TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

December 30, 2010

TestAmerica Project Number: G0L170472
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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TestAmerica West Sacramento Project Number G0L170472

Case Narrative

TestAmerica West Sacramento Project Number G0L170472

AIR, TO-13, Semivolatile Organics
Sample(s): 7, 11, 14, 16
The pre-spiked surrogate recoveries are 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, 6, 8, 10, 13, 17
Several analytes in the above samples have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

There were no other anomalies associated with this project.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ACCREDITED IN ACCORDANCE WITH nelac

TestAmerica Laboratories West Sacramento Certifications/Accreditations

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

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

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

TestAmerica West Sacramento Project Number G0L170472

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
MCG61	1	UW-12132010B	12/13/2010 05:34 PM	12/17/2010 09:05 AM
MCG64	2	UW-12132010B	12/13/2010 05:34 PM	12/17/2010 09:05 AM
MCG65	3	UW-12132010B	12/13/2010 05:34 PM	12/17/2010 09:05 AM
MCG7A	4	DW-12132010B	12/13/2010 06:11 PM	12/17/2010 09:05 AM
MCG7E	5	DW-12132010B	12/13/2010 06:11 PM	12/17/2010 09:05 AM
MCG7G	6	DW-12132010B	12/13/2010 06:11 PM	12/17/2010 09:05 AM
MCG7J	7	UW-12142010B	12/14/2010 05:20 PM	12/17/2010 09:05 AM
MCG7N	8	UW-12142010B	12/14/2010 05:20 PM	12/17/2010 09:05 AM
MCG7R	9	UW-12142010B	12/14/2010 05:20 PM	12/17/2010 09:05 AM
MCG7W	10	DW-12142010B	12/14/2010 05:56 PM	12/17/2010 09:05 AM
MCG74	11	DW-12142010B	12/14/2010 05:56 PM	12/17/2010 09:05 AM
MCG75	12	DW-12142010B	12/14/2010 05:56 PM	12/17/2010 09:05 AM
MCG77	13	UW-12152010B	12/15/2010 02:08 PM	12/17/2010 09:05 AM
MCG8A	14	UW-12152010B	12/15/2010 02:09 PM	12/17/2010 09:05 AM
MCG8C	15	UW-12152010B	12/15/2010 02:12 PM	12/17/2010 09:05 AM
MCG8G	16	DW-12152010B	12/15/2010 01:48 PM	12/17/2010 09:05 AM
MCG8K	17	DW-12152010B	12/15/2010 01:47 PM	12/17/2010 09:05 AM
MCG8M	18	DW-12152010B	12/15/2010 01:50 PM	12/17/2010 09:05 AM

Notes(s):

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

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

COC # 2027.07.0023

Total # of Samples: 18 Event Complete?

Required Ship to Lab:		Required Project Information:		Required Invoice Information:	
Lab Name:	Test America Laboratories Inc	Site ID #:102	TRONOX LLC. HENDERSON	Send Invoice to:	Susan Crowley Tronox LLC.
Address:	880 Riverside Parkway	Project #	2027.07	Address:	PO Box 55
	West Sacramento, CA 95605	Site Address	560 W Lake Mead Pkwy	City/State:	Henderson, NV 89009 Phone #: (949) 260-9293
Lab PM:	David Alltucker	City	Henderson State, Zip NV, 89015	PO #	
Phone/FaH:	(916) 373-5600	Site PM Name	Ted Splitter	Send EDD to	Frank.Hagar@ngem.com
Lab PM email	David.Alltucker@testamericainc.com	Phone/FaH:	(510) 435-4609	CC Hardcopy report to	PDF Electronic Version Only -- FTP Upload
Applicable Lab Quote #:		Site PM Email:	Ted.Splitter@ngem.com	CC Hardcopy report to	See Additional Comments Below

Regular							Rush	5 day	Mark One

ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE	SAMPLE LOCATION	MATRIX CODE	G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D. Volume (m^3)	TO-9A/Dioxins, Furans	TO-13A/8270C/HCB	TSP	6020/As&Mn/CPM8
	UW-12132010B		AA			12/13/2010	5:34 PM	1	420.34		X		
	UW-12132010B		AA			12/13/2010	5:34 PM	1	410.49				
	UW-12132010B		AA			12/13/2010	5:34 PM	1	636.81			X	X
	DW-12132010B		AA			12/13/2010	6:11 PM	1	480.06		X		
	DW-12132010B		AA			12/13/2010	6:11 PM	1	737.48			X	X
	DW-12132010B		AA			12/13/2010	6:11 PM	1	504.17	X			
	UW-12142010B		AA			12/14/2010	5:20 PM	1	407.13		X		
	UW-12142010B		AA			12/14/2010	5:20 PM	1	477.79	X			
	UW-12142010B		AA			12/14/2010	5:20 PM	1	747.84			X	X
	DW-12142010B		AA			12/14/2010	5:56 PM	1	536.1	X			
	DW-12142010B		AA			12/14/2010	5:56 PM	1	529.58		X		
	DW-12142010B		AA			12/14/2010	5:56 PM	1	773.38			X	X
	UW-12152010B		AA			12/15/2010	2:08 PM	1	406.19	X			
	UW-12152010B		AA			12/15/2010	2:09 PM	1	400.78		X		
	UW-12152010B		AA			12/15/2010	2:12 PM	1	622.91			X	X
	DW-12152010B		AA			12/15/2010	1:48 PM	1	358.73		X		
	DW-12152010B		AA			12/15/2010	1:47 PM	1	372.35	X			
	DW-12152010B		AA			12/15/2010	1:50 PM	1	543.67			X	X

Additional Comments/Special Instructions:
3-5 DAY TURN AROUND

Ronda S. Bailey 12/16/10
Ronda S. Bailey 12-16-10 1700 Changed - TALUS 12/17/10 0920

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

PRINT Name of SAMPLER: Ronda Bailey
SIGNATURE of SAMPLER: Ronda Bailey DATE Signed 12-16-10 Time: 1700

TestAmerica

411111 THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT Northgate PM DA LOG # 68611

LOT# (QUANTIMS ID) GOL170472 QUOTE# 84187 LOCATION W14D AC

Checked (✓)

DATE RECEIVED 12/17/10 TIME RECEIVED 0905 ☒

DELIVERED BY ☒ FEDEX ☐ ON TRAC ☐ CLIENT

☐ GOLDENSTATE ☐ UPS ☐ GO-GETTERS ☐ OTHER

☐ TAL COURIER ☐ TAL SF ☐ VALLEY LOGISTICS ☒

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☐ N/A ☒

CUSTODY SEAL #(S) _____

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

COC #(S) See Multi Cooler Checklist ☒

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)

Observed: _____ Average _____ Corrected Average _____

LABORATORY THERMOMETER ID:

IR UNIT: #4 ☐ #5 ☐ ☐ OTHER _____ ☒

CV 12/17/10

Initials Date

---

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A ☒

LABELED BY..... ☒

LABELS CHECKED BY..... ☒

PEER REVIEW _____ ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☒

WETCHEM ☒ N/A ☒

VOA-ENCORES ☒ N/A ☒

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

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

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

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

CV 12/17/10

Initials Date

Notes _____

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

MULTI COOLER RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT: Tronox / Northgate LOT# (QUANTIMS ID): G0L170472

Checked (✓)

COOLER ID 1 ☑
CUSTODY SEAL STATUS ☑ INTACT ☐ BROKEN ☐ N/A ☑
CUSTODY SEAL #(S) NA ☑
COC #(S) 2027.07.0023
SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑
TEMPERATURE BLANK: OBSERVED: NA CORRECTED ☑
SAMPLE TEMPERATURE:
OBSERVED: 2 AVERAGE: 2 CORRECTED 2 ☑
SAMPLES / TESTS (IF NCM REQUIRED): ☑

LABORATORY THERMOMETER ID:
IR UNIT: #4☑ # 5☐ ☐ OTHER ☑ 12/17/10

==========

COOLER ID 2 ☑
CUSTODY SEAL STATUS ☑ INTACT ☐ BROKEN ☐ N/A ☑
CUSTODY SEAL #(S) NA ☑
COC #(S) 2027.07.0023
TEMPERATURE BLANK: OBSERVED: NA CORRECTED ☑
SAMPLE TEMPERATURE:
OBSERVED: 3 AVERAGE: 3 CORRECTED 3 ☑
SAMPLES / TESTS (IF NCM REQUIRED): ☑

LABORATORY THERMOMETER ID:
IR UNIT: #4☑ #5☐ ☐ OTHER ☑ 12/17/10

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COOLER ID ☐
CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☐ N/A ☐
CUSTODY SEAL #(S) ☐
COC #(S) 12/17/10
TEMPERATURE BLANK: OBSERVED: CORRECTED ☐
SAMPLE TEMPERATURE:
OBSERVED: AVERAGE: CORRECTED ☐
SAMPLES / TESTS (IF NCM REQUIRED): ☐

LABORATORY THERMOMETER ID:
IR UNIT: #4☐ #5☐ ☐ OTHER ☐

Initials Date

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G0L170472

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

h = hydrochloric acid **s** = sulfuric acid **na** = sodium hydroxide **n** = nitric acid **zn** = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

AIR, TO-13, Semivolatile Organics

Northgate Environmental Management, Inc.

Sample ID: UW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 001	**Work Order #....:**	MCG611AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/20/10	**Volume....:**	420.34
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	60	60 - 120
2-Fluorobiphenyl	83	58 - 105
2-Fluorophenol	75	41 - 105
Nitrobenzene-d5	78	46 - 118
Phenol-d5	84	43 - 122
Terphenyl-d14	82	69 - 110
2,4,6-Tribromophenol	91	61 - 118

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 004	**Work Order #....:**	MCG7A1AA	**Matrix.....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date.....:	12/17/10	**Analysis Date....:**	12/20/10	**Volume....:**	480.06
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	**0.0032**	**J**	**0.021**	**0.0027**	**ug/m3**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	62	60 - 120
2-Fluorobiphenyl	78	58 - 105
2-Fluorophenol	69	41 - 105
Nitrobenzene-d5	73	46 - 118
Phenol-d5	78	43 - 122
Terphenyl-d14	71	69 - 110
2,4,6-Tribromophenol	79	61 - 118

QUALIFIERS

J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 007	**Work Order #....:**	MCG7J1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	407.13
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.025	0.0032	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	57	*	60 - 120
2-Fluorobiphenyl	82		58 - 105
2-Fluorophenol	68		41 - 105
Nitrobenzene-d5	76		46 - 118
Phenol-d5	79		43 - 122
Terphenyl-d14	77		69 - 110
2,4,6-Tribromophenol	85		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 011	**Work Order #....:**	MCG741AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	529.58
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	**0.0031**	**J**	**0.019**	**0.0025**	**ug/m3**

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	44	*	60 - 120
2-Fluorobiphenyl	67		58 - 105
2-Fluorophenol	60		41 - 105
Nitrobenzene-d5	61		46 - 118
Phenol-d5	69		43 - 122
Terphenyl-d14	77		69 - 110
2,4,6-Tribromophenol	81		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

J Estimated Result.

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 014	**Work Order #....:**	MCG8A1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	400.78
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.025	0.0032	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	58	*	60 - 120
2-Fluorobiphenyl	82		58 - 105
2-Fluorophenol	71		41 - 105
Nitrobenzene-d5	75		46 - 118
Phenol-d5	81		43 - 122
Terphenyl-d14	83		69 - 110
2,4,6-Tribromophenol	90		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 016	**Work Order #....:**	MCG8G1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	358.73
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Hexachlorobenzene	ND	0.028	0.0036	ug/m3

SURROGATE	PERCENT RECOVERY		RECOVERY LIMITS
1,2-Dichlorobenzene-d4	54	*	60 - 120
2-Fluorobiphenyl	77		58 - 105
2-Fluorophenol	63		41 - 105
Nitrobenzene-d5	68		46 - 118
Phenol-d5	74		43 - 122
Terphenyl-d14	79		69 - 110
2,4,6-Tribromophenol	92		61 - 118

QUALIFIERS

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

G0L170472

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-13		0351383	
002	AA	EPA-2 TO-9		0351382	
003	AA	SW846 6020		0355365	
004	AA	EPA-2 TO-13		0351383	
005	AA	SW846 6020		0355365	
006	AA	EPA-2 TO-9		0351382	
007	AA	EPA-2 TO-13		0351383	
008	AA	EPA-2 TO-9		0351382	
009	AA	SW846 6020		0355365	
010	AA	EPA-2 TO-9		0351382	
011	AA	EPA-2 TO-13		0351383	
012	AA	SW846 6020		0355365	
013	AA	EPA-2 TO-9		0351382	
014	AA	EPA-2 TO-13		0351383	
015	AA	SW846 6020		0355365	
016	AA	EPA-2 TO-13		0351383	
017	AA	EPA-2 TO-9		0351382	
018	AA	SW846 6020		0355365	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L170000 - 383B	**Work Order #....:**	MCJNQ1AA	**Matrix....:**	AIR
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/20/10	**Volume....:**	0
Prep Batch # ....:	0351383	**Instrument ID....:**	5MH	**Method....:**	EPA-2 TO-13
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Kenny Q. Truong		

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichlorobenzene-d4	62	60 - 120
2-Fluorobiphenyl	78	58 - 105
2-Fluorophenol	62	41 - 105
Nitrobenzene-d5	67	46 - 118
Phenol-d5	69	43 - 122
Terphenyl-d14	74	69 - 110
2,4,6-Tribromophenol	80	61 - 118

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L170472	**Work Order # ...:**	MCJNQ1AC-LCS MCJNQ1AD-LCSD	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L170000 - 383				
Prep Date .....:	12/17/10	**Analysis Date ..:**	12/20/10		
Prep Batch # ...:	0351383				
Dilution Factor :	1				
Analyst ID.....:	Kenny Q. Truong	**Instrument ID..:**	5MH	**Method.....:**	EPA-2 TO-13
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Hexachlorobenzene	**100**	**81.1**	**ug**	**81**	**(70 - 110)**		
	100	**84.5**	**ug**	**84**	**(70 - 110)**	**4.1**	**(0 - 30)**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorobiphenyl	82	(58 - 105)
	75	(58 - 105)
2-Fluorophenol	71	(41 - 105)
	62	(41 - 105)
Nitrobenzene-d5	70	(46 - 118)
	66	(46 - 118)
Phenol-d5	77	(43 - 122)
	66	(43 - 122)
Terphenyl-d14	81	(69 - 110)
	74	(69 - 110)
2,4,6-Tribromophenol	92	(61 - 118)
	85	(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-12132010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 002	**Work Order #....:**	MCG641AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	410.49
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	ND		20		0
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	**1.4**	**J**	**100**	**0.1**	**0.00034**
1,2,3,7,8,9-HxCDD	**1.5**	**J B**	**100**	**0.1**	**0.00037**
Total HxCDD	**6.2**		**100**		
1,2,3,4,6,7,8-HpCDD	**7.0**	**J B**	**100**	**0.01**	**0.00017**
Total HpCDD	**15**		**100**		
OCDD	**30**	**J B**	**200**	**0.0003**	**0.000022**
2,3,7,8-TCDF	**6.9**	**J**	**20**	**0.1**	**0.0017**
Total TCDF	**33**		**20**		
1,2,3,7,8-PeCDF	**5.0**	**J**	**100**	**0.03**	**0.00037**
2,3,4,7,8-PeCDF	**2.8**	**J Q**	**100**	**0.3**	**0.0020**
Total PeCDF	**30**		**100**		
1,2,3,4,7,8-HxCDF	**9.4**	**J**	**100**	**0.1**	**0.0023**
1,2,3,6,7,8-HxCDF	**5.7**	**J Q**	**100**	**0.1**	**0.0014**
2,3,4,6,7,8-HxCDF	**2.1**	**J**	**100**	**0.1**	**0.00051**
1,2,3,7,8,9-HxCDF	**1.2**	**J Q**	**100**	**0.1**	**0.00029**
Total HxCDF	**41**		**100**		
1,2,3,4,6,7,8-HpCDF	**25**	**J B**	**100**	**0.01**	**0.00061**
1,2,3,4,7,8,9-HpCDF	**7.9**	**J**	**100**	**0.01**	**0.00019**
Total HpCDF	**47**		**100**		
OCDF	**61**	**J**	**200**	**0.0003**	**0.000045**
Total TEQ Concentration					**0.010**

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Northgate Environmental Management, Inc.

Sample ID: UW-12132010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 002	**Work Order #....:**	MCG641AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	410.49
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	95	50 - 120
13C-1,2,3,4,7,8-HxCDF	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: UW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 002	**Work Order #....:**	MCG641AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	410.49
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.049	0.0019	pg/m3
Total TCDD	ND		0.049	0.0019	pg/m3
1,2,3,7,8-PeCDD	ND		0.24	0.0029	pg/m3
Total PeCDD	ND		0.24	0.0029	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.24	0.0018	pg/m3
1,2,3,6,7,8-HxCDD	**0.0033**	**J**	**0.24**	**0.0015**	**pg/m3**
1,2,3,7,8,9-HxCDD	**0.0037**	**J B**	**0.24**	**0.0015**	**pg/m3**
Total HxCDD	**0.015**		**0.24**	**0.0015**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.017**	**J B**	**0.24**	**0.0019**	**pg/m3**
Total HpCDD	**0.036**		**0.24**	**0.0019**	**pg/m3**
OCDD	**0.072**	**J B**	**0.49**	**0.0024**	**pg/m3**
2,3,7,8-TCDF	**0.017**	**J**	**0.049**	**0.0014**	**pg/m3**
Total TCDF	**0.081**		**0.049**	**0.0014**	**pg/m3**
1,2,3,7,8-PeCDF	**0.012**	**J**	**0.24**	**0.0019**	**pg/m3**
2,3,4,7,8-PeCDF	**0.0069**	**J Q**	**0.24**	**0.0020**	**pg/m3**
Total PeCDF	**0.073**		**0.24**	**0.0020**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.023**	**J**	**0.24**	**0.0021**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.014**	**J Q**	**0.24**	**0.0019**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0052**	**J**	**0.24**	**0.0021**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0030**	**J Q**	**0.24**	**0.0024**	**pg/m3**
Total HxCDF	**0.099**		**0.24**	**0.0021**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.062**	**J B**	**0.24**	**0.0020**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.019**	**J**	**0.24**	**0.0024**	**pg/m3**
Total HpCDF	**0.11**		**0.24**	**0.0022**	**pg/m3**
OCDF	**0.15**	**J**	**0.49**	**0.0039**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	93	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	100	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	95	50 - 120
13C-1,2,3,4,7,8-HxCDF	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: UW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 002	**Work Order #....:**	MCG641AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	410.49
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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-12132010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 006	**Work Order #....:**	MCG7G1AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	504.17
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**3.3**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	**4.5**		**100**		
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	**3.8**		**100**		
1,2,3,4,6,7,8-HpCDD	**4.1**	**J B**	**100**	**0.01**	**0.000081**
Total HpCDD	**9.3**		**100**		
OCDD	**16**	**J B**	**200**	**0.0003**	**0.0000095**
2,3,7,8-TCDF	**12**	**J**	**20**	**0.1**	**0.0024**
Total TCDF	**79**		**20**		
1,2,3,7,8-PeCDF	**5.8**	**J**	**100**	**0.03**	**0.00035**
2,3,4,7,8-PeCDF	**4.0**	**J**	**100**	**0.3**	**0.0024**
Total PeCDF	**46**		**100**		
1,2,3,4,7,8-HxCDF	**11**	**J**	**100**	**0.1**	**0.0022**
1,2,3,6,7,8-HxCDF	**7.2**	**J**	**100**	**0.1**	**0.0014**
2,3,4,6,7,8-HxCDF	**1.7**	**J Q**	**100**	**0.1**	**0.00034**
1,2,3,7,8,9-HxCDF	ND		100	0.1	0
Total HxCDF	**48**		**100**		
1,2,3,4,6,7,8-HpCDF	**24**	**J Q B**	**100**	**0.01**	**0.00048**
1,2,3,4,7,8,9-HpCDF	**7.1**	**J**	**100**	**0.01**	**0.00014**
Total HpCDF	**43**		**100**		
OCDF	**53**	**J**	**200**	**0.0003**	**0.000032**
Total TEQ Concentration					**0.0098**

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 006	**Work Order #....:**	MCG7G1AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	504.17
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	107	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 006	**Work Order #....:**	MCG7G1AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	504.17
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.040	0.0014	pg/m3
Total TCDD	**0.0064**		**0.040**	**0.0014**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.20	0.0026	pg/m3
Total PeCDD	**0.0089**		**0.20**	**0.0026**	**pg/m3**
1,2,3,4,7,8-HxCDD	ND		0.20	0.0014	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.20	0.0015	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.20	0.0012	pg/m3
Total HxCDD	**0.0075**		**0.20**	**0.0012**	**pg/m3**
1,2,3,4,6,7,8-HpCDD	**0.0081**	**J B**	**0.20**	**0.0018**	**pg/m3**
Total HpCDD	**0.018**		**0.20**	**0.0018**	**pg/m3**
OCDD	**0.033**	**J B**	**0.40**	**0.0026**	**pg/m3**
2,3,7,8-TCDF	**0.024**	**J**	**0.040**	**0.00091**	**pg/m3**
Total TCDF	**0.16**		**0.040**	**0.00091**	**pg/m3**
1,2,3,7,8-PeCDF	**0.011**	**J**	**0.20**	**0.0022**	**pg/m3**
2,3,4,7,8-PeCDF	**0.0079**	**J**	**0.20**	**0.0022**	**pg/m3**
Total PeCDF	**0.092**		**0.20**	**0.0022**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.022**	**J**	**0.20**	**0.0019**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.014**	**J**	**0.20**	**0.0017**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0033**	**J Q**	**0.20**	**0.0019**	**pg/m3**
1,2,3,7,8,9-HxCDF	ND		0.20	0.0022	pg/m3
Total HxCDF	**0.096**		**0.20**	**0.0019**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.047**	**J Q B**	**0.20**	**0.0015**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.014**	**J**	**0.20**	**0.0018**	**pg/m3**
Total HpCDF	**0.085**		**0.20**	**0.0016**	**pg/m3**
OCDF	**0.11**	**J**	**0.40**	**0.0032**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	107	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	87	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 006	**Work Order #....:**	MCG7G1AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	504.17
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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-12142010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 008	**Work Order #....:**	MCG7N1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	477.79
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	1.4	J Q	20	1.0	0.0029
Total TCDD	15		20		
1,2,3,7,8-PeCDD	2.7	J	100	1.0	0.0057
Total PeCDD	14		100		
1,2,3,4,7,8-HxCDD	2.3	J	100	0.1	0.00048
1,2,3,6,7,8-HxCDD	2.6	J Q	100	0.1	0.00054
1,2,3,7,8,9-HxCDD	4.9	J B	100	0.1	0.0010
Total HxCDD	19		100		
1,2,3,4,6,7,8-HpCDD	14	J B	100	0.01	0.00029
Total HpCDD	27		100		
OCDD	130	J B	200	0.0003	0.000082
2,3,7,8-TCDF	9.0	J	20	0.1	0.0019
Total TCDF	61		20		
1,2,3,7,8-PeCDF	6.9	J	100	0.03	0.00043
2,3,4,7,8-PeCDF	4.5	J Q	100	0.3	0.0028
Total PeCDF	56		100		
1,2,3,4,7,8-HxCDF	12	J	100	0.1	0.0025
1,2,3,6,7,8-HxCDF	8.4	J	100	0.1	0.0018
2,3,4,6,7,8-HxCDF	3.7	J	100	0.1	0.00077
1,2,3,7,8,9-HxCDF	2.4	J Q	100	0.1	0.00050
Total HxCDF	60		100		
1,2,3,4,6,7,8-HpCDF	39	J B	100	0.01	0.00082
1,2,3,4,7,8,9-HpCDF	13	J	100	0.01	0.00027
Total HpCDF	73		100		
OCDF	110	J	200	0.0003	0.000069
Total TEQ Concentration					0.023

Northgate Environmental Management, Inc.

Sample ID: UW-12142010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 008	**Work Order #....:**	MCG7N1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	477.79
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	94	50 - 120
13C-1,2,3,7,8-PeCDD	97	50 - 120
13C-1,2,3,6,7,8-HxCDD	107	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 120
13C-OCDD	103	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	96	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	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-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 008	**Work Order #....:**	MCG7N1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	477.79
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	0.0030	J Q	0.042	0.0017	pg/m3
Total TCDD	0.032		0.042	0.0017	pg/m3
1,2,3,7,8-PeCDD	0.0057	J	0.21	0.0031	pg/m3
Total PeCDD	0.030		0.21	0.0031	pg/m3
1,2,3,4,7,8-HxCDD	0.0049	J	0.21	0.0018	pg/m3
1,2,3,6,7,8-HxCDD	0.0054	J Q	0.21	0.0016	pg/m3
1,2,3,7,8,9-HxCDD	0.010	J B	0.21	0.0016	pg/m3
Total HxCDD	0.040		0.21	0.0017	pg/m3
1,2,3,4,6,7,8-HpCDD	0.029	J B	0.21	0.0019	pg/m3
Total HpCDD	0.056		0.21	0.0019	pg/m3
OCDD	0.26	J B	0.42	0.0042	pg/m3
2,3,7,8-TCDF	0.019	J	0.042	0.0012	pg/m3
Total TCDF	0.13		0.042	0.0012	pg/m3
1,2,3,7,8-PeCDF	0.014	J	0.21	0.0023	pg/m3
2,3,4,7,8-PeCDF	0.0094	J Q	0.21	0.0023	pg/m3
Total PeCDF	0.12		0.21	0.0023	pg/m3
1,2,3,4,7,8-HxCDF	0.024	J	0.21	0.0017	pg/m3
1,2,3,6,7,8-HxCDF	0.018	J	0.21	0.0015	pg/m3
2,3,4,6,7,8-HxCDF	0.0077	J	0.21	0.0017	pg/m3
1,2,3,7,8,9-HxCDF	0.0049	J Q	0.21	0.0019	pg/m3
Total HxCDF	0.13		0.21	0.0017	pg/m3
1,2,3,4,6,7,8-HpCDF	0.082	J B	0.21	0.0017	pg/m3
1,2,3,4,7,8,9-HpCDF	0.026	J	0.21	0.0019	pg/m3
Total HpCDF	0.15		0.21	0.0018	pg/m3
OCDF	0.24	J	0.42	0.0031	pg/m3

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	94	50 - 120
13C-1,2,3,7,8-PeCDD	97	50 - 120
13C-1,2,3,6,7,8-HxCDD	107	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 120
13C-OCDD	103	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	96	50 - 120
13C-1,2,3,4,7,8-HxCDF	97	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: UW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 008	**Work Order #....:**	MCG7N1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	477.79
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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-12142010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 010	**Work Order #....:**	MCG7W1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	536.1
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**5.0**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**5.8**	**J B**	**100**	**0.01**	**0.00011**
Total HpCDD	**12**		**100**		
OCDD	**16**	**J B**	**200**	**0.0003**	**0.0000090**
2,3,7,8-TCDF	**12**	**J**	**20**	**0.1**	**0.0022**
Total TCDF	**84**		**20**		
1,2,3,7,8-PeCDF	**7.5**	**J**	**100**	**0.03**	**0.00042**
2,3,4,7,8-PeCDF	**4.2**	**J**	**100**	**0.3**	**0.0024**
Total PeCDF	**58**		**100**		
1,2,3,4,7,8-HxCDF	**11**	**J**	**100**	**0.1**	**0.0021**
1,2,3,6,7,8-HxCDF	**9.7**	**J**	**100**	**0.1**	**0.0018**
2,3,4,6,7,8-HxCDF	**2.0**	**J Q**	**100**	**0.1**	**0.00037**
1,2,3,7,8,9-HxCDF	**1.4**	**J**	**100**	**0.1**	**0.00026**
Total HxCDF	**61**		**100**		
1,2,3,4,6,7,8-HpCDF	**35**	**J B**	**100**	**0.01**	**0.00065**
1,2,3,4,7,8,9-HpCDF	**11**	**J**	**100**	**0.01**	**0.00021**
Total HpCDF	**65**		**100**		
OCDF	**83**	**J**	**200**	**0.0003**	**0.000046**
Total TEQ Concentration					**0.011**

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Northgate Environmental Management, Inc.

Sample ID: DW-12142010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 010	**Work Order #....:**	MCG7W1AA	**Matrix.....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	536.1
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	95	50 - 120
13C-1,2,3,4,7,8-HxCDF	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	89	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	111	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-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 010	**Work Order #....:**	MCG7W1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	536.1
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.037	0.0013	pg/m3
Total TCDD	**0.0093**		**0.037**	**0.0013**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.19	0.0022	pg/m3
Total PeCDD	ND		0.19	0.0048	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.19	0.0012	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.19	0.0013	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.19	0.0011	pg/m3
Total HxCDD	ND		0.19	0.0021	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.011**	**J B**	**0.19**	**0.0022**	**pg/m3**
Total HpCDD	**0.023**		**0.19**	**0.0022**	**pg/m3**
OCDD	**0.029**	**J B**	**0.37**	**0.0022**	**pg/m3**
2,3,7,8-TCDF	**0.022**	**J**	**0.037**	**0.00090**	**pg/m3**
Total TCDF	**0.16**		**0.037**	**0.00090**	**pg/m3**
1,2,3,7,8-PeCDF	**0.014**	**J**	**0.19**	**0.0015**	**pg/m3**
2,3,4,7,8-PeCDF	**0.0078**	**J**	**0.19**	**0.0015**	**pg/m3**
Total PeCDF	**0.11**		**0.19**	**0.0015**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.021**	**J**	**0.19**	**0.0018**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.018**	**J**	**0.19**	**0.0016**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0037**	**J Q**	**0.19**	**0.0018**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0026**	**J**	**0.19**	**0.0021**	**pg/m3**
Total HxCDF	**0.11**		**0.19**	**0.0018**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.066**	**J B**	**0.19**	**0.0013**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.021**	**J**	**0.19**	**0.0015**	**pg/m3**
Total HpCDF	**0.12**		**0.19**	**0.0014**	**pg/m3**
OCDF	**0.16**	**J**	**0.37**	**0.0039**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	50 - 120
13C-1,2,3,7,8-PeCDD	95	50 - 120
13C-1,2,3,6,7,8-HxCDD	110	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	89	40 - 120
13C-OCDD	93	40 - 120
13C-2,3,7,8-TCDF	90	50 - 120
13C-1,2,3,7,8-PeCDF	95	50 - 120
13C-1,2,3,4,7,8-HxCDF	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	89	40 - 120

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
37Cl4-2,3,7,8-TCDD	111	50 - 120

Northgate Environmental Management, Inc.

Sample ID: DW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 010	**Work Order #....:**	MCG7W1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	536.1
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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-12152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 013	**Work Order #....:**	MCG771AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	406.19
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**1.7**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**3.1**	**J Q B**	**100**	**0.01**	**0.000076**
Total HpCDD	**8.2**		**100**		
OCDD	**14**	**J B**	**200**	**0.0003**	**0.000010**
2,3,7,8-TCDF	**4.0**	**J**	**20**	**0.1**	**0.00098**
Total TCDF	**19**		**20**		
1,2,3,7,8-PeCDF	**2.9**	**J**	**100**	**0.03**	**0.00021**
2,3,4,7,8-PeCDF	ND		100	0.3	0
Total PeCDF	**12**		**100**		
1,2,3,4,7,8-HxCDF	**4.9**	**J**	**100**	**0.1**	**0.0012**
1,2,3,6,7,8-HxCDF	**3.6**	**J Q**	**100**	**0.1**	**0.00089**
2,3,4,6,7,8-HxCDF	ND		100	0.1	0
1,2,3,7,8,9-HxCDF	ND		100	0.1	0
Total HxCDF	**16**		**100**		
1,2,3,4,6,7,8-HpCDF	**13**	**J Q B**	**100**	**0.01**	**0.00032**
1,2,3,4,7,8,9-HpCDF	**4.6**	**J**	**100**	**0.01**	**0.00011**
Total HpCDF	**23**		**100**		
OCDF	**27**	**J**	**200**	**0.0003**	**0.000020**
Total TEQ Concentration					**0.0038**

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 013	**Work Order #....:**	MCG771AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	406.19
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	105	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	96	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 120

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

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

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

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

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 013	**Work Order #....:**	MCG771AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	406.19
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.049	0.0015	pg/m3
Total TCDD	**0.0041**		**0.049**	**0.0015**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.25	0.0034	pg/m3
Total PeCDD	ND		0.25	0.0034	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.25	0.0019	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.25	0.0017	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.25	0.0017	pg/m3
Total HxCDD	ND		0.25	0.0019	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.0076**	**J Q B**	**0.25**	**0.0025**	**pg/m3**
Total HpCDD	**0.020**		**0.25**	**0.0025**	**pg/m3**
OCDD	**0.035**	**J B**	**0.49**	**0.0037**	**pg/m3**
2,3,7,8-TCDF	**0.0099**	**J**	**0.049**	**0.0016**	**pg/m3**
Total TCDF	**0.047**		**0.049**	**0.0016**	**pg/m3**
1,2,3,7,8-PeCDF	**0.0072**	**J**	**0.25**	**0.0018**	**pg/m3**
2,3,4,7,8-PeCDF	ND		0.25	0.0019	pg/m3
Total PeCDF	**0.030**		**0.25**	**0.0019**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.012**	**J**	**0.25**	**0.0018**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.0089**	**J Q**	**0.25**	**0.0016**	**pg/m3**
2,3,4,6,7,8-HxCDF	ND		0.25	0.0017	pg/m3
1,2,3,7,8,9-HxCDF	ND		0.25	0.0020	pg/m3
Total HxCDF	**0.039**		**0.25**	**0.0017**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.031**	**J Q B**	**0.25**	**0.0021**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.011**	**J**	**0.25**	**0.0024**	**pg/m3**
Total HpCDF	**0.057**		**0.25**	**0.0022**	**pg/m3**
OCDF	**0.066**	**J**	**0.49**	**0.0032**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	95	50 - 120
13C-1,2,3,7,8-PeCDD	92	50 - 120
13C-1,2,3,6,7,8-HxCDD	105	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	92	40 - 120
13C-OCDD	96	40 - 120
13C-2,3,7,8-TCDF	89	50 - 120
13C-1,2,3,7,8-PeCDF	93	50 - 120
13C-1,2,3,4,7,8-HxCDF	90	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 013	**Work Order #....:**	MCG771AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	406.19
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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-12152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 017	**Work Order #....:**	MCG8K1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	372.35
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		20	1.0	0
Total TCDD	**3.3**		**20**		
1,2,3,7,8-PeCDD	ND		100	1.0	0
Total PeCDD	ND		100		0
1,2,3,4,7,8-HxCDD	ND		100	0.1	0
1,2,3,6,7,8-HxCDD	ND		100	0.1	0
1,2,3,7,8,9-HxCDD	ND		100	0.1	0
Total HxCDD	ND		100		0
1,2,3,4,6,7,8-HpCDD	**4.6**	**J B**	**100**	**0.01**	**0.00012**
Total HpCDD	**10**		**100**		
OCDD	**20**	**J B**	**200**	**0.0003**	**0.000016**
2,3,7,8-TCDF	**8.5**	**J**	**20**	**0.1**	**0.0023**
Total TCDF	**53**		**20**		
1,2,3,7,8-PeCDF	**6.1**	**J**	**100**	**0.03**	**0.00049**
2,3,4,7,8-PeCDF	**4.1**	**J**	**100**	**0.3**	**0.0033**
Total PeCDF	**48**		**100**		
1,2,3,4,7,8-HxCDF	**12**	**J**	**100**	**0.1**	**0.0032**
1,2,3,6,7,8-HxCDF	**7.4**	**J Q**	**100**	**0.1**	**0.0020**
2,3,4,6,7,8-HxCDF	**2.3**	**J Q**	**100**	**0.1**	**0.00062**
1,2,3,7,8,9-HxCDF	**1.6**	**J**	**100**	**0.1**	**0.00043**
Total HxCDF	**51**		**100**		
1,2,3,4,6,7,8-HpCDF	**26**	**J Q B**	**100**	**0.01**	**0.00070**
1,2,3,4,7,8,9-HpCDF	**10**	**J**	**100**	**0.01**	**0.00027**
Total HpCDF	**52**		**100**		
OCDF	**66**	**J**	**200**	**0.0003**	**0.000053**
Total TEQ Concentration					**0.013**

Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Organic Compounds

EPA-2 TO-9

Lot - Sample #....:	G0L170472 - 017	**Work Order #....:**	MCG8K1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Instrument ID....:**	3D5
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	372.35
Prep Batch # ....:	0351382	**Dilution Factor....:**	1	**Units.....:**	pg/m3
Initial Wgt/Vol :	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	50 - 120
13C-1,2,3,7,8-PeCDD	74	50 - 120
13C-1,2,3,6,7,8-HxCDD	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	69	40 - 120
13C-OCDD	71	40 - 120
13C-2,3,7,8-TCDF	70	50 - 120
13C-1,2,3,7,8-PeCDF	73	50 - 120
13C-1,2,3,4,7,8-HxCDF	69	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	72	40 - 120

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

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

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

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

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Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 017	**Work Order #....:**	MCG8K1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	372.35
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		0.054	0.0018	pg/m3
Total TCDD	**0.0089**		**0.054**	**0.0018**	**pg/m3**
1,2,3,7,8-PeCDD	ND		0.27	0.0054	pg/m3
Total PeCDD	ND		0.27	0.0054	pg/m3
1,2,3,4,7,8-HxCDD	ND		0.27	0.0026	pg/m3
1,2,3,6,7,8-HxCDD	ND		0.27	0.0024	pg/m3
1,2,3,7,8,9-HxCDD	ND		0.27	0.0024	pg/m3
Total HxCDD	ND		0.27	0.0035	pg/m3
1,2,3,4,6,7,8-HpCDD	**0.012**	**J B**	**0.27**	**0.0038**	**pg/m3**
Total HpCDD	**0.028**		**0.27**	**0.0038**	**pg/m3**
OCDD	**0.053**	**J B**	**0.54**	**0.0048**	**pg/m3**
2,3,7,8-TCDF	**0.023**	**J**	**0.054**	**0.0021**	**pg/m3**
Total TCDF	**0.14**		**0.054**	**0.0021**	**pg/m3**
1,2,3,7,8-PeCDF	**0.016**	**J**	**0.27**	**0.0035**	**pg/m3**
2,3,4,7,8-PeCDF	**0.011**	**J**	**0.27**	**0.0038**	**pg/m3**
Total PeCDF	**0.13**		**0.27**	**0.0038**	**pg/m3**
1,2,3,4,7,8-HxCDF	**0.032**	**J**	**0.27**	**0.0032**	**pg/m3**
1,2,3,6,7,8-HxCDF	**0.020**	**J Q**	**0.27**	**0.0027**	**pg/m3**
2,3,4,6,7,8-HxCDF	**0.0063**	**J Q**	**0.27**	**0.0030**	**pg/m3**
1,2,3,7,8,9-HxCDF	**0.0042**	**J**	**0.27**	**0.0035**	**pg/m3**
Total HxCDF	**0.14**		**0.27**	**0.0030**	**pg/m3**
1,2,3,4,6,7,8-HpCDF	**0.071**	**J Q B**	**0.27**	**0.0030**	**pg/m3**
1,2,3,4,7,8,9-HpCDF	**0.027**	**J**	**0.27**	**0.0035**	**pg/m3**
Total HpCDF	**0.14**		**0.27**	**0.0032**	**pg/m3**
OCDF	**0.18**	**J**	**0.54**	**0.0051**	**pg/m3**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	50 - 120
13C-1,2,3,7,8-PeCDD	74	50 - 120
13C-1,2,3,6,7,8-HxCDD	86	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	69	40 - 120
13C-OCDD	71	40 - 120
13C-2,3,7,8-TCDF	70	50 - 120
13C-1,2,3,7,8-PeCDF	73	50 - 120
13C-1,2,3,4,7,8-HxCDF	69	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	72	40 - 120

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

Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 017	**Work Order #....:**	MCG8K1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	372.35
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

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

G0L170472

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AA	EPA-2 TO-13		0351383	
002	AA	EPA-2 TO-9		0351382	
003	AA	SW846 6020		0355365	
004	AA	EPA-2 TO-13		0351383	
005	AA	SW846 6020		0355365	
006	AA	EPA-2 TO-9		0351382	
007	AA	EPA-2 TO-13		0351383	
008	AA	EPA-2 TO-9		0351382	
009	AA	SW846 6020		0355365	
010	AA	EPA-2 TO-9		0351382	
011	AA	EPA-2 TO-13		0351383	
012	AA	SW846 6020		0355365	
013	AA	EPA-2 TO-9		0351382	
014	AA	EPA-2 TO-13		0351383	
015	AA	SW846 6020		0355365	
016	AA	EPA-2 TO-13		0351383	
017	AA	EPA-2 TO-9		0351382	
018	AA	SW846 6020		0355365	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L170000 - 382B	**Work Order #....:**	MCJNK1AA	**Matrix....:**	AIR
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	0
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

PARAMETER	RESULT		REPORTING LIMIT	DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		20	0.65	pg
Total TCDD	**2.1**		**20**	**0.65**	**pg**
1,2,3,7,8-PeCDD	ND		100	0.92	pg
Total PeCDD	ND		100	0.92	pg
1,2,3,4,7,8-HxCDD	ND		100	0.48	pg
1,2,3,6,7,8-HxCDD	ND		100	0.45	pg
1,2,3,7,8,9-HxCDD	**1.5**	**J Q**	**100**	**0.45**	**pg**
Total HxCDD	**1.5**		**100**	**0.46**	**pg**
1,2,3,4,6,7,8-HpCDD	**1.4**	**J Q**	**100**	**0.57**	**pg**
Total HpCDD	**4.8**		**100**	**0.57**	**pg**
OCDD	**4.4**	**J Q**	**200**	**0.65**	**pg**
2,3,7,8-TCDF	ND		20	0.35	pg
Total TCDF	**0.81**		**20**	**0.35**	**pg**
1,2,3,7,8-PeCDF	ND		100	0.56	pg
2,3,4,7,8-PeCDF	ND		100	0.59	pg
Total PeCDF	ND		100	0.59	pg
1,2,3,4,7,8-HxCDF	ND		100	0.40	pg
1,2,3,6,7,8-HxCDF	ND		100	0.35	pg
2,3,4,6,7,8-HxCDF	ND		100	0.40	pg
1,2,3,7,8,9-HxCDF	ND		100	0.45	pg
Total HxCDF	ND		100	0.45	pg
1,2,3,4,6,7,8-HpCDF	**1.7**	**J Q**	**100**	**0.37**	**pg**
1,2,3,4,7,8,9-HpCDF	ND		100	0.43	pg
Total HpCDF	**1.7**		**100**	**0.40**	**pg**
OCDF	ND		200	0.85	pg

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	96	50 - 120
13C-1,2,3,7,8-PeCDD	101	50 - 120
13C-1,2,3,6,7,8-HxCDD	101	50 - 120
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 120
13C-OCDD	89	40 - 120
13C-2,3,7,8-TCDF	94	50 - 120
13C-1,2,3,7,8-PeCDF	100	50 - 120
13C-1,2,3,4,7,8-HxCDF	92	50 - 120
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 120

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

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L170000 - 382B	**Work Order #....:**	MCJNK1AA	**Matrix....:**	AIR
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/17/10	**Analysis Date....:**	12/21/10	**Volume....:**	0
Prep Batch # ....:	0351382	**Instrument ID....:**	3D5	**Method....:**	EPA-2 TO-9
Initial Wgt/Vol....:	1 Sample	**Analyst ID....:**	Grandfield S. Virginia		

QUALIFIERS

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L170472	**Work Order # ...:**	MCJNK1AC-LCS MCJNK1AD-LCSD	**Matrix ....:**	AIR
LCS Lot-Sample# :	G0L170000 - 382				
Prep Date ......:	12/17/10	**Analysis Date ..:**	12/21/10		
Prep Batch # ...:	0351382				
Dilution Factor :	1				
Analyst ID.....:	Grandfield S. Virginia	**Instrument ID..:**	3D5	**Method.....:**	EPA-2 TO-9
Initial Wgt/Vol:	1 Sample				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
2,3,7,8-TCDD	**400**	**456**	**pg**	**114**	**(70 - 130)**		
	400	**448**	**pg**	**112**	**(70 - 130)**	**1.7**	**(0 - 30)**
1,2,3,7,8-PeCDD	**2000**	**2280**	**pg**	**114**	**(70 - 130)**		
	2000	**2220**	**pg**	**111**	**(70 - 130)**	**2.5**	**(0 - 30)**
1,2,3,4,7,8-HxCDD	**2000**	**1730**	**pg**	**86**	**(70 - 130)**		
	2000	**1880**	**pg**	**94**	**(70 - 130)**	**8.4**	**(0 - 30)**
1,2,3,6,7,8-HxCDD	**2000**	**2090**	**pg**	**104**	**(70 - 130)**		
	2000	**2210**	**pg**	**110**	**(70 - 130)**	**5.7**	**(0 - 30)**
1,2,3,7,8,9-HxCDD	**2000**	**1850**	**pg**	**92**	**(70 - 130)**		
	2000	**2080**	**pg**	**104**	**(70 - 130)**	**12**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDD	**2000**	**2260**	**pg**	**113**	**(70 - 130)**		
	2000	**2270**	**pg**	**113**	**(70 - 130)**	**0.36**	**(0 - 30)**
OCDD	**4000**	**4480**	**pg**	**112**	**(70 - 130)**		
	4000	**4370**	**pg**	**109**	**(70 - 130)**	**2.4**	**(0 - 30)**
2,3,7,8-TCDF	**400**	**426**	**pg**	**107**	**(70 - 130)**		
	400	**435**	**pg**	**109**	**(70 - 130)**	**2.1**	**(0 - 30)**
1,2,3,7,8-PeCDF	**2000**	**2210**	**pg**	**111**	**(70 - 130)**		
	2000	**2230**	**pg**	**111**	**(70 - 130)**	**0.84**	**(0 - 30)**
2,3,4,7,8-PeCDF	**2000**	**2190**	**pg**	**110**	**(70 - 130)**		
	2000	**2170**	**pg**	**109**	**(70 - 130)**	**0.78**	**(0 - 30)**
1,2,3,4,7,8-HxCDF	**2000**	**2120**	**pg**	**106**	**(70 - 130)**		
	2000	**2090**	**pg**	**105**	**(70 - 130)**	**1.2**	**(0 - 30)**
1,2,3,6,7,8-HxCDF	**2000**	**2180**	**pg**	**109**	**(70 - 130)**		
	2000	**2130**	**pg**	**106**	**(70 - 130)**	**2.4**	**(0 - 30)**
2,3,4,6,7,8-HxCDF	**2000**	**2220**	**pg**	**111**	**(70 - 130)**		
	2000	**2200**	**pg**	**110**	**(70 - 130)**	**1.1**	**(0 - 30)**
1,2,3,7,8,9-HxCDF	**2000**	**2210**	**pg**	**111**	**(70 - 130)**		
	2000	**2190**	**pg**	**109**	**(70 - 130)**	**1.2**	**(0 - 30)**
1,2,3,4,6,7,8-HpCDF	**2000**	**2270**	**pg**	**113**	**(70 - 130)**		
	2000	**2250**	**pg**	**113**	**(70 - 130)**	**0.59**	**(0 - 30)**
1,2,3,4,7,8,9-HpCDF	**2000**	**2220**	**pg**	**111**	**(70 - 130)**		
	2000	**2170**	**pg**	**108**	**(70 - 130)**	**2.5**	**(0 - 30)**
OCDF	**4000**	**4410**	**pg**	**110**	**(70 - 130)**		
	4000	**4270**	**pg**	**107**	**(70 - 130)**	**3.1**	**(0 - 30)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	91	(50 - 120)
	93	(50 - 120)
13C-1,2,3,7,8-PeCDD	95	(50 - 120)
	98	(50 - 120)
13C-1,2,3,6,7,8-HxCDD	109	(50 - 120)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...: G0L170472 **Work Order # ...:** MCJNK1AC-LCS **Matrix .....:** AIR
LCS Lot-Sample# : G0L170000 - 382 MCJNK1AD-LCSD

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
	103	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 120)
	88	(40 - 120)
13C-OCDD	92	(40 - 120)
	95	(40 - 120)
13C-2,3,7,8-TCDF	90	(50 - 120)
	91	(50 - 120)
13C-1,2,3,7,8-PeCDF	95	(50 - 120)
	96	(50 - 120)
13C-1,2,3,4,7,8-HxCDF	86	(50 - 120)
	89	(50 - 120)
13C-1,2,3,4,6,7,8-HpCDF	91	(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-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 003	**Work Order #....:**	MCG651AC	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	636.81
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0038	0.00077	ug/m3
Manganese	**2.00**	**0.00188**	**0.000267**	**ug/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 005	**Work Order #....:**	MCG7E1AC	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	737.48
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0033	0.00066	ug/m3
Manganese	**0.572**	**0.00163**	**0.000231**	**ug/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 009	**Work Order #....:**	MCG7R1AC	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	747.84
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0032	0.00066	ug/m3
Manganese	**1.35**	**0.00160**	**0.000227**	**ug/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 012	**Work Order #....:**	MCG751AC	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	773.38
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0031	0.00063	ug/m3
Manganese	**0.388**	**0.00155**	**0.000220**	**ug/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 015	**Work Order #....:**	MCG8C1AC	**Matrix.....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date.....:**	12/22/10	**Volume....:**	622.91
Prep Batch # ....:	0355365	**Instrument ID.....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0039	0.00079	ug/m3
Manganese	**0.373**	**0.00193**	**0.000273**	**ug/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 018	**Work Order #....:**	MCG8M1AC	**Matrix.....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	543.67
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Arsenic	ND	0.0044	0.00090	ug/m3
Manganese	**0.0609**	**0.00221**	**0.000313**	**ug/m3**

QUALIFIERS

QC DATA ASSOCIATION SUMMARY

G0L170472

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	AA	SW846 6020		0355365	
005	AA	SW846 6020		0355365	
009	AA	SW846 6020		0355365	
012	AA	SW846 6020		0355365	
015	AA	SW846 6020		0355365	
018	AA	SW846 6020		0355365	

Method Blank Report

Trace Level Compounds

Lot - Sample #....:	G0L210000 - 365B	**Work Order #....:**	MCM2E1AA	**Matrix....:**	AIR
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/21/10	**Analysis Date....:**	12/22/10	**Volume....:**	0
Prep Batch # ....:	0355365	**Instrument ID....:**	M01	**Method....:**	SW846 6020
Initial Wgt/Vol....:	0.08333 L	**Analyst ID....:**	Sabine Hargrave		

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

QUALIFIERS

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Compounds

Client Lot # ...:	G0L170472	**Work Order # ...:**	MCM2E1AD-LCS	**Matrix .....:**	AIR
LCS Lot-Sample# :	G0L210000 - 365		MCM2E1AE-LCSD		
Prep Date .....:	12/21/10	**Analysis Date ..:**	12/22/10		
Prep Batch # ...:	0355365				
Dilution Factor :	1				
Analyst ID.....:	Sabine Hargrave	**Instrument ID..:**	M01	**Method.....:**	SW846 6020
Initial Wgt/Vol:	0.08333 L				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Arsenic	**240**	**232**	**ug**	**97**	**(86 - 110)**		
	240	**230**	**ug**	**96**	**(86 - 110)**	**0.87**	**(0 - 15)**
Manganese	**240**	**246**	**ug**	**102**	**(88 - 110)**		
	240	**242**	**ug**	**101**	**(88 - 110)**	**1.5**	**(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-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 003	**Work Order #....:**	MCG651AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	636.81
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:	0	**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000561**	**0.000000785**	**--**	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12132010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 005	**Work Order #....:**	MCG7E1AA	**Matrix....:**	AA
Date Sampled....:	12/13/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	737.48
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000506**	**0.000000678**	**--**	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 009	**Work Order #....:**	MCG7R1AA	**Matrix....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	747.84
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000707**	**0.000000669**	--	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12142010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 012	**Work Order #....:**	MCG751AA	**Matrix.....:**	AA
Date Sampled....:	12/14/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	773.38
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000641**	**0.000000647**	**--**	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: UW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 015	**Work Order #....:**	MCG8C1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	622.91
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000385**	**0.000000803**	**--**	**g/m3**

QUALIFIERS

Northgate Environmental Management, Inc.

Sample ID: DW-12152010B

Trace Level Compounds

Lot - Sample #....:	G0L170472 - 018	**Work Order #....:**	MCG8M1AA	**Matrix....:**	AA
Date Sampled....:	12/15/10	**Date Received....:**	12/17/10	**Dilution Factor....:**	1
Prep Date....:	12/20/10	**Analysis Date....:**	12/21/10	**Volume....:**	543.67
Prep Batch # ....:	0362378	**Instrument ID....:**	NO INST	**Method....:**	CFR50B APDX B
Initial Wgt/Vol....:		**Analyst ID....:**	erica X. larson		

PARAMETER	RESULT	REPORTING LIMIT	DETECTION LIMIT	UNITS
Total Suspended Particulates	**0.0000406**	**0.000000920**	**--**	**g/m3**

QUALIFIERS

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

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 : 122010A.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
20-DEC-2010	11:08	KT	DFTPP 50ug/ml	DFT1220.D	NA	NA	NA		
20-DEC-2010	11:54	KT	HSL_005 ug/ml CS-1	HSL1220A.	NA	NA	NA		
20-DEC-2010	12:20	KT	HSL_010 ug/ml CS-2	HSL1220B.	NA	NA	NA		
20-DEC-2010	12:45	KT	HSL_020 ug/ml CS-3	HSL1220C.	NA	NA	NA		
20-DEC-2010	13:17	KT	HSL_050 ug/ml CS-4	HSL1220DR	NA	NA	NA		
20-DEC-2010	13:43	KT	HSL_080 ug/ml CS-5	HSL1220E.	NA	NA	NA		
20-DEC-2010	14:08	KT	HSL_120 ug/ml CS-6	HSL1220F.	NA	NA	NA		
20-DEC-2010	14:34	KT	HSL_160 ug/ml CS-7	HSL1220G.	NA	NA	NA		
20-DEC-2010	15:00	KT	HSL_050 ug/ml ICV	HSL1220H.	NA	NA	NA		
20-DEC-2010	15:25	KT	Benzidines ICV 50ug/mL	HSL1220I.	NA	NA	NA		
20-DEC-2010	15:55	KT	AP9_005 ug/ml CS-1	AP91220A.	NA	NA	NA		
20-DEC-2010	16:20	KT	AP9_010 ug/ml CS-2	AP91220B.	NA	NA	NA		
20-DEC-2010	16:46	KT	AP9_020 ug/ml CS-3	AP91220C.	NA	NA	NA		
-DEC-2010	17:11	KT	AP9_050 ug/ml CS-4	AP91220D.	NA	NA	NA		
-DEC-2010	17:37	KT	AP9_080 ug/ml CS-5	AP91220E.	NA	NA	NA		
20-DEC-2010	18:02	KT	AP9_120 ug/ml CS-6	AP91220F.	NA	NA	NA		
20-DEC-2010	18:28	KT	AP9_160 ug/ml CS-7	AP91220G.	NA	NA	NA		
20-DEC-2010	18:54	KT	2010 Q4 AQ LOD/LOQ-MB	S122001.D	1000 mL	1 mL	1	QL	not used
20-DEC-2010	19:19	KT	2010 Q4 AQ LOD-1	S122002.D	1000 mL	1 mL	1	QL	
20-DEC-2010	19:45	KT	2010 Q4 AQ LOD-2	S122003.D	1000 mL	1 mL	1	QL	
20-DEC-2010	20:10	KT	2010 Q4 AQ LOQ-1	S122004.D	1000 mL	1 mL	1	QL	
20-DEC-2010	20:36	KT	2010 Q4 AQ LOQ-2	S122005.D	1000 mL	1 mL	1	QL	
20-DEC-2010	21:01	KT	2010 Q4 AQ LOQ-3	S122006.D	1000 mL	1 mL	1	QL	
20-DEC-2010	21:25	KT	DFTPP 50ug/ml	DFT1220A.	NA	NA	NA		
20-DEC-2010	21:46	KT	HSL_050 ug/ml CS-4	HSL1220J.	NA	NA	NA		
20-DEC-2010	22:11	KT	MCJNQ1QAA G0L170000-383B	S122007.D	1000 Sa	1 mL	1	JZ	
20-DEC-2010	22:37	KT	MCJNQ1QAC G0L170000-383C	S122008.D	1000 Sa	1 mL	1	JZ	
20-DEC-2010	23:02	KT	MCJNQ1QAD G0L170000-383L	S122009.D	1000 Sa	1 mL	1	JZ	I.S
20-DEC-2010	23:28	KT	MCG611AA G0L170472-1	S122010.D	1000 Sa	1 mL	1	JZ	
20-DEC-2010	23:54	KT	MCG7A1AA G0L170472-4	S122011.D	1000 Sa	1 mL	1	JZ	
21-DEC-2010	00:19	KT	MCG7J1AA G0L170472-7	S122012.D	1000 Sa	1 mL	1	JZ	low surr.
21-DEC-2010	00:45	KT	MCG741AA G0L170472-11	S122013.D	1000 Sa	1 mL	1	JZ	low surr
21-DEC-2010	01:10	KT	MCG8A1AA G0L170472-14	S122014.D	1000 Sa	1 mL	1	JZ	low surr.
21-DEC-2010	01:36	KT	MCG8G1AA G0L170472-16	S122015.D	1000 Sa	1 mL	1	JZ	low surr.
21-DEC-2010	02:01	KT	MCGX71AA G0L170000-199B	S122016.D	1000 mL	1 mL	1	QL	
21-DEC-2010	02:27	KT	MCGX71AC G0L170000-199C	S122017.D	1000 mL	1 mL	1	QL	
21-DEC-2010	02:52	KT	MCGX71AD G0L170000-199L	S122018.D	1000 mL	1 mL	1	QL	
21-DEC-2010	03:18	KT	MA8DW1CA G0L110442-1	S122019.D	1056.13 mL	1 mL	1	QL	
21-DEC-2010	03:43	KT	MA8CJ1AC G0L110435-1	S122020.D	1059.6 mL	1 mL	1	QL	
21-DEC-2010	04:09	KT	MA8CK1AC G0L110435-2	S122021.D	1063.16 mL	1 mL	1	QL	
21-DEC-2010	04:34	KT	MAEPQ1AD G0L150581-6	S122022.D	1066.06 mL	1 mL	1	QL	
-DEC-2010	05:00	KT	MAEPR1AD G0L150581-7	S122023.D	1063.81 mL	1 mL	1	QL	
-DEC-2010	05:25	KT	MCEPW1AD G0L150582-1	S122024.D	902.46 mL	1 mL	1	QL	

Sequence continued on next page

12/23/10

p. # 13

Test America West Sacramento
GC/MS INSTRUMENT LOG

Page 2 of Batch sv5.i on Instrument 122010A.B
For header information, refer to the first page of this batch.

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
21-DEC-2010	05:51	KT	MCFA51AA G0L160000-210B	S122025.D	30 g	1 mL	1	QL	
21-DEC-2010	06:17	KT	MCFA51AC G0L160000-210C	S122026.D	30 g	1 mL	1	QL	
21-DEC-2010	06:42	KT	MCATM1AA G0L140478-1	S122027.D	30.02 g	1 mL	1	QL	
21-DEC-2010	07:08	KT	MCAVG1AF G0L140478-3	S122028.D	29.97 g	1 mL	1	QL	
21-DEC-2010	07:33	KT	MCAVL1AF G0L140478-5	S122029.D	30.44 g	1 mL	1	QL	
21-DEC-2010	07:58	KT	MCAVX1AF G0L140478-7	S122030.D	29.99 g	1 mL	1	QL	
21-DEC-2010	08:24	KT	MCAVX1CM G0L140478-7S	S122031.D	29.98 g	1 mL	1	QL	low %R Conf.
21-DEC-2010	08:49	KT	MCAVX1CN G0L140478-7D	S122032.D	29.9 g	1 mL	1	QL	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5_____

ICAL Date: 12/20/10_____ DFTPP ID: DFT1220A

Initiator/Date: KT-12/22/10_____ Standard ID: HSL1220J

Reviewer/Date: RJ 12/22/10 NCM #: _____

I: 8270C Criteria

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

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

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

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

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

IV: AFCEE 3.1 and 4.0 QAPP Criteria

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

V: DOD QSM V3 Criteria

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

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 20-DEC-2010 21:46
Lab File ID: HSL1220J.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 18:28
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\122010A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.54282	1.56230	1.56230	0.010	1.26311	50.00000	Averaged
$ 8 Phenol-d5	1.96555	1.95403	1.95403	0.010	-0.58585	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.67694	1.66547	1.66547	0.010	-0.68409	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97393	0.97537	0.97537	0.010	0.14749	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.36435	0.35735	0.35735	0.010	-1.91918	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.24982	1.16534	1.16534	0.010	-6.75967	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15406	0.14109	0.14109	0.010	-8.42082	50.00000	Averaged
$ 14 Terphenyl-d14	0.82205	0.77626	0.77626	0.010	-5.57027	50.00000	Averaged
15 N-Nitrosodimethylamine	1.12338	1.18068	1.10068	0.010	-2.02078	50.00000	Averaged
16 Pyridine	1.82311	1.65903	1.65903	0.010	-8.99982	50.00000	Averaged
23 Aniline	2.60540	2.55994	2.55994	0.010	-1.74480	50.00000	Averaged
24 Phenol	2.06659	2.06262	2.06262	0.010	-0.19223	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.70932	1.68181	1.68181	0.010	-1.60949	50.00000	Averaged
27 2-Chlorophenol	1.60056	1.59154	1.59154	0.010	-0.56302	50.00000	Averaged
28 1,3-Dichlorobenzene	1.72139	1.70782	1.70782	0.010	-0.78850	50.00000	Averaged
29 1,4-Dichlorobenzene	1.77216	1.75788	1.75788	0.010	-0.80593	20.00000	Averaged
30 Benzyl Alcohol	1.13046	1.14649	1.14649	0.010	1.41798	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66375	1.64802	1.64802	0.010	-0.94554	50.00000	Averaged
32 2-Methylphenol	1.54339	1.49450	1.49450	0.010	-3.16749	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	3.31239	3.24059	3.24059	0.010	-2.16777	50.00000	Averaged
34 4-Methylphenol	1.61569	1.57741	1.57741	0.010	-2.36922	50.00000	Averaged
36 Hexachloroethane	0.71159	0.72528	0.72528	0.010	1.92410	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.31482	1.27805	1.27805	0.050	-2.79712	50.00000	Averaged
42 Nitrobenzene	0.38619	0.36665	0.36665	0.010	-5.05760	50.00000	Averaged
44 Isophorone	0.70530	0.68999	0.68999	0.010	-2.17040	50.00000	Averaged
45 2-Nitrophenol	0.16608	0.16796	0.16796	0.010	1.13150	20.00000	Averaged
46 2,4-Dimethyphenol	0.36665	0.37095	0.37095	0.010	1.17206	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.44103	0.42768	0.42768	0.010	-3.02513	50.00000	Averaged
49 2,4-Dichlorophenol	0.26358	0.26614	0.26614	0.010	0.97017	20.00000	Averaged
50 Benzoic Acid	50.00000	49.31012	0.14145	0.010	-1.37977	0.000e+000	Quadratic
51 1,2,4-Trichlorobenzene	0.30149	0.29050	0.29050	0.010	-3.64573	50.00000	Averaged
52 Naphthalene	1.10059	1.05499	1.05499	0.010	-4.14328	50.00000	Averaged
54 4-Chloroaniline	0.43747	0.42962	0.42962	0.010	-1.79519	50.00000	Averaged
57 Hexachlorobutadiene	0.15165	0.14496	0.14496	0.010	-4.41400	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30682	0.30290	0.30290	0.010	-1.27649	20.00000	Averaged
63 2-Methylnaphthalene	0.66816	0.64025	0.64025	0.010	-4.17599	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29552	0.29182	0.29182	0.050	-1.25226	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.28929	0.28154	0.28154	0.010	-2.67908	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32366	0.31538	0.31538	0.010	-2.56064	50.00000	Averaged
71 2-Chloronaphthalene	1.14210	1.09123	1.09123	0.010	-4.45363	50.00000	Averaged
73 2-Nitroaniline	0.39764	0.40001	0.40001	0.010	0.59554	50.00000	Averaged
76 Dimethylphthalate	1.32813	1.27625	1.27625	0.010	-3.90577	50.00000	Averaged

Manual calculation for N-Nitrosodimethylamine:

$\frac{131072}{95266} \times \frac{40}{50} = 1.10068$ RY 12/22/10

RY 12/22/10

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 20-DEC-2010 21:46
Lab File ID: HSL1220J.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 18:28
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\122010A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.84415	1.76983	1.76983	0.010	-4.02981	50.00000	Averaged
79 2,6-Dinitrotoluene	0.26964	0.27651	0.27651	0.010	2.54752	50.00000	Averaged
80 3-Nitroaniline	0.33567	0.33616	0.33616	0.010	0.14715	50.00000	Averaged
81 Acenaphthene	1.24366	1.20866	1.20866	0.010	-2.81446	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	47.93881	0.08446	0.050	-4.12237	0.000e+000	Quadratic
83 Dibenzofuran	1.59847	1.53567	1.53567	0.010	-3.92860	50.00000	Averaged
84 4-Nitrophenol	0.15401	0.15090	0.15090	0.050	-2.01947	50.00000	Averaged
86 2,4-Dinitrotoluene	50.00000	48.41830	0.33138	0.010	-3.16340	0.000e+000	Quadratic
91 Fluorene	1.32629	1.28910	1.28910	0.010	-2.80419	50.00000	Averaged
92 Diethylphthalate	1.32280	1.26003	1.26003	0.010	-4.74545	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.58441	0.57058	0.57058	0.010	-2.36712	50.00000	Averaged
94 4-Nitroaniline	0.32079	0.32326	0.32326	0.010	0.77218	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	47.20797	0.08505	0.010	-5.58406	0.000e+000	Quadratic
98 N-Nitrosodiphenylamine	0.59011	0.59576	0.59576	0.010	0.95703	20.00000	Averaged
100 Azobenzene	0.99390	0.98732	0.98732	0.010	-0.66205	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.20707	0.21572	0.21572	0.010	4.17622	50.00000	Averaged
108 Hexachlorobenzene	0.23363	0.22922	0.22922	0.010	-1.88584	50.00000	Averaged
110 Pentachlorophenol	0.10414	0.11121	0.11121	0.010	6.78850	20.00000	Averaged
114 Phenanthrene	1.23355	1.22104	1.22104	0.010	-1.01443	50.00000	Averaged
115 Anthracene	1.23023	1.25382	1.25382	0.010	1.91707	50.00000	Averaged
118 Carbazole	1.13713	1.13349	1.13349	0.010	-0.32038	50.00000	Averaged
120 Di-n-Butylphthalate	1.38425	1.37842	1.37842	0.010	-0.42106	50.00000	Averaged
126 Fluoranthene	1.15570	1.16314	1.16314	0.010	0.64406	20.00000	Averaged
127 Benzidine	0.77141	0.70040	0.70040	0.010	-9.20528	50.00000	Averaged
128 Pyrene	1.35569	1.31493	1.31493	0.010	-3.00623	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71294	0.69329	0.69329	0.010	-2.75742	50.00000	Averaged
136 Butylbenzylphthalate	0.61981	0.61407	0.61407	0.010	-0.92622	50.00000	Averaged
138 Benzo(a)Anthracene	1.07296	1.05711	1.05711	0.010	-1.47666	50.00000	Averaged
139 Chrysene	1.09212	1.08431	1.08431	0.010	-0.71560	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40603	0.41851	0.41851	0.010	3.07477	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86864	0.85575	0.85575	0.010	-1.48451	50.00000	Averaged
142 Di-n-octylphthalate	1.35263	1.30812	1.30812	0.010	-3.29111	20.00000	Averaged
144 Benzo(b)fluoranthene	1.07188	0.96805	0.96805	0.010	-9.68659	50.00000	Averaged
145 Benzo(k)fluoranthene	1.20746	1.29990	1.29990	0.010	7.65618	50.00000	Averaged
147 Benzo(e)pyrene	1.03521	1.03468	1.03468	0.010	-0.05140	50.00000	Averaged
148 Benzo(a)pyrene	1.10378	1.09165	1.09165	0.010	-1.09879	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.90971	0.84689	0.84689	0.010	-6.90506	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.97939	0.98047	0.98047	0.010	0.10999	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.01801	1.01974	1.01974	0.010	0.17002	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.27933	2.26795	2.26795	0.010	-0.49941	50.00000	Averaged

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220J.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 21:46
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\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	95266	40.0000	
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	433988	40.0000	
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	238199	40.0000	
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	357039	40.0000	
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	345137	40.0000	
*	6 Perylene-d12	264	16.733	16.733	(1.000)	320619	40.0000	
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	186043	50.0000	50.63
$	8 Phenol-d5	99	3.945	3.945	(0.914)	232691	50.0000	49.71
$	9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	198328	50.0000	49.66
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	116149	50.0000	50.07
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	193859	50.0000	49.04
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	346978	50.0000	46.62
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	42008	50.0000	45.79
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	334895	50.0000	47.21
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	131072	50.0000	48.99(M)
	16 Pyridine	79	2.090	2.090	(0.484)	197562	50.0000	45.50
	23 Aniline	93	4.018	4.018	(0.930)	304844	50.0000	49.13
	24 Phenol	94	3.966	3.966	(0.918)	245622	50.0000	49.90
	26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	200274	50.0000	49.20
	27 2-Chlorophenol	128	4.132	4.132	(0.957)	189525	50.0000	49.72
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	203371	50.0000	49.60
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	209333	50.0000	49.60
	30 Benzyl Alcohol	108	4.474	4.474	(1.036)	136527	50.0000	50.71
	31 1,2-Dichlorobenzene	146	4.536	4.536	(1.050)	196250	50.0000	49.53
	32 2-Methylphenol	108	4.598	4.598	(1.065)	177969	50.0000	48.42
	33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	385897	50.0000	48.92
	34 4-Methylphenol	108	4.764	4.764	(1.103)	187842	50.0000	48.82
	36 Hexachloroethane	117	4.878	4.878	(1.130)	86368	50.0000	50.96
	37 N-Nitrosodinpropylamine	70	4.806	4.806	(1.113)	152193	50.0000	48.60
	42 Nitrobenzene	77	4.971	4.971	(0.865)	198904	50.0000	47.47
	44 Isophorone	82	5.230	5.230	(0.910)	374308	50.0000	48.91
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	91114	50.0000	50.56
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	201234	50.0000	50.59

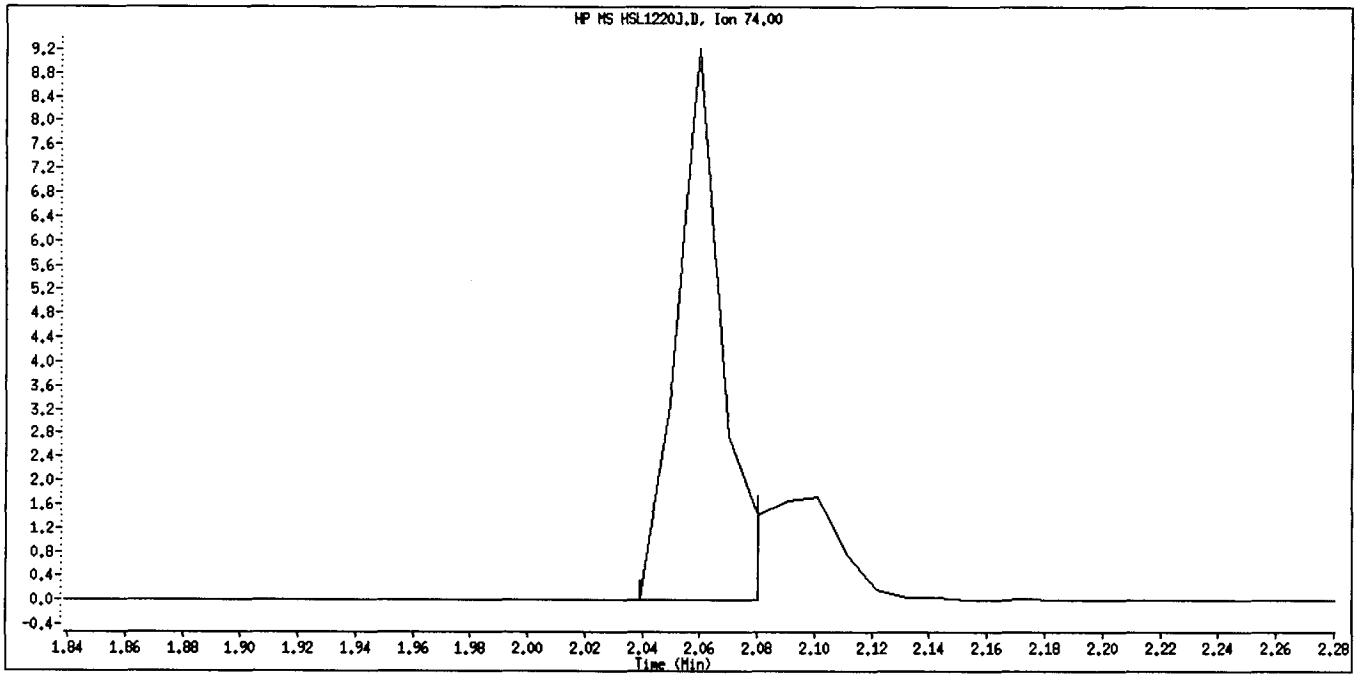
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	232012	50.0000	48.49
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	144375	50.0000	50.48
50 Benzoic Acid	122	5.438	5.438	(0.946)	76732	50.0000	49.31
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	157590	50.0000	48.18
52 Naphthalene	128	5.769	5.769	(1.004)	572317	50.0000	47.93
54 4-Chloroaniline	127	5.852	5.852	(1.018)	233060	50.0000	49.10
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	78639	50.0000	47.79
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	164319	50.0000	49.36
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	347328	50.0000	47.91
66 Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	86888	50.0000	49.37
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	83829	50.0000	48.66
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	93903	50.0000	48.72
71 2-Chloronaphthalene	162	7.158	7.158	(0.910)	324913	50.0000	47.77
73 2-Nitroaniline	65	7.324	7.324	(0.931)	119102	50.0000	50.30
76 Dimethylphthalate	163	7.593	7.593	(0.966)	380003	50.0000	48.05
77 Acenaphthylene	152	7.676	7.676	(0.976)	526965	50.0000	47.98
79 2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	82331	50.0000	51.27
80 3-Nitroaniline	138	7.832	7.832	(0.996)	100092	50.0000	50.07
81 Acenaphthene	153	7.904	7.904	(1.005)	359877	50.0000	48.59
82 2,4-Dinitrophenol	184	7.956	7.956	(1.012)	25148	50.0000	47.94
83 Dibenzofuran	168	8.101	8.101	(1.030)	457244	50.0000	48.04
84 4-Nitrophenol	109	8.028	8.028	(1.021)	44929	50.0000	48.99
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	98667	50.0000	48.42
91 Fluorene	166	8.557	8.557	(1.088)	383828	50.0000	48.60
92 Diethylphthalate	149	8.505	8.505	(1.082)	375172	50.0000	47.63
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	169888	50.0000	48.82
94 4-Nitroaniline	138	8.629	8.629	(1.098)	96251	50.0000	50.39
97 4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	37959	50.0000	47.21
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	311619	58.6000	59.16
100 Azobenzene	77	8.775	8.775	(0.889)	440639	50.0000	49.67
101 4-Bromophenyl-phenylether	248	9.231	9.231	(0.935)	96275	50.0000	52.09
108 Hexachlorobenzene	284	9.438	9.438	(0.956)	102302	50.0000	49.06
110 Pentachlorophenol	266	9.697	9.697	(0.982)	49632	50.0000	53.39
114 Phenanthrene	178	9.904	9.904	(1.003)	544947	50.0000	49.49
115 Anthracene	178	9.977	9.977	(1.010)	559578	50.0000	50.96
118 Carbazole	167	10.236	10.236	(1.037)	505875	50.0000	49.84
120 Di-n-Butylphthalate	149	10.930	10.930	(1.107)	615189	50.0000	49.79
126 Fluoranthene	202	11.811	11.811	(1.196)	519110	50.0000	50.32
127 Benzidine	184	12.080	12.080	(0.843)	302168	50.0000	45.40
128 Pyrene	202	12.184	12.184	(0.850)	567290	50.0000	48.50
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	299098	50.0000	48.62
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	264924	50.0000	49.54
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	456061	50.0000	49.26
139 Chrysene	228	14.371	14.371	(1.003)	467794	50.0000	49.64
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	180556	50.0000	51.54
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	369188	50.0000	49.26
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	564349	50.0000	48.35
144 Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	387968	50.0000	45.16
145 Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	520966	50.0000	53.83
147 Benzo(e)pyrene	252	16.568	16.568	(0.990)	414671	50.0000	49.97
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	437505	50.0000	49.45
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	339412	50.0000	46.55
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	392945	50.0000	50.05
153 Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	408686	50.0000	50.08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				908934	50.0000	

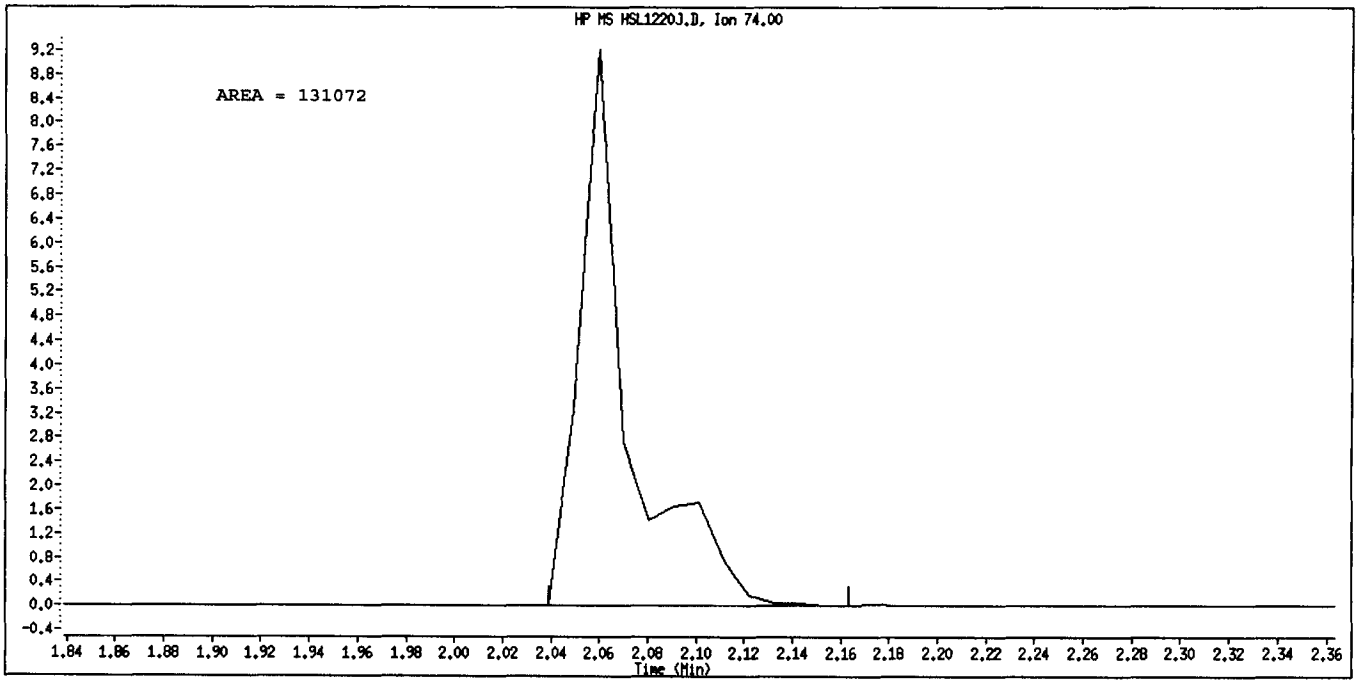
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL1220J.D
Inj. Date and Time: 20-DEC-2010 21:46
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 12/21/2010



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\122010A.B\HSL1220J.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 21:46
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\122010A.B\8270f.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	95266	40.0000	
* 2 Naphthalene-d8	136	5.749	5.749	(1.000)	433988	40.0000	
* 3 Acenaphthene-d10	164	7.863	7.863	(1.000)	238199	40.0000	
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	357039	40.0000	
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	345137	40.0000	
* 6 Perylene-d12	264	16.733	16.733	(1.000)	320619	40.0000	
$ 7 2-Fluorophenol	112	3.085	3.085	(0.714)	186043	50.0000	50.63
$ 8 Phenol-d5	99	3.945	3.945	(0.914)	232691	50.0000	49.71
$ 9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	198328	50.0000	49.66
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	116149	50.0000	50.07
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	193859	50.0000	49.04
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	346978	50.0000	46.62
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	42008	50.0000	45.79
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	334895	50.0000	47.21
15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	99184	50.0000	37.07
16 Pyridine	79	2.090	2.090	(0.484)	197562	50.0000	45.50
23 Aniline	93	4.018	4.018	(0.930)	304844	50.0000	49.13
24 Phenol	94	3.966	3.966	(0.918)	245622	50.0000	49.90
26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	200274	50.0000	49.20
27 2-Chlorophenol	128	4.132	4.132	(0.957)	189525	50.0000	49.72
28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	203371	50.0000	49.60
29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	209333	50.0000	49.60
30 Benzyl Alcohol	108	4.474	4.474	(1.036)	136527	50.0000	50.71
31 1,2-Dichlorobenzene	146	4.536	4.536	(1.050)	196250	50.0000	49.53
32 2-Methylphenol	108	4.598	4.598	(1.065)	177969	50.0000	48.42
33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	385897	50.0000	48.92
34 4-Methylphenol	108	4.764	4.764	(1.103)	187842	50.0000	48.82
36 Hexachloroethane	117	4.878	4.878	(1.130)	86368	50.0000	50.96
37 N-Nitrosodinpropylamine	70	4.806	4.806	(1.113)	152193	50.0000	48.60
42 Nitrobenzene	77	4.971	4.971	(0.865)	198904	50.0000	47.47
44 Isophorone	82	5.230	5.230	(0.910)	374308	50.0000	48.91
45 2-Nitrophenol	139	5.334	5.334	(0.928)	91114	50.0000	50.56
46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	201234	50.0000	50.59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	232012	50.0000	48.49
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	144375	50.0000	50.48
50	Benzoic Acid	122	5.438	5.438	(0.946)	76732	50.0000	49.31
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	157590	50.0000	48.18
52	Naphthalene	128	5.769	5.769	(1.004)	572317	50.0000	47.93
54	4-Chloroaniline	127	5.852	5.852	(1.018)	233060	50.0000	49.10
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	78639	50.0000	47.79
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	164319	50.0000	49.36
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	347328	50.0000	47.91
66	Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	86888	50.0000	49.37
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	83829	50.0000	48.66
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	93903	50.0000	48.72
71	2-Chloronaphthalene	162	7.158	7.158	(0.910)	324913	50.0000	47.77
73	2-Nitroaniline	65	7.324	7.324	(0.931)	119102	50.0000	50.30
76	Dimethylphthalate	163	7.593	7.593	(0.966)	380003	50.0000	48.05
77	Acenaphthylene	152	7.676	7.676	(0.976)	526965	50.0000	47.98
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	82331	50.0000	51.27
80	3-Nitroaniline	138	7.832	7.832	(0.996)	100092	50.0000	50.07
81	Acenaphthene	153	7.904	7.904	(1.005)	359877	50.0000	48.59
82	2,4-Dinitrophenol	184	7.956	7.956	(1.012)	25148	50.0000	47.94
83	Dibenzofuran	168	8.101	8.101	(1.030)	457244	50.0000	48.04
84	4-Nitrophenol	109	8.028	8.028	(1.021)	44929	50.0000	48.99
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	98667	50.0000	48.42
91	Fluorene	166	8.557	8.557	(1.088)	383828	50.0000	48.60
92	Diethylphthalate	149	8.505	8.505	(1.082)	375172	50.0000	47.63
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	169888	50.0000	48.82
94	4-Nitroaniline	138	8.629	8.629	(1.098)	96251	50.0000	50.39
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	37959	50.0000	47.21
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	311619	58.6000	59.16
100	Azobenzene	77	8.775	8.775	(0.889)	440639	50.0000	49.67
101	4-Bromophenyl-phenylether	248	9.231	9.231	(0.935)	96275	50.0000	52.09
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	102302	50.0000	49.06
110	Pentachlorophenol	266	9.697	9.697	(0.982)	49632	50.0000	53.39
114	Phenanthrene	178	9.904	9.904	(1.003)	544947	50.0000	49.49
115	Anthracene	178	9.977	9.977	(1.010)	559578	50.0000	50.96
118	Carbazole	167	10.236	10.236	(1.037)	505875	50.0000	49.84
120	Di-n-Butylphthalate	149	10.930	10.930	(1.107)	615189	50.0000	49.79
126	Fluoranthene	202	11.811	11.811	(1.196)	519110	50.0000	50.32
127	Benzidine	184	12.080	12.080	(0.843)	302168	50.0000	45.40
128	Pyrene	202	12.184	12.184	(0.850)	567290	50.0000	48.50
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	299098	50.0000	48.62
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	264924	50.0000	49.54
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	456061	50.0000	49.26
139	Chrysene	228	14.371	14.371	(1.003)	467794	50.0000	49.64
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	180556	50.0000	51.54
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	369188	50.0000	49.26
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	564349	50.0000	48.35
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	387968	50.0000	45.16
145	Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	520966	50.0000	53.83
147	Benzo(e)pyrene	252	16.568	16.568	(0.990)	414671	50.0000	49.97
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	437505	50.0000	49.45
151	Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	339412	50.0000	46.55
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	392945	50.0000	50.05
153	Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	408686	50.0000	50.08

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				908934	50.0000	49.75(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: HSL1220J.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\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	95266	-1.95
2 Naphthalene-d8	440574	220287	881148	433988	-1.49
3 Acenaphthene-d10	234996	117498	469992	238199	1.36
4 Phenanthrene-d10	360879	180440	721758	357039	-1.06
5 Chrysene-d12	342230	171115	684460	345137	0.85
6 Perylene-d12	320443	160222	640886	320619	0.05

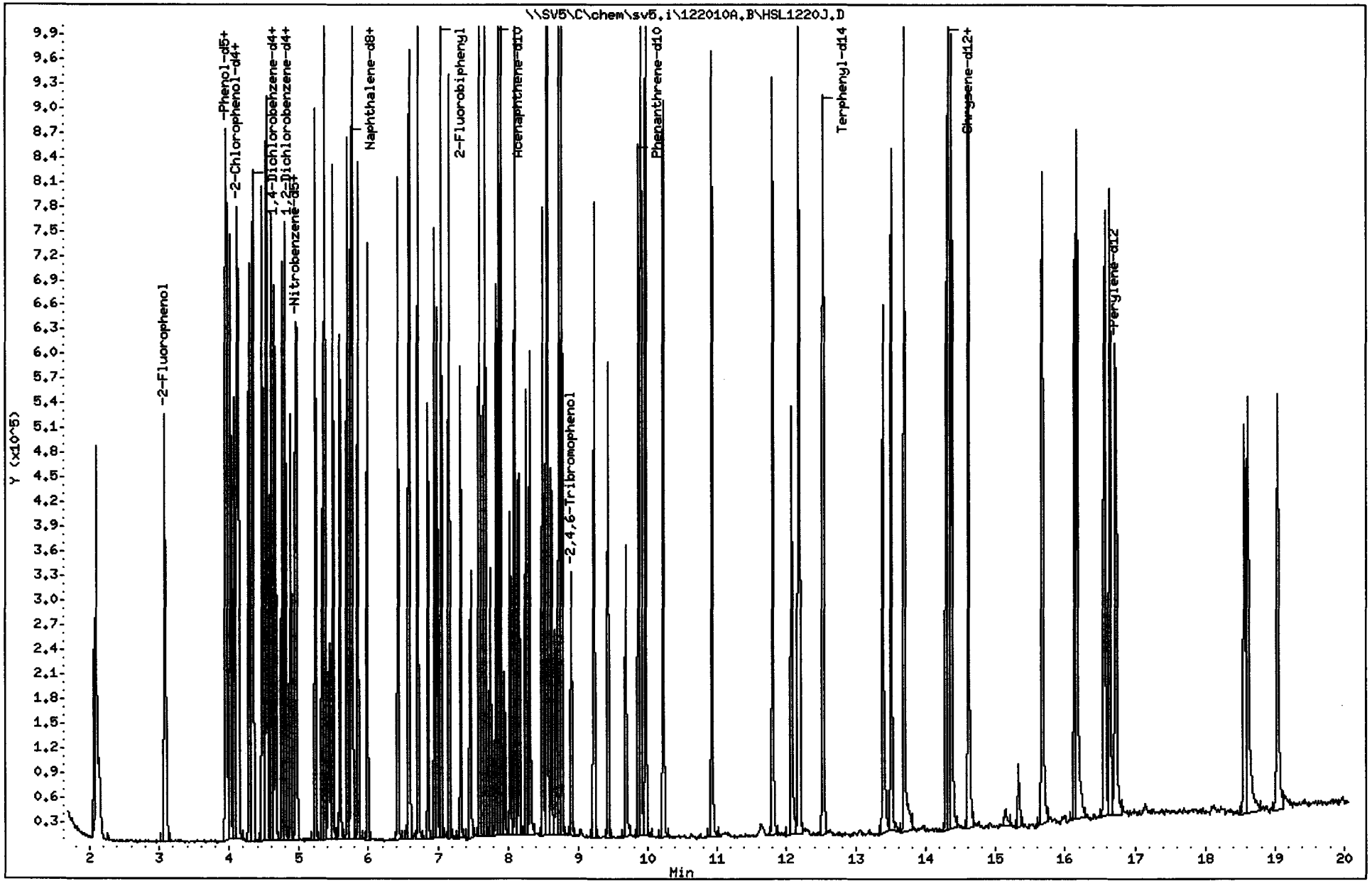
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

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

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220J.D
Date : 20-DEC-2010 21:46
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;4

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

Column phase:



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.6434524	5.000	PASS
Benzidine	0.5303167	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	492454	10.8	20.5	PASS

Sample //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D

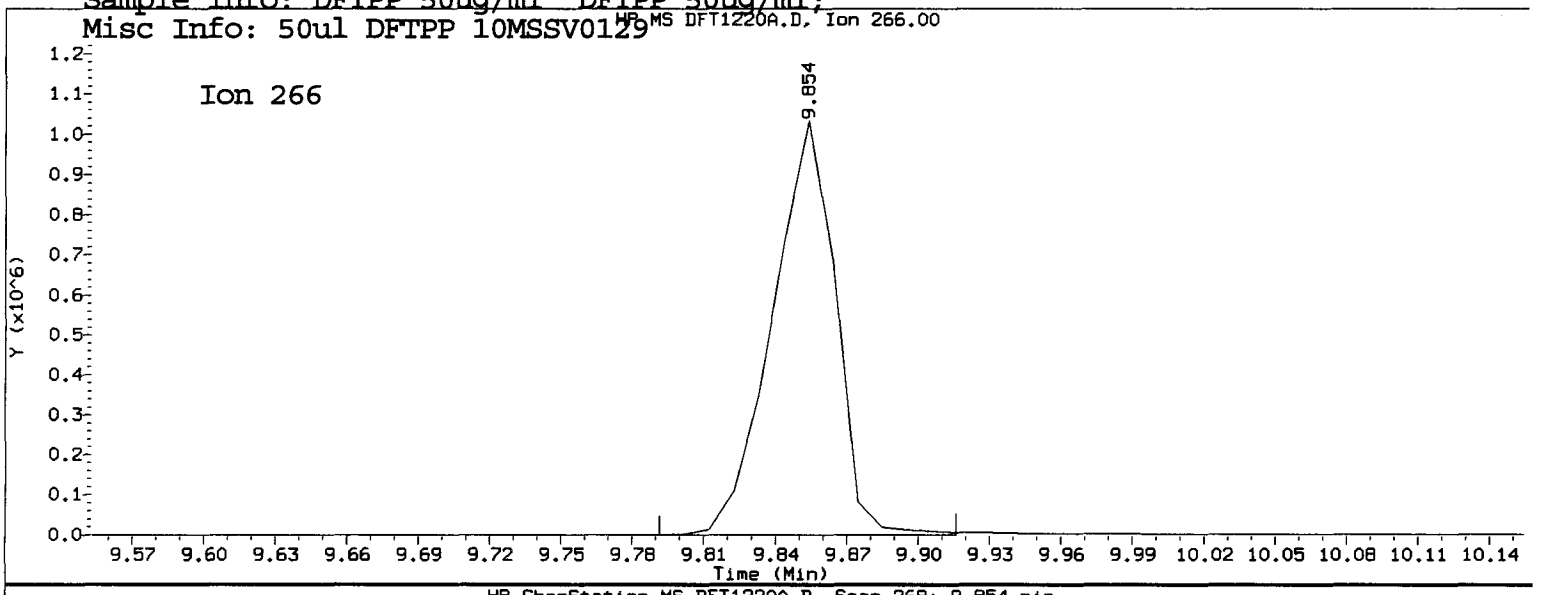
****
*** PASSED ***
****

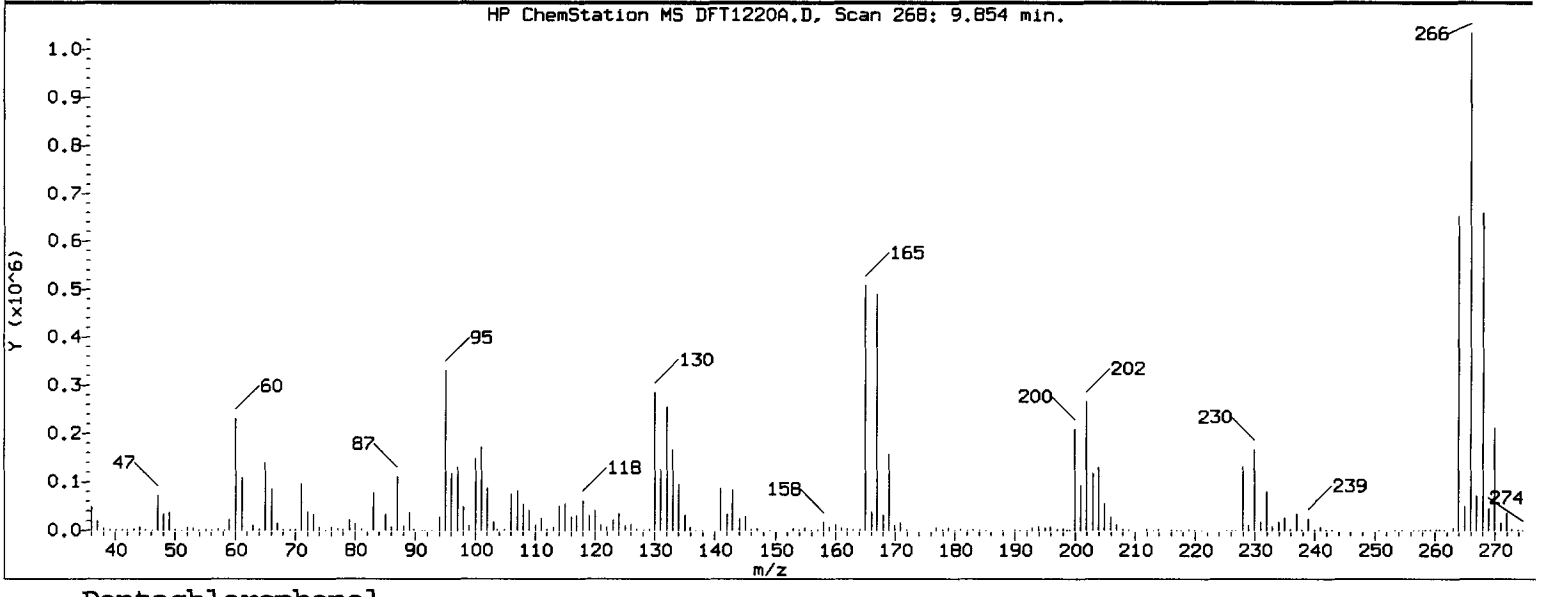
12/22/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 12/21/2010 14:05

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 21:25 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.864
Found RT = 9.854

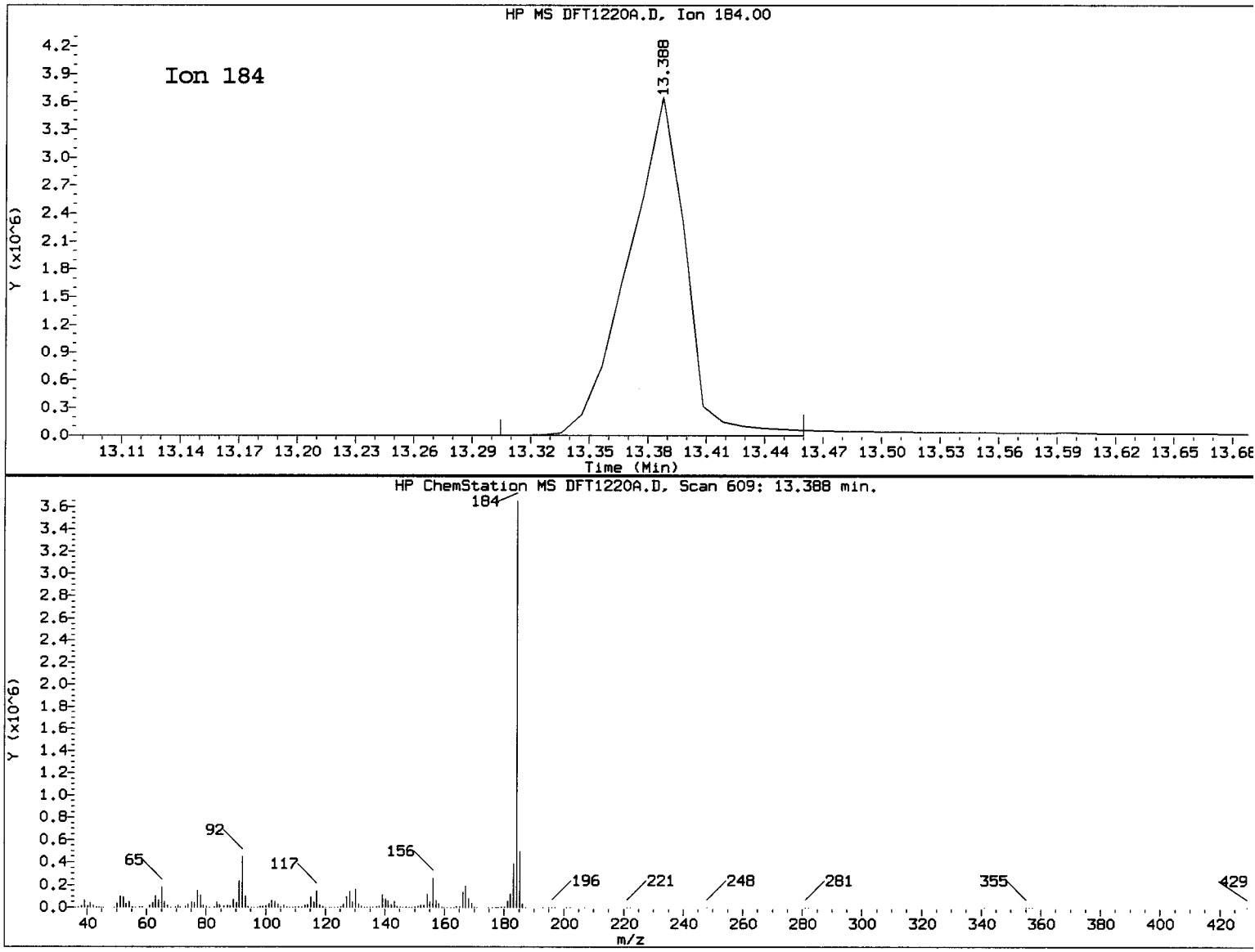
Time1 = 9.822059 Time2 = 9.85375 Time3 = 9.874141
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.643 Maximum Allowed = 5.0

Report Date: 12/21/2010 14:05

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 21:25 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
 Exp. RT = 13.398
Found RT = 13.388

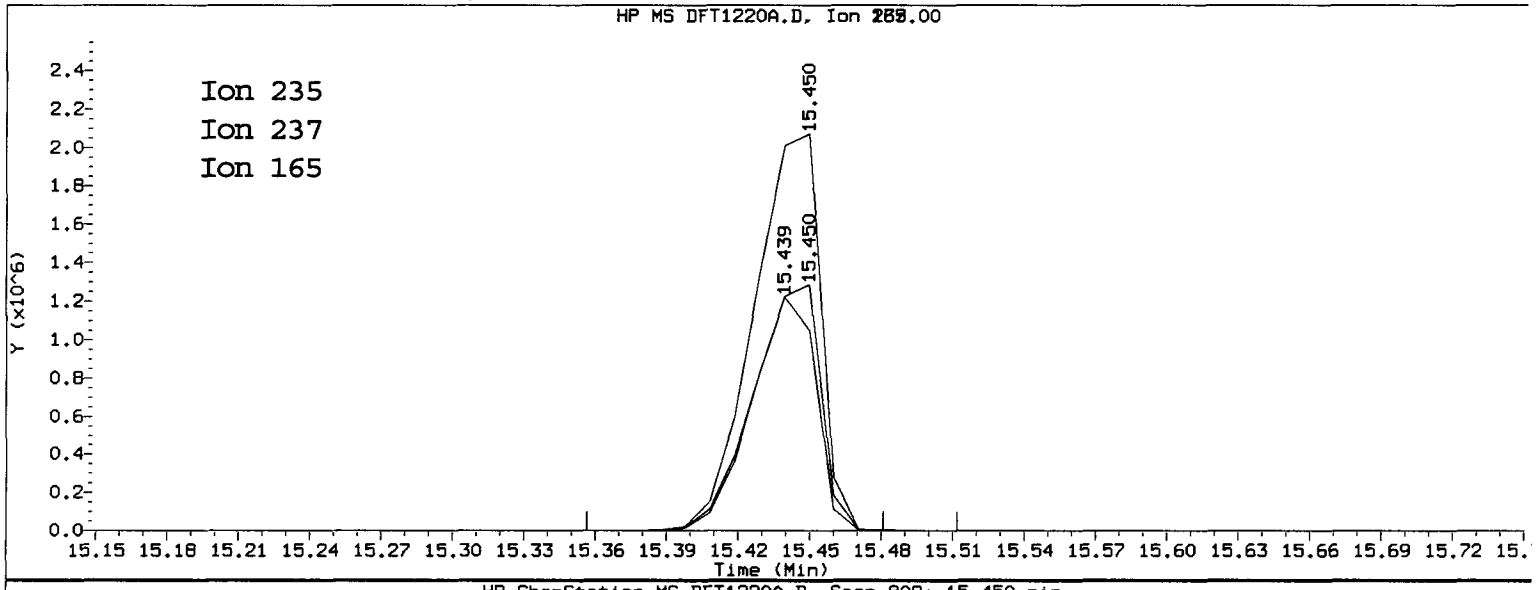
Time1 = 13.34894 Time2 = 13.38755 Time3 = 13.40803
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

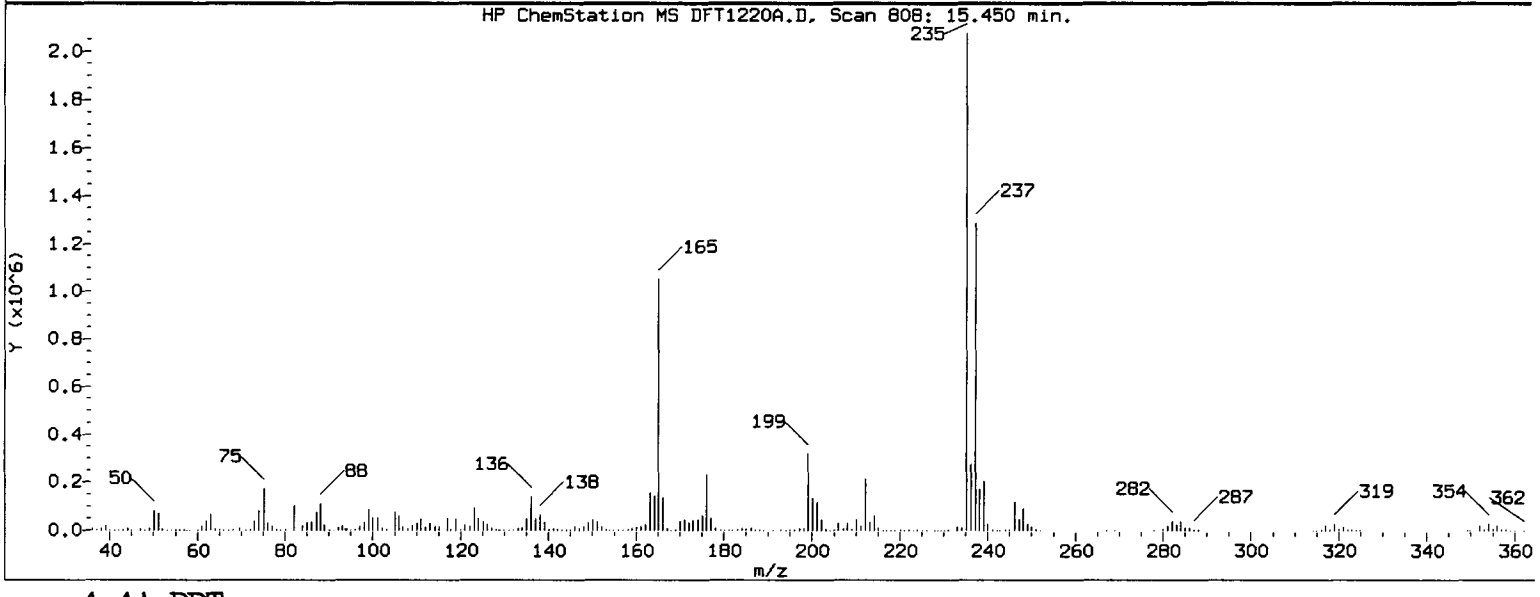
Tailing factor for Benzidine OK

Tail Factor = 0.530 Maximum Allowed = 3.0

Report Date: 12/21/2010 14:05

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 21:25 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



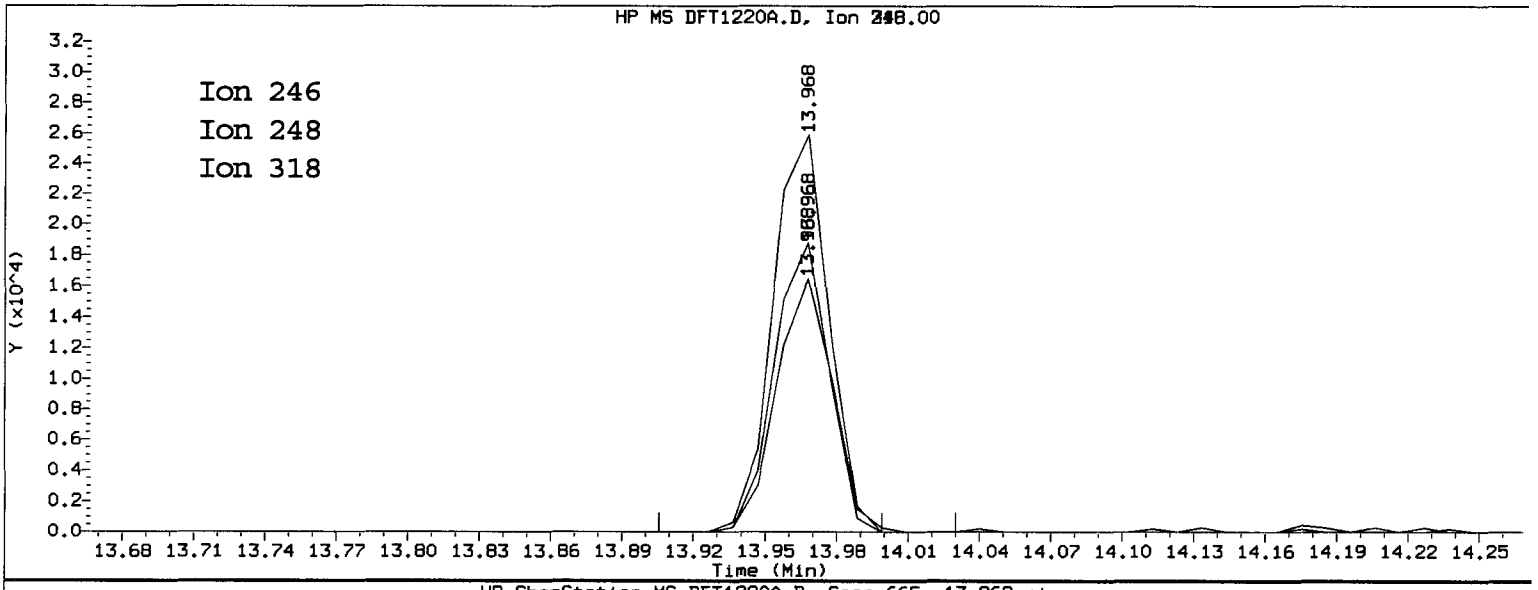


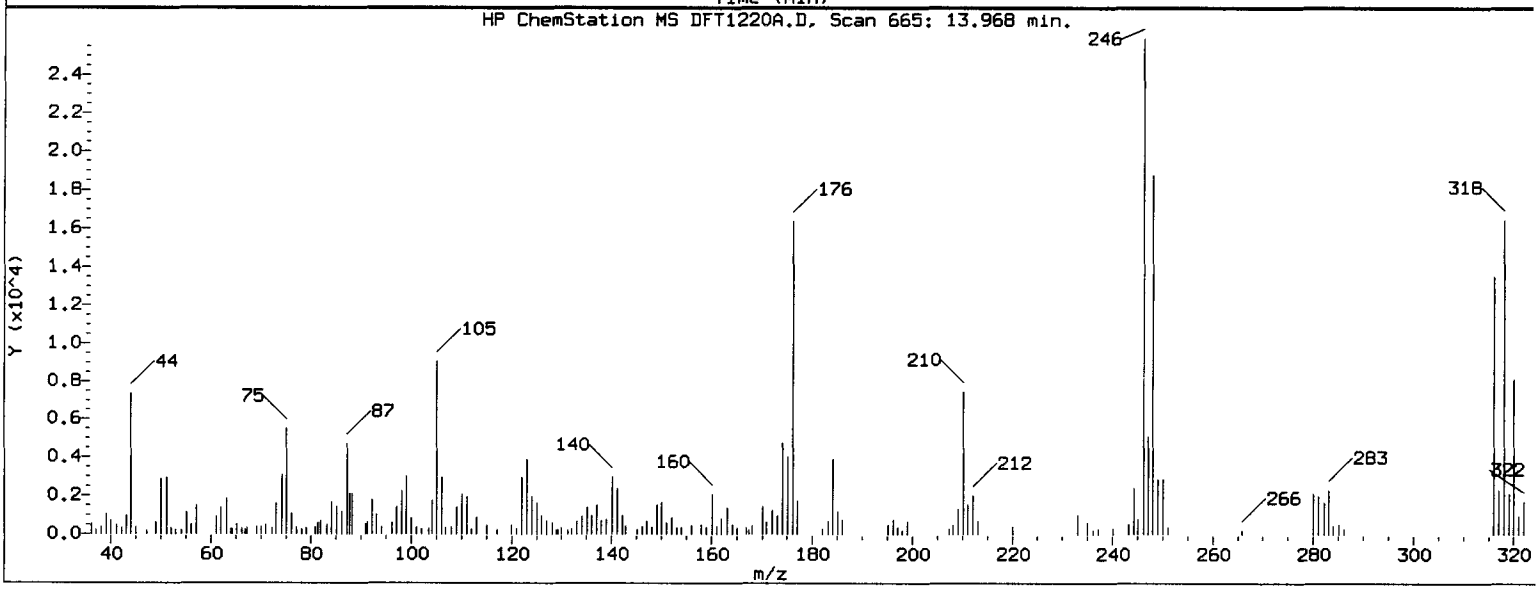
4,4'-DDT
========
Exp. RT = 15.450
Found RT = 15.450

Mass	Area	Ratio
235	4046583	100.00
237	2500516	61.79
165	2332000	57.63

Report Date: 12/21/2010 14:05

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 21:25 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



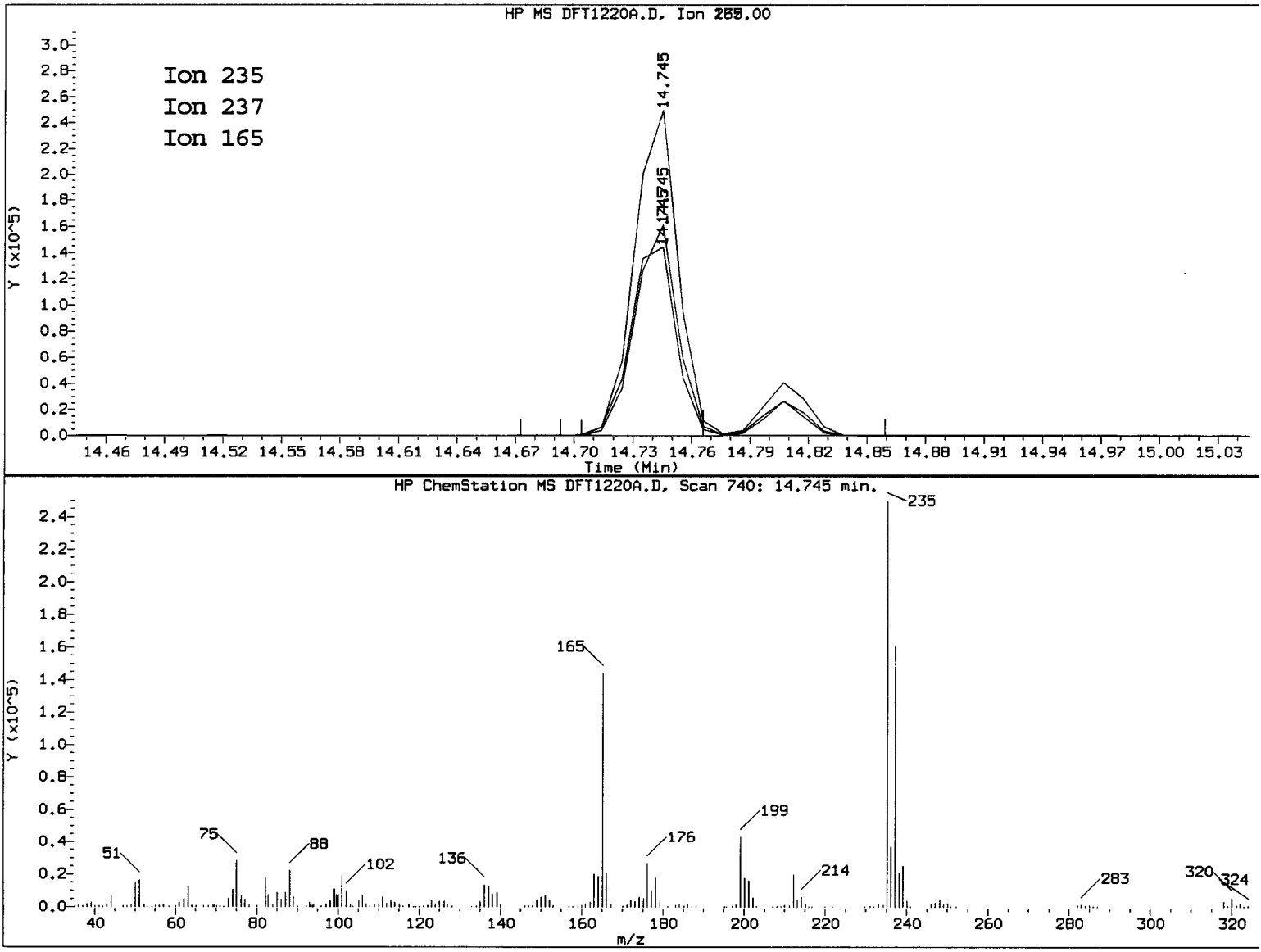


4,4'-DDE
========
Exp. RT = 13.968
Found RT = 13.968

Mass	Area	Ratio
246	42354	100.00
248	30308	71.56
318	27167	64.14

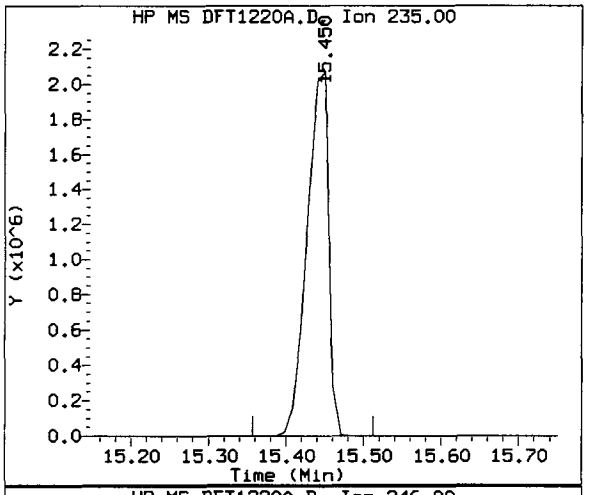
Report Date: 12/21/2010 14:05

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220A.D/DFT1220A.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 21:25 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

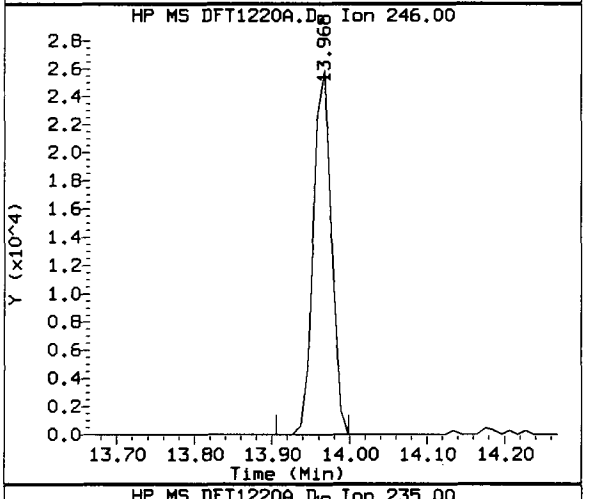


4,4'-DDD
========
Exp. RT = 14.745
Found RT = 14.745

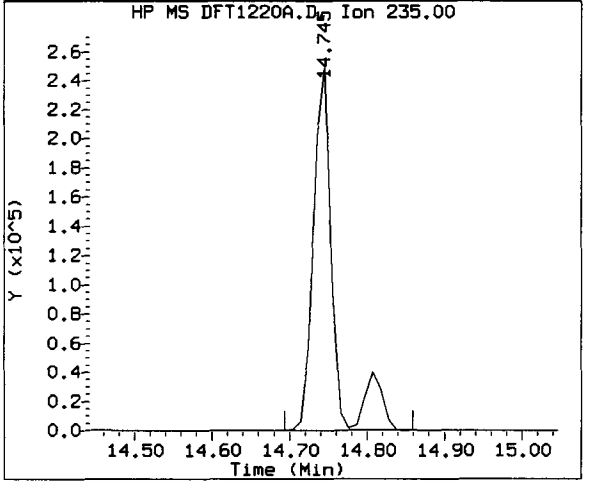
Mass	Area	Ratio
235	450100	100.00
237	245334	54.51
165	234903	52.19



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.450
Area: 4046583



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.968
Area: 42354



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.745
Area: 450100

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	492454	10.8	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\122010A.B\DFT1220A.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 20-DEC-2010 21:25
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\122010A.B\DFTPP.m
Meth Date : 20-Dec-2010 17:04 onishim Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
11.294	11.294	(0.000)	198	1377792			0.00- 100.00	90.76
11.294	11.294	(0.000)	51	568704			30.00- 60.00	41.28
11.294	11.294	(0.000)	68	7819			0.00- 2.00	1.68
11.294	11.294	(0.000)	69	464384			0.00- 0.00	33.70
11.294	11.294	(0.000)	70	2217			0.00- 2.00	0.48
11.294	11.294	(0.000)	127	618432			40.00- 60.00	44.89
11.294	11.294	(0.000)	197	8532			0.00- 1.00	0.62
11.294	11.294	(0.000)	199	87544			5.00- 9.00	6.35
11.294	11.294	(0.000)	275	342656			10.00- 30.00	24.87
11.294	11.294	(0.000)	365	52096			1.00- 0.00	3.78
11.294	11.294	(0.000)	441	221312			0.01- 99.99	76.10
11.294	11.294	(0.000)	442	1518080			40.00- 0.00	110.18
11.294	11.294	(0.000)	443	290816			17.00- 23.00	19.16

Data File: \\SV5\C\chem\sv5.i\122010A.B\DFT1220A.D

Date : 20-DEC-2010 21:25

Client ID:

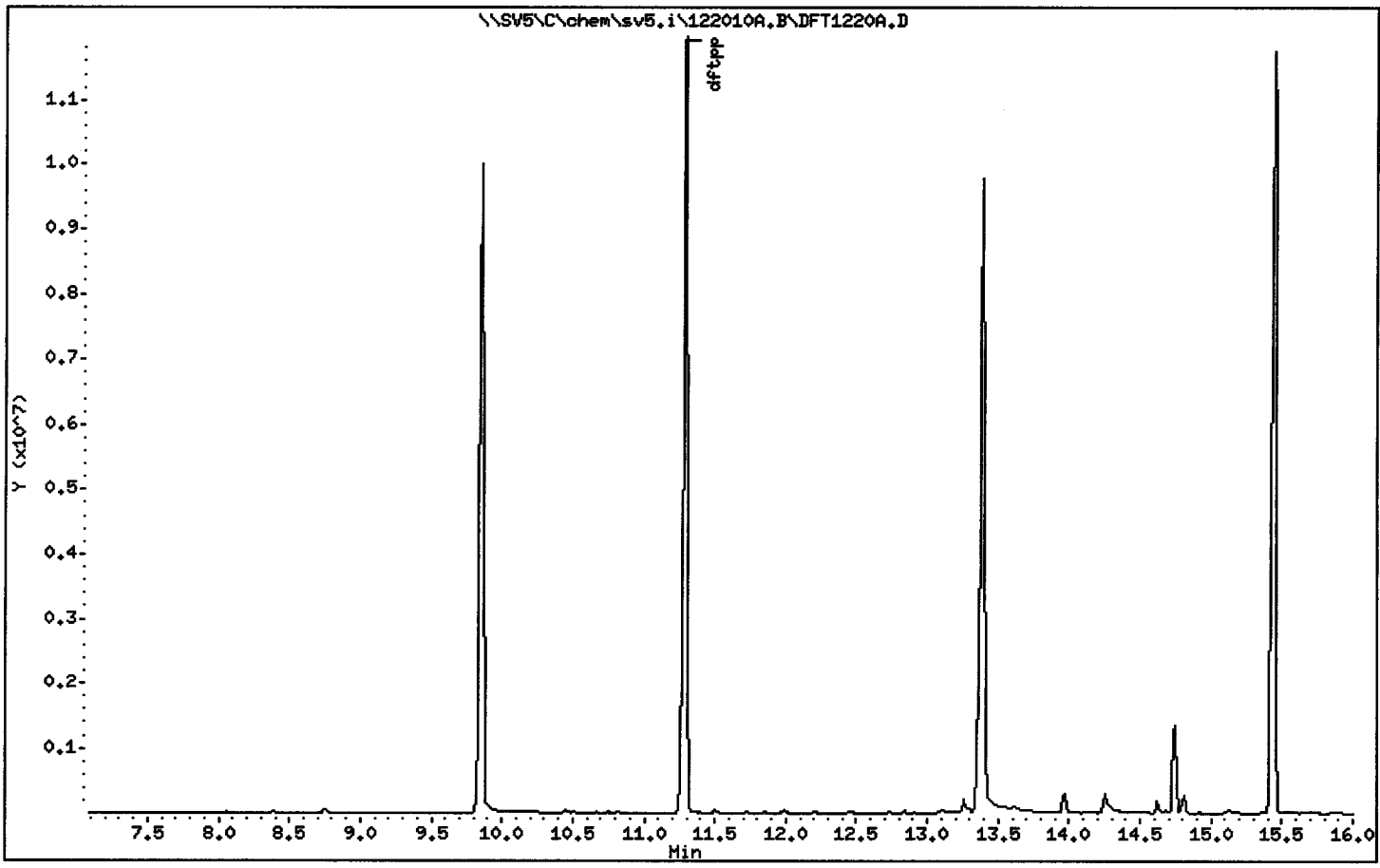
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122010A.B\DFT1220A.D

Date : 20-DEC-2010 21:25

Client ID:

Instrument: sv5.i

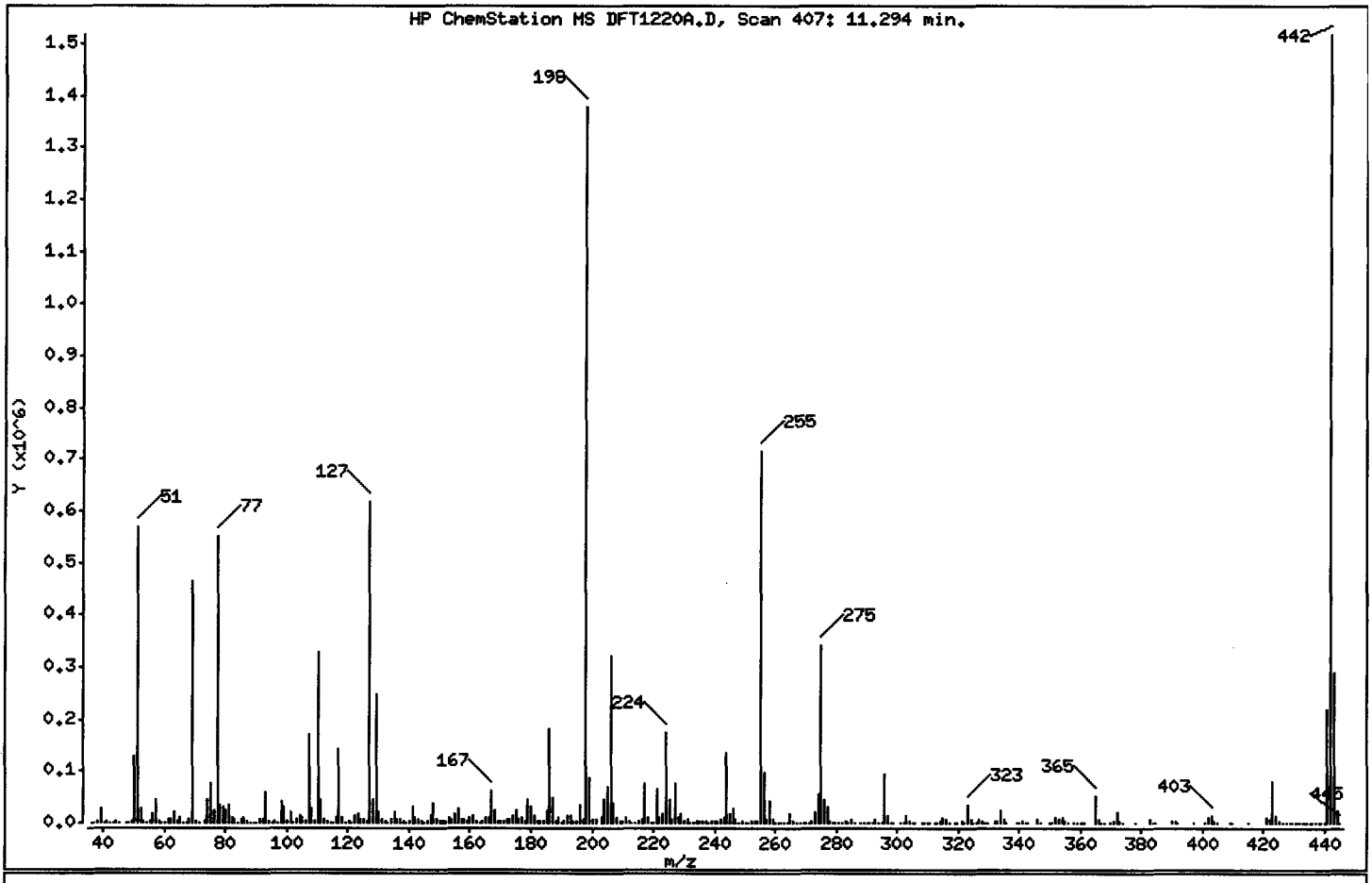
Sample Info: DFTPP 50ug/ml

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	41.28
68	Less than 2.00% of mass 69	0.57 (1.68)
69	Mass 69 relative abundance	33.70
70	Less than 2.00% of mass 69	0.16 (0.48)
127	40.00 - 60.00% of mass 198	44.89
197	Less than 1.00% of mass 198	0.62
199	5.00 - 9.00% of mass 198	6.35
275	10.00 - 30.00% of mass 198	24.87
365	Greater than 1.00% of mass 198	3.78
441	Present, but less than mass 443	16.06
442	Greater than 40.00% of mass 198	110.18
443	17.00 - 23.00% of mass 442	21.11 (19.16)

Date : 20-DEC-2010 21:25

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1220A.D
Spectrum: HP ChemStation MS DFT1220A.D, Scan 407: 11.294 min.
Location of Maximum: 442.10
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	473	131.00	5454	223.00	18464	319.70	380
37.00	1664	132.00	3238	224.10	175424	321.10	4107
38.10	4724	132.80	776	225.10	45536	322.00	1540
39.10	29424	134.00	6251	226.10	5278	323.10	36392
40.10	1461	135.00	19912	227.00	76672	324.10	7051
41.00	1905	136.00	7524	228.10	9850	325.00	587
42.00	366	137.10	8607	229.00	15936	326.00	797
43.10	1006	138.10	2022	230.10	2334	327.00	5295
44.00	4206	139.10	1051	231.10	6789	328.10	3281
45.00	1088	140.00	3280	232.10	917	328.70	365
47.40	201	141.00	30720	233.10	1341	329.20	419
48.00	327	142.10	9708	234.00	5055	330.00	249
49.10	3187	143.00	6100	235.00	4628	332.00	2893
50.10	129512	144.00	1931	236.00	3801	333.00	3735
51.10	568704	145.00	1671	237.10	4816	334.10	23496
52.10	27480	146.00	4623	237.90	809	335.10	6056
52.90	1785	147.10	15238	239.00	3381	336.00	801
54.00	270	148.00	37792	240.10	2019	339.00	754
55.00	2542	149.10	7233	241.00	3776	339.90	566
56.00	15981	150.10	1880	242.10	8259	341.10	3753
57.00	45104	151.00	3472	243.10	9486	342.00	1141
58.00	1746	151.60	2019	244.10	137024	343.10	201
59.00	946	152.00	1779	245.10	17176	346.00	7069
59.90	507	153.00	9974	246.00	26376	347.00	990
61.00	7406	154.00	8340	247.10	5811	349.90	494
62.00	7683	155.10	18600	248.00	1498	350.90	576
63.10	22312	156.10	27120	249.00	5092	352.10	9748
64.10	2661	157.10	6859	250.10	1209	353.00	7377
65.10	11595	158.10	5489	251.10	1471	354.10	10770
66.10	573	159.10	3928	252.00	1851	355.10	2939
67.10	1085	160.00	10293	253.10	3922	356.20	220
68.00	7819	161.00	13820	254.00	4761	358.00	328
69.00	464384	162.00	4119	255.10	715904	359.00	1160
70.00	2217	163.00	1135	256.10	97800	360.10	255
71.10	791	164.10	2580	257.00	7018	360.80	271

Date : 20-DEC-2010 21:25

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1220A.D
Spectrum: HP ChemStation MS DFT1220A.D, Scan 407: 11.294 min.
Location of Maximum: 442.10
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	2872	165.00	10688	258.10	41144	361.40	256
74.00	45184	166.10	9413	259.10	6123	365.00	52096
75.00	76560	167.10	63392	260.00	1383	366.00	6883
76.10	25048	168.00	25456	261.10	1198	367.00	749
77.10	550528	169.00	4329	262.00	288	367.90	290
78.10	36400	170.10	1832	263.10	427	370.00	1238
79.00	31824	171.00	2047	264.00	1293	371.00	3064
80.00	23832	172.00	6081	265.00	15989	372.10	20728
81.00	35776	173.10	6495	266.00	2802	373.00	5089
82.00	9276	174.10	12814	267.20	548	374.00	410
83.00	8008	175.10	24512	268.10	467	378.20	304
84.00	860	176.10	7741	269.40	327	383.00	5837
85.00	6419	177.00	10605	270.00	923	384.00	1132
86.00	9375	178.00	4454	271.10	1472	384.90	326
87.10	4817	179.00	45720	272.00	2133	390.00	2996
88.00	1643	180.10	30496	273.00	21416	391.10	2765
89.00	1016	181.10	13286	274.10	57280	392.10	1367
89.90	257	182.10	2038	275.10	342656	396.90	436
91.00	8672	183.00	1995	276.10	45528	401.00	1202
92.10	7737	184.10	3582	277.00	29664	402.00	9200
93.00	58888	185.10	22952	278.10	4356	403.00	12358
94.00	3316	186.10	182592	279.10	1135	404.00	4594
95.00	1232	187.10	47344	279.80	263	405.00	800
96.10	2188	188.10	4653	281.10	393	409.00	247
97.10	1211	189.00	10252	282.10	806	409.90	366
98.00	41792	190.00	1710	283.10	3458	415.10	480
99.00	32920	191.00	4091	284.10	1435	421.00	10582
100.00	3143	192.00	14019	285.10	5421	422.00	8425
101.00	21608	193.10	14823	286.10	1576	423.10	80776
102.10	1380	194.00	2952	288.00	508	424.10	14944
103.10	6878	195.00	2807	289.10	1100	425.10	2372
104.00	14091	196.10	36360	290.10	1063	426.20	321
105.00	11251	197.00	8532	291.10	662	426.60	526
106.10	3265	198.00	1377792	292.10	1305	427.70	515
107.00	169536	199.00	87544	293.00	6032	428.80	737

Date : 20-DEC-2010 21:25

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1220A.D
Spectrum: HP ChemStation MS DFT1220A.D, Scan 407: 11.294 min.
Location of Maximum: 442.10
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	26336	200.10	5688	294.00	1201	429.60	662
109.00	4914	201.50	6933	295.10	1467	430.30	891
110.00	327872	203.00	9800	296.00	93696	430.90	825
111.00	46088	204.10	45720	297.00	12798	431.40	741
112.00	5520	205.10	70912	298.00	781	431.80	879
113.10	2291	206.10	321664	299.00	403	432.90	1117
114.20	499	207.10	39984	301.10	1254	433.50	1271
115.00	754	208.10	10219	302.10	1715	434.30	1562
116.00	9414	209.00	2485	303.10	12598	435.20	1421
117.00	143552	210.10	4135	304.10	4073	436.10	1318
118.00	10155	211.10	10503	305.00	580	437.40	702
119.00	946	212.00	2430	306.10	260	438.10	647
120.10	2206	212.90	854	308.00	1672	438.90	435
121.00	1039	214.10	524	309.00	1500	439.20	586
122.00	12405	215.00	3708	310.00	1115	440.00	607
123.10	16373	216.10	6021	310.90	428	441.00	221312
124.00	7808	217.00	78512	312.20	257	442.10	1518080
125.00	7375	218.00	9788	313.00	792	443.10	290816
126.10	3222	219.10	1094	314.10	5224	444.10	24280
127.10	618432	220.10	1738	315.00	11386	445.10	1741
128.10	43928	221.10	67272	316.10	6264		
129.00	247168	221.70	11046	317.10	887		
130.00	19680	222.00	10258	319.00	328		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122007.D
Lab Smp Id: MCJNQ1QAA G0L170000 Client Smp ID: 0351383
Inj Date : 20-DEC-2010 22:11
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAA G0L170000-383B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	107493	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	478241	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	253135	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	404335	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	385488	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	368111	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	257532	62.1151	62.12
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	362709	68.6680	68.67
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	81642	31.1936	31.19(Q)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	145680	33.4425	33.44
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	308494	39.0037	39.00
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	77799	79.7988	79.80(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	292792	36.9581	36.96
108	Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

12/22/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCJNQ1QAA G0L170000 Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.12	62.12	41-105
$ 8 Phenol-d5	100.0	68.67	68.67	43-122
$ 10 1,2-Dichlorobenzen	50.00	31.19	62.39	60-120
$ 11 Nitrobenzene-d5	50.00	33.44	66.89	46-118
$ 12 2-Fluorobiphenyl	50.00	39.00	78.01	58-105
$ 13 2,4,6-Tribromophen	100.0	79.80	79.80	61-118
$ 14 Terphenyl-d14	50.00	36.96	73.92	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122007.D
Lab Smp Id: MCJNQ1QAA G0L170000 Client Smp ID: 0351383
Inj Date : 20-DEC-2010 22:11
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAA G0L170000-383B;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	107493	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	478241	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	253135	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	404335	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	385488	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	368111	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	257532	62.1151	62.12
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	362709	68.6680	68.67
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	81642	31.1936	31.19(Q)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	145680	33.4425	33.44
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	308494	39.0037	39.00
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	77799	79.7988	79.80(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	292792	36.9581	36.96
108	Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122007.D
Lab Smp Id: MCJNQ1QAA G0L170000
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	107493	10.64
2 Naphthalene-d8	440574	220287	881148	478241	8.55
3 Acenaphthene-d10	234996	117498	469992	253135	7.72
4 Phenanthrene-d10	360879	180440	721758	404335	12.04
5 Chrysene-d12	342230	171115	684460	385488	12.64
6 Perylene-d12	320443	160222	640886	368111	14.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	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

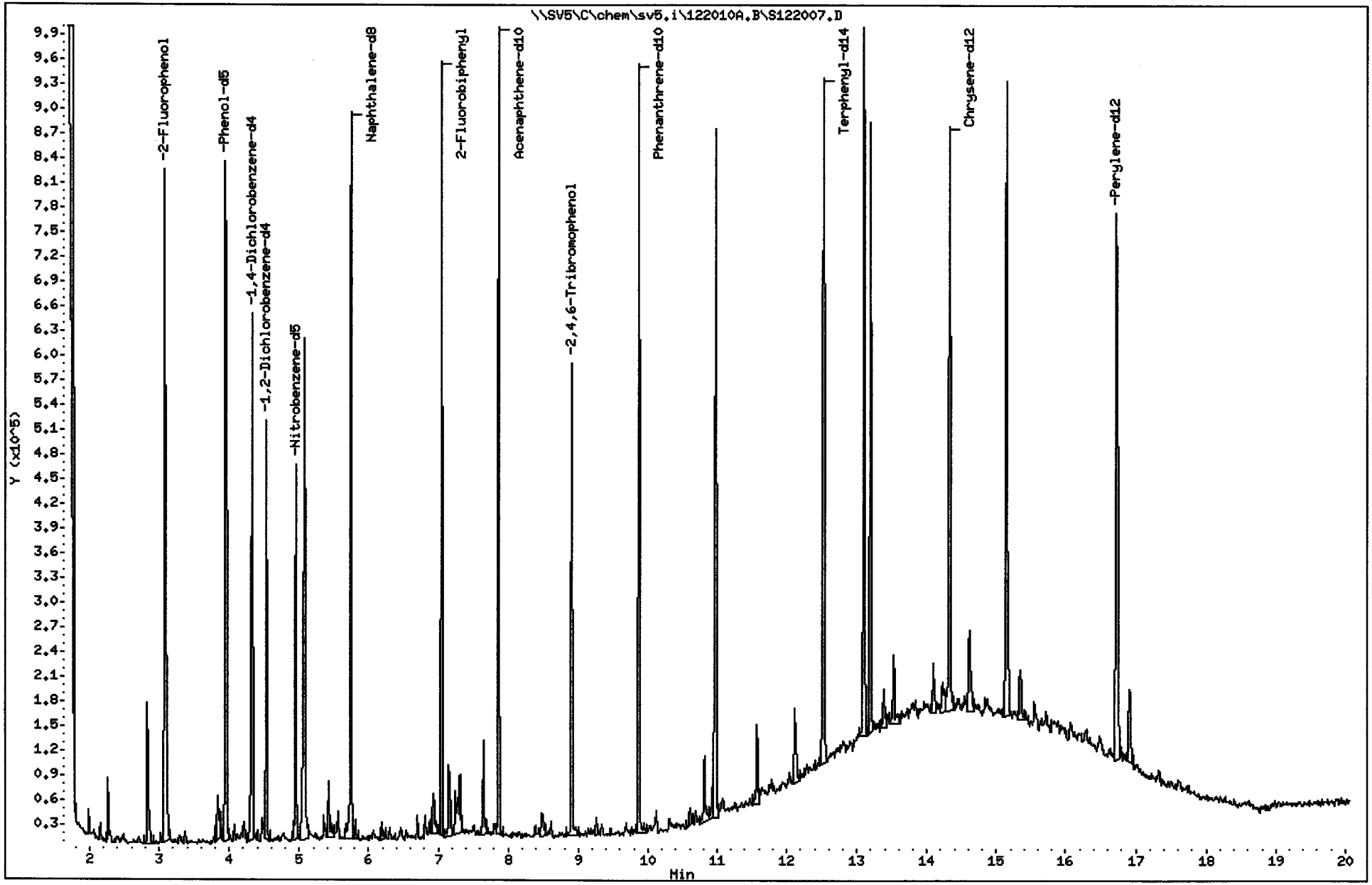
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCJNQ1QAA G0L170000 Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.12	62.12	41-105
$ 8 Phenol-d5	100.0	68.67	68.67	43-122
$ 10 1,2-Dichlorobenzen	50.00	31.19	62.39	60-120
$ 11 Nitrobenzene-d5	50.00	33.44	66.89	46-118
$ 12 2-Fluorobiphenyl	50.00	39.00	78.01	58-105
$ 13 2,4,6-Tribromophen	100.0	79.80	79.80	61-118
$ 14 Terphenyl-d14	50.00	36.96	73.92	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122007.D
Date : 20-DEC-2010 22:11
Client ID: 0351383
Sample Info: MCJNQ1QAA G0L170000-383B;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122008.D
Lab Smp Id: MCJNQ1QAC G0L170000
Inj Date : 20-DEC-2010 22:37
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAC G0L170000-383C;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\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 24 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	101392	40.0000	
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	478863	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	253780	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	414963	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	386501	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	374797	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	277304	70.9085	70.91
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	382645	76.8014	76.80
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	153565	35.2068	35.21
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	326511	41.1768	41.18
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	89469	91.5356	91.54
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	320433	40.3411	40.34
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	196584	81.1096	81.11

12/22/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCJNQ1QAC G0L170000
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\122010A.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	81.11	81.11	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	70.91	70.91	41-105
$ 8 Phenol-d5	100.0	76.80	76.80	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	35.21	70.41	46-118
$ 12 2-Fluorobiphenyl	50.00	41.18	82.35	58-105
$ 13 2,4,6-Tribromophen	100.0	91.54	91.54	61-118
$ 14 Terphenyl-d14	50.00	40.34	80.68	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122008.D
Lab Smp Id: MCJNQ1QAC G0L170000
Inj Date : 20-DEC-2010 22:37
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAC G0L170000-383C;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\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 24 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	101392	40.0000	
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	478863	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	253780	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	414963	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	386501	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	374797	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	277304	70.9085	70.91
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	382645	76.8014	76.80
$ 10	1,2-Dichlorobenzene-d4	152	4.319	4.526	(1.000)	101392	41.0707	41.07(q)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	153565	35.2068	35.21
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	326511	41.1768	41.18
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	89469	91.5356	91.54
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	320433	40.3411	40.34
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	196584	81.1096	81.11

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: S122008.D
Lab Smp Id: MCJNQ1QAC G0L170000
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	101392	4.36
2 Naphthalene-d8	440574	220287	881148	478863	8.69
3 Acenaphthene-d10	234996	117498	469992	253780	7.99
4 Phenanthrene-d10	360879	180440	721758	414963	14.99
5 Chrysene-d12	342230	171115	684460	386501	12.94
6 Perylene-d12	320443	160222	640886	374797	16.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	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: MCJNQ1QAC G0L170000
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\122010A.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	81.11	81.11	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	70.91	70.91	41-105
$ 8 Phenol-d5	100.0	76.80	76.80	43-122
$ 10 1,2-Dichlorobenzen	50.00	41.07	82.14	60-120
$ 11 Nitrobenzene-d5	50.00	35.21	70.41	46-118
$ 12 2-Fluorobiphenyl	50.00	41.18	82.35	58-105
$ 13 2,4,6-Tribromophen	100.0	91.54	91.54	61-118
$ 14 Terphenyl-d14	50.00	40.34	80.68	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122008.D

Date : 20-DEC-2010 22:37

Client ID:

Sample Info: MCJNQ1QAC G0L170000-383C;3;LCS;;1000;;1000;2

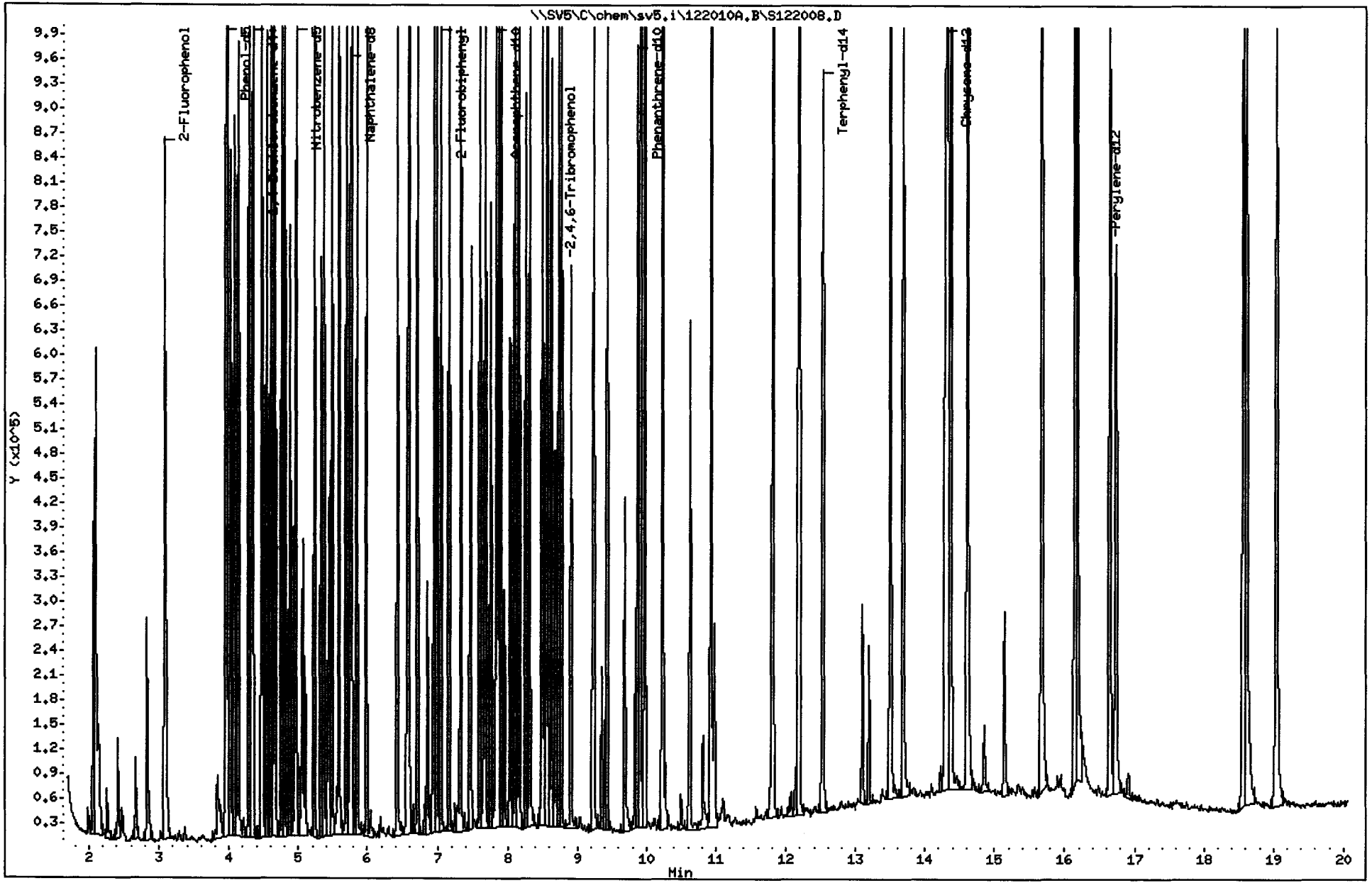
Volume Injected (uL): 1.0

Column phase:

Instrument: sv5.i

Operator: KT

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122008.D

Date : 20-DEC-2010 22:37

Client ID:

Instrument: sv5.i

Sample Info: MCJNQ1QAC G0L170000-383C;3;LCS;;1000;;1000;2

Volume Injected (uL): 1.0

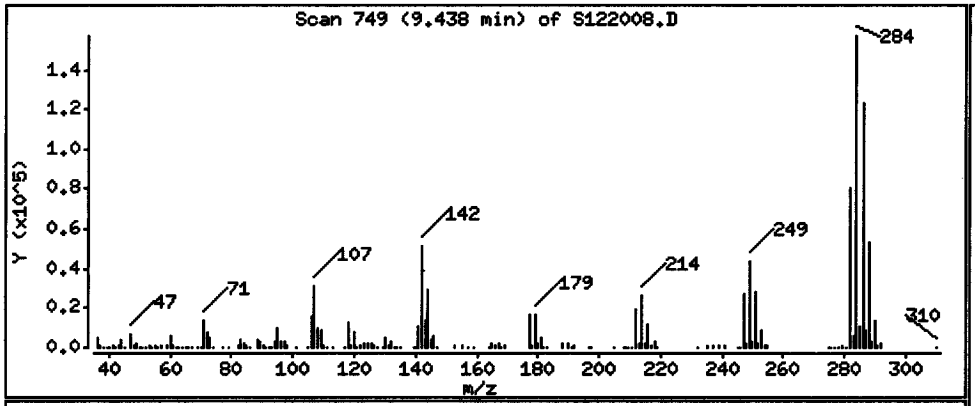
Operator: KT

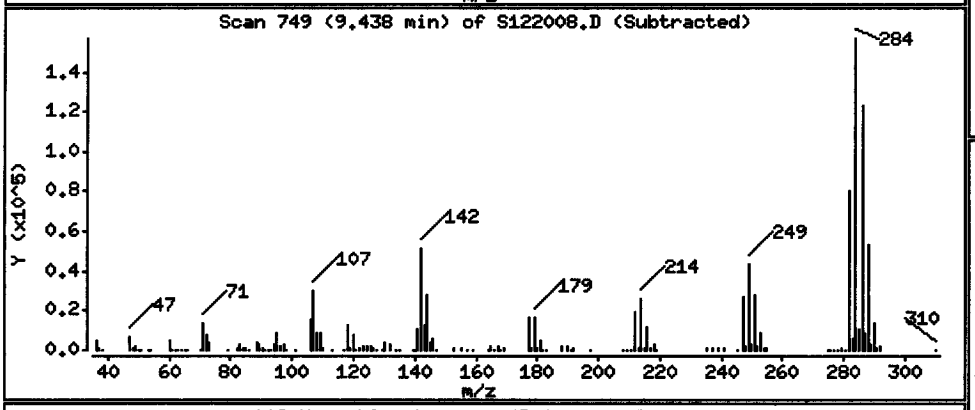
Column phase:

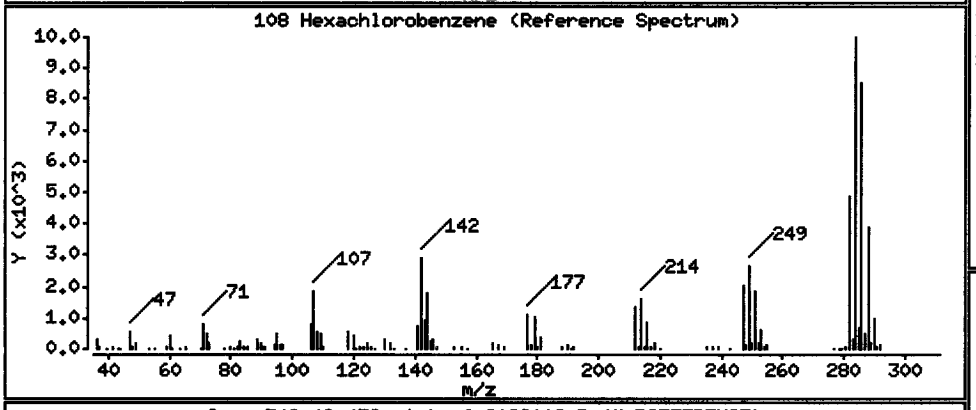
Column diameter: 2.00

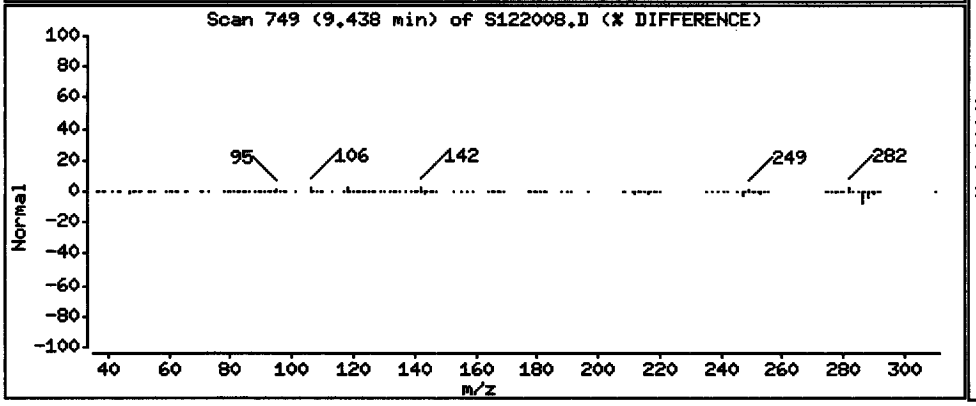
108 Hexachlorobenzene

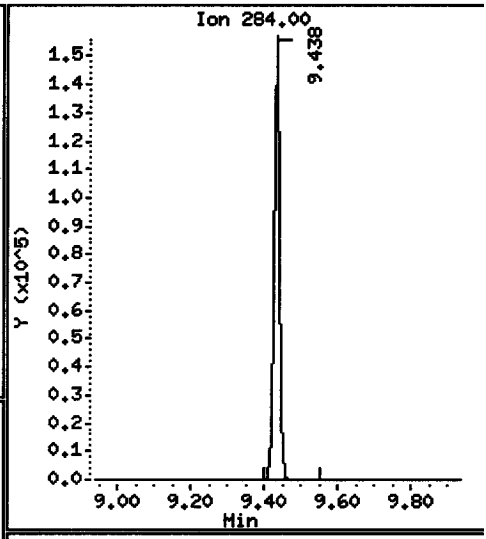
Concentration: 81.11 ug/L

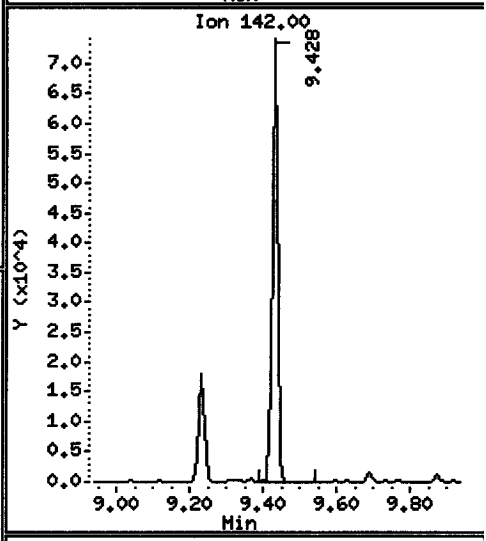


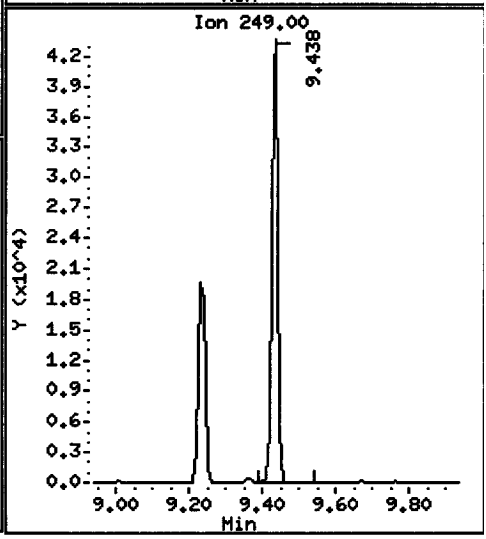












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122010.D
Lab Smp Id: MCG611AA G0L170472- Client Smp ID: 0351383
Inj Date : 20-DEC-2010 23:28
Operator : KT Inst ID: sv5.i
Smp Info : MCG611AA G0L170472-1;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	98454	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	456857	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	247762	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	385911	40.0000	
* 5	Chrysene-d12	240	14.319	14.329	(1.000)	360053	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	335367	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	285384	75.1523	75.15
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	407179	84.1644	84.16
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	71599	29.8680	29.87(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	161401	38.7857	38.78
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	321040	41.4702	41.47
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	86385	90.5270	90.53(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.875)	301967	40.8089	40.81
108	Hexachlorobenzene	284	9.428	9.438	(0.955)	508	0.22538	0.2254(aq)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

12/22/10

QC Flag Legend

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

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG611AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	75.15	75.15	41-105
$ 8 Phenol-d5	100.0	84.16	84.16	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.87	59.74*	60-120
$ 11 Nitrobenzene-d5	50.00	38.78	77.57	46-118
$ 12 2-Fluorobiphenyl	50.00	41.47	82.94	58-105
$ 13 2,4,6-Tribromophen	100.0	90.53	90.53	61-118
$ 14 Terphenyl-d14	50.00	40.81	81.62	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122010.D
Lab Smp Id: MCG611AA G0L170472- Client Smp ID: 0351383
Inj Date : 20-DEC-2010 23:28
Operator : KT Inst ID: sv5.i
Smp Info : MCG611AA G0L170472-1;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	98454	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	456857	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	247762	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	385911	40.0000	
* 5	Chrysene-d12	240	14.319	14.329	(1.000)	360053	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	335367	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	285384	75.1523	75.15
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	407179	84.1644	84.16
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	71599	29.8680	29.87(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	161401	38.7857	38.78
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	321040	41.4702	41.47
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	86385	90.5270	90.53(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.875)	301967	40.8089	40.81
108	Hexachlorobenzene	284	9.428	9.438	(0.955)	508	0.22538	0.2254(aq)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122010.D
Lab Smp Id: MCG611AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	98454	1.33
2 Naphthalene-d8	440574	220287	881148	456857	3.70
3 Acenaphthene-d10	234996	117498	469992	247762	5.43
4 Phenanthrene-d10	360879	180440	721758	385911	6.94
5 Chrysene-d12	342230	171115	684460	360053	5.21
6 Perylene-d12	320443	160222	640886	335367	4.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.32	-0.07
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

TestAmerica West Sacramento

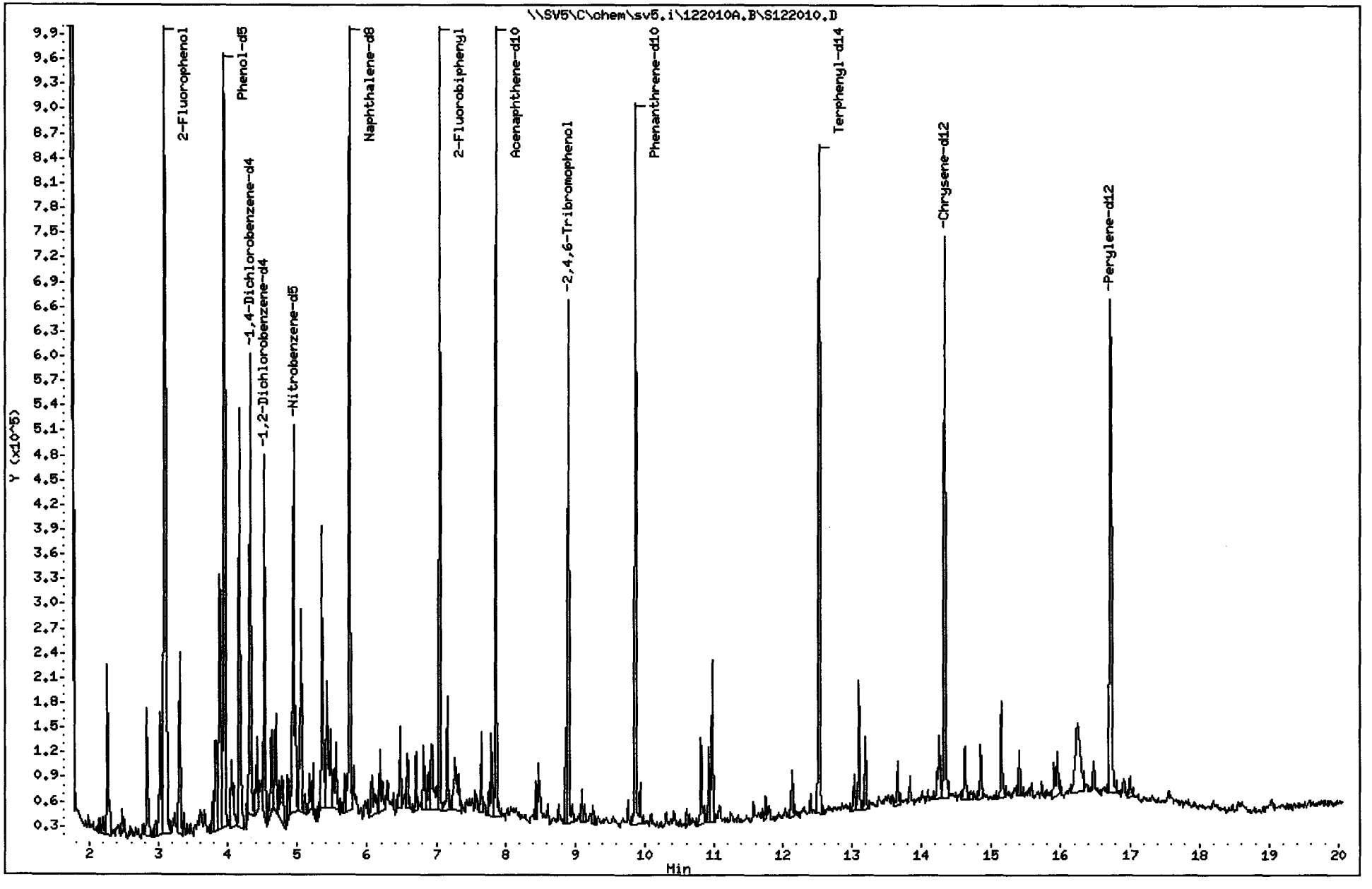
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG611AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	75.15	75.15	41-105
$ 8 Phenol-d5	100.0	84.16	84.16	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.87	59.74*	60-120
$ 11 Nitrobenzene-d5	50.00	38.78	77.57	46-118
$ 12 2-Fluorobiphenyl	50.00	41.47	82.94	58-105
$ 13 2,4,6-Tribromophen	100.0	90.53	90.53	61-118
$ 14 Terphenyl-d14	50.00	40.81	81.62	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122010.D
Date : 20-DEC-2010 23:28
Client ID: 0351383
Sample Info: MCG611AA G0L170472-1;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122010.D

Date : 20-DEC-2010 23:28

Client ID: 0351383

Instrument: sv5.i

Sample Info: MCG611AA G0L170472-1;0;;;1000;;1000;5

Volume Injected (uL): 1.0

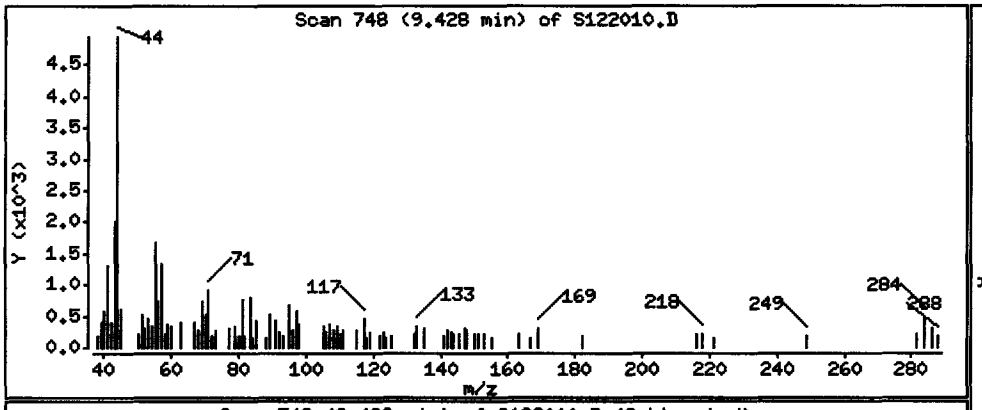
Operator: KT

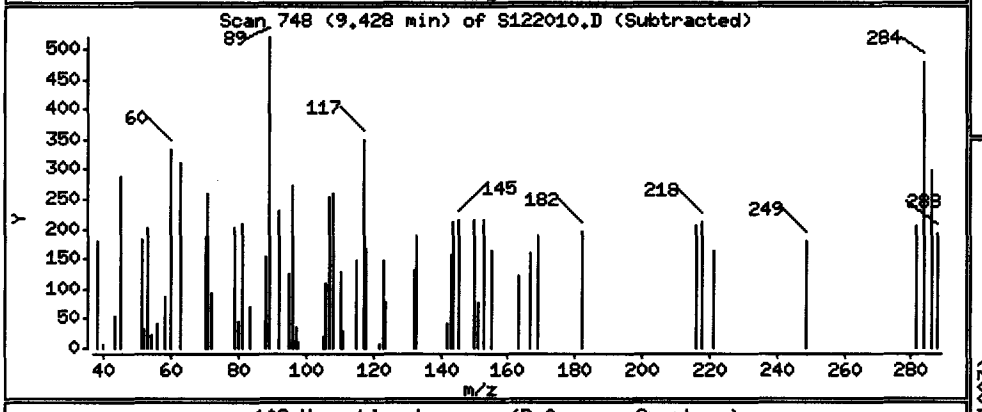
Column phase:

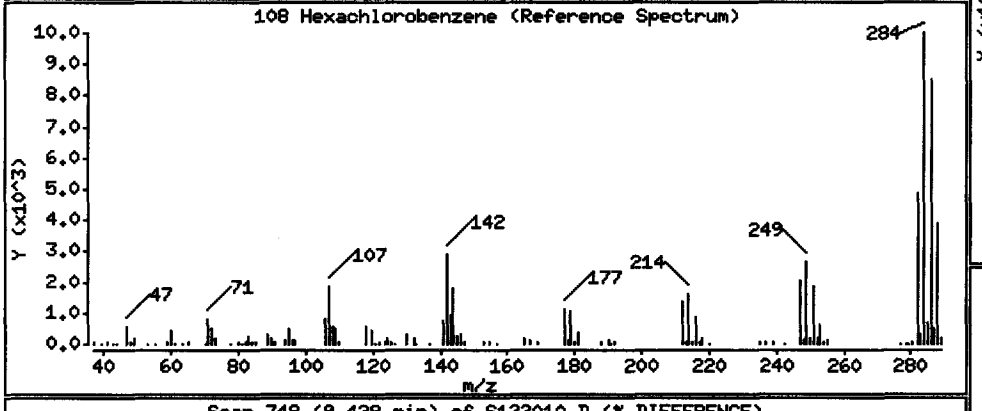
Column diameter: 2.00

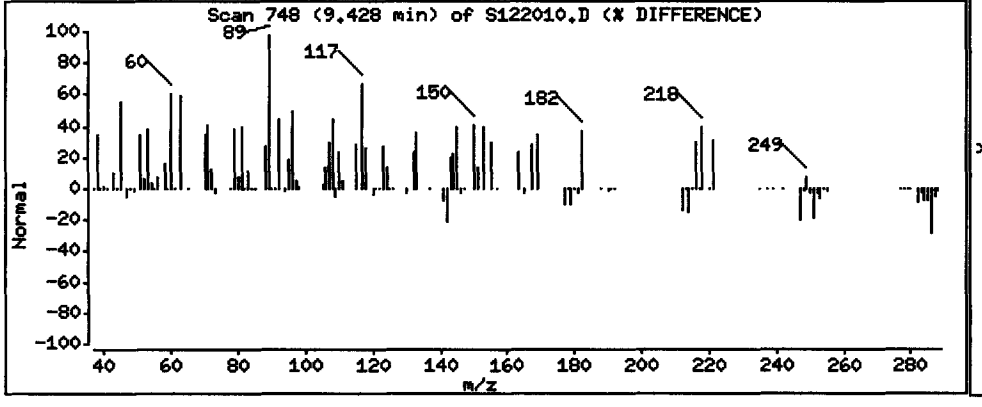
108 Hexachlorobenzene

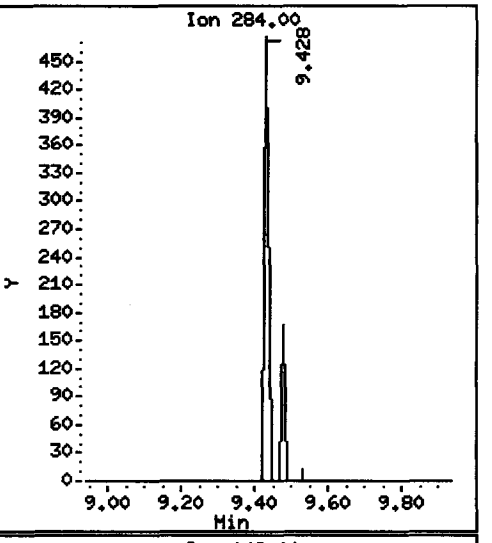
Concentration: 0.2254 ug/L

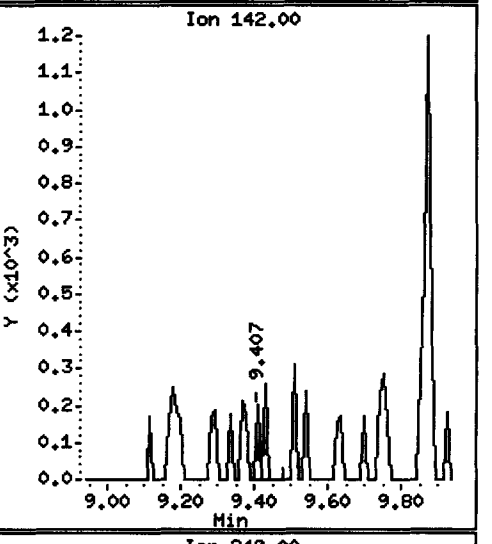


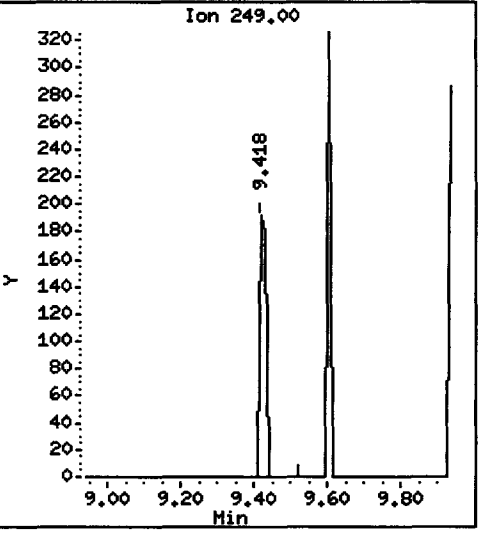












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122011.D
Lab Smp Id: MCG7A1AA G0L170472- Client Smp ID: 0351383
Inj Date : 20-DEC-2010 23:54
Operator : KT Inst ID: sv5.i
Smp Info : MCG7A1AA G0L170472-4;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)
* 1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	112561	40.0000	(Q)
* 2 Naphthalene-d8	136	5.749	5.749	(1.000)	510534	40.0000	
* 3 Acenaphthene-d10	164	7.863	7.863	(1.000)	276294	40.0000	
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	437080	40.0000	
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	393384	40.0000	
* 6 Perylene-d12	264	16.723	16.733	(1.000)	371009	40.0000	
$ 7 2-Fluorophenol	112	3.085	3.085	(0.714)	300017	69.1041	69.10
$ 8 Phenol-d5	99	3.956	3.945	(0.916)	430221	77.7822	77.78
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	84685	30.8995	30.90(q)
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	170023	36.5619	36.56
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	336376	38.9642	38.96
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	84408	79.3208	79.32
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	288388	35.6716	35.67
108 Hexachlorobenzene	284	9.427	9.438	(0.955)	3917	1.53436	1.534(Q)

QC Flag Legend

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

12/22/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG7A1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	69.10	69.10	41-105
$ 8 Phenol-d5	100.0	77.78	77.78	43-122
$ 10 1,2-Dichlorobenzen	50.00	30.90	61.80	60-120
$ 11 Nitrobenzene-d5	50.00	36.56	73.12	46-118
$ 12 2-Fluorobiphenyl	50.00	38.96	77.93	58-105
$ 13 2,4,6-Tribromophen	100.0	79.32	79.32	61-118
$ 14 Terphenyl-d14	50.00	35.67	71.34	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122011.D
Lab Smp Id: MCG7A1AA G0L170472- Client Smp ID: 0351383
Inj Date : 20-DEC-2010 23:54
Operator : KT Inst ID: sv5.i
Smp Info : MCG7A1AA G0L170472-4;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 27
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
*	1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	112561	40.0000		(Q)
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	510534	40.0000		
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	276294	40.0000		
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	437080	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	393384	40.0000		
*	6 Perylene-d12	264	16.723	16.733	(1.000)	371009	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	300017	69.1041	69.10	
$	8 Phenol-d5	99	3.956	3.945	(0.916)	430221	77.7822	77.78	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	84685	30.8995	30.90	(q)
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	170023	36.5619	36.56	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	336376	38.9642	38.96	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	84408	79.3208	79.32	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	288388	35.6716	35.67	
	108 Hexachlorobenzene	284	9.427	9.438	(0.955)	3917	1.53436	1.534	(Q)

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: S122011.D
Lab Smp Id: MCG7A1AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	112561	15.85
2 Naphthalene-d8	440574	220287	881148	510534	15.88
3 Acenaphthene-d10	234996	117498	469992	276294	17.57
4 Phenanthrene-d10	360879	180440	721758	437080	21.12
5 Chrysene-d12	342230	171115	684460	393384	14.95
6 Perylene-d12	320443	160222	640886	371009	15.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	-0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	-0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	-0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	-0.00
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

TestAmerica West Sacramento

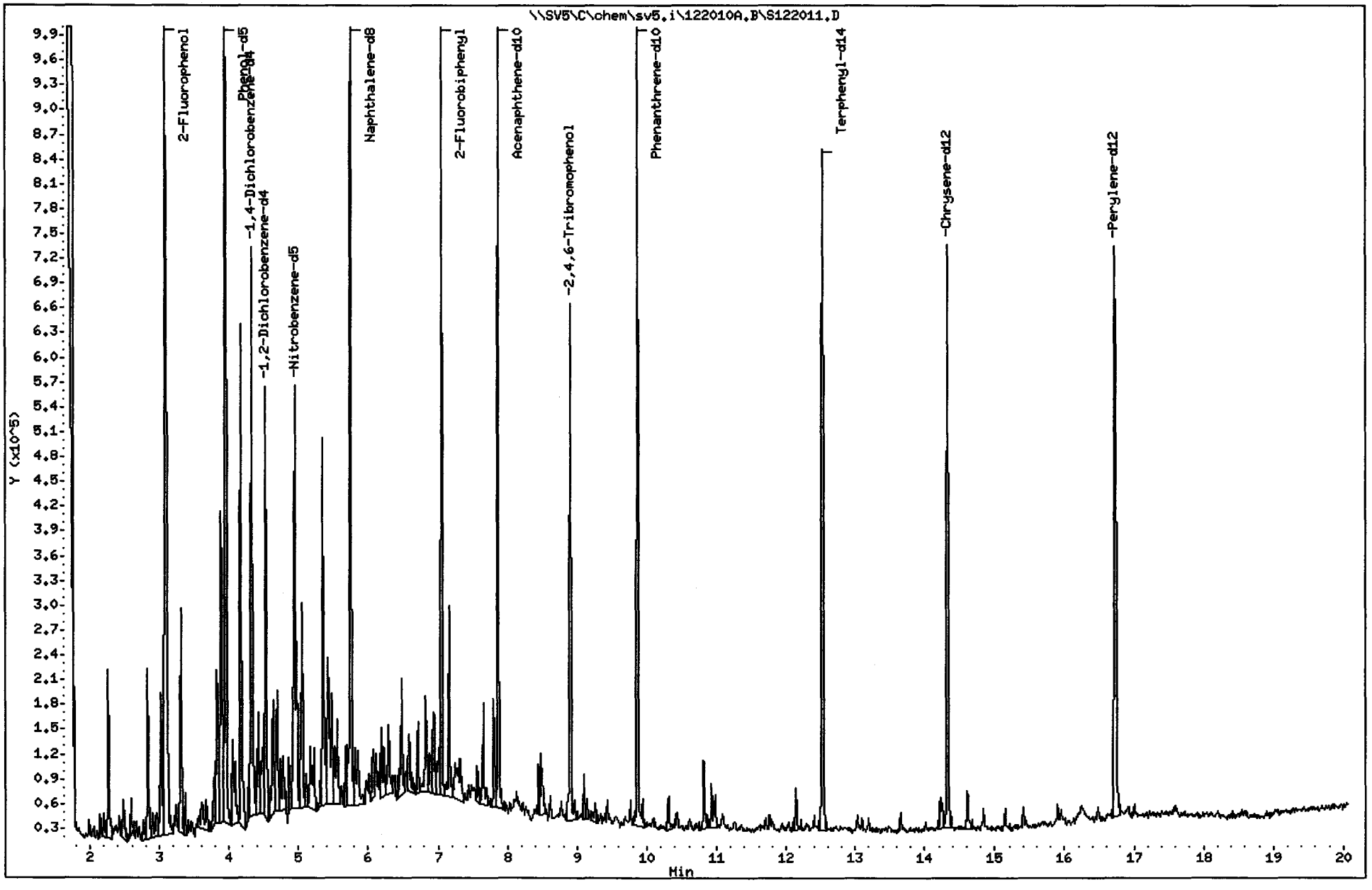
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG7A1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	69.10	69.10	41-105
$ 8 Phenol-d5	100.0	77.78	77.78	43-122
$ 10 1,2-Dichlorobenzen	50.00	30.90	61.80	60-120
$ 11 Nitrobenzene-d5	50.00	36.56	73.12	46-118
$ 12 2-Fluorobiphenyl	50.00	38.96	77.93	58-105
$ 13 2,4,6-Tribromophen	100.0	79.32	79.32	61-118
$ 14 Terphenyl-d14	50.00	35.67	71.34	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122011.D
Date : 20-DEC-2010 23:54
Client ID: 0351383
Sample Info: MCG7A1AA G0L170472-4;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122011.D

Date : 20-DEC-2010 23:54

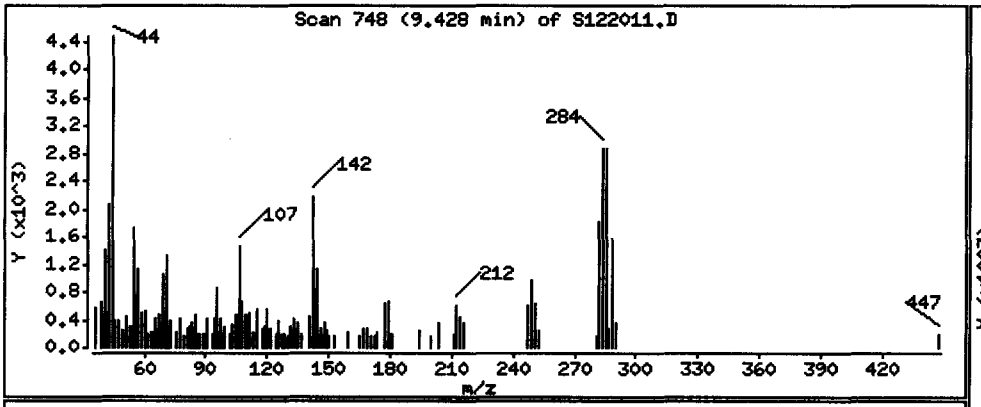
Client ID: 0351383 Instrument: sv5.i

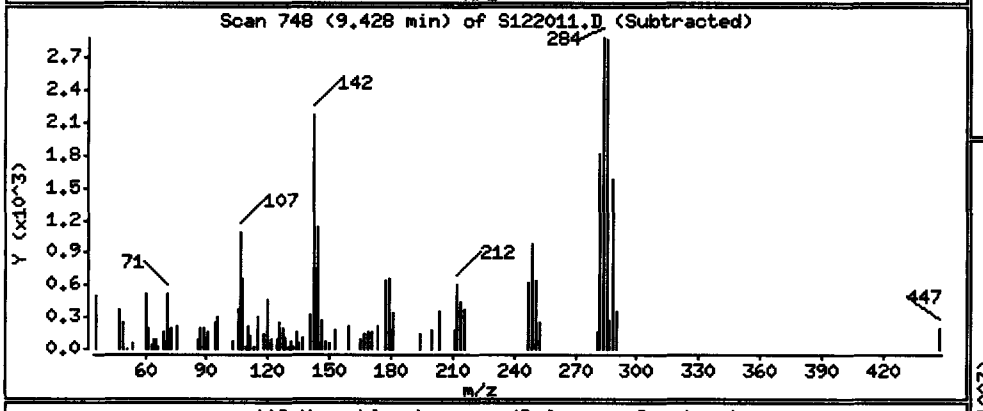
Sample Info: MCG7A1AA G0L170472-4;0;;;1000;;1000;5

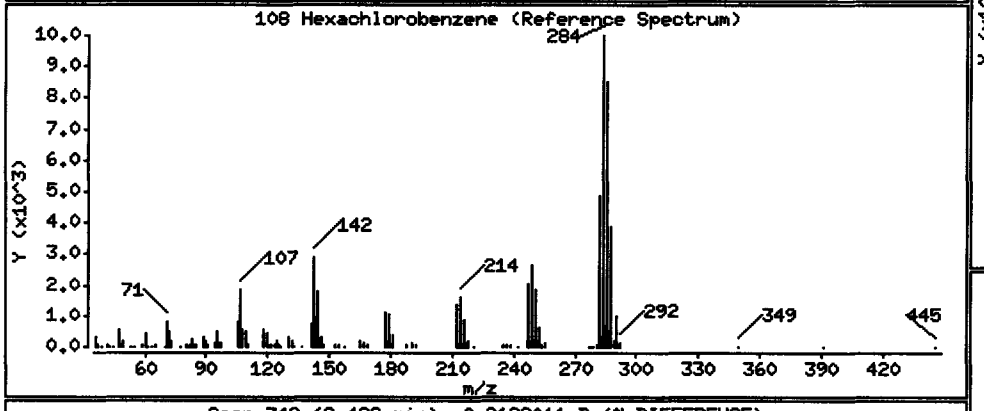
Volume Injected (uL): 1.0 Operator: KT

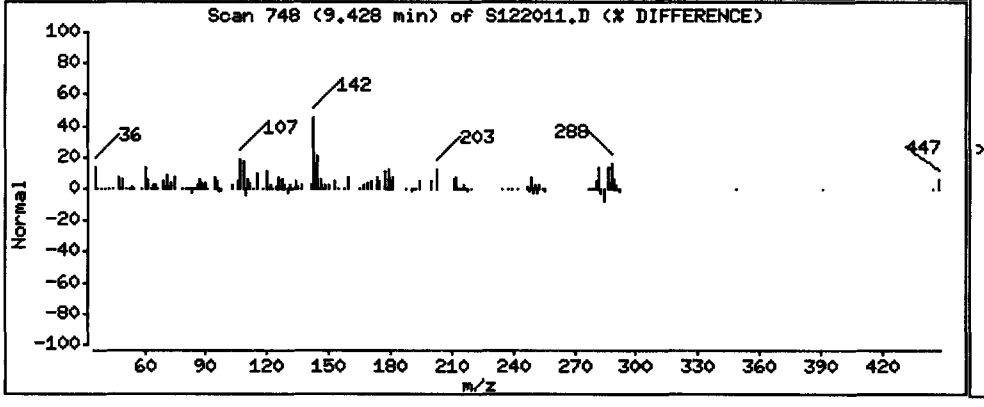
Column phase: Column diameter: 2.00

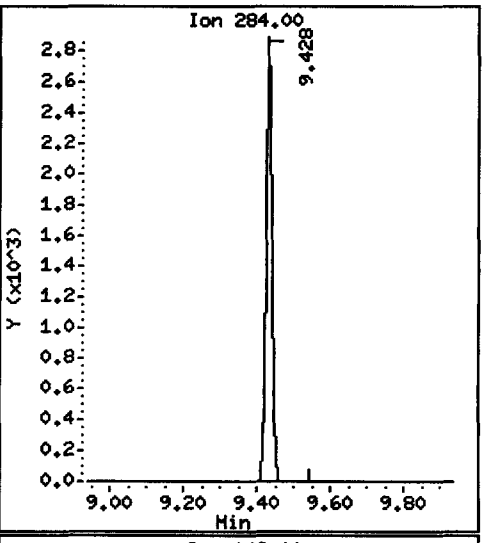
108 Hexachlorobenzene Concentration: 1.534 ug/L

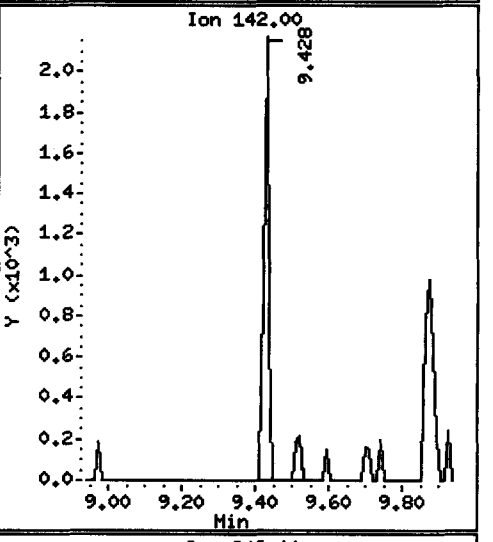


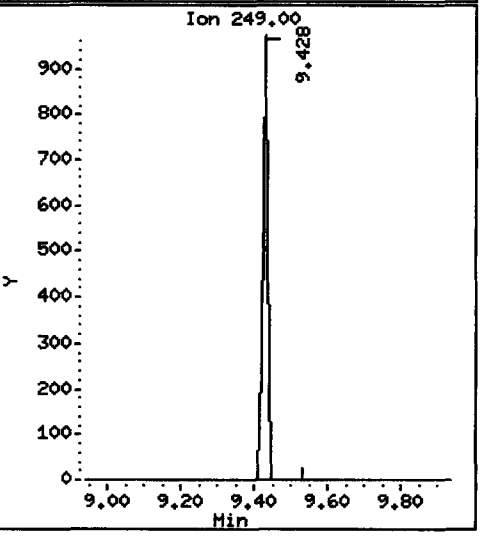












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122012.D
Lab Smp Id: MCG7J1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 00:19
Operator : KT Inst ID: sv5.i
Smp Info : MCG7J1AA G0L170472-7;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	CONCENTRATIONS FINAL (ug/L)	
*	1 1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	122197	40.0000		(Q)
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	553848	40.0000		
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	300985	40.0000		
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	471483	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	436696	40.0000		
*	6 Perylene-d12	264	16.723	16.733	(1.000)	400215	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	320361	67.9712	67.97	
$	8 Phenol-d5	99	3.956	3.945	(0.916)	472391	78.6715	78.67	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	84756	28.4867	28.49	(qR)
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	191249	37.9101	37.91	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	386798	41.1293	41.13	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	98136	84.6561	84.66	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	344434	38.3785	38.38	
	108 Hexachlorobenzene	284	9.438	9.438	(0.956)	1402	0.50911	0.5091	(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

12/22/10

QC Flag Legend

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

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG7J1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	67.97	67.97	41-105
$ 8 Phenol-d5	100.0	78.67	78.67	43-122
$ 10 1,2-Dichlorobenzen	50.00	28.49	56.97*	60-120
$ 11 Nitrobenzene-d5	50.00	37.91	75.82	46-118
$ 12 2-Fluorobiphenyl	50.00	41.13	82.26	58-105
$ 13 2,4,6-Tribromophen	100.0	84.66	84.66	61-118
$ 14 Terphenyl-d14	50.00	38.38	76.76	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122012.D
Lab Smp Id: MCG7J1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 00:19
Operator : KT Inst ID: sv5.i
Smp Info : MCG7J1AA G0L170472-7;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	122197	40.0000		(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	553848	40.0000		
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* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	471483	40.0000		
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	436696	40.0000		
* 6	Perylene-d12	264	16.723	16.733	(1.000)	400215	40.0000		
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	320361	67.9712	67.97	
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	472391	78.6715	78.67	
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	84756	28.4867	28.49	(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	191249	37.9101	37.91	
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	386798	41.1293	41.13	
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	98136	84.6561	84.66	
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	344434	38.3785	38.38	
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	1402	0.50911	0.5091	(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122012.D
Lab Smp Id: MCG7J1AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	122197	25.77
2 Naphthalene-d8	440574	220287	881148	553848	25.71
3 Acenaphthene-d10	234996	117498	469992	300985	28.08
4 Phenanthrene-d10	360879	180440	721758	471483	30.65
5 Chrysene-d12	342230	171115	684460	436696	27.60
6 Perylene-d12	320443	160222	640886	400215	24.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

TestAmerica West Sacramento

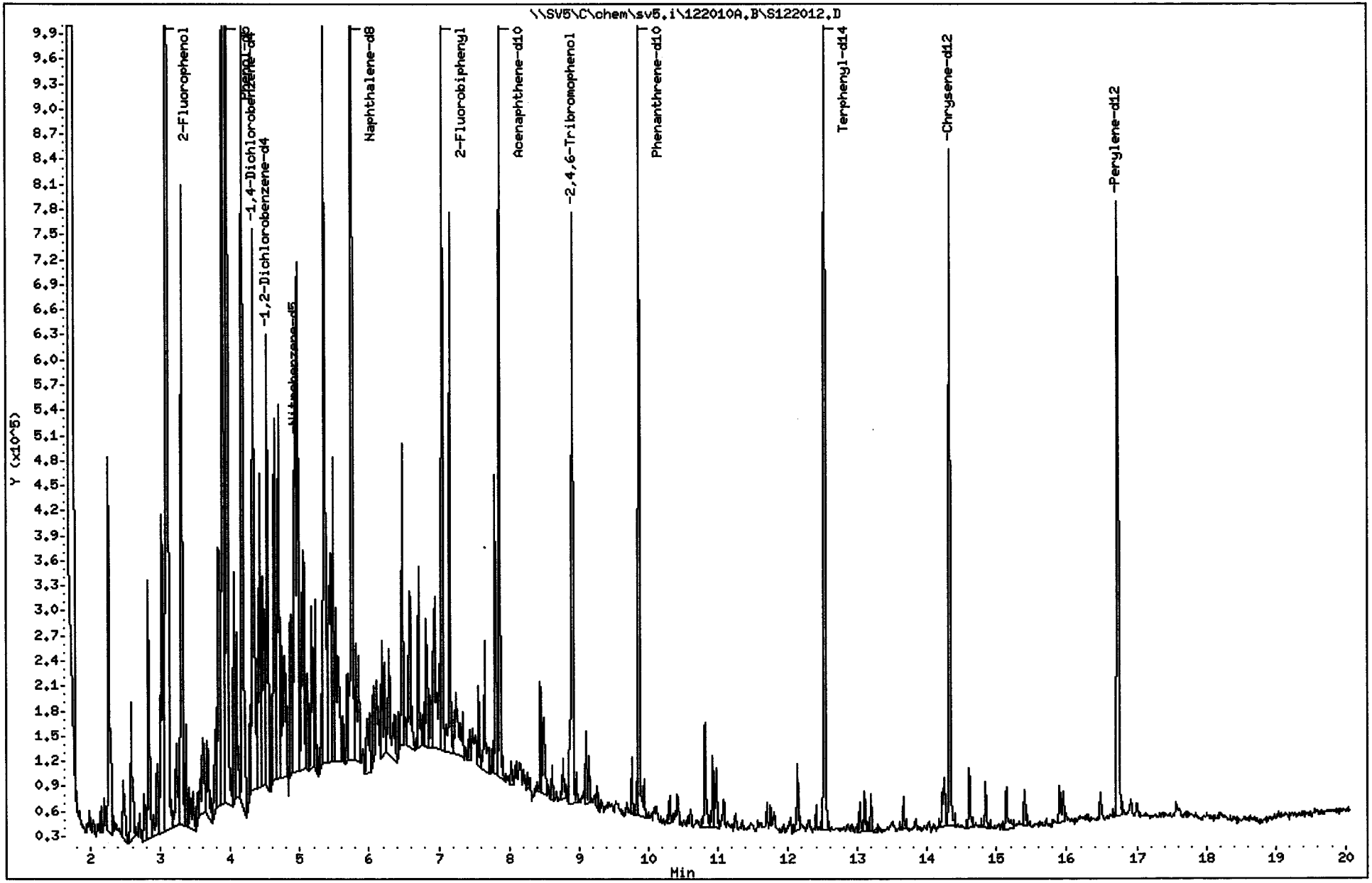
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG7J1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	67.97	67.97	41-105
$ 8 Phenol-d5	100.0	78.67	78.67	43-122
$ 10 1,2-Dichlorobenzen	50.00	28.49	56.97*	60-120
$ 11 Nitrobenzene-d5	50.00	37.91	75.82	46-118
$ 12 2-Fluorobiphenyl	50.00	41.13	82.26	58-105
$ 13 2,4,6-Tribromophen	100.0	84.66	84.66	61-118
$ 14 Terphenyl-d14	50.00	38.38	76.76	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122012.D
Date : 21-DEC-2010 00:19
Client ID: 0351383
Sample Info: MCG7J1AA G0L170472-7;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122012.D

Date : 21-DEC-2010 00:19

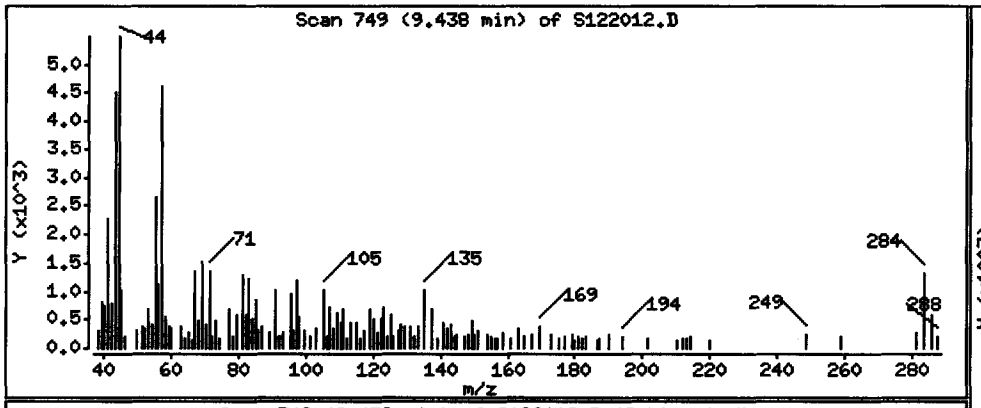
Client ID: 0351383 Instrument: sv5.i

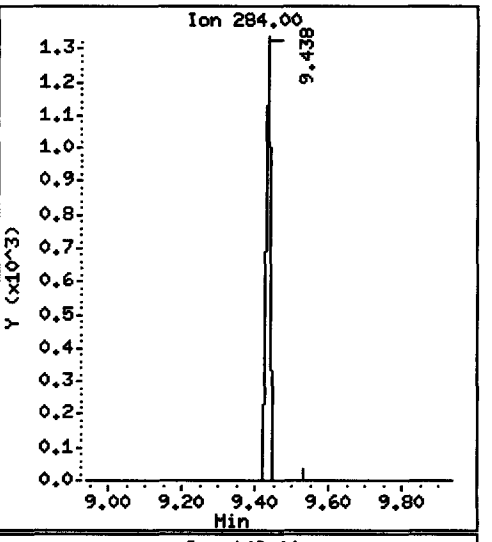
Sample Info: HCG7J1AA G0L170472-7;0;;;1000;;1000;5

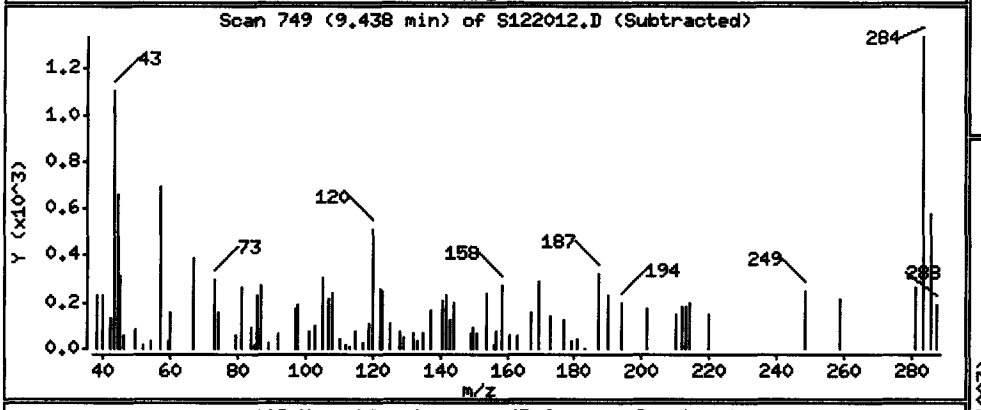
Volume Injected (uL): 1.0 Operator: KT

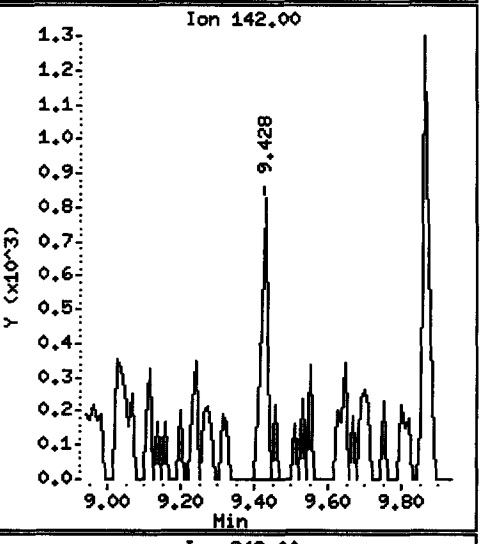
Column phase: Column diameter: 2.00

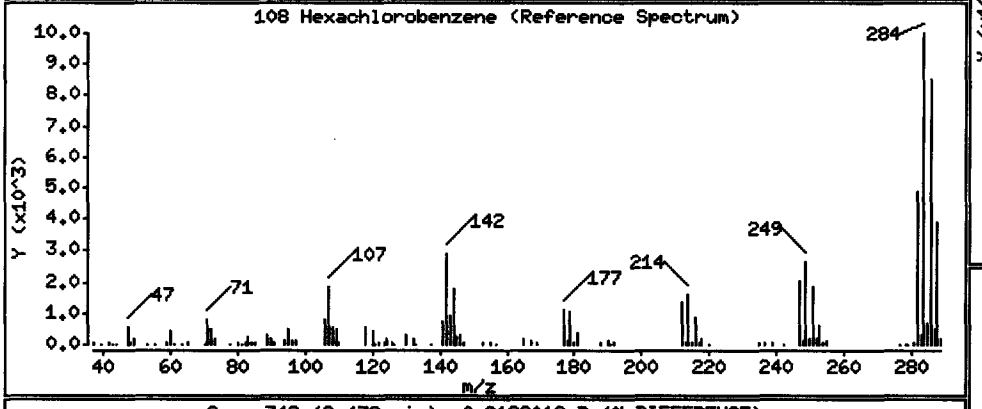
108 Hexachlorobenzene Concentration: 0.5091 ug/L

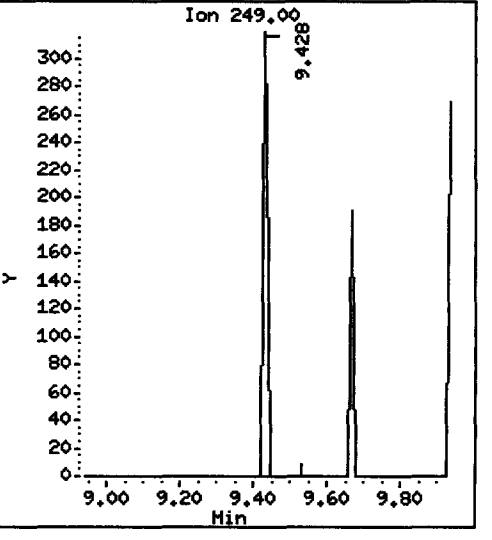


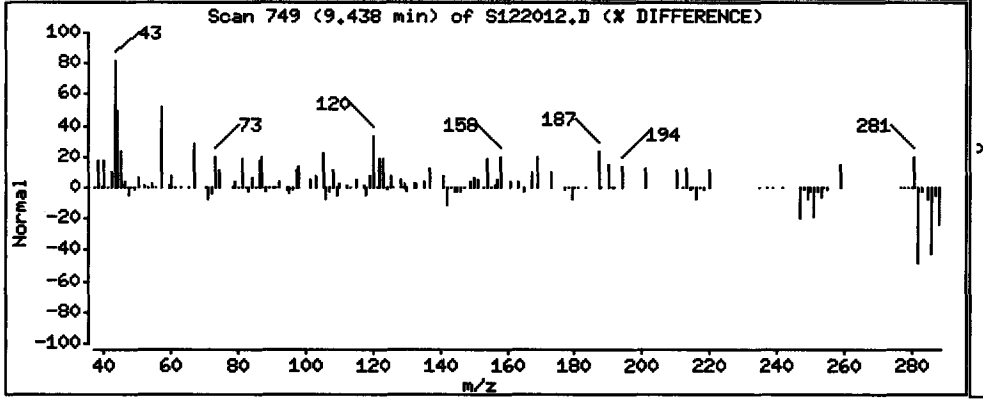












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122013.D
Lab Smp Id: MCG741AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 00:45
Operator : KT Inst ID: sv5.i
Smp Info : MCG741AA G0L170472-11;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
*	1 1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	108994	40.0000		(Q)
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	493132	40.0000		
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	268605	40.0000		
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	394911	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	362564	40.0000		
*	6 Perylene-d12	264	16.723	16.733	(1.000)	348946	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	250166	59.5075	59.51	
$	8 Phenol-d5	99	3.956	3.945	(0.916)	370814	69.2357	69.24	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	58959	22.2167	22.22	(qR)
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	136211	30.3246	30.32	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	280438	33.4145	33.41	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	84025	81.2211	81.22	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	288300	38.6920	38.69	
	108 Hexachlorobenzene	284	9.428	9.438	(0.955)	3775	1.63663	1.637	

12/22/10

QC Flag Legend

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

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG741AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.51	59.51	41-105
$ 8 Phenol-d5	100.0	69.24	69.24	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.22	44.43*	60-120
$ 11 Nitrobenzene-d5	50.00	30.32	60.65	46-118
$ 12 2-Fluorobiphenyl	50.00	33.41	66.83	58-105
$ 13 2,4,6-Tribromophen	100.0	81.22	81.22	61-118
$ 14 Terphenyl-d14	50.00	38.69	77.38	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122013.D
Lab Smp Id: MCG741AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 00:45
Operator : KT Inst ID: sv5.i
Smp Info : MCG741AA G0L170472-11;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)	
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	108994	40.0000		(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	493132	40.0000		
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	268605	40.0000		
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	394911	40.0000		
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	362564	40.0000		
* 6	Perylene-d12	264	16.723	16.733	(1.000)	348946	40.0000		
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	250166	59.5075	59.51	
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	370814	69.2357	69.24	
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	58959	22.2167	22.22	(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	136211	30.3246	30.32	
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	280438	33.4145	33.41	
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	84025	81.2211	81.22	
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	288300	38.6920	38.69	
108	Hexachlorobenzene	284	9.428	9.438	(0.955)	3775	1.63663	1.637	

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122013.D
Lab Smp Id: MCG741AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	108994	12.18
2 Naphthalene-d8	440574	220287	881148	493132	11.93
3 Acenaphthene-d10	234996	117498	469992	268605	14.30
4 Phenanthrene-d10	360879	180440	721758	394911	9.43
5 Chrysene-d12	342230	171115	684460	362564	5.94
6 Perylene-d12	320443	160222	640886	348946	8.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

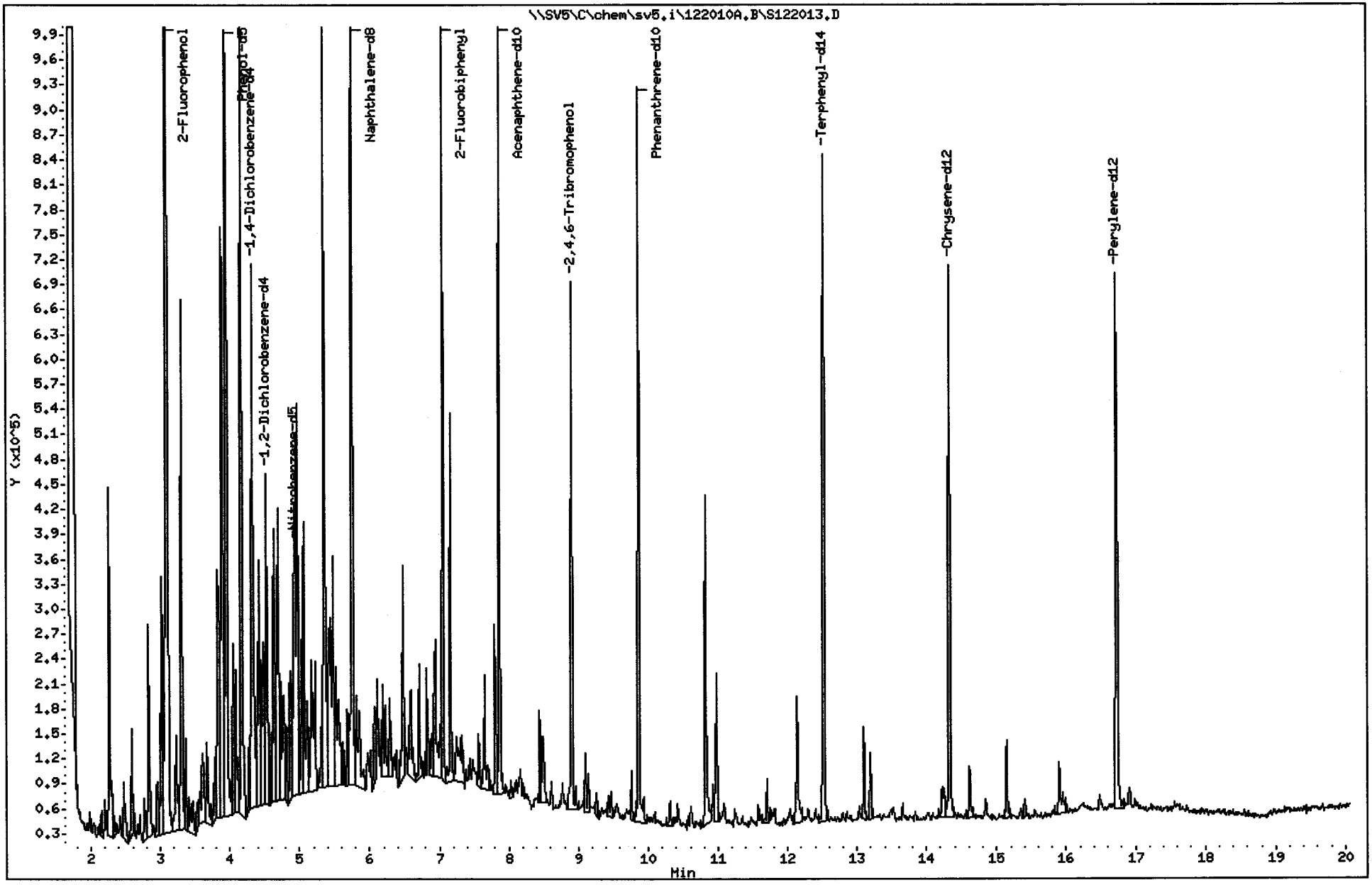
TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG741AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	59.51	59.51	41-105
$ 8 Phenol-d5	100.0	69.24	69.24	43-122
$ 10 1,2-Dichlorobenzen	50.00	22.22	44.43*	60-120
$ 11 Nitrobenzene-d5	50.00	30.32	60.65	46-118
$ 12 2-Fluorobiphenyl	50.00	33.41	66.83	58-105
$ 13 2,4,6-Tribromophen	100.0	81.22	81.22	61-118
$ 14 Terphenyl-d14	50.00	38.69	77.38	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122013.D
Date : 21-DEC-2010 00:45
Client ID: 0351383
Instrument: sv5.i
Sample Info: MCG741AA G0L170472-11;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Operator: KT
Column phase:
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122013.D

Date : 21-DEC-2010 00:45

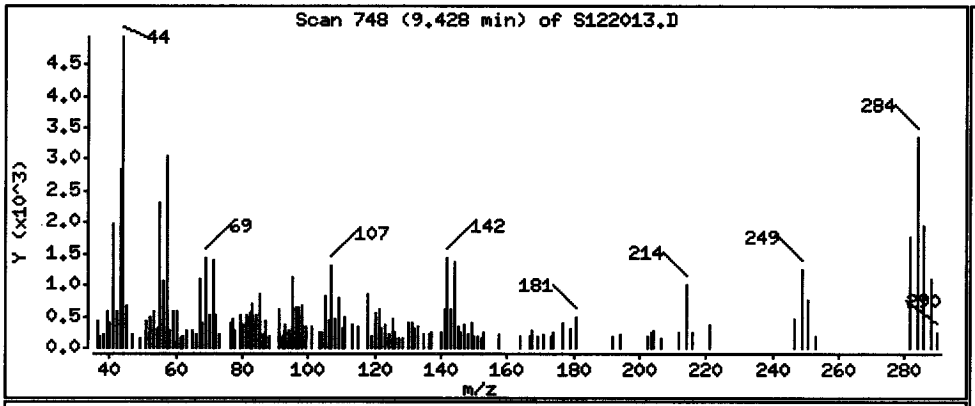
Client ID: 0351383 Instrument: sv5.i

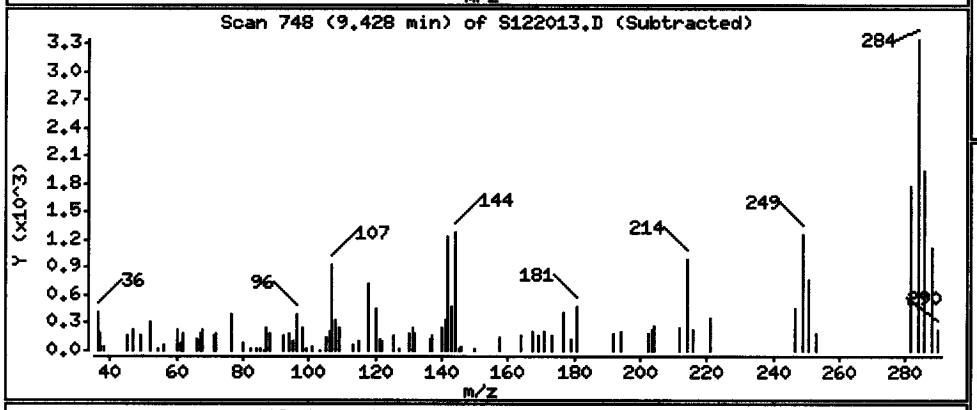
Sample Info: MCG741AA G0L170472-11;0;;;1000;;1000;5

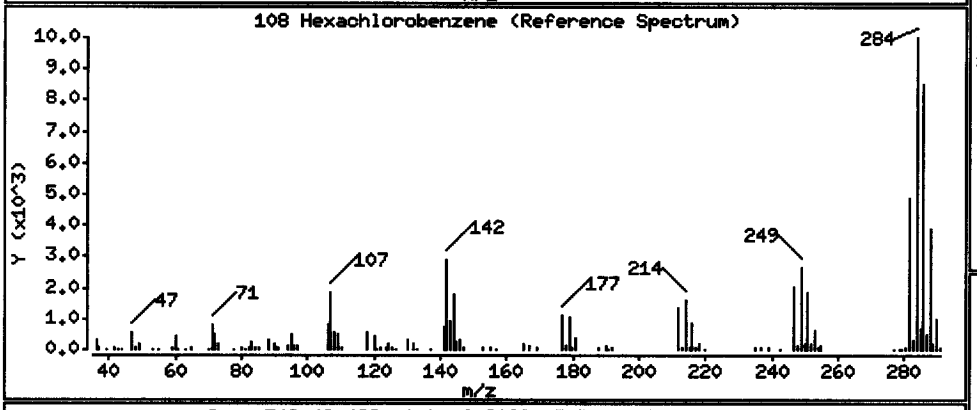
Volume Injected (uL): 1.0 Operator: KT

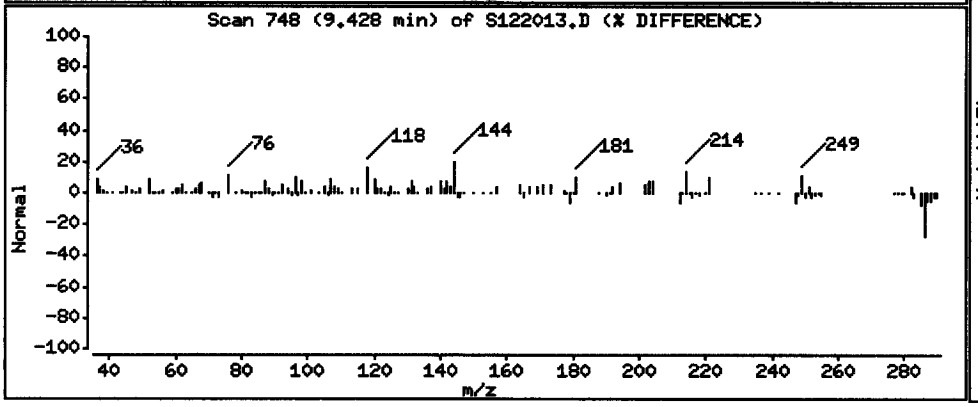
Column phase: Column diameter: 2.00

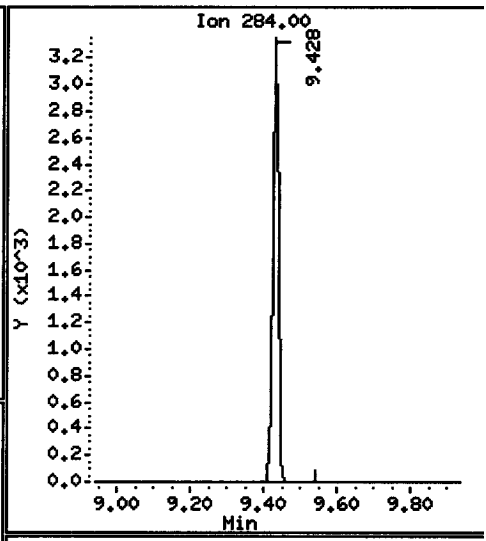
108 Hexachlorobenzene Concentration: 1.637 ug/L

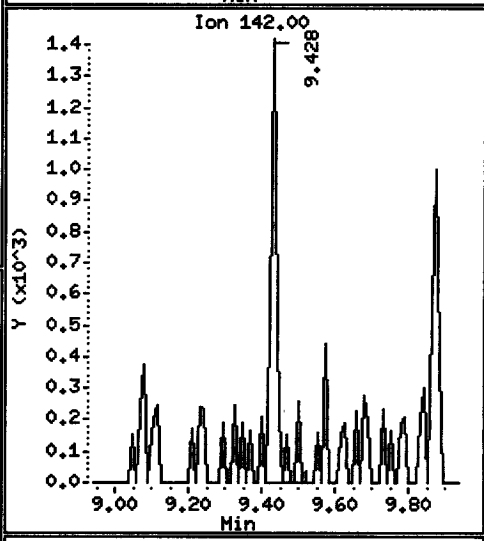


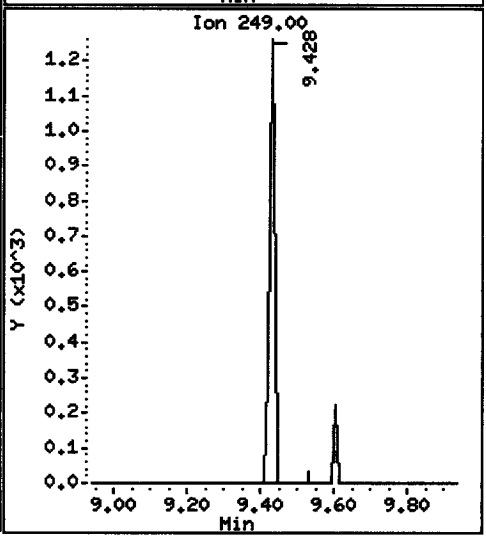












TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122014.D
Lab Smp Id: MCG8A1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 01:10
Operator : KT Inst ID: sv5.i
Smp Info : MCG8A1AA G0L170472-14;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	106516	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	481214	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	259781	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	403357	40.0000	
* 5	Chrysene-d12	240	14.319	14.329	(1.000)	345523	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	323318	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	291131	70.8630	70.86
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	426006	81.3912	81.39
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	75229	29.0070	29.01(QR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	164866	37.6131	37.61
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	332043	40.9071	40.91
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	90182	90.1337	90.13(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.875)	295446	41.6067	41.61
108	Hexachlorobenzene	284	Compound Not Detected.					

12/22/10

QC Flag Legend

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

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG8A1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	70.86	70.86	41-105
$ 8 Phenol-d5	100.0	81.39	81.39	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.01	58.01*	60-120
$ 11 Nitrobenzene-d5	50.00	37.61	75.23	46-118
$ 12 2-Fluorobiphenyl	50.00	40.91	81.81	58-105
$ 13 2,4,6-Tribromophen	100.0	90.13	90.13	61-118
$ 14 Terphenyl-d14	50.00	41.61	83.21	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122014.D
Lab Smp Id: MCG8A1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 01:10
Operator : KT Inst ID: sv5.i
Smp Info : MCG8A1AA G0L170472-14;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.318	(1.000)	106516	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	481214	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	259781	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	403357	40.0000	
* 5	Chrysene-d12	240	14.319	14.329	(1.000)	345523	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	323318	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	291131	70.8630	70.86
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	426006	81.3912	81.39
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	75229	29.0070	29.01(QR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	164866	37.6131	37.61
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	332043	40.9071	40.91
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	90182	90.1337	90.13(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.875)	295446	41.6067	41.61
108	Hexachlorobenzene	284	Compound Not Detected.					

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122014.D
Lab Smp Id: MCG8A1AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	106516	9.63
2 Naphthalene-d8	440574	220287	881148	481214	9.22
3 Acenaphthene-d10	234996	117498	469992	259781	10.55
4 Phenanthrene-d10	360879	180440	721758	403357	11.77
5 Chrysene-d12	342230	171115	684460	345523	0.96
6 Perylene-d12	320443	160222	640886	323318	0.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.32	-0.07
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

TestAmerica West Sacramento

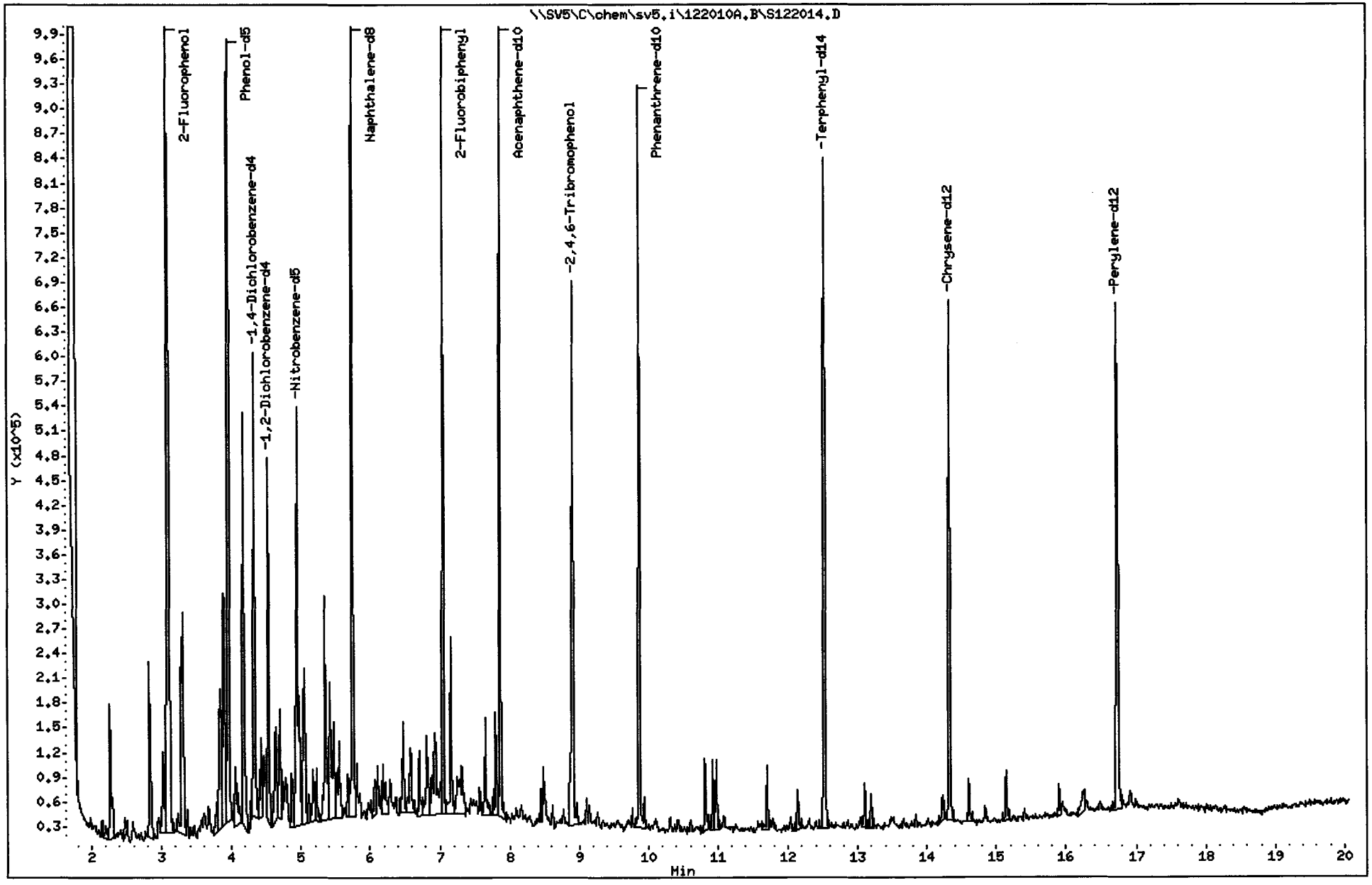
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG8A1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	70.86	70.86	41-105
$ 8 Phenol-d5	100.0	81.39	81.39	43-122
$ 10 1,2-Dichlorobenzen	50.00	29.01	58.01*	60-120
$ 11 Nitrobenzene-d5	50.00	37.61	75.23	46-118
$ 12 2-Fluorobiphenyl	50.00	40.91	81.81	58-105
$ 13 2,4,6-Tribromophen	100.0	90.13	90.13	61-118
$ 14 Terphenyl-d14	50.00	41.61	83.21	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122014.D
Date : 21-DEC-2010 01:10
Client ID: 0351383
Sample Info: MCG8A1AA G0L170472-14;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\S122015.D
Lab Smp Id: MCG8G1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 01:36
Operator : KT Inst ID: sv5.i
Smp Info : MCG8G1AA G0L170472-16;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Meth Date : 21-Dec-2010 15:38 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SACP307UM

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	119244	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	545412	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	298963	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	484031	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	468664	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	453409	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	287835	62.5825	62.58
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	433590	73.9979	74.00
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	78974	27.2007	27.20(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	168081	33.8329	33.83
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	360606	38.6036	38.60
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	105681	91.7813	91.78(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	382409	39.7034	39.70
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	802	0.28368	0.2837(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

12/22/10

QC Flag Legend

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

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG8G1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270f.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.58	62.58	41-105
$ 8 Phenol-d5	100.0	74.00	74.00	43-122
$ 10 1,2-Dichlorobenzen	50.00	27.20	54.40*	60-120
$ 11 Nitrobenzene-d5	50.00	33.83	67.67	46-118
$ 12 2-Fluorobiphenyl	50.00	38.60	77.21	58-105
$ 13 2,4,6-Tribromophen	100.0	91.78	91.78	61-118
$ 14 Terphenyl-d14	50.00	39.70	79.41	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\S122015.D
Lab Smp Id: MCG8G1AA G0L170472- Client Smp ID: 0351383
Inj Date : 21-DEC-2010 01:36
Operator : KT Inst ID: sv5.i
Smp Info : MCG8G1AA G0L170472-16;0;;;1000;;1000;5
Misc Info : 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M
Comment : SOP SAC-MS-0005
Method : \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Meth Date : 21-Dec-2010 14:06 onishim Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	119244	40.0000	(Q)
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	545412	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	298963	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	484031	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	468664	40.0000	
* 6	Perylene-d12	264	16.723	16.733	(1.000)	453409	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	287835	62.5825	62.58
$ 8	Phenol-d5	99	3.956	3.945	(0.916)	433590	73.9979	74.00
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	78974	27.2007	27.20(qR)
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	168081	33.8329	33.83
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	360606	38.6036	38.60
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	105681	91.7813	91.78(q)
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	382409	39.7034	39.70
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	802	0.28368	0.2837(aQ)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: S122015.D
Lab Smp Id: MCG8G1AA G0L170472-
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 21:46
Client Smp ID: 0351383
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	119244	22.73
2 Naphthalene-d8	440574	220287	881148	545412	23.80
3 Acenaphthene-d10	234996	117498	469992	298963	27.22
4 Phenanthrene-d10	360879	180440	721758	484031	34.13
5 Chrysene-d12	342230	171115	684460	468664	36.94
6 Perylene-d12	320443	160222	640886	453409	41.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	-0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	-0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	-0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	-0.00
6 Perylene-d12	16.73	16.23	17.23	16.72	-0.06

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

TestAmerica West Sacramento

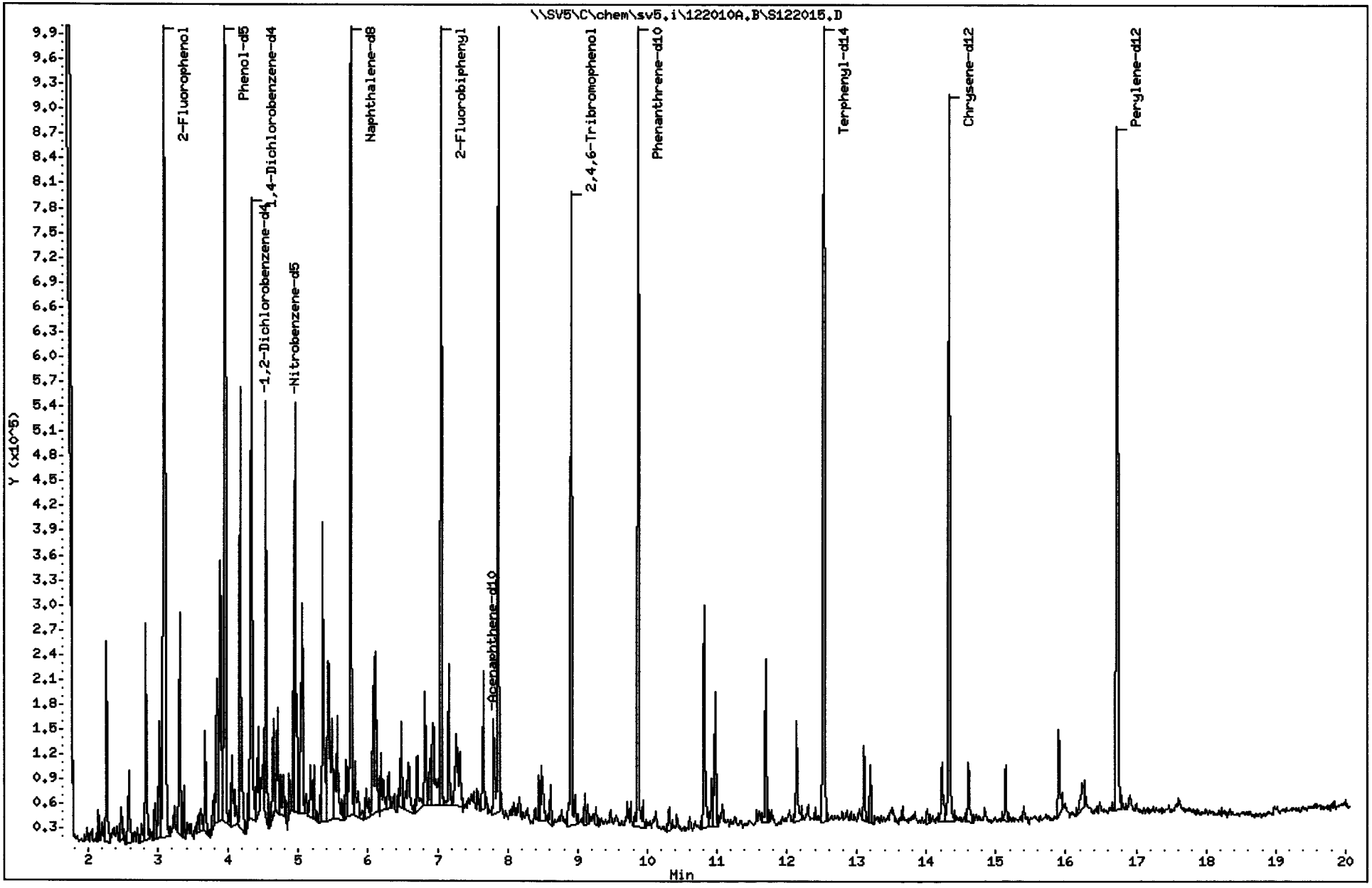
RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCG8G1AA G0L170472- Client Smp ID: 0351383
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\122010A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;;0;0351383;8270F.M

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	62.58	62.58	41-105
$ 8 Phenol-d5	100.0	74.00	74.00	43-122
$ 10 1,2-Dichlorobenzen	50.00	27.20	54.40*	60-120
$ 11 Nitrobenzene-d5	50.00	33.83	67.67	46-118
$ 12 2-Fluorobiphenyl	50.00	38.60	77.21	58-105
$ 13 2,4,6-Tribromophen	100.0	91.78	91.78	61-118
$ 14 Terphenyl-d14	50.00	39.70	79.41	69-110

Data File: \\SV5\C\chem\sv5.i\122010A.B\S122015.D
Date : 21-DEC-2010 01:36
Client ID: 0351383
Sample Info: MCG8G1AA G0L170472-16;0;;;1000;;1000;5
Volume Injected (uL): 1.0
Column phase:

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



Data File: \\SV5\C\chem\sv5.i\122010A.B\S122015.D

Date : 21-DEC-2010 01:36

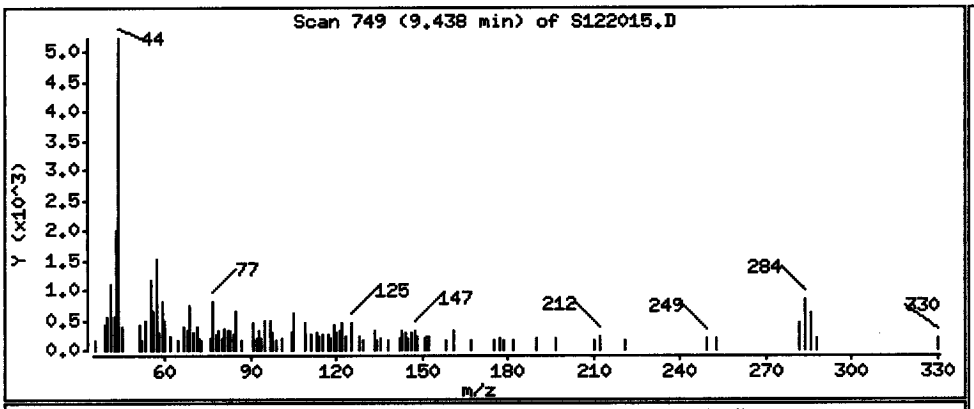
Client ID: 0351383 Instrument: sv5.i

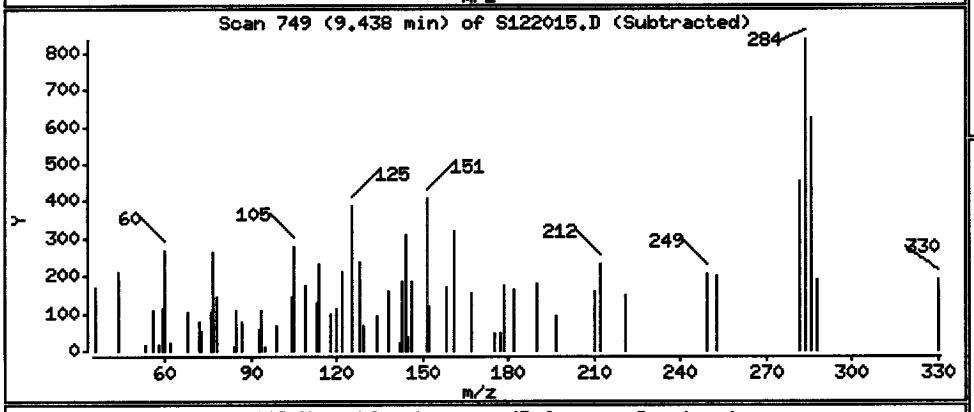
Sample Info: MCG8G1AA G0L170472-16;0;;;1000;;1000;5

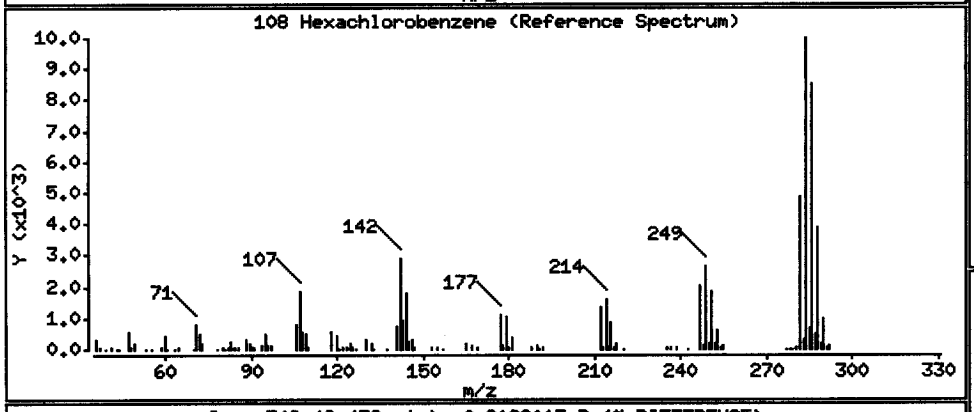
Volume Injected (uL): 1.0 Operator: KT

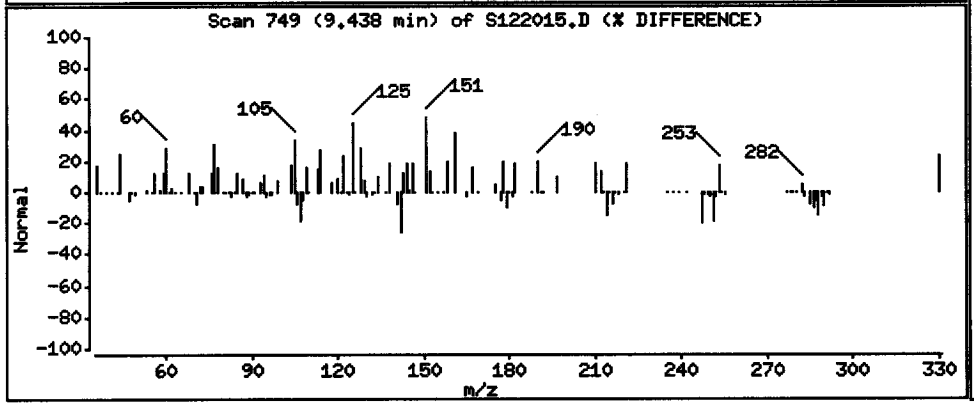
Column phase: Column diameter: 2.00

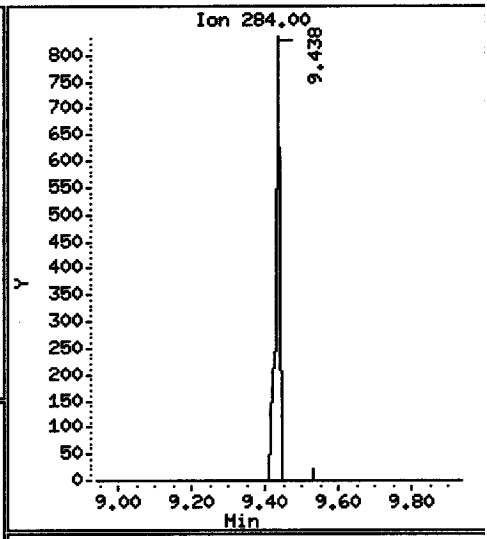
108 Hexachlorobenzene Concentration: 0.2837 ug/L

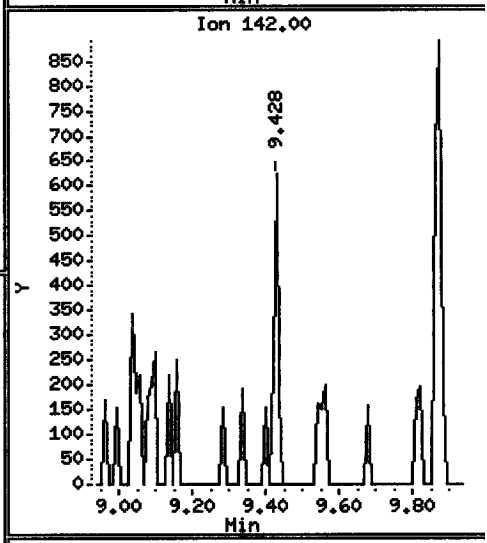


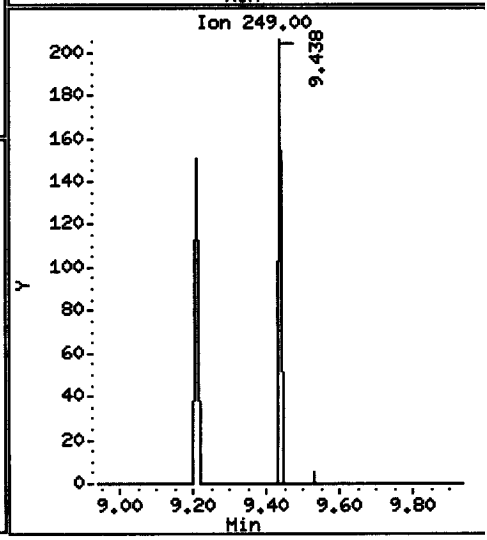












TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

8270C CCV Checklist

Instrument: SV5

ICAL Date: 12/20/10 DFTPP ID: DFT1222A

Initiator/Date: KT-12/23/10 Standard ID: HSL1222A

Reviewer/Date: 12/23/10 NCM #: N/A

I: 8270C Criteria

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

II: 8270C SPCC Check

SPCC RRFs must be greater than 0.050

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

III: 8270C CCC Check

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

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

IV: AFCEE 3.1 and 4.0 QAPP Criteria

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

Note: Hexachlorobenzene only.

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V: DOD QSM V3 Criteria

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

Note: Hexachlorobenzene only

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 22-DEC-2010 20:42
Lab File ID: HSL1222.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 18:28
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\122210A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.54282	1.44607	1.44607	0.010	-6.27075	50.00000	Averaged
$ 8 Phenol-d5	1.96555	1.88316	1.88316	0.010	-4.19137	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.67694	1.65996	1.65996	0.010	-1.01264	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97393	0.99393	0.99393	0.010	2.05378	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.36435	0.33817	0.33817	0.010	-7.18335	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.24982	1.21901	1.21901	0.010	-2.46518	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15406	0.15756	0.15756	0.010	2.27442	50.00000	Averaged
$ 14 Terphenyl-d14	0.82205	0.78198	0.78198	0.010	-4.87396	50.00000	Averaged
15 N-Nitrosodimethylamine	1.12338	1.07511	1.07511	0.010	-4.29733	50.00000	Averaged
16 Pyridine	1.82311	1.81671	1.81671	0.010	-0.35090	50.00000	Averaged
23 Aniline	2.60540	2.52108	2.52108	0.010	-3.23629	50.00000	Averaged
24 Phenol	2.06659	1.93192	1.93192	0.010	-6.51660	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.70932	1.72741	1.72741	0.010	1.05824	50.00000	Averaged
27 2-Chlorophenol	1.60056	1.63487	1.63487	0.010	2.14394	50.00000	Averaged
28 1,3-Dichlorobenzene	1.72139	1.65069	1.65069	0.010	-4.10720	50.00000	Averaged
29 1,4-Dichlorobenzene	1.77216	1.72926	1.72926	0.010	-2.42114	20.00000	Averaged
30 Benzyl Alcohol	1.13046	1.09717	1.09717	0.010	-2.94533	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66375	1.64241	1.64241	0.010	-1.28239	50.00000	Averaged
32 2-Methylphenol	1.54339	1.53125	1.53125	0.010	-0.78624	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	3.31239	3.21027	3.21027	0.010	-3.08294	50.00000	Averaged
34 4-Methylphenol	1.61569	1.56991	1.56991	0.010	-2.83338	50.00000	Averaged
36 Hexachloroethane	0.71159	0.71514	0.71514	0.010	0.49960	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.31482	1.22837	1.22837	0.050	-6.57531	50.00000	Averaged
42 Nitrobenzene	0.38619	0.34970	0.34970	0.010	-9.44721	50.00000	Averaged
44 Isophorone	0.70530	0.67571	0.67571	0.010	-4.19523	50.00000	Averaged
45 2-Nitrophenol	0.16608	0.17375	0.17375	0.010	4.61733	20.00000	Averaged
46 2,4-Dimethyphenol	0.36665	0.35511	0.35511	0.010	-3.14701	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.44103	0.41599	0.41599	0.010	-5.67694	50.00000	Averaged
49 2,4-Dichlorophenol	0.26358	0.25497	0.25497	0.010	-3.26804	20.00000	Averaged
50 Benzoic Acid	50.00000	56.20953	0.16459	0.010	12.41905	0.000e+000	Quadratic
51 1,2,4-Trichlorobenzene	0.30149	0.29290	0.29290	0.010	-2.84998	50.00000	Averaged
52 Naphthalene	1.10059	1.06383	1.06383	0.010	-3.34052	50.00000	Averaged
54 4-Chloroaniline	0.43747	0.41375	0.41375	0.010	-5.42161	50.00000	Averaged
57 Hexachlorobutadiene	0.15165	0.14886	0.14886	0.010	-1.84067	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30682	0.29356	0.29356	0.010	-4.32054	20.00000	Averaged
63 2-Methylnaphthalene	0.66816	0.63765	0.63765	0.010	-4.56624	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29552	0.30935	0.30935	0.050	4.67982	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.28929	0.28811	0.28811	0.010	-0.40930	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32366	0.34837	0.34837	0.010	7.63152	50.00000	Averaged
71 2-Chloronaphthalene	1.14210	1.10960	1.10960	0.010	-2.84576	50.00000	Averaged
73 2-Nitroaniline	0.39764	0.40426	0.40426	0.010	1.66479	50.00000	Averaged
76 Dimethylphthalate	1.32813	1.30677	1.30677	0.010	-1.60824	50.00000	Averaged

Hexachlorobenzene only.

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 22-DEC-2010 20:42
Lab File ID: HSL1222.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 18:28
Lab Sample ID: HSL_050 ug/ml CS-4 Quant Type: ISTD
Method: \\SV5\C\chem\sv5.i\122210A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
77 Acenaphthylene	1.84415	1.78756	1.78756	0.010	-3.06847	50.00000	Averaged
79 2,6-Dinitrotoluene	0.26964	0.27712	0.27712	0.010	2.77205	50.00000	Averaged
80 3-Nitroaniline	0.33567	0.33694	0.33694	0.010	0.38019	50.00000	Averaged
81 Acenaphthene	1.24366	1.22153	1.22153	0.010	-1.77957	20.00000	Averaged
82 2,4-Dinitrophenol	50.00000	65.93891	0.12191	0.050	31.87783	0.000e+000	Quadratic
83 Dibenzofuran	1.59847	1.59034	1.59034	0.010	-0.50830	50.00000	Averaged
84 4-Nitrophenol	0.15401	0.14757	0.14757	0.050	-4.17584	50.00000	Averaged
86 2,4-Dinitrotoluene	50.00000	52.70418	0.36365	0.010	5.40835	0.000e+000	Quadratic
91 Fluorene	1.32629	1.31899	1.31899	0.010	-0.55071	50.00000	Averaged
92 Diethylphthalate	1.32280	1.28643	1.28643	0.010	-2.74930	50.00000	Averaged
93 4-Chlorophenyl-phenylether	0.58441	0.57642	0.57642	0.010	-1.36756	50.00000	Averaged
94 4-Nitroaniline	0.32079	0.33382	0.33382	0.010	4.06474	50.00000	Averaged
97 4,6-Dinitro-2-methylphenol	50.00000	58.11250	0.10817	0.010	16.22500	0.000e+000	Quadratic
98 N-Nitrosodiphenylamine	0.59011	0.57686	0.57686	0.010	-2.24628	20.00000	Averaged
100 Azobenzene	0.99390	0.95942	0.95942	0.010	-3.46911	50.00000	Averaged
101 4-Bromophenyl-phenylether	0.20707	0.19894	0.19894	0.010	-3.92434	50.00000	Averaged
108 Hexachlorobenzene	0.23363	0.22648	0.22648	0.010	-3.06187	50.00000	Averaged
110 Pentachlorophenol	0.10414	0.11975	0.11975	0.010	14.99532	20.00000	Averaged
114 Phenanthrene	1.23355	1.18292	1.18292	0.010	-4.10421	50.00000	Averaged
115 Anthracene	1.23023	1.26666	1.26666	0.010	2.96100	50.00000	Averaged
118 Carbazole	1.13713	1.12451	1.12451	0.010	-1.11048	50.00000	Averaged
120 Di-n-Butylphthalate	1.38425	1.41530	1.41530	0.010	2.24278	50.00000	Averaged
126 Fluoranthene	1.15570	1.18585	1.18585	0.010	2.60839	20.00000	Averaged
127 Benzidine	0.77141	0.73503	0.73503	0.010	-4.71617	50.00000	Averaged
128 Pyrene	1.35569	1.30333	1.30333	0.010	-3.86244	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71294	0.74863	0.74863	0.010	5.00515	50.00000	Averaged
136 Butylbenzylphthalate	0.61981	0.63286	0.63286	0.010	2.10431	50.00000	Averaged
138 Benzo(a)Anthracene	1.07296	1.02224	1.02224	0.010	-4.72706	50.00000	Averaged
139 Chrysene	1.09212	1.09265	1.09265	0.010	0.04783	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40603	0.43852	0.43852	0.010	8.00248	50.00000	Averaged
141 bis(2-ethylhexyl)Phthalate	0.86864	0.89990	0.89990	0.010	3.59800	50.00000	Averaged
142 Di-n-octylphthalate	1.35263	1.46588	1.46588	0.010	8.37222	20.00000	Averaged
144 Benzo(b)fluoranthene	1.07188	1.12296	1.12296	0.010	4.76559	50.00000	Averaged
145 Benzo(k)fluoranthene	1.20746	1.20590	1.20590	0.010	-0.12882	50.00000	Averaged
147 Benzo(e)pyrene	1.03521	1.00115	1.00115	0.010	-3.28989	50.00000	Averaged
148 Benzo(a)pyrene	1.10378	1.12282	1.12282	0.010	1.72546	20.00000	Averaged
151 Indeno(1,2,3-cd)pyrene	0.90971	0.89182	0.89182	0.010	-1.96643	50.00000	Averaged
152 Dibenzo(a,h)anthracene	0.97939	1.01230	1.01230	0.010	3.36029	50.00000	Averaged
153 Benzo(g,h,i)perylene	1.01801	1.03236	1.03236	0.010	1.40930	50.00000	Averaged
M 162 benzo b,k Fluoranthene Tota	2.27933	2.32886	2.32886	0.010	2.17282	50.00000	Averaged

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 : 122210A.B
ICAL Date: See Calib Report
See raw data for standard IDs

Date	Time	USER	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	MTH	Comments
22-DEC-2010	20:22	KT	DFTPP 50ug/ml	DFT1222.D	NA	NA	NA		
22-DEC-2010	20:42	KT	HSL_050 ug/ml CS-4	HSL1222.D	NA	NA	NA		
22-DEC-2010	21:08	KT	MCJNQ1QAD G0L170000-383L	S122201.D	1000 Sa	1 mL	1	JZ	

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122210A.B\HSL1222.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 22-DEC-2010 20:42
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\122210A.B\8270f.m
Meth Date : 23-Dec-2010 12:40 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.308	4.308	(1.000)	98216	40.0000	
* 2	Naphthalene-d8	136	5.728	5.728	(1.000)	460530	40.0000	
* 3	Acenaphthene-d10	164	7.852	7.852	(1.000)	254076	40.0000	
* 4	Phenanthrene-d10	188	9.852	9.852	(1.000)	396705	40.0000	
* 5	Chrysene-d12	240	14.298	14.298	(1.000)	394846	40.0000	
* 6	Perylene-d12	264	16.702	16.702	(1.000)	380192	40.0000	
$ 7	2-Fluorophenol	112	3.075	3.075	(0.714)	177534	50.0000	46.86
$ 8	Phenol-d5	99	3.945	3.945	(0.916)	231196	50.0000	47.90
$ 9	2-Chlorophenol-d4	132	4.101	4.101	(0.952)	203793	50.0000	49.49
$ 10	1,2-Dichlorobenzene-d4	152	4.515	4.515	(1.048)	122025	50.0000	51.03
$ 11	Nitrobenzene-d5	82	4.940	4.940	(0.863)	194674	50.0000	46.41
$ 12	2-Fluorobiphenyl	172	7.044	7.044	(0.897)	387152	50.0000	48.77
$ 13	2,4,6-Tribromophenol	330	8.889	8.889	(1.132)	50041	50.0000	51.14
$ 14	Terphenyl-d14	244	12.505	12.505	(0.875)	385954	50.0000	47.56
15	N-Nitrosodimethylamine	74	2.049	2.049	(0.476)	131991	50.0000	47.85
16	Pyridine	79	2.070	2.070	(0.480)	223038	50.0000	49.82
23	Aniline	93	4.008	4.008	(0.930)	309513	50.0000	48.38
24	Phenol	94	3.956	3.956	(0.918)	237182	50.0000	46.74
26	Bis(2-chloroethyl)ether	93	4.059	4.059	(0.942)	212074	50.0000	50.53
27	2-Chlorophenol	128	4.122	4.122	(0.957)	200713	50.0000	51.07
28	1,3-Dichlorobenzene	146	4.277	4.277	(0.993)	202655	50.0000	47.95
29	1,4-Dichlorobenzene	146	4.329	4.329	(1.005)	212301	50.0000	48.79
30	Benzyl Alcohol	108	4.463	4.463	(1.036)	134699	50.0000	48.53
31	1,2-Dichlorobenzene	146	4.536	4.536	(1.053)	201639	50.0000	49.36
32	2-Methylphenol	108	4.598	4.598	(1.067)	187992	50.0000	49.61
33	2,2'-oxybis(1-Chloropropane)	45	4.640	4.640	(1.077)	394125	50.0000	48.46
34	4-Methylphenol	108	4.754	4.754	(1.103)	192738	50.0000	48.58
36	Hexachloroethane	117	4.868	4.868	(1.130)	87798	50.0000	50.25
37	N-Nitrosodinpropylamine	70	4.795	4.795	(1.113)	150807	50.0000	46.71
42	Nitrobenzene	77	4.961	4.961	(0.866)	201310	50.0000	45.28
44	Isophorone	82	5.220	5.220	(0.911)	388979	50.0000	47.90
45	2-Nitrophenol	139	5.324	5.324	(0.929)	100019	50.0000	52.31
46	2,4-Dimethyphenol	107	5.355	5.355	(0.935)	204425	50.0000	48.43

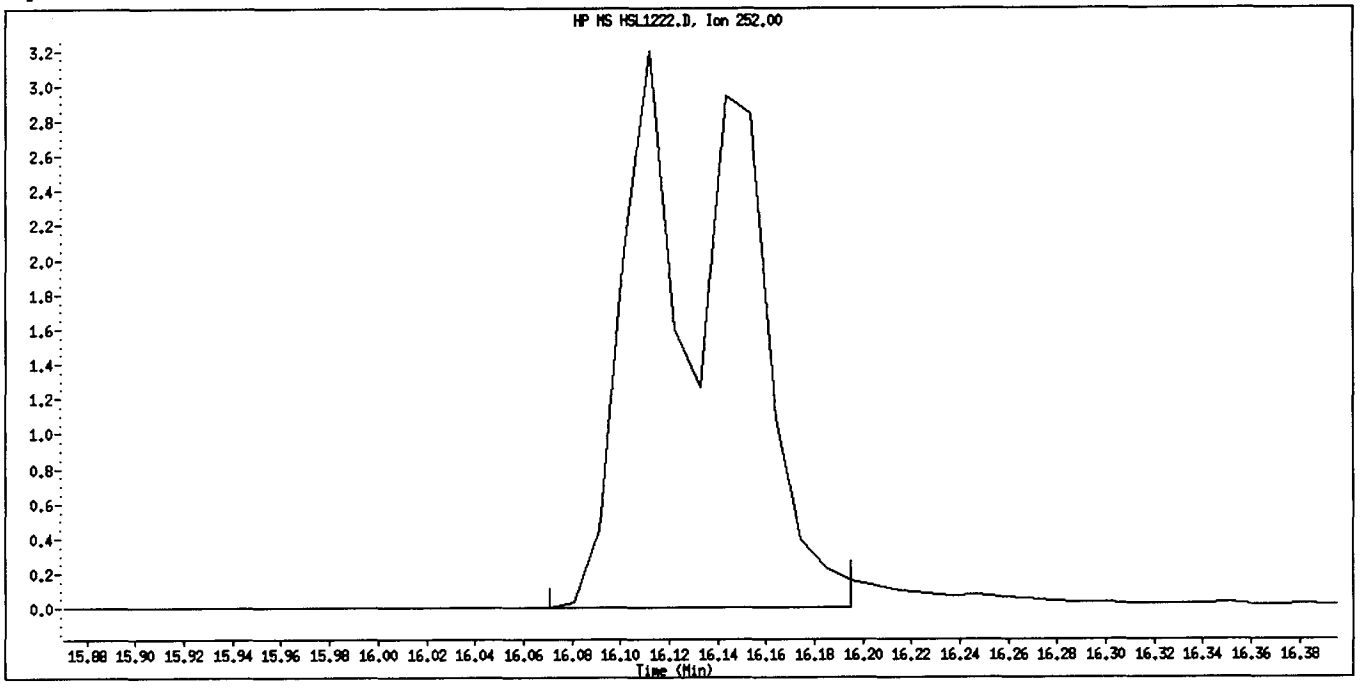
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.479	5.479	(0.957)	239469	50.0000	47.16
49	2,4-Dichlorophenol	162	5.583	5.583	(0.975)	146774	50.0000	48.36
50	Benzoic Acid	122	5.438	5.438	(0.949)	94749	50.0000	56.21
51	1,2,4-Trichlorobenzene	180	5.686	5.686	(0.993)	168609	50.0000	48.58
52	Naphthalene	128	5.759	5.759	(1.005)	612405	50.0000	48.33
54	4-Chloroaniline	127	5.842	5.842	(1.020)	238181	50.0000	47.29
57	Hexachlorobutadiene	225	5.977	5.977	(1.043)	85695	50.0000	49.08
60	4-Chloro-3-Methylphenol	107	6.412	6.412	(1.119)	168992	50.0000	47.84
63	2-Methylnaphthalene	142	6.567	6.567	(1.147)	367069	50.0000	47.72
66	Hexachlorocyclopentadiene	237	6.847	6.847	(0.872)	98247	50.0000	52.34
69	2,4,6-Trichlorophenol	196	6.940	6.940	(0.884)	91502	50.0000	49.80
70	2,4,5-Trichlorphenol	196	6.982	6.982	(0.889)	110639	50.0000	53.82
71	2-Chloronaphthalene	162	7.148	7.148	(0.910)	352402	50.0000	48.58
73	2-Nitroaniline	65	7.313	7.313	(0.931)	128391	50.0000	50.83
76	Dimethylphthalate	163	7.583	7.583	(0.966)	415023	50.0000	49.20
77	Acenaphthylene	152	7.655	7.655	(0.975)	567720	50.0000	48.46
79	2,6-Dinitrotoluene	165	7.666	7.666	(0.976)	88011	50.0000	51.39
80	3-Nitroaniline	138	7.821	7.821	(0.996)	107012	50.0000	50.19
81	Acenaphthene	153	7.883	7.883	(1.004)	387952	50.0000	49.11
82	2,4-Dinitrophenol	184	7.945	7.945	(1.012)	38718	50.0000	65.94
83	Dibenzofuran	168	8.091	8.091	(1.030)	505085	50.0000	49.74
84	4-Nitrophenol	109	8.028	8.028	(1.022)	46869	50.0000	47.91
86	2,4-Dinitrotoluene	165	8.142	8.142	(1.037)	115492	50.0000	52.70
91	Fluorene	166	8.536	8.536	(1.087)	418904	50.0000	49.72
92	Diethylphthalate	149	8.484	8.484	(1.081)	408565	50.0000	48.62
93	4-Chlorophenyl-phenylether	204	8.547	8.547	(1.088)	183067	50.0000	49.32
94	4-Nitroaniline	138	8.619	8.619	(1.098)	106021	50.0000	52.03
97	4,6-Dinitro-2-methylphenol	198	8.671	8.671	(0.880)	53637	50.0000	58.11
98	N-Nitrosodiphenylamine	169	8.712	8.712	(0.884)	335253	58.6000	57.28
100	Azobenzene	77	8.754	8.754	(0.889)	475758	50.0000	48.26
101	4-Bromophenyl-phenylether	248	9.220	9.220	(0.936)	98653	50.0000	48.04
108	Hexachlorobenzene	284	9.417	9.417	(0.956)	112305	50.0000	48.47
110	Pentachlorophenol	266	9.676	9.676	(0.982)	59384	50.0000	57.50
114	Phenanthrene	178	9.883	9.883	(1.003)	586589	50.0000	47.95
115	Anthracene	178	9.956	9.956	(1.011)	628114	50.0000	51.48
118	Carbazole	167	10.215	10.215	(1.037)	557621	50.0000	49.44
120	Di-n-Butylphthalate	149	10.909	10.909	(1.107)	701820	50.0000	51.12
126	Fluoranthene	202	11.790	11.790	(1.197)	588039	50.0000	51.30
127	Benzidine	184	12.060	12.060	(0.843)	362780	50.0000	47.64
128	Pyrene	202	12.163	12.163	(0.851)	643266	50.0000	48.07
134	3,3'-dimethylbenzidine	212	13.365	13.365	(0.935)	369491	50.0000	52.50
136	Butylbenzylphthalate	149	13.469	13.469	(0.942)	312351	50.0000	51.05
138	Benzo(a)Anthracene	228	14.277	14.277	(0.999)	504533	50.0000	47.64
139	Chrysene	228	14.339	14.339	(1.003)	539284	50.0000	50.02
140	3,3'-Dichlorobenzidine	252	14.298	14.298	(1.000)	216436	50.0000	54.00
141	bis(2-ethylhexyl)Phthalate	149	14.588	14.588	(1.020)	444151	50.0000	51.80
142	Di-n-octylphthalate	149	15.645	15.645	(1.094)	723495	50.0000	54.19
144	Benzo(b)fluoranthene	252	16.112	16.112	(0.965)	533674	50.0000	52.38(M)
145	Benzo(k)fluoranthene	252	16.143	16.143	(0.966)	573092	50.0000	49.94(M)
147	Benzo(e)pyrene	252	16.536	16.536	(0.990)	475787	50.0000	48.36
148	Benzo(a)pyrene	252	16.609	16.609	(0.994)	533611	50.0000	50.86
151	Indeno(1,2,3-cd)pyrene	276	18.516	18.516	(1.109)	423828	50.0000	49.02(M)
152	Dibenzo(a,h)anthracene	278	18.557	18.557	(1.111)	481085	50.0000	51.68
153	Benzo(g,h,i)perylene	276	18.992	18.992	(1.137)	490618	50.0000	50.70

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1106766	50.0000	

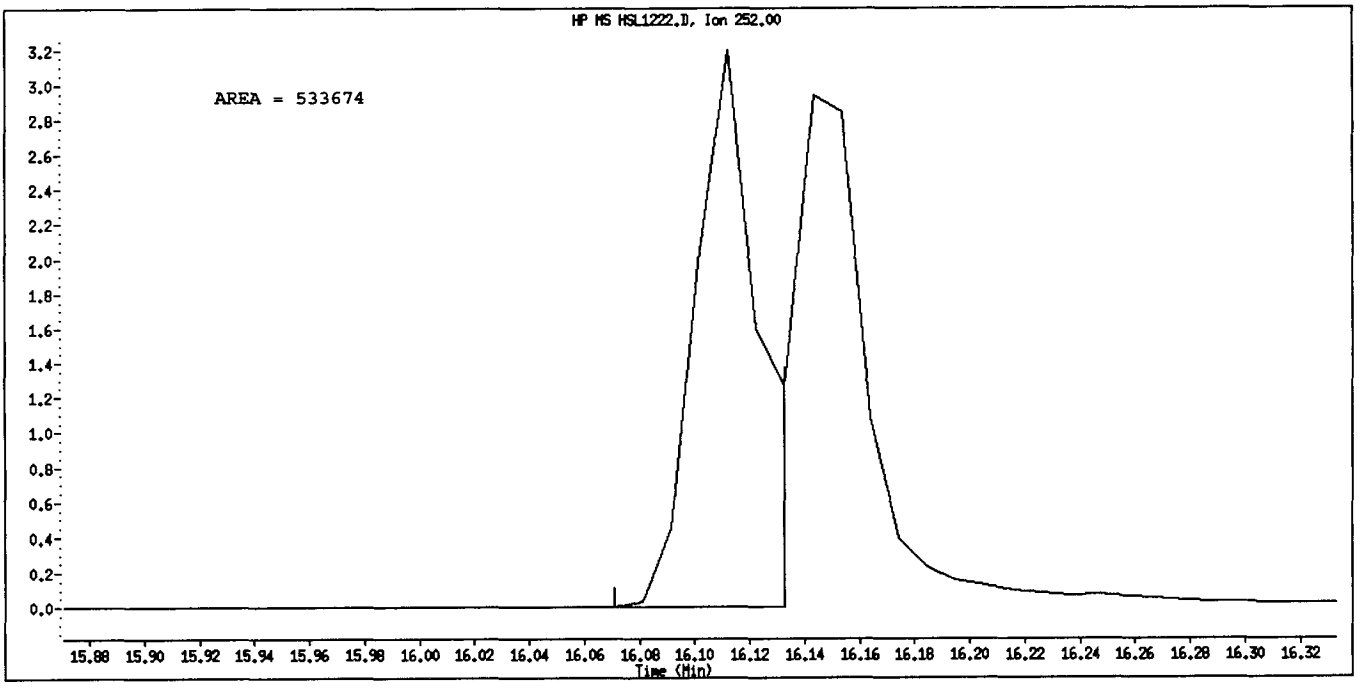
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL1222.D
Inj. Date and Time: 22-DEC-2010 20:42
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 12/23/2010



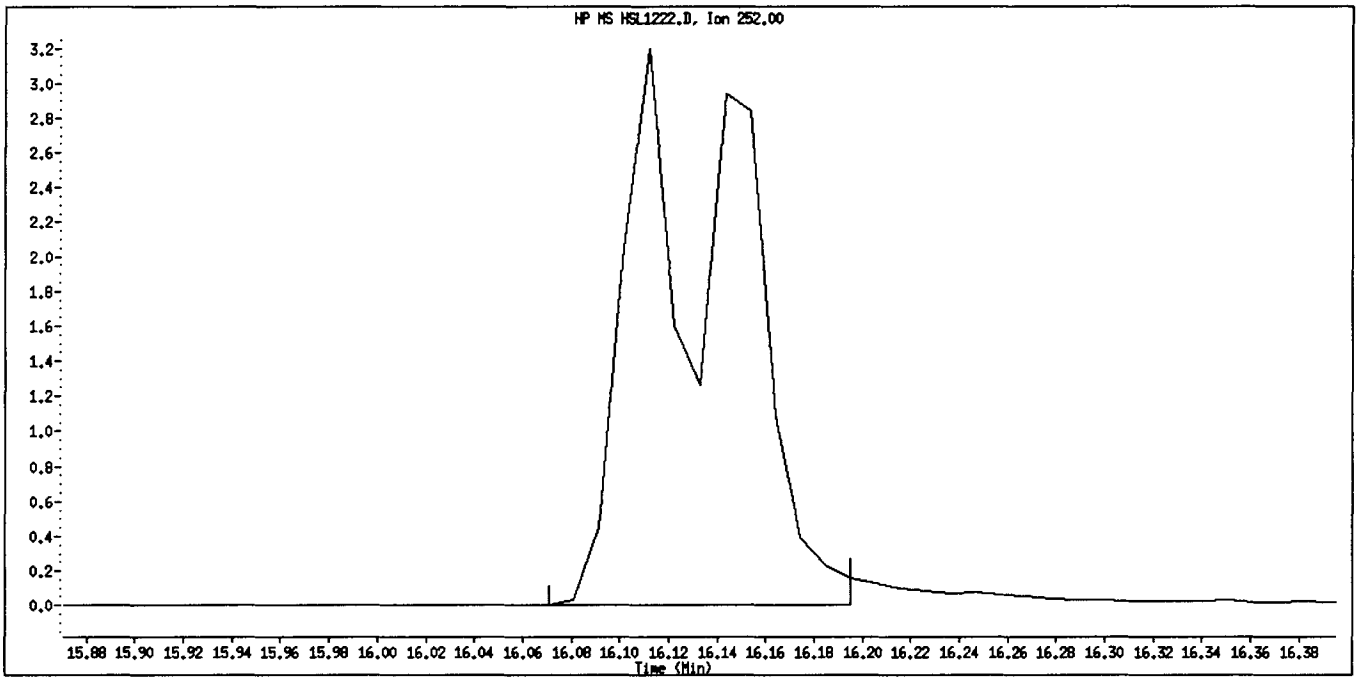
Original Integration



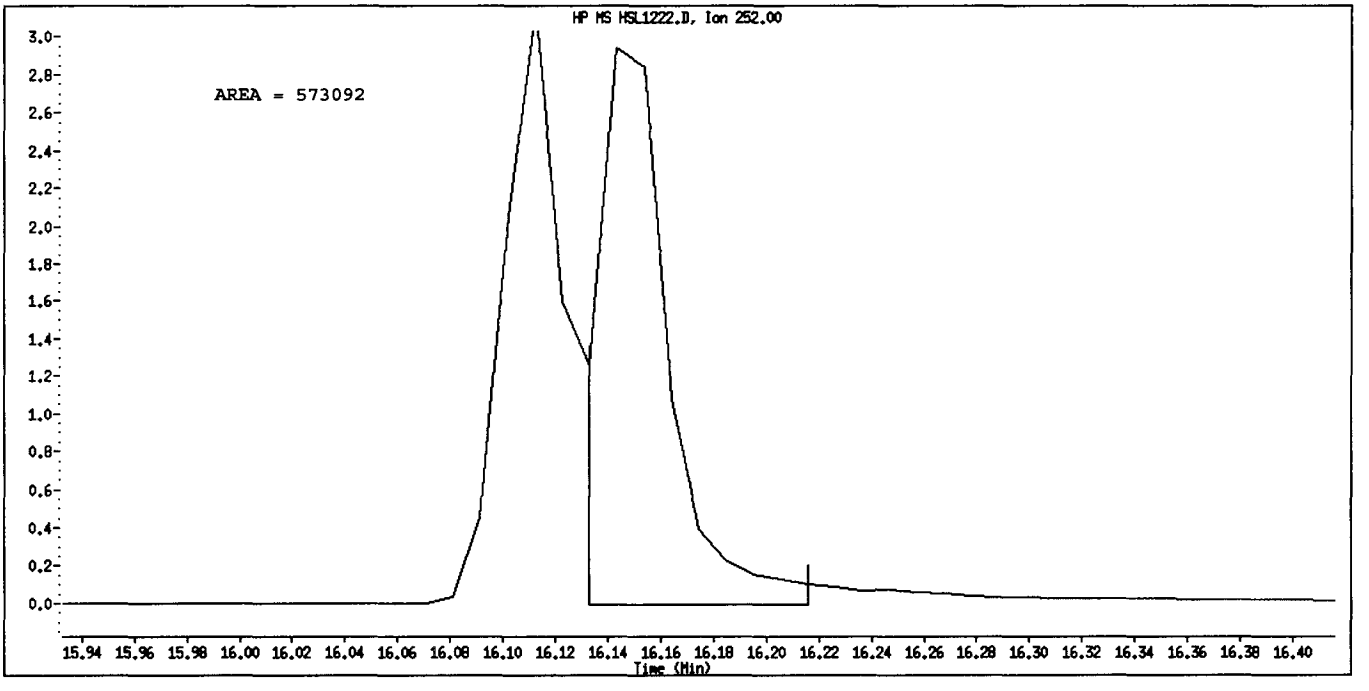
Manual Integration

Manually Integrated By: semivoa
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1222.D
Inj. Date and Time: 22-DEC-2010 20:42
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 12/23/2010



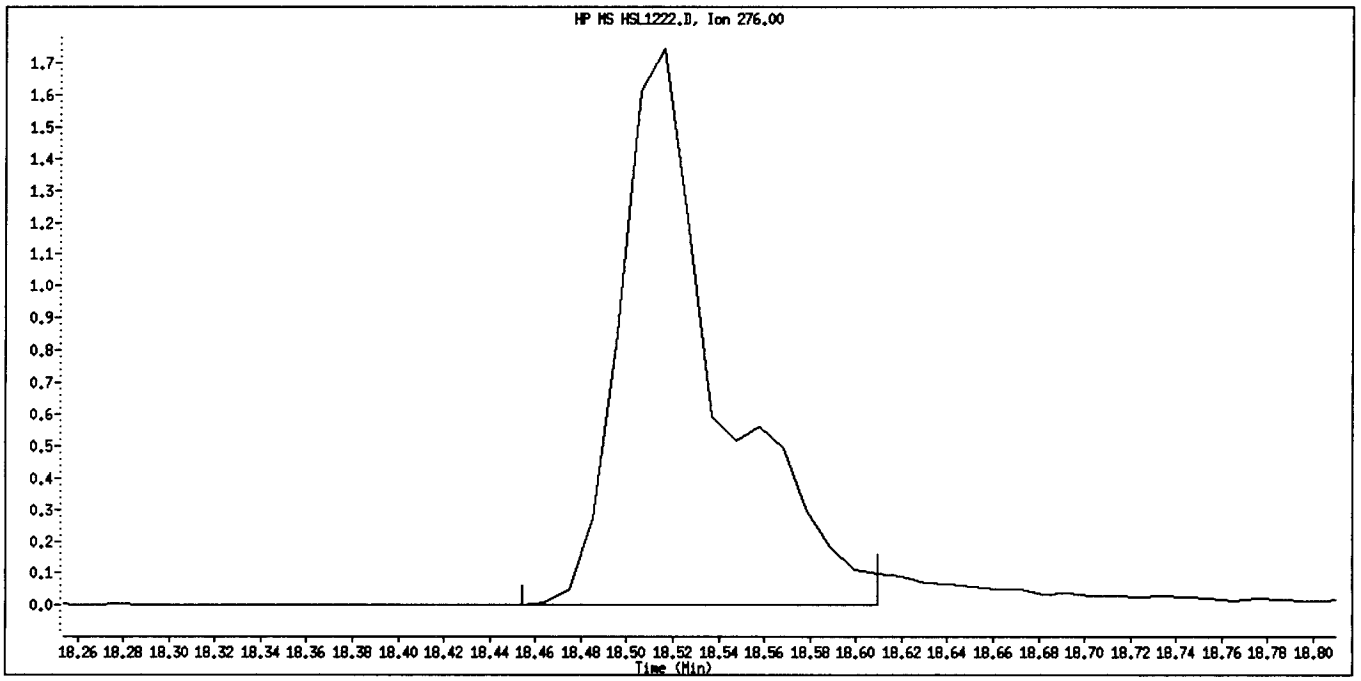
Original Integration



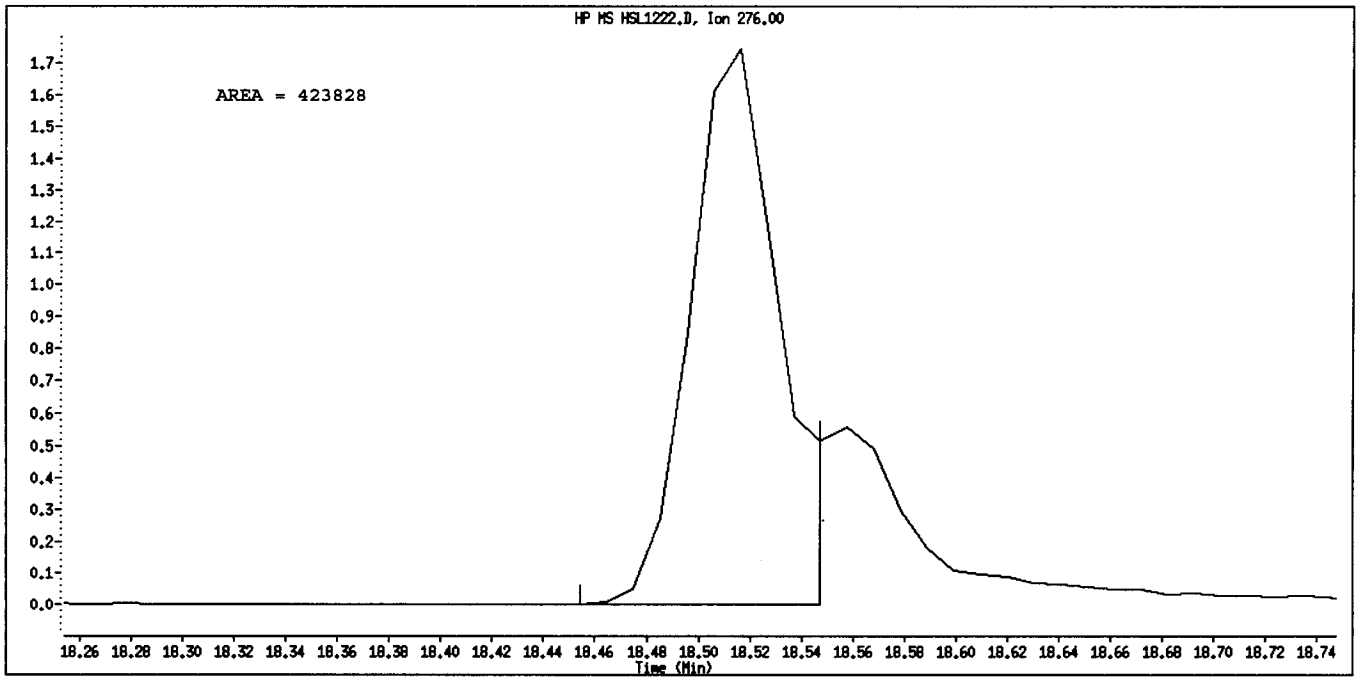
Manual Integration

Manually Integrated By: semivoa
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1222.D
Inj. Date and Time: 22-DEC-2010 20:42
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/23/2010



Original Integration



Manual Integration

Manually Integrated By: semivoa
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122210A.B\HSL1222.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 22-DEC-2010 20:42
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\122210A.B\8270f.m
Meth Date : 23-Dec-2010 12:39 semivoa Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1 1,4-Dichlorobenzene-d4	152	4.308	4.308	(1.000)	98216	40.0000	
* 2 Naphthalene-d8	136	5.728	5.728	(1.000)	460530	40.0000	
* 3 Acenaphthene-d10	164	7.852	7.852	(1.000)	254076	40.0000	
* 4 Phenanthrene-d10	188	9.852	9.852	(1.000)	396705	40.0000	
* 5 Chrysene-d12	240	14.298	14.298	(1.000)	394846	40.0000	
* 6 Perylene-d12	264	16.702	16.702	(1.000)	380192	40.0000	
$ 7 2-Fluorophenol	112	3.075	3.075	(0.714)	177534	50.0000	46.86
$ 8 Phenol-d5	99	3.945	3.945	(0.916)	231196	50.0000	47.90
$ 9 2-Chlorophenol-d4	132	4.101	4.101	(0.952)	203793	50.0000	49.49
$ 10 1,2-Dichlorobenzene-d4	152	4.515	4.515	(1.048)	122025	50.0000	51.03
$ 11 Nitrobenzene-d5	82	4.940	4.940	(0.863)	194674	50.0000	46.41
$ 12 2-Fluorobiphenyl	172	7.044	7.044	(0.897)	387152	50.0000	48.77
$ 13 2,4,6-Tribromophenol	330	8.889	8.889	(1.132)	50041	50.0000	51.14
$ 14 Terphenyl-d14	244	12.505	12.505	(0.875)	385954	50.0000	47.56
15 N-Nitrosodimethylamine	74	2.049	2.049	(0.476)	131991	50.0000	47.85
16 Pyridine	79	2.070	2.070	(0.480)	223038	50.0000	49.82
23 Aniline	93	4.008	4.008	(0.930)	309513	50.0000	48.38
24 Phenol	94	3.956	3.956	(0.918)	237182	50.0000	46.74
26 Bis(2-chloroethyl)ether	93	4.059	4.059	(0.942)	212074	50.0000	50.53
27 2-Chlorophenol	128	4.122	4.122	(0.957)	200713	50.0000	51.07
28 1,3-Dichlorobenzene	146	4.277	4.277	(0.993)	202655	50.0000	47.95
29 1,4-Dichlorobenzene	146	4.329	4.329	(1.005)	212301	50.0000	48.79
30 Benzyl Alcohol	108	4.463	4.463	(1.036)	134699	50.0000	48.53
31 1,2-Dichlorobenzene	146	4.536	4.536	(1.053)	201639	50.0000	49.36
32 2-Methylphenol	108	4.598	4.598	(1.067)	187992	50.0000	49.61
33 2,2'-oxybis(1-Chloropropane)	45	4.640	4.640	(1.077)	394125	50.0000	48.46
34 4-Methylphenol	108	4.754	4.754	(1.103)	192738	50.0000	48.58
36 Hexachloroethane	117	4.868	4.868	(1.130)	87798	50.0000	50.25
37 N-Nitrosodinpropylamine	70	4.795	4.795	(1.113)	150807	50.0000	46.71
42 Nitrobenzene	77	4.961	4.961	(0.866)	201310	50.0000	45.28
44 Isophorone	82	5.220	5.220	(0.911)	388979	50.0000	47.90
45 2-Nitrophenol	139	5.324	5.324	(0.929)	100019	50.0000	52.31
46 2,4-Dimethyphenol	107	5.355	5.355	(0.935)	204425	50.0000	48.43

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.479	5.479	(0.957)	239469	50.0000	47.16
49	2,4-Dichlorophenol	162	5.583	5.583	(0.975)	146774	50.0000	48.36
50	Benzoic Acid	122	5.438	5.438	(0.949)	94749	50.0000	56.21
51	1,2,4-Trichlorobenzene	180	5.686	5.686	(0.993)	168609	50.0000	48.58
52	Naphthalene	128	5.759	5.759	(1.005)	612405	50.0000	48.33
54	4-Chloroaniline	127	5.842	5.842	(1.020)	238181	50.0000	47.29
57	Hexachlorobutadiene	225	5.977	5.977	(1.043)	85695	50.0000	49.08
60	4-Chloro-3-Methylphenol	107	6.412	6.412	(1.119)	168992	50.0000	47.84
63	2-Methylnaphthalene	142	6.567	6.567	(1.147)	367069	50.0000	47.72
66	Hexachlorocyclopentadiene	237	6.847	6.847	(0.872)	98247	50.0000	52.34
69	2,4,6-Trichlorophenol	196	6.940	6.940	(0.884)	91502	50.0000	49.80
70	2,4,5-Trichlorphenol	196	6.982	6.982	(0.889)	110639	50.0000	53.82
71	2-Chloronaphthalene	162	7.148	7.148	(0.910)	352402	50.0000	48.58
73	2-Nitroaniline	65	7.313	7.313	(0.931)	128391	50.0000	50.83
76	Dimethylphthalate	163	7.583	7.583	(0.966)	415023	50.0000	49.20
77	Acenaphthylene	152	7.655	7.655	(0.975)	567720	50.0000	48.46
79	2,6-Dinitrotoluene	165	7.666	7.666	(0.976)	88011	50.0000	51.39
80	3-Nitroaniline	138	7.821	7.821	(0.996)	107012	50.0000	50.19
81	Acenaphthene	153	7.883	7.883	(1.004)	387952	50.0000	49.11
82	2,4-Dinitrophenol	184	7.945	7.945	(1.012)	38718	50.0000	65.94
83	Dibenzofuran	168	8.091	8.091	(1.030)	505085	50.0000	49.74
84	4-Nitrophenol	109	8.028	8.028	(1.022)	46869	50.0000	47.91
86	2,4-Dinitrotoluene	165	8.142	8.142	(1.037)	115492	50.0000	52.70
91	Fluorene	166	8.536	8.536	(1.087)	418904	50.0000	49.72
92	Diethylphthalate	149	8.484	8.484	(1.081)	408565	50.0000	48.62
93	4-Chlorophenyl-phenylether	204	8.547	8.547	(1.088)	183067	50.0000	49.32
94	4-Nitroaniline	138	8.619	8.619	(1.098)	106021	50.0000	52.03
97	4,6-Dinitro-2-methylphenol	198	8.671	8.671	(0.880)	53637	50.0000	58.11
98	N-Nitrosodiphenylamine	169	8.712	8.712	(0.884)	335253	58.6000	57.28
100	Azobenzene	77	8.754	8.754	(0.889)	475758	50.0000	48.26
101	4-Bromophenyl-phenylether	248	9.220	9.220	(0.936)	98653	50.0000	48.04
108	Hexachlorobenzene	284	9.417	9.417	(0.956)	112305	50.0000	48.47
110	Pentachlorophenol	266	9.676	9.676	(0.982)	59384	50.0000	57.50
114	Phenanthrene	178	9.883	9.883	(1.003)	586589	50.0000	47.95
115	Anthracene	178	9.956	9.956	(1.011)	628114	50.0000	51.48
118	Carbazole	167	10.215	10.215	(1.037)	557621	50.0000	49.44
120	Di-n-Butylphthalate	149	10.909	10.909	(1.107)	701820	50.0000	51.12
126	Fluoranthene	202	11.790	11.790	(1.197)	588039	50.0000	51.30
127	Benzidine	184	12.060	12.060	(0.843)	362780	50.0000	47.64
128	Pyrene	202	12.163	12.163	(0.851)	643266	50.0000	48.07
134	3,3'-dimethylbenzidine	212	13.365	13.365	(0.935)	369491	50.0000	52.50
136	Butylbenzylphthalate	149	13.469	13.469	(0.942)	312351	50.0000	51.05
138	Benzo(a)Anthracene	228	14.277	14.277	(0.999)	504533	50.0000	47.64
139	Chrysene	228	14.339	14.339	(1.003)	539284	50.0000	50.02
140	3,3'-Dichlorobenzidine	252	14.298	14.298	(1.000)	216436	50.0000	54.00
141	bis(2-ethylhexyl)Phthalate	149	14.588	14.588	(1.020)	444151	50.0000	51.80
142	Di-n-octylphthalate	149	15.645	15.645	(1.094)	723495	50.0000	54.19
144	Benzo(b)fluoranthene	252	16.112	16.112	(0.965)	1004510	50.0000	98.60
145	Benzo(k)fluoranthene	252	16.112	16.112	(0.965)	1004510	50.0000	87.53
147	Benzo(e)pyrene	252	16.536	16.536	(0.990)	475787	50.0000	48.36
148	Benzo(a)pyrene	252	16.609	16.609	(0.994)	533611	50.0000	50.86
151	Indeno(1,2,3-cd)pyrene	276	18.516	18.516	(1.109)	528670	50.0000	61.14
152	Dibenzo(a,h)anthracene	278	18.557	18.557	(1.111)	481085	50.0000	51.68
153	Benzo(g,h,i)perylene	276	18.992	18.992	(1.137)	490618	50.0000	50.70

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2009020	50.0000	92.73(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: HSL1222.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\122210A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 22-DEC-2010
Calibration Time: 19:36
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	98216	1.09
2 Naphthalene-d8	440574	220287	881148	460530	4.53
3 Acenaphthene-d10	234996	117498	469992	254076	8.12
4 Phenanthrene-d10	360879	180440	721758	396705	9.93
5 Chrysene-d12	342230	171115	684460	394846	15.37
6 Perylene-d12	320443	160222	640886	380192	18.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.31	3.81	4.81	4.31	0.00
2 Naphthalene-d8	5.73	5.23	6.23	5.73	0.00
3 Acenaphthene-d10	7.85	7.35	8.35	7.85	0.00
4 Phenanthrene-d10	9.85	9.35	10.35	9.85	0.00
5 Chrysene-d12	14.30	13.80	14.80	14.30	0.00
6 Perylene-d12	16.70	16.20	17.20	16.70	0.00

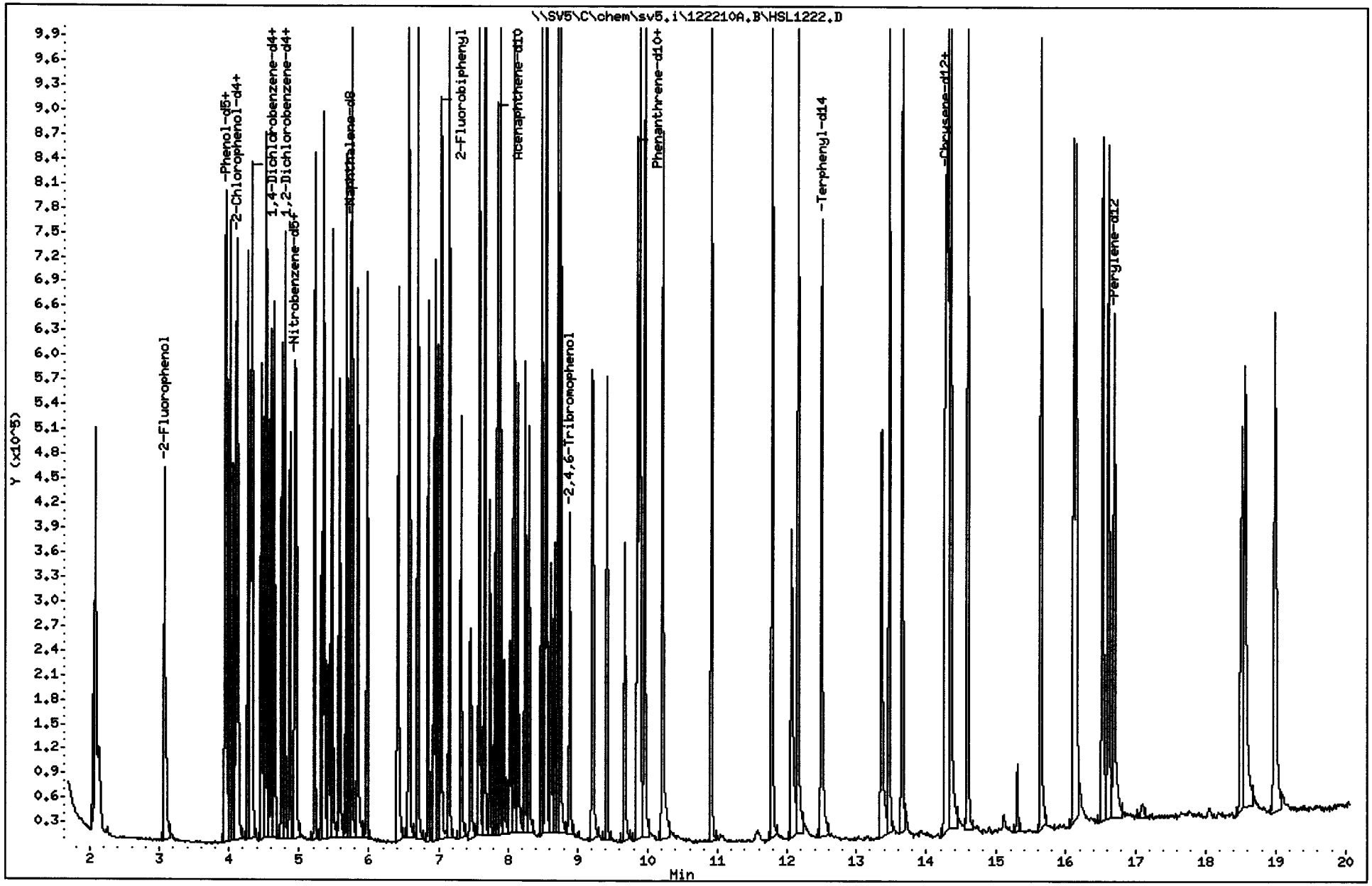
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\122210A.B\HSL1222.D
Date : 22-DEC-2010 20:42
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;2;;4;;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.4736859	5.000	PASS
Benzidine	0.4336059	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	449076	12.5	20.5	PASS

Sample //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D

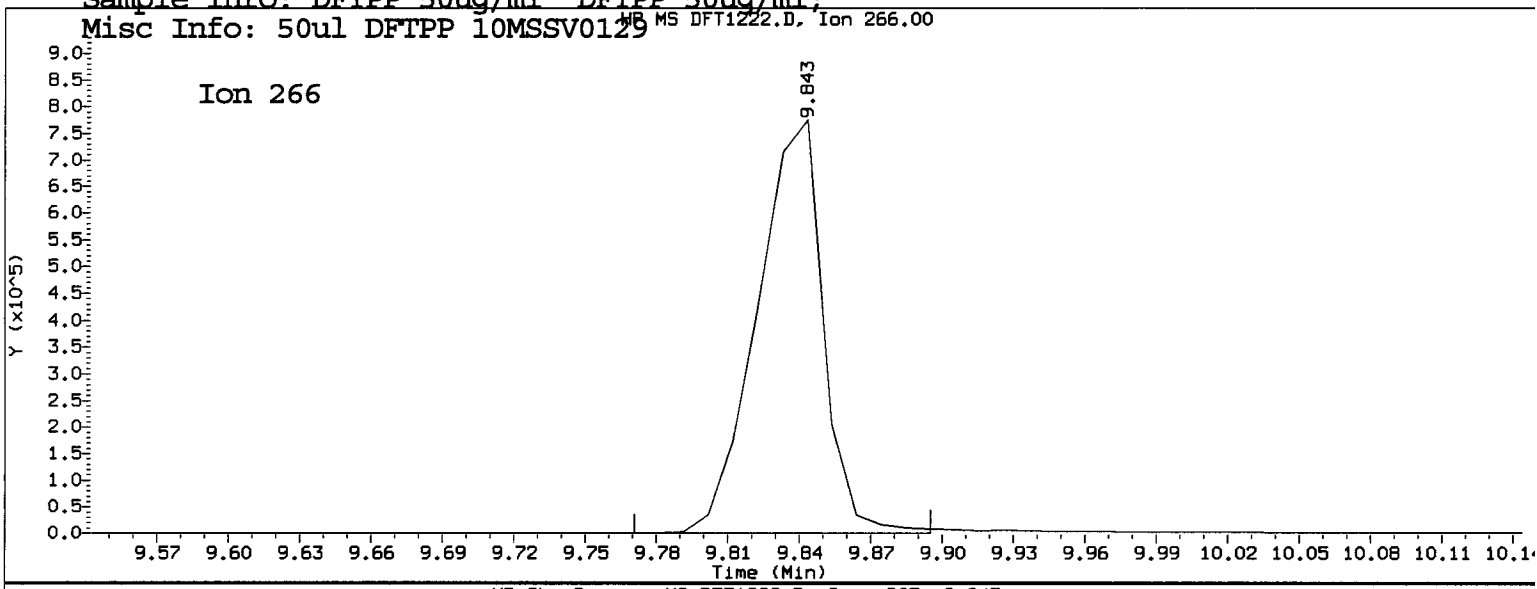
****
*** PASSED ***
****

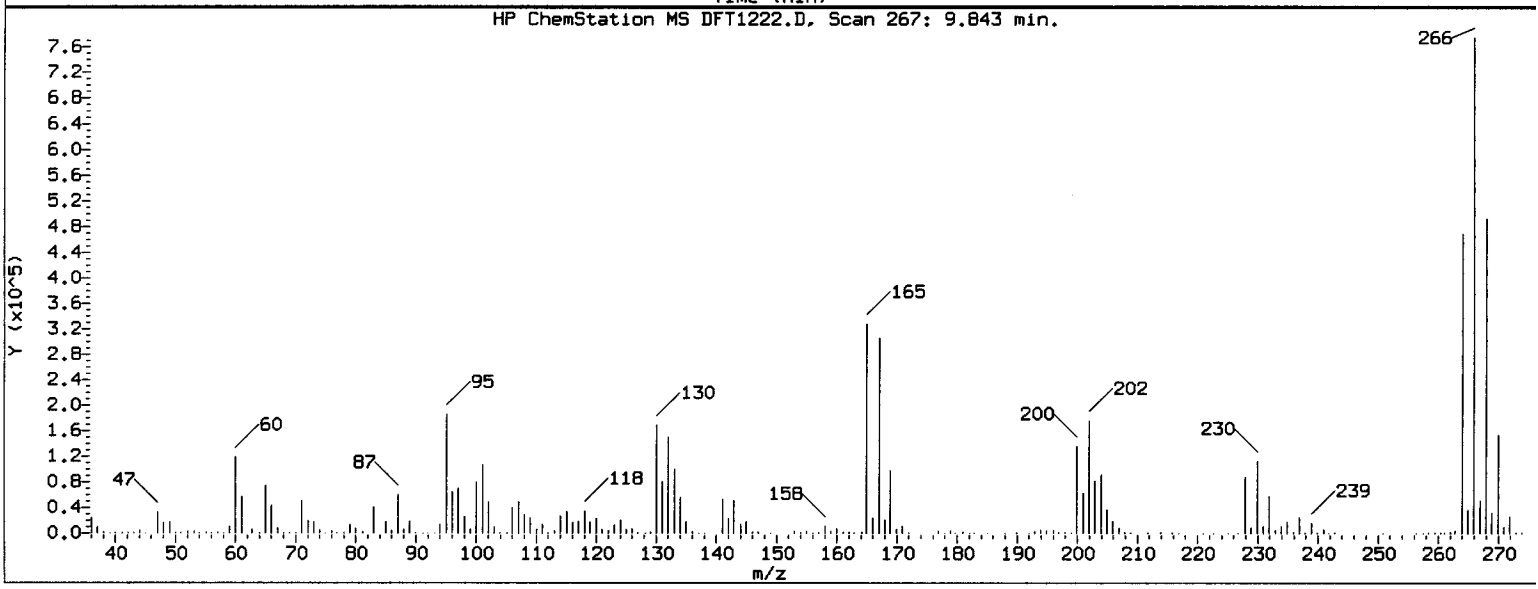
12/23/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 12/23/2010 12:38

Datafile Analyzed: //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D
Method Used: \\SV5\C\chem\sv5.i\122210A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-DEC-2010 20:22 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.864
Found RT = 9.843

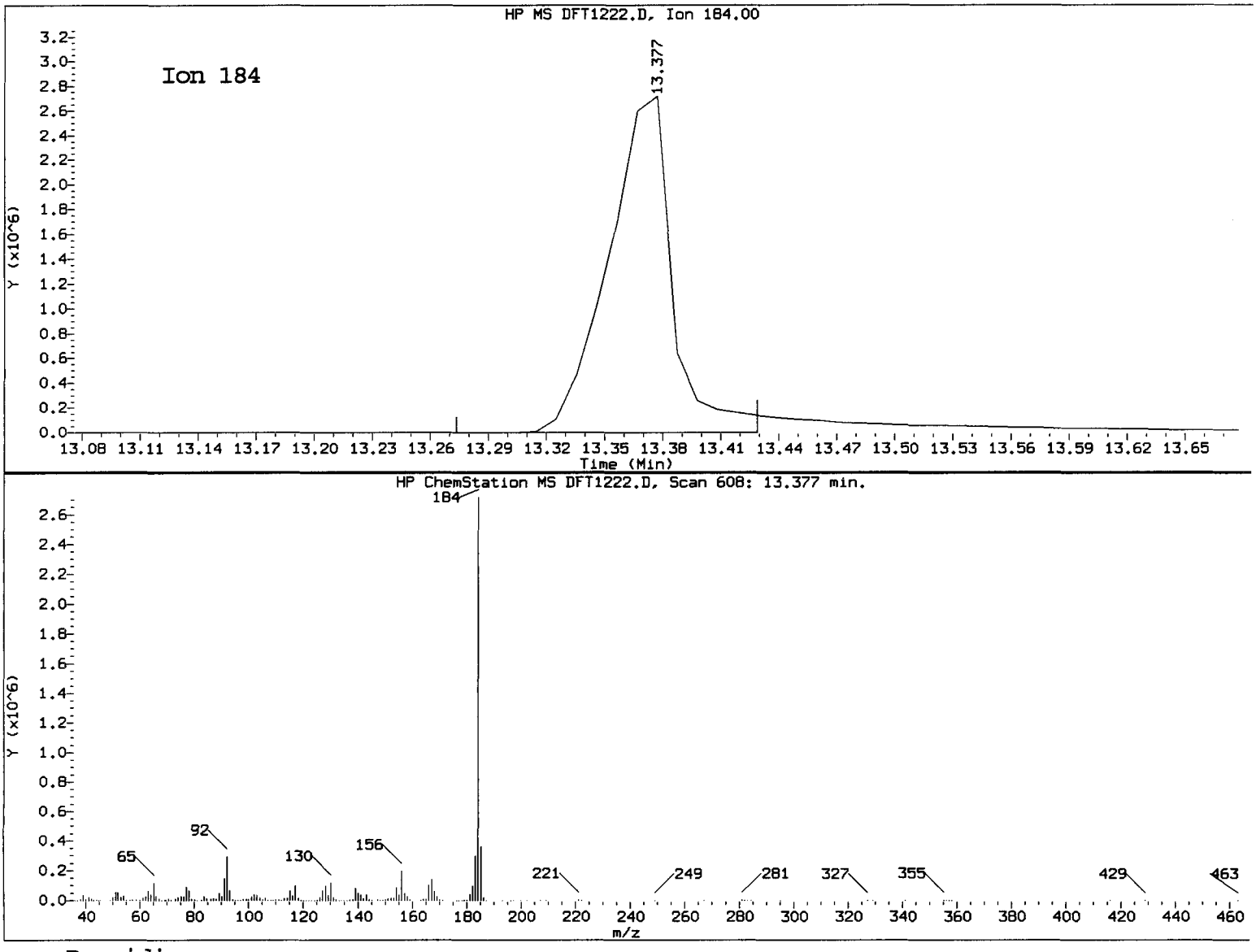
Time1 = 9.805015 Time2 = 9.8433 Time3 = 9.861435
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Pentachlorophenol OK

Tail Factor = 0.474 Maximum Allowed = 5.0

Report Date: 12/23/2010 12:38

Datafile Analyzed: //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D
Method Used: \\SV5\C\chem\sv5.i\122210A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-DEC-2010 20:22 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



Benzidine
=========
Exp. RT = 13.398
Found RT = 13.377

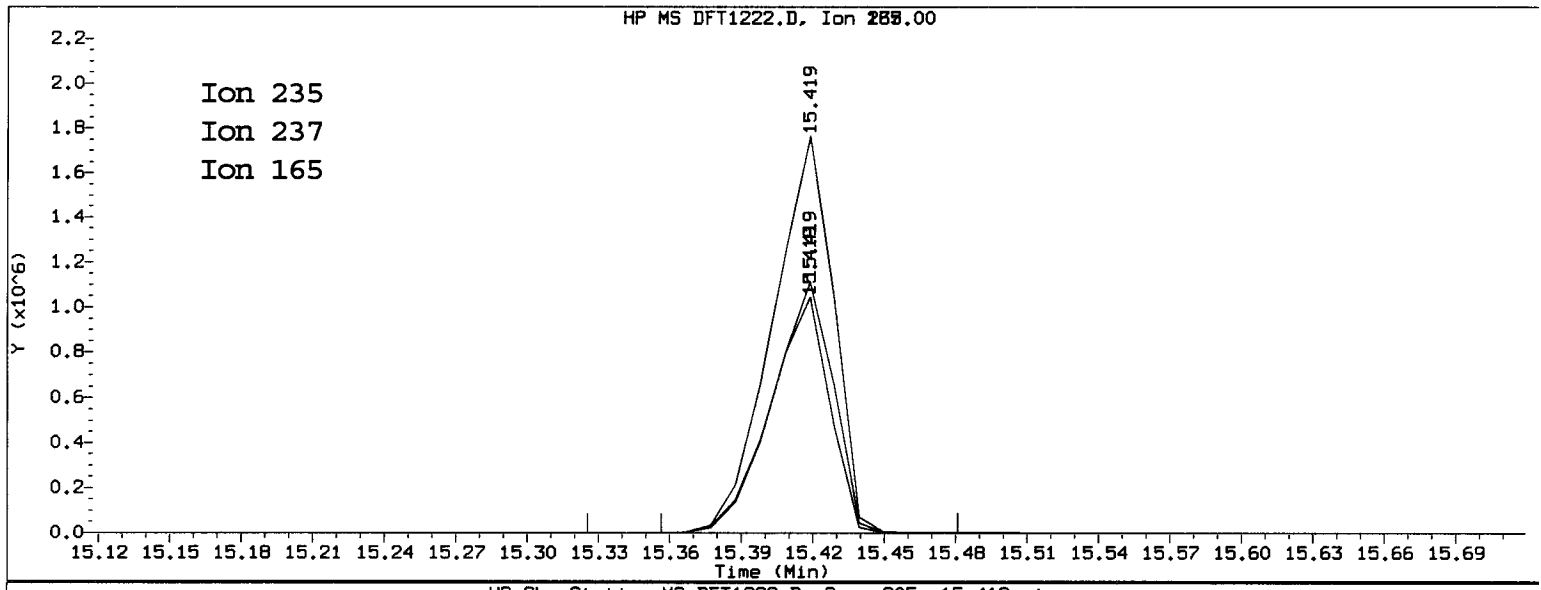
Time1 = 13.32994 Time2 = 13.37708 Time3 = 13.39752
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

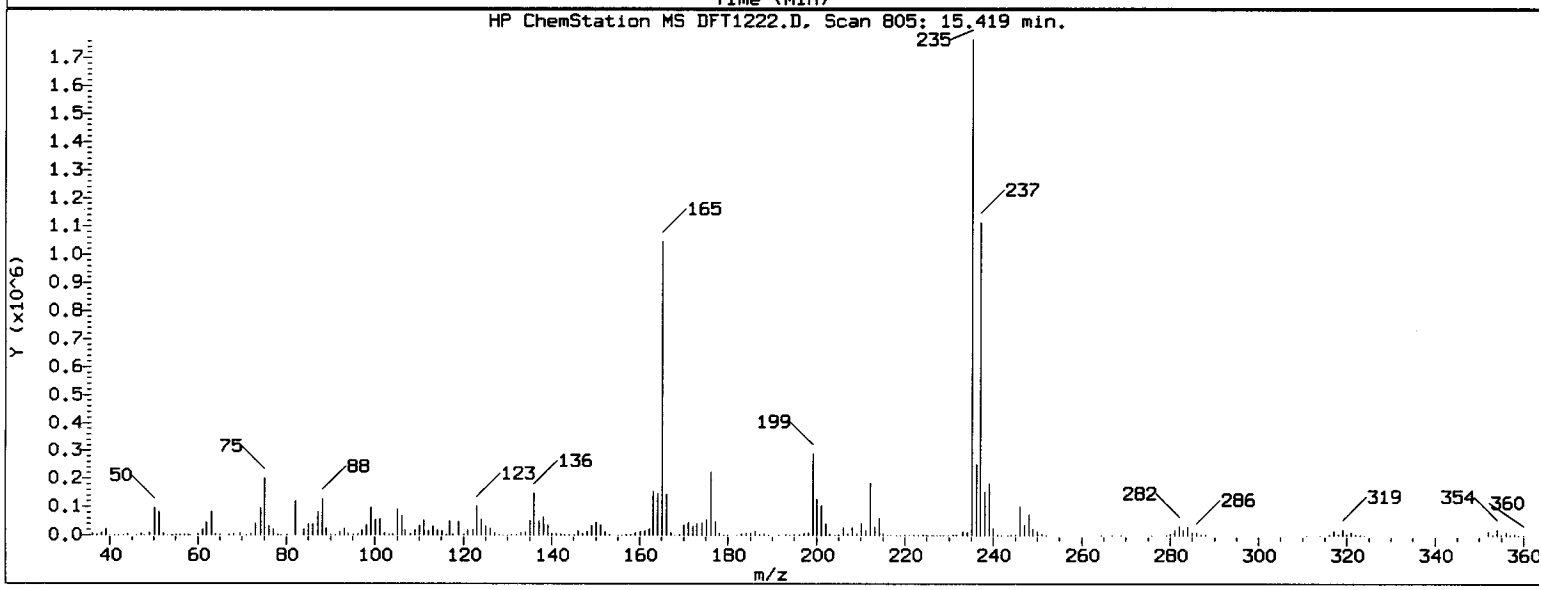
Tailing factor for Benzidine OK

Tail Factor = 0.434 Maximum Allowed = 3.0

Report Date: 12/23/2010 12:38

Datafile Analyzed: //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D
Method Used: \\SV5\C\chem\sv5.i\122210A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-DEC-2010 20:22 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



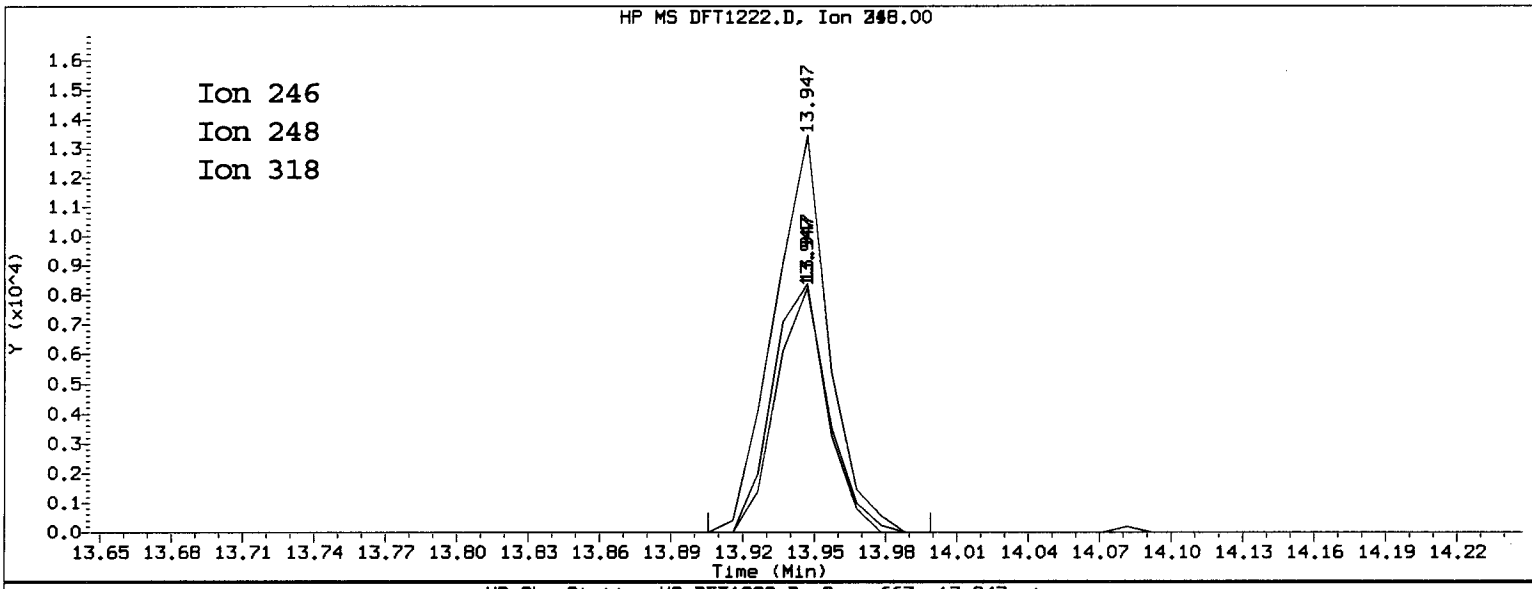


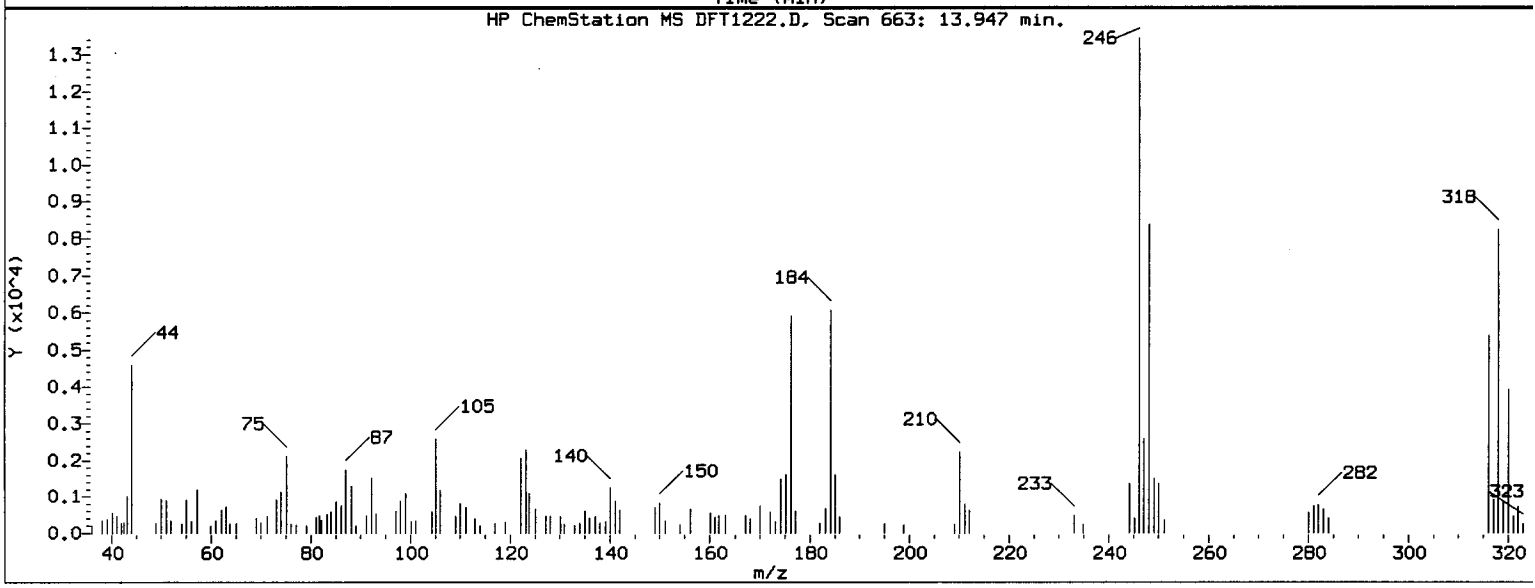
4,4'-DDT
========
Exp. RT = 15.450
Found RT = 15.419

Mass	Area	Ratio
235	3132567	100.00
237	1977224	63.12
165	1827029	58.32

Report Date: 12/23/2010 12:38

Datafile Analyzed: //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D
Method Used: \\SV5\C\chem\sv5.i\122210A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-DEC-2010 20:22 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129



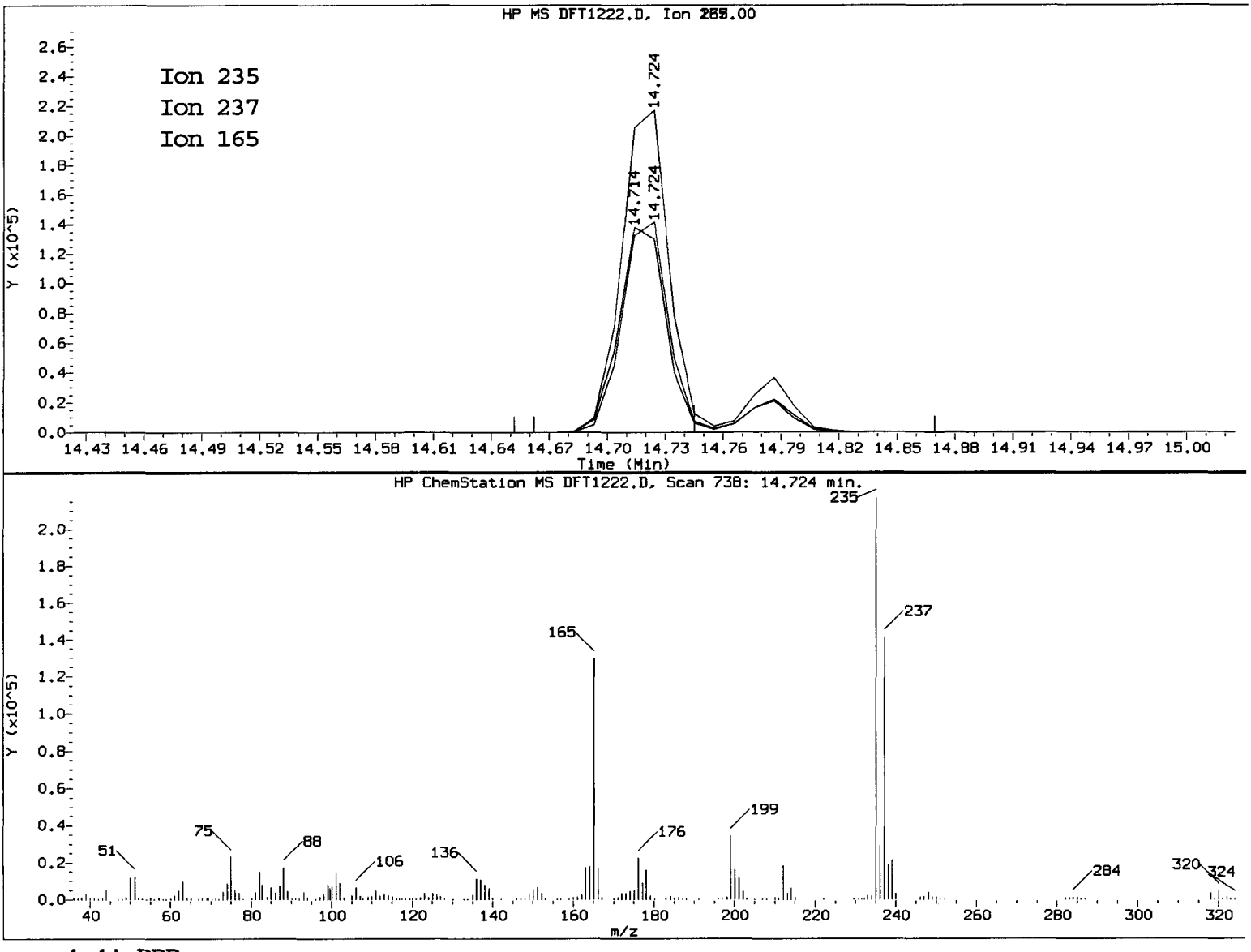


4,4'-DDE
========
 Exp. RT = 13.968
Found RT = 13.947

Mass	Area	Ratio
246	21410	100.00
248	13410	62.63
318	12757	59.58

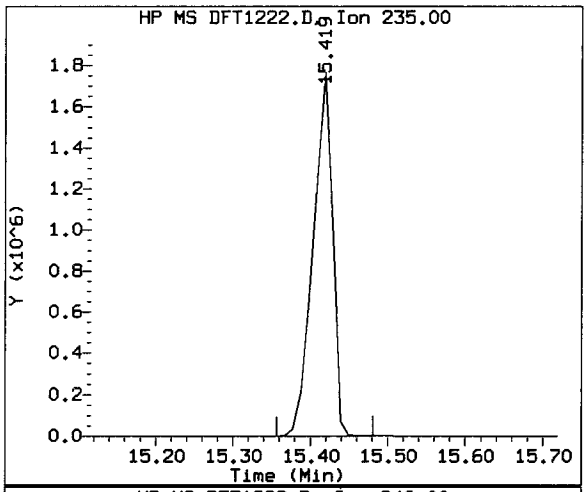
Report Date: 12/23/2010 12:38

Datafile Analyzed: //SV5/C/chem/sv5.i/122210A.B/DFT1222.D/DFT1222.D
Method Used: \\SV5\C\chem\sv5.i\122210A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 22-DEC-2010 20:22 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

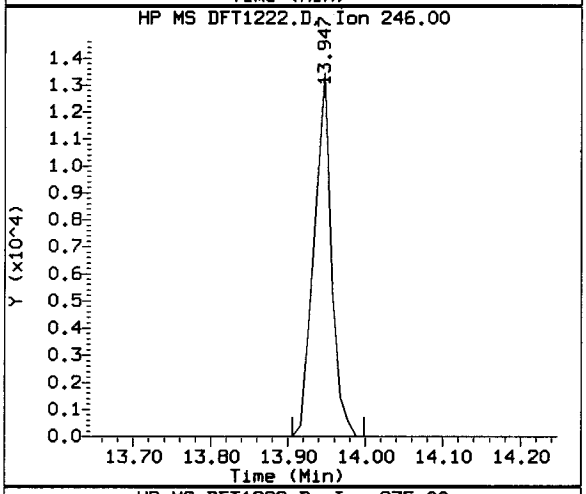


4,4'-DDD
========
Exp. RT = 14.745
Found RT = 14.724

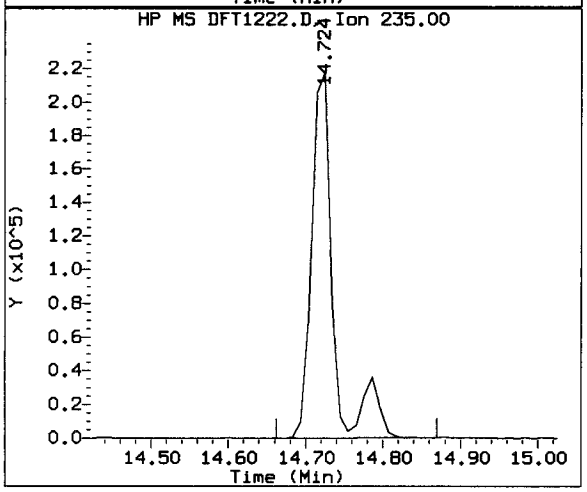
Mass	Area	Ratio
235	427666	100.00
237	236898	55.39
165	234834	54.91



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.419
Area: 3132567



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.947
Area: 21410



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.724
Area: 427666

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	449076	12.5	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\122210A.B\DFT1222.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 22-DEC-2010 20:22
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\122210A.B\DFTPP.m
Meth Date : 20-Dec-2010 17:04 onishim Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
11.273	11.294	(0.000)	198	1220608			0.00- 100.00	100.00
11.273	11.294	(0.000)	51	586816			30.00- 60.00	48.08
11.273	11.294	(0.000)	68	7740			0.00- 2.00	1.55
11.273	11.294	(0.000)	69	499840			0.00- 0.00	40.95
11.273	11.294	(0.000)	70	2465			0.00- 2.00	0.49
11.273	11.294	(0.000)	127	628352			40.00- 60.00	51.48
11.273	11.294	(0.000)	197	8171			0.00- 1.00	0.67
11.273	11.294	(0.000)	199	77224			5.00- 9.00	6.33
11.273	11.294	(0.000)	275	273344			10.00- 30.00	22.39
11.273	11.294	(0.000)	365	38496			1.00- 0.00	3.15
11.273	11.294	(0.000)	441	161024			0.01- 99.99	74.15
11.273	11.294	(0.000)	442	1142272			40.00- 0.00	93.58
11.273	11.294	(0.000)	443	217152			17.00- 23.00	19.01

Data File: \\SV5\C\chem\sv5.i\122210A.B\DFT1222.D

Date : 22-DEC-2010 20:22

Client ID:

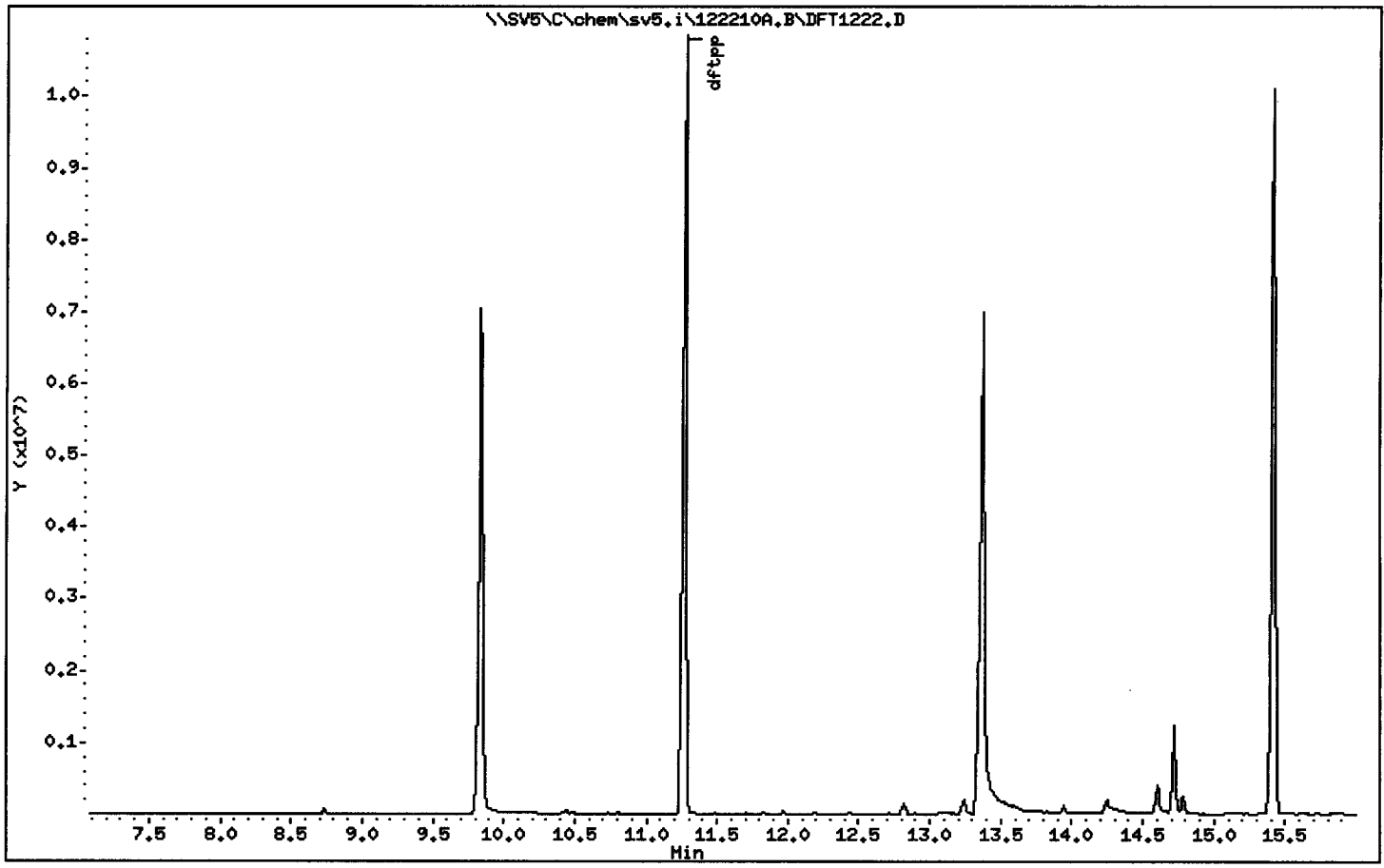
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122210A.B\DFT1222.D

Date : 22-DEC-2010 20:22

Client ID:

Instrument: sv5.i

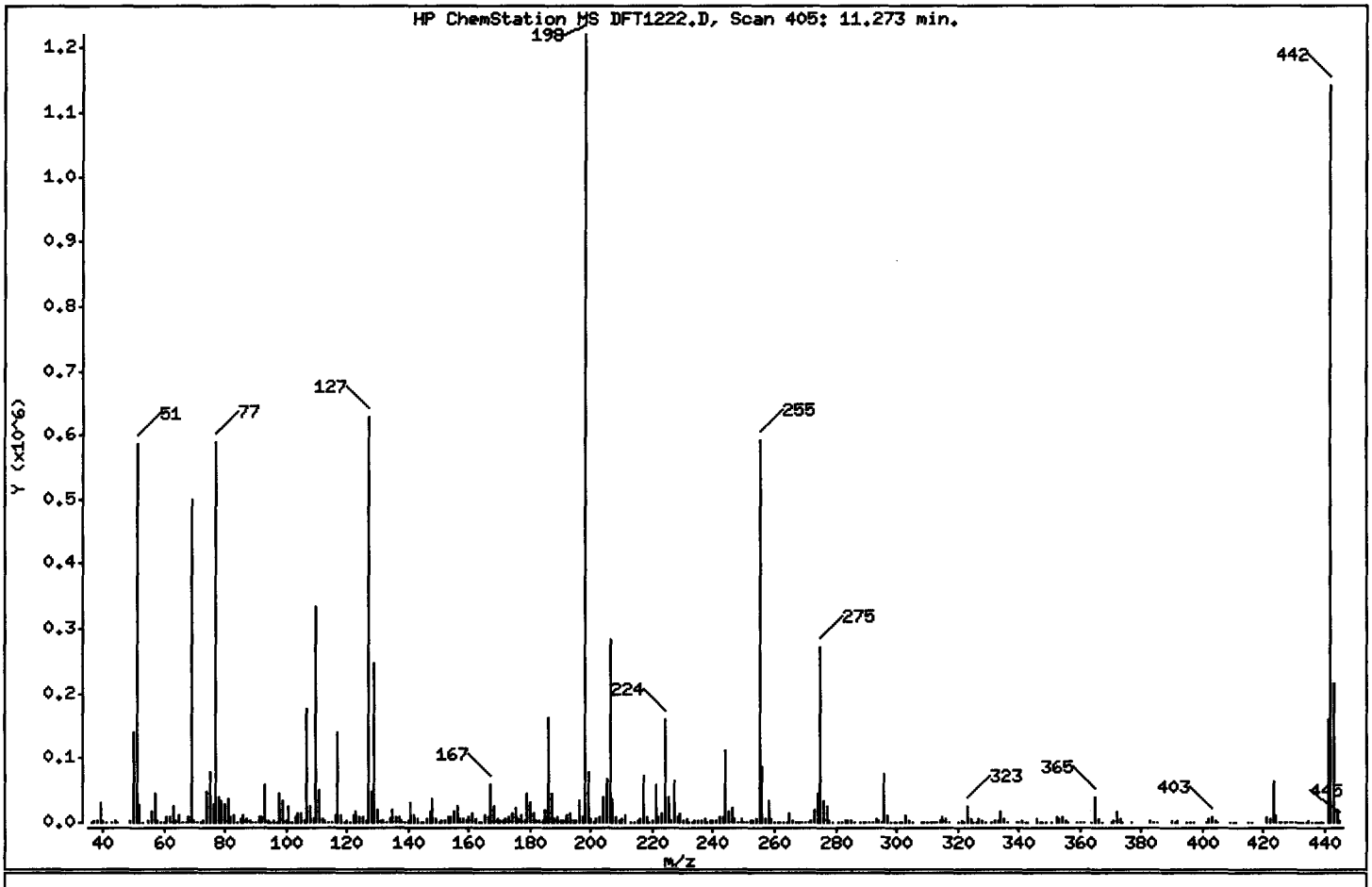
Sample Info: DFTPP 50ug/ml;

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	48.08
68	Less than 2.00% of mass 69	0.63 (1.55)
69	Mass 69 relative abundance	40.95
70	Less than 2.00% of mass 69	0.20 (0.49)
127	40.00 - 60.00% of mass 198	51.48
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	6.33
275	10.00 - 30.00% of mass 198	22.39
365	Greater than 1.00% of mass 198	3.15
441	Present, but less than mass 443	13.19
442	Greater than 40.00% of mass 198	93.58
443	17.00 - 23.00% of mass 442	17.79 (19.01)

Date : 22-DEC-2010 20:22

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1222.D
Spectrum: HP ChemStation MS DFT1222.D, Scan 405: 11.273 min.
Location of Maximum: 198.00
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	366	134.00	6640	228.10	7798	324.10	4718
37.00	1421	135.00	20568	229.00	13462	325.00	598
38.00	4112	136.00	7197	230.00	1757	326.00	519
39.10	31736	137.10	9530	231.10	5081	327.00	4926
40.00	1744	137.80	1914	232.10	897	328.00	2480
41.10	1248	139.10	1400	233.00	1170	329.10	716
43.10	508	140.00	2866	234.00	3171	330.90	219
44.00	2640	141.00	31280	235.00	3969	332.00	1428
45.00	1044	142.00	11116	236.00	2576	333.10	2403
49.10	3266	143.00	6639	237.10	4561	334.10	16800
50.10	139200	144.10	1364	238.00	690	335.10	4926
51.10	586816	145.00	1338	239.00	2439	336.10	583
52.10	29448	146.00	5372	240.00	1715	339.00	264
53.10	1310	147.00	15489	241.10	2931	340.00	677
55.10	2637	148.00	35264	242.10	7057	341.10	2719
56.00	17920	149.00	6494	243.10	7068	342.10	991
57.00	44096	150.10	1368	244.10	112552	343.00	207
58.10	2097	151.10	3381	245.10	15961	346.00	6029
59.00	742	152.10	1970	246.00	21176	347.00	1388
60.00	400	153.00	9498	247.00	5101	347.80	222
61.00	7540	154.00	8150	248.00	1018	349.00	215
62.10	7881	155.10	17024	249.00	4453	350.90	460
63.00	23936	156.10	26632	250.10	1295	352.10	8675
64.10	3490	157.10	6051	251.10	1361	353.10	5925
65.10	11948	158.00	5331	252.00	1912	354.10	8805
66.10	358	159.00	4041	253.10	3821	355.10	1601
67.10	595	160.00	9652	254.00	4582	356.00	373
68.00	7740	161.00	15242	255.10	592896	359.00	853
69.00	499840	162.00	4295	256.10	86824	360.10	261
70.00	2465	163.10	1172	257.10	6530	361.30	214
71.10	829	164.00	1269	258.00	33488	364.00	255
72.10	238	165.00	9886	259.00	5453	365.00	38496
73.00	2978	166.10	9065	260.00	908	366.00	4558
74.00	46648	167.10	58152	261.10	939	367.00	359
75.00	79856	168.00	23984	262.00	212	370.00	868

Date : 22-DEC-2010 20:22

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1222.D
Spectrum: HP ChemStation MS DFT1222.D, Scan 405: 11.273 min.
Location of Maximum: 198.00
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.10	26992	169.10	4397	262.80	320	371.00	1986
77.10	590080	170.00	1900	263.10	391	372.10	15603
78.10	39008	171.00	2064	264.00	994	373.10	4450
79.00	33448	172.00	4336	265.00	12926	374.10	546
80.00	27184	173.10	7563	266.00	1823	377.10	298
81.00	37816	174.00	13067	267.10	435	383.00	4050
82.00	8872	175.10	22448	267.90	273	384.00	879
83.00	9992	176.10	6286	268.50	255	385.10	264
84.10	870	177.00	10050	269.20	339	390.10	2122
85.00	6084	178.00	3398	270.00	559	391.10	1135
86.00	11600	179.00	45008	271.10	909	392.00	1427
87.10	5594	180.10	30040	272.10	1994	394.70	224
88.00	1740	181.10	13678	273.00	18456	395.70	207
89.00	694	182.10	2438	274.00	46072	397.00	312
90.10	308	183.00	1551	275.10	273344	401.00	986
91.00	9001	184.10	2884	276.10	35072	402.00	5980
92.00	8942	185.10	20184	277.00	23864	403.10	9437
93.00	58328	186.10	162240	278.00	3772	404.10	2646
94.00	3676	187.10	44584	279.10	731	404.90	497
95.10	1299	188.10	4625	281.00	294	409.20	242
96.10	2858	189.00	9395	282.10	490	410.20	254
97.10	1044	190.00	1806	283.10	2509	411.10	229
98.00	46216	191.10	3678	284.10	1896	414.90	537
99.00	33880	192.10	11875	285.10	3989	416.00	268
100.00	3492	193.10	14733	286.10	817	416.40	301
101.00	25048	194.10	3288	287.90	284	421.10	8541
102.00	1143	195.10	2059	289.10	1027	422.00	6957
103.10	7923	196.10	34520	290.00	703	423.10	63800
104.00	14605	197.10	8171	291.10	497	424.10	12509
105.00	13571	198.00	1220608	292.10	1257	425.10	1286
106.10	3883	199.00	77224	293.10	5176	425.80	296
107.00	175680	200.00	5703	294.10	1735	426.90	481
108.00	24544	200.80	1232	295.00	1315	427.30	394
109.10	5480	201.50	5254	296.00	76704	428.50	568
110.00	334784	203.00	7641	297.00	11108	428.90	579

Date : 22-DEC-2010 20:22

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1222.D
Spectrum: HP ChemStation MS DFT1222.D, Scan 405: 11.273 min.
Location of Maximum: 198.00
Number of points: 369

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	49984	204.10	38456	298.10	727	429.50	416
112.00	6003	205.10	66512	299.20	210	430.20	681
113.00	2724	206.10	284352	300.00	216	430.90	818
113.80	335	207.10	37096	301.00	795	431.30	668
115.00	575	208.00	7473	302.00	1365	431.70	603
116.00	9923	209.00	2745	303.10	9984	432.20	903
117.00	140736	210.10	4371	304.10	2936	432.80	956
118.00	9925	211.10	10412	305.20	225	434.10	1127
119.00	1073	213.10	737	308.10	951	434.80	1494
120.10	2147	214.00	271	309.00	631	436.10	992
120.90	547	215.00	3060	310.10	634	437.00	1342
122.00	10592	216.10	5998	311.10	411	437.70	726
123.00	16760	217.00	71936	312.00	232	438.30	411
124.00	7846	218.00	9036	312.50	223	439.00	347
125.00	7310	219.00	918	313.10	729	439.50	319
126.20	2534	220.10	1982	314.10	3828	441.10	161024
127.00	628352	221.10	58248	315.00	8784	442.10	1142272
128.00	46688	222.10	9558	316.10	4983	443.10	217152
129.00	246912	223.00	14998	317.10	1046	444.10	20384
130.00	19800	224.10	158848	319.90	339	445.00	1454
131.10	3923	225.10	39096	321.10	2652		
132.00	2192	226.10	3779	322.00	1282		
133.00	1126	227.00	64824	323.10	25528		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122210A.B\S122201.D
Lab Smp Id: MCJNQ1QAD G0L170000
Inj Date : 22-DEC-2010 21:08
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAD G0L170000-383L;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\122210A.B\8270F.m
Meth Date : 23-Dec-2010 12:40 sv5.i Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.308	(1.000)	96248	40.0000	
* 2	Naphthalene-d8	136	5.738	5.728	(1.000)	442335	40.0000	
* 3	Acenaphthene-d10	164	7.852	7.852	(1.000)	251650	40.0000	
* 4	Phenanthrene-d10	188	9.852	9.852	(1.000)	374032	40.0000	
* 5	Chrysene-d12	240	14.298	14.298	(1.000)	356324	40.0000	
* 6	Perylene-d12	264	16.702	16.702	(1.000)	350654	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.075	(0.714)	229318	61.7721	61.77
$ 8	Phenol-d5	99	3.946	3.945	(0.914)	312002	65.9694	65.97
$ 10	1,2-Dichlorobenzene-d4	152	Compound Not Detected.					
$ 11	Nitrobenzene-d5	82	4.940	4.940	(0.861)	132852	32.9733	32.97
$ 12	2-Fluorobiphenyl	172	7.044	7.044	(0.897)	293592	37.3387	37.34
$ 13	2,4,6-Tribromophenol	330	8.889	8.889	(1.132)	82257	84.8693	84.87
$ 14	Terphenyl-d14	244	12.505	12.505	(0.875)	272591	37.2244	37.22
108	Hexachlorobenzene	284	9.417	9.417	(0.956)	184586	84.4935	84.49

12/23/10

TestAmerica West Sacramento

RECOVERY REPORT

Client Name: Client SDG: 090498
Sample Matrix: GAS Fraction: SV
Lab Smp Id: MCJNQ1QAD G0L170000
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\122210A.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	84.49	84.49	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	61.77	61.77	41-105
$ 8 Phenol-d5	100.0	65.97	65.97	43-122
$ 10 1,2-Dichlorobenze	50.00	0.0000	*	60-120
$ 11 Nitrobenzene-d5	50.00	32.97	65.95	46-118
$ 12 2-Fluorobiphenyl	50.00	37.34	74.68	58-105
$ 13 2,4,6-Tribromophen	100.0	84.87	84.87	61-118
$ 14 Terphenyl-d14	50.00	37.22	74.45	69-110

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122210A.B\S122201.D
Lab Smp Id: MCJNQ1QAD G0L170000
Inj Date : 22-DEC-2010 21:08
Operator : KT Inst ID: sv5.i
Smp Info : MCJNQ1QAD G0L170000-383L;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\122210A.B\8270F.m
Meth Date : 23-Dec-2010 12:39 semivoa Quant Type: ISTD
Cal Date : 20-DEC-2010 18:28 Cal File: AP91220G.D
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: S11JZHCB.SUB
Target Version: 4.14
Processing Host: SV5

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (NG)	FINAL (ug/L)
* 1	1,4-Dichlorobenzene-d4	152	4.319	4.308	(1.000)	96248	40.0000	
* 2	Naphthalene-d8	136	5.738	5.728	(1.000)	442335	40.0000	
* 3	Acenaphthene-d10	164	7.852	7.852	(1.000)	251650	40.0000	
* 4	Phenanthrene-d10	188	9.852	9.852	(1.000)	374032	40.0000	
* 5	Chrysene-d12	240	14.298	14.298	(1.000)	356324	40.0000	
* 6	Perylene-d12	264	16.702	16.702	(1.000)	350654	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.075	(0.714)	229318	61.7721	61.77
$ 8	Phenol-d5	99	3.946	3.945	(0.914)	312002	65.9694	65.97
$ 10	1,2-Dichlorobenzene-d4	152	4.319	4.515	(1.000)	96249	41.0712	41.07(q)
$ 11	Nitrobenzene-d5	82	4.940	4.940	(0.861)	132852	32.9733	32.97
$ 12	2-Fluorobiphenyl	172	7.044	7.044	(0.897)	293592	37.3387	37.34
$ 13	2,4,6-Tribromophenol	330	8.889	8.889	(1.132)	82257	84.8693	84.87
$ 14	Terphenyl-d14	244	12.505	12.505	(0.875)	272591	37.2244	37.22
108	Hexachlorobenzene	284	9.417	9.417	(0.956)	184586	84.4935	84.49

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: S122201.D
Lab Smp Id: MCJNQ1QAD G0L170000
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\SV5\C\chem\sv5.i\122210A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

Calibration Date: 22-DEC-2010
Calibration Time: 20:42
Level: LOW
Sample Type: AIR

Test Mode:
Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	96248	-0.94
2 Naphthalene-d8	440574	220287	881148	442335	0.40
3 Acenaphthene-d10	234996	117498	469992	251650	7.09
4 Phenanthrene-d10	360879	180440	721758	374032	3.64
5 Chrysene-d12	342230	171115	684460	356324	4.12
6 Perylene-d12	320443	160222	640886	350654	9.43

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.31	3.81	4.81	4.32	0.24
2 Naphthalene-d8	5.73	5.23	6.23	5.74	0.18
3 Acenaphthene-d10	7.85	7.35	8.35	7.85	0.00
4 Phenanthrene-d10	9.85	9.35	10.35	9.85	0.00
5 Chrysene-d12	14.30	13.80	14.80	14.30	0.00
6 Perylene-d12	16.70	16.20	17.20	16.70	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: MCJNQ1QAD G0L170000
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\122210A.B\8270F.m
Misc Info: 0;AIR;0;S11JZHCB.SUB;S11JZHCB.SPK;1;;8270F.M

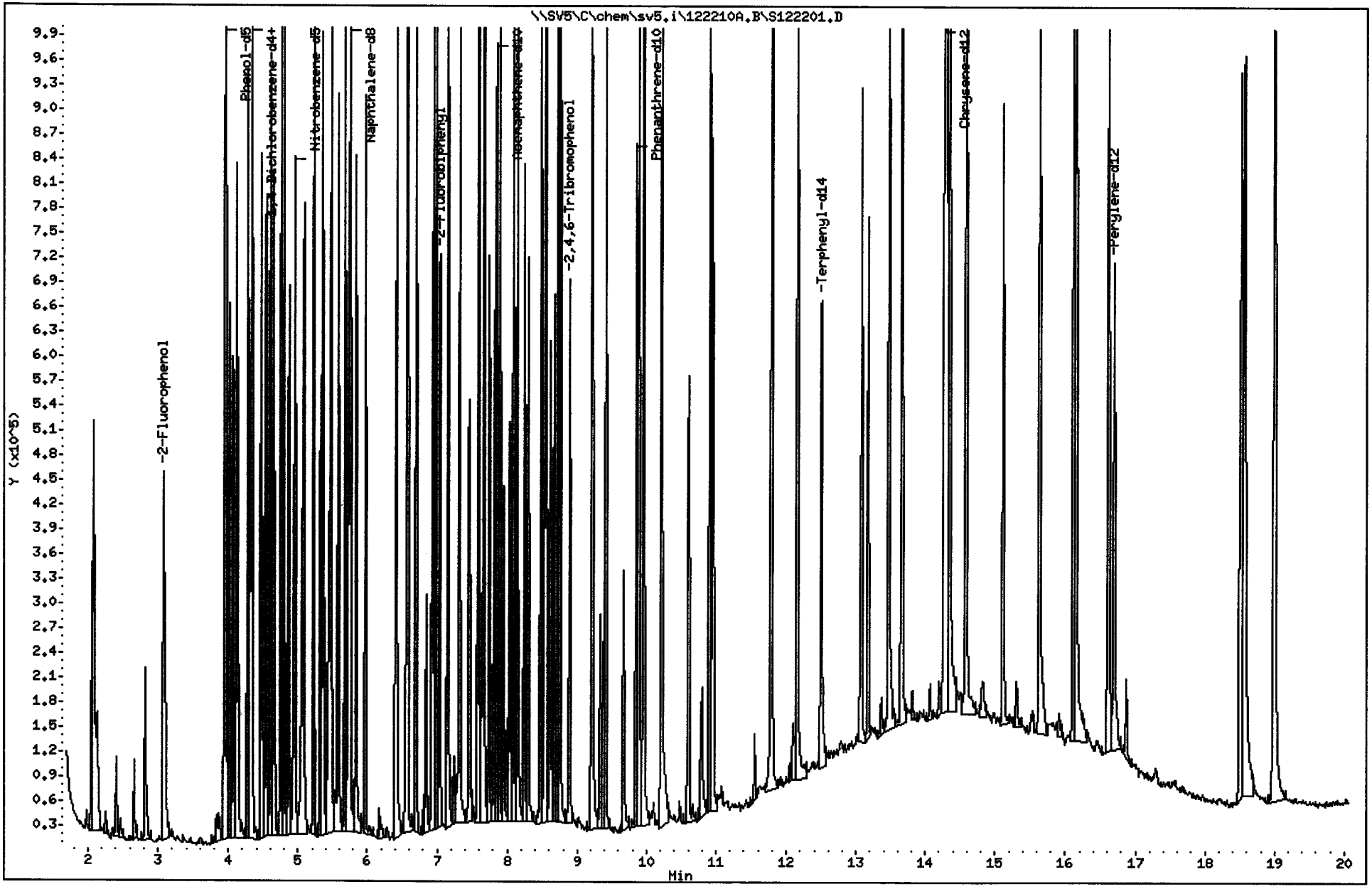
SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
108 Hexachlorobenzene	100.0	84.49	84.49	70-100

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 7 2-Fluorophenol	100.0	61.77	61.77	41-105
$ 8 Phenol-d5	100.0	65.97	65.97	43-122
$ 10 1,2-Dichlorobenzen	50.00	41.07	82.14	60-120
$ 11 Nitrobenzene-d5	50.00	32.97	65.95	46-118
$ 12 2-Fluorobiphenyl	50.00	37.34	74.68	58-105
$ 13 2,4,6-Tribromophen	100.0	84.87	84.87	61-118
$ 14 Terphenyl-d14	50.00	37.22	74.45	69-110

Data File: \\SV5\C\chem\sv5.i\122210A.B\S122201.D
Date : 22-DEC-2010 21:08
Client ID:
Sample Info: MCJNQ1QAD G0L170000-383L;3;LCSD;;1000;;1000;2
Volume Injected (uL): 1.0
Column phase:

Instrument: sv5.i

Operator: KT
Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122210A.B\S122201.D

Date : 22-DEC-2010 21:08

Client ID:

Instrument: sv5.i

Sample Info: MCJNQ1QAD G0L170000-383L;3;LCSD;;1000;;1000;2

Volume Injected (uL): 1.0

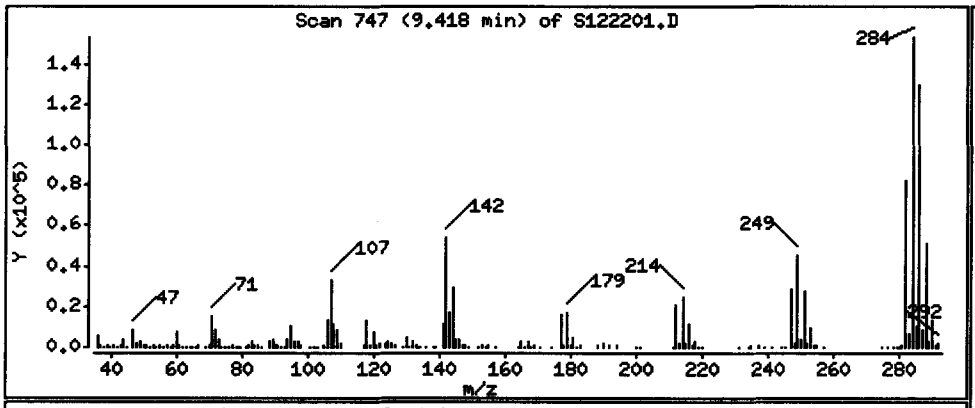
Operator: KT

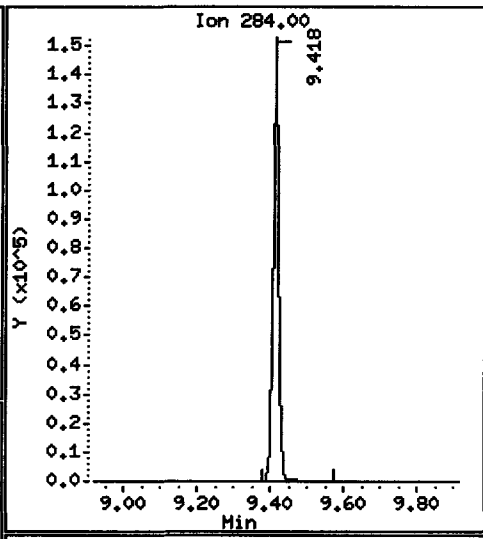
Column phase:

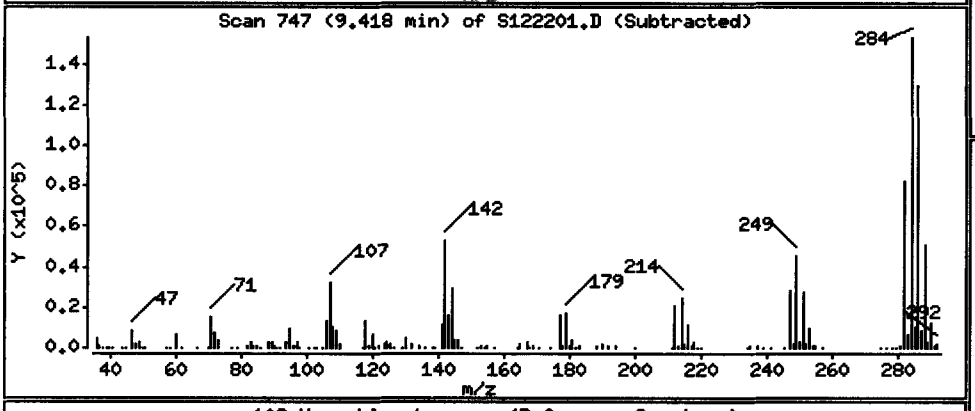
Column diameter: 2.00

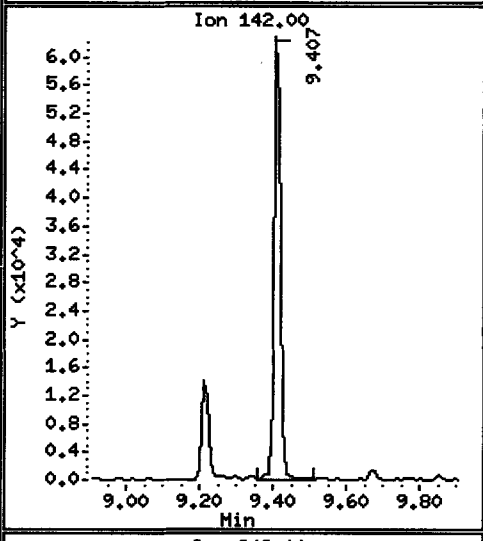
108 Hexachlorobenzene

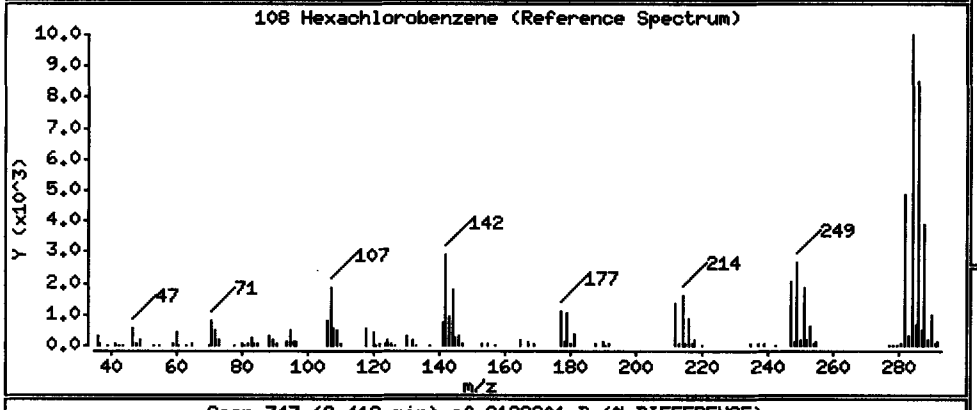
Concentration: 84.49 ug/L

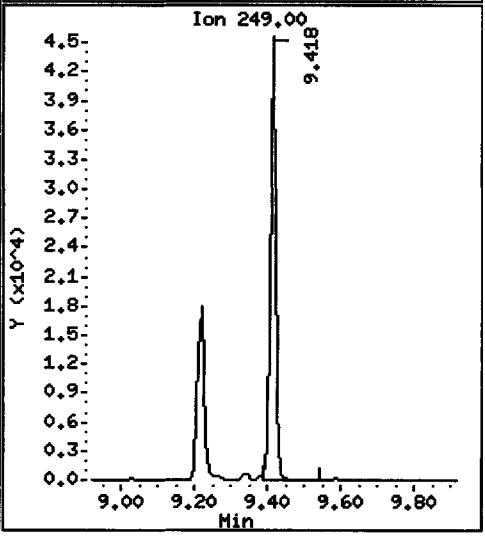


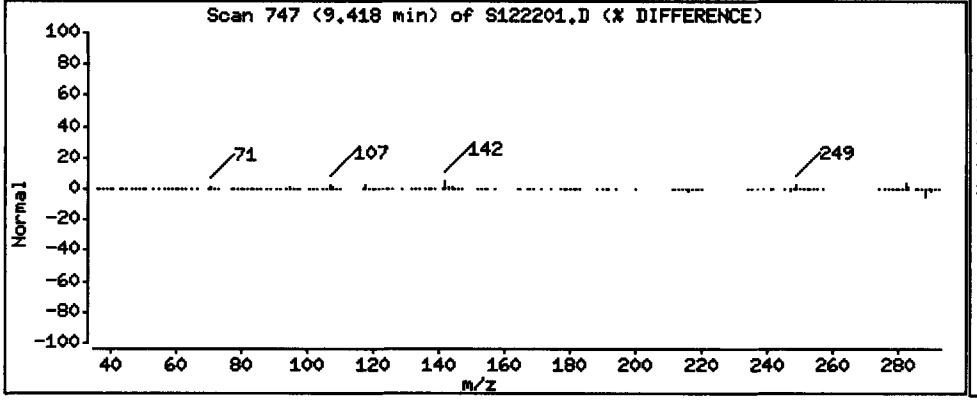












Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
MS SemiVOA ICAL Checklist
Method 8270C

Instrument: SV5

Injection Date: 12/20/10

Initiator/Date: KT-12/20/10

Reviewer/Date: BJ 12/22/10

DFTPP Mix ID: 10MSSV0129

STD Mix IDs: 10MSSV0307-0313

2nd Source Mix ID: 10MSSV0314, 342

NCM _____

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

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

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

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

III: Other Criteria

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

File Name: _____

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

None

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

None

Report Date : 20-Dec-2010 16:49

12/20/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

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

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
15 N-Nitrosodimethylamine	1.15145	1.08376	1.15438	1.06494	1.11953	1.13729					
	1.15233						AVRG		1.12338		3.20532
16 Pyridine	1.62986	1.88206	1.77403	1.82894	1.92659	1.94713					
	1.77317						AVRG		1.82311		6.00227
23 Aniline	2.59836	2.56699	2.60361	2.54206	2.59022	2.66875					
	2.66780						AVRG		2.60540		1.83253
24 Phenol	1.95208	2.06673	2.08962	2.00791	2.08458	2.13817					
	2.12706						AVRG		2.06659		3.19706

Manual condition for Indeno(1,2,3-cd)pyrene @ Level 5:

$\frac{773857}{408400} \times \frac{40}{80} = 0.94743$ By 12/22/10

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
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Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
26 Bis(2-chloroethyl)ether	1.65483	1.74908	1.70813	1.66776	1.71971	1.71705					
	1.74868						AVRG		1.70932		2.13569
27 2-Chlorophenol	1.59244	1.52350	1.58965	1.55951	1.62694	1.65556					
	1.65628						AVRG		1.60056		3.08549
28 1,3-Dichlorobenzene	1.73822	1.67652	1.72973	1.67530	1.72468	1.73700					
	1.76827						AVRG		1.72139		1.97620
29 1,4-Dichlorobenzene	1.79145	1.75045	1.79440	1.72740	1.74703	1.81129					
	1.78315						AVRG		1.77216		1.72778
30 Benzyl Alcohol	1.15199	1.11028	1.09679	1.06297	1.13394	1.17038					
	1.18688						AVRG		1.13046		3.84723
31 1,2-Dichlorobenzene	1.81516	1.59376	1.64563	1.59601	1.63224	1.68452					
	1.67892						AVRG		1.66375		4.55062
32 2-Methylphenol	1.52084	1.46158	1.60289	1.48651	1.54994	1.58123					
	1.60072						AVRG		1.54339		3.62078

TestAmerica West Sacramento

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Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
33 2,2'-oxybis(1-Chloropropane)	3.34773	3.30558	3.31729	3.20840	3.26362	3.38196					
	3.36215						AVRG		3.31239		1.82093
34 4-Methylphenol	1.62310	1.54473	1.60348	1.53743	1.62989	1.68431					
	1.68689						AVRG		1.61569		3.69148
36 Hexachloroethane	0.71609	0.69109	0.69894	0.69821	0.72041	0.73550					
	0.72087						AVRG		0.71159		2.23295
37 N-Nitrosodinpropylamine	1.35542	1.33855	1.31319	1.25628	1.27305	1.33580					
	1.33147						AVRG		1.31482		2.79508
42 Nitrobenzene	0.39664	0.37709	0.39241	0.36831	0.38828	0.39043					
	0.39014						AVRG		0.38619		2.56396
44 Isophorone	0.66651	0.71726	0.68802	0.69045	0.72311	0.73475					
	0.71698						AVRG		0.70530		3.41838
45 2-Nitrophenol	0.14619	0.14864	0.15977	0.16086	0.17504	0.18429					
	0.18774						AVRG		0.16608		9.97831

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
46 2,4-Dimethyphenol	0.34379	0.37368	0.36225	0.36430	0.36526	0.38367					
	0.37361						AVRG		0.36665		3.40857
47 Bis(2-chloroethoxy)methane	0.44578	0.44058	0.44248	0.42005	0.44735	0.45279					
	0.43814						AVRG		0.44103		2.36299
49 2,4-Dichlorophenol	0.24368	0.26158	0.26797	0.25363	0.27253	0.27413					
	0.27153						AVRG		0.26358		4.30583
50 Benzoic Acid	6602	12603	29889	73413	179448	268309					
	487014						QUAD	0.10205	6.76767	-2.10689	0.99856
51 1,2,4-Trichlorobenzene	0.30070	0.30258	0.30449	0.29453	0.29982	0.31266					
	0.29563						AVRG		0.30149		2.01346
52 Naphthalene	1.18091	1.10045	1.06677	1.04853	1.10529	1.10922					
	1.09297						AVRG		1.10059		3.79382
54 4-Chloroaniline	0.43998	0.43668	0.43634	0.41512	0.44211	0.45061					
	0.44144						AVRG		0.43747		2.49997

TestAmerica West Sacramento

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Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
57 Hexachlorobutadiene	0.14216	0.15923	0.15903	0.14725	0.14893	0.15570					
	0.14930						AVRG		0.15165		4.26303
60 4-Chloro-3-Methylphenol	0.28646	0.31741	0.29470	0.29143	0.31110	0.32295					
	0.32367						AVRG		0.30682		5.10683
63 2-Methylnaphthalene	0.65956	0.66445	0.66612	0.64633	0.68151	0.68131					
	0.67782						AVRG		0.66816		1.94439
66 Hexachlorocyclopentadiene	0.26765	0.29719	0.28760	0.28474	0.30003	0.31316					
	0.31825						AVRG		0.29552		5.87206
69 2,4,6-Trichlorophenol	0.27525	0.27383	0.28168	0.27921	0.29355	0.31103					
	0.31051						AVRG		0.28929		5.53207
70 2,4,5-Trichlorphenol	0.32876	0.27281	0.31663	0.31924	0.33037	0.35047					
	0.34737						AVRG		0.32366		7.98387
71 2-Chloronaphthalene	1.14202	1.13771	1.13279	1.12022	1.13485	1.16916					
	1.15792						AVRG		1.14210		1.43862

TestAmerica West Sacramento

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Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
73 2-Nitroaniline	0.33778	0.36810	0.36186	0.38171	0.42807	0.44508					
	0.46089						AVRG		0.39764		11.78068
76 Dimethylphthalate	1.28139	1.37183	1.32665	1.27165	1.33126	1.36015					
	1.35395						AVRG		1.32813		2.91424
77 Acenaphthylene	1.82512	1.87644	1.80048	1.80856	1.83429	1.89111					
	1.87303						AVRG		1.84415		1.94443
79 2,6-Dinitrotoluene	0.24142	0.24326	0.24407	0.27523	0.28658	0.29715					
	0.29979						AVRG		0.26964		9.73037
80 3-Nitroaniline	0.29907	0.31845	0.30637	0.33503	0.35118	0.36397					
	0.37561						AVRG		0.33567		8.71206
81 Acenaphthene	1.25828	1.22813	1.23662	1.22773	1.23266	1.25552					
	1.26669						AVRG		1.24366		1.29263
82 2,4-Dinitrophenol	2590	5225	11337	24494	58760	93720					
	174627						QUAD	0.06308	11.54506	-7.48968	0.99813

TestAmerica West Sacramento

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Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
83 Dibenzofuran	1.57485	1.57491	1.61366	1.56242	1.60950	1.63904					
	1.61489						AVRG		1.59847		1.74723
84 4-Nitrophenol	0.12907	0.13138	0.15589	0.14857	0.15449	0.18186					
	0.17678						AVRG		0.15401		13.15217
86 2,4-Dinitrotoluene	10487	18313	43104	98845	228375	319609					
	555961						QUAD	0.06081	2.88398	-0.26200	0.99973
91 Fluorene	1.32265	1.27824	1.32607	1.31514	1.33238	1.36551					
	1.34407						AVRG		1.32629		2.02735
92 Diethylphthalate	1.30677	1.28747	1.31332	1.31501	1.31671	1.36624					
	1.35409						AVRG		1.32280		2.08391
93 4-Chlorophenyl-phenylether	0.54666	0.59728	0.58260	0.59564	0.58656	0.59431					
	0.58781						AVRG		0.58441		2.99186
94 4-Nitroaniline	0.26651	0.29778	0.29511	0.34068	0.34027	0.36254					
	0.34261						AVRG		0.32079		10.74538

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

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Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
97 4,6-Dinitro-2-methylphenol	3673	7314	16176	38554	95473	143747					
	258093						QUAD	0.09563	10.80296	-5.65894	0.99867
98 N-Nitrosodiphenylamine	0.56997	0.58098	0.57176	0.59058	0.59444	0.60559					
	0.61747						AVRG		0.59011		2.96193
100 Azobenzene	0.98339	0.97406	0.96751	0.98563	0.99788	1.03515					
	1.01366						AVRG		0.99390		2.38680
101 4-Bromophenyl-phenylether	0.18993	0.20032	0.20124	0.20277	0.21466	0.21850					
	0.22206						AVRG		0.20707		5.59269
108 Hexachlorobenzene	0.25150	0.24702	0.22551	0.22079	0.22560	0.23160					
	0.23337						AVRG		0.23363		4.93579
110 Pentachlorophenol	0.09576	0.08522	0.09621	0.10045	0.10923	0.12027					
	0.12184						AVRG		0.10414		13.02573
114 Phenanthrene	1.25349	1.20984	1.20988	1.23199	1.21337	1.26894					
	1.24734						AVRG		1.23355		1.92197

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
115 Anthracene	1.14958	1.21883	1.18907	1.25164	1.22425	1.28737					
	1.29089						AVRG		1.23023		4.16686
118 Carbazole	1.14729	1.14211	1.10890	1.14151	1.10238	1.15323					
	1.16452						AVRG		1.13713		2.01838
120 Di-n-Butylphthalate	1.30869	1.27946	1.33166	1.35592	1.39610	1.51082					
	1.50713						AVRG		1.38425		6.69411
126 Fluoranthene	1.10998	1.13871	1.14149	1.15342	1.14469	1.20525					
	1.19637						AVRG		1.15570		2.91647
127 Benzidine	0.68350	0.69911	0.71036	0.76126	0.80842	0.87578					
	0.86144						AVRG		0.77141		10.20082
128 Pyrene	1.27965	1.28346	1.31624	1.31347	1.38111	1.45130					
	1.46458						AVRG		1.35569		5.71228
134 3,3'-dimethylbenzidine	0.64301	0.63788	0.66584	0.71429	0.75704	0.77793					
	0.79462						AVRG		0.71294		9.15921

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
136 Butylbenzylphthalate	0.56777	0.55680	0.59880	0.61114	0.64836	0.67649					
	0.67934						AVRG		0.61981		8.00419
138 Benzo(a)Anthracene	1.07072	1.04593	1.03424	1.06011	1.07660	1.12072					
	1.10238						AVRG		1.07296		2.83715
139 Chrysene	1.08454	1.09586	1.08895	1.07829	1.10463	1.10360					
	1.08899						AVRG		1.09212		0.89311
140 3,3'-Dichlorobenzidine	0.37609	0.39954	0.38310	0.39555	0.42850	0.41886					
	0.44057						AVRG		0.40603		5.89448
141 bis(2-ethylhexyl)Phthalate	0.80833	0.77940	0.85477	0.84503	0.90772	0.94164					
	0.94361						AVRG		0.86864		7.40528
142 Di-n-octylphthalate	1.19705	1.24752	1.30116	1.31220	1.39451	1.48005					
	1.53594						AVRG		1.35263		9.11127
144 Benzo(b)fluoranthene	1.03868	0.96748	0.99479	1.10524	1.11698	1.16973					
	1.11022						AVRG		1.07188		6.82781

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	160.0000 Level 7										
145 Benzo(k)fluoranthene	1.23672	1.20595	1.24833	1.14528	1.13819	1.21656					
	1.26117						AVRG		1.20746		4.02339
147 Benzo(e)pyrene	1.01610	1.00155	1.01084	1.05347	1.01591	1.08340					
	1.06519						AVRG		1.03521		3.05953
148 Benzo(a)pyrene	1.06015	1.05544	1.09297	1.09544	1.10580	1.15451					
	1.16216						AVRG		1.10378		3.77409
151 Indeno(1,2,3-cd)pyrene	0.86513	0.88724	0.85531	0.91985	0.94743	0.96700					
	0.92600						AVRG		0.90971		4.60384
152 Dibenzo(a,h)anthracene	0.92407	0.94059	0.95199	0.96811	1.00166	1.03632					
	1.03299						AVRG		0.97939		4.57640
153 Benzo(g,h,i)perylene	1.02421	1.00471	1.04569	0.98528	1.01170	1.02852					
	1.02598						AVRG		1.01801		1.90915
M 162 benzo b,k Fluoranthene Totals	2.27539	2.17343	2.24312	2.25052	2.25517	2.38629					
	2.37139						AVRG		2.27933		3.29639

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1 / 160.0000 Level 7	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	Curve	Coefficients b	Coefficients m1	Coefficients m2	%RSD or R^2
$ 7 2-Fluorophenol	1.60681	1.44842	1.51619	1.50454	1.53257	1.60022					
	1.59096						AVRG		1.54282		3.82532
$ 8 Phenol-d5	2.07391	1.88963	1.92840	1.89201	1.96488	2.00267					
	2.00734						AVRG		1.96555		3.43927
$ 9 2-Chlorophenol-d4	1.62633	1.66692	1.65225	1.64126	1.67131	1.74699					
	1.73351						AVRG		1.67694		2.74171
$ 10 1,2-Dichlorobenzene-d4	0.97939	0.98500	0.94941	0.94215	0.97686	0.99647					
	0.98822						AVRG		0.97393		2.08927
$ 11 Nitrobenzene-d5	0.35767	0.36190	0.35857	0.34906	0.36783	0.38220					
	0.37319						AVRG		0.36435		3.02077
$ 12 2-Fluorobiphenyl	1.27263	1.23466	1.26650	1.20687	1.23455	1.27930					
	1.25424						AVRG		1.24982		2.06477
$ 13 2,4,6-Tribromophenol	0.13602	0.14110	0.15503	0.14712	0.15770	0.16929					
	0.17216						AVRG		0.15406		8.85074

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

Compound	5.0000 Level 1	10.0000 Level 2	20.0000 Level 3	50.0000 Level 4	80.0000 Level 5	120.0000 Level 6	160.0000 Level 7	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 14 Terphenyl-d14	0.77012	0.78761	0.79959	0.79306	0.83782	0.87907	0.88708	AVRG		0.82205		5.65294

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:49 onishim

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

Signal Calibration Report

Method : \\Sv5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit: 21-Dec-2010 15:38 sv5.i
Compound : 82 2,4-Dinitrophenol
Mass: 184.00
Istd Compound: * 3 Acenaphthene-d10

Calibration Formulas

Calibration Mode: by Response

Curve Type: Averaged
Origin: None
Amt = Rsp/m1
m1 = 0.08981913230000
RSD: 24.566

Initial Calibration Table

Lvl	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor
1	7.956	5.00000	2590	7.863	40.000	336078	0.06165235451294
2	7.956	10.00000	5225	7.863	40.000	275558	0.07584610136523
3	7.956	20.00000	11337	7.863	40.000	289658	0.07827852156681
4	7.956	50.00000	24494	7.863	40.000	234996	0.08338524911062
5	7.967	80.00000	58760	7.863	40.000	319594	0.09192913509015
6	7.967	120.00000	93720	7.863	40.000	276836	0.11284659509601
7	7.967	160.00000	174627	7.863	40.000	349825	0.12479596941328

Lvl	Sublist	Calibration File
1	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220A
2	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220B
3	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220C
4	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI
5	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220E
6	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220F
7	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220G

Continuing Calibration Table

Ind	RT	Amount	Response	RT	Istd Amount	Istd Response	Response Factor

Report Date: 20-Dec-2010 16:59

Calibration History

Method : \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Start Cal Date: 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 5.00000		
17-AUG-2010 21:45	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817A.D
20-DEC-2010 11:54	1_8270STD	\\sv5\c\chem\sv5.i\122010A.B\HSL1220A.D
Cal Level: 2 , Cal Amount: 10.00000		
17-AUG-2010 22:11	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817B.D
20-DEC-2010 12:20	1_8270STD	\\sv5\c\chem\sv5.i\122010A.B\HSL1220B.D
Cal Level: 3 , Cal Amount: 20.00000		
17-AUG-2010 22:37	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817C.D
20-DEC-2010 12:45	1_8270STD	\\sv5\c\chem\sv5.i\122010A.B\HSL1220C.D
Cal Level: 4 , Cal Amount: 50.00000		
17-AUG-2010 21:19	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817D.D
20-DEC-2010 13:17	1_8270STD	\\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI.D
Cal Level: 5 , Cal Amount: 80.00000		
17-AUG-2010 23:03	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817E.D
20-DEC-2010 13:43	1_8270STD	\\sv5\c\chem\sv5.i\122010A.B\HSL1220E.D
Cal Level: 6 , Cal Amount: 120.00000		
17-AUG-2010 23:29	2AP9STD	\\SV5\C\chem\sv5.i\081710.B\AP90817F.D
20-DEC-2010 14:08	1_8270STD	

\\sv5\c\chem\sv5.i\122010A.B\HSL1220F.D

Cal Level: 7 , Cal Amount: 160.00000
17-AUG-2010 23:55 | 2AP9STD
\\SV5\C\chem\sv5.i\081710.B\AP90817G.D
20-DEC-2010 14:34 | 1_8270STD
\\sv5\c\chem\sv5.i\122010A.B\HSL1220G.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

20-DEC-2010 15:00	1_8270STD
\\sv5\c\chem\sv5.i\122010A.B\HSL1220H.D	
20-DEC-2010 15:25	BenzICV
\\sv5\c\chem\sv5.i\122010A.B\HSL1220I.D	
20-DEC-2010 13:17	1_8270STD
\\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI.D	
20-DEC-2010 11:29	1_8270STD
\\SV5\C\chem\sv5.i\122010A.B\HSL1220D.D	
20-DEC-2010 10:36	1_8270STD
\\SV5\C\chem\sv5.i\122010.B\QC1220.D	
18-DEC-2010 14:51	1_8270STD
\\SV5\C\chem\sv5.i\121810.B\QC1218E.D	
18-DEC-2010 13:28	1_8270STD
\\SV5\C\chem\sv5.i\121810.B\QC1218B.D	
18-DEC-2010 13:54	1_8270STD
\\SV5\C\chem\sv5.i\121810.B\QC1218C.D	
17-DEC-2010 12:41	1_8270STD
\\SV5\C\chem\sv5.i\121710.B\HSL1217.D	
16-DEC-2010 17:06	1_8270STD
\\SV5\C\chem\sv5.i\121610.B\QC1216.D	
16-DEC-2010 18:14	2AP9STD
\\SV5\C\chem\sv5.i\121610.B\AP91216.D	
16-DEC-2010 17:49	1_8270STD
\\SV5\C\chem\sv5.i\121610.B\HSL1216.D	
15-DEC-2010 16:26	1_8270STD
\\sv5\c\chem\sv5.i\121510A.B\HSL1215A.D	
15-DEC-2010 14:04	1_8270STD
\\SV5\C\chem\sv5.i\121510.B\QC1215.D	
15-DEC-2010 14:46	1_8270STD
\\SV5\C\chem\sv5.i\121510.B\HSL1215.D	
14-DEC-2010 17:38	1_8270STD
\\sv5\c\chem\sv5.i\121410.B\HSL1214.D	
14-DEC-2010 16:55	1_8270STD
\\SV5\C\chem\sv5.i\121410.B\QC001A.D	
13-DEC-2010 12:49	1_8270STD
\\sv5\c\chem\sv5.i\121310A.B\HSL1213A.D	
13-DEC-2010 12:07	1_8270STD
\\SV5\C\chem\sv5.i\121310A.B\QC001A.D	
13-DEC-2010 11:36	1_8270STD
\\SV5\C\chem\sv5.i\121310.B\HSL1213.D	
13-DEC-2010 10:53	1_8270STD
\\SV5\C\chem\sv5.i\121310.B\QC001.D	
10-DEC-2010 14:45	1_8270STD
\\sv5\c\chem\sv5.i\121010.B\HSL1210.D	
10-DEC-2010 14:02	1_8270STD
\\SV5\C\chem\sv5.i\121010.B\QC001.D	
09-DEC-2010 17:52	1_8270STD
\\sv5\c\chem\sv5.i\120910.B\HSL1209.D	
09-DEC-2010 17:09	1_8270STD
\\SV5\C\chem\sv5.i\120910.B\QC001.D	

TestAmerica West Sacramento Page# _____

GC/MS INSTRUMENT LOG
SEMI-VOLATILES

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

Inst ID : sv5.i
Batch ID : 122010A.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
20-DEC-2010	11:08	KT	DFTPP 50ug/ml	DFT1220.D	NA	NA	NA		
20-DEC-2010	11:54	KT	HSL_005 ug/ml CS-1	HSL1220A.	NA	NA	NA		
20-DEC-2010	12:20	KT	HSL_010 ug/ml CS-2	HSL1220B.	NA	NA	NA		
20-DEC-2010	12:45	KT	HSL_020 ug/ml CS-3	HSL1220C.	NA	NA	NA		
20-DEC-2010	13:17	KT	HSL_050 ug/ml CS-4	HSL1220DR	NA	NA	NA		
20-DEC-2010	13:43	KT	HSL_080 ug/ml CS-5	HSL1220E.	NA	NA	NA		
20-DEC-2010	14:08	KT	HSL_120 ug/ml CS-6	HSL1220F.	NA	NA	NA		
20-DEC-2010	14:34	KT	HSL_160 ug/ml CS-7	HSL1220G.	NA	NA	NA		
20-DEC-2010	15:00	KT	HSL_050 ug/ml ICV	HSL1220H.	NA	NA	NA		
20-DEC-2010	15:25	KT	Benzidines ICV 50ug/mL	HSL1220I.	NA	NA	NA		

TAILING FACTOR/DEGRADATION SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.4363392	5.000	PASS
Benzidine	0.3973852	3.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	499683	9.9	20.5	PASS

Sample //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D

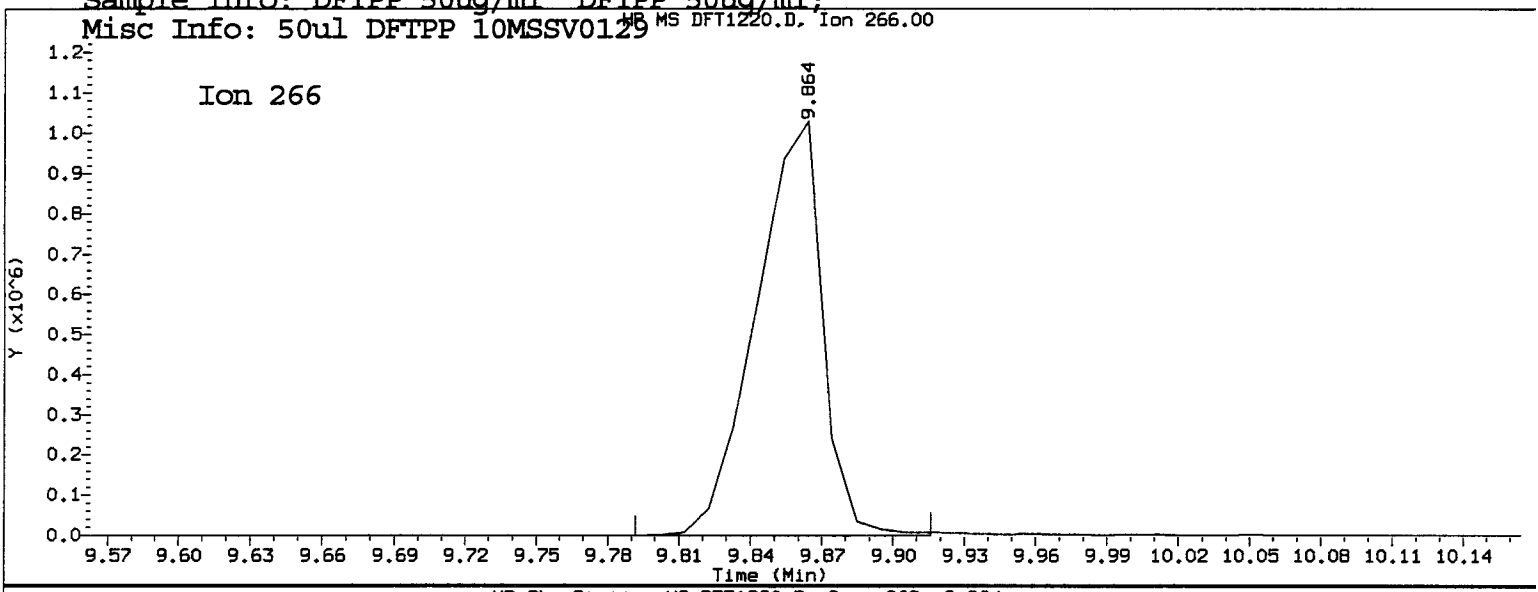
****
*** PASSED ***
****

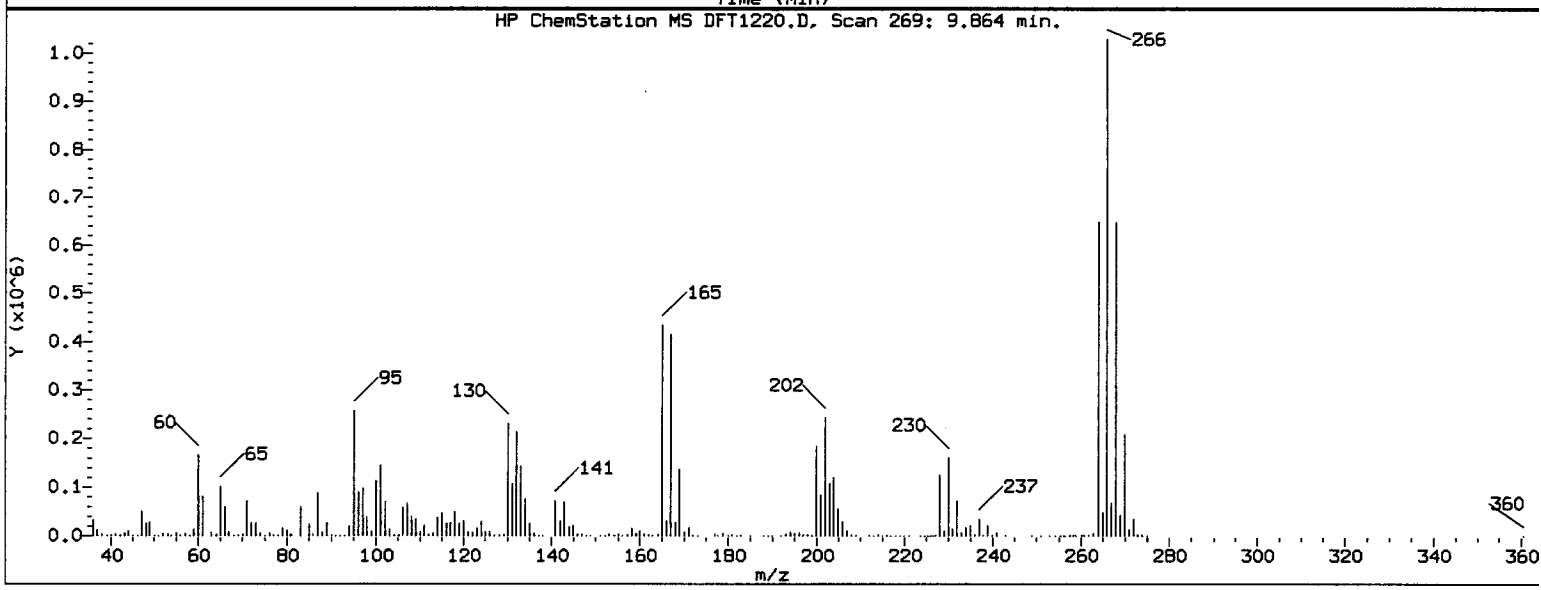
12/20/10

TAILING FACTOR/DEGRADATION SAMPLE AND GRAPHIC REPORT

Report Date: 12/20/2010 17:04

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 11:08 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Pentachlorophenol
==========
Exp. RT = 9.864
Found RT = 9.864

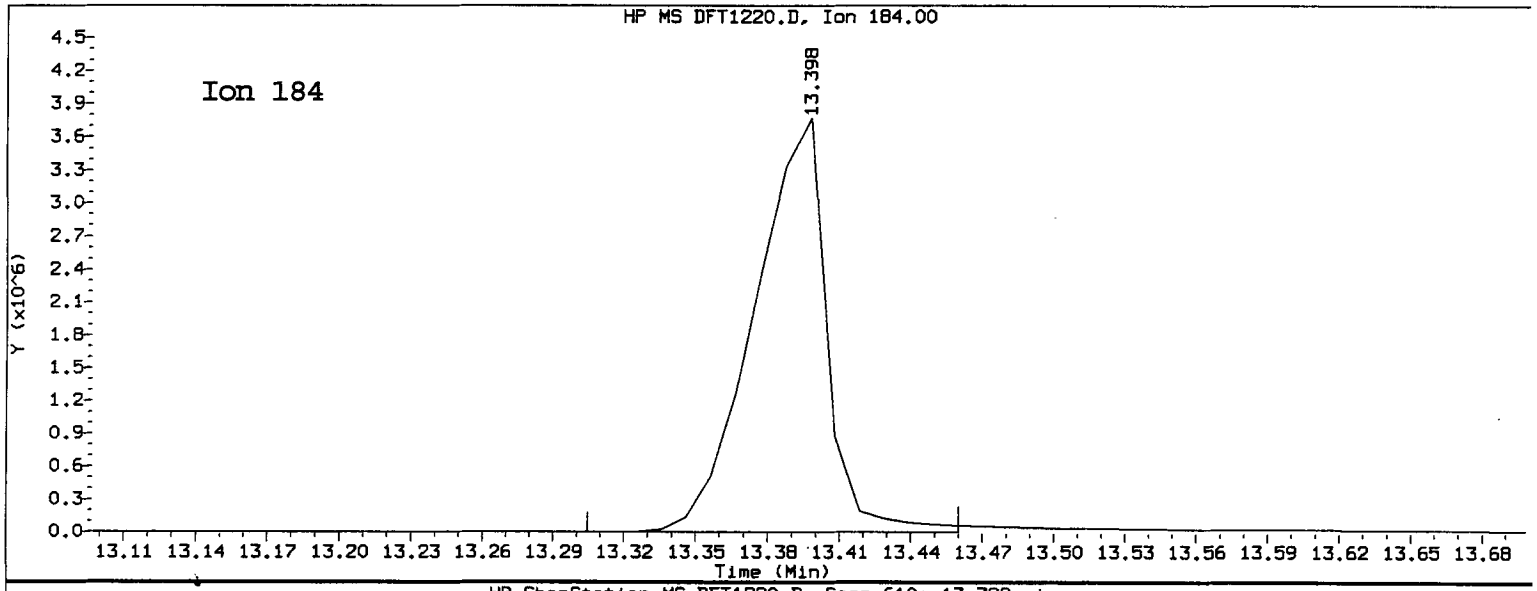
Time1 = 9.824491 Time2 = 9.864117 Time3 = 9.881407
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

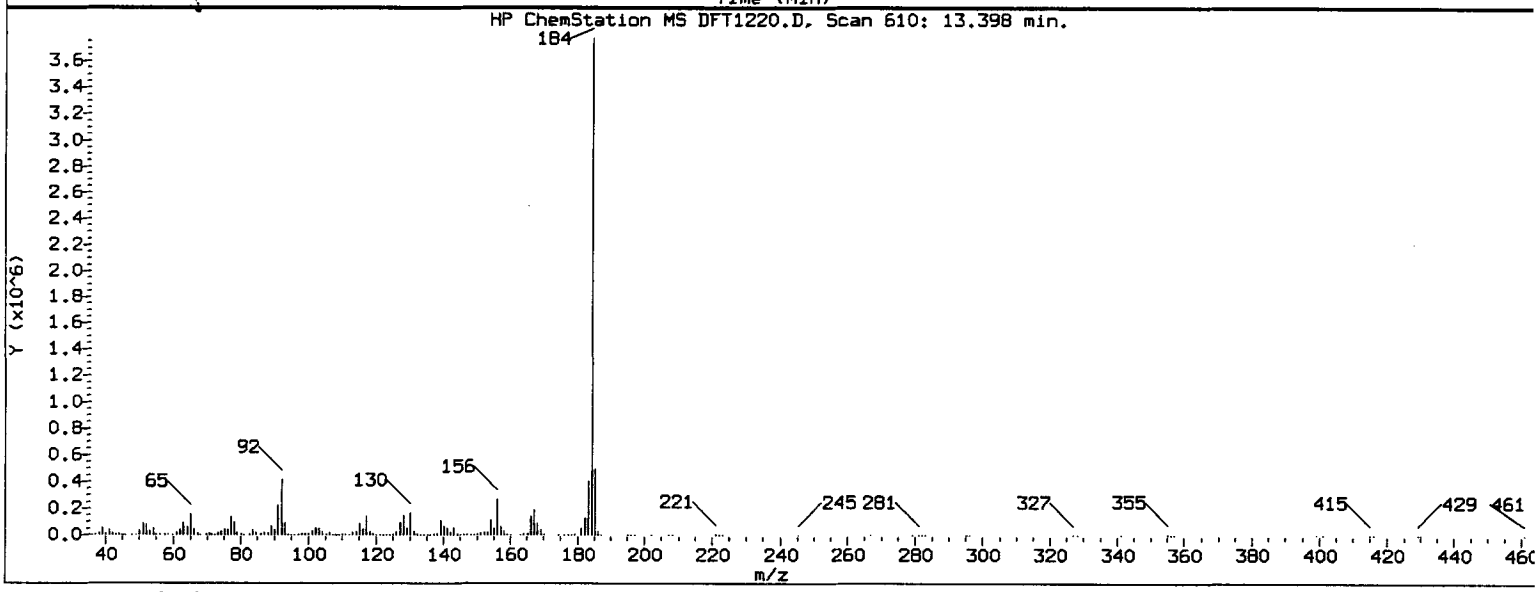
Tailing factor for Pentachlorophenol OK

Tail Factor = 0.436 Maximum Allowed = 5.0

Report Date: 12/20/2010 17:04

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 11:08 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129





Benzidine
=========
Exp. RT = 13.398
Found RT = 13.398

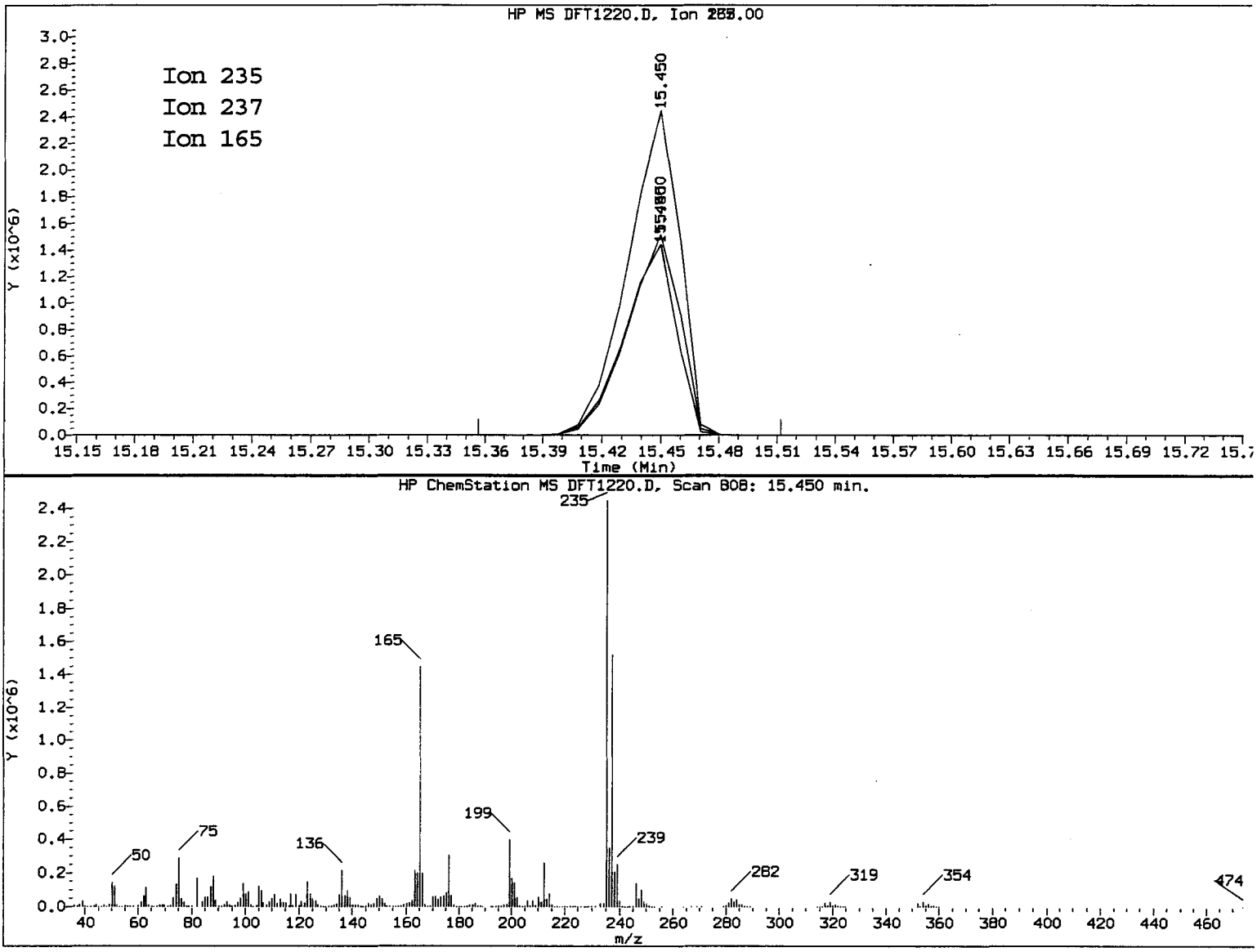
Time1 = 13.35287 Time2 = 13.3979 Time3 = 13.4158
Tailing Factor = (Time3 - Time2)/(Time2 - Time1)

Tailing factor for Benzidine OK

Tail Factor = 0.397 Maximum Allowed = 3.0

Report Date: 12/20/2010 17:04

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 11:08 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

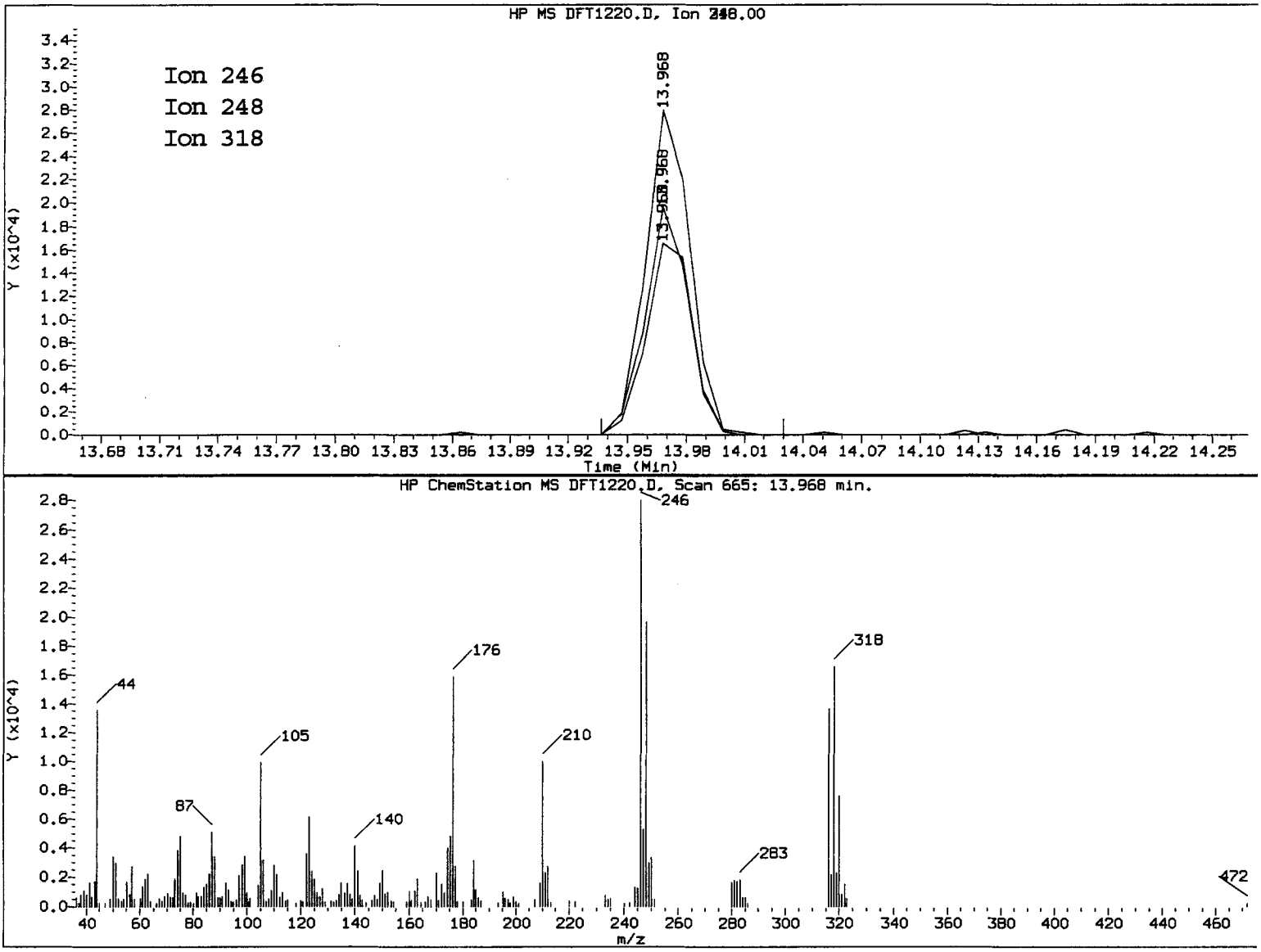


4,4'-DDT
========
Exp. RT = 15.450
Found RT = 15.450

Mass	Area	Ratio
235	4531365	100.00
237	2826791	62.38
165	2653599	58.56

Report Date: 12/20/2010 17:04

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 11:08 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

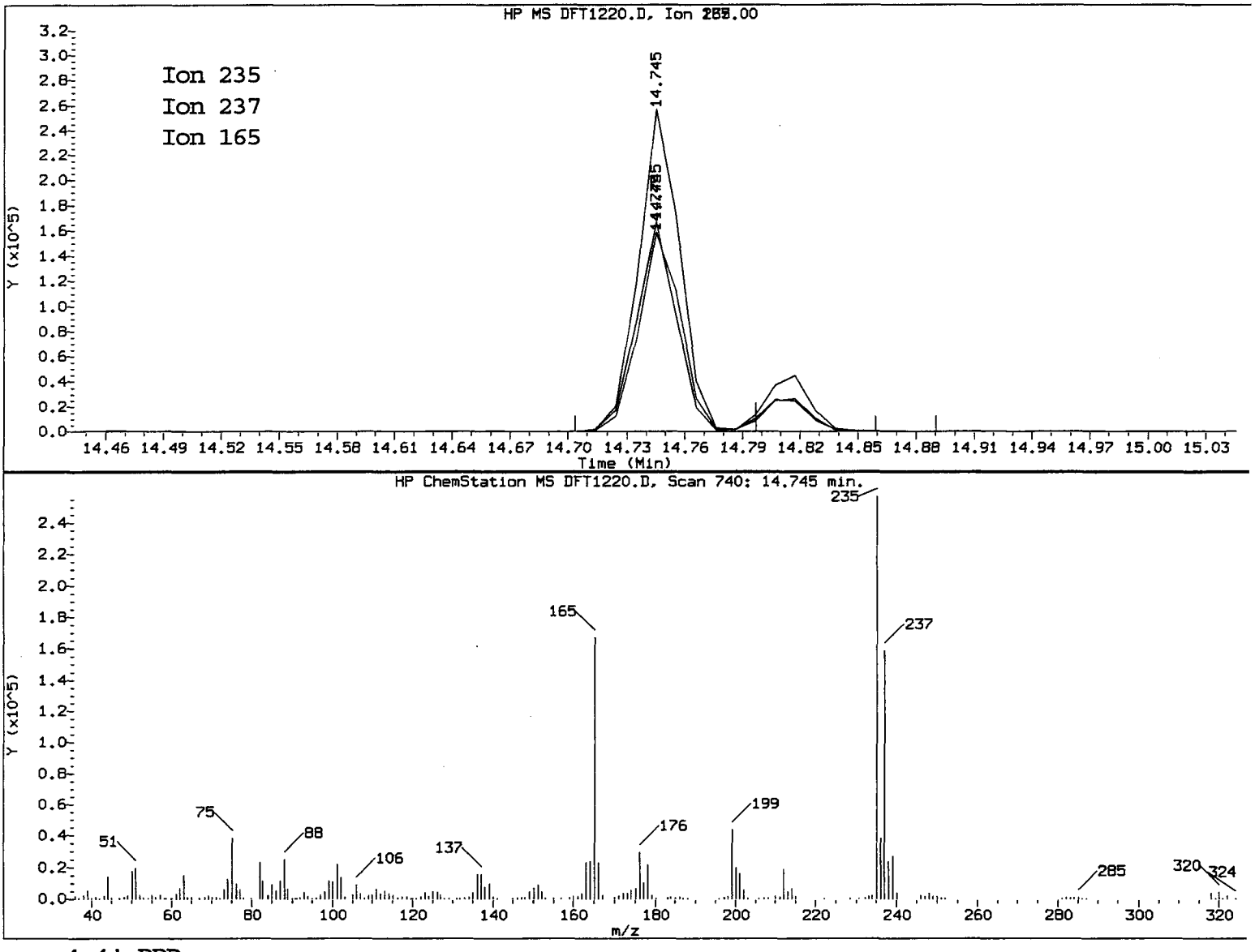


4,4'-DDE
========
Exp. RT = 13.968
Found RT = 13.968

Mass	Area	Ratio
246	44290	100.00
248	30381	68.60
318	27597	62.31

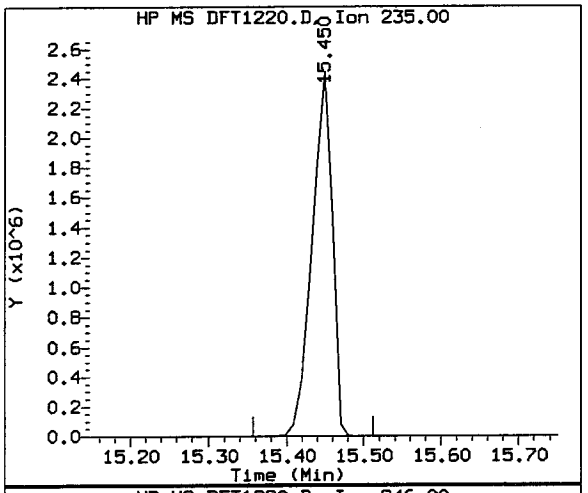
Report Date: 12/20/2010 17:04

Datafile Analyzed: //SV5/C/chem/sv5.i/122010A.B/DFT1220.D/DFT1220.D
Method Used: \\SV5\C\chem\sv5.i\122010A.B\DFTPP.M\resol.m Inst: sv5
Injection Date: 20-DEC-2010 11:08 Operator: KT
Sample Info: DFTPP 50ug/ml DFTPP 50ug/ml;
Misc Info: 50ul DFTPP 10MSSV0129

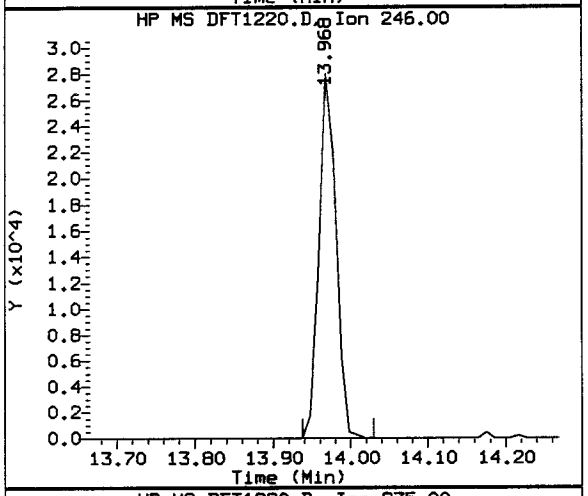


4,4'-DDD
========
Exp. RT = 14.745
Found RT = 14.745

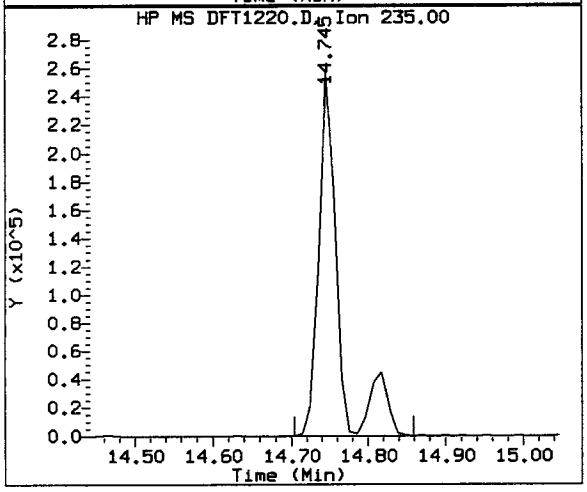
Mass	Area	Ratio
235	455393	100.00
237	287151	63.06
165	249732	54.84



Compound: 4,4'-DDT
Quant Mass: 235
RT: 15.450
Area: 4531365



Compound: 4,4'-DDE
Quant Mass: 246
RT: 13.968
Area: 44290



Compound: 4,4'-DDD
Quant Mass: 235
RT: 14.745
Area: 455393

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDD + DDE	499683	9.9	20.5	PASS

TestAmerica West Sacramento

Data file : \\SV5\C\chem\sv5.i\122010A.B\DFT1220.D
Lab Smp Id: DFTPP 50ug/ml
Inj Date : 20-DEC-2010 11:08
Operator : KT Inst ID: sv5.i
Smp Info : DFTPP 50ug/ml;
Misc Info : 50ul DFTPP 10MSSV0129
Comment :
Method : \\SV5\C\chem\sv5.i\122010A.B\DFTPP.m
Meth Date : 20-Dec-2010 17:04 onishim Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 96 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: SV5

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	REL RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
11.294	11.294	(0.000)	198	1640448			0.00- 100.00	100.00
11.294	11.294	(0.000)	51	884160			30.00- 60.00	53.90
11.294	11.294	(0.000)	68	11212			0.00- 2.00	1.54
11.294	11.294	(0.000)	69	728832			0.00- 0.00	44.43
11.294	11.294	(0.000)	70	3164			0.00- 2.00	0.43
11.294	11.294	(0.000)	127	883776			40.00- 60.00	53.87
11.294	11.294	(0.000)	197	11734			0.00- 1.00	0.72
11.294	11.294	(0.000)	199	109672			5.00- 9.00	6.69
11.294	11.294	(0.000)	275	340544			10.00- 30.00	20.76
11.294	11.294	(0.000)	365	50472			1.00- 0.00	3.08
11.294	11.294	(0.000)	441	201600			0.01- 99.99	75.74
11.294	11.294	(0.000)	442	1398784			40.00- 0.00	85.27
11.294	11.294	(0.000)	443	266176			17.00- 23.00	19.03

Data File: \\SV5\C\chem\sv5.i\122010A.B\DFT1220.D

Date : 20-DEC-2010 11:08

Client ID:

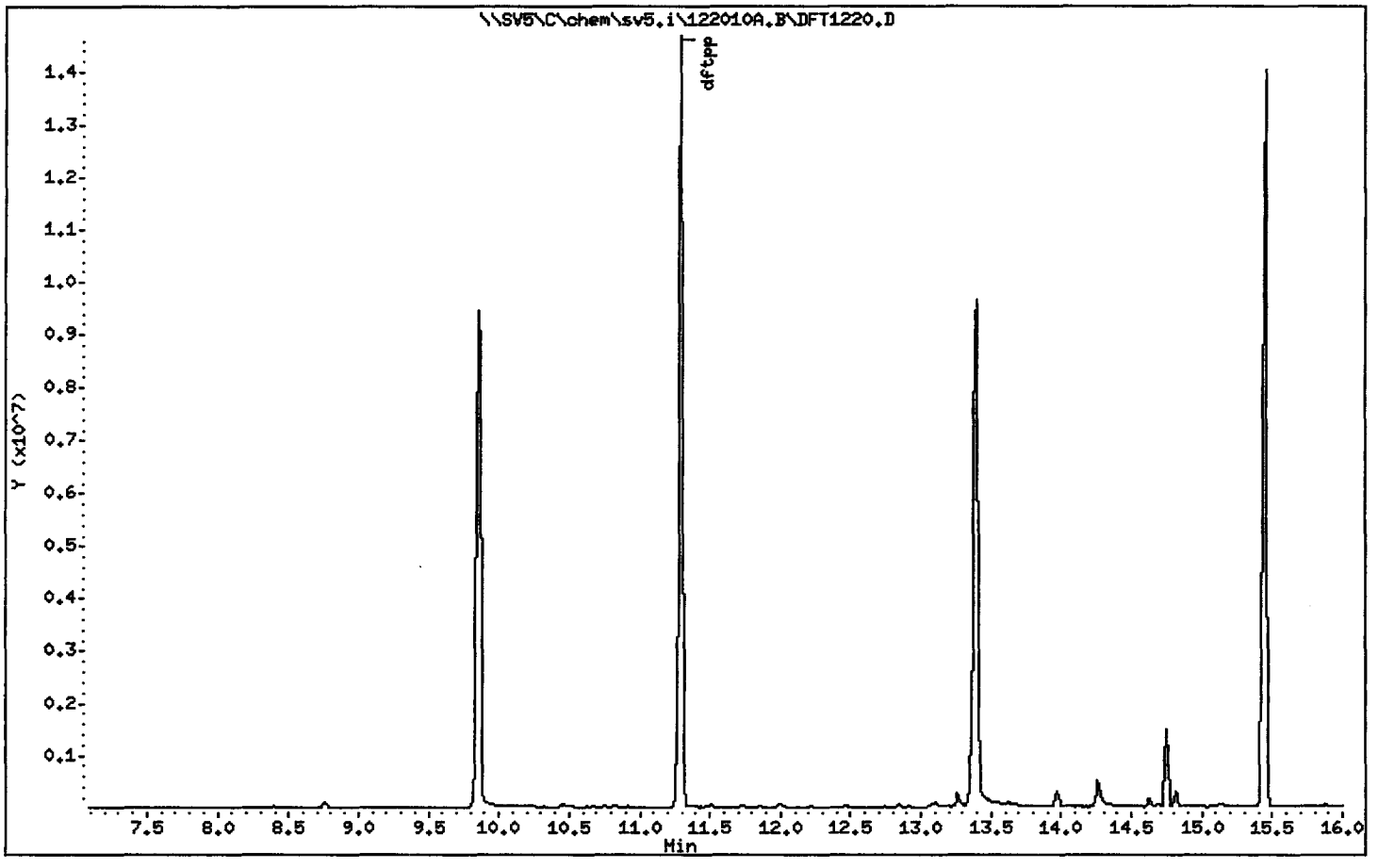
Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00



Data File: \\SV5\C\chem\sv5.i\122010A.B\DFT1220.D

Date : 20-DEC-2010 11:08

Client ID:

Instrument: sv5.i

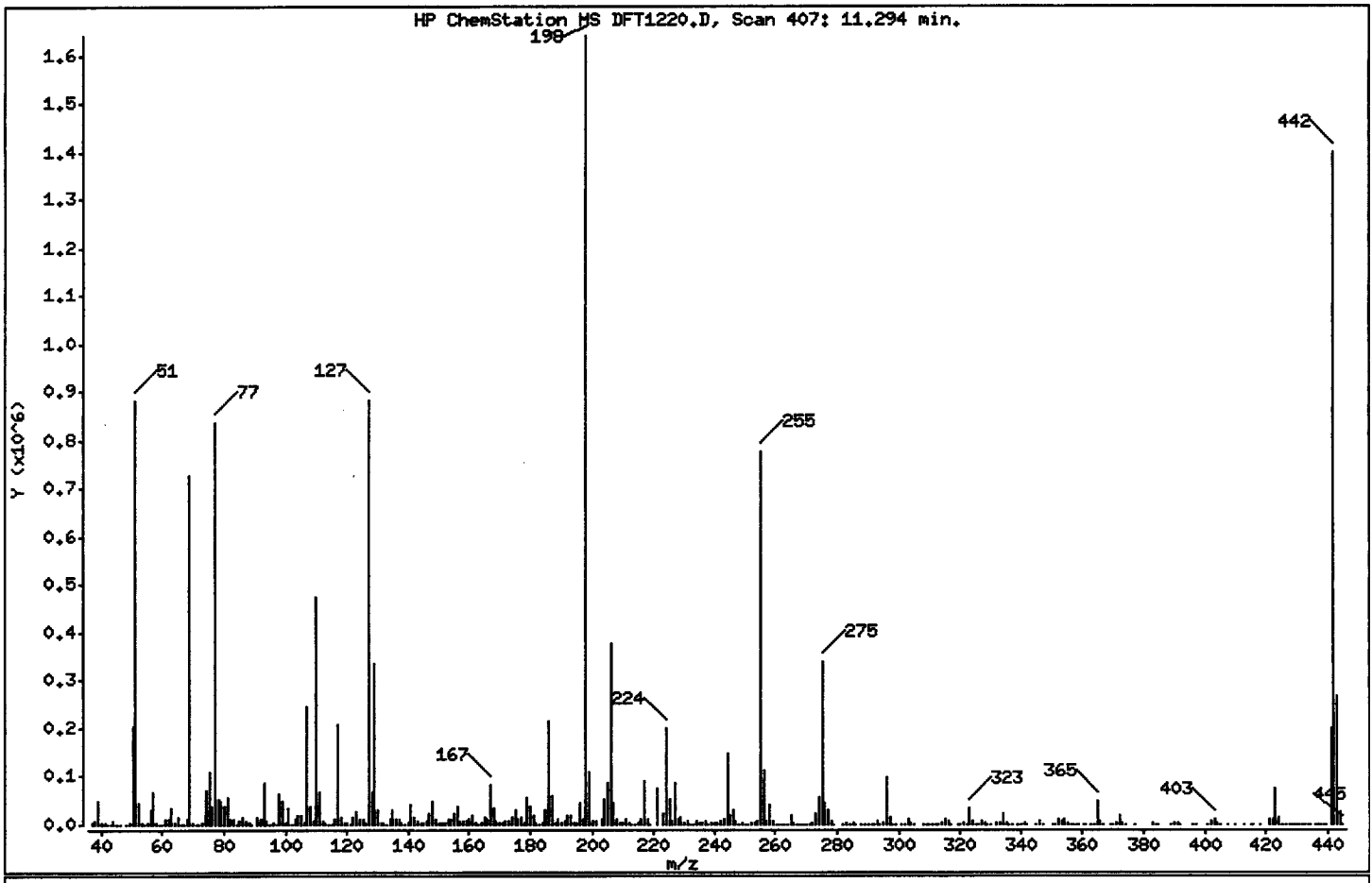
Sample Info: DFTPP 50ug/ml;

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	53.90
68	Less than 2.00% of mass 69	0.68 (1.54)
69	Mass 69 relative abundance	44.43
70	Less than 2.00% of mass 69	0.19 (0.43)
127	40.00 - 60.00% of mass 198	53.87
197	Less than 1.00% of mass 198	0.72
199	5.00 - 9.00% of mass 198	6.69
275	10.00 - 30.00% of mass 198	20.76
365	Greater than 1.00% of mass 198	3.08
441	Present, but less than mass 443	12.29
442	Greater than 40.00% of mass 198	85.27
443	17.00 - 23.00% of mass 442	16.23 (19.03)

Date : 20-DEC-2010 11:08

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1220.D
Spectrum: HP ChemStation MS DFT1220.D, Scan 407: 11.294 min.
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2642	132.10	3054	227.00	86664	325.10	711
38.00	6543	133.00	1491	228.00	11646	326.00	810
39.10	50720	134.00	9977	229.00	15790	327.10	6148
40.10	2457	135.00	29200	230.00	2224	328.00	2676
41.10	2447	136.00	9789	231.10	7494	329.00	840
42.00	475	137.10	12430	232.10	1025	330.10	371
43.10	1612	137.80	2414	233.10	1692	332.00	2480
44.00	8223	138.90	1168	234.00	5691	333.00	3226
45.10	1420	140.10	3884	235.10	5426	334.10	23712
45.90	213	141.00	42832	236.00	3506	335.10	5522
48.00	528	142.00	14716	237.10	5757	336.00	531
49.10	4277	143.00	9267	238.00	972	337.00	200
50.10	205120	144.10	3532	239.00	2708	339.00	632
51.10	884160	145.00	2255	240.00	1954	340.00	609
52.10	44272	146.10	7213	241.00	4062	341.10	4280
53.00	2358	147.00	21584	242.10	9212	342.10	764
54.10	329	148.00	47992	243.10	10155	345.10	240
55.10	5148	149.00	10275	244.10	145600	346.00	7248
56.00	28576	150.00	2855	245.10	20032	347.00	1093
57.00	69744	151.10	4130	246.00	29216	350.00	415
58.00	3361	151.70	2938	247.00	6115	351.10	614
59.10	725	152.10	2588	248.10	1540	352.10	9727
59.90	575	153.00	12548	249.00	5133	353.10	6563
61.00	10715	154.00	10040	250.10	1678	354.10	10944
62.10	11178	155.10	23144	251.00	1589	355.10	2442
63.00	34488	156.10	36560	252.10	2112	356.10	222
64.10	3728	157.00	7492	253.10	4262	356.90	259
65.10	16584	158.00	8322	254.10	5713	358.00	213
66.10	1128	159.10	6135	255.10	777792	358.90	932
67.00	787	160.00	12402	256.10	114056	360.20	354
68.00	11212	161.00	19592	257.00	7777	361.20	200
69.00	728832	162.00	4921	258.00	40944	362.60	246
70.10	3164	163.00	1746	259.00	7379	363.90	362
71.00	1238	164.00	2151	260.10	1620	365.00	50472
72.00	434	165.00	13718	261.00	1183	366.00	6739

Date : 20-DEC-2010 11:08

Client ID: Instrument: sv5.i

Sample Info: DFTPP 50ug/ml:

Operator: KT

Column phase: Column diameter: 2.00

Data File: DFT1220.D
Spectrum: HP ChemStation MS DFT1220.D, Scan 407: 11.294 min.
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	5326	166.00	10824	262.00	399	367.10	609
74.00	70760	167.00	84368	262.90	456	369.60	306
75.00	110112	168.00	35416	264.00	1807	370.10	1180
76.10	37288	169.00	5990	265.10	17896	371.00	2931
77.10	838208	170.10	2106	266.00	3055	372.10	19120
78.10	53376	171.00	2896	267.00	555	373.10	4839
79.00	48504	172.00	6839	267.60	342	374.00	873
80.00	36504	173.10	8929	268.00	514	376.90	573
81.00	55760	174.10	14760	268.90	252	383.00	5214
82.00	12447	175.10	31040	269.40	439	384.10	1169
83.10	12355	176.10	10145	270.10	1097	385.00	478
84.10	1800	177.00	14859	271.20	1217	389.00	281
85.00	8760	178.10	5088	272.00	2795	390.10	2751
86.00	14923	179.00	56408	273.00	22088	391.10	1897
87.10	6980	180.10	39504	274.00	57840	392.10	1766
88.10	2802	181.10	17240	275.10	340544	395.90	209
89.10	1351	182.10	2292	276.10	44896	397.00	216
91.00	13727	183.20	1422	277.00	29576	401.00	1358
92.00	11564	184.00	4559	278.10	6096	402.00	7755
93.00	86824	185.10	28920	279.00	1374	403.10	11908
94.00	6338	186.10	216832	282.10	966	404.10	4102
95.10	1521	187.10	62056	283.00	2663	404.90	940
96.00	4408	188.10	5643	284.00	1675	407.70	210
97.20	1266	189.00	12340	285.10	5420	410.00	209
98.00	65968	190.00	2603	286.10	1367	412.60	329
99.00	47160	191.10	5921	288.00	503	415.00	600
100.00	3879	192.00	17240	289.00	1456	416.00	424
101.00	32536	193.10	19288	290.10	1192	418.10	252
102.00	1409	194.10	4415	291.20	704	421.00	11136
103.00	9875	195.10	3126	292.10	1489	422.00	10430
104.00	19912	196.10	44960	293.10	7707	423.00	73944
105.00	19000	197.10	11734	294.00	1762	424.10	15102
106.10	5274	198.00	1640448	295.00	2053	425.00	1336
107.00	246080	199.00	109672	296.00	98368	426.50	614
108.10	39328	200.10	8264	297.10	13298	427.40	519

Data File: \\SV5\C\chem\sv5.i\122010A.B\DFT1220.D

Date : 20-DEC-2010 11:08

Client ID:

Instrument: sv5.i

Sample Info: DFTPP 50ug/ml;

Operator: KT

Column phase:

Column diameter: 2.00

Data File: DFT1220.D
Spectrum: HP ChemStation MS DFT1220.D, Scan 407: 11.294 min.
Location of Maximum: 198.00
Number of points: 370

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.10	5866	201.60	7887	297.90	746	428.20	499
110.00	476160	203.10	10300	298.90	283	428.90	632
111.00	67344	204.10	54096	301.10	1506	429.70	697
112.00	7507	205.10	87424	302.10	1476	430.30	705
113.00	2636	206.10	378368	303.10	12555	430.70	966
114.20	657	207.10	47104	304.10	2674	431.70	840
114.90	674	208.10	12363	305.20	552	432.60	789
116.00	12897	209.00	3922	308.00	1743	433.50	1065
117.00	207808	210.00	4138	309.00	741	433.70	1071
118.00	15291	211.10	12551	310.00	1713	434.40	1589
119.10	2412	212.10	2359	311.00	222	435.70	867
120.00	3465	213.00	1177	312.10	233	436.40	1166
121.00	969	214.00	550	313.00	1204	437.00	982
122.00	15422	215.00	3934	314.10	5374	437.80	728
123.00	25328	216.00	9557	315.10	10117	438.70	876
124.00	12344	217.00	91576	316.10	6399	439.70	225
125.00	10720	218.00	12485	317.10	1041	441.10	201600
126.10	4264	219.00	1241	319.10	442	442.10	1398784
127.10	883776	221.10	74320	320.10	574	443.10	266176
128.10	66960	223.00	21328	321.10	3316	444.10	25088
129.00	335488	224.10	200896	322.10	1459	445.10	1526
130.00	29984	225.10	51696	323.10	34648		
131.00	5357	226.10	5678	324.10	6565		

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 11:54
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:43 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:55 Cal File: AP90817G.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	4.318	4.318	(1.000)	133626	40.0000		(Q)
* 2	Naphthalene-d8	136	5.748	5.748	(1.000)	618640	40.0000		
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	336078	40.0000		(H)
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	512513	40.0000		
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	494241	40.0000		
* 6	Perylene-d12	264	16.733	16.733	(1.000)	465724	40.0000		
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	26839	5.00000	5.207	
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	34641	5.00000	5.276	
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.952)	27165	5.00000	4.849	
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	16359	5.00000	5.028	
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	27659	5.00000	4.908	
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	53463	5.00000	0.9260	
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	5714	5.00000	0.8856	
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	47578	5.00000	4.684	
15	N-Nitrosodimethylamine	74	2.070	2.070	(0.479)	19233	5.00000	5.125	(Q)
16	Pyridine	79	2.121	2.121	(0.491)	27224	5.00000	4.470	(QM)
23	Aniline	93	4.018	4.018	(0.930)	43401	5.00000	4.986	
24	Phenol	94	3.966	3.966	(0.918)	32606	5.00000	4.723	
26	Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	27641	5.00000	4.841	
27	2-Chlorophenol	128	4.132	4.132	(0.957)	26599	5.00000	4.975	
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	29034	5.00000	5.049	
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	29923	5.00000	5.054	
30	Benzyl Alcohol	108	4.474	4.474	(1.036)	19242	5.00000	5.095	
31	1,2-Dichlorobenzene	146	4.536	4.536	(1.050)	30319	5.00000	5.455	
32	2-Methylphenol	108	4.598	4.598	(1.065)	25403	5.00000	4.927	
33	2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	55918	5.00000	5.053	
34	4-Methylphenol	108	4.764	4.764	(1.103)	27111	5.00000	5.023	
36	Hexachloroethane	117	4.878	4.878	(1.130)	11961	5.00000	5.032	
37	N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	22640	5.00000	5.154	
42	Nitrobenzene	77	4.971	4.971	(0.865)	30672	5.00000	5.135	
44	Isophorone	82	5.230	5.230	(0.910)	51541	5.00000	4.725	
45	2-Nitrophenol	139	5.334	5.334	(0.928)	11305	5.00000	4.401	
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	26585	5.00000	4.688	

12/20/10

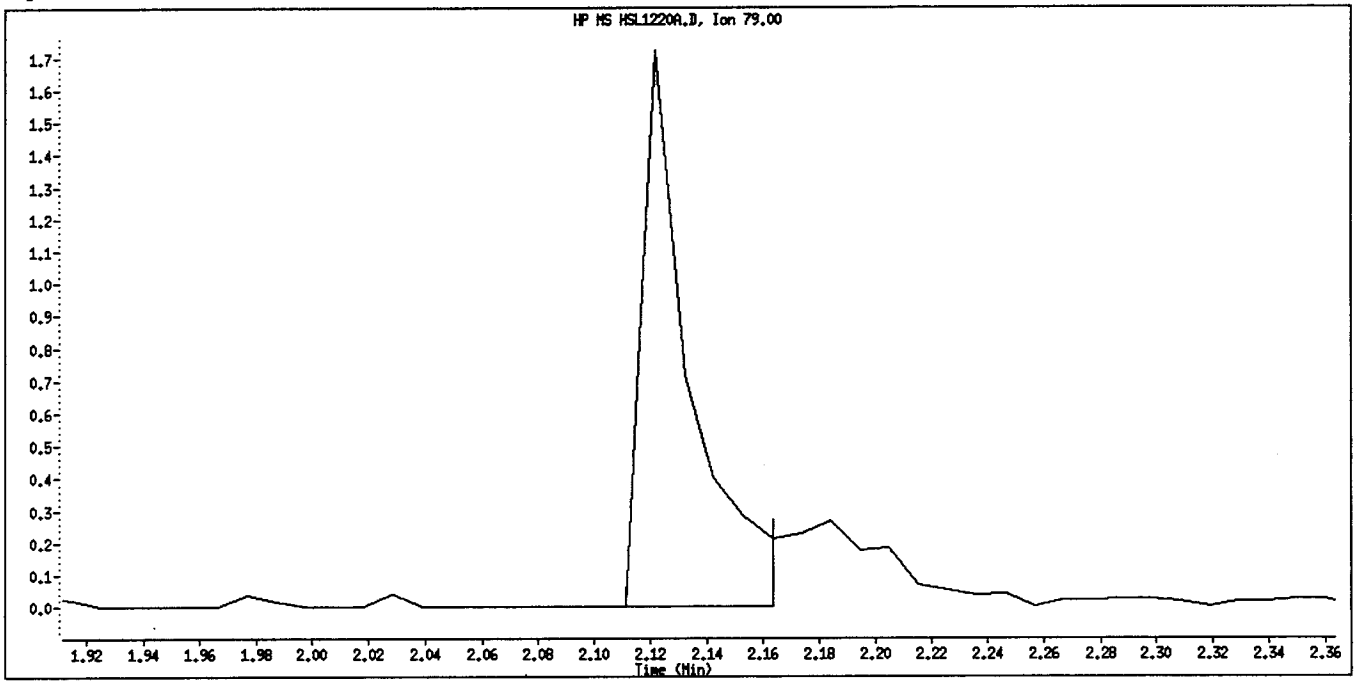
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	34472	5.00000	5.054
49	2,4-Dichlorophenol	162	5.583	5.583	(0.971)	18844	5.00000	4.622
50	Benzoic Acid	122	5.417	5.417	(0.942)	6602	5.00000	3.156 (Q)
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	23253	5.00000	4.987
52	Naphthalene	128	5.769	5.769	(1.004)	91320	5.00000	5.365
54	4-Chloroaniline	127	5.852	5.852	(1.018)	34024	5.00000	5.029
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	10993	5.00000	4.687
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	22152	5.00000	4.668
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	51004	5.00000	4.936 (M)
66	Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	11244	5.00000	0.8740
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	11563	5.00000	0.9085
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	13811	5.00000	0.9612
71	2-Chloronaphthalene	162	7.158	7.158	(0.910)	47976	5.00000	0.9167
73	2-Nitroaniline	65	7.324	7.324	(0.931)	14190	5.00000	0.8673
76	Dimethylphthalate	163	7.593	7.593	(0.966)	53831	5.00000	0.8934
77	Acenaphthylene	152	7.676	7.676	(0.976)	76673	5.00000	0.9074
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	10142	5.00000	0.8948
80	3-Nitroaniline	138	7.831	7.831	(0.996)	12564	5.00000	0.8811
81	Acenaphthene	153	7.904	7.904	(1.005)	52860	5.00000	0.9235
82	2,4-Dinitrophenol	184	7.956	7.956	(1.012)	2590	5.00000	0.8007 (Q)
83	Dibenzofuran	168	8.101	8.101	(1.030)	66159	5.00000	0.9132
84	4-Nitrophenol	109	8.028	8.028	(1.021)	5422	5.00000	0.8805
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	10487	5.00000	0.8529 (Q)
91	Fluorene	166	8.557	8.557	(1.088)	55564	5.00000	0.9234
92	Diethylphthalate	149	8.495	8.495	(1.080)	54897	5.00000	0.9172
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	22965	5.00000	0.8833
94	4-Nitroaniline	138	8.619	8.619	(1.096)	11196	5.00000	0.8575 (Q)
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	3673	5.00000	3.301 (M)
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	42795	5.86000	5.660
100	Azobenzene	77	8.774	8.774	(0.889)	63000	5.00000	4.947
101	4-Bromophenyl-phenylether	248	9.230	9.230	(0.935)	12168	5.00000	4.586
108	Hexachlorobenzene	284	9.427	9.427	(0.955)	16112	5.00000	5.382
110	Pentachlorophenol	266	9.686	9.686	(0.981)	6135	5.00000	4.598
114	Phenanthrene	178	9.904	9.904	(1.003)	80304	5.00000	5.081
115	Anthracene	178	9.966	9.966	(1.009)	73647	5.00000	4.672
118	Carbazole	167	10.225	10.225	(1.036)	73500	5.00000	5.045
120	Di-n-Butylphthalate	149	10.930	10.930	(1.107)	83840	5.00000	4.727
126	Fluoranthene	202	11.811	11.811	(1.196)	71110	5.00000	4.802
127	Benzidine	184	12.080	12.080	(0.843)	42227	5.00000	4.430
128	Pyrene	202	12.184	12.184	(0.850)	79057	5.00000	4.720
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	39725	5.00000	4.510
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	35077	5.00000	4.580
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	66149	5.00000	4.990
139	Chrysene	228	14.371	14.371	(1.003)	67003	5.00000	4.965
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	23235	5.00000	4.631
141	bis(2-ethylhexyl)Phthalate	149	14.609	14.609	(1.020)	49939	5.00000	4.653
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	73954	5.00000	4.425
144	Benzo(b)fluoranthene	252	16.132	16.132	(0.964)	60467	5.00000	4.845
145	Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	71996	5.00000	5.121
147	Benzo(e)pyrene	252	16.557	16.557	(0.989)	59153	5.00000	4.908
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	61717	5.00000	4.802 (M)
151	Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	50364	5.00000	4.755
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	53795	5.00000	4.718
153	Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	59625	5.00000	5.030

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				132463	5.00000	

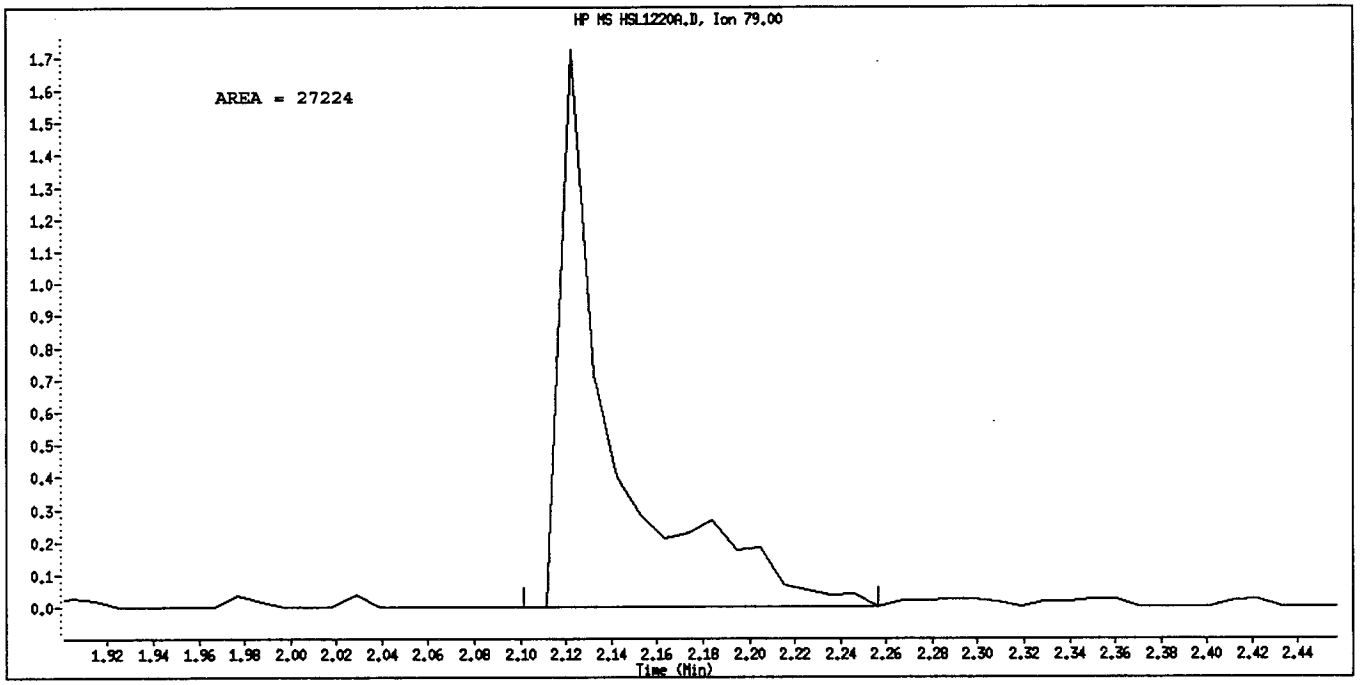
QC Flag Legend

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

Data File Name: HSL1220A.D
Inj. Date and Time: 20-DEC-2010 11:54
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/20/2010



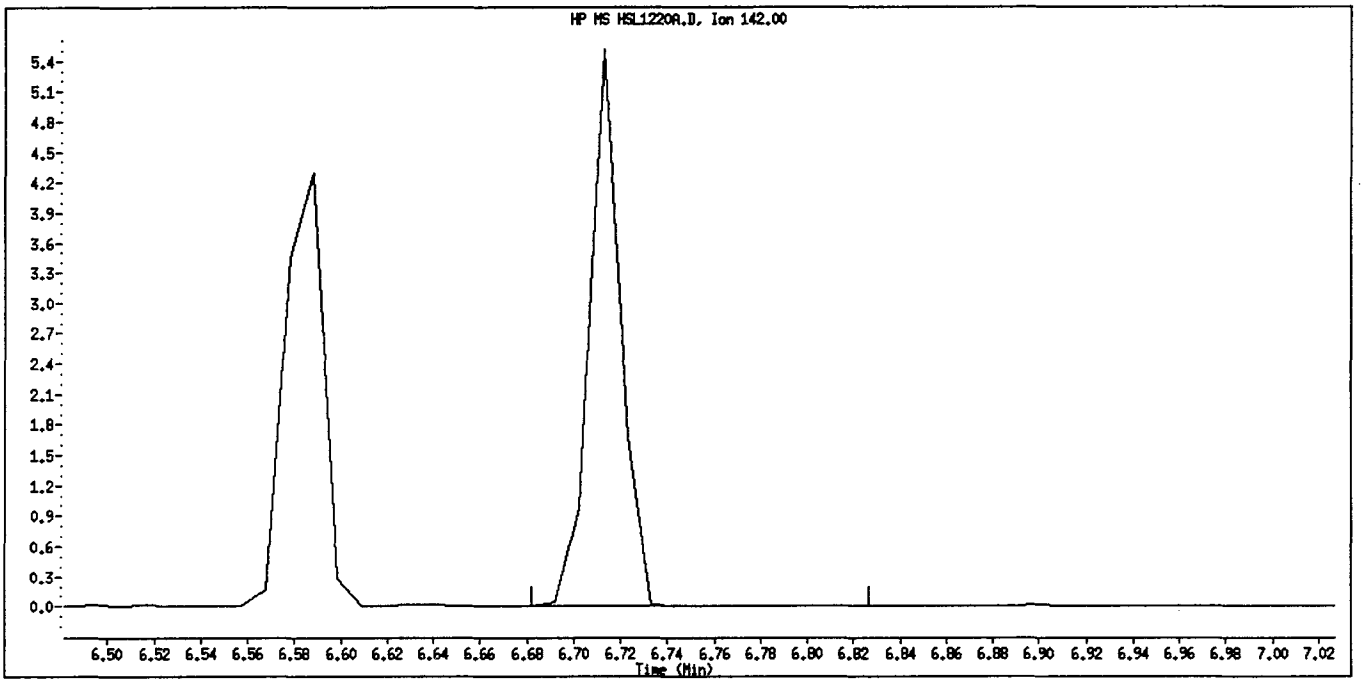
Original Integration



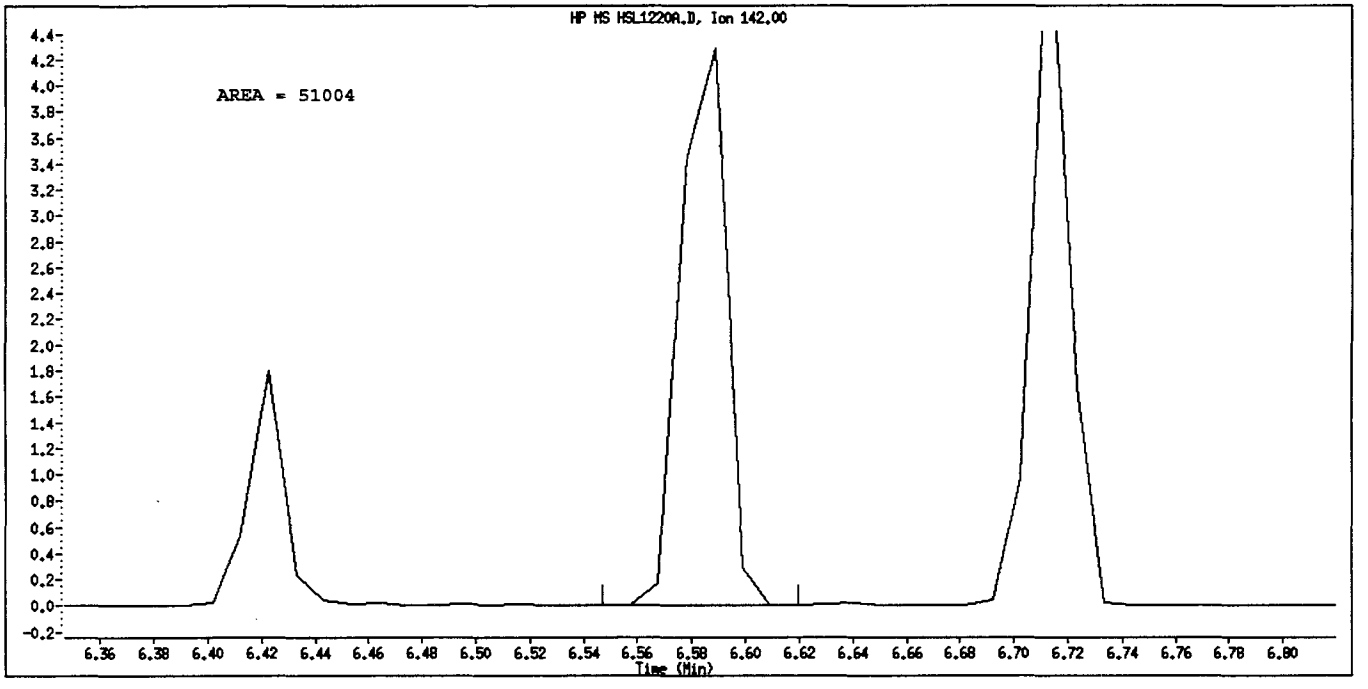
Manual Integration

Manually Integrated By: ~~semivol~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220A.D
Inj. Date and Time: 20-DEC-2010 11:54
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 12/20/2010



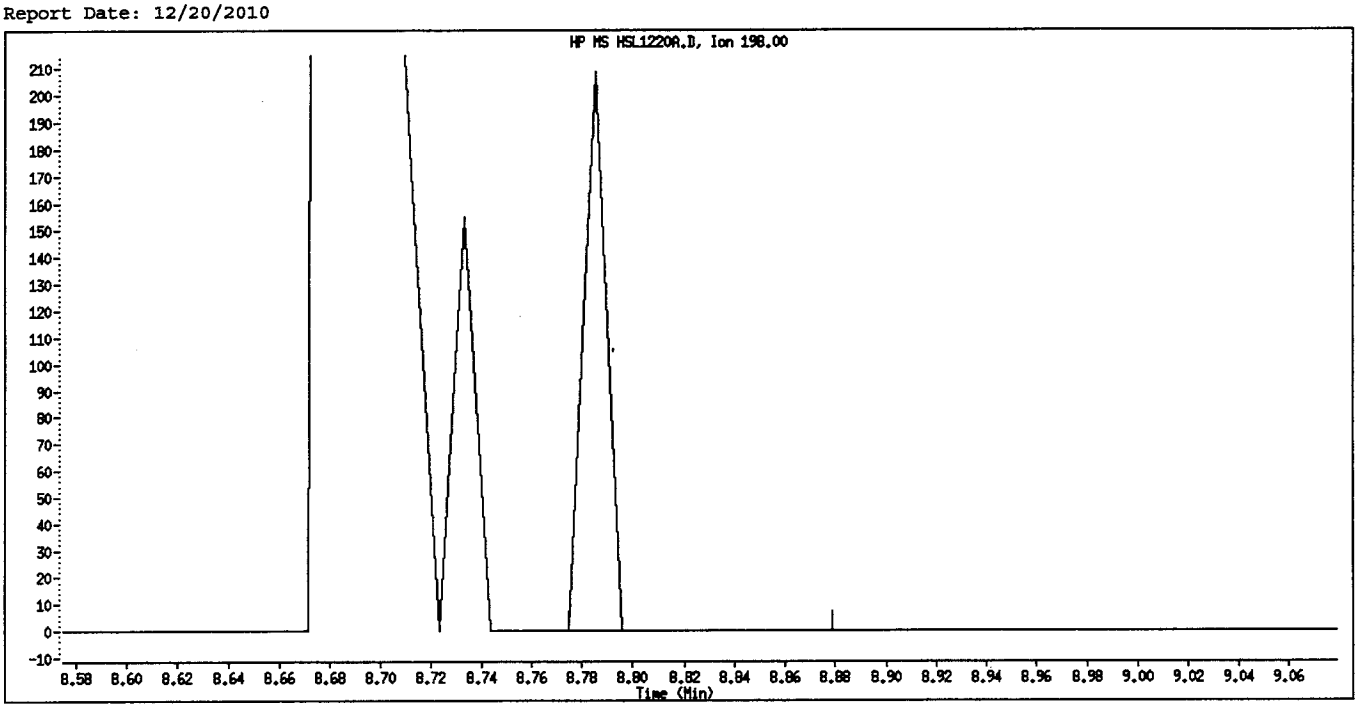
Original Integration



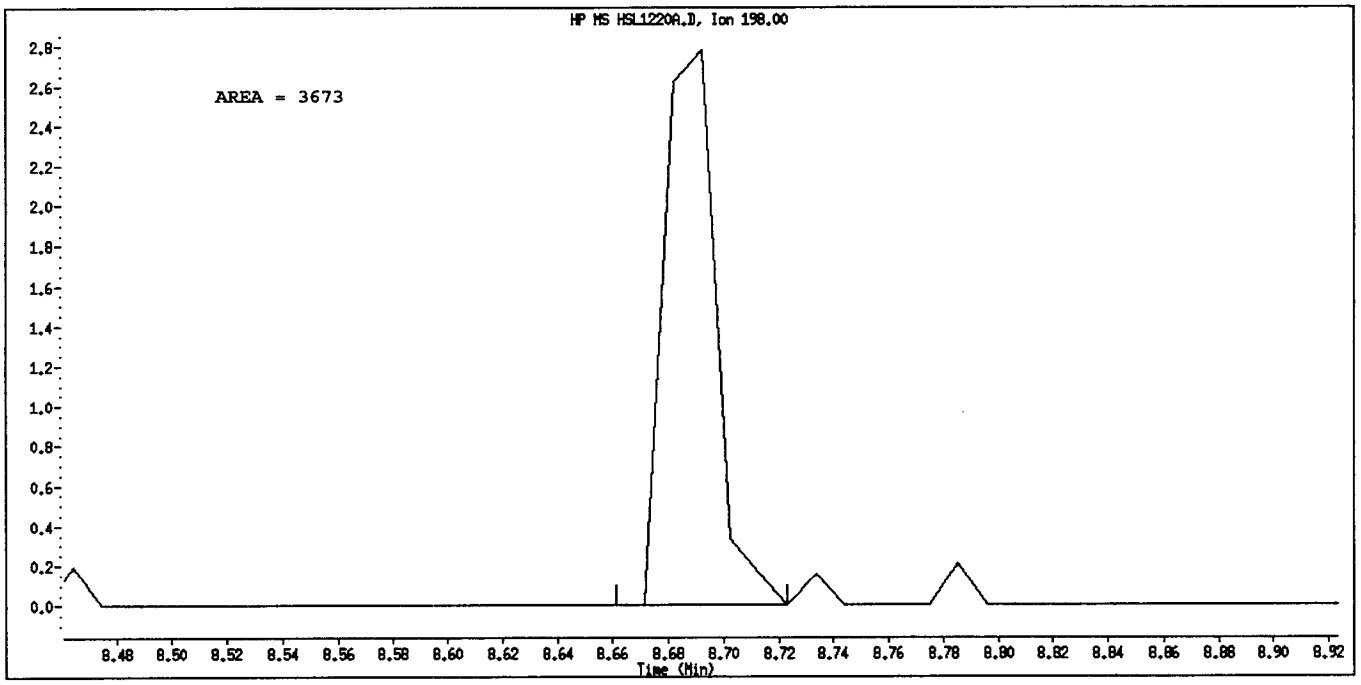
Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Wrong Peak

Data File Name: HSL1220A.D
Inj. Date and Time: 20-DEC-2010 11:54
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 4,6-Dinitro-2-methylphenol
CAS #: 534-52-1
Report Date: 12/20/2010



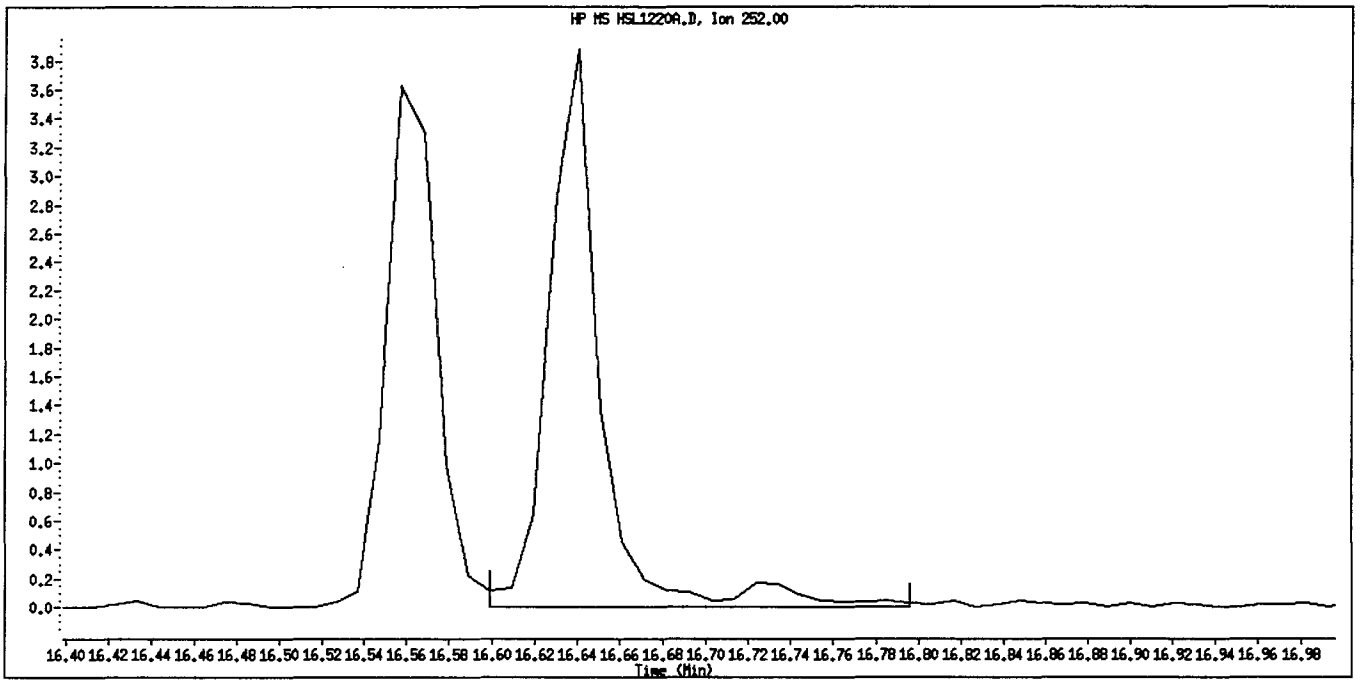
Original Integration



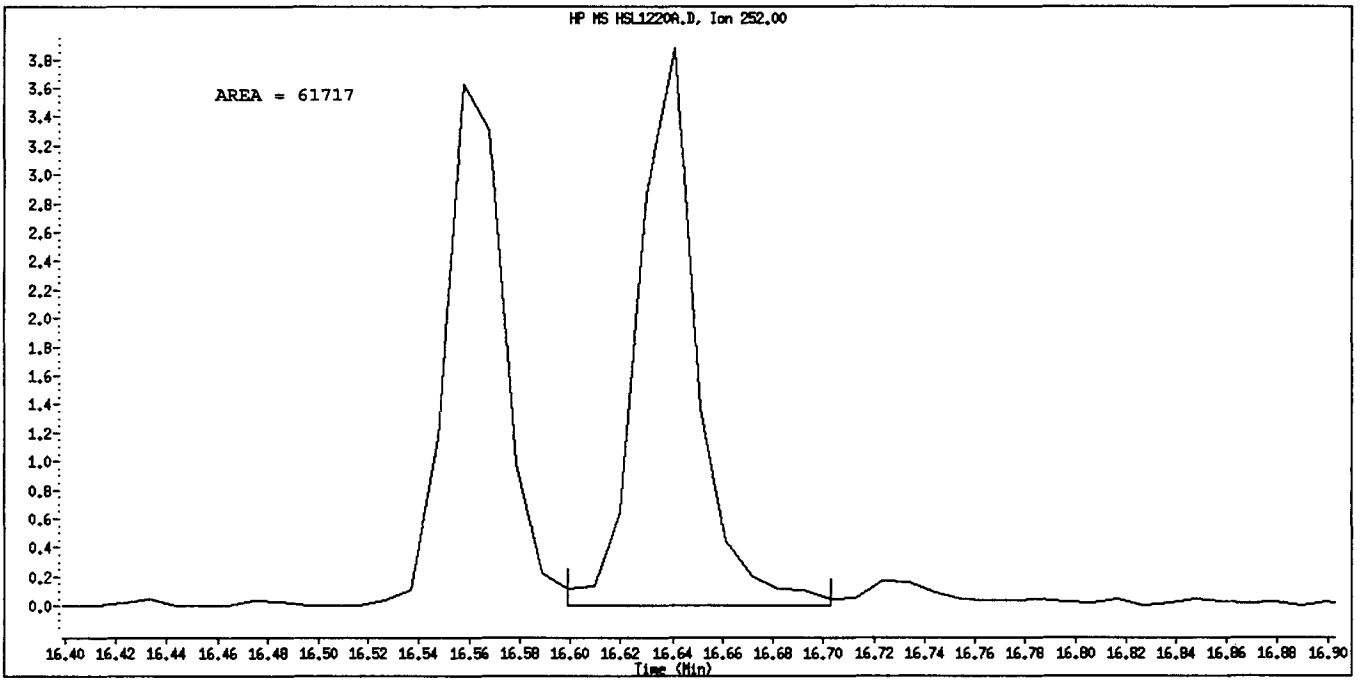
Manual Integration

Manually Integrated By: semivoa 12/22/10
Manual Integration Reason: Peak Not Found

Data File Name: HSL1220A.D
Inj. Date and Time: 20-DEC-2010 11:54
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Benzo(a)pyrene
CAS #: 50-32-8
Report Date: 12/20/2010



Original Integration



12/22/10

Manual Integration

Manually Integrated By: ~~semivor~~
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220A.D
Lab Smp Id: HSL_005 ug/ml CS-1 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 11:54
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	133626	40.0000		(q)
* 2 Naphthalene-d8	136	5.748	5.748	(1.000)	618640	40.0000		
* 3 Acenaphthene-d10	164	7.158	7.168	(1.000)	15103	40.0000		
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	512513	40.0000		
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	494241	40.0000		
* 6 Perylene-d12	264	16.733	16.733	(1.000)	465724	40.0000		
$ 7 2-Fluorophenol	112	3.085	3.085	(0.714)	26839	5.00000	5.662	
$ 8 Phenol-d5	99	3.945	3.945	(0.914)	34641	5.00000	5.801	
$ 9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	27165	5.00000	5.200	
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	16359	5.00000	5.005	
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	27659	5.00000	5.261	
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.986)	53463	5.00000	95.46	
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.245)	5714	5.00000	77.48	
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	47578	5.00000	4.897	
15 N-Nitrosodimethylamine	74	2.070	2.059	(0.479)	19233	5.00000	6.110	
16 Pyridine	79	2.121	2.101	(0.491)	20057	5.00000	4.007	(Q)
23 Aniline	93	4.018	4.018	(0.930)	43401	5.00000	5.656	
24 Phenol	94	3.966	3.966	(0.918)	32606	5.00000	4.800	
26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	27641	5.00000	5.662	
27 2-Chlorophenol	128	4.132	4.132	(0.957)	26599	5.00000	5.102	
28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	29034	5.00000	5.126	
29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	29923	5.00000	5.046	
30 Benzyl Alcohol	108	4.474	4.474	(1.036)	19242	5.00000	5.470	
31 1,2-Dichlorobenzene	146	4.536	4.546	(1.050)	30319	5.00000	5.584	
32 2-Methylphenol	108	4.598	4.598	(1.065)	25403	5.00000	5.285	
33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	55918	5.00000	6.956	
34 4-Methylphenol	108	4.764	4.764	(1.103)	27111	5.00000	5.335	
36 Hexachloroethane	117	4.878	4.878	(1.130)	11961	5.00000	5.790	
37 N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	22640	5.00000	6.485	
42 Nitrobenzene	77	4.971	4.971	(0.865)	30672	5.00000	5.893	
44 Isophorone	82	5.230	5.230	(0.910)	51541	5.00000	5.167	
45 2-Nitrophenol	139	5.334	5.334	(0.928)	11305	5.00000	3.830	
46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	26585	5.00000	4.893	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	34472	5.00000	5.651
49 2,4-Dichlorophenol	162	5.583	5.593	(0.971)	18844	5.00000	4.551
50 Benzoic Acid	122	5.417	5.438	(0.942)	6602	5.00000	2.312(Q)
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	23253	5.00000	5.148
52 Naphthalene	128	5.769	5.769	(1.004)	91320	5.00000	5.377
54 4-Chloroaniline	127	5.852	5.852	(1.018)	34024	5.00000	5.123
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	10993	5.00000	4.951
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	22152	5.00000	4.790
63 2-Methylnaphthalene	142	6.712	6.588	(1.168)	51115	5.00000	4.818
66 Hexachlorocyclopentadiene	237	6.857	6.868	(0.958)	11244	5.00000	85.77
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.971)	11563	5.00000	84.40
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.977)	13811	5.00000	92.80
71 2-Chloronaphthalene	162	7.158	7.168	(1.000)	47976	5.00000	96.16
73 2-Nitroaniline	65	7.324	7.324	(1.023)	14190	5.00000	90.97(q)
76 Dimethylphthalate	163	7.593	7.593	(1.061)	53831	5.00000	94.35
77 Acenaphthylene	152	7.676	7.676	(1.072)	76673	5.00000	90.19
79 2,6-Dinitrotoluene	165	7.676	7.676	(1.072)	10142	5.00000	77.74(q)
80 3-Nitroaniline	138	7.831	7.831	(1.094)	12564	5.00000	77.93(q)
81 Acenaphthene	153	7.904	7.904	(1.104)	52860	5.00000	95.92
82 2,4-Dinitrophenol	184	7.956	7.956	(1.111)	2590	5.00000	42.28(Q)
83 Dibenzofuran	168	8.101	8.101	(1.132)	66159	5.00000	91.53
84 4-Nitrophenol	109	8.028	8.028	(1.122)	5422	5.00000	79.36(q)
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.140)	10487	5.00000	62.57(q)
91 Fluorene	166	8.557	8.557	(1.195)	55564	5.00000	92.40
92 Diethylphthalate	149	8.495	8.505	(1.187)	54897	5.00000	93.74
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.197)	22965	5.00000	89.94
94 4-Nitroaniline	138	8.619	8.629	(1.204)	11196	5.00000	69.29(Q)
97 4,6-Dinitro-2-methylphenol	198	8.785	8.692	(0.890)	129	5.00000	0.08237(Q)
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	42795	5.86000	5.527
100 Azobenzene	77	8.774	8.774	(0.889)	63000	5.00000	6.042
101 4-Bromophenyl-phenylether	248	9.230	9.241	(0.935)	12168	5.00000	4.851
108 Hexachlorobenzene	284	9.427	9.438	(0.955)	16112	5.00000	5.749
110 Pentachlorophenol	266	9.686	9.697	(0.981)	6135	5.00000	4.096
114 Phenanthrene	178	9.904	9.904	(1.003)	80304	5.00000	4.977
115 Anthracene	178	9.966	9.977	(1.009)	73647	5.00000	4.568
118 Carbazole	167	10.225	10.236	(1.036)	73500	5.00000	4.986
120 Di-n-Butylphthalate	149	10.930	10.940	(1.107)	83840	5.00000	4.739
126 Fluoranthene	202	11.811	11.821	(1.196)	71110	5.00000	4.883
127 Benzidine	184	12.080	12.080	(0.843)	42227	5.00000	4.265
128 Pyrene	202	12.184	12.184	(0.850)	79057	5.00000	5.102
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	39725	5.00000	4.486
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	35077	5.00000	4.546
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	66149	5.00000	5.014
139 Chrysene	228	14.371	14.371	(1.003)	67003	5.00000	4.988
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	23235	5.00000	4.685(q)
141 bis(2-ethylhexyl)Phthalate	149	14.609	14.619	(1.020)	49939	5.00000	4.688
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	73954	5.00000	4.352
144 Benzo(b)fluoranthene	252	16.132	16.143	(0.964)	60467	5.00000	5.641
145 Benzo(k)fluoranthene	252	16.174	16.184	(0.967)	71996	5.00000	5.290
147 Benzo(e)pyrene	252	16.557	16.567	(0.989)	59153	5.00000	5.305
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	65522	5.00000	5.431
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.568	(1.109)	50364	5.00000	5.145
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	53795	5.00000	4.946
153 Benzo(g,h,i)perylene	276	19.034	19.044	(1.137)	59625	5.00000	5.110

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				132463	5.00000	5.444 (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: HSL1220A.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\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0307;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	133626	37.53
2 Naphthalene-d8	440574	220287	881148	618640	40.42
3 Acenaphthene-d10	234996	117498	469992	336078	43.01
4 Phenanthrene-d10	360879	180440	721758	512513	42.02
5 Chrysene-d12	342230	171115	684460	494241	44.42
6 Perylene-d12	320443	160222	640886	465724	45.34

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	-0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

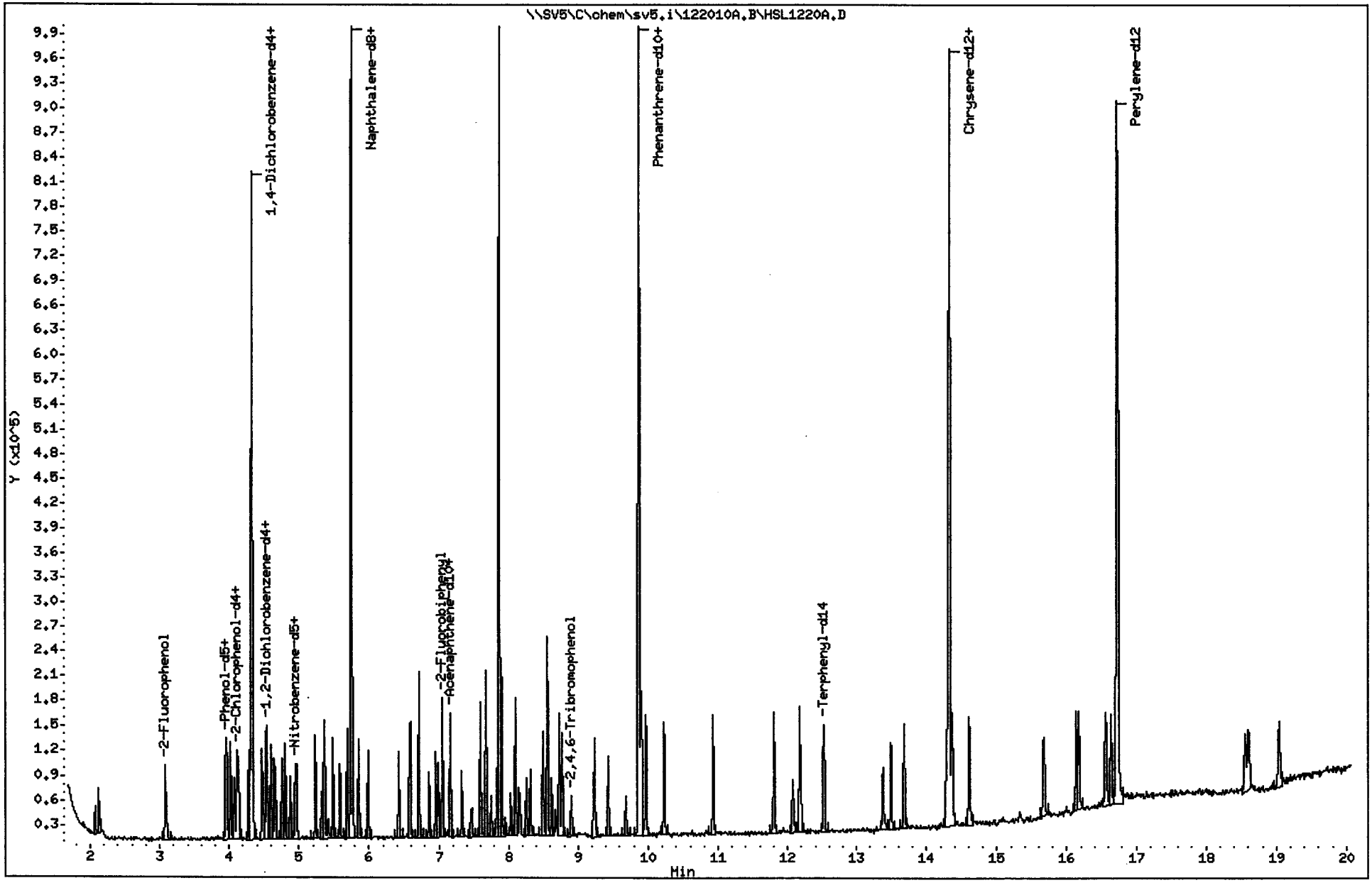
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220A.D
Date : 20-DEC-2010 11:54
Client ID: 8270F.M
Sample Info: HSL_005 ug/ml CS-1;1;;1;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 12:20
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:44 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:45 Cal File: AP90817A.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	4.318	4.318	(1.000)	114213	40.0000		
* 2 Naphthalene-d8	136	5.749	5.749	(1.000)	498020	40.0000		
* 3 Acenaphthene-d10	164	7.863	7.863	(1.000)	275558	40.0000		(H)
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	434555	40.0000		
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	430557	40.0000		
* 6 Perylene-d12	264	16.733	16.733	(1.000)	412924	40.0000		
$ 7 2-Fluorophenol	112	3.085	3.085	(0.714)	41357	10.0000	9.388	
$ 8 Phenol-d5	99	3.945	3.945	(0.914)	53955	10.0000	9.614	
$ 9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	47596	10.0000	9.940	
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	28125	10.0000	10.11	
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	45058	10.0000	9.933	
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	85055	10.0000	4.105	
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	9720	10.0000	3.975	
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	84778	10.0000	9.581	
15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	30945	10.0000	9.647	(Q)
16 Pyridine	79	2.111	2.111	(0.489)	53739	10.0000	10.32	
23 Aniline	93	4.018	4.018	(0.930)	73296	10.0000	9.852	
24 Phenol	94	3.966	3.966	(0.918)	59012	10.0000	10.00	
26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	49942	10.0000	10.23	
27 2-Chlorophenol	128	4.132	4.132	(0.957)	43501	10.0000	9.518	
28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	47870	10.0000	9.739	
29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	49981	10.0000	9.877	
30 Benzyl Alcohol	108	4.474	4.474	(1.036)	31702	10.0000	9.821	
31 1,2-Dichlorobenzene	146	4.536	4.536	(1.050)	45507	10.0000	9.579	
32 2-Methylphenol	108	4.598	4.598	(1.065)	41733	10.0000	9.470	
33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	94385	10.0000	9.979	
34 4-Methylphenol	108	4.764	4.764	(1.103)	44107	10.0000	9.561	
36 Hexachloroethane	117	4.878	4.878	(1.130)	19733	10.0000	9.712	
37 N-Nitrosodinpropylamine	70	4.806	4.806	(1.113)	38220	10.0000	10.18	
42 Nitrobenzene	77	4.971	4.971	(0.865)	46950	10.0000	9.764	
44 Isophorone	82	5.230	5.230	(0.910)	89302	10.0000	10.17	
45 2-Nitrophenol	139	5.334	5.334	(0.928)	18507	10.0000	8.950	
46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	46525	10.0000	10.19	

12/20/10

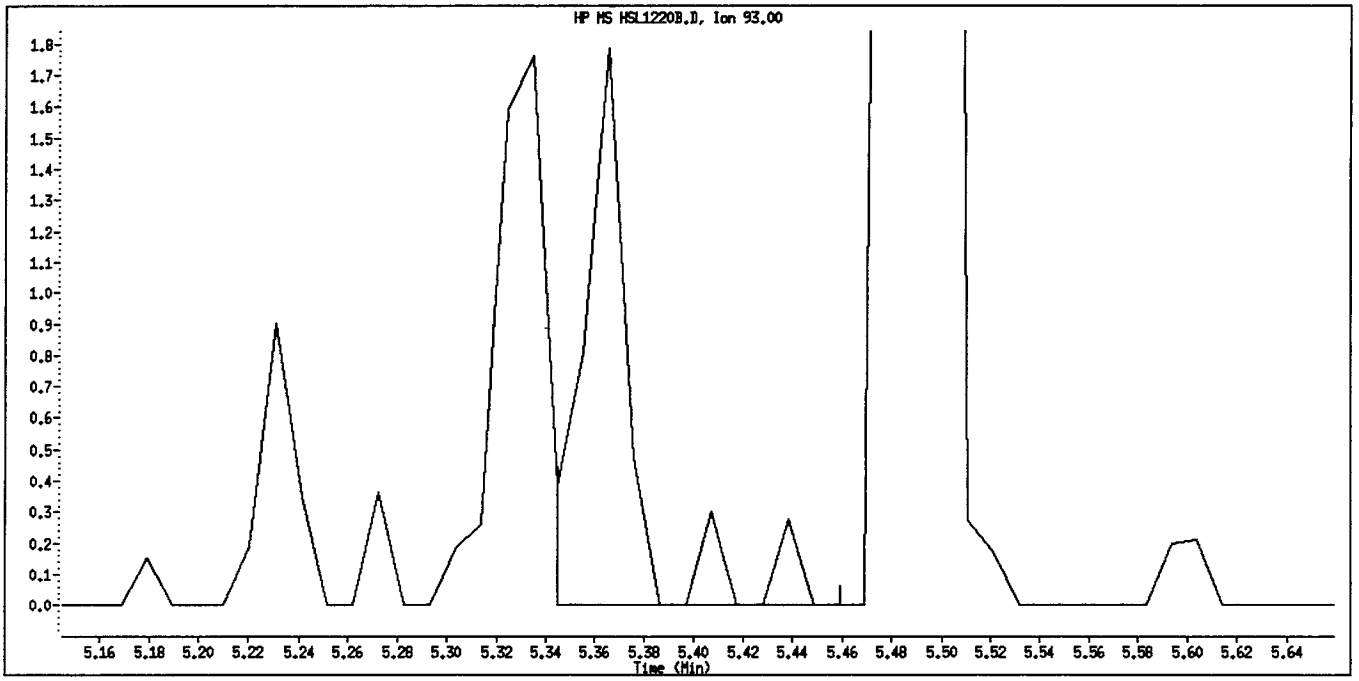
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	54854	10.0000	9.990 (M)
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	32568	10.0000	9.924
50 Benzoic Acid	122	5.417	5.417	(0.942)	12603	10.0000	7.484
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	37673	10.0000	10.04
52 Naphthalene	128	5.769	5.769	(1.004)	137012	10.0000	9.999
54 4-Chloroaniline	127	5.852	5.852	(1.018)	54369	10.0000	9.982
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	19825	10.0000	10.50
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	39519	10.0000	10.34
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	82727	10.0000	9.944
66 Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	20473	10.0000	4.135
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	18864	10.0000	4.032
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	18794	10.0000	3.831 (Q)
71 2-Chloronaphthalene	162	7.158	7.158	(0.910)	78376	10.0000	4.119
73 2-Nitroaniline	65	7.324	7.324	(0.931)	25358	10.0000	3.994
76 Dimethylphthalate	163	7.593	7.593	(0.966)	94505	10.0000	4.181
77 Acenaphthylene	152	7.676	7.676	(0.976)	129267	10.0000	4.155
79 2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	16758	10.0000	3.949 (M)
80 3-Nitroaniline	138	7.832	7.832	(0.996)	21938	10.0000	4.036
81 Acenaphthene	153	7.904	7.904	(1.005)	84605	10.0000	4.104
82 2,4-Dinitrophenol	184	7.956	7.956	(1.012)	5225	10.0000	3.834 (Q)
83 Dibenzofuran	168	8.101	8.101	(1.030)	108495	10.0000	4.100
84 4-Nitrophenol	109	8.028	8.028	(1.021)	9051	10.0000	3.852
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	18313	10.0000	3.768
91 Fluorene	166	8.557	8.557	(1.088)	88057	10.0000	4.063
92 Diethylphthalate	149	8.495	8.495	(1.080)	88693	10.0000	4.080
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	41146	10.0000	4.163
94 4-Nitroaniline	138	8.619	8.619	(1.096)	20514	10.0000	3.998 (Q)
97 4,6-Dinitro-2-methylphenol	198	8.681	8.681	(0.879)	7314	10.0000	7.752
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	73847	11.7000	11.52
100 Azobenzene	77	8.775	8.775	(0.889)	105821	10.0000	9.800
101 4-Bromophenyl-phenylether	248	9.231	9.231	(0.935)	21763	10.0000	9.674
108 Hexachlorobenzene	284	9.427	9.427	(0.955)	26836	10.0000	10.57
110 Pentachlorophenol	266	9.687	9.687	(0.981)	9258	10.0000	8.183
114 Phenanthrene	178	9.904	9.904	(1.003)	131435	10.0000	9.808
115 Anthracene	178	9.977	9.977	(1.010)	132412	10.0000	9.907
118 Carbazole	167	10.236	10.236	(1.037)	124077	10.0000	10.04
120 Di-n-Butylphthalate	149	10.930	10.930	(1.107)	138999	10.0000	9.243
126 Fluoranthene	202	11.811	11.811	(1.196)	123708	10.0000	9.853
127 Benzidine	184	12.080	12.080	(0.843)	75252	10.0000	9.063
128 Pyrene	202	12.184	12.184	(0.850)	138151	10.0000	9.467
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	68661	10.0000	8.947
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	59933	10.0000	8.983
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	112583	10.0000	9.748
139 Chrysene	228	14.371	14.371	(1.003)	117958	10.0000	10.03
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	43006	10.0000	9.840
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	83894	10.0000	8.973
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	134282	10.0000	9.223
144 Benzo(b)fluoranthene	252	16.132	16.132	(0.964)	99874	10.0000	9.026
145 Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	124491	10.0000	9.987
147 Benzo(e)pyrene	252	16.557	16.557	(0.989)	103391	10.0000	9.675
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	108954	10.0000	9.562
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	91591	10.0000	9.753 (M)
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	97098	10.0000	9.604
153 Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	103717	10.0000	9.869

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				224365	10.0000	

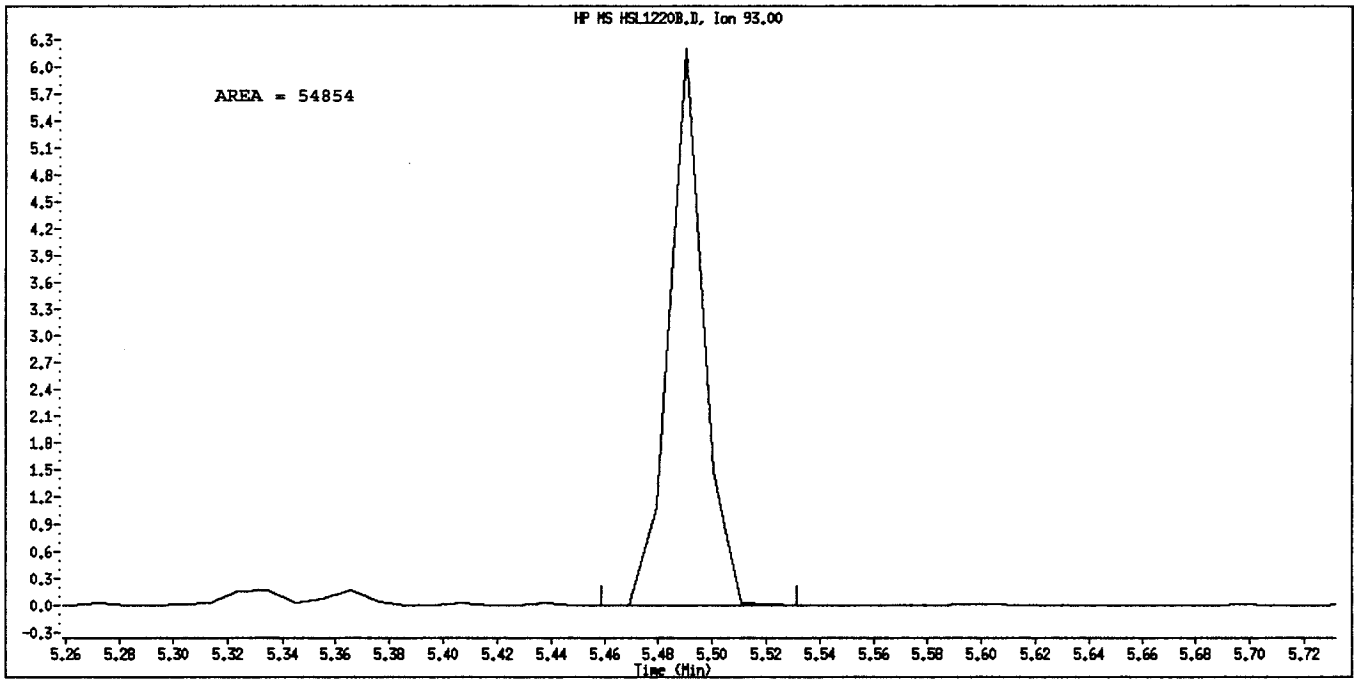
QC Flag Legend

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

Data File Name: HSL1220B.D
Inj. Date and Time: 20-DEC-2010 12:20
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Bis(2-chloroethoxy)methane
CAS #: 111-91-1
Report Date: 12/20/2010



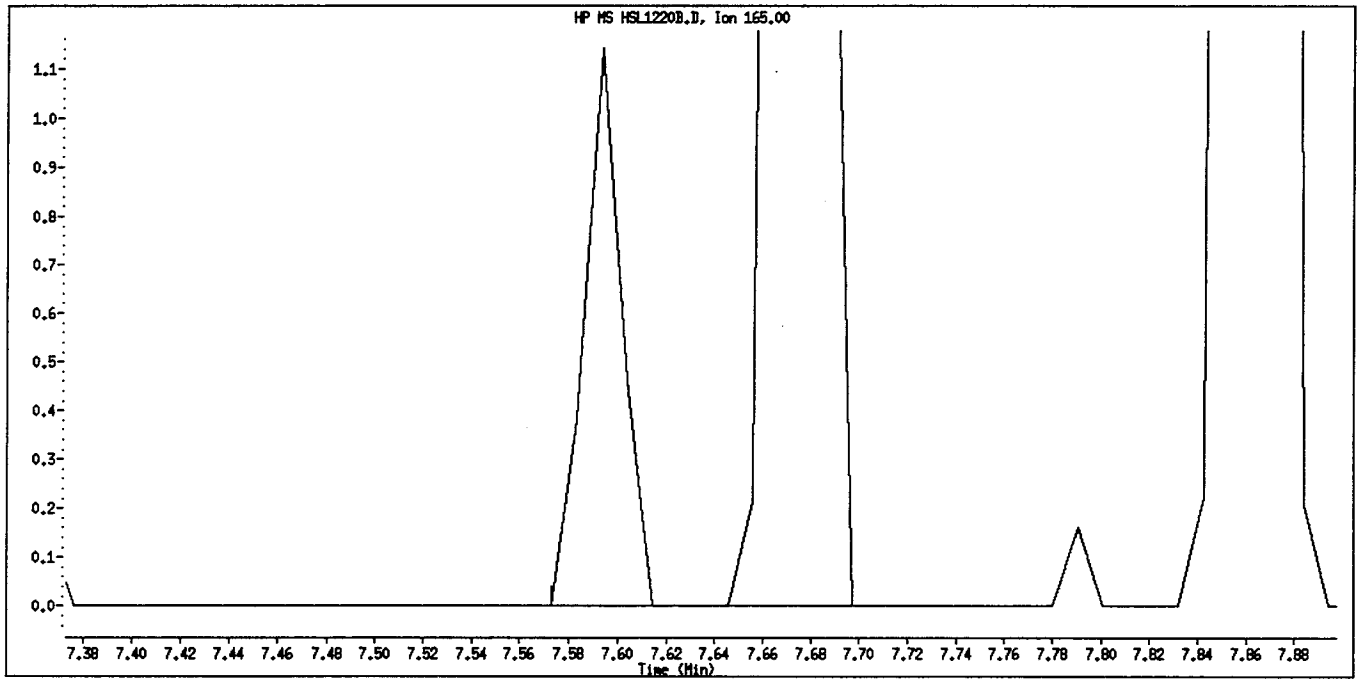
Original Integration



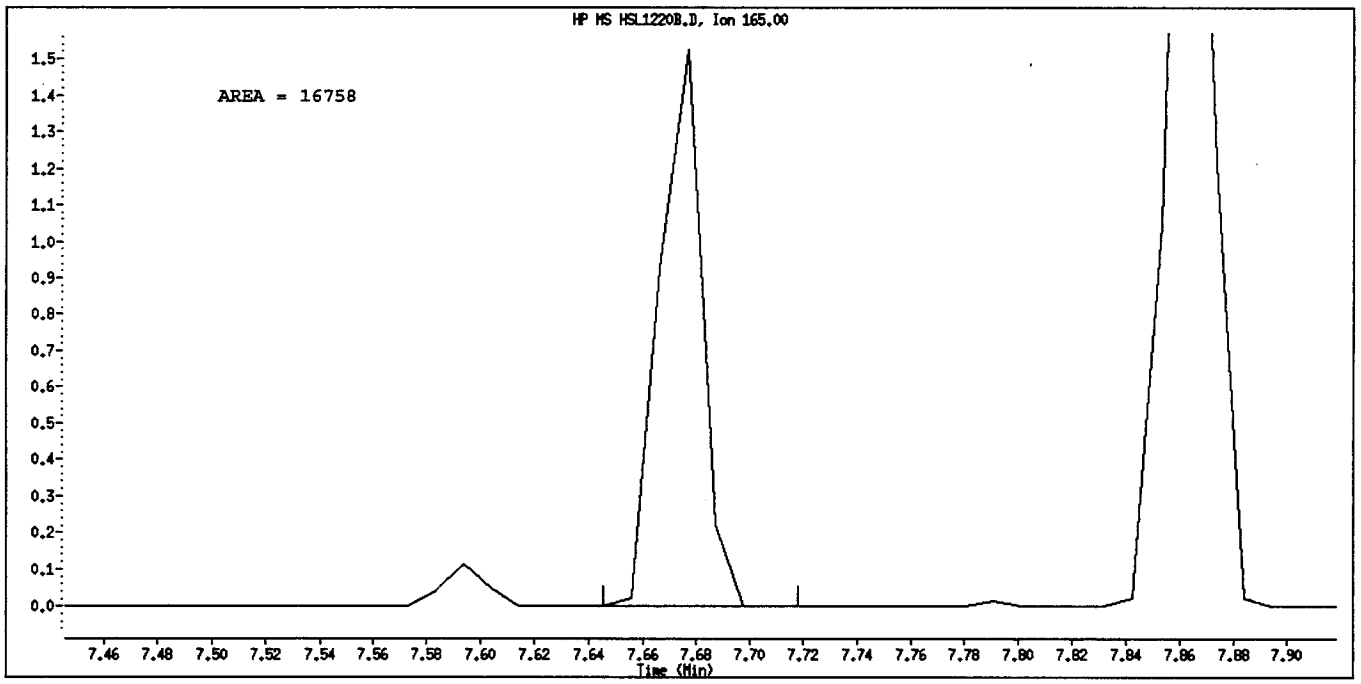
Manual Integration

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

Data File Name: HSL1220B.D
Inj. Date and Time: 20-DEC-2010 12:20
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 12/20/2010



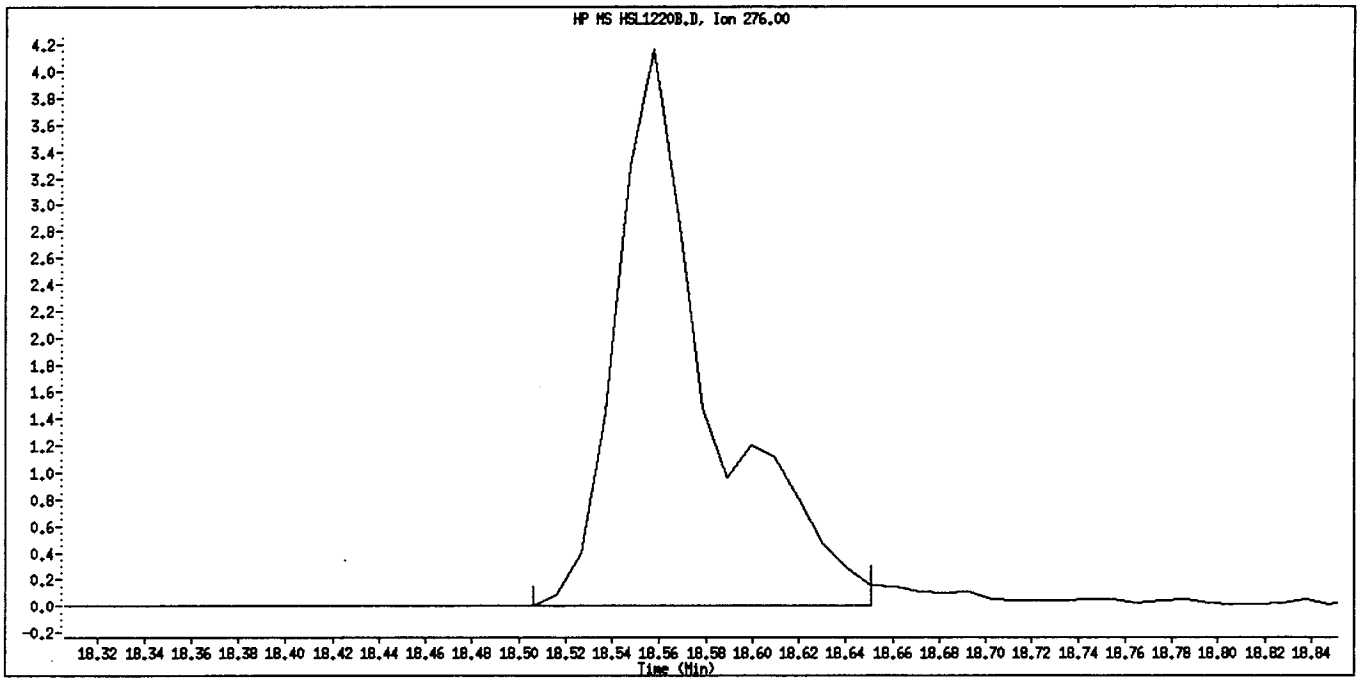
Original Integration



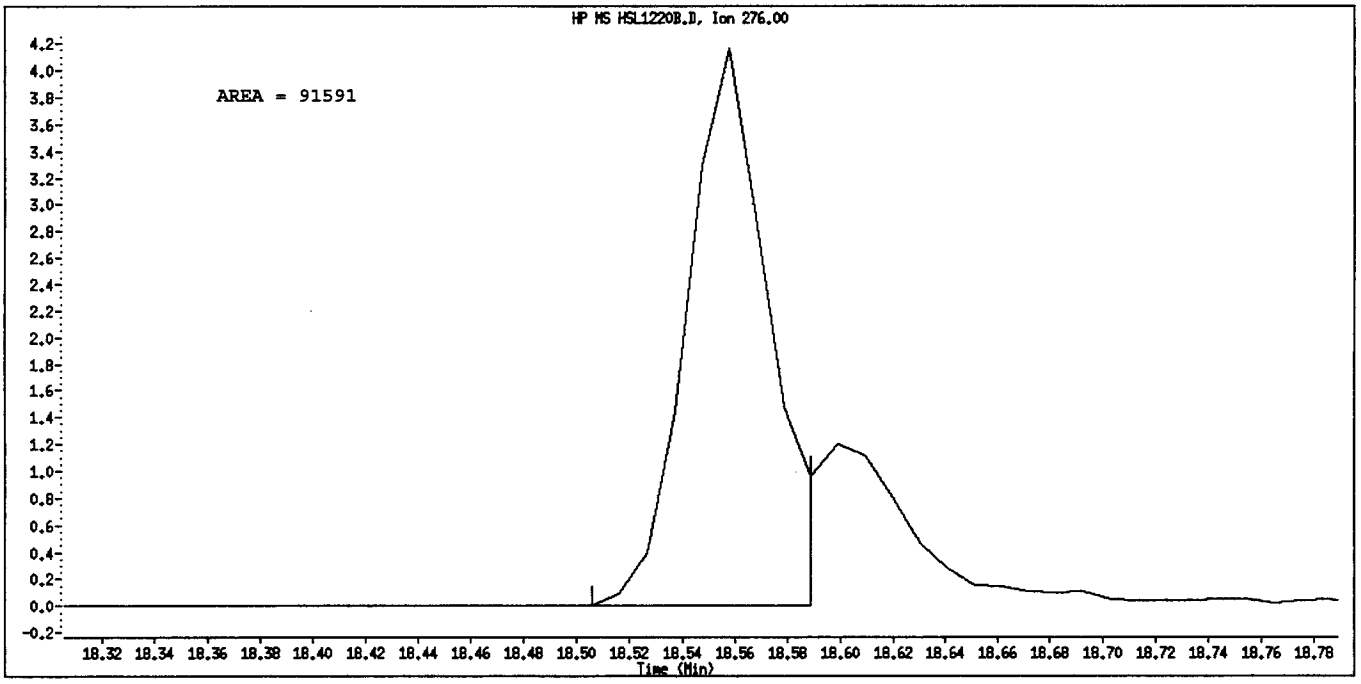
Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220B.D
Inj. Date and Time: 20-DEC-2010 12:20
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/20/2010



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\122010A.B\HSL1220B.D
Lab Smp Id: HSL_010 ug/ml CS-2 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 12:20
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	114213	40.0000	(q)
* 2	Naphthalene-d8	136	5.749	5.748	(1.000)	498020	40.0000	
* 3	Acenaphthene-d10	164	7.158	7.168	(1.000)	25127	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	434555	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	430557	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	412924	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	41357	10.0000	10.21
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	53955	10.0000	10.57
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.952)	47596	10.0000	10.66
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	28125	10.0000	10.07
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	45058	10.0000	10.64
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.986)	85055	10.0000	91.28
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.245)	9720	10.0000	79.22
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	84778	10.0000	10.02
15	N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	30945	10.0000	11.50(Q)
16	Pyridine	79	2.111	2.101	(0.489)	53739	10.0000	12.56(Q)
23	Aniline	93	4.018	4.018	(0.930)	73296	10.0000	11.18
24	Phenol	94	3.966	3.966	(0.918)	59012	10.0000	10.16
26	Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	49942	10.0000	11.97
27	2-Chlorophenol	128	4.132	4.132	(0.957)	43501	10.0000	9.762
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	47870	10.0000	9.889
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	49981	10.0000	9.860
30	Benzyl Alcohol	108	4.474	4.474	(1.036)	31702	10.0000	10.54
31	1,2-Dichlorobenzene	146	4.536	4.546	(1.050)	45507	10.0000	9.805
32	2-Methylphenol	108	4.598	4.598	(1.065)	41733	10.0000	10.16
33	2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	94385	10.0000	13.74
34	4-Methylphenol	108	4.764	4.764	(1.103)	44107	10.0000	10.15
36	Hexachloroethane	117	4.878	4.878	(1.130)	19733	10.0000	11.18
37	N-Nitrosodinpropylamine	70	4.806	4.805	(1.113)	38220	10.0000	12.81
42	Nitrobenzene	77	4.971	4.971	(0.865)	46950	10.0000	11.20
44	Isophorone	82	5.230	5.230	(0.910)	89302	10.0000	11.12
45	2-Nitrophenol	139	5.334	5.334	(0.928)	18507	10.0000	7.788
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	46525	10.0000	10.64

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.365	5.489	(0.933)	2388	10.0000	0.4862(Q)
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	32568	10.0000	9.771
50 Benzoic Acid	122	5.417	5.438	(0.942)	12603	10.0000	5.482(q)
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	37673	10.0000	10.36
52 Naphthalene	128	5.769	5.769	(1.004)	137012	10.0000	10.02
54 4-Chloroaniline	127	5.852	5.852	(1.018)	54369	10.0000	10.17
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	19825	10.0000	11.09
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	39519	10.0000	10.61
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	82727	10.0000	9.686
66 Hexachlorocyclopentadiene	237	6.857	6.868	(0.958)	20473	10.0000	93.87
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.971)	18864	10.0000	82.76
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.977)	18794	10.0000	75.90(q)
71 2-Chloronaphthalene	162	7.158	7.168	(1.000)	78376	10.0000	94.43
73 2-Nitroaniline	65	7.324	7.324	(1.023)	25358	10.0000	97.71
76 Dimethylphthalate	163	7.593	7.593	(1.061)	94505	10.0000	99.56
77 Acenaphthylene	152	7.676	7.676	(1.072)	129267	10.0000	91.40
79 2,6-Dinitrotoluene	165	7.593	7.676	(1.061)	17994	10.0000	82.91(Q)
80 3-Nitroaniline	138	7.832	7.831	(1.094)	21938	10.0000	81.79(q)
81 Acenaphthene	153	7.904	7.904	(1.104)	84605	10.0000	92.28
82 2,4-Dinitrophenol	184	7.956	7.956	(1.111)	5225	10.0000	51.27
83 Dibenzofuran	168	8.101	8.101	(1.132)	108495	10.0000	90.22
84 4-Nitrophenol	109	8.028	8.028	(1.122)	9051	10.0000	79.62(Q)
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.140)	18313	10.0000	65.68(q)
91 Fluorene	166	8.557	8.557	(1.195)	88057	10.0000	88.01
92 Diethylphthalate	149	8.495	8.505	(1.187)	88693	10.0000	91.03
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.197)	41146	10.0000	96.86
94 4-Nitroaniline	138	8.619	8.629	(1.204)	20514	10.0000	76.31
97 4,6-Dinitro-2-methylphenol	198	8.681	8.692	(0.879)	7314	10.0000	5.508(q)
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	73847	11.7000	11.25
100 Azobenzene	77	8.775	8.774	(0.889)	105821	10.0000	11.97
101 4-Bromophenyl-phenylether	248	9.231	9.241	(0.935)	21763	10.0000	10.23
108 Hexachlorobenzene	284	9.427	9.438	(0.955)	26836	10.0000	11.29
110 Pentachlorophenol	266	9.687	9.697	(0.981)	9258	10.0000	7.290(q)
114 Phenanthrene	178	9.904	9.904	(1.003)	131435	10.0000	9.607
115 Anthracene	178	9.977	9.977	(1.010)	132412	10.0000	9.686
118 Carbazole	167	10.236	10.236	(1.037)	124077	10.0000	9.927
120 Di-n-Butylphthalate	149	10.930	10.940	(1.107)	138999	10.0000	9.266
126 Fluoranthene	202	11.811	11.821	(1.196)	123708	10.0000	10.02
127 Benzidine	184	12.080	12.080	(0.843)	75252	10.0000	8.724
128 Pyrene	202	12.184	12.184	(0.850)	138151	10.0000	10.23
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	68661	10.0000	8.902
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	59933	10.0000	8.915
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	112583	10.0000	9.796
139 Chrysene	228	14.371	14.371	(1.003)	117958	10.0000	10.08
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	43006	10.0000	9.954
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	83894	10.0000	9.040
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	134282	10.0000	9.072
144 Benzo(b)fluoranthene	252	16.132	16.143	(0.964)	99874	10.0000	10.51
145 Benzo(k)fluoranthene	252	16.174	16.184	(0.967)	124491	10.0000	10.32
147 Benzo(e)pyrene	252	16.557	16.567	(0.989)	103391	10.0000	10.46
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	108954	10.0000	10.18
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.568	(1.109)	116128	10.0000	13.38
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	97098	10.0000	10.07
153 Benzo(g,h,i)perylene	276	19.034	19.044	(1.137)	103717	10.0000	10.02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				224365	10.0000	10.40(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: HSL1220B.D
Lab Smp Id: HSL_010 ug/ml CS-2
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0308;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	114213	17.55
2 Naphthalene-d8	440574	220287	881148	498020	13.04
3 Acenaphthene-d10	234996	117498	469992	275558	17.26
4 Phenanthrene-d10	360879	180440	721758	434555	20.42
5 Chrysene-d12	342230	171115	684460	430557	25.81
6 Perylene-d12	320443	160222	640886	412924	28.86

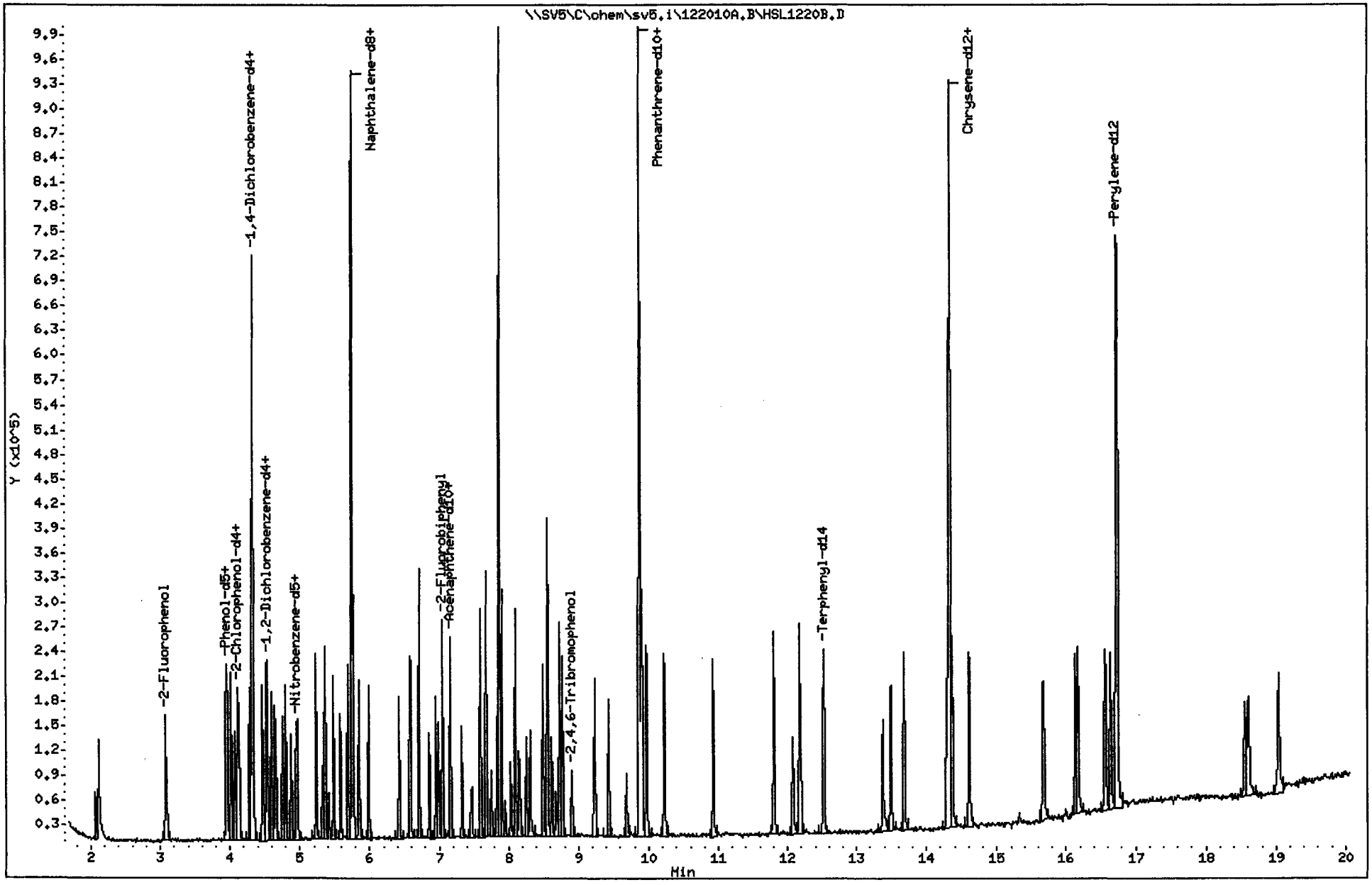
COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

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

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220B.D
Date : 20-DEC-2010 12:20
Client ID: 8270F.M
Sample Info: HSL_010 ug/ml CS-2;1;;2;;;;4

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

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 12:45
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:44 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 22:11 Cal File: AP90817B.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	118431	40.0000		
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	535309	40.0000		
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	289658	40.0000		(H)
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	464772	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	439932	40.0000		
*	6 Perylene-d12	264	16.733	16.733	(1.000)	408738	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	89782	20.0000	19.65	
$	8 Phenol-d5	99	3.956	3.956	(0.916)	114191	20.0000	19.62	
$	9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	97839	20.0000	19.70	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	56220	20.0000	19.50	
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	95974	20.0000	19.68	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	183426	20.0000	20.27	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	22453	20.0000	20.13	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	175883	20.0000	19.45	
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	68357	20.0000	20.55	(Q)
	16 Pyridine	79	2.111	2.111	(0.489)	105050	20.0000	19.46	(Q)
	23 Aniline	93	4.018	4.018	(0.930)	154174	20.0000	19.99	
	24 Phenol	94	3.966	3.966	(0.918)	123738	20.0000	20.22	
	26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	101148	20.0000	19.99	
	27 2-Chlorophenol	128	4.132	4.132	(0.957)	94132	20.0000	19.86	
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	102427	20.0000	20.10	
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	106256	20.0000	20.25	
	30 Benzyl Alcohol	108	4.474	4.474	(1.036)	64947	20.0000	19.40	
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	97447	20.0000	19.78	
	32 2-Methylphenol	108	4.598	4.598	(1.065)	94916	20.0000	20.77	
	33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	196435	20.0000	20.03	
	34 4-Methylphenol	108	4.764	4.764	(1.103)	94951	20.0000	19.85	
	36 Hexachloroethane	117	4.878	4.878	(1.130)	41388	20.0000	19.64	
	37 N-Nitrosodinpropylamine	70	4.806	4.806	(1.113)	77761	20.0000	19.98	
	42 Nitrobenzene	77	4.971	4.971	(0.865)	105030	20.0000	20.32	
	44 Isophorone	82	5.230	5.230	(0.910)	184152	20.0000	19.51	
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	42763	20.0000	19.24	
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	96959	20.0000	19.76	

12/20/10

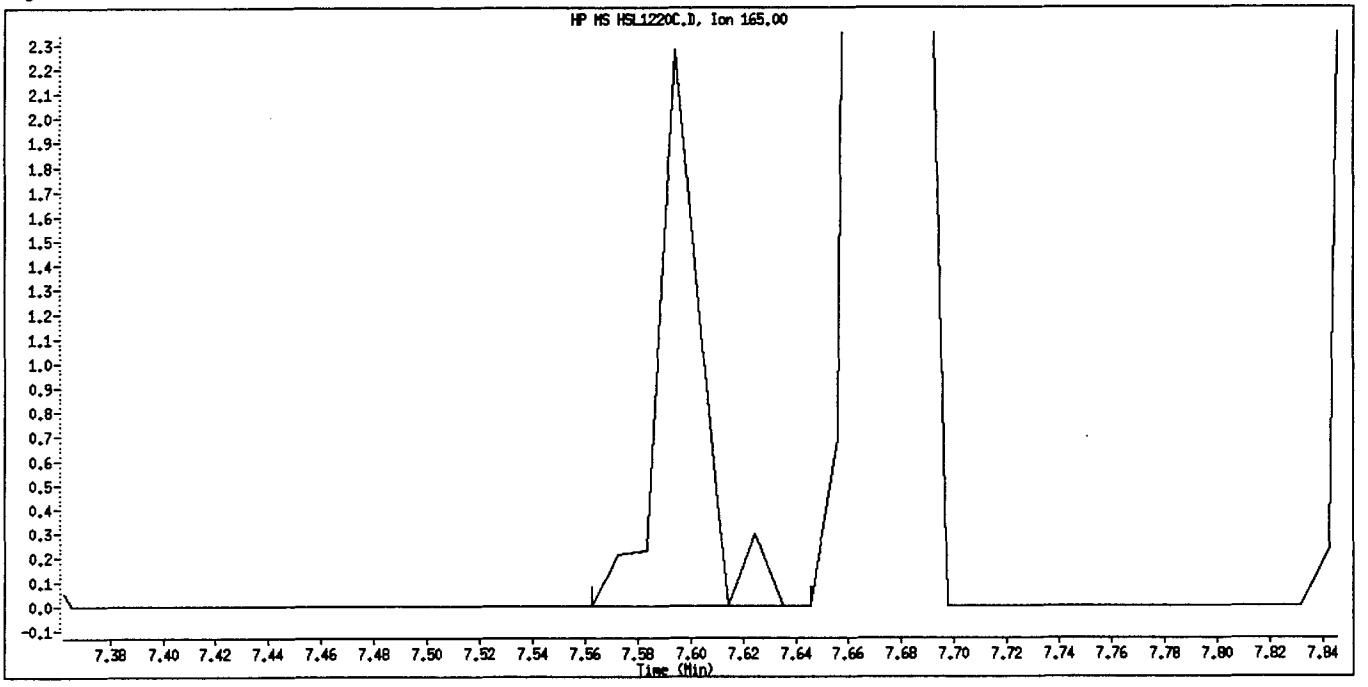
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	118432	20.0000	20.07
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	71724	20.0000	20.33
50	Benzoic Acid	122	5.427	5.427	(0.944)	29889	20.0000	16.51
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	81498	20.0000	20.20
52	Naphthalene	128	5.769	5.769	(1.004)	285526	20.0000	19.38
54	4-Chloroaniline	127	5.852	5.852	(1.018)	116788	20.0000	19.95
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	42565	20.0000	20.97
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	78878	20.0000	19.21
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	178291	20.0000	19.94
66	Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	41653	20.0000	19.46
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	40795	20.0000	19.47
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	45857	20.0000	19.56(Q)
71	2-Chloronaphthalene	162	7.158	7.158	(0.910)	164061	20.0000	19.84
73	2-Nitroaniline	65	7.324	7.324	(0.931)	52408	20.0000	18.20
76	Dimethylphthalate	163	7.593	7.593	(0.966)	192138	20.0000	19.98
77	Acenaphthylene	152	7.676	7.676	(0.976)	260762	20.0000	19.53
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	35348	20.0000	18.10(M)
80	3-Nitroaniline	138	7.832	7.832	(0.996)	44371	20.0000	18.25
81	Acenaphthene	153	7.904	7.904	(1.005)	179099	20.0000	19.89
82	2,4-Dinitrophenol	184	7.956	7.956	(1.012)	11337	20.0000	17.43
83	Dibenzofuran	168	8.101	8.101	(1.030)	233705	20.0000	20.19
84	4-Nitrophenol	109	8.028	8.028	(1.021)	22577	20.0000	20.24(Q)
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	43104	20.0000	18.20
91	Fluorene	166	8.557	8.557	(1.088)	192053	20.0000	20.00
92	Diethylphthalate	149	8.495	8.495	(1.080)	190207	20.0000	19.86
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	84378	20.0000	19.94
94	4-Nitroaniline	138	8.619	8.619	(1.096)	42741	20.0000	18.40
97	4,6-Dinitro-2-methylphenol	198	8.681	8.681	(0.879)	16176	20.0000	16.03
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	155456	23.4000	22.67
100	Azobenzene	77	8.775	8.775	(0.889)	224836	20.0000	19.47
101	4-Bromophenyl-phenylether	248	9.231	9.231	(0.935)	46765	20.0000	19.44
108	Hexachlorobenzene	284	9.427	9.427	(0.955)	52406	20.0000	19.30
110	Pentachlorophenol	266	9.687	9.687	(0.981)	22357	20.0000	18.48
114	Phenanthrene	178	9.904	9.904	(1.003)	281159	20.0000	19.62
115	Anthracene	178	9.966	9.966	(1.009)	276324	20.0000	19.33
118	Carbazole	167	10.236	10.236	(1.037)	257693	20.0000	19.50
120	Di-n-Butylphthalate	149	10.930	10.930	(1.107)	309458	20.0000	19.24
126	Fluoranthene	202	11.811	11.811	(1.196)	265266	20.0000	19.75
127	Benzidine	184	12.080	12.080	(0.843)	156255	20.0000	18.42
128	Pyrene	202	12.184	12.184	(0.850)	289528	20.0000	19.42
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	146463	20.0000	18.68
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	131715	20.0000	19.32
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	227497	20.0000	19.28
139	Chrysene	228	14.371	14.371	(1.003)	239532	20.0000	19.94
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	84268	20.0000	18.87
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	188021	20.0000	19.68
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	286210	20.0000	19.24
144	Benzo(b)fluoranthene	252	16.132	16.132	(0.964)	203305	20.0000	18.56
145	Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	255119	20.0000	20.68
147	Benzo(e)pyrene	252	16.568	16.568	(0.990)	206584	20.0000	19.53
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	223369	20.0000	19.80
151	Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	174798	20.0000	18.80
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	194557	20.0000	19.44
153	Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	213706	20.0000	20.54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				458424	20.0000	

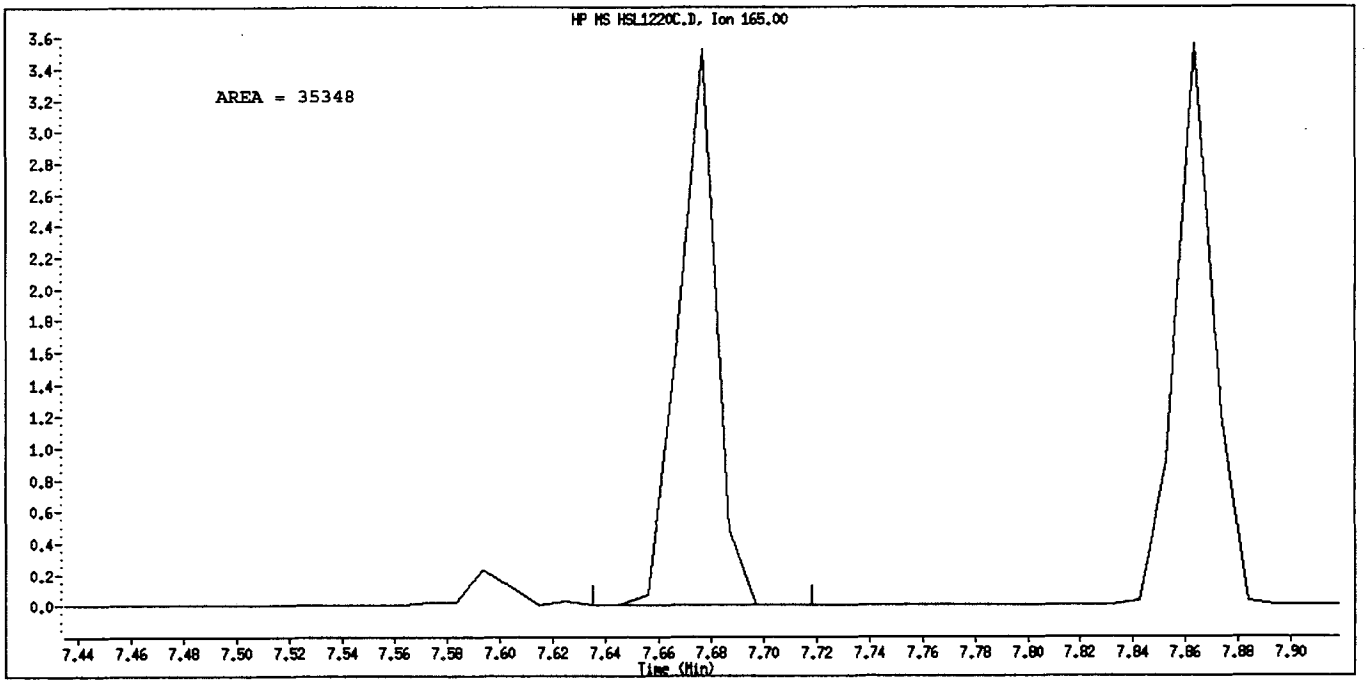
QC Flag Legend

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

Data File Name: HSL1220C.D
Inj. Date and Time: 20-DEC-2010 12:45
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 12/20/2010



Original Integration



Manual Integration

Manually Integrated By: truongk
Manual Integration Reason: Wrong Peak

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220C.D
Lab Smp Id: HSL_020 ug/ml CS-3 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 12:45
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	118431	40.0000	
*	2 Naphthalene-d8	136	5.749	5.748	(1.000)	535309	40.0000	
*	3 Acenaphthene-d10	164	7.158	7.168	(1.000)	51870	40.0000	
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	464772	40.0000	
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	439932	40.0000	
*	6 Perylene-d12	264	16.733	16.733	(1.000)	408738	40.0000	
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	89782	20.0000	21.37
$	8 Phenol-d5	99	3.956	3.945	(0.916)	114191	20.0000	21.58
$	9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	97839	20.0000	21.13
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	56220	20.0000	19.41
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	95974	20.0000	21.10
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.986)	183426	20.0000	95.36
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.245)	22453	20.0000	88.65
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	175883	20.0000	20.34
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	68357	20.0000	24.50
	16 Pyridine	79	2.111	2.101	(0.489)	105050	20.0000	23.68(Q)
	23 Aniline	93	4.018	4.018	(0.930)	154174	20.0000	22.67
	24 Phenol	94	3.966	3.966	(0.918)	123738	20.0000	20.55
	26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	101148	20.0000	23.38
	27 2-Chlorophenol	128	4.132	4.132	(0.957)	94132	20.0000	20.37
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	102427	20.0000	20.40
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	106256	20.0000	20.22
	30 Benzyl Alcohol	108	4.474	4.474	(1.036)	64947	20.0000	20.83
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	97447	20.0000	20.25
	32 2-Methylphenol	108	4.598	4.598	(1.065)	94916	20.0000	22.28
	33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	196435	20.0000	27.57
	34 4-Methylphenol	108	4.764	4.764	(1.103)	94951	20.0000	21.08
	36 Hexachloroethane	117	4.878	4.878	(1.130)	41388	20.0000	22.60
	37 N-Nitrosodinpropylamine	70	4.806	4.805	(1.113)	77761	20.0000	25.13
	42 Nitrobenzene	77	4.971	4.971	(0.865)	105030	20.0000	23.32
	44 Isophorone	82	5.230	5.230	(0.910)	184152	20.0000	21.34
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	42763	20.0000	16.74
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	96959	20.0000	20.62

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	118432	20.0000	22.44
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	71724	20.0000	20.02
50 Benzoic Acid	122	5.427	5.438	(0.944)	29889	20.0000	12.10(q)
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	81498	20.0000	20.85
52 Naphthalene	128	5.769	5.769	(1.004)	285526	20.0000	19.43
54 4-Chloroaniline	127	5.852	5.852	(1.018)	116788	20.0000	20.32
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	42565	20.0000	22.15
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	78878	20.0000	19.71
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	178291	20.0000	19.42
66 Hexachlorocyclopentadiene	237	6.857	6.868	(0.958)	41653	20.0000	92.51
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.971)	40795	20.0000	86.70
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.977)	45857	20.0000	89.71
71 2-Chloronaphthalene	162	7.158	7.168	(1.000)	164061	20.0000	95.75
73 2-Nitroaniline	65	7.324	7.324	(1.023)	52408	20.0000	97.83
76 Dimethylphthalate	163	7.593	7.593	(1.061)	192138	20.0000	98.06
77 Acenaphthylene	152	7.676	7.676	(1.072)	260762	20.0000	89.31
79 2,6-Dinitrotoluene	165	7.593	7.676	(1.061)	2575	20.0000	5.747(Q)
80 3-Nitroaniline	138	7.832	7.831	(1.094)	44371	20.0000	80.13
81 Acenaphthene	153	7.904	7.904	(1.104)	179099	20.0000	94.63
82 2,4-Dinitrophenol	184	7.956	7.956	(1.111)	11337	20.0000	53.89
83 Dibenzofuran	168	8.101	8.101	(1.132)	233705	20.0000	94.15
84 4-Nitrophenol	109	8.028	8.028	(1.122)	22577	20.0000	96.22(Q)
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.140)	43104	20.0000	74.89
91 Fluorene	166	8.557	8.557	(1.195)	192053	20.0000	92.99
92 Diethylphthalate	149	8.495	8.505	(1.187)	190207	20.0000	94.56
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.197)	84378	20.0000	96.22
94 4-Nitroaniline	138	8.619	8.629	(1.204)	42741	20.0000	77.02(q)
97 4,6-Dinitro-2-methylphenol	198	8.681	8.692	(0.879)	16176	20.0000	11.39(q)
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	155456	23.4000	22.14
100 Azobenzene	77	8.775	8.774	(0.889)	224836	20.0000	23.78
101 4-Bromophenyl-phenylether	248	9.231	9.241	(0.935)	46765	20.0000	20.56
108 Hexachlorobenzene	284	9.427	9.438	(0.955)	52406	20.0000	20.62
110 Pentachlorophenol	266	9.687	9.697	(0.981)	22357	20.0000	16.46
114 Phenanthrene	178	9.904	9.904	(1.003)	281159	20.0000	19.21
115 Anthracene	178	9.966	9.977	(1.009)	276324	20.0000	18.90
118 Carbazole	167	10.236	10.236	(1.037)	257693	20.0000	19.28
120 Di-n-Butylphthalate	149	10.930	10.940	(1.107)	309458	20.0000	19.29
126 Fluoranthene	202	11.811	11.821	(1.196)	265266	20.0000	20.09
127 Benzidine	184	12.080	12.080	(0.843)	156255	20.0000	17.73
128 Pyrene	202	12.184	12.184	(0.850)	289528	20.0000	20.99
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	146463	20.0000	18.58
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	131715	20.0000	19.18
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	227497	20.0000	19.37
139 Chrysene	228	14.371	14.371	(1.003)	239532	20.0000	20.03
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	84268	20.0000	19.09
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	188021	20.0000	19.83
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	286210	20.0000	18.92
144 Benzo(b)fluoranthene	252	16.132	16.143	(0.964)	203305	20.0000	21.61
145 Benzo(k)fluoranthene	252	16.174	16.184	(0.967)	255119	20.0000	21.36
147 Benzo(e)pyrene	252	16.568	16.567	(0.990)	206584	20.0000	21.11
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	223369	20.0000	21.10
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.568	(1.109)	174798	20.0000	20.35
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	194557	20.0000	20.38
153 Benzo(g,h,i)perylene	276	19.034	19.044	(1.137)	213706	20.0000	20.87

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				458424	20.0000	21.47(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: HSL1220C.D
Lab Smp Id: HSL_020 ug/ml CS-3
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0309;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	118431	21.89
2 Naphthalene-d8	440574	220287	881148	535309	21.50
3 Acenaphthene-d10	234996	117498	469992	289658	23.26
4 Phenanthrene-d10	360879	180440	721758	464772	28.79
5 Chrysene-d12	342230	171115	684460	439932	28.55
6 Perylene-d12	320443	160222	640886	408738	27.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

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

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220C.D

Page 5

Date : 20-DEC-2010 12:45

Client ID: 8270F.M

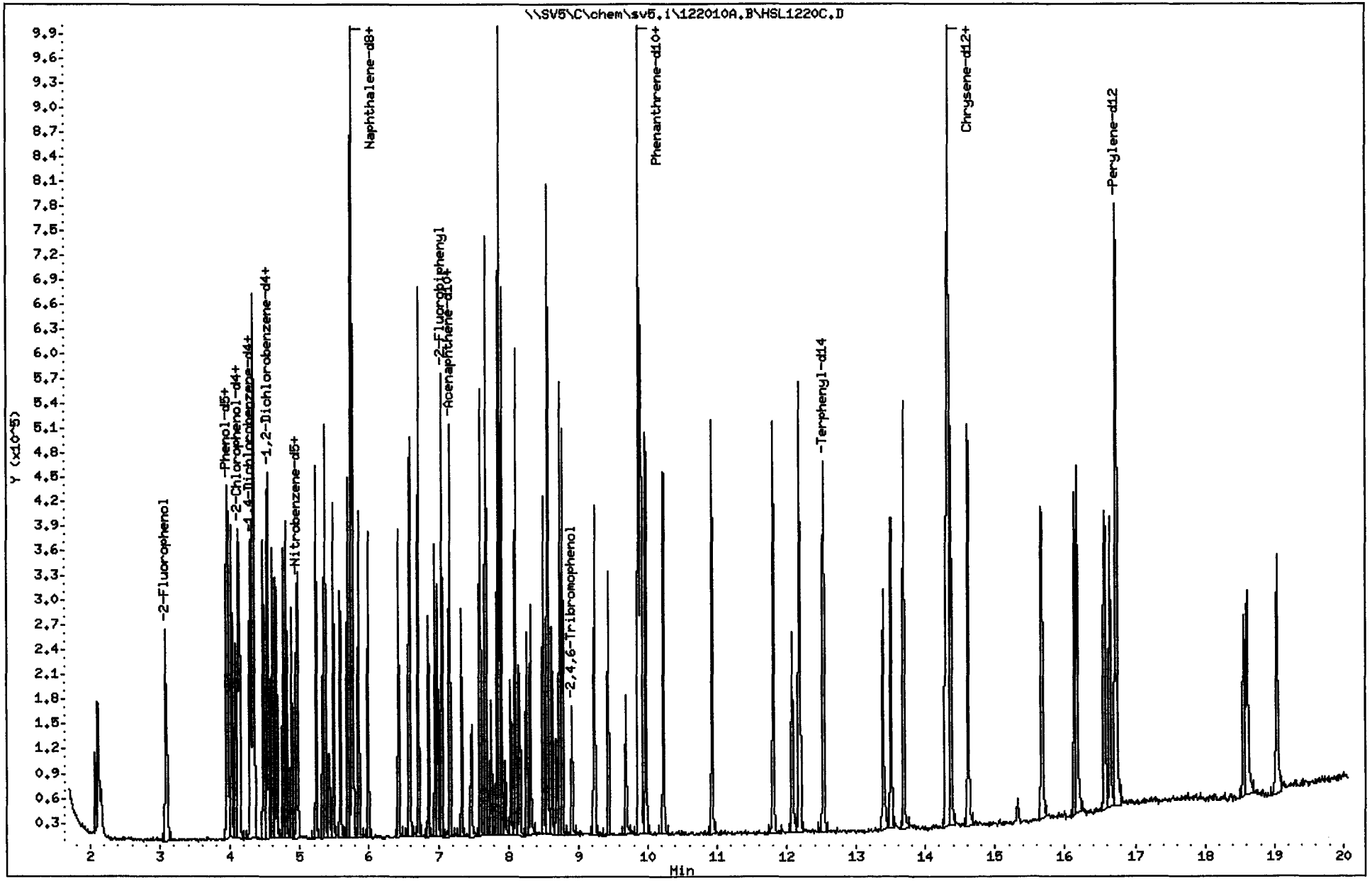
Instrument: sv5.i

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

Operator: KT

Column phase:

Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 13:17
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:49 onishim Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	97159	40.0000		
* 2	Naphthalene-d8	136	5.748	5.748	(1.000)	440574	40.0000		
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	234996	40.0000		(H)
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	360879	40.0000		
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	342230	40.0000		
* 6	Perylene-d12	264	16.733	16.733	(1.000)	320443	40.0000		
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	182725	50.0000	48.76	
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	229782	50.0000	48.13	
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.952)	199329	50.0000	48.94	
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	114423	50.0000	48.37	
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	192231	50.0000	47.90	
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	354511	50.0000	48.28	
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	43215	50.0000	47.75	
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	339260	50.0000	48.24	
15	N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	129336	50.0000	47.40	
16	Pyridine	79	2.101	2.101	(0.487)	222122	50.0000	50.16	(M)
23	Aniline	93	4.018	4.018	(0.930)	308730	50.0000	48.78	
24	Phenol	94	3.966	3.966	(0.918)	243858	50.0000	48.58	
26	Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	202547	50.0000	48.78	
27	2-Chlorophenol	128	4.132	4.132	(0.957)	189400	50.0000	48.72	
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	203463	50.0000	48.66	
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	209790	50.0000	48.74	
30	Benzyl Alcohol	108	4.474	4.474	(1.036)	129096	50.0000	47.01	
31	1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	193834	50.0000	47.96	
32	2-Methylphenol	108	4.598	4.598	(1.065)	180535	50.0000	48.16	
33	2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	389656	50.0000	48.43	
34	4-Methylphenol	108	4.764	4.764	(1.103)	186719	50.0000	47.58	
36	Hexachloroethane	117	4.878	4.878	(1.130)	84797	50.0000	49.06	
37	N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	152574	50.0000	47.77	
42	Nitrobenzene	77	4.971	4.971	(0.865)	202834	50.0000	47.68	
44	Isophorone	82	5.230	5.230	(0.910)	380243	50.0000	48.95	
45	2-Nitrophenol	139	5.334	5.334	(0.928)	88590	50.0000	48.43	
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	200624	50.0000	49.68	

12/20/10

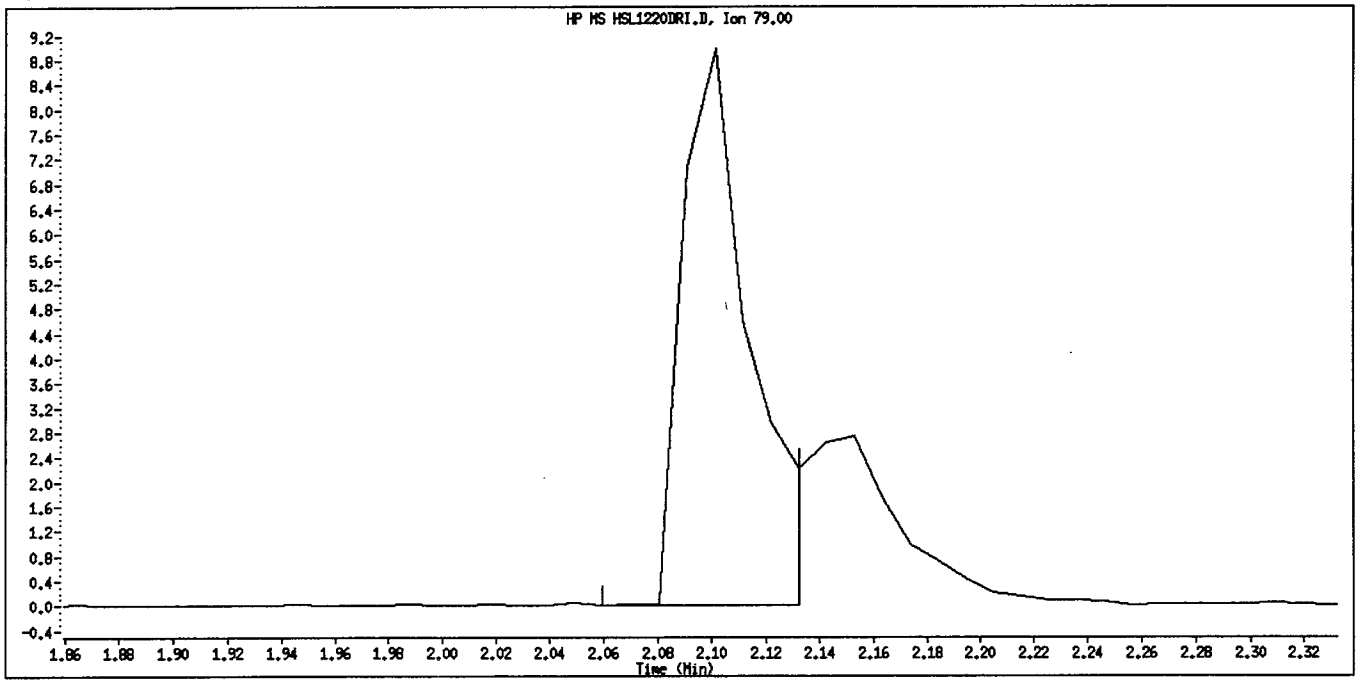
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	231330	50.0000	47.62
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	139678	50.0000	48.11
50	Benzoic Acid	122	5.438	5.438	(0.946)	73413	50.0000	46.85
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	162202	50.0000	48.84
52	Naphthalene	128	5.769	5.769	(1.004)	577443	50.0000	47.63
54	4-Chloroaniline	127	5.852	5.852	(1.018)	228614	50.0000	47.44
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	81091	50.0000	48.55
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	160493	50.0000	47.49
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	355944	50.0000	48.37
66	Hexachlorocyclopentadiene	237	6.868	6.868	(0.873)	83640	50.0000	48.18
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	82017	50.0000	48.26
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	93774	50.0000	49.32
71	2-Chloronaphthalene	162	7.168	7.168	(0.912)	329060	50.0000	49.04
73	2-Nitroaniline	65	7.324	7.324	(0.931)	112126	50.0000	48.00
76	Dimethylphthalate	163	7.593	7.593	(0.966)	373541	50.0000	47.87
77	Acenaphthylene	152	7.676	7.676	(0.976)	531254	50.0000	49.04
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	80848	50.0000	51.04(M)
80	3-Nitroaniline	138	7.831	7.831	(0.996)	98414	50.0000	49.90
81	Acenaphthene	153	7.904	7.904	(1.005)	360639	50.0000	49.36
82	2,4-Dinitrophenol	184	7.956	7.956	(1.012)	24494	50.0000	47.40
83	Dibenzofuran	168	8.101	8.101	(1.030)	458954	50.0000	48.87
84	4-Nitrophenol	109	8.028	8.028	(1.021)	43642	50.0000	48.24
86	2,4-Dinitrotoluene	165	8.163	8.164	(1.038)	98845	50.0000	49.10
91	Fluorene	166	8.557	8.557	(1.088)	386317	50.0000	49.58
92	Diethylphthalate	149	8.505	8.505	(1.082)	386279	50.0000	49.70
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	174966	50.0000	50.96
94	4-Nitroaniline	138	8.629	8.629	(1.098)	100072	50.0000	53.10
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	38554	50.0000	47.41
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	312231	58.6000	58.65
100	Azobenzene	77	8.774	8.774	(0.889)	444618	50.0000	49.58
101	4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	91471	50.0000	48.96
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	99600	50.0000	47.25
110	Pentachlorophenol	266	9.697	9.697	(0.982)	45311	50.0000	48.23
114	Phenanthrene	178	9.904	9.904	(1.003)	555751	50.0000	49.94
115	Anthracene	178	9.977	9.977	(1.010)	564615	50.0000	50.87
118	Carbazole	167	10.236	10.236	(1.037)	514932	50.0000	50.19
120	Di-n-Butylphthalate	149	10.940	10.940	(1.108)	611653	50.0000	48.98
126	Fluoranthene	202	11.821	11.821	(1.197)	520307	50.0000	49.90
127	Benzidine	184	12.080	12.080	(0.843)	325659	50.0000	49.34
128	Pyrene	202	12.184	12.184	(0.850)	561885	50.0000	48.44
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	305563	50.0000	50.09
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	261437	50.0000	49.30
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	453502	50.0000	49.40
139	Chrysene	228	14.371	14.371	(1.003)	461280	50.0000	49.37
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	169213	50.0000	48.71
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	361494	50.0000	48.64
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	561341	50.0000	48.50
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	442710	50.0000	51.56
145	Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	458746	50.0000	47.42
147	Benzo(e)pyrene	252	16.567	16.567	(0.990)	421973	50.0000	50.88
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	438782	50.0000	49.62
151	Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	368449	50.0000	50.56(M)
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	387781	50.0000	49.42
153	Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	394658	50.0000	48.39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				901456	50.0000	49.37(A)

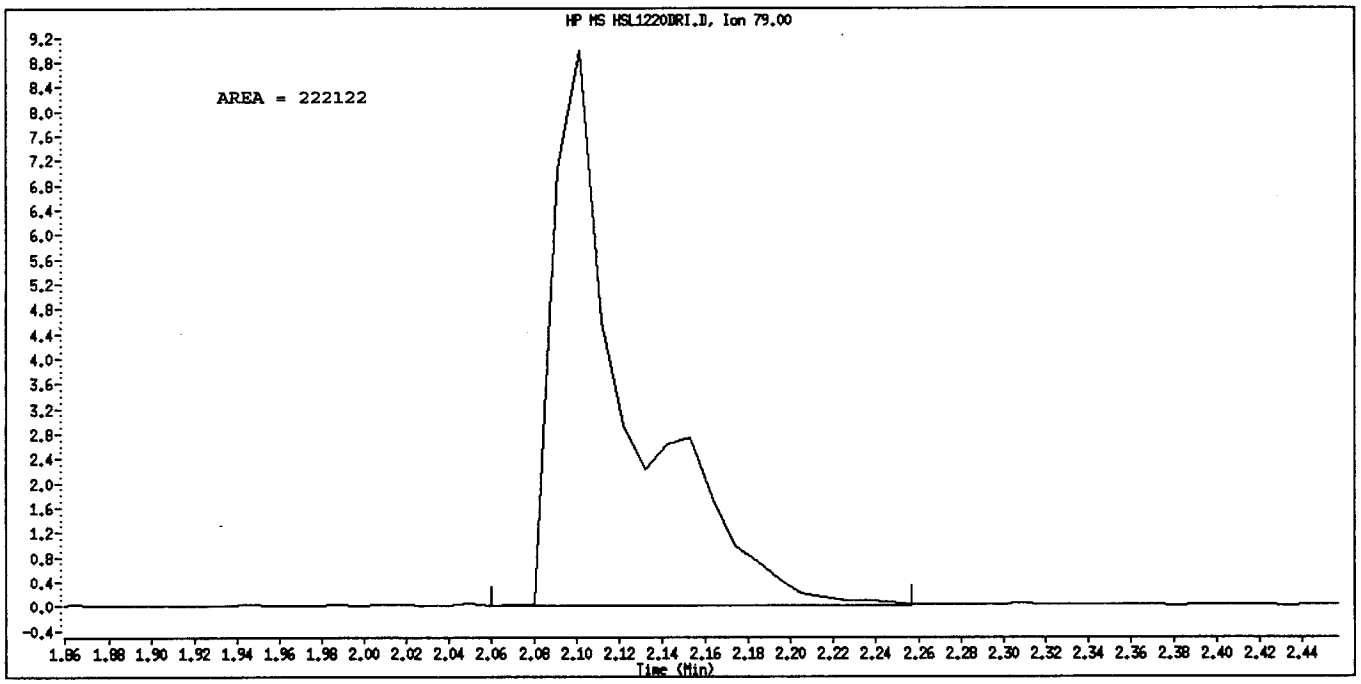
QC Flag Legend

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

Data File Name: HSL1220DRI.D
Inj. Date and Time: 20-DEC-2010 13:17
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/20/2010



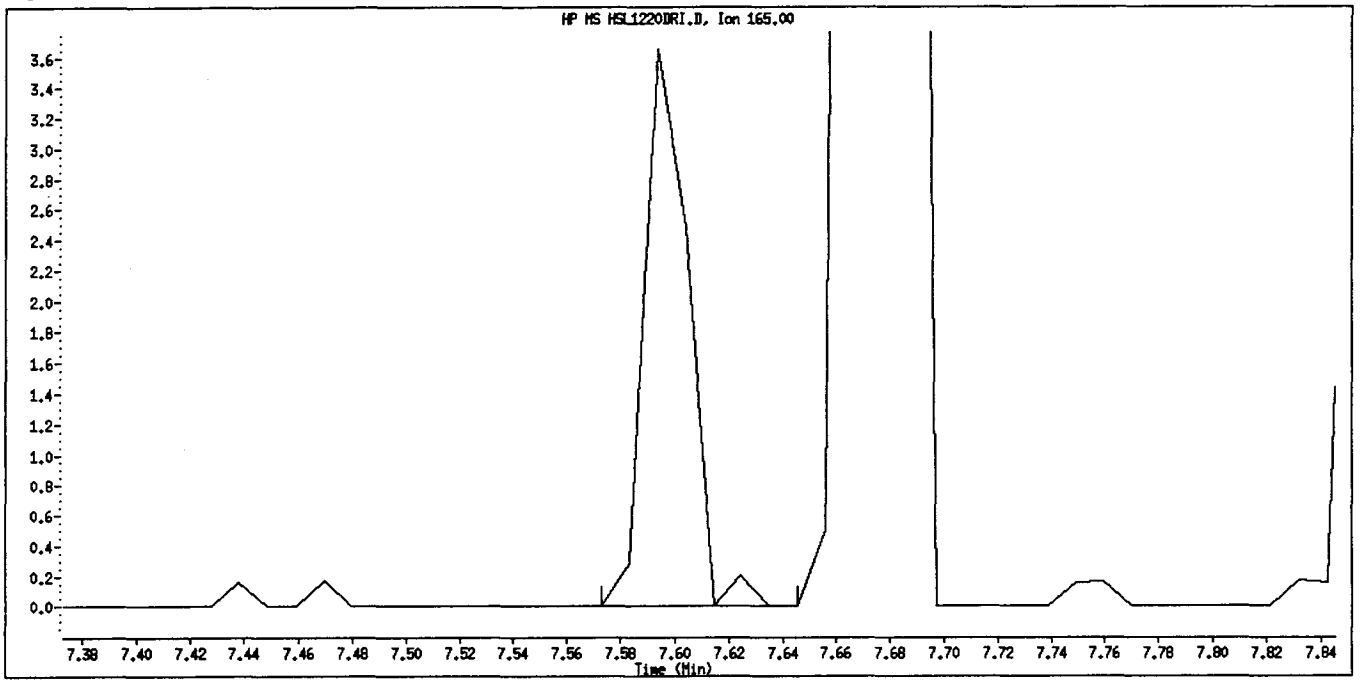
Original Integration



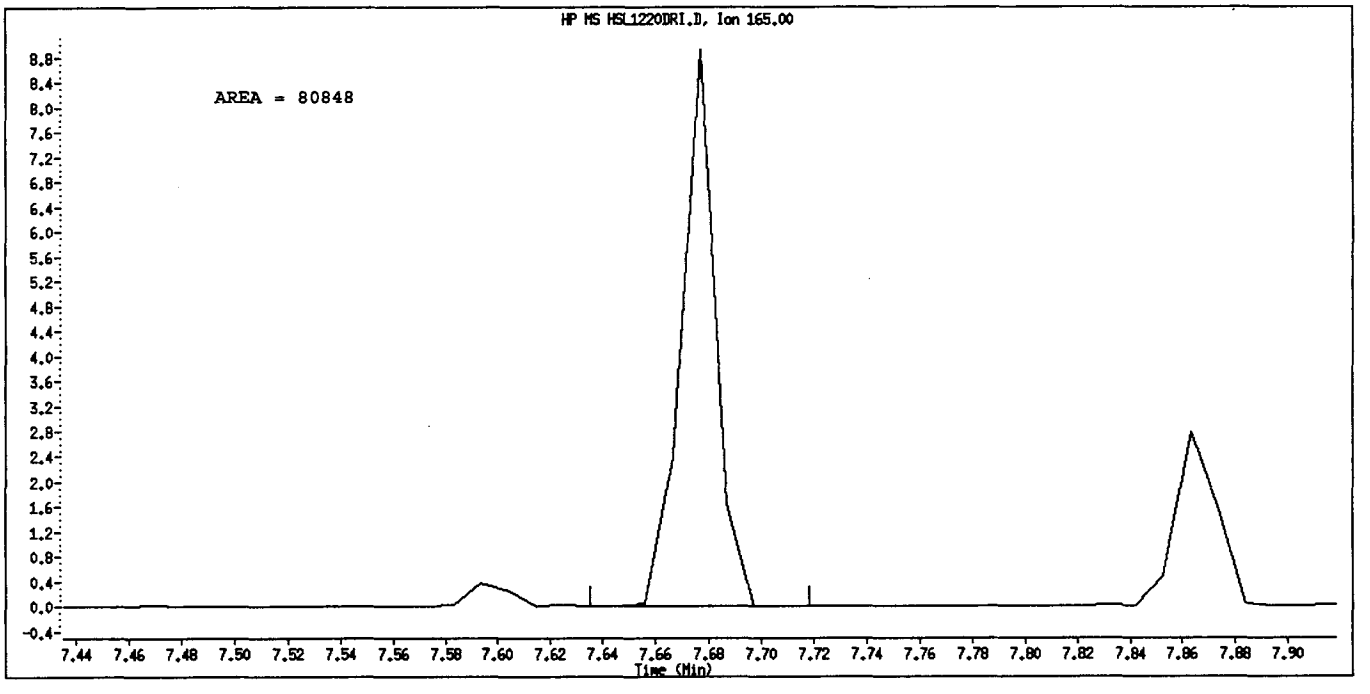
Manual Integration

Manually Integrated By: ~~semivod~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220DRI.D
Inj. Date and Time: 20-DEC-2010 13:17
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: 2,6-Dinitrotoluene
CAS #: 606-20-2
Report Date: 12/20/2010



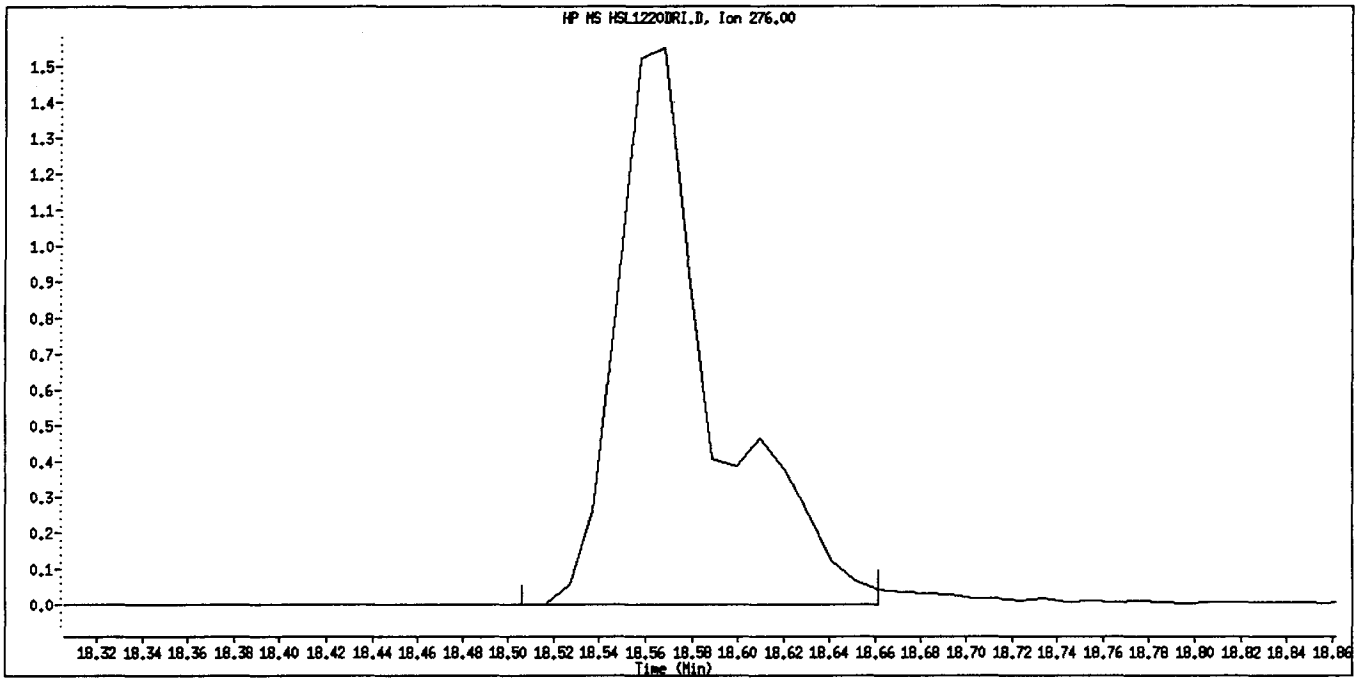
Original Integration



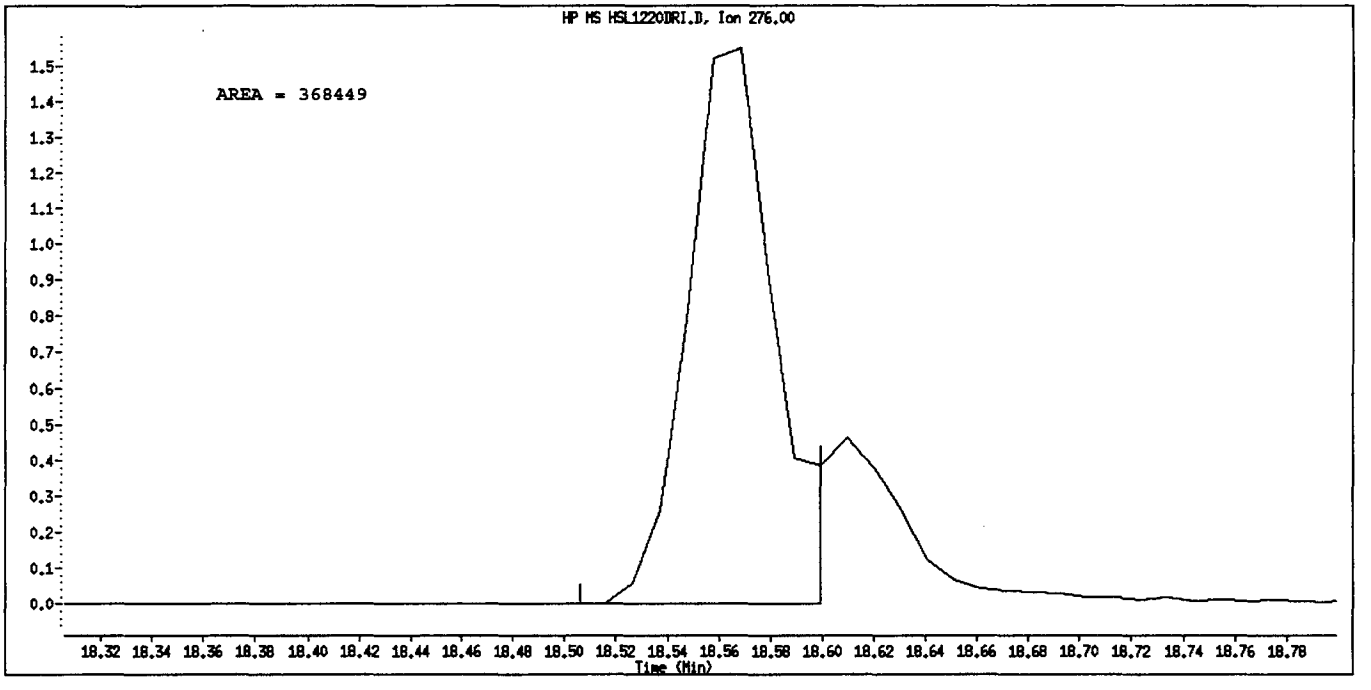
Manual Integration

Manually Integrated By: ~~semivoa~~ VT 12/22/10
Manual Integration Reason: Wrong Peak

Data File Name: HSL1220DRI.D
Inj. Date and Time: 20-DEC-2010 13:17
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/20/2010



Original Integration



Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI.D
Lab Smp Id: HSL_050 ug/ml CS-4 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 13:17
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	97159	40.0000	
* 2	Naphthalene-d8	136	5.748	5.748	(1.000)	440574	40.0000	
* 3	Acenaphthene-d10	164	7.168	7.168	(1.000)	104833	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	360879	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	342230	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	320443	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	182725	50.0000	53.02
$ 8	Phenol-d5	99	3.945	3.945	(0.914)	229782	50.0000	52.92
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.952)	199329	50.0000	52.48
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	114423	50.0000	48.15
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	192231	50.0000	51.34
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.984)	354511	50.0000	91.19
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.243)	43215	50.0000	84.42
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	339260	50.0000	50.43
15	N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	129336	50.0000	56.51
16	Pyridine	79	2.101	2.101	(0.487)	153793	50.0000	42.26
23	Aniline	93	4.018	4.018	(0.930)	308730	50.0000	55.34
24	Phenol	94	3.966	3.966	(0.918)	243858	50.0000	49.37
26	Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	202547	50.0000	57.06
27	2-Chlorophenol	128	4.132	4.132	(0.957)	189400	50.0000	49.96
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	203463	50.0000	49.41
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	209790	50.0000	48.65
30	Benzyl Alcohol	108	4.474	4.474	(1.036)	129096	50.0000	50.48
31	1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	193834	50.0000	49.10
32	2-Methylphenol	108	4.598	4.598	(1.065)	180535	50.0000	51.66
33	2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	389656	50.0000	66.66
34	4-Methylphenol	108	4.764	4.764	(1.103)	186719	50.0000	50.53
36	Hexachloroethane	117	4.878	4.878	(1.130)	84797	50.0000	56.45
37	N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	152574	50.0000	60.11
42	Nitrobenzene	77	4.971	4.971	(0.865)	202834	50.0000	54.72
44	Isophorone	82	5.230	5.230	(0.910)	380243	50.0000	53.53
45	2-Nitrophenol	139	5.334	5.334	(0.928)	88590	50.0000	42.14
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	200624	50.0000	51.85

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	231330	50.0000	53.24
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	139678	50.0000	47.37
50	Benzoic Acid	122	5.438	5.438	(0.946)	73413	50.0000	36.10
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	162202	50.0000	50.43
52	Naphthalene	128	5.769	5.769	(1.004)	577443	50.0000	47.74
54	4-Chloroaniline	127	5.852	5.852	(1.018)	228614	50.0000	48.33
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	81091	50.0000	51.28
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	160493	50.0000	48.73
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	355944	50.0000	47.11
66	Hexachlorocyclopentadiene	237	6.868	6.868	(0.958)	83640	50.0000	91.92
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.970)	82017	50.0000	86.25
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.975)	93774	50.0000	90.77
71	2-Chloronaphthalene	162	7.168	7.168	(1.000)	329060	50.0000	95.02
73	2-Nitroaniline	65	7.324	7.324	(1.022)	112126	50.0000	103.6
76	Dimethylphthalate	163	7.593	7.593	(1.059)	373541	50.0000	94.32
77	Acenaphthylene	152	7.676	7.676	(1.071)	531254	50.0000	90.03
79	2,6-Dinitrotoluene	165	7.593	7.676	(1.059)	4119	50.0000	4.549(Q)
80	3-Nitroaniline	138	7.831	7.831	(1.093)	98414	50.0000	87.94
81	Acenaphthene	153	7.904	7.904	(1.103)	360639	50.0000	94.28
82	2,4-Dinitrophenol	184	7.956	7.956	(1.110)	24494	50.0000	57.61
83	Dibenzofuran	168	8.101	8.101	(1.130)	458954	50.0000	91.48
84	4-Nitrophenol	109	8.028	8.028	(1.120)	43642	50.0000	92.02
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.139)	98845	50.0000	84.97
91	Fluorene	166	8.557	8.557	(1.194)	386317	50.0000	92.55
92	Diethylphthalate	149	8.505	8.505	(1.186)	386279	50.0000	95.02
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.195)	174966	50.0000	98.72
94	4-Nitroaniline	138	8.629	8.629	(1.204)	100072	50.0000	89.22
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	38554	50.0000	34.96
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	312231	58.6000	57.27
100	Azobenzene	77	8.774	8.774	(0.889)	444618	50.0000	60.56
101	4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	91471	50.0000	51.79
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	99600	50.0000	50.47
110	Pentachlorophenol	266	9.697	9.697	(0.982)	45311	50.0000	42.96
114	Phenanthrene	178	9.904	9.904	(1.003)	555751	50.0000	48.91
115	Anthracene	178	9.977	9.977	(1.010)	564615	50.0000	49.73
118	Carbazole	167	10.236	10.236	(1.037)	514932	50.0000	49.61
120	Di-n-Butylphthalate	149	10.940	10.940	(1.108)	611653	50.0000	49.10
126	Fluoranthene	202	11.821	11.821	(1.197)	520307	50.0000	50.74
127	Benzidine	184	12.080	12.080	(0.843)	325659	50.0000	47.50
128	Pyrene	202	12.184	12.184	(0.850)	561885	50.0000	52.37
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	305563	50.0000	49.84
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	261437	50.0000	48.93
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	453502	50.0000	49.65
139	Chrysene	228	14.371	14.371	(1.003)	461280	50.0000	49.59
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	169213	50.0000	49.27
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	361494	50.0000	49.00
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	561341	50.0000	47.71
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	442710	50.0000	60.03
145	Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	458746	50.0000	48.99
147	Benzo(e)pyrene	252	16.567	16.567	(0.990)	421973	50.0000	55.00
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	438782	50.0000	52.86
151	Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	450792	50.0000	66.93
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	387781	50.0000	51.82
153	Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	394658	50.0000	49.16

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				901456	50.0000	53.85(A)

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1220DRI.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\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0310;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	97159	0.00
2 Naphthalene-d8	440574	220287	881148	440574	0.00
3 Acenaphthene-d10	234996	117498	469992	234996	0.00
4 Phenanthrene-d10	360879	180440	721758	360879	0.00
5 Chrysene-d12	342230	171115	684460	342230	0.00
6 Perylene-d12	320443	160222	640886	320443	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.32	0.00
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

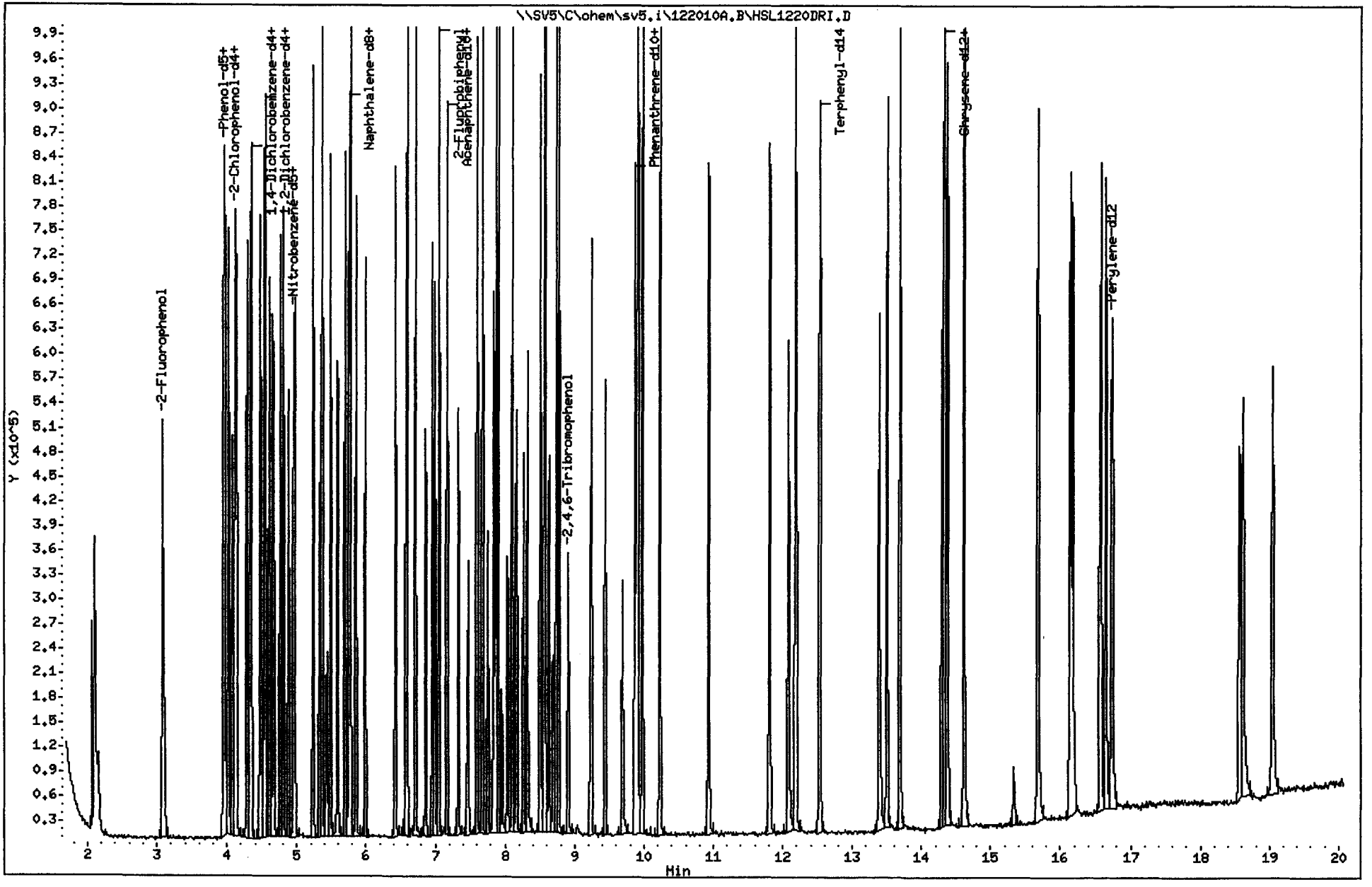
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220DRI.D
Date : 20-DEC-2010 13:17
Client ID: 8270F.M
Sample Info: HSL_050 ug/ml CS-4;1;;4;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 13:43
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:44 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 22:37 Cal File: AP90817C.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1	1,4-Dichlorobenzene-d4	152	4.329	4.329	(1.000)	130160	40.0000		
* 2	Naphthalene-d8	136	5.748	5.748	(1.000)	583273	40.0000		
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	319594	40.0000		(H)
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	492950	40.0000		
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	441551	40.0000		
* 6	Perylene-d12	264	16.733	16.733	(1.000)	408400	40.0000		
$ 7	2-Fluorophenol	112	3.085	3.085	(0.713)	398958	80.0000	79.47	
$ 8	Phenol-d5	99	3.956	3.956	(0.914)	511498	80.0000	79.97	
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.950)	435075	80.0000	79.73	
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	254296	80.0000	80.24	
$ 11	Nitrobenzene-d5	82	4.950	4.950	(0.861)	429086	80.0000	80.76	
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	789108	80.0000	79.02	
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	100801	80.0000	81.89	
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	739883	80.0000	81.53	
15	N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	291436	80.0000	79.72	(QM)
16	Pyridine	79	2.090	2.090	(0.483)	501531	80.0000	84.54	(QM)
23	Aniline	93	4.018	4.018	(0.928)	674286	80.0000	79.53	
24	Phenol	94	3.966	3.966	(0.916)	542658	80.0000	80.70	
26	Bis(2-chloroethyl)ether	93	4.080	4.080	(0.943)	447675	80.0000	80.49	
27	2-Chlorophenol	128	4.132	4.132	(0.955)	423526	80.0000	81.32	
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	448969	80.0000	80.15	
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	454786	80.0000	78.86	
30	Benzyl Alcohol	108	4.474	4.474	(1.034)	295188	80.0000	80.25	
31	1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	424905	80.0000	78.48	
32	2-Methylphenol	108	4.609	4.609	(1.065)	403481	80.0000	80.34	
33	2,2'-oxybis(1-Chloropropane)	45	4.660	4.660	(1.077)	849586	80.0000	78.82	
34	4-Methylphenol	108	4.764	4.764	(1.101)	424294	80.0000	80.70	
36	Hexachloroethane	117	4.878	4.878	(1.127)	187537	80.0000	80.99	
37	N-Nitrosodinpropylamine	70	4.805	4.805	(1.110)	331400	80.0000	77.46	
42	Nitrobenzene	77	4.971	4.971	(0.865)	452945	80.0000	80.43	
44	Isophorone	82	5.230	5.230	(0.910)	843538	80.0000	82.02	
45	2-Nitrophenol	139	5.334	5.334	(0.928)	204196	80.0000	84.32	(Q)
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	426094	80.0000	79.70	

12/20/10

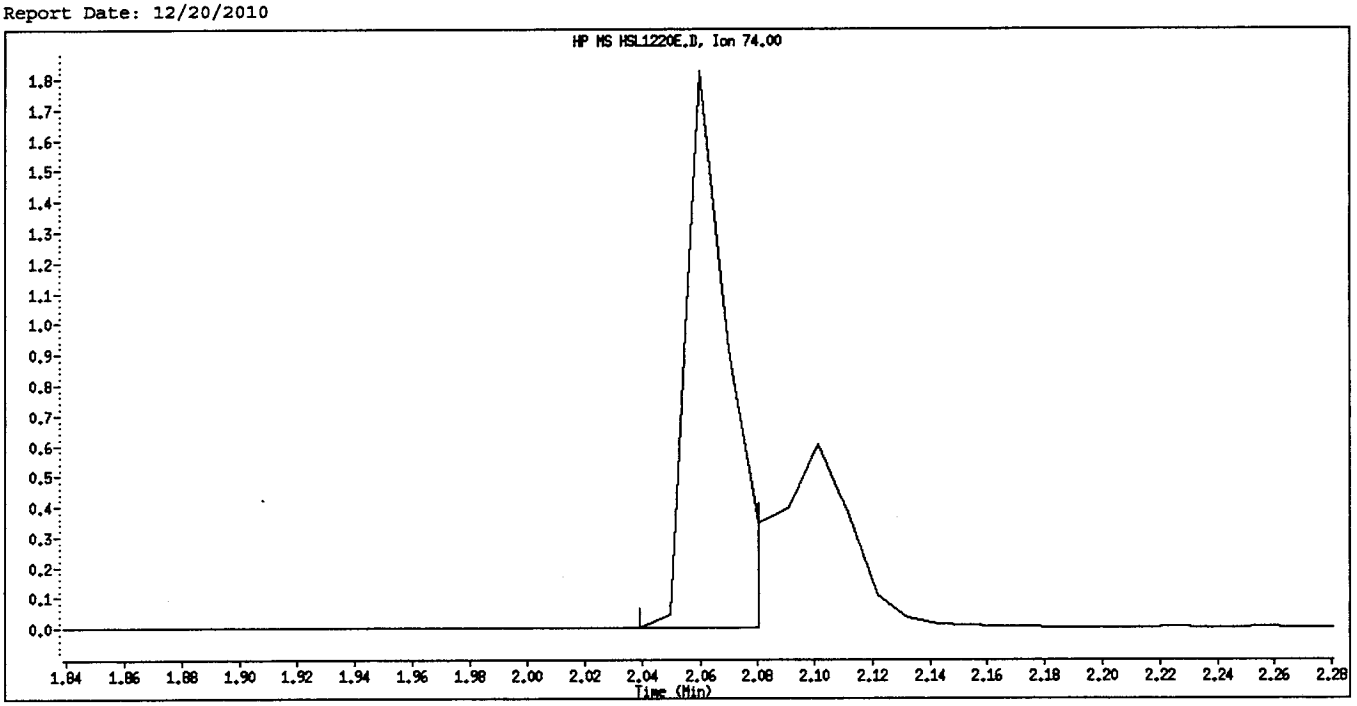
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	521856	80.0000	81.15
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	317921	80.0000	82.72
50 Benzoic Acid	122	5.458	5.458	(0.950)	179448	80.0000	90.99
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	349759	80.0000	79.56
52 Naphthalene	128	5.769	5.769	(1.004)	1289375	80.0000	80.34
54 4-Chloroaniline	127	5.852	5.852	(1.018)	515737	80.0000	80.85
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	173729	80.0000	78.56
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	362913	80.0000	81.12
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	795007	80.0000	81.60
66 Hexachlorocyclopentadiene	237	6.868	6.868	(0.873)	191774	80.0000	81.22
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	187634	80.0000	81.18
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	211170	80.0000	81.66
71 2-Chloronaphthalene	162	7.168	7.168	(0.912)	725385	80.0000	79.49
73 2-Nitroaniline	65	7.324	7.324	(0.931)	273615	80.0000	86.12
76 Dimethylphthalate	163	7.603	7.603	(0.967)	850924	80.0000	80.19
77 Acenaphthylene	152	7.676	7.676	(0.976)	1172455	80.0000	79.57
79 2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	183176	80.0000	85.02
80 3-Nitroaniline	138	7.831	7.831	(0.996)	224470	80.0000	83.70
81 Acenaphthene	153	7.904	7.904	(1.005)	787903	80.0000	79.29
82 2,4-Dinitrophenol	184	7.966	7.966	(1.013)	58760	80.0000	81.88
83 Dibenzofuran	168	8.101	8.101	(1.030)	1028775	80.0000	80.55
84 4-Nitrophenol	109	8.039	8.039	(1.022)	98750	80.0000	80.25
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	228375	80.0000	87.41
91 Fluorene	166	8.557	8.557	(1.088)	851639	80.0000	80.37
92 Diethylphthalate	149	8.505	8.505	(1.082)	841623	80.0000	79.63
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	374919	80.0000	80.29
94 4-Nitroaniline	138	8.629	8.629	(1.098)	217498	80.0000	84.86
97 4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	95473	80.0000	89.20
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	686417	93.7000	94.39
100 Azobenzene	77	8.774	8.774	(0.889)	983812	80.0000	80.32
101 4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	211633	80.0000	82.93
108 Hexachlorobenzene	284	9.438	9.438	(0.956)	222421	80.0000	77.25
110 Pentachlorophenol	266	9.697	9.697	(0.982)	107690	80.0000	83.91
114 Phenanthrene	178	9.904	9.904	(1.003)	1196261	80.0000	78.69
115 Anthracene	178	9.977	9.977	(1.010)	1206993	80.0000	79.61
118 Carbazole	167	10.236	10.236	(1.037)	1086838	80.0000	77.56
120 Di-n-Butylphthalate	149	10.930	10.930	(1.107)	1376412	80.0000	80.68
126 Fluoranthene	202	11.811	11.811	(1.196)	1128548	80.0000	79.24
127 Benzidine	184	12.080	12.080	(0.843)	713918	80.0000	83.84
128 Pyrene	202	12.184	12.184	(0.850)	1219665	80.0000	81.50
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	668547	80.0000	84.95
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	572569	80.0000	83.68
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	950752	80.0000	80.27
139 Chrysene	228	14.370	14.370	(1.003)	975505	80.0000	80.92
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	378409	80.0000	84.43
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	801605	80.0000	83.60
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	1231494	80.0000	82.48
144 Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	912350	80.0000	83.37
145 Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	929675	80.0000	75.41
147 Benzo(e)pyrene	252	16.567	16.567	(0.990)	829792	80.0000	78.51
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	903215	80.0000	80.15
151 Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	773857	80.0000	83.32(M)
152 Dibenzo(a,h)anthracene	278	18.619	18.619	(1.113)	818156	80.0000	81.82
153 Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	826353	80.0000	79.50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1842025	80.0000	

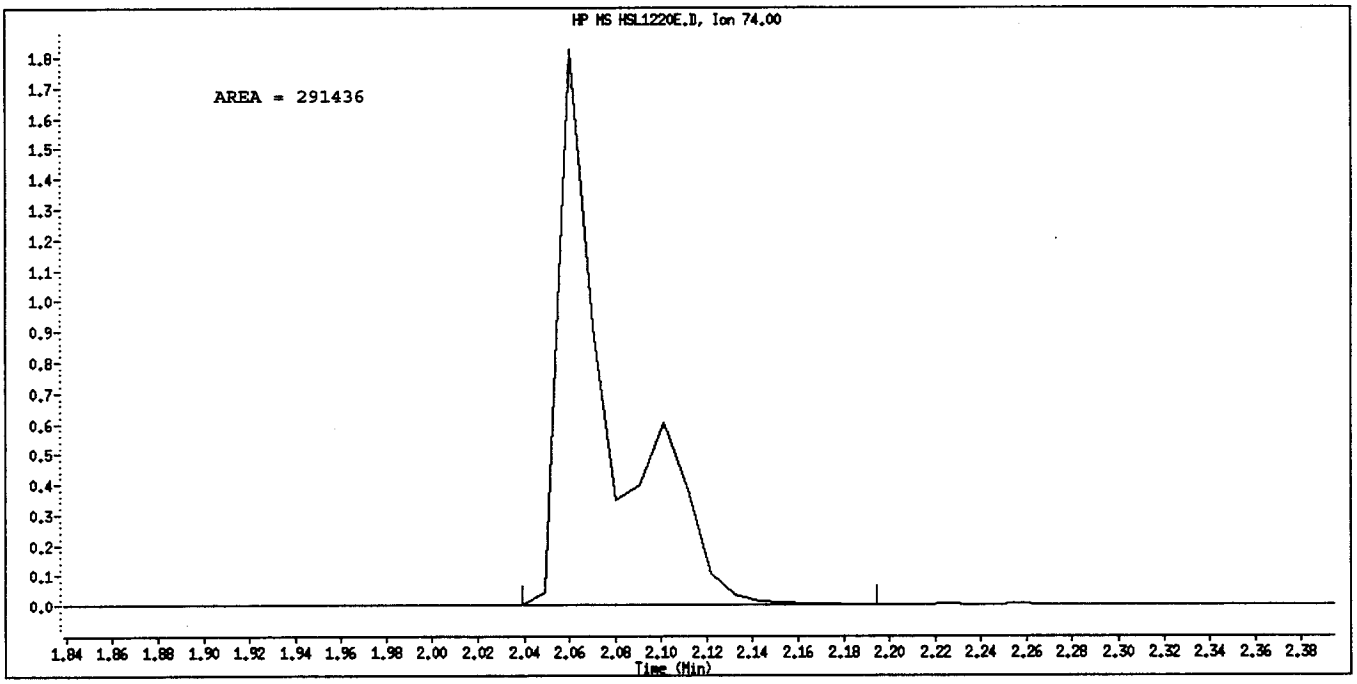
QC Flag Legend

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

Data File Name: HSL1220E.D
Inj. Date and Time: 20-DEC-2010 13:43
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 12/20/2010



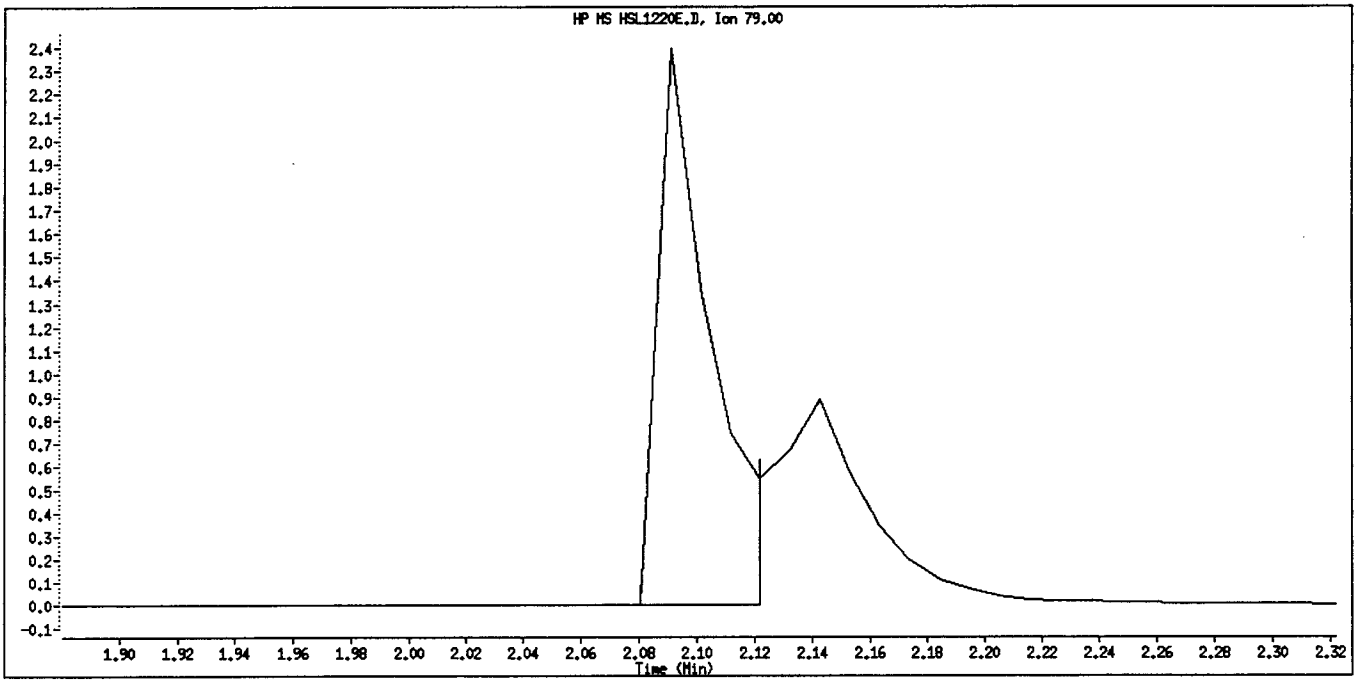
Original Integration



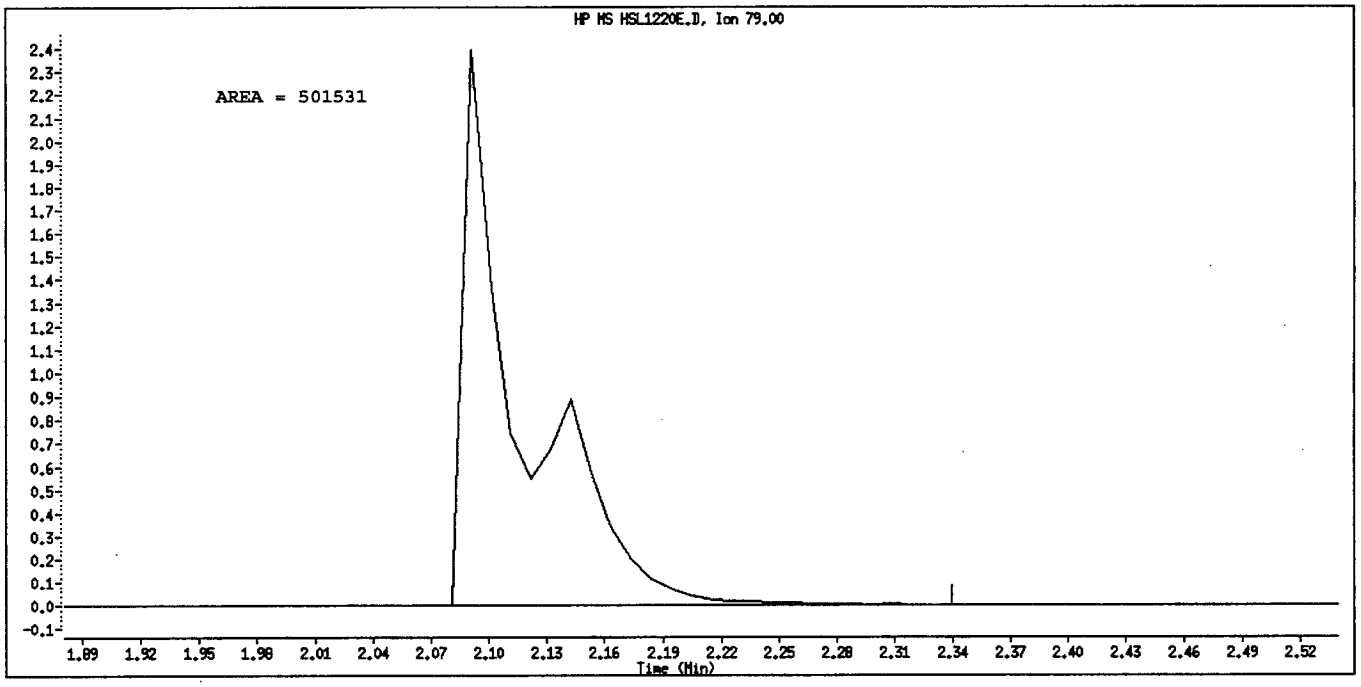
Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220E.D
Inj. Date and Time: 20-DEC-2010 13:43
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/20/2010



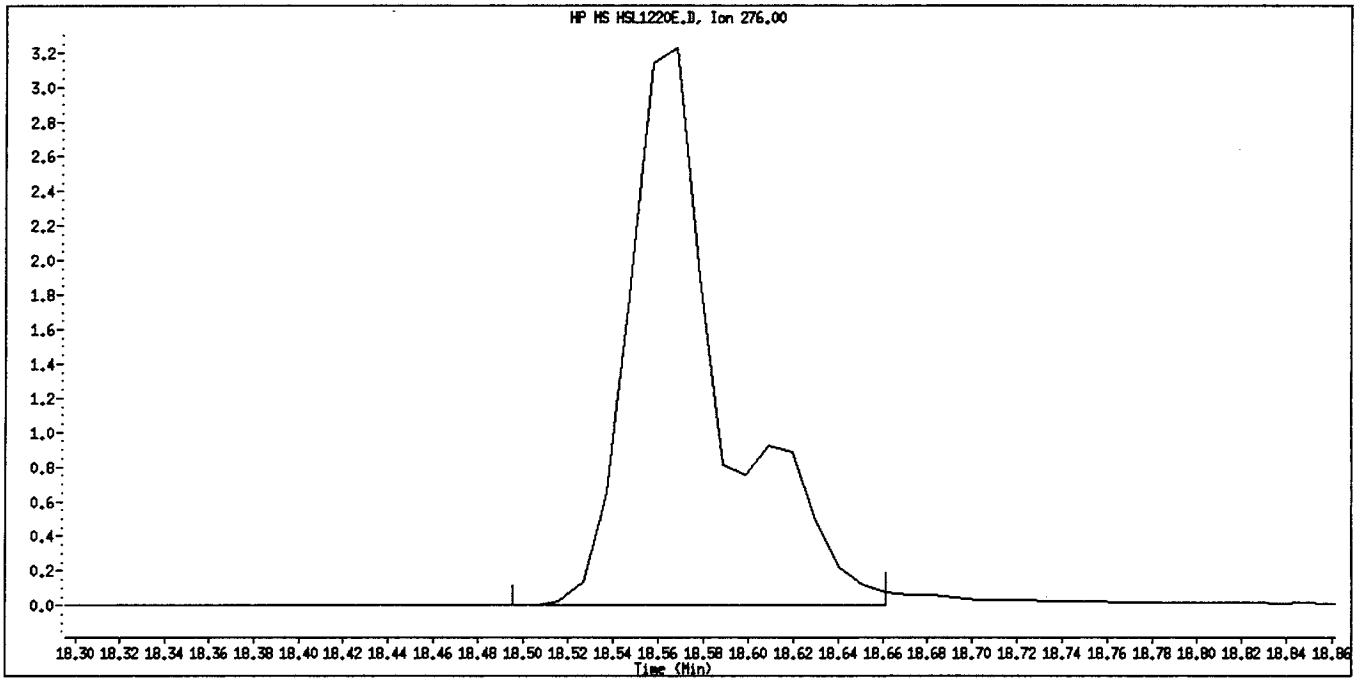
Original Integration



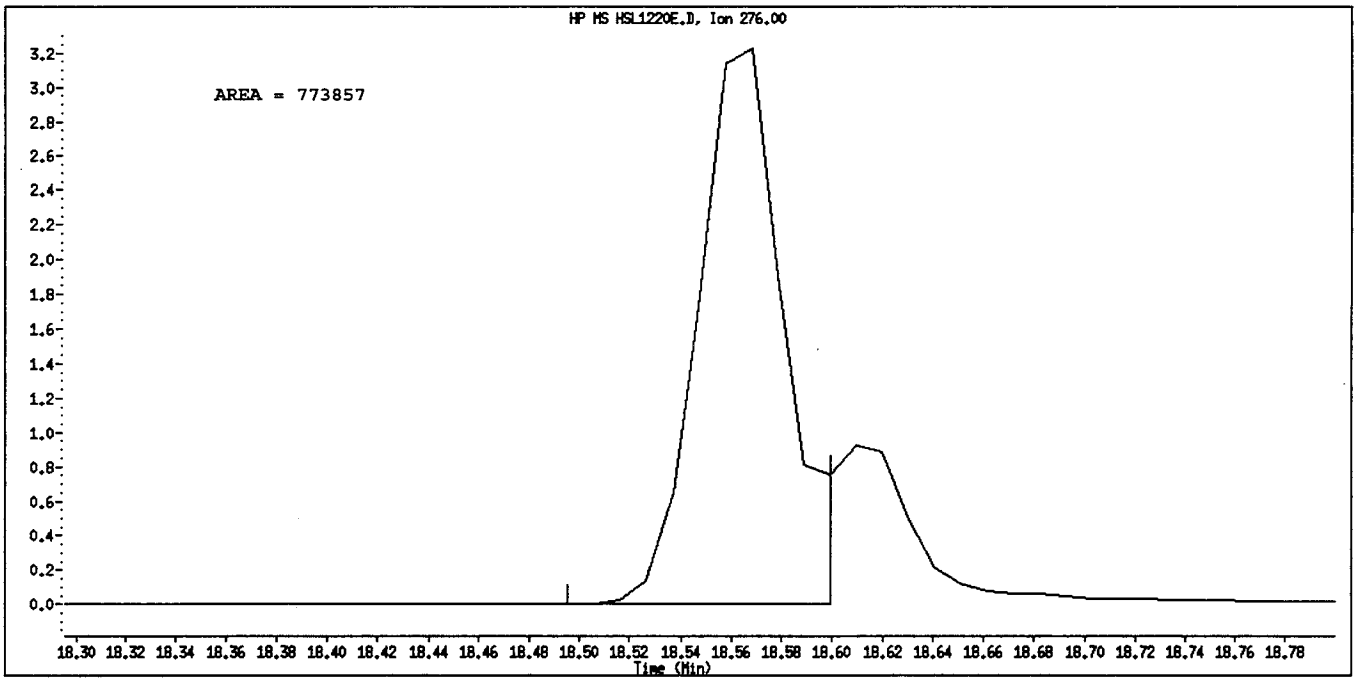
Manual Integration

Manually Integrated By: ~~semivol~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220E.D
Inj. Date and Time: 20-DEC-2010 13:43
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/20/2010



Original Integration



Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220E.D
Lab Smp Id: HSL_080 ug/ml CS-5 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 13:43
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa 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)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.329	4.318	(1.000)	130160	40.0000	
*	2 Naphthalene-d8	136	5.748	5.748	(1.000)	583273	40.0000	
*	3 Acenaphthene-d10	164	7.168	7.168	(1.000)	238260	40.0000	
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	492950	40.0000	
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	441551	40.0000	
*	6 Perylene-d12	264	16.733	16.733	(1.000)	408400	40.0000	
$	7 2-Fluorophenol	112	3.085	3.085	(0.713)	398958	80.0000	86.41
$	8 Phenol-d5	99	3.956	3.945	(0.914)	511498	80.0000	87.94
$	9 2-Chlorophenol-d4	132	4.111	4.111	(0.950)	435075	80.0000	85.50
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	254296	80.0000	79.87
$	11 Nitrobenzene-d5	82	4.950	4.951	(0.861)	429086	80.0000	86.56
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.984)	789108	80.0000	89.31
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.243)	100801	80.0000	86.64
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	739883	80.0000	85.24
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	183660	80.0000	59.90
	16 Pyridine	79	2.090	2.101	(0.483)	297298	80.0000	60.98(Q)
	23 Aniline	93	4.018	4.018	(0.928)	674286	80.0000	90.21
	24 Phenol	94	3.966	3.966	(0.916)	542658	80.0000	82.01
	26 Bis(2-chloroethyl)ether	93	4.080	4.070	(0.943)	447675	80.0000	94.14
	27 2-Chlorophenol	128	4.132	4.132	(0.955)	423526	80.0000	83.40
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	448969	80.0000	81.38
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	454786	80.0000	78.73
	30 Benzyl Alcohol	108	4.474	4.474	(1.034)	295188	80.0000	86.16
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	424905	80.0000	80.34
	32 2-Methylphenol	108	4.609	4.598	(1.065)	403481	80.0000	86.18
	33 2,2'-oxybis(1-Chloropropane)	45	4.660	4.650	(1.077)	849586	80.0000	108.5
	34 4-Methylphenol	108	4.764	4.764	(1.101)	424294	80.0000	85.72
	36 Hexachloroethane	117	4.878	4.878	(1.127)	187537	80.0000	93.20
	37 N-Nitrosodinpropylamine	70	4.805	4.805	(1.110)	331400	80.0000	97.46
	42 Nitrobenzene	77	4.971	4.971	(0.865)	452945	80.0000	92.30
	44 Isophorone	82	5.230	5.230	(0.910)	843538	80.0000	89.70
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	204196	80.0000	73.37(Q)
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	426094	80.0000	83.18

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	521856	80.0000	90.73
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	317921	80.0000	81.44
50 Benzoic Acid	122	5.458	5.438	(0.950)	179448	80.0000	66.65
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	349759	80.0000	82.13
52 Naphthalene	128	5.769	5.769	(1.004)	1289375	80.0000	80.53
54 4-Chloroaniline	127	5.852	5.852	(1.018)	515737	80.0000	82.36
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	173729	80.0000	82.98
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	362913	80.0000	83.23
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	795007	80.0000	79.47
66 Hexachlorocyclopentadiene	237	6.868	6.868	(0.958)	191774	80.0000	92.73
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.970)	187634	80.0000	86.82
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.975)	211170	80.0000	89.94
71 2-Chloronaphthalene	162	7.168	7.168	(1.000)	725385	80.0000	92.16
73 2-Nitroaniline	65	7.324	7.324	(1.022)	273615	80.0000	111.2
76 Dimethylphthalate	163	7.603	7.593	(1.061)	850924	80.0000	94.54
77 Acenaphthylene	152	7.676	7.676	(1.071)	1172455	80.0000	87.43
79 2,6-Dinitrotoluene	165	7.676	7.676	(1.071)	183176	80.0000	89.01
80 3-Nitroaniline	138	7.831	7.831	(1.093)	224470	80.0000	88.26
81 Acenaphthene	153	7.904	7.904	(1.103)	787903	80.0000	90.63
82 2,4-Dinitrophenol	184	7.966	7.956	(1.111)	58760	80.0000	60.81
83 Dibenzofuran	168	8.101	8.101	(1.130)	1028775	80.0000	90.22
84 4-Nitrophenol	109	8.039	8.028	(1.121)	98750	80.0000	91.62
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.139)	228375	80.0000	86.38
91 Fluorene	166	8.557	8.557	(1.194)	851639	80.0000	89.77
92 Diethylphthalate	149	8.505	8.505	(1.186)	841623	80.0000	91.09
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.195)	374919	80.0000	93.07
94 4-Nitroaniline	138	8.629	8.629	(1.204)	217498	80.0000	85.32
97 4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	95473	80.0000	63.38
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	686417	93.7000	92.17
100 Azobenzene	77	8.774	8.774	(0.889)	983812	80.0000	98.10
101 4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	211633	80.0000	87.72
108 Hexachlorobenzene	284	9.438	9.438	(0.956)	222421	80.0000	82.51
110 Pentachlorophenol	266	9.697	9.697	(0.982)	107690	80.0000	74.76
114 Phenanthrene	178	9.904	9.904	(1.003)	1196261	80.0000	77.08
115 Anthracene	178	9.977	9.977	(1.010)	1206993	80.0000	77.83
118 Carbazole	167	10.236	10.236	(1.037)	1086838	80.0000	76.66
120 Di-n-Butylphthalate	149	10.930	10.940	(1.107)	1376412	80.0000	80.89
126 Fluoranthene	202	11.811	11.821	(1.196)	1128548	80.0000	80.57
127 Benzidine	184	12.080	12.080	(0.843)	713918	80.0000	80.71
128 Pyrene	202	12.184	12.184	(0.850)	1219665	80.0000	88.10
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	668547	80.0000	84.52
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	572569	80.0000	83.05
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	950752	80.0000	80.67
139 Chrysene	228	14.370	14.371	(1.003)	975505	80.0000	81.28
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	378409	80.0000	85.40
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	801605	80.0000	84.22
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	1231494	80.0000	81.12
144 Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	912350	80.0000	97.06
145 Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	929675	80.0000	77.89
147 Benzo(e)pyrene	252	16.567	16.567	(0.990)	829792	80.0000	84.87
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	903215	80.0000	85.37
151 Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	940754	80.0000	109.6
152 Dibenzo(a,h)anthracene	278	18.619	18.609	(1.113)	818156	80.0000	85.78
153 Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	826353	80.0000	80.76

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1842025	80.0000	86.34 (A)

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1220E.D
Lab Smp Id: HSL_080 ug/ml CS-5
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0311;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	130160	33.97
2 Naphthalene-d8	440574	220287	881148	583273	32.39
3 Acenaphthene-d10	234996	117498	469992	319594	36.00
4 Phenanthrene-d10	360879	180440	721758	492950	36.60
5 Chrysene-d12	342230	171115	684460	441551	29.02
6 Perylene-d12	320443	160222	640886	408400	27.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.33	0.24
2 Naphthalene-d8	5.75	5.25	6.25	5.75	-0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	-0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	-0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	-0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	-0.00

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

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220E.D

Page 5

Date : 20-DEC-2010 13:43

Client ID: 8270F,M

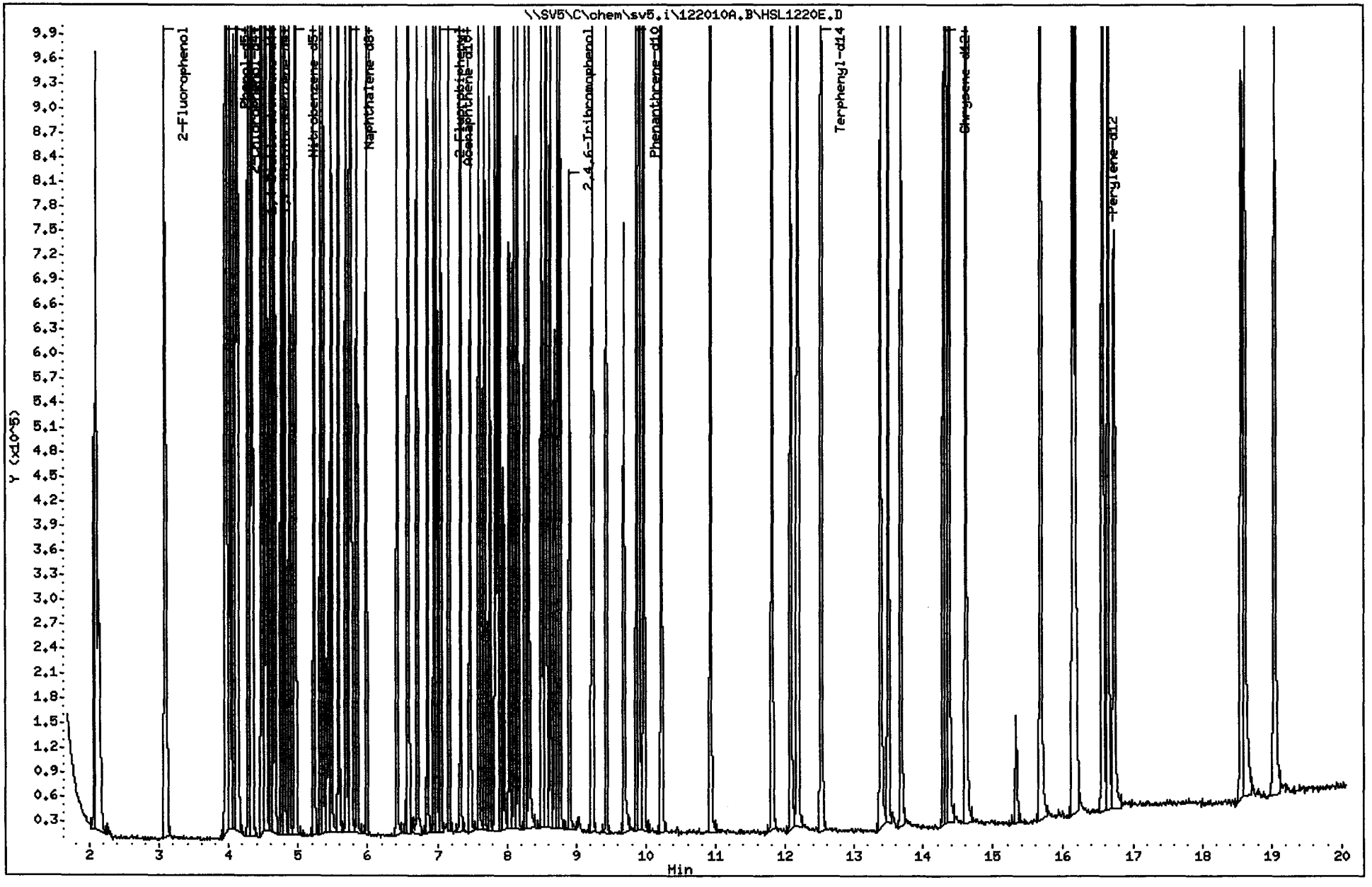
Instrument: sv5.i

Sample Info: HSL_080 ug/ml CS-5;1;;5;;;;4

Operator: KT

Column phase:

Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 14:08
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:44 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:03 Cal File: AP90817E.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	4.329	4.329	(1.000)	113157	40.0000		
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	508373	40.0000		
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	276836	40.0000		(H)
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	427945	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	382102	40.0000		
*	6 Perylene-d12	264	16.733	16.733	(1.000)	337864	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.713)	543227	120.000	124.5	
$	8 Phenol-d5	99	3.956	3.956	(0.914)	679848	120.000	122.3	
$	9 2-Chlorophenol-d4	132	4.122	4.122	(0.952)	593054	120.000	125.0	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	338273	120.000	122.8	
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	582901	120.000	125.9	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	1062472	120.000	122.8	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	140595	120.000	131.9	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	1007680	120.000	128.3	
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	386076	120.000	121.5	(M)
	16 Pyridine	79	2.132	2.132	(0.493)	660994	120.000	128.2	(Q)
	23 Aniline	93	4.018	4.018	(0.928)	905963	120.000	122.9	
	24 Phenol	94	3.966	3.966	(0.916)	725848	120.000	124.2	
	26 Bis(2-chloroethyl)ether	93	4.080	4.080	(0.943)	582890	120.000	120.5	
	27 2-Chlorophenol	128	4.132	4.132	(0.955)	562013	120.000	124.1	
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	589660	120.000	121.1	
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	614880	120.000	122.6	
	30 Benzyl Alcohol	108	4.474	4.474	(1.034)	397309	120.000	124.2	
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	571845	120.000	121.5	
	32 2-Methylphenol	108	4.609	4.609	(1.065)	536781	120.000	122.9	
	33 2,2'-oxybis(1-Chloropropane)	45	4.660	4.660	(1.077)	1148078	120.000	122.5	
	34 4-Methylphenol	108	4.764	4.764	(1.101)	571774	120.000	125.1	
	36 Hexachloroethane	117	4.878	4.878	(1.127)	249681	120.000	124.0	
	37 N-Nitrosodinpropylamine	70	4.806	4.806	(1.110)	453465	120.000	121.9	
	42 Nitrobenzene	77	4.971	4.971	(0.865)	595448	120.000	121.3	
	44 Isophorone	82	5.230	5.230	(0.910)	1120582	120.000	125.0	
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	281062	120.000	133.2	
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	585146	120.000	125.6	

12/20/10

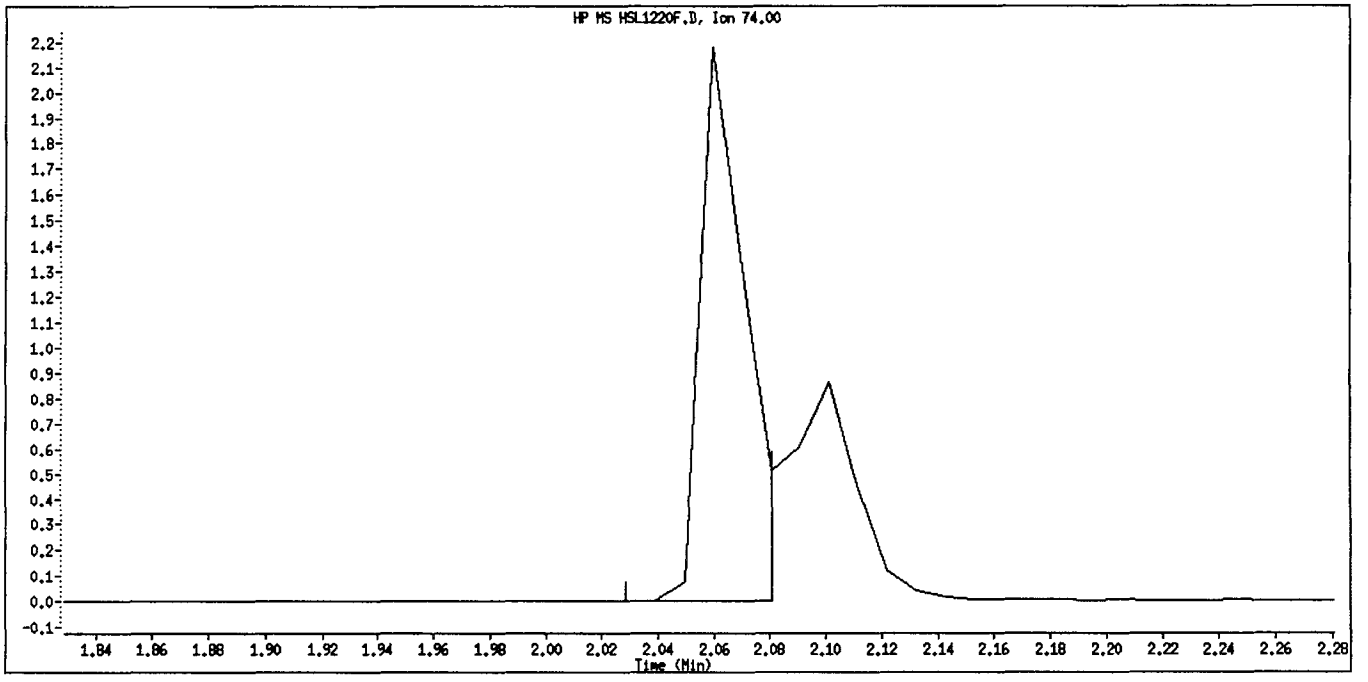
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	690566	120.000	123.2
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	418084	120.000	124.8
50	Benzoic Acid	122	5.469	5.469	(0.951)	268309	120.000	156.1
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	476842	120.000	124.4
52	Naphthalene	128	5.769	5.769	(1.004)	1691689	120.000	120.9
54	4-Chloroaniline	127	5.852	5.852	(1.018)	687233	120.000	123.6
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	237458	120.000	123.2
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	492536	120.000	126.3
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	1039076	120.000	122.4
66	Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	260086	120.000	127.2
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	258310	120.000	129.0
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	291069	120.000	129.9
71	2-Chloronaphthalene	162	7.168	7.168	(0.912)	971000	120.000	122.8
73	2-Nitroaniline	65	7.324	7.324	(0.931)	369640	120.000	134.3
76	Dimethylphthalate	163	7.604	7.604	(0.967)	1129615	120.000	122.9
77	Acenaphthylene	152	7.676	7.676	(0.976)	1570579	120.000	123.0
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	246789	120.000	132.2
80	3-Nitroaniline	138	7.832	7.832	(0.996)	302276	120.000	130.1
81	Acenaphthene	153	7.904	7.904	(1.005)	1042721	120.000	121.1
82	2,4-Dinitrophenol	184	7.966	7.966	(1.013)	93720	120.000	150.8
83	Dibenzofuran	168	8.101	8.101	(1.030)	1361235	120.000	123.0
84	4-Nitrophenol	109	8.039	8.039	(1.022)	151039	120.000	141.7
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	319609	120.000	141.2
91	Fluorene	166	8.557	8.557	(1.088)	1134066	120.000	123.5
92	Diethylphthalate	149	8.505	8.505	(1.082)	1134673	120.000	123.9
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	493582	120.000	122.0
94	4-Nitroaniline	138	8.629	8.629	(1.098)	301090	120.000	135.6
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	143747	120.000	154.7
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	913533	141.000	144.7
100	Azobenzene	77	8.775	8.775	(0.889)	1328959	120.000	125.0
101	4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	280520	120.000	126.6
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	297339	120.000	119.0
110	Pentachlorophenol	266	9.697	9.697	(0.982)	154408	120.000	138.6
114	Phenanthrene	178	9.904	9.904	(1.003)	1629107	120.000	123.4
115	Anthracene	178	9.977	9.977	(1.010)	1652769	120.000	125.6
118	Carbazole	167	10.236	10.236	(1.037)	1480557	120.000	121.7
120	Di-n-Butylphthalate	149	10.930	10.930	(1.107)	1939640	120.000	131.0
126	Fluoranthene	202	11.821	11.821	(1.197)	1547345	120.000	125.1
127	Benzidine	184	12.080	12.080	(0.843)	1003914	120.000	136.2
128	Pyrene	202	12.184	12.184	(0.850)	1663637	120.000	128.5
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	891746	120.000	130.9
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	775463	120.000	131.0
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	1284686	120.000	125.3
139	Chrysene	228	14.371	14.371	(1.003)	1265059	120.000	121.3
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	480138	120.000	123.8
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	1079412	120.000	130.1
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	1696595	120.000	131.3
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	1185634	120.000	131.0
145	Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	1233094	120.000	120.9
147	Benzo(e)pyrene	252	16.568	16.568	(0.990)	1098122	120.000	125.6
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	1170199	120.000	125.5
151	Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	980140	120.000	127.6(M)
152	Dibenzo(a,h)anthracene	278	18.619	18.619	(1.113)	1050402	120.000	127.0
153	Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	1042497	120.000	121.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2418728	120.000	

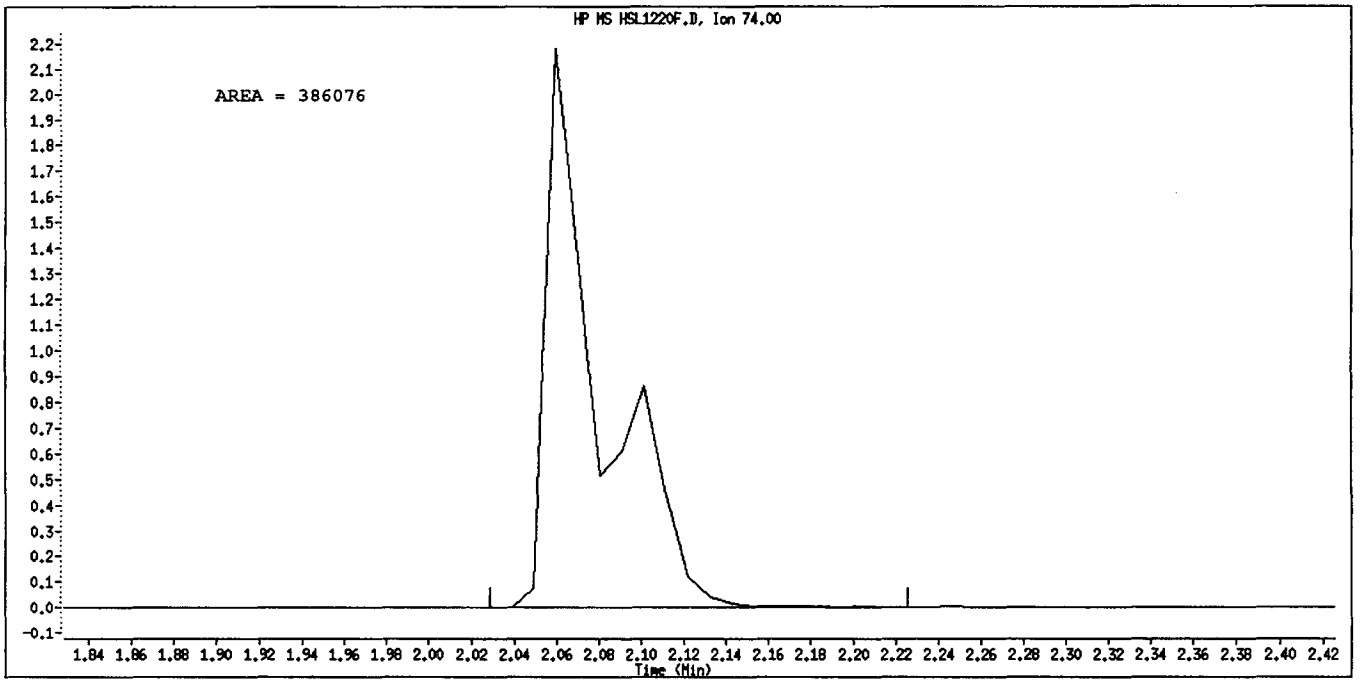
QC Flag Legend

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

Data File Name: HSL1220F.D
Inj. Date and Time: 20-DEC-2010 14:08
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 12/20/2010



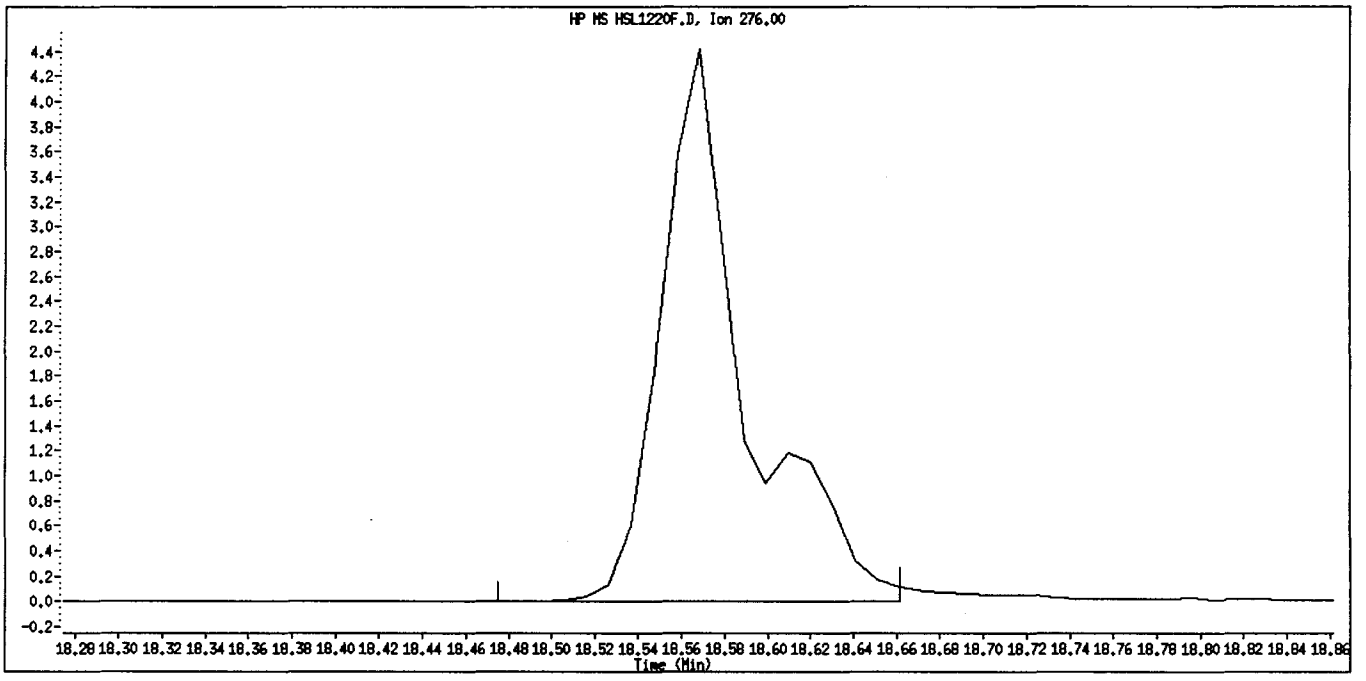
Original Integration



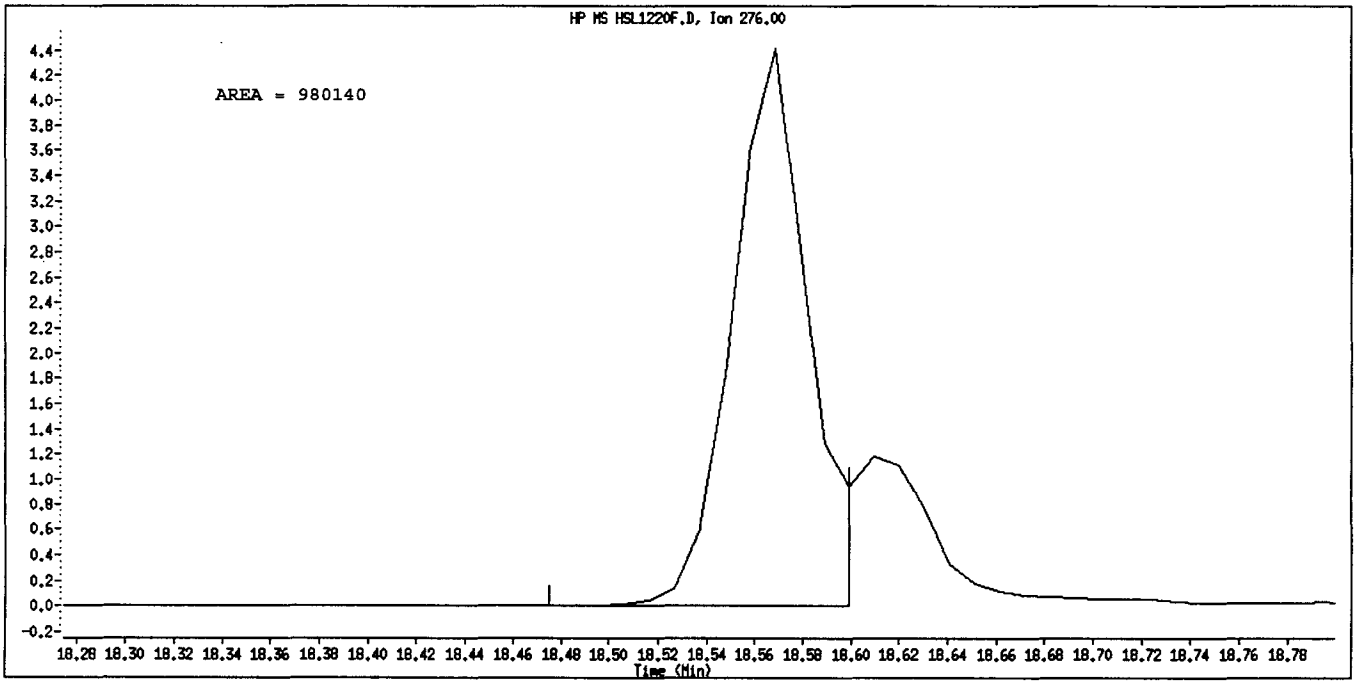
Manual Integration

Manually Integrated By: ~~demivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220F.D
Inj. Date and Time: 20-DEC-2010 14:08
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 12/20/2010



Original Integration



Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220F.D
Lab Smp Id: HSL_120 ug/ml CS-6 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 14:08
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa 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)	AMOUNTS ON-COL (NG)	
*	1 1,4-Dichlorobenzene-d4	152	4.329	4.318	(1.000)	113157	40.0000		(Q)
*	2 Naphthalene-d8	136	5.749	5.748	(1.000)	508373	40.0000		
*	3 Acenaphthene-d10	164	7.168	7.168	(1.000)	308389	40.0000		
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	427945	40.0000		
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	382102	40.0000		
*	6 Perylene-d12	264	16.733	16.733	(1.000)	337864	40.0000		
$	7 2-Fluorophenol	112	3.085	3.085	(0.713)	543227	120.000	135.3	
$	8 Phenol-d5	99	3.956	3.945	(0.914)	679848	120.000	134.4	
$	9 2-Chlorophenol-d4	132	4.122	4.111	(0.952)	593054	120.000	134.1	
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	338273	120.000	122.2	
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	582901	120.000	134.9	
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.984)	1062472	120.000	92.91	
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.243)	140595	120.000	93.37	
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	1007680	120.000	134.2	
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	238114	120.000	89.33	
	16 Pyridine	79	2.132	2.101	(0.493)	660994	120.000	155.9	(Q)
	23 Aniline	93	4.018	4.018	(0.928)	905963	120.000	139.4	
	24 Phenol	94	3.966	3.966	(0.916)	725848	120.000	126.2	
	26 Bis(2-chloroethyl)ether	93	4.080	4.070	(0.943)	582890	120.000	141.0	
	27 2-Chlorophenol	128	4.132	4.132	(0.955)	562013	120.000	127.3	
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	589660	120.000	122.9	
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	614880	120.000	122.4	
	30 Benzyl Alcohol	108	4.474	4.474	(1.034)	397309	120.000	133.4	
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	571845	120.000	124.4	
	32 2-Methylphenol	108	4.609	4.598	(1.065)	536781	120.000	131.9	
	33 2,2'-oxybis(1-Chloropropane)	45	4.660	4.650	(1.077)	1148078	120.000	168.6	(A)
	34 4-Methylphenol	108	4.764	4.764	(1.101)	571774	120.000	132.9	
	36 Hexachloroethane	117	4.878	4.878	(1.127)	249681	120.000	142.7	
	37 N-Nitrosodinpropylamine	70	4.806	4.805	(1.110)	453465	120.000	153.4	
	42 Nitrobenzene	77	4.971	4.971	(0.865)	595448	120.000	139.2	
	44 Isophorone	82	5.230	5.230	(0.910)	1120582	120.000	136.7	
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	281062	120.000	115.9	(Q)
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	585146	120.000	131.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	690566	120.000	137.8
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	418084	120.000	122.9
50	Benzoic Acid	122	5.469	5.438	(0.951)	268309	120.000	114.3
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	476842	120.000	128.5
52	Naphthalene	128	5.769	5.769	(1.004)	1691689	120.000	121.2
54	4-Chloroaniline	127	5.852	5.852	(1.018)	687233	120.000	125.9
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	237458	120.000	130.1
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	492536	120.000	129.6
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	1039076	120.000	119.2
66	Hexachlorocyclopentadiene	237	6.857	6.868	(0.957)	260086	120.000	97.16
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.970)	258310	120.000	92.34
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.975)	291069	120.000	95.78
71	2-Chloronaphthalene	162	7.168	7.168	(1.000)	971000	120.000	95.32
73	2-Nitroaniline	65	7.324	7.324	(1.022)	369640	120.000	116.0
76	Dimethylphthalate	163	7.604	7.593	(1.061)	1129615	120.000	96.96
77	Acenaphthylene	152	7.676	7.676	(1.071)	1570579	120.000	90.48
79	2,6-Dinitrotoluene	165	7.676	7.676	(1.071)	246789	120.000	92.65
80	3-Nitroaniline	138	7.832	7.831	(1.093)	302276	120.000	91.82
81	Acenaphthene	153	7.904	7.904	(1.103)	1042721	120.000	92.66
82	2,4-Dinitrophenol	184	7.966	7.956	(1.111)	93720	120.000	74.93
83	Dibenzofuran	168	8.101	8.101	(1.130)	1361235	120.000	92.23
84	4-Nitrophenol	109	8.039	8.028	(1.121)	151039	120.000	108.3(q)
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.139)	319609	120.000	93.40
91	Fluorene	166	8.557	8.557	(1.194)	1134066	120.000	92.36
92	Diethylphthalate	149	8.505	8.505	(1.186)	1134673	120.000	94.88
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.195)	493582	120.000	94.67
94	4-Nitroaniline	138	8.629	8.629	(1.204)	301090	120.000	91.26
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	143747	120.000	109.9
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	913533	141.000	141.3
100	Azobenzene	77	8.775	8.774	(0.889)	1328959	120.000	152.6
101	4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	280520	120.000	133.9
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	297339	120.000	127.0
110	Pentachlorophenol	266	9.697	9.697	(0.982)	154408	120.000	123.5
114	Phenanthrene	178	9.904	9.904	(1.003)	1629107	120.000	120.9
115	Anthracene	178	9.977	9.977	(1.010)	1652769	120.000	122.8
118	Carbazole	167	10.236	10.236	(1.037)	1480557	120.000	120.3
120	Di-n-Butylphthalate	149	10.930	10.940	(1.107)	1939640	120.000	131.3
126	Fluoranthene	202	11.821	11.821	(1.197)	1547345	120.000	127.2
127	Benzidine	184	12.080	12.080	(0.843)	1003914	120.000	131.1
128	Pyrene	202	12.184	12.184	(0.850)	1663637	120.000	138.9
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	891746	120.000	130.3
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	775463	120.000	130.0
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	1284686	120.000	126.0
139	Chrysene	228	14.371	14.371	(1.003)	1265059	120.000	121.8
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	480138	120.000	125.2
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	1079412	120.000	131.1
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	1696595	120.000	129.2
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	1185634	120.000	152.5
145	Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	1233094	120.000	124.9
147	Benzo(e)pyrene	252	16.568	16.567	(0.990)	1098122	120.000	135.8
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	1170199	120.000	133.7
151	Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	1204055	120.000	169.6(A)
152	Dibenzo(a,h)anthracene	278	18.619	18.609	(1.113)	1050402	120.000	133.1
153	Benzo(g,h,i)perylene	276	19.044	19.044	(1.138)	1042497	120.000	123.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				2418728	120.000	137.0(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: HSL1220F.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\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0312;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	113157	16.47
2 Naphthalene-d8	440574	220287	881148	508373	15.39
3 Acenaphthene-d10	234996	117498	469992	276836	17.80
4 Phenanthrene-d10	360879	180440	721758	427945	18.58
5 Chrysene-d12	342230	171115	684460	382102	11.65
6 Perylene-d12	320443	160222	640886	337864	5.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.33	0.24
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

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

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220F.D

Page 5

Date : 20-DEC-2010 14:08

Client ID: 8270F.H

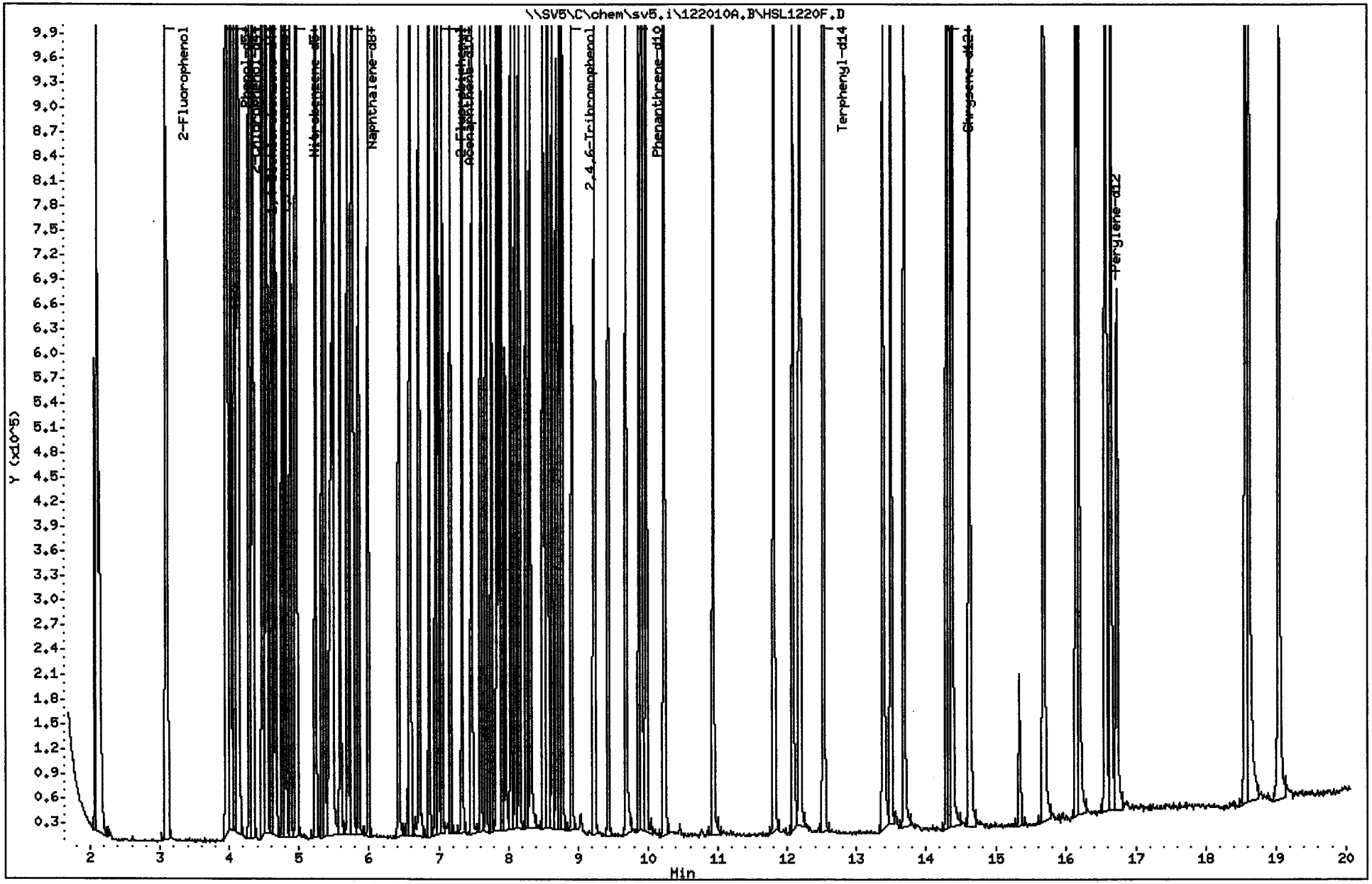
Instrument: sv5.i

Sample Info: HSL_120 ug/ml CS-6;1;;6;;;;;4

Operator: KT

Column phase:

Column diameter: 2.00



TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 14:34
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:44 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 23:29 Cal File: AP90817F.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	4.329	4.329	(1.000)	141441	40.0000		(Q)
* 2 Naphthalene-d8	136	5.749	5.749	(1.000)	656599	40.0000		
* 3 Acenaphthene-d10	164	7.863	7.863	(1.000)	349825	40.0000		(H)
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	540265	40.0000		
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	471253	40.0000		
* 6 Perylene-d12	264	16.733	16.733	(1.000)	429392	40.0000		
$ 7 2-Fluorophenol	112	3.085	3.085	(0.713)	900110	160.000	165.0	(A)
$ 8 Phenol-d5	99	3.956	3.956	(0.914)	1135680	160.000	163.4	(A)
$ 9 2-Chlorophenol-d4	132	4.122	4.122	(0.952)	980755	160.000	165.4	(A)
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	559099	160.000	162.3	(A)
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	980157	160.000	163.9	(A)
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	1755064	160.000	160.6	(A)
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	240902	160.000	178.8	(A)
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	1672161	160.000	172.6	(A)
15 N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	651947	160.000	164.1	(AM)
16 Pyridine	79	2.090	2.090	(0.483)	1003194	160.000	155.6	(QM)
23 Aniline	93	4.018	4.018	(0.928)	1509346	160.000	163.8	(A)
24 Phenol	94	3.966	3.966	(0.916)	1203412	160.000	164.7	(A)
26 Bis(2-chloroethyl)ether	93	4.080	4.080	(0.943)	989338	160.000	163.7	(A)
27 2-Chlorophenol	128	4.132	4.132	(0.955)	937064	160.000	165.6	(A)
28 1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	1000425	160.000	164.4	(A)
29 1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	1008842	160.000	161.0	(A)
30 Benzyl Alcohol	108	4.484	4.484	(1.036)	671496	160.000	168.0	(A)
31 1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	949871	160.000	161.4	(A)
32 2-Methylphenol	108	4.609	4.609	(1.065)	905629	160.000	165.9	(A)
33 2,2'-oxybis(1-Chloropropane)	45	4.660	4.660	(1.077)	1902183	160.000	162.4	(A)
34 4-Methylphenol	108	4.764	4.764	(1.101)	954381	160.000	167.0	(A)
36 Hexachloroethane	117	4.878	4.878	(1.127)	407840	160.000	162.1	(A)
37 N-Nitrosodinpropylamine	70	4.816	4.816	(1.113)	753300	160.000	162.0	(A)
42 Nitrobenzene	77	4.971	4.971	(0.865)	1024666	160.000	161.6	(A)
44 Isophorone	82	5.230	5.230	(0.910)	1883061	160.000	162.6	(A)
45 2-Nitrophenol	139	5.334	5.334	(0.928)	493086	160.000	180.9	(A)
46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	981243	160.000	163.0	(A)

12/20/

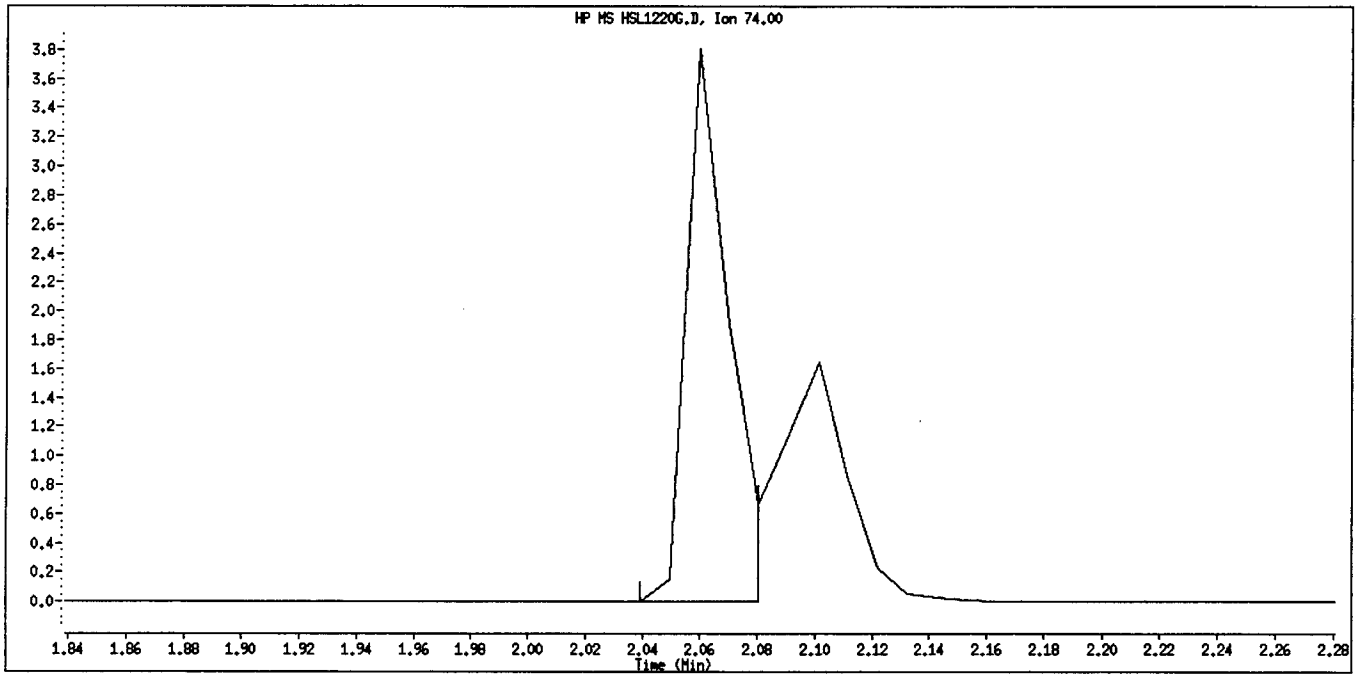
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.490	5.490	(0.955)	1150738	160.000	159.0
49	2,4-Dichlorophenol	162	5.593	5.593	(0.973)	713136	160.000	164.8(A)
50	Benzoic Acid	122	5.490	5.490	(0.955)	487014	160.000	219.4(A)
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	776451	160.000	156.9
52	Naphthalene	128	5.769	5.769	(1.004)	2870565	160.000	158.9
54	4-Chloroaniline	127	5.863	5.863	(1.020)	1159403	160.000	161.4(A)
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	392110	160.000	157.5
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	850096	160.000	168.8(A)
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	1780212	160.000	162.3(A)
66	Hexachlorocyclopentadiene	237	6.868	6.868	(0.873)	445329	160.000	172.3(A)
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	434498	160.000	171.7(A)
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	486079	160.000	171.7(A)
71	2-Chloronaphthalene	162	7.168	7.168	(0.912)	1620276	160.000	162.2(A)
73	2-Nitroaniline	65	7.334	7.334	(0.933)	644923	160.000	185.4(A)
76	Dimethylphthalate	163	7.604	7.604	(0.967)	1894586	160.000	163.1(A)
77	Acenaphthylene	152	7.676	7.676	(0.976)	2620933	160.000	162.5(A)
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	419494	160.000	177.9(A)
80	3-Nitroaniline	138	7.842	7.842	(0.997)	525591	160.000	179.0(A)
81	Acenaphthene	153	7.904	7.904	(1.005)	1772486	160.000	163.0(A)
82	2,4-Dinitrophenol	184	7.966	7.966	(1.013)	174627	160.000	222.3(A)
83	Dibenzofuran	168	8.111	8.111	(1.032)	2259712	160.000	161.6(A)
84	4-Nitrophenol	109	8.039	8.039	(1.022)	247363	160.000	183.6(A)
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	555961	160.000	194.4(A)
91	Fluorene	166	8.557	8.557	(1.088)	1880753	160.000	162.1(A)
92	Diethylphthalate	149	8.505	8.505	(1.082)	1894784	160.000	163.8(A)
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	822529	160.000	160.9(A)
94	4-Nitroaniline	138	8.640	8.640	(1.099)	479411	160.000	170.9(A)
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	258093	160.000	220.0(A)
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	1559573	187.000	195.7(A)
100	Azobenzene	77	8.775	8.775	(0.889)	2190587	160.000	163.2(A)
101	4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	479894	160.000	171.6(A)
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	504334	160.000	159.8
110	Pentachlorophenol	266	9.697	9.697	(0.982)	263293	160.000	187.2(A)
114	Phenanthrene	178	9.915	9.915	(1.004)	2695573	160.000	161.8(A)
115	Anthracene	178	9.977	9.977	(1.010)	2789696	160.000	167.9(A)
118	Carbazole	167	10.236	10.236	(1.037)	2516590	160.000	163.8(A)
120	Di-n-Butylphthalate	149	10.940	10.940	(1.108)	3257004	160.000	174.2(A)
126	Fluoranthene	202	11.821	11.821	(1.197)	2585420	160.000	165.6(A)
127	Benzidine	184	12.080	12.080	(0.843)	1623825	160.000	178.7(A)
128	Pyrene	202	12.194	12.194	(0.851)	2760746	160.000	172.8(A)
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	1497863	160.000	178.3(A)
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	1280571	160.000	175.4(A)
138	Benzo(a)Anthracene	228	14.308	14.308	(0.999)	2078003	160.000	164.4(A)
139	Chrysene	228	14.381	14.381	(1.004)	2052766	160.000	159.5
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	830486	160.000	173.6(A)
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	1778709	160.000	173.8(A)
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	2895269	160.000	181.7(A)
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	1906877	160.000	165.7(A)
145	Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	2166150	160.000	167.1(A)
147	Benzo(e)pyrene	252	16.568	16.568	(0.990)	1829534	160.000	164.6(A)
148	Benzo(a)pyrene	252	16.651	16.651	(0.995)	1996081	160.000	168.5(A)
151	Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	1590473	160.000	162.9(A)
152	Dibenzo(a,h)anthracene	278	18.619	18.619	(1.113)	1774226	160.000	168.8(A)
153	Benzo(g,h,i)perylene	276	19.055	19.055	(1.139)	1762191	160.000	161.2(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				4073027	160.000	

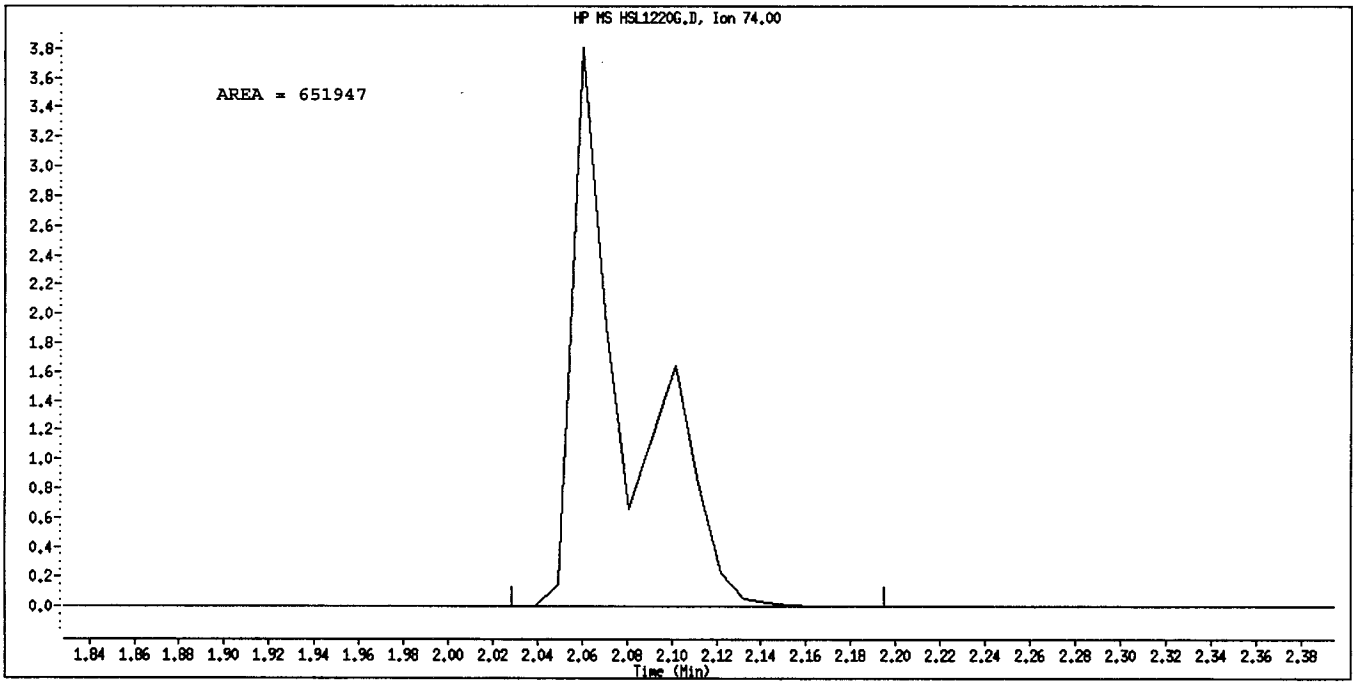
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File Name: HSL1220G.D
Inj. Date and Time: 20-DEC-2010 14:34
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: N-Nitrosodimethylamine
CAS #: 62-75-9
Report Date: 12/20/2010



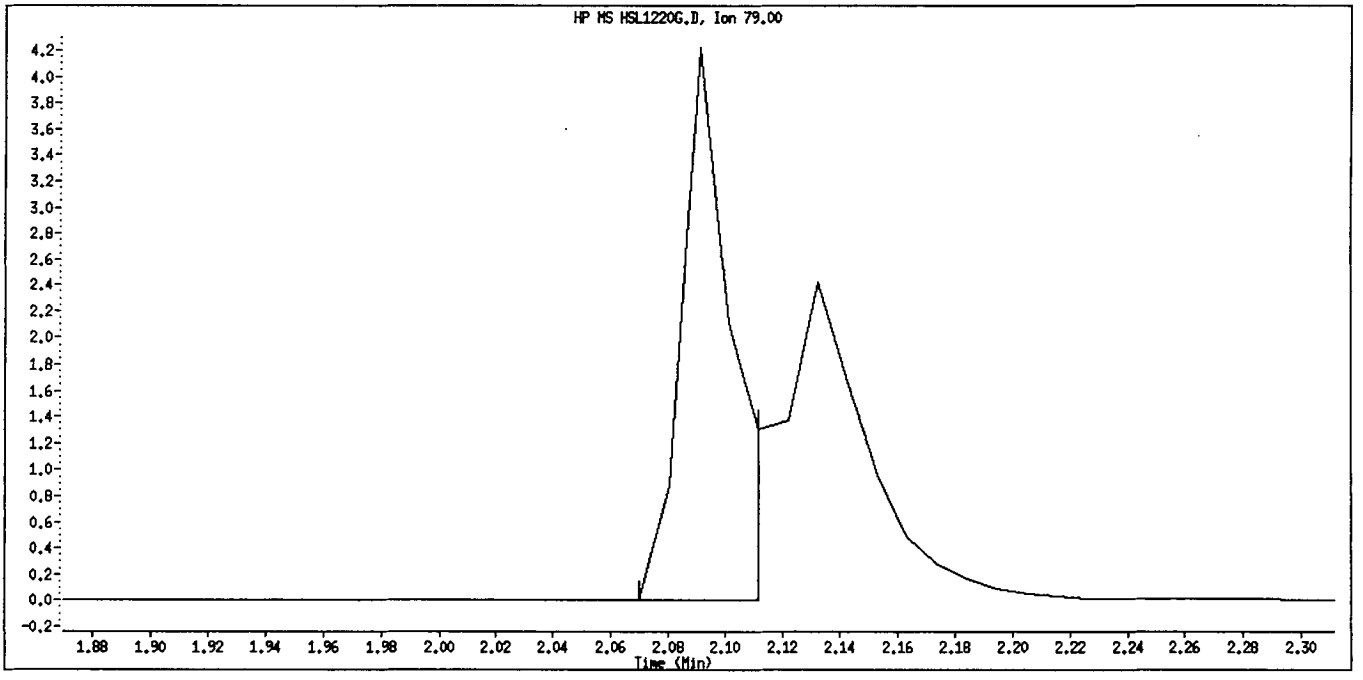
Original Integration



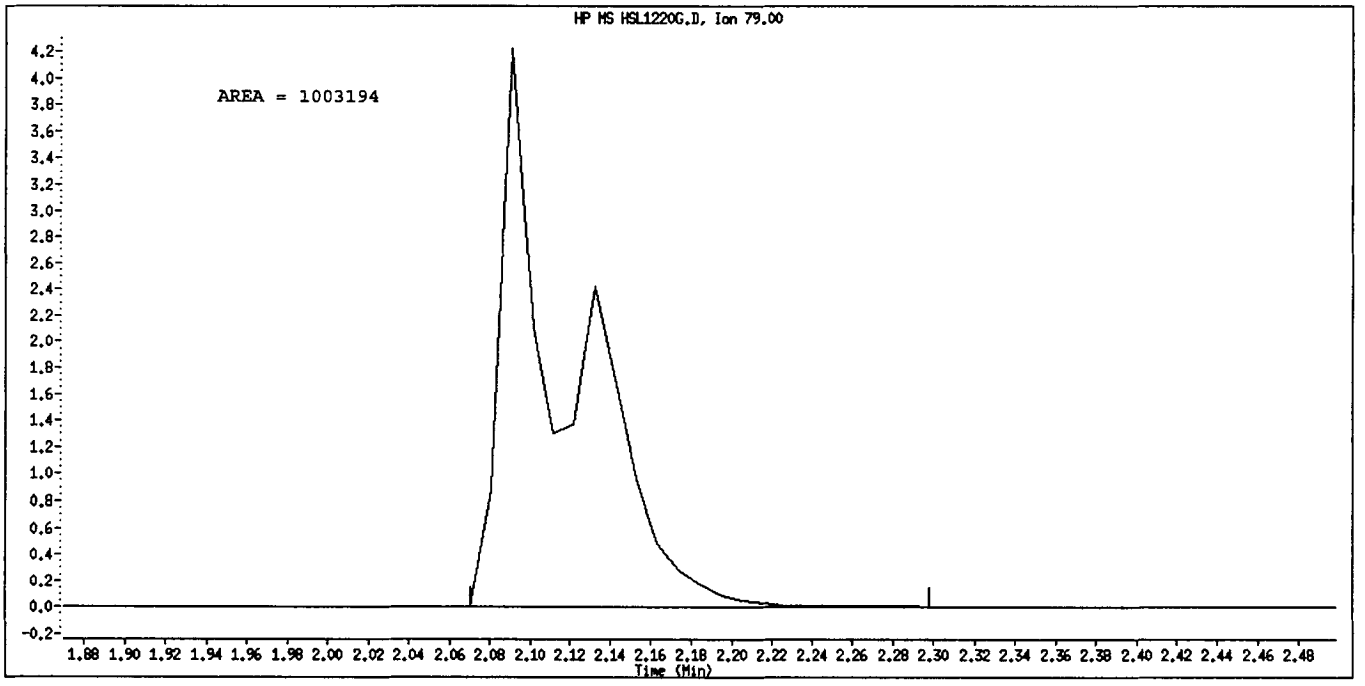
Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

Data File Name: HSL1220G.D
Inj. Date and Time: 20-DEC-2010 14:34
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/20/2010



Original Integration



Manual Integration

Manually Integrated By: ~~semivoa~~ 12/22/10
Manual Integration Reason: Poor Chromatography

TestAmerica West Sacramento

Method 8270C

Data file : \\SV5\C\chem\sv5.i\122010A.B\HSL1220G.D
Lab Smp Id: HSL_160 ug/ml CS-7 Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 14:34
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:29 semivoa Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SV5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	ON-COL (NG)	
* 1 1,4-Dichlorobenzene-d4	152	4.329	4.318	(1.000)	141441	40.0000		(Q)
* 2 Naphthalene-d8	136	5.749	5.748	(1.000)	656599	40.0000		
* 3 Acenaphthene-d10	164	7.168	7.168	(1.000)	520101	40.0000		
* 4 Phenanthrene-d10	188	9.873	9.873	(1.000)	540265	40.0000		
* 5 Chrysene-d12	240	14.329	14.329	(1.000)	471253	40.0000		
* 6 Perylene-d12	264	16.733	16.733	(1.000)	429392	40.0000		
$ 7 2-Fluorophenol	112	3.085	3.085	(0.713)	900110	160.000	179.4	(A)
$ 8 Phenol-d5	99	3.956	3.945	(0.914)	1135680	160.000	179.7	(A)
$ 9 2-Chlorophenol-d4	132	4.122	4.111	(0.952)	980755	160.000	177.4	(A)
$ 10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.045)	559099	160.000	161.6	(A)
$ 11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	980157	160.000	175.6	(A)
$ 12 2-Fluorobiphenyl	172	7.054	7.054	(0.984)	1755064	160.000	91.00	
$ 13 2,4,6-Tribromophenol	330	8.909	8.909	(1.243)	240902	160.000	94.86	
$ 14 Terphenyl-d14	244	12.526	12.526	(0.874)	1672161	160.000	180.5	(A)
15 N-Nitrosodimethylamine	74	2.059	2.059	(0.476)	385366	160.000	115.6	
16 Pyridine	79	2.090	2.101	(0.483)	489196	160.000	92.34	(Q)
23 Aniline	93	4.018	4.018	(0.928)	1509346	160.000	185.8	(A)
24 Phenol	94	3.966	3.966	(0.916)	1203412	160.000	167.4	(A)
26 Bis(2-chloroethyl)ether	93	4.080	4.070	(0.943)	989338	160.000	191.4	(A)
27 2-Chlorophenol	128	4.132	4.132	(0.955)	937064	160.000	169.8	(A)
28 1,3-Dichlorobenzene	146	4.287	4.287	(0.990)	1000425	160.000	166.9	(A)
29 1,4-Dichlorobenzene	146	4.339	4.339	(1.002)	1008842	160.000	160.7	(A)
30 Benzyl Alcohol	108	4.484	4.474	(1.036)	671496	160.000	180.4	(A)
31 1,2-Dichlorobenzene	146	4.546	4.546	(1.050)	949871	160.000	165.3	(A)
32 2-Methylphenol	108	4.609	4.598	(1.065)	905629	160.000	178.0	(A)
33 2,2'-oxybis(1-Chloropropane)	45	4.660	4.650	(1.077)	1902183	160.000	223.5	(A)
34 4-Methylphenol	108	4.764	4.764	(1.101)	954381	160.000	177.4	(A)
36 Hexachloroethane	117	4.878	4.878	(1.127)	407840	160.000	186.5	(A)
37 N-Nitrosodinpropylamine	70	4.816	4.805	(1.113)	753300	160.000	203.8	(A)
42 Nitrobenzene	77	4.971	4.971	(0.865)	1024666	160.000	185.5	(A)
44 Isophorone	82	5.230	5.230	(0.910)	1883061	160.000	177.9	(A)
45 2-Nitrophenol	139	5.334	5.334	(0.928)	493086	160.000	157.4	(Q)
46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	981243	160.000	170.2	(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.490	5.489	(0.955)	1150738	160.000	177.7(A)
49 2,4-Dichlorophenol	162	5.593	5.593	(0.973)	713136	160.000	162.3(A)
50 Benzoic Acid	122	5.490	5.438	(0.955)	487014	160.000	160.7(A)
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	776451	160.000	162.0(A)
52 Naphthalene	128	5.769	5.769	(1.004)	2870565	160.000	159.3
54 4-Chloroaniline	127	5.863	5.852	(1.020)	1159403	160.000	164.5(A)
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	392110	160.000	166.4(A)
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	850096	160.000	173.2(A)
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	1780212	160.000	158.1
66 Hexachlorocyclopentadiene	237	6.868	6.868	(0.958)	445329	160.000	98.64
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.970)	434498	160.000	92.10
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.975)	486079	160.000	94.84
71 2-Chloronaphthalene	162	7.168	7.168	(1.000)	1620276	160.000	94.31
73 2-Nitroaniline	65	7.334	7.324	(1.023)	644923	160.000	120.0
76 Dimethylphthalate	163	7.604	7.593	(1.061)	1894586	160.000	96.43
77 Acenaphthylene	152	7.676	7.676	(1.071)	2620933	160.000	89.53
79 2,6-Dinitrotoluene	165	7.676	7.676	(1.071)	419494	160.000	93.38
80 3-Nitroaniline	138	7.842	7.831	(1.094)	525591	160.000	94.66
81 Acenaphthene	153	7.904	7.904	(1.103)	1772486	160.000	93.40
82 2,4-Dinitrophenol	184	7.966	7.956	(1.111)	174627	160.000	82.79
83 Dibenzofuran	168	8.111	8.101	(1.132)	2259712	160.000	90.79
84 4-Nitrophenol	109	8.039	8.028	(1.121)	247363	160.000	105.1
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.139)	555961	160.000	96.33
91 Fluorene	166	8.557	8.557	(1.194)	1880753	160.000	90.82
92 Diethylphthalate	149	8.505	8.505	(1.186)	1894784	160.000	93.95
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.195)	822529	160.000	93.54
94 4-Nitroaniline	138	8.640	8.629	(1.205)	479411	160.000	86.16
97 4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	258093	160.000	156.3
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	1559573	187.000	191.1(A)
100 Azobenzene	77	8.775	8.774	(0.889)	2190587	160.000	199.3(A)
101 4-Bromophenyl-phenylether	248	9.241	9.241	(0.936)	479894	160.000	181.5(A)
108 Hexachlorobenzene	284	9.438	9.438	(0.956)	504334	160.000	170.7(A)
110 Pentachlorophenol	266	9.697	9.697	(0.982)	263293	160.000	166.8(A)
114 Phenanthrene	178	9.915	9.904	(1.004)	2695573	160.000	158.5
115 Anthracene	178	9.977	9.977	(1.010)	2789696	160.000	164.1(A)
118 Carbazole	167	10.236	10.236	(1.037)	2516590	160.000	162.0(A)
120 Di-n-Butylphthalate	149	10.940	10.940	(1.108)	3257004	160.000	174.6(A)
126 Fluoranthene	202	11.821	11.821	(1.197)	2585420	160.000	168.4(A)
127 Benzidine	184	12.080	12.080	(0.843)	1623825	160.000	172.0(A)
128 Pyrene	202	12.194	12.184	(0.851)	2760746	160.000	186.8(A)
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	1497863	160.000	177.4(A)
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	1280571	160.000	174.0(A)
138 Benzo(a)Anthracene	228	14.308	14.298	(0.999)	2078003	160.000	165.2(A)
139 Chrysene	228	14.381	14.371	(1.004)	2052766	160.000	160.2(A)
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	830486	160.000	175.6(A)
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	1778709	160.000	175.1(A)
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	2895269	160.000	178.7(A)
144 Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	1906877	160.000	193.0(A)
145 Benzo(k)fluoranthene	252	16.184	16.184	(0.967)	2166150	160.000	172.6(A)
147 Benzo(e)pyrene	252	16.568	16.567	(0.990)	1829534	160.000	178.0(A)
148 Benzo(a)pyrene	252	16.651	16.640	(0.995)	1996081	160.000	179.4(A)
151 Indeno(1,2,3-cd)pyrene	276	18.568	18.568	(1.110)	1590473	160.000	176.2(A)
152 Dibenzo(a,h)anthracene	278	18.619	18.609	(1.113)	1774226	160.000	176.9(A)
153 Benzo(g,h,i)perylene	276	19.055	19.044	(1.139)	1762191	160.000	163.8(A)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				4073027	160.000	181.6 (A)

QC Flag Legend

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

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1220G.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\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0313;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	141441	45.58
2 Naphthalene-d8	440574	220287	881148	656599	49.03
3 Acenaphthene-d10	234996	117498	469992	349825	48.86
4 Phenanthrene-d10	360879	180440	721758	540265	49.71
5 Chrysene-d12	342230	171115	684460	471253	37.70
6 Perylene-d12	320443	160222	640886	429392	34.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	4.32	3.82	4.82	4.33	0.24
2 Naphthalene-d8	5.75	5.25	6.25	5.75	0.00
3 Acenaphthene-d10	7.86	7.36	8.36	7.86	0.00
4 Phenanthrene-d10	9.87	9.37	10.37	9.87	0.00
5 Chrysene-d12	14.33	13.83	14.83	14.33	0.00
6 Perylene-d12	16.73	16.23	17.23	16.73	0.00

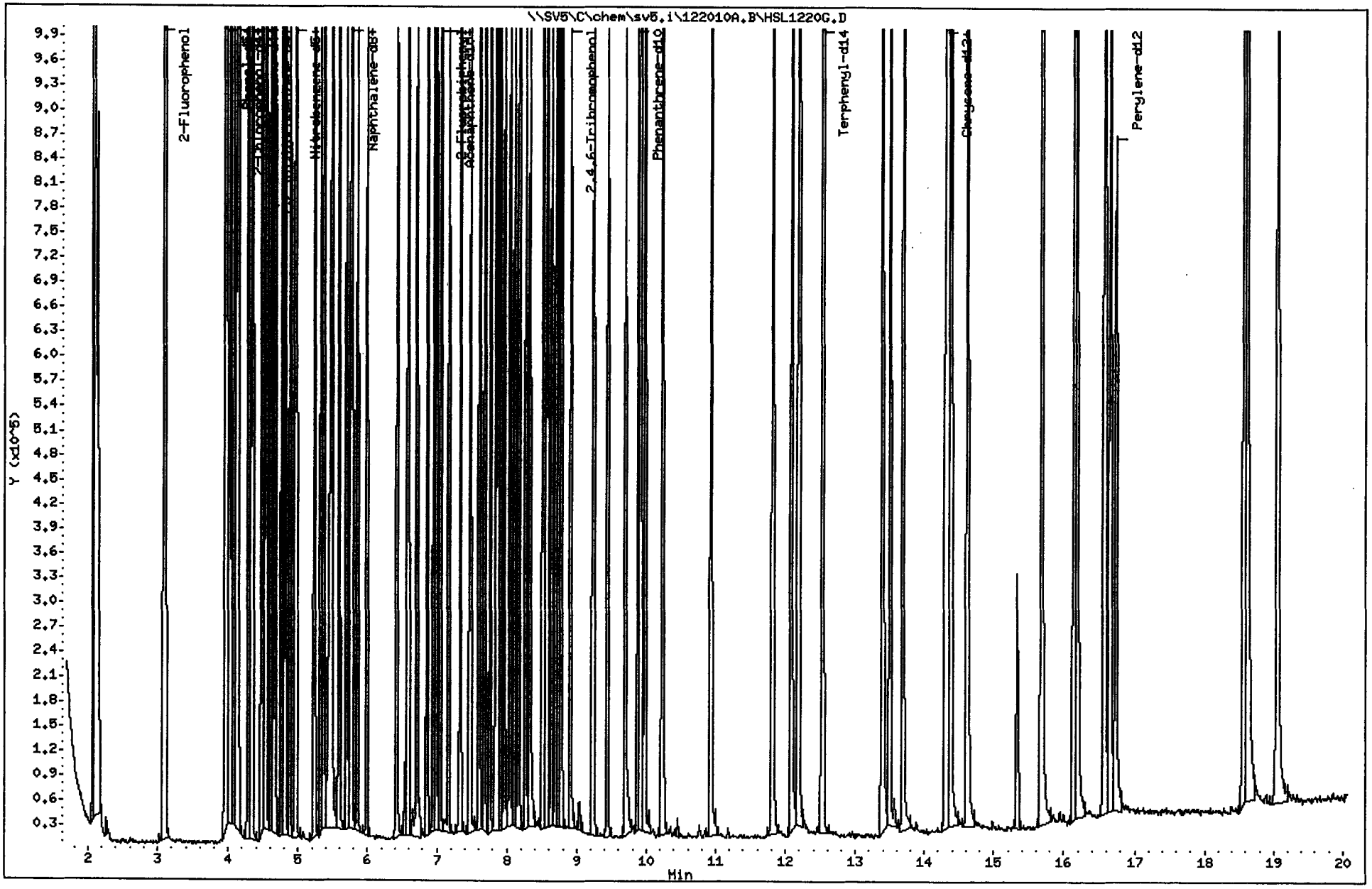
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\SV5\C\chem\sv5.i\122010A.B\HSL1220G.D
Date : 20-DEC-2010 14:34
Client ID: 8270F.M
Sample Info: HSL_160 ug/ml CS-7;1;;7;;;;4

Instrument: sv5.i

Operator: KT
Column diameter: 2.00

Column phase:



TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 20-DEC-2010 15:00
Lab File ID: HSL1220H.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 14:34
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\122010A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 7 2-Fluorophenol	1.54282	1.51480	1.51480	0.010	-1.81559	50.00000	Averaged
$ 8 Phenol-d5	1.96555	1.86526	1.86526	0.010	-5.10244	50.00000	Averaged
$ 9 2-Chlorophenol-d4	1.67694	1.64997	1.64997	0.010	-1.60845	50.00000	Averaged
$ 10 1,2-Dichlorobenzene-d4	0.97393	0.94468	0.94468	0.010	-3.00349	50.00000	Averaged
$ 11 Nitrobenzene-d5	0.36435	0.37409	0.37409	0.010	2.67442	50.00000	Averaged
$ 12 2-Fluorobiphenyl	1.24982	1.20808	1.20808	0.010	-3.33993	50.00000	Averaged
$ 13 2,4,6-Tribromophenol	0.15406	0.15515	0.15515	0.010	0.70711	50.00000	Averaged
$ 14 Terphenyl-d14	0.82205	0.79984	0.79984	0.010	-2.70160	50.00000	Averaged
15 N-Nitrosodimethylamine	1.12338	1.09343	1.09343	0.010	-2.66678	50.00000	Averaged
16 Pyridine	1.82311	1.94392	1.94392	0.010	6.62638	50.00000	Averaged
23 Aniline	2.60540	2.09722	2.09722	0.010	-19.50482	50.00000	Averaged
24 Phenol	2.06659	2.09148	2.09148	0.010	1.20423	20.00000	Averaged
26 Bis(2-chloroethyl)ether	1.70932	1.67176	1.67176	0.010	-2.19719	50.00000	Averaged
27 2-Chlorophenol	1.60056	1.59183	1.59183	0.010	-0.54504	50.00000	Averaged
28 1,3-Dichlorobenzene	1.72139	1.71162	1.71162	0.010	-0.56728	50.00000	Averaged
29 1,4-Dichlorobenzene	1.77216	1.69343	1.69343	0.010	-4.44262	20.00000	Averaged
30 Benzyl Alcohol	1.13046	1.09279	1.09279	0.010	-3.33205	50.00000	Averaged
31 1,2-Dichlorobenzene	1.66375	1.64526	1.64526	0.010	-1.11141	50.00000	Averaged
32 2-Methylphenol	1.54339	1.50887	1.50887	0.010	-2.23622	50.00000	Averaged
33 2,2'-oxybis(1-Chloropropane	3.31239	3.20662	3.20662	0.010	-3.19303	50.00000	Averaged
34 4-Methylphenol	1.61569	1.50900	1.50900	0.010	-6.60330	50.00000	Averaged
36 Hexachloroethane	0.71159	0.69532	0.69532	0.010	-2.28552	50.00000	Averaged
37 N-Nitrosodinpropylamine	1.31482	1.25269	1.25269	0.050	-4.72598	50.00000	Averaged
42 Nitrobenzene	0.38619	0.39623	0.39623	0.010	2.60150	50.00000	Averaged
44 Isophorone	0.70530	0.71264	0.71264	0.010	1.04110	50.00000	Averaged
45 2-Nitrophenol	0.16608	0.17652	0.17652	0.010	6.28738	20.00000	Averaged
46 2,4-Dimethyphenol	0.36665	0.35598	0.35598	0.010	-2.90959	50.00000	Averaged
47 Bis(2-chloroethoxy)methane	0.44103	0.43929	0.43929	0.010	-0.39430	50.00000	Averaged
49 2,4-Dichlorophenol	0.26358	0.27378	0.27378	0.010	3.87182	20.00000	Averaged
50 Benzoic Acid	50.00000	56.11334	0.16427	0.010	12.22668	0.000e+000	Quadratic
51 1,2,4-Trichlorobenzene	0.30149	0.29038	0.29038	0.010	-3.68590	50.00000	Averaged
52 Naphthalene	1.10059	1.06948	1.06948	0.010	-2.82728	50.00000	Averaged
54 4-Chloroaniline	0.43747	0.41538	0.41538	0.010	-5.04869	50.00000	Averaged
57 Hexachlorobutadiene	0.15165	0.14767	0.14767	0.010	-2.62460	20.00000	Averaged
60 4-Chloro-3-Methylphenol	0.30682	0.32160	0.32160	0.010	4.81772	20.00000	Averaged
63 2-Methylnaphthalene	0.66816	0.69008	0.69008	0.010	3.28064	50.00000	Averaged
66 Hexachlorocyclopentadiene	0.29552	0.32418	0.32418	0.050	9.69959	50.00000	Averaged
69 2,4,6-Trichlorophenol	0.28929	0.30048	0.30048	0.010	3.86713	20.00000	Averaged
70 2,4,5-Trichlorphenol	0.32366	0.32466	0.32466	0.010	0.30772	50.00000	Averaged
71 2-Chloronaphthalene	1.14210	1.15503	1.15503	0.010	1.13235	50.00000	Averaged
73 2-Nitroaniline	0.39764	0.42771	0.42771	0.010	7.56320	50.00000	Averaged
76 Dimethylphthalate	1.32813	1.28902	1.28902	0.010	-2.94421	50.00000	Averaged

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TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 20-DEC-2010 15:00
Lab File ID: HSL1220H.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 14:34
Lab Sample ID: HSL_050 ug/ml ICV Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\122010A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
77 Acenaphthylene	1.84415	1.78058	1.78058	0.010	-3.44678	50.00000	Averaged	
79 2,6-Dinitrotoluene	0.26964	0.26443	0.26443	0.010	-1.93368	50.00000	Averaged	
80 3-Nitroaniline	0.33567	0.32861	0.32861	0.010	-2.10313	50.00000	Averaged	
81 Acenaphthene	1.24366	1.17581	1.17581	0.010	-5.45610	20.00000	Averaged	
82 2,4-Dinitrophenol	50.00000	48.95638	0.08651	0.050	-2.08723	0.000e+000	Quadratic	
83 Dibenzofuran	1.59847	1.60067	1.60067	0.010	0.13765	50.00000	Averaged	
84 4-Nitrophenol	0.15401	0.17720	0.17720	0.050	15.06118	50.00000	Averaged	
86 2,4-Dinitrotoluene	50.00000	50.57574	0.34759	0.010	1.15148	0.000e+000	Quadratic	
91 Fluorene	1.32629	1.28782	1.28782	0.010	-2.90103	50.00000	Averaged	
92 Diethylphthalate	1.32280	1.29511	1.29511	0.010	-2.09372	50.00000	Averaged	
93 4-Chlorophenyl-phenylether	0.58441	0.58544	0.58544	0.010	0.17640	50.00000	Averaged	
94 4-Nitroaniline	0.32079	0.34181	0.34181	0.010	6.55561	50.00000	Averaged	
97 4,6-Dinitro-2-methylphenol	50.00000	50.39504	0.09173	0.010	0.79009	0.000e+000	Quadratic	
98 N-Nitrosodiphenylamine	0.59011	0.49119	0.49119	0.010	-16.76380	20.00000	Averaged	
100 Azobenzene	0.99390	1.02053	1.02053	0.010	2.67972	50.00000	Averaged	
101 4-Bromophenyl-phenylether	0.20707	0.21741	0.21741	0.010	4.99237	50.00000	Averaged	
108 Hexachlorobenzene	0.23363	0.23340	0.23340	0.010	-0.09595	50.00000	Averaged	
110 Pentachlorophenol	0.10414	0.11795	0.11795	0.010	13.26395	20.00000	Averaged	
114 Phenanthrene	1.23355	1.22523	1.22523	0.010	-0.67425	50.00000	Averaged	
115 Anthracene	1.23023	1.23053	1.23053	0.010	0.02413	50.00000	Averaged	
118 Carbazole	1.13713	1.15028	1.15028	0.010	1.15643	50.00000	Averaged	
120 Di-n-Butylphthalate	1.38425	1.42158	1.42158	0.010	2.69681	50.00000	Averaged	
126 Fluoranthene	1.15570	1.17464	1.17464	0.010	1.63906	20.00000	Averaged	
127 Benzidine	0.77141	0.21786	0.21786	0.010	-71.75820	50.00000	Averaged	<NA
128 Pyrene	1.35569	1.27106	1.27106	0.010	-6.24280	50.00000	Averaged	
134 3,3'-dimethylbenzidine	0.71294	0.22573	0.22573	0.010	-68.33787	50.00000	Averaged	<NA
136 Butylbenzylphthalate	0.61981	0.62650	0.62650	0.010	1.07803	50.00000	Averaged	
138 Benzo(a)Anthracene	1.07296	1.05847	1.05847	0.010	-1.35059	50.00000	Averaged	
139 Chrysene	1.09212	1.02523	1.02523	0.010	-6.12492	50.00000	Averaged	
140 3,3'-Dichlorobenzidine	0.40603	0.40865	0.40865	0.010	0.64497	50.00000	Averaged	
141 bis(2-ethylhexyl)Phthalate	0.86864	0.87616	0.87616	0.010	0.86521	50.00000	Averaged	
142 Di-n-octylphthalate	1.35263	1.36692	1.36692	0.010	1.05603	20.00000	Averaged	
144 Benzo(b)fluoranthene	1.07188	1.00294	1.00294	0.010	-6.43097	50.00000	Averaged	
145 Benzo(k)fluoranthene	1.20746	1.29766	1.29766	0.010	7.47060	50.00000	Averaged	
147 Benzo(e)pyrene	1.03521	1.07990	1.07990	0.010	4.31739	50.00000	Averaged	
148 Benzo(a)pyrene	1.10378	0.95076	0.95076	0.010	-13.86300	20.00000	Averaged	
151 Indeno(1,2,3-cd)pyrene	0.90971	0.93539	0.93539	0.010	2.82307	50.00000	Averaged	
152 Dibenzo(a,h)anthracene	0.97939	1.08920	1.08920	0.010	11.21213	50.00000	Averaged	
153 Benzo(g,h,i)perylene	1.01801	1.07400	1.07400	0.010	5.50018	50.00000	Averaged	
M 162 benzo b,k Fluoranthene Tota	2.27933	2.30060	2.30060	0.010	0.93326	50.00000	Averaged	

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TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220H.D
Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 15:00
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:58 sv5.i Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	113997	40.0000	
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	497527	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	275335	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	414401	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	399459	40.0000	
* 6	Perylene-d12	264	16.733	16.733	(1.000)	373542	40.0000	
$ 7	2-Fluorophenol	112	3.085	3.085	(0.714)	215854	50.0000	49.09
$ 8	Phenol-d5	99	3.956	3.956	(0.916)	265792	50.0000	47.45
$ 9	2-Chlorophenol-d4	132	4.111	4.111	(0.952)	235114	50.0000	49.20
$ 10	1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	134613	50.0000	48.50
$ 11	Nitrobenzene-d5	82	4.951	4.951	(0.861)	232650	50.0000	51.34
$ 12	2-Fluorobiphenyl	172	7.054	7.054	(0.897)	415783	50.0000	48.33
$ 13	2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	53397	50.0000	50.35
$ 14	Terphenyl-d14	244	12.526	12.526	(0.874)	399380	50.0000	48.65
15	N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	155809	50.0000	48.67
16	Pyridine	79	2.090	2.090	(0.484)	277001	50.0000	53.31(M)
23	Aniline	93	4.018	4.018	(0.930)	298846	50.0000	40.25
24	Phenol	94	3.966	3.966	(0.918)	298028	50.0000	50.60
26	Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	238220	50.0000	48.90
27	2-Chlorophenol	128	4.132	4.132	(0.957)	226830	50.0000	49.73
28	1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	243900	50.0000	49.72
29	1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	241308	50.0000	47.78
30	Benzyl Alcohol	108	4.474	4.474	(1.036)	155719	50.0000	48.33
31	1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	234443	50.0000	49.44
32	2-Methylphenol	108	4.598	4.598	(1.065)	215009	50.0000	48.88
33	2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	456932	50.0000	48.40
34	4-Methylphenol	108	4.754	4.754	(1.101)	215027	50.0000	46.70
36	Hexachloroethane	117	4.878	4.878	(1.130)	99081	50.0000	48.86
37	N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	178503	50.0000	47.64
42	Nitrobenzene	77	4.971	4.971	(0.865)	246420	50.0000	51.30
44	Isophorone	82	5.230	5.230	(0.910)	443196	50.0000	50.52
45	2-Nitrophenol	139	5.334	5.334	(0.928)	109779	50.0000	53.14
46	2,4-Dimethyphenol	107	5.365	5.365	(0.933)	221389	50.0000	48.54

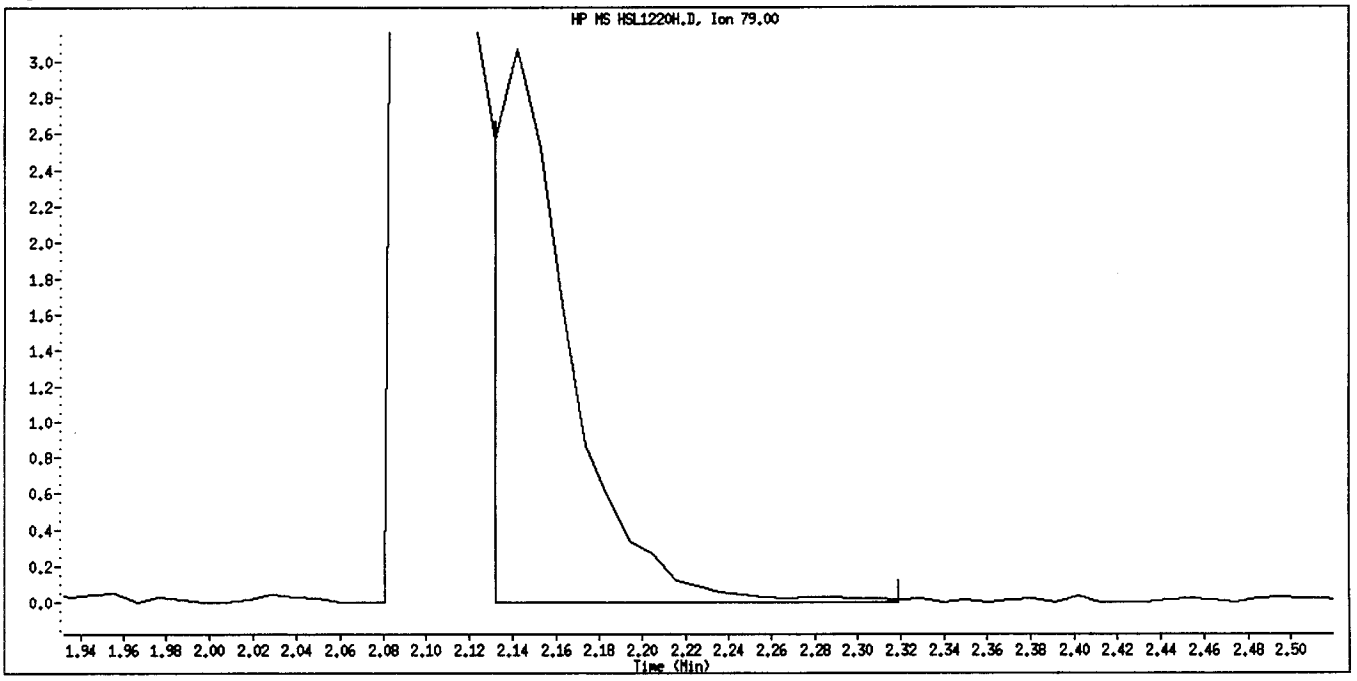
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47	Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	273196	50.0000	49.80
49	2,4-Dichlorophenol	162	5.583	5.583	(0.971)	170269	50.0000	51.94
50	Benzoic Acid	122	5.438	5.438	(0.946)	102158	50.0000	56.11
51	1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	180587	50.0000	48.16
52	Naphthalene	128	5.769	5.769	(1.004)	665116	50.0000	48.59
54	4-Chloroaniline	127	5.852	5.852	(1.018)	258330	50.0000	47.48
57	Hexachlorobutadiene	225	5.987	5.987	(1.041)	91840	50.0000	48.69
60	4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	200005	50.0000	52.41
63	2-Methylnaphthalene	142	6.588	6.588	(1.146)	429164	50.0000	51.64
66	Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	111573	50.0000	54.85
69	2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	103416	50.0000	51.93
70	2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	111738	50.0000	50.15
71	2-Chloronaphthalene	162	7.158	7.158	(0.910)	397525	50.0000	50.57
73	2-Nitroaniline	65	7.324	7.324	(0.931)	147206	50.0000	53.78
76	Dimethylphthalate	163	7.593	7.593	(0.966)	443642	50.0000	48.53
77	Acenaphthylene	152	7.676	7.676	(0.976)	612821	50.0000	48.28
79	2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	91008	50.0000	49.03
80	3-Nitroaniline	138	7.831	7.831	(0.996)	113097	50.0000	48.95
81	Acenaphthene	153	7.904	7.904	(1.005)	404676	50.0000	47.27
82	2,4-Dinitrophenol	184	7.956	7.956	(1.012)	29773	50.0000	48.96
83	Dibenzofuran	168	8.101	8.101	(1.030)	550900	50.0000	50.07
84	4-Nitrophenol	109	8.028	8.028	(1.021)	60987	50.0000	57.53
86	2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	119629	50.0000	50.58
91	Fluorene	166	8.557	8.557	(1.088)	443226	50.0000	48.55
92	Diethylphthalate	149	8.505	8.505	(1.082)	445735	50.0000	48.95
93	4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	201490	50.0000	50.09
94	4-Nitroaniline	138	8.629	8.629	(1.098)	117642	50.0000	53.28
97	4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	47514	50.0000	50.40
98	N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	298198	58.6000	48.78
100	Azobenzene	77	8.775	8.775	(0.889)	528637	50.0000	51.34
101	4-Bromophenyl-phenylether	248	9.230	9.230	(0.935)	112618	50.0000	52.50
108	Hexachlorobenzene	284	9.438	9.438	(0.956)	120904	50.0000	49.95
110	Pentachlorophenol	266	9.686	9.686	(0.981)	61099	50.0000	56.63
114	Phenanthrene	178	9.904	9.904	(1.003)	634672	50.0000	49.66
115	Anthracene	178	9.977	9.977	(1.010)	637417	50.0000	50.01
118	Carbazole	167	10.236	10.236	(1.037)	595848	50.0000	50.58
120	Di-n-Butylphthalate	149	10.930	10.930	(1.107)	736382	50.0000	51.35
126	Fluoranthene	202	11.811	11.811	(1.196)	608467	50.0000	50.82
127	Benzidine	184	12.080	12.080	(0.843)	108783	50.0000	14.12
128	Pyrene	202	12.184	12.184	(0.850)	634668	50.0000	46.88
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	112714	50.0000	15.83
136	Butylbenzylphthalate	149	13.500	13.500	(0.942)	312824	50.0000	50.54
138	Benzo(a)Anthracene	228	14.298	14.298	(0.998)	528517	50.0000	49.32
139	Chrysene	228	14.371	14.371	(1.003)	511923	50.0000	46.94
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	204048	50.0000	50.32
141	bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	437487	50.0000	50.43
142	Di-n-octylphthalate	149	15.676	15.676	(1.094)	682534	50.0000	50.53
144	Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	468302	50.0000	46.78
145	Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	605913	50.0000	53.74
147	Benzo(e)pyrene	252	16.568	16.568	(0.990)	504236	50.0000	52.16
148	Benzo(a)pyrene	252	16.640	16.640	(0.994)	443937	50.0000	43.07
151	Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	436759	50.0000	51.41
152	Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	508577	50.0000	55.61
153	Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	501482	50.0000	52.75

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1074215	50.0000	

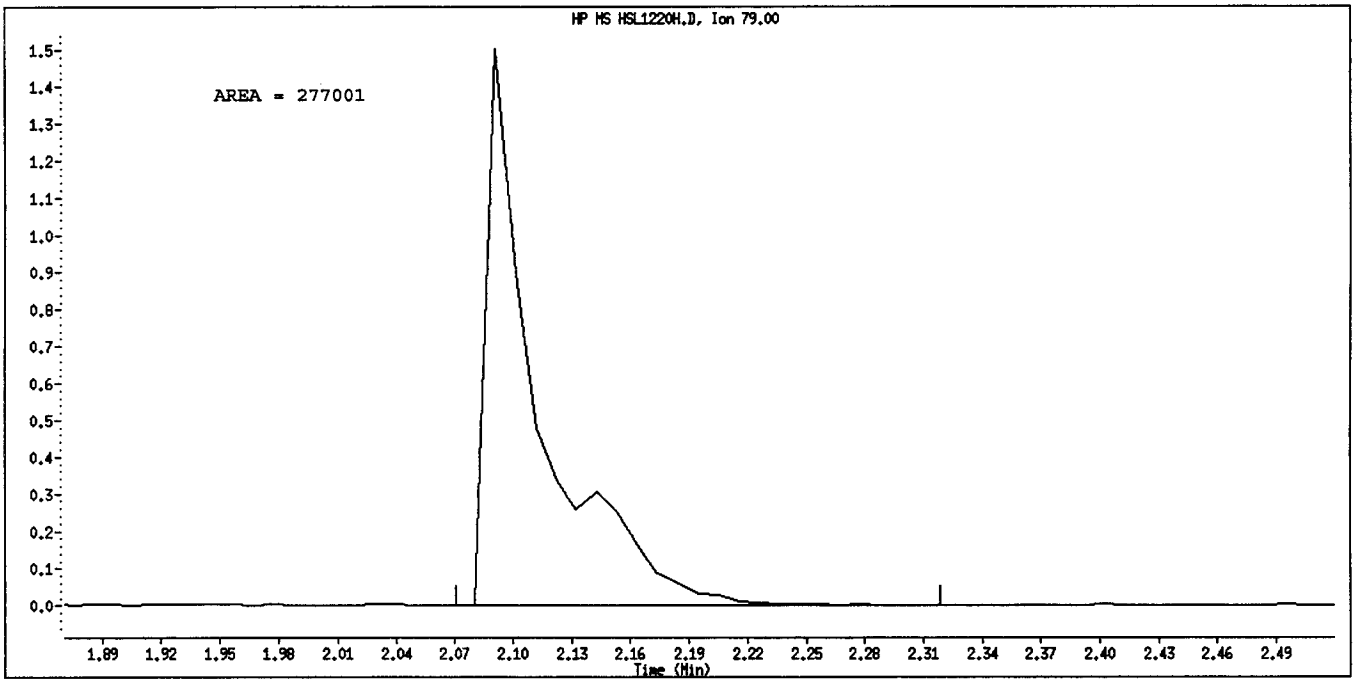
QC Flag Legend

M - Compound response manually integrated.

Data File Name: HSL1220H.D
Inj. Date and Time: 20-DEC-2010 15:00
Instrument ID: sv5.i
Client ID: 8270F.M
Compound Name: Pyridine
CAS #: 110-86-1
Report Date: 12/20/2010



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\122010A.B\HSL1220H.D
Lab Smp Id: HSL_050 ug/ml ICV Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 15:00
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:52 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 8 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1_8270STD.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
*	1 1,4-Dichlorobenzene-d4	152	4.318	4.318	(1.000)	113997	40.0000	
*	2 Naphthalene-d8	136	5.749	5.749	(1.000)	497527	40.0000	
*	3 Acenaphthene-d10	164	7.863	7.863	(1.000)	275335	40.0000	
*	4 Phenanthrene-d10	188	9.873	9.873	(1.000)	414401	40.0000	
*	5 Chrysene-d12	240	14.329	14.329	(1.000)	399459	40.0000	
*	6 Perylene-d12	264	16.733	16.733	(1.000)	373542	40.0000	
$	7 2-Fluorophenol	112	3.085	3.085	(0.714)	215854	50.0000	49.09
$	8 Phenol-d5	99	3.956	3.956	(0.916)	265792	50.0000	47.45
$	9 2-Chlorophenol-d4	132	4.111	4.111	(0.952)	235114	50.0000	49.20
$	10 1,2-Dichlorobenzene-d4	152	4.526	4.526	(1.048)	134613	50.0000	48.50
$	11 Nitrobenzene-d5	82	4.951	4.951	(0.861)	232650	50.0000	51.34
$	12 2-Fluorobiphenyl	172	7.054	7.054	(0.897)	415783	50.0000	48.33
$	13 2,4,6-Tribromophenol	330	8.909	8.909	(1.133)	53397	50.0000	50.35
$	14 Terphenyl-d14	244	12.526	12.526	(0.874)	399380	50.0000	48.65
	15 N-Nitrosodimethylamine	74	2.059	2.059	(0.477)	155809	50.0000	48.67
	16 Pyridine	79	2.142	2.142	(0.496)	68788	50.0000	13.24
	23 Aniline	93	4.018	4.018	(0.930)	298846	50.0000	40.25
	24 Phenol	94	3.966	3.966	(0.918)	298028	50.0000	50.60
	26 Bis(2-chloroethyl)ether	93	4.070	4.070	(0.942)	238220	50.0000	48.90
	27 2-Chlorophenol	128	4.132	4.132	(0.957)	226830	50.0000	49.73
	28 1,3-Dichlorobenzene	146	4.287	4.287	(0.993)	243900	50.0000	49.72
	29 1,4-Dichlorobenzene	146	4.339	4.339	(1.005)	241308	50.0000	47.78
	30 Benzyl Alcohol	108	4.474	4.474	(1.036)	155719	50.0000	48.33
	31 1,2-Dichlorobenzene	146	4.546	4.546	(1.053)	234443	50.0000	49.44
	32 2-Methylphenol	108	4.598	4.598	(1.065)	215009	50.0000	48.88
	33 2,2'-oxybis(1-Chloropropane)	45	4.650	4.650	(1.077)	456932	50.0000	48.40
	34 4-Methylphenol	108	4.754	4.754	(1.101)	215027	50.0000	46.70
	36 Hexachloroethane	117	4.878	4.878	(1.130)	99081	50.0000	48.86
	37 N-Nitrosodinpropylamine	70	4.805	4.805	(1.113)	178503	50.0000	47.64
	42 Nitrobenzene	77	4.971	4.971	(0.865)	246420	50.0000	51.30
	44 Isophorone	82	5.230	5.230	(0.910)	443196	50.0000	50.52
	45 2-Nitrophenol	139	5.334	5.334	(0.928)	109779	50.0000	53.14
	46 2,4-Dimethyphenol	107	5.365	5.365	(0.933)	221389	50.0000	48.54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
47 Bis(2-chloroethoxy)methane	93	5.489	5.489	(0.955)	273196	50.0000	49.80
49 2,4-Dichlorophenol	162	5.583	5.583	(0.971)	170269	50.0000	51.94
50 Benzoic Acid	122	5.438	5.438	(0.946)	102158	50.0000	56.11
51 1,2,4-Trichlorobenzene	180	5.697	5.697	(0.991)	180587	50.0000	48.16
52 Naphthalene	128	5.769	5.769	(1.004)	665116	50.0000	48.59
54 4-Chloroaniline	127	5.852	5.852	(1.018)	258330	50.0000	47.48
57 Hexachlorobutadiene	225	5.987	5.987	(1.041)	91840	50.0000	48.69
60 4-Chloro-3-Methylphenol	107	6.422	6.422	(1.117)	200005	50.0000	52.41
63 2-Methylnaphthalene	142	6.588	6.588	(1.146)	429164	50.0000	51.64
66 Hexachlorocyclopentadiene	237	6.857	6.857	(0.872)	111573	50.0000	54.85
69 2,4,6-Trichlorophenol	196	6.951	6.951	(0.884)	103416	50.0000	51.93
70 2,4,5-Trichlorphenol	196	6.992	6.992	(0.889)	111738	50.0000	50.15
71 2-Chloronaphthalene	162	7.158	7.158	(0.910)	397525	50.0000	50.57
73 2-Nitroaniline	65	7.324	7.324	(0.931)	147206	50.0000	53.78
76 Dimethylphthalate	163	7.593	7.593	(0.966)	443642	50.0000	48.53
77 Acenaphthylene	152	7.676	7.676	(0.976)	612821	50.0000	48.28
79 2,6-Dinitrotoluene	165	7.676	7.676	(0.976)	91008	50.0000	49.03
80 3-Nitroaniline	138	7.831	7.831	(0.996)	113097	50.0000	48.95
81 Acenaphthene	153	7.904	7.904	(1.005)	404676	50.0000	47.27
82 2,4-Dinitrophenol	184	7.956	7.956	(1.012)	29773	50.0000	48.96
83 Dibenzofuran	168	8.101	8.101	(1.030)	550900	50.0000	50.07
84 4-Nitrophenol	109	8.028	8.028	(1.021)	60987	50.0000	57.53
86 2,4-Dinitrotoluene	165	8.163	8.163	(1.038)	119629	50.0000	50.58
91 Fluorene	166	8.557	8.557	(1.088)	443226	50.0000	48.55
92 Diethylphthalate	149	8.505	8.505	(1.082)	445735	50.0000	48.95
93 4-Chlorophenyl-phenylether	204	8.567	8.567	(1.090)	201490	50.0000	50.09
94 4-Nitroaniline	138	8.629	8.629	(1.098)	117642	50.0000	53.28
97 4,6-Dinitro-2-methylphenol	198	8.692	8.692	(0.880)	47514	50.0000	50.40
98 N-Nitrosodiphenylamine	169	8.733	8.733	(0.885)	298198	58.6000	48.78
100 Azobenzene	77	8.775	8.775	(0.889)	528637	50.0000	51.34
101 4-Bromophenyl-phenylether	248	9.230	9.230	(0.935)	112618	50.0000	52.50
108 Hexachlorobenzene	284	9.438	9.438	(0.956)	120904	50.0000	49.95
110 Pentachlorophenol	266	9.686	9.686	(0.981)	61099	50.0000	56.63
114 Phenanthrene	178	9.904	9.904	(1.003)	634672	50.0000	49.66
115 Anthracene	178	9.977	9.977	(1.010)	637417	50.0000	50.01
118 Carbazole	167	10.236	10.236	(1.037)	595848	50.0000	50.58
120 Di-n-Butylphthalate	149	10.930	10.930	(1.107)	736382	50.0000	51.35
126 Fluoranthene	202	11.811	11.811	(1.196)	608467	50.0000	50.82
127 Benzidine	184	12.080	12.080	(0.843)	108783	50.0000	14.12
128 Pyrene	202	12.184	12.184	(0.850)	634668	50.0000	46.88
134 3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	112714	50.0000	15.83
136 Butylbenzylphthalate	149	13.500	13.500	(0.942)	312824	50.0000	50.54
138 Benzo(a)Anthracene	228	14.298	14.298	(0.998)	528517	50.0000	49.32
139 Chrysene	228	14.371	14.371	(1.003)	511923	50.0000	46.94
140 3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	204048	50.0000	50.32
141 bis(2-ethylhexyl)Phthalate	149	14.619	14.619	(1.020)	437487	50.0000	50.43
142 Di-n-octylphthalate	149	15.676	15.676	(1.094)	682534	50.0000	50.53
144 Benzo(b)fluoranthene	252	16.143	16.143	(0.965)	468302	50.0000	46.78
145 Benzo(k)fluoranthene	252	16.174	16.174	(0.967)	605913	50.0000	53.74
147 Benzo(e)pyrene	252	16.568	16.568	(0.990)	504236	50.0000	52.16
148 Benzo(a)pyrene	252	16.640	16.640	(0.994)	443937	50.0000	43.07
151 Indeno(1,2,3-cd)pyrene	276	18.557	18.557	(1.109)	436759	50.0000	51.41
152 Dibenzo(a,h)anthracene	278	18.609	18.609	(1.112)	508577	50.0000	55.61
153 Benzo(g,h,i)perylene	276	19.034	19.034	(1.137)	501482	50.0000	52.75

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
M 162 benzo b,k Fluoranthene Totals	252				1074215	50.0000	50.47(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: HSL1220H.D
Lab Smp Id: HSL_050 ug/ml ICV
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Misc Info: 3;;0;1_8270STD.SUB;10MSSV0314;0;8270F.M

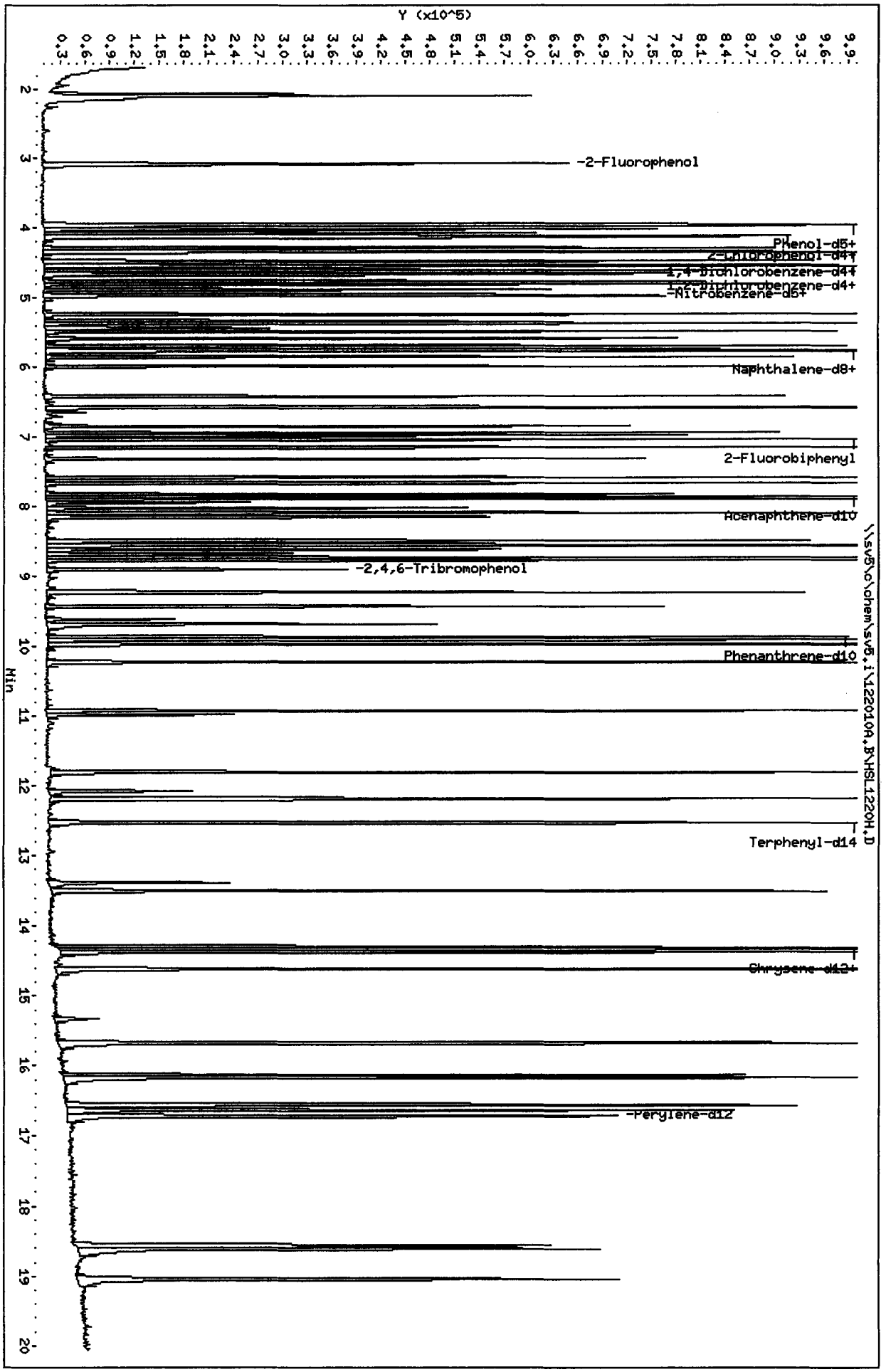
Calibration Date: 20-DEC-2010
Calibration Time: 13:17
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	113997	17.33
2 Naphthalene-d8	440574	220287	881148	497527	12.93
3 Acenaphthene-d10	234996	117498	469992	275335	17.17
4 Phenanthrene-d10	360879	180440	721758	414401	14.83
5 Chrysene-d12	342230	171115	684460	399459	16.72
6 Perylene-d12	320443	160222	640886	373542	16.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF

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


Data File: \\sv5\c\chem\sv5.i\122010A.B\HSL1220H.D
Date : 20-DEC-2010 15:00
Client ID: 8270F,M
Sample Info: HSL_050 ug/ml ICV:2:4:::4
Column phase:
Instrument: sv5.i
Operator: KT
Column diameter: 2.00
Page 5
Y (x10^5)
Min
-2-Fluorophenol
Phenol-d5+
2-Chlorophenol-d4+
1,4-Dichlorobenzene-d4+
1,2-Dichlorobenzene-d4+
-Nitrobenzene-d5+
Naphthalene-d8+
2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
\\sv5\c\chem\sv5.i\122010A.B\HSL1220H.D
Phenanthrene-d10
Terphenyl-d14
Chrysene-d12+
-Perylene-d12

TestAmerica West Sacramento

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: sv5.i Injection Date: 20-DEC-2010 15:25
Lab File ID: HSL1220I.D Init. Cal. Date(s): 17-AUG-2010 20-DEC-2010
Analysis Type: Init. Cal. Times: 17:32 14:34
Lab Sample ID: Benzidines ICV 50ug Quant Type: ISTD
Method: \\sv5\c\chem\sv5.i\122010A.B\8270f.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
127 Benzidine	0.77141	0.82567	0.82567	0.010	7.03367	50.00000	Averaged
134 3,3'-dimethylbenzidine	0.71294	0.77706	0.77706	0.010	8.99287	50.00000	Averaged
140 3,3'-Dichlorobenzidine	0.40603	0.41617	0.41617	0.010	2.49753	50.00000	Averaged

12/20/10

TestAmerica West Sacramento

Method 8270C

Data file : \\sv5\c\chem\sv5.i\122010A.B\HSL1220I.D
Lab Smp Id: Benzidines ICV 50ug Client Smp ID: 8270F.M
Inj Date : 20-DEC-2010 15:25
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\122010A.B\8270f.m
Meth Date : 20-Dec-2010 16:53 truongk Quant Type: ISTD
Cal Date : 17-AUG-2010 21:19 Cal File: AP90817D.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: BenzICV.SUB
Target Version: 4.14
Processing Host: SACP307UM

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (NG)	AMOUNTS ON-COL (NG)
* 1	1,4-Dichlorobenzene-d4	152	4.329	4.329	(1.000)	87824	40.0000	
* 2	Naphthalene-d8	136	5.749	5.749	(1.000)	378968	40.0000	
* 3	Acenaphthene-d10	164	7.863	7.863	(1.000)	194196	40.0000	
* 4	Phenanthrene-d10	188	9.873	9.873	(1.000)	285250	40.0000	
* 5	Chrysene-d12	240	14.329	14.329	(1.000)	259161	40.0000	
* 6	Perylene-d12	264	16.723	16.723	(1.000)	230964	40.0000	
127	Benzidine	184	12.080	12.080	(0.843)	267477	50.0000	53.52
134	3,3'-dimethylbenzidine	212	13.386	13.386	(0.934)	251729	50.0000	54.50
140	3,3'-Dichlorobenzidine	252	14.329	14.329	(1.000)	134819	50.0000	51.25

TestAmerica West Sacramento

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: sv5.i
Lab File ID: HSL1220I.D
Lab Smp Id: Benzidines ICV 50ug
Analysis Type: SV
Quant Type: ISTD
Operator: KT
Method File: \\sv5\c\chem\sv5.i\122010A.B\8270f.m
Misc Info: 3;;0;BenzICV.SUB;10MSSV0342;0;8270F.M

Calibration Date: 20-DEC-2010
Calibration Time: 15:00
Client Smp ID: 8270F.M
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 4

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
1 1,4-Dichlorobenze	97159	48580	194318	87824	-9.61
2 Naphthalene-d8	440574	220287	881148	378968	-13.98
3 Acenaphthene-d10	234996	117498	469992	194196	-17.36
4 Phenanthrene-d10	360879	180440	721758	285250	-20.96
5 Chrysene-d12	342230	171115	684460	259161	-24.27
6 Perylene-d12	320443	160222	640886	230964	-27.92

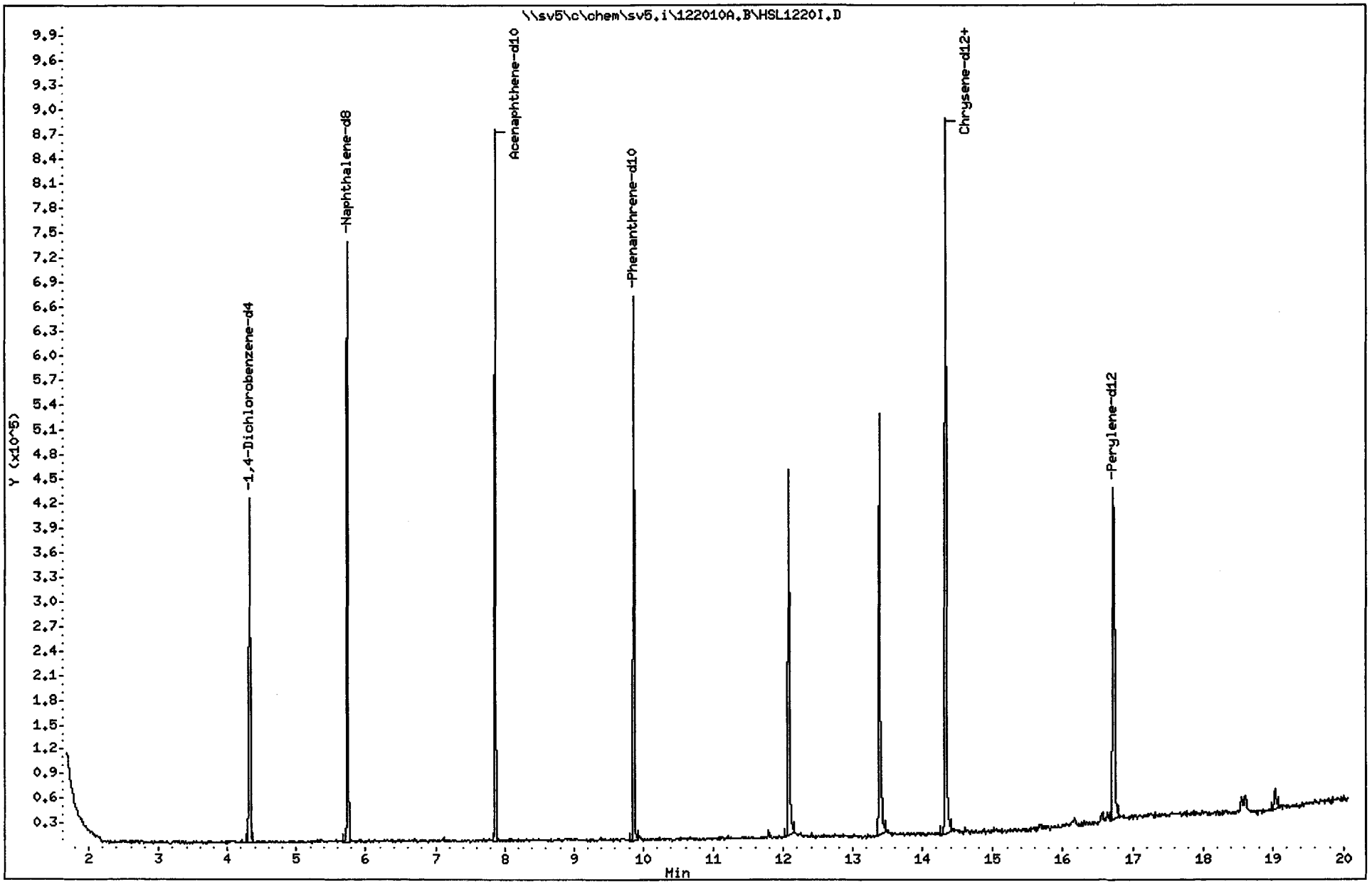
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF

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

Data File: \\sv5\c\chem\sv5.i\122010A.B\HSL1220I.D
Date : 20-DEC-2010 15:25
Client ID: 8270F.M
Sample Info: Benzidines ICV 50ug/mL;2;;;4;;;;;4

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

Column phase:



TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:45 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 12/20/10

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	160.000 Level 7	RRF	% RSD
15 N-Nitrosodimethylamine	1.15145	1.08376	1.15438	1.06494	1.11953	1.13729	1.15233	1.12338	3.205
16 Pyridine	1.62986	1.88206	1.77403	1.82894	1.92659	1.94713	1.77317	1.82311	6.002
23 Aniline	2.59836	2.56699	2.60361	2.54206	2.59022	2.66875	2.66780	2.60540	1.833
24 Phenol	1.95208	2.06673	2.08962	2.00791	2.08458	2.13817	2.12706	2.06659	3.197
26 Bis(2-chloroethyl)ether	1.65483	1.74908	1.70813	1.66776	1.71971	1.71705	1.74868	1.70932	2.136
27 2-Chlorophenol	1.59244	1.52350	1.58965	1.55951	1.62694	1.65556	1.65628	1.60056	3.085
28 1,3-Dichlorobenzene	1.73822	1.67652	1.72973	1.67530	1.72468	1.73700	1.76827	1.72139	1.976
29 1,4-Dichlorobenzene	1.79145	1.75045	1.79440	1.72740	1.74703	1.81129	1.78315	1.77216	1.728

TestAmerica West Sacramento

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 17:32
End Cal Date : 20-DEC-2010 14:34
Quant Method : ISTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:45 sv5.i
Curve Type : Average

Compound	5.000 Level 1	10.000 Level 2	20.000 Level 3	50.000 Level 4	80.000 Level 5	120.000 Level 6	160.000 Level 7	RRF	% RSD
30 Benzyl Alcohol	1.15199	1.11028	1.09679	1.06297	1.13394	1.17038	1.18688	1.13046	3.847
31 1,2-Dichlorobenzene	1.81516	1.59376	1.64563	1.59601	1.63224	1.68452	1.67892	1.66375	4.551
32 2-Methylphenol	1.52084	1.46158	1.60289	1.48651	1.54994	1.58123	1.60072	1.54339	3.621
33 2,2'-oxybis(1-Chloropropane)	3.34773	3.30558	3.31729	3.20840	3.26362	3.38196	3.36215	3.31239	1.821
34 4-Methylphenol	1.62310	1.54473	1.60348	1.53743	1.62989	1.68431	1.68689	1.61569	3.691
36 Hexachloroethane	0.71609	0.69109	0.69894	0.69821	0.72041	0.73550	0.72087	0.71159	2.233
37 N-Nitrosodinpropylamine	1.35542	1.33855	1.31319	1.25628	1.27305	1.33580	1.33147	1.31482	2.795
42 Nitrobenzene	0.39664	0.37709	0.39241	0.36831	0.38828	0.39043	0.39014	0.38619	2.564
44 Isophorone	0.66651	0.71726	0.68802	0.69045	0.72311	0.73475	0.71698	0.70530	3.418
45 2-Nitrophenol	0.14619	0.14864	0.15977	0.16086	0.17504	0.18429	0.18774	0.16608	9.978
46 2,4-Dimethyphenol	0.34379	0.37368	0.36225	0.36430	0.36526	0.38367	0.37361	0.36665	3.409

TestAmerica West Sacramento

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Last Edit : 20-Dec-2010 16:45 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	0.44578	0.44058	0.44248	0.42005	0.44735	0.45279	0.43814	0.44103	2.363
49 2,4-Dichlorophenol	0.24368	0.26158	0.26797	0.25363	0.27253	0.27413	0.27153	0.26358	4.306
50 Benzoic Acid	0.08537	0.10122	0.11167	0.13330	0.15383	0.17593	0.18543	0.13525	28.191
51 1,2,4-Trichlorobenzene	0.30070	0.30258	0.30449	0.29453	0.29982	0.31266	0.29563	0.30149	2.013
52 Naphthalene	1.18091	1.10045	1.06677	1.04853	1.10529	1.10922	1.09297	1.10059	3.794
54 4-Chloroaniline	0.43998	0.43668	0.43634	0.41512	0.44211	0.45061	0.44144	0.43747	2.500
57 Hexachlorobutadiene	0.14216	0.15923	0.15903	0.14725	0.14893	0.15570	0.14930	0.15165	4.263
60 4-Chloro-3-Methylphenol	0.28646	0.31741	0.29470	0.29143	0.31110	0.32295	0.32367	0.30682	5.107
63 2-Methylnaphthalene	0.65956	0.66445	0.66612	0.64633	0.68151	0.68131	0.67782	0.66816	1.944
66 Hexachlorocyclopentadiene	0.26765	0.29719	0.28760	0.28474	0.30003	0.31316	0.31825	0.29552	5.872
69 2,4,6-Trichlorophenol	0.27525	0.27383	0.28168	0.27921	0.29355	0.31103	0.31051	0.28929	5.532

TestAmerica West Sacramento

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Integrator : Falcon
Method file : \\SV5\C\chem\sv5.i\122010A.B\8270f.m
Last Edit : 20-Dec-2010 16:45 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
70 2,4,5-Trichlorphenol	0.32876	0.27281	0.31663	0.31924	0.33037	0.35047	0.34737	0.32366	7.984
71 2-Chloronaphthalene	1.14202	1.13771	1.13279	1.12022	1.13485	1.16916	1.15792	1.14210	1.439
73 2-Nitroaniline	0.33778	0.36810	0.36186	0.38171	0.42807	0.44508	0.46089	0.39764	11.781
76 Dimethylphthalate	1.28139	1.37183	1.32665	1.27165	1.33126	1.36015	1.35395	1.32813	2.914
77 Acenaphthylene	1.82512	1.87644	1.80048	1.80856	1.83429	1.89111	1.87303	1.84415	1.944
79 2,6-Dinitrotoluene	0.24142	0.24326	0.24407	0.27523	0.28658	0.29715	0.29979	0.26964	9.730
80 3-Nitroaniline	0.29907	0.31845	0.30637	0.33503	0.35118	0.36397	0.37561	0.33567	8.712
81 Acenaphthene	1.25828	1.22813	1.23662	1.22773	1.23266	1.25552	1.26669	1.24366	1.293
82 2,4-Dinitrophenol	0.06165	0.07585	0.07828	0.08339	0.09193	0.11285	0.12480	0.08982	24.566
83 Dibenzofuran	1.57485	1.57491	1.61366	1.56242	1.60950	1.63904	1.61489	1.59847	1.747
84 4-Nitrophenol	0.12907	0.13138	0.15589	0.14857	0.15449	0.18186	0.17678	0.15401	13.152

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
86 2,4-Dinitrotoluene	0.24963	0.26583	0.29762	0.33650	0.35729	0.38484	0.39731	0.32700	17.606
91 Fluorene	1.32265	1.27824	1.32607	1.31514	1.33238	1.36551	1.34407	1.32629	2.027
92 Diethylphthalate	1.30677	1.28747	1.31332	1.31501	1.31671	1.36624	1.35409	1.32280	2.084
93 4-Chlorophenyl-phenylether	0.54666	0.59728	0.58260	0.59564	0.58656	0.59431	0.58781	0.58441	2.992
94 4-Nitroaniline	0.26651	0.29778	0.29511	0.34068	0.34027	0.36254	0.34261	0.32079	10.745
97 4,6-Dinitro-2-methylphenol	0.05733	0.06732	0.06961	0.08547	0.09684	0.11197	0.11943	0.08685	27.180
98 N-Nitrosodiphenylamine	0.56997	0.58098	0.57176	0.59058	0.59444	0.60559	0.61747	0.59011	2.962
100 Azobenzene	0.98339	0.97406	0.96751	0.98563	0.99788	1.03515	1.01366	0.99390	2.387
101 4-Bromophenyl-phenylether	0.18993	0.20032	0.20124	0.20277	0.21466	0.21850	0.22206	0.20707	5.593
108 Hexachlorobenzene	0.25150	0.24702	0.22551	0.22079	0.22560	0.23160	0.23337	0.23363	4.936
110 Pentachlorophenol	0.09576	0.08522	0.09621	0.10045	0.10923	0.12027	0.12184	0.10414	13.026

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
114 Phenanthrene	1.25349	1.20984	1.20988	1.23199	1.21337	1.26894	1.24734	1.23355	1.922
115 Anthracene	1.14958	1.21883	1.18907	1.25164	1.22425	1.28737	1.29089	1.23023	4.167
118 Carbazole	1.14729	1.14211	1.10890	1.14151	1.10238	1.15323	1.16452	1.13713	2.018
120 Di-n-Butylphthalate	1.30869	1.27946	1.33166	1.35592	1.39610	1.51082	1.50713	1.38425	6.694
126 Fluoranthene	1.10998	1.13871	1.14149	1.15342	1.14469	1.20525	1.19637	1.15570	2.916
127 Benzidine	0.68350	0.69911	0.71036	0.76126	0.80842	0.87578	0.86144	0.77141	10.201
128 Pyrene	1.27965	1.28346	1.31624	1.31347	1.38111	1.45130	1.46458	1.35569	5.712
134 3,3'-dimethylbenzidine	0.64301	0.63788	0.66584	0.71429	0.75704	0.77793	0.79462	0.71294	9.159
136 Butylbenzylphthalate	0.56777	0.55680	0.59880	0.61114	0.64836	0.67649	0.67934	0.61981	8.004
138 Benzo(a)Anthracene	1.07072	1.04593	1.03424	1.06011	1.07660	1.12072	1.10238	1.07296	2.837
139 Chrysene	1.08454	1.09586	1.08895	1.07829	1.10463	1.10360	1.08899	1.09212	0.893

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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	0.37609	0.39954	0.38310	0.39555	0.42850	0.41886	0.44057	0.40603	5.894
141 bis(2-ethylhexyl)Phthalate	0.80833	0.77940	0.85477	0.84503	0.90772	0.94164	0.94361	0.86864	7.405
142 Di-n-octylphthalate	1.19705	1.24752	1.30116	1.31220	1.39451	1.48005	1.53594	1.35263	9.111
144 Benzo(b)fluoranthene	1.03868	0.96748	0.99479	1.10524	1.11698	1.16973	1.11022	1.07188	6.828
145 Benzo(k)fluoranthene	1.23672	1.20595	1.24833	1.14528	1.13819	1.21656	1.26117	1.20746	4.023
147 Benzo(e)pyrene	1.01610	1.00155	1.01084	1.05347	1.01591	1.08340	1.06519	1.03521	3.060
148 Benzo(a)pyrene	1.06015	1.05544	1.09297	1.09544	1.10580	1.15451	1.16216	1.10378	3.774
151 Indeno(1,2,3-cd)pyrene	0.86513	0.88724	0.85531	0.91985	0.94743	0.96700	0.92600	0.90971	4.604
152 Dibenzo(a,h)anthracene	0.92407	0.94059	0.95199	0.96811	1.00166	1.03632	1.03299	0.97939	4.576
153 Benzo(g,h,i)perylene	1.02421	1.00471	1.04569	0.98528	1.01170	1.02852	1.02598	1.01801	1.909
M 162 benzo b,k Fluoranthene Totals	2.27539	2.17343	2.24312	2.25052	2.25517	2.38629	2.37139	2.27933	3.296

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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
$ 7 2-Fluorophenol	1.60681	1.44842	1.51619	1.50454	1.53257	1.60022	1.59096	1.54282	3.825
$ 8 Phenol-d5	2.07391	1.88963	1.92840	1.89201	1.96488	2.00267	2.00734	1.96555	3.439
$ 9 2-Chlorophenol-d4	1.62633	1.66692	1.65225	1.64126	1.67131	1.74699	1.73351	1.67694	2.742
$ 10 1,2-Dichlorobenzene-d4	0.97939	0.98500	0.94941	0.94215	0.97686	0.99647	0.98822	0.97393	2.089
$ 11 Nitrobenzene-d5	0.35767	0.36190	0.35857	0.34906	0.36783	0.38220	0.37319	0.36435	3.021
$ 12 2-Fluorobiphenyl	1.27263	1.23466	1.26650	1.20687	1.23455	1.27930	1.25424	1.24982	2.065
$ 13 2,4,6-Tribromophenol	0.13602	0.14110	0.15503	0.14712	0.15770	0.16929	0.17216	0.15406	8.851
$ 14 Terphenyl-d14	0.77012	0.78761	0.79959	0.79306	0.83782	0.87907	0.88708	0.82205	5.653

Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
Organic Prep Log
8270 Air

Box # Arbor #292

Shared QC Batch: N/A

Shares QC With: N/A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTI

Internal COC:	
Delivered to Inst.:	12.20.10
Inst Receipt:	

Batch: 0351383

MS Run #:

Prep Date: 12/17/2010

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

Prep Reagents		
Reagent	Supplier	Lot #
1:1 DCM:Acetone	NA	N/A
DCM	Baker	J38303
Na2SO4	Baker	

Soxhlet time on: 18:15 (12/17/10) Soxhlet time off: 12:15 (12/18/10)

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size	Final Volume		Analysis Hold Time Expires
					1mL	Other	
G0L170000 - 383	B	MCJNQ1AA	12/20/2010	1.0	N	NA	1/22/2011
G0L170000 - 383	C	MCJNQ1AC	12/20/2010	1.0			1/22/2011
G0L170000 - 383	L	MCJNQ1AD	12/20/2010	1.0			1/22/2011
G0L170472 - 1		MCG611AA	12/20/2010	1.0			1/22/2011
G0L170472 - 4		MCG7A1AA	12/20/2010	1.0			1/22/2011
G0L170472 - 7		MCG7J1AA	12/21/2010	1.0			1/23/2011
G0L170472 - 11		MCG741AA	12/21/2010	1.0			1/23/2011
G0L170472 - 14		MCG8A1AA	12/22/2010	1.0			1/24/2011
G0L170472 - 16		MCG8G1AA	12/22/2010	1.0			1/24/2011

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

Comments/NCMs:

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Surrogate Spike All Samples	500µL/10AIR035/ABN Surr	6/6/11	ECJ	JZ	12/17/10
Spike Mix LCS/LCSD~~/MS/MS~~ ECJ 12/17/10	1.0mL/10AIR035/8270 LCS Mix1	6/6/11	ECJ	JZ	12/17/10
Pre-Spike Standard All Samples~~/MB~~ ECJ 12/17/10	250µL/10AIR029/1,2-DCB-d4	4/19/11	ECJ	JZ	12/17/10
Internal Standard All Samples	2ml 10MSSV00438	11-19-11	VT	RY	12-20-10
Soxhlet Extraction Analyst/Date	ECJ 12/17/10	Concentration Analyst/Date	SV 12.20.10	KD Analyst/Date	SV 12.20
Liq Liq Extraction Analyst/Date	N/A	KD Temp 81		Review Analyst/Date	

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/20/10
Time: 17:45:48

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

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

Extractionist: 403162 erica X. larson

Concentrationist: 090182 Steve Valmores

Reviewer/Date: VALMORES / 12/20/10

QC BATCH: 0351383

PREP DATE: 12/17/10 16:00
COMP DATE: 12/20/10 17:00

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

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/20/10	12/28/10	G0L170472-001 **MCG61-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/20/10	12/28/10	G0L170472-004 **MCG7A-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/21/10	12/28/10	G0L170472-007 **MCG7J-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/21/10	12/28/10	G0L170472-011 **MCG74-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/22/10	12/28/10	G0L170472-014 **MCG8A-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/22/10	12/28/10	G0L170472-016 **MCG8G-1-AA**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	500UL/10AIR0135/ABN SURR
COMMENTS:															
12/20/10	0/00/00	G0L170000-383 **MCJNQ-1-AAB**		11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	250UL/10AIR0128/12DCB-D4 500UL/10AIR0135/ABN SURR
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/20/10
Time: 17:45:48

QC BATCH: 0351383

PREP DATE: 12/17/10 16:00
COMP DATE: 12/20/10 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/20/10	0/00/00	G0L170000-383 **MCJNQ-1-ACC**		11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0136/LCS SPIK 500UL/10AIR0135/ABN SURR
COMMENTS:															
12/20/10	0/00/00	G0L170000-383 **MCJNQ-1-ADL**	R	11	JZ	AIR	1 1.00mL	NA	NA	NA	DCM	700.0		.0	1.0ML/10AIR0136/LCS SPIK 500UL/10AIR0135/ABN SURR
COMMENTS:															

SAMPLE LOC: AIRTOX # 292

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

NUMBER OF WORK ORDERS IN BATCH: 9

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0351383 **Test:** TO-13

Prep Date: 12/17/10 **Holding Times:** 12/20/10 **NCM:** Y (N)

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

Spike witness: JZ Date: 12/17/10

2nd Level Reviewer: MAT Date: 12/20/10

Comments:

TestAmerica West Sacramento

GC/MS Data Review Checklist

Batch: 0351383 **Method ID:** Semivolatile Organics by GCMS in Air (TO-13A)

NCM: (Y) N Lot 20 GoL170472

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

Analyst: _____ Date: 12/23/10

2nd Level Reviewer: _____ Date: 12/23/10

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\20DE10C3D5TO9G.qld

Last Altered: Wednesday, December 22, 2010 12:56:30 Pacific Standard Time
Printed: Wednesday, December 22, 2010 13:04:13 Pacific Standard Time

V8 12.22.6

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_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.70	1.000	4144919.00	4000.0000	4000.0000	100.0	2.7148	0.780	0.770	NO
2														
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	5203693.00	3775.9418	3775.9418	94.4	2.0242	0.792	0.770	NO
4	2,3,7,8-TCDF	303.9016	0.50000	18.20	18.16	0.972	184.53	0.1460	~~0.0577~~		0.3486	0.208	0.770	YES
5	Total TCDFs	303.9016	0.50000		21.44	0.972		1.8589	~~1.3018~~		~~0.3486~~			
6									0.81 ✓					
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	3538052.00	3836.6706	3836.6706	95.9	3.0506	0.758	0.770	NO
8	2,3,7,8-TCDD	319.8965	0.50000		18.93	1.009			ND		0.6550		0.770	
9	Total TCDDs	319.8965	0.50000		19.55	1.009		2.5279	2.1208 ✓		0.6550			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	982828.94	1711.0328	0.0000	106.9	0.9807			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.52	23.54	0.971	4012373.13	3988.9571	3988.9571	99.7	2.9863	1.591	1.550	NO
14	1,2,3,7,8-PeCDF	339.8597	0.50000		23.55	1.069			ND		0.5635		1.550	
15	2,3,4,7,8-PeCDF	339.8597	0.50000		24.96	1.028			ND		0.5858		1.550	
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049					~~0.2702~~			
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049					~~0.1842~~	0.58 DL		
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.75	0.715	2995277.38	4041.4523	4041.4523	101.0	2.9361	1.597	1.550	NO
20	1,2,3,7,8-PeCDD	355.8546	0.50000		25.73	0.884			ND		0.9207		1.550	
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		1.1620	~~0.9796~~		0.9207			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.68	32.74	1.000	2959501.13	4000.0000	4000.0000	100.0	4.6277	1.216	1.240	NO
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.34	31.36	1.084	2946880.13	3672.9684	3672.9684	91.8	4.4440	0.521	0.510	NO
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.40	31.37	1.219	153.54	0.1710	~~0.1961~~		0.4025	0.787	1.240	YES
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000		31.50	1.396			ND		0.3513		1.240	
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000		32.14	1.237			ND		0.3963		1.240	
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.88	32.85	1.078	146.05	0.1839	~~0.1657~~		0.4549	0.996	1.240	YES
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		0.9253	~~0.6245~~		~~0.3979~~			
31									0.45 DL					

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32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.38	32.38	0.894	2678995.00	4048.0048	4048.0048	101.2	5.1736	1.257	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.33	32.32	1.028	163.06	0.2369	~~0.0606~~		0.4819	7.760	1.240	YES	22-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.40	32.40	1.111	249.10	0.3349	~~0.0980~~		0.4459	6.658	1.240	YES	22-Dec-10
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.66	32.69	1.113	1228.30	1.6481	1.5133 JQ		0.4450	1.439	1.240	YES	22-Dec-10
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		2.8786	~~1.7763~~ 1.51		~~0.4570~~				
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.22	34.20	0.881	2386331.44	3661.7632	3661.7632	91.5	6.3678	0.443	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.21	34.23	1.402	3463.45	4.1418	1.7154 JQ		0.3690	3.926	1.040	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.38	35.34	1.199	314.92	0.4402	~~0.0625~~		0.4313	13.404	1.040	YES	
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		4.5821	~~1.7777~~ 1.71		~~0.3977~~				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.04	35.01	0.857	2242508.88	3535.0091	3535.0091	88.4	6.0493	1.073	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.06	35.05	0.981	1038.99	1.8890	1.4133 JQ		0.5737	0.617	1.040	YES	
45	Total HpCDDs	423.7766	0.50000		-0.04	0.981		6.1897	~~5.2982~~ 4.84		0.5737				
46															
47	13C-OCDD	469.7779	0.50000	37.51	37.44	0.643	3390712.88	7125.4009	7125.4009	89.1	7.0454	0.946	0.890	NO	
48	OCDF	441.7428	0.50000	37.60	37.61	1.477	282.46	0.4512	~~0.1036~~		0.8547	7.234	0.890	YES	
49	OCDD	457.7377	0.50000	37.52	37.52	1.196	2374.01	4.6825	4.3699 JQ		0.6476	1.025	0.890	YES	
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 PCDPE	375.8364	1.00000		20.25	17.814					0.0000				
58	F1 PeCDF PCDPE	409.79740	1.00000		19.31	97.109					0.0000				
59	F2 PeCDF PCDPE	409.7974	1.00000		28.29	51.063					0.0000				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000		34.27	39.173					0.0000				
62	OCDF PCDPE	513.67750	1.00000	39.16	39.16	27.302	10.88	0.3984		39.8	0.1997				

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Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

Total TCDFs

	5 Total TCDFs	303.9016	15.59	1023.367	0.8097	0.8097	0.97151	0.3486	0.848	0.770	NO 8.699
	5 Total TCDFs	303.9016	20.12	710.360	0.5621	0.3408	0.97151	0.3486	1.919	0.770	YES 4.686
	5 Total TCDFs	303.9016	18.72	431.070	0.3411	0.0936	0.97151	0.3486	0.135	0.770	YES 4.562
	4 2,3,7,8-TCDF	303.9016	18.20	184.528	0.1460	0.0577	0.97151	0.3486	0.208	0.770	YES 3.475

Total TCDDs

	9 Total TCDDs	319.8965	20.09	1159.483	1.2995	1.0207	1.00877	0.6550	1.253	0.770	YES 4.461
	9 Total TCDDs	319.8965	16.56	1096.065	1.2284	1.1001	1.00877	0.6550	0.976	0.770	YES 6.053

Total F2 PeCDFs

Total F1 PeCDFs

Total PeCDDs

	2. Total PeCDDs	355.8546	26.83	592.501	0.8950	0.7977	0.88408	0.9207	1.861	1.550	YES 5.902
	2. Total PeCDDs	355.8546	24.15	95.089	0.1436	0.1312	0.88408	0.9207	1.793	1.550	YES 1.802
	2. Total PeCDDs	355.8546	22.35	81.643	0.1233	0.0507	0.88408	0.9207	5.198	1.550	YES 1.372

Total HxCDFs

	2. 1,2,3,7,8,9-Hx...	373.8208	32.88	146.052	0.1839	0.1657	1.07822	0.4549	0.996	1.240	YES 3.122
	2. 1,2,3,4,7,8-Hx...	373.8208	31.40	153.539	0.1710	0.1361	1.21851	0.4025	0.787	1.240	YES 2.835
	3. Total HxCDFs	373.8208	32.96	518.004	0.5704	0.3227	1.23262	0.3979	2.960	1.240	YES 4.481

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Total HxCDDs

3. Total HxCDDs	389.8157	31.48	478.050	0.6587	0.1044	1.08365	0.4570	13.128	1.240	YES 1.614
3. 1,2,3,7,8,9-Hx...	389.8157	32.66	1228.303	1.6481	1.5133	1.11276	0.4450	1.439	1.240	YES 5.380
3. 1,2,3,6,7,8-Hx...	389.8157	32.40	249.101	0.3349	0.0980	1.11052	0.4459	6.658	1.240	YES 1.365
3. 1,2,3,4,7,8-Hx...	389.8157	32.33	163.060	0.2369	0.0606	1.02768	0.4819	7.760	1.240	YES 0.514

Total HpCDFs

4. 1,2,3,4,7,8,9-H...	407.7818	35.38	314.920	0.4402	0.0623	1.19912	0.4313	13.404	1.040	YES 1.337
3. 1,2,3,4,6,7,8-H...	407.7818	34.21	3463.448	4.1418	1.7154	1.40167	0.3690	3.926	1.040	YES 14.668

Total HpCDDs

4. 1,2,3,4,6,7,8-H...	423.7766	35.06	1038.993	1.8890	1.4133	0.98108	0.5737	0.617	1.040	YES 19.577
4. Total HpCDDs	423.7766	34.48	1884.176	3.4256	3.4256	0.98108	0.5737	0.914	1.040	NO 28.084
4. Total HpCDDs	423.7766	34.23	481.309	0.8751	0.4593	0.98108	0.5737	2.887	1.040	YES 6.189

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

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:44 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_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.70	1.00000	4144919.00	4000.0000	4000.0000	100.0	2.71480	0.78	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993	5203693.00	3775.9418	3775.9418	94.4	2.02417	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.20	18.16	0.97151	184.53	0.1460	~~0.0577~~		0.34857	0.21	YES	
5	Total TCDFs	303.9016	0.500		21.44	0.97151		1.8589	~~1.9018~~ 0.81 ✓		~~0.34857~~			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993	3538052.00	3836.6706	3836.6706	95.9	3.05059	0.76	NO	
8	2,3,7,8-TCDD	319.8965	0.500		18.93	1.00877			ND		0.65498		NO	
9	Total TCDDs	319.8965	0.500		19.55	1.00877		2.5279	2.1208 ✓		0.65498			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940	982828.94	1711.0328	0.0000	106.9	0.98074			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.52	23.54	0.97070	4012373.13	3988.9571	3988.9571	99.7	2.98629	1.59	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500		23.55	1.06912			ND		0.56349		NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500		24.96	1.02843			ND		0.58579		NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877					~~0.27023~~			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877					~~0.18418~~ 0.58 DL			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.75	0.71523	2995277.38	4041.4523	4041.4523	101.0	2.93612	1.60	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		25.73	0.88408			ND		0.92074		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408		1.1620	~~0.9796~~		0.92074			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.00000	2959501.13	4000.0000	4000.0000	100.0	4.62767	1.22	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.08439	2946880.13	3672.9684	3672.9684	91.8	4.44395	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.40	31.37	1.21851	153.54	0.1710	~~0.1361~~		0.40252	0.79	YES	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500		31.50	1.39626			ND		0.35128		NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500		32.14	1.23749			ND		0.39635		NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.88	32.85	1.07822	146.05	0.1839	~~0.1657~~		0.45489	1.00	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262		0.9253	~~0.6245~~ 0.45 DL		~~0.39791~~			
31														

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	% Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.89448	2678995.00	4048.0048	4048.0048	101.2	5.17356	1.26	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.66	32.32	1.02768	699.90	1.0169	1.0169 J		0.48185	1.40	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.70	32.40	1.11052	367.36	0.4939	0.2464		0.44591	3.49	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500		32.69	1.11276					0.44501		NO	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365		2.1695	1.3677		0.45696			
37	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.88081	2386331.44	3661.7632	3661.7632	91.5	6.36780	0.44	NO	
38	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.21	34.23	1.40167	3463.45	4.1418	1.7154 JQ		0.36898	3.93	YES	
39	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.38	35.34	1.19912	314.92	0.4402	~~0.0623~~		0.43131	13.40	YES	
40	Total HpCDFs	407.7818	0.500		0.00	1.30039		4.5821	~~1.7777~~ 1.71 ✓		0.39772			
41	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	35.01	0.85740	2242508.88	3535.0091	3535.0091	88.4	6.04933	1.07	NO	
42	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.06	35.05	0.98108	1038.99	1.8890	1.4133 JQ		0.57369	0.62	YES	
43	Total HpCDDs	423.7766	0.500		-0.04	0.98108		6.1897	~~5.2982~~ 4.84 ✓		~~0.57369~~			
44	13C-OCDD	469.7779	0.500	37.50	37.44	0.64317	3390712.88	7125.4009	7125.4009	89.1	7.04540	0.95	NO	
45	OCDF	441.7428	0.500	37.60	37.61	1.47706	282.46	~~0.4512~~	~~0.1036~~		0.85467	7.23	YES	
46	OCDD	457.7377	0.500	37.52	37.52	1.19620	2374.01	4.6825	4.3699 JQ		0.64764	1.03	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 PCDPE	375.8364	1.000		20.25	17.814...					0.00000			
58	F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109...					0.00000			
59	F2 PeCDF PCDPE	409.7974	1.000		28.29	51.062...					0.00000			
60	HXCDF PCDPE	445.7555	1.000		33.24	21.190...					0.00000			
61	HPCDF PCDPE	479.7165	1.000		34.27	39.173...					0.00000			
62	OCDF PCDPE	513.67750	1.000	39.16	39.16	27.302...	10.88	0.3984		39.8	0.19971			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:44 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_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382, Task:

Total TCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	5	Total TCDFs	303.9016	15.59	1023.367	0.8097	0.8097	0.97151	0.3486	0.848	0.770	NO	8.699
2	5	Total TCDFs	303.9016	20.12	710.360	0.5621	0.3408	0.97151	0.3486	1.919	0.770	YES	4.686
3	5	Total TCDFs	303.9016	18.72	431.070	0.3411	0.0936	0.97151	0.3486	0.136	0.770	YES	4.562
4	4	2,3,7,8-TCDF	303.9016	18.20	184.528	0.1460	0.0577	0.97151	0.3486	0.208	0.770	YES	3.475

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	9	Total TCDDs	319.8965	20.09	1159.483	1.2995	1.0207	1.00877	0.6550	1.253	0.770	YES	4.461
2	9	Total TCDDs	319.8965	16.56	1096.065	1.2284	1.1001	1.00877	0.6550	0.976	0.770	YES	6.053

Total F2 PeCDFs

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

Total F1 PeCDFs

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

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total PeCDDs	355.8546	26.83	592.501	0.8950	0.7977	0.88408	0.9207	1.861	1.550	YES	5.902
2	...	Total PeCDDs	355.8546	24.15	95.089	0.1436	0.1312	0.88408	0.9207	1.793	1.550	YES	1.802
3	...	Total PeCDDs	355.8546	22.35	81.643	0.1233	0.0507	0.88408	0.9207	5.198	1.550	YES	1.372

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	32.88	146.052	0.1839	0.1657	1.07822	0.4549	0.996	1.240	YES	3.122
2	...	1,2,3,4,7,8-Hx...	373.8208	31.40	153.539	0.1710	0.1361	1.21851	0.4025	0.787	1.240	YES	2.835
3	...	Total HxCDFs	373.8208	32.96	518.004	0.5704	0.3227	1.23262	0.3979	2.960	1.240	YES	4.481

	#	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	31.48	478.050	0.6587	0.1044	1.08365	0.4570	13.128	1.240	YES	1.614
2	...	1,2,3,6,7,8-Hx...	389.8157	32.70	367.358	0.4939	0.2464	1.11052	0.4459	3.490	1.240	YES	3.502
3	...	1,2,3,4,7,8-Hx...	389.8157	32.66	699.902	1.0169	1.0169	1.02768	0.4819	1.404	1.240	NO	4.762

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:44 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382, Task:

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

Total HpCDFs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio?	S/N
1	...	1,2,3,4,7,8,9-H...	407.7818	35.38	314.920	0.4402	0.0623	1.19912	0.4313	13.404	1.040	YES	1.337
2	...	1,2,3,4,6,7,8-H...	407.7818	34.21	3463.448	4.1418	1.7154	1.40167	0.3690	3.926	1.040	YES	14.668

Total HpCDDs

	#	Name	Trace	RT	Abs.Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio?	S/N
1	...	1,2,3,4,6,7,8-H...	423.7766	35.06	1038.993	1.8890	1.4133	0.98108	0.5737	0.617	1.040	YES	19.577
2	...	Total HpCDDs	423.7766	34.48	1884.176	3.4256	3.4256	0.98108	0.5737	0.914	1.040	NO	28.084
3	...	Total HpCDDs	423.7766	34.23	481.309	0.8751	0.4593	0.98108	0.5737	2.887	1.040	YES	6.189

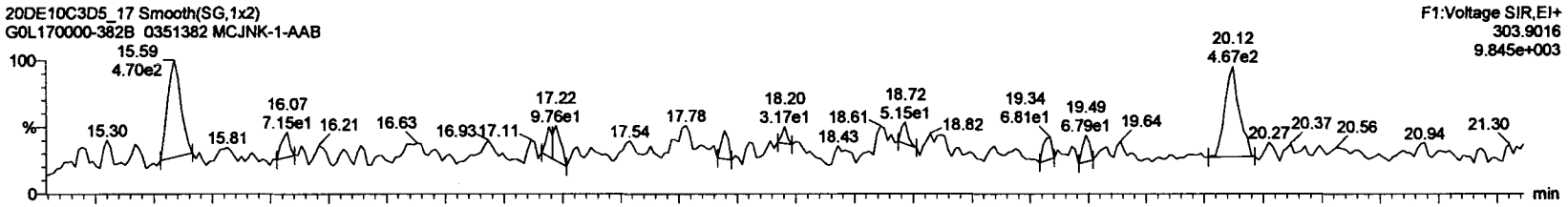
Quantify Sample Report **MassLynx 4.1**

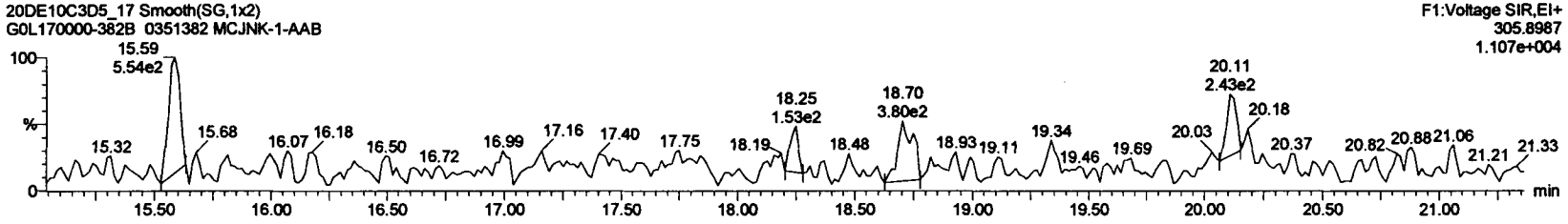
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

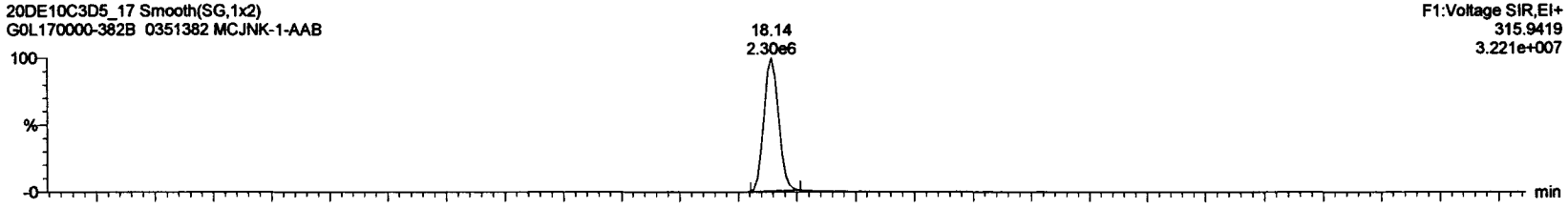
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

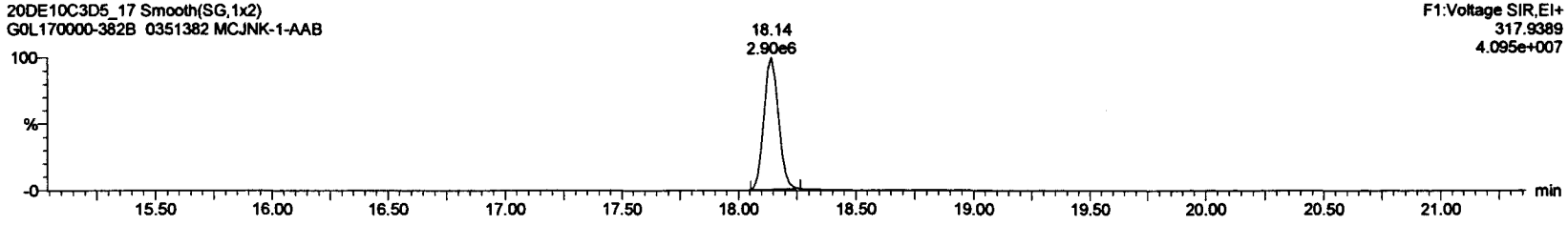
TCDFs





13C-TCDF





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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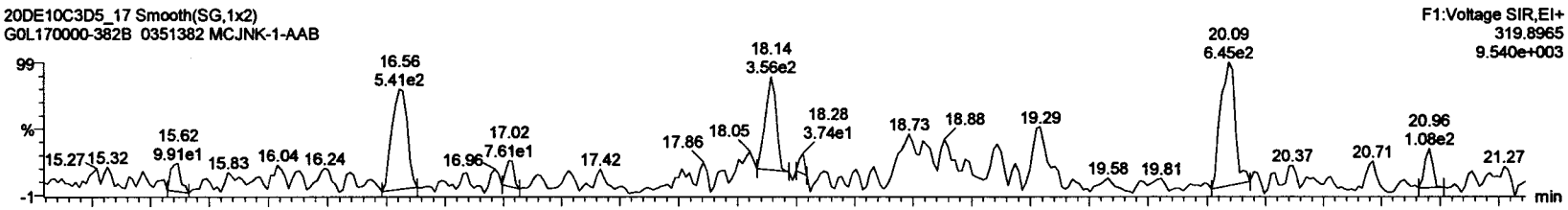
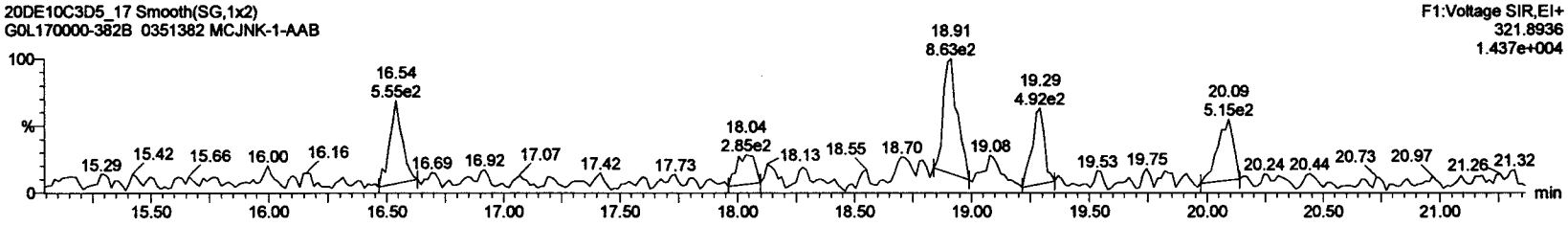
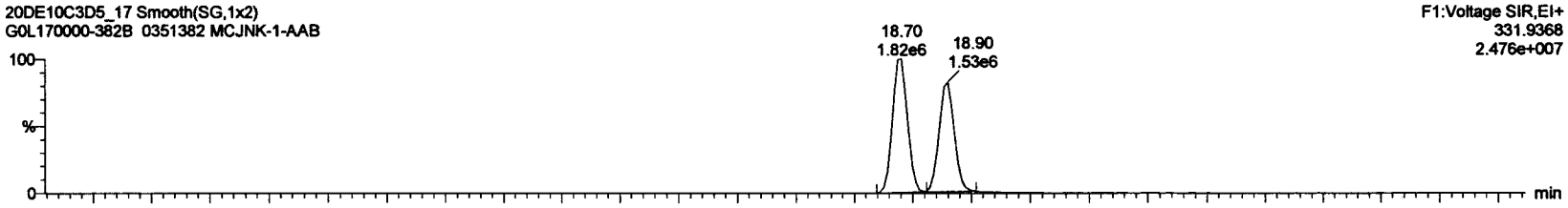
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

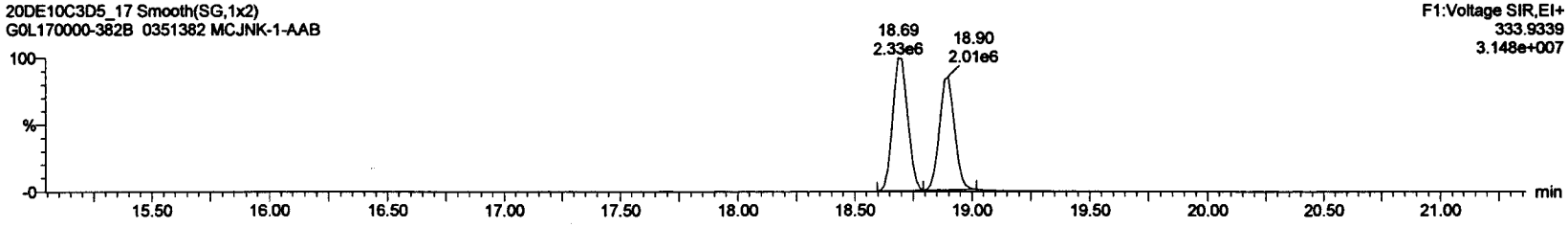
TCDDs





13C-TCDDs





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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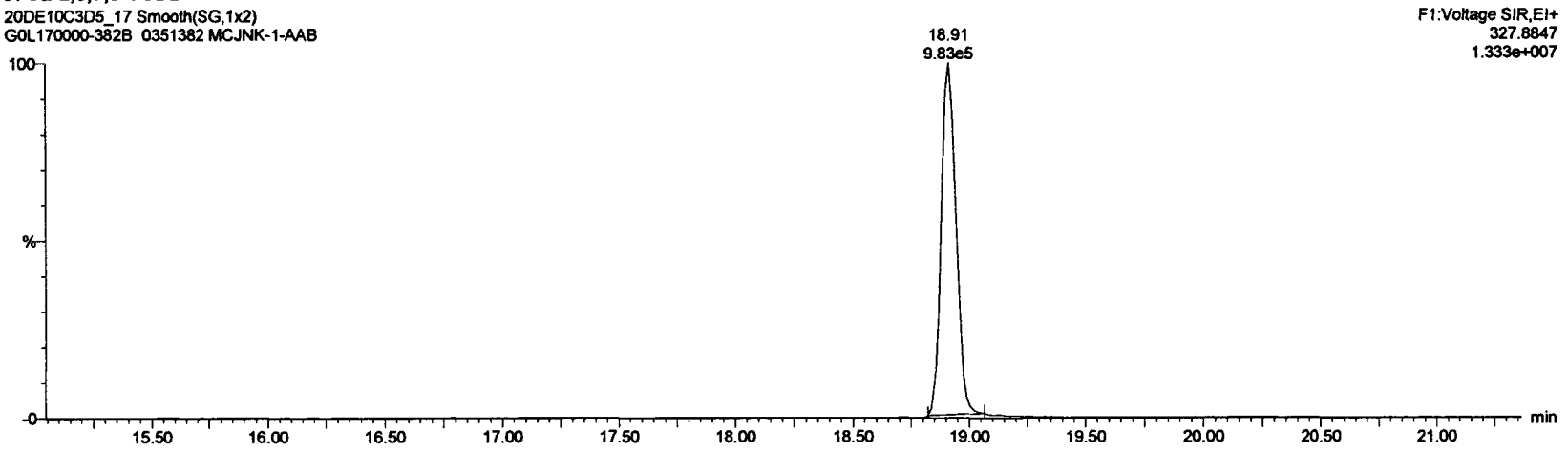
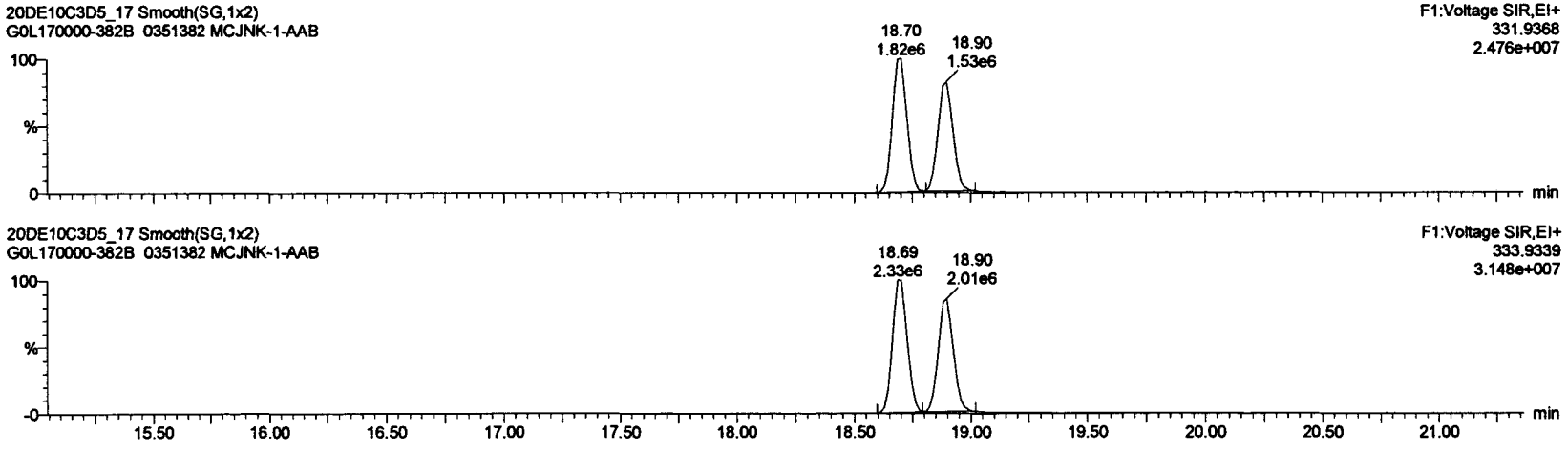
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

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



13C-TCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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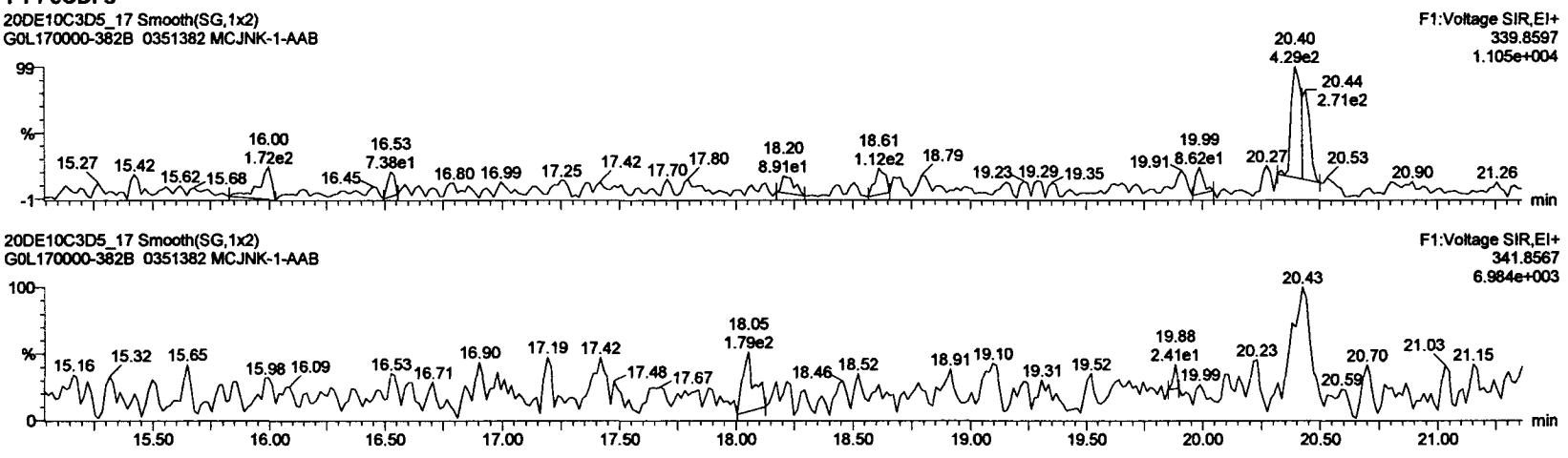
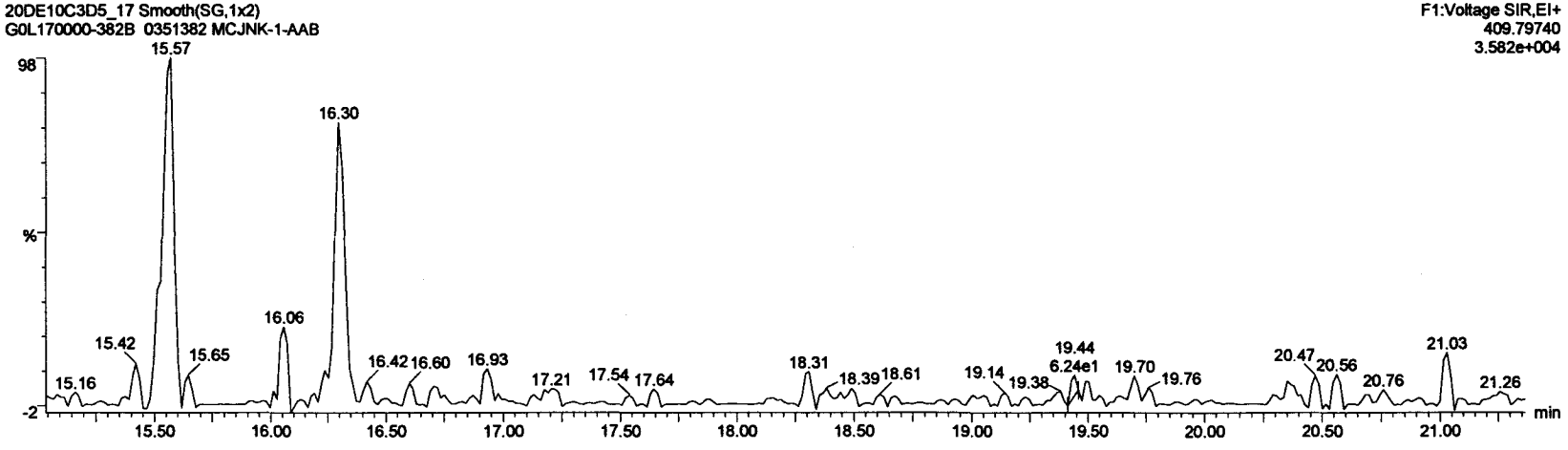
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

F1 PeCDFs



F1 PeCDF PCDPE



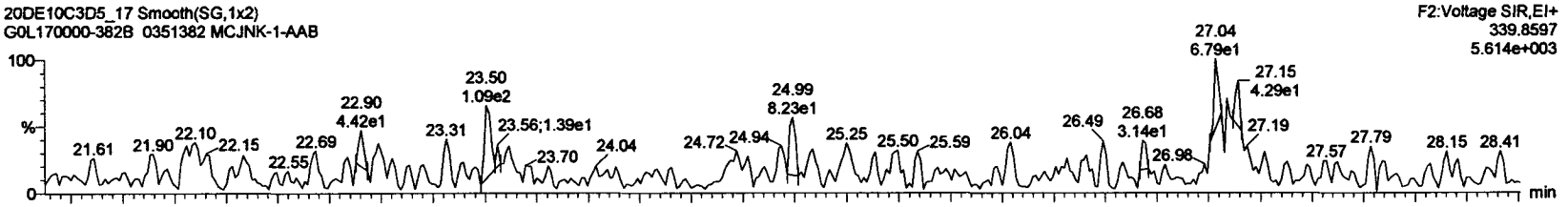
Quantify Sample Report **MassLynx 4.1**

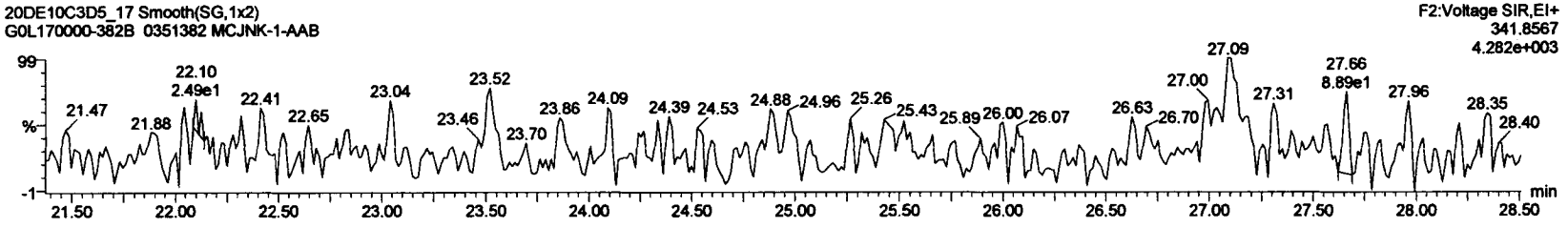
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

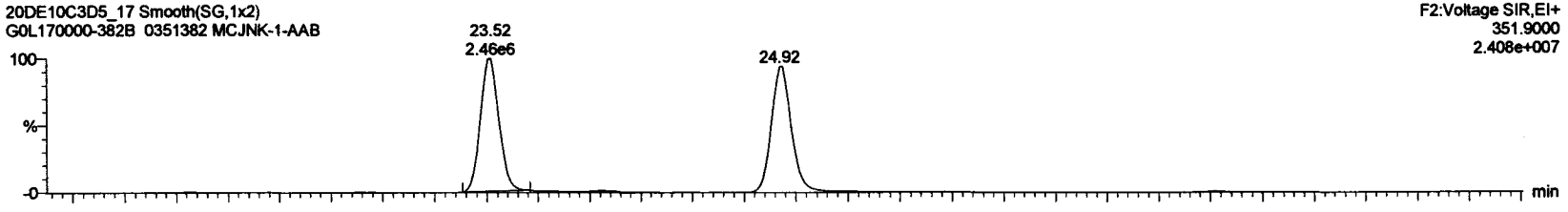
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

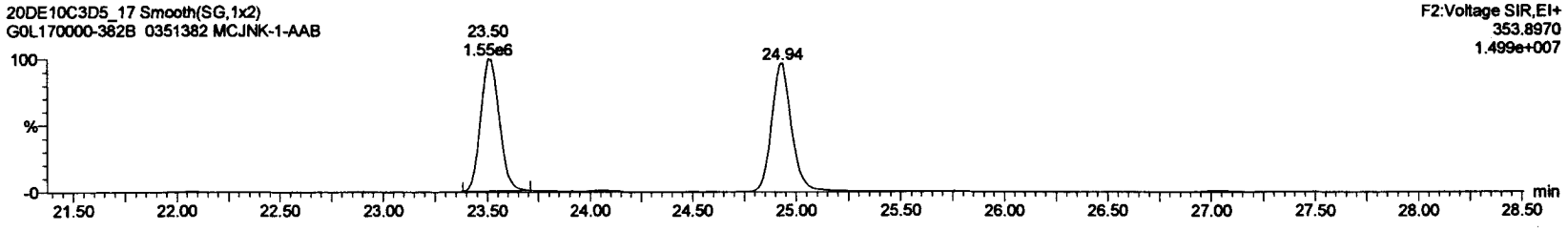
PeCDFs





13C-PeCDFs





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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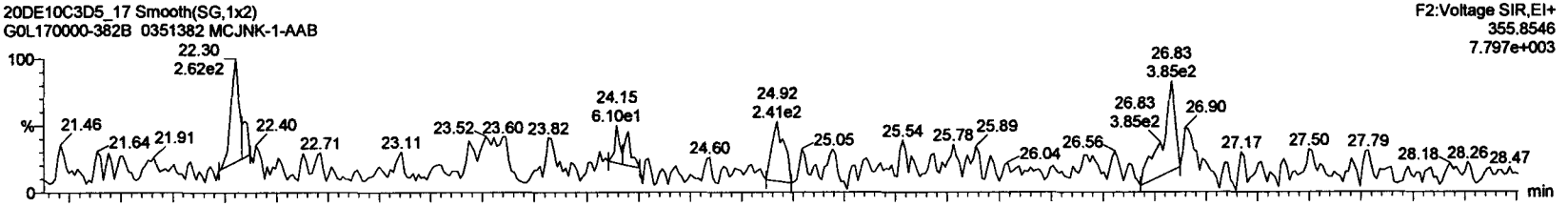
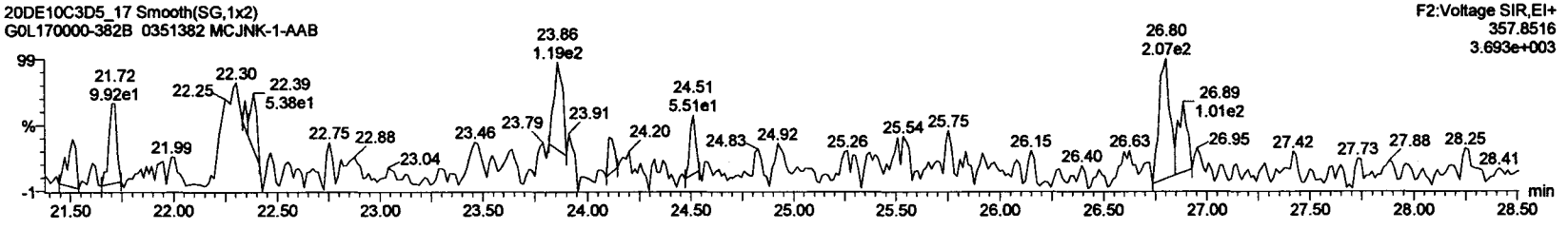
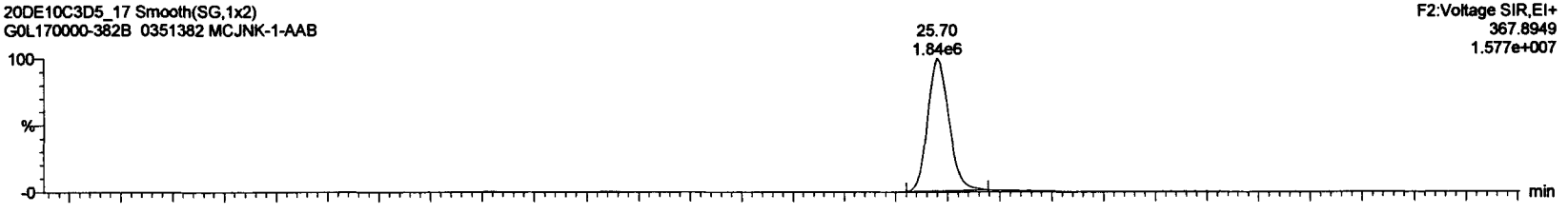
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

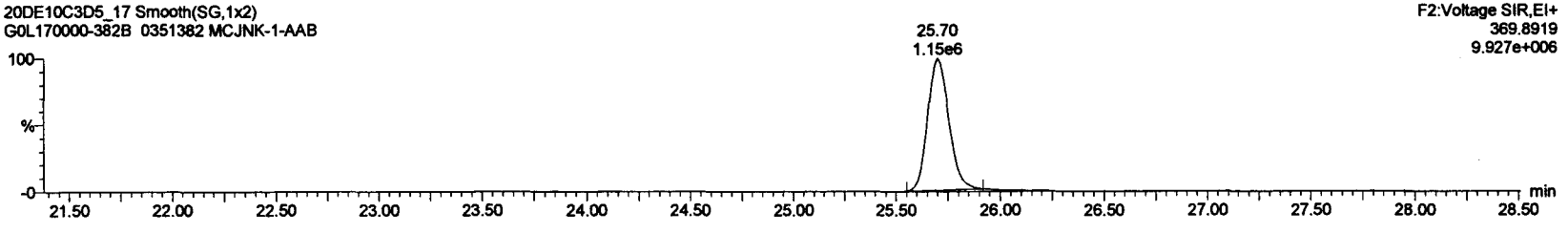
PeCDDs





13C-PeCDD





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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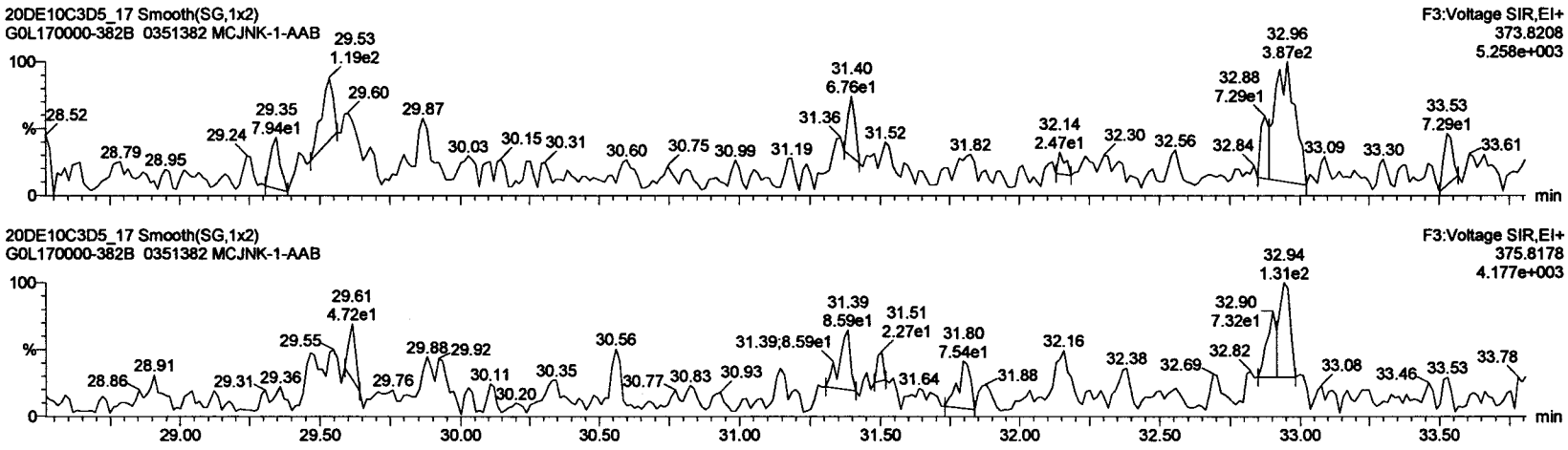
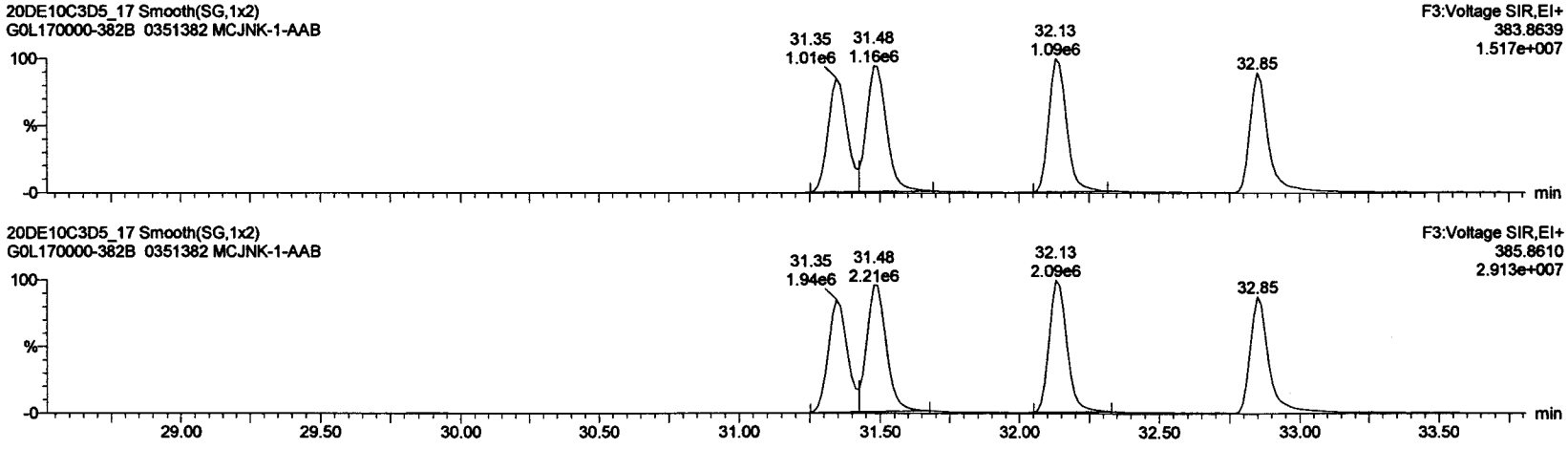
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

HxCDFs



13C-HxCDFs



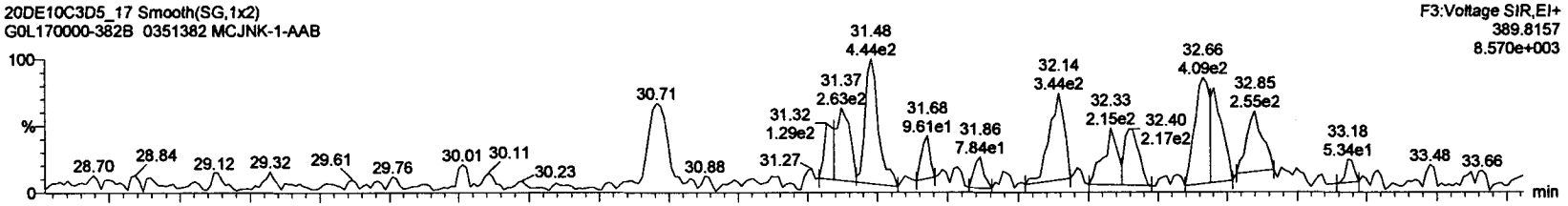
Quantify Sample Report **MassLynx 4.1**

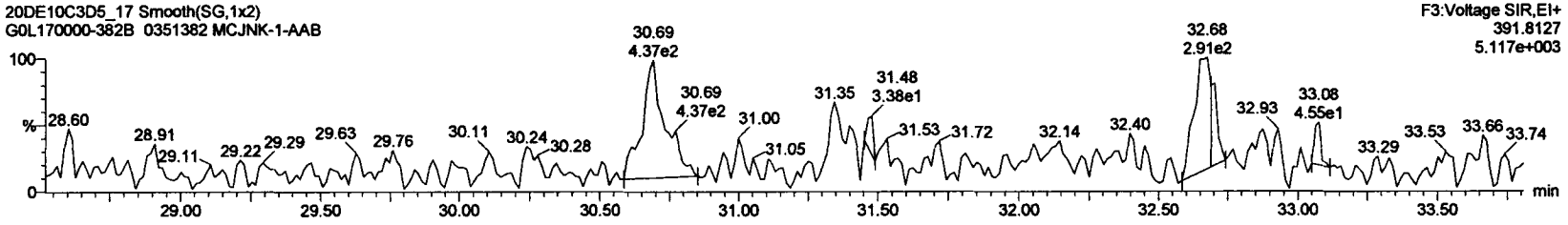
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

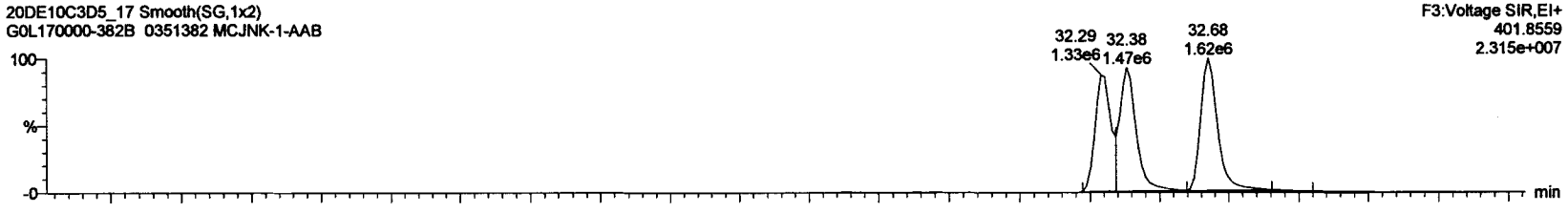
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

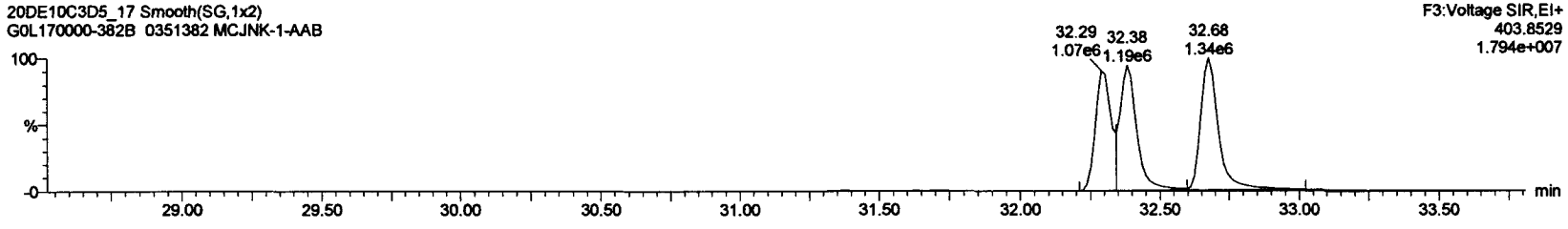
HxCDDs





13C-HxCDDs





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

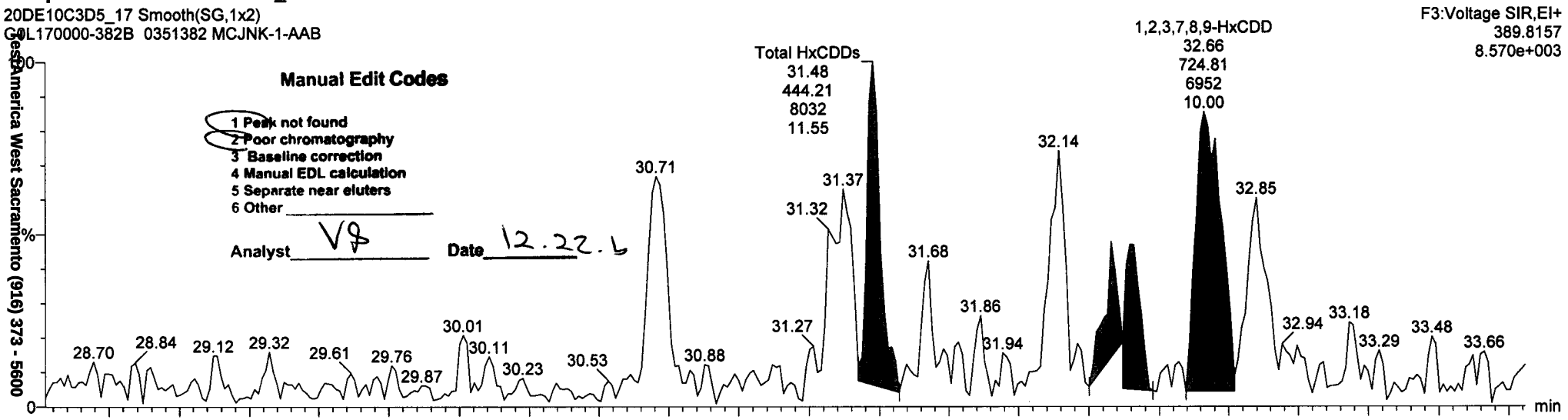
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9G.qld

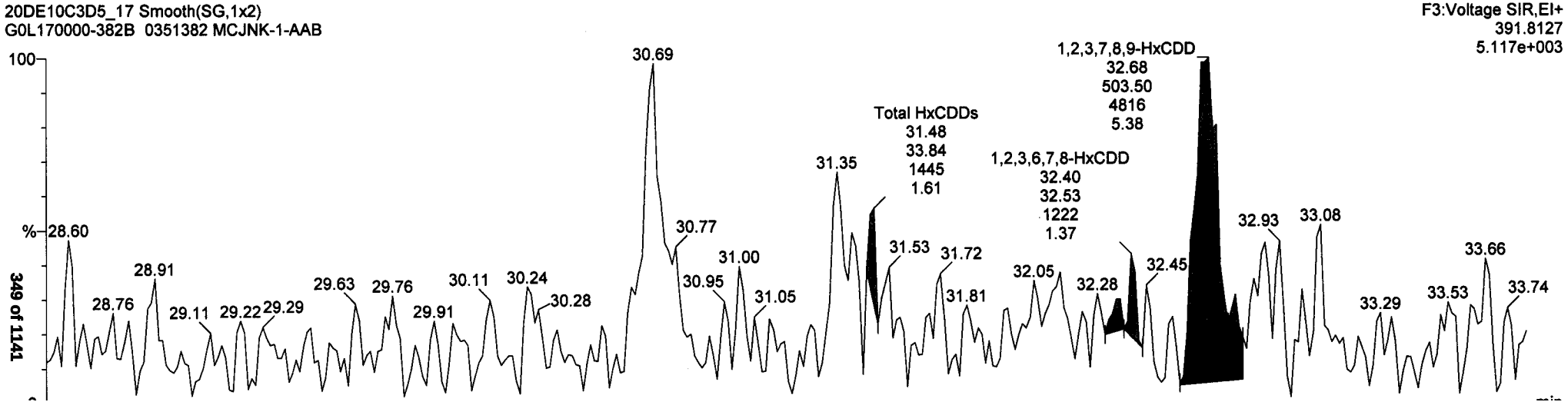
Last Altered: Wednesday, December 22, 2010 12:56:30 Pacific Standard Time
Printed: Wednesday, December 22, 2010 13:03:58 Pacific Standard Time

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 HxCDDs, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_17





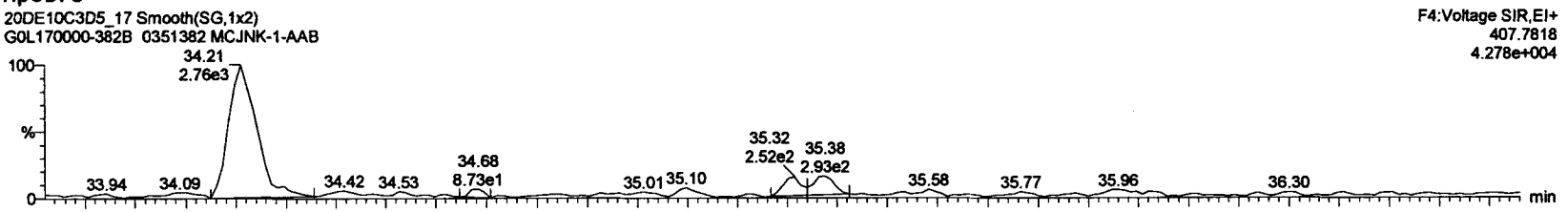
Quantify Sample Report **MassLynx 4.1**

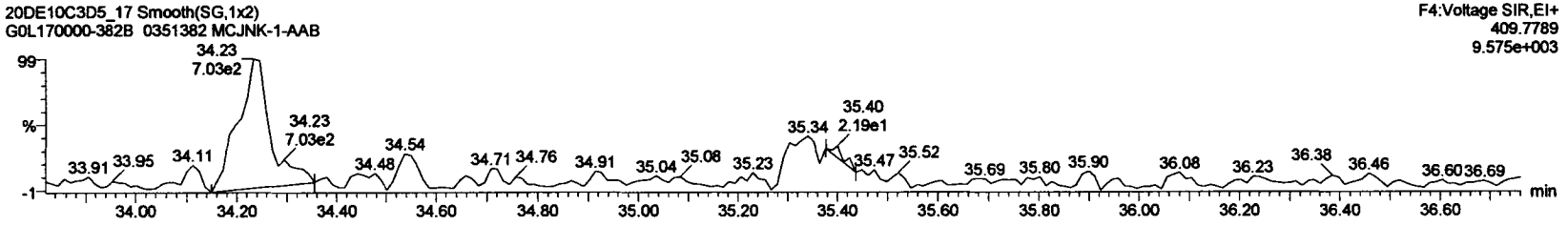
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

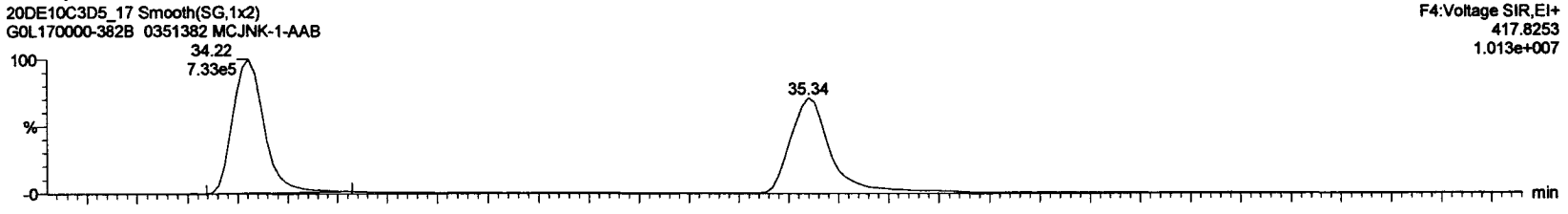
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

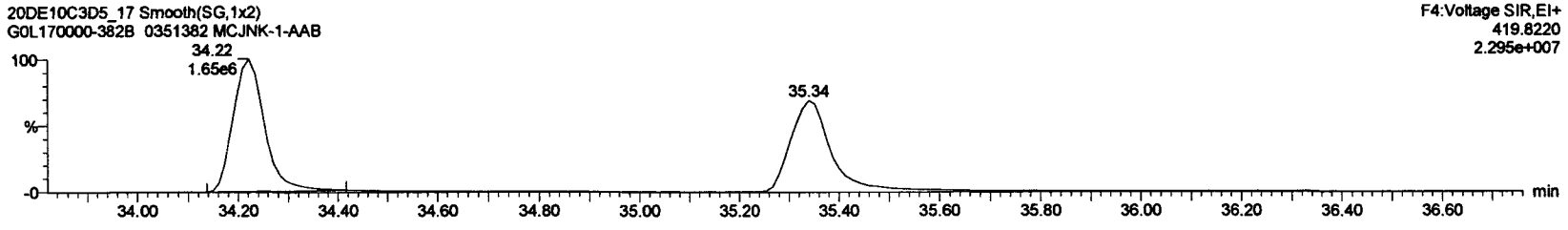
HpCDFs





13C-HpCDFs





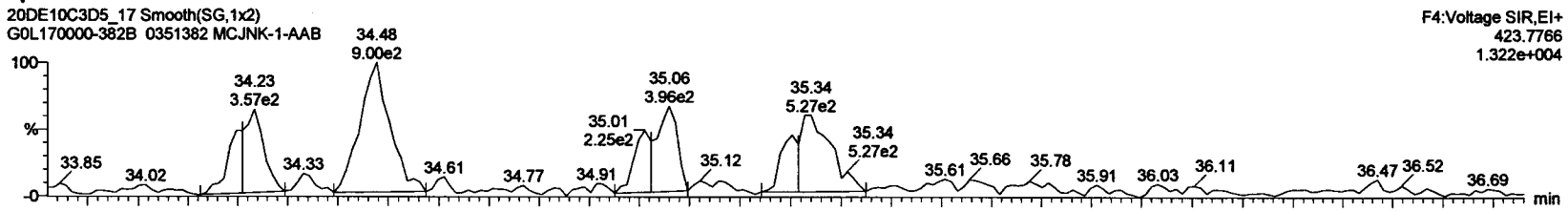
Quantify Sample Report **MassLynx 4.1**

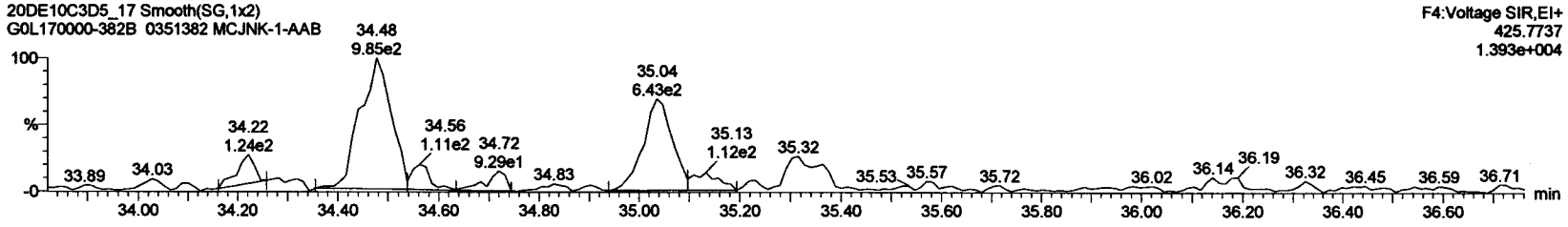
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

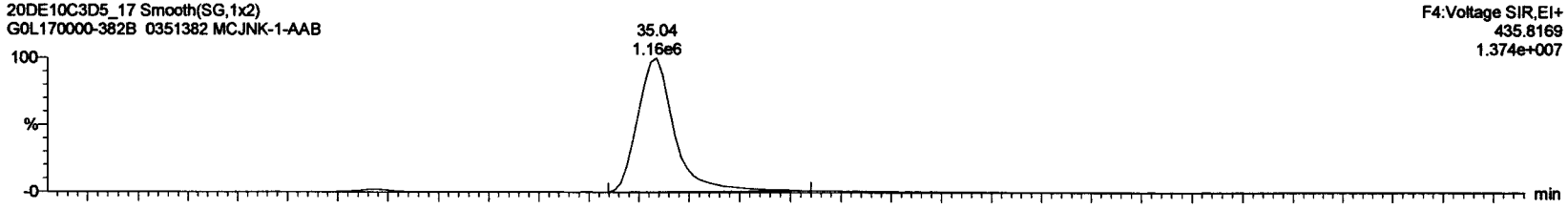
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

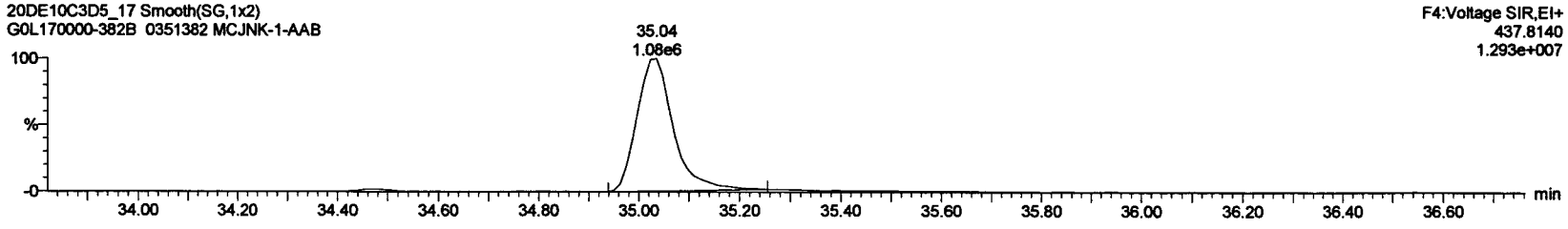
HpCDDs





13C-HpCDD





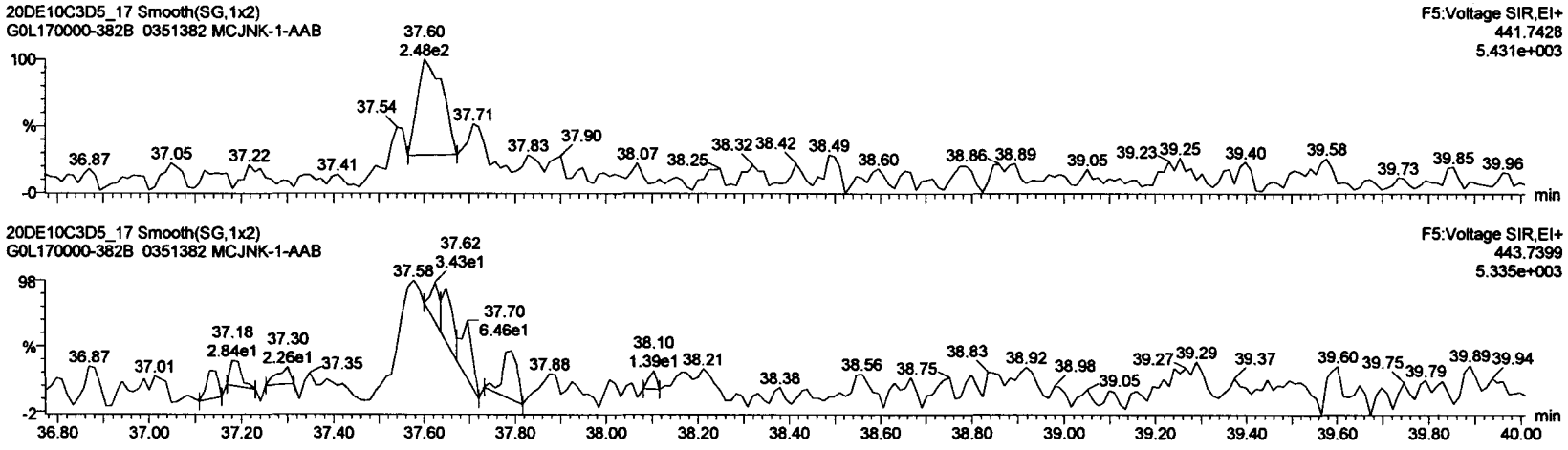
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

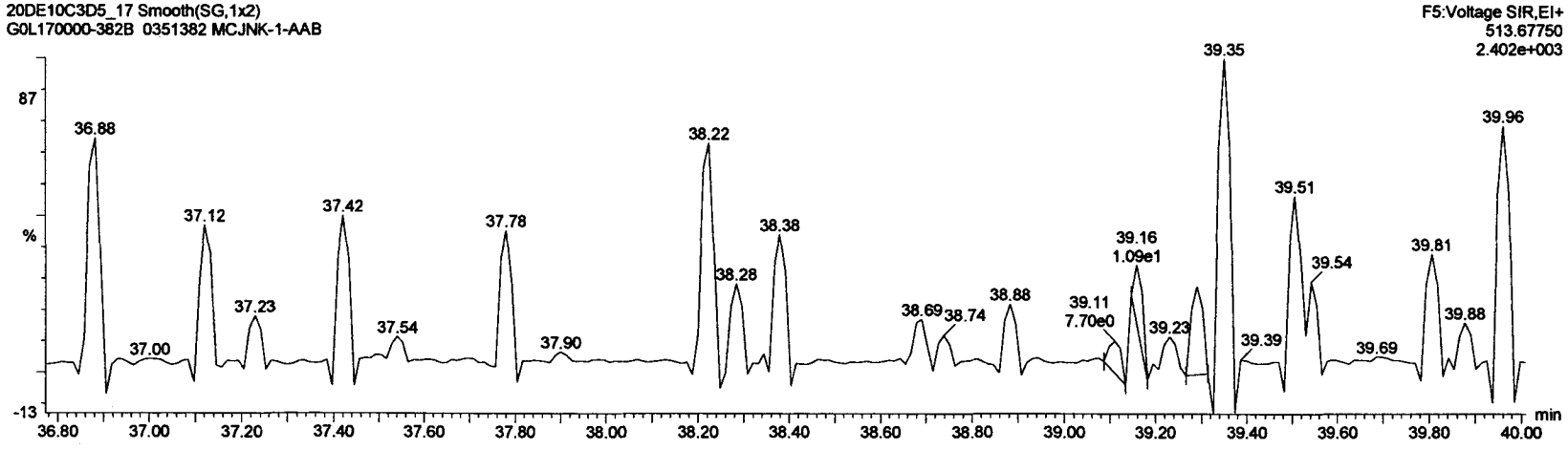
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

OCDFs



OCDF PCDPE



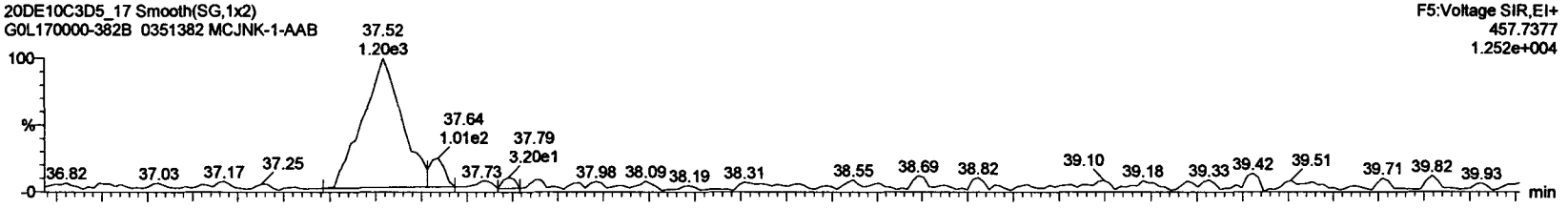
Quantify Sample Report **MassLynx 4.1**

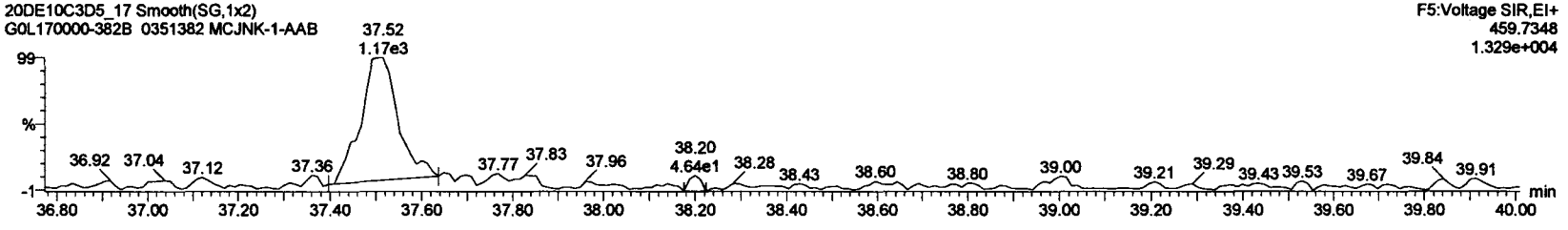
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

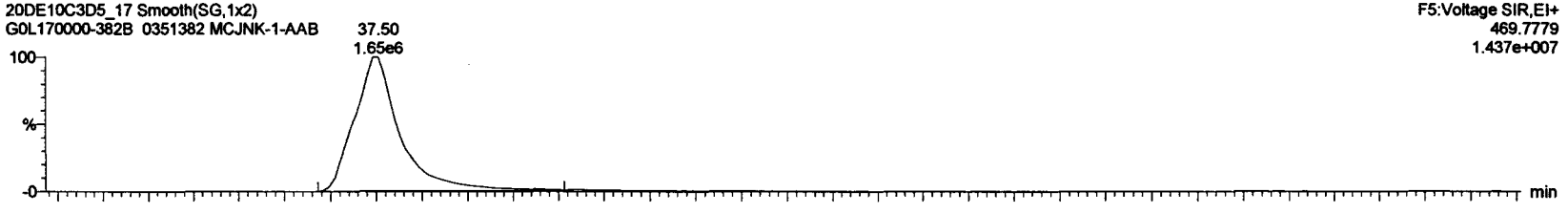
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

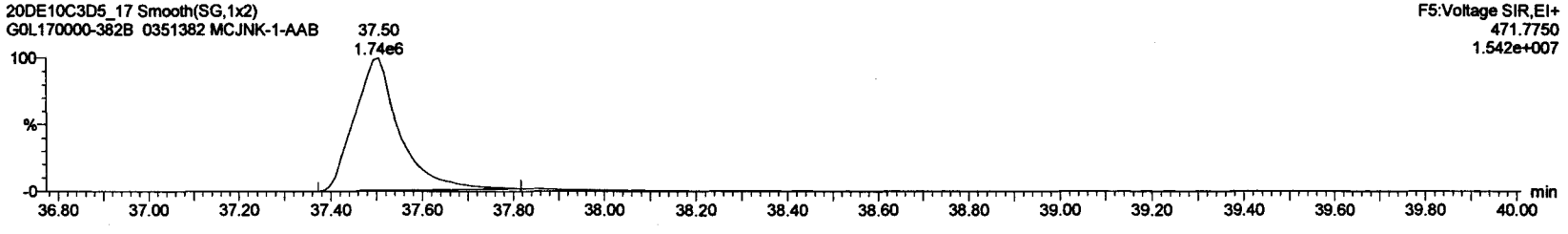
OCDD





13C-OCDD





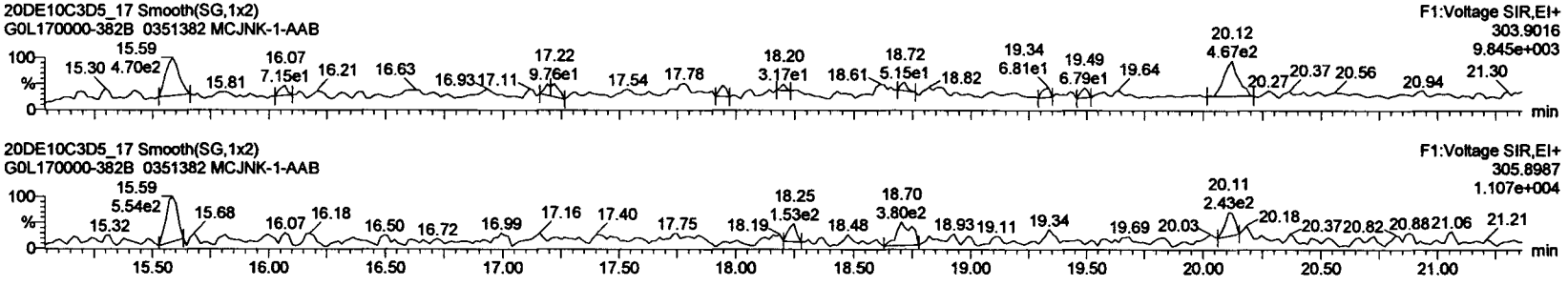
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

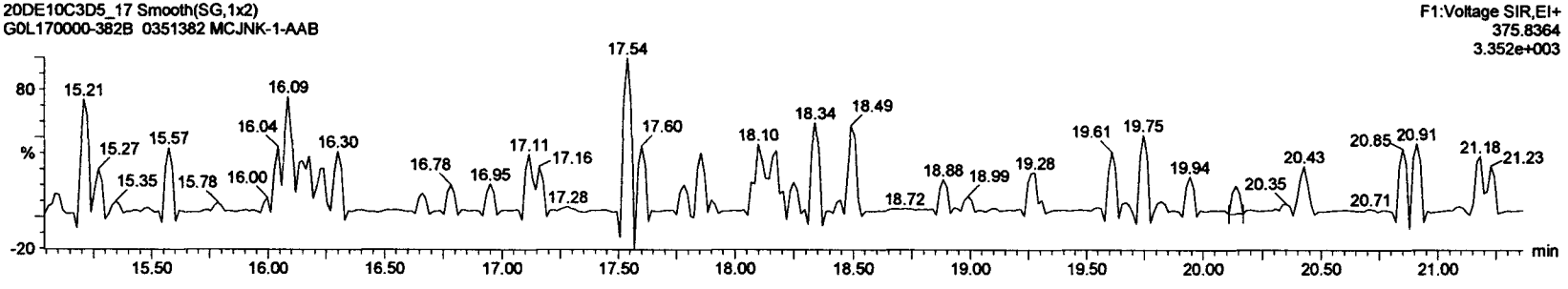
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

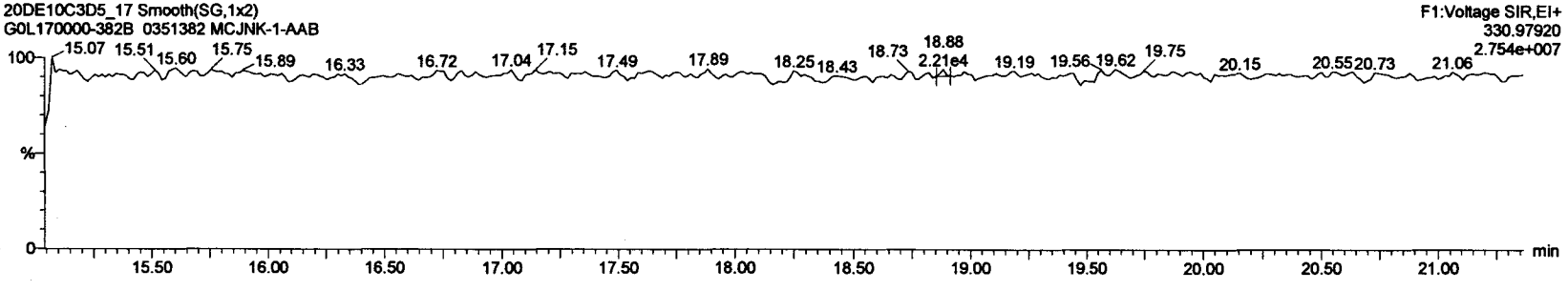
TCDFs



TCDF PCDPE



Function 1 PFK



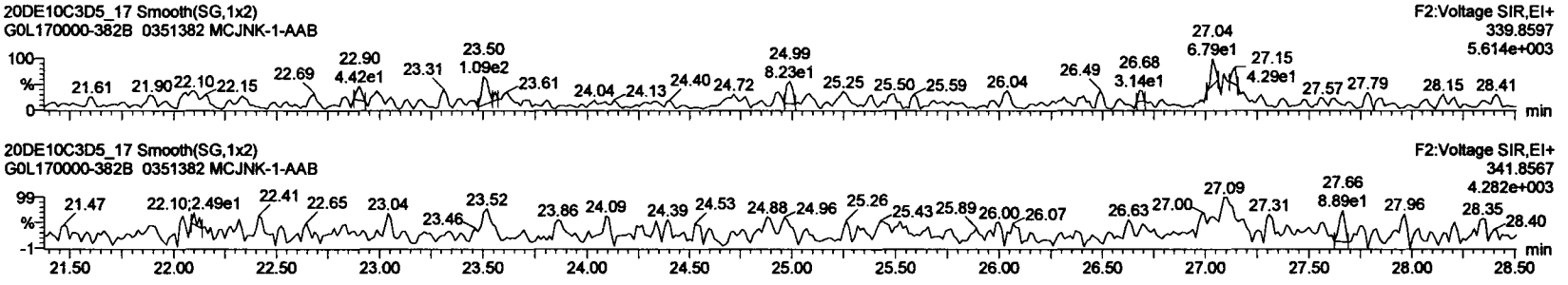
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

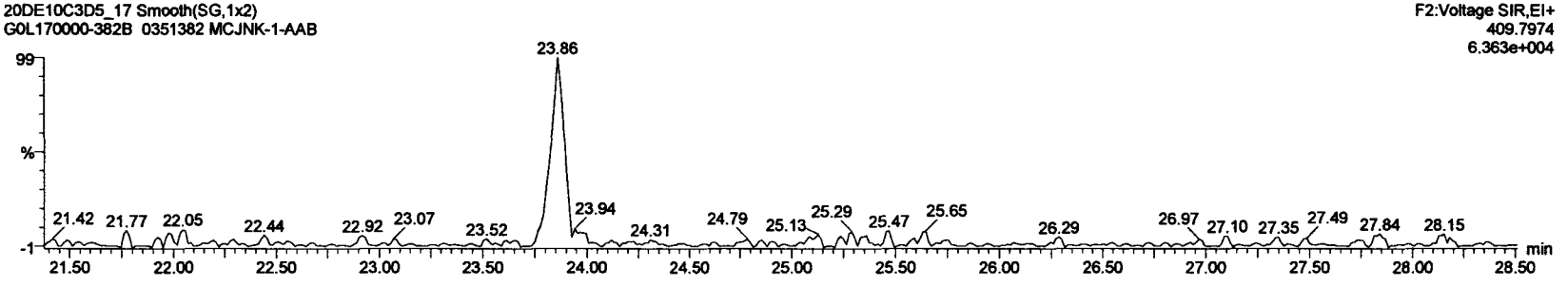
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

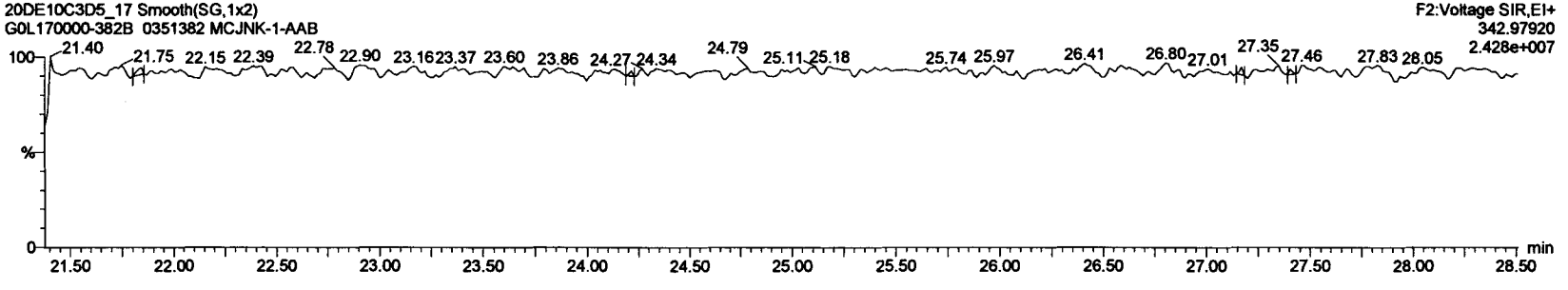
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



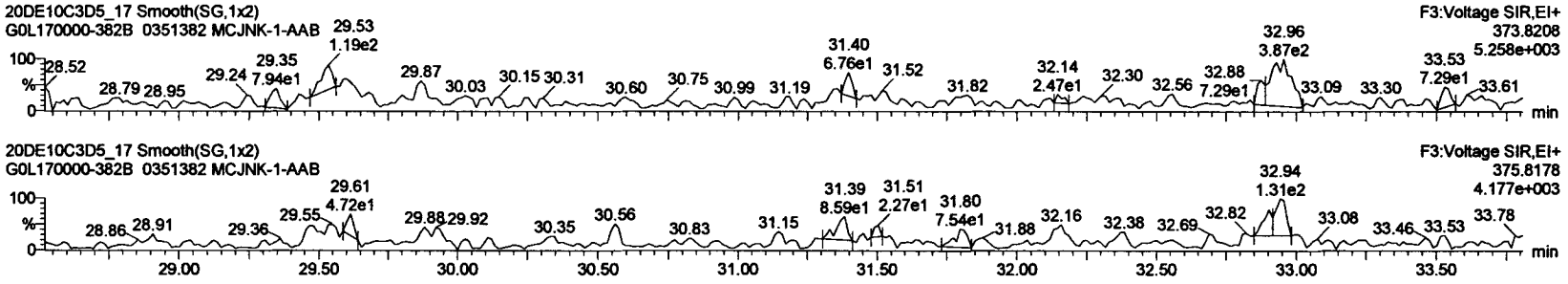
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

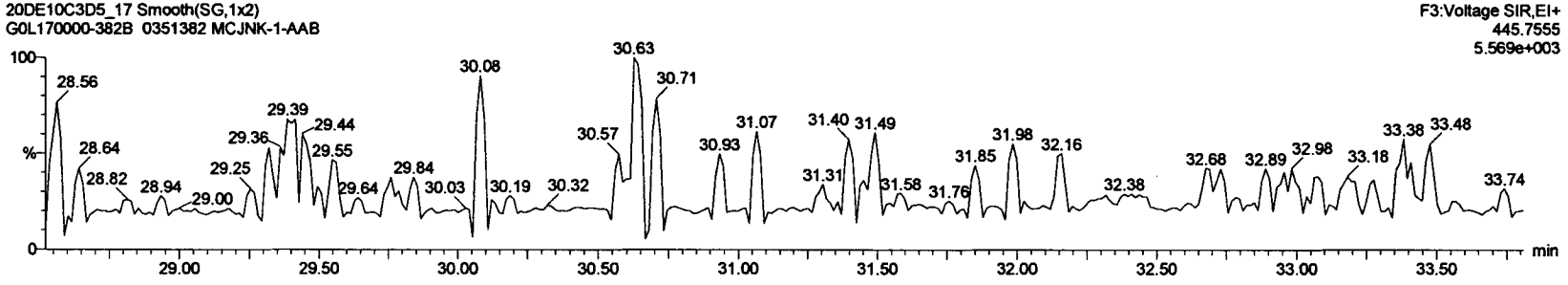
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

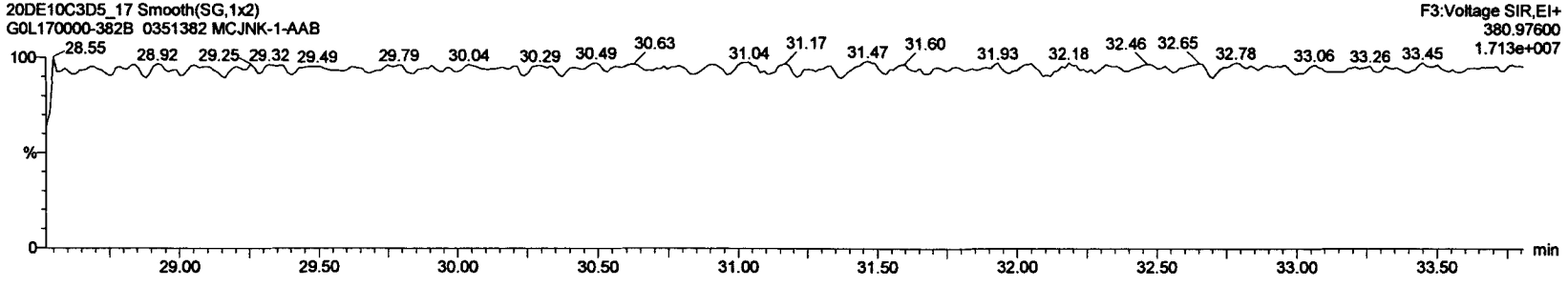
HxCDFs



HxCDF PCDPE



Function 3 PFK



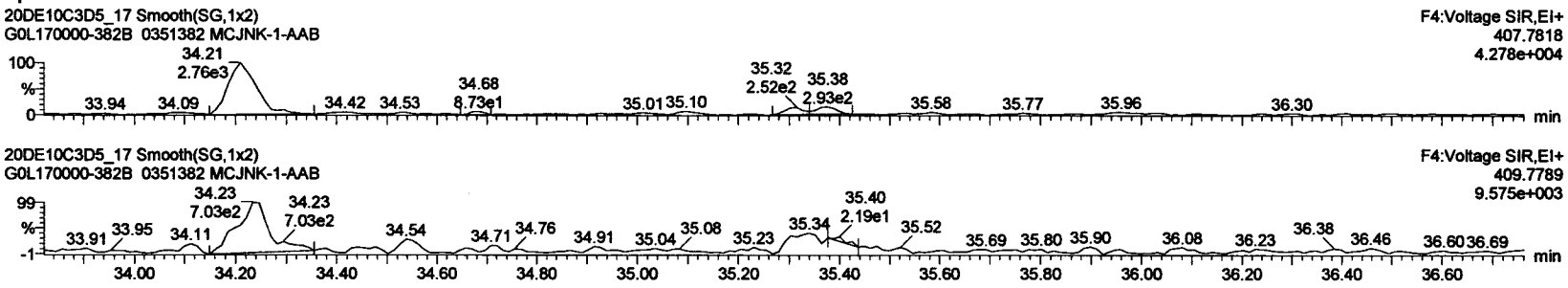
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

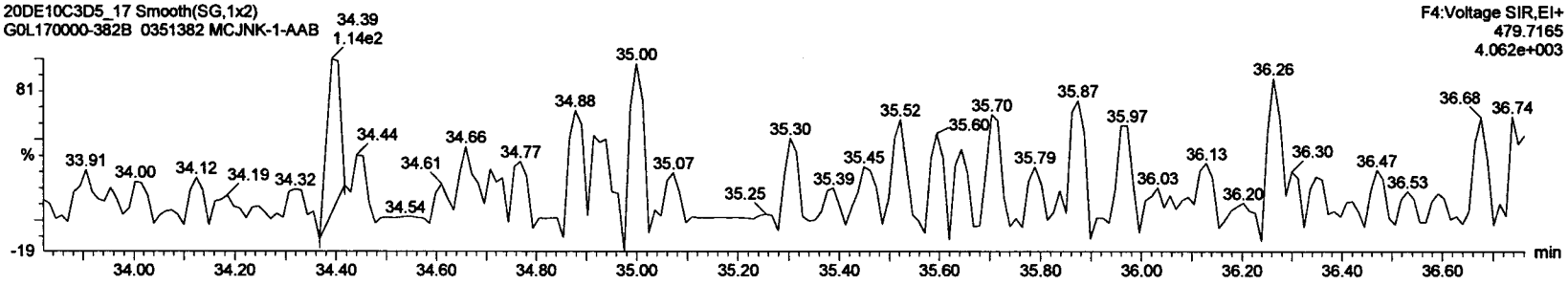
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

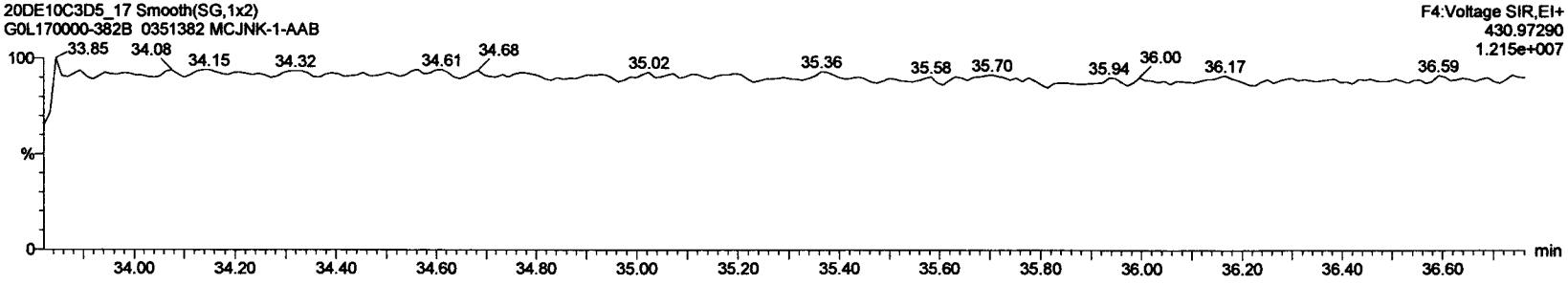
HpCDFs



HpCDF PCDPE



Function 4 PFK



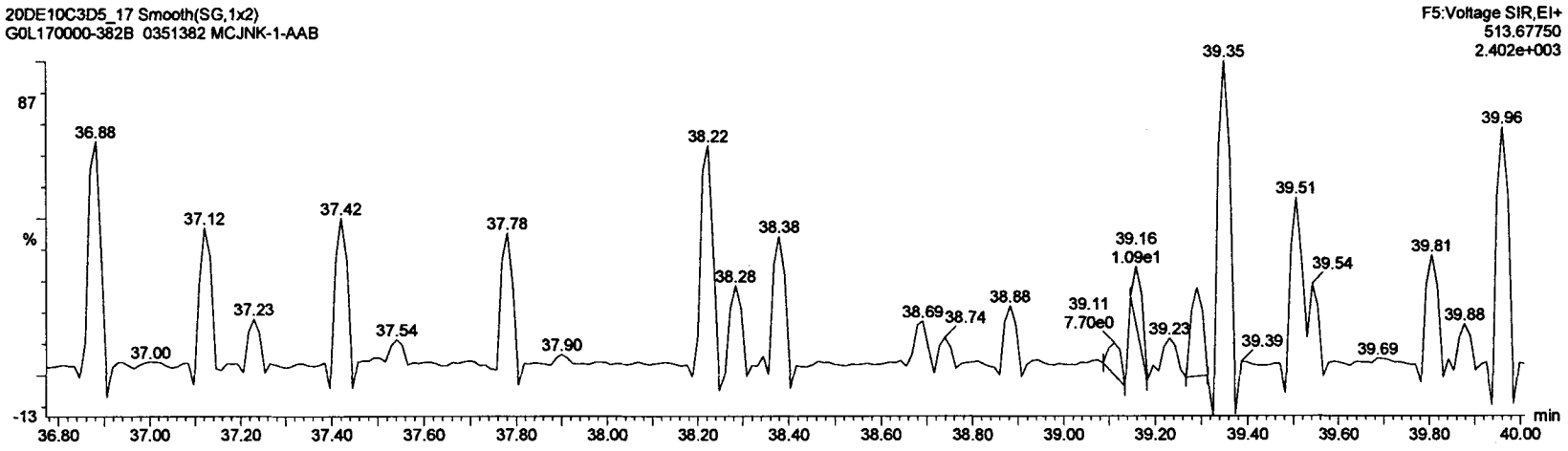
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

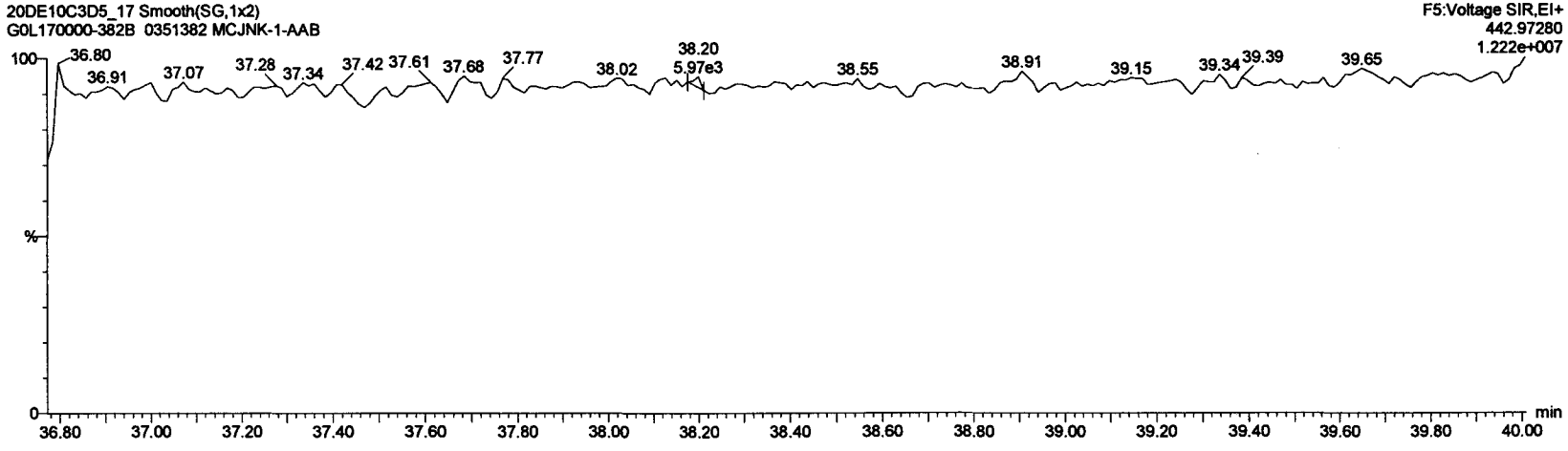
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:18 Pacific Standard Time

V8 12.22.5

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_18, Date: 21-Dec-2010, Time: 05:54:17, ID: MCJNK-1-ACC, Description: G0L170000-382C 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RRF	M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd.Ratio	Ratio ...	Mod.Date
	13C-1,2,3,4-TCDD	331.9368	0.500	18.69	18.70	1.000		3443713.25	4000.0000	4000.0000	100.0	2.2552	0.767	0.770	NO	
	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.330		4138531.50	3614.5061	3614.5061	90.4	2.1510	0.794	0.770	NO	
	2,3,7,8-TCDF	303.9016	0.500	18.16	18.16	0.972		428220.14	426.0244	426.0244		0.6962	0.780	0.770	NO	
	Total TCDFs	303.9016	0.500		21.44	0.972			426.0244	426.0244		0.6962				
	13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.89	0.890		2784514.50	3634.3676	3634.3676	90.9	2.5341	0.744	0.770	NO	
	2,3,7,8-TCDD	319.8965	0.500	18.91	18.91	1.009		320351.36	456.1905	456.1905		1.0053	0.775	0.770	NO	
	Total TCDDs	319.8965	0.500		19.55	1.009			456.1905	456.1905		1.0053				
	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.89	0.649		2613.22	5.7806	0.0000	0.4	0.8183				
	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.53	0.971		3180017.63	3805.1926	3805.1926	95.1	2.6406	1.560	1.550	NO	
	1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.53	1.069		1879030.00	2210.7498	2210.7498		1.6958	1.581	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.95	1.028		1790556.88	2190.0059	2190.0059		1.7629	1.578	1.550	NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.049			4400.7557	4400.7557		1.7287				
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.049			1.6307	1.6307		0.7868				
18																
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.69	25.74	0.715		2333207.50	3789.1591	3789.1591	94.7	3.5410	1.578	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	25.71	25.71	0.884		1174788.31	2278.1093	2278.1093		2.3119	1.576	1.550	NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.884			2278.1093	2278.1093		2.3119				
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.000		2345104.25	4000.0000	4000.0000	100.0	6.0074	1.309	1.240	NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.084		2200674.88	3461.5209	3461.5209	86.5	5.1302	0.518	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.219		1419017.81	2116.7162	2116.7162		1.6953	1.293	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.50	1.396		1675430.44	2181.0370	2181.0370		1.4794	1.179	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.14	1.237		1512800.38	2221.9982	2221.9982		1.6693	1.249	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.078		1313336.38	2213.9748	2213.9748		1.9158	1.246	1.240	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.233			8733.7261	8733.7261		1.6759				
31																

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:18 Pacific Standard Time

Name: 20DE10C3D5_18, Date: 21-Dec-2010, Time: 05:54:17, ID: MCJNK-1-ACC, Description: G0L170000-382C 0351382, Task:

#	Name	Trace	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	401.8559	0.500	32.38	32.38	0.894	2288456.06	4363.8323	4363.8323	109.1	6.7161	1.324	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.32	32.32	1.028	1016717.97	1729.2640	1729.2640		3.5063	1.397	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.40	32.40	1.111	1324837.63	2085.2257	2085.2257		3.2447	1.131	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.69	32.69	1.113	1176735.38	1848.3934	1848.3934		3.2382	1.282	1.240	NO	
36	Total HxCDDs	389.8157	0.500		0.00	1.084		5662.8831	~~5662.8831~~		3.3252				
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.20	0.881	1887981.31	3656.0619	3656.0619	91.4	10.1765	0.455	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.23	34.25	1.402	1498548.44	2265.1015	2265.1015		2.5267	1.065	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.35	1.199	1257640.13	2222.0679	2222.0679		2.9535	0.990	1.040	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.300		4487.1694	~~4487.1694~~		2.7235				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.01	0.857	1803271.00	3587.3498	3587.3498	89.7	7.5082	1.035	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.06	35.06	0.981	998891.97	2258.4544	2258.4544		4.0405	1.029	1.040	NO	
45	Total HpCDDs	423.7766	0.500		-0.02	0.981		2258.4544	~~2258.4544~~		4.0405				
46															
47	13C-OCDD	469.7779	0.500	37.50	37.44	0.643	2780411.88	7373.6714	7373.6714	92.2	9.9157	0.899	0.890	NO	
48	OCDF	441.7428	0.500	37.62	37.61	1.477	2263500.00	4409.2315	4409.2315		4.5320	0.889	0.890	NO	
49	OCDD	457.7377	0.500	37.52	37.52	1.196	1862087.00	4478.9515	4478.9515		6.1439	0.918	0.890	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 PCDPE	375.8364	1.000	20.20	20.25	17.814	24.26	1.3620		136.2	5.7052				
58	F1 PeCDF PCDPE	409.79740	1.000	19.37	19.31	97.109	86.82	0.8940		89.4	1.3156				
59	F2 PeCDF PCDPE	409.7974	1.000		28.29	51.063					0.0000				
60	HXCDF PCDPE	445.7555	1.000	33.25	33.24	21.191	8.29	0.3910		39.1	1.9161				
61	HPCDF PCDPE	479.7165	1.000	34.26	34.27	39.173	108.69	2.7745		277.5	3.5842				
62	OCDF PCDPE	513.67750	1.000	39.16	39.16	27.302	53.83	1.9714		197.1	0.9936				

Quantify Sample Report **MassLynx 4.1**

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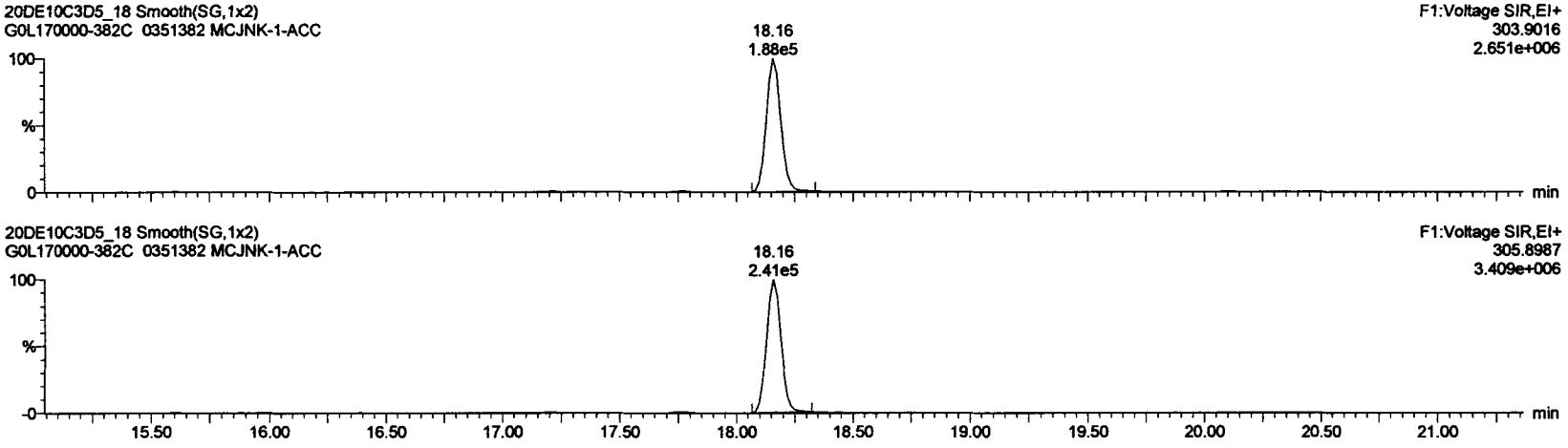
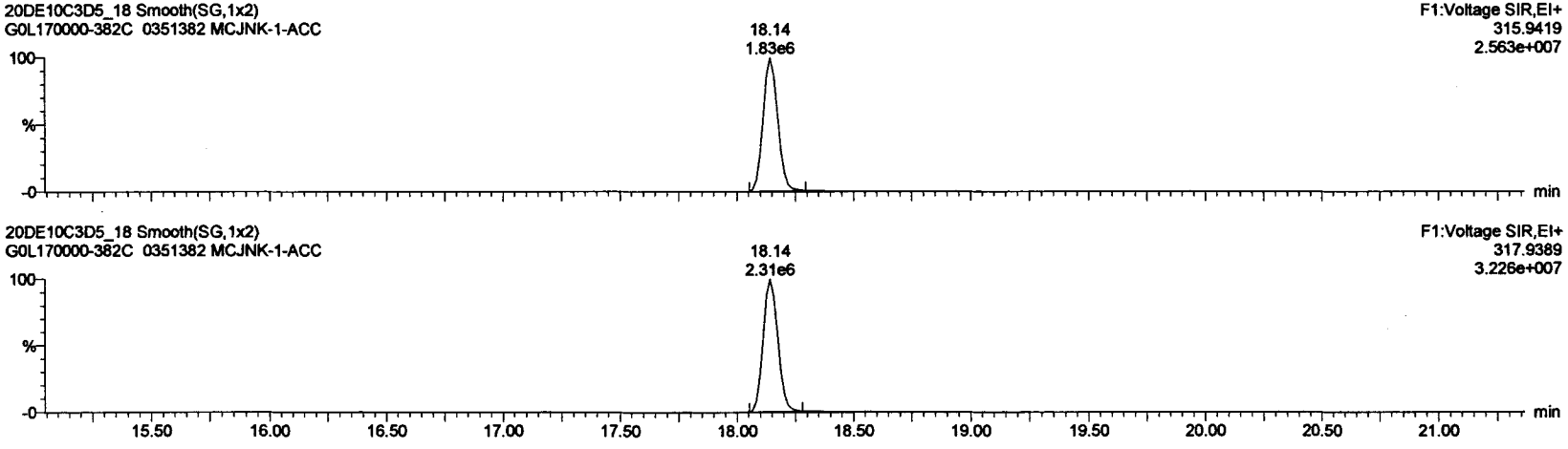
Name: 20DE10C3D5_18, Date: 21-Dec-2010, Time: 05:54:17, ID: MCJNK-1-ACC, Description: G0L170000-382C 0351382

TCDFs



13C-TCDF



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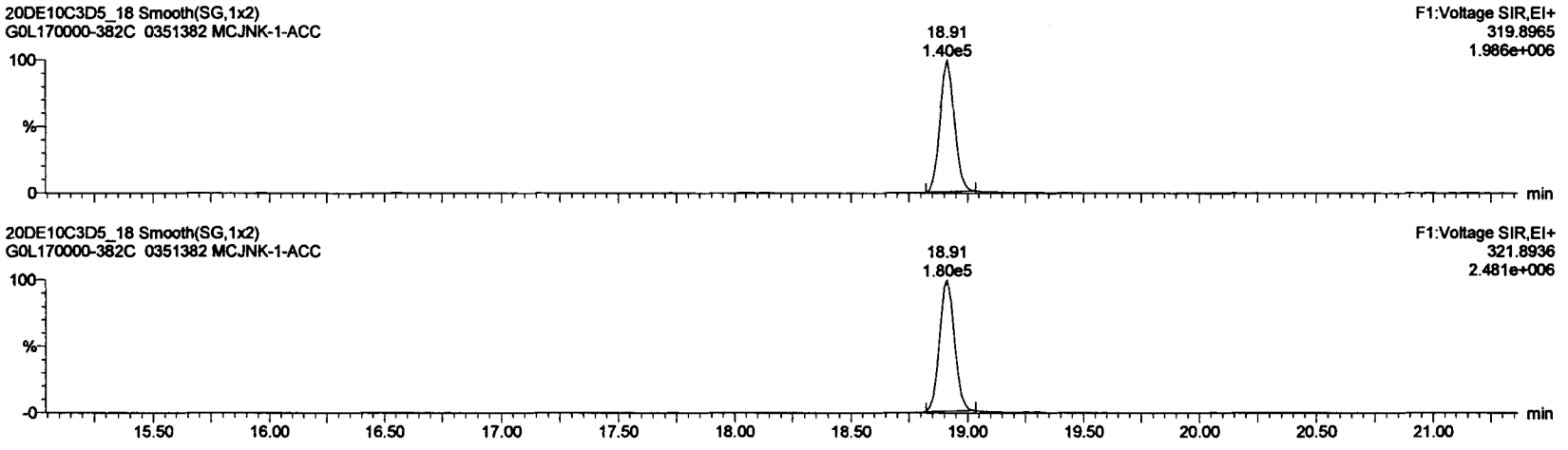
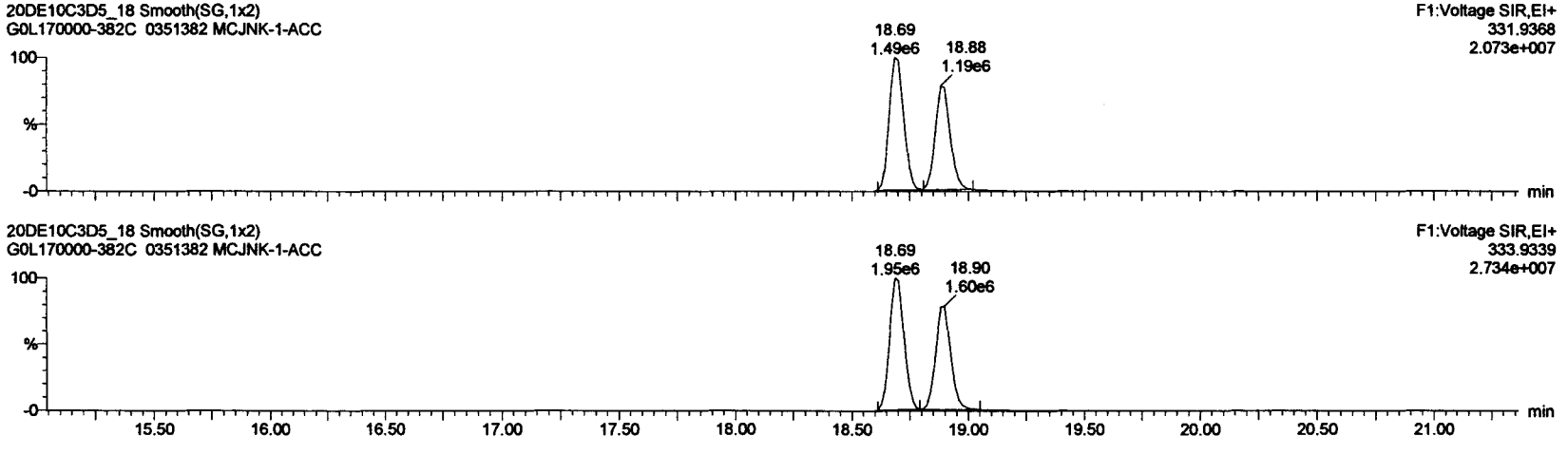
TCDDs



13C-TCDDs



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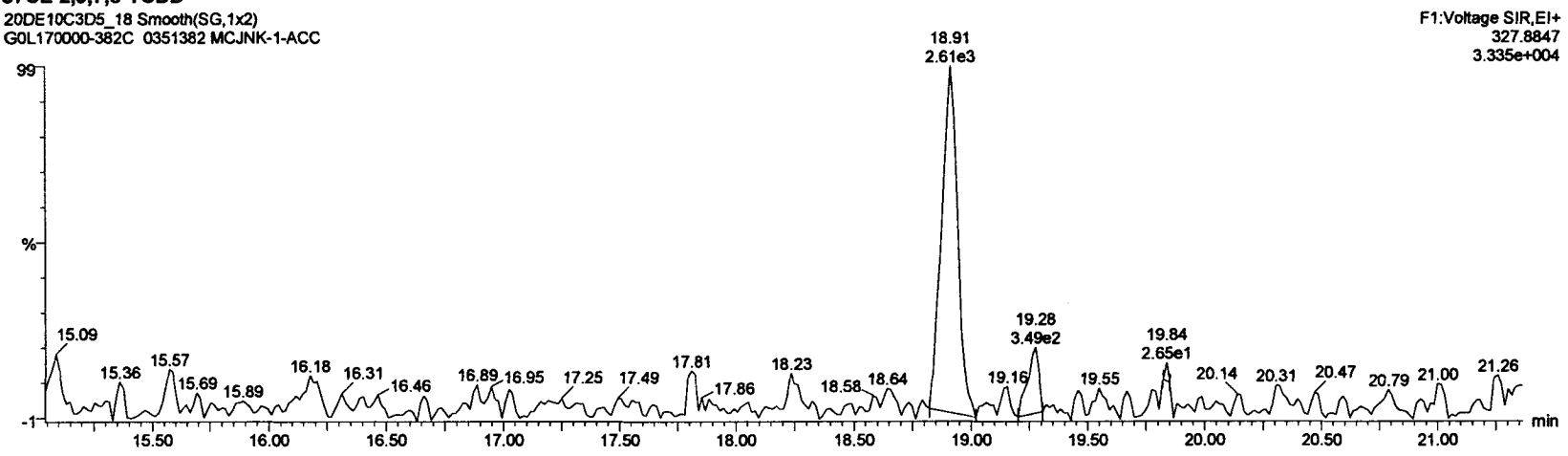
37CL-2,3,7,8-TCDD



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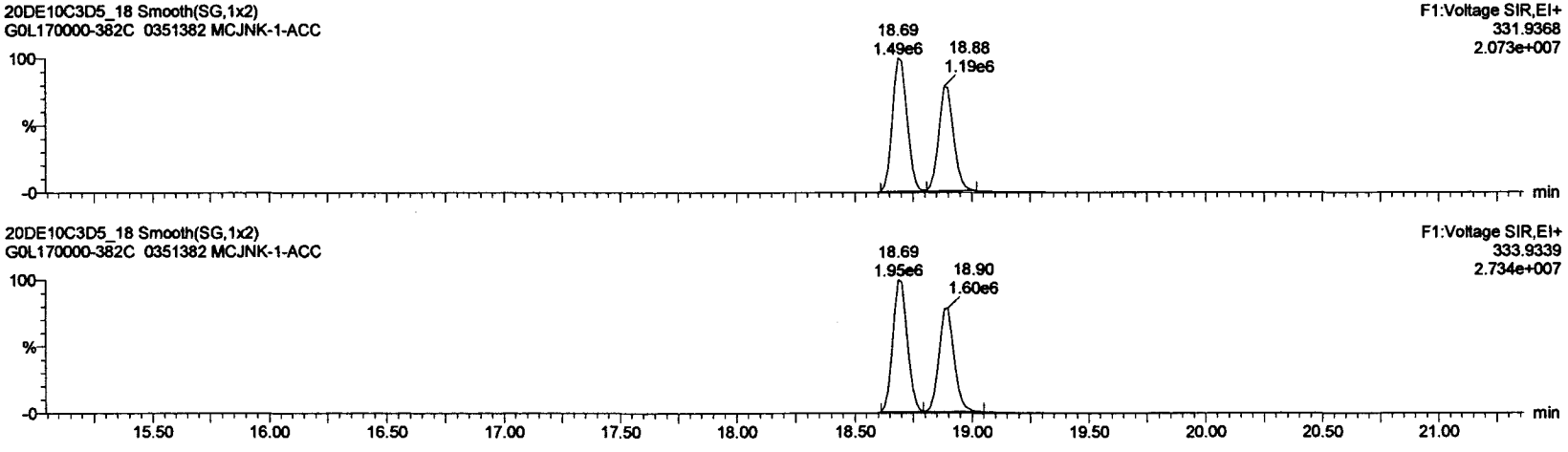

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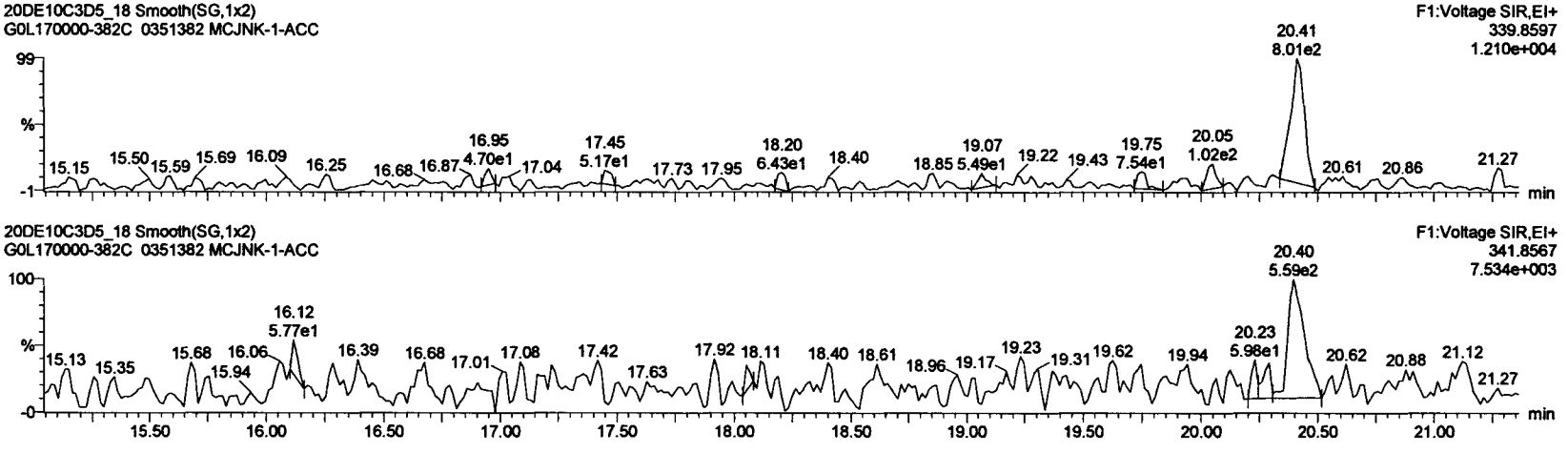
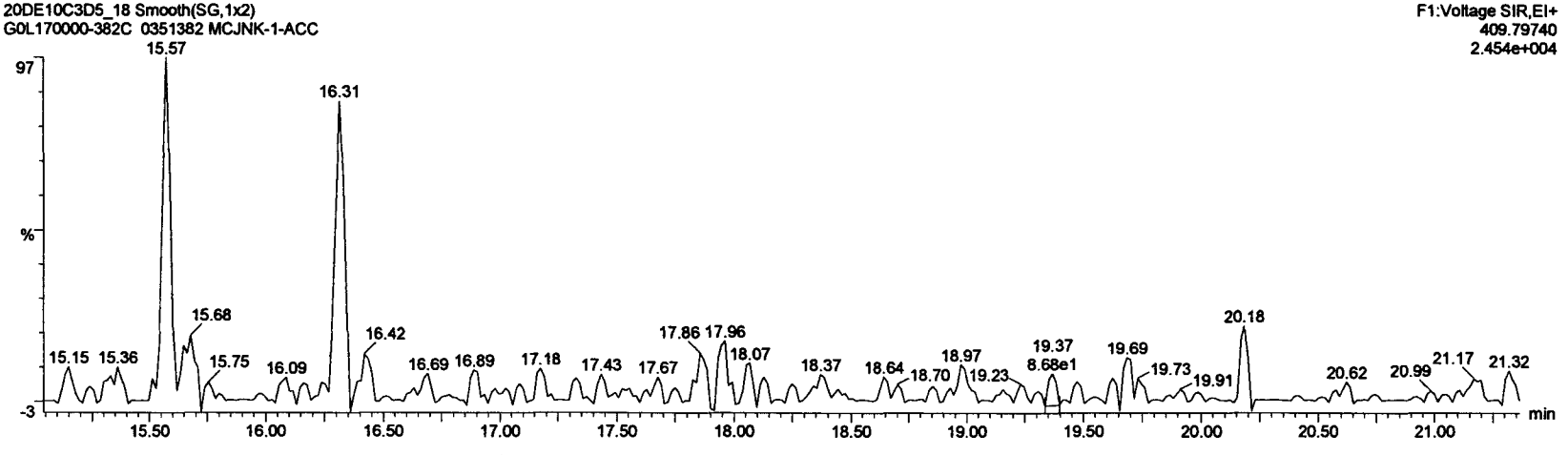
F1 PeCDFs



F1 PeCDF PCDPE



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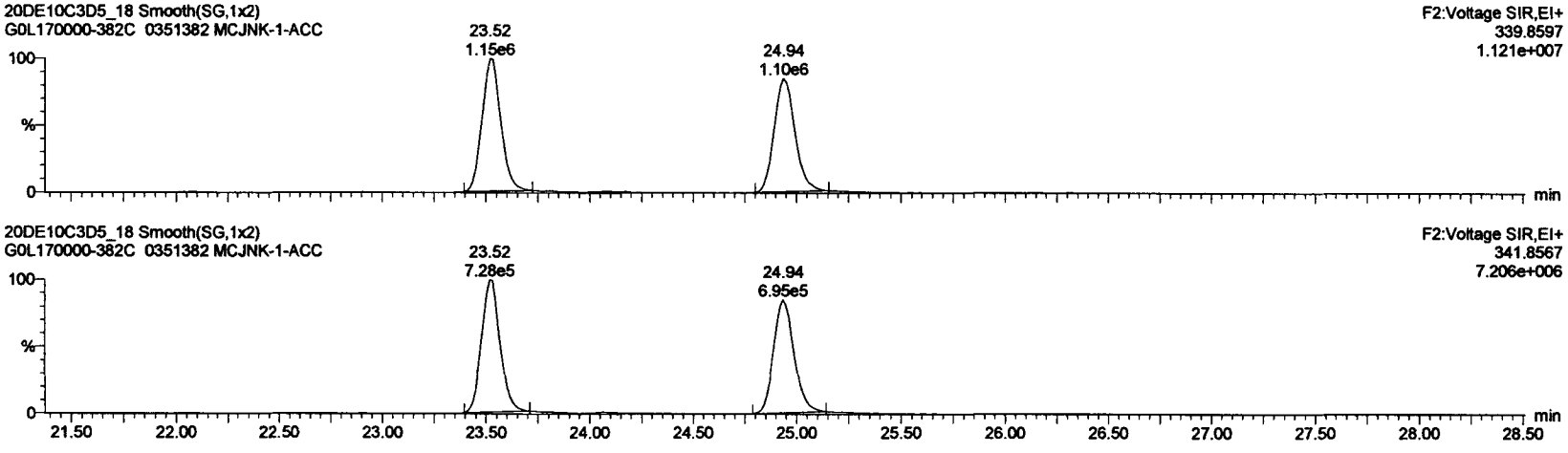
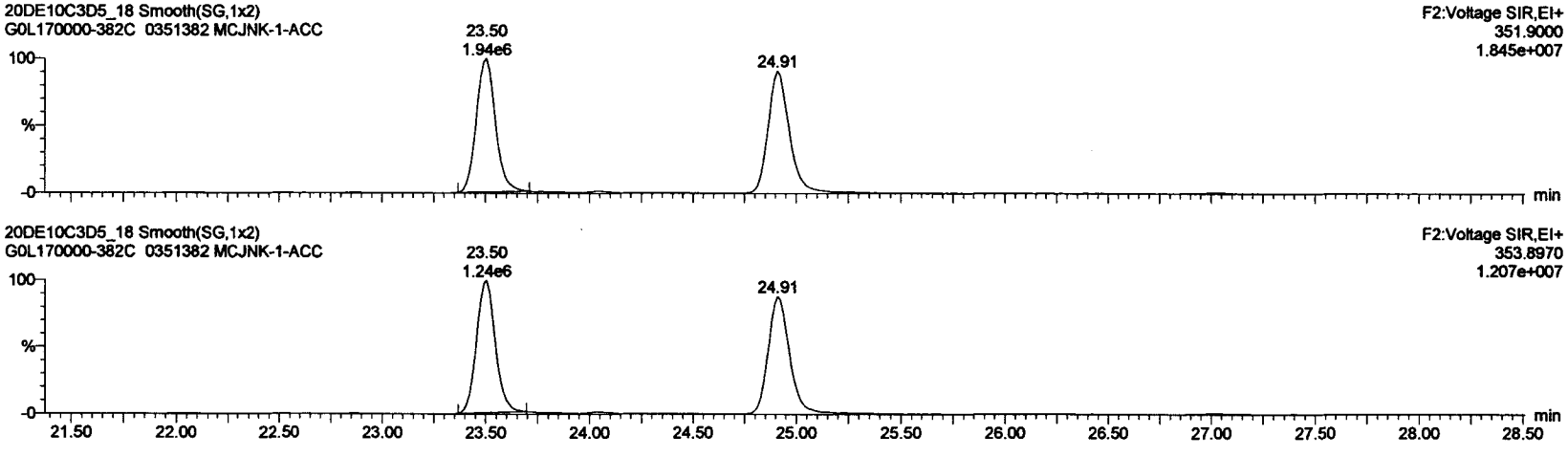
PeCDFs



13C-PeCDFs



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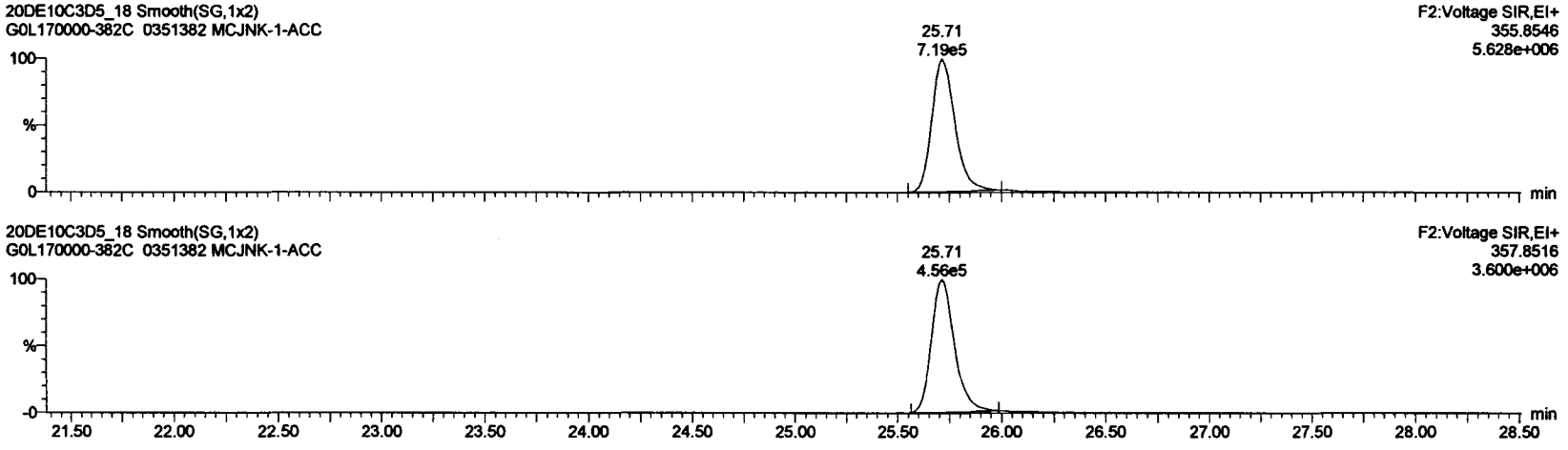
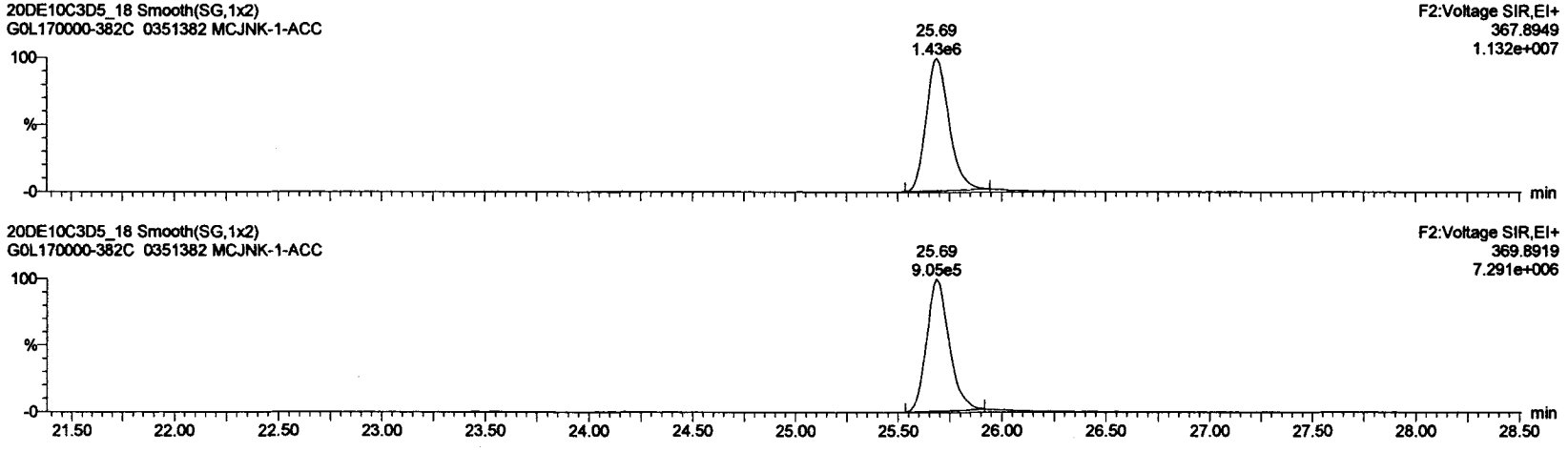
PeCDDs



13C-PeCDD



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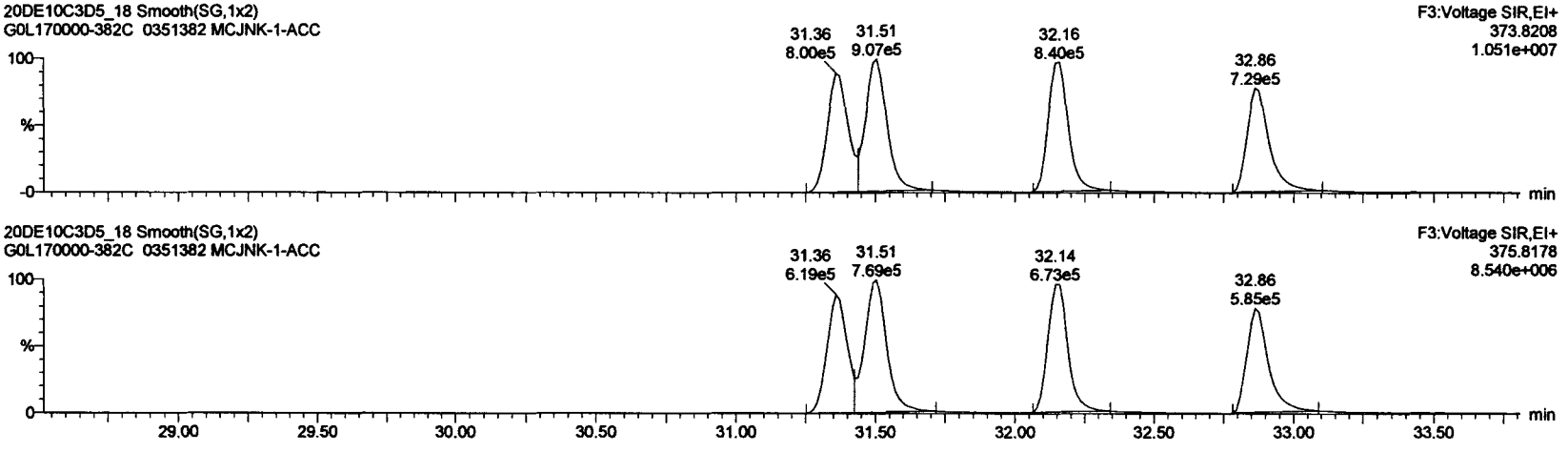
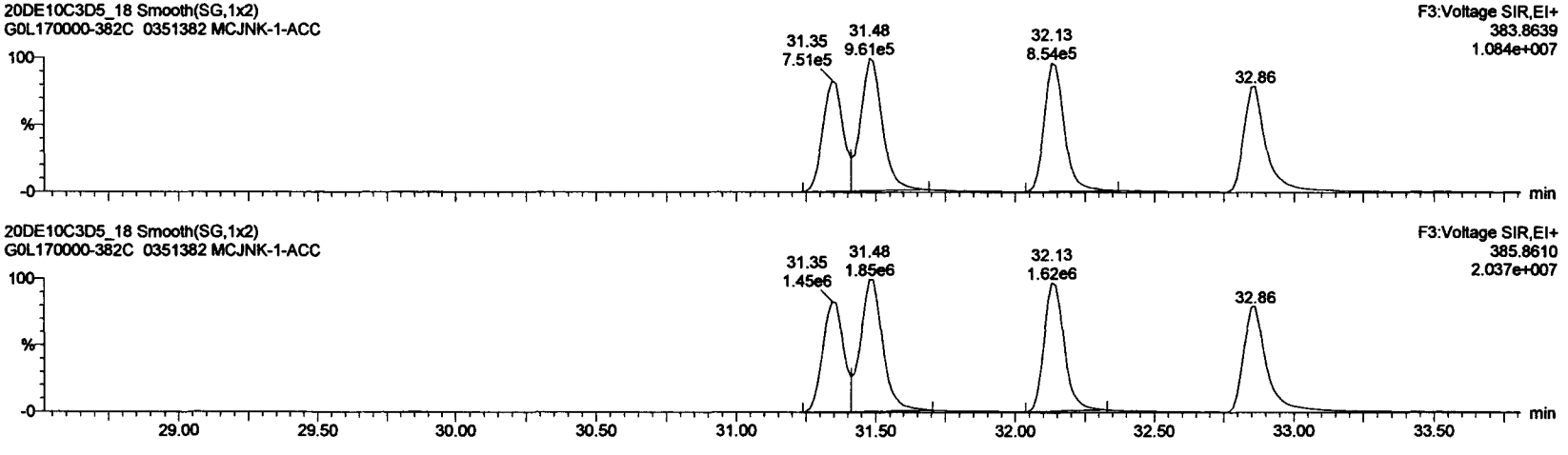
HxCDFs



13C-HxCDFs



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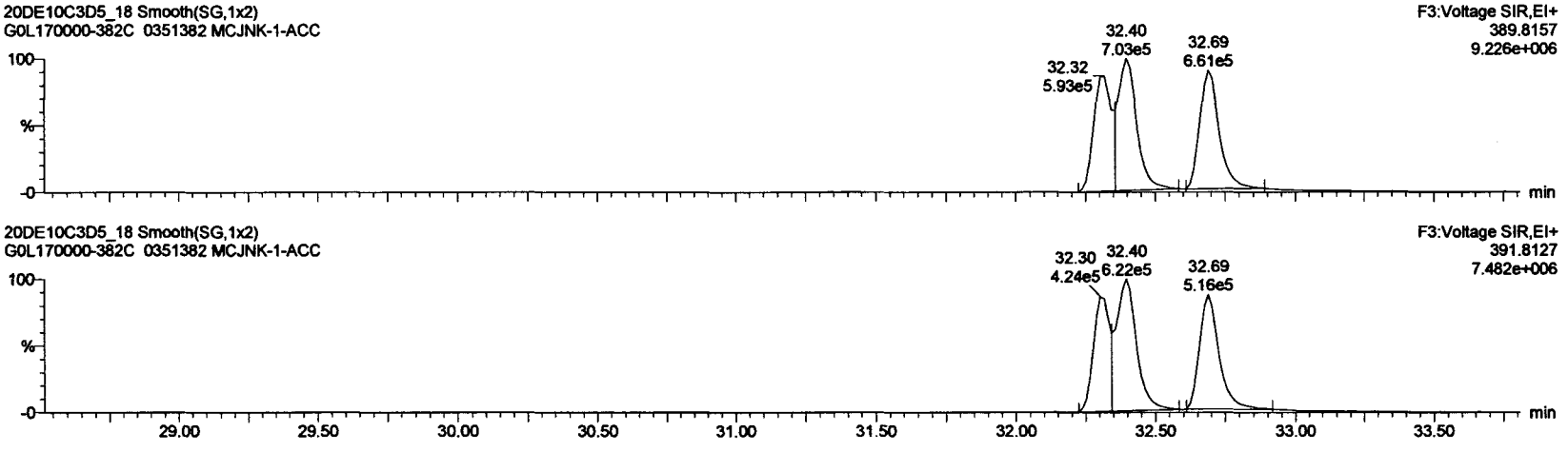
HxCDDs



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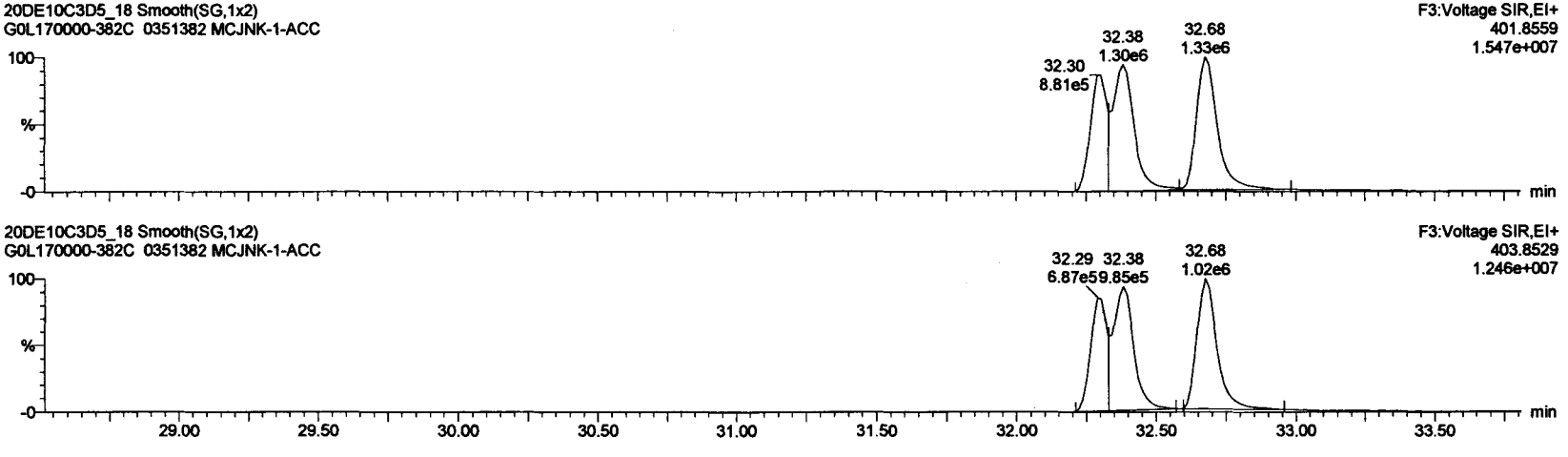

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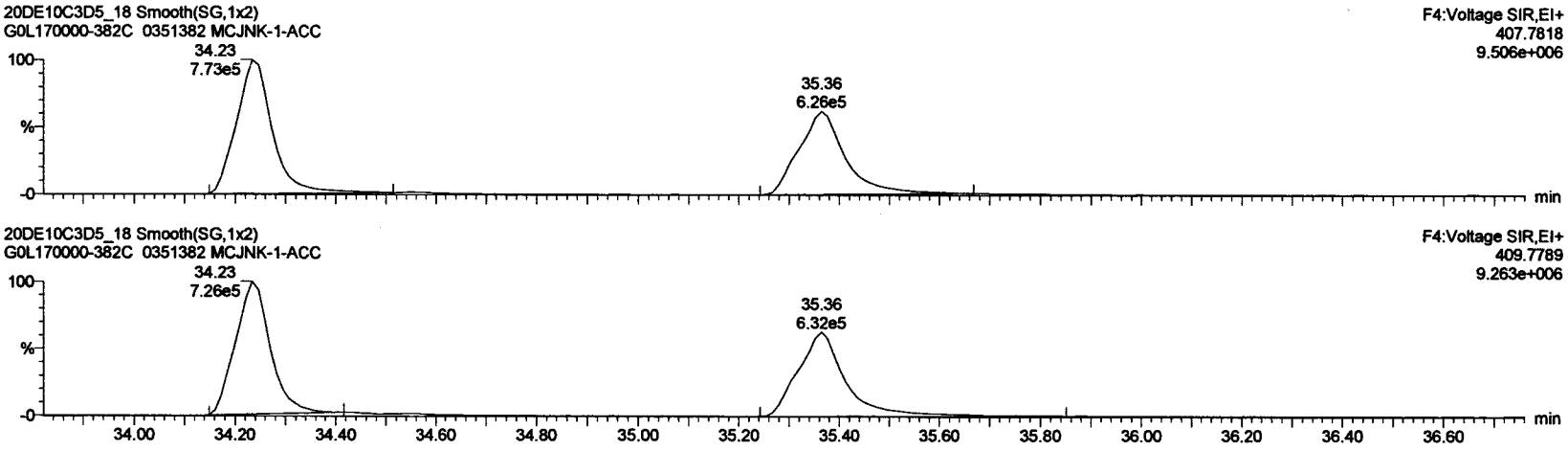
HpCDFs



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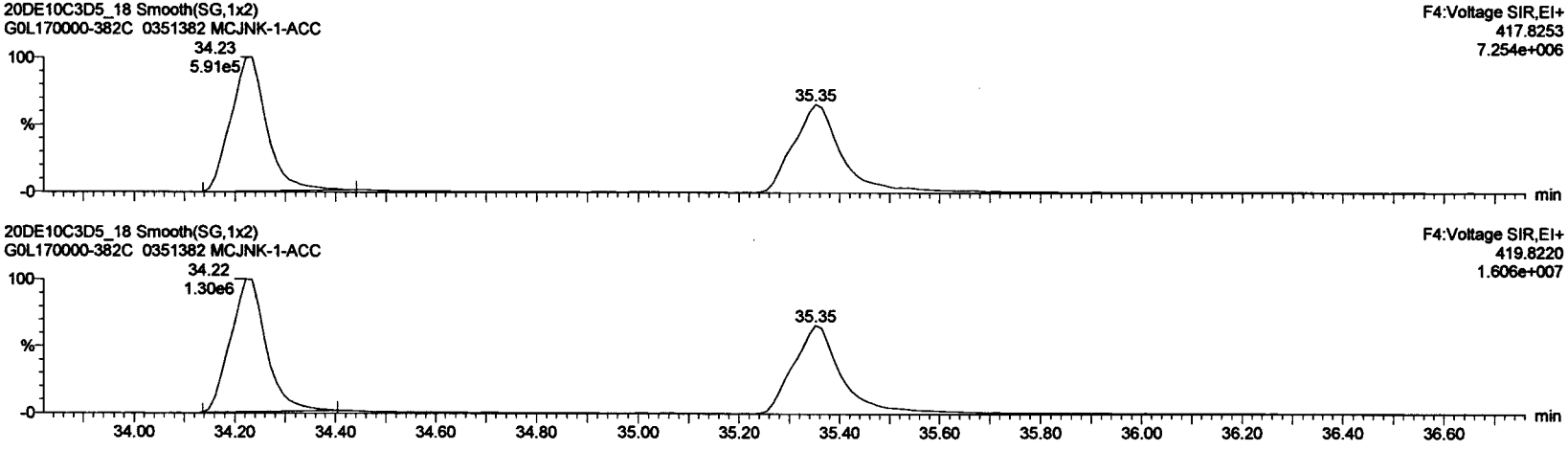

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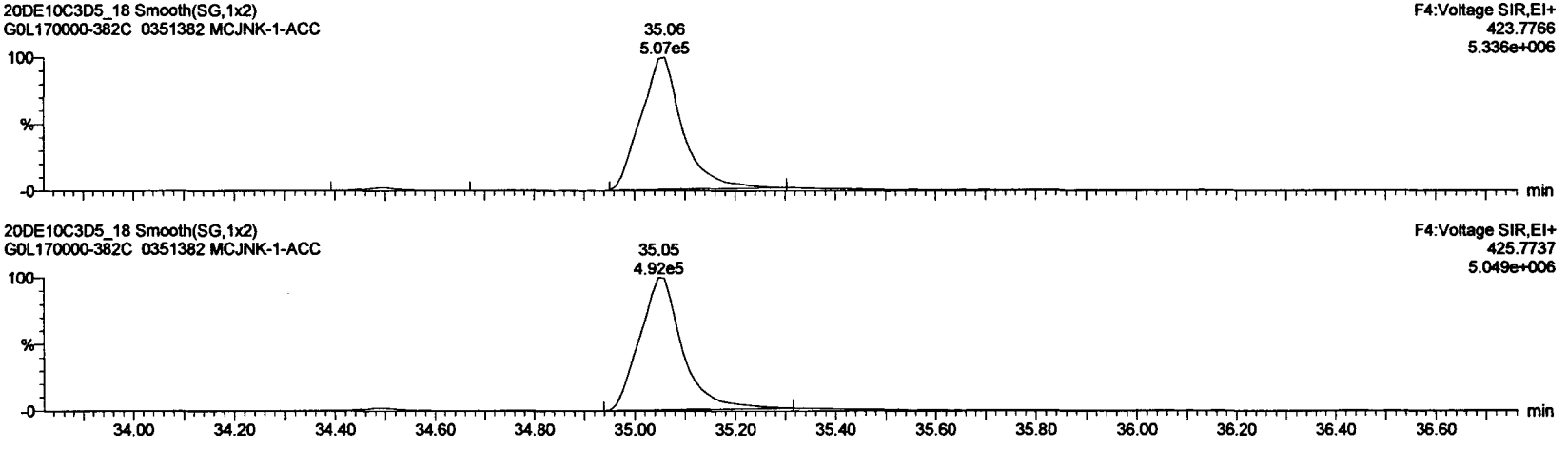
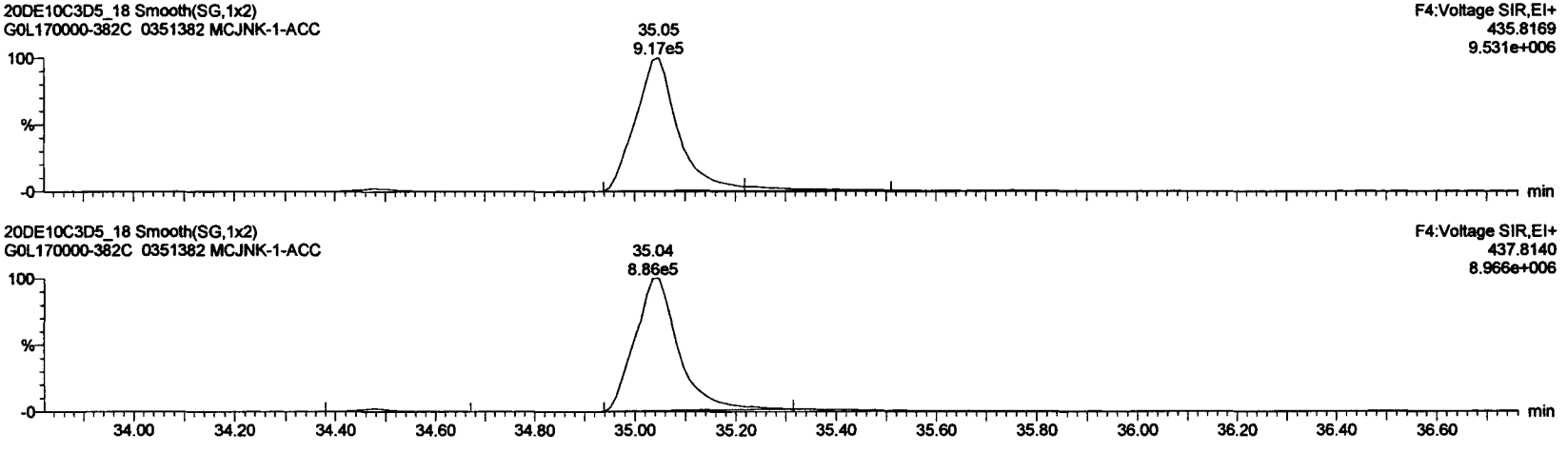
HpCDDs



13C-HpCDD



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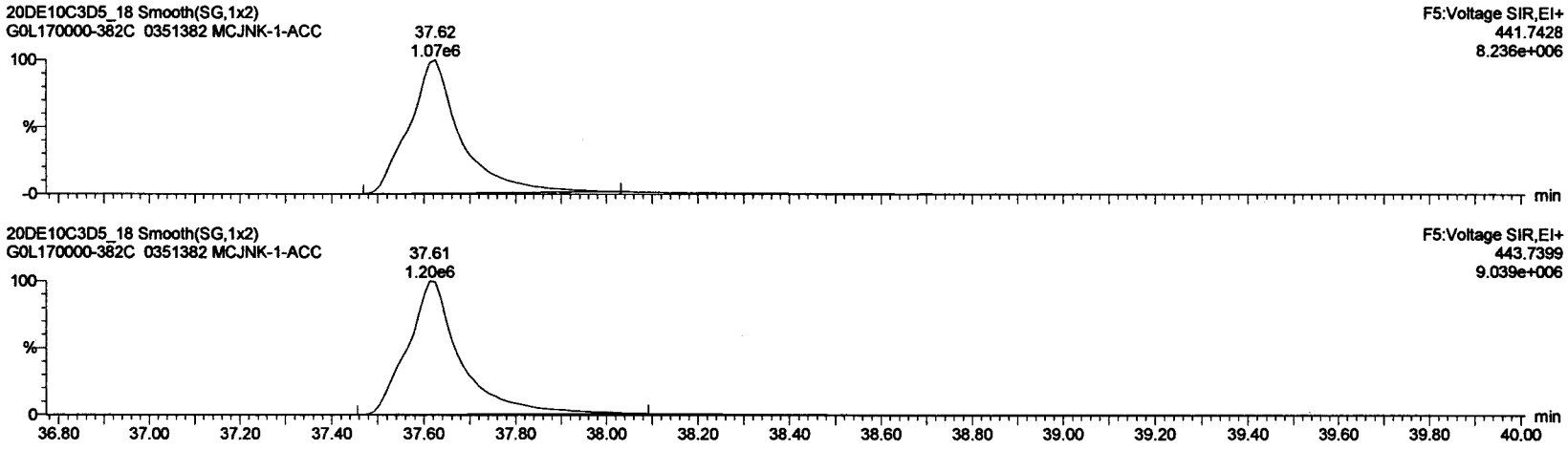
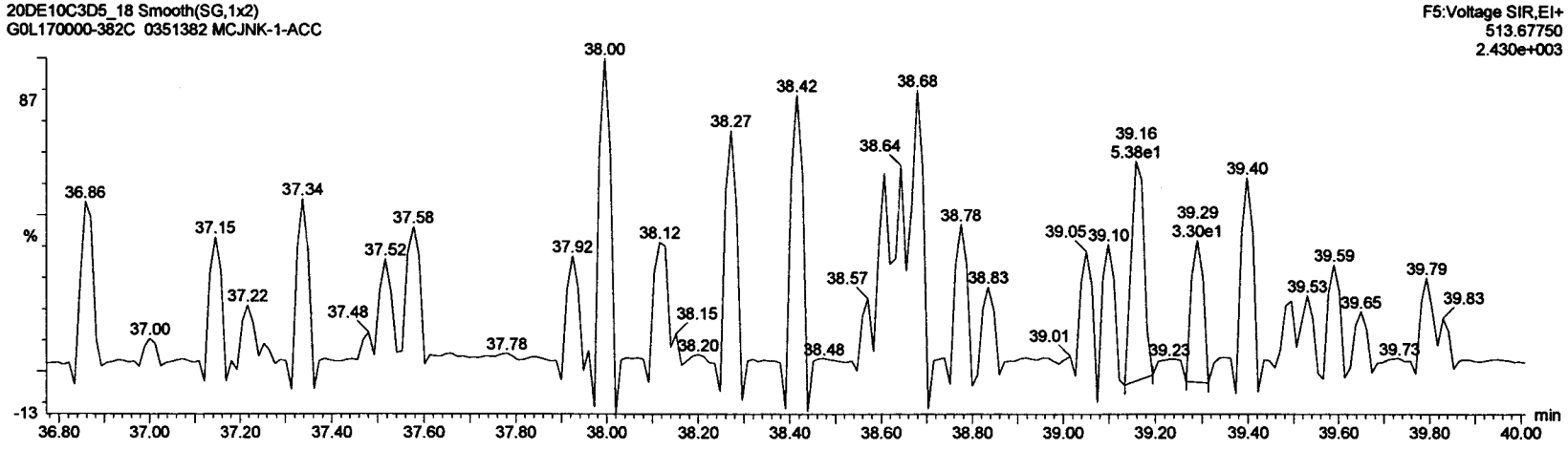
OCDFs



OCDF PCDPE



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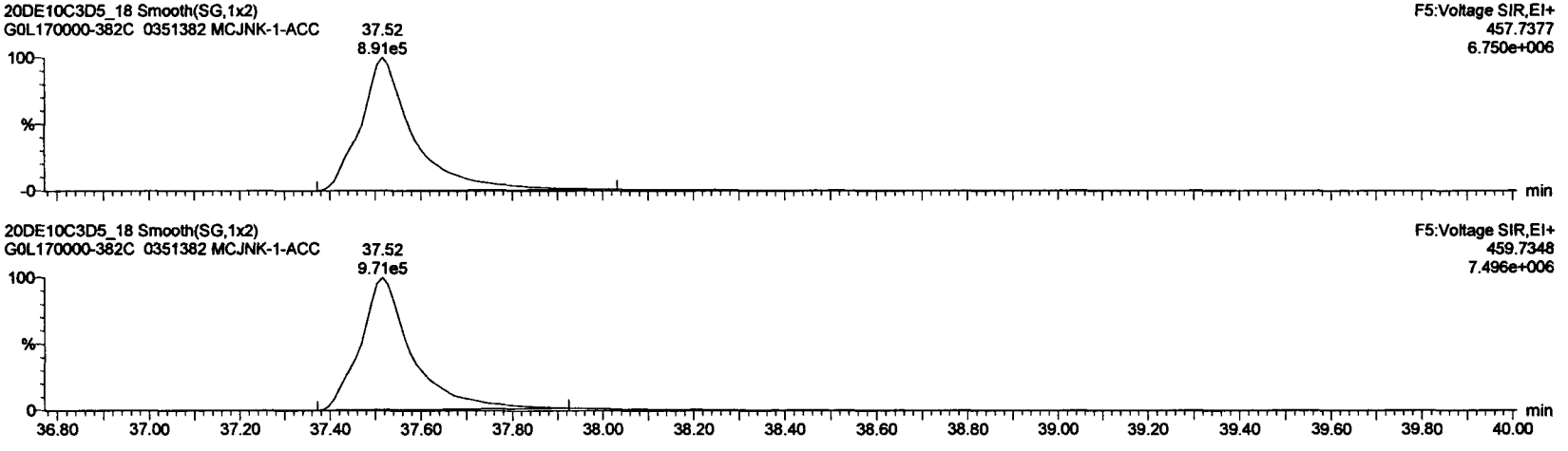
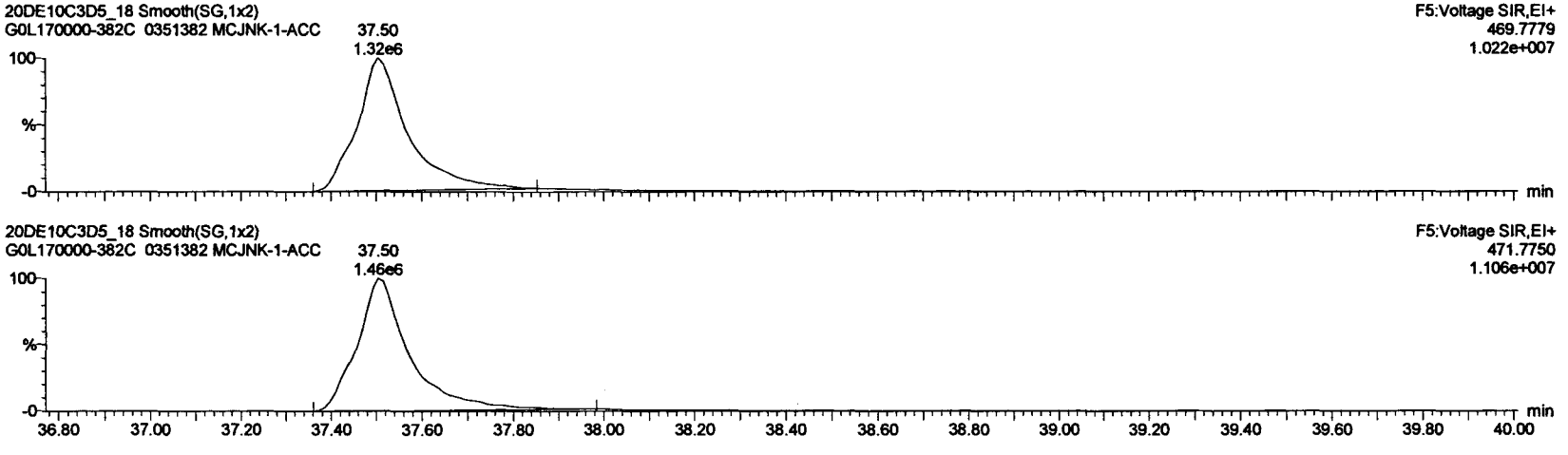
OCDD



13C-OCDD



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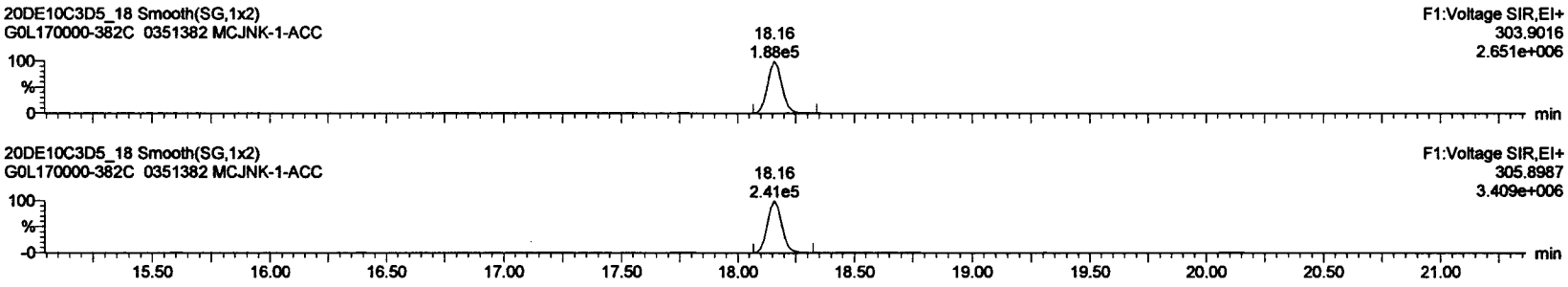
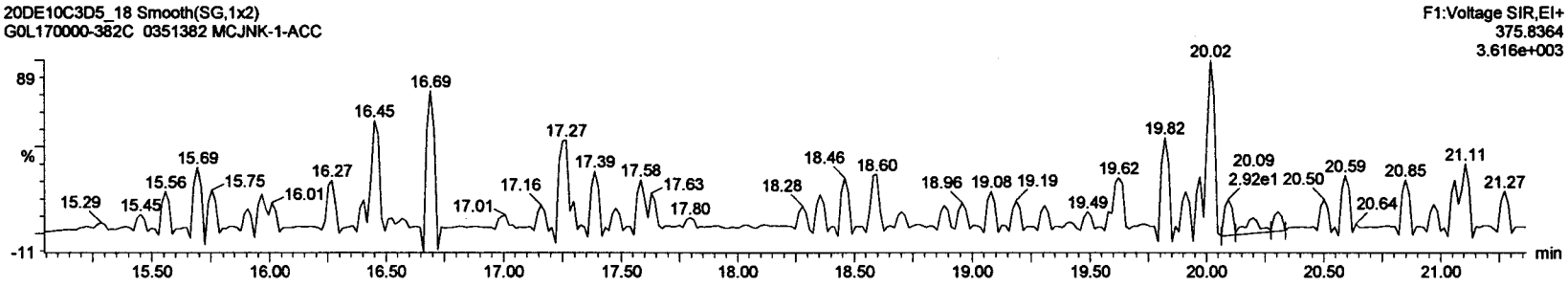
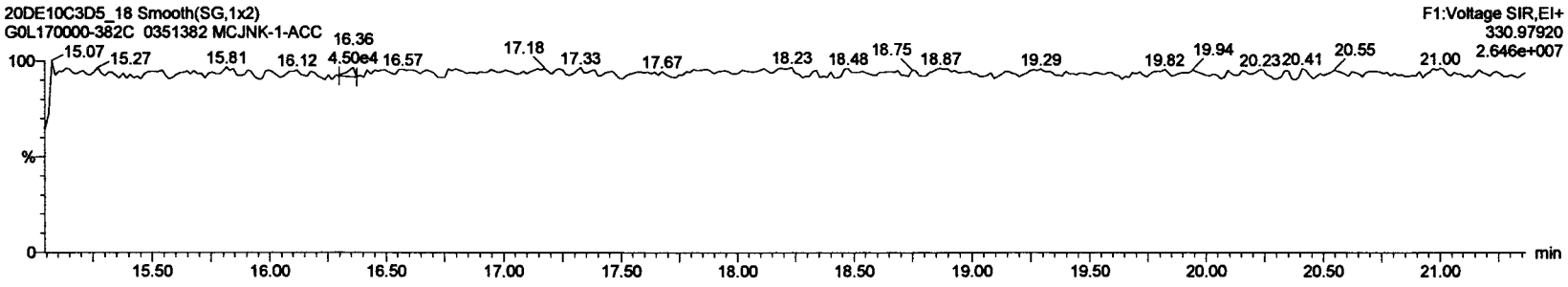
TCDFs



TCDF PCDPE



Function 1 PFK



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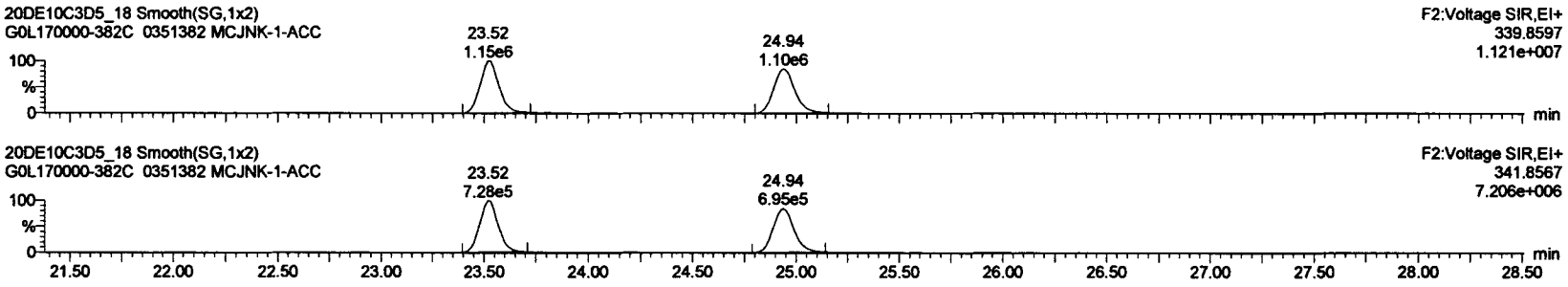
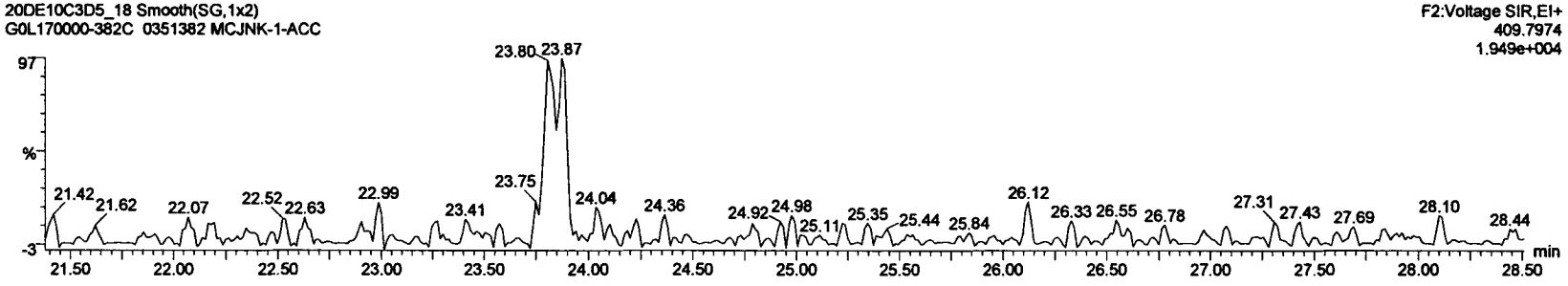
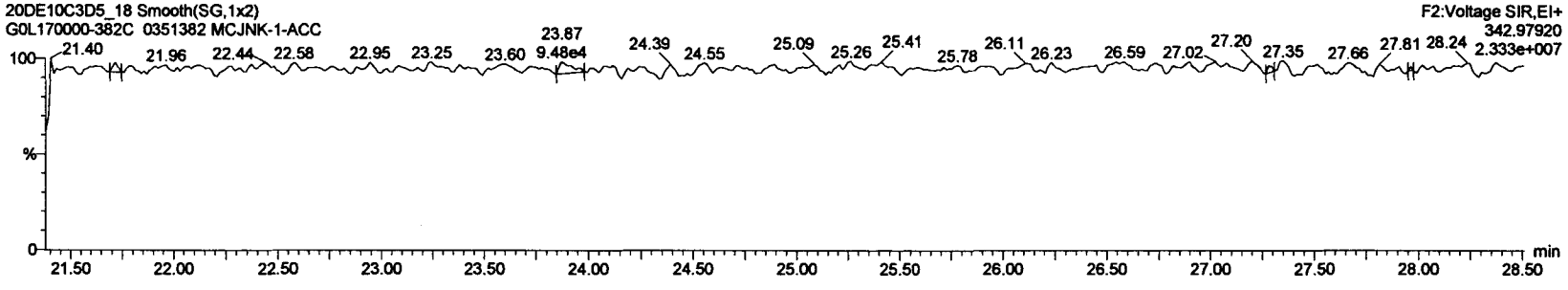
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



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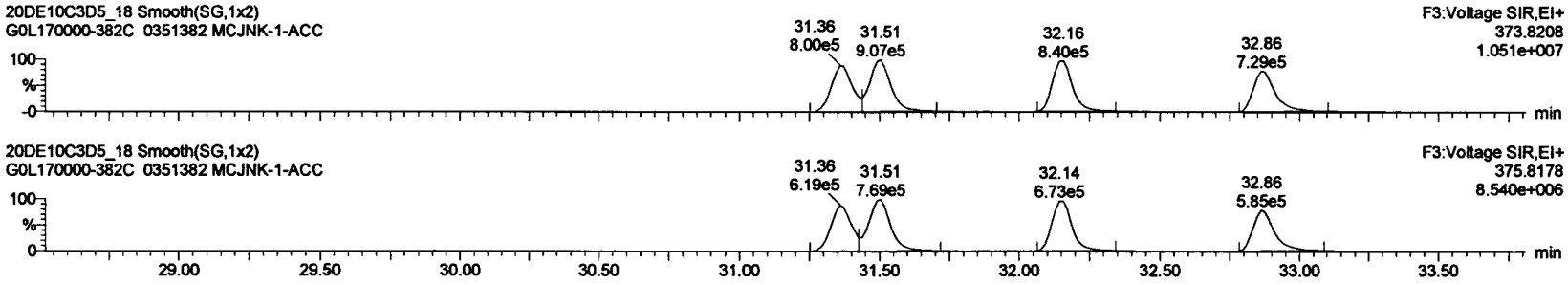
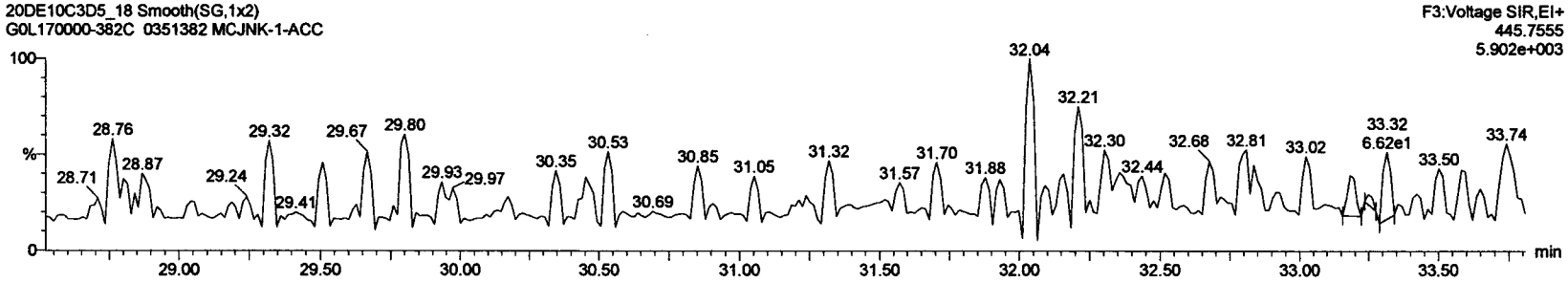
HxCDFs



HxCDF PCDPE



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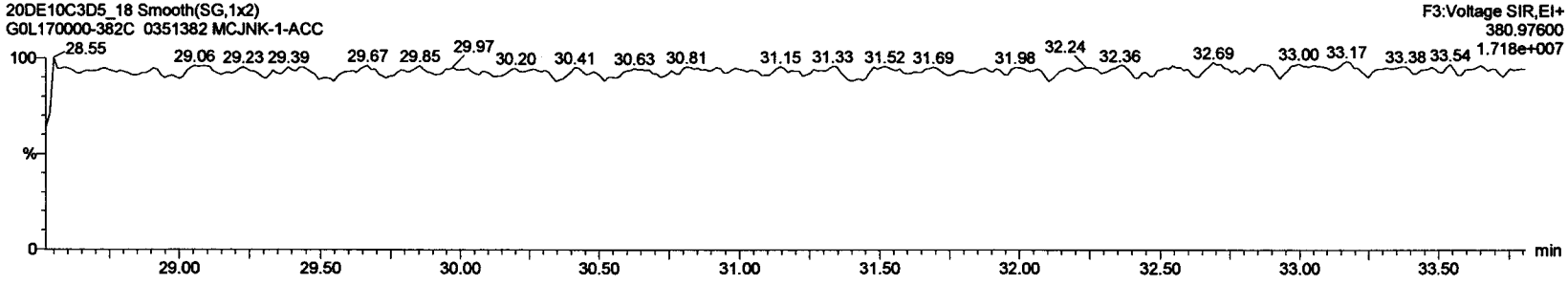

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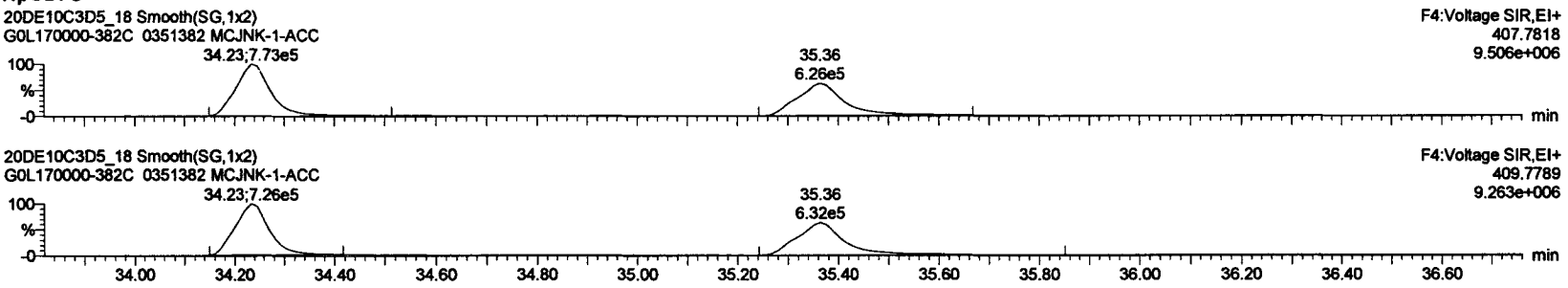
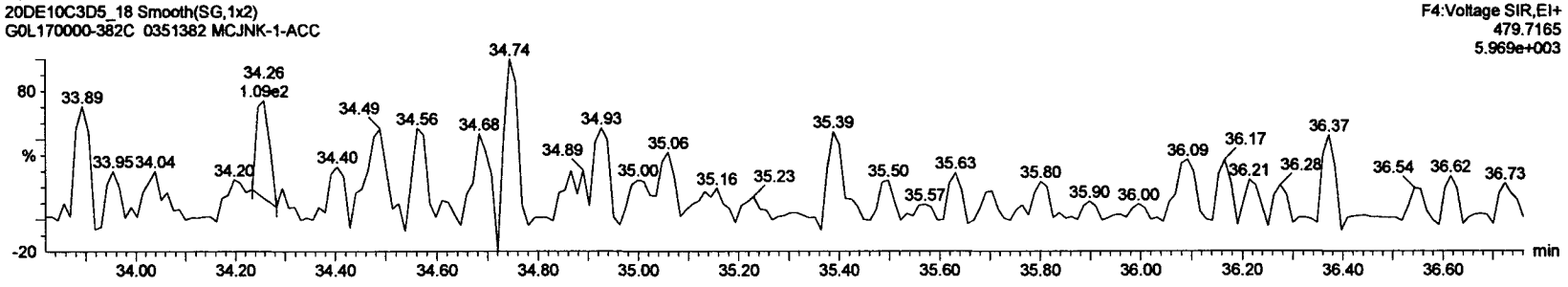
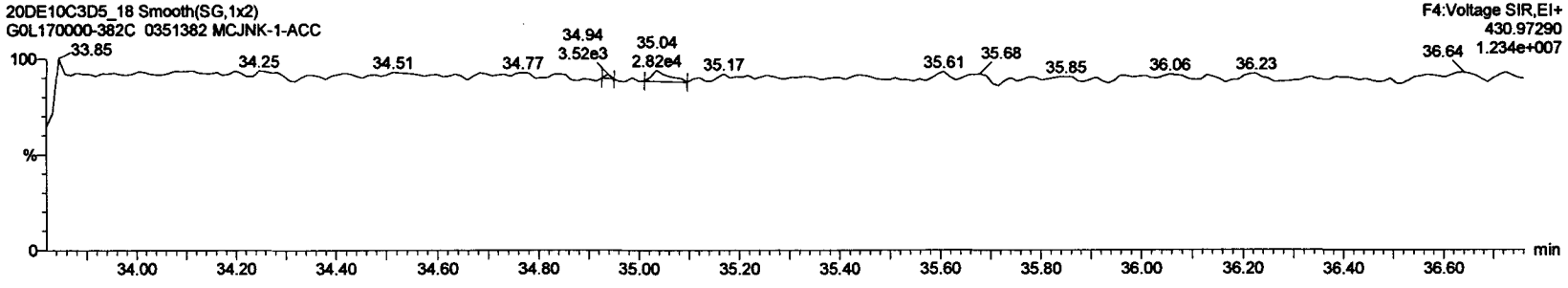


HpCDF PCDPE



Function 4 PFK



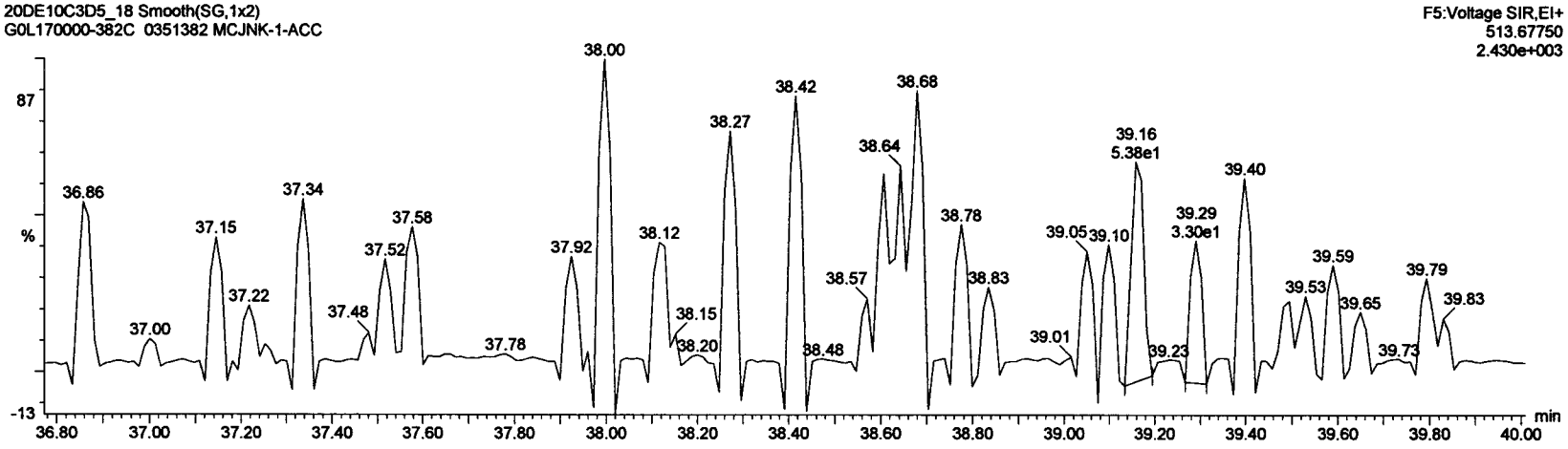
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

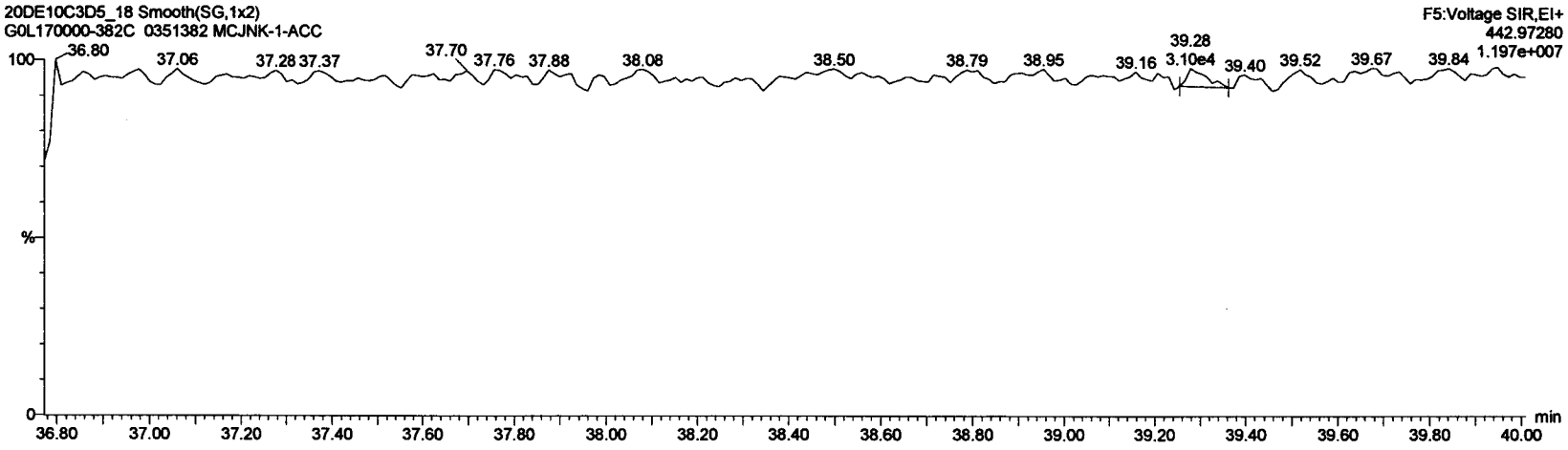
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_18, Date: 21-Dec-2010, Time: 05:54:17, ID: MCJNK-1-ACC, Description: G0L170000-382C 0351382

OCDF PCDPE



Function 5 PFK



Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:54:18 Pacific Standard Time

V8 1-22-11

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382, 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	18.67	18.69	1.000		3456649.75	4000.0000	4000.0000	100.0	2.7897	0.780	0.770	NO	
2																
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.13	18.17	1.330		4182523.88	3639.2570	3639.2570	91.0	2.0900	0.793	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.14	18.14	0.972		441785.58	434.8973	434.8973		0.6022	0.796	0.770	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.972			434.8973	434.8973		0.6022				
6																
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.88	0.890		2856789.63	3714.7469	3714.7469	92.9	3.1348	0.769	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.500	18.90	18.90	1.009		323085.95	448.4448	448.4448		0.8437	0.790	0.770	NO	
9	Total TCDDs	319.8965	0.500		19.55	1.009			448.4448	448.4448		0.8437				
10																
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.90	18.89	0.649		2043.45	4.4059	0.0000	0.3	0.5552				
12																
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.49	23.51	0.971		3208580.63	3825.0021	3825.0021	95.6	3.1745	1.598	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.52	1.069		1911959.00	2229.4669	2229.4669		2.0195	1.594	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.94	1.028		1792577.56	2172.9598	2172.9598		2.0994	1.571	1.550	NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.049			4402.4266	4402.4266		2.0587				
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.049						0.3166				
18																
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.67	25.72	0.715		2414338.19	3906.2424	3906.2424	97.7	3.4113	1.583	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	25.71	25.70	0.884		1185918.03	2222.4135	2222.4135		2.5110	1.581	1.550	NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.884			2222.4135	2222.4135		2.5110				
22																
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.66	32.74	1.000		2373334.88	4000.0000	4000.0000	100.0	3.4633	1.226	1.240	NO	
24																
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.35	1.084		2289516.44	3558.4263	3558.4263	89.0	4.2336	0.511	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.219		1458608.00	2091.3441	2091.3441		1.5844	1.201	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.49	31.50	1.396		1701654.81	2129.2184	2129.2184		1.3827	1.194	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.14	32.14	1.237		1556504.38	2197.4780	2197.4780		1.5601	1.238	1.240	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.078		1349843.06	2187.2181	2187.2181		1.7906	1.224	1.240	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.233			8605.2587	8605.2587		1.5663				
31																
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.37	32.37	0.894		2194856.13	4135.5632	4135.5632	103.4	3.8718	1.259	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.30	32.30	1.028		1060154.72	1880.0378	1880.0378		1.6806	1.226	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.38	32.38	1.111		1344968.50	2207.1865	2207.1865		1.5553	1.229	1.240	NO	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.68	32.68	1.113		1270182.63	2080.2632	2080.2632		1.5521	1.200	1.240	NO	

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382, 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			6167.4876	6167.4876		1.5938				
37																
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.19	0.881		1927889.88	3688.9368	3688.9368	92.2	8.4268	0.472	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.22	34.23	1.402		1521101.75	2251.5967	2251.5967		2.8282	1.093	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.35	35.34	1.199		1252636.69	2167.4123	2167.4123		3.3059	1.041	1.040	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.300			4419.0091	4419.0091		3.0485				
42	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	34.99	0.857		1795756.69	3529.9077	3529.9077	88.2	5.1651	1.086	1.040	NO	
43	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.04	35.05	0.981		998370.06	2266.7199	2266.7199		4.0676	1.031	1.040	NO	
44	Total HpCDDs	423.7766	0.500		-0.04	0.981			2266.7199	2266.7199		4.0676				
45																
46	13C-OCDD	469.7779	0.500	37.49	37.43	0.643		2885559.63	7561.4978	7561.4978	94.5	11.1088	0.864	0.890	NO	
47	OCDF	441.7428	0.500	37.60	37.60	1.477		2276336.25	4272.6557	4272.6557		5.0005	0.859	0.890	NO	
48	OCDD	457.7377	0.500	37.50	37.50	1.196		1886381.19	4372.0481	4372.0481		6.0920	0.919	0.890	NO	
49																
50	Function 1 PFK	330.97920	1.000		0.00											
51	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 PCDPE	375.8364	1.000		20.25	17.814						0.0000				
58	F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109						0.0000				
59	F2 PeCDF PCDPE	409.7974	1.000	28.30	28.29	51.063		9.99	0.1957		19.6	2.8511				
60	HXCDF PCDPE	445.7555	1.000		33.24	21.191						0.0000				
61	HPCDF PCDPE	479.7165	1.000		34.27	39.173						0.0000				
62	OCDF PCDPE	513.67750	1.000		39.16	27.302						0.0000				

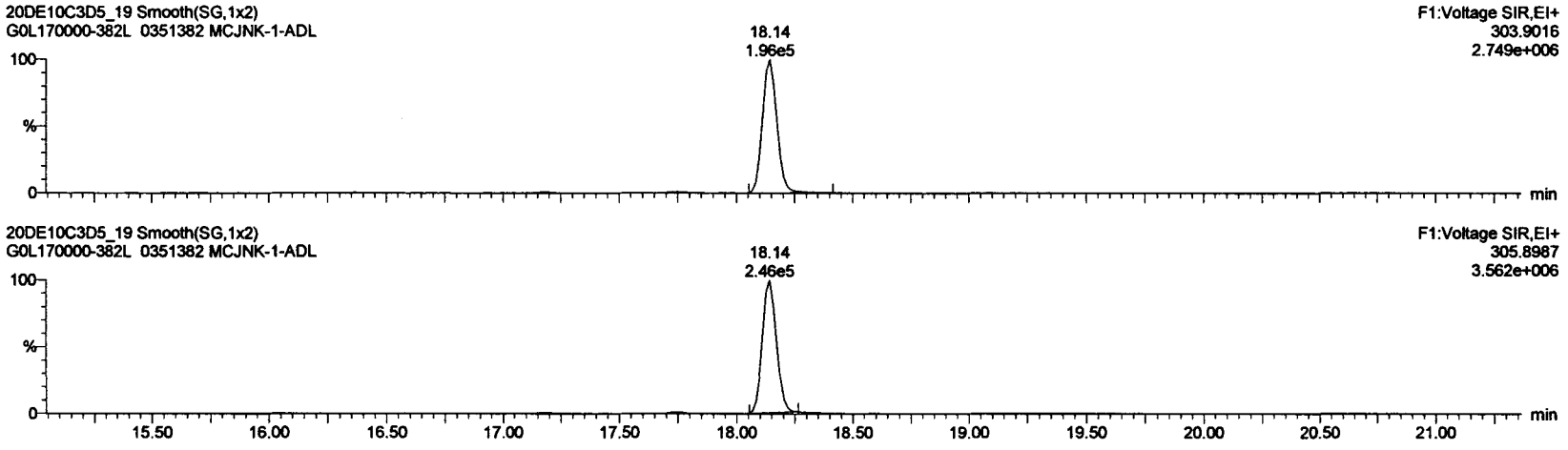
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

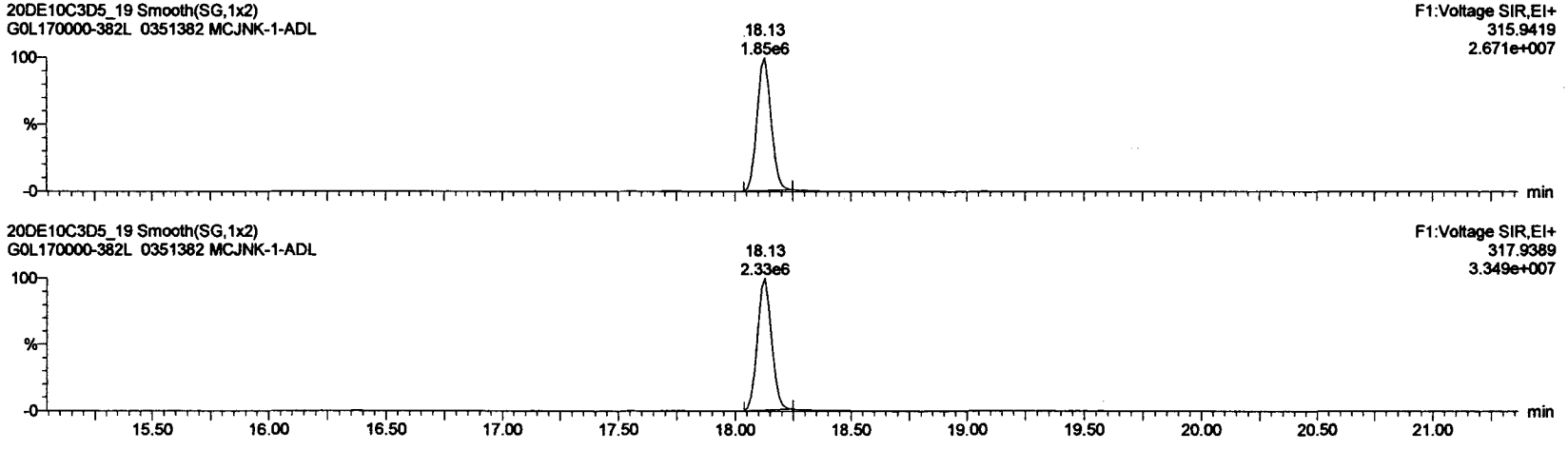
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

TCDFs



13C-TCDF



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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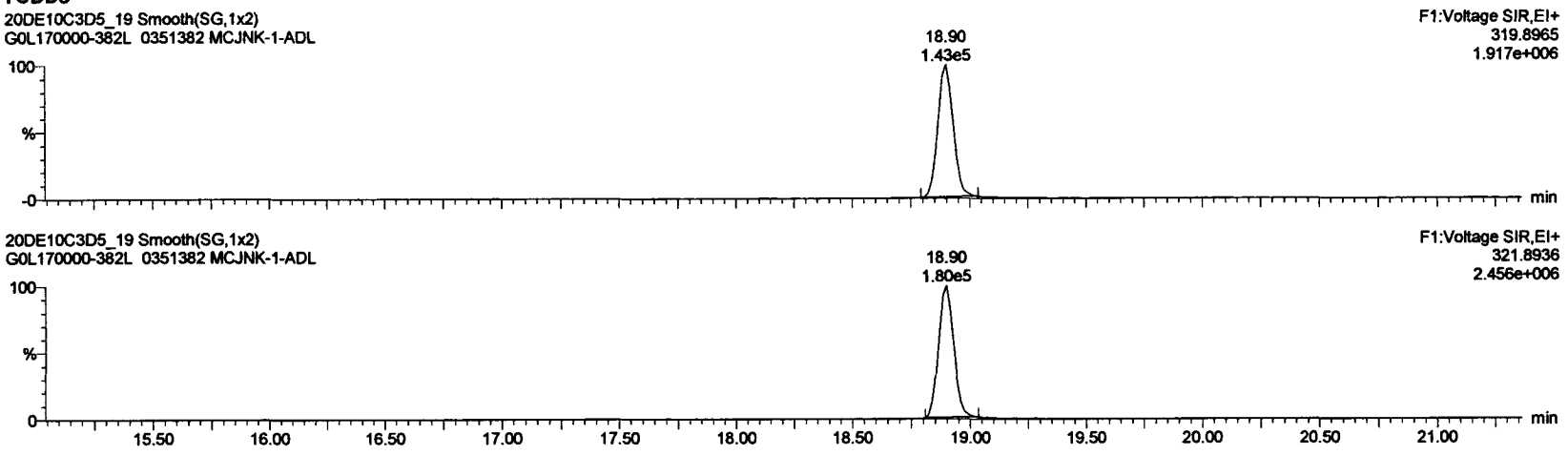
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

TCDDs



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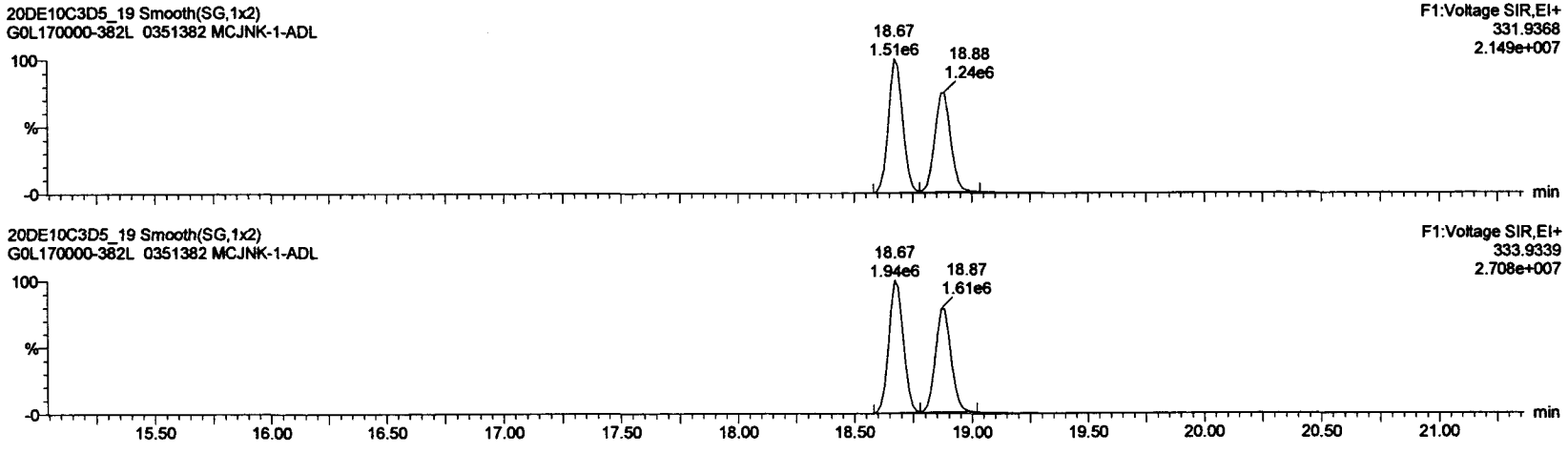

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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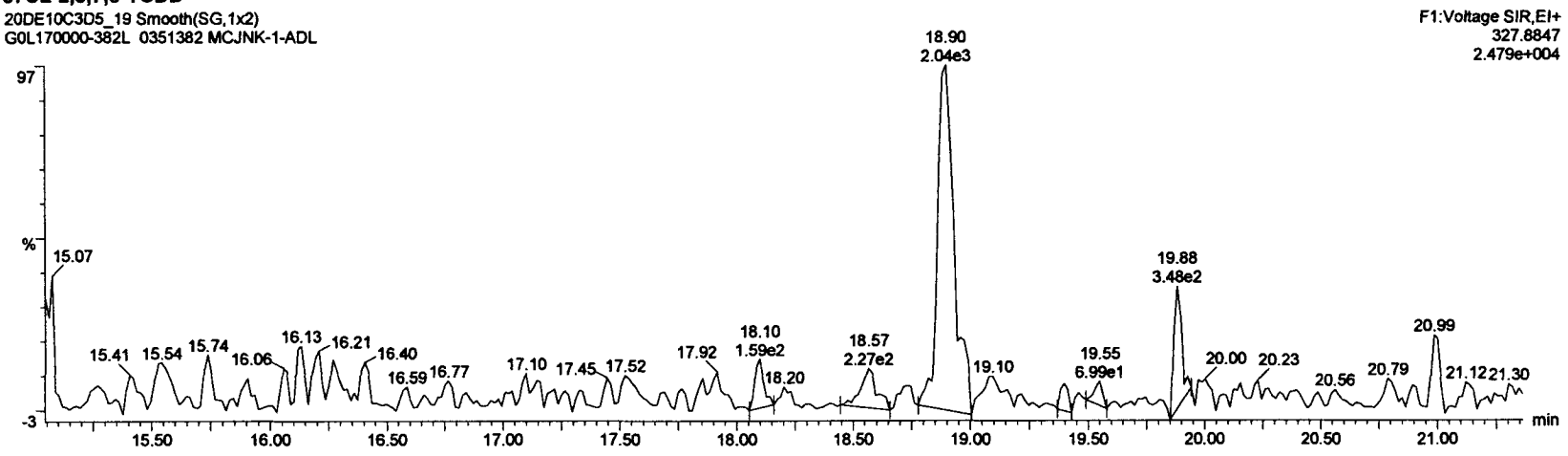
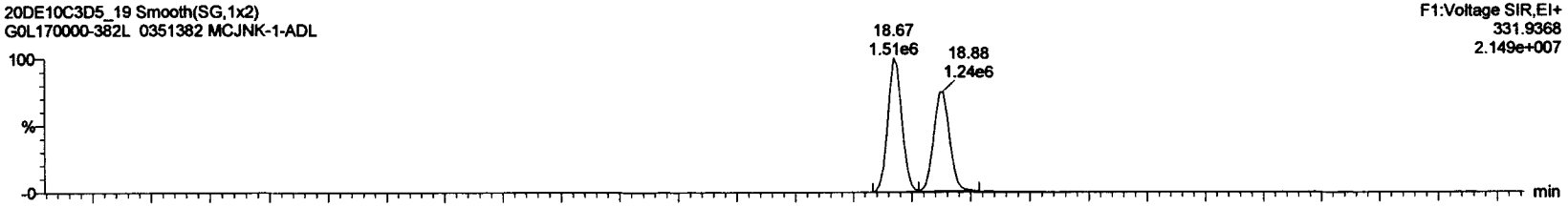
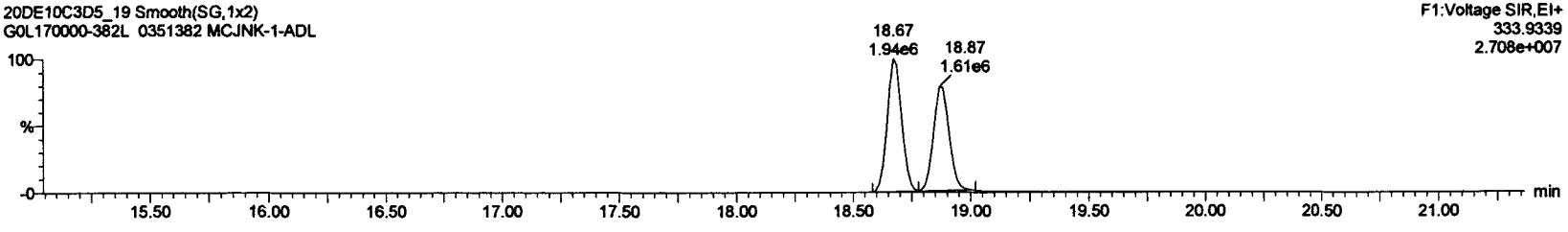
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

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



13C-TCDDs





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

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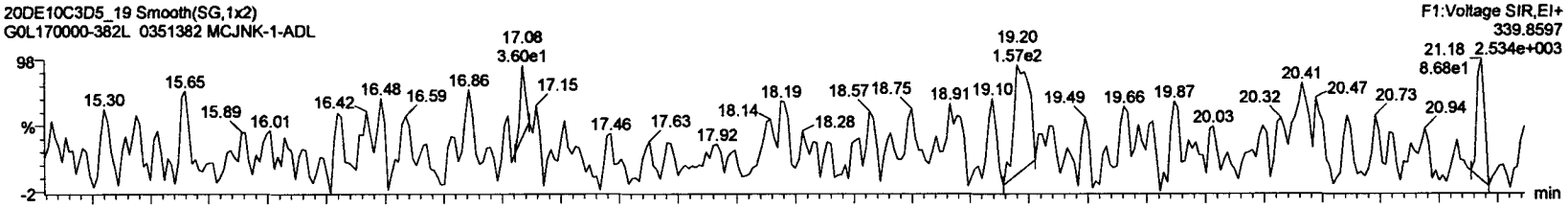
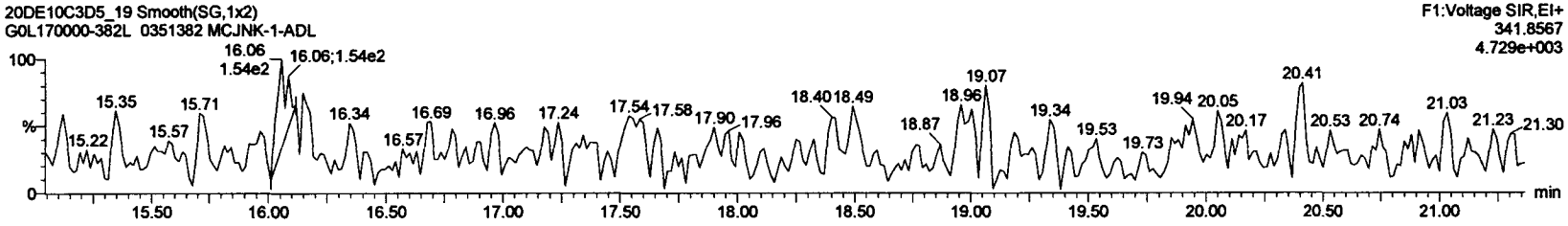
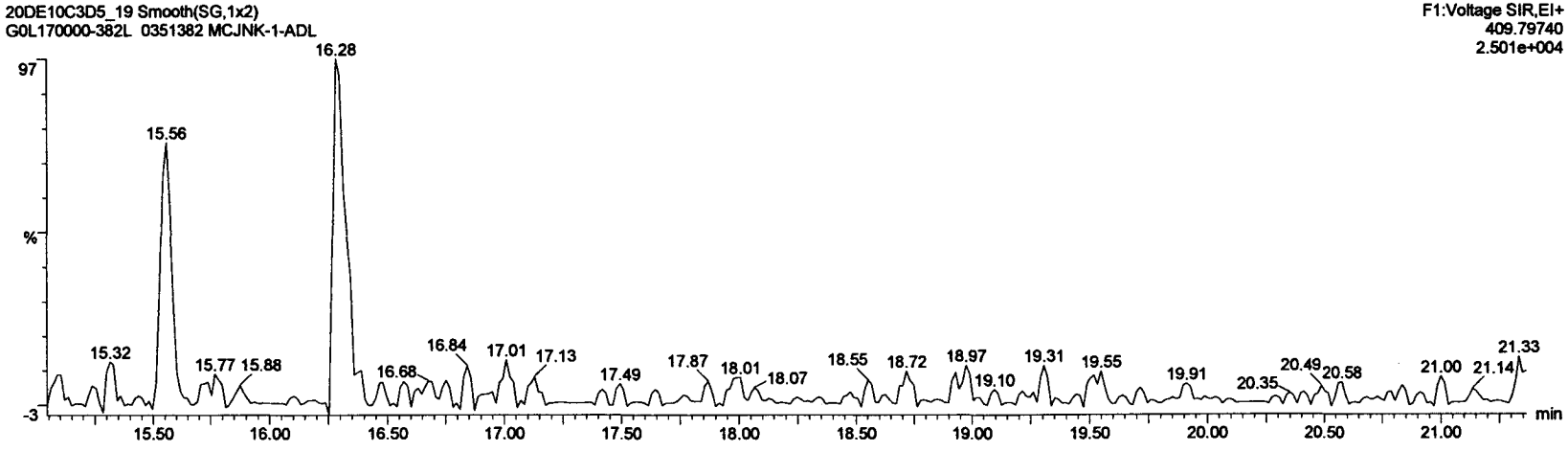
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

F1 PeCDFs





F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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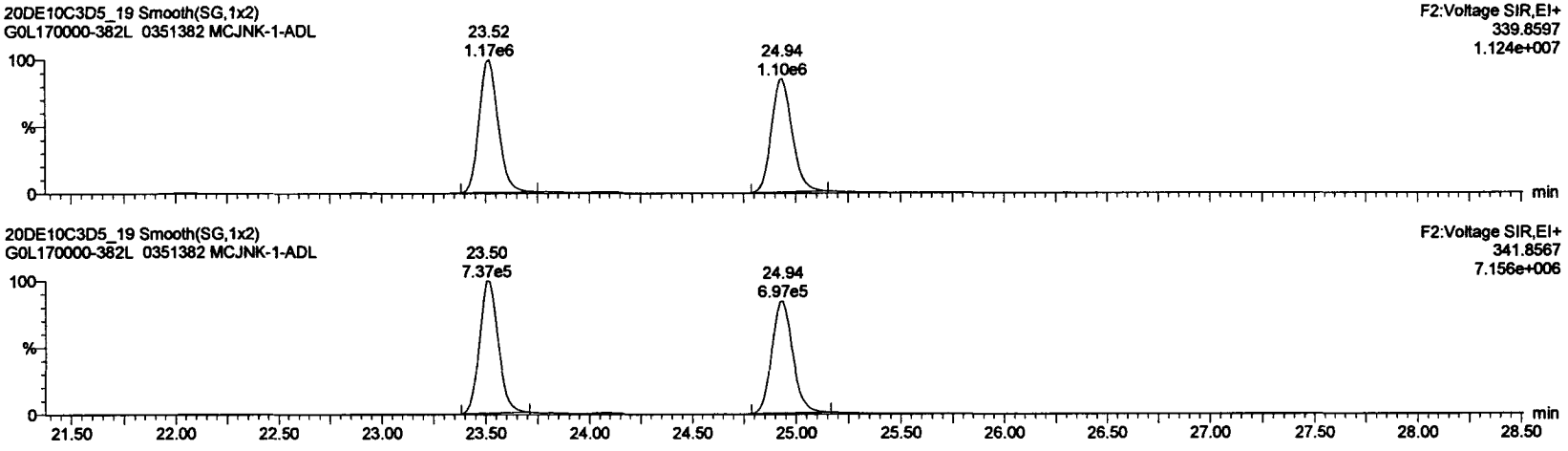
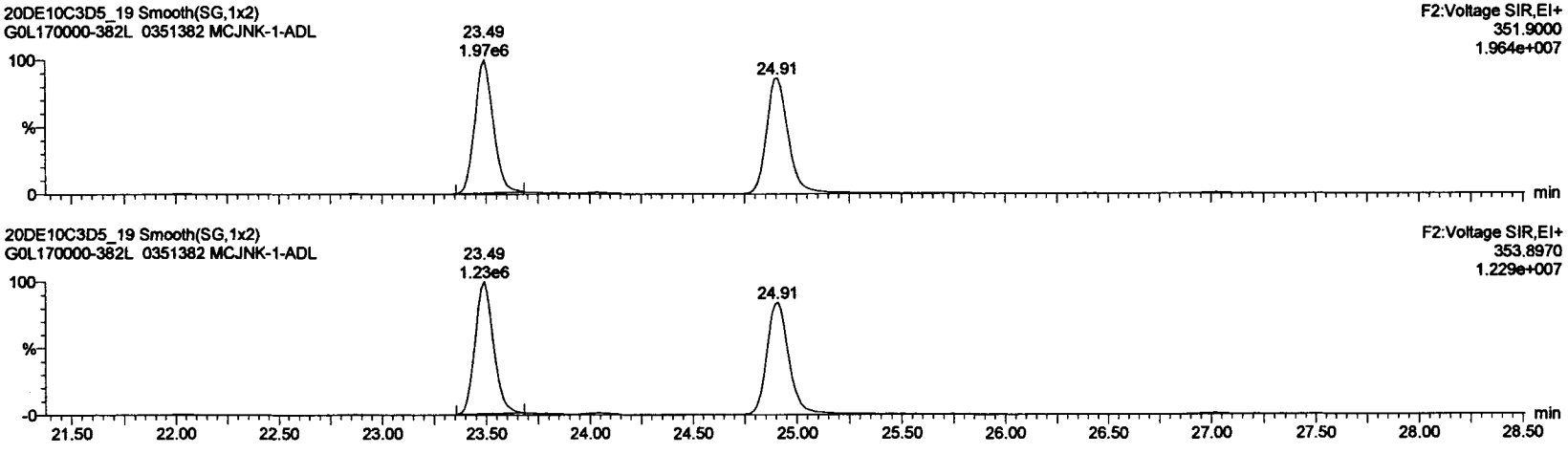
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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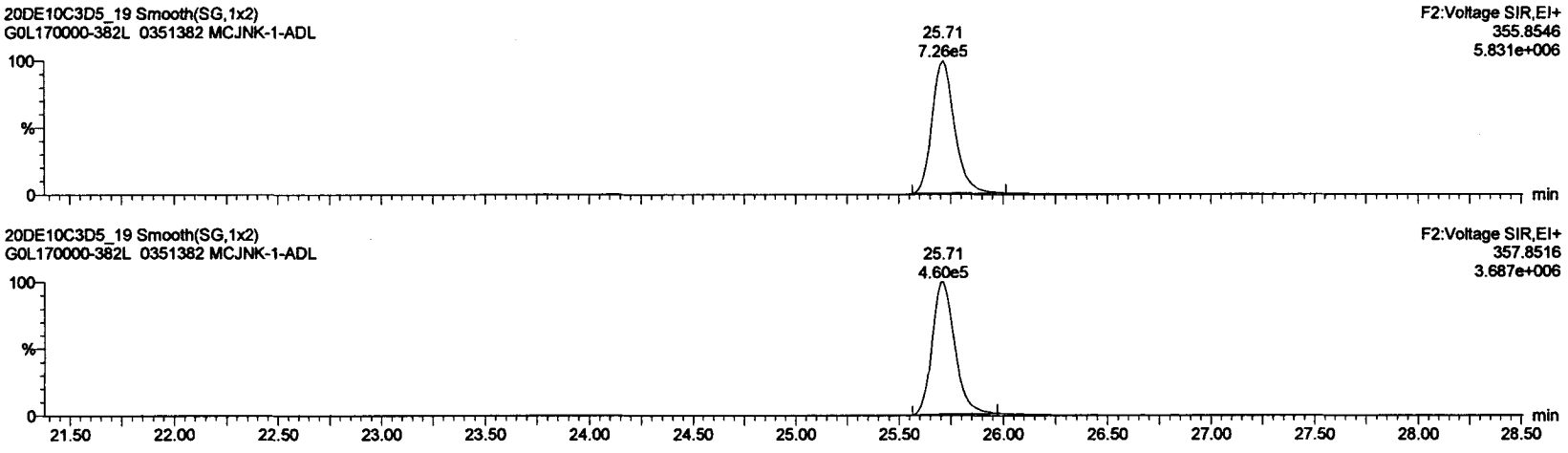
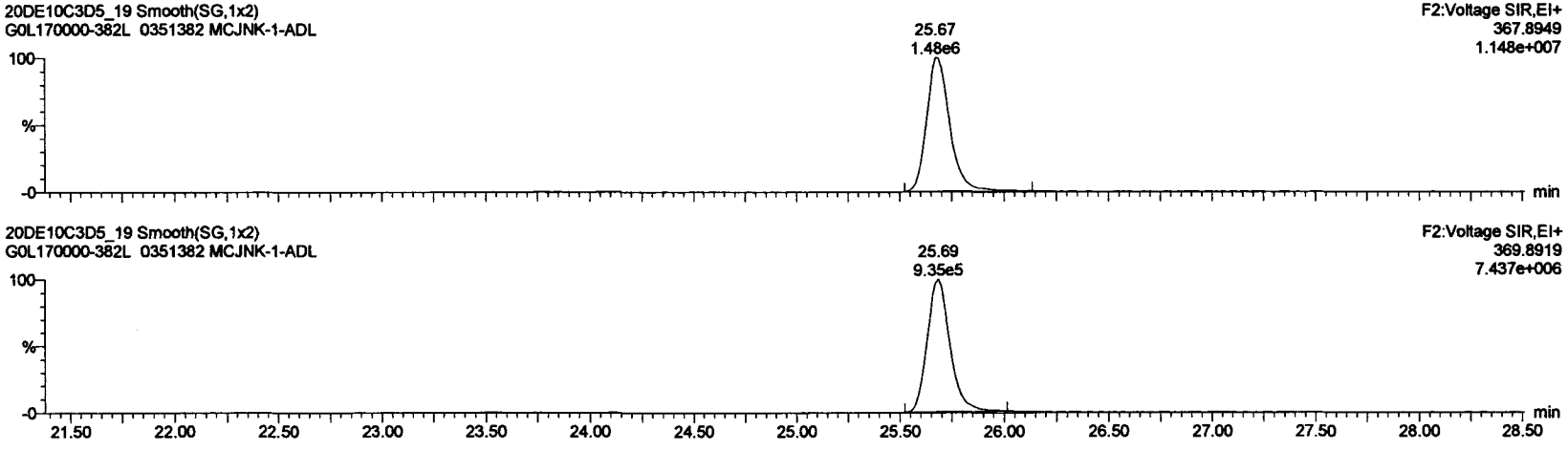
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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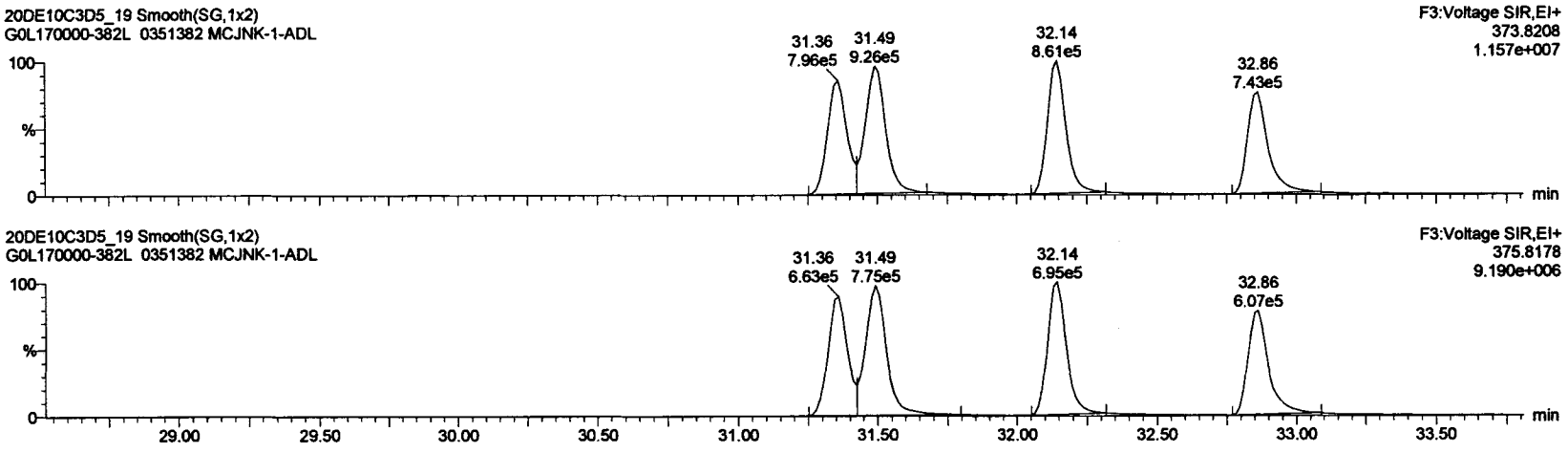
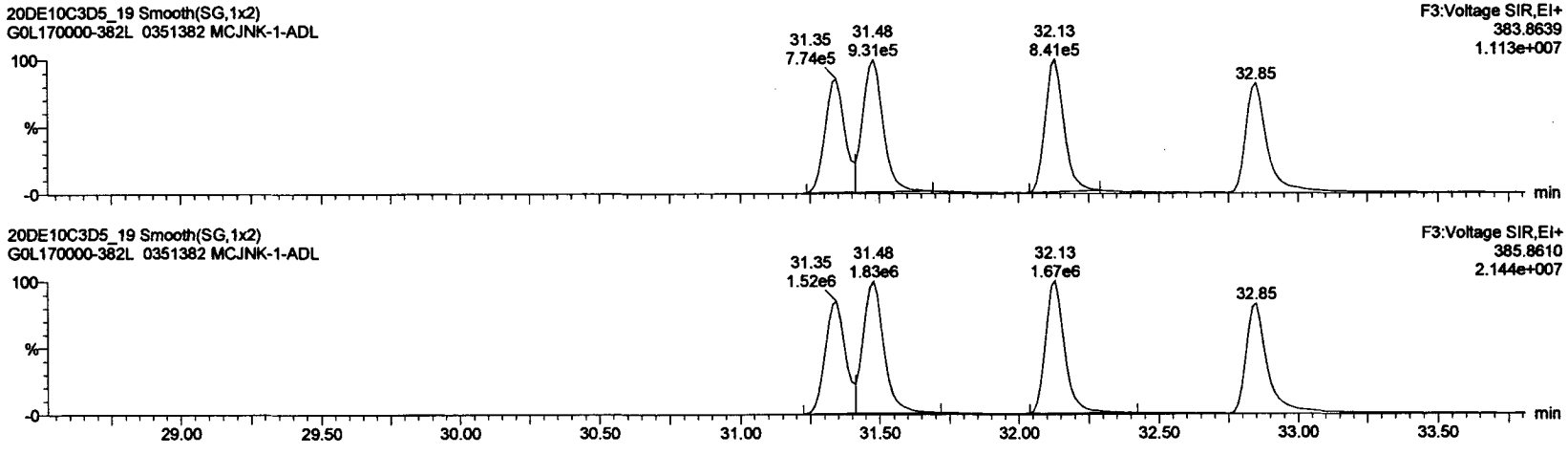
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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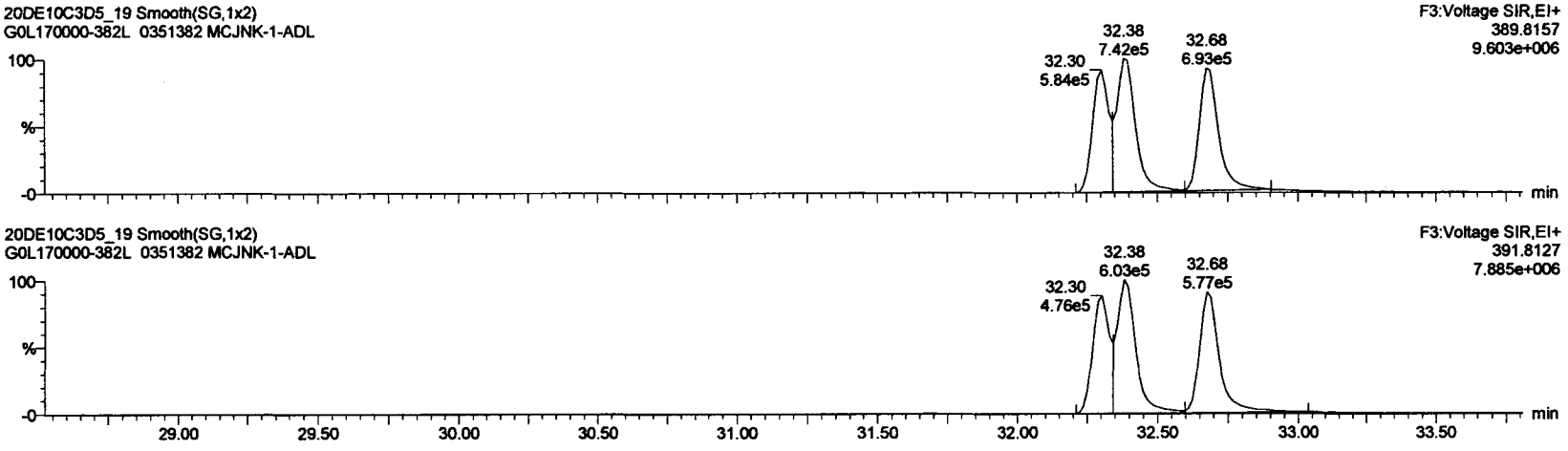
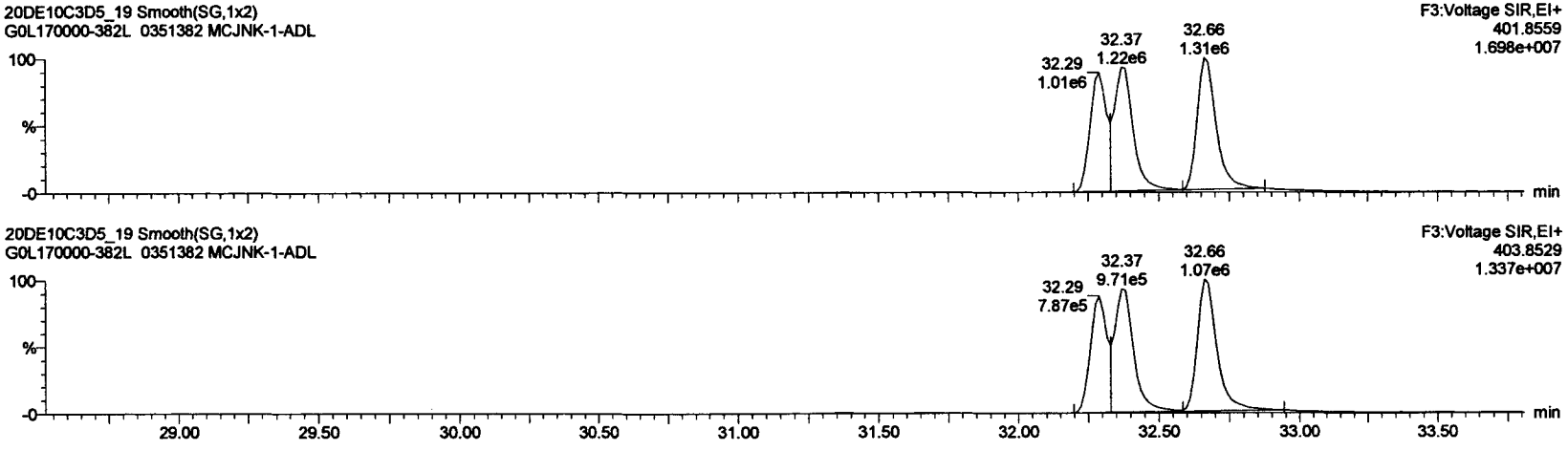
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

HxCDDs



13C-HxCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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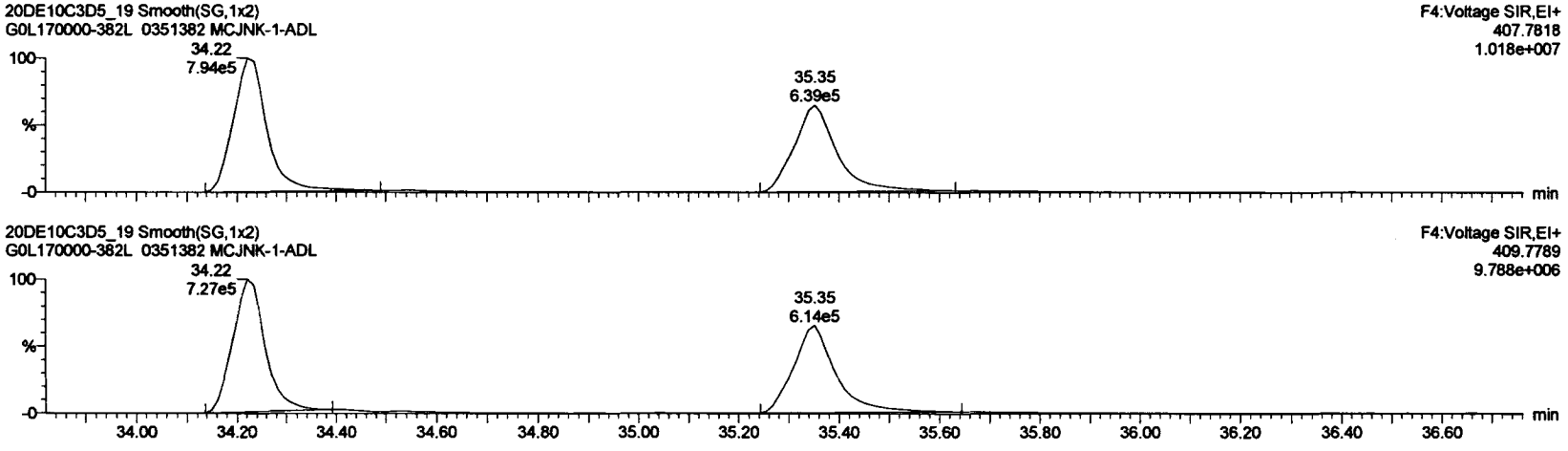
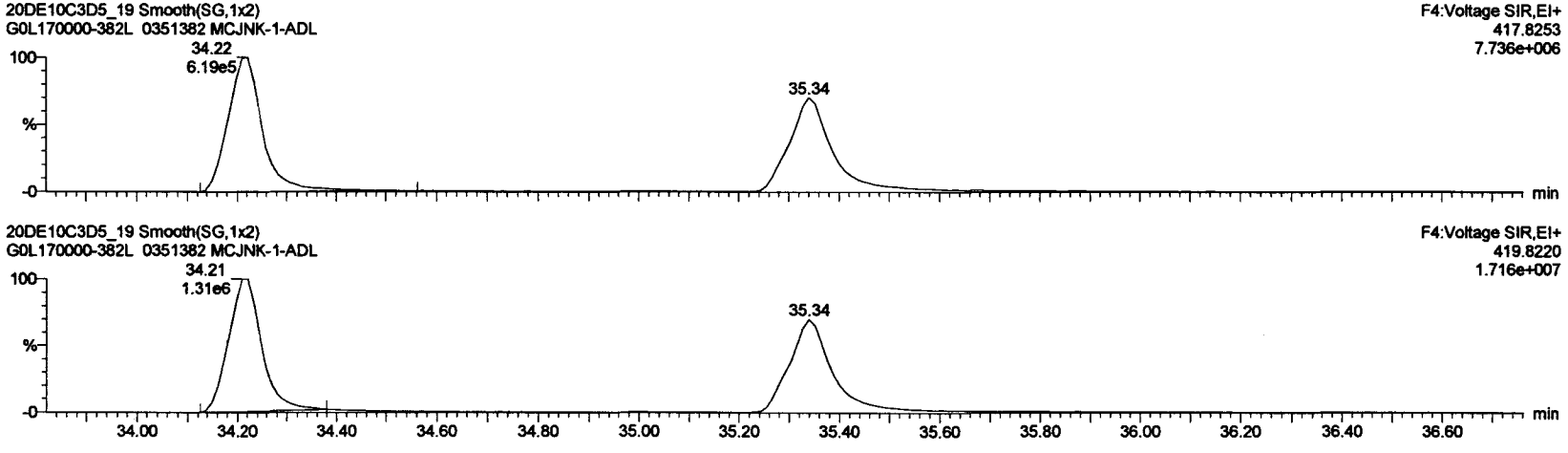
Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

HpCDFs



13C-HpCDFs



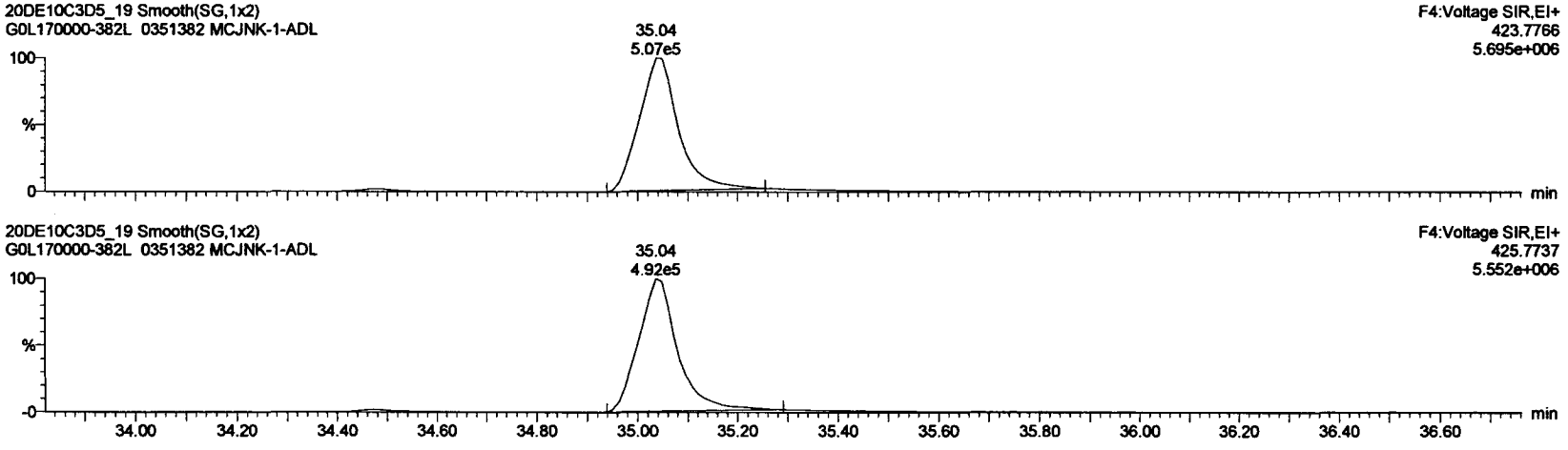
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

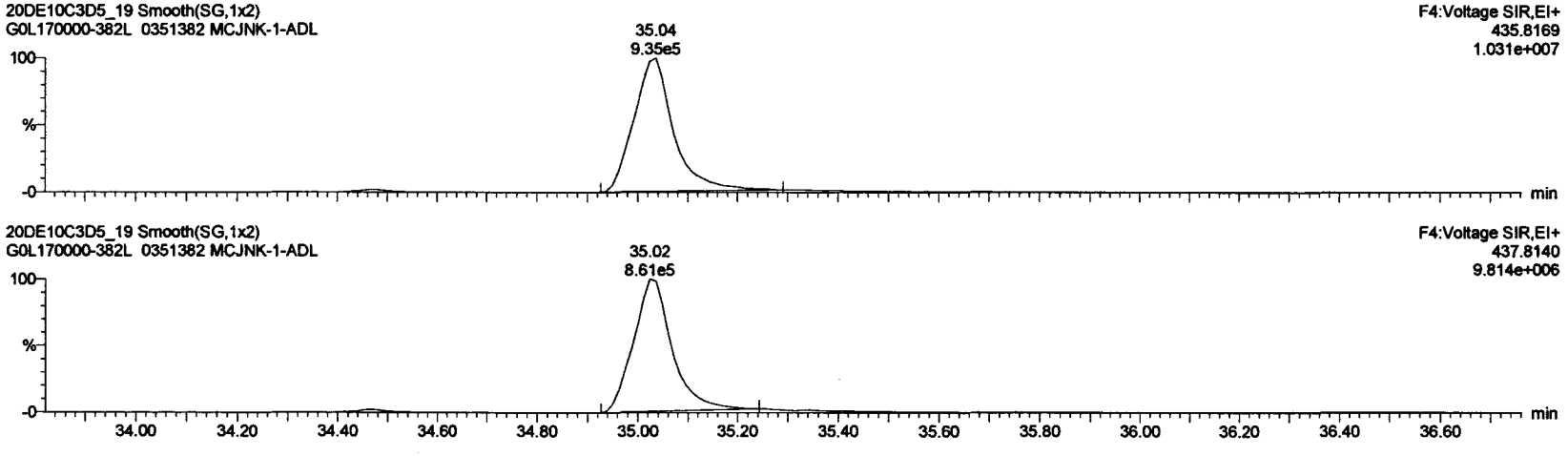
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

HpCDDs



13C-HpCDD



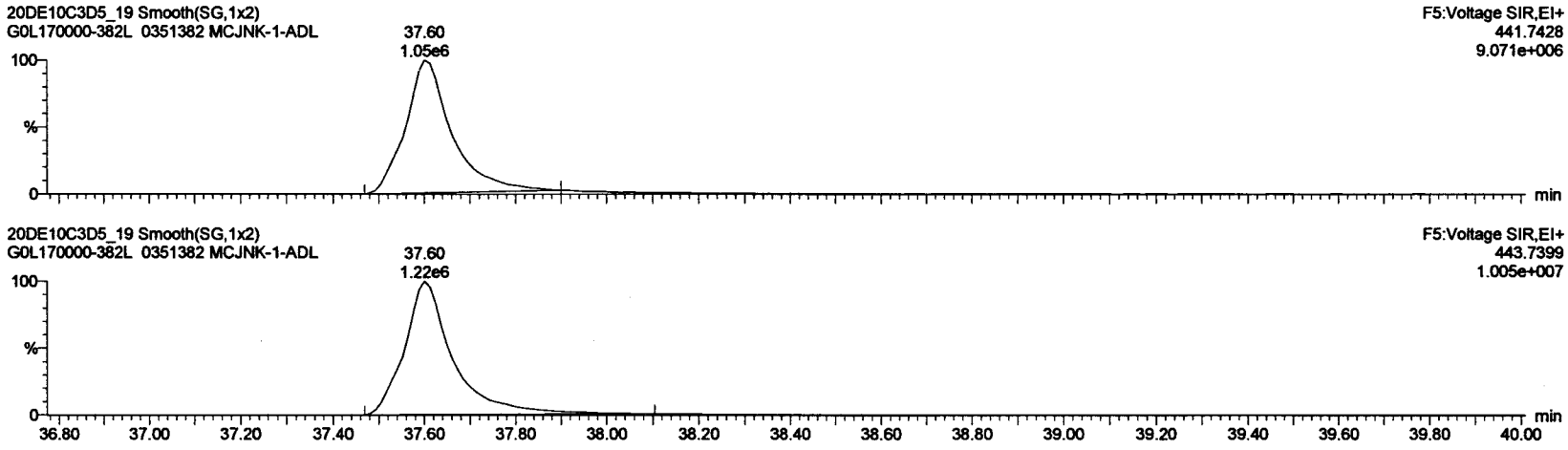
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

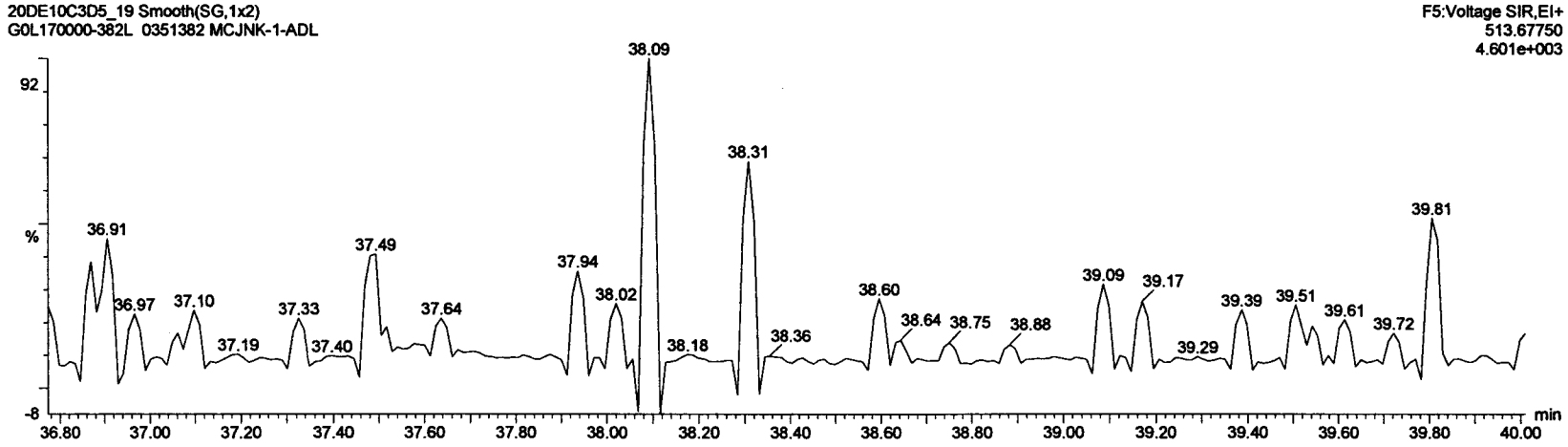
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

OCDFs



OCDF PCDPE



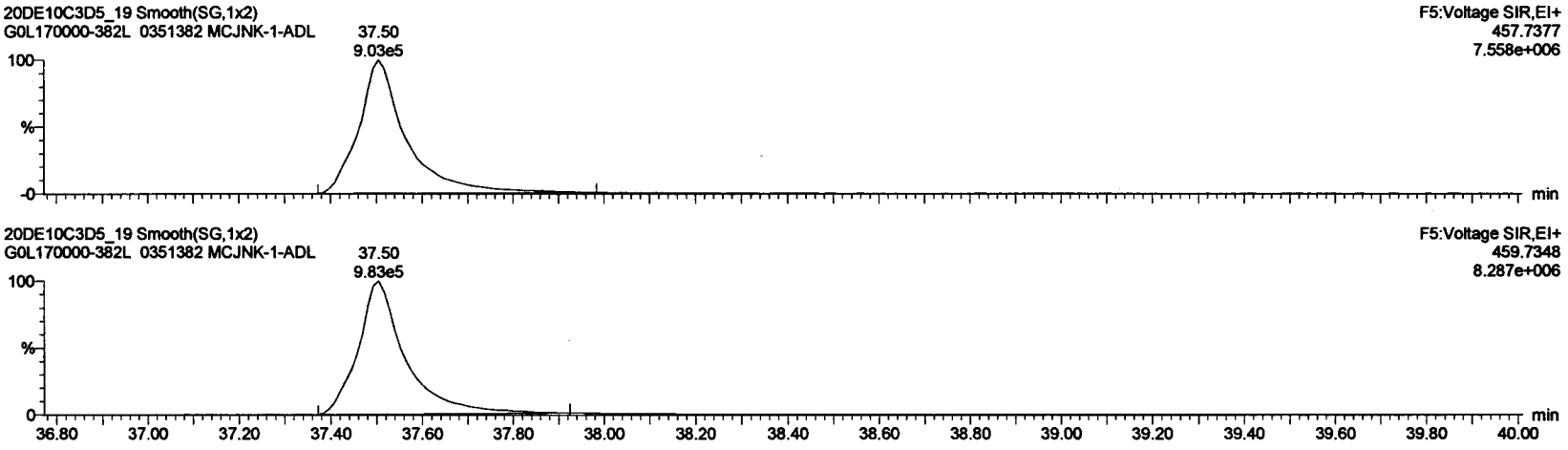
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

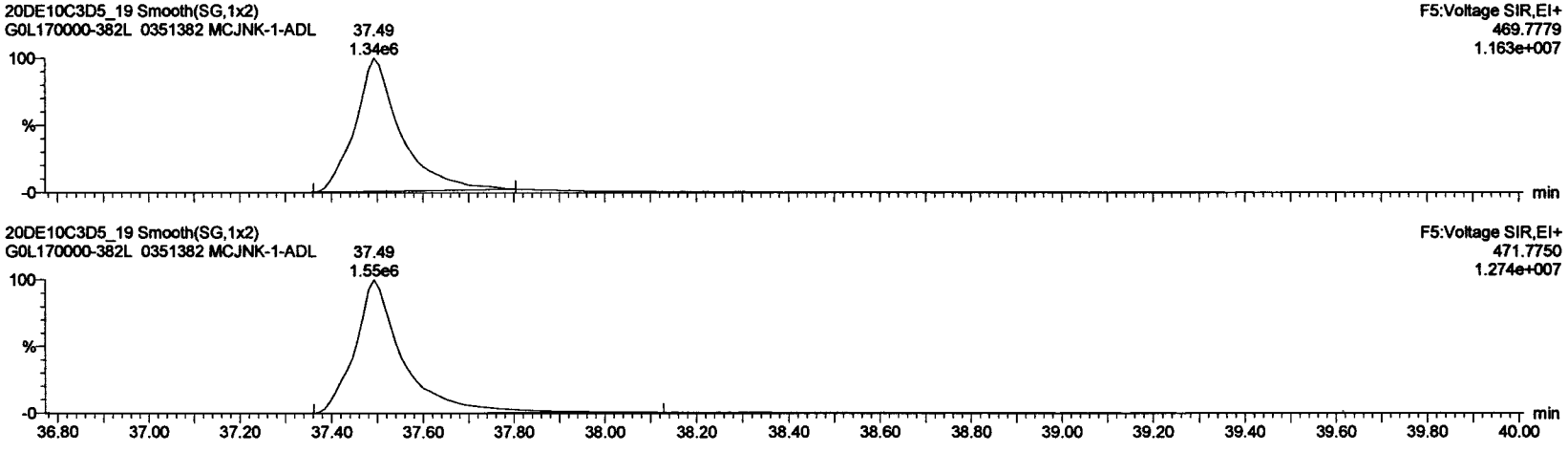
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

OCDD



13C-OCDD



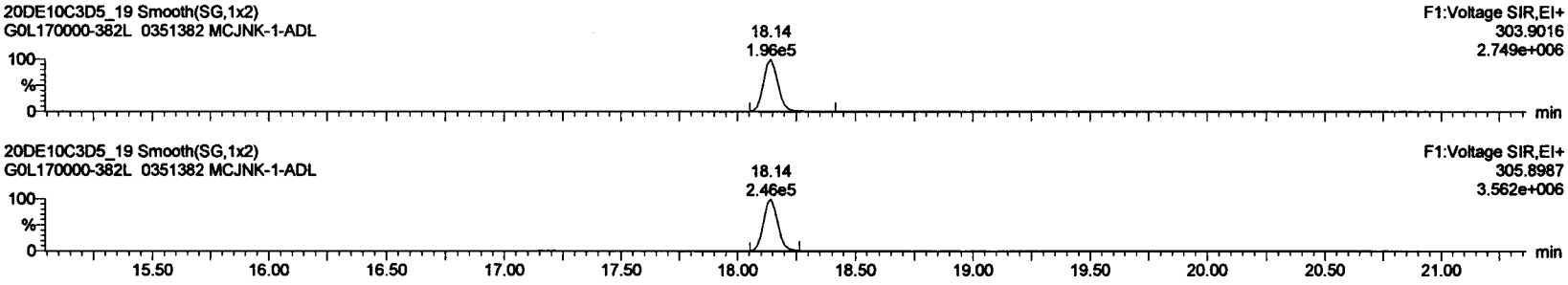
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

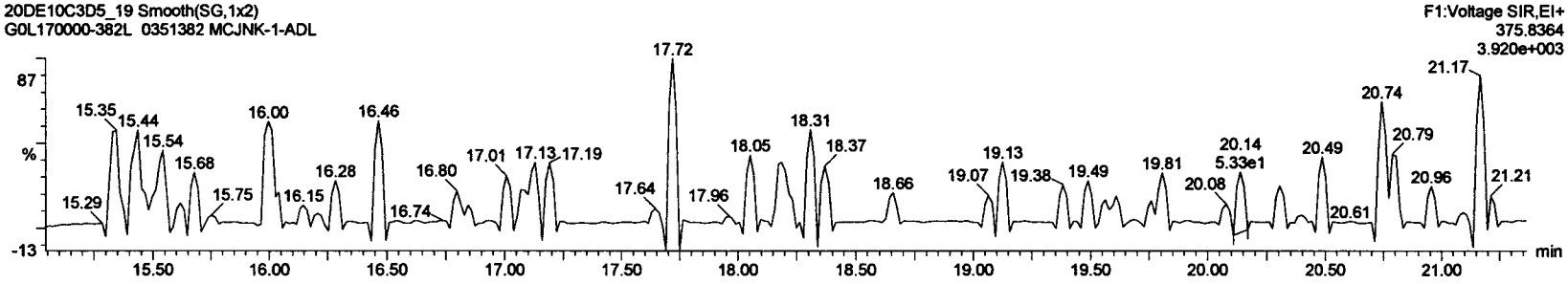
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

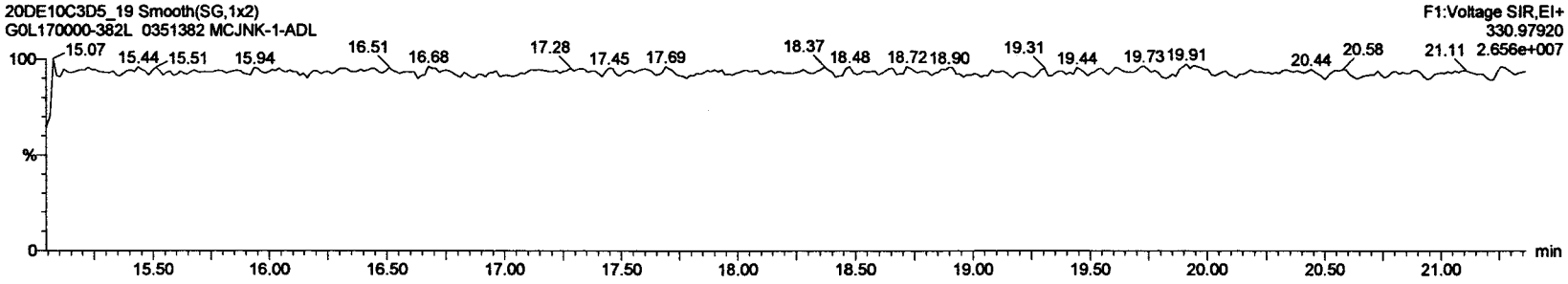
TCDFs



TCDF PCDPE



Function 1 PFK



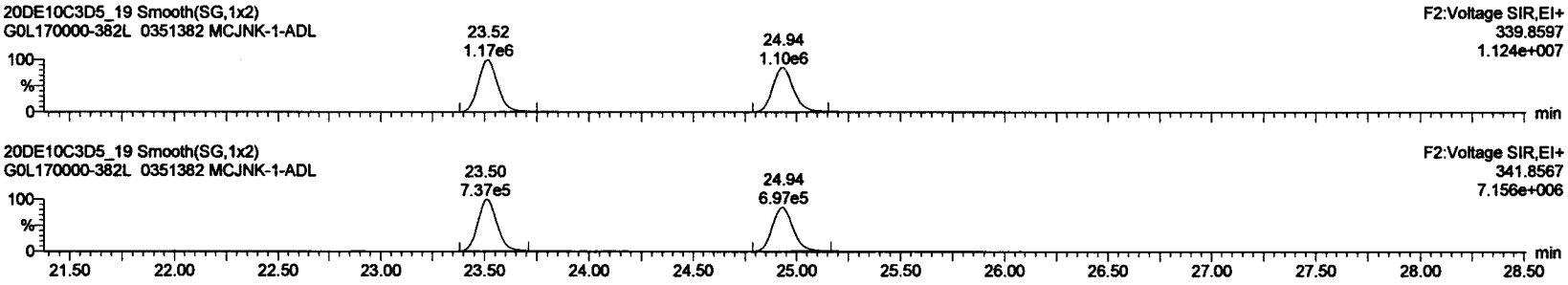
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

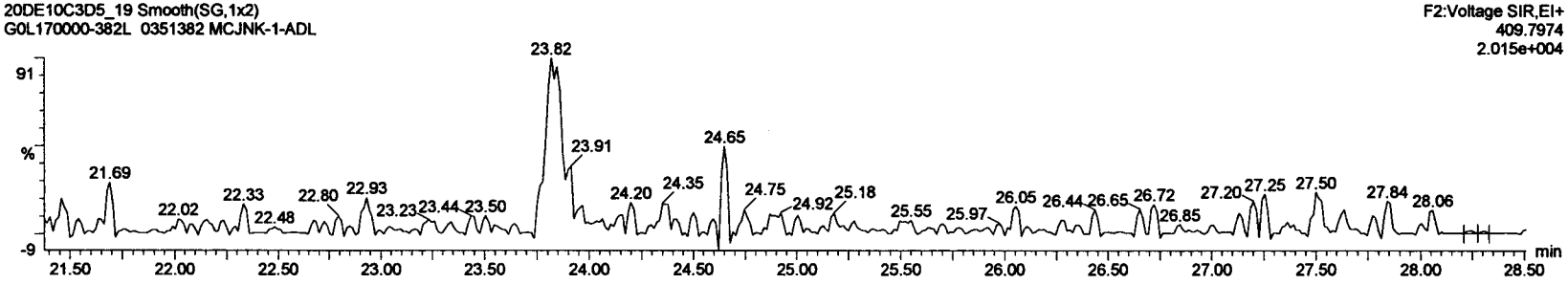
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

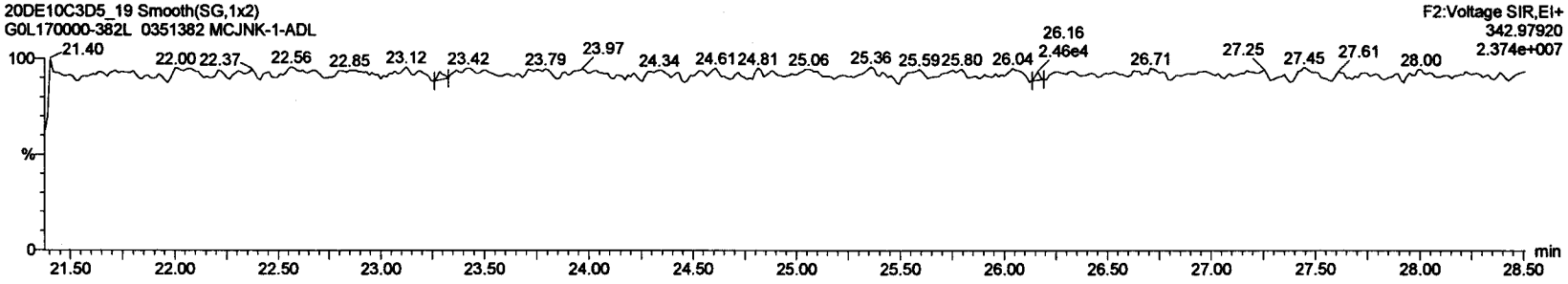
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



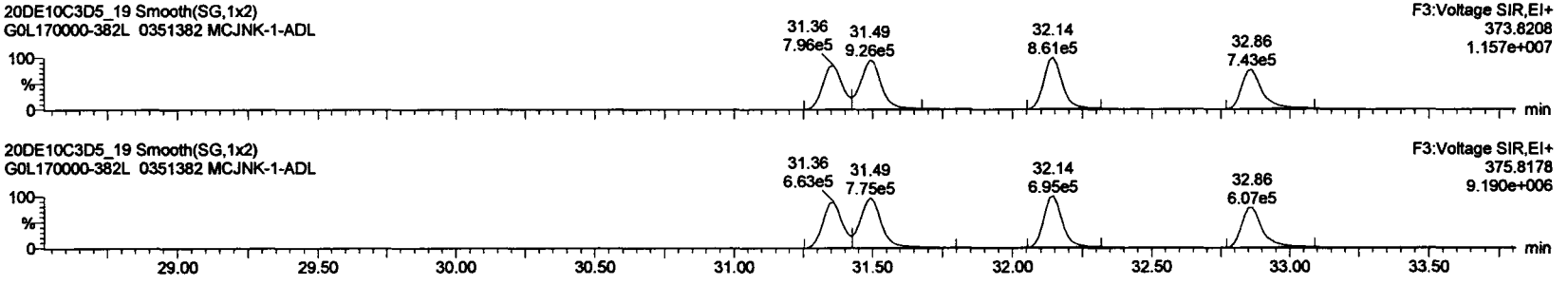
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

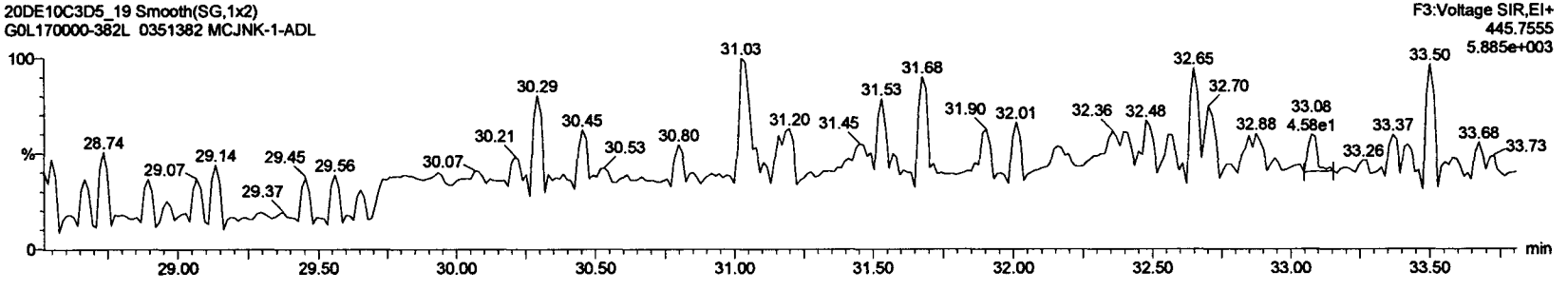
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

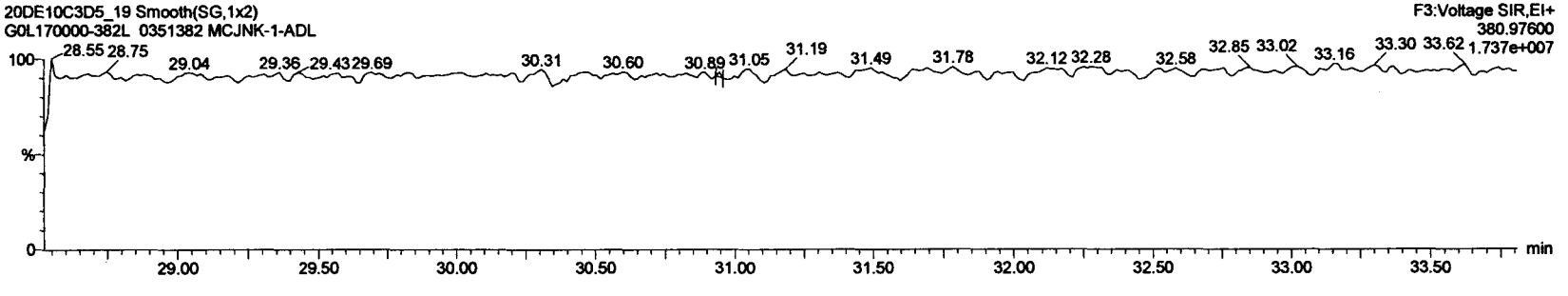
HxCDFs



HxCDF PCDPE



Function 3 PFK



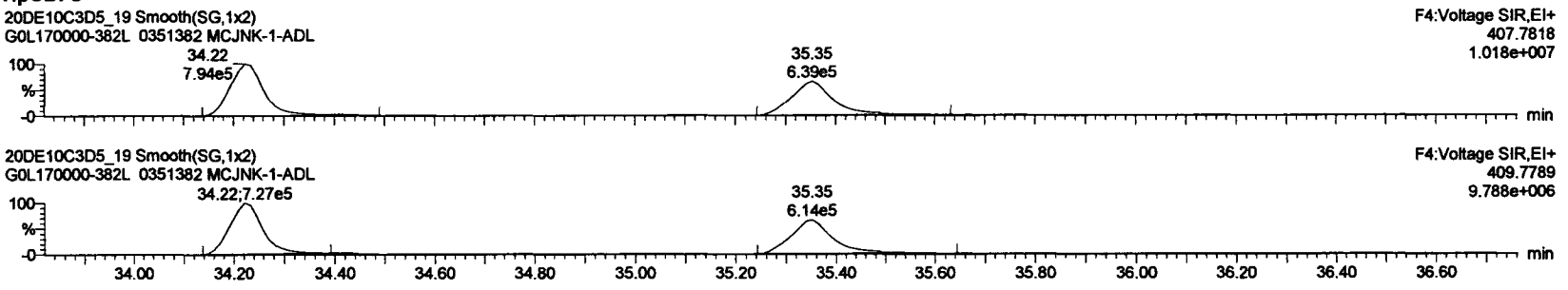
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

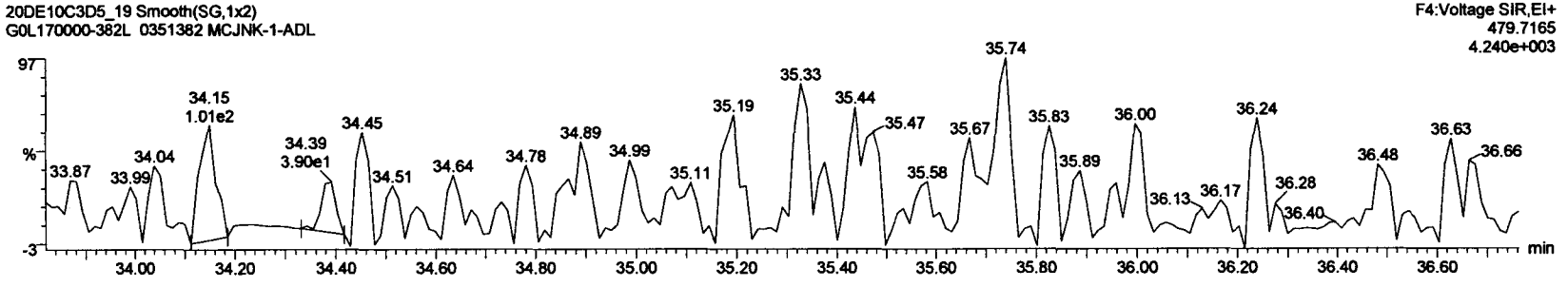
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

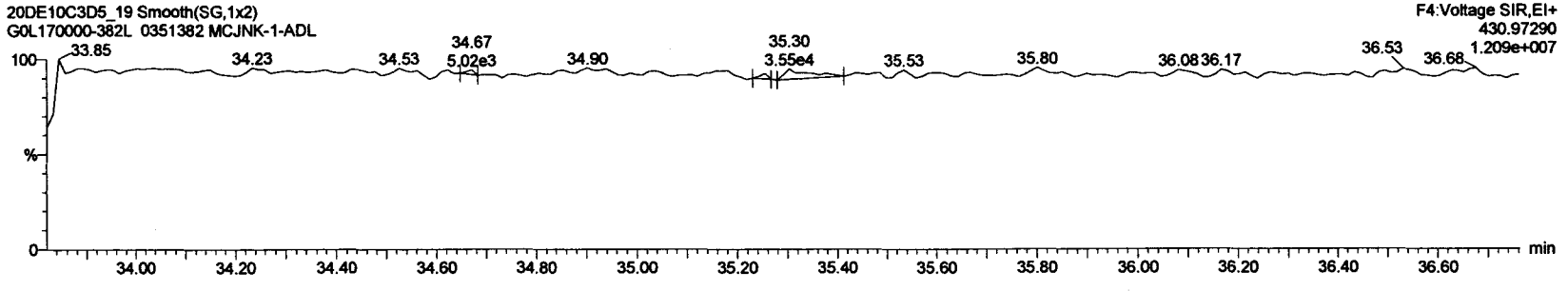
HpCDFs



HpCDF PCDPE



Function 4 PFK



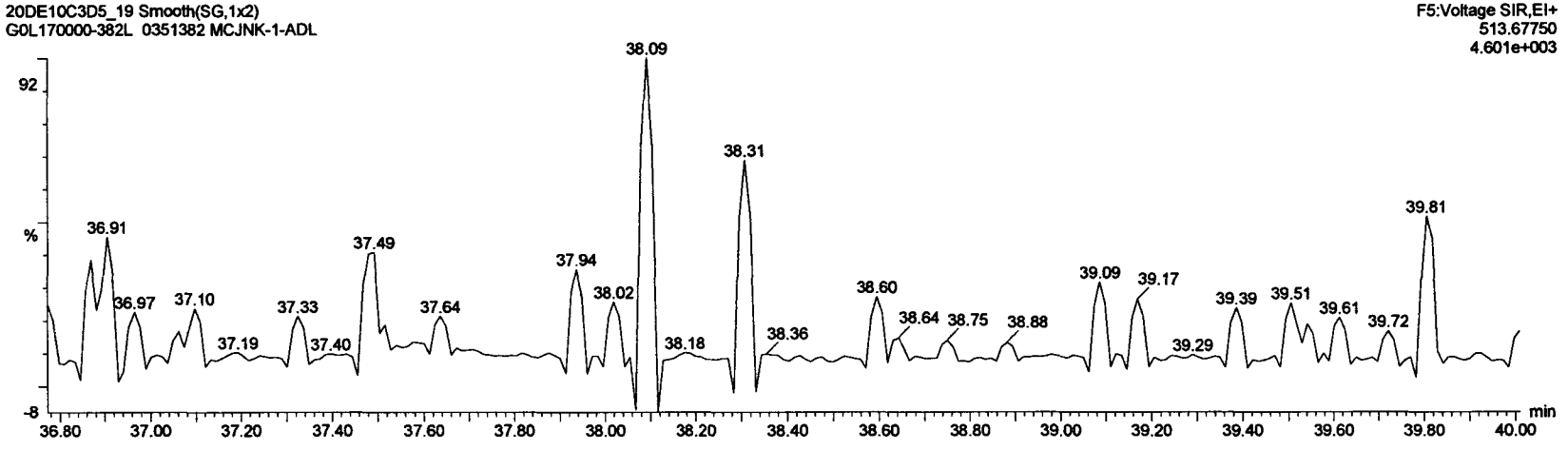
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

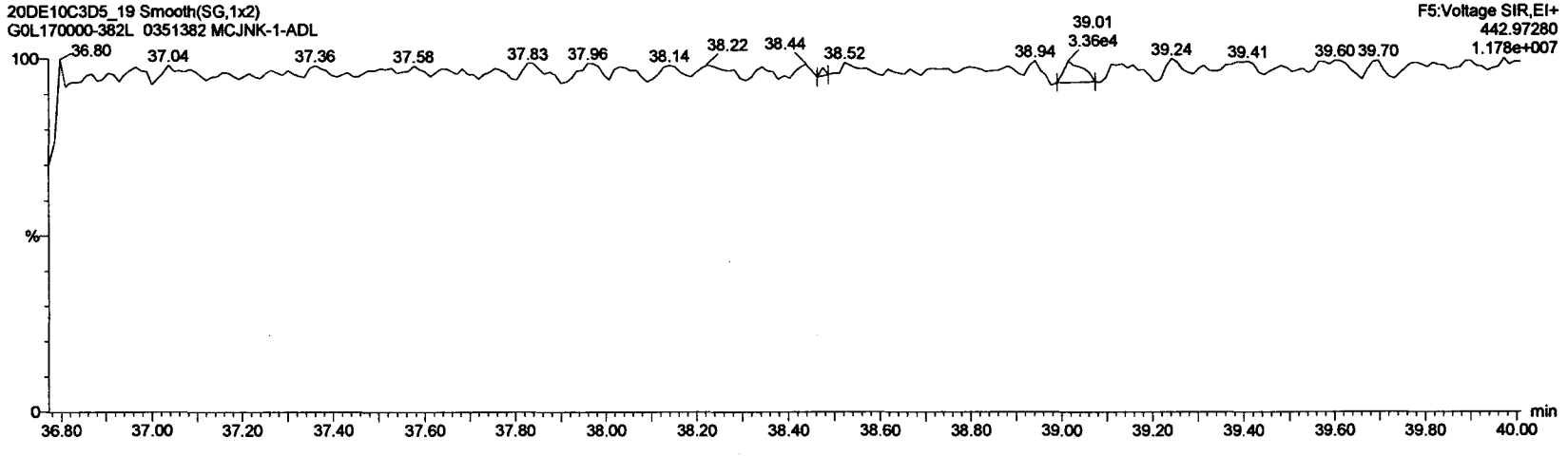
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_19, Date: 21-Dec-2010, Time: 06:36:36, ID: MCJNK-1-ADL, Description: G0L170000-382L 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:05:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:09:26 Pacific Standard Time

VS 12.22.10

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_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.70	1.000	3581179.13	4000.0000	4000.0000	100.0	2.8358	0.763	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	4234262.50	3556.1610	3556.1610	88.9	1.9229	0.788	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.16	0.972	7049.26	6.8546	6.8546 J		0.5560	0.847	0.770	NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		35.2100	33.3961 ✓		0.5560				
6															
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	2962437.00	3718.1716	3718.1716	93.0	3.1866	0.764	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000		18.93	1.009			ND		0.7564		0.770		
9	Total TCDDs	319.8965	0.50000		19.55	1.009		1.3088	~~1.1291~~		0.7564				
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	812506.00	1689.3594	0.0000	105.6	1.3841				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.49	23.54	0.971	3318029.50	3817.9330	3817.9330	95.4	3.6029	1.582	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.52	23.52	1.069	4418.79	4.9826	4.9826 J		0.7938	1.696	1.550	NO	22-Dec-10
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.91	24.94	1.028	2786.96	3.2669	2.8180 JQ		0.8252	1.102	1.550	YES	
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		28.4185	27.3845		~~0.8092~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		2.8298 +	2.5312		~~0.6615~~				
18											= 29.91 ✓				
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.67	25.75	0.715	2431989.88	3797.9756	3797.9756	94.9	2.8946	1.554	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000	25.66	25.70	0.884	230.45	0.4287	~~0.3796~~		1.1780	1.166	1.550	YES	
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		0.4287	~~0.3796~~		1.1780				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.68	32.74	1.000	2483351.13	4000.0000	4000.0000	100.0	4.0047	1.223	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.35	31.36	1.084	2318525.75	3443.8722	3443.8722	86.1	5.5966	0.518	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.35	31.37	1.219	6634.82	9.3939	9.3939 J		0.8744	1.253	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.52	31.50	1.396	5152.44	6.3664	5.7288 JQ		0.7631	0.993	1.240	YES	22-Dec-10
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.13	32.14	1.237	1529.83	2.1328	2.1328 J		0.8610	1.173	1.240	NO	22-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.86	32.85	1.078	889.43	1.4232	1.2251 JQ		0.9882	1.602	1.240	YES	22-Dec-10
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		41.5553	40.5850 ✓		0.8644				
31															

Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:05:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:09:26 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.38	32.38	0.894	2214746.38	3988.1685	3988.1685	99.7	4.4771	1.140	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.32	32.32	1.028	625.14	1.0987	0.7496 DL		~~0.6694~~	0.607	1.240	YES	22-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.38	32.40	1.111	839.98	1.3661	1.3661 J		0.6194	1.370	1.240	NO	22-Dec-10
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.69	32.69	1.113	926.65	1.5040	1.5040 JB		0.6182	1.167	1.240	NO	22-Dec-10
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		7.4844	~~6.9452~~ 6.20 ✓		~~0.6348~~				
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.22	34.20	0.881	2009886.44	3675.4574	3675.4574	91.9	7.8990	0.449	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.23	34.23	1.402	17924.03	25.4495	25.4495 JB		0.8345	1.126	1.040	NO	22-Dec-10
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.36	35.34	1.199	4752.10	7.8870	7.8870 J		0.9755	0.981	1.040	NO	
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		47.1824	47.1824 ✓		0.8995				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	35.01	0.857	1880153.13	3532.0754	3532.0754	88.3	6.0662	1.006	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.05	35.06	0.981	3217.59	6.9774	6.9774 JB		0.7785	1.134	1.040	NO	22-Dec-10
45	Total HpCDDs	423.7766	0.50000		-0.02	0.981		14.9581	14.9581 ✓		0.7785				
46															
47	13C-OCDD	469.7779	0.50000	37.51	37.44	0.643	2840129.63	7112.7383	7112.7383	88.9	11.3001	0.910	0.890	NO	
48	OCDF	441.7428	0.50000	37.61	37.61	1.477	32244.13	61.4899	61.4899 J		1.5645	0.862	0.890	NO	
49	OCDD	457.7377	0.50000	37.53	37.52	1.196	12556.38	29.5673	29.5673 JB		1.0448	0.952	0.890	NO	22-Dec-10
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 PCDPE	375.8364	1.00000	20.25	20.25	17.814	33.72	1.8927		189.3	2.1641				
58	F1 PeCDF PCDPE	409.79740	1.00000		19.31	97.109					0.0000				
59	F2 PeCDF PCDPE	409.7974	1.00000	28.25	28.29	51.063	111.98	2.1929		219.3	3.8723				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.21	34.27	39.173	37.55	0.9586		95.9	3.4966				
62	OCDF PCDPE	513.67750	1.00000	39.17	39.16	27.302	24.71	0.9052		90.5	0.7707				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:05:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:09:26 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

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.50	646.884	0.6290	0.5657	0.97151	0.5560	0.968	0.770	YES 4.455
	5 Total TCDFs	303.9016	16.40	5922.447	5.7589	5.3956	0.97151	0.5560	0.889	0.770	YES 30.649
	5 Total TCDFs	303.9016	15.62	1458.614	1.4183	1.4183	0.97151	0.5560	0.841	0.770	NO 9.435
	5 Total TCDFs	303.9016	18.61	1137.347	1.1059	1.1059	0.97151	0.5560	0.723	0.770	NO 6.125
	4 2,3,7,8-TCDF	303.9016	18.17	7049.258	6.8546	6.8546	0.97151	0.5560	0.847	0.770	NO 27.139
	5 Total TCDFs	303.9016	17.76	4213.153	4.0968	3.8187	0.97151	0.5560	0.899	0.770	YES 19.918
	5 Total TCDFs	303.9016	17.58	2952.606	2.8711	2.8711	0.97151	0.5560	0.876	0.770	NO 13.568
	5 Total TCDFs	303.9016	17.45	3668.234	3.5669	3.5669	0.97151	0.5560	0.721	0.770	NO 12.163
	5 Total TCDFs	303.9016	17.20	3365.694	3.2727	2.7363	0.97151	0.5560	0.572	0.770	YES 19.800
	5 Total TCDFs	303.9016	16.98	2622.680	2.5502	2.2783	0.97151	0.5560	0.981	0.770	YES 9.520
	5 Total TCDFs	303.9016	16.66	3173.192	3.0855	2.7848	0.97151	0.5560	0.961	0.770	YES 10.776

Total TCDDs

	9 Total TCDDs	319.8965	16.90	451.648	0.6045	0.6045	1.00877	0.7564	0.738	0.770	NO 4.798
	9 Total TCDDs	319.8965	16.84	526.172	0.7043	0.5246	1.00877	0.7564	1.376	0.770	YES 4.336

Total F2 PeCDFs

	1. Total F2 PeCD...	339.8597	22.91	1665.759	1.9147	1.6712	1.04877	0.8092	1.130	1.550	YES 6.466
	1. Total F2 PeCD...	339.8597	22.07	8251.351	9.4847	9.4847	1.04877	0.8092	1.579	1.550	NO 21.805
	1. Total F2 PeCD...	339.8597	21.84	1511.612	1.7376	1.5600	1.04877	0.8092	1.840	1.550	YES 4.693
	1. 2,3,4,7,8-PeCDF	339.8597	24.91	2786.961	3.2669	2.8180	1.02843	0.8252	1.102	1.550	YES 7.155
	1. Total F2 PeCD...	339.8597	24.08	2105.897	2.4207	2.4207	1.04877	0.8092	1.647	1.550	NO 6.995
	1. 1,2,3,7,8-PeCDF	339.8597	23.52	4418.794	4.9826	4.9826	1.06912	0.7938	1.696	1.550	NO 12.264
	1. Total F2 PeCD...	339.8597	23.38	1377.300	1.5832	1.4191	1.04877	0.8092	1.197	1.550	YES 5.441
	1. Total F2 PeCD...	339.8597	23.01	2634.337	3.0281	3.0281	1.04877	0.8092	1.590	1.550	NO 8.838

Total F1 PeCDFs

	1. Total F1 PeCD...	339.8597	20.43	2461.837	2.8298	2.5312	1.04877	0.6615	1.191	1.550	YES 9.644

Total PeCDDs

	2. 1,2,3,7,8-PeC...	355.8546	25.66	230.448	0.4287	0.3796	0.88408	1.1780	1.166	1.550	YES 3.021

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:05:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:09:26 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

Total HxCDFs

2. 1,2,3,7,8,9-Hx...	373.8208	32.86	889.432	1.4232	1.2251	1.07822	0.9882	1.602	1.240	YES 4.655
2. 2,3,4,6,7,8-Hx...	373.8208	32.13	1529.832	2.1328	2.1328	1.23749	0.8610	1.173	1.240	NO 6.920
3. Total HxCDFs	373.8208	32.08	1061.924	1.4863	1.4863	1.23262	0.8644	1.096	1.240	NO 6.677
3. Total HxCDFs	373.8208	31.89	1455.223	2.0368	2.0368	1.23262	0.8644	1.353	1.240	NO 4.923
3. Total HxCDFs	373.8208	31.60	1365.375	1.9110	1.9110	1.23262	0.8644	1.165	1.240	NO 5.575
2. 1,2,3,6,7,8-Hx...	373.8208	31.52	5152.441	6.3664	5.7288	1.39626	0.7631	0.993	1.240	YES 18.546
2. 1,2,3,4,7,8-Hx...	373.8208	31.35	6634.817	9.3939	9.3939	1.21851	0.8744	1.253	1.240	NO 26.200
3. Total HxCDFs	373.8208	30.77	902.567	1.2633	1.2633	1.23262	0.8644	1.237	1.240	NO 3.815
3. Total HxCDFs	373.8208	29.89	6410.580	8.9725	8.9725	1.23262	0.8644	1.271	1.240	NO 15.036
3. Total HxCDFs	373.8208	29.51	3671.795	5.1392	5.1392	1.23262	0.8644	1.399	1.240	NO 8.355
3. Total HxCDFs	373.8208	32.92	1021.521	1.4298	1.2952	1.23262	0.8644	1.473	1.240	YES 5.351

Total HxCDDs

3. Total HxCDDs	389.8157	31.37	1313.623	2.1894	1.9992	1.08365	0.6348	1.453	1.240	YES 8.980
3. Total HxCDDs	389.8157	30.71	795.800	1.3263	1.3263	1.08365	0.6348	1.133	1.240	NO 4.977
3. 1,2,3,7,8,9-Hx...	389.8157	32.69	926.648	1.5040	1.5040	1.11276	0.6182	1.167	1.240	NO 7.575
3. 1,2,3,6,7,8-Hx...	389.8157	32.38	839.976	1.3661	1.3661	1.11052	0.6194	1.370	1.240	NO 8.957
3. 1,2,3,4,7,8-Hx...	389.8157	32.32	625.144	1.0987	~~0.7496~~	1.02768	0.6694	0.607	1.240	YES 6.789

Total HpCDFs

4. 1,2,3,4,7,8,9-H...	407.7818	35.36	4752.100	7.8870	7.8870	1.19912	0.9755	0.981	1.040	NO 29.784
4. Total HpCDFs	407.7818	34.56	5933.342	9.0806	9.0806	1.30039	0.8995	1.059	1.040	NO 34.321
4. Total HpCDFs	407.7818	34.42	3113.724	4.7653	4.7653	1.30039	0.8995	0.966	1.040	NO 27.864
3. 1,2,3,4,6,7,8-H...	407.7818	34.23	17924.032	25.4495	25.4495	1.40167	0.8345	1.126	1.040	NO 120.181

Total HpCDDs

4. 1,2,3,4,6,7,8-H...	423.7766	35.05	3217.590	6.9774	6.9774	0.98108	0.7785	1.134	1.040	NO 28.473
4. Total HpCDDs	423.7766	34.49	3680.301	7.9808	7.9808	0.98108	0.7785	1.071	1.040	NO 42.272

G0L170472

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:31 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: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl.	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.70	1.00000		3581179.13	4000.0000	4000.0000	100.0	2.83584	0.76	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993		4234262.50	3556.1610	3556.1610	88.9	1.92293	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.16	0.97151		7049.26	6.8546	6.8546 J		0.55596	0.85	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.97151			34.5640	31.2689		0.55596			
6															
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993		2962437.00	3718.1716	3718.1716	93.0	3.18661	0.76	NO	
8	2,3,7,8-TCDD	319.8965	0.500		18.93	1.00877				ND		0.75643		NO	
9	Total TCDDs	319.8965	0.500		19.55	1.00877			1.3088	~~1.1291~~		0.75643			
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940		812506.00	1689.3594	0.0000	105.6	1.38415			
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.49	23.54	0.97070		3318029.50	3817.9330	3817.9330	95.4	3.60295	1.58	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.52	1.06912		4036.07	4.5511	3.9488 J		0.79377	1.94	YES	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.91	24.94	1.02843		2786.96	3.2669	2.8180 JQ		0.82517	1.10	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877			26.4707	21.7798		0.80917			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877			2.8298	+ 2.5312		0.66154			
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.67	25.75	0.71523		2431989.88	3797.9756	3797.9756	94.9	2.89465	1.55	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	25.66	25.70	0.88408		242.35	0.4509	~~0.3796~~		1.17800	1.05	YES	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408			4.2935	~~2.9230~~		1.17800			
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.00000		2483351.13	4000.0000	4000.0000	100.0	4.00469	1.22	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.08439		2318525.75	3443.8722	3443.8722	86.1	5.59658	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.35	31.37	1.21851		6634.82	9.3939	9.3939 J		0.87445	1.25	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.52	31.50	1.39626		5066.90	6.2607	5.5379		0.76312	0.96	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.13	32.14	1.23749		1211.82	1.6894	1.1930		0.86104	2.17	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.86	32.85	1.07822		357.73	0.5724	0.2234		0.98822	0.28	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262			34.9015	28.2949		0.86444			
31															

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:31 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32 13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.89448	2214746.38	3988.1685	3988.1685	99.7	4.47709	1.14	NO	
33 1,2,3,4,7,8-HxCDD	389.8157	0.500	32.38	32.32	1.02768	615.63	1.0819	0.8502		0.66935	0.77	YES	
34 1,2,3,6,7,8-HxCDD	389.8157	0.500	32.10	32.40	1.11052	443.00	0.7205	0.3974		0.61942	3.06	YES	
35 1,2,3,7,8,9-HxCDD	389.8157	0.500	32.84	32.69	1.11276	423.71	0.6877	0.4648		0.61817	2.31	YES	
36 Total HxCDDs	389.8157	0.500		0.00	1.08365		5.3297	4.5520		0.63478			
37													
38 13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.88081	2009886.44	3675.4574	3675.4574	91.9	7.89896	0.45	NO	
39 1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.23	34.23	1.40167	17148.90	24.3489	24.3489		0.83449	1.03	NO	
40 1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.34	1.19912	4752.10	7.8870	7.8870		0.97545	0.98	NO	
41 Total HpCDFs	407.7818	0.500		0.00	1.30039		44.0813	42.7112		0.89948			
42													
43 13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.01	0.85740	1880153.13	3532.0754	3532.0754	88.3	6.06622	1.01	NO	
44 1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.06	0.98108	2490.79	5.4013	4.4837		0.77848	1.46	YES	
45 Total HpCDDs	423.7766	0.500		-0.02	0.98108		15.2069	12.3197		0.77848			
46													
47 13C-OCDD	469.7779	0.500	37.50	37.44	0.64317	2840129.63	7112.7383	7112.7383	88.9	11.30008	0.91	NO	
48 OCDF	441.7428	0.500	37.61	37.61	1.47706	32244.13	61.4899	61.4899		1.56452	0.86	NO	
49 OCDD	457.7377	0.500	37.53	37.52	1.19620	8892.71	20.9402	18.1499		1.04481	1.18	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 PCDPE	375.8364	1.000	20.24	20.25	17.814...	33.72	1.8927		189.3	2.16409			
58 F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109...					0.00000			
59 F2 PeCDF PCDPE	409.7974	1.000	28.25	28.29	51.062...	111.98	2.1929		219.3	3.87229			
60 HXCDF PCDPE	445.7555	1.000		33.24	21.190...					0.00000			
61 HPCDF PCDPE	479.7165	1.000	34.21	34.27	39.173...	37.55	0.9586		95.9	3.49658			
62 OCDF PCDPE	513.67750	1.000	39.17	39.16	27.302...	24.71	0.9052		90.5	0.77071			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:31 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: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382, Task:

Total TCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5	Total TCDFs	303.9016	16.50	646.884	0.6290	0.5657	0.97151	0.5560	0.968	0.770	YES	4.455
2	5	Total TCDFs	303.9016	16.40	5922.447	5.7589	5.3956	0.97151	0.5560	0.889	0.770	YES	30.649
3	5	Total TCDFs	303.9016	15.62	1458.614	1.4183	1.4183	0.97151	0.5560	0.841	0.770	NO	9.435
4	5	Total TCDFs	303.9016	18.61	1352.451	1.3151	1.0666	0.97151	0.5560	0.545	0.770	YES	6.116
5	4	2,3,7,8-TCDF	303.9016	18.17	7049.258	6.8546	6.8546	0.97151	0.5560	0.847	0.770	NO	27.139
6	5	Total TCDFs	303.9016	17.76	4213.153	4.0968	3.8187	0.97151	0.5560	0.899	0.770	YES	19.918
7	5	Total TCDFs	303.9016	17.58	2952.606	2.8711	2.8711	0.97151	0.5560	0.876	0.770	NO	13.568
8	5	Total TCDFs	303.9016	17.49	2800.186	2.7228	1.4951	0.97151	0.5560	0.314	0.770	YES	12.163
9	5	Total TCDFs	303.9016	17.21	3365.694	3.2727	2.7363	0.97151	0.5560	0.572	0.770	YES	19.800
10	5	Total TCDFs	303.9016	16.98	1778.238	1.7291	1.7291	0.97151	0.5560	0.682	0.770	NO	9.706
11	5	Total TCDFs	303.9016	16.92	833.061	0.8101	0.5331	0.97151	0.5560	1.689	0.770	YES	4.359
12	5	Total TCDFs	303.9016	16.66	3173.192	3.0855	2.7848	0.97151	0.5560	0.961	0.770	YES	10.776

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	9	Total TCDDs	319.8965	16.90	451.648	0.6045	0.6045	1.00877	0.7564	0.738	0.770	NO	4.798
2	9	Total TCDDs	319.8965	16.84	526.172	0.7043	0.5246	1.00877	0.7564	1.376	0.770	YES	4.336

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	Total F2 PeCD...	339.8597	22.90	942.416	1.0833	0.1720	1.04877	0.8092	15.057	1.550	YES	2.108
2	...	Total F2 PeCD...	339.8597	22.07	8251.351	9.4847	9.4847	1.04877	0.8092	1.578	1.550	NO	21.805
3	...	Total F2 PeCD...	339.8597	21.84	1511.612	1.7376	1.5600	1.04877	0.8092	1.840	1.550	YES	4.693
4	...	Total F2 PeCD...	339.8597	25.26	396.652	0.4559	0.3642	1.04877	0.8092	2.192	1.550	YES	3.155
5	...	2,3,4,7,8-PeCDF	339.8597	24.91	2786.961	3.2669	2.8180	1.02843	0.8252	1.102	1.550	YES	7.155
6	...	Total F2 PeCD...	339.8597	24.08	1656.431	1.9040	1.0148	1.04877	0.8092	3.784	1.550	YES	6.182
7	...	Total F2 PeCD...	339.8597	23.79	422.645	0.4858	0.4419	1.04877	0.8092	1.236	1.550	YES	2.338
8	...	1,2,3,7,8-PeCDF	339.8597	23.52	4036.065	4.5511	3.9488	1.06912	0.7938	1.939	1.550	YES	11.320
9	...	Total F2 PeCD...	339.8597	23.38	1074.701	1.2353	0.9903	1.04877	0.8092	2.181	1.550	YES	4.091
10	...	Total F2 PeCD...	339.8597	23.01	1971.333	2.2660	0.9850	1.04877	0.8092	4.866	1.550	YES	6.340

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	2461.837	2.8298	2.5312	1.04877	0.6615	1.191	1.550	YES	9.644

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:31 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382, Task:

Total PeCDDs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	Total PeCDDs	355.8546	22.30	592.755	1.1028	0.3656	0.88408	1.1780	6.692	1.550	YES	2.963
2	1,2,3,7,8-PeC...	355.8546	25.66	242.353	0.4509	0.3796	0.88408	1.1780	1.048	1.550	YES	3.924
3	Total PeCDDs	355.8546	24.19	258.019	0.4800	0.4800	0.88408	1.1780	1.674	1.550	NO	3.606
4	Total PeCDDs	355.8546	24.13	743.299	1.3828	0.7103	0.88408	1.1780	3.964	1.550	YES	5.078
5	Total PeCDDs	355.8546	23.83	231.710	0.4311	0.3560	0.88408	1.1780	2.088	1.550	YES	3.441
6	Total PeCDDs	355.8546	23.60	239.684	0.4459	0.0314	0.88408	1.1780	0.045	1.550	YES	5.501

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	32.86	357.729	0.5724	0.2234	1.07822	0.9882	0.276	1.240	YES	4.596
2	2,3,4,6,7,8-Hx...	373.8208	32.13	1211.817	1.6894	1.1930	1.23749	0.8610	2.172	1.240	YES	6.910
3	Total HxCDFs	373.8208	32.08	1061.924	1.4863	1.4863	1.23262	0.8644	1.096	1.240	NO	6.677
4	Total HxCDFs	373.8208	31.89	1263.980	1.7691	1.6319	1.23262	0.8644	1.043	1.240	YES	4.923
5	Total HxCDFs	373.8208	31.60	1235.819	1.7297	1.5299	1.23262	0.8644	0.959	1.240	YES	5.575
6	1,2,3,6,7,8-Hx...	373.8208	31.52	5066.896	6.2607	5.5379	1.39626	0.7631	0.959	1.240	YES	18.546
7	1,2,3,4,7,8-Hx...	373.8208	31.35	6634.817	9.3939	9.3939	1.21851	0.8744	1.253	1.240	NO	26.200
8	Total HxCDFs	373.8208	30.77	635.686	0.8897	0.5453	1.23262	0.8644	2.655	1.240	YES	3.044
9	Total HxCDFs	373.8208	30.51	315.647	0.4418	0.4022	1.23262	0.8644	1.460	1.240	YES	3.104
10	Total HxCDFs	373.8208	29.89	4412.528	6.1760	4.4215	1.23262	0.8644	2.129	1.240	YES	15.048
11	Total HxCDFs	373.8208	29.51	1737.183	2.4314	1.0394	1.23262	0.8644	4.240	1.240	YES	5.846
12	Total HxCDFs	373.8208	29.43	972.444	1.3611	0.7808	1.23262	0.8644	0.465	1.240	YES	7.768
13	Total HxCDFs	373.8208	32.97	500.013	0.6998	0.1093	1.23262	0.8644	0.095	1.240	YES	5.267

#	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	31.37	1127.322	1.8789	1.8789	1.08365	0.6348	1.386	1.240	NO	8.441
2	Total HxCDDs	389.8157	30.71	576.464	0.9608	0.9608	1.08365	0.6348	1.198	1.240	NO	4.414
3	1,2,3,7,8,9-Hx...	389.8157	32.84	423.705	0.6877	0.4648	1.11276	0.6182	2.314	1.240	YES	3.131
4	1,2,3,4,7,8-Hx...	389.8157	32.38	615.634	1.0819	0.8502	1.02768	0.6694	0.770	1.240	YES	8.818
5	1,2,3,6,7,8-Hx...	389.8157	32.10	442.999	0.7205	0.3974	1.11052	0.6194	3.061	1.240	YES	3.155

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

Total HpCDFs

#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	1,2,3,4,7,8,9-H...	407.7818	35.36	4752.100	7.8870	7.8870	1.19912	0.9755	0.981	1.040	NO	29.784
2	Total HpCDFs	407.7818	34.56	5439.950	8.3255	8.3255	1.30039	0.8995	0.888	1.040	NO	34.321
3	Total HpCDFs	407.7818	34.42	2299.922	3.5199	2.1498	1.30039	0.8995	0.452	1.040	YES	27.864
4	1,2,3,4,6,7,8-H...	407.7818	34.23	17148.899	24.3489	24.3489	1.40167	0.8345	1.034	1.040	NO	120.181

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:31 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382, Task:

Total HpCDDs

ID	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	[illegible]	[illegible]	Ratio	Ratio...	S/N
1	...	Total HpCDDs	423.7766	35.34	293.138	0.6357	0.3635	0.98108	0.7785	2.567	1.040	YES	1.060
2	...	Total HpCDDs	423.7766	35.32	180.709	0.3919	0.2691	0.98108	0.7785	1.971	1.040	YES	3.940
3	...	1,2,3,4,6,7,8-H...	423.7766	35.05	2490.793	5.4013	4.4837	0.98108	0.7785	1.457	1.040	YES	27.617
4	...	Total HpCDDs	423.7766	34.49	3177.186	6.8897	5.9536	0.98108	0.7785	0.787	1.040	YES	42.272
5	...	Total HpCDDs	423.7766	34.23	870.795	1.8883	1.2497	0.98108	0.7785	2.083	1.040	YES	8.769

Quantify Sample Report **MassLynx 4.1**

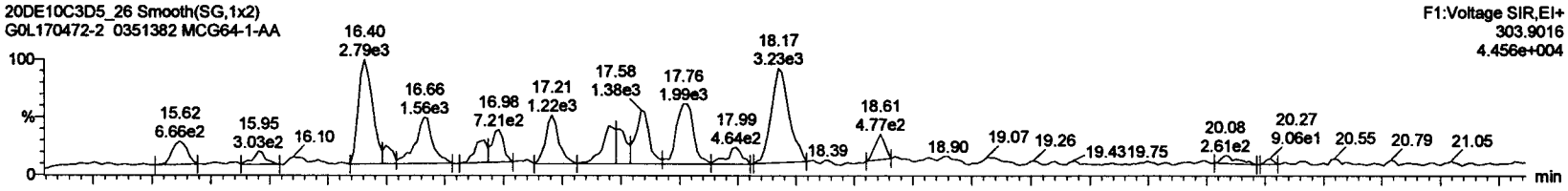
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

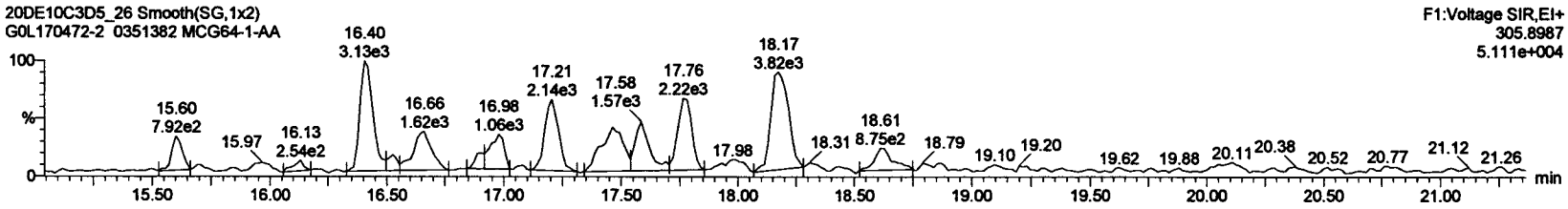
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

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

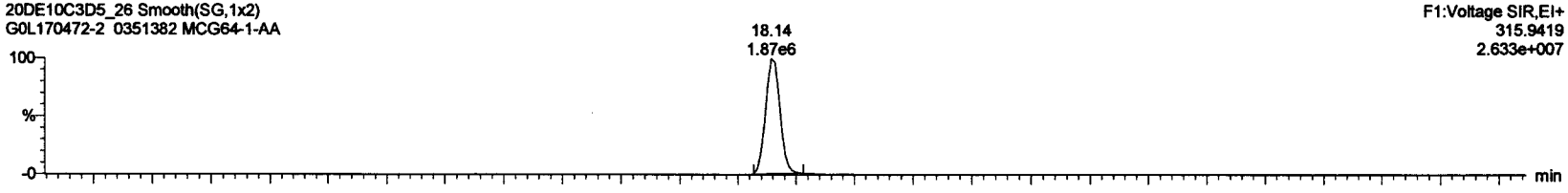
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

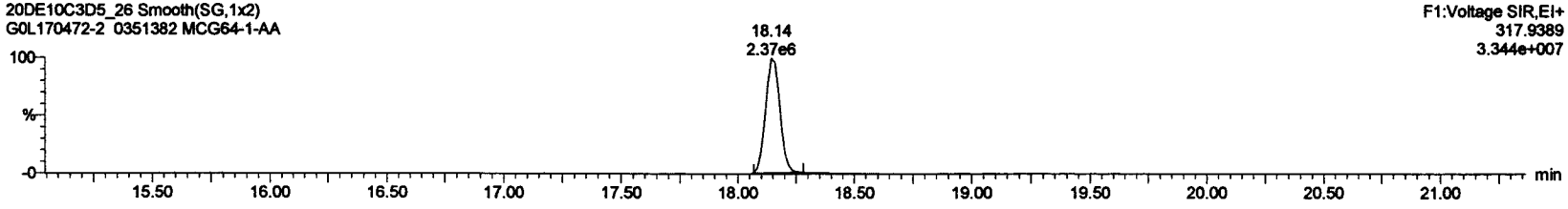
TCDFs





13C-TCDF





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

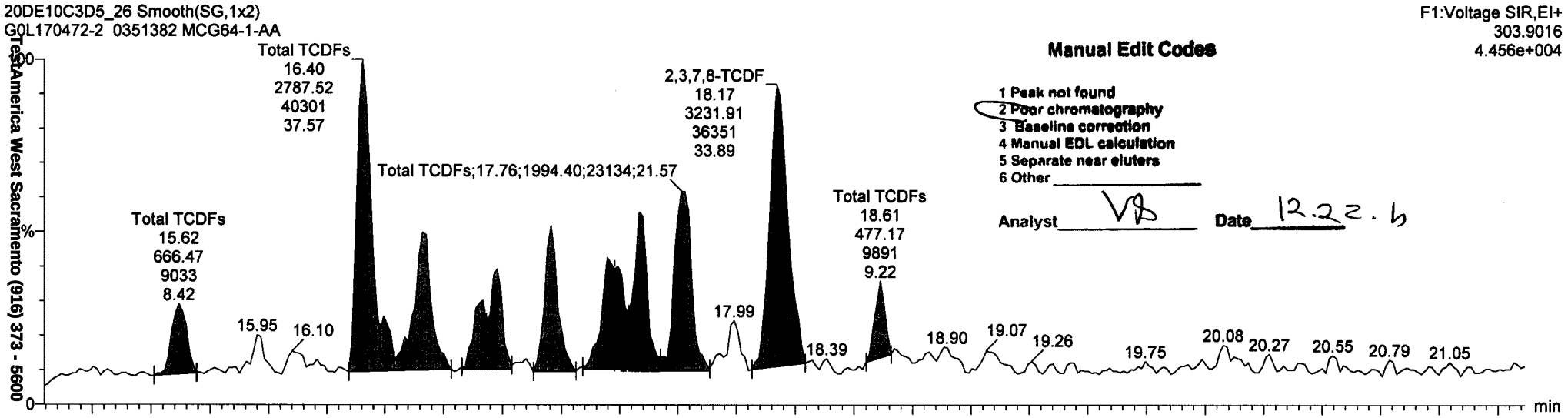
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:05:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:05:20 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 TCDFs, Chrom. Trace: 303.9016

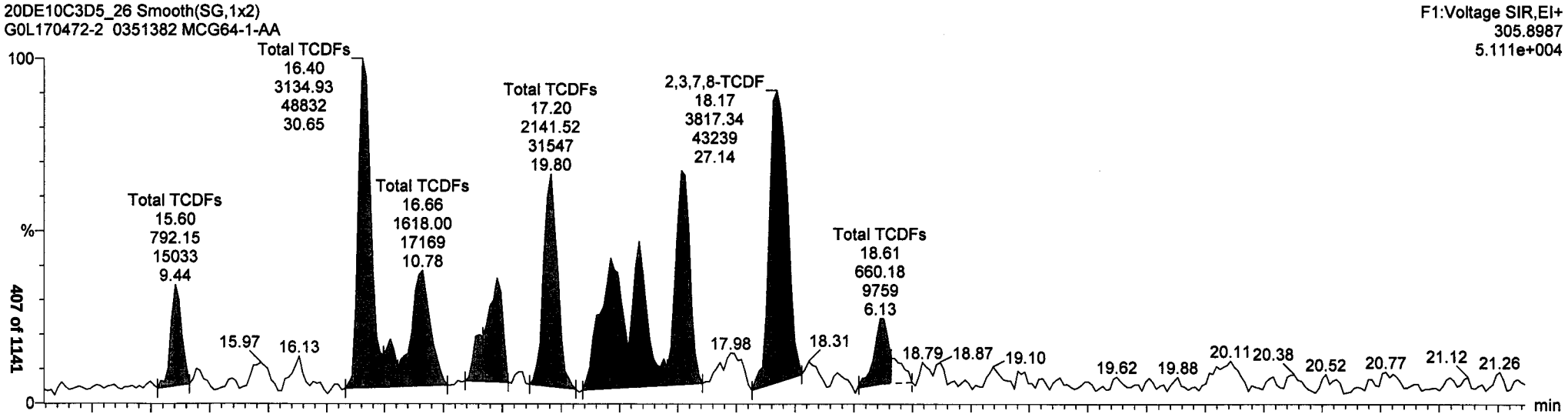
Sample Name: 20DE10C3D5_26



Manual Edit Codes

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

Analyst VB Date 12.22.10



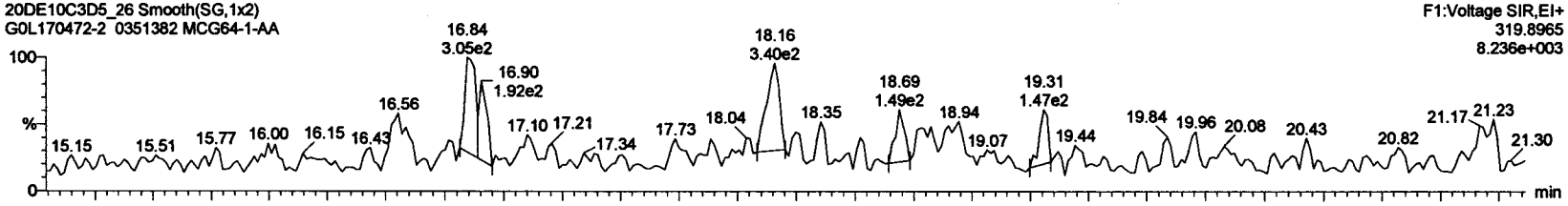
Quantify Sample Report **MassLynx 4.1**

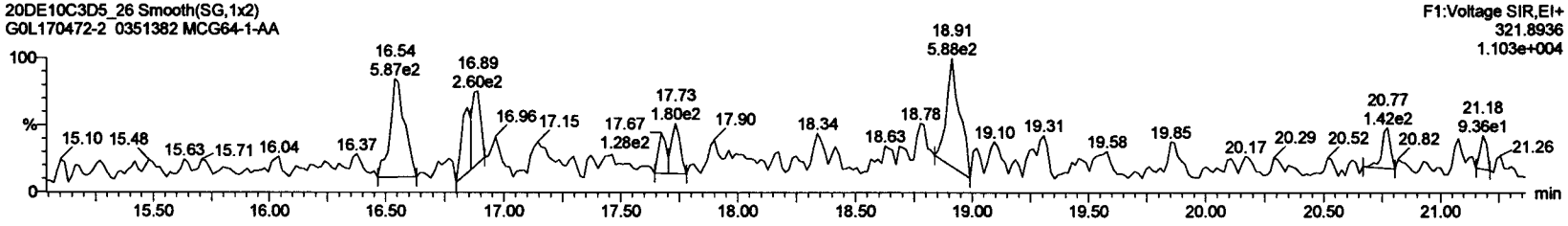
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

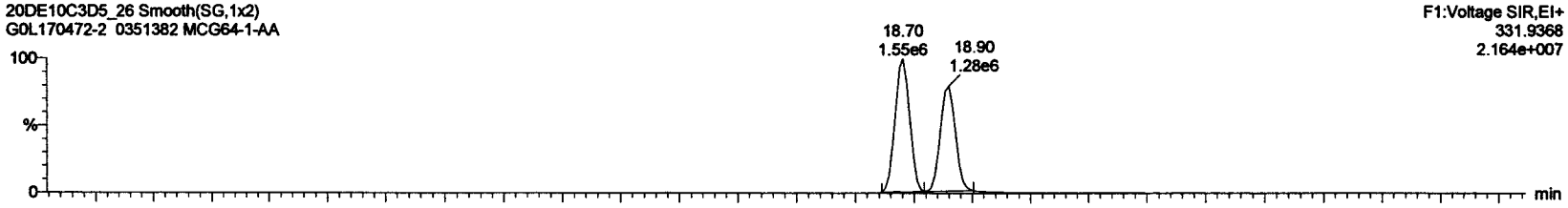
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

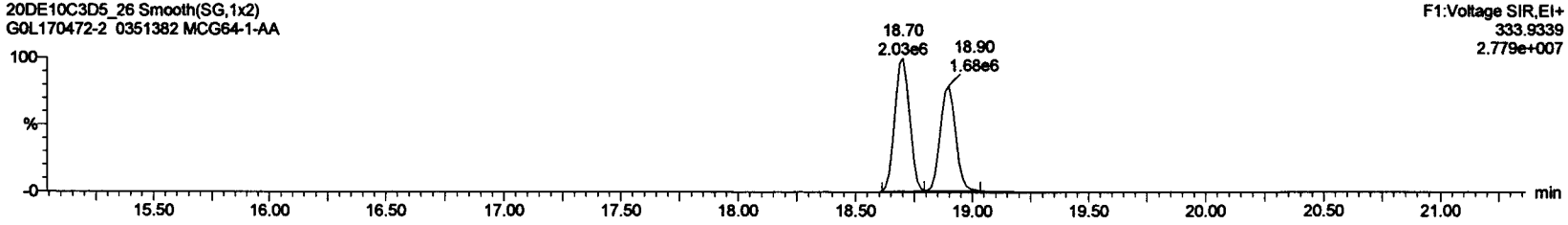
TCDDs





13C-TCDDs





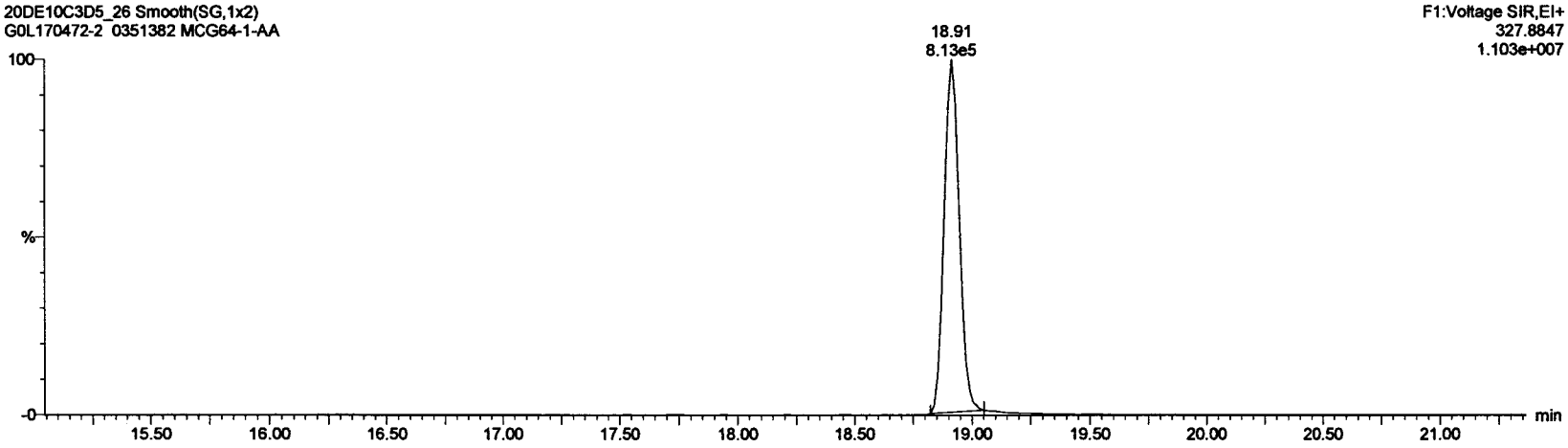
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

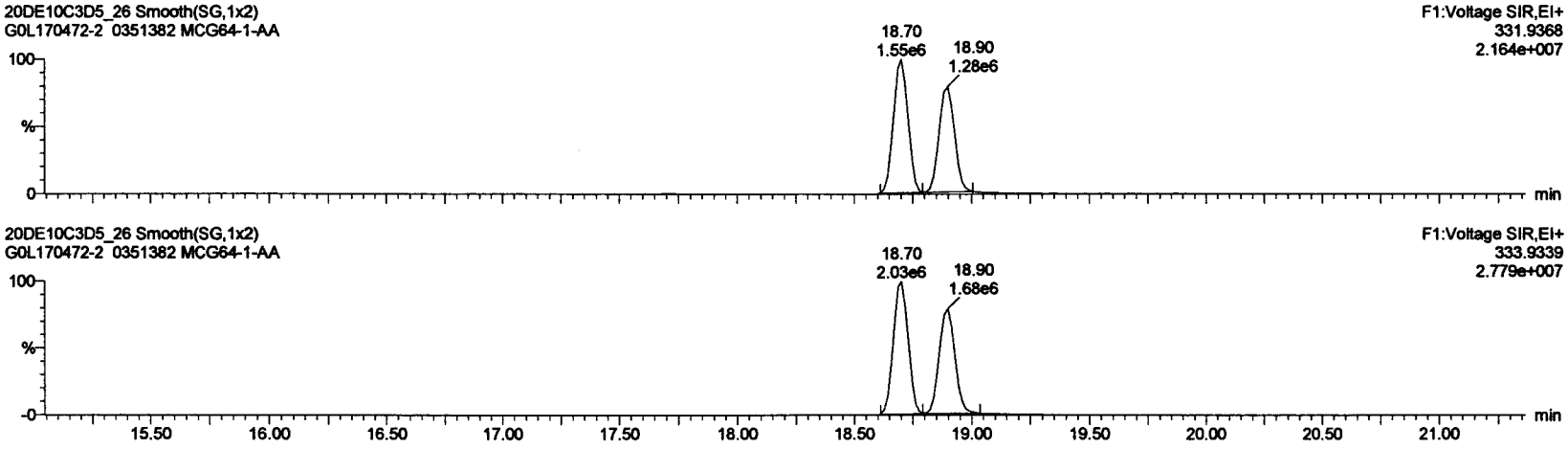
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

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



13C-TCDDs



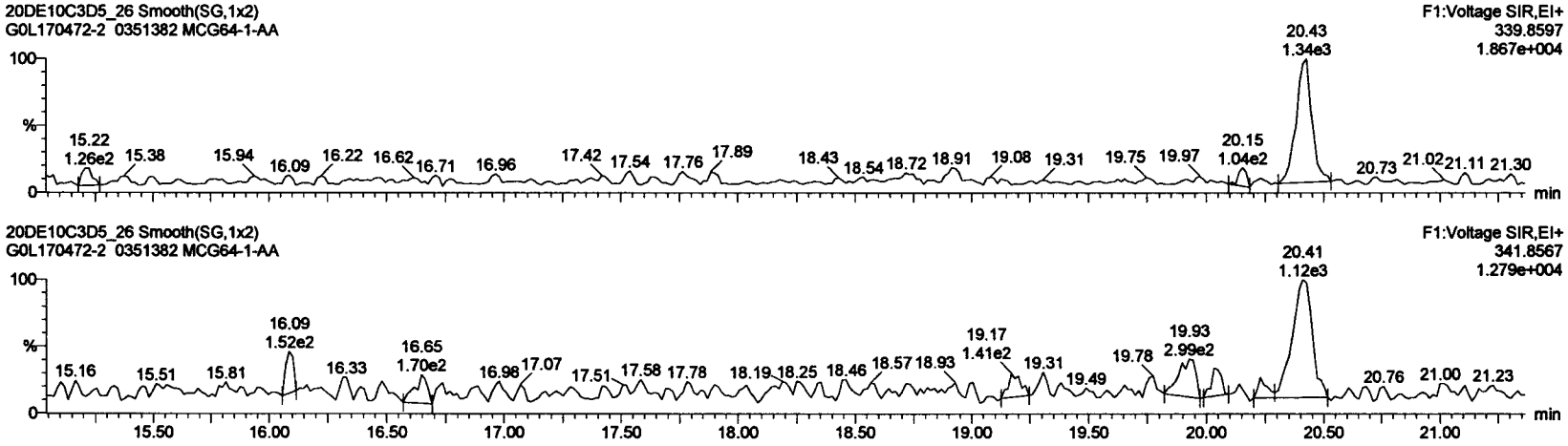
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

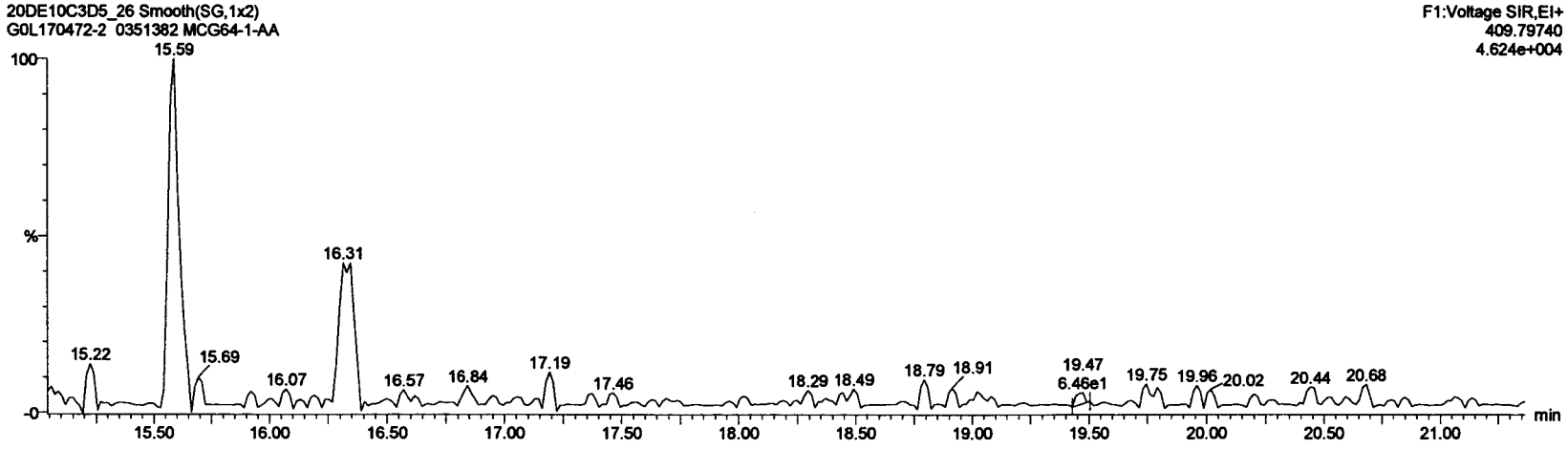
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

F1 PeCDFs



F1 PeCDF PCDPE



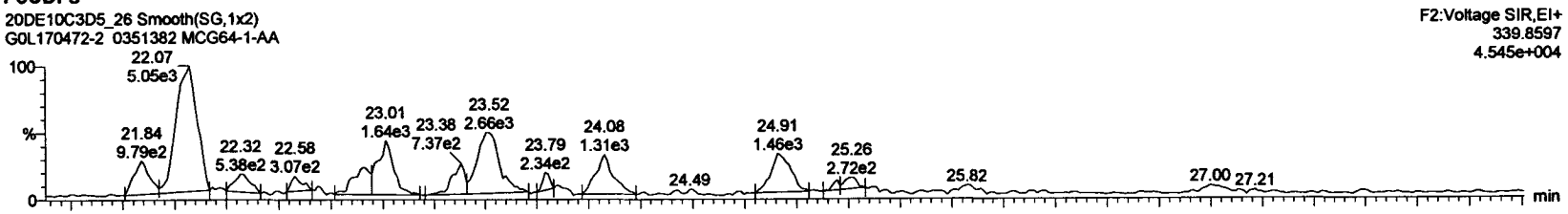
Quantify Sample Report **MassLynx 4.1**

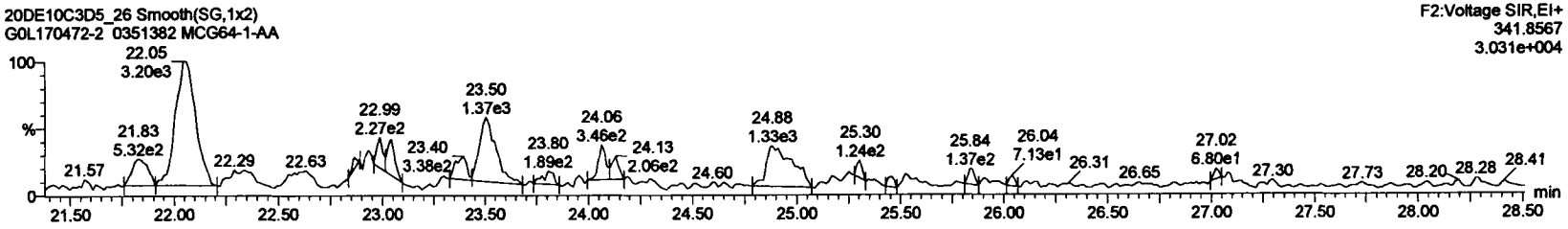
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

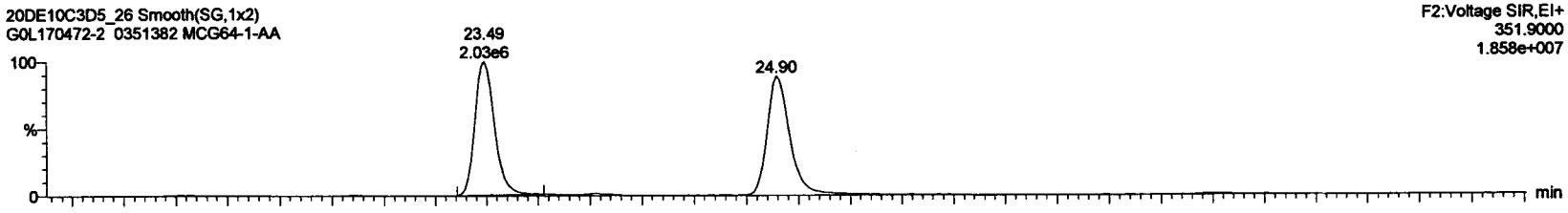
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

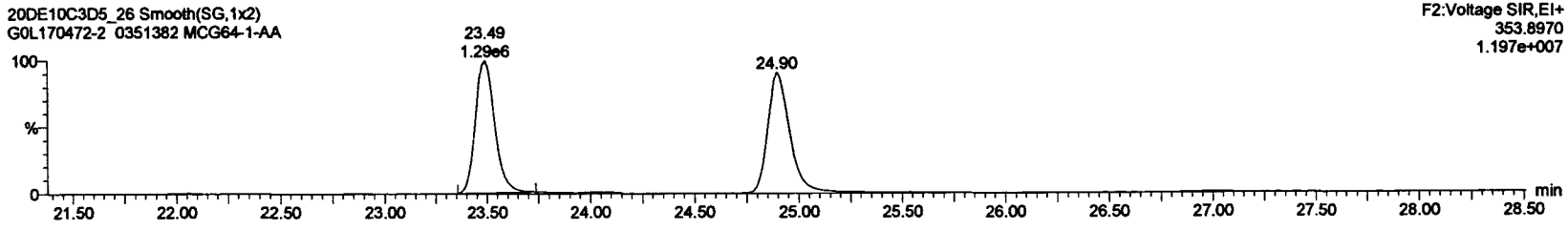
PeCDFs





13C-PeCDFs



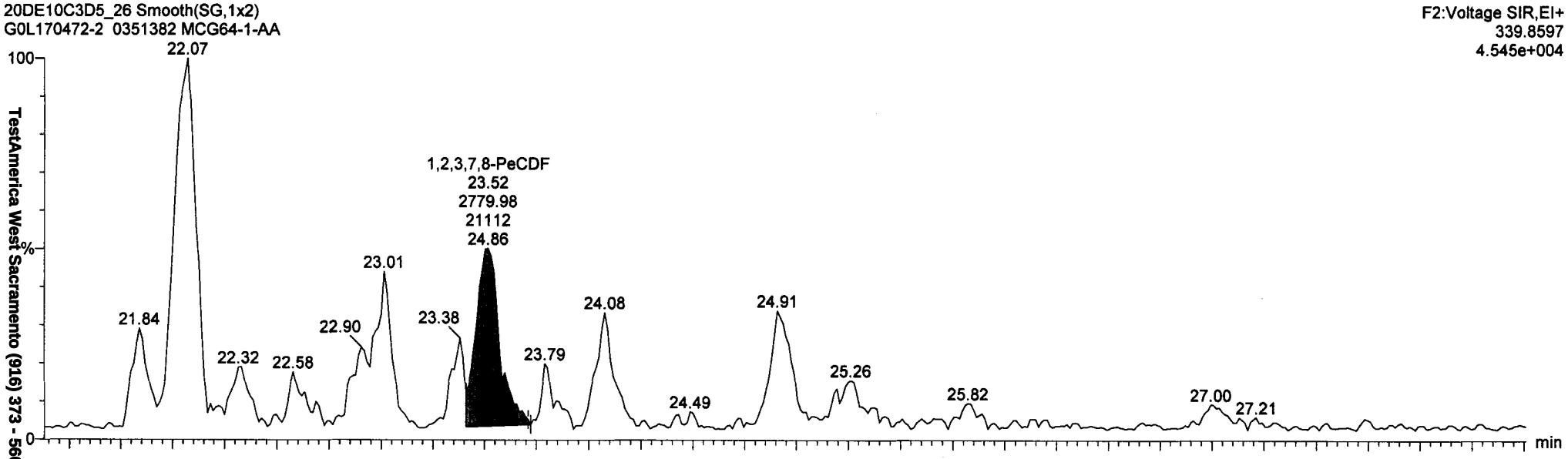


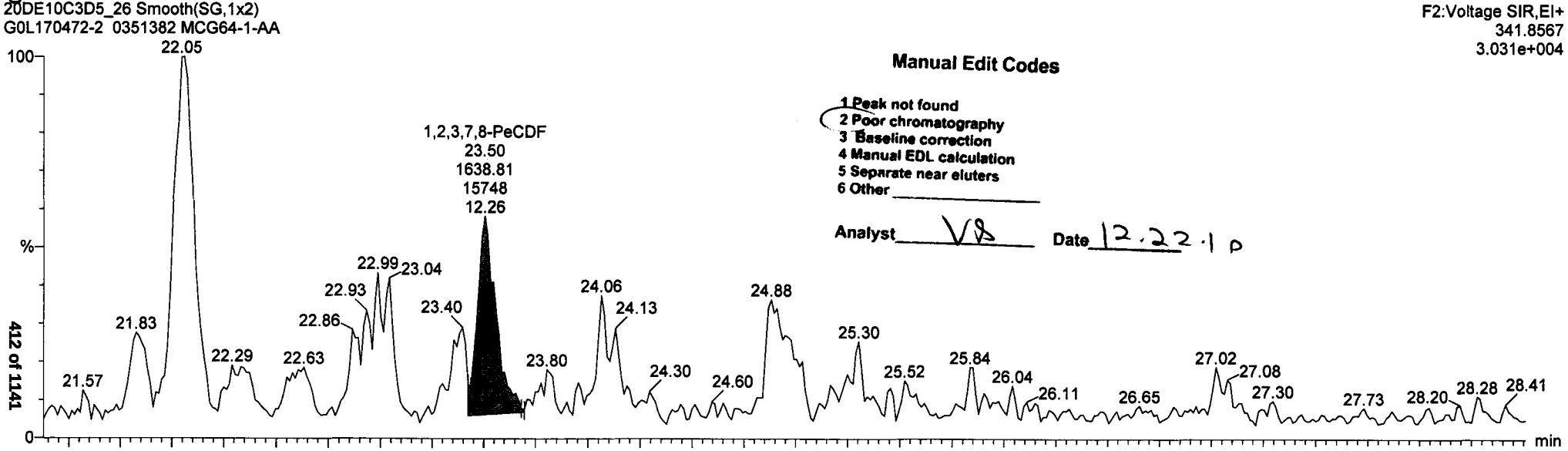
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_26



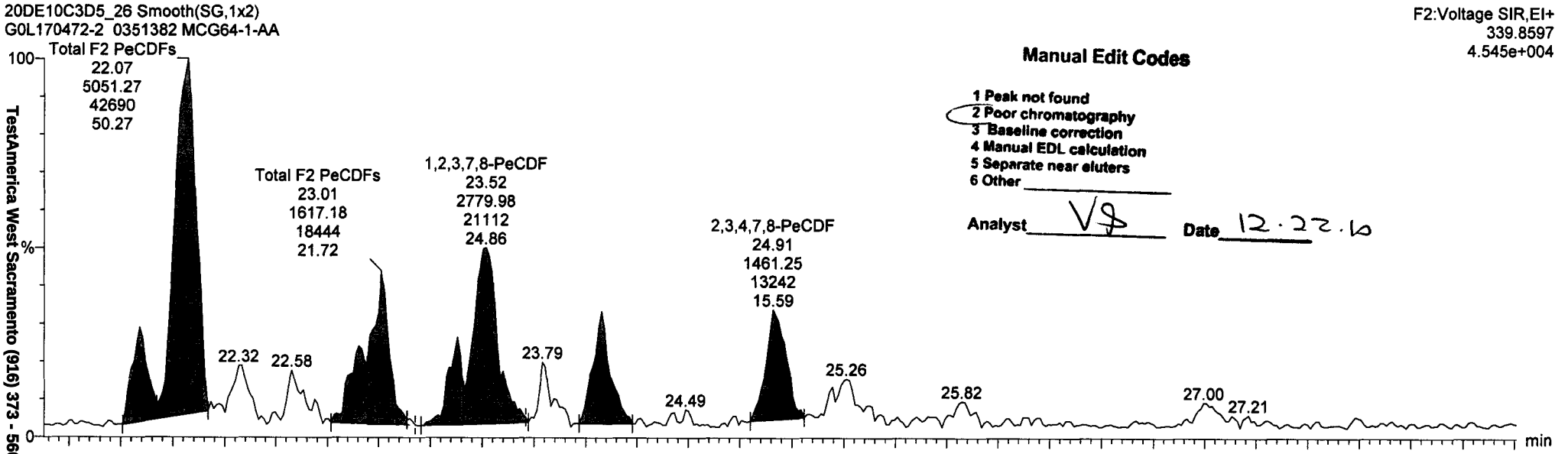


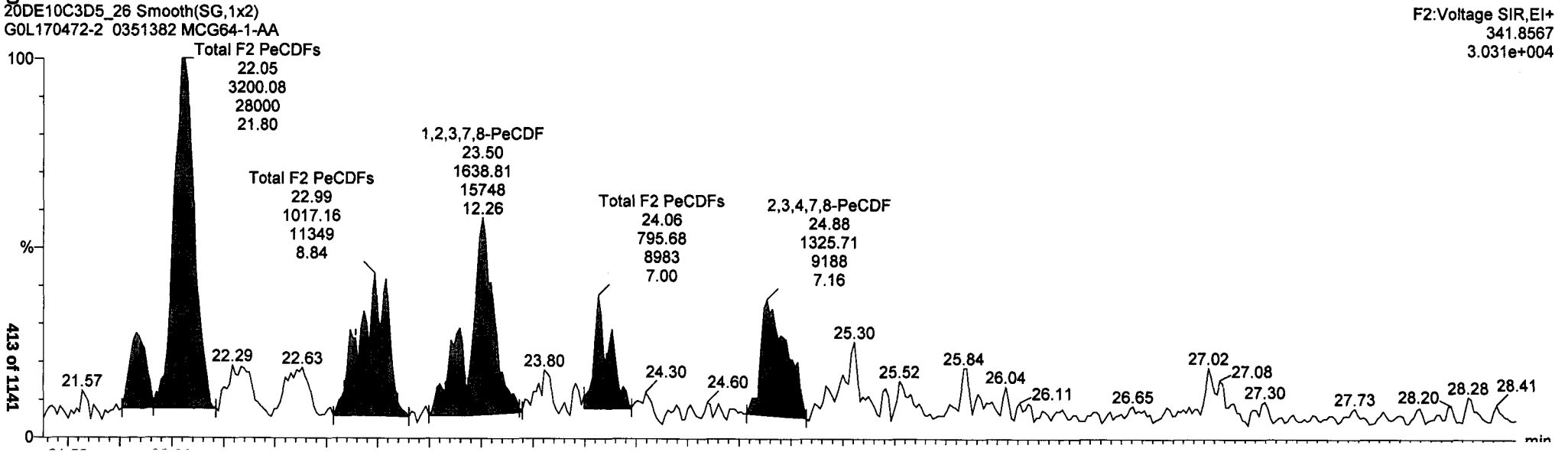
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_26





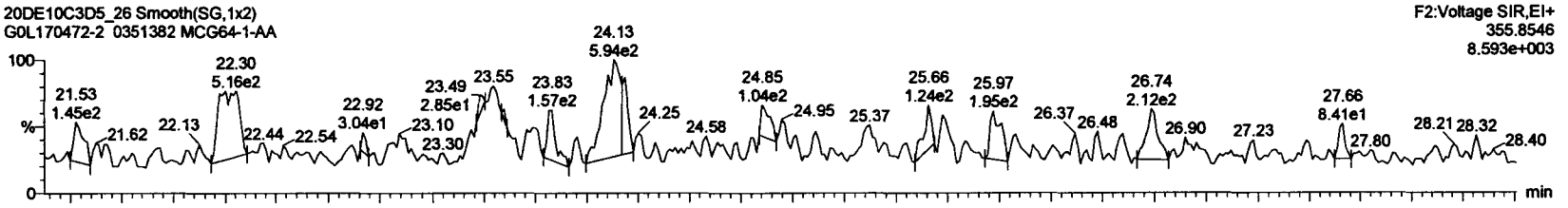
Quantify Sample Report **MassLynx 4.1**

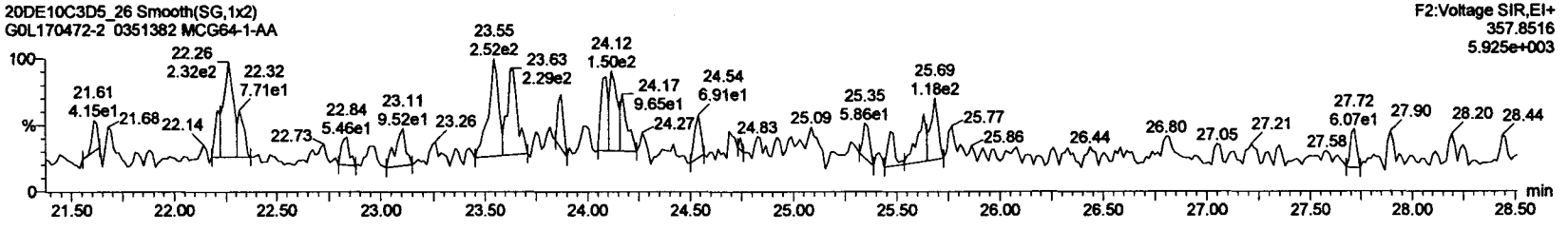
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

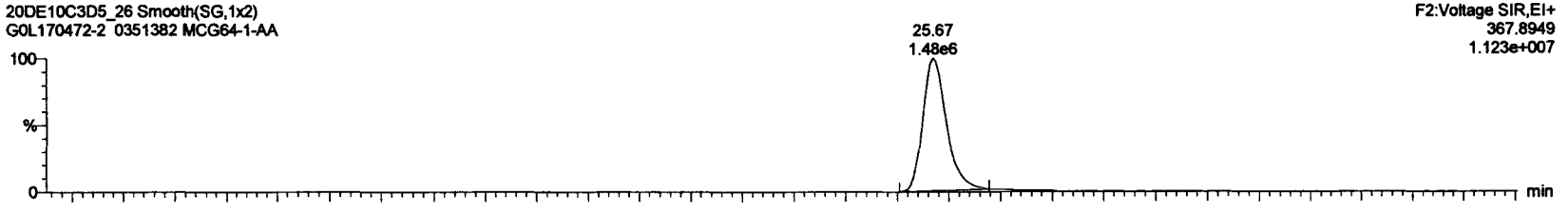
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

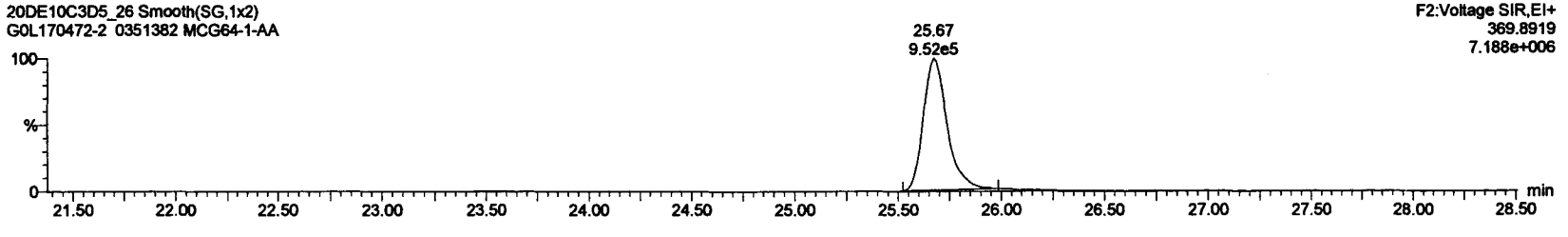
PeCDDs





13C-PeCDD





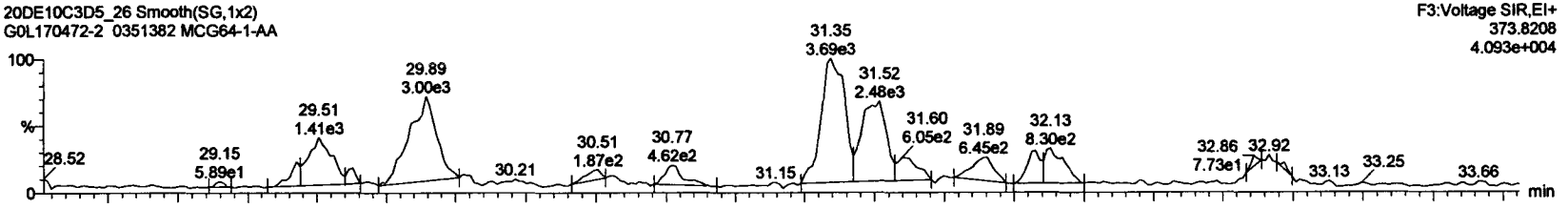
Quantify Sample Report **MassLynx 4.1**

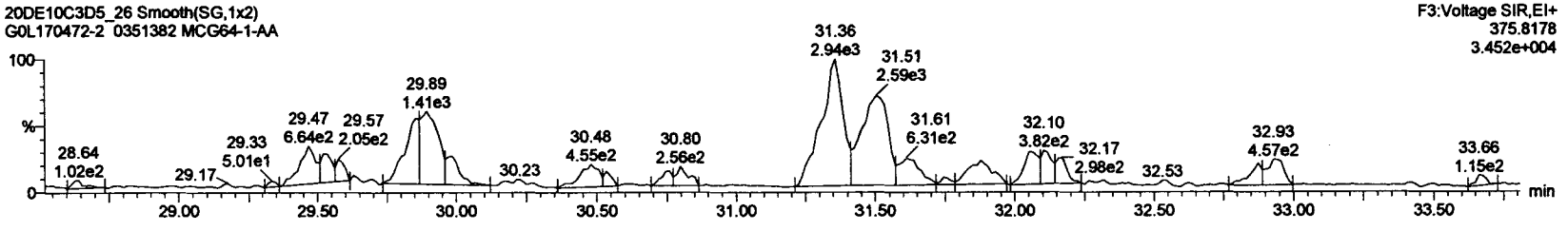
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

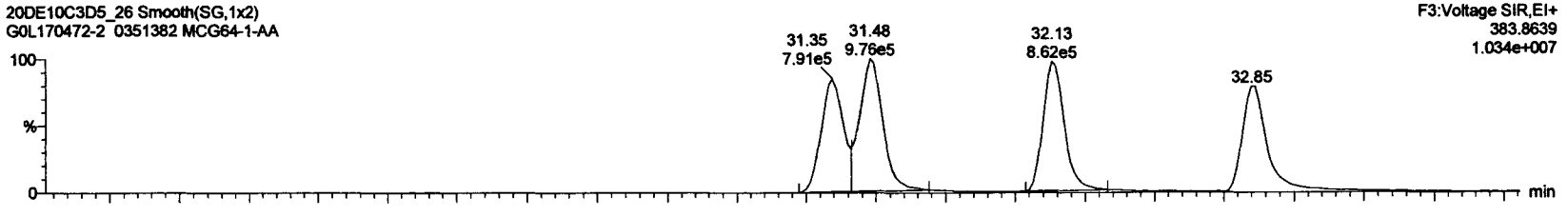
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

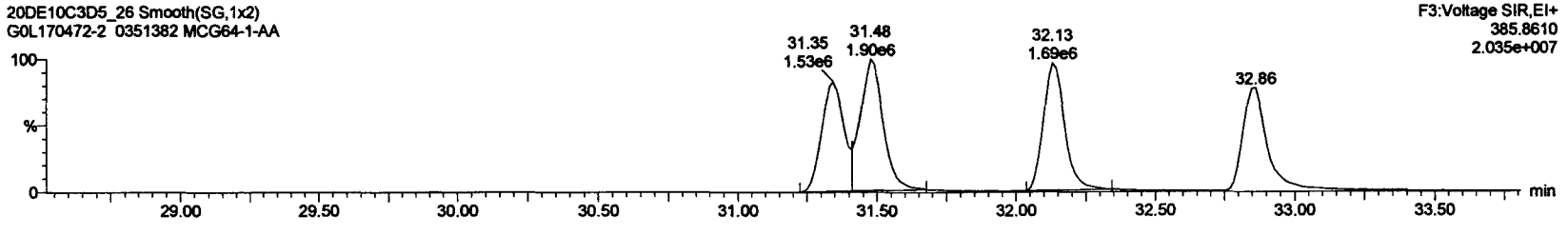
HxCDFs





13C-HxCDFs



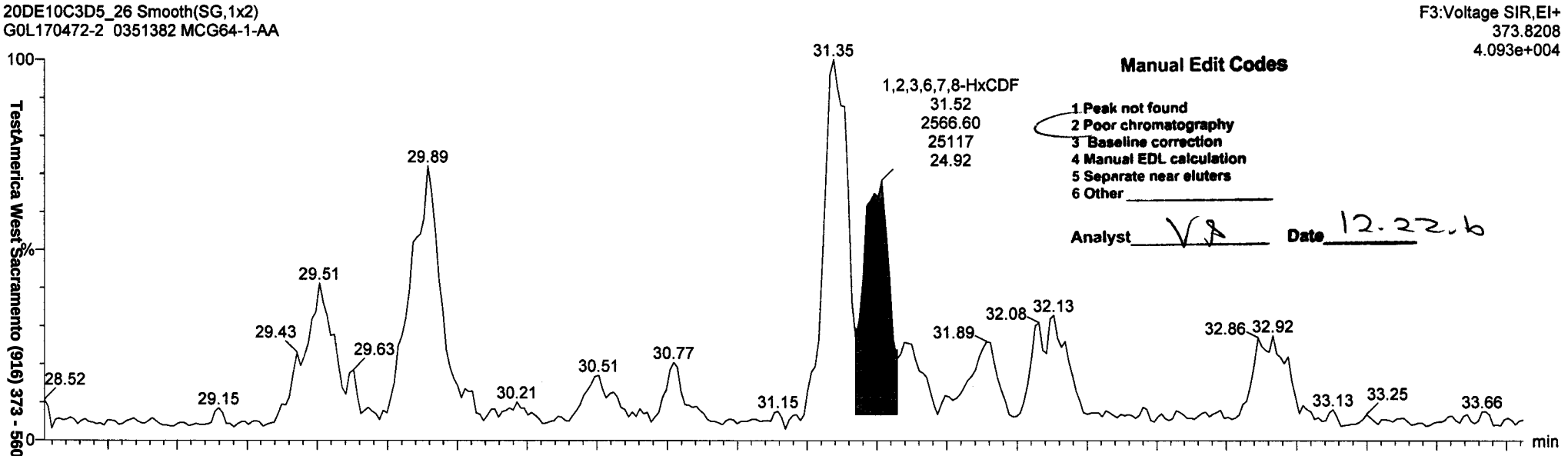


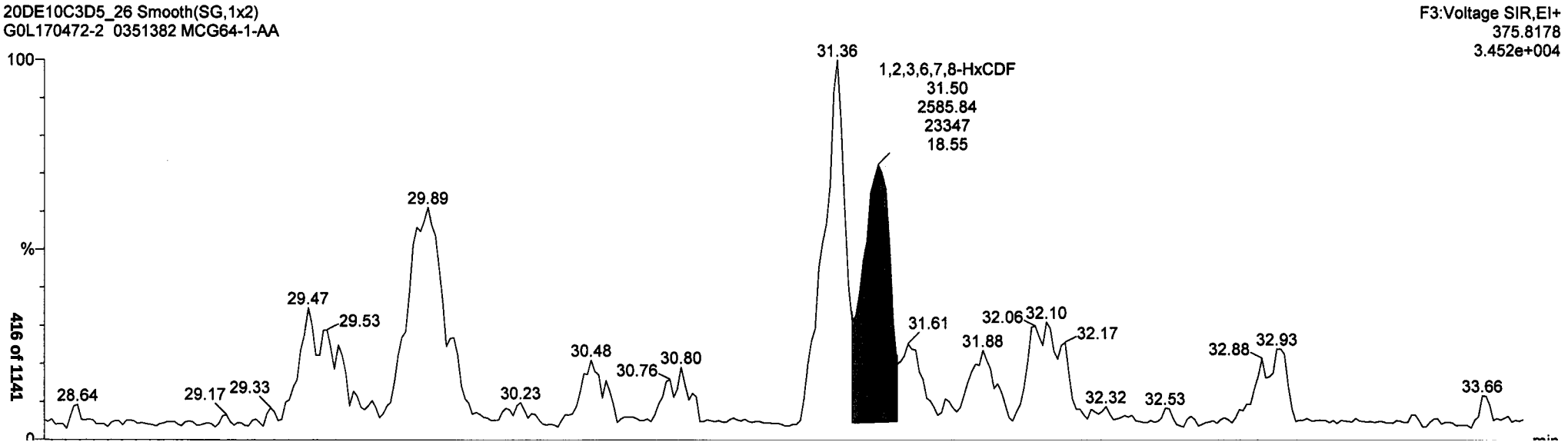
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_26





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_26

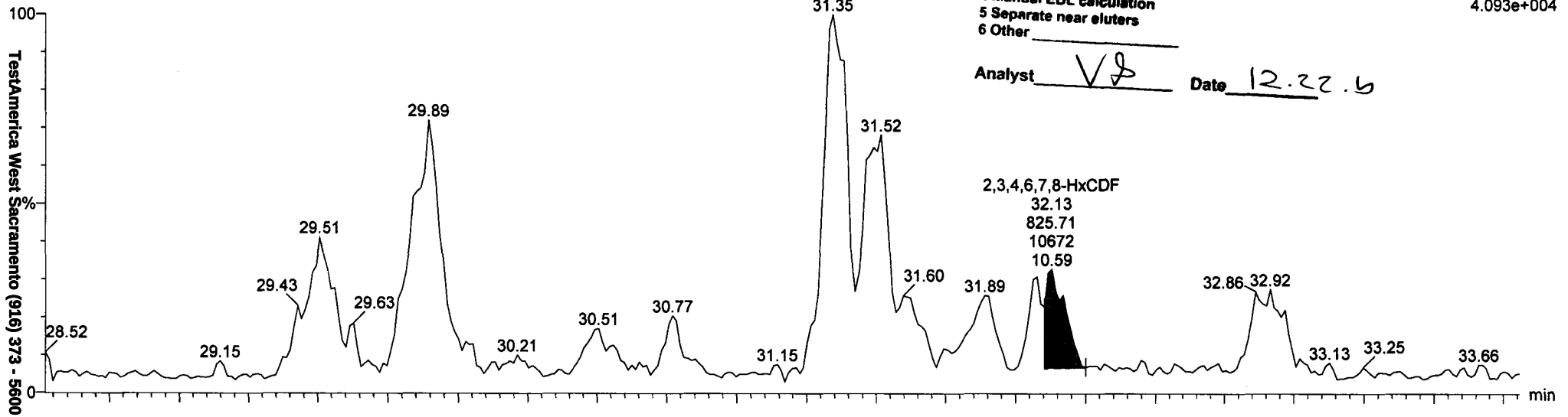
Manual Edit Codes

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

Analyst VB Date 12.22.10

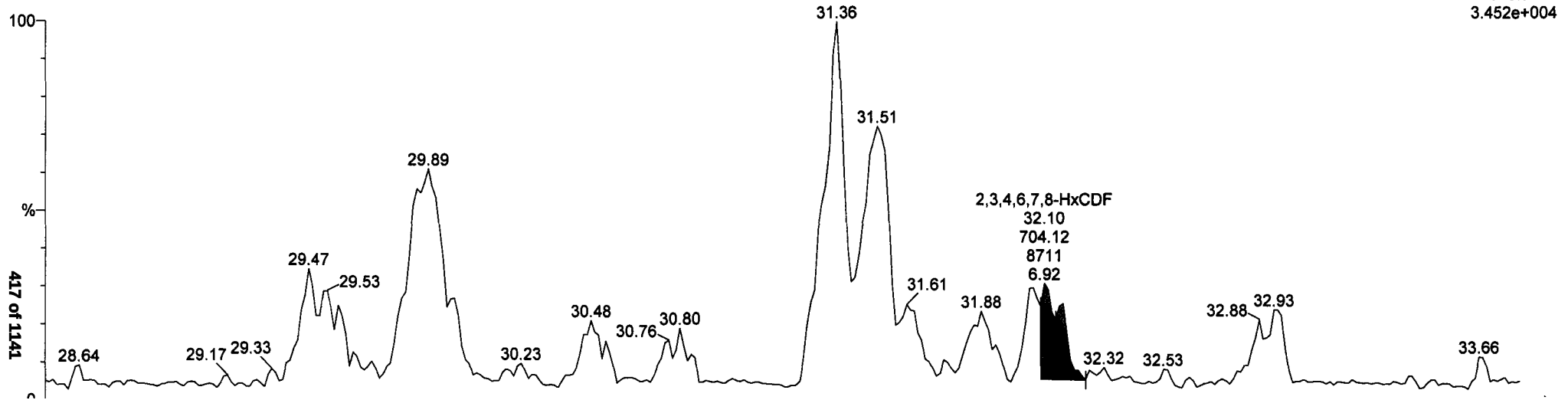
20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
373.8208
4.093e+004



20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
375.8178
3.452e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

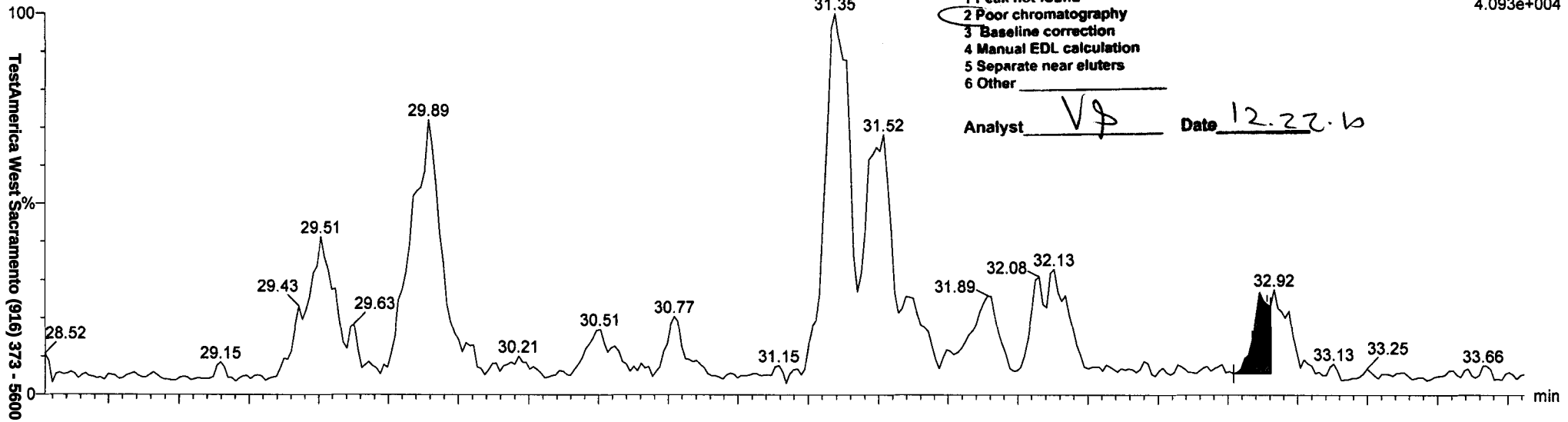
Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_26

20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
373.8208
4.093e+004



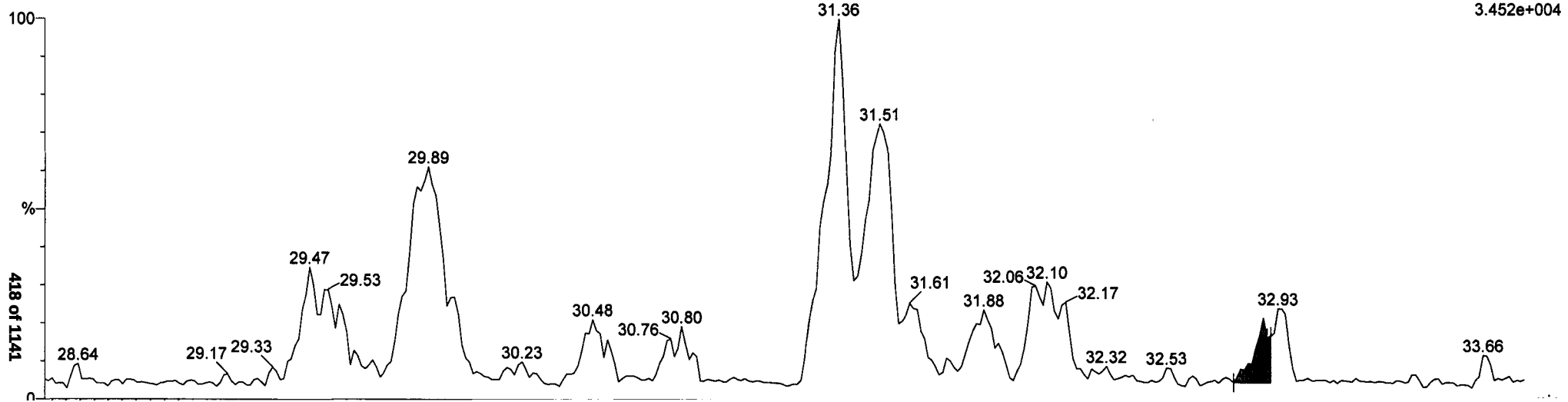
Manual Edit Codes

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

Analyst VS Date 12.22.10

20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
375.8178
3.452e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Manual Edit Codes

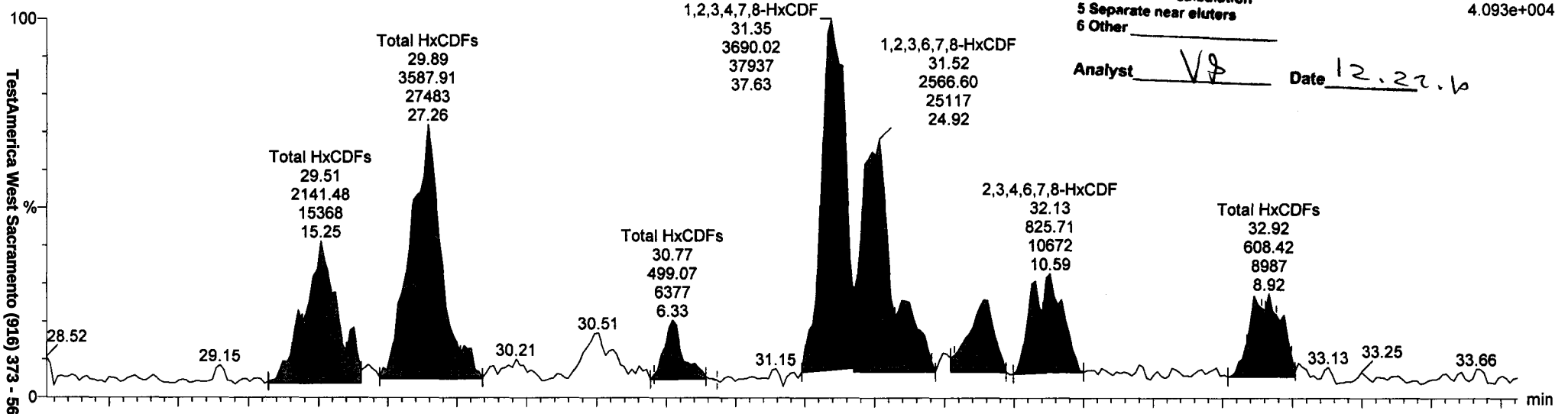
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

Analyst VB Date 12.22.10

Sample Name: 20DE10C3D5_26

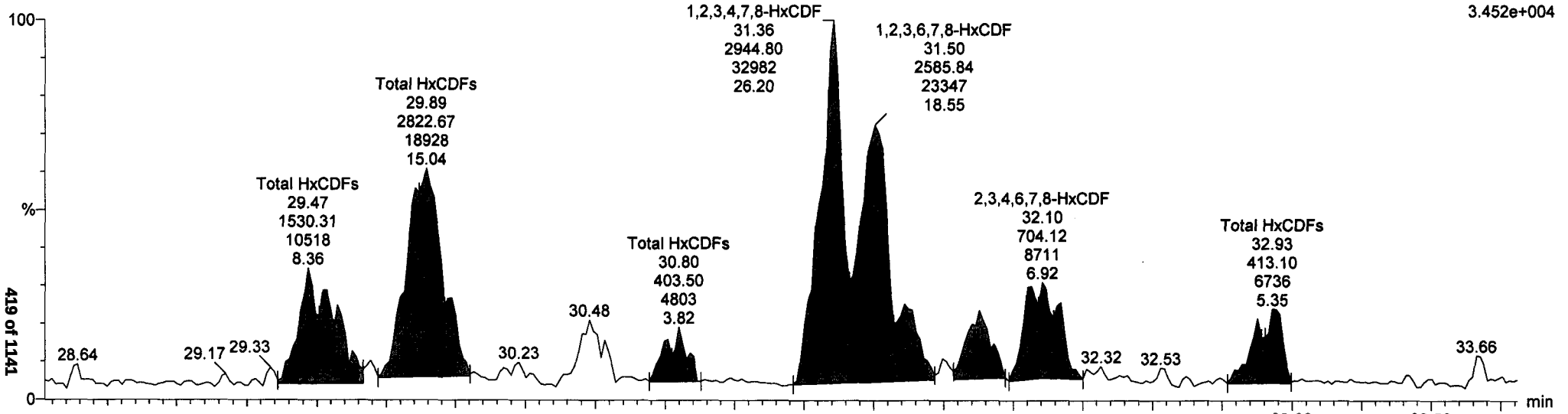
20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
373.8208
4.093e+004



20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F3:Voltage SIR,EI+
375.8178
3.452e+004



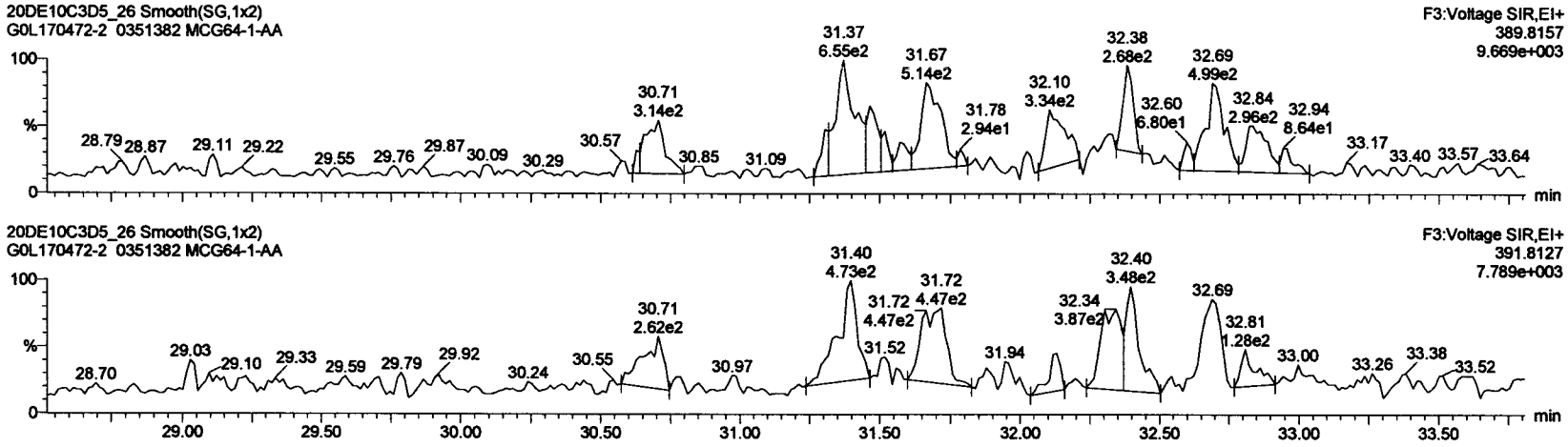
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

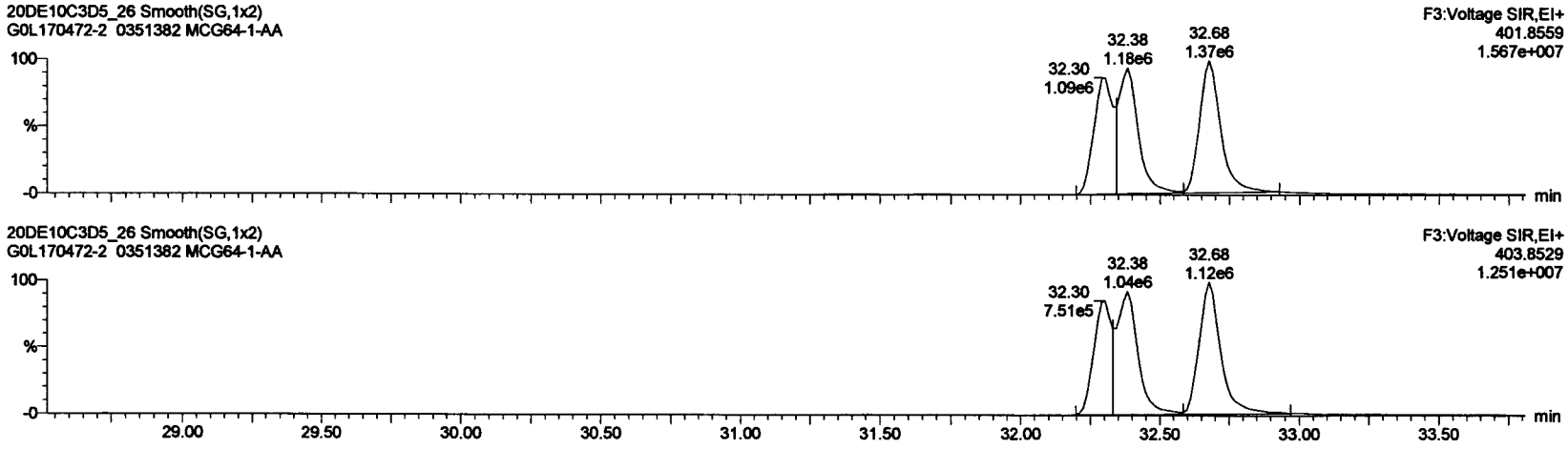
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

HxCDDs



13C-HxCDDs

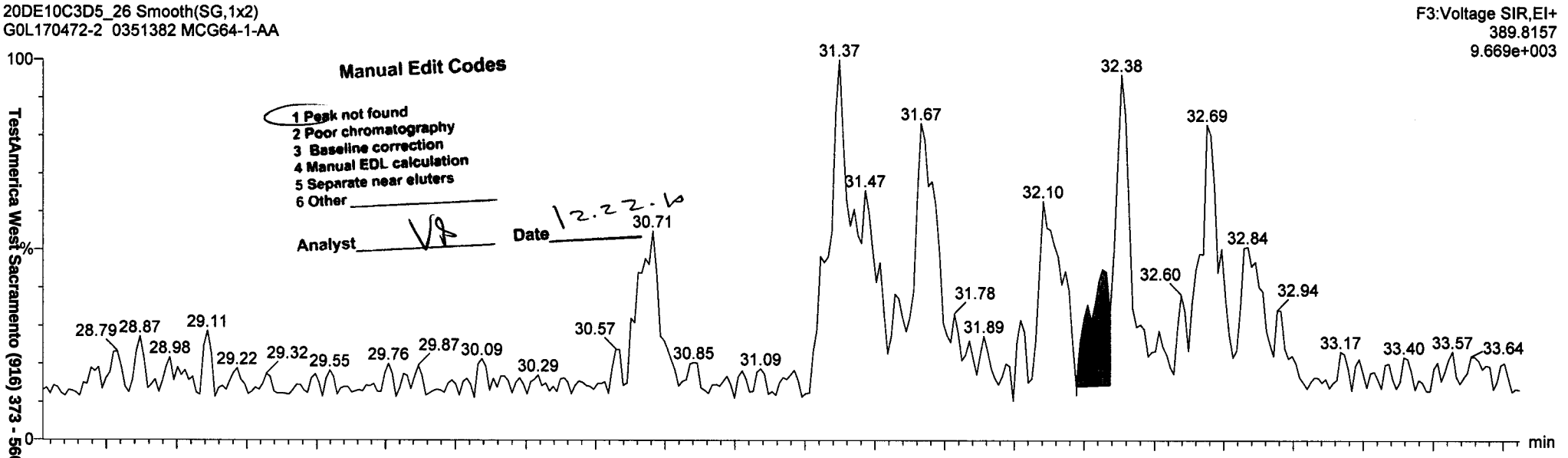


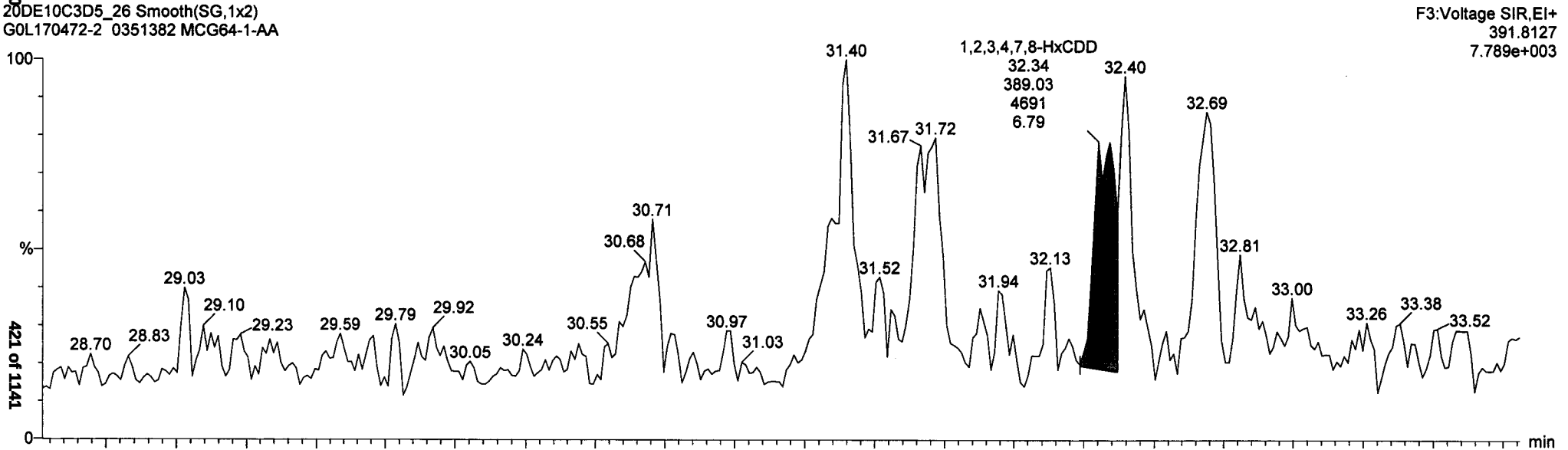
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_26



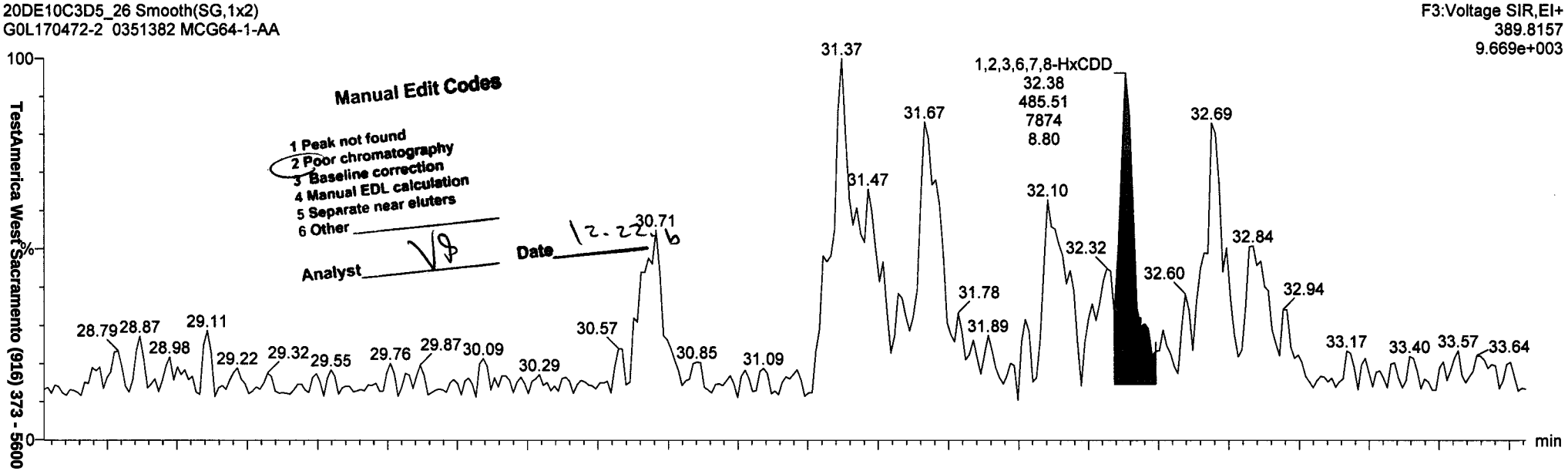


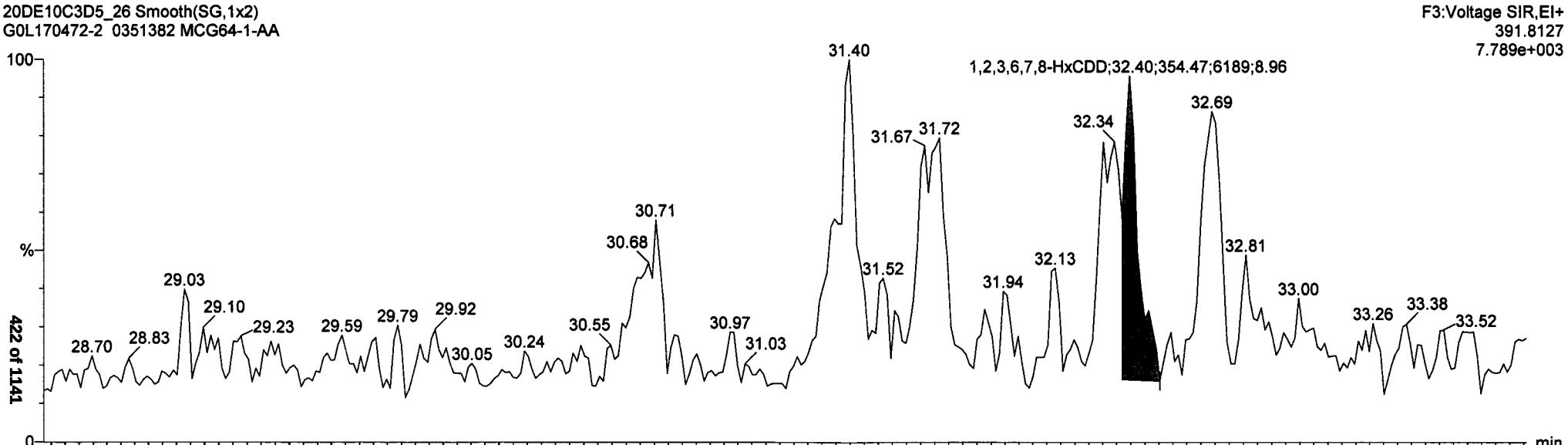
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_26



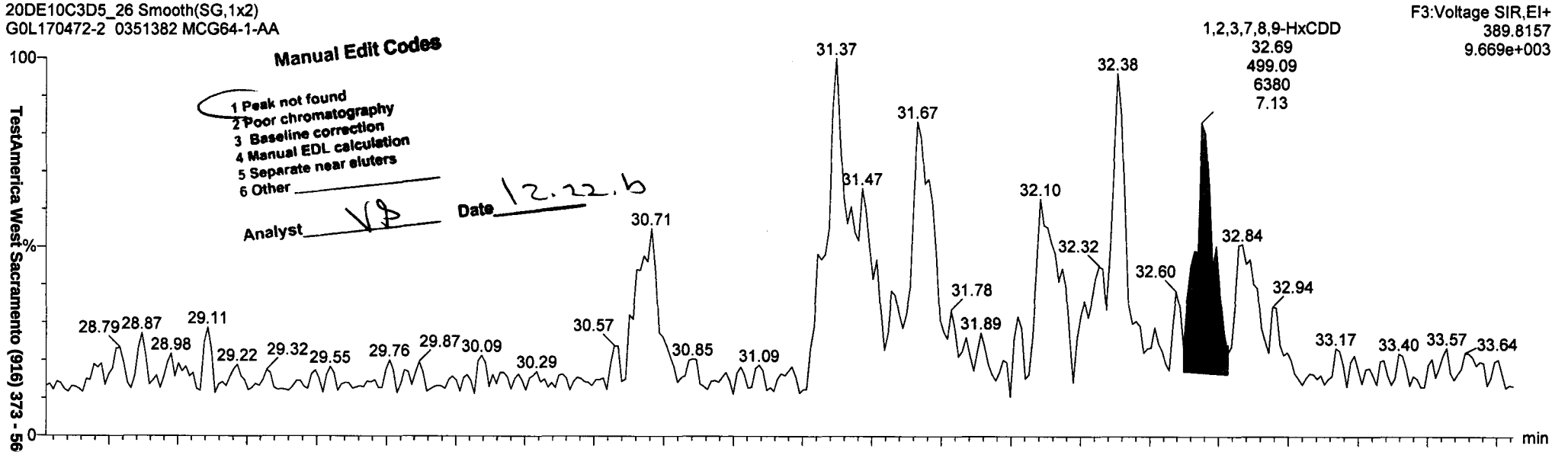


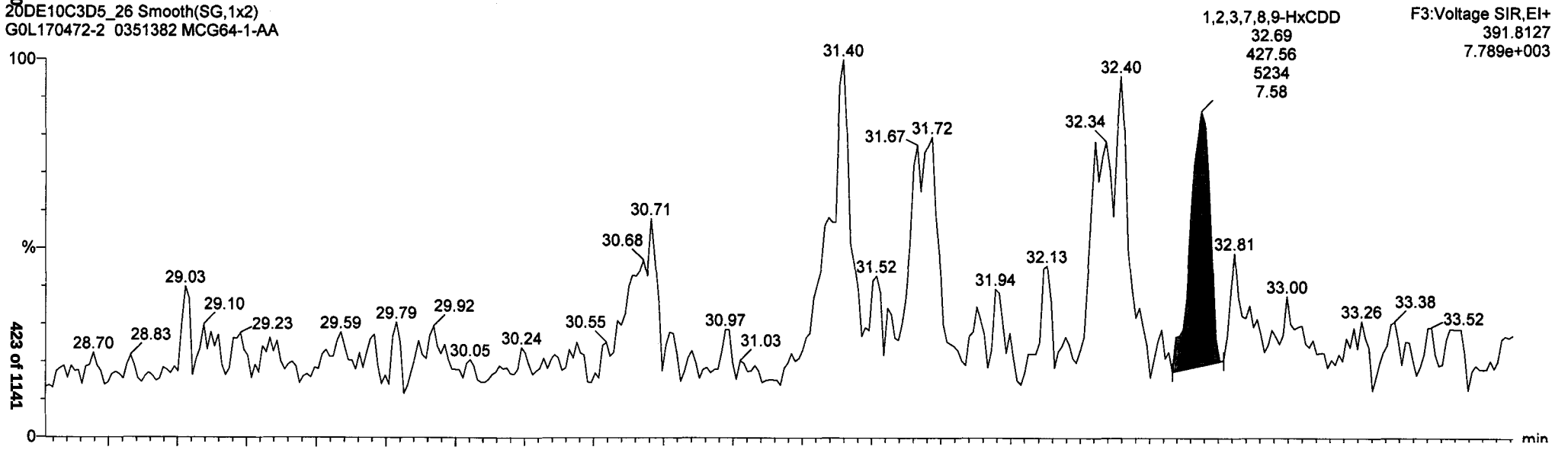
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_26



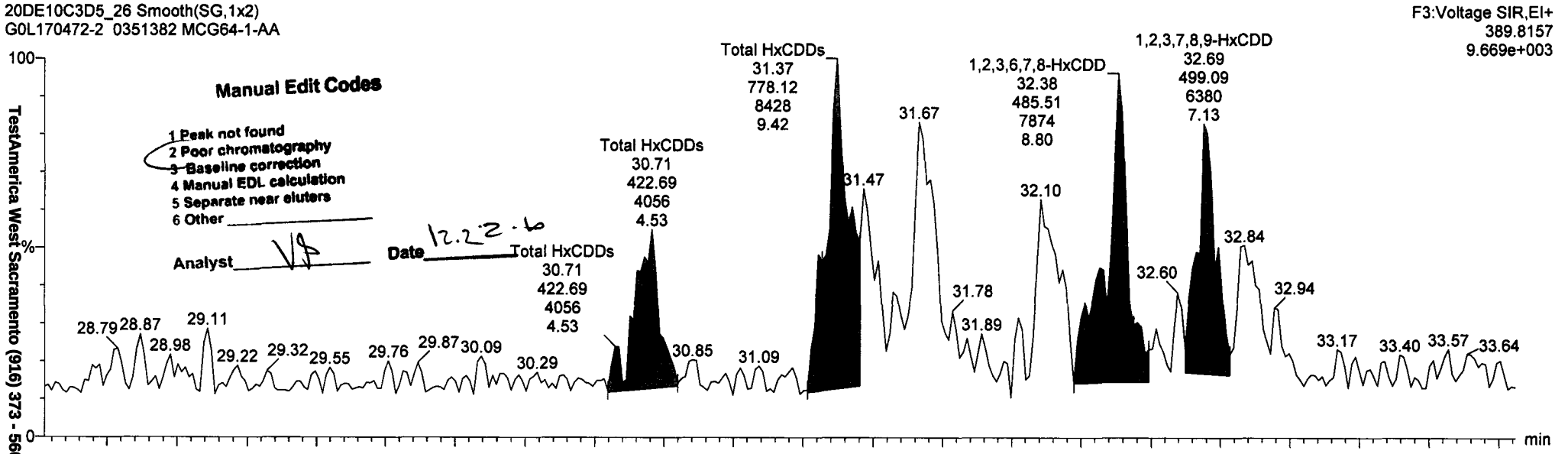


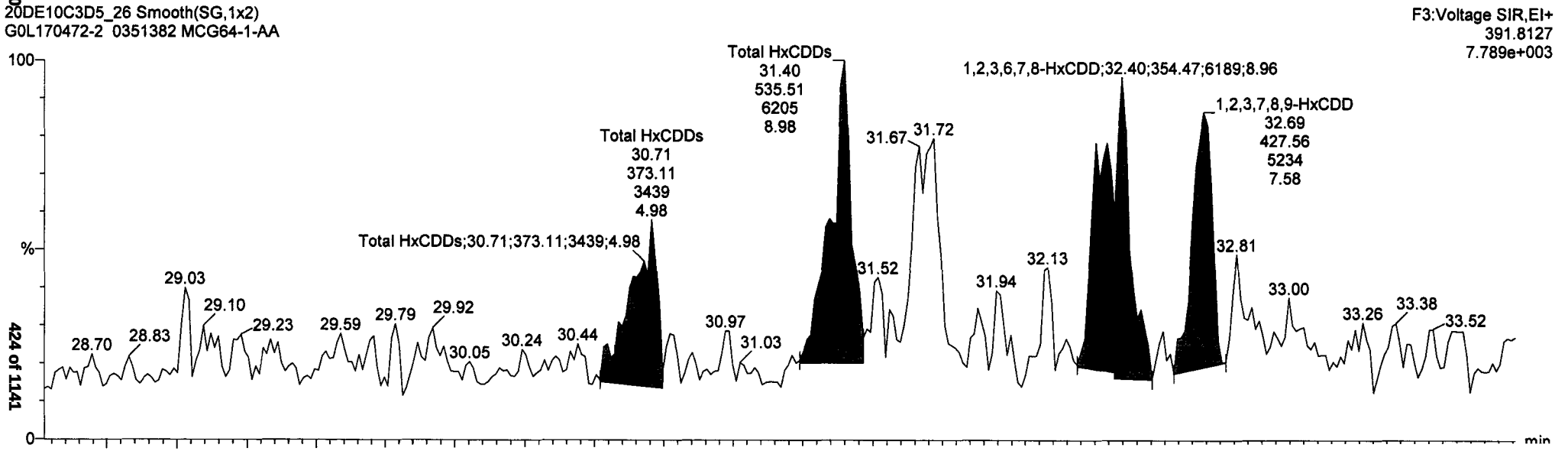
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_26





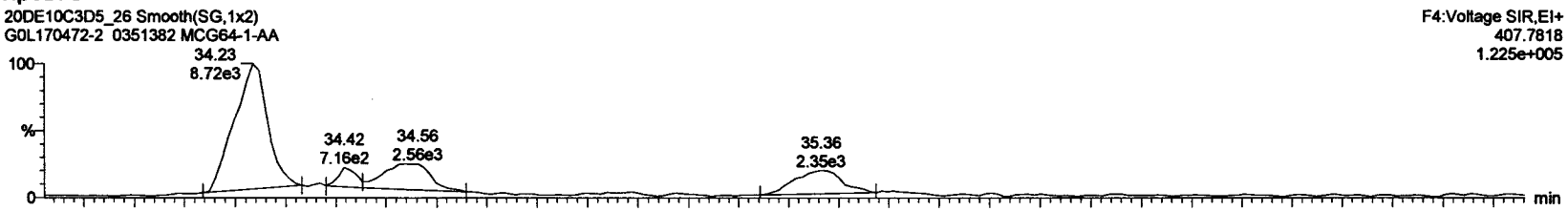
Quantify Sample Report **MassLynx 4.1**

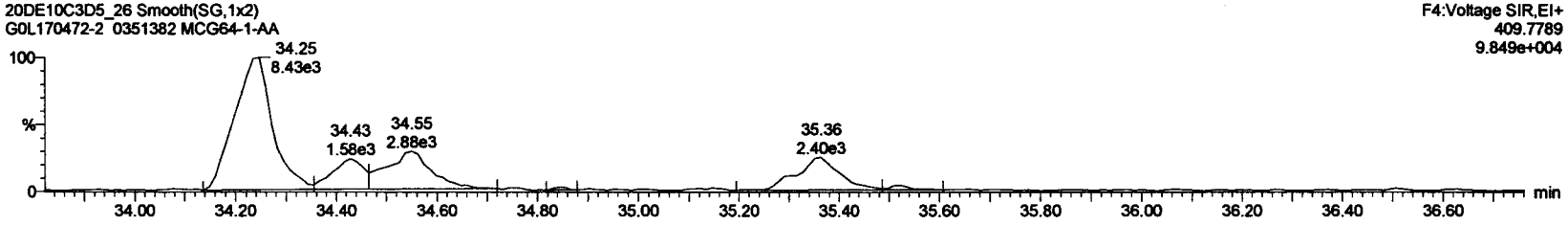
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

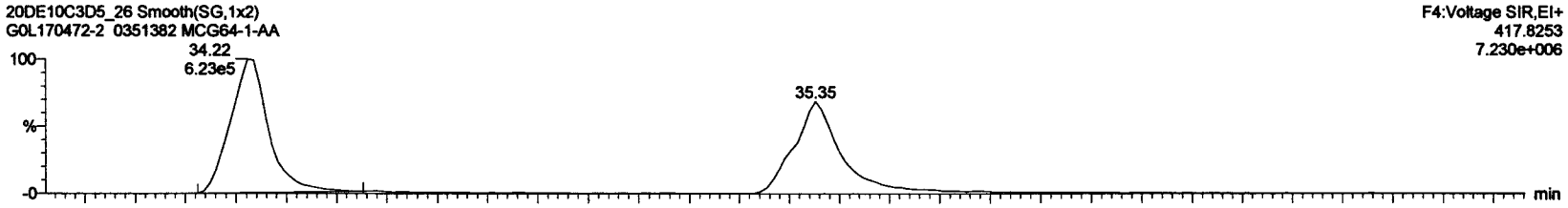
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

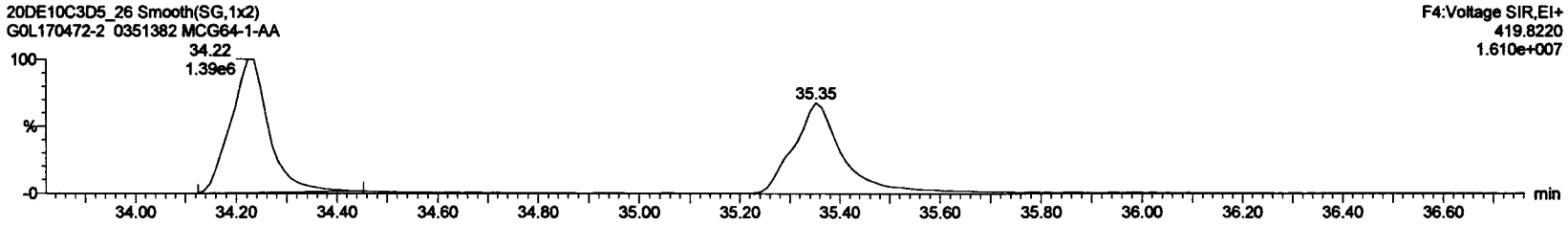
HpCDFs





13C-HpCDFs





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:03 Pacific Standard Time

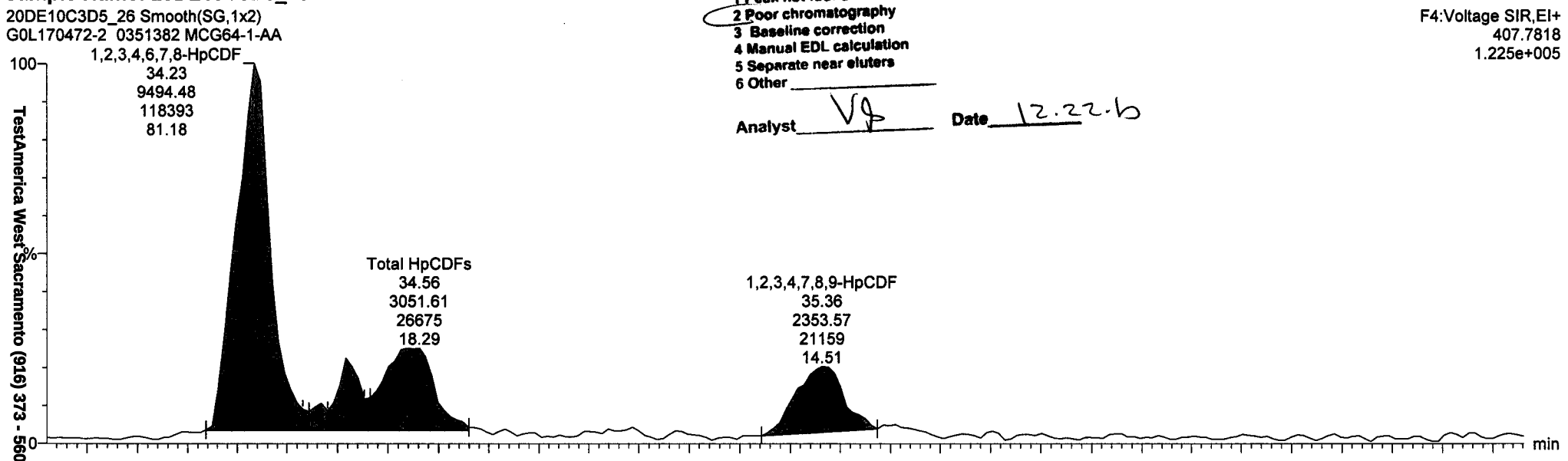
Compound Name: Total HpCDFs, Chrom. Trace: 407.7818

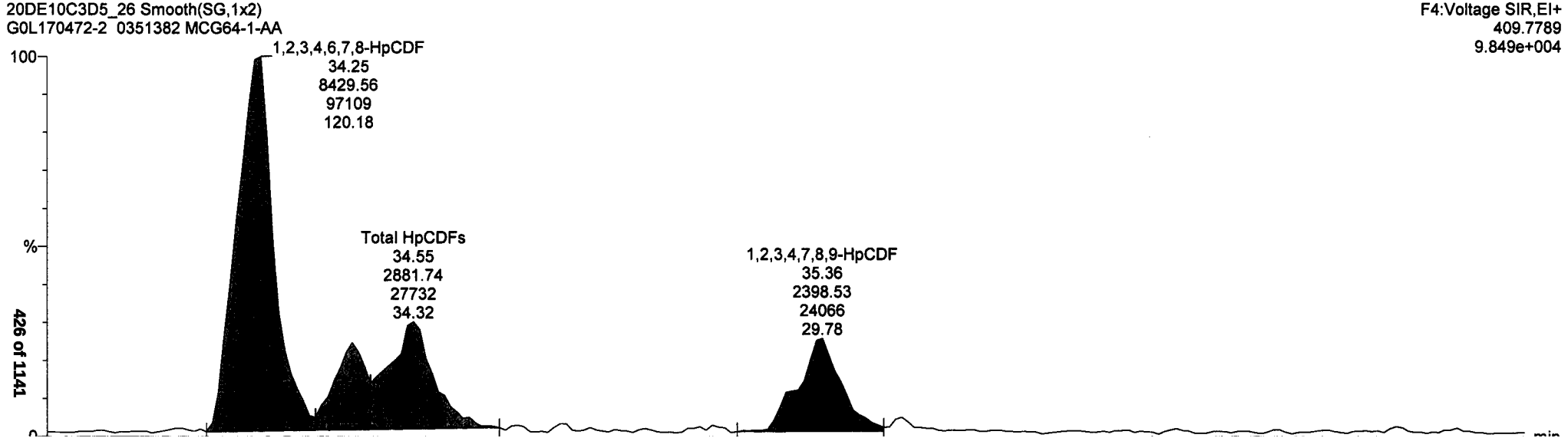
Manual Edit Codes

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

Analyst VP Date 12.22.10

Sample Name: 20DE10C3D5_26





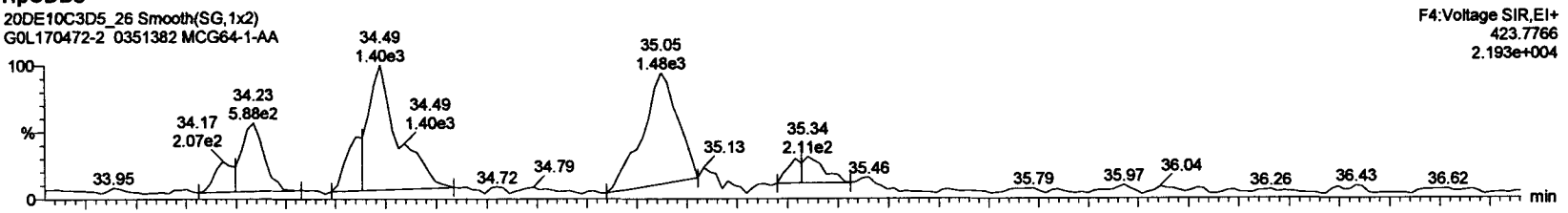
Quantify Sample Report **MassLynx 4.1**

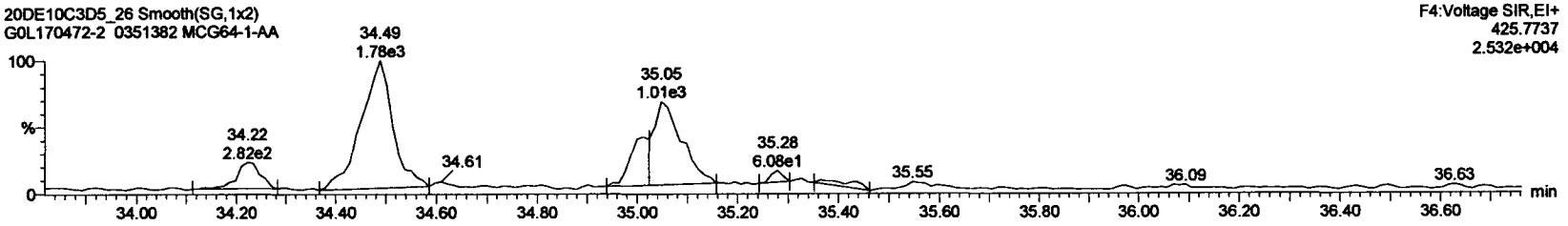
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

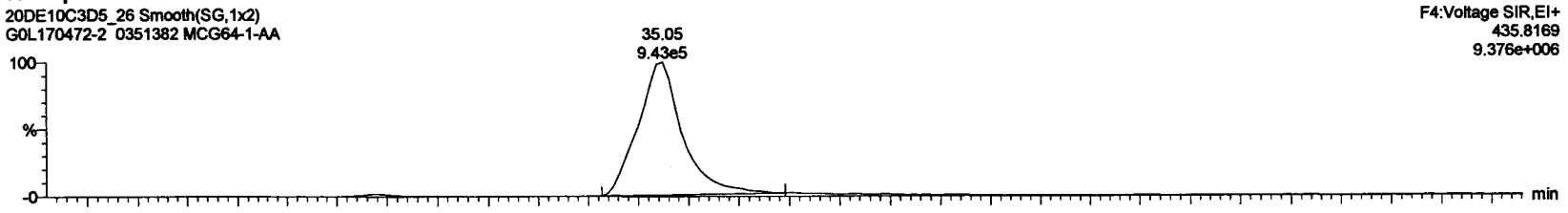
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

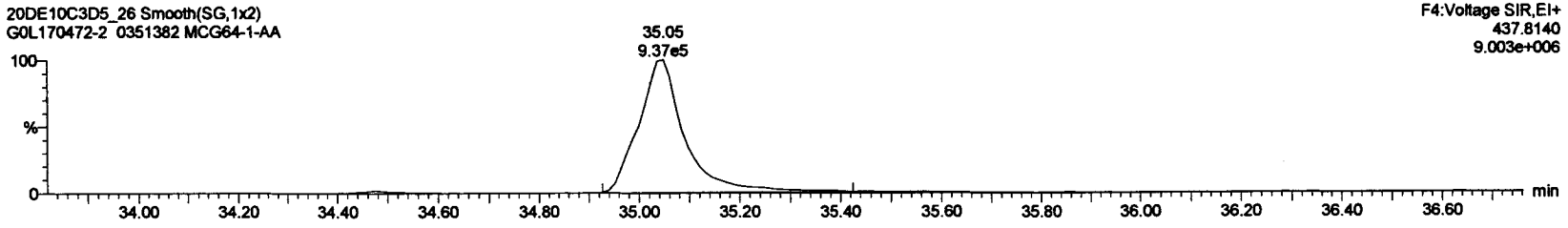
HpCDDs





13C-HpCDD





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:24 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: 1,2,3,4,6,7,8-HpCDD, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_26

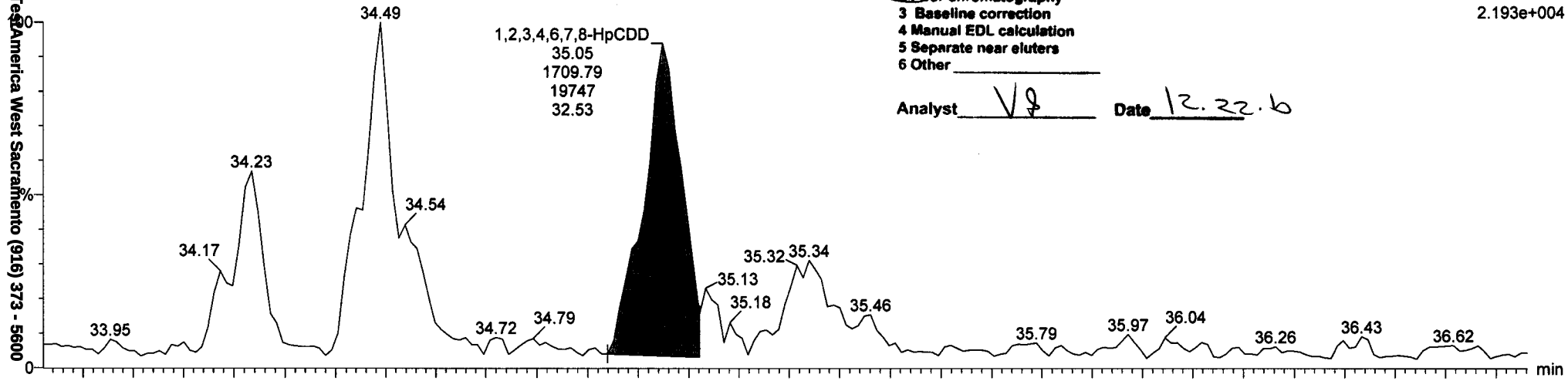
Manual Edit Codes

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

Analyst VB Date 12.22.10

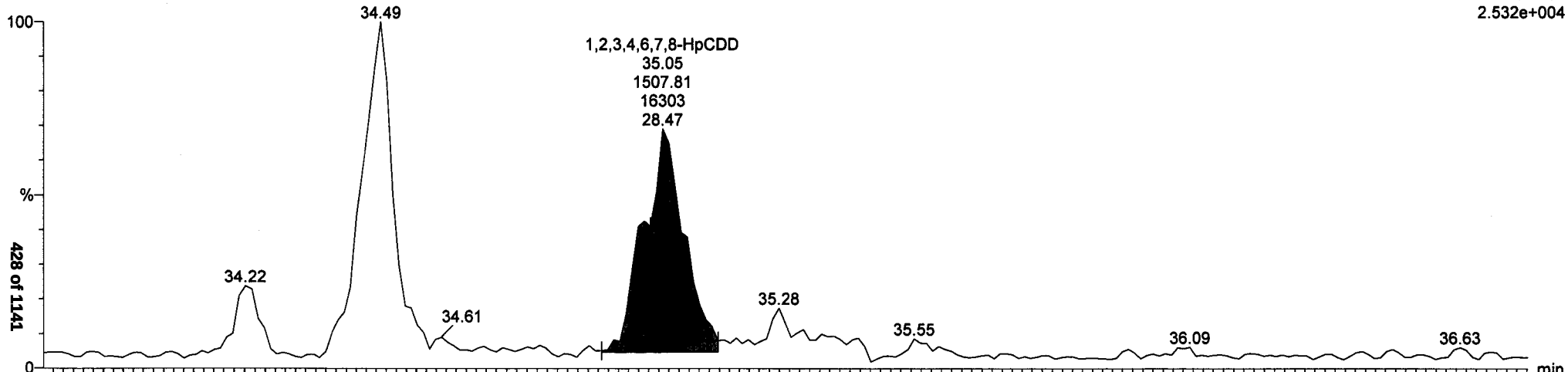
20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F4:Voltage SIR,EI+
423.7766
2.193e+004



20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F4:Voltage SIR,EI+
425.7737
2.532e+004

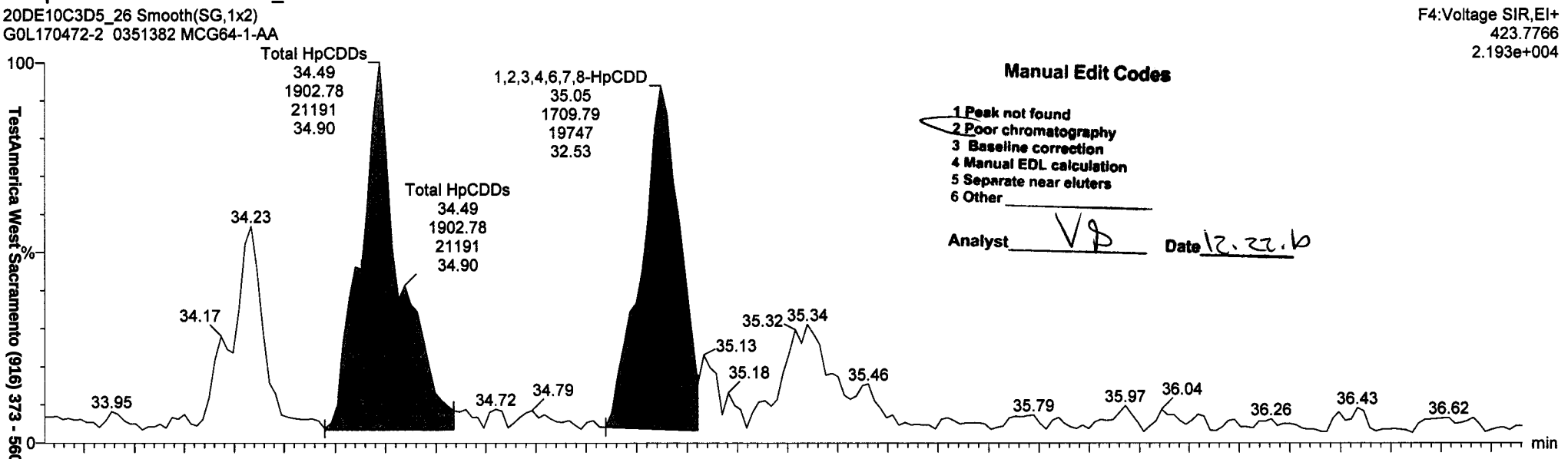


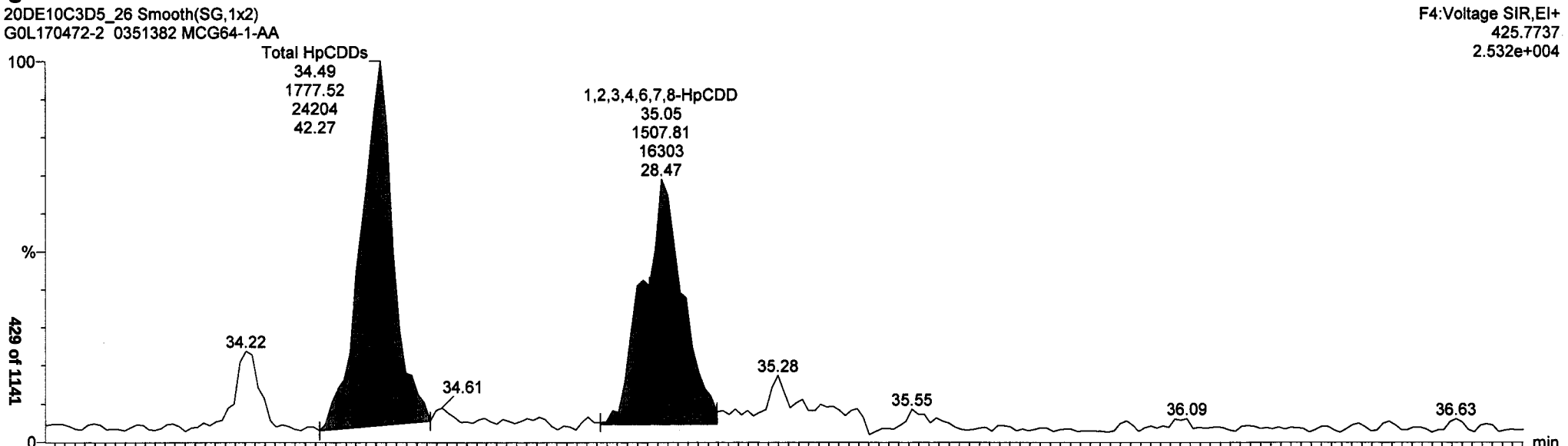
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:24 Pacific Standard Time

Compound Name: Total HpCDDs, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_26





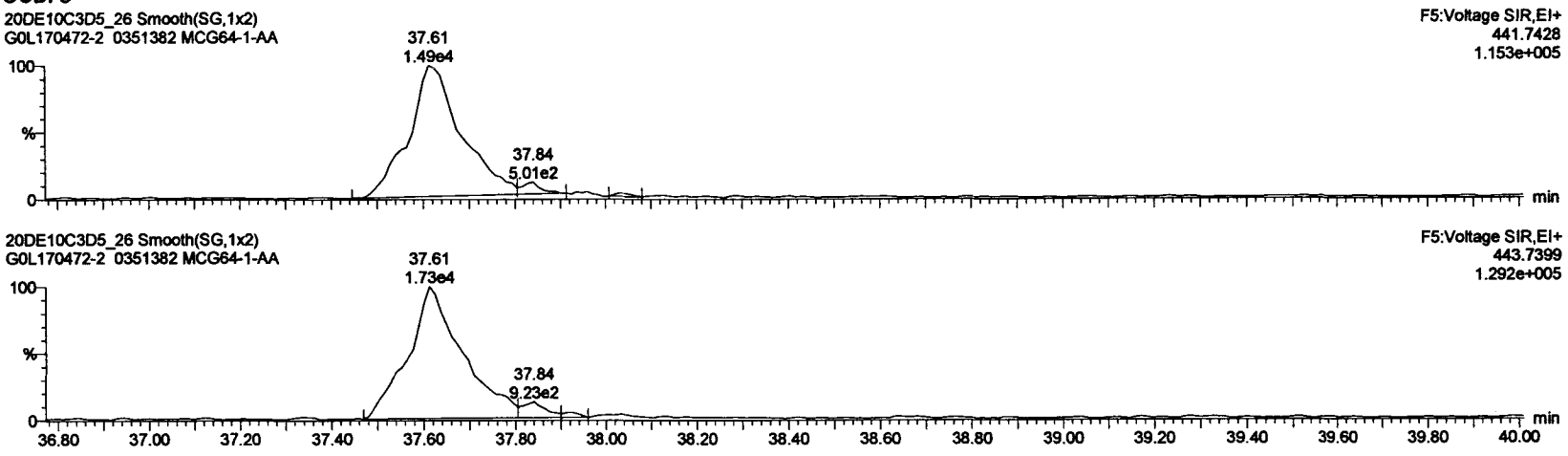
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

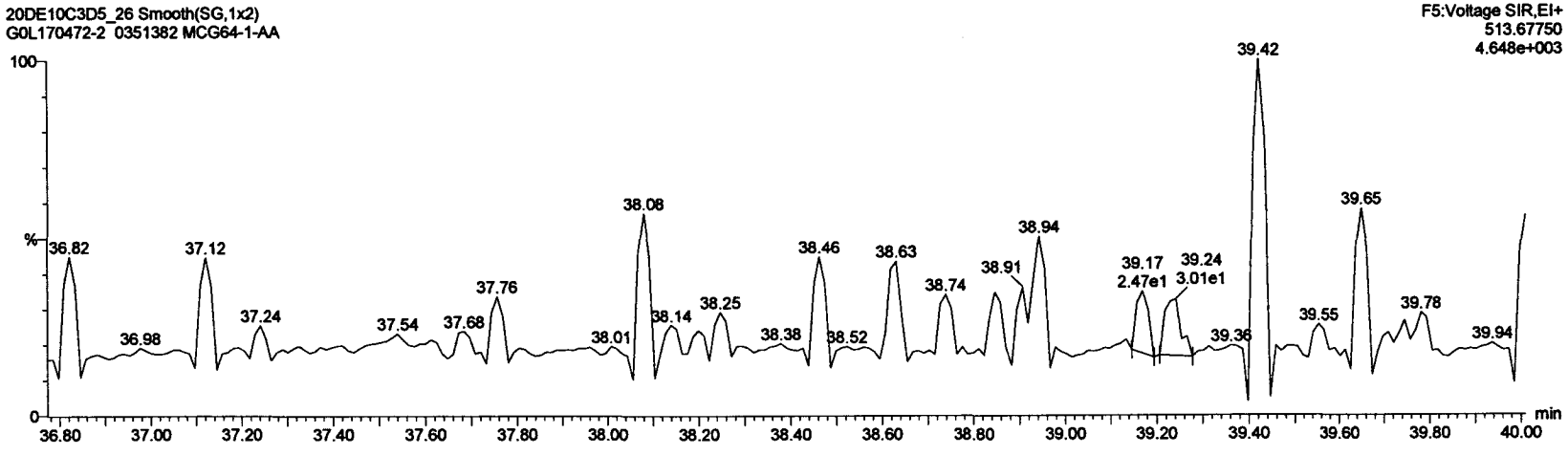
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

OCDFs



OCDF PCDPE



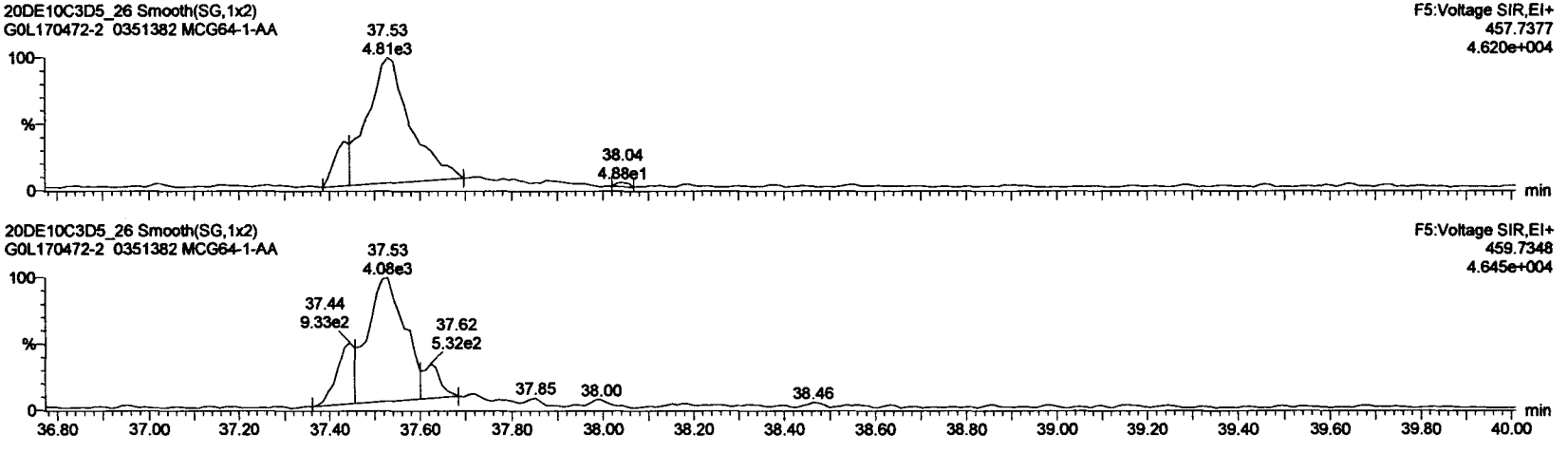
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

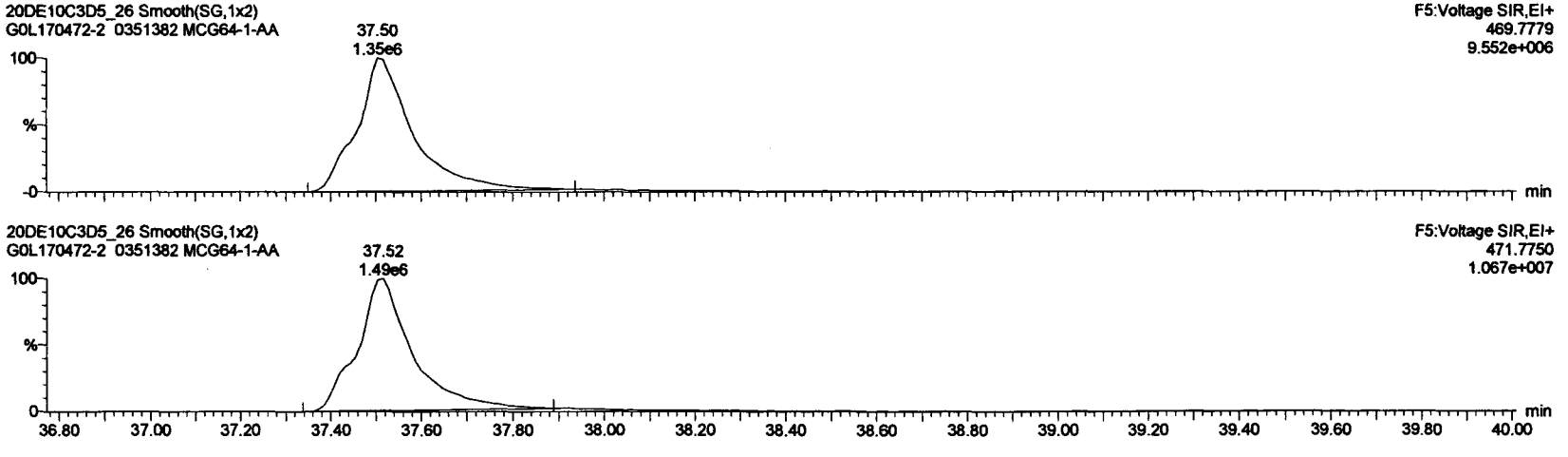
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

OCDD



13C-OCDD



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:00:35 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:03:24 Pacific Standard Time

Compound Name: OCDD, Chrom. Trace: 457.7377

Sample Name: 20DE10C3D5_26

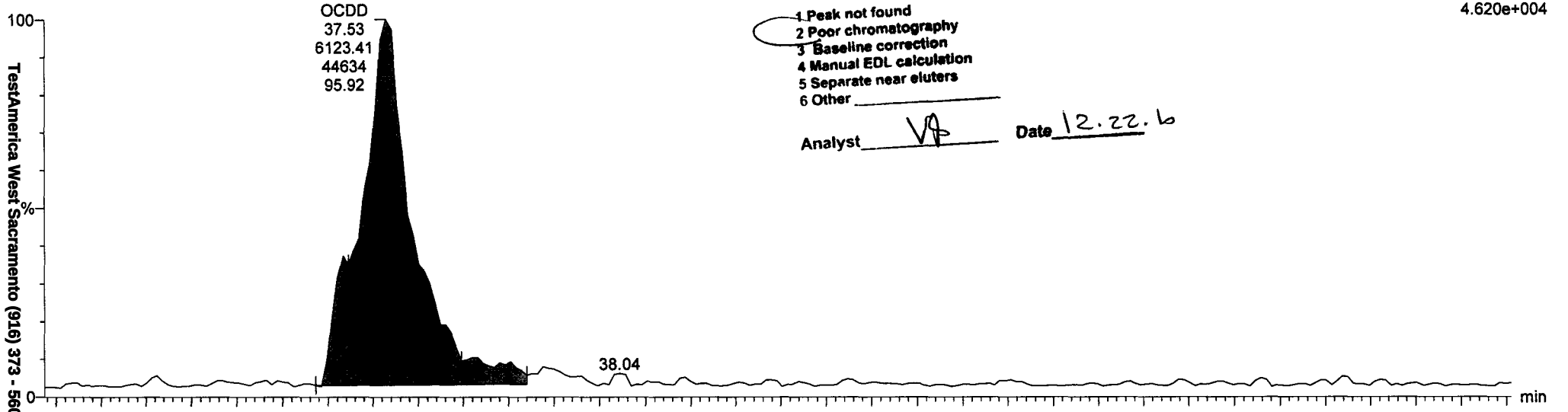
20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

Manual Edit Codes

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

Analyst VA Date 12.22.10

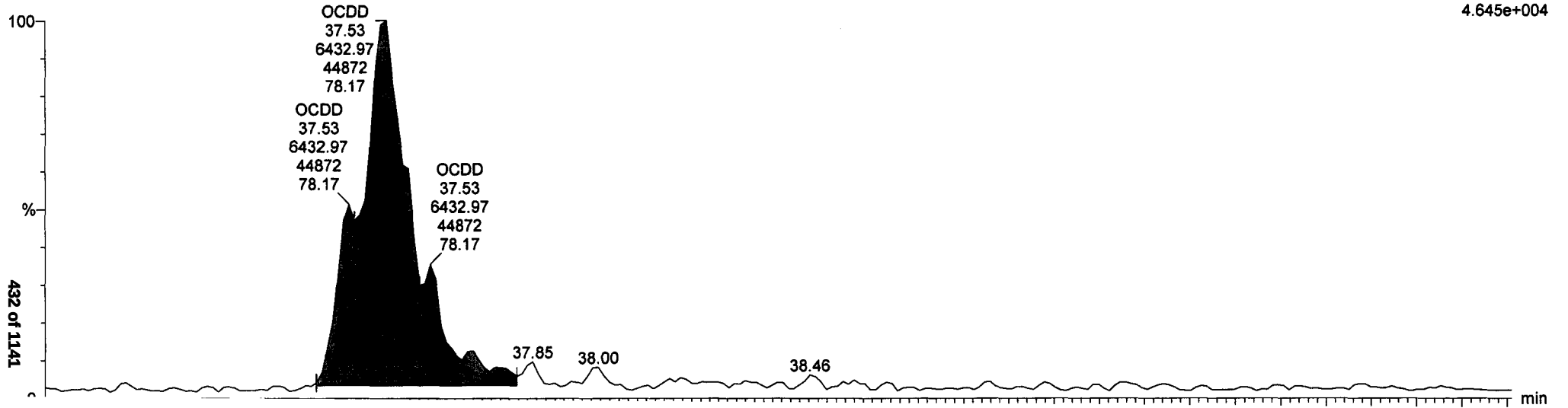
F5:Voltage SIR,EI+
457.7377
4.620e+004



TestAmerica West Sacramento (916) 373 - 5600

20DE10C3D5_26 Smooth(SG,1x2)
G0L170472-2 0351382 MCG64-1-AA

F5:Voltage SIR,EI+
459.7348
4.645e+004



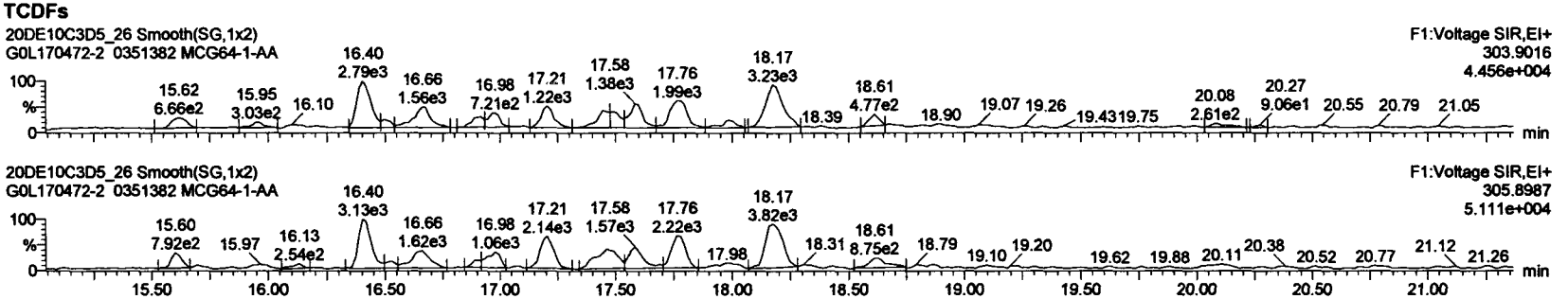
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

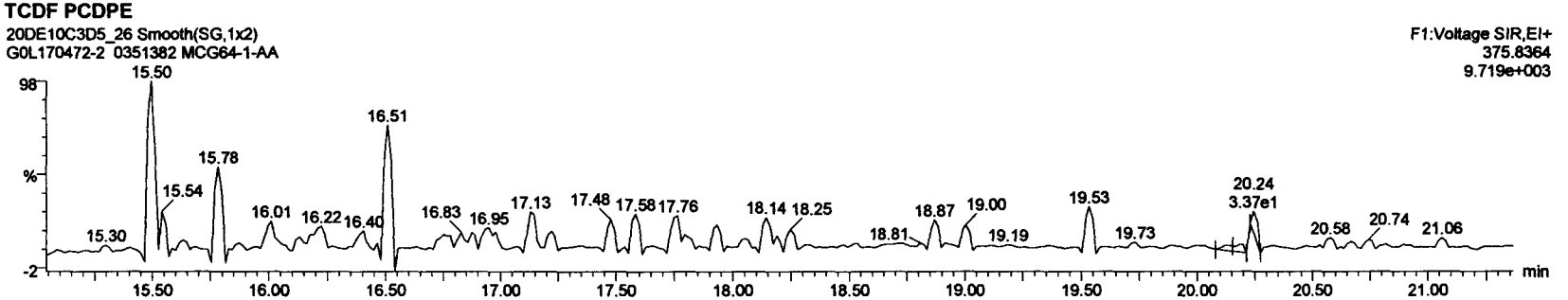
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

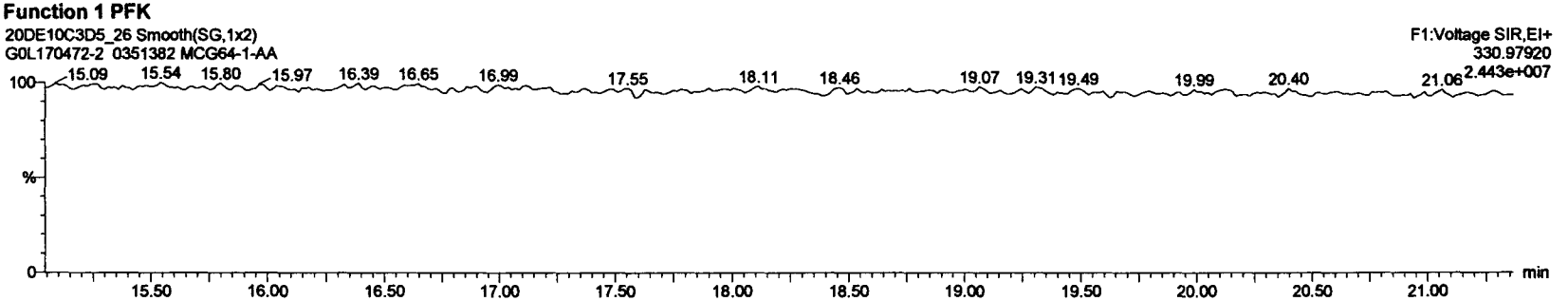
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
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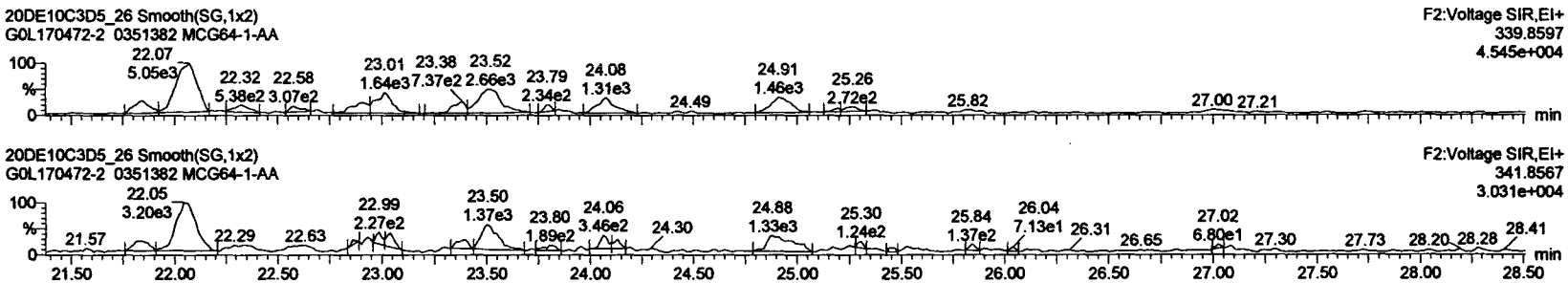
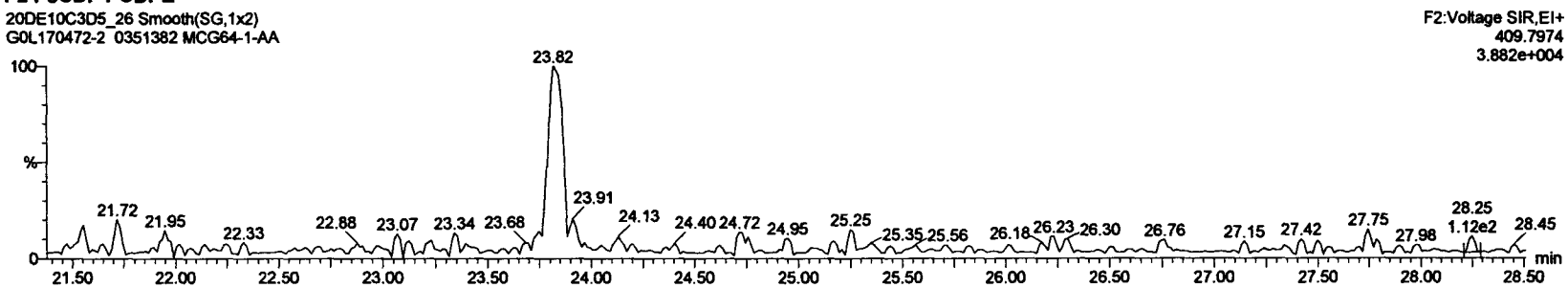
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

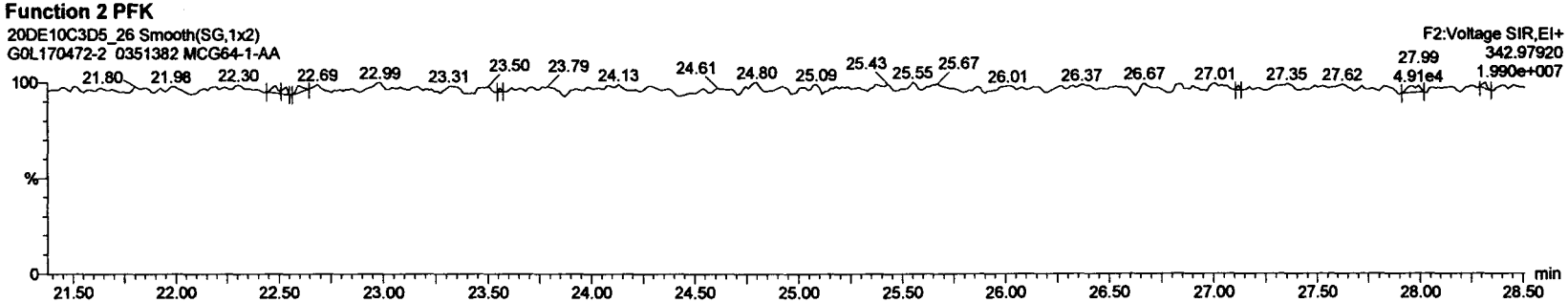
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



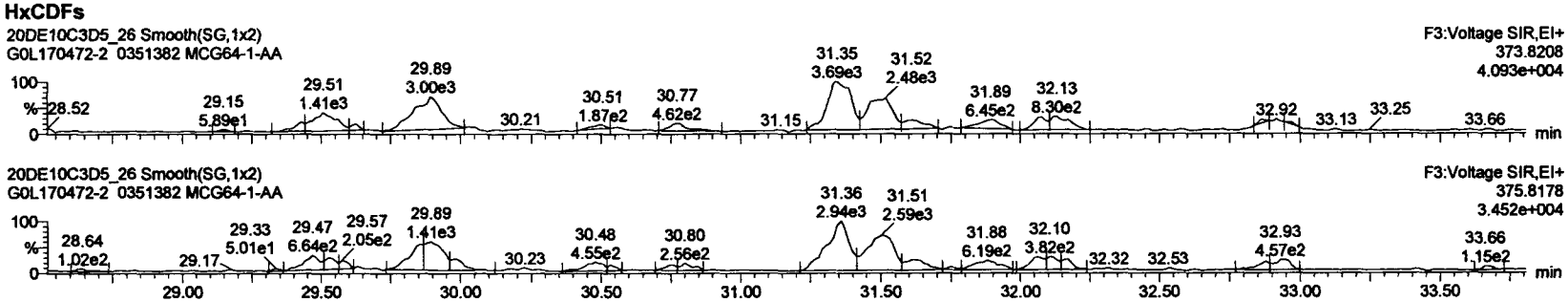
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

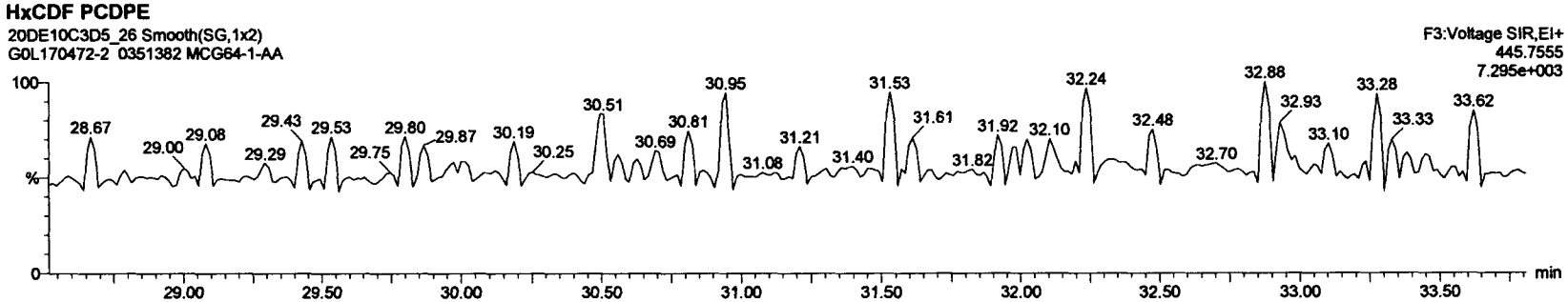
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

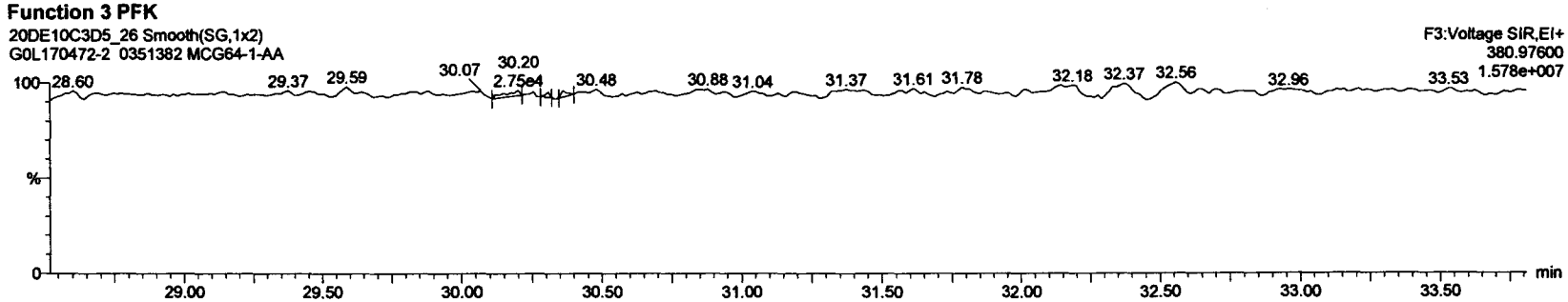
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
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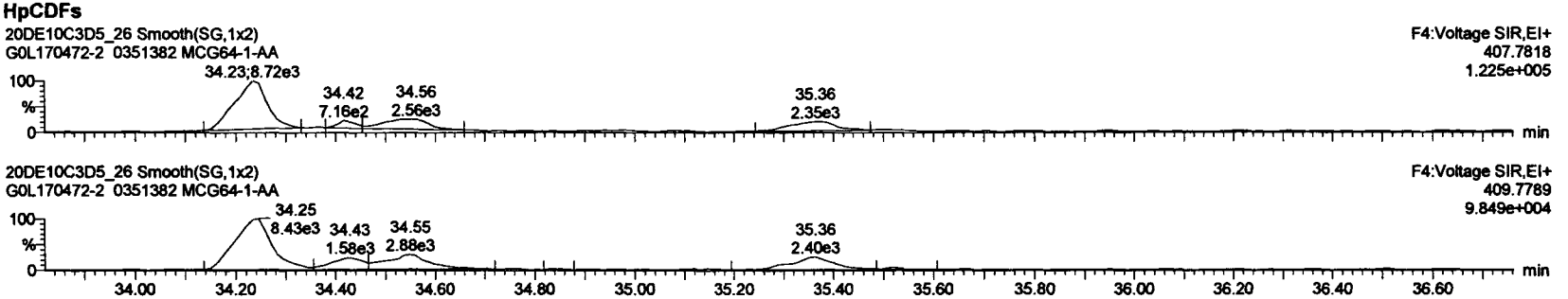
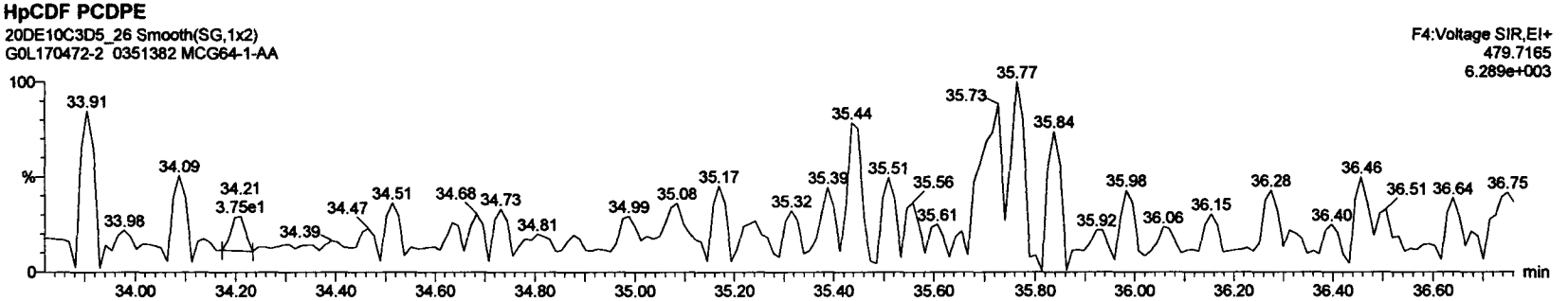
Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

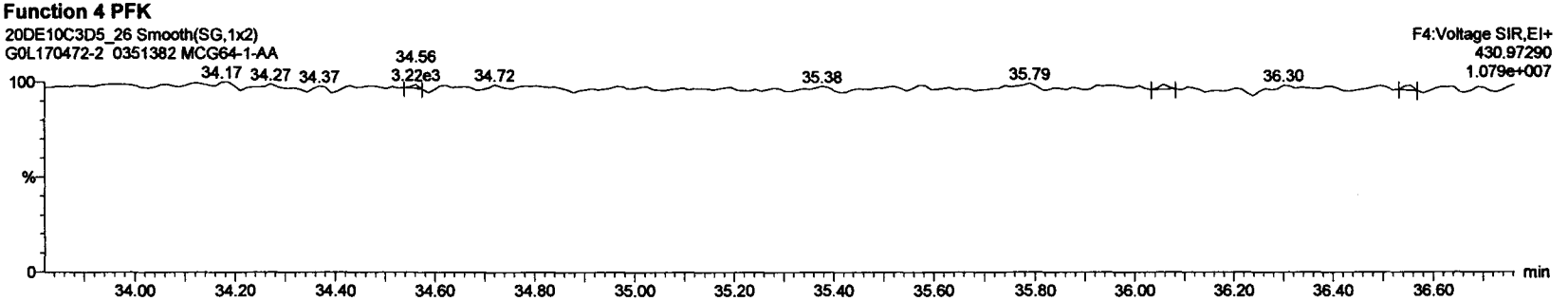
HpCDFs



HpCDF PCDPE



Function 4 PFK



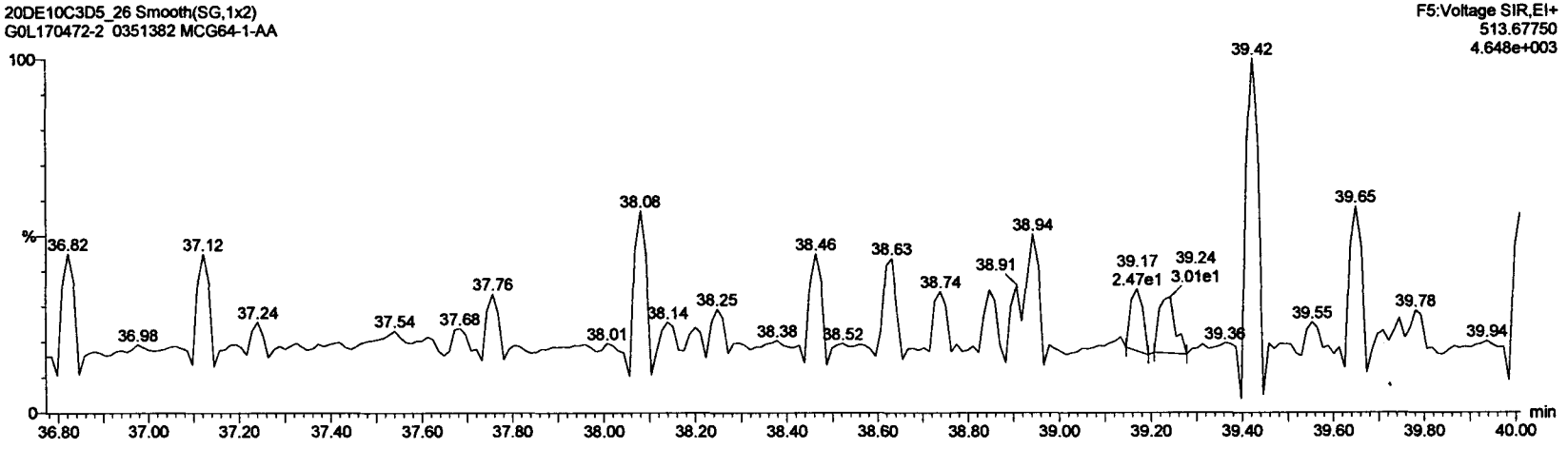
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

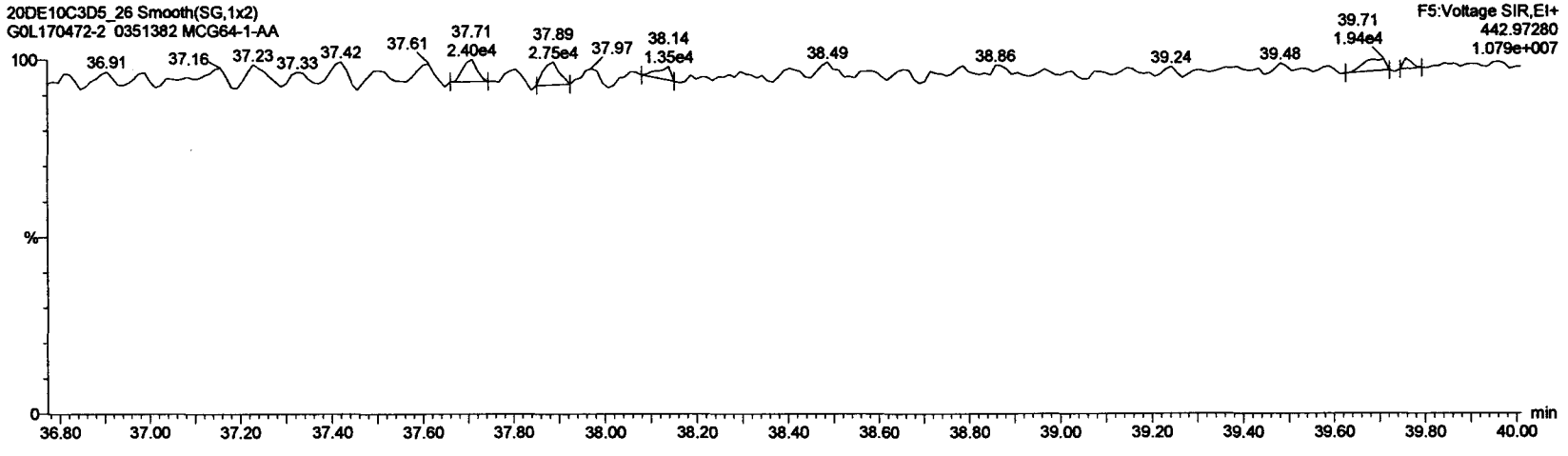
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_26, Date: 21-Dec-2010, Time: 11:32:45, ID: MCG64-1-AA, Description: G0L170472-2 0351382

OCDF PCDPE



Function 5 PFK



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 Pacific Standard Time
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V8 12.22.6

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_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.70	1.000	3463305.00	4000.0000	4000.0000	100.0	2.1462	0.767	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	4133256.63	3589.4781	3589.4781	89.7	1.6182	0.793	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.16	0.972	11897.04	11.8511	11.8511	J	0.4572	0.772	0.770	NO	22-Dec-10
5	Total TCDFs	303.9016	0.50000		21.44	0.972		80.0975	78.9247		0.4572				
6															
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	2777471.75	3604.6679	3604.6679	90.1	2.4116	0.757	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000		18.93	1.009			ND		0.7179		0.770		
9	Total TCDDs	319.8965	0.50000		19.55	1.009		3.2503	3.2503		0.7179				
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	765103.25	1696.7388	0.0000	106.0	1.7029				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.52	23.54	0.971	3124283.13	3717.3525	3717.3525	92.9	3.1637	1.554	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.55	23.55	1.069	4830.93	5.7852	5.7852	J	1.0512	1.670	1.550	NO	22-Dec-10
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.92	24.96	1.028	3211.16	3.9976	3.9976	J	1.0927	1.501	1.550	NO	22-Dec-10
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		42.2684	42.0323		~~1.0716~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		4.4419	+ 4.4419		~~0.7063~~				
18											= 46.47				
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.75	0.715	2342943.19	3783.4454	3783.4454	94.6	2.7659	1.563	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000		25.73	0.884			ND		1.3381		1.550		
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		4.6554	4.5003		1.3381				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.69	32.74	1.000	2283494.00	4000.0000	4000.0000	100.0	5.6932	1.187	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.36	31.38	1.084	2165060.06	3497.3839	3497.3839	87.4	3.8398	0.522	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.37	31.38	1.219	7201.59	10.9192	10.9192	J	0.9775	1.354	1.240	NO	22-Dec-10
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.50	31.51	1.396	5465.39	7.2318	7.2318	J	0.8531	1.182	1.240	NO	22-Dec-10
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.16	32.15	1.237	1289.22	1.9248	1.6871	JQ	0.9625	1.556	1.240	YES	22-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.89	32.86	1.078	474.79	0.8136	~~0.8136~~	~~J~~	1.1047	1.186	1.240	NO	22-Dec-10
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		50.8288	~~49.1911~~		~~0.9663~~				
31											48.38				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 Pacific Standard Time
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Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.40	32.40	0.894	2177152.75	4263.6020	4263.6020	106.6	6.3648	1.230	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.30	32.33	1.028	418.65	0.7485	0.6858	DL	~~0.6179~~	1.445	1.240	YES	22-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.41	32.41	1.111	470.31	0.7781	0.7781	DL	~~0.5718~~	1.226	1.240	NO	22-Dec-10
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.68	32.70	1.113	436.71	0.7211	0.6154	DL	~~0.5706~~	1.625	1.240	YES	22-Dec-10
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		8.3727	~~6.5520~~		~~0.5860~~				
37									3.79 ✓						
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.23	34.22	0.881	1844513.63	3668.2591	3668.2591	91.7	7.7860	0.447	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.25	34.25	1.402	17188.00	26.5924	23.9182	JB	0.7674	1.268	1.040	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.38	35.35	1.199	3900.46	7.0540	7.0540	J	0.8970	1.129	1.040	NO	22-Dec-10
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		48.0807	42.9579	✓	0.8271				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	35.02	0.857	1786836.56	3650.5629	3650.5629	91.3	7.6071	1.032	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.04	35.06	0.981	1789.56	4.0833	4.0833	JB	0.8995	1.024	1.040	NO	22-Dec-10
45	Total HpCDDs	423.7766	0.50000		-0.02	0.981		9.3260	9.3260	✓	0.8995				
46															
47	13C-OCDD	469.7779	0.50000	37.52	37.45	0.643	2738362.00	7458.0928	7458.0928	93.2	14.6315	0.893	0.890	NO	
48	OCDF	441.7428	0.50000	37.63	37.62	1.477	26844.70	53.0957	53.0957	J	1.6050	0.871	0.890	NO	22-Dec-10
49	OCDD	457.7377	0.50000	37.56	37.53	1.196	6716.00	16.4023	16.4023	JB	1.2745	0.897	0.890	NO	22-Dec-10
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 PCDPE	375.8364	1.00000		20.25	17.814					0.0000				
58	F1 PeCDF PCDPE	409.79740	1.00000		19.31	97.109					0.0000				
59	F2 PeCDF PCDPE	409.7974	1.00000		28.29	51.063					0.0000				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.25	34.27	39.173	71.53	1.8261		182.6	5.2709				
62	OCDF PCDPE	513.67750	1.00000	39.12	39.16	27.302	52.05	1.9064		190.6	0.7693				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 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: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.48	1400.347	1.3949	1.3949	0.97151	0.4572	0.800	0.770	NO 13.527
	5 Total TCDFs	303.9016	16.39	14362.856	14.3074	14.3074	0.97151	0.4572	0.730	0.770	NO 115.596
	5 Total TCDFs	303.9016	16.10	1667.604	1.6612	1.4000	0.97151	0.4572	1.100	0.770	YES 11.755
	5 Total TCDFs	303.9016	15.59	3858.667	3.8438	3.8438	0.97151	0.4572	0.881	0.770	NO 31.018
	5 Total TCDFs	303.9016	18.85	1303.568	1.2985	1.1383	0.97151	0.4572	1.019	0.770	YES 6.889
	5 Total TCDFs	303.9016	18.63	1664.735	1.6583	1.6583	0.97151	0.4572	0.831	0.770	NO 10.347
	4 2,3,7,8-TCDF	303.9016	18.17	11897.039	11.8511	11.8511	0.97151	0.4572	0.772	0.770	NO 70.983
	5 Total TCDFs	303.9016	17.99	1670.700	1.6643	1.4473	0.97151	0.4572	0.609	0.770	YES 12.298
	5 Total TCDFs	303.9016	17.76	7435.120	7.4064	7.4064	0.97151	0.4572	0.734	0.770	NO 52.536
	5 Total TCDFs	303.9016	17.58	5979.869	5.9568	5.9568	0.97151	0.4572	0.717	0.770	NO 39.690
	5 Total TCDFs	303.9016	17.48	6589.159	6.5637	6.5637	0.97151	0.4572	0.768	0.770	NO 37.579
	5 Total TCDFs	303.9016	17.19	7371.472	7.3430	7.3430	0.97151	0.4572	0.794	0.770	NO 52.221
	5 Total TCDFs	303.9016	16.96	4654.600	4.6366	4.6366	0.97151	0.4572	0.822	0.770	NO 35.190
	5 Total TCDFs	303.9016	16.90	2223.546	2.2150	1.9122	0.97151	0.4572	1.050	0.770	YES 20.574
	5 Total TCDFs	303.9016	16.65	6830.238	6.8039	6.8039	0.97151	0.4572	0.734	0.770	NO 36.736
	5 Total TCDFs	303.9016	15.95	1498.198	1.4924	1.2607	0.97151	0.4572	1.095	0.770	YES 8.941

Total TCDDs

	9 Total TCDDs	319.8965	16.86	1446.037	2.0644	2.0644	1.00877	0.7179	0.871	0.770	NO 8.449
	9 Total TCDDs	319.8965	16.56	830.682	1.1859	1.1859	1.00877	0.7179	0.703	0.770	NO 7.212

Total F2 PeCDFs

	1. 1,2,3,7,8-PeCDF	339.8597	23.55	4830.925	5.7852	5.7852	1.06912	1.0512	1.670	1.550	NO 16.715
	1. Total F2 PeCD...	339.8597	23.38	2162.811	2.6403	2.6403	1.04877	1.0716	1.340	1.550	NO 7.682
	1. Total F2 PeCD...	339.8597	23.03	5560.964	6.7886	6.7886	1.04877	1.0716	1.398	1.550	NO 15.550
	1. Total F2 PeCD...	339.8597	22.09	13674.257	16.6929	16.6929	1.04877	1.0716	1.655	1.550	NO 43.391
	1. Total F2 PeCD...	339.8597	21.84	2703.779	3.3007	3.3007	1.04877	1.0716	1.379	1.550	NO 11.084
	1. 2,3,4,7,8-PeCDF	339.8597	24.92	3211.159	3.9976	3.9976	1.02843	1.0927	1.501	1.550	NO 10.429
	1. Total F2 PeCD...	339.8597	24.09	2509.309	3.0633	2.8271	1.04877	1.0716	1.278	1.550	YES 9.778

Total F1 PeCDFs

	1. Total F1 PeCD...	339.8597	20.41	3638.667	4.4419	4.4419	1.04877	0.7063	1.725	1.550	NO 13.775

Total PeCDDs

	2. Total PeCDDs	355.8546	23.56	1358.958	2.6243	2.6243	0.88408	1.3381	1.556	1.550	NO 5.214
	2. Total PeCDDs	355.8546	22.30	1051.806	2.0312	1.8760	0.88408	1.3381	1.280	1.550	YES 4.250

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

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 15:07:50 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

Total HxCDFs

	3. Total HxCDFs	373.8208	31.63	1637.425	2.4543	2.0592	1.23262	0.9663	0.867	1.240	YES 13.033
	2. 1,2,3,6,7,8-Hx...	373.8208	31.50	5465.393	7.2318	7.2318	1.39626	0.8531	1.182	1.240	NO 35.747
	2. 1,2,3,4,7,8-Hx...	373.8208	31.37	7201.589	10.9192	10.9192	1.21851	0.9775	1.354	1.240	NO 44.197
	3. Total HxCDFs	373.8208	30.80	1043.373	1.5639	1.4050	1.23262	0.9663	1.493	1.240	YES 4.521
	3. Total HxCDFs	373.8208	30.49	1383.193	2.0732	1.8143	1.23262	0.9663	1.560	1.240	YES 6.908
	3. Total HxCDFs	373.8208	29.92	7903.357	11.8460	11.8460	1.23262	0.9663	1.151	1.240	NO 37.959
	3. Total HxCDFs	373.8208	29.51	3851.807	5.7733	5.1862	1.23262	0.9663	1.494	1.240	YES 15.555
	2. 1,2,3,7,8,9-Hx...	373.8208	32.89	474.792	0.8136	0.8136	1.07822	1.1047	1.186	1.240	NO 6.181
	2. 2,3,4,6,7,8-Hx...	373.8208	32.16	1289.223	1.9248	1.6871	1.23749	0.9625	1.556	1.240	YES 10.036
	3. Total HxCDFs	373.8208	32.09	1393.898	2.0893	2.0893	1.23262	0.9663	1.212	1.240	NO 8.771
	3. Total HxCDFs	373.8208	31.89	1557.248	2.3341	2.3341	1.23262	0.9663	1.218	1.240	NO 9.206
	3. Total HxCDFs	373.8208	32.97	1204.635	1.8056	1.8056	1.23262	0.9663	1.075	1.240	NO 11.306

Total HxCDDs

	3. 1,2,3,7,8,9-Hx...	389.8157	32.68	436.713	0.7211	0.6154	1.11276	0.5706	1.625	1.240	YES 2.553
	3. 1,2,3,6,7,8-Hx...	389.8157	32.41	470.313	0.7781	0.7781	1.11052	0.5718	1.226	1.240	NO 5.081
	3. Total HxCDDs	389.8157	32.16	574.545	0.9741	0.6854	1.08365	0.5860	2.183	1.240	YES 3.856
	3. Total HxCDDs	389.8157	31.70	1082.131	1.8347	1.6261	1.08365	0.5860	0.963	1.240	YES 5.938
	3. Total HxCDDs	389.8157	31.41	1956.014	3.3163	2.1612	1.08365	0.5860	2.437	1.240	YES 5.726
	3. 1,2,3,4,7,8-Hx...	389.8157	32.30	418.655	0.7485	0.6858	1.02768	0.6179	1.445	1.240	YES 2.667

Total HpCDFs

	4. Total HpCDFs	407.7818	34.56	5596.914	9.3337	7.8813	1.30039	0.8271	0.756	1.040	YES 39.970
	4. Total HpCDFs	407.7818	34.43	3058.600	5.1007	4.1044	1.30039	0.8271	0.696	1.040	YES 19.676
	3. 1,2,3,4,6,7,8-H...	407.7818	34.25	17187.998	26.5924	23.9182	1.40167	0.7674	1.268	1.040	YES 98.854
	4. 1,2,3,4,7,8,9-H...	407.7818	35.38	3900.463	7.0540	7.0540	1.19912	0.8970	1.129	1.040	NO 21.162

Total HpCDDs

	4. 1,2,3,4,6,7,8-H...	423.7766	35.04	1789.557	4.0833	4.0833	0.98108	0.8995	1.024	1.040	NO 19.777
	4. Total HpCDDs	423.7766	34.48	2297.642	5.2427	5.2427	0.98108	0.8995	1.135	1.040	NO 15.667

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:38 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_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382, Task:

#	Name	Trace	Sample Size	RT	Ptn 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	18.70	1.00000	3463305.00	4000.0000	4000.0000	100.0	2.14618	0.77	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993	4133256.63	3589.4781	3589.4781	89.7	1.61821	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.16	0.97151	11614.15	11.5693	11.5693 J		0.45719	0.73	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.97151		77.5887	76.4757		0.45719			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993	2777471.75	3604.6679	3604.6679	90.1	2.41164	0.76	NO	
8	2,3,7,8-TCDD	319.8965	0.500		18.93	1.00877			ND		0.71785		NO	
9	Total TCDDs	319.8965	0.500		19.55	1.00877		1.8922	1.6486		0.71785			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940	765103.25	1696.7388	0.0000	106.0	1.70293			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.52	23.54	0.97070	3124283.13	3717.3525	3717.3525	92.9	3.16366	1.55	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.55	23.55	1.06912	3780.95	4.5278	2.6902		1.05116	3.29	YES	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.98	24.96	1.02843	1422.26	1.7706	1.4574		1.09275	1.00	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877		34.1440	27.4293		1.07155			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877		4.4419	4.4419		0.70625			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.75	0.71523	2342943.19	3783.4454	3783.4454	94.6	2.76588	1.56	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		25.73	0.88408					1.33812		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408		3.2622	2.2234		1.33812			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.69	32.74	1.00000	2283494.00	4000.0000	4000.0000	100.0	5.69319	1.19	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.36	31.38	1.08439	2165060.06	3497.3839	3497.3839	87.4	3.83975	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.37	31.38	1.21851	7174.88	10.8787	10.8787 J		0.97749	1.37	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.51	1.39626	5354.12	7.0845	7.0845 J		0.85305	1.24	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.15	1.23749	1031.06	1.5393	1.4202		0.96250	1.04	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.97	32.86	1.07822	1419.35	2.4320	2.4320		1.10468	1.40	NO	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262		45.6513	43.9843		0.96630			
31														

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:38 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.40	32.40	0.89448	2177152.75	4263.6020	4263.6020	106.6	6.36478	1.23	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.41	32.33	1.02768	415.77	0.7433	0.6603		0.61789	0.97	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.16	32.41	1.11052	574.54	0.9505	0.6689		0.57179	2.18	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.86	32.70	1.11276	217.73	0.3595	0.0802		0.57064	9.04	YES	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365		6.1097	3.2120		0.58597			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.22	0.88081	1844513.63	3668.2591	3668.2591	91.7	7.78604	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.25	1.40167	17188.00	26.5924	23.9182		0.76736	1.27	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.38	35.35	1.19912	3470.33	6.2761	6.2761		0.89698	0.96	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.30039		46.5452	41.3797		0.82713			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.02	0.85740	1786836.56	3650.5629	3650.5629	91.3	7.60709	1.03	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.08	35.06	0.98108	1364.25	3.1129	2.1494		0.89949	0.54	YES	
45	Total HpCDDs	423.7766	0.500		-0.02	0.98108		8.3555	7.3921		0.89949			
46														
47	13C-OCDD	469.7779	0.500	37.52	37.45	0.64317	2738362.00	7458.0928	7458.0928	93.2	14.63154	0.89	NO	
48	OCDF	441.7428	0.500	37.62	37.62	1.47706	25293.14	50.0269	50.0269		1.60496	0.98	NO	
49	OCDD	457.7377	0.500	37.56	37.53	1.19620	4217.73	10.3008	8.6770		1.27451	1.24	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 PCDPE	375.8364	1.000		20.25	17.814...					0.00000			
58	F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109...					0.00000			
59	F2 PeCDF PCDPE	409.7974	1.000		28.29	51.062...					0.00000			
60	HXCDF PCDPE	445.7555	1.000		33.24	21.190...					0.00000			
61	HPCDF PCDPE	479.7165	1.000	34.25	34.27	39.173...	71.53	1.8261		182.6	5.27087			
62	OCDF PCDPE	513.67750	1.000	39.12	39.16	27.302...	52.05	1.9064		190.6	0.76926			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:38 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_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382, Task:

Total TCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5	Total TCDFs	303.9016	16.48	1147.284	1.1429	0.9258	0.97151	0.4572	1.185	0.770	YES	11.748
2	5	Total TCDFs	303.9016	16.39	14560.965	14.5048	14.5048	0.97151	0.4572	0.713	0.770	NO	115.517
3	5	Total TCDFs	303.9016	16.10	1333.402	1.3283	1.3283	0.97151	0.4572	0.776	0.770	NO	11.494
4	5	Total TCDFs	303.9016	15.59	3858.667	3.8438	3.8438	0.97151	0.4572	0.881	0.770	NO	31.018
5	5	Total TCDFs	303.9016	18.85	1236.621	1.2319	1.1383	0.97151	0.4572	0.915	0.770	YES	6.889
6	5	Total TCDFs	303.9016	18.63	1469.524	1.4639	1.2924	0.97151	0.4572	0.624	0.770	YES	10.334
7	4	2,3,7,8-TCDF	303.9016	18.17	11614.146	11.5693	11.5693	0.97151	0.4572	0.729	0.770	NO	70.983
8	5	Total TCDFs	303.9016	17.99	1584.611	1.5785	1.2502	0.97151	0.4572	0.526	0.770	YES	12.298
9	5	Total TCDFs	303.9016	17.76	7435.120	7.4064	7.4064	0.97151	0.4572	0.734	0.770	NO	52.536
10	5	Total TCDFs	303.9016	17.58	5979.869	5.9568	5.9568	0.97151	0.4572	0.717	0.770	NO	39.690
11	5	Total TCDFs	303.9016	17.48	6589.159	6.5637	6.5637	0.97151	0.4572	0.768	0.770	NO	37.579
12	5	Total TCDFs	303.9016	17.19	7371.472	7.3430	7.3430	0.97151	0.4572	0.794	0.770	NO	52.221
13	5	Total TCDFs	303.9016	16.96	4654.600	4.6366	4.6366	0.97151	0.4572	0.822	0.770	NO	35.190
14	5	Total TCDFs	303.9016	16.90	2223.546	2.2150	1.9122	0.97151	0.4572	1.050	0.770	YES	20.574
15	5	Total TCDFs	303.9016	16.65	6830.238	6.8039	6.8039	0.97151	0.4572	0.734	0.770	NO	36.736

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	9	Total TCDDs	319.8965	16.86	1325.430	1.8922	1.6486	1.00877	0.7179	1.032	0.770	YES	7.735

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	1,2,3,7,8-PeCDF	339.8597	23.55	3780.954	4.5278	2.6902	1.06912	1.0512	3.292	1.550	YES	11.749
2	...	Total F2 PeCD...	339.8597	23.03	3859.658	4.7117	3.3370	1.04877	1.0716	2.600	1.550	YES	12.271
3	...	Total F2 PeCD...	339.8597	22.35	1369.007	1.6712	0.8101	1.04877	1.0716	4.261	1.550	YES	5.058
4	...	Total F2 PeCD...	339.8597	22.09	13085.915	15.9747	14.2014	1.04877	1.0716	1.868	1.550	YES	41.148
5	...	Total F2 PeCD...	339.8597	21.84	2472.954	3.0189	3.0189	1.04877	1.0716	1.731	1.550	NO	9.878
6	...	2,3,4,7,8-PeCDF	339.8597	24.98	1422.261	1.7706	1.4574	1.02843	1.0927	1.001	1.550	YES	8.301
7	...	Total F2 PeCD...	339.8597	24.09	2022.637	2.4691	1.9143	1.04877	1.0716	2.289	1.550	YES	7.853

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	3638.667	4.4419	4.4419	1.04877	0.7063	1.725	1.550	NO	13.775

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	Total PeCDDs	355.8546	24.15	483.869	0.9344	0.8230	0.88408	1.3381	1.895	1.550	YES	5.025
2	...	Total PeCDDs	355.8546	23.56	677.153	1.3077	1.1379	0.88408	1.3381	1.123	1.550	YES	4.966
3	...	Total PeCDDs	355.8546	22.30	528.291	1.0202	0.2625	0.88408	1.3381	8.910	1.550	YES	2.547

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:57:38 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382, Task:

Total HxCDFs

#	Name	Trace	RT	Abs.Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio?	S/N
1	Total HxCDFs	373.8208	31.85	482.267	0.7228	0.6600	1.23262	0.9663	1.453	1.240	YES	4.979
2	Total HxCDFs	373.8208	31.63	1374.671	2.0604	2.0604	1.23262	0.9663	1.238	1.240	NO	11.536
3	1,2,3,6,7,8-Hx...	373.8208	31.51	5354.124	7.0845	7.0845	1.39626	0.8531	1.237	1.240	NO	34.774
4	1,2,3,4,7,8-Hx...	373.8208	31.37	7174.884	10.8787	10.8787	1.21851	0.9775	1.366	1.240	NO	43.876
5	Total HxCDFs	373.8208	30.49	1103.812	1.6545	1.2775	1.23262	0.9663	1.901	1.240	YES	5.821
6	Total HxCDFs	373.8208	30.27	306.626	~~0.4596~~	~~0.4030~~	1.23262	0.9663	1.555	1.240	YES	3.700
7	Total HxCDFs	373.8208	29.92	7903.357	11.8460	11.8460	1.23262	0.9663	1.151	1.240	NO	37.959
8	Total HxCDFs	373.8208	29.56	2542.681	3.8111	2.9651	1.23262	0.9663	0.757	1.240	YES	15.718
9	1,2,3,7,8,9-Hx...	373.8208	32.97	1419.345	2.4320	2.4320	1.07822	1.1047	1.404	1.240	NO	11.383
10	2,3,4,6,7,8-Hx...	373.8208	32.16	1031.062	1.5393	1.4202	1.23749	0.9625	1.044	1.240	YES	10.036
11	Total HxCDFs	373.8208	32.09	1139.801	1.7084	1.7084	1.23262	0.9663	1.358	1.240	NO	8.736
12	Total HxCDFs	373.8208	31.89	969.966	1.4538	1.2485	1.23262	0.9663	0.906	1.240	YES	9.235

#	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	1,2,3,7,8,9-Hx...	389.8157	32.86	217.731	0.3595	0.0802	1.11276	0.5706	9.044	1.240	YES	1.053
2	1,2,3,4,7,8-Hx...	389.8157	32.41	415.775	0.7433	0.6603	1.02768	0.6179	0.968	1.240	YES	5.081
3	1,2,3,6,7,8-Hx...	389.8157	32.16	574.545	0.9505	0.6689	1.11052	0.5718	2.183	1.240	YES	3.856
4	Total HxCDDs	389.8157	31.70	666.754	1.1304	0.5158	1.08365	0.5860	3.909	1.240	YES	4.132
5	Total HxCDDs	389.8157	31.41	1725.782	2.9259	1.2868	1.08365	0.5860	4.093	1.240	YES	4.967

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

Total HpCDFs

#	Name	Trace	RT	Abs.Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio?	S/N
1	Total HpCDFs	407.7818	34.56	5305.150	8.8471	7.0810	1.30039	0.8271	0.689	1.040	YES	39.248
2	Total HpCDFs	407.7818	34.43	2896.036	4.8296	4.1044	1.30039	0.8271	0.764	1.040	YES	19.286
3	1,2,3,4,6,7,8-H...	407.7818	34.25	17187.998	26.5924	23.9182	1.40167	0.7674	1.268	1.040	YES	98.854
4	1,2,3,4,7,8,9-H...	407.7818	35.38	3470.330	6.2761	6.2761	1.19912	0.8970	0.957	1.040	NO	20.781

Total HpCDDs

#	Name	Trace	RT	Abs.Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio?	S/N
1	1,2,3,4,6,7,8-H...	423.7766	35.08	1364.254	3.1129	2.1494	0.98108	0.8995	0.543	1.040	YES	19.777
2	Total HpCDDs	423.7766	34.48	2297.642	5.2427	5.2427	0.98108	0.8995	1.135	1.040	NO	15.667

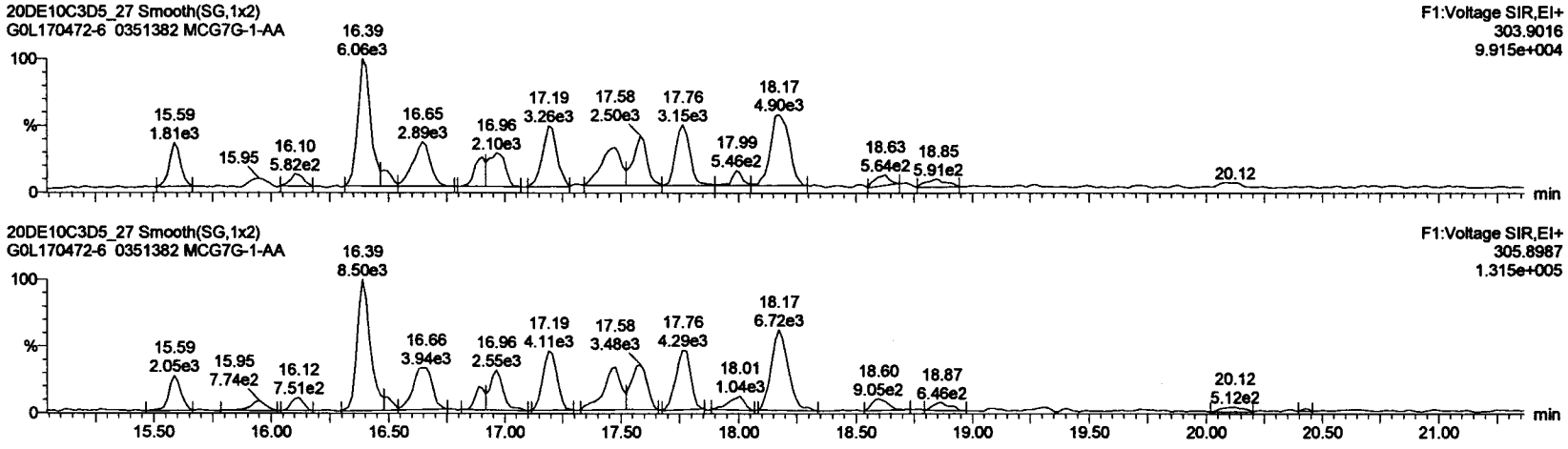
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

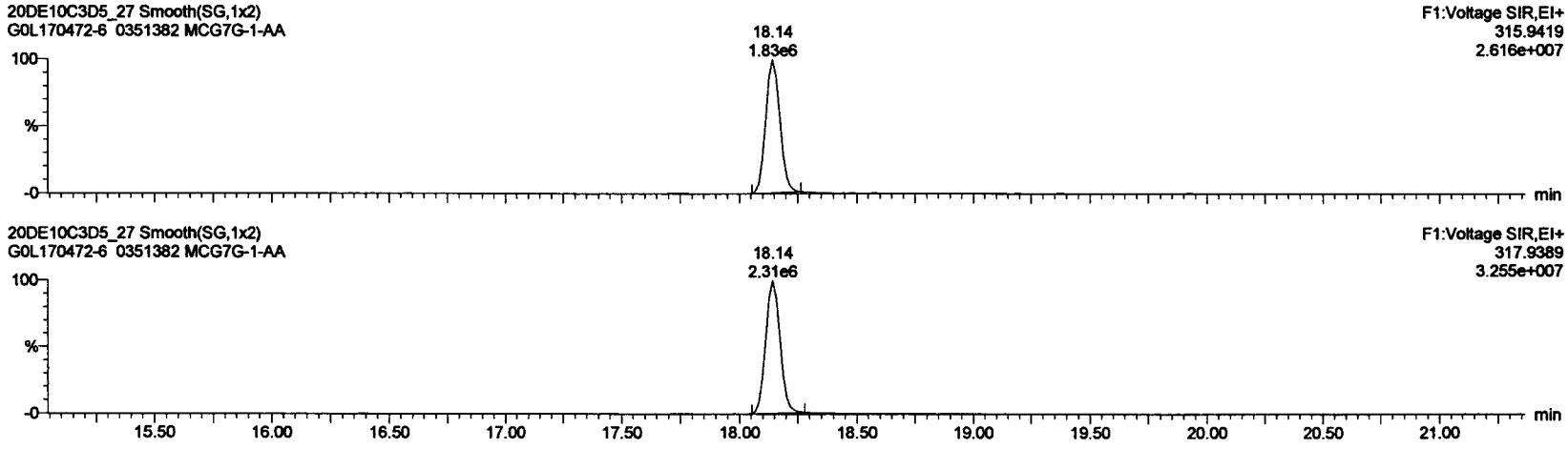
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

TCDFs



13C-TCDF



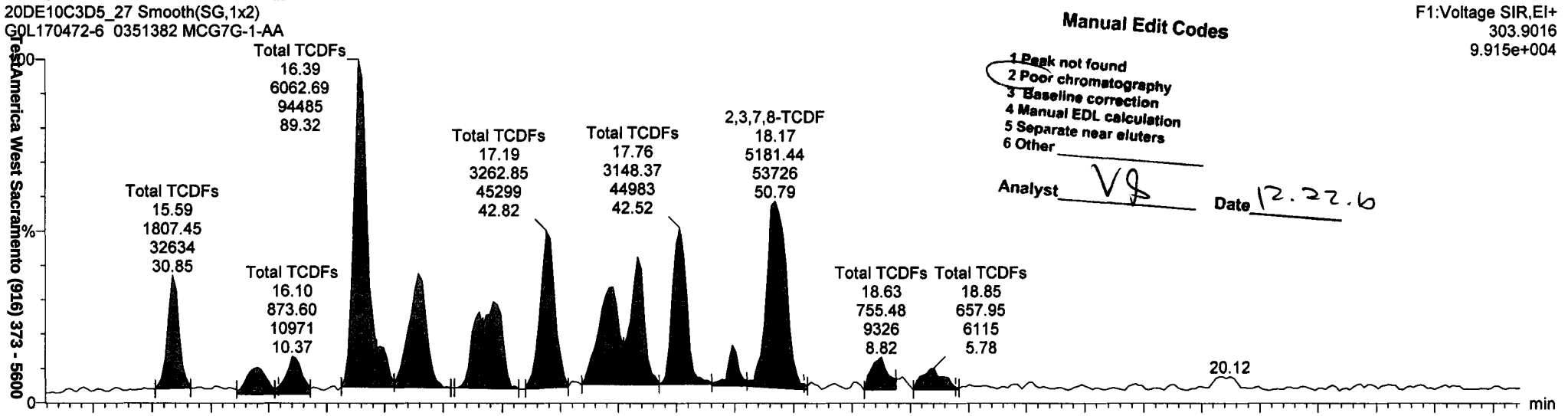
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

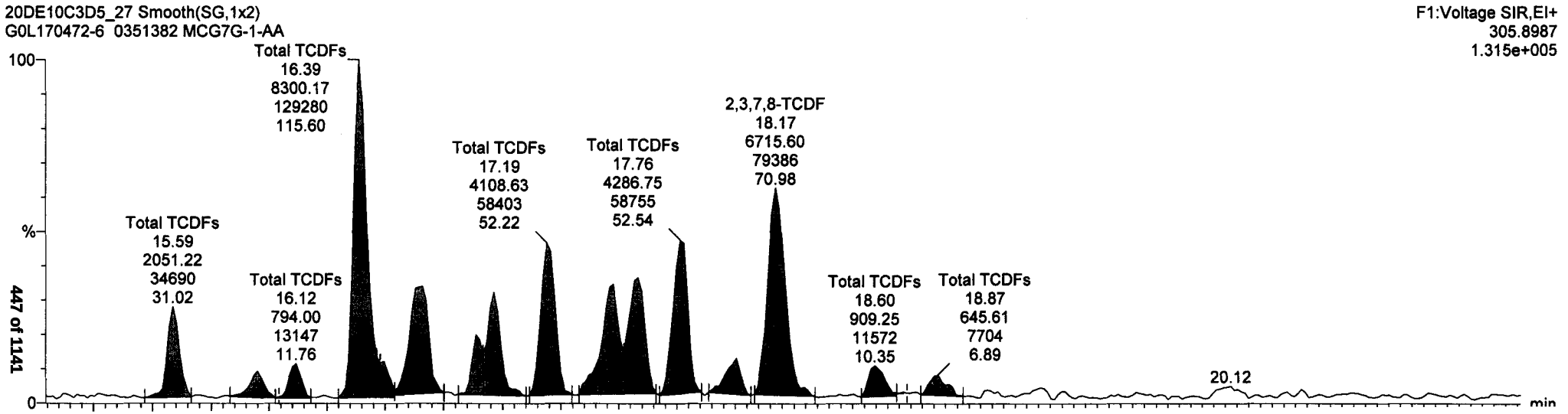
Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

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 TCDFs, Chrom. Trace: 303.9016

Sample Name: 20DE10C3D5_27





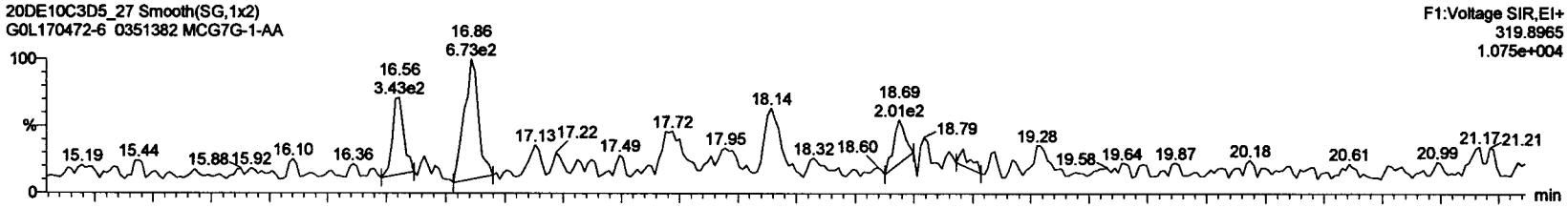
Quantify Sample Report **MassLynx 4.1**

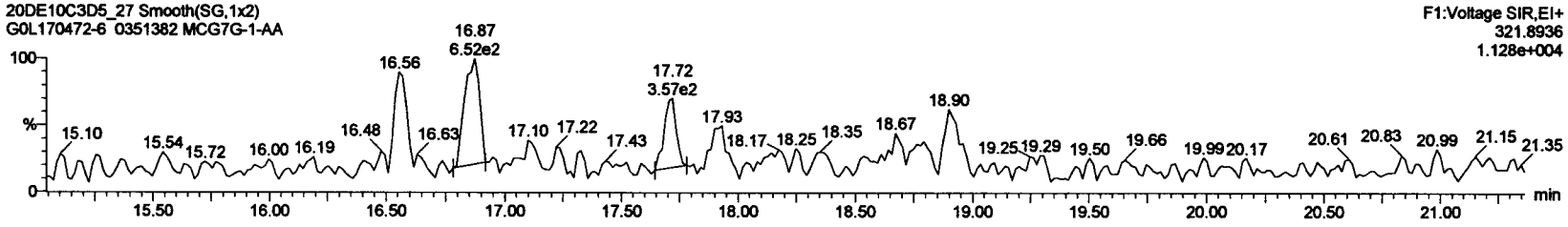
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

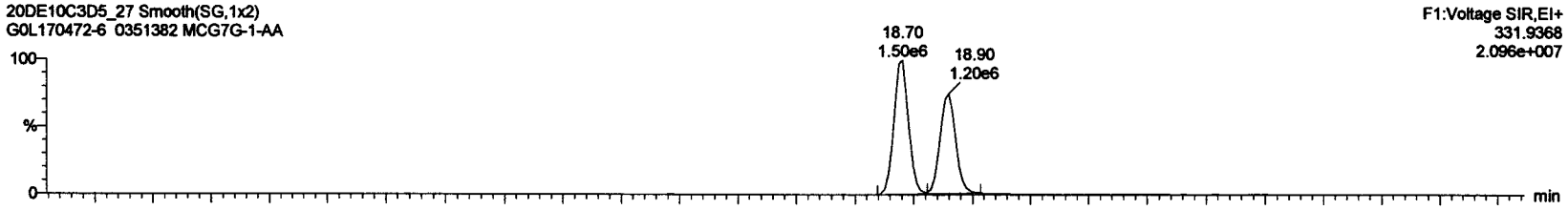
Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

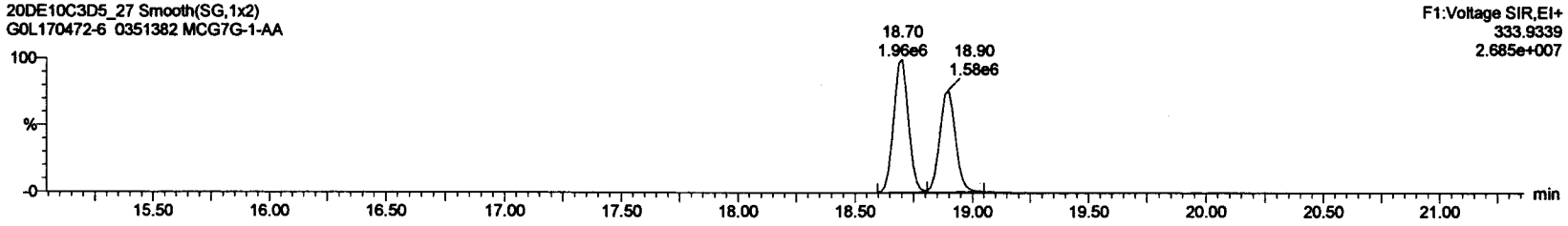
TCDDs





13C-TCDDs



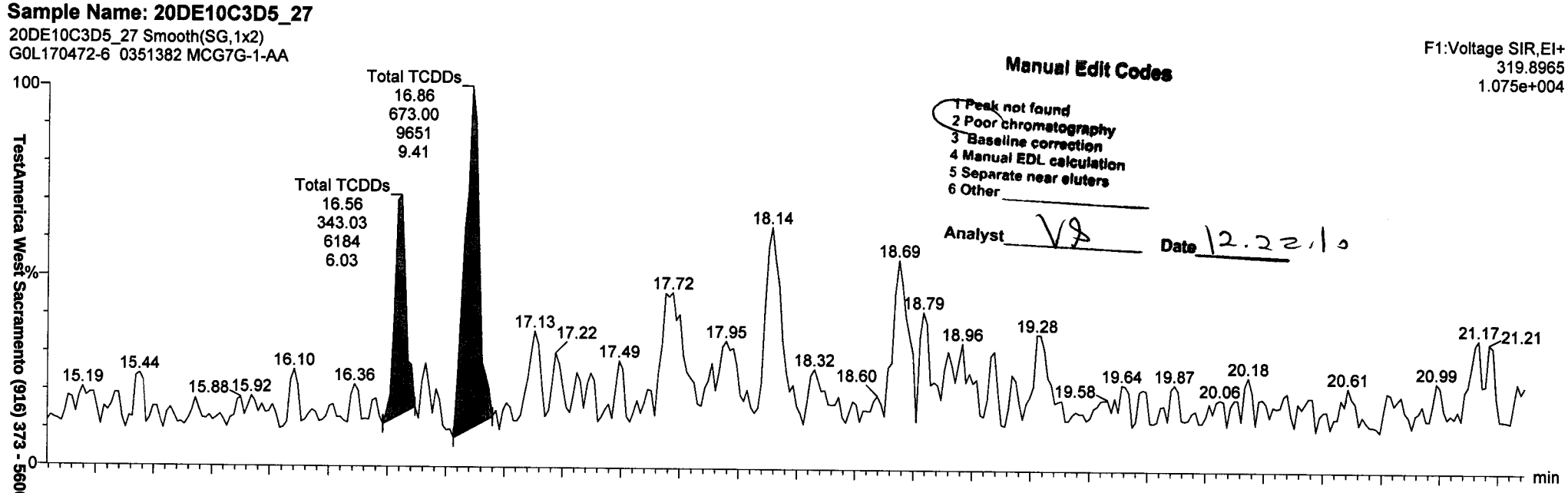


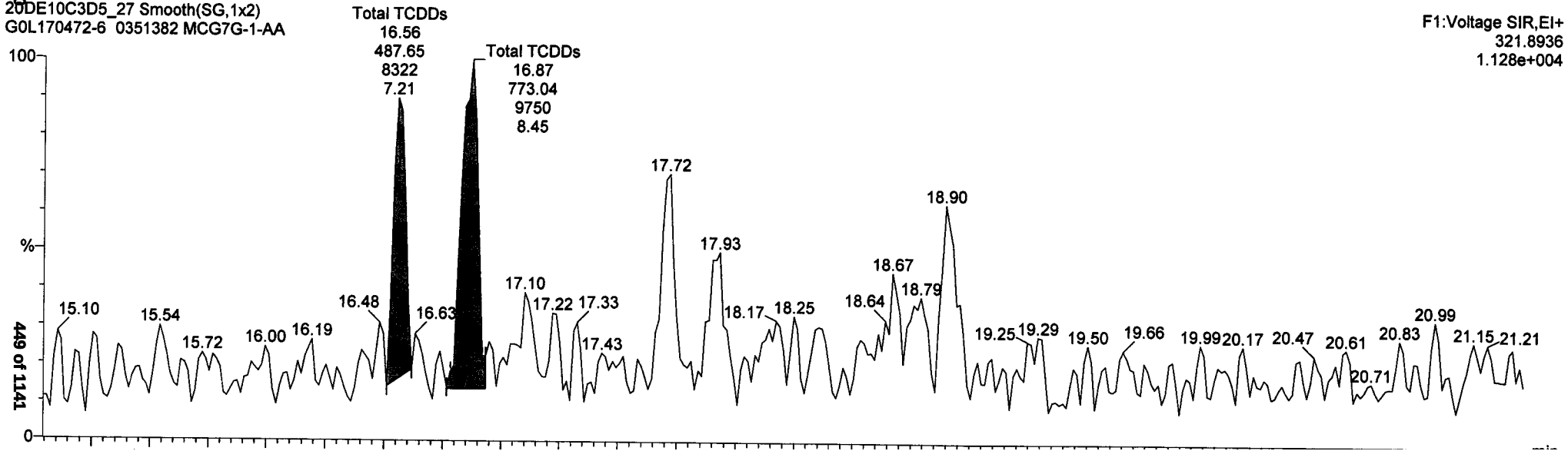
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: Total TCDDs, Chrom. Trace: 319.8965

Sample Name: 20DE10C3D5_27





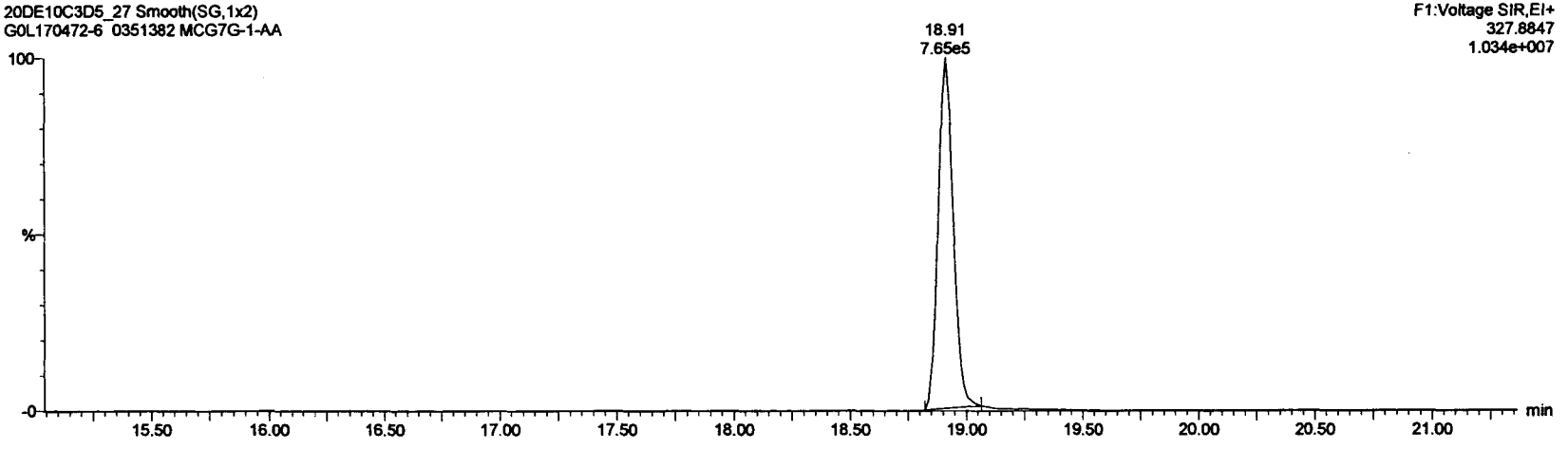
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

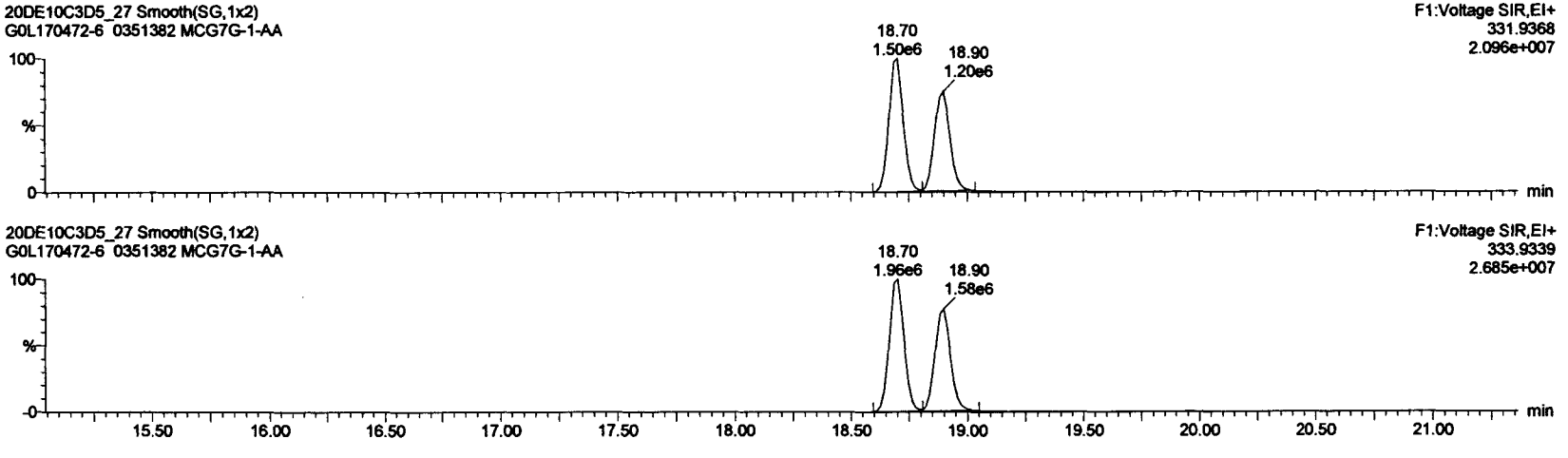
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

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



13C-TCDDs



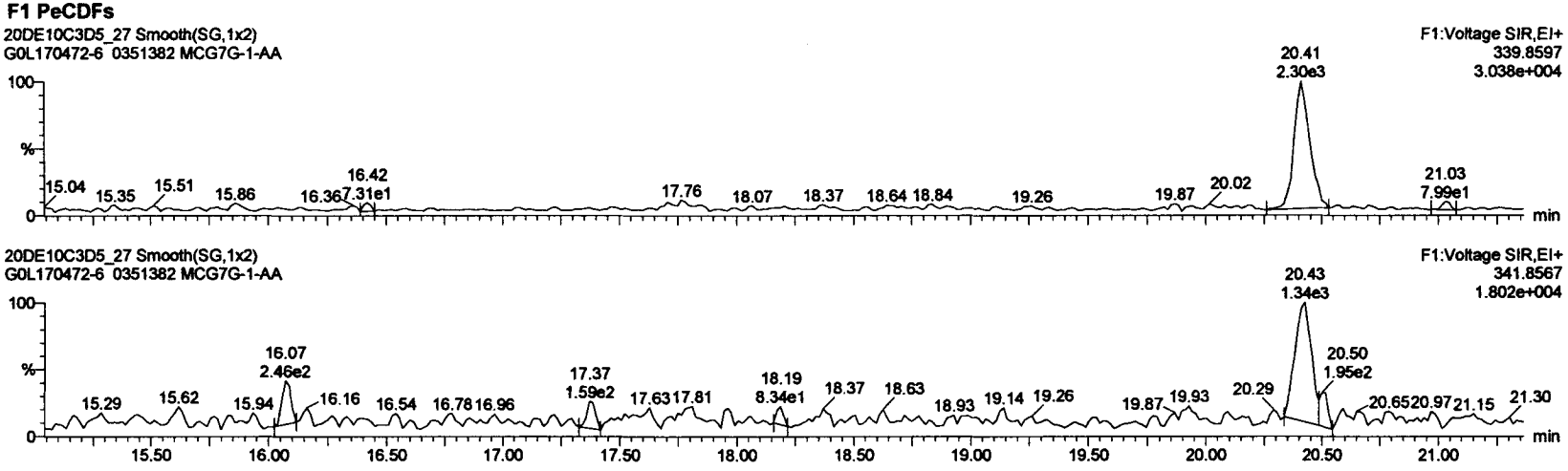
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

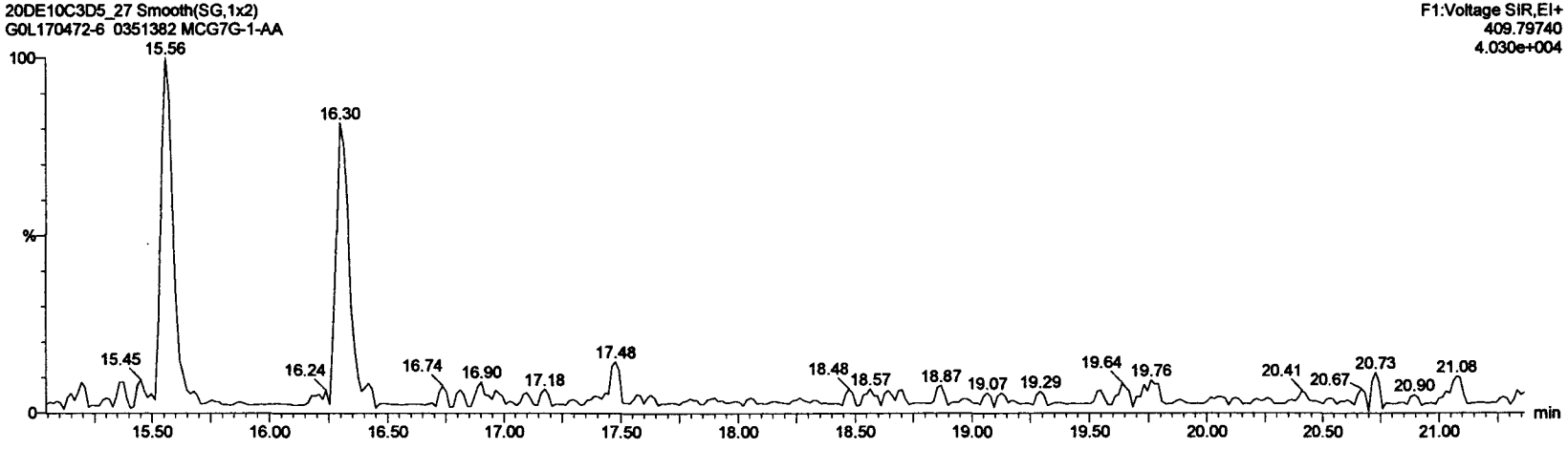
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

F1 PeCDFs



F1 PeCDF PCDPE



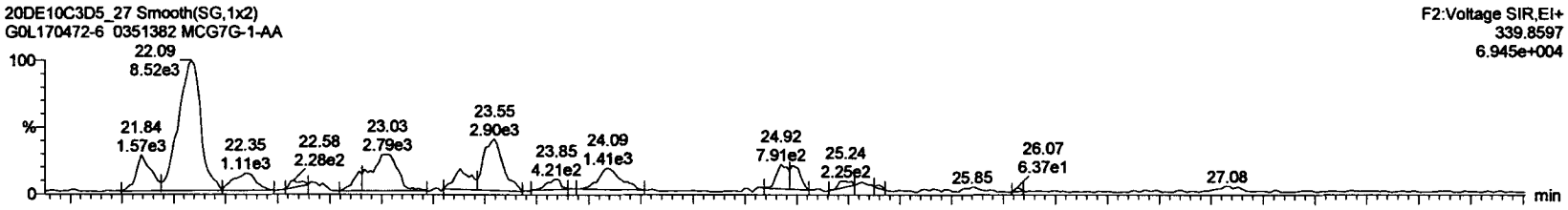
Quantify Sample Report **MassLynx 4.1**

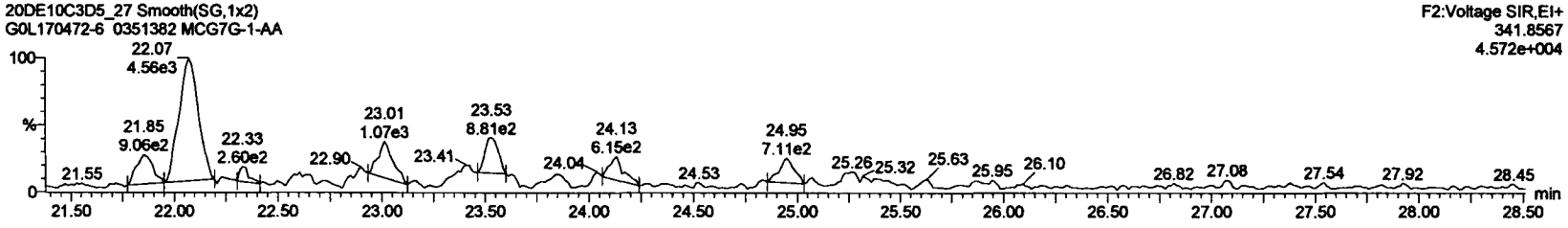
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

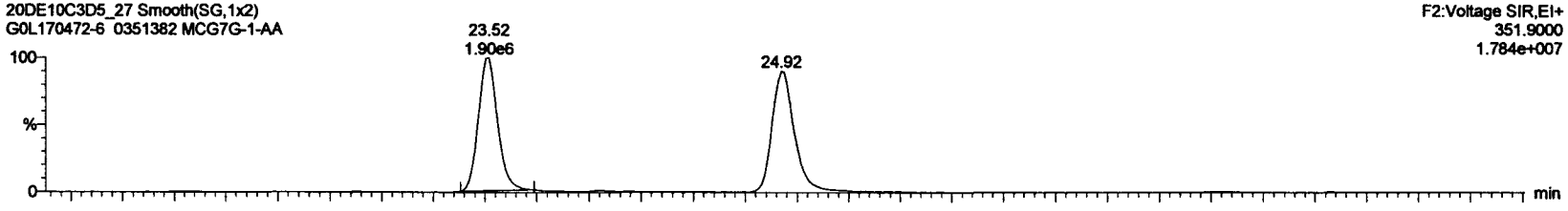
Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

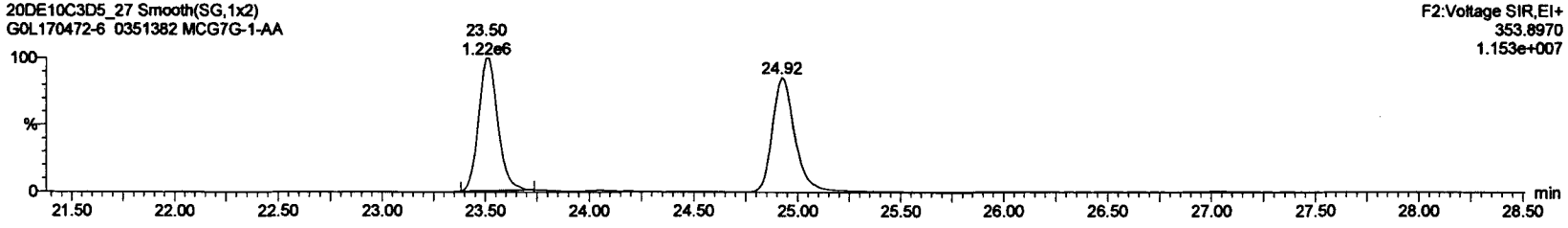
PeCDFs





13C-PeCDFs



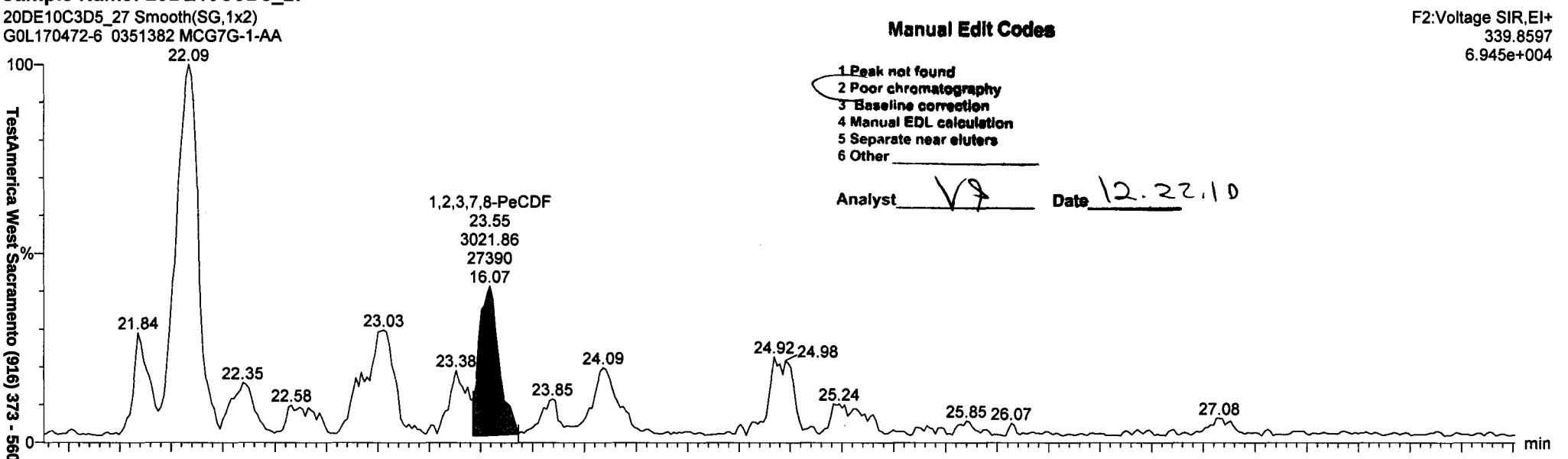


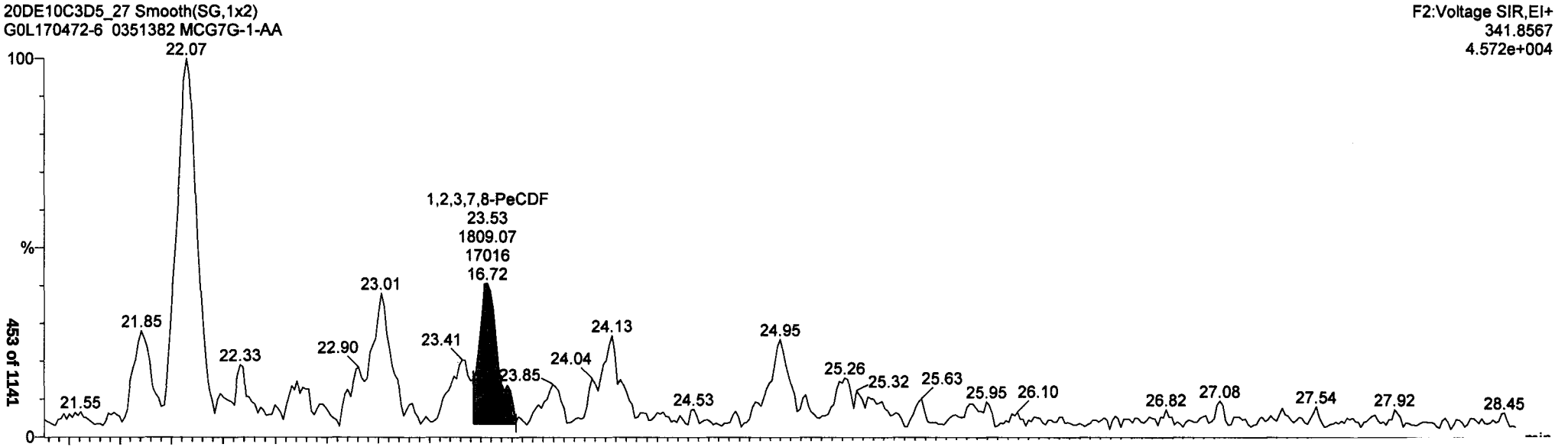
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_27



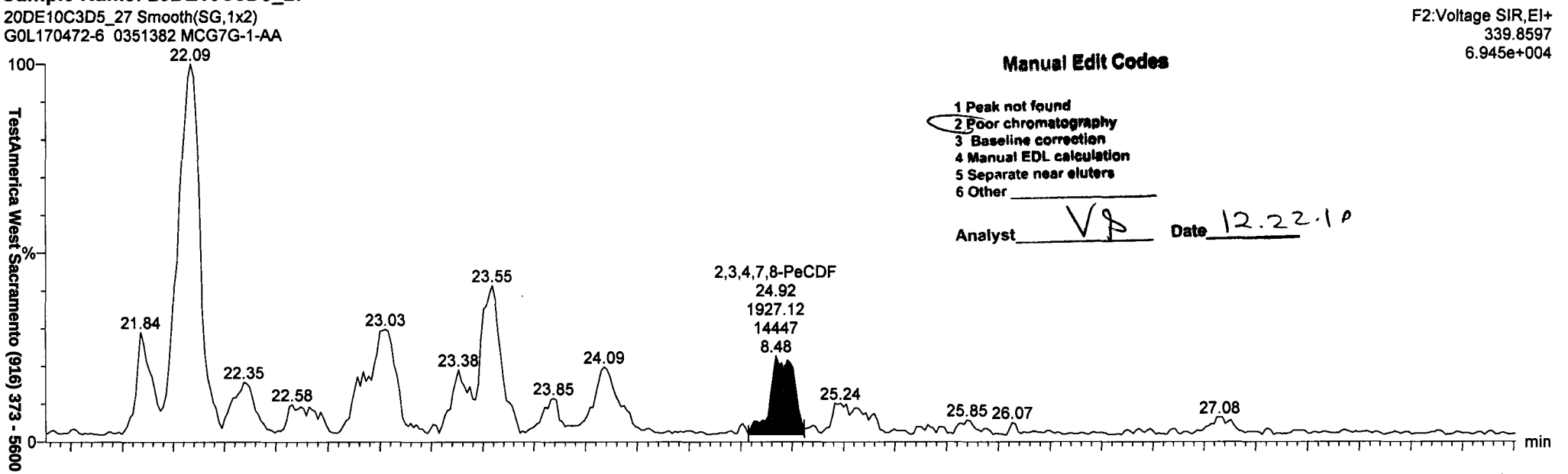


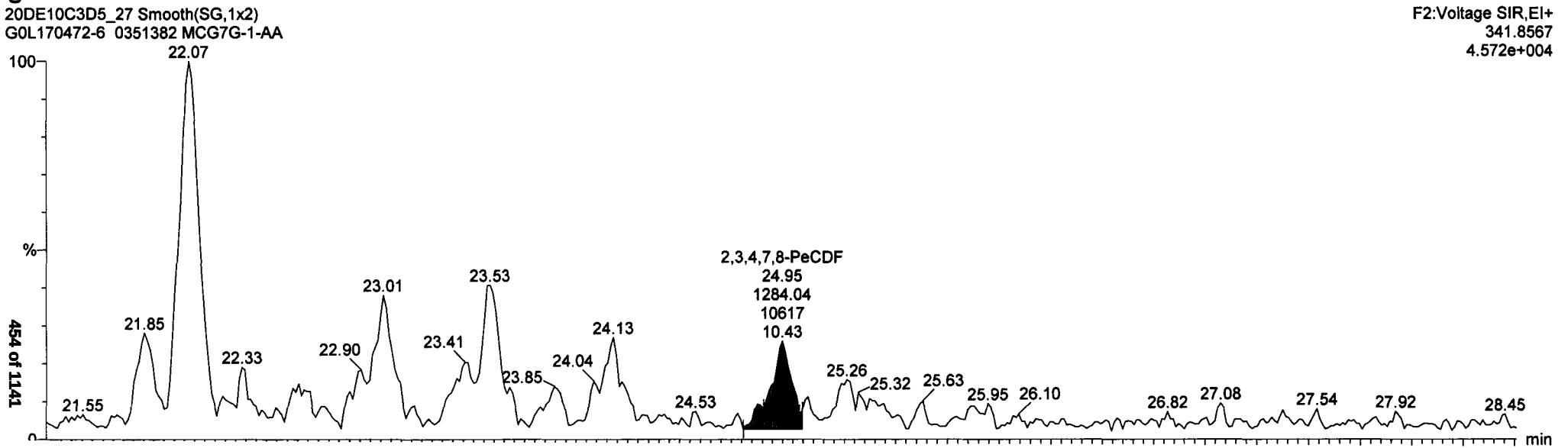
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 2,3,4,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_27



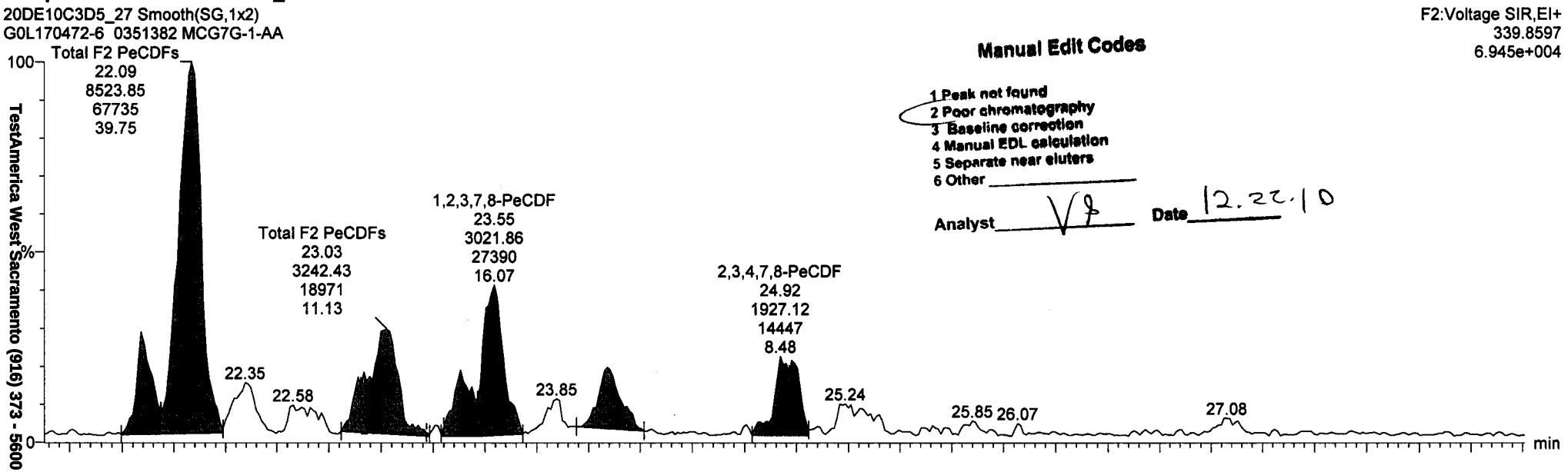


Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

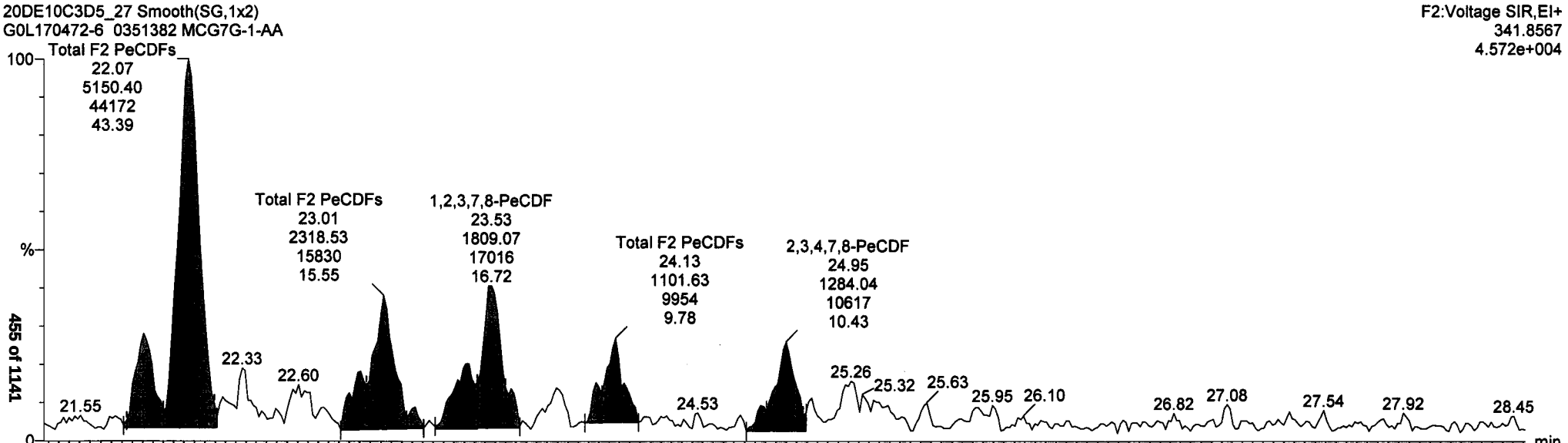
Sample Name: 20DE10C3D5_27



Manual Edit Codes

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

Analyst VS Date 12.22.10



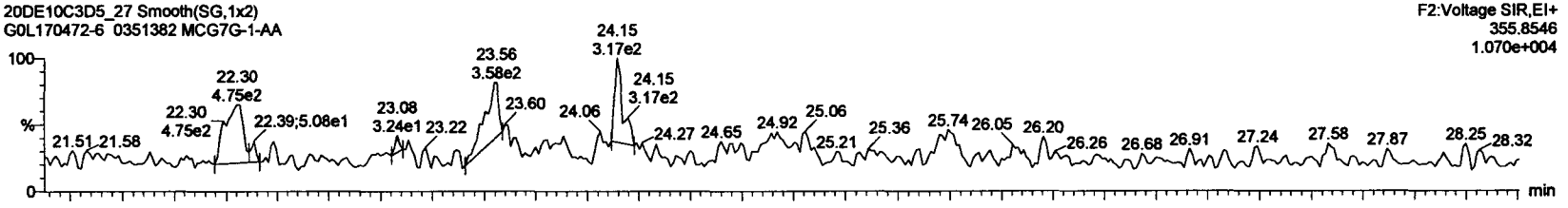
Quantify Sample Report **MassLynx 4.1**

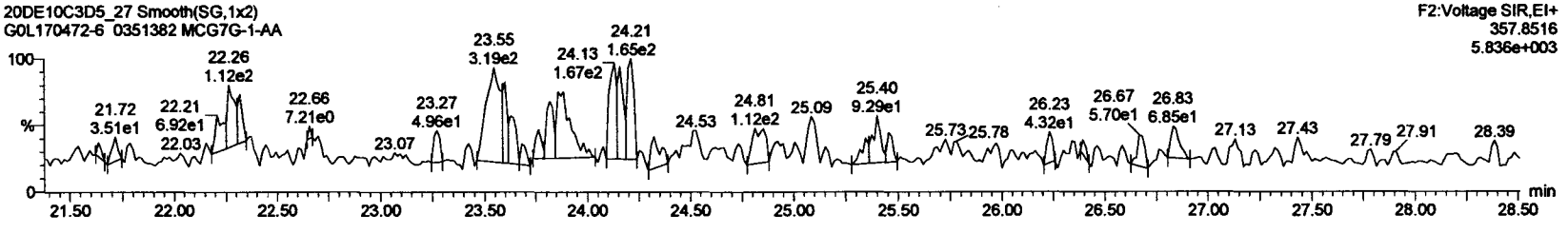
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

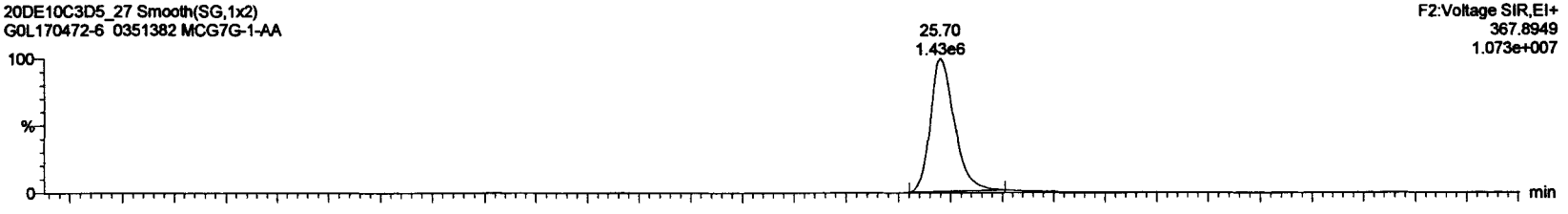
Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

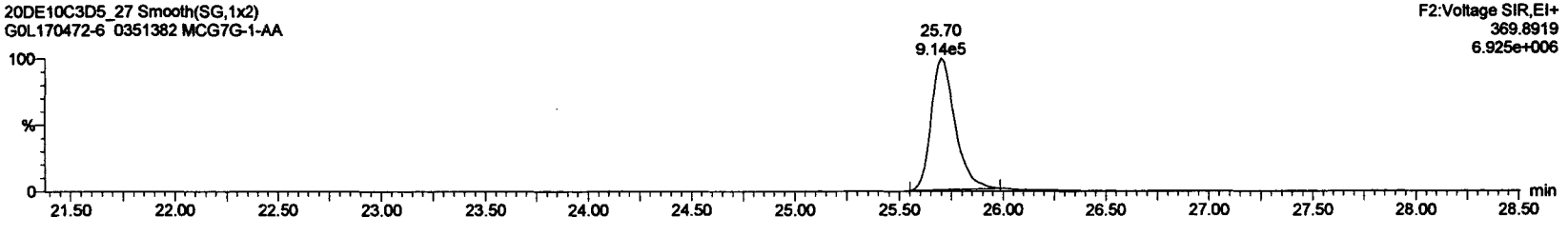
PeCDDs





13C-PeCDD





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

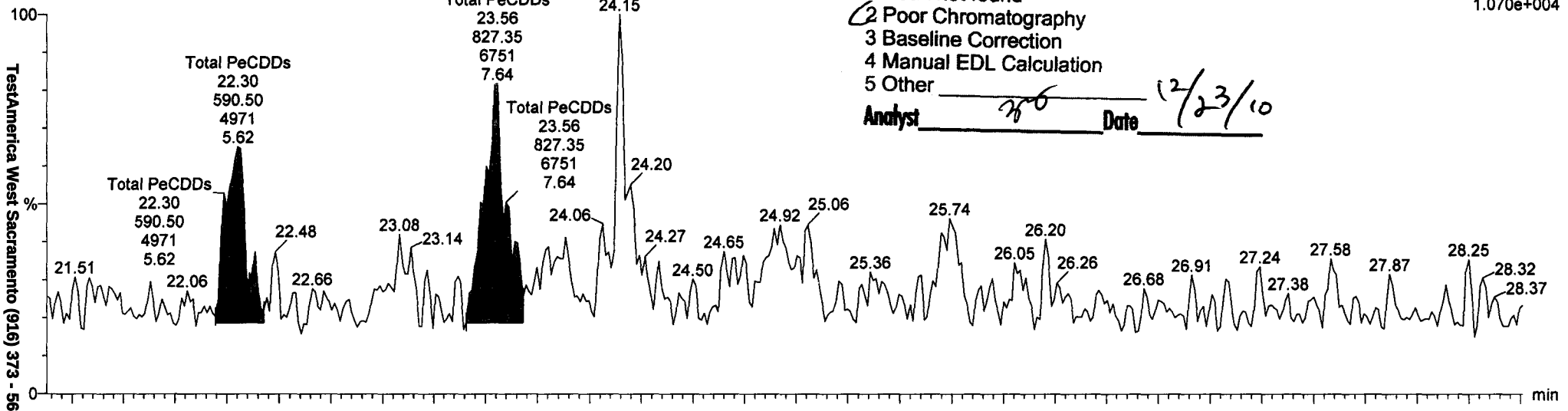
Compound Name: Total PeCDDs, Chrom. Trace: 355.8546

Sample Name: 20DE10C3D5_27

20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

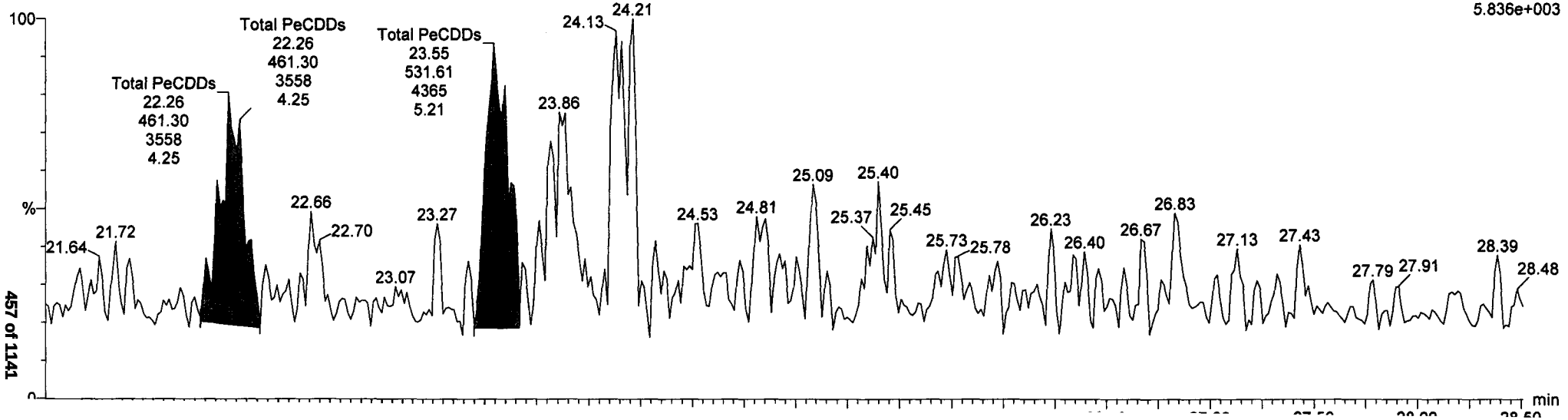
F2:Voltage SIR,EI+
355.8546
1.070e+004

MANUAL EDIT CODES
1 Peak not found
2 Poor Chromatography
3 Baseline Correction
4 Manual EDL Calculation
5 Other _____
Analyst _____ Date 12/23/10



20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F2:Voltage SIR,EI+
357.8516
5.836e+003



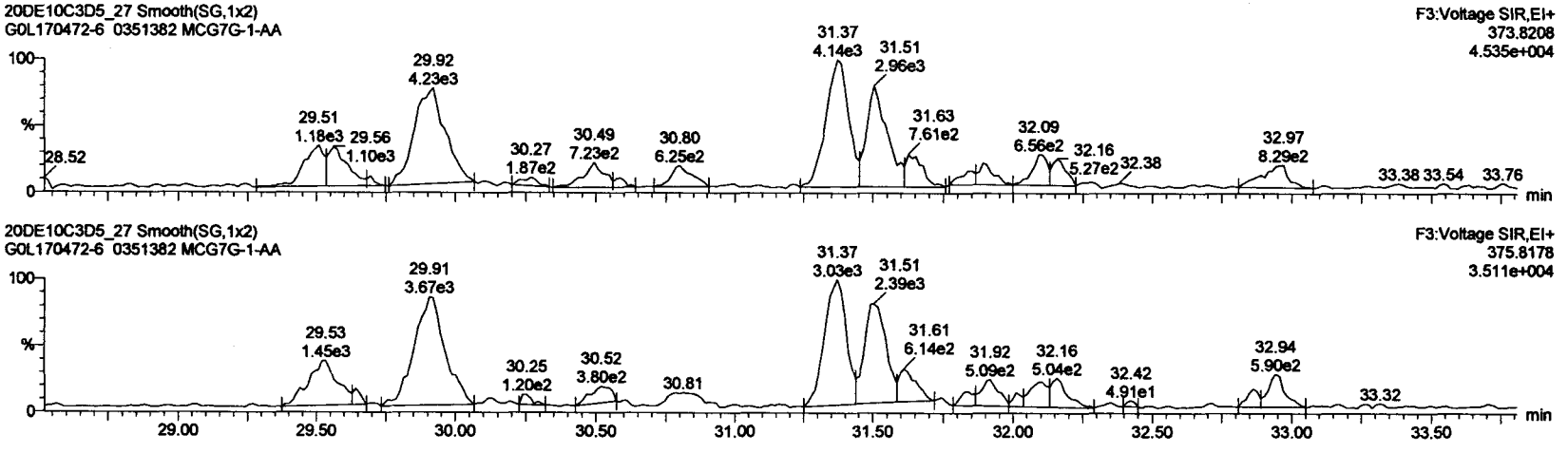
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

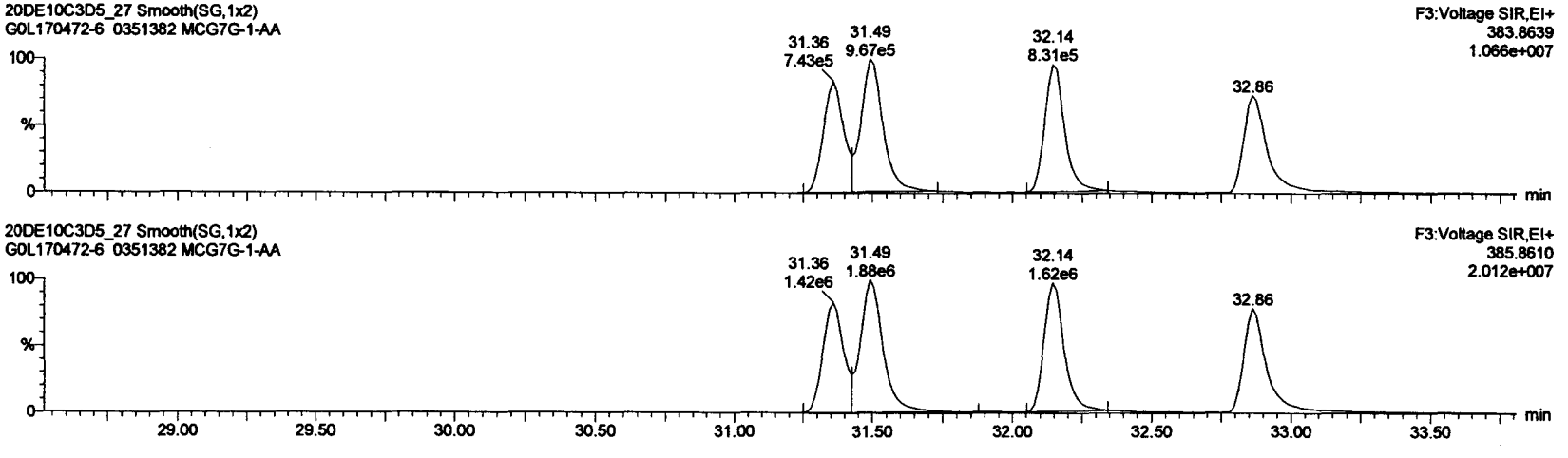
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

HxCDFs



13C-HxCDFs

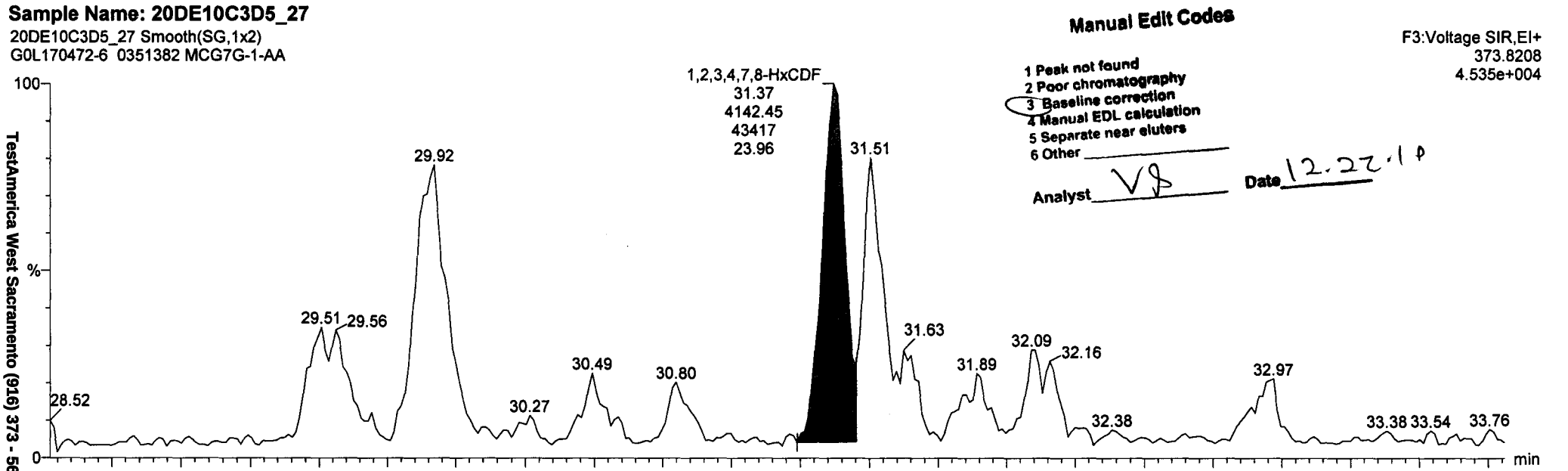


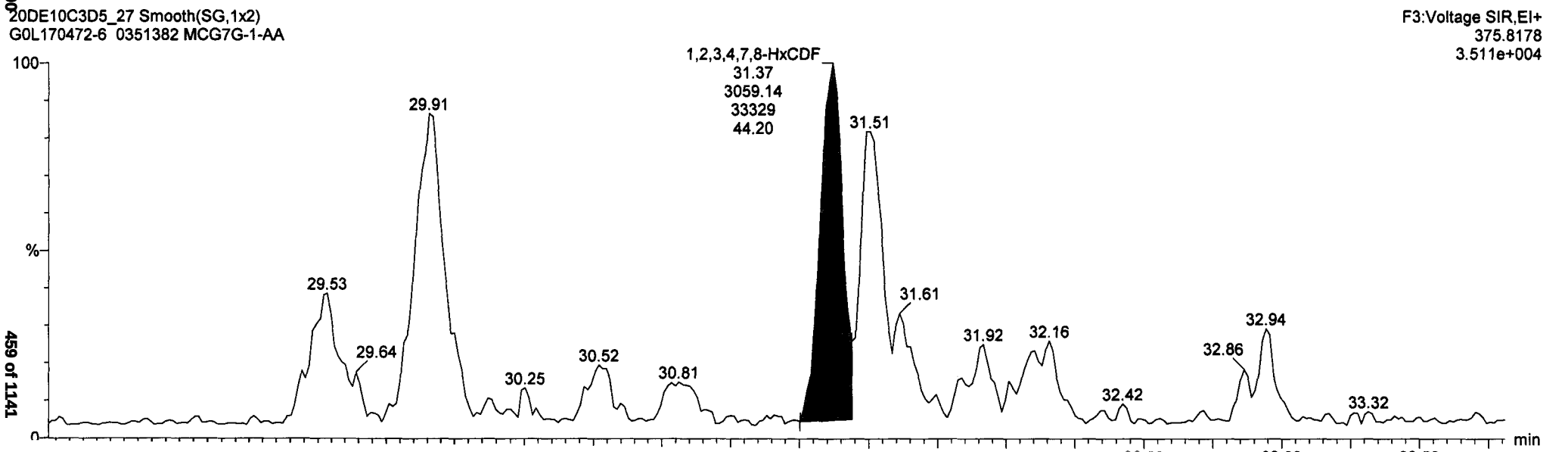
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_27



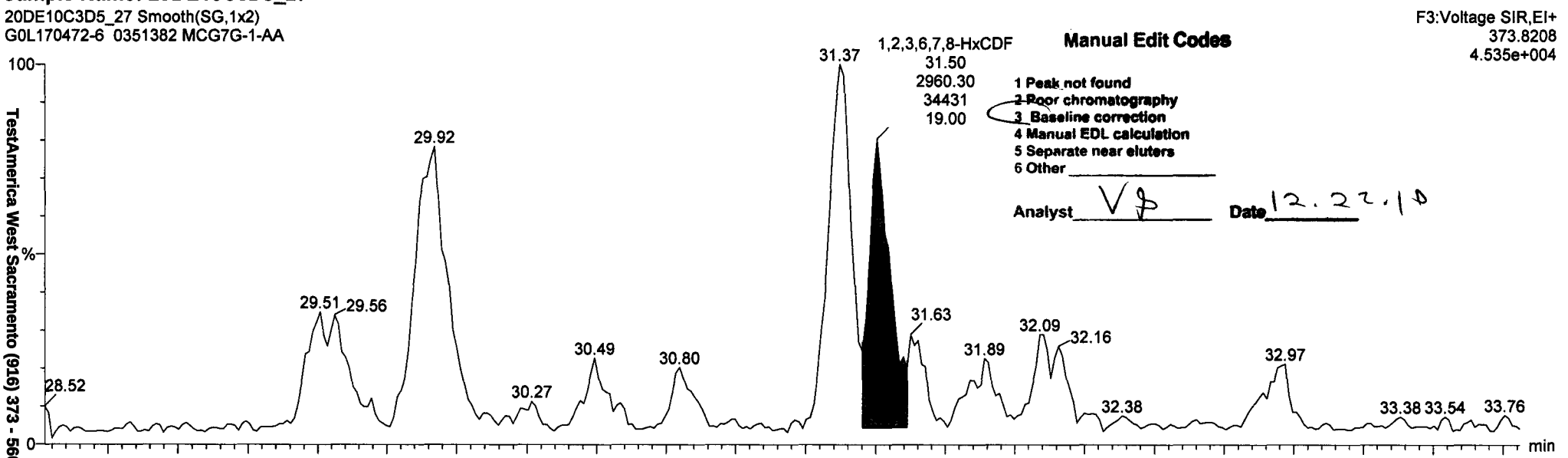


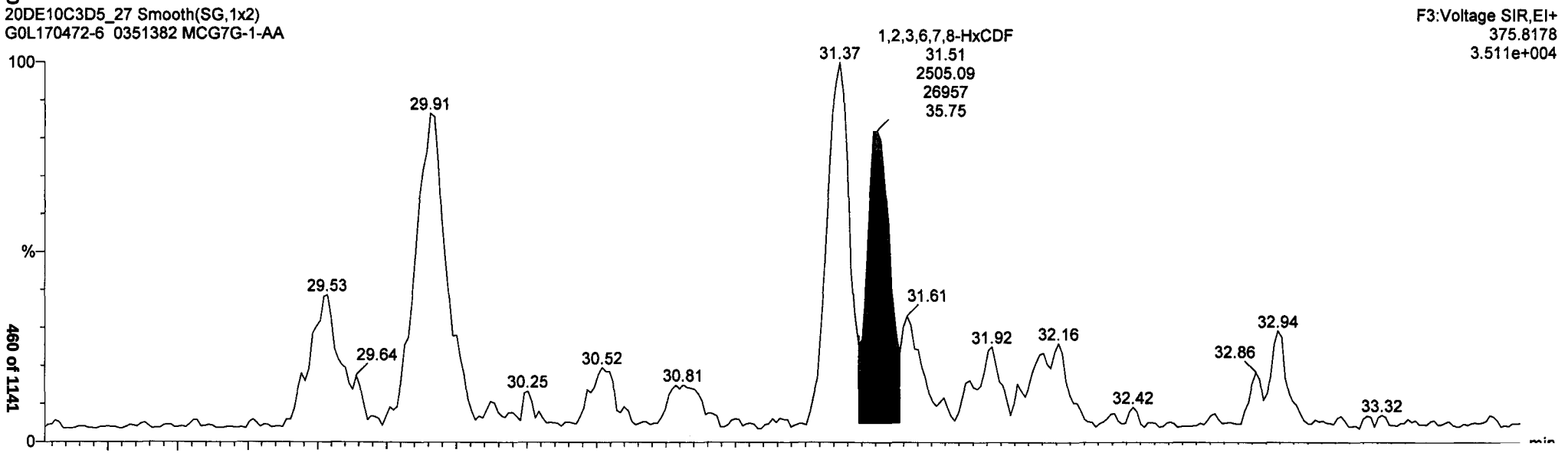
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_27



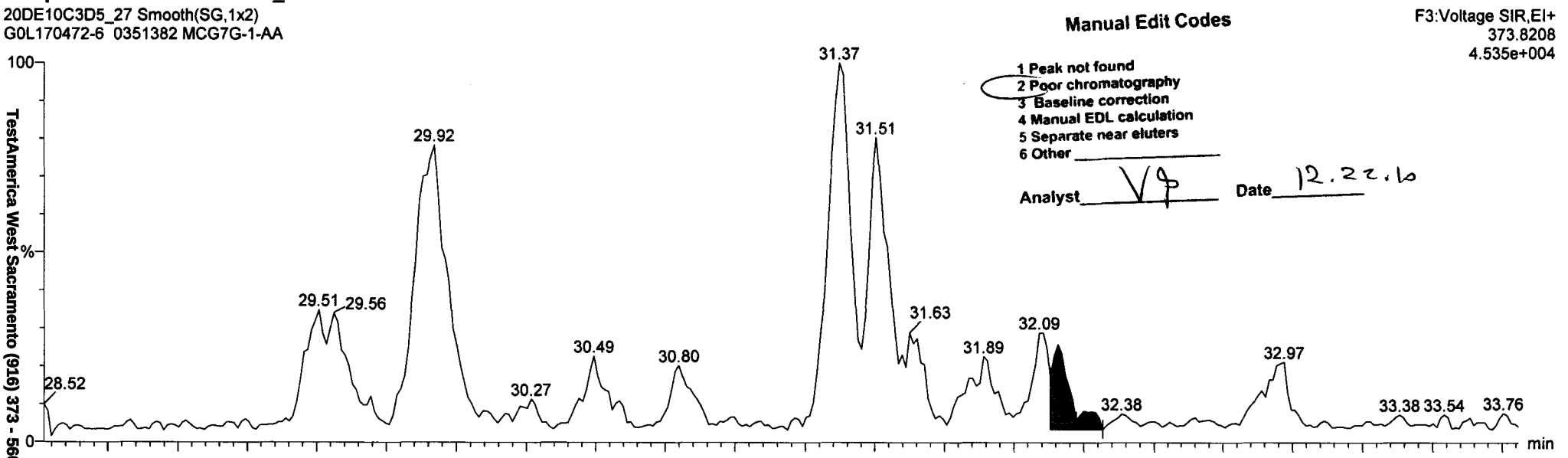


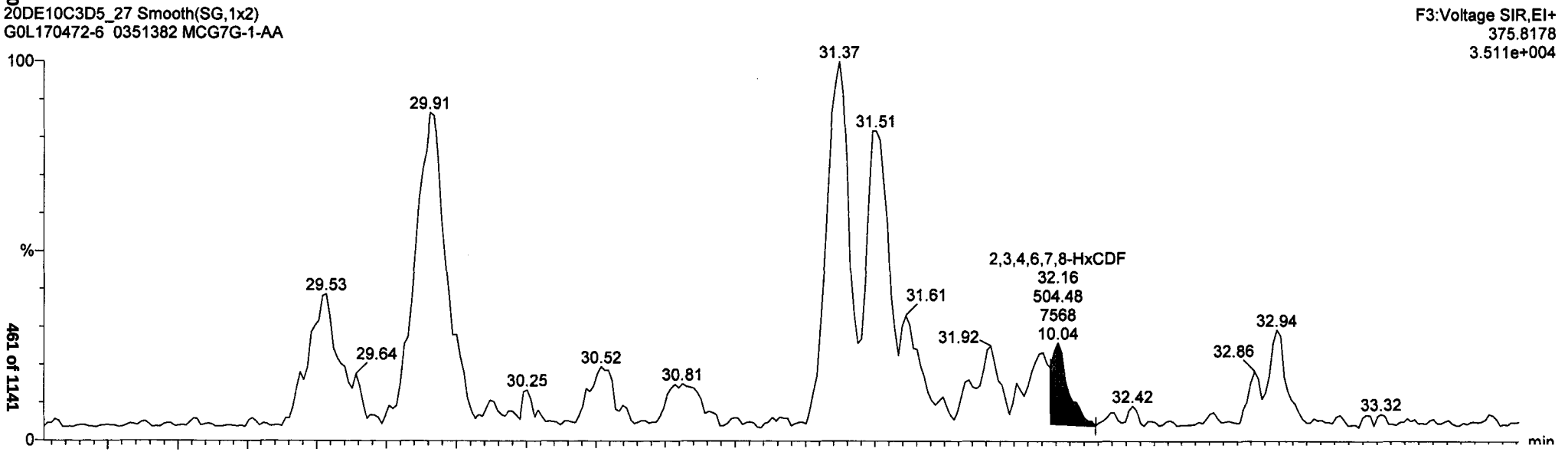
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_27



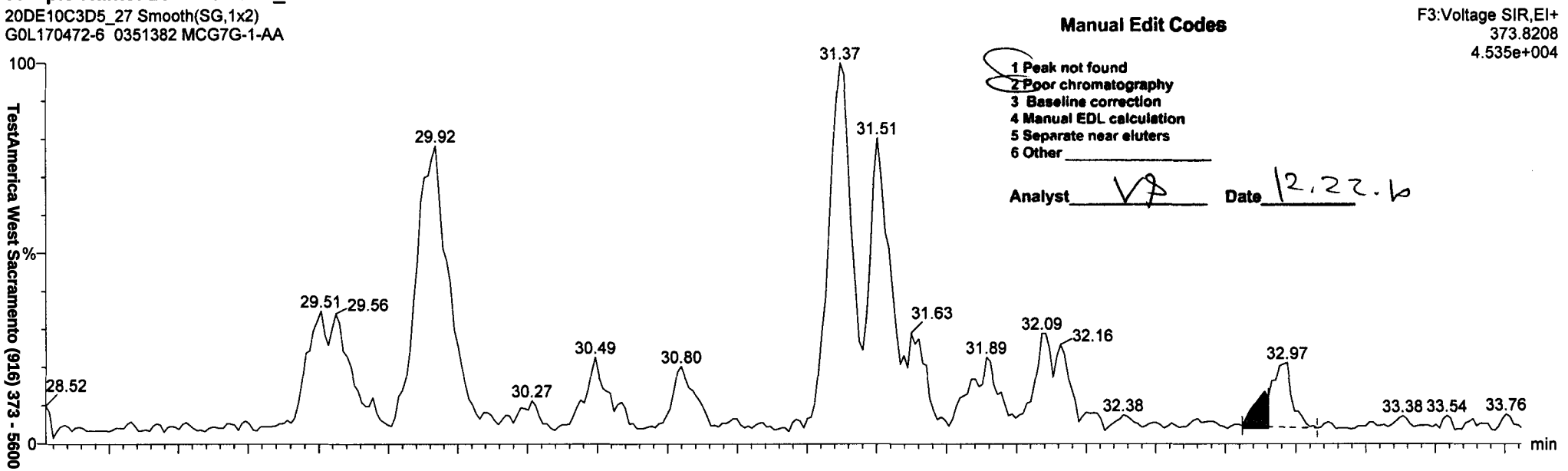


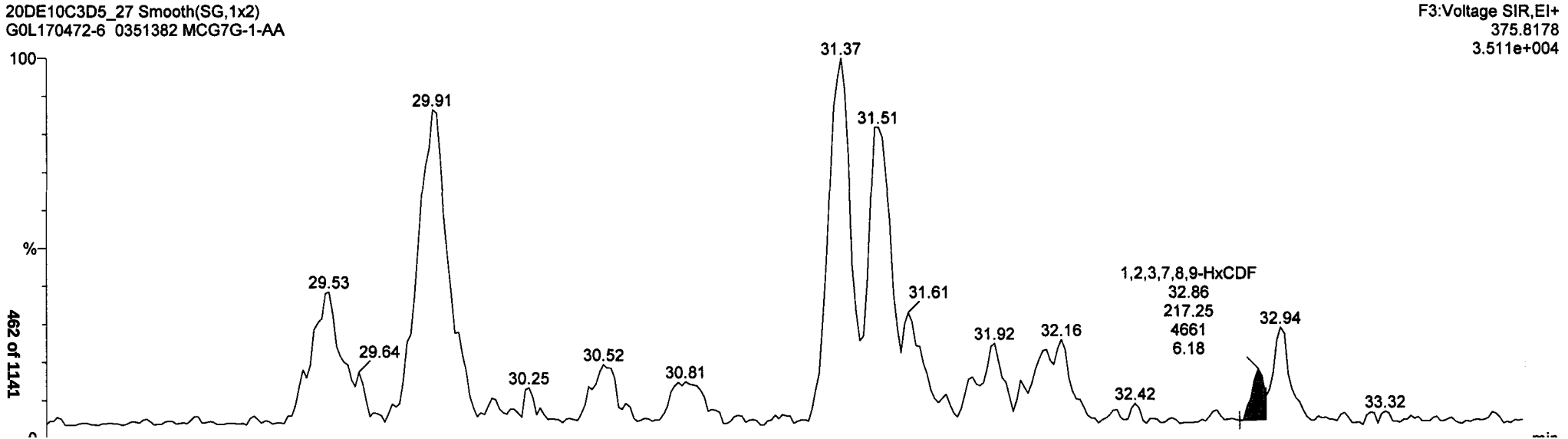
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_27





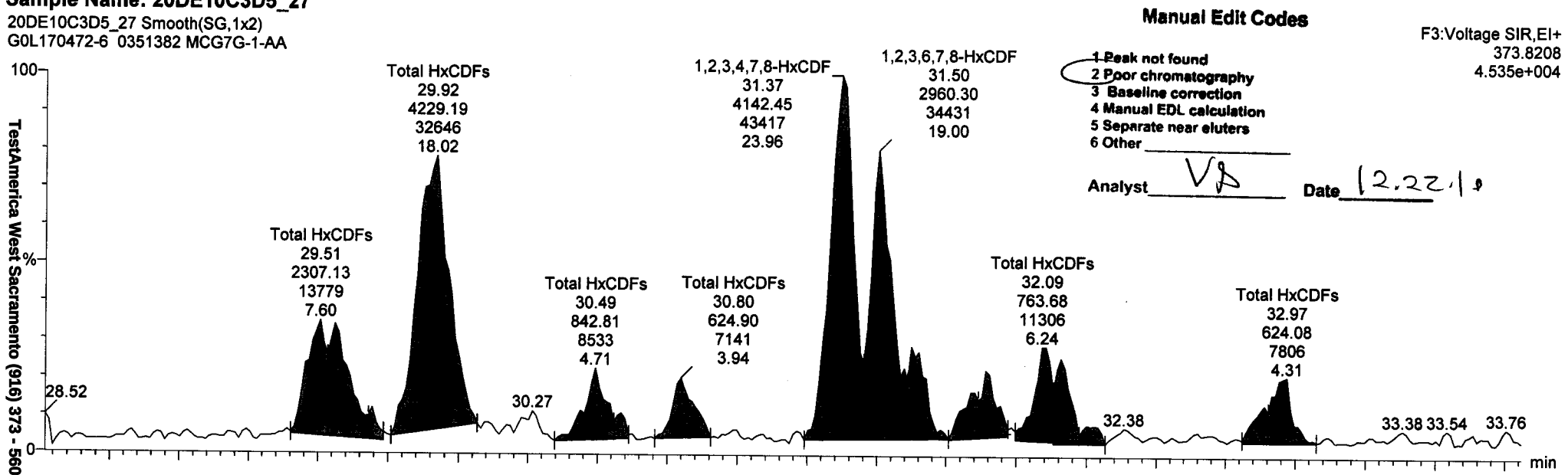
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

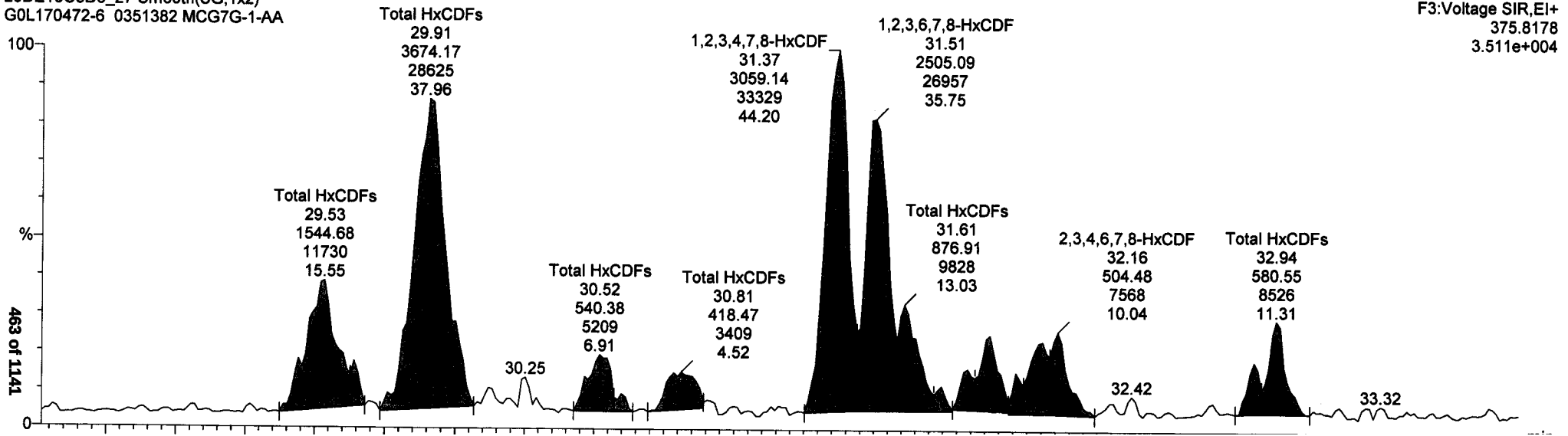
Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_27

20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA



20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA



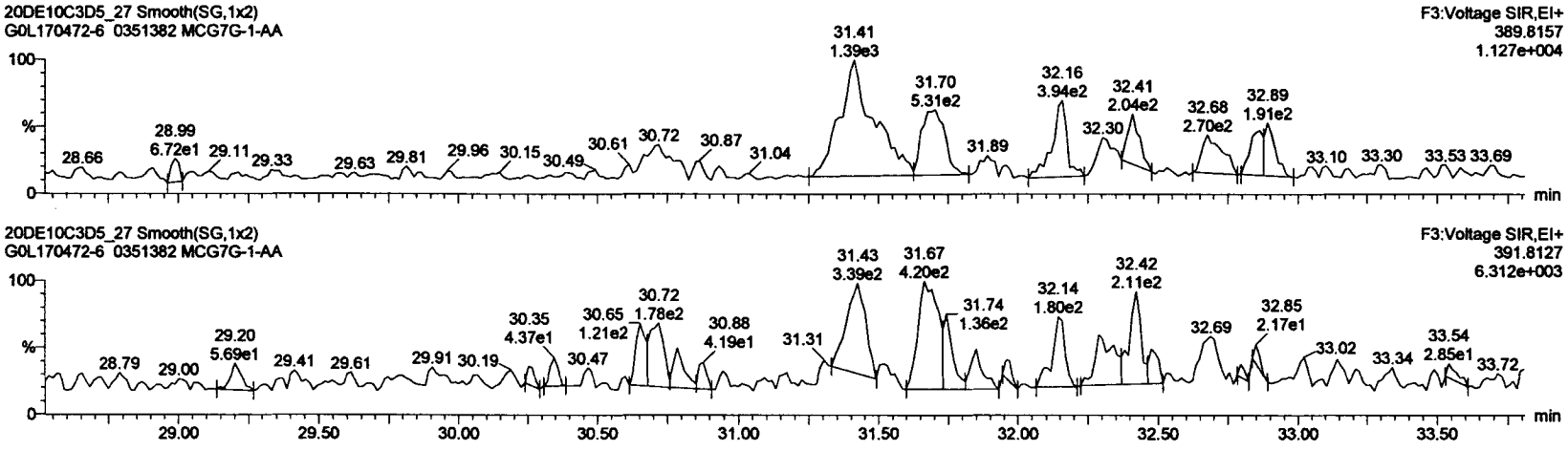
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

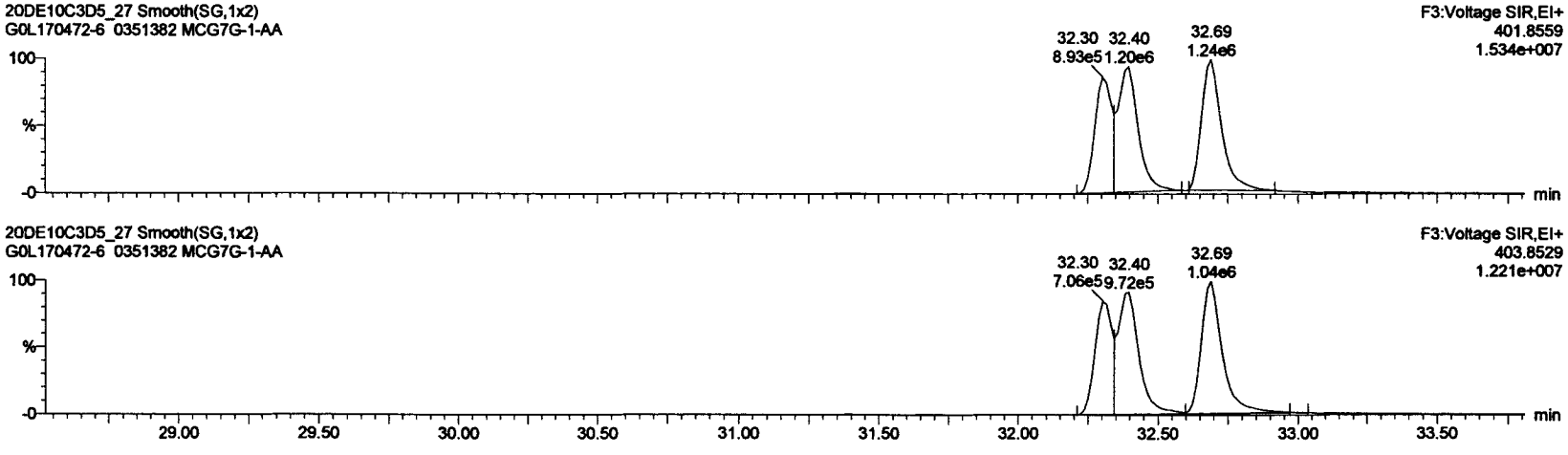
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

HxCDDs



13C-HxCDDs



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

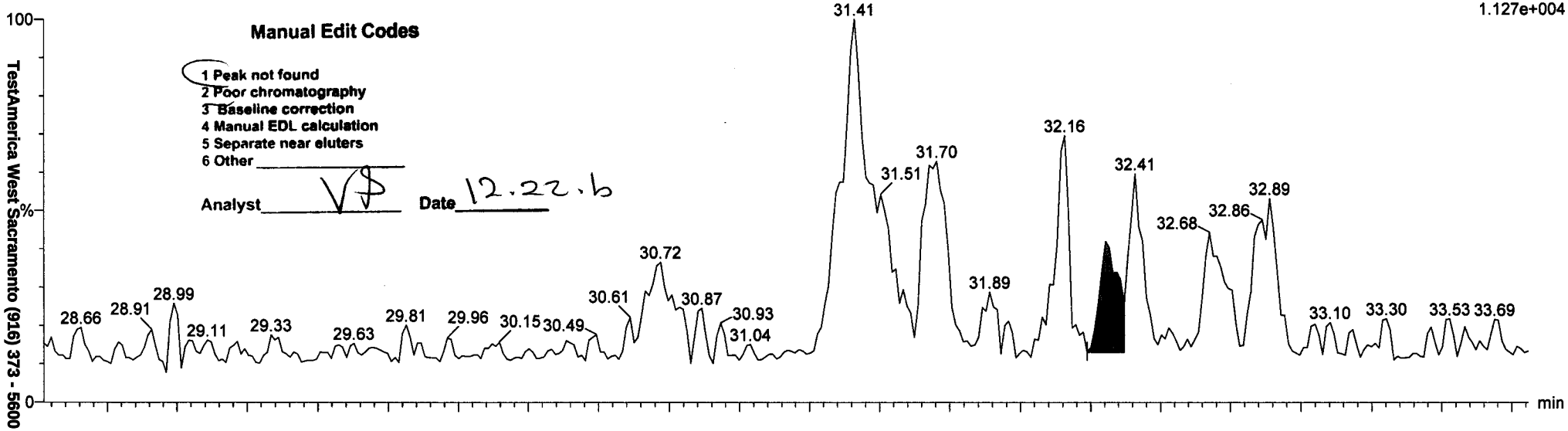
Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_27

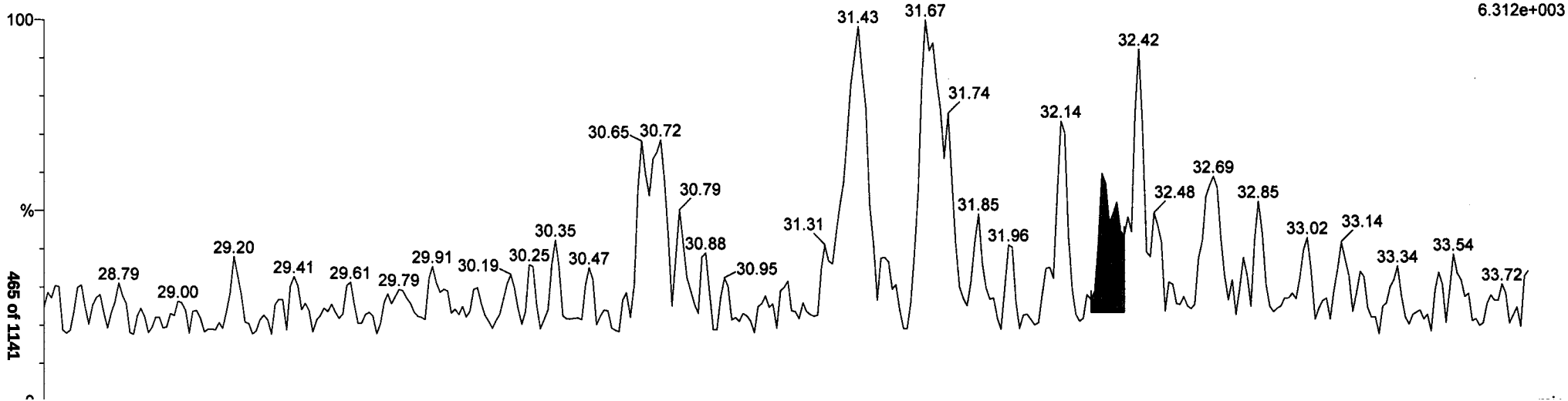
20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F3:Voltage SIR,EI+
389.8157
1.127e+004



20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F3:Voltage SIR,EI+
391.8127
6.312e+003

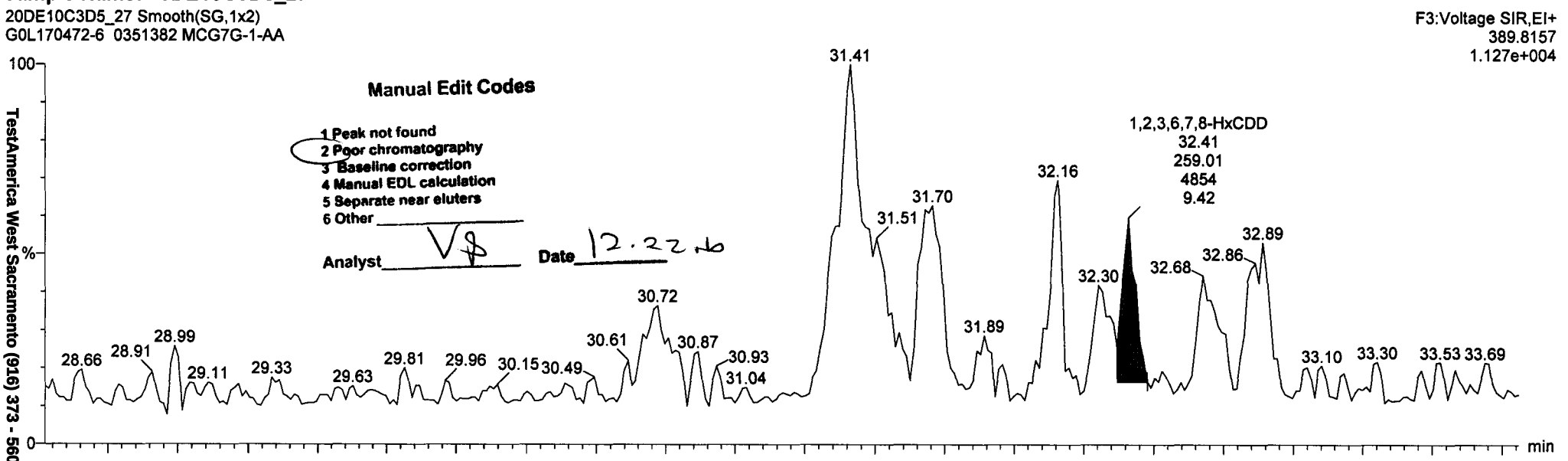


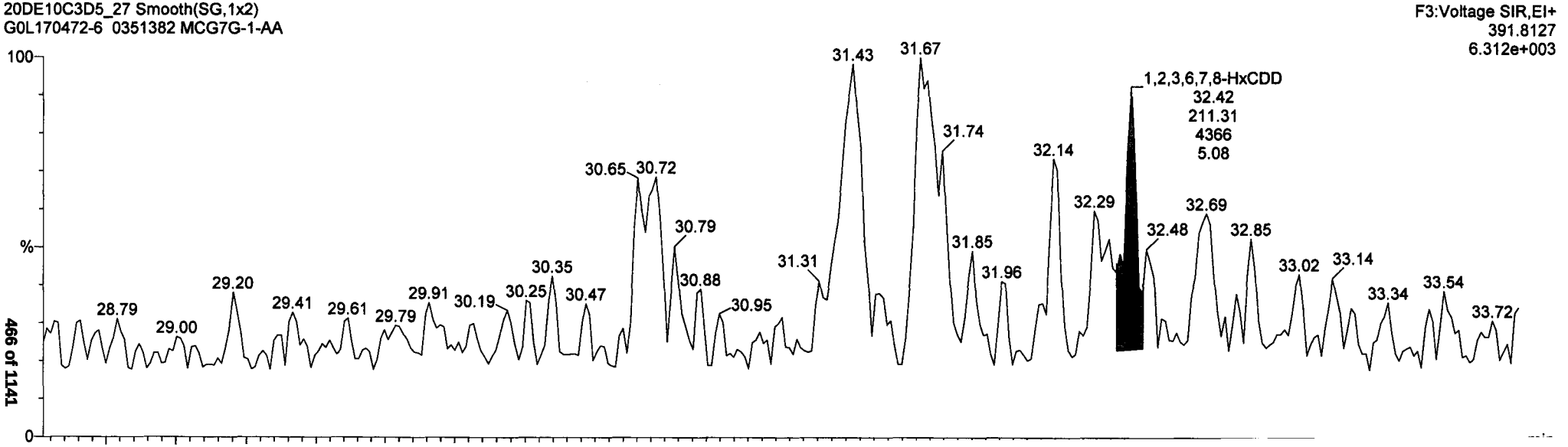
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_27





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_27

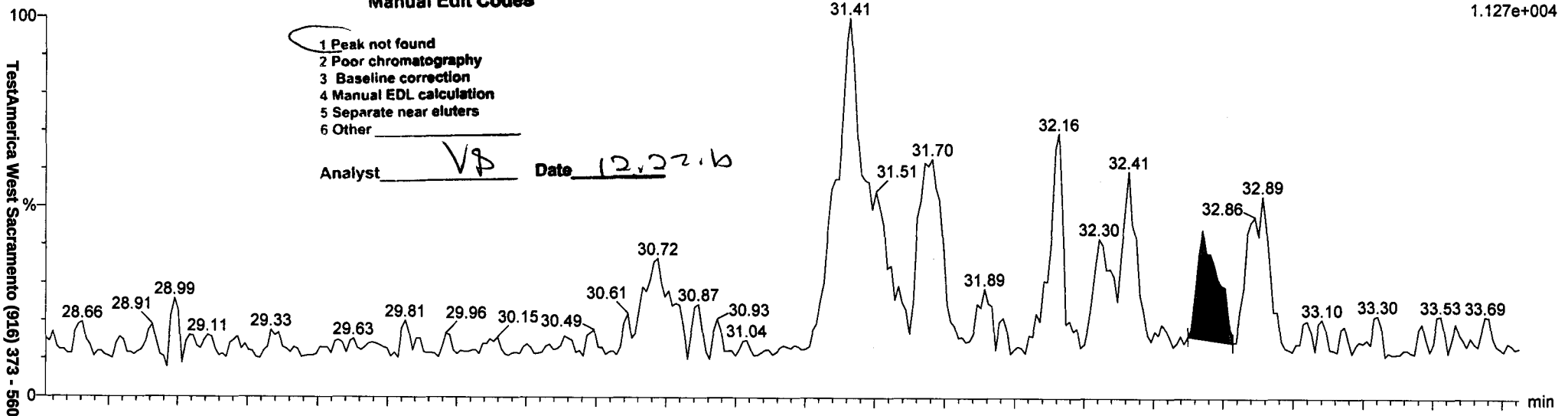
20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F3:Voltage SIR,EI+
389.8157
1.127e+004

Manual Edit Codes

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

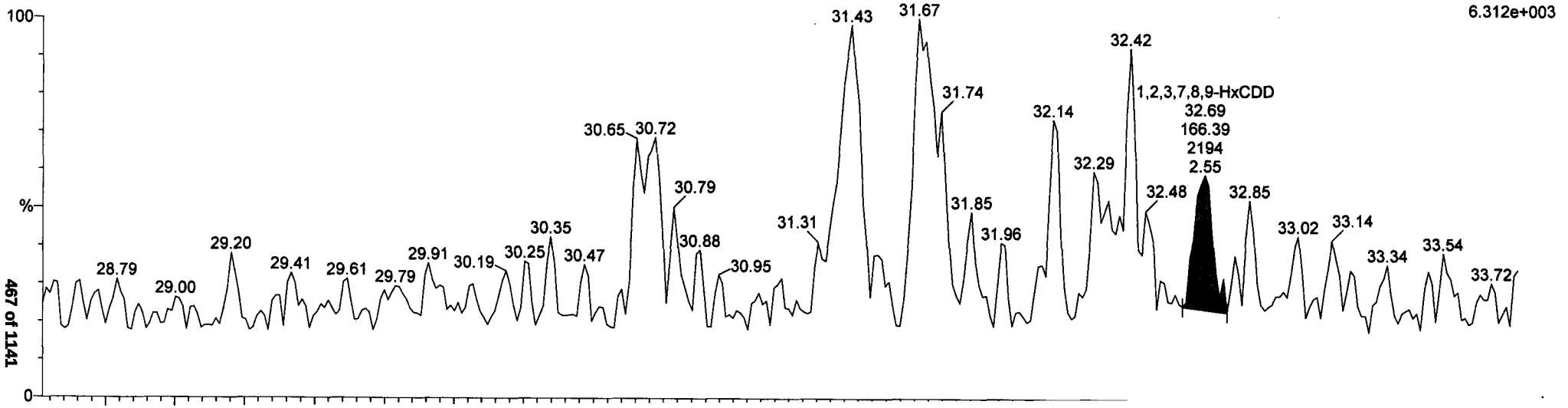
Analyst VP Date 12.22.10



TestAmerica West Sacramento (916) 373 - 5600

20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F3:Voltage SIR,EI+
391.8127
6.312e+003

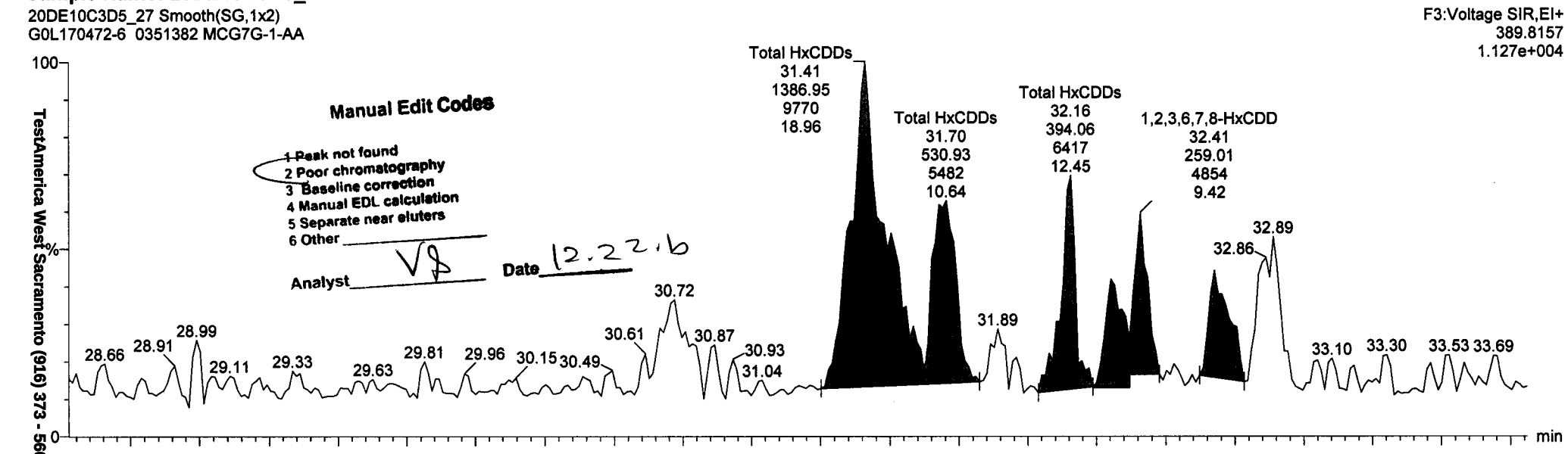


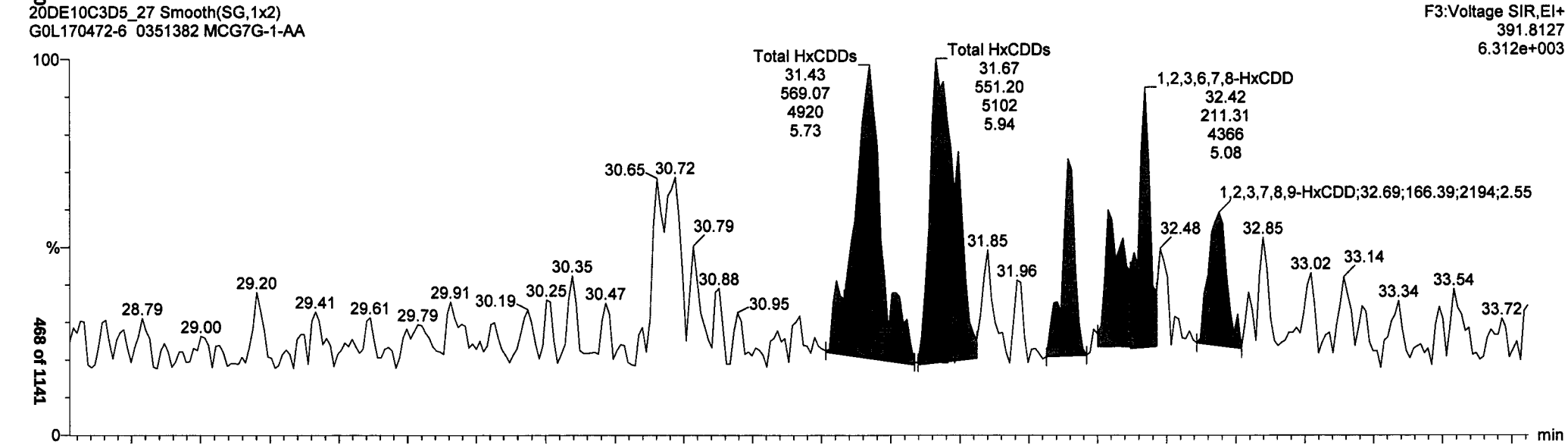
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:58:34 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_27





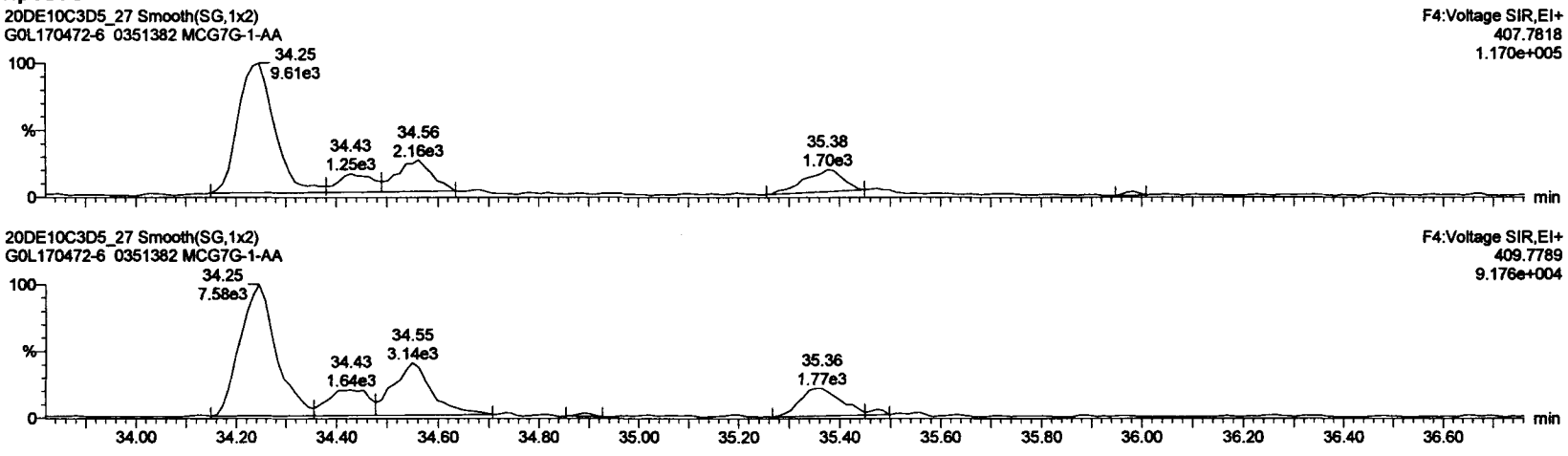
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

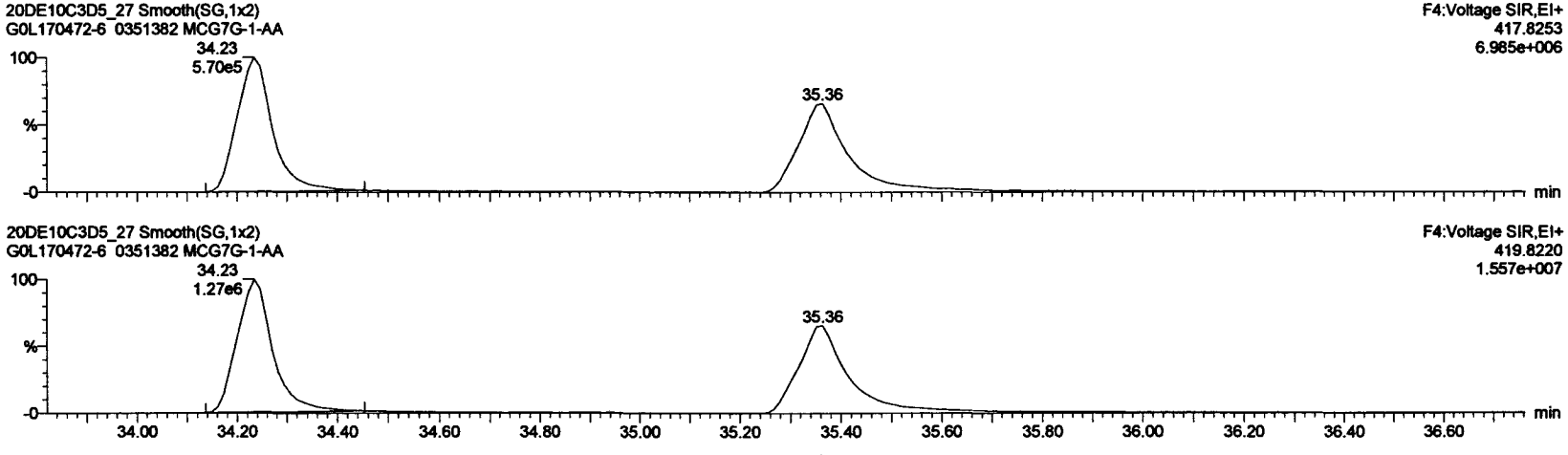
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

HpCDFs



13C-HpCDFs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

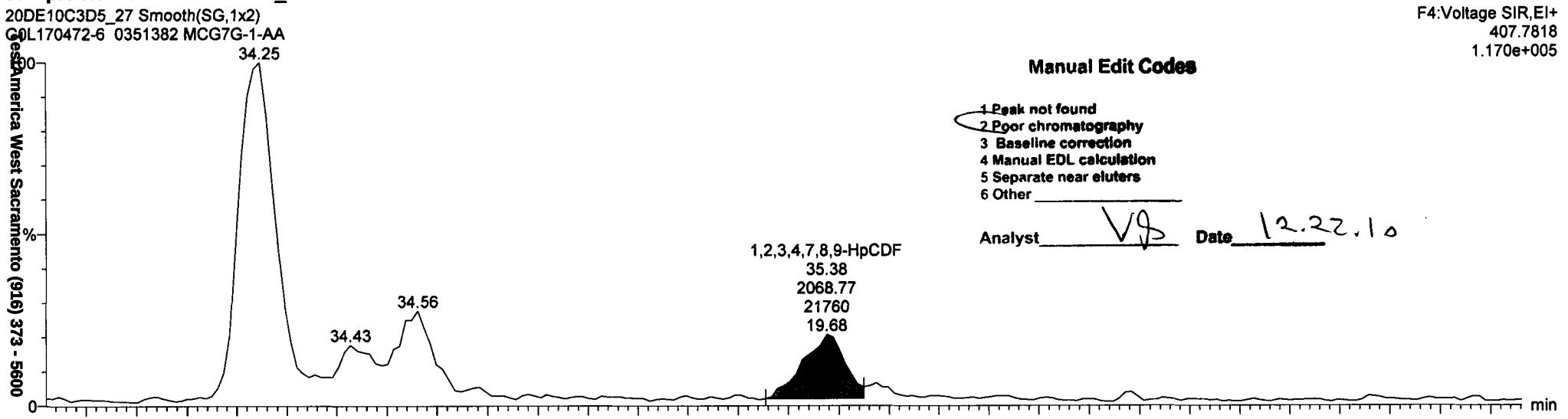
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:59:01 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: 1,2,3,4,7,8,9-HpCDF, Chrom. Trace: 407.7818

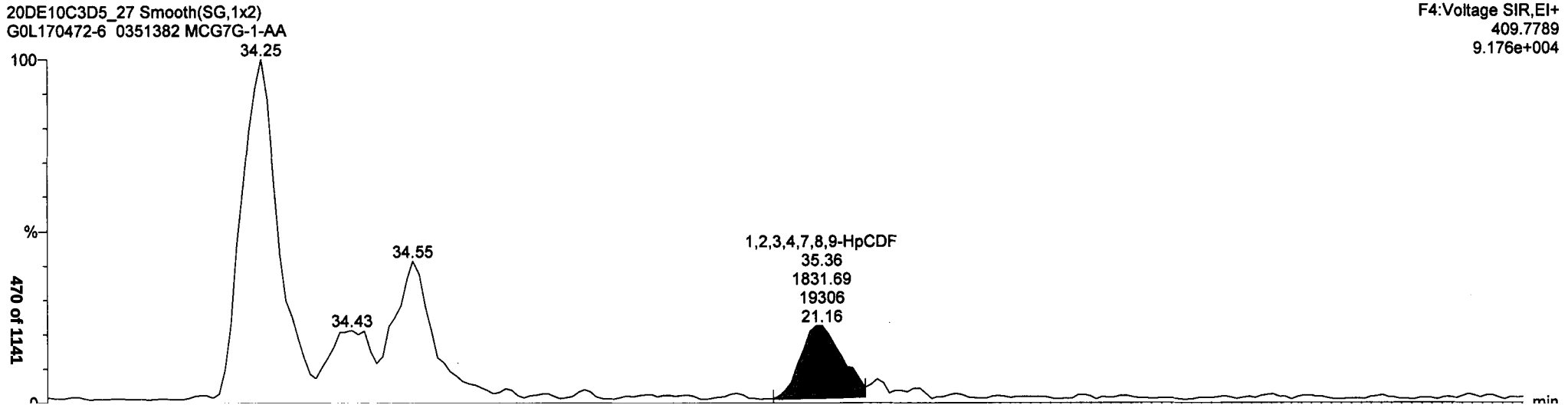
Sample Name: 20DE10C3D5_27



Manual Edit Codes

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

Analyst VB Date 12.22.10



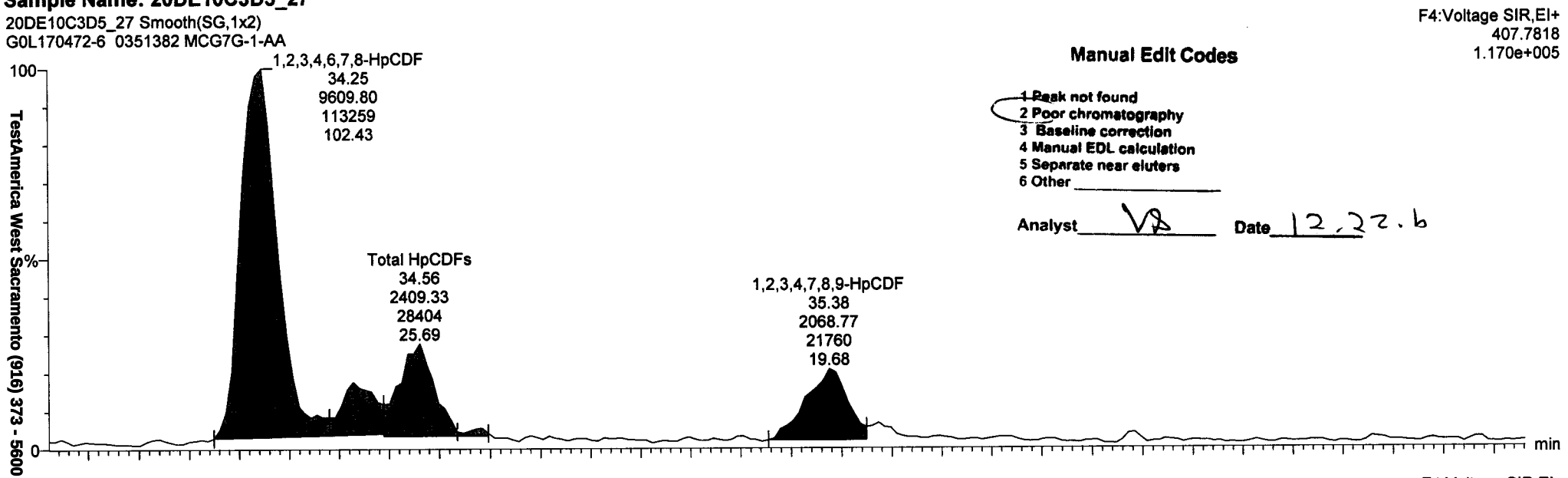
Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 15:06:30 Pacific Standard Time

Compound Name: Total HpCDFs, Chrom. Trace: 407.7818

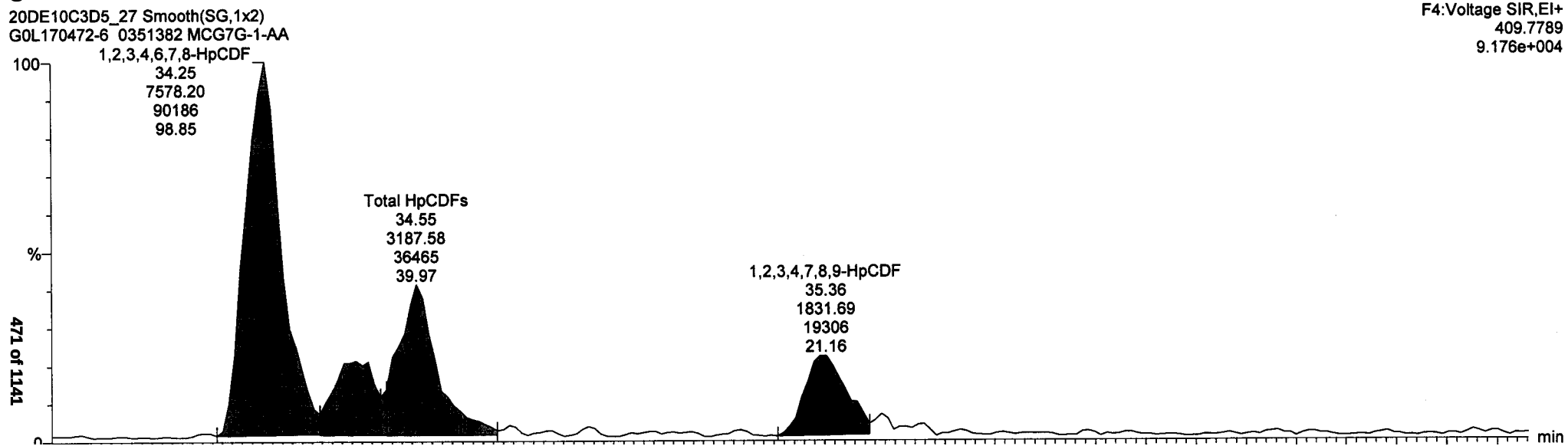
Sample Name: 20DE10C3D5_27



Manual Edit Codes

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

Analyst VB Date 12.22.10



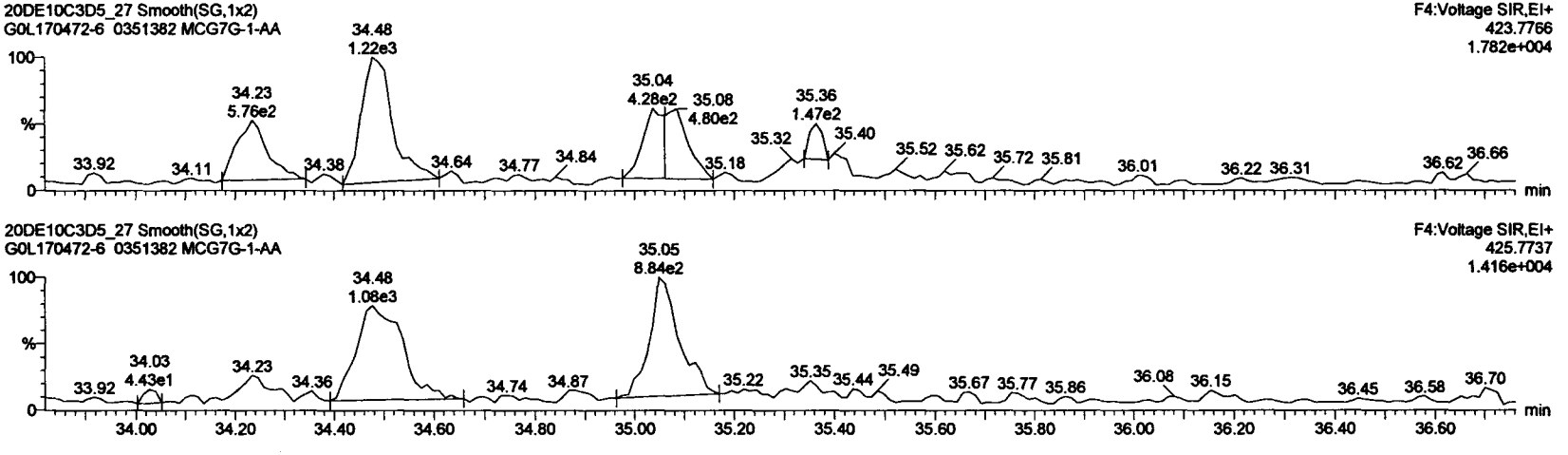
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

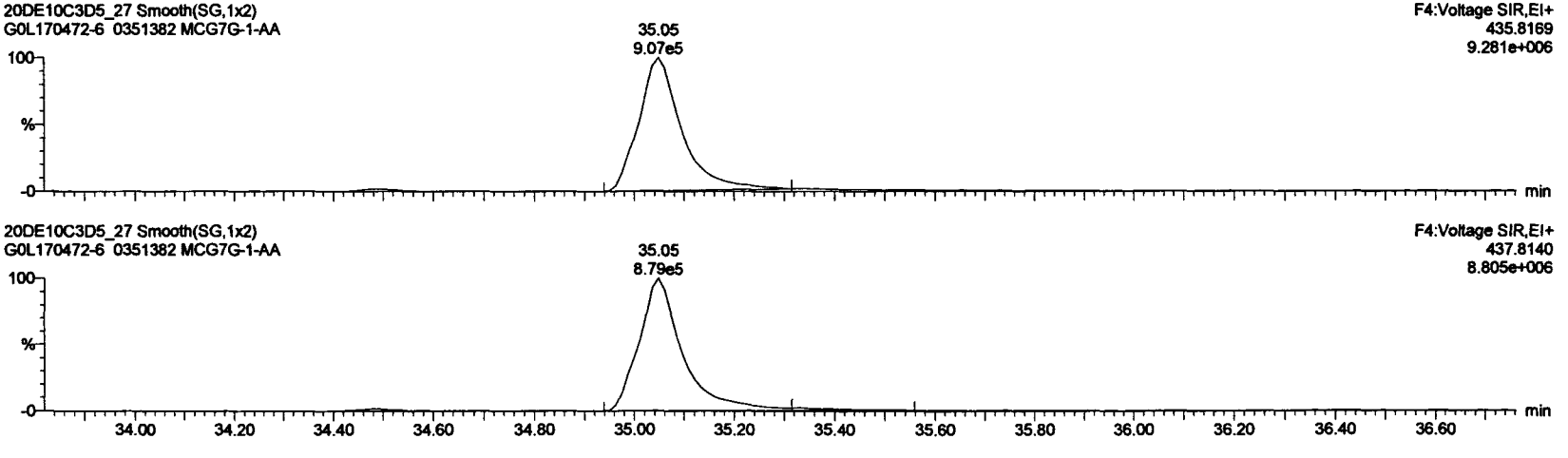
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

HpCDDs



13C-HpCDD

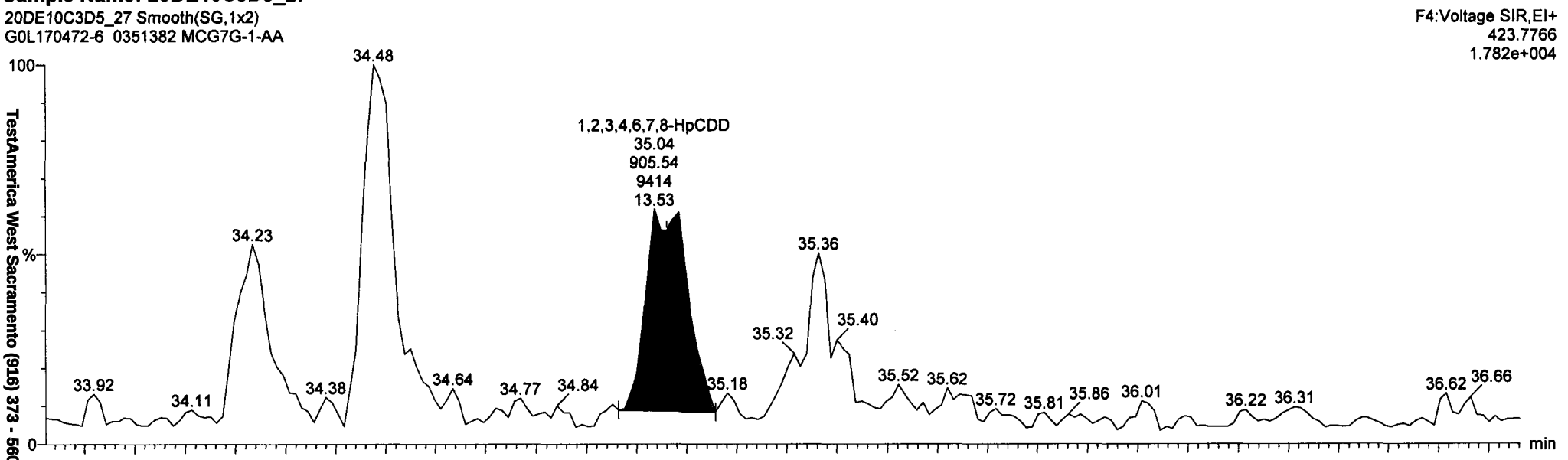


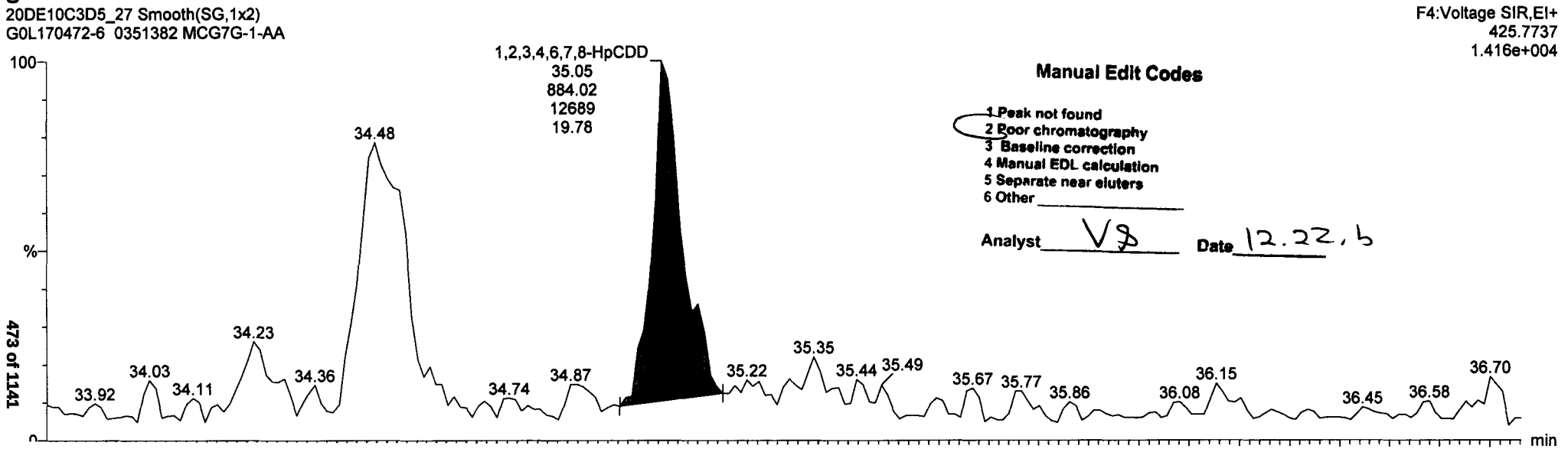
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:59:01 Pacific Standard Time

Compound Name: 1,2,3,4,6,7,8-HpCDD, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_27





Manual Edit Codes

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

Analyst VS Date 12.22.10

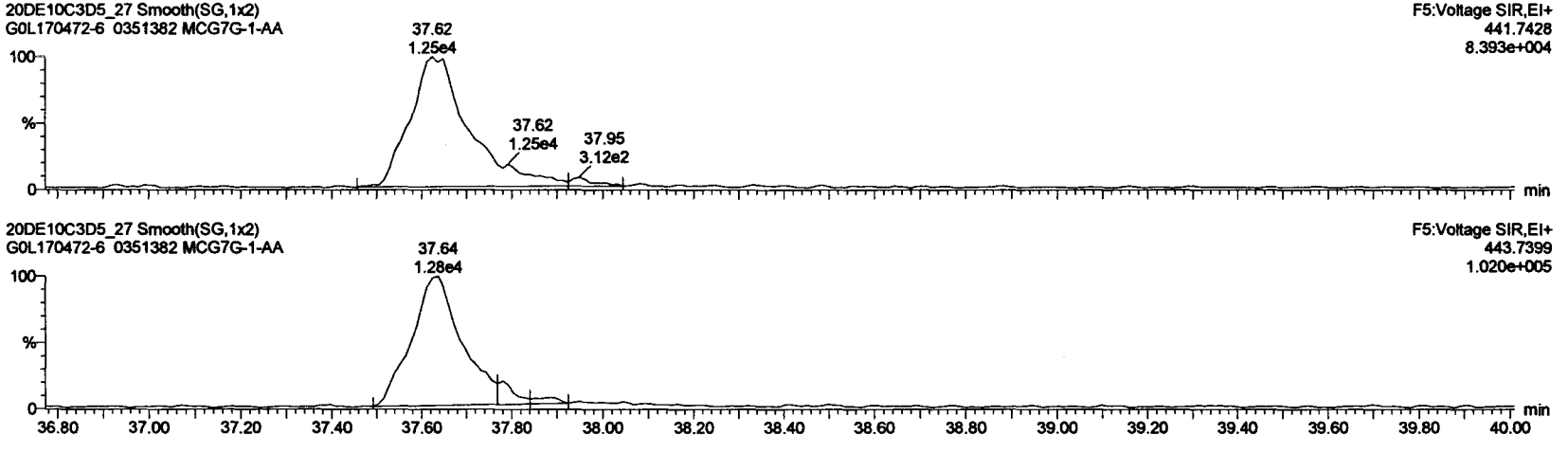
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

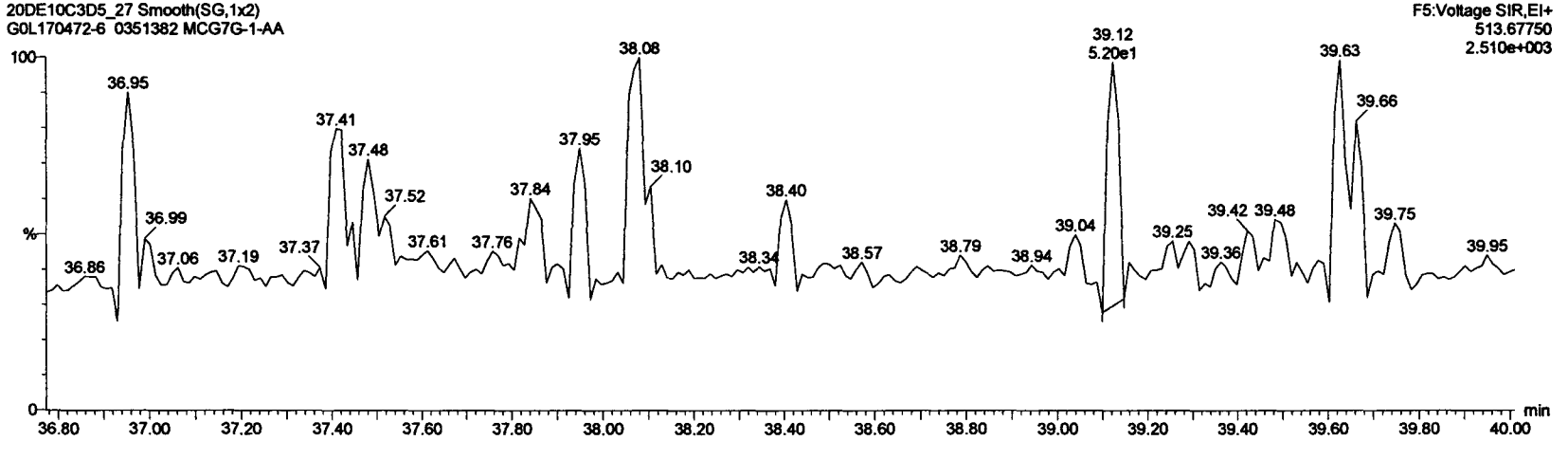
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

OCDFs



OCDF PCDPE



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

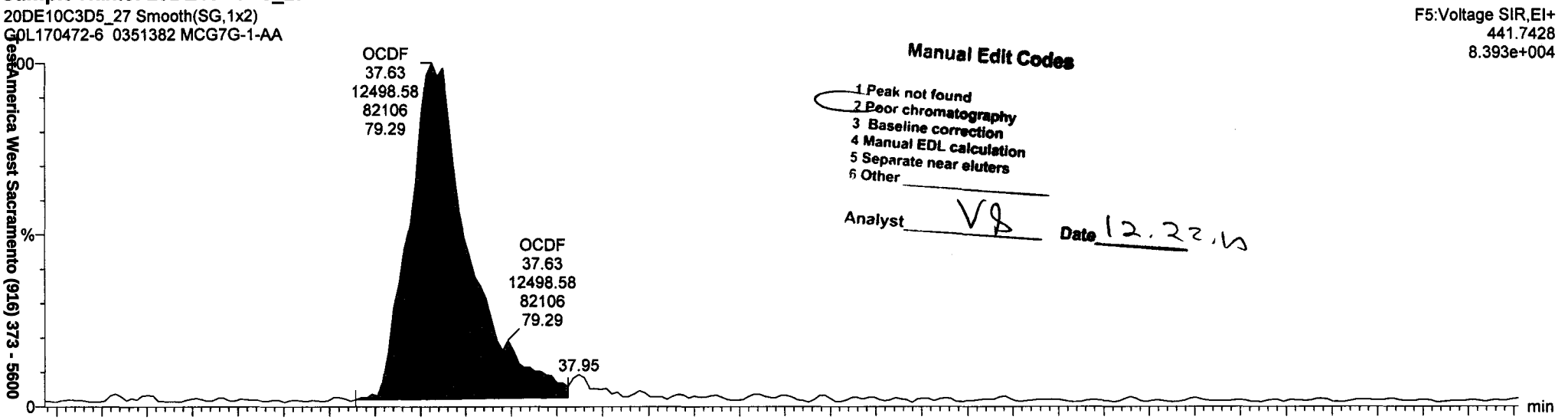
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

Last Altered: Wednesday, December 22, 2010 15:06:01 Pacific Standard Time
Printed: Wednesday, December 22, 2010 15:07:33 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: OCDF, Chrom. Trace: 441.7428

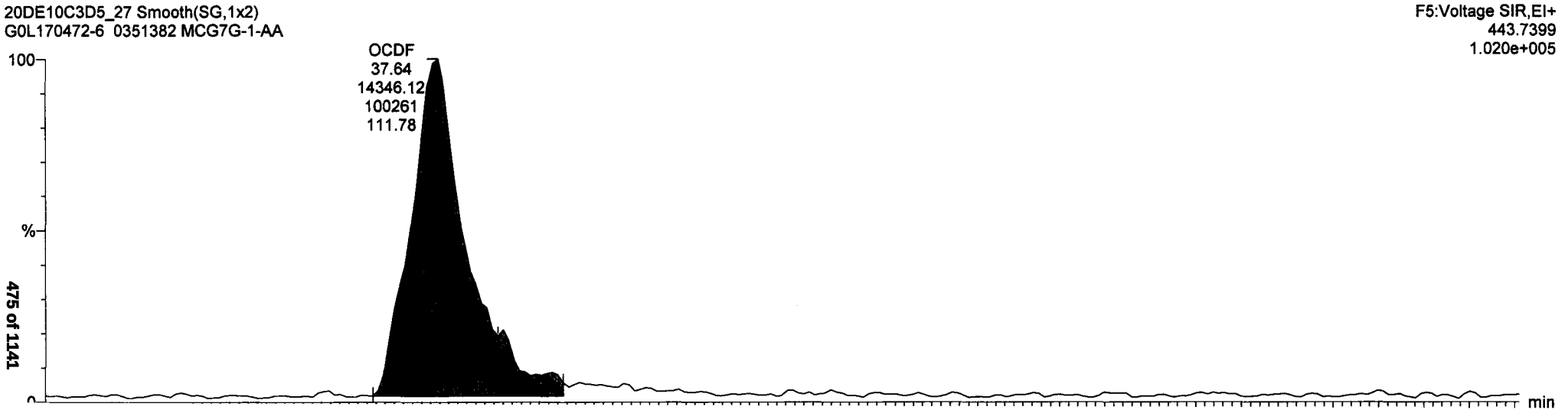
Sample Name: 20DE10C3D5_27



Manual Edit Codes

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

Analyst VB Date 12.22.10



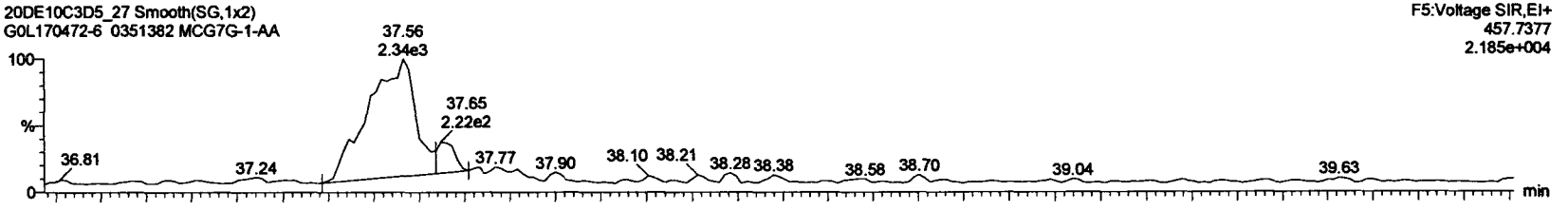
Quantify Sample Report **MassLynx 4.1**

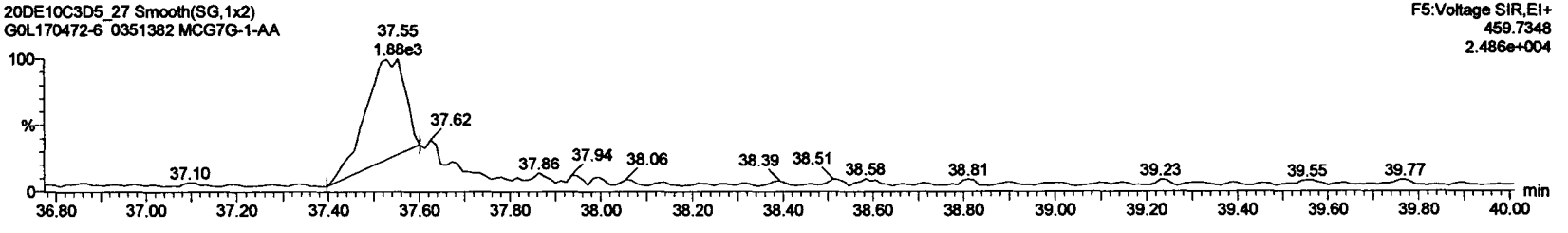
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

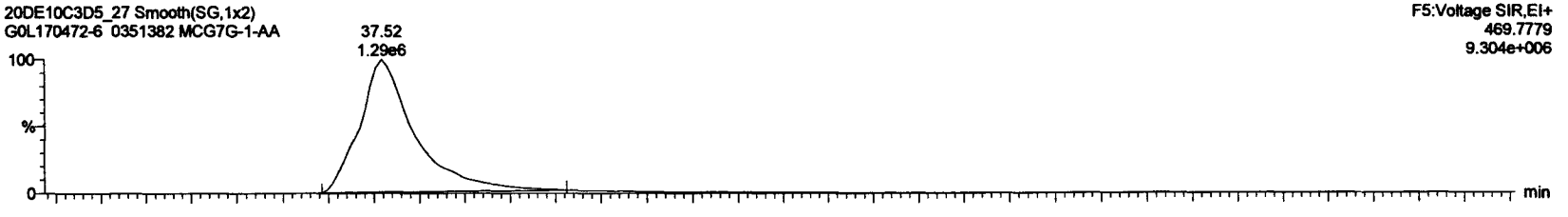
Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

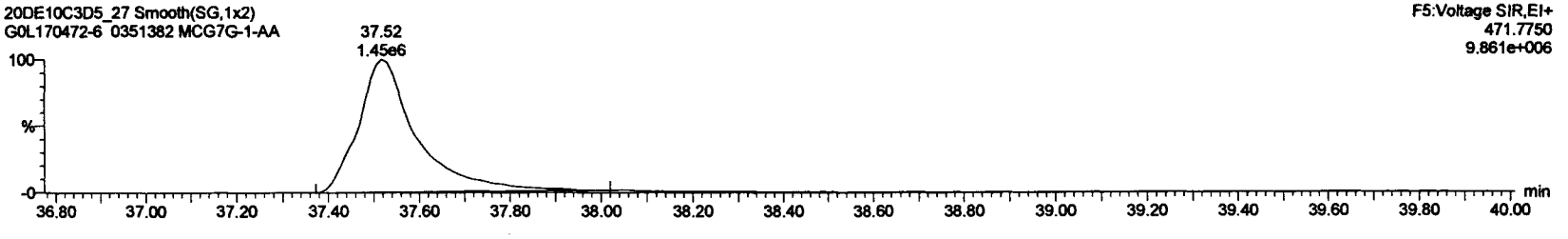
OCDD





13C-OCDD





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Gvg.qld

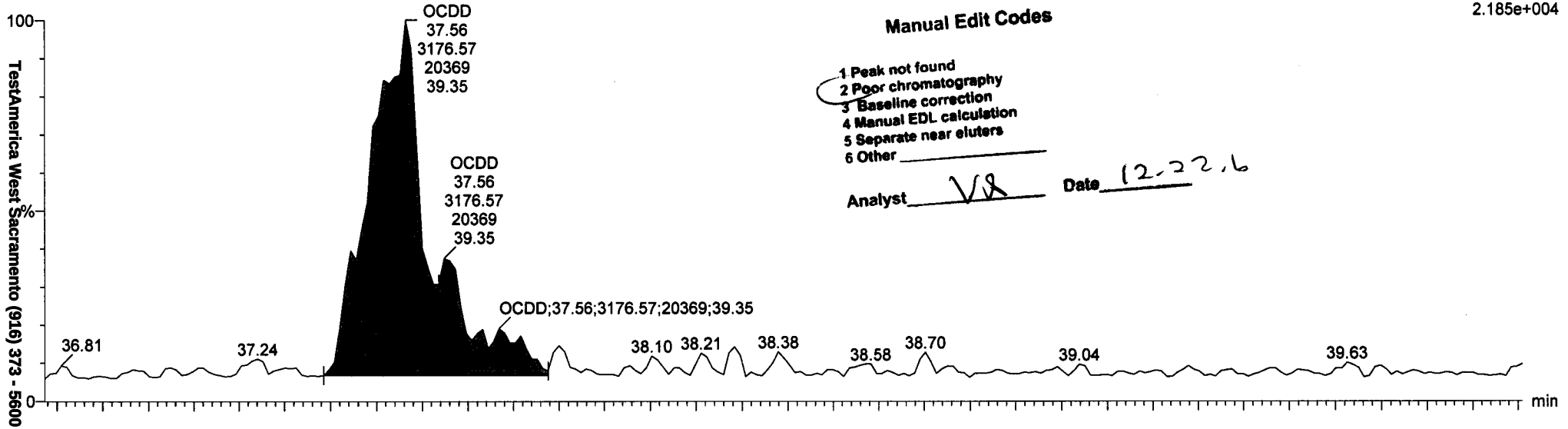
Last Altered: Wednesday, December 22, 2010 14:57:22 Pacific Standard Time
Printed: Wednesday, December 22, 2010 14:59:01 Pacific Standard Time

Compound Name: OCDD, Chrom. Trace: 457.7377

Sample Name: 20DE10C3D5_27

20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F5:Voltage SIR,EI+
457.7377
2.185e+004



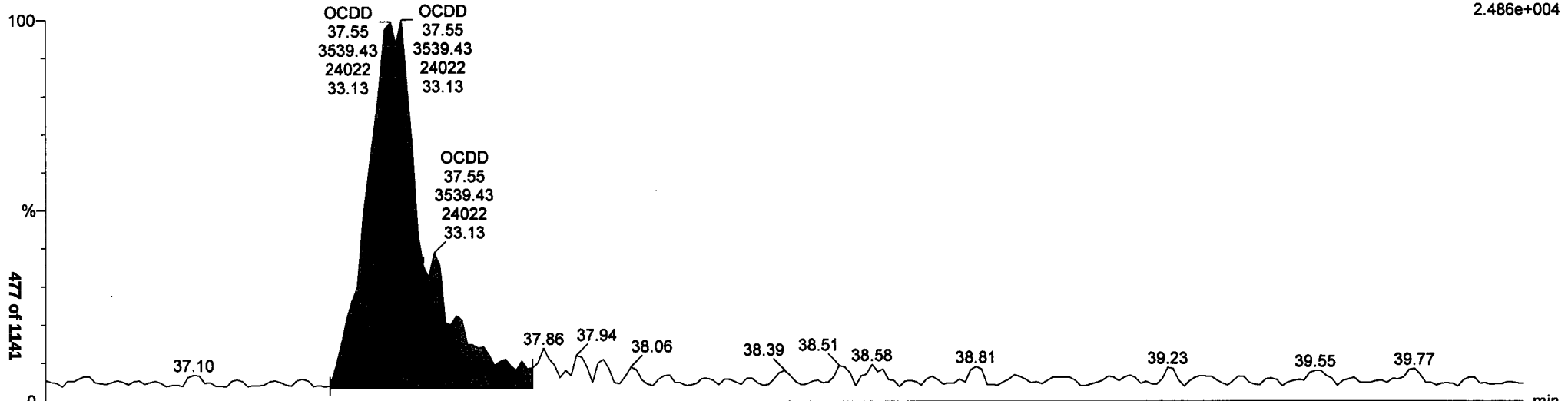
Manual Edit Codes

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

Analyst VR Date 12.22.10

20DE10C3D5_27 Smooth(SG,1x2)
G0L170472-6 0351382 MCG7G-1-AA

F5:Voltage SIR,EI+
459.7348
2.486e+004



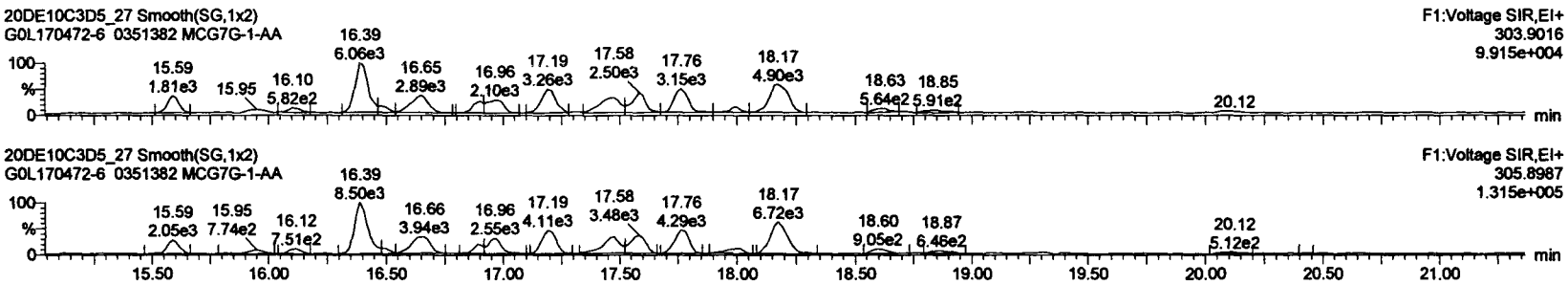
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

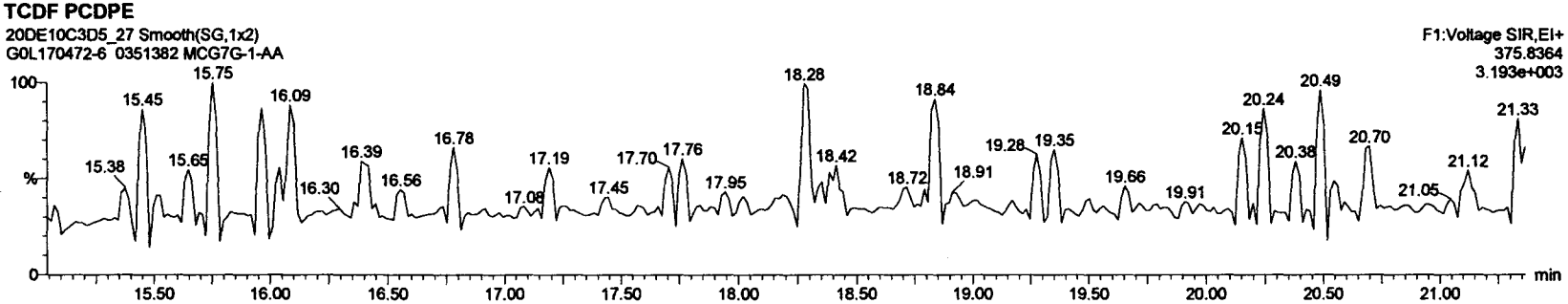
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

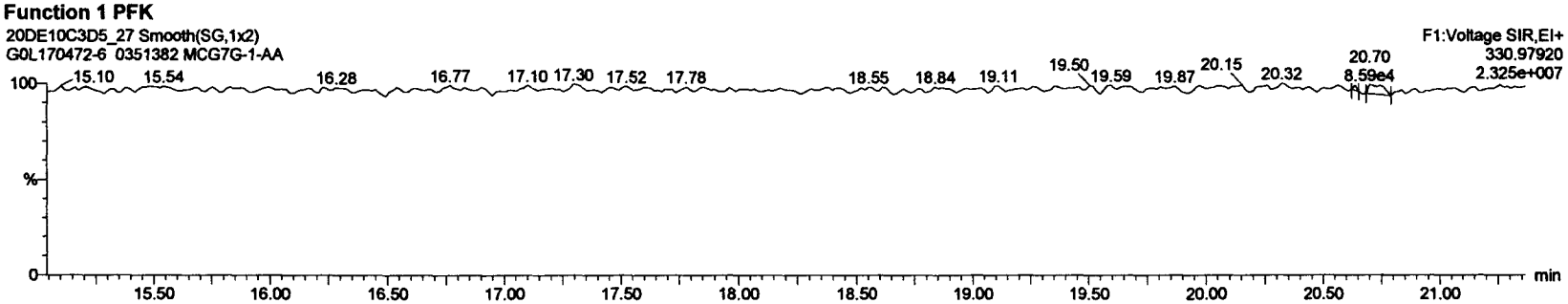
TCDFs



TCDF PCDPE



Function 1 PFK



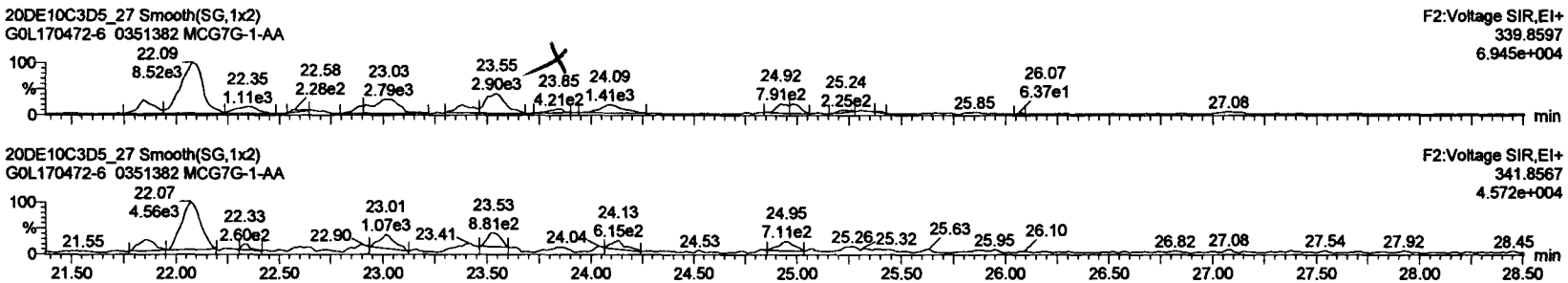
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

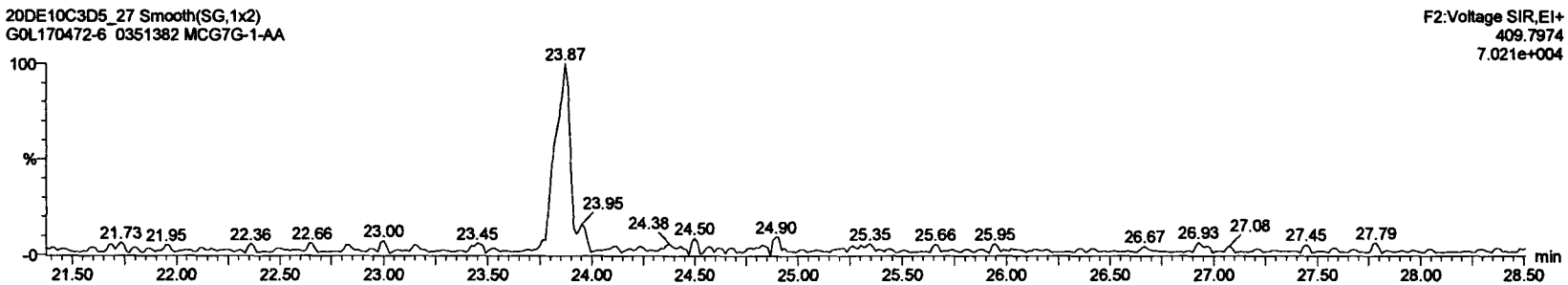
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

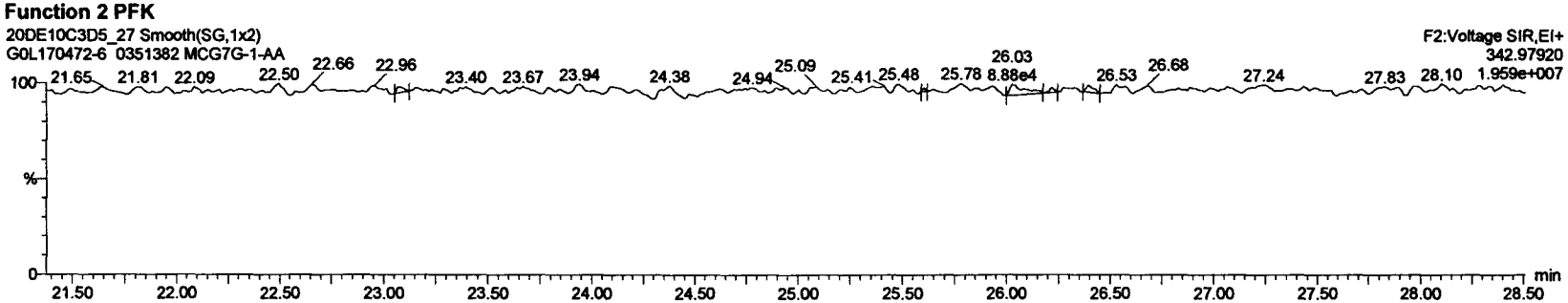
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



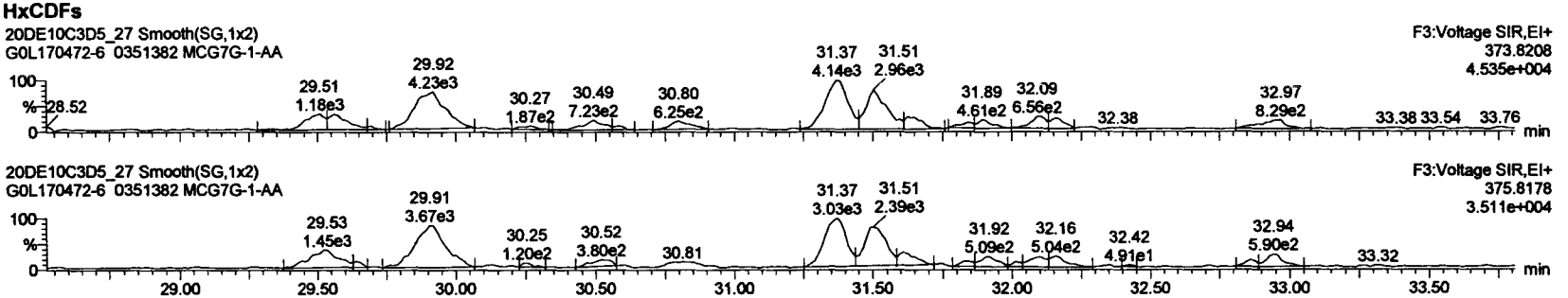
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

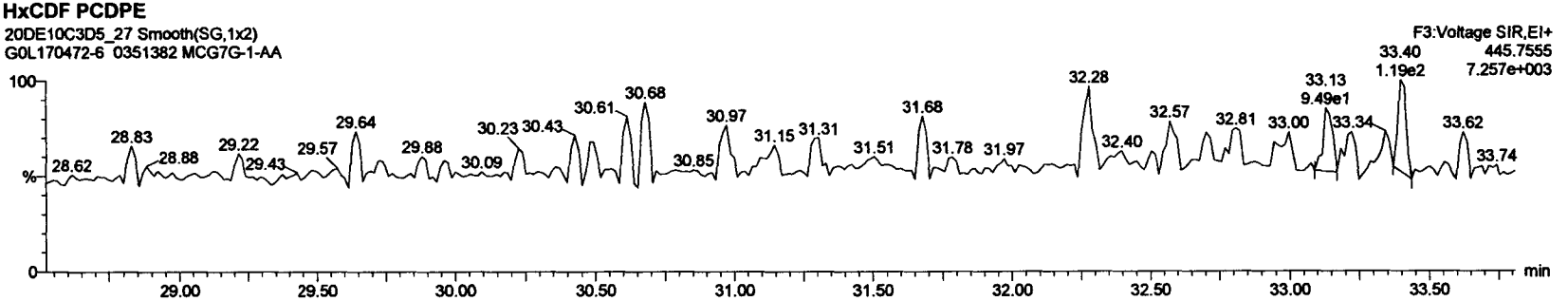
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

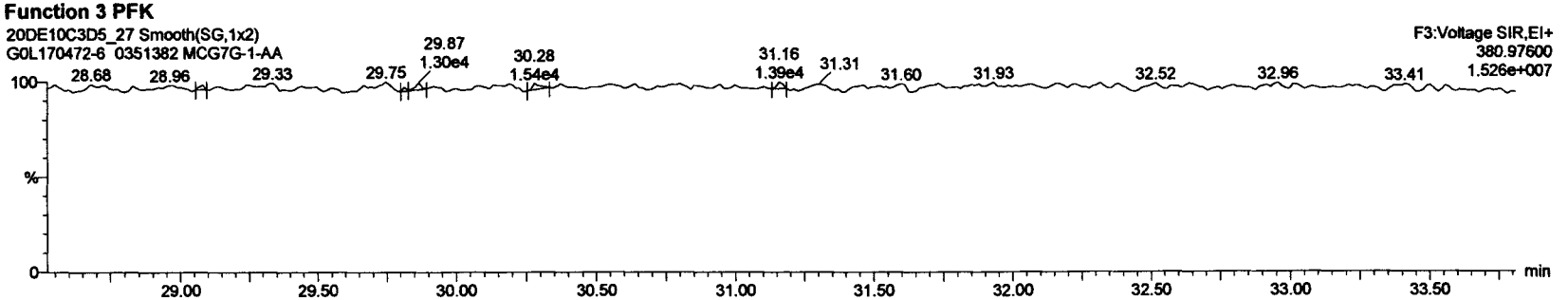
HxCDFs



HxCDF PCDPE



Function 3 PFK



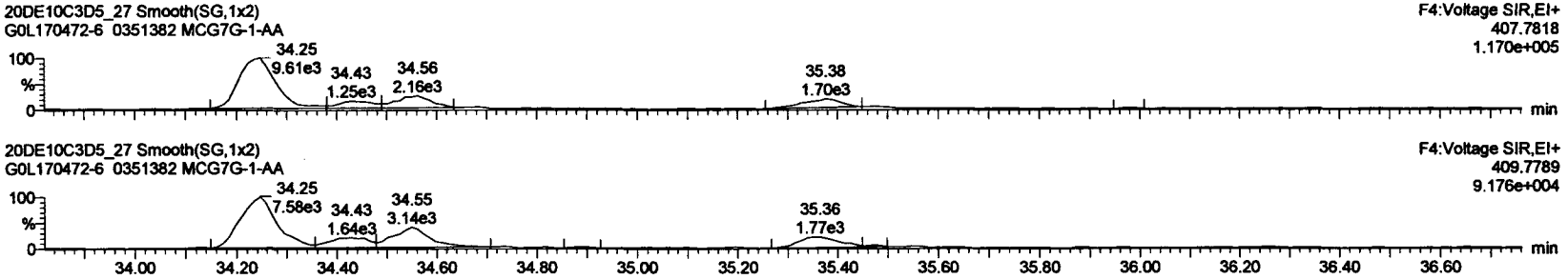
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

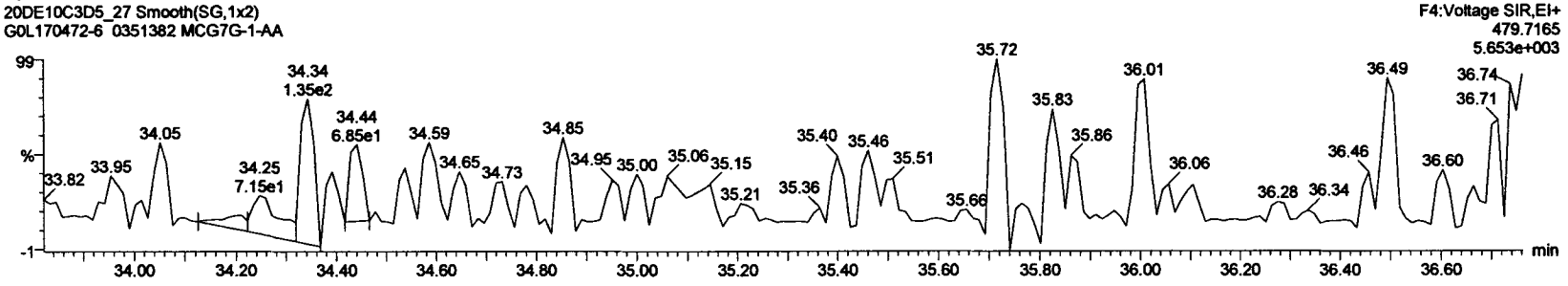
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

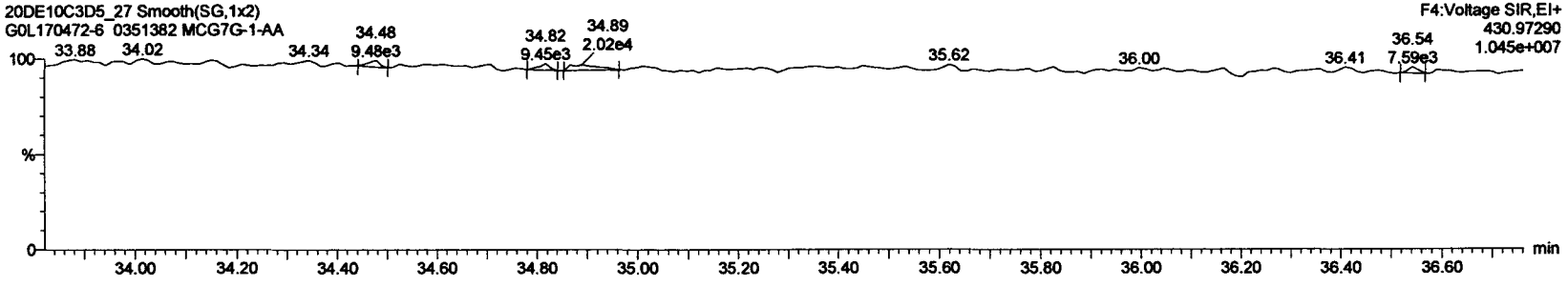
HpCDFs



HpCDF PCDPE



Function 4 PFK



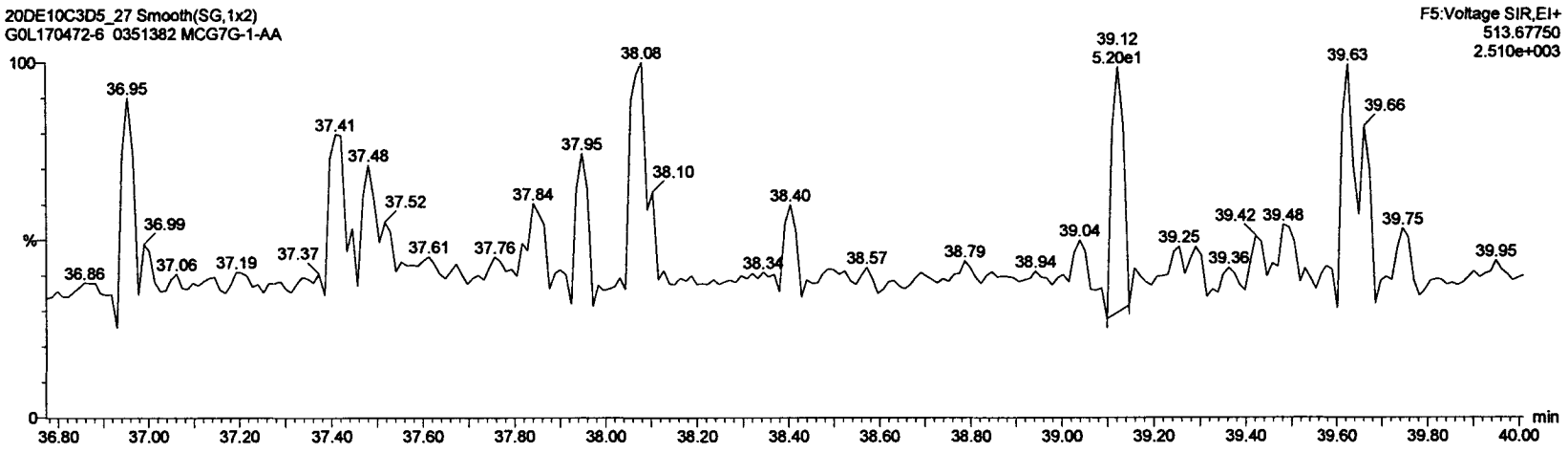
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

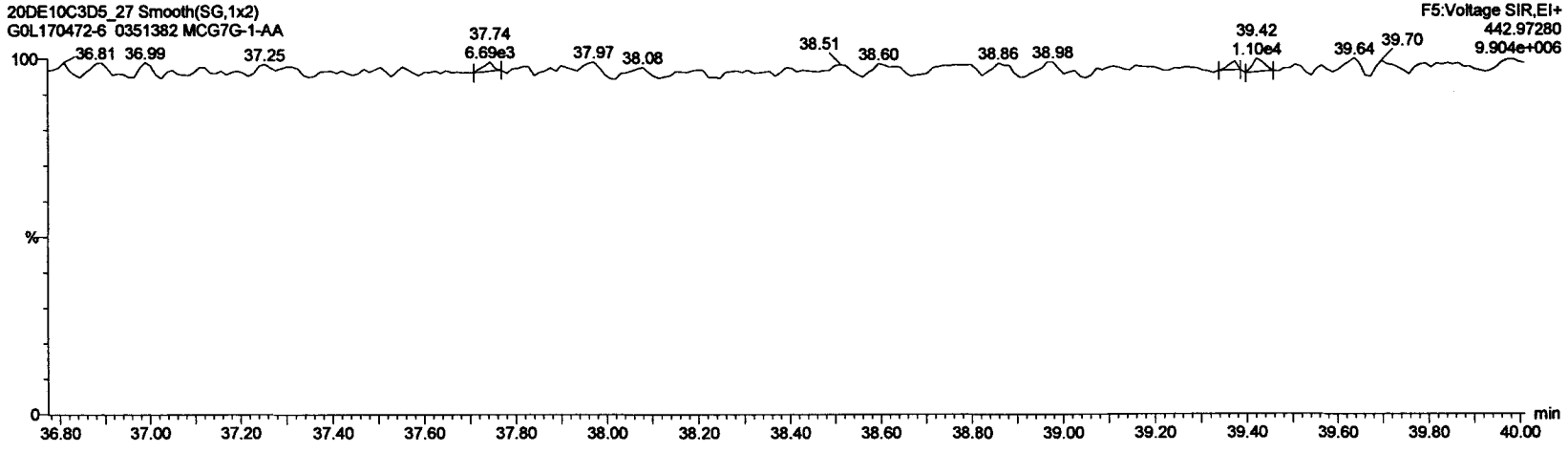
Last Altered: Tuesday, December 21, 2010 13:55:46 Pacific Standard Time
Printed: Tuesday, December 21, 2010 13:56:54 Pacific Standard Time

Name: 20DE10C3D5_27, Date: 21-Dec-2010, Time: 12:15:05, ID: MCG7G-1-AA, Description: G0L170472-6 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:20:13 Pacific Standard Time

V8 12.22.10

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_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.69	18.70	1.000	3298846.63	4000.0000	4000.0000	100.0	2.0911	0.767	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	3952561.75	3603.6800	3603.6800	90.1	1.8758	0.786	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.16	0.972	8643.05	9.0033	9.0033 J		0.5758	0.781	0.770	NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		62.6550	60.9299 ✓		0.5758				
6															
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.88	18.89	0.890	2762983.88	3764.6324	3764.6324	94.1	2.3498	0.754	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000	18.93	18.91	1.009	1879.89	2.6979	1.4220 JQ		0.7955	0.298	0.770	YES	22-Dec-10
9	Total TCDDs	319.8965	0.50000		19.55	1.009		17.9960	~~15.8184~~ 15.36 ✓		~~0.7955~~				
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.89	0.649	766221.06	1708.1277	0.0000	106.8	1.4577				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.49	23.53	0.971	3091573.88	3861.8162	3861.8162	96.5	3.1756	1.590	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.52	23.52	1.069	5691.04	6.8873	6.8873 J		1.0942	1.642	1.550	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.94	24.94	1.028	3996.36	5.0277	4.4704 JQ		1.1375	1.176	1.550	YES	22-Dec-10
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		50.9261	~~40.6501~~ 47.58		~~1.1455~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		8.4821	+ 8.4821		0.7060				
18									= 56.06 ✓						
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.67	25.74	0.715	2296575.56	3893.4542	3893.4542	97.3	2.4064	1.544	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000	25.67	25.70	0.884	1388.35	2.7352	2.7352 J		1.5225	1.364	1.550	NO	22-Dec-10
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		15.9441	14.2470 ✓		1.5225				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.68	32.74	1.000	2088439.25	4000.0000	4000.0000	100.0	3.2724	1.203	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.34	31.36	1.084	2206421.00	3897.0840	3897.0840	97.4	5.0859	0.522	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.36	31.37	1.219	7826.76	11.6446	11.6446 J		0.8067	1.247	1.240	NO	22-Dec-10
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.49	31.50	1.396	6463.83	8.3926	8.3926 J		0.7040	1.245	1.240	NO	22-Dec-10
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.14	32.14	1.237	2499.27	3.6614	3.6614 J		0.7944	1.375	1.240	NO	22-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.88	32.85	1.078	1523.57	2.5617	2.3604 JQ		0.9117	1.431	1.240	YES	22-Dec-10
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		61.4718	60.1235 ✓		0.7975				
31															

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:20:13 Pacific Standard Time

$1.8495 \cdot \frac{1.028}{0.8151} = 2.3326$ 12/23/10 ma

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.38	32.38	0.894	2005339.38	4293.9172	4293.9172	107.3	3.6585	1.270	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.30	32.32	~~1.028~~	952.87	1.8495	~~2.3326~~ J ~~1.8495~~ J		0.8362	1.422	1.240	NO	22-Dec-10
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.41	32.40	1.111	1563.71	2.8087	2.5909 JQ		0.7739	1.043	1.240	YES	22-Dec-10
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.65	32.69	1.113	2757.91	4.9437	4.9437 J		0.7723	1.414	1.240	NO	
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		19.7196	~~18.7040~~ ✓		0.7930				
37								12/23/10 ma	19.1871						
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.22	34.20	0.881	1783731.56	3878.6953	3878.6953	97.0	10.0742	0.449	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.22	34.23	1.402	24506.72	39.2076	39.2076 JB		0.7932	1.141	1.040	NO	22-Dec-10
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.35	35.34	1.199	6734.37	12.5941	12.5941 J		0.9272	1.035	1.040	NO	22-Dec-10
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		72.6535	72.6535 ✓		0.8550				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.04	35.01	0.857	1729007.00	3862.3336	3862.3336	96.6	7.0573	1.075	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.05	35.05	0.981	5840.40	13.7721	13.7721 JB		0.9249	1.006	1.040	NO	
45	Total HpCDDs	423.7766	0.50000		-0.04	0.981		26.7732	26.7732 ✓		0.9249				
46															
47	13C-OCDD	469.7779	0.50000	37.51	37.44	0.643	2755073.25	8204.4241	8204.4241	102.6	12.2363	0.938	0.890	NO	
48	OCDF	441.7428	0.50000	37.61	37.61	1.477	58489.61	114.9839	114.9839 J		1.5460	0.925	0.890	NO	
49	OCDD	457.7377	0.50000	37.52	37.52	1.196	51754.49	125.6320	125.6320 JB		2.0201	0.873	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 PCDPE	375.8364	1.00000		20.25	17.814					0.0000				
58	F1 PeCDF PCDPE	409.79740	1.00000	19.22	19.31	97.109	40.06	0.4125		41.2	1.1217				
59	F2 PeCDF PCDPE	409.7974	1.00000		28.29	51.063					0.0000				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.26	34.27	39.173	3.18	0.0812		8.1	4.8707				
62	OCDF PCDPE	513.67750	1.00000		39.16	27.302					0.0000				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:20:13 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_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.40	8650.039	9.0106	9.0106	0.97151	0.5758	0.845	0.770	NO 58.307
	5 Total TCDFs	303.9016	16.12	1191.074	1.2407	1.2407	0.97151	0.5758	0.808	0.770	NO 9.424
	5 Total TCDFs	303.9016	15.95	1254.633	1.3069	1.1767	0.97151	0.5758	0.966	0.770	YES 7.359
	5 Total TCDFs	303.9016	15.60	5538.420	5.7693	5.7693	0.97151	0.5758	0.851	0.770	NO 50.890
	5 Total TCDFs	303.9016	20.11	2651.276	2.7618	2.7618	0.97151	0.5758	0.855	0.770	NO 15.286
	5 Total TCDFs	303.9016	18.60	1909.626	1.9892	1.9892	0.97151	0.5758	0.731	0.770	NO 10.666
	4 2,3,7,8-TCDF	303.9016	18.17	8643.045	9.0033	9.0033	0.97151	0.5758	0.781	0.770	NO 53.811
	5 Total TCDFs	303.9016	17.76	4233.109	4.4096	4.4096	0.97151	0.5758	0.822	0.770	NO 29.416
	5 Total TCDFs	303.9016	17.58	4703.181	4.8992	4.8992	0.97151	0.5758	0.821	0.770	NO 32.326
	5 Total TCDFs	303.9016	17.48	2912.533	3.0339	3.0339	0.97151	0.5758	0.799	0.770	NO 19.593
	5 Total TCDFs	303.9016	17.42	1202.078	1.2522	1.0762	0.97151	0.5758	0.597	0.770	YES 15.040
	5 Total TCDFs	303.9016	17.19	4694.159	4.8898	4.3242	0.97151	0.5758	0.625	0.770	YES 33.922
	5 Total TCDFs	303.9016	16.96	2451.149	2.5533	2.2724	0.97151	0.5758	0.632	0.770	YES 24.219
	5 Total TCDFs	303.9016	16.90	1960.680	2.0424	2.0424	0.97151	0.5758	0.840	0.770	NO 19.317
	5 Total TCDFs	303.9016	16.66	5582.200	5.8149	5.2426	0.97151	0.5758	0.963	0.770	YES 31.358
	5 Total TCDFs	303.9016	16.48	1620.407	1.6879	1.6879	0.97151	0.5758	0.826	0.770	NO 12.567
	5 Total TCDFs	303.9016	17.99	950.329	0.9899	0.9899	0.97151	0.5758	0.734	0.770	NO 6.530

Total TCDDs

	9 Total TCDDs	319.8965	20.05	1710.660	2.4550	2.4550	1.00877	0.7955	0.840	0.770	NO 7.215
	9 Total TCDDs	319.8965	19.28	1292.078	1.8543	1.6557	1.00877	0.7955	0.982	0.770	YES 4.649
	9 Total TCDDs	319.8965	19.08	682.466	0.9794	0.8188	1.00877	0.7955	0.572	0.770	YES 4.579
	8 2,3,7,8-TCDD	319.8965	18.93	1879.885	2.6979	1.4220	1.00877	0.7955	0.298	0.770	YES 12.563
	9 Total TCDDs	319.8965	18.79	512.571	0.7356	~~0.5215~~	1.00877	0.7955	1.497	0.770	YES 3.517
	9 Total TCDDs	319.8965	18.72	1071.301	1.5375	1.2091	1.00877	0.7955	1.251	0.770	YES 4.992
	9 Total TCDDs	319.8965	18.04	1097.256	1.5747	1.5747	1.00877	0.7955	0.728	0.770	NO 7.348
	9 Total TCDDs	319.8965	17.70	724.876	1.0403	1.0403	1.00877	0.7955	0.745	0.770	NO 4.168
	9 Total TCDDs	319.8965	16.87	1013.499	1.4545	1.4545	1.00877	0.7955	0.754	0.770	NO 5.265
	9 Total TCDDs	319.8965	16.56	2555.028	3.6668	3.6668	1.00877	0.7955	0.660	0.770	NO 17.306

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
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Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

Total F2 PeCDFs

1. Total F2 PeCD...	339.8597	23.38	1960.102	2.4181	2.4181	1.04877	1.1155	1.365	1.550	NO 6.632
1. Total F2 PeCD...	339.8597	23.01	4128.695	5.0935	5.0935	1.04877	1.1155	1.438	1.550	NO 10.987
1. Total F2 PeCD...	339.8597	22.89	1639.228	2.0223	1.6695	1.04877	1.1155	1.007	1.550	YES 5.220
1. Total F2 PeCD...	339.8597	22.59	1215.362	1.4994	~~1.0689~~	1.04877	1.1155	0.765	1.550	YES 4.407
1. Total F2 PeCD...	339.8597	22.33	2068.614	2.5520	2.3781	1.04877	1.1155	1.306	1.550	YES 5.836
1. Total F2 PeCD...	339.8597	22.06	11891.853	14.6706	14.6706	1.04877	1.1155	1.701	1.550	NO 27.433
1. Total F2 PeCD...	339.8597	21.84	2829.267	3.4904	3.4904	1.04877	1.1155	1.664	1.550	NO 8.152
1. Total F2 PeCD...	339.8597	25.21	2916.897	3.5985	3.1493	1.04877	1.1155	1.137	1.550	YES 6.328
1. 2,3,4,7,8-PeCDF	339.8597	24.94	3996.356	5.0277	4.4704	1.02843	1.1375	1.176	1.550	YES 10.364
1. Total F2 PeCD...	339.8597	24.05	2971.943	3.6664	3.3540	1.04877	1.1155	1.253	1.550	YES 7.191
1. 1,2,3,7,8-PeCDF	339.8597	23.52	5691.038	6.8873	6.8873	1.06912	1.0942	1.642	1.550	NO 15.851

Total F1 PeCDFs

1. Total F1 PeCD...	339.8597	20.41	6875.460	8.4821	8.4821	1.04877	0.7060	1.555	1.550	NO 32.599

Total PeCDDs

2. Total PeCDDs	355.8546	23.53	1228.398	2.4201	2.4201	0.88408	1.5225	1.490	1.550	NO 3.891
2. Total PeCDDs	355.8546	22.26	2372.675	4.6744	4.6744	0.88408	1.5225	1.373	1.550	NO 8.738
2. 1,2,3,7,8-PeC...	355.8546	25.67	1388.347	2.7352	2.7352	0.88408	1.5225	1.364	1.550	NO 4.424
2. Total PeCDDs	355.8546	24.16	1216.399	2.3964	2.1340	0.88408	1.5225	1.864	1.550	YES 6.178
2. Total PeCDDs	355.8546	26.82	917.924	1.8084	~~1.1641~~	0.88408	1.5225	2.961	1.550	YES 3.289
2. Total PeCDDs	355.8546	26.76	969.315	1.9096	~~1.1192~~	0.88408	1.5225	0.553	1.550	YES 5.249

2.28

Total HxCDFs

3. Total HxCDFs	373.8208	29.88	9239.211	13.5887	13.5887	1.23262	0.7975	1.249	1.240	NO 28.831
3. Total HxCDFs	373.8208	29.55	2562.477	3.7688	3.7688	1.23262	0.7975	1.243	1.240	NO 14.665
3. Total HxCDFs	373.8208	29.47	2995.062	4.4050	3.6921	1.23262	0.7975	1.673	1.240	YES 13.348
3. Total HxCDFs	373.8208	32.93	2899.207	4.2640	3.8300	1.23262	0.7975	0.989	1.240	YES 17.287
2. 1,2,3,7,8,9-Hx...	373.8208	32.88	1523.573	2.5617	2.3604	1.07822	0.9117	1.431	1.240	YES 10.134
2. 2,3,4,6,7,8-Hx...	373.8208	32.14	2499.274	3.6614	3.6614	1.23749	0.7944	1.375	1.240	NO 13.220
3. Total HxCDFs	373.8208	32.09	926.227	1.3623	1.3623	1.23262	0.7975	1.056	1.240	NO 8.080
3. Total HxCDFs	373.8208	31.88	1759.207	2.5874	2.5874	1.23262	0.7975	1.190	1.240	NO 6.556
3. Total HxCDFs	373.8208	31.63	1762.594	2.5924	2.5924	1.23262	0.7975	1.395	1.240	NO 7.304
2. 1,2,3,6,7,8-Hx...	373.8208	31.49	6463.834	8.3926	8.3926	1.39626	0.7040	1.245	1.240	NO 33.200
2. 1,2,3,4,7,8-Hx...	373.8208	31.36	7826.760	11.6446	11.6446	1.21851	0.8067	1.247	1.240	NO 37.784
3. Total HxCDFs	373.8208	31.31	1797.070	2.6431	2.6431	1.23262	0.7975	1.187	1.240	NO 21.900

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

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:20:13 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

Total HxCDDs

	3. Total HxCDDs	389.8157	31.39	1911.084	3.5177	2.7199	1.08365	0.7930	1.897	1.240	YES 8.108
	3. Total HxCDDs	389.8157	30.68	2291.841	4.2186	4.2186	1.08365	0.7930	1.381	1.240	NO 12.002
	3. 1,2,3,7,8,9-Hx...	389.8157	32.65	2757.909	4.9437	4.9437	1.11276	0.7723	1.414	1.240	NO 15.503
	3. 1,2,3,6,7,8-Hx...	389.8157	32.41	1563.708	2.8087	2.5909	1.11052	0.7739	1.043	1.240	YES 13.013
	3. 1,2,3,4,7,8-Hx...	389.8157	32.30	952.871	1.8495	1.8495	1.02768	0.8362	1.422	1.240	NO 7.531
	3. Total HxCDDs	389.8157	31.69	1293.787	2.3815	2.3815	1.08365	0.7930	1.213	1.240	NO 9.867

Total HpCDFs

	4. 1,2,3,4,7,8,9-H...	407.7818	35.35	6734.366	12.5941	12.5941	1.19912	0.9272	1.035	1.040	NO 41.521
	4. Total HpCDFs	407.7818	34.54	7625.478	13.1499	13.1499	1.30039	0.8550	1.015	1.040	NO 52.907
	4. Total HpCDFs	407.7818	34.42	4466.261	7.7019	7.7019	1.30039	0.8550	1.163	1.040	NO 32.416
	3. 1,2,3,4,6,7,8-H...	407.7818	34.22	24506.722	39.2076	39.2076	1.40167	0.7932	1.141	1.040	NO 172.825

Total HpCDDs

	4. 1,2,3,4,6,7,8-H...	423.7766	35.05	5840.398	13.7721	13.7721	0.98108	0.9249	1.006	1.040	NO 68.747
	4. Total HpCDDs	423.7766	34.47	5513.455	13.0011	13.0011	0.98108	0.9249	1.062	1.040	NO 65.477

G0L170472

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:23 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_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382, Task:

#	Name	Trace	Sample Size	RT	Rrd 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	18.70	1.00000	3298846.63	4000.0000	4000.0000	100.0	2.09115	0.77	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993	3952561.75	3603.6800	3603.6800	90.1	1.87583	0.79	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.16	0.97151	8643.05	9.0033	9.0033		0.57576	0.78	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.97151		61.2682	57.5299		0.57576			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.89	0.88993	2762983.88	3764.6324	3764.6324	94.1	2.34980	0.75	NO	
8	2,3,7,8-TCDD	319.8965	0.500	18.93	18.91	1.00877	1833.32	2.6311	1.2684		0.79551	0.27	YES	
9	Total TCDDs	319.8965	0.500		19.55	1.00877		17.0061	14.3864		0.79551			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.89	0.64940	766221.06	1708.1277	0.0000	106.8	1.45772			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.49	23.53	0.97070	3091573.88	3861.8162	3861.8162	96.5	3.17556	1.59	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.52	1.06912	5691.04	6.8873	6.8873		1.09423	1.64	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.94	24.94	1.02843	3832.86	4.8220	4.4704		1.13752	1.29	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877		44.5889	40.0118		1.11546			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877		8.4821	8.4821		0.70595			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.67	25.74	0.71523	2296575.56	3893.4542	3893.4542	97.3	2.40641	1.54	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		25.70	0.88408					1.52249		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408		8.5185	5.5466		1.52249			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.00000	2088439.25	4000.0000	4000.0000	100.0	3.27244	1.20	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.08439	2206421.00	3897.0840	3897.0840	97.4	5.08592	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.21851	9493.65	14.1246	14.1246		0.80673	1.27	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.49	31.50	1.39626	6146.36	7.9804	7.9804		0.70403	1.40	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.14	32.14	1.23749	2696.15	3.9498	3.4538		0.79436	1.56	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.88	32.85	1.07822	1319.36	2.2183	1.6800		0.91170	1.96	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262		51.3385	47.6143		0.79749			
31														

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:23 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.89448		2005339.38	4293.9172	4293.9172	107.3	3.65847	1.27	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.30	32.32	~~1.02768~~ 0.815		911.49	1.7692	1.6311		0.83624	1.43	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.41	32.40	1.11052		1528.40	2.7452	2.4763		0.77385	1.00	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.65	32.69	1.11276		2757.91	4.9437	4.9437		0.77230	1.41	NO	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365			17.4471	14.0787		0.79304			
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.88081		1783731.56	3878.6953	3878.6953	97.0	10.07418	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.22	34.23	1.40167		25281.00	40.4464	37.3485		0.79319	1.21	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.35	35.34	1.19912		6002.94	11.2262	11.2262		0.92718	1.02	NO	
41	Total HpCDFs	407.7818	0.500		0.00	1.30039			72.5244	69.4265		0.85497			
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	35.01	0.85740		1729007.00	3862.3336	3862.3336	96.6	7.05733	1.07	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.05	0.98108		5840.40	13.7721	13.7721		0.92488	1.01	NO	
45	Total HpCDDs	423.7766	0.500		-0.04	0.98108			26.7732	26.7732		0.92488			
46															
47	13C-OCDD	469.7779	0.500	37.50	37.44	0.64317		2755073.25	8204.4241	8204.4241	102.6	12.23630	0.94	NO	
48	OCDF	441.7428	0.500	37.61	37.61	1.47706		58489.61	114.9839	114.9839		1.54596	0.92	NO	
49	OCDD	457.7377	0.500	37.52	37.52	1.19620		51754.49	125.6320	125.6320		2.02011	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 PCDPE	375.8364	1.000		20.25	17.814...						0.00000			
58	F1 PeCDF PCDPE	409.79740	1.000	19.22	19.31	97.109...		40.06	0.4125		41.2	1.12175			
59	F2 PeCDF PCDPE	409.7974	1.000		28.29	51.062...						0.00000			
60	HXCDF PCDPE	445.7555	1.000		33.24	21.190...						0.00000			
61	HPCDF PCDPE	479.7165	1.000	34.26	34.27	39.173...		3.18	0.0812		8.1	4.87075			
62	OCDF PCDPE	513.67750	1.000		39.16	27.302...						0.00000			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:23 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_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382, Task:

Total TCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	... S/N
1	5	Total TCDFs	303.9016	16.40	8650.039	9.0106	9.0106	0.97151	0.5758	0.845	0.770	NO	58.307
2	5	Total TCDFs	303.9016	16.12	1191.074	1.2407	1.2407	0.97151	0.5758	0.808	0.770	NO	9.424
3	5	Total TCDFs	303.9016	15.95	1254.633	1.3069	1.1767	0.97151	0.5758	0.966	0.770	YES	7.359
4	5	Total TCDFs	303.9016	15.60	5538.420	5.7693	5.7693	0.97151	0.5758	0.852	0.770	NO	50.890
5	5	Total TCDFs	303.9016	20.11	2651.276	2.7618	2.7618	0.97151	0.5758	0.855	0.770	NO	15.286
6	5	Total TCDFs	303.9016	19.28	303.969	~~0.3166~~	~~0.2504~~	0.97151	0.5758	0.524	0.770	YES	4.930
7	5	Total TCDFs	303.9016	18.60	1909.626	1.9892	1.9892	0.97151	0.5758	0.731	0.770	NO	10.666
8	4	2,3,7,8-TCDF	303.9016	18.17	8643.045	9.0033	9.0033	0.97151	0.5758	0.781	0.770	NO	53.811
9	5	Total TCDFs	303.9016	17.76	3923.378	4.0869	3.7825	0.97151	0.5758	0.912	0.770	YES	28.181
10	5	Total TCDFs	303.9016	17.58	4703.181	4.8992	4.8992	0.97151	0.5758	0.821	0.770	NO	32.326
11	5	Total TCDFs	303.9016	17.48	2298.514	2.3943	1.8524	0.97151	0.5758	1.288	0.770	YES	19.071
12	5	Total TCDFs	303.9016	17.42	1732.396	1.8046	1.0762	0.97151	0.5758	0.350	0.770	YES	18.210
13	5	Total TCDFs	303.9016	17.19	4568.856	4.7593	4.0241	0.97151	0.5758	0.582	0.770	YES	33.922
14	5	Total TCDFs	303.9016	16.96	2505.311	2.6097	2.2724	0.97151	0.5758	0.610	0.770	YES	24.264
15	5	Total TCDFs	303.9016	16.90	2016.164	2.1002	1.9645	0.97151	0.5758	0.892	0.770	YES	19.317
16	5	Total TCDFs	303.9016	16.66	5349.663	5.5726	4.8138	0.97151	0.5758	1.049	0.770	YES	30.020
17	5	Total TCDFs	303.9016	16.48	1577.090	1.6428	1.6428	0.97151	0.5758	0.868	0.770	NO	12.209

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	... S/N
1	9	Total TCDDs	319.8965	20.05	1420.462	2.0385	1.7489	1.00877	0.7955	0.595	0.770	YES	7.075
2	9	Total TCDDs	319.8965	19.28	1292.078	1.8543	1.6557	1.00877	0.7955	0.982	0.770	YES	4.649
3	9	Total TCDDs	319.8965	19.08	682.466	0.9794	0.8188	1.00877	0.7955	0.572	0.770	YES	4.579
4	8	2,3,7,8-TCDD	319.8965	18.93	1833.325	2.6311	1.2684	1.00877	0.7955	0.265	0.770	YES	12.563
5	9	Total TCDDs	319.8965	18.79	459.875	0.6600	0.5215	1.00877	0.7955	1.240	0.770	YES	3.517
6	9	Total TCDDs	319.8965	18.72	943.338	1.3538	1.2091	1.00877	0.7955	0.982	0.770	YES	4.992
7	9	Total TCDDs	319.8965	18.04	858.733	1.2324	1.2324	1.00877	0.7955	0.657	0.770	NO	6.861
8	9	Total TCDDs	319.8965	17.70	562.410	0.8071	0.6641	1.00877	0.7955	0.557	0.770	YES	3.945
9	9	Total TCDDs	319.8965	17.11	228.682	~~0.3282~~	~~0.1462~~	1.00877	0.7955	0.240	0.770	YES	2.413
10	9	Total TCDDs	319.8965	16.87	1013.499	1.4545	1.4545	1.00877	0.7955	0.754	0.770	NO	5.265
11	9	Total TCDDs	319.8965	16.56	2555.028	3.6668	3.6668	1.00877	0.7955	0.660	0.770	NO	17.306

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:23 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382, Task:

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (a	Ratio	S/N
1	...	Total F2 PeCD...	339.8597	23.38	1373.946	1.6950	0.7637	1.04877	1.1155	4.660	1.550	YES	5.414
2	...	Total F2 PeCD...	339.8597	23.01	3115.885	3.8440	2.1415	1.04877	1.1155	3.577	1.550	YES	9.493
3	...	Total F2 PeCD...	339.8597	22.89	1393.639	1.7193	1.4722	1.04877	1.1155	1.085	1.550	YES	4.536
4	...	Total F2 PeCD...	339.8597	22.59	803.562	0.9913	0.9913	1.04877	1.1155	1.773	1.550	NO	3.479
5	...	Total F2 PeCD...	339.8597	22.33	1949.873	2.4055	2.4055	1.04877	1.1155	1.506	1.550	NO	5.535
6	...	Total F2 PeCD...	339.8597	22.06	11891.853	14.6706	14.6706	1.04877	1.1155	1.701	1.550	NO	27.433
7	...	Total F2 PeCD...	339.8597	21.84	2829.267	3.4904	3.4904	1.04877	1.1155	1.664	1.550	NO	8.152
8	...	Total F2 PeCD...	339.8597	25.21	1278.211	1.5769	1.5769	1.04877	1.1155	1.479	1.550	NO	4.599
9	...	2,3,4,7,8-PeCDF	339.8597	24.94	3832.857	4.8220	4.4704	1.02843	1.1375	1.291	1.550	YES	9.940
10	...	Total F2 PeCD...	339.8597	24.05	2015.553	2.4865	1.1420	1.04877	1.1155	4.552	1.550	YES	5.482
11	...	1,2,3,7,8-PeCDF	339.8597	23.52	5691.038	6.8873	6.8873	1.06912	1.0942	1.642	1.550	NO	15.851

Total F1 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (a	Ratio	S/N
1	...	Total F1 PeCD...	339.8597	20.41	6875.460	8.4821	8.4821	1.04877	0.7060	1.555	1.550	NO	32.599

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (a	Ratio	S/N
1	...	Total PeCDDs	355.8546	23.53	381.691	0.7520	0.5741	0.88408	1.5225	2.340	1.550	YES	2.956
2	...	Total PeCDDs	355.8546	22.30	1273.392	2.5087	1.2282	0.88408	1.5225	0.424	1.550	YES	8.304
3	...	Total PeCDDs	355.8546	25.05	113.750	0.2241	0.1813	0.88408	1.5225	0.967	1.550	YES	1.634
4	...	Total PeCDDs	355.8546	24.85	108.143	0.2131	0.2131	0.88408	1.5225	1.601	1.550	NO	1.417
5	...	Total PeCDDs	355.8546	24.30	41.427	0.0816	0.0214	0.88408	1.5225	8.713	1.550	YES	0.320
6	...	Total PeCDDs	355.8546	24.16	674.668	1.3292	0.9884	0.88408	1.5225	2.429	1.550	YES	4.208
7	...	Total PeCDDs	355.8546	24.10	319.665	0.6298	0.2763	0.88408	1.5225	4.812	1.550	YES	1.422
8	...	Total PeCDDs	355.8546	27.80	166.372	0.3278	0.3278	0.88408	1.5225	1.338	1.550	NO	1.726
9	...	Total PeCDDs	355.8546	26.82	485.297	0.9561	0.7833	0.88408	1.5225	2.112	1.550	YES	3.245
10	...	Total PeCDDs	355.8546	26.76	759.515	1.4963	0.9527	0.88408	1.5225	0.631	1.550	YES	5.245

Total HxCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (a	Ratio	S/N
1	...	Total HxCDFs	373.8208	29.88	7659.799	11.2657	9.7450	1.23262	0.7975	0.919	1.240	YES	28.541
2	...	Total HxCDFs	373.8208	29.55	2118.544	3.1159	3.1159	1.23262	0.7975	1.324	1.240	NO	13.736
3	...	Total HxCDFs	373.8208	29.49	1788.676	2.6307	2.6307	1.23262	0.7975	1.073	1.240	NO	12.634
4	...	Total HxCDFs	373.8208	32.93	2799.512	4.1174	3.4732	1.23262	0.7975	0.876	1.240	YES	16.815
5	...	1,2,3,7,8,9-Hx...	373.8208	32.88	1319.356	2.2183	1.6800	1.07822	0.9117	1.958	1.240	YES	8.516
6	...	2,3,4,6,7,8-Hx...	373.8208	32.14	2696.153	3.9498	3.4538	1.23749	0.7944	1.562	1.240	YES	13.220
7	...	Total HxCDFs	373.8208	32.05	654.842	0.9631	0.5429	1.23262	0.7975	0.454	1.240	YES	8.080
8	...	1,2,3,6,7,8-Hx...	373.8208	31.49	6146.365	7.9804	7.9804	1.39626	0.7040	1.399	1.240	NO	31.393
9	...	1,2,3,4,7,8-Hx...	373.8208	31.36	9493.646	14.1246	14.1246	1.21851	0.8067	1.268	1.240	NO	37.212
10	...	Total HxCDFs	373.8208	30.51	242.677	0.3569	0.3569	1.23262	0.7975	1.292	1.240	NO	2.559
11	...	Total HxCDFs	373.8208	30.47	418.642	0.6157	0.5110	1.23262	0.7975	1.699	1.240	YES	3.333

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:23 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382, Task:

	#	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	31.39	1144.102	2.1059	1.3676	1.08365	0.7930	2.449	1.240	YES	6.873
2	...	Total HxCDDs	389.8157	30.68	1785.034	3.2857	1.8785	1.08365	0.7930	2.918	1.240	YES	11.302
3	...	1,2,3,7,8,9-Hx...	389.8157	32.65	2757.909	4.9437	4.9437	1.11276	0.7723	1.414	1.240	NO	15.503
4	...	1,2,3,6,7,8-Hx...	389.8157	32.41	1528.399	2.7452	2.4763	1.11052	0.7739	0.997	1.240	YES	13.013
5	...	1,2,3,4,7,8-Hx...	389.8157	32.30	911.494	1.7692	1.6311	1.02768	0.8362	1.430	1.240	YES	7.292
6	...	Total HxCDDs	389.8157	32.14	423.622	~~0.7798~~	~~0.4817~~	1.08365	0.7930	2.626	1.240	YES	3.166
7	...	Total HxCDDs	389.8157	31.69	987.462	1.8176	1.2997	1.08365	0.7930	0.655	1.240	YES	9.765

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

Total HpCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	1,2,3,4,7,8,9-H...	407.7818	35.35	6002.935	11.2262	11.2262	1.19912	0.9272	1.023	1.040	NO	41.587
2	...	Total HpCDFs	407.7818	34.54	7625.478	13.1499	13.1499	1.30039	0.8550	1.015	1.040	NO	52.907
3	...	Total HpCDFs	407.7818	34.42	4466.261	7.7019	7.7019	1.30039	0.8550	1.163	1.040	NO	32.416
4	...	1,2,3,4,6,7,8-H...	407.7818	34.22	25281.004	40.4464	37.3485	1.40167	0.7932	1.209	1.040	YES	172.825

Total HpCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	1,2,3,4,6,7,8-H...	423.7766	35.05	5840.398	13.7721	13.7721	0.98108	0.9249	1.006	1.040	NO	68.747
2	...	Total HpCDDs	423.7766	34.47	5513.455	13.0011	13.0011	0.98108	0.9249	1.062	1.040	NO	65.477

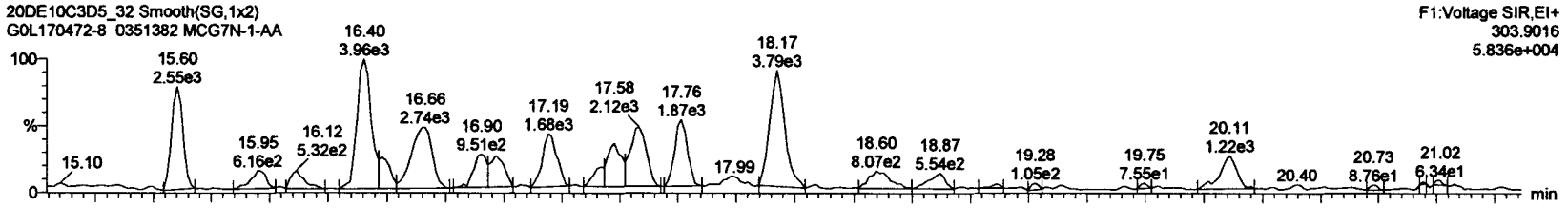
Quantify Sample Report **MassLynx 4.1**

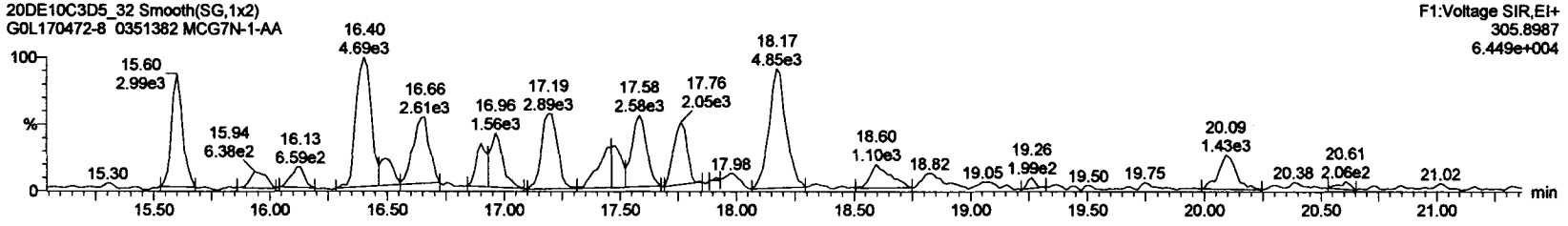
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

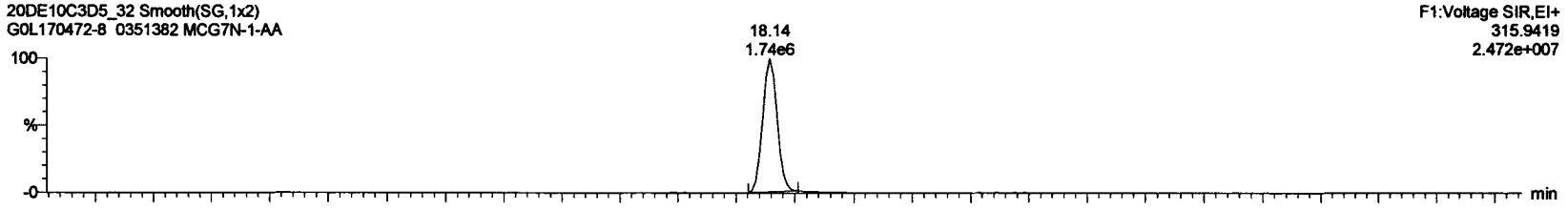
Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

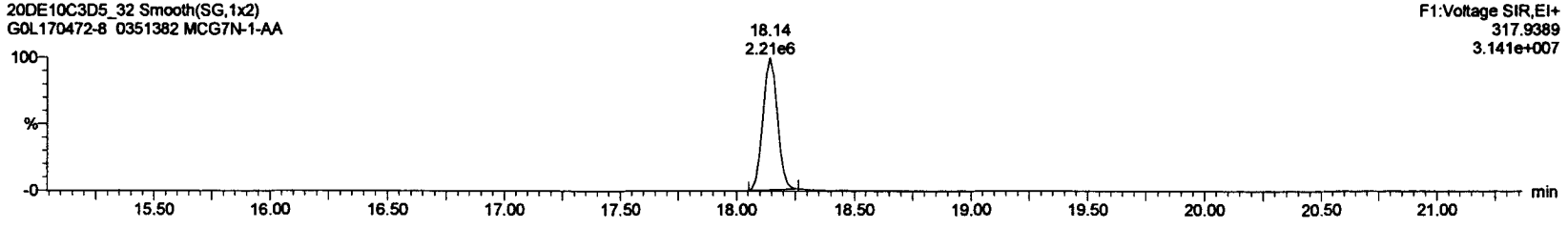
TCDFs





13C-TCDF





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 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

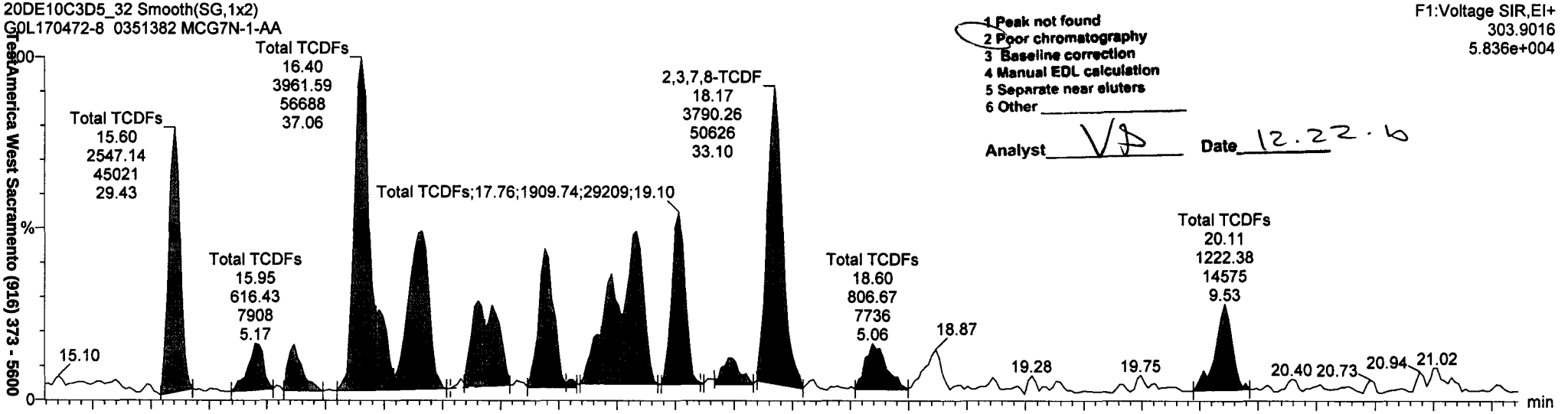
Compound Name: Total TCDFs, Chrom. Trace: 303.9016

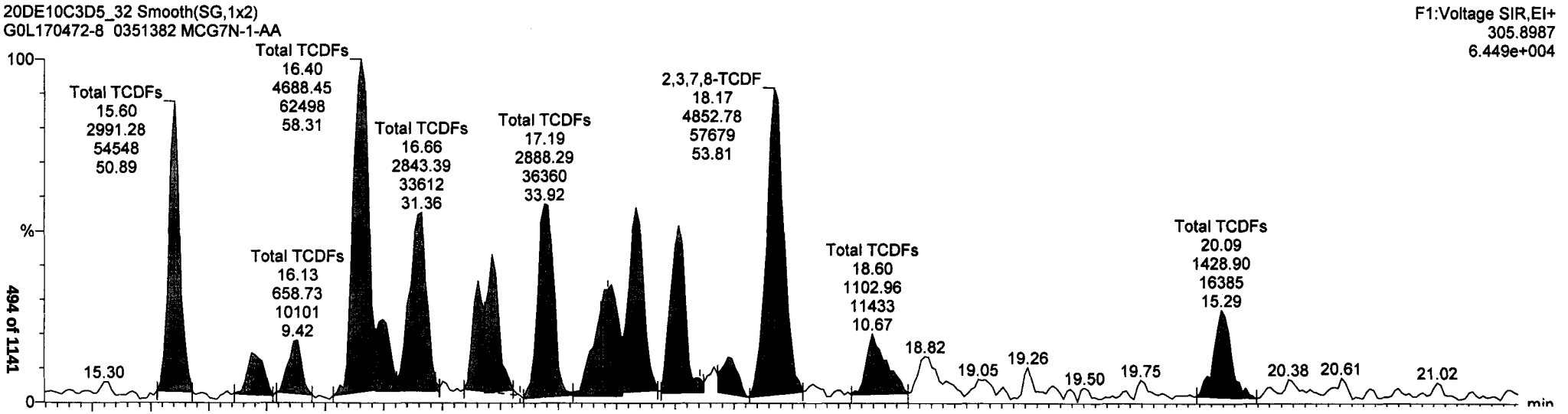
Sample Name: 20DE10C3D5_32

Manual Edit Codes

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

Analyst VD Date 12.22.10





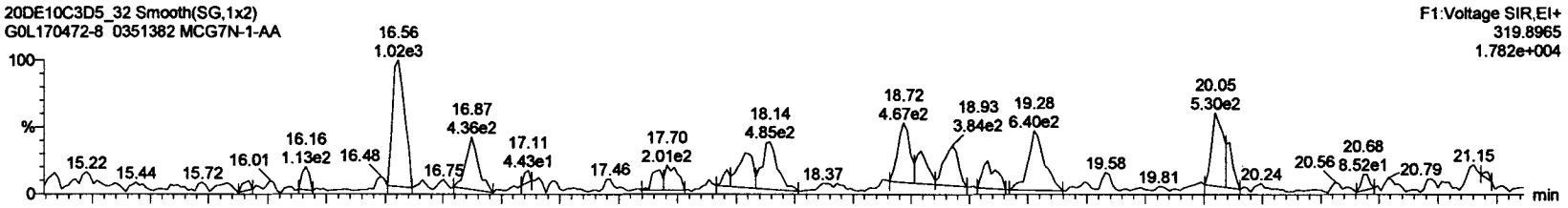
Quantify Sample Report **MassLynx 4.1**

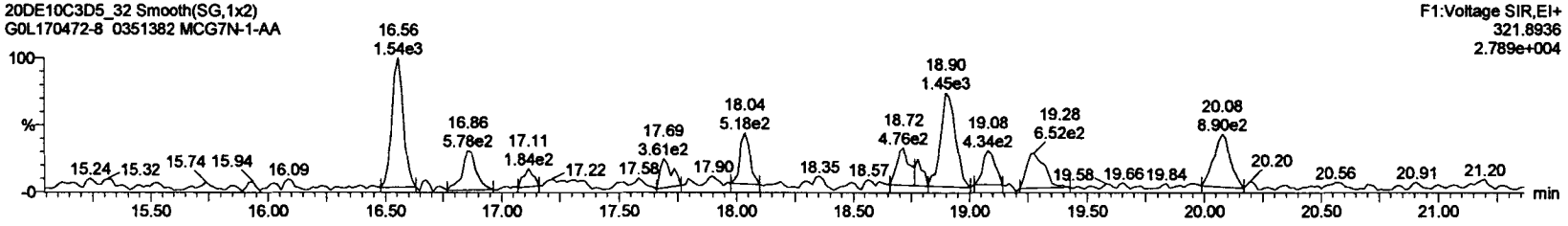
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

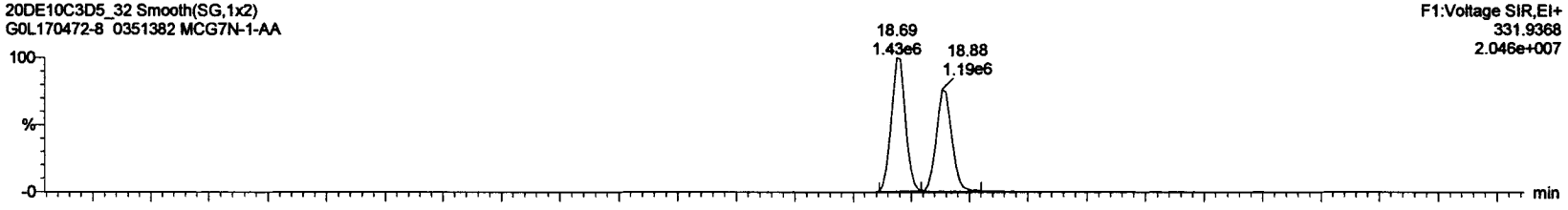
Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

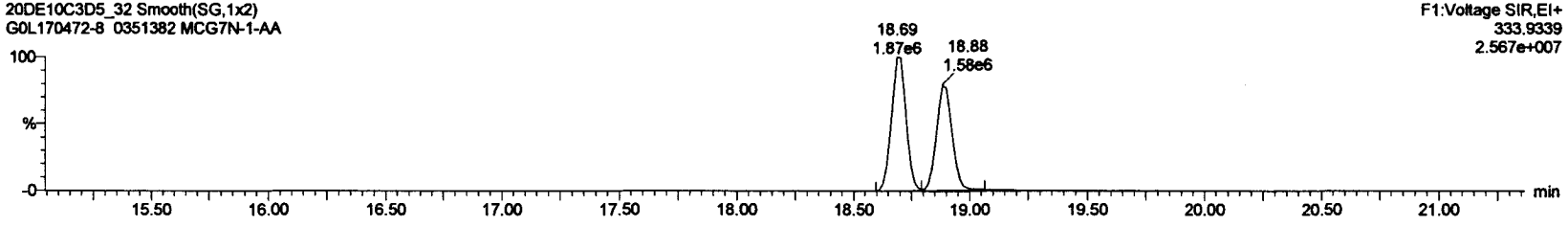
TCDDs





13C-TCDDs





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 2,3,7,8-TCDD, Chrom. Trace: 319.8965

Manual Edit Codes

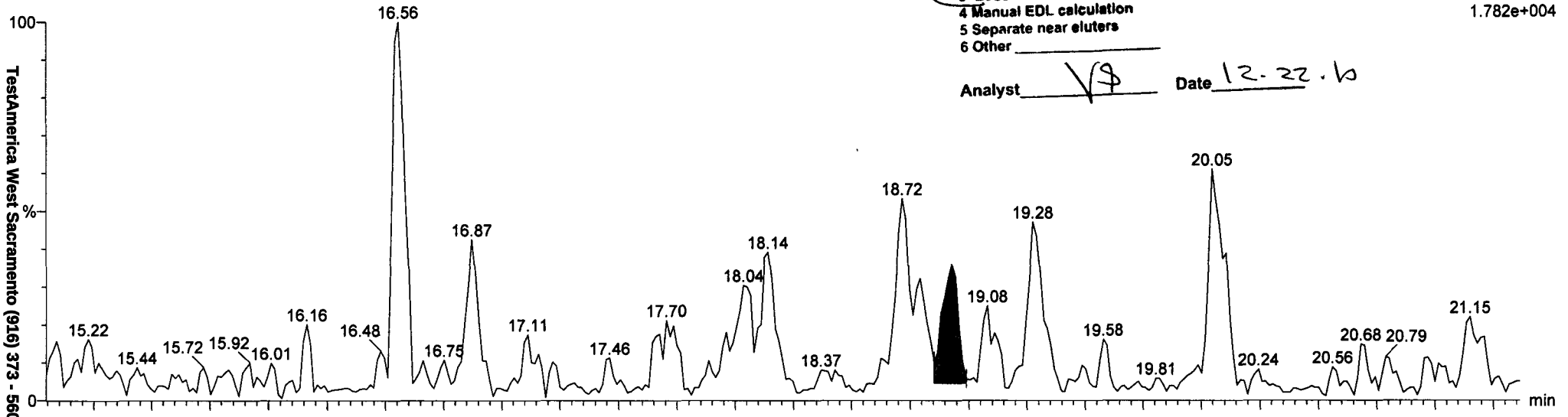
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VB Date 12.22.10

Sample Name: 20DE10C3D5_32

20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

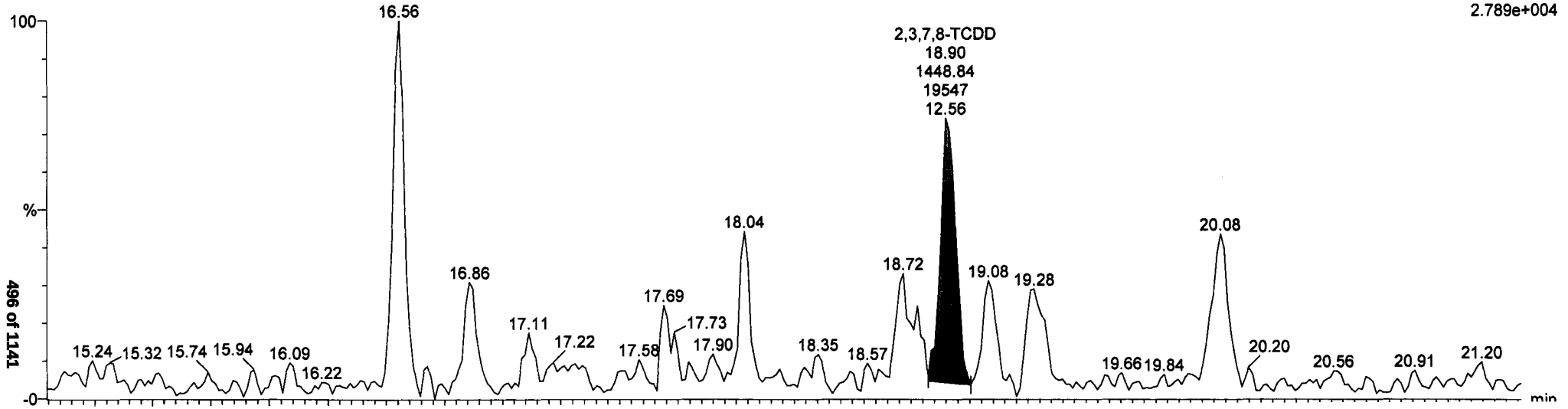
F1:Voltage SIR,EI+
319.8965
1.782e+004



TestAmerica West Sacramento (916) 373 - 5600

20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F1:Voltage SIR,EI+
321.8936
2.789e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: Total TCDDs, Chrom. Trace: 319.8965

Manual Edit Codes

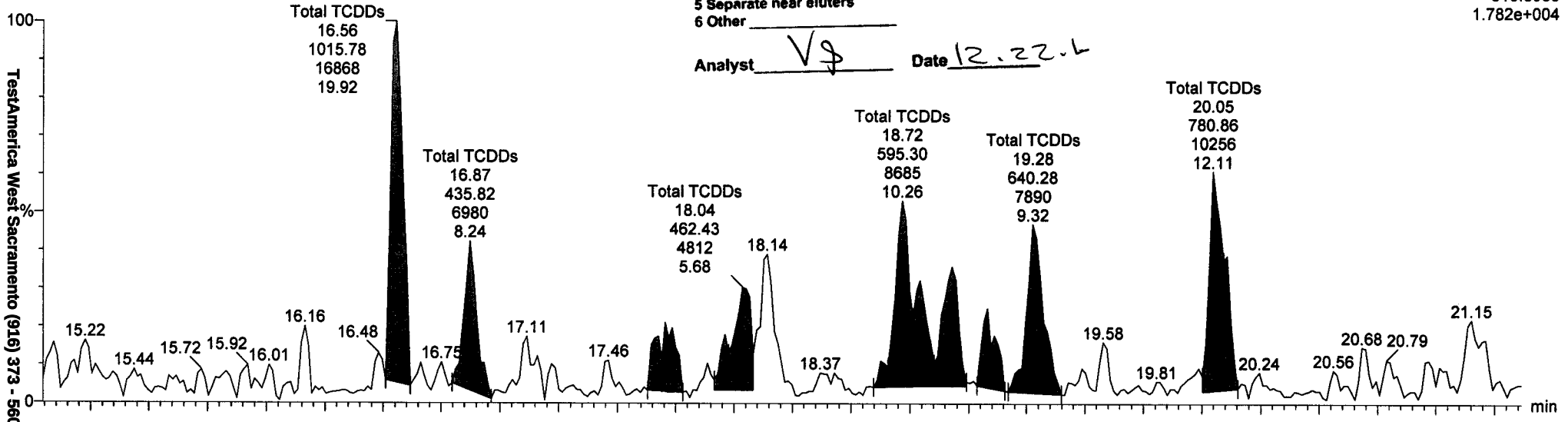
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VS Date 12.22.10

Sample Name: 20DE10C3D5_32

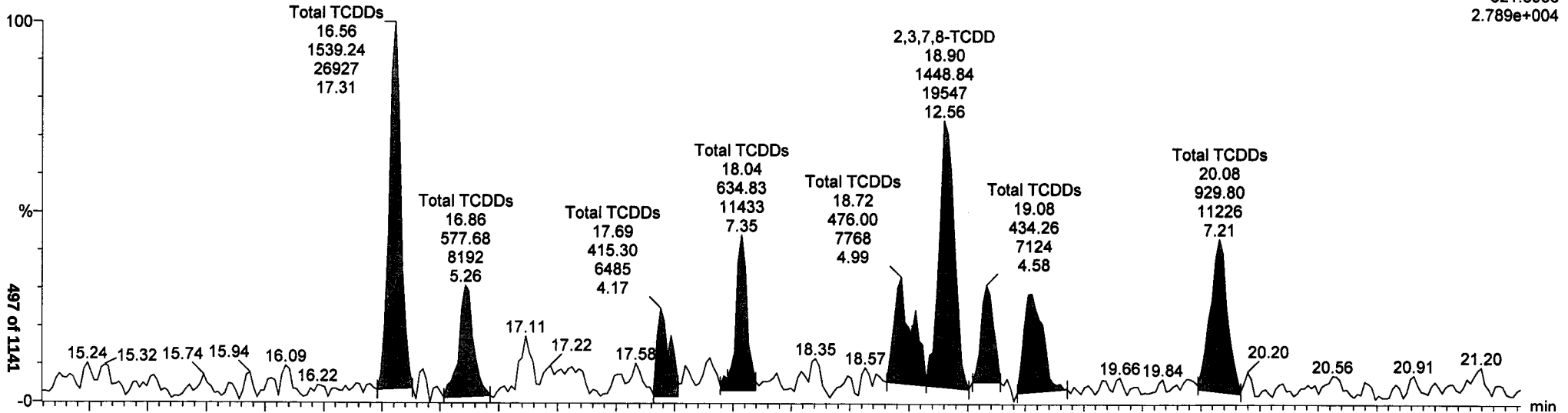
20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F1:Voltage SIR,EI+
319.8965
1.782e+004



20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F1:Voltage SIR,EI+
321.8936
2.789e+004



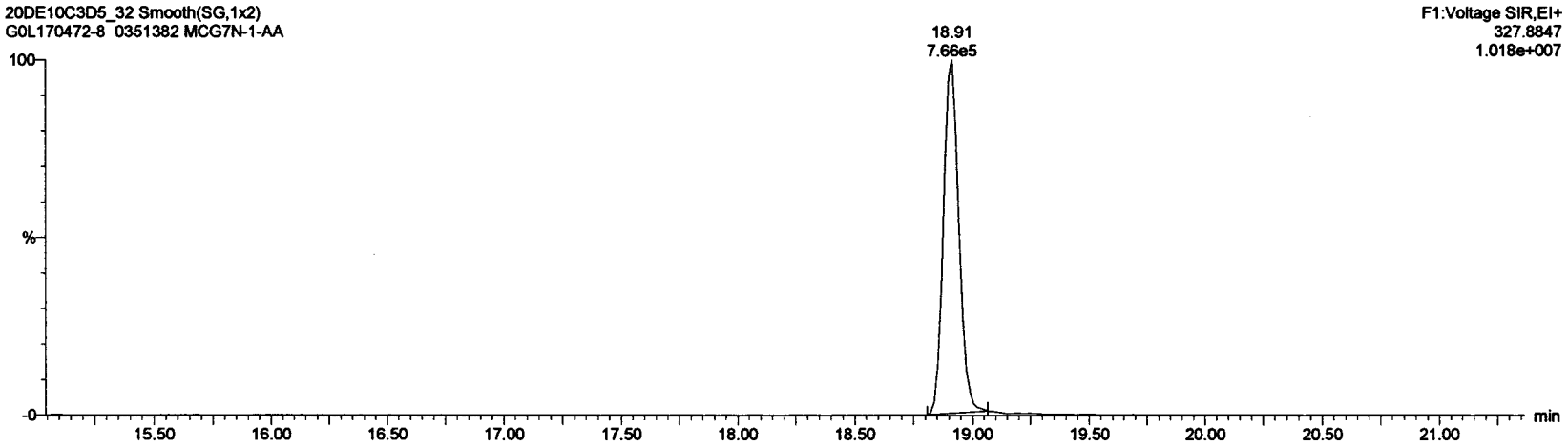
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

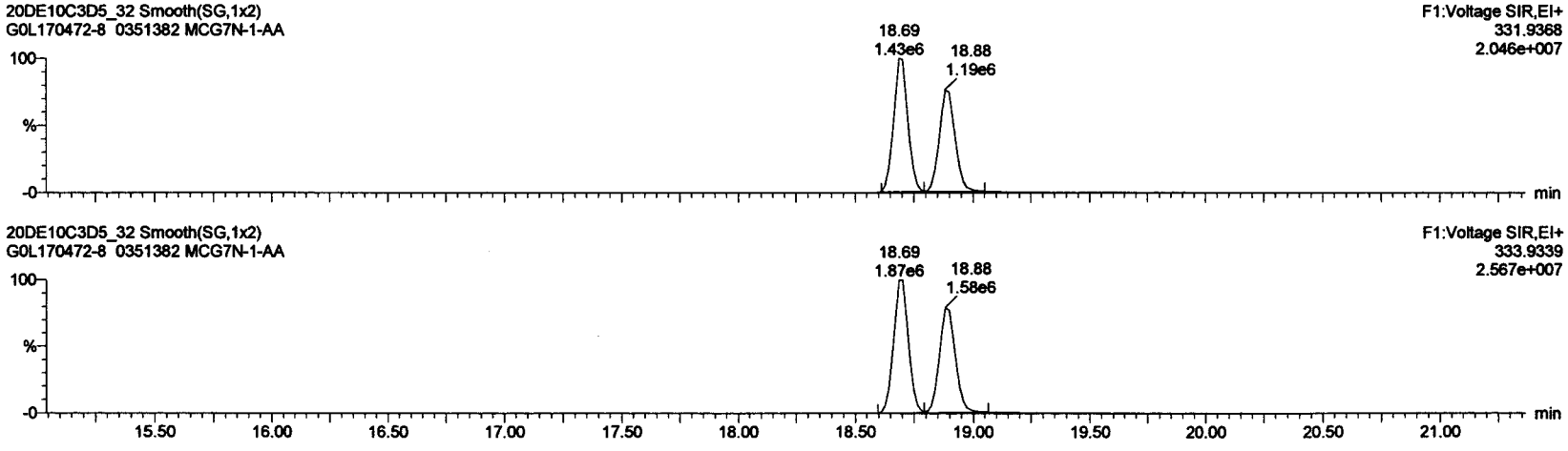
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

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



13C-TCDDs



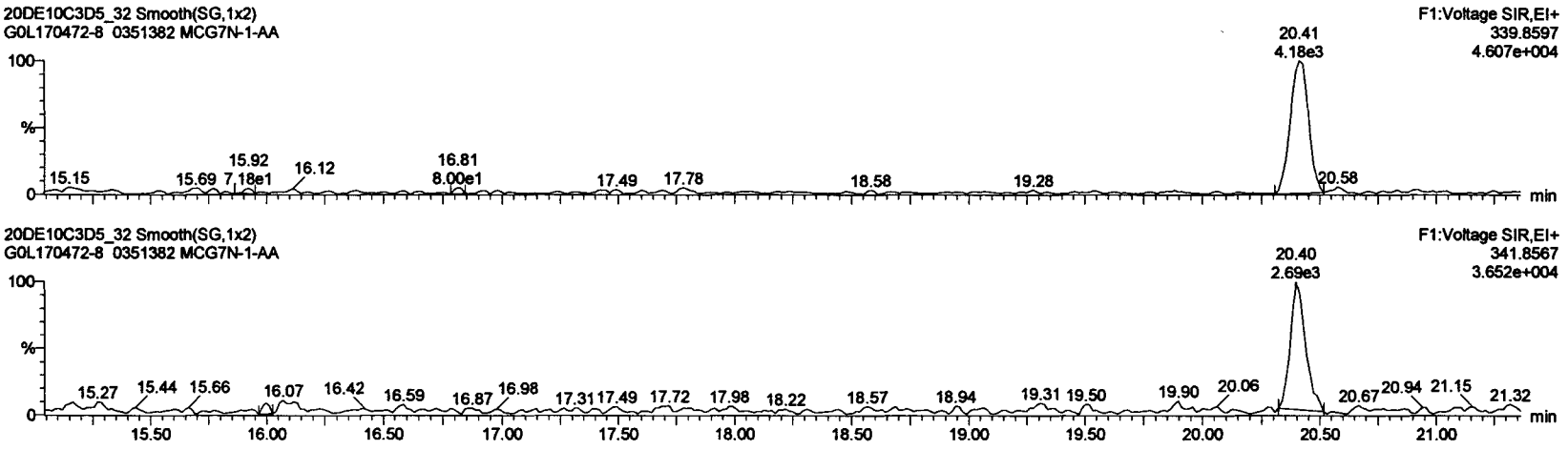
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

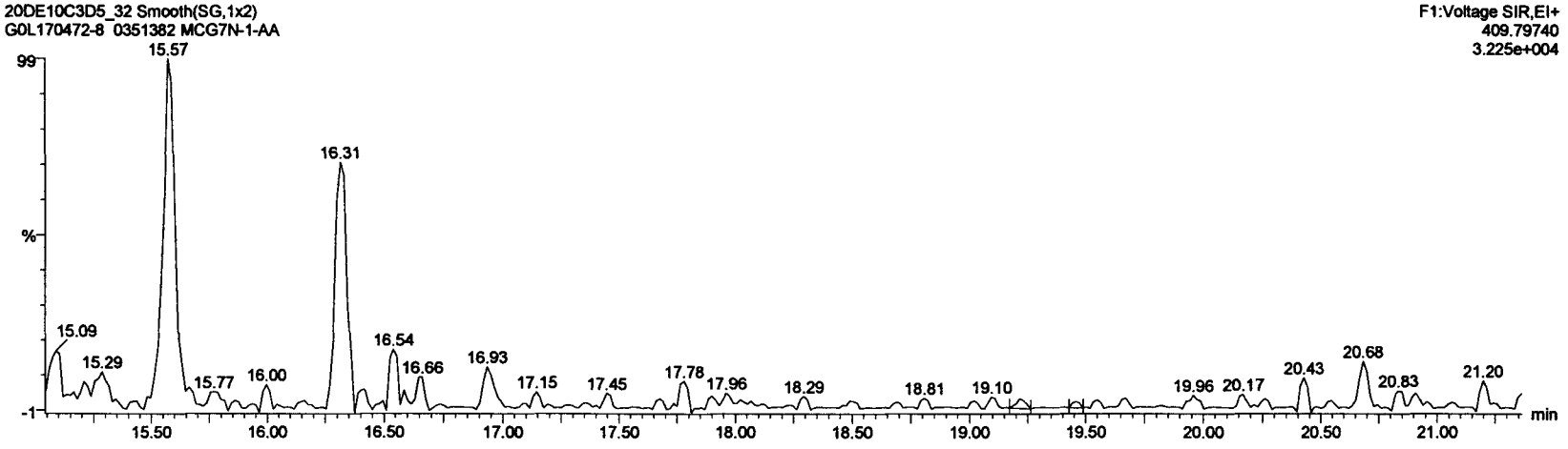
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

F1 PeCDFs



F1 PeCDF PCDPE



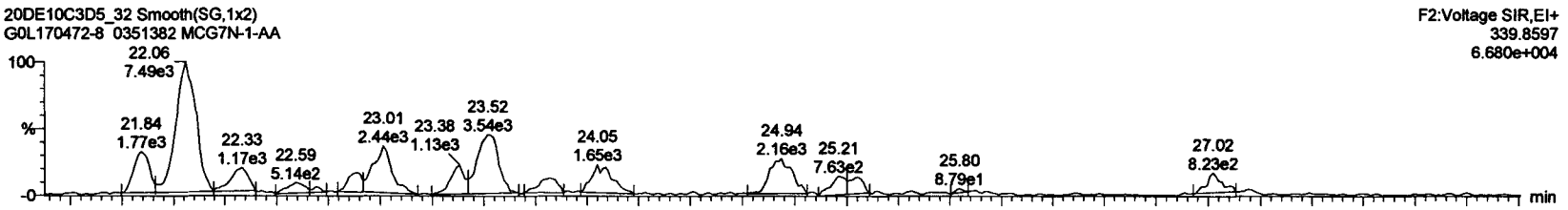
Quantify Sample Report **MassLynx 4.1**

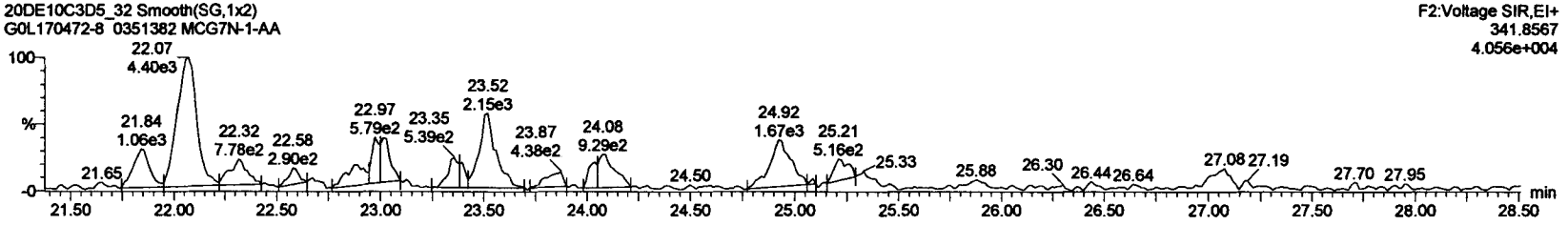
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

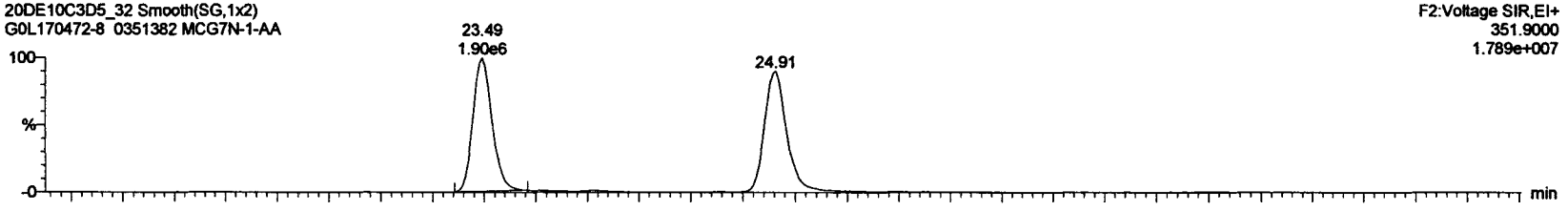
Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

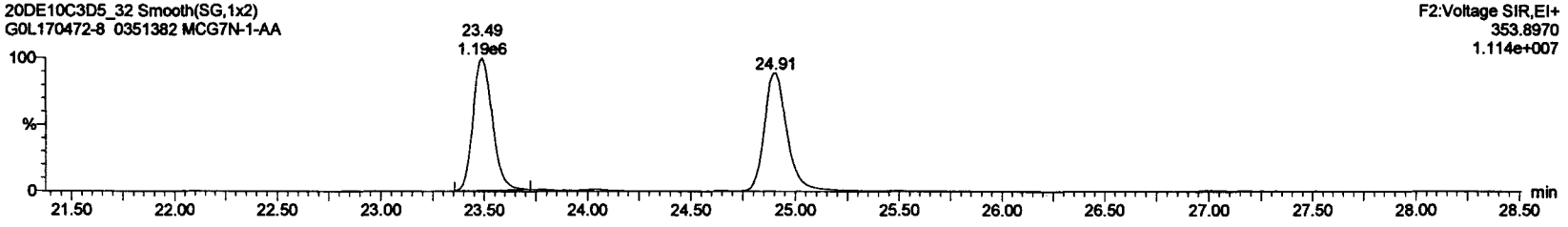
PeCDFs





13C-PeCDFs



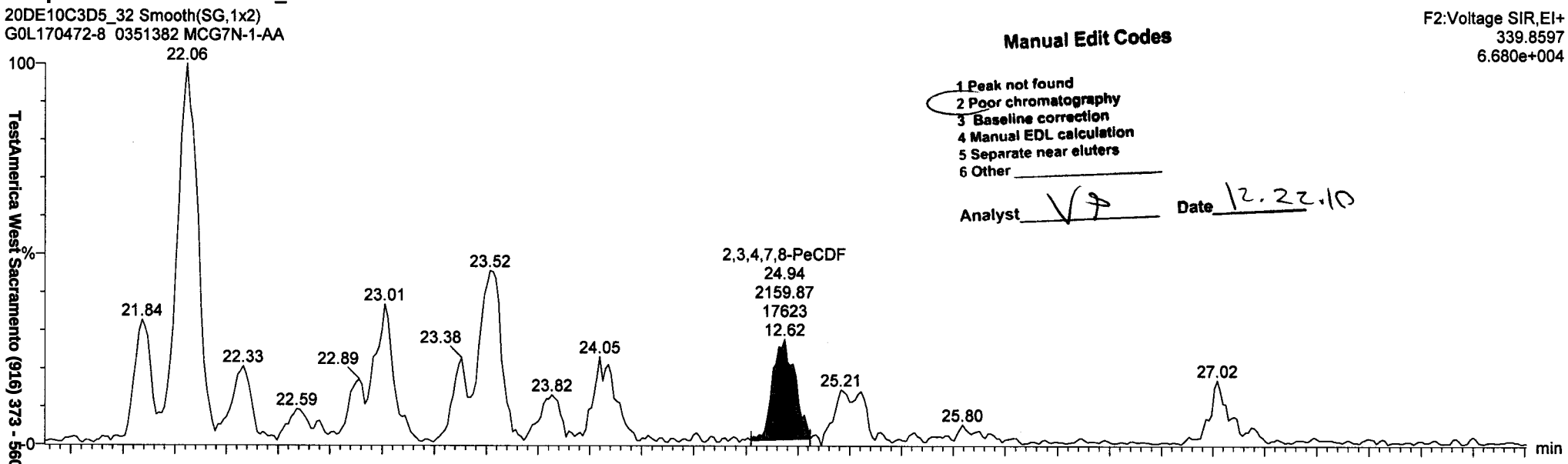


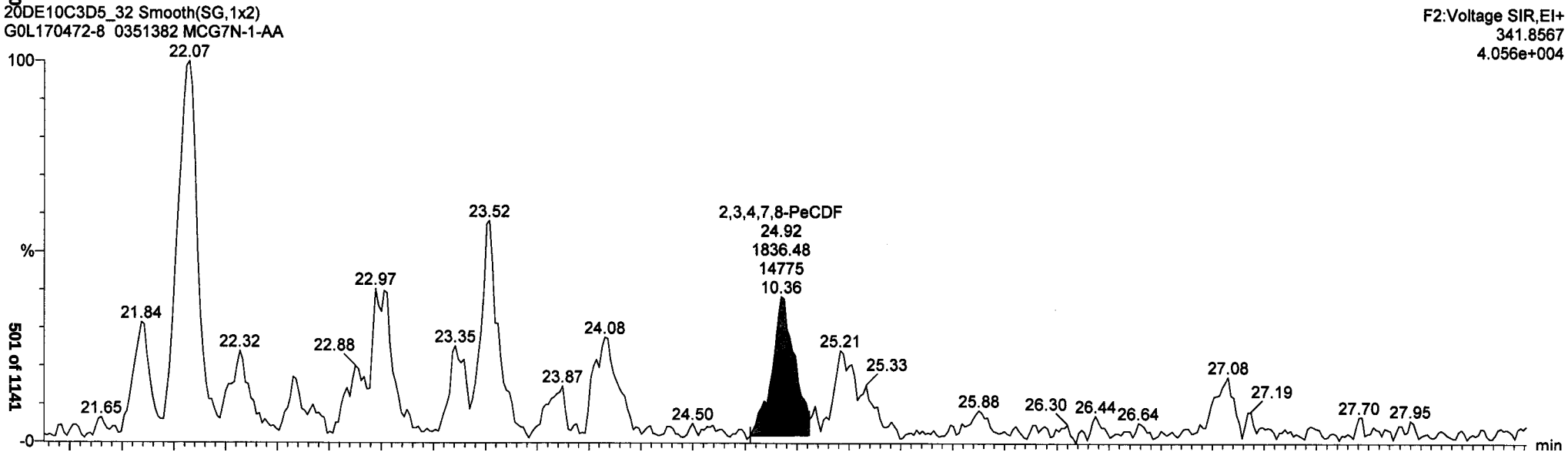
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 2,3,4,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_32



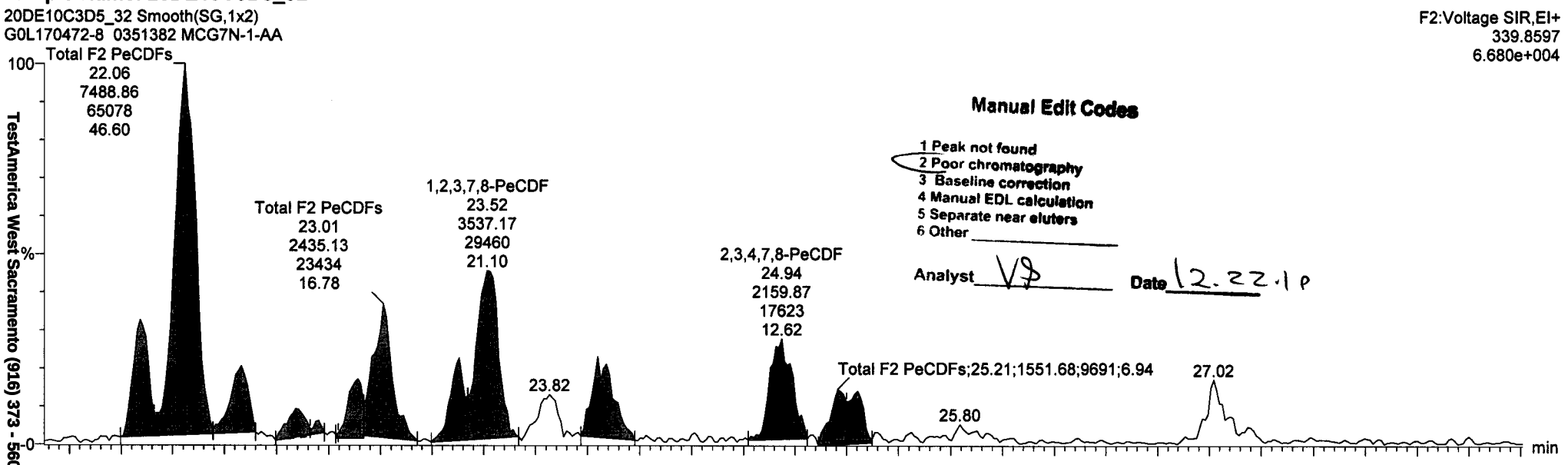


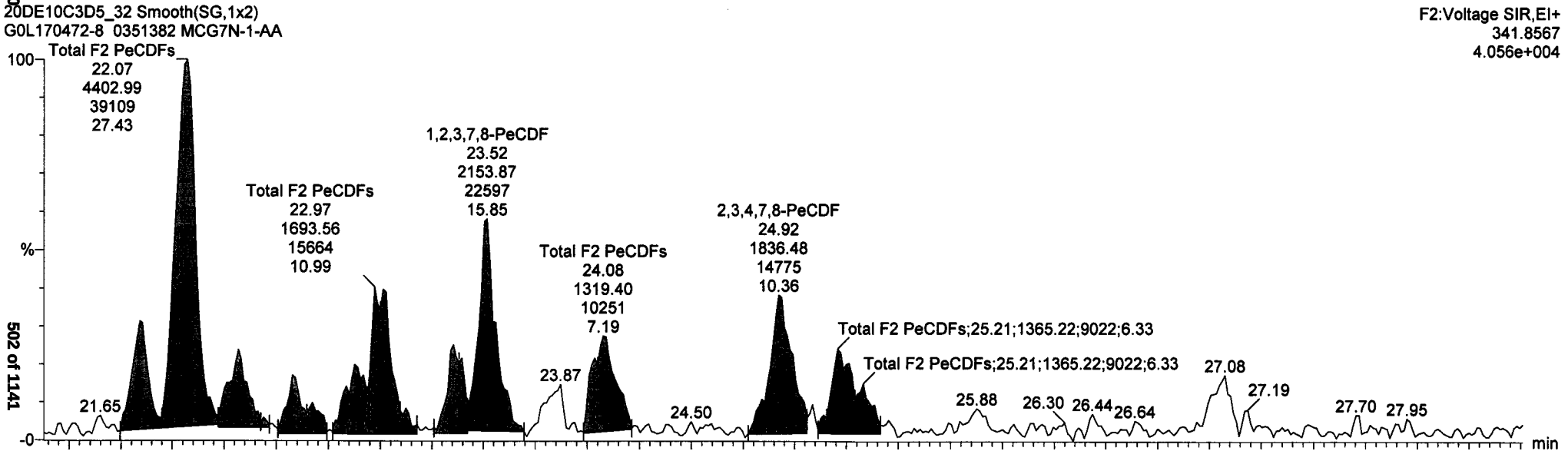
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_32





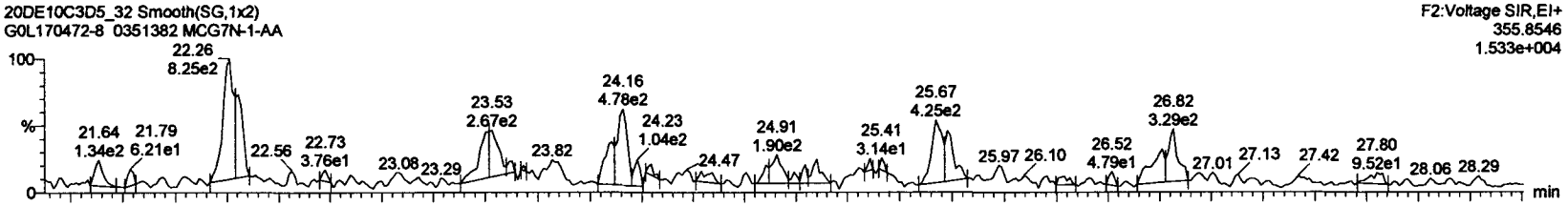
Quantify Sample Report **MassLynx 4.1**

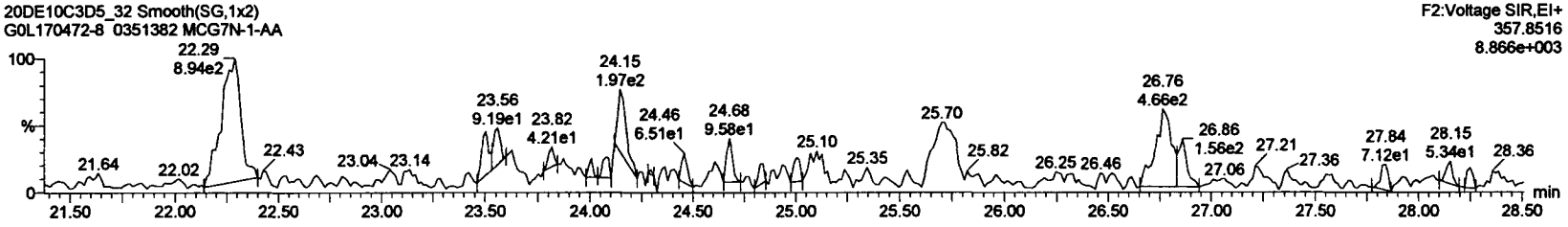
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

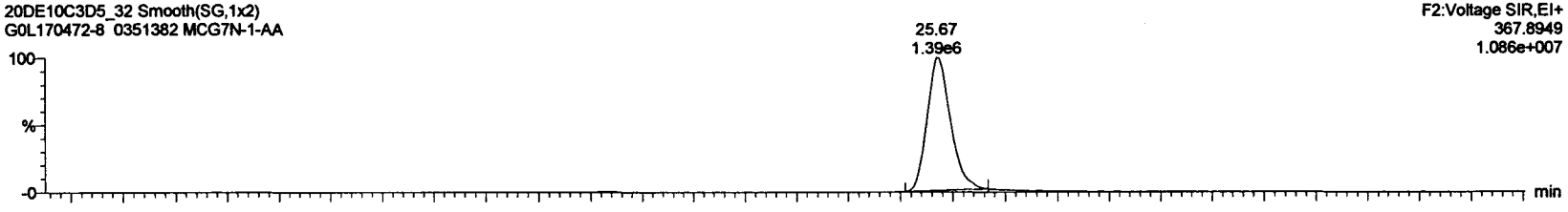
Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

PeCDDs





13C-PeCDD



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 1,2,3,7,8-PeCDD, Chrom. Trace: 355.8546

Sample Name: 20DE10C3D5_32

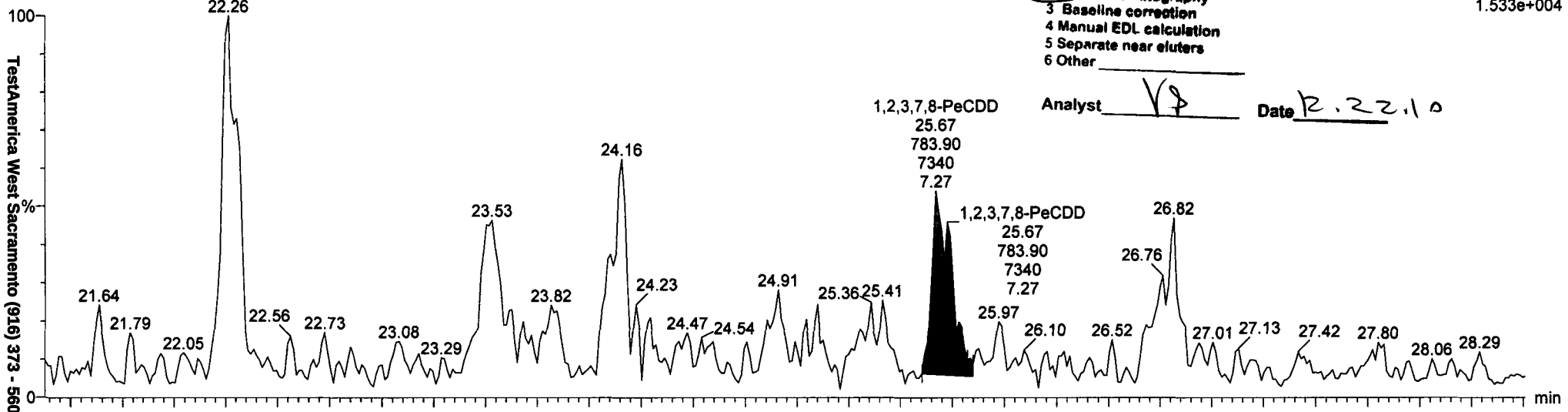
Manual Edit Codes

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

Analyst VP Date 12.22.10

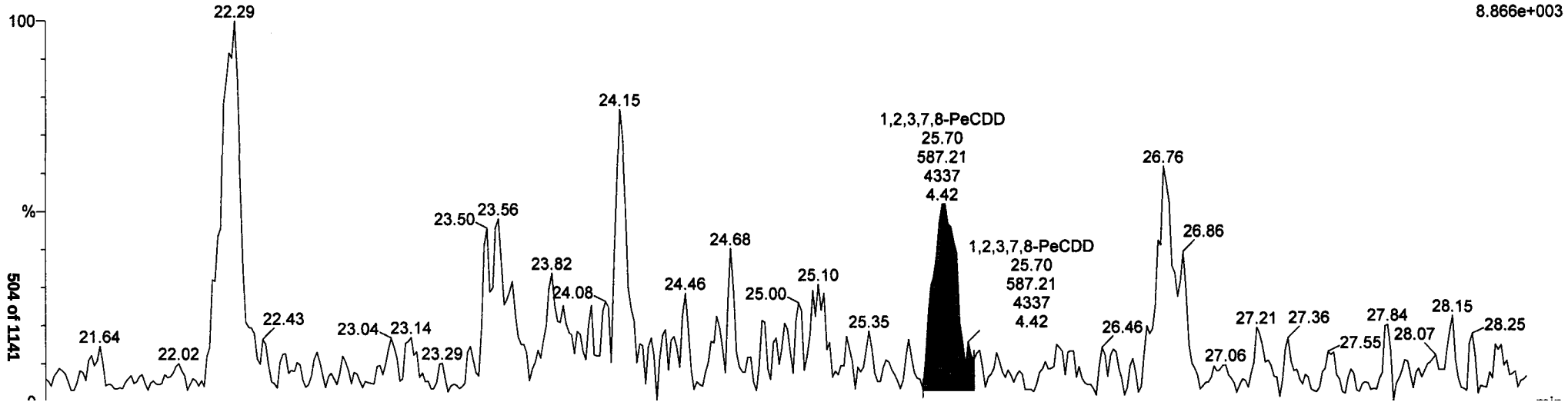
20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F2:Voltage SIR,EI+
355.8546
1.533e+004



20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F2:Voltage SIR,EI+
357.8516
8.866e+003



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:16:20 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:16:49 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

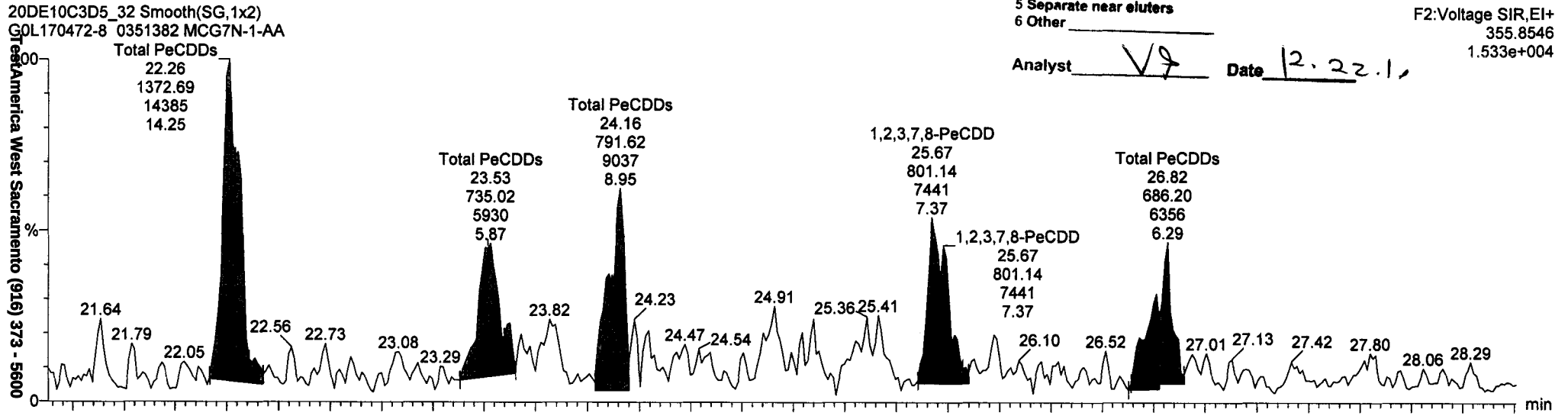
Manual Edit Codes

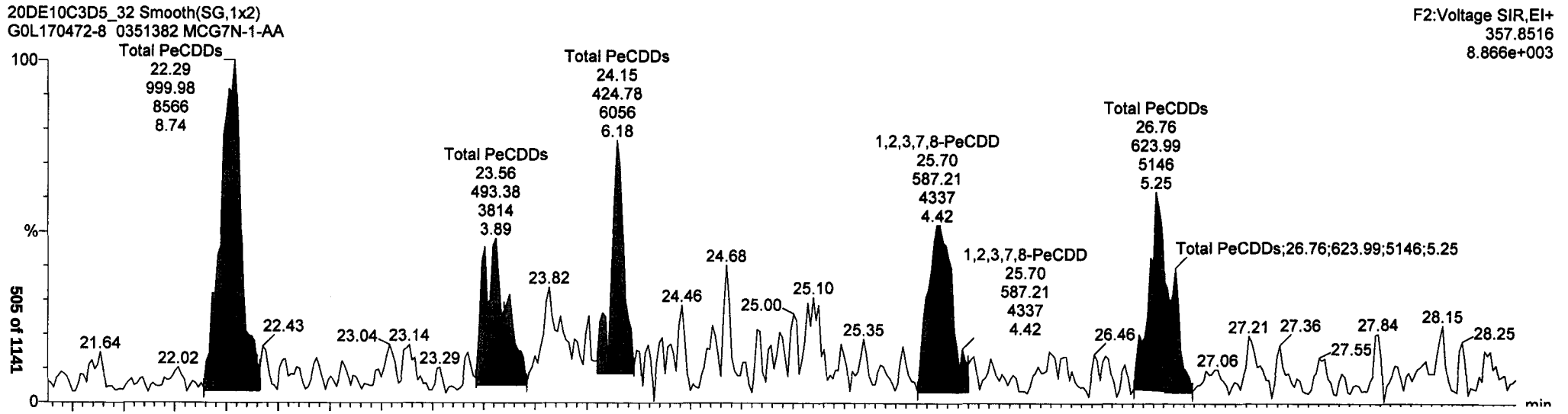
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VF Date 12.22.10

Compound Name: Total PeCDDs, Chrom. Trace: 355.8546

Sample Name: 20DE10C3D5_32





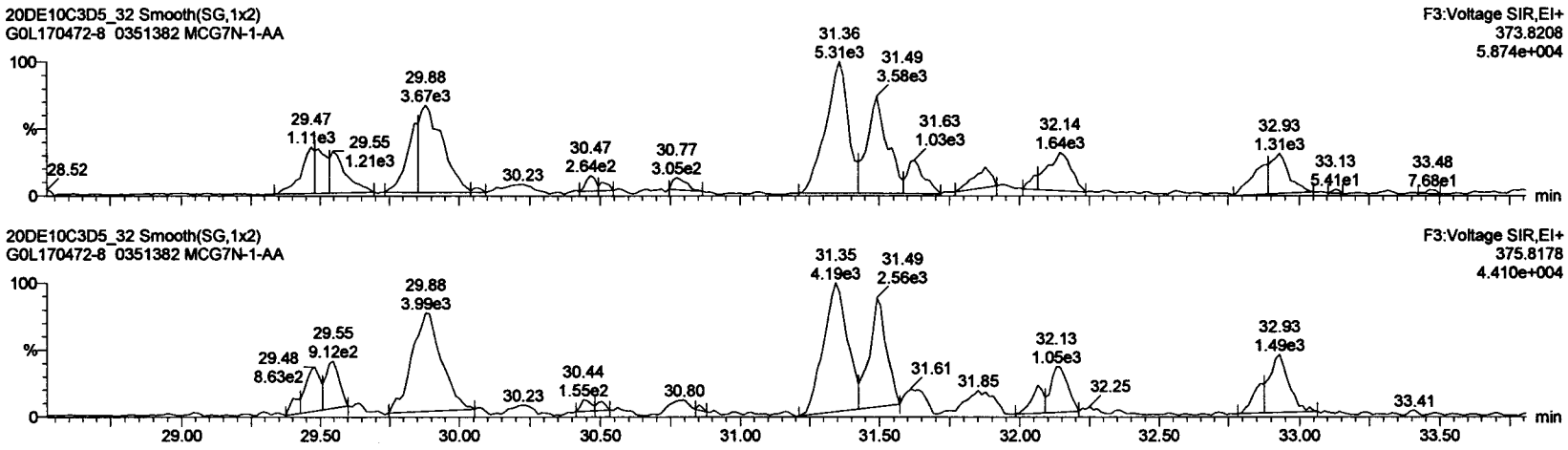
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

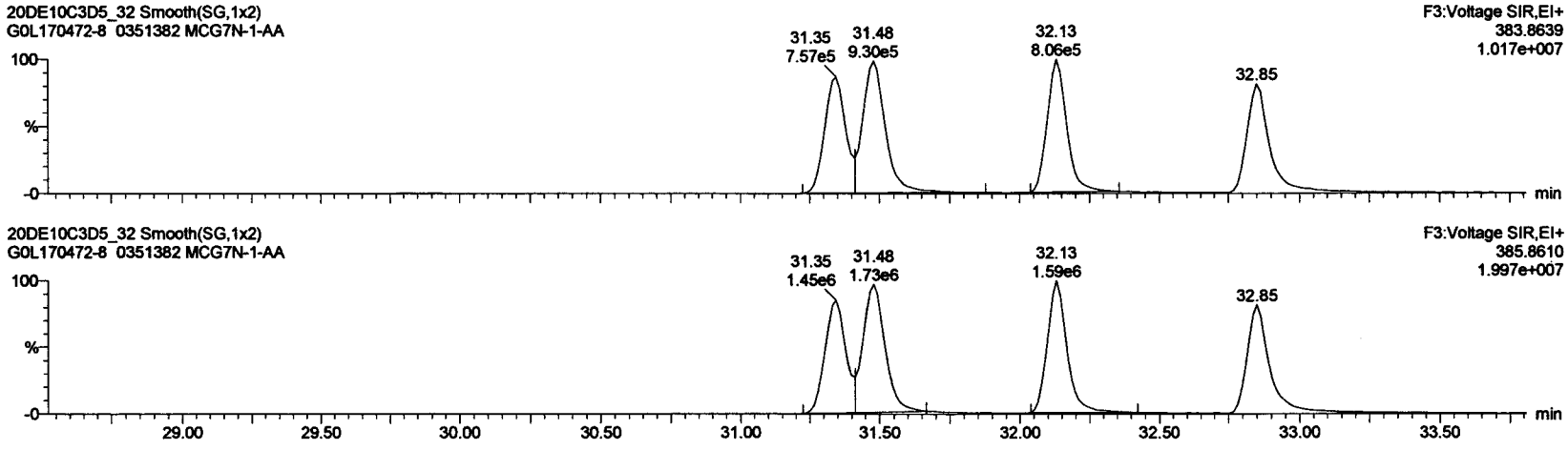
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

HxCDFs



13C-HxCDFs

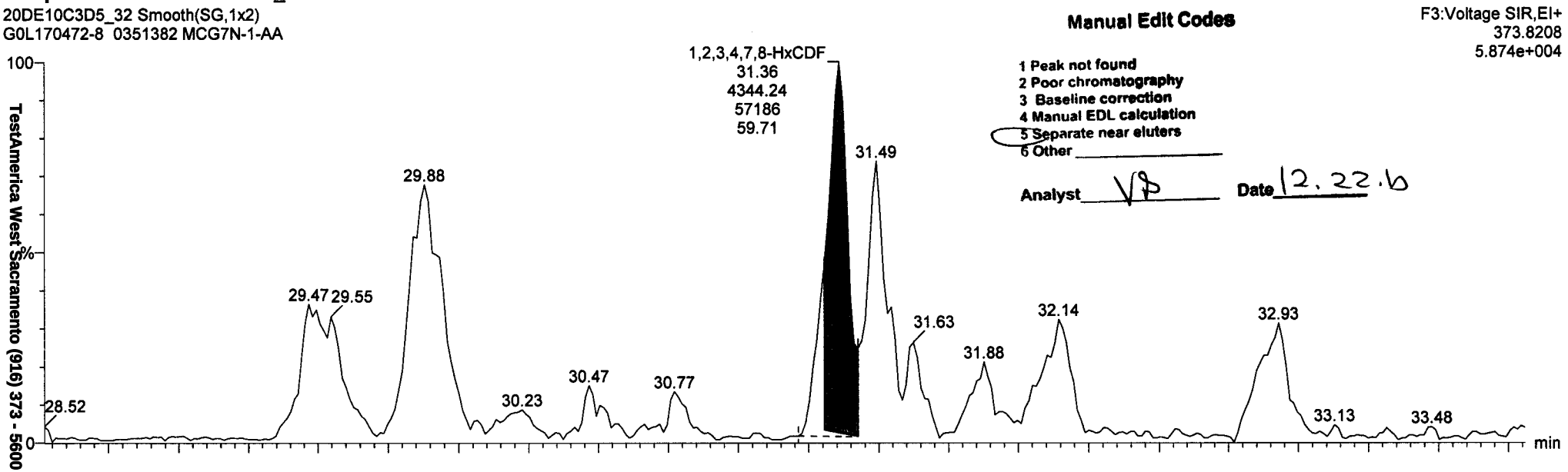


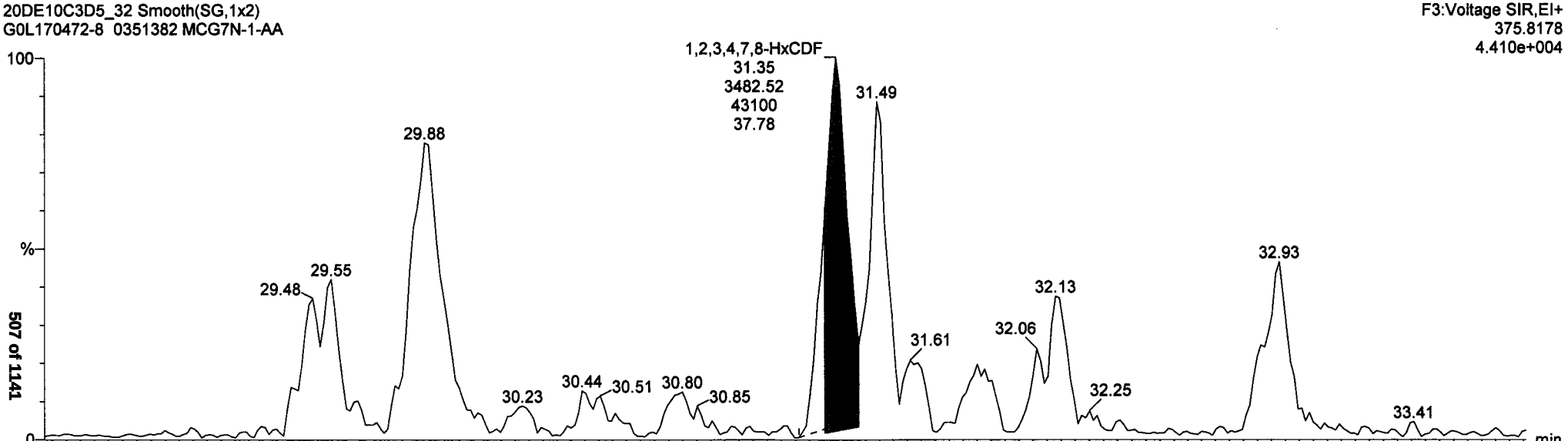
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_32



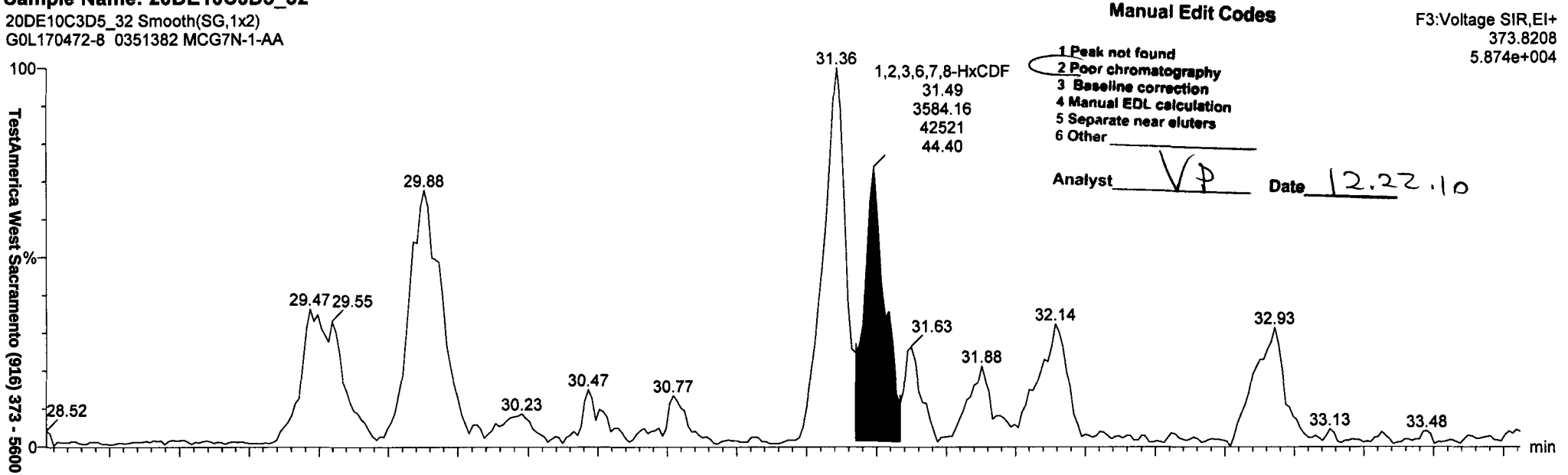


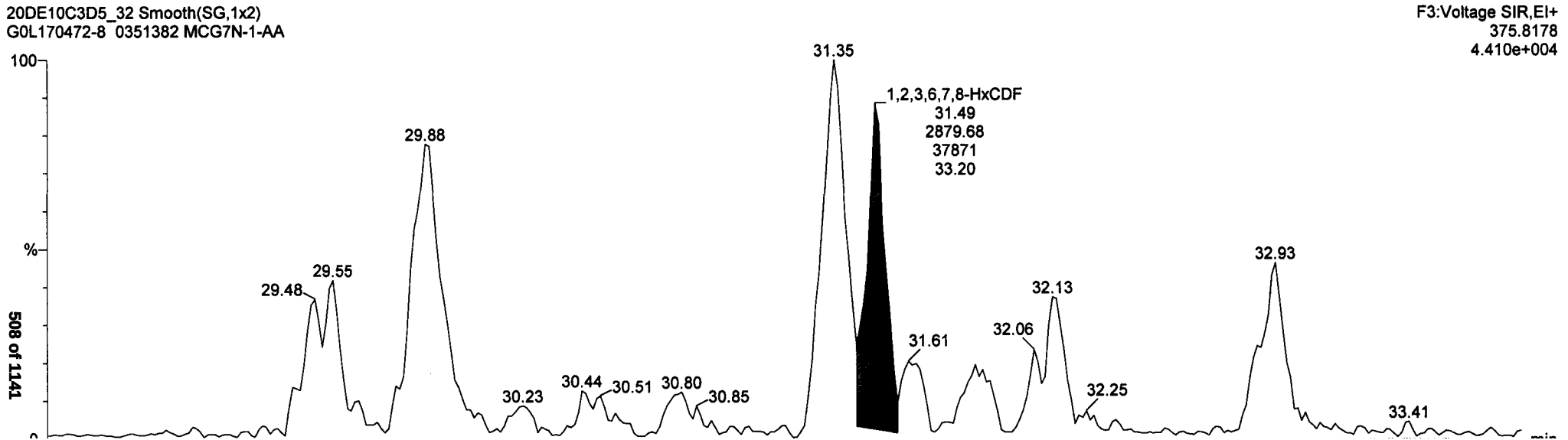
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_32



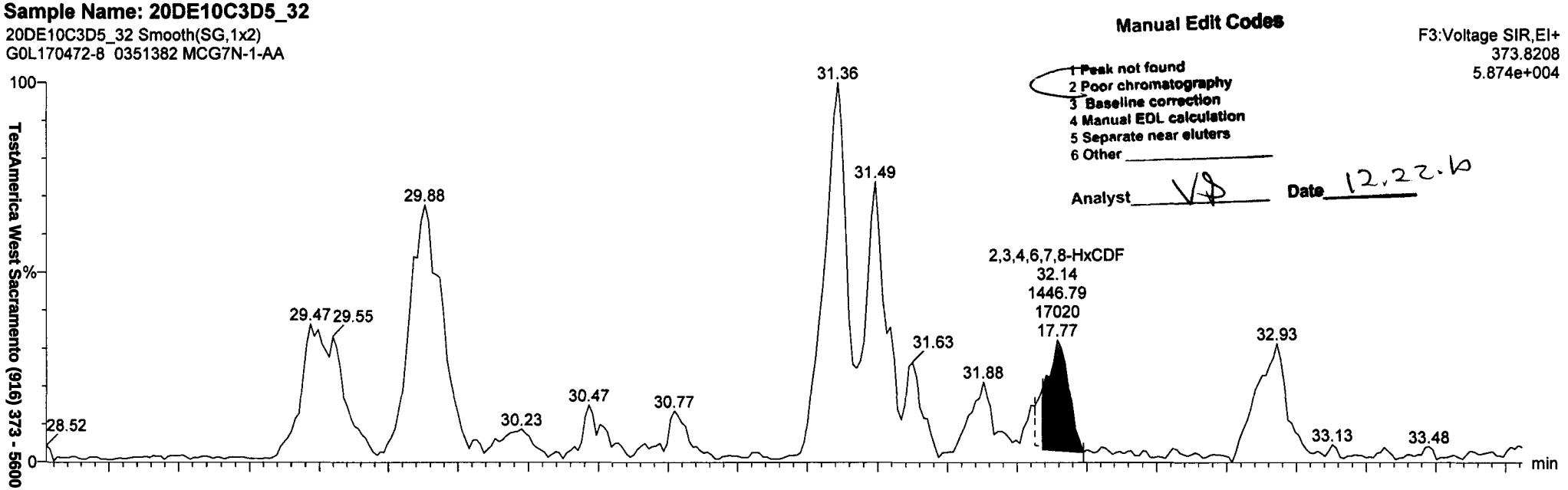


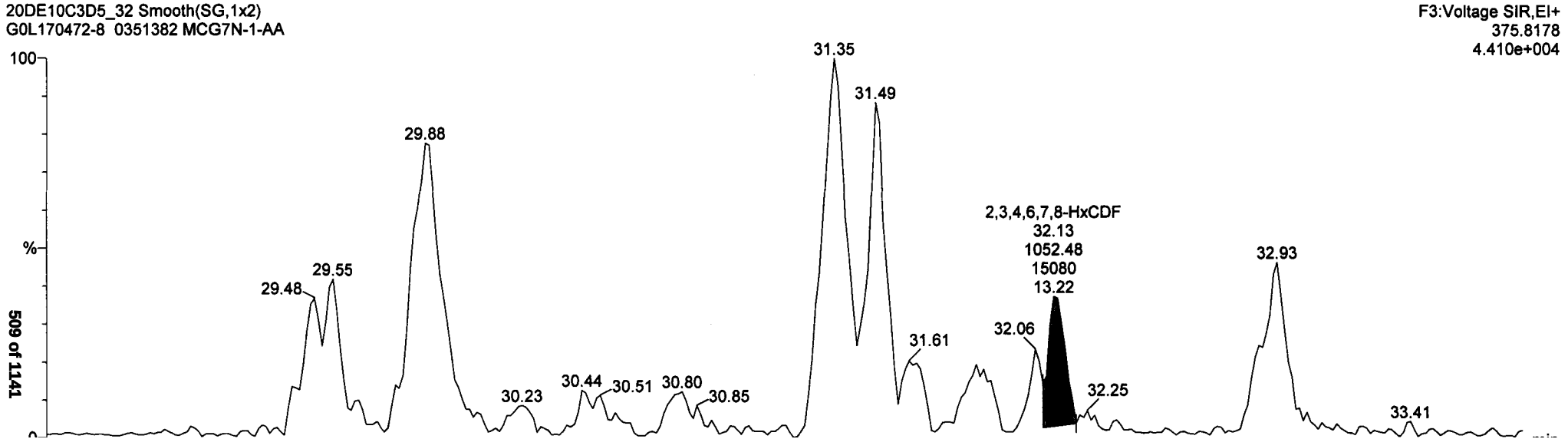
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_32





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_32

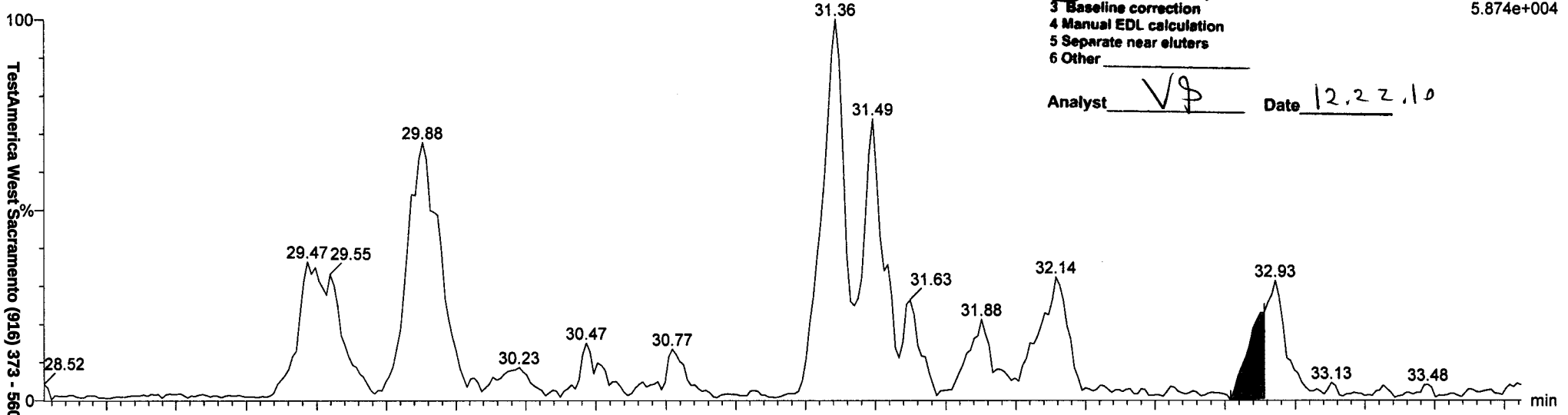
Manual Edit Codes

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

Analyst VS Date 12.22.10

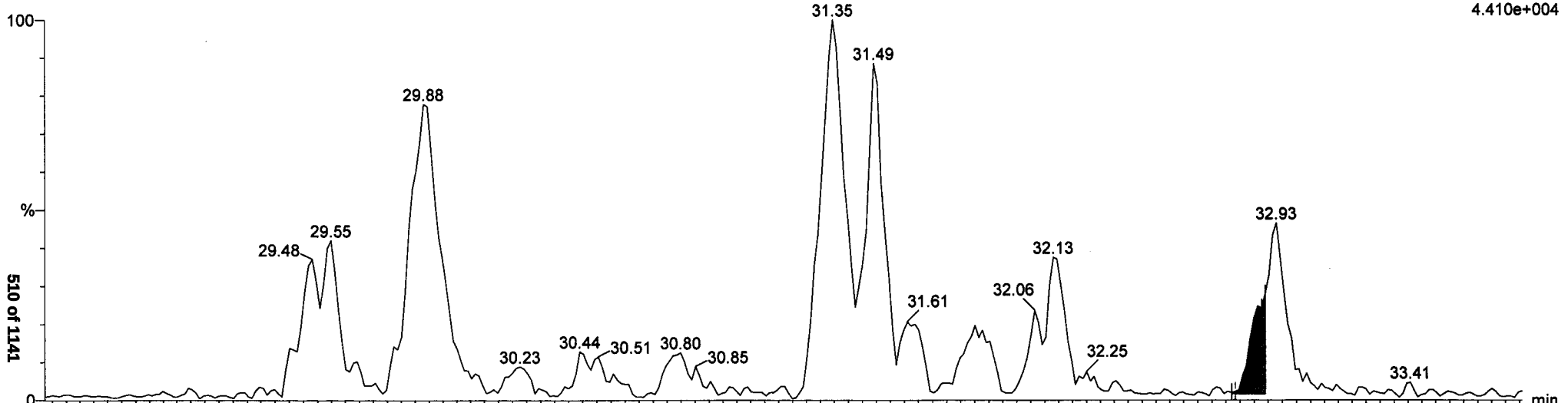
20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F3:Voltage SIR,EI+
373.8208
5.874e+004



20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F3:Voltage SIR,EI+
375.8178
4.410e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:27 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Manual Edit Codes

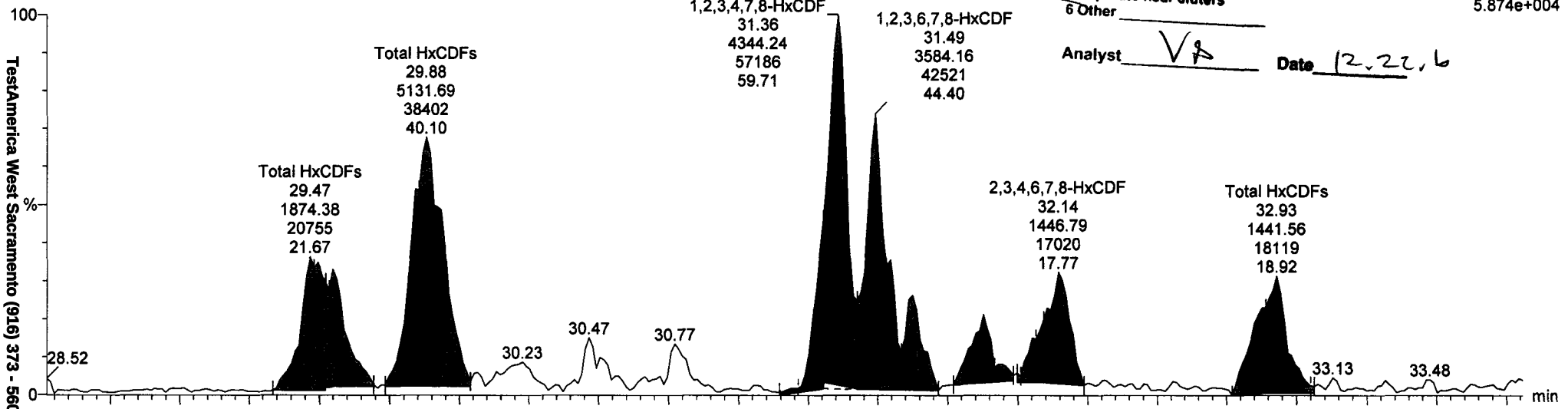
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other

Analyst VS Date 12.22.6

Sample Name: 20DE10C3D5_32

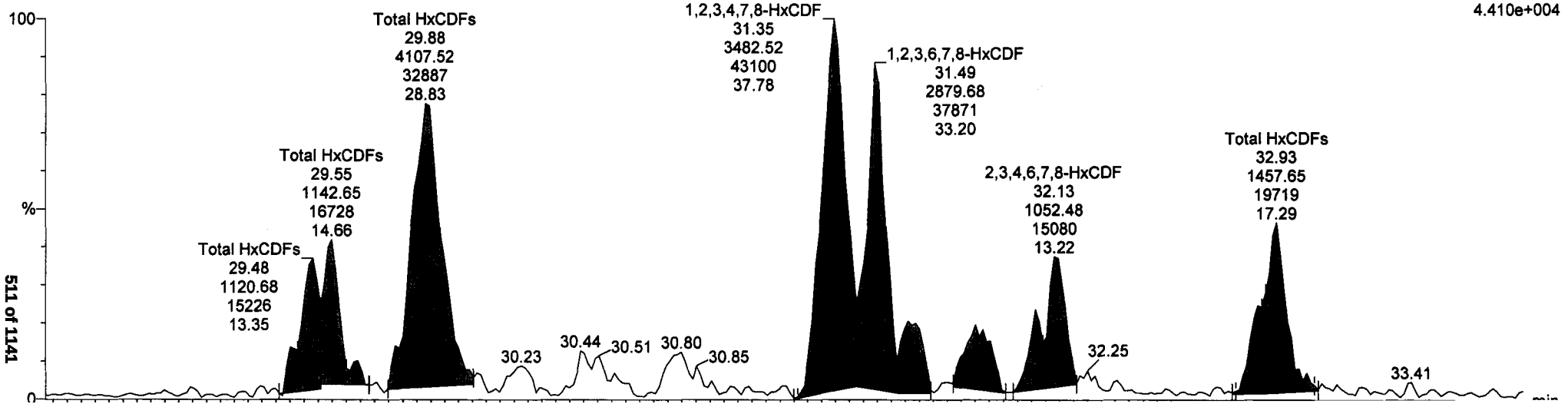
20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F3:Voltage SIR,EI+
373.8208
5.874e+004



20DE10C3D5_32 Smooth(SG,1x2)
G0L170472-8 0351382 MCG7N-1-AA

F3:Voltage SIR,EI+
375.8178
4.410e+004



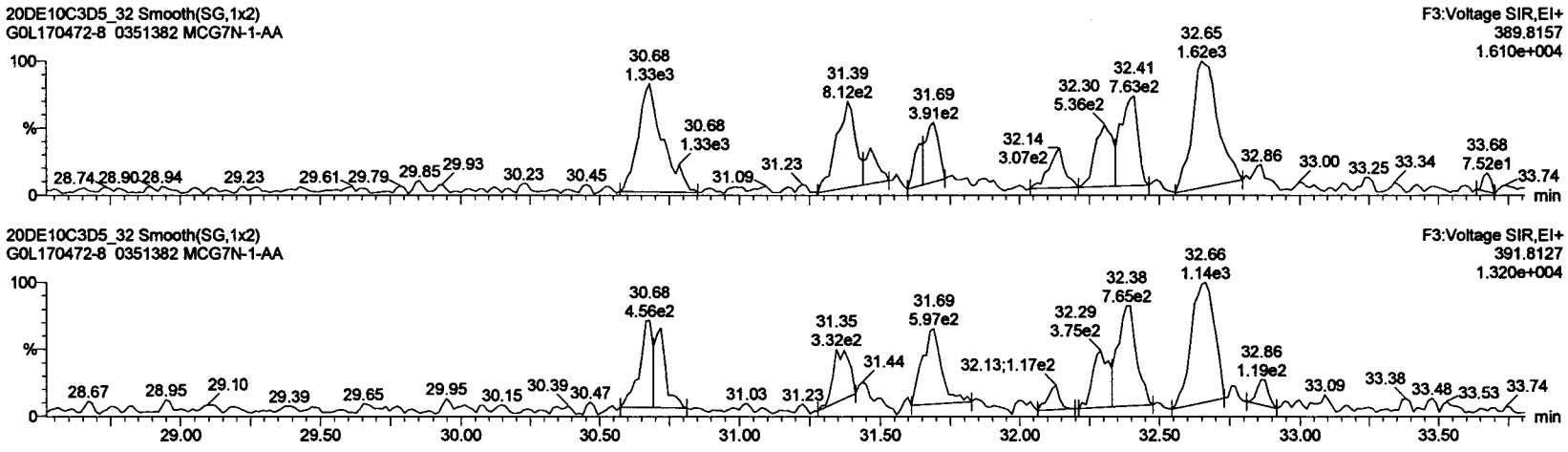
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

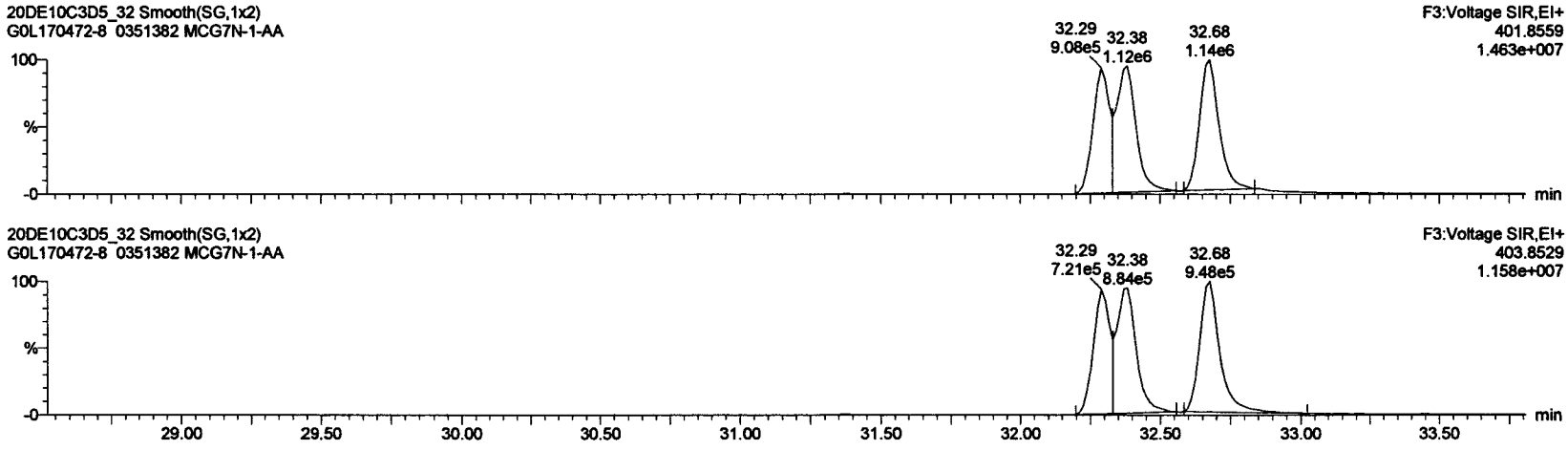
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

HxCDDs



13C-HxCDDs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

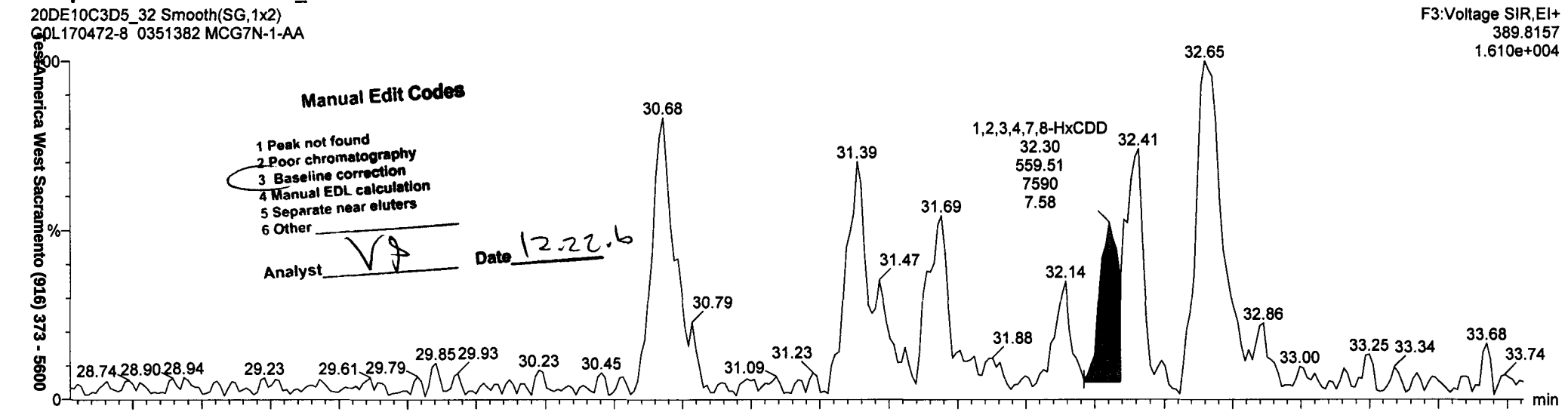
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

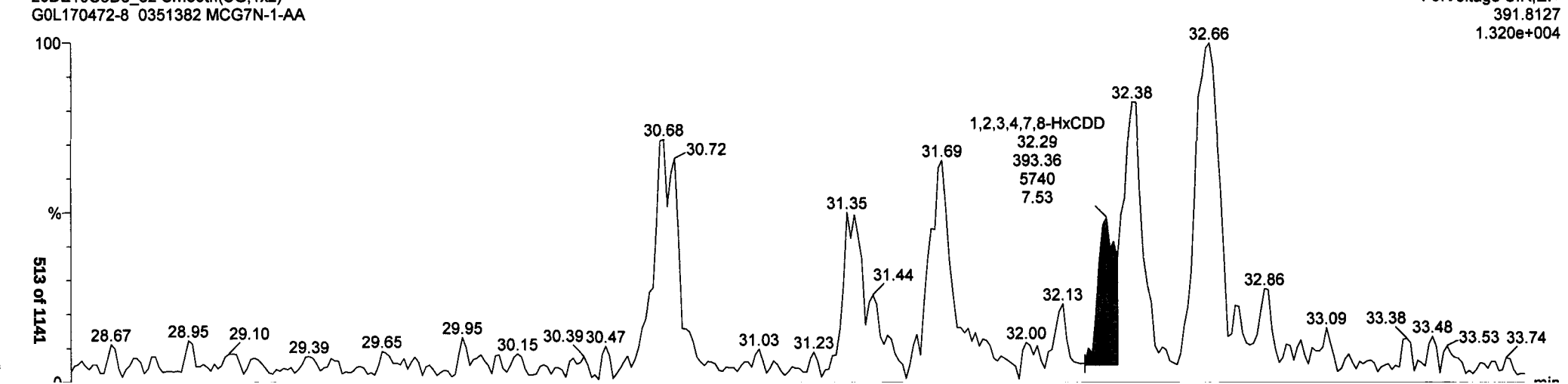
Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:51 Pacific Standard Time

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: 1,2,3,4,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_32



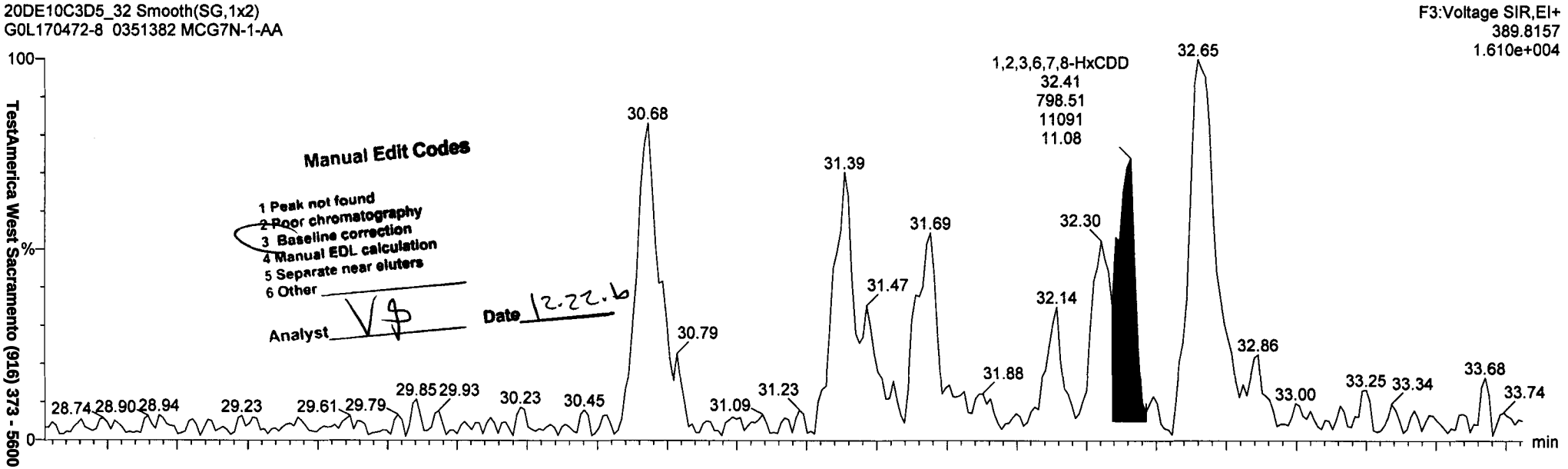


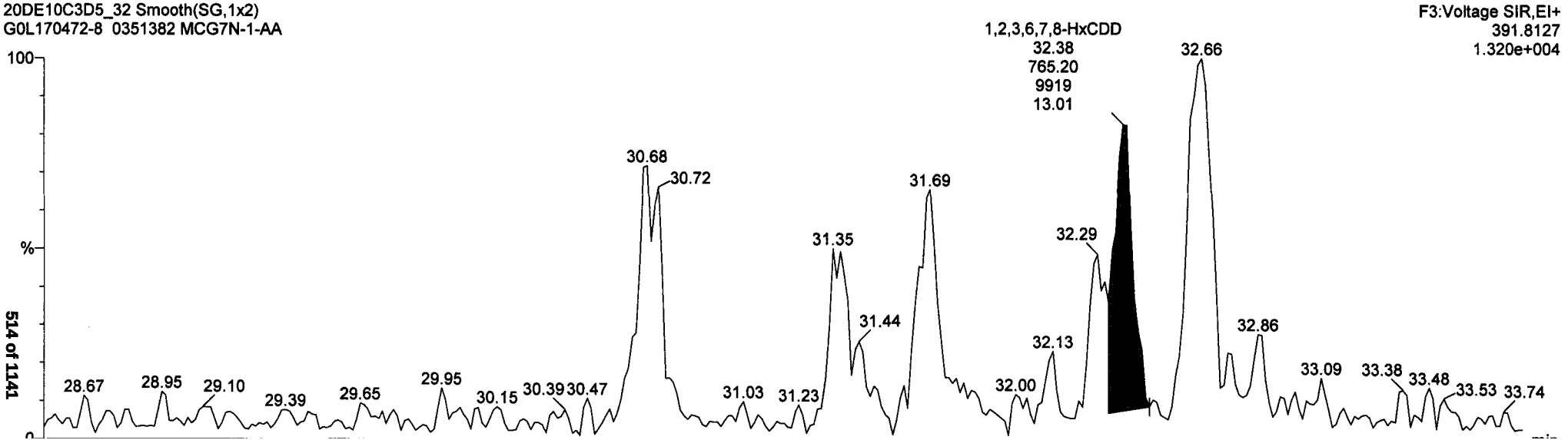
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:51 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDD, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_32



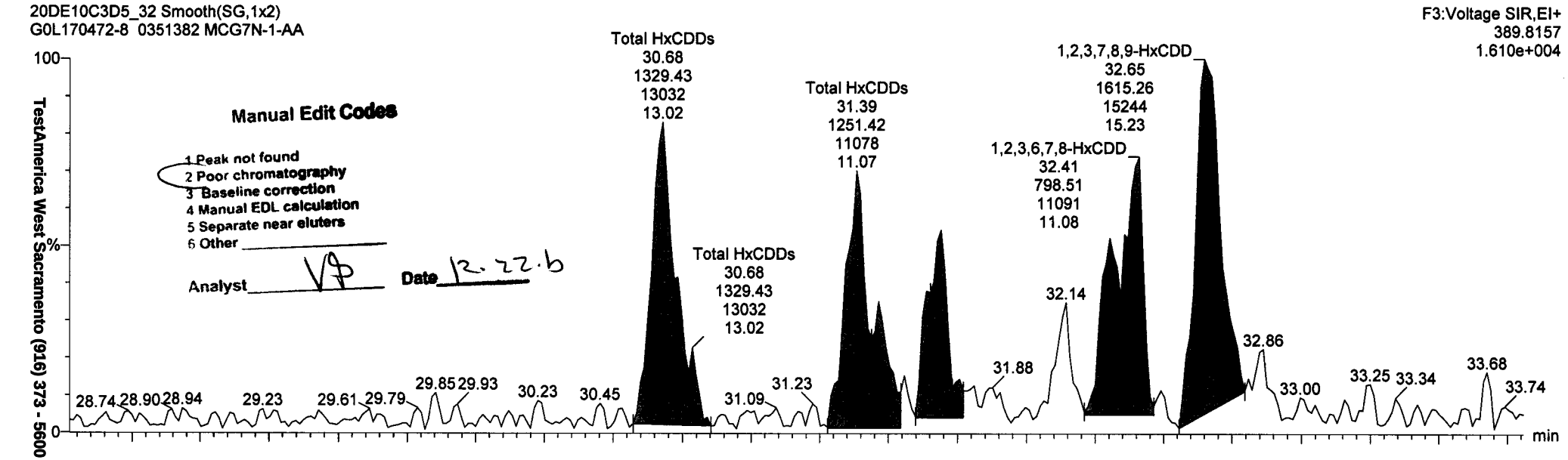


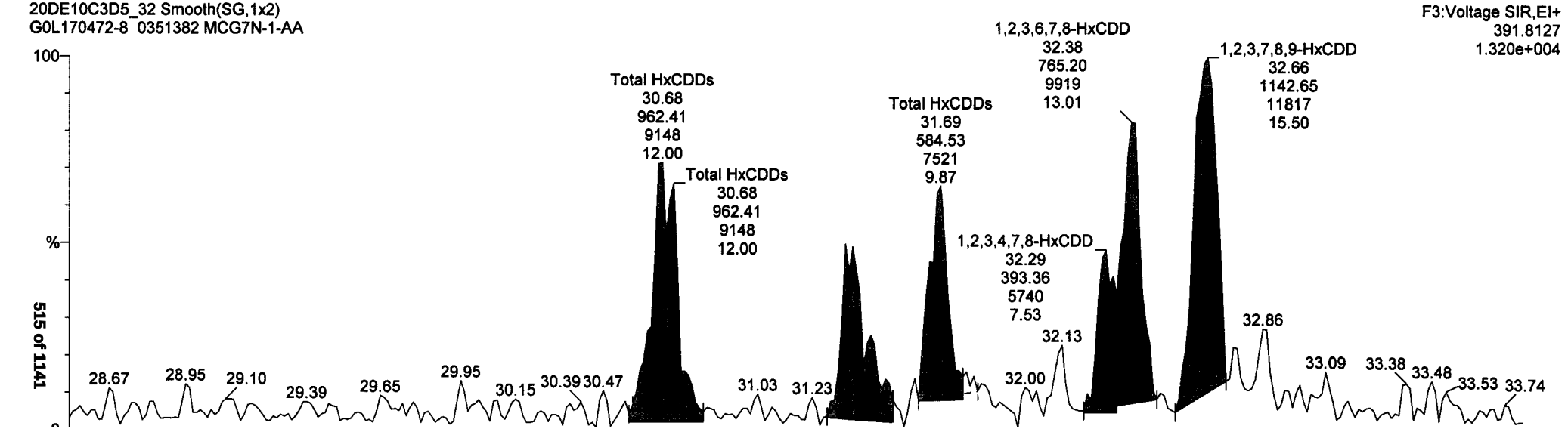
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:51 Pacific Standard Time

Compound Name: Total HxCDDs, Chrom. Trace: 389.8157

Sample Name: 20DE10C3D5_32





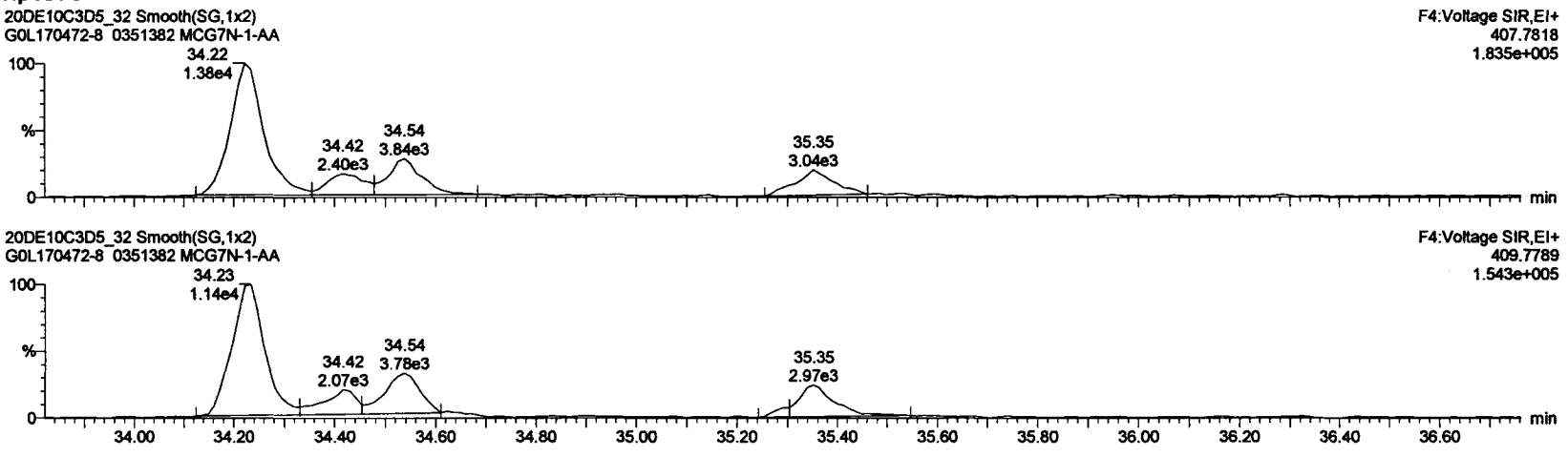
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

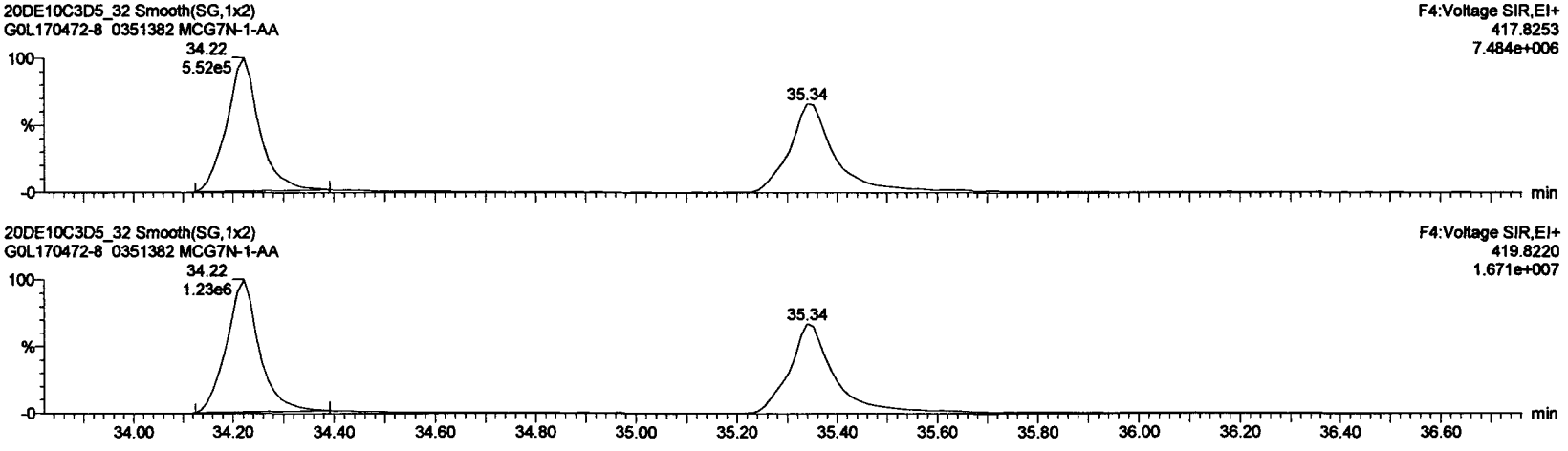
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

HpCDFs



13C-HpCDFs



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

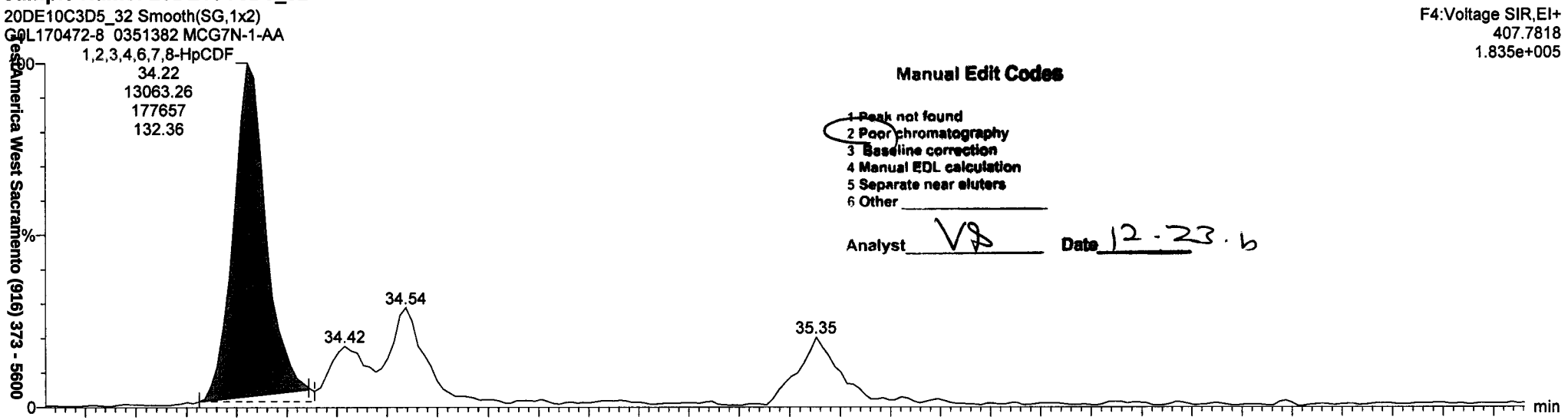
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

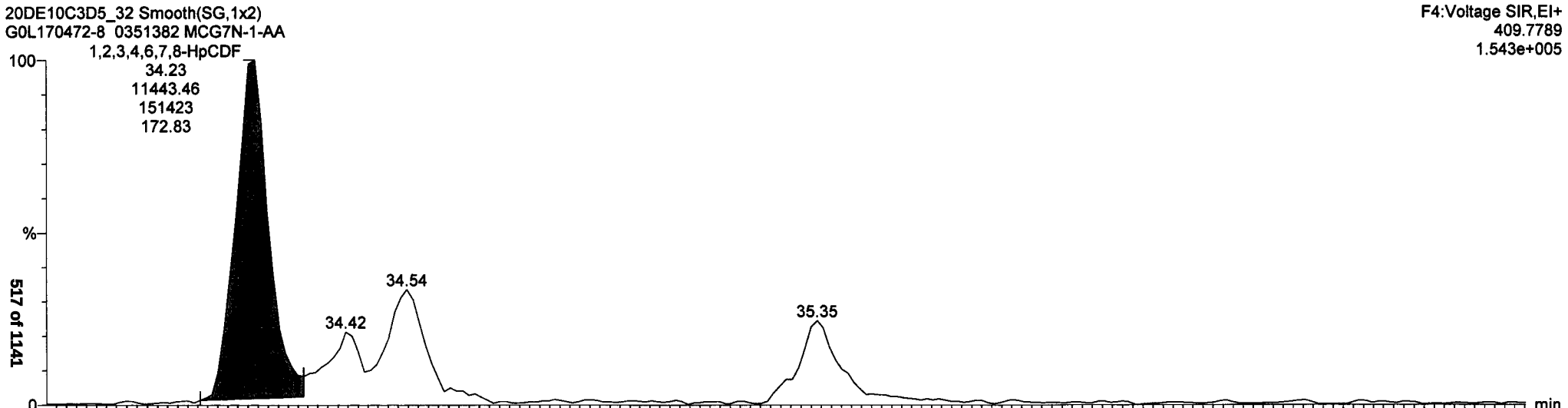
Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:28:56 Pacific Standard Time

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: 1,2,3,4,6,7,8-HpCDF, Chrom. Trace: 407.7818

Sample Name: 20DE10C3D5_32



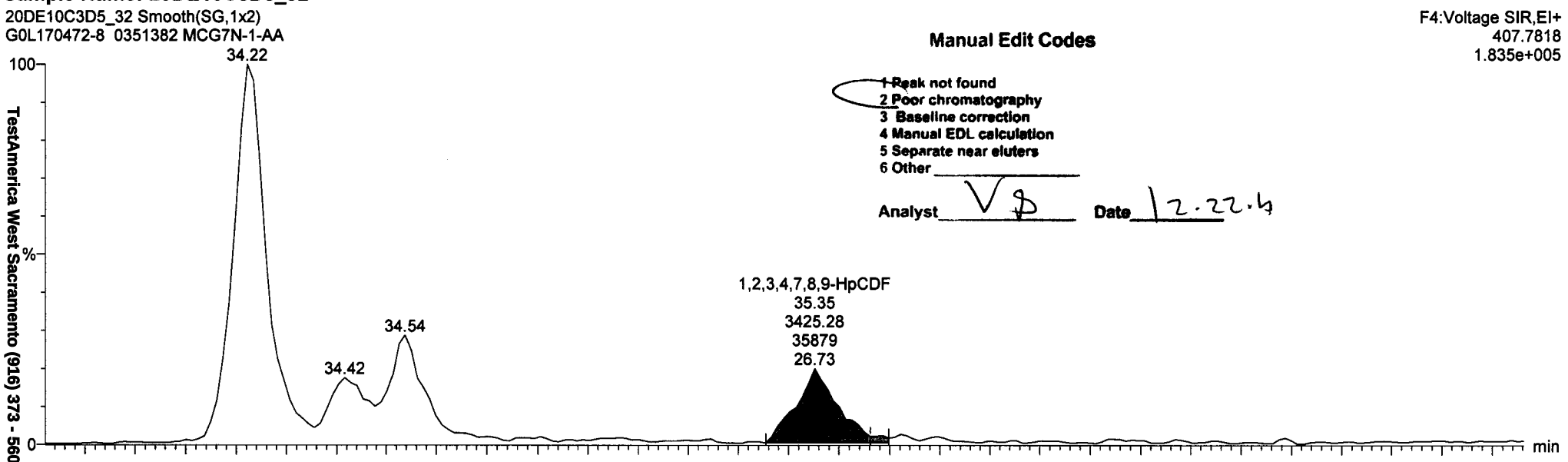


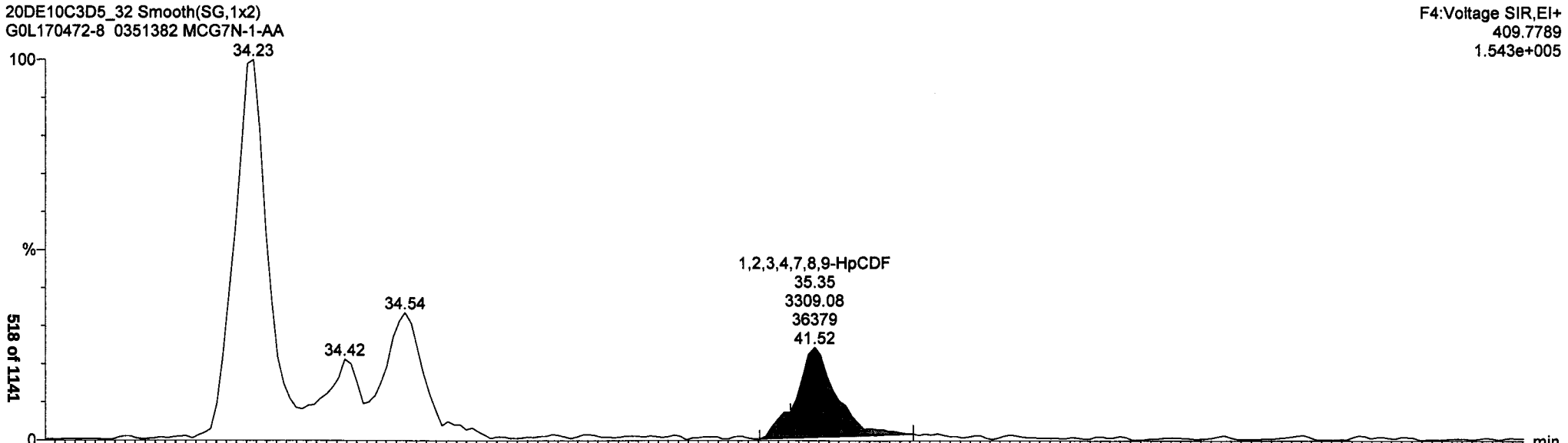
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 16:10:46 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:12:51 Pacific Standard Time

Compound Name: 1,2,3,4,7,8,9-HpCDF, Chrom. Trace: 407.7818

Sample Name: 20DE10C3D5_32





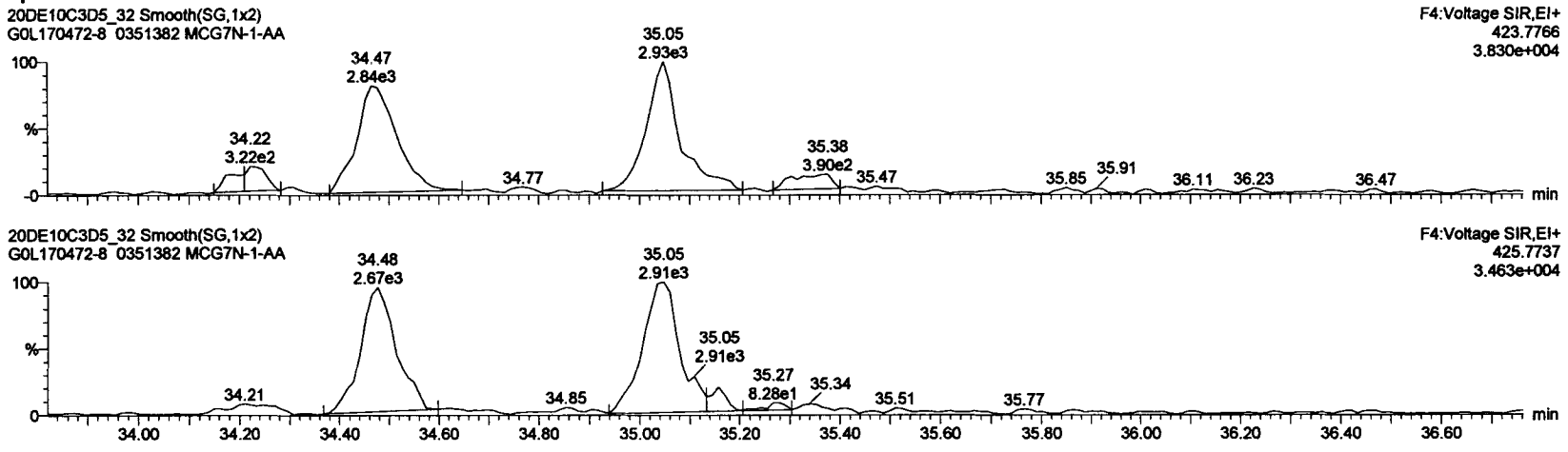
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

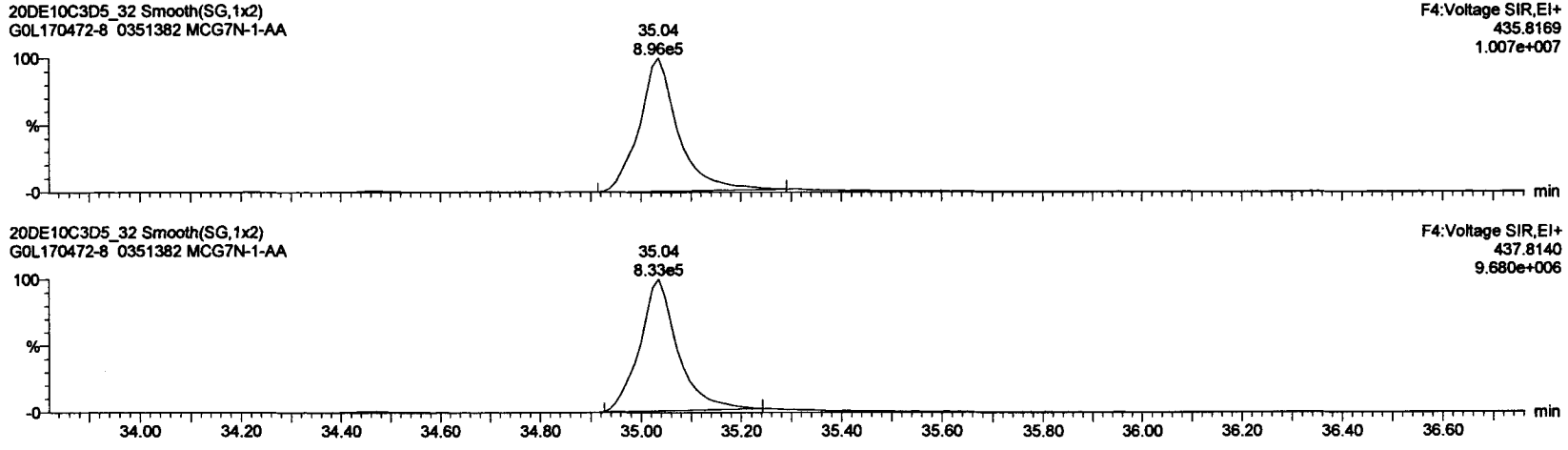
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

HpCDDs



13C-HpCDD



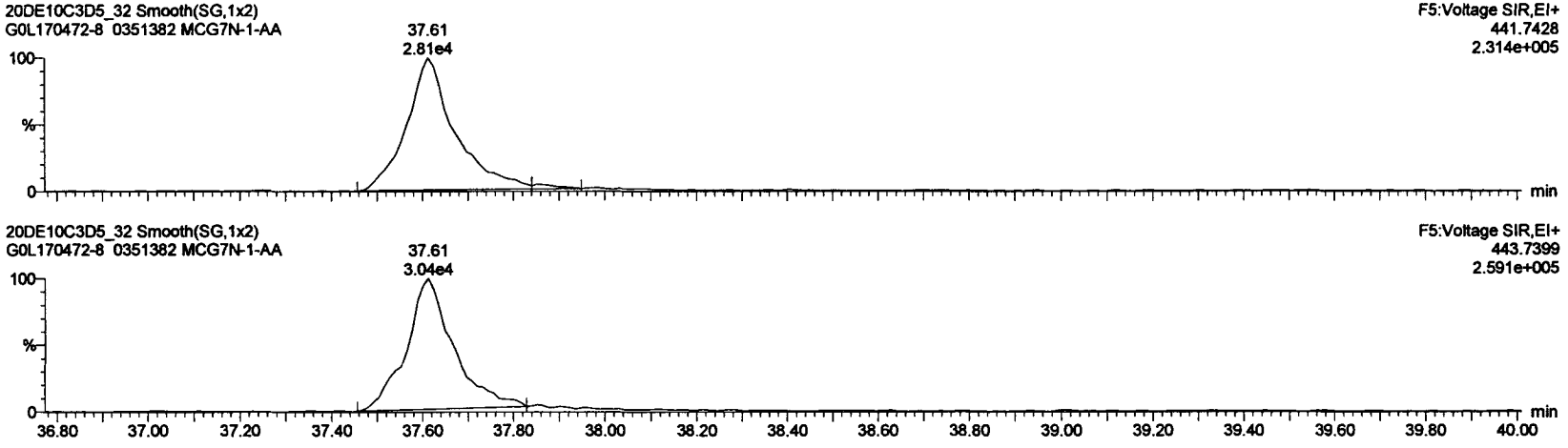
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

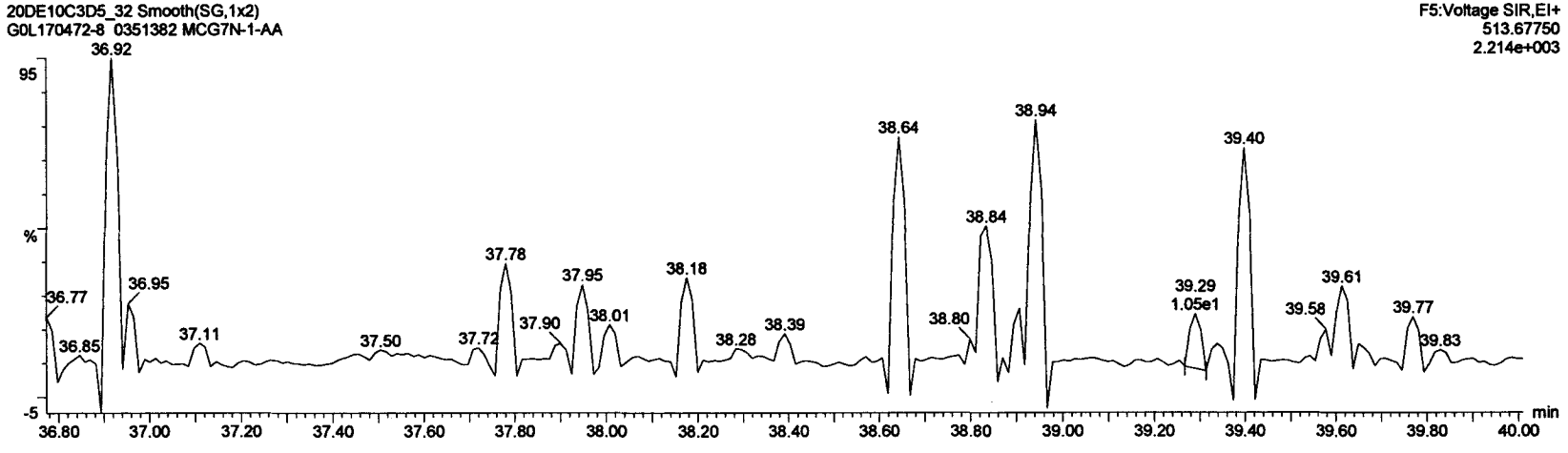
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

OCDFs



OCDF PCDPE



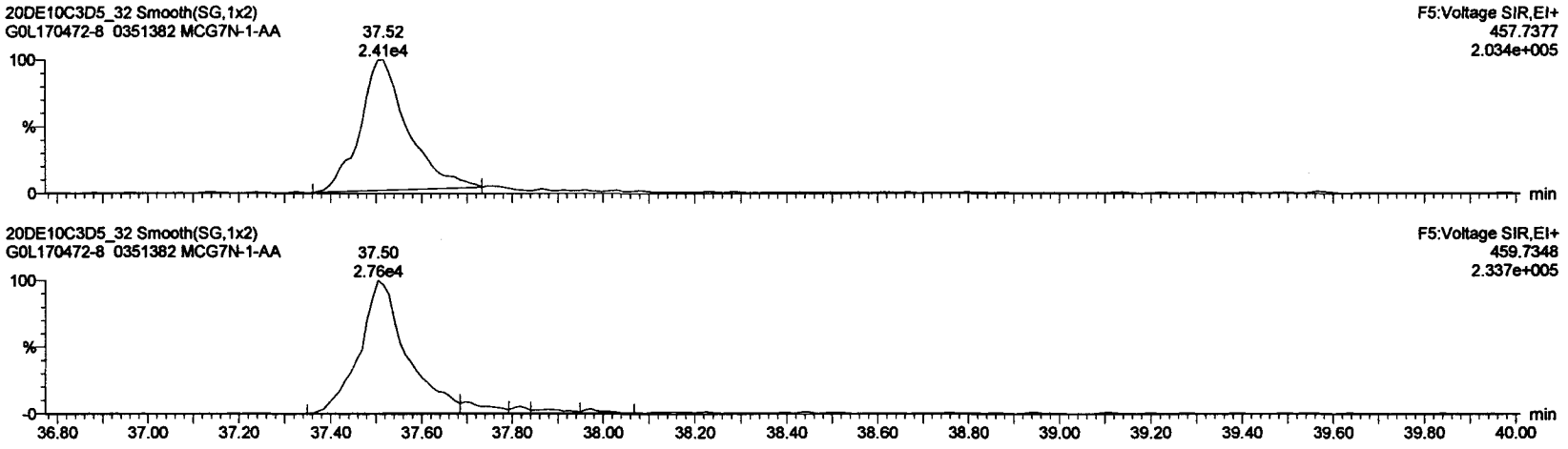
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

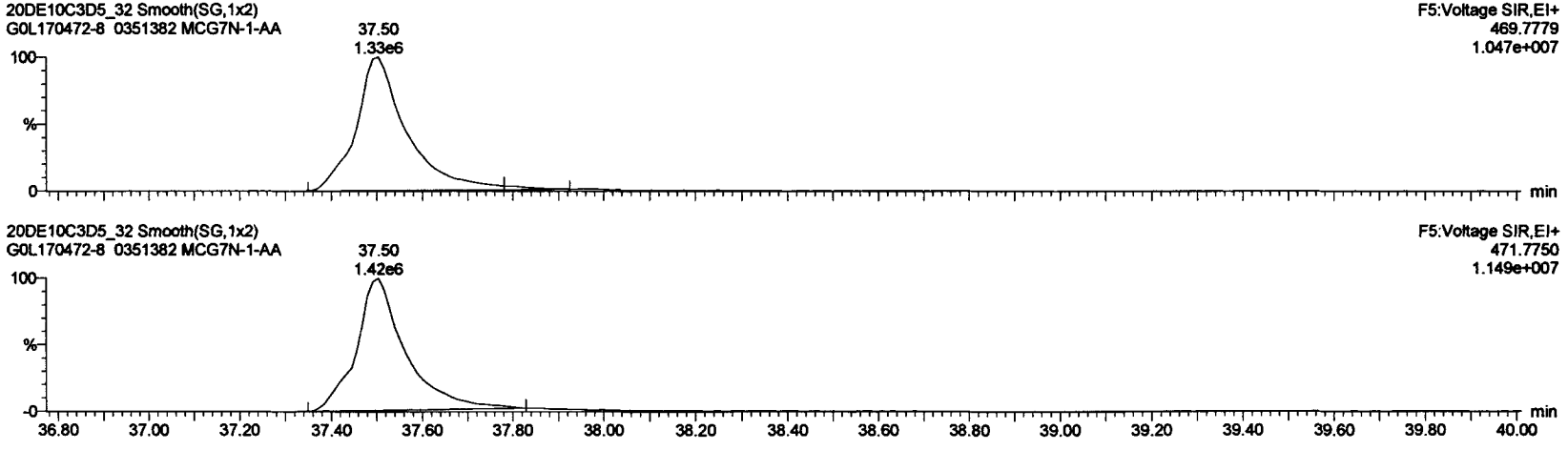
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

OCDD



13C-OCDD



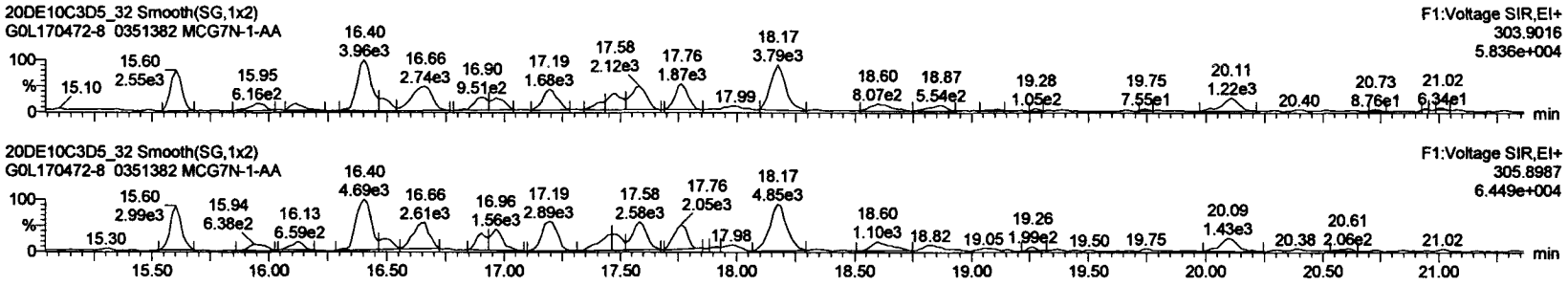
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

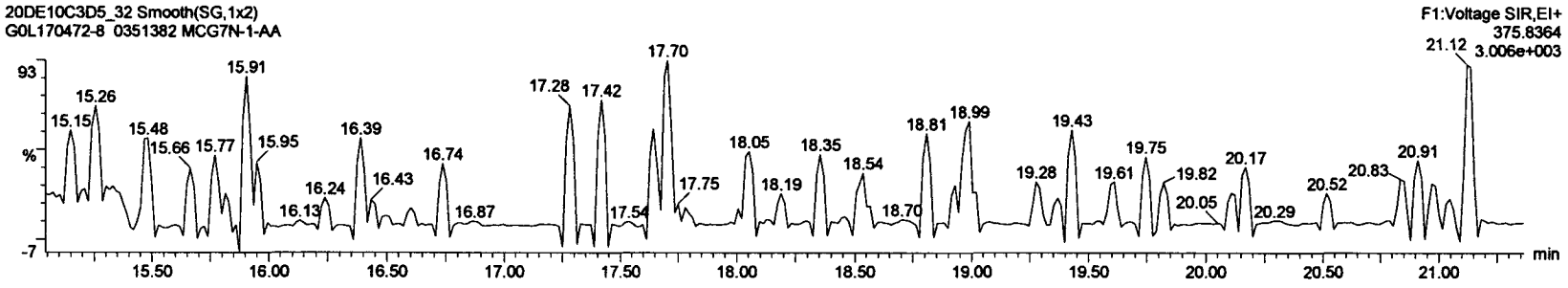
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

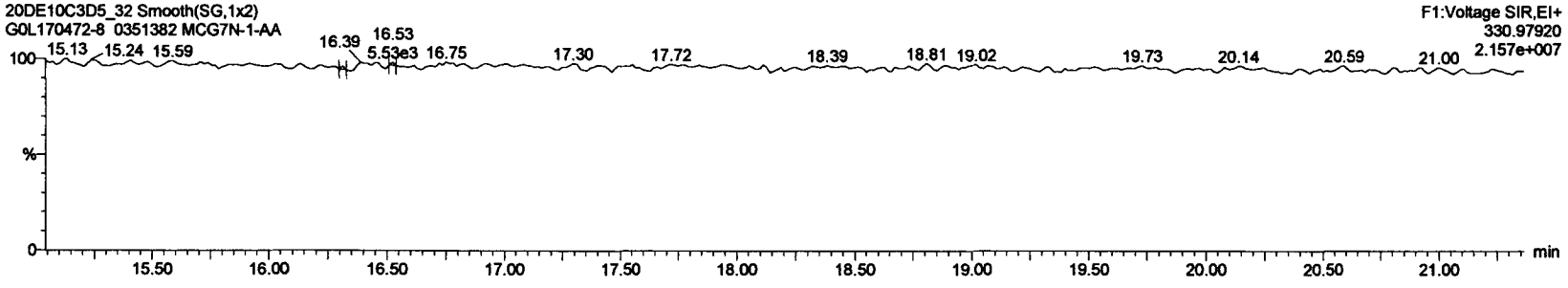
TCDFs



TCDF PCDPE



Function 1 PFK



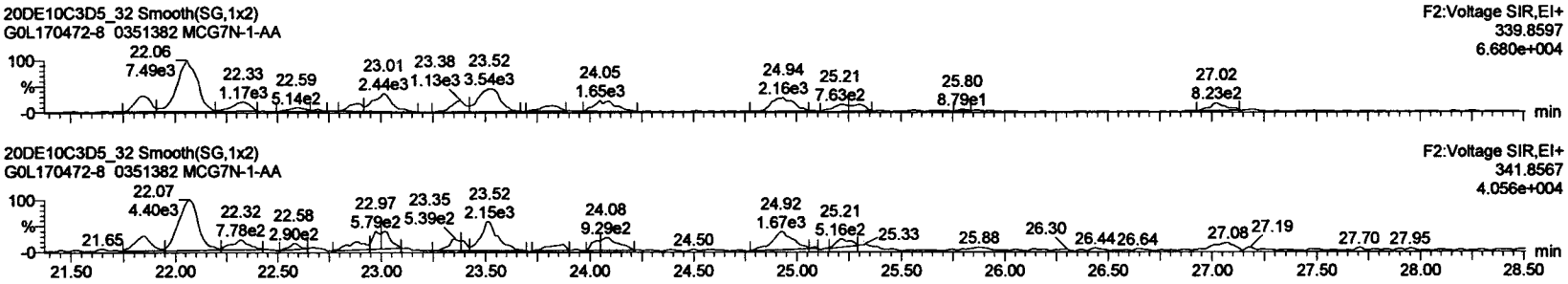
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

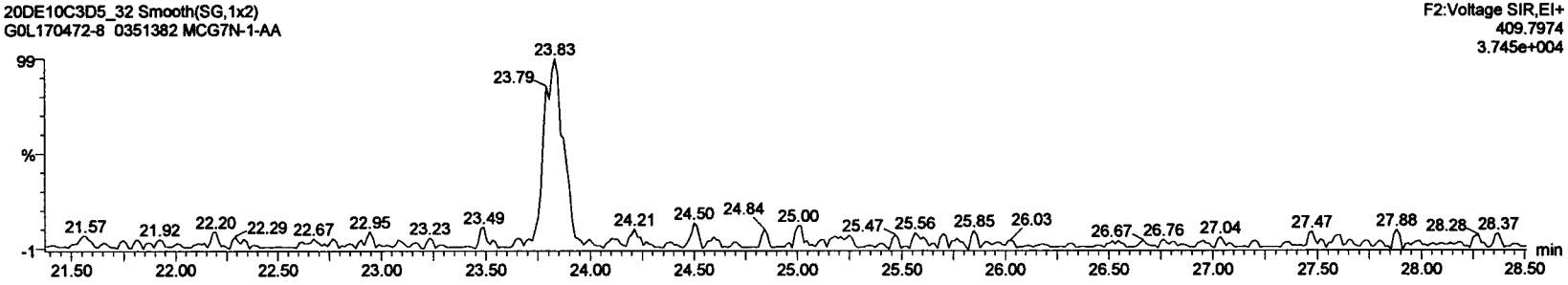
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

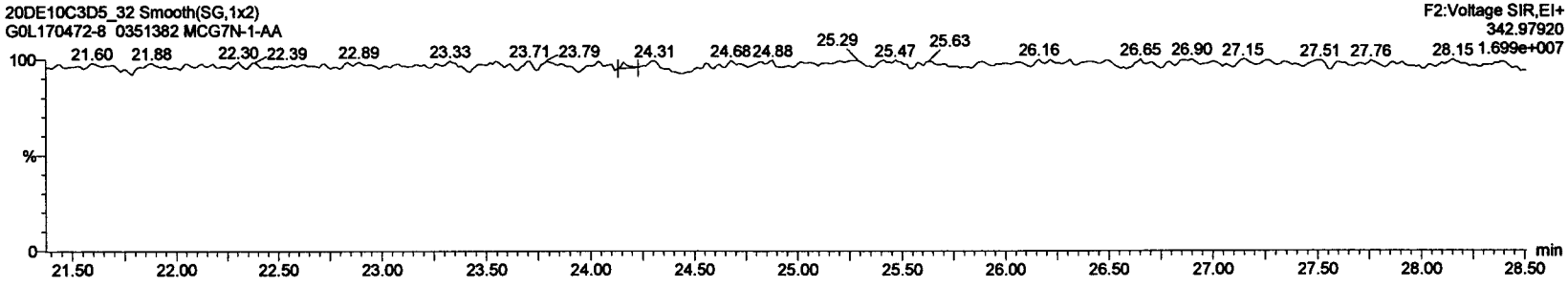
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



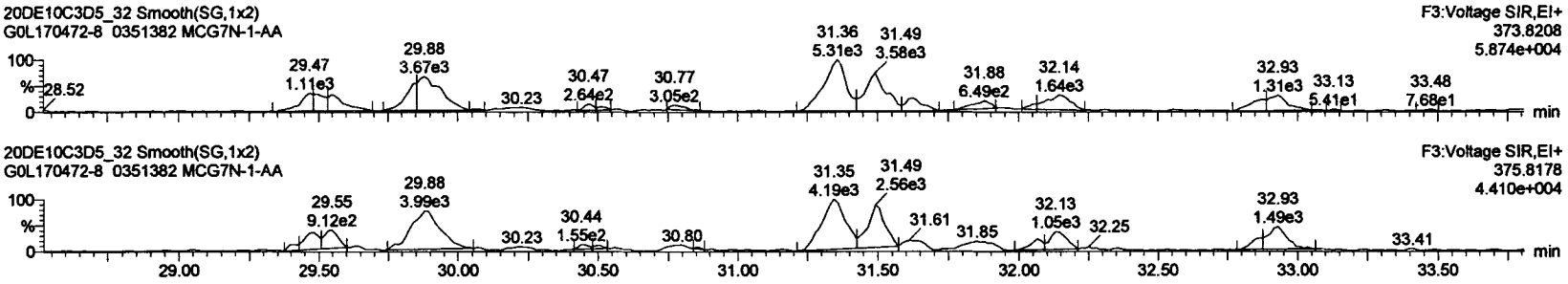
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

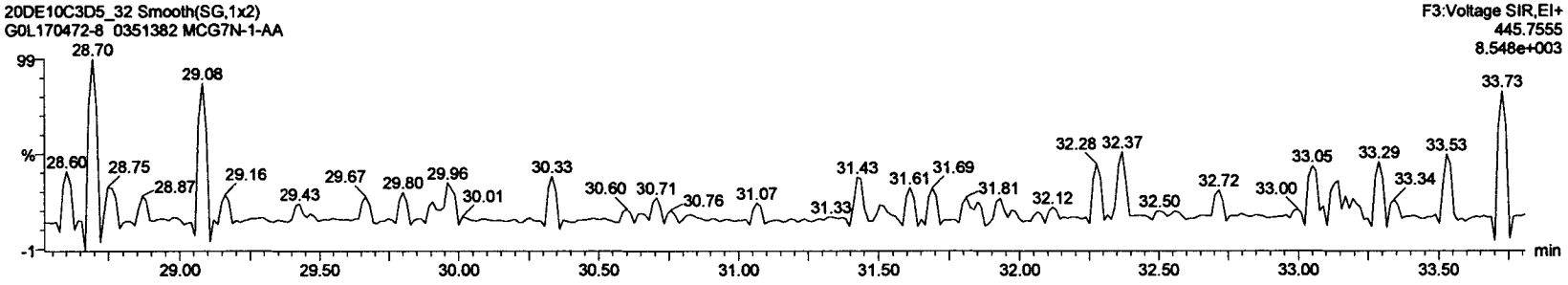
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

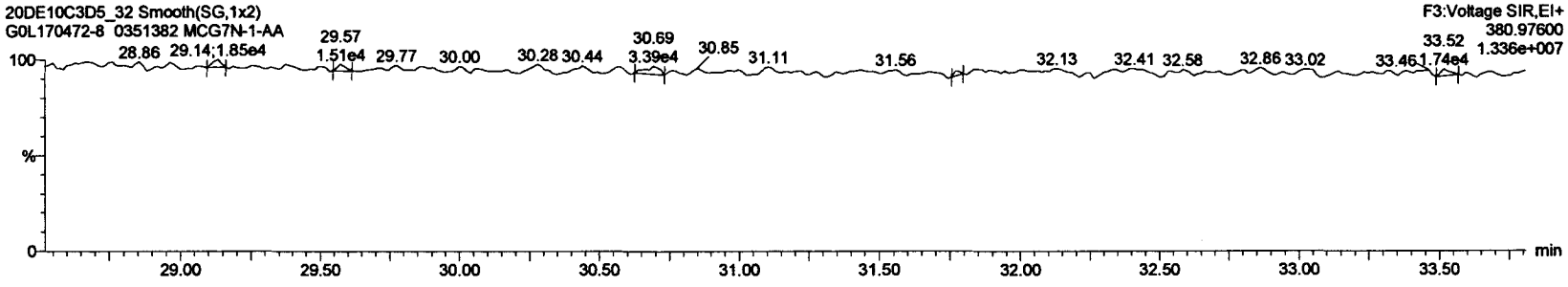
HxCDFs



HxCDF PCDPE



Function 3 PFK



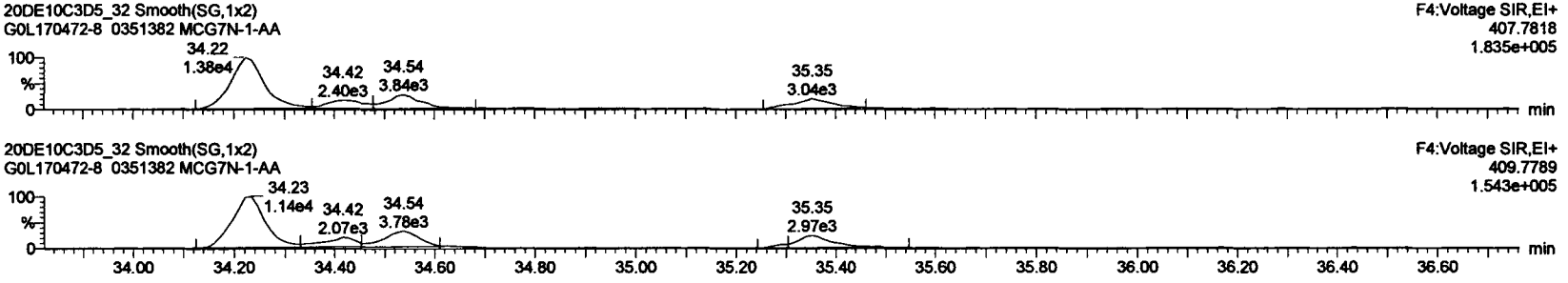
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

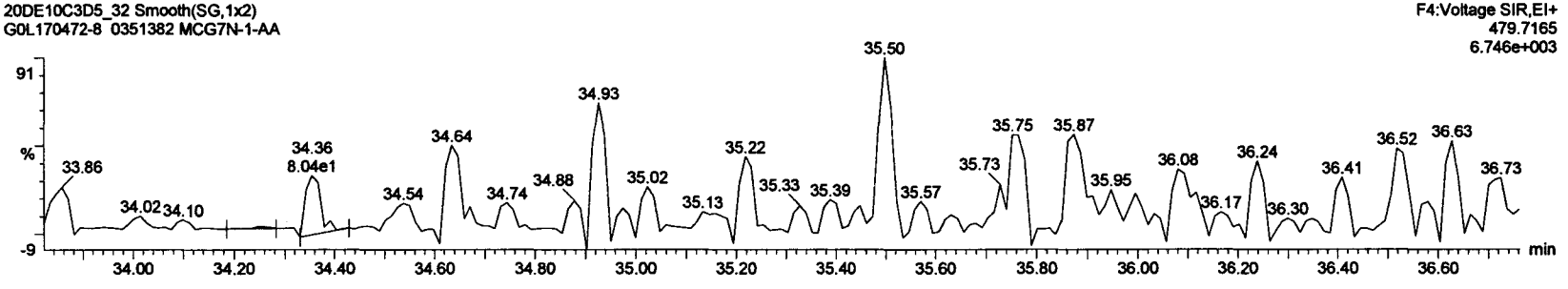
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

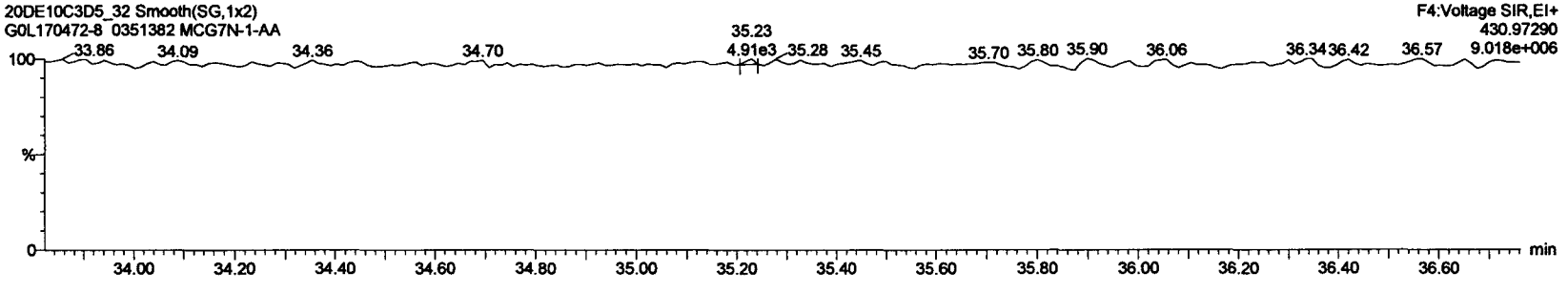
HpCDFs



HpCDF PCDPE



Function 4 PFK



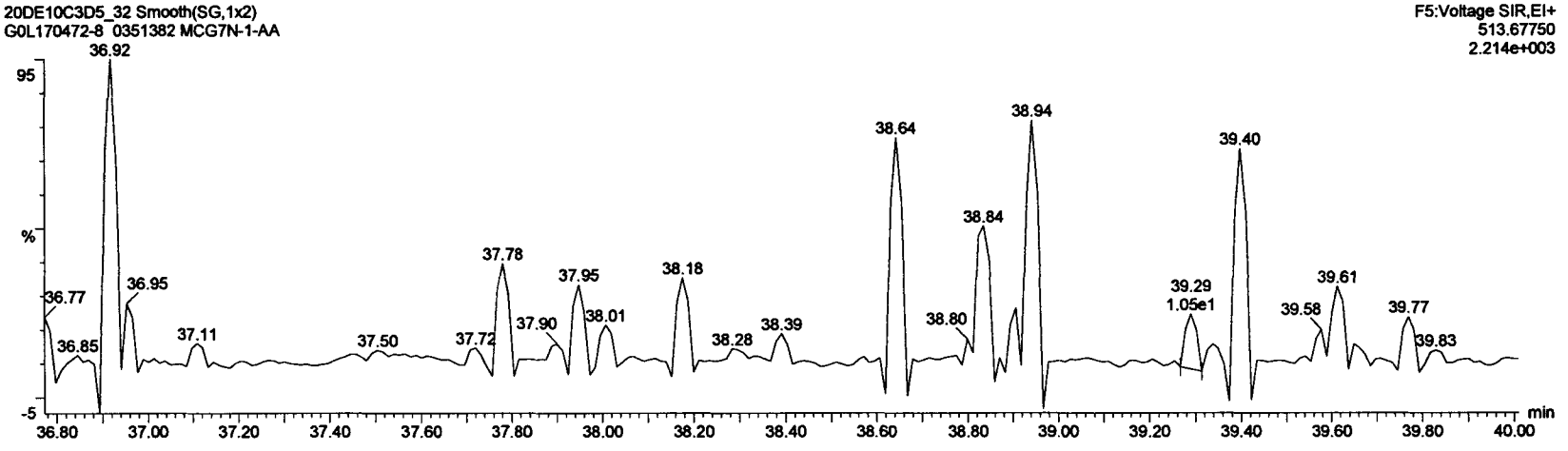
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

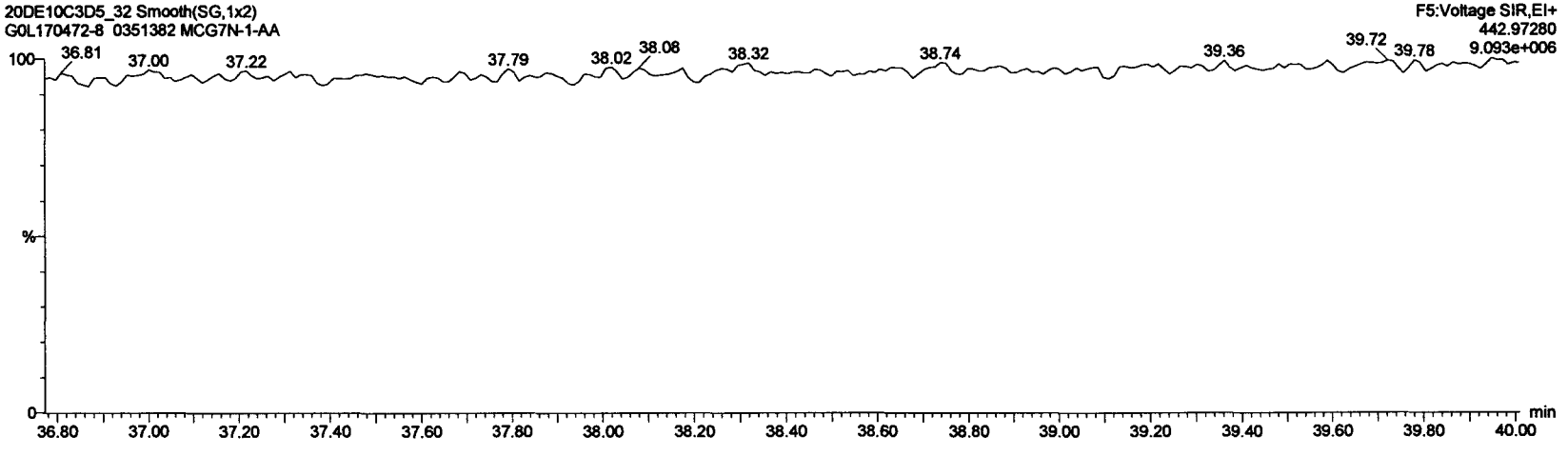
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_32, Date: 21-Dec-2010, Time: 16:04:22, ID: MCG7N-1-AA, Description: G0L170472-8 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:50:50 Pacific Standard Time

V8 12.22.10

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_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.69	18.69	1.000	3201791.63	4000.0000	4000.0000 100.0	3.3510	0.782	0.770	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.13	18.17	1.330	3841431.00	3608.5244	3608.5244 90.2	1.6201	0.798	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.14	0.972	11006.02	11.7964	11.7964 J	0.4791	0.748	0.770	NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		83.8603	83.8603 ✓	0.4791				
6														
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.88	18.89	0.890	2576912.13	3617.5363	3617.5363 90.4	3.7655	0.786	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000		18.91	1.009			ND	0.6854		0.770		
9	Total TCDDs	319.8965	0.50000		19.55	1.009		5.1336	4.9622 ✓	0.6854				
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.90	18.89	0.649	742433.06	1774.6074	0.0000 110.9	1.8274				
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.53	0.971	2963203.00	3813.6641	3813.6641 95.3	2.5679	1.581	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.53	23.53	1.069	5944.01	7.5051	7.5051 J	0.7894	1.553	1.550	NO	22-Dec-10
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.96	24.95	1.028	3167.95	4.1582	4.1582 J	0.8206	1.357	1.550	NO	22-Dec-10
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		51.9076	51.7327	~~0.8047~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		6.5072	+ 6.5072 = 58.24 ✓	~~0.6795~~				
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.74	0.715	2178349.19	3804.9670	3804.9670 95.1	3.3619	1.532	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000		25.73	0.884			ND	1.1569		1.550		
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		4.9608	~~4.9608~~ 2.6104	~~1.1569~~ 12/23/10 mc				
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.68	32.74	1.000	2146381.75	4000.0000	4000.0000 100.0	5.6994	1.304	1.240	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.34	31.36	1.084	1996563.31	3431.2262	3431.2262 85.8	5.2596	0.516	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.36	31.37	1.219	6895.61	11.3376	11.3376 J	0.9874	1.319	1.240	NO	22-Dec-10
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.50	31.50	1.396	6727.20	9.6526	9.6526 J	0.8617	1.248	1.240	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.14	32.14	1.237	1331.89	2.1563	1.9849 JQ	0.9723	1.039	1.240	YES	22-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.89	32.85	1.078	755.10	1.4031	1.4031 J ✓	1.1159	1.160	1.240	NO	22-Dec-10
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		63.2600	61.3130 ✓	0.9761				
31														

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:50:50 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.38	32.38	0.894	2116675.81	4409.9636	4409.9636	110.2	6.3718	1.287	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.40	32.32	1.028	296.37	0.5450	~~0.5450~~		0.6450	1.200	1.240	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.14	32.40	1.111	500.21	0.8512	0.7086 DC		~~0.5966~~	1.691	1.240	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.66	32.69	1.113	416.94	0.7081	~~0.4237~~		0.5956	2.743	1.240	YES	
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		6.8273	~~5.3561~~		~~0.6116~~				
37									1.05 DC						
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.22	34.20	0.881	1686125.88	3567.4758	3567.4758	89.2	9.9828	0.455	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.22	34.23	1.402	20761.70	35.1388	35.1388 JB		0.6926	1.123	1.040	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.34	35.34	1.199	5679.49	11.2362	11.2362 J ✓		0.8095	1.177	1.040	NO	22-Dec-10
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		65.3999	65.3999 ✓		0.7465				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.04	35.01	0.857	1634932.56	3553.5936	3553.5936	88.8	8.1196	1.079	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.05	35.05	0.981	2309.65	5.7597	5.7597 JB		1.2005	0.910	1.040	NO	22-Dec-10
45	Total HpCDDs	423.7766	0.50000		-0.04	0.981		13.7817	~~13.6426~~ ✓		1.2005				
46									12.09 ✓						
47	13C-OCDD	469.7779	0.50000	37.51	37.44	0.643	2557387.13	7410.1381	7410.1381	92.6	13.7555	0.946	0.890	NO	
48	OCDF	441.7428	0.50000	37.61	37.61	1.477	39249.07	83.1236	83.1236 J		2.0970	0.885	0.890	NO	22-Dec-10
49	OCDD	457.7377	0.50000	37.52	37.52	1.196	5960.25	15.5867	15.5867 JB		1.1971	0.874	0.890	NO	22-Dec-10
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 PCDPE	375.8364	1.00000		20.25	17.814					0.0000				
58	F1 PeCDF PCDPE	409.79740	1.00000	19.31	19.31	97.109	105.38	1.0852		108.5	0.7697				
59	F2 PeCDF PCDPE	409.7974	1.00000	28.32	28.29	51.063	118.33	2.3174		231.7	1.7698				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.20	34.27	39.173	14.16	0.3614		36.1	5.0320				
62	OCDF PCDPE	513.67750	1.00000	39.15	39.16	27.302	9.04	0.3310		33.1	1.4782				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:50:50 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_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.39	15132.322	16.2191	16.2191	0.97151	0.4791	0.857	0.770	NO 86.099
	5 Total TCDFs	303.9016	16.10	1763.292	1.8899	1.8899	0.97151	0.4791	0.818	0.770	NO 14.278
	5 Total TCDFs	303.9016	15.94	1656.265	1.7752	1.7752	0.97151	0.4791	0.655	0.770	NO 11.804
	5 Total TCDFs	303.9016	15.57	4223.103	4.5264	4.5264	0.97151	0.4791	0.701	0.770	NO 33.523
	5 Total TCDFs	303.9016	18.60	1312.060	1.4063	1.4063	0.97151	0.4791	0.794	0.770	NO 7.043
	4 2,3,7,8-TCDF	303.9016	18.17	11006.024	11.7964	11.7964	0.97151	0.4791	0.748	0.770	NO 57.977
	5 Total TCDFs	303.9016	17.98	2268.156	2.4310	2.4310	0.97151	0.4791	0.872	0.770	NO 8.647
	5 Total TCDFs	303.9016	17.75	7090.918	7.6002	7.6002	0.97151	0.4791	0.822	0.770	NO 44.379
	5 Total TCDFs	303.9016	17.57	6807.982	7.2969	7.2969	0.97151	0.4791	0.685	0.770	NO 42.832
	5 Total TCDFs	303.9016	17.46	6342.932	6.7985	6.7985	0.97151	0.4791	0.792	0.770	NO 29.549
	5 Total TCDFs	303.9016	17.17	6524.194	6.9927	6.9927	0.97151	0.4791	0.678	0.770	NO 45.579
	5 Total TCDFs	303.9016	16.95	4358.188	4.6712	4.6712	0.97151	0.4791	0.738	0.770	NO 26.849
	5 Total TCDFs	303.9016	16.89	2260.538	2.4229	2.4229	0.97151	0.4791	0.740	0.770	NO 23.560
	5 Total TCDFs	303.9016	16.63	7495.293	8.0336	8.0336	0.97151	0.4791	0.825	0.770	NO 38.736

Total TCDDs

	9 Total TCDDs	319.8965	17.72	939.408	1.4455	1.4455	1.00877	0.6854	0.877	0.770	NO 6.420
	9 Total TCDDs	319.8965	16.84	1451.131	2.2329	2.2329	1.00877	0.6854	0.859	0.770	NO 11.368
	9 Total TCDDs	319.8965	16.54	945.648	1.4551	1.2837	1.00877	0.6854	1.006	0.770	YES 7.572

Total F2 PeCDFs

	1. Total F2 PeCD...	339.8597	24.09	3139.678	4.0411	4.0411	1.04877	0.8047	1.468	1.550	NO 7.479
	1. 1,2,3,7,8-PeCDF	339.8597	23.53	5944.013	7.5051	7.5051	1.06912	0.7894	1.553	1.550	NO 15.107
	1. Total F2 PeCD...	339.8597	23.38	2040.505	2.6264	2.4514	1.04877	0.8047	1.311	1.550	YES 7.719
	1. Total F2 PeCD...	339.8597	23.01	3832.575	4.9330	4.9330	1.04877	0.8047	1.646	1.550	NO 12.370
	1. Total F2 PeCD...	339.8597	22.91	1917.956	2.4686	2.4686	1.04877	0.8047	1.579	1.550	NO 7.463
	1. Total F2 PeCD...	339.8597	22.33	2148.443	2.7653	2.7653	1.04877	0.8047	1.387	1.550	NO 7.268
	1. Total F2 PeCD...	339.8597	22.06	15066.947	19.3929	19.3929	1.04877	0.8047	1.474	1.550	NO 38.083
	1. Total F2 PeCD...	339.8597	21.87	3120.950	4.0170	4.0170	1.04877	0.8047	1.410	1.550	NO 11.325
	1. 2,3,4,7,8-PeCDF	339.8597	24.96	3167.947	4.1582	4.1582	1.02843	0.8206	1.357	1.550	NO 7.905

Total F1 PeCDFs

	1. Total F1 PeCD...	339.8597	20.40	5055.620	6.5072	6.5072	1.04877	0.6795	1.518	1.550	NO 27.057

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

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:50:50 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

Total PeCDDs

2. Total PeCDDs	355.8546	23.56	1256.796	2.6104	2.6104	0.88408	1.1569	1.555	1.550	NO 5.406
2. Total PeCDDs	355.8546	22.28	1131.630	2.3504	2.3504	0.88408	1.1569	1.722	1.550	NO 5.644

Total HxCDFs

3. Total HxCDFs	373.8208	32.10	1360.660	2.2116	2.0287	1.23262	0.9761	1.032	1.240	YES 8.436
3. Total HxCDFs	373.8208	31.89	1819.548	2.9574	2.9574	1.23262	0.9761	1.139	1.240	NO 7.211
3. Total HxCDFs	373.8208	31.64	1348.098	2.1911	1.9146	1.23262	0.9761	1.564	1.240	YES 8.074
2. 1,2,3,6,7,8-Hx...	373.8208	31.50	6727.197	9.6526	9.6526	1.39626	0.8617	1.248	1.240	NO 32.912
2. 1,2,3,4,7,8-Hx...	373.8208	31.36	6895.613	11.3376	11.3376	1.21851	0.9874	1.319	1.240	NO 35.935
3. Total HxCDFs	373.8208	30.77	1155.007	1.8773	1.8773	1.23262	0.9761	1.068	1.240	NO 7.226
3. Total HxCDFs	373.8208	30.47	1188.989	1.9325	1.9325	1.23262	0.9761	1.293	1.240	NO 5.655
3. Total HxCDFs	373.8208	29.92	8936.814	14.5255	14.5255	1.23262	0.9761	1.124	1.240	NO 28.100
3. Total HxCDFs	373.8208	29.55	4782.231	7.7728	6.7291	1.23262	0.9761	0.920	1.240	YES 17.902
3. Total HxCDFs	373.8208	32.97	1445.967	2.3502	2.0778	1.23262	0.9761	0.959	1.240	YES 11.527
2. 2,3,4,6,7,8-Hx...	373.8208	32.14	1331.886	2.1563	1.9849	1.23749	0.9723	1.039	1.240	YES 10.820
3. Total HxCDFs	373.8208	31.32	1779.379	2.8921	2.8921	1.23262	0.9761	1.081	1.240	NO 22.481
2. 1,2,3,7,8,9-Hx...	373.8208	32.89	755.103	1.4031	1.4031	1.07822	1.1159	1.160	1.240	NO 5.903

Total HxCDDs

3. Total HxCDDs	389.8157	32.86	248.464	0.4333	0.0905	1.08365	0.6116	9.728	1.240	YES 1.707
3. 1,2,3,7,8,9-Hx...	389.8157	32.66	416.940	0.7081	0.4237	1.11276	0.5956	2.743	1.240	YES 4.610
3. 1,2,3,4,7,8-Hx...	389.8157	32.40	296.368	0.5450	0.5450	1.02768	0.6450	1.200	1.240	NO 3.752
3. 1,2,3,6,7,8-Hx...	389.8157	32.14	500.208	0.8512	0.7086	1.11052	0.5968	1.691	1.240	YES 4.462
3. Total HxCDDs	389.8157	31.69	466.630	0.8137	0.5773	1.08365	0.6116	2.158	1.240	YES 6.005
3. Total HxCDDs	389.8157	31.50	359.098	0.6262	0.6262	1.08365	0.6116	1.188	1.240	NO 5.474
3. Total HxCDDs	389.8157	31.42	378.541	0.6601	0.5438	1.08365	0.6116	1.719	1.240	YES 7.356
3. Total HxCDDs	389.8157	31.37	677.017	1.1806	1.0541	1.08365	0.6116	1.509	1.240	YES 7.564
3. Total HxCDDs	389.8157	30.92	81.598	0.1423	0.0750	1.08365	0.6116	3.249	1.240	YES 0.883
3. Total HxCDDs	389.8157	30.73	497.026	0.8668	0.7109	1.08365	0.6116	0.832	1.240	YES 7.018

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:50:50 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

Total HpCDFs

	3. 1,2,3,4,6,7,8-H...	407.7818	34.22	20761.698	35.1388	35.1388	1.40167	0.6926	1.123	1.040	NO 182.381
	4. 1,2,3,4,7,8,9-H...	407.7818	35.34	5679.486	11.2362	11.2362	1.19912	0.8095	1.177	1.040	NO 37.639
	4. Total HpCDFs	407.7818	34.55	6560.510	11.9683	11.9683	1.30039	0.7465	1.106	1.040	NO 45.555
	4. Total HpCDFs	407.7818	34.43	3868.112	7.0566	7.0566	1.30039	0.7465	1.009	1.040	NO 34.942

Total HpCDDs

	4. 1,2,3,4,6,7,8-H...	423.7766	35.05	2309.651	5.7597	5.7597	0.98108	1.2005	0.910	1.040	NO 13.330
	4. Total HpCDDs	423.7766	35.01	677.819	~~1.6903~~	~~1.5512~~	0.98108	1.2005	1.223	1.040	YES 11.847
	4. Total HpCDDs	423.7766	34.49	2539.005	6.3317	6.3317	0.98108	1.2005	1.144	1.040	NO 16.966

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:30 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_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.69	18.69	1.00000		3201791.63	4000.0000	4000.0000	100.0	3.35099	0.78	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.13	18.17	1.32993		3841431.00	3608.5244	3608.5244	90.2	1.62013	0.80	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.14	0.97151		11006.02	11.7964	11.7964		0.47906	0.75	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.97151			83.6994	82.1574		0.47906			
6															
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.88	18.89	0.88993		2576912.13	3617.5363	3617.5363	90.4	3.76547	0.79	NO	
8	2,3,7,8-TCDD	319.8965	0.500	18.76	18.91	1.00877		195.84	~~0.3014~~	~~0.1435~~		0.68539	2.72	YES	
9	Total TCDDs	319.8965	0.500		19.55	1.00877			5.2875	4.3696		0.68539			
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.90	18.89	0.64940		742433.06	1774.6074	0.0000	110.9	1.82738			
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.53	0.97070		2963203.00	3813.6641	3813.6641	95.3	2.56791	1.58	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.06912		5749.57	7.2595	7.2595		0.78941	1.69	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.96	24.95	1.02843		2542.13	3.3367	2.5871		0.82064	0.89	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877			50.2696	48.8609		0.80472			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877			6.5072	6.5072		0.67951			
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.74	0.71523		2178349.19	3804.9670	3804.9670	95.1	3.36193	1.53	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		25.73	0.88408						1.15694		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408			2.6170	1.7163		1.15694			
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.00000		2146381.75	4000.0000	4000.0000	100.0	5.69945	1.30	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.35	31.36	1.08439		1996563.31	3431.2262	3431.2262	85.8	5.25958	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.36	31.37	1.21851		8794.90	14.4603	14.4603		0.98742	1.29	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.50	1.39626		6727.20	9.6526	9.6526		0.86172	1.25	NO	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.06	32.14	1.23749		691.47	1.1195	0.2495		0.97228	0.14	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.97	32.85	1.07822		898.81	1.6701	0.9445		1.11590	0.46	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262			51.8804	44.3247		0.97612			
31															

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:30 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.89448	2116675.81	4409.9636	4409.9636	110.2	6.37177	1.29	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.40	32.32	~~1.02768~~ .815	296.37	0.5450	~~0.5450~~		0.64495	1.20	NO	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.14	32.40	1.11052	500.21	0.8512	~~0.7086~~		0.59684	1.69	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.66	32.69	1.11276	416.94	0.7081	~~0.4237~~		0.59564	2.74	YES	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365		6.5768	~~4.8090~~ 1.05 DL		~~0.61164~~			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.22	34.20	0.88081	1686125.88	3567.4758	3567.4758	89.2	9.98281	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.22	34.23	1.40167	20761.70	35.1388	35.1388 J		0.69256	1.12	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.34	35.34	1.19912	5313.23	10.5116	9.0518 JQ		0.80955	1.37	YES	
41	Total HpCDFs	407.7818	0.500		0.00	1.30039		64.6753	63.2155		0.74650			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.04	35.01	0.85740	1634932.56	3553.5936	3553.5936	88.8	8.11964	1.08	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.05	0.98108	1250.79	3.1192	1.9411		1.20052	0.46	YES	
45	Total HpCDDs	423.7766	0.500		-0.04	0.98108		15.4416	11.2919		1.20052			
46														
47	13C-OCDD	469.7779	0.500	37.50	37.44	0.64317	2557387.13	7410.1381	7410.1381	92.6	13.75553	0.95	NO	
48	OCDF	441.7428	0.500	37.61	37.61	1.47706	35639.01	75.4781	75.4781		2.09703	0.96	NO	
49	OCDD	457.7377	0.500	37.52	37.52	1.19620	4413.95	11.5430	11.5430		1.19711	1.01	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 PCDPE	375.8364	1.000		20.25	17.814...					0.00000			
58	F1 PeCDF PCDPE	409.79740	1.000	19.31	19.31	97.109...	105.38	1.0852		108.5	0.76966			
59	F2 PeCDF PCDPE	409.7974	1.000	28.32	28.29	51.062...	118.33	2.3174		231.7	1.76979			
60	HXCDF PCDPE	445.7555	1.000		33.24	21.190...					0.00000			
61	HPCDF PCDPE	479.7165	1.000	34.20	34.27	39.173...	14.16	0.3614		36.1	5.03196			
62	OCDF PCDPE	513.67750	1.000	39.15	39.16	27.302...	9.04	0.3310		33.1	1.47815			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:30 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_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382, 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	15132.322	16.2191	16.2191	0.97151	0.4791	0.857	0.770	NO	86.099
2	5	Total TCDFs	303.9016	16.10	1763.292	1.8899	1.8899	0.97151	0.4791	0.818	0.770	NO	14.278
3	5	Total TCDFs	303.9016	15.94	1656.265	1.7752	1.7752	0.97151	0.4791	0.655	0.770	NO	11.804
4	5	Total TCDFs	303.9016	15.57	4223.103	4.5264	4.5264	0.97151	0.4791	0.701	0.770	NO	33.523
5	5	Total TCDFs	303.9016	18.60	1312.060	1.4063	1.4063	0.97151	0.4791	0.794	0.770	NO	7.043
6	4	2,3,7,8-TCDF	303.9016	18.17	11006.024	11.7964	11.7964	0.97151	0.4791	0.748	0.770	NO	57.977
7	5	Total TCDFs	303.9016	17.98	2268.156	2.4310	2.4310	0.97151	0.4791	0.872	0.770	NO	8.647
8	5	Total TCDFs	303.9016	17.75	7090.918	~~7.6002~~	~~7.6002~~	0.97151	0.4791	0.822	0.770	NO	44.379 DP
9	5	Total TCDFs	303.9016	17.57	6616.092	7.0912	6.3482	0.97151	0.4791	0.638	0.770	YES	42.832
10	5	Total TCDFs	303.9016	17.46	6477.536	6.9427	6.9427	0.97151	0.4791	0.830	0.770	NO	29.549
11	5	Total TCDFs	303.9016	17.18	6524.194	6.9927	6.9927	0.97151	0.4791	0.678	0.770	NO	45.579
12	5	Total TCDFs	303.9016	16.95	3868.160	4.1460	3.8273	0.97151	0.4791	0.917	0.770	YES	26.284
13	5	Total TCDFs	303.9016	16.89	2657.695	2.8486	2.3683	0.97151	0.4791	0.567	0.770	YES	24.119
14	5	Total TCDFs	303.9016	16.63	7495.293	8.0336	8.0336	0.97151	0.4791	0.824	0.770	NO	38.736

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	%EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	9	Total TCDDs	319.8965	21.20	300.290	0.4621	~~0.4621~~	1.00877	0.6854	0.743	0.770	NO	3.477 DL
2	8	2,3,7,8-TCDD	319.8965	18.76	195.842	0.3014	~~0.1435~~	1.00877	0.6854	2.717	0.770	YES	2.257
3	9	Total TCDDs	319.8965	17.72	673.134	1.0358	0.7081	1.00877	0.6854	1.589	0.770	YES	5.184
4	9	Total TCDDs	319.8965	16.84	1321.288	2.0331	1.7722	1.00877	0.6854	1.031	0.770	YES	10.627
5	9	Total TCDDs	319.8965	16.54	945.648	1.4551	1.2837	1.00877	0.6854	1.006	0.770	YES	7.572

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	%EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total F2 PeCD...	339.8597	24.09	3139.678	4.0411	4.0411	1.04877	0.8047	1.468	1.550	NO	7.479
2	...	1,2,3,7,8-PeCDF	339.8597	23.53	5749.568	7.2595	7.2595	1.06912	0.7894	1.695	1.550	NO	14.024
3	...	Total F2 PeCD...	339.8597	23.38	1689.890	2.1751	1.9851	1.04877	0.8047	1.794	1.550	YES	7.014
4	...	Total F2 PeCD...	339.8597	23.01	3960.481	5.0976	5.0976	1.04877	0.8047	1.513	1.550	NO	12.063
5	...	Total F2 PeCD...	339.8597	22.90	1696.988	2.1842	1.7151	1.04877	0.8047	2.247	1.550	YES	7.319
6	...	Total F2 PeCD...	339.8597	22.33	2148.443	2.7653	2.7653	1.04877	0.8047	1.387	1.550	NO	7.268
7	...	Total F2 PeCD...	339.8597	22.06	15066.947	19.3929	19.3929	1.04877	0.8047	1.474	1.550	NO	38.083
8	...	Total F2 PeCD...	339.8597	21.87	3120.950	4.0170	4.0170	1.04877	0.8047	1.410	1.550	NO	11.325
9	...	2,3,4,7,8-PeCDF	339.8597	24.96	2542.130	3.3367	2.5871	1.02843	0.8206	0.891	1.550	YES	7.905

Total F1 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	%EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total F1 PeCD...	339.8597	20.40	5055.620	6.5072	6.5072	1.04877	0.6795	1.518	1.550	NO	27.057

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:30 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382, Task:

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	....	Total PeCDDs	355.8546	23.56	742.231	1.5416	1.2145	0.88408	1.1569	2.237	1.550	YES	3.617
2	....	Total PeCDDs	355.8546	22.28	517.731	1.0753	0.5017	0.88408	1.1569	4.465	1.550	YES	4.417

Total HxCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	....	2,3,4,6,7,8-Hx...	373.8208	32.06	691.473	1.1195	0.2495	1.23749	0.9723	0.141	1.240	YES	7.966
2	....	Total HxCDFs	373.8208	31.89	1659.638	2.6975	2.3758	1.23262	0.9761	0.951	1.240	YES	7.211
3	....	Total HxCDFs	373.8208	31.64	1348.098	2.1911	1.9146	1.23262	0.9761	1.564	1.240	YES	8.074
4	....	1,2,3,6,7,8-Hx...	373.8208	31.51	6727.197	9.6526	9.6526	1.39626	0.8617	1.248	1.240	NO	32.912
5	....	1,2,3,4,7,8-Hx...	373.8208	31.36	8794.896	14.4603	14.4603	1.21851	0.9874	1.293	1.240	NO	35.922
6	....	Total HxCDFs	373.8208	30.77	679.231	1.1040	0.3544	1.23262	0.9761	0.216	1.240	YES	7.226
7	....	Total HxCDFs	373.8208	30.47	1188.989	1.9325	1.9325	1.23262	0.9761	1.293	1.240	NO	5.655
8	....	Total HxCDFs	373.8208	29.92	7183.979	11.6765	8.7417	1.23262	0.9761	0.708	1.240	YES	28.100
9	....	Total HxCDFs	373.8208	29.55	3307.779	5.3763	3.6989	1.23262	0.9761	2.256	1.240	YES	17.726
10	....	1,2,3,7,8,9-Hx...	373.8208	32.97	898.813	1.6701	0.9445	1.07822	1.1159	0.456	1.240	YES	11.405

	#	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	32.86	248.464	0.4333	0.0905	1.08365	0.6116	9.728	1.240	YES	1.707
2	....	1,2,3,7,8,9-Hx...	389.8157	32.66	416.940	0.7081	0.4237	1.11276	0.5956	2.743	1.240	YES	4.610
3	....	1,2,3,4,7,8-Hx...	389.8157	32.40	296.368	0.5450	0.5450	1.02768	0.6450	1.200	1.240	NO	3.752
4	....	1,2,3,6,7,8-Hx...	389.8157	32.14	500.208	0.8512	0.7086	1.11052	0.5968	1.691	1.240	YES	4.462
5	....	Total HxCDDs	389.8157	31.69	466.630	0.8137	0.5773	1.08365	0.6116	2.158	1.240	YES	6.005
6	....	Total HxCDDs	389.8157	31.51	215.466	0.3757	0.0801	1.08365	0.6116	9.505	1.240	YES	1.401
7	....	Total HxCDDs	389.8157	31.43	378.541	0.6601	0.5438	1.08365	0.6116	1.719	1.240	YES	7.356
8	....	Total HxCDDs	389.8157	31.37	677.017	1.1806	1.0541	1.08365	0.6116	1.509	1.240	YES	7.564
9	....	Total HxCDDs	389.8157	30.92	81.598	0.1423	0.0750	1.08365	0.6116	3.249	1.240	YES	0.883
10	....	Total HxCDDs	389.8157	30.73	497.026	0.8668	0.7109	1.08365	0.6116	0.832	1.240	YES	7.018

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

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	34.22	20761.698	35.1388	35.1388	1.40167	0.6926	1.123	1.040	NO	182.381
2	....	1,2,3,4,7,8,9-H...	407.7818	35.34	5313.230	10.5116	9.0518	1.19912	0.8095	1.369	1.040	YES	34.641
3	....	Total HpCDFs	407.7818	34.55	6560.510	11.9683	11.9683	1.30039	0.7465	1.106	1.040	NO	45.555
4	....	Total HpCDFs	407.7818	34.43	3868.112	7.0566	7.0566	1.30039	0.7465	1.009	1.040	NO	34.942

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:30 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382, Task:

Total HpCDDs

	Type	#	Name	Trace	RT	Abs Reso	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	Re	...	Total HpCDDs	423.7766	35.36	432.695	1.0790	0.8168	0.98108	1.2005	1.695	1.040	YES	3.042
2		...	Total HpCDDs	423.7766	35.32	320.628	0.7996	0.3651	0.98108	1.2005	3.468	1.040	YES	2.443
3		...	1,2,3,4,6,7,8-H...	423.7766	35.05	1250.791	3.1192	1.9411	0.98108	1.2005	0.465	1.040	YES	13.081
4		...	Total HpCDDs	423.7766	35.01	677.819	1.6903	1.5512	0.98108	1.2005	1.223	1.040	YES	11.847
5		...	Total HpCDDs	423.7766	34.49	2361.867	5.8899	5.2650	0.98108	1.2005	1.282	1.040	YES	16.945
6		...	Total HpCDDs	423.7766	34.21	1148.288	2.8636	1.3527	0.98108	1.2005	3.318	1.040	YES	3.447

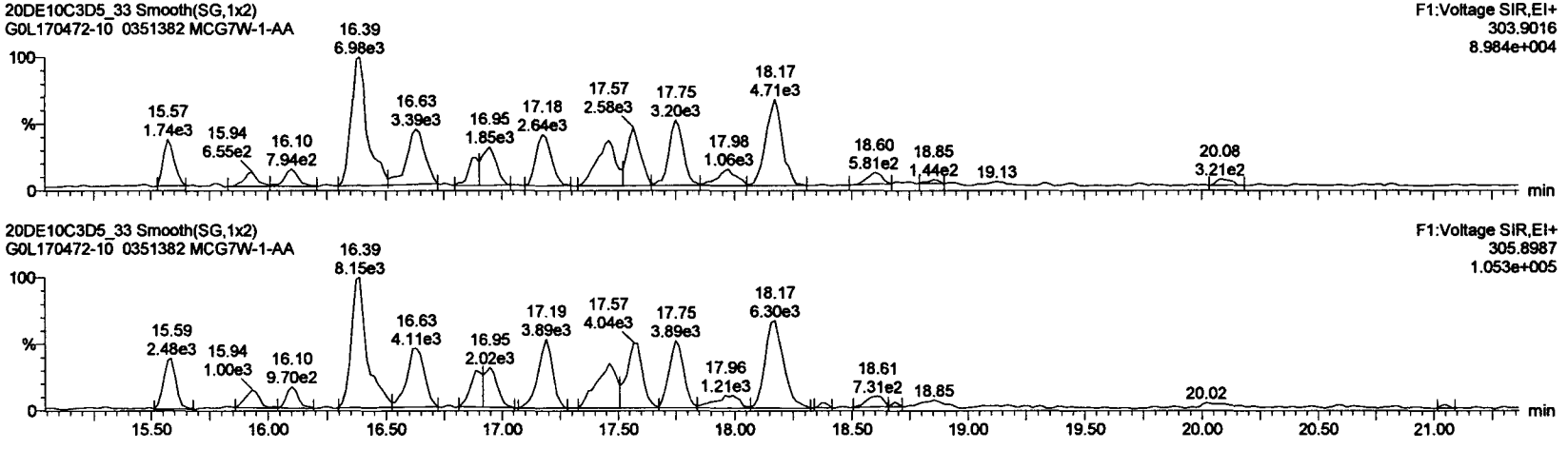
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

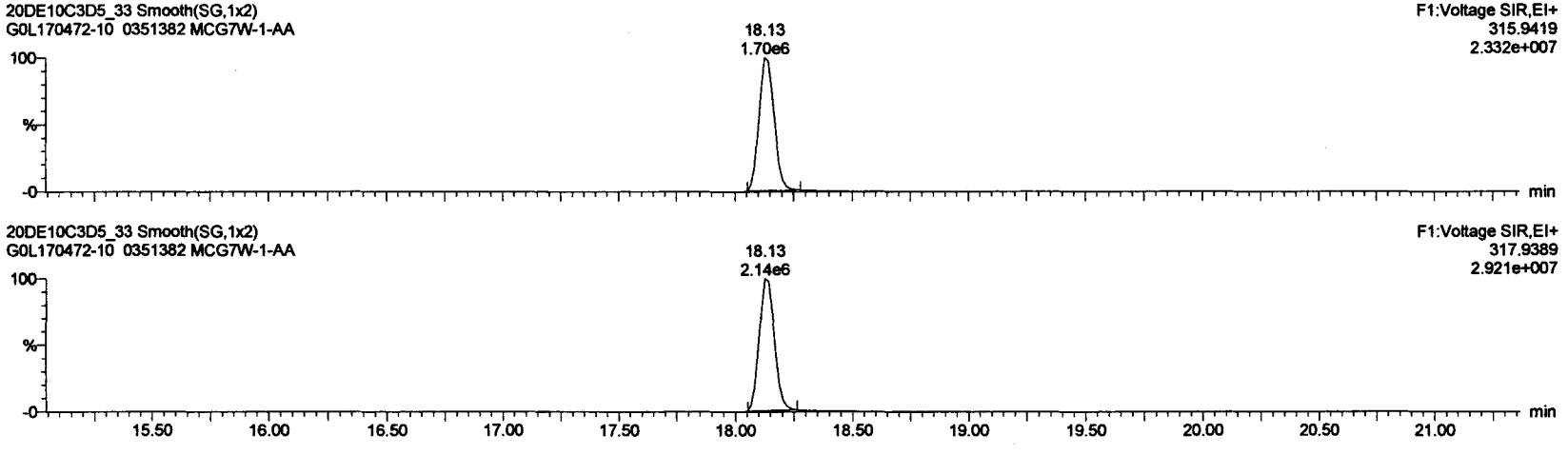
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

TCDFs



13C-TCDF



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

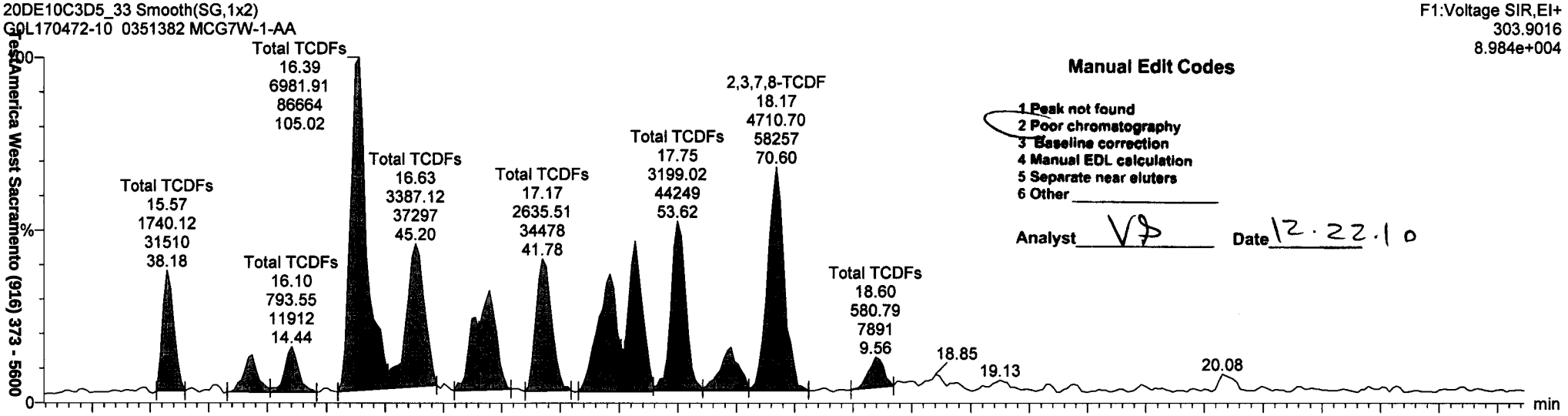
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 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 TCDFs, Chrom. Trace: 303.9016

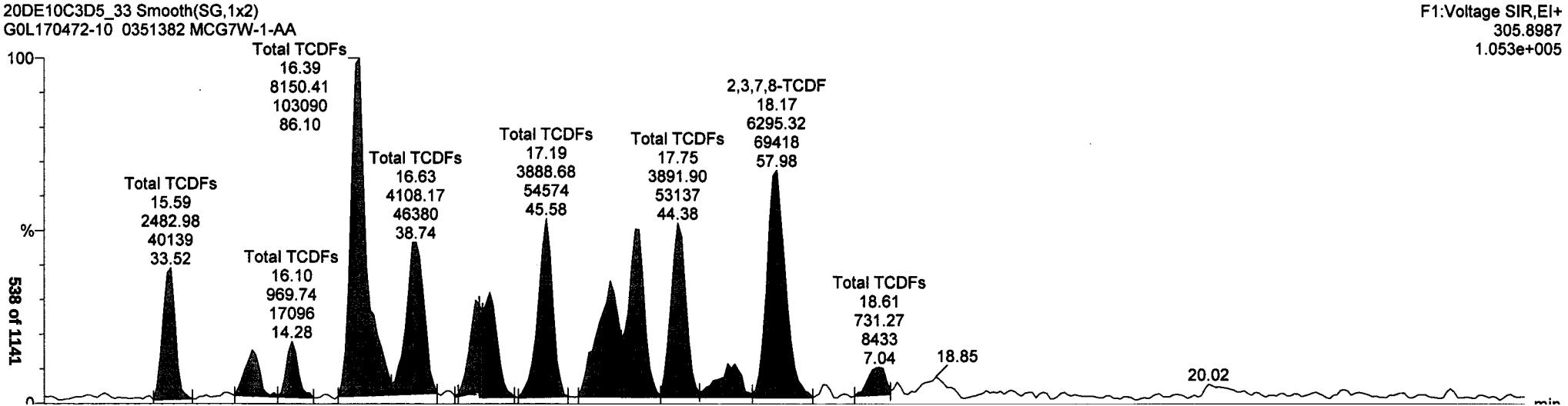
Sample Name: 20DE10C3D5_33



Manual Edit Codes

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

Analyst VP Date 12.22.10



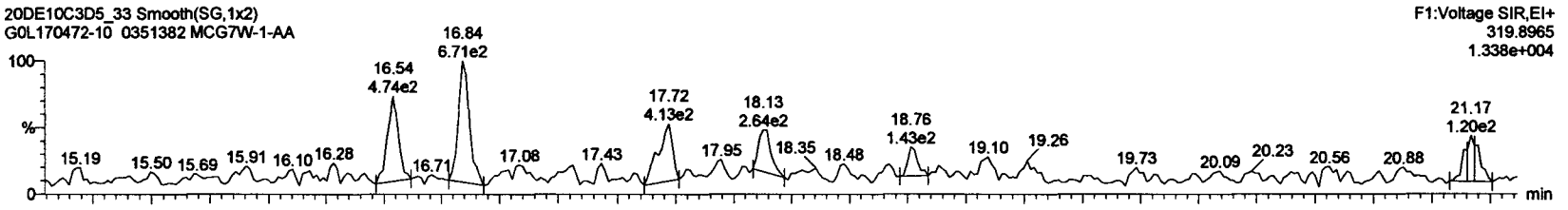
Quantify Sample Report **MassLynx 4.1**

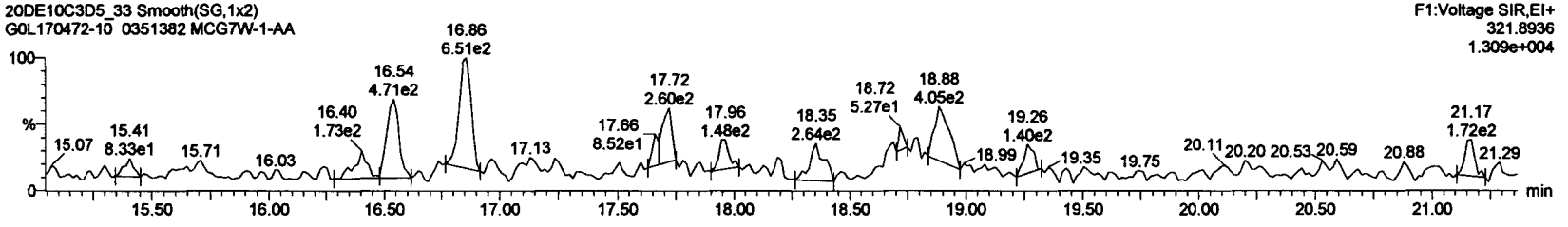
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

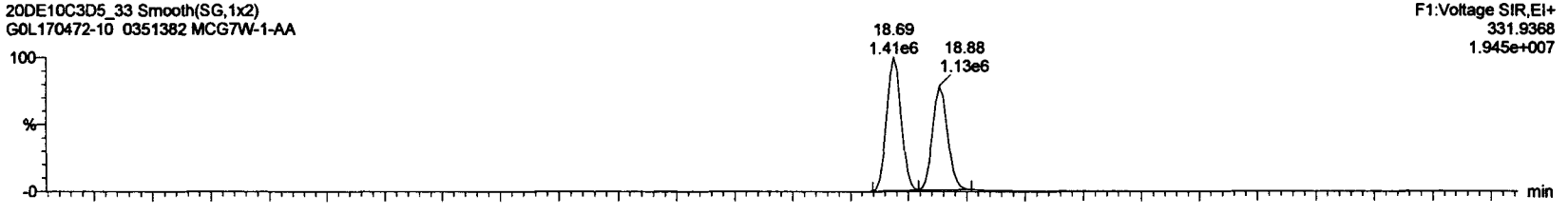
Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

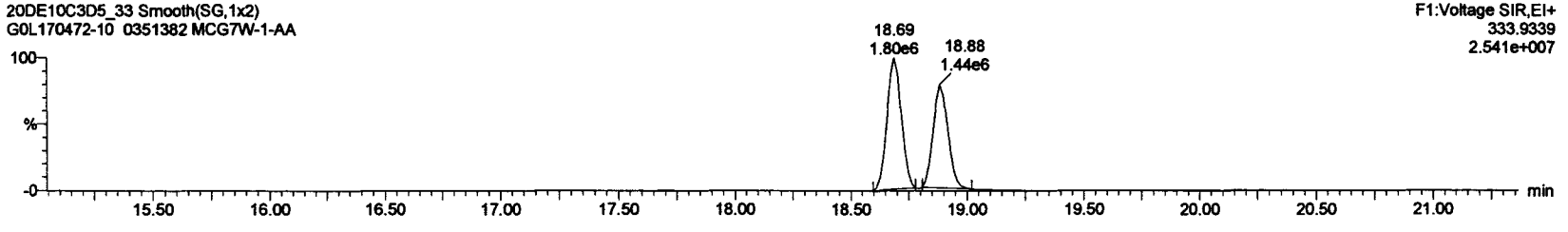
TCDDs





13C-TCDDs



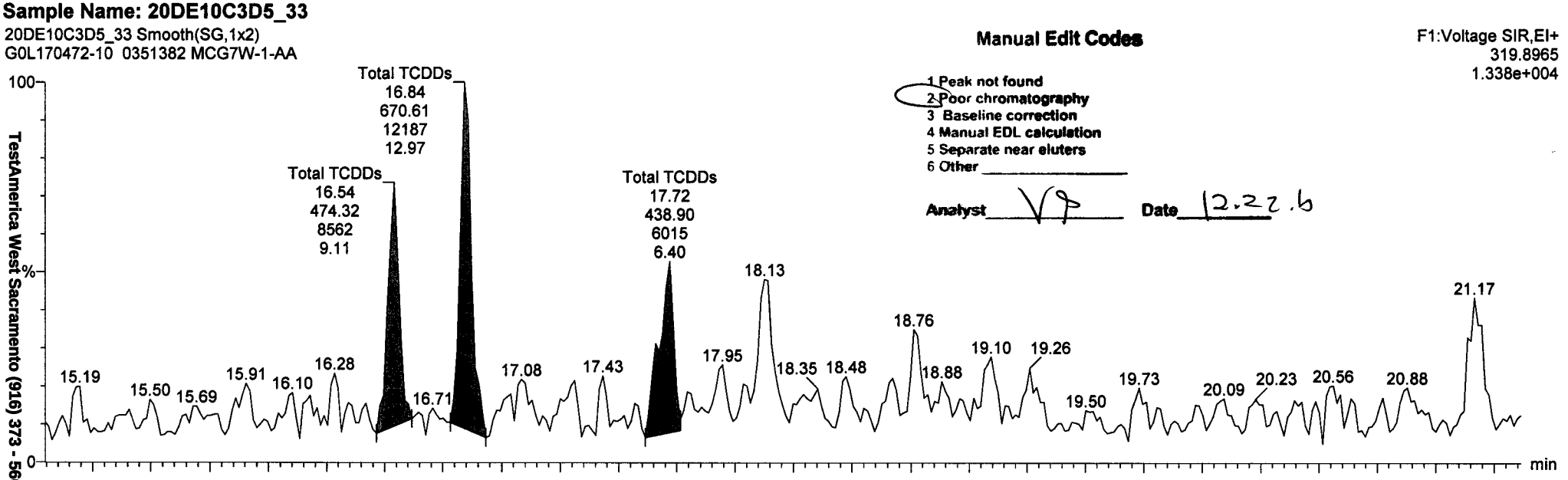


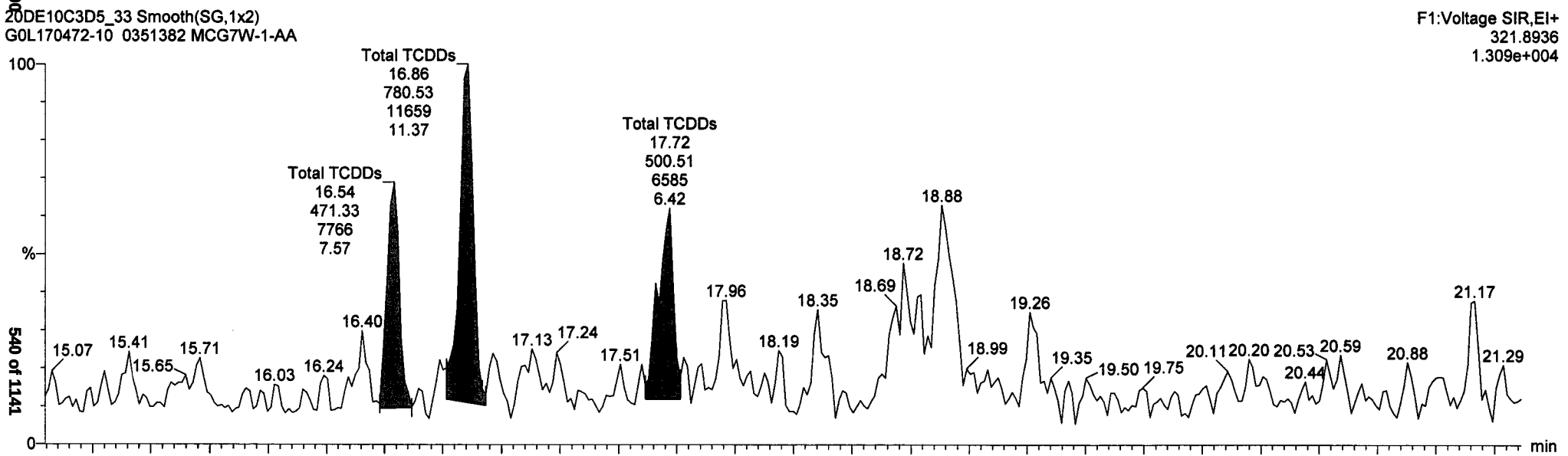
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: Total TCDDs, Chrom. Trace: 319.8965

Sample Name: 20DE10C3D5_33





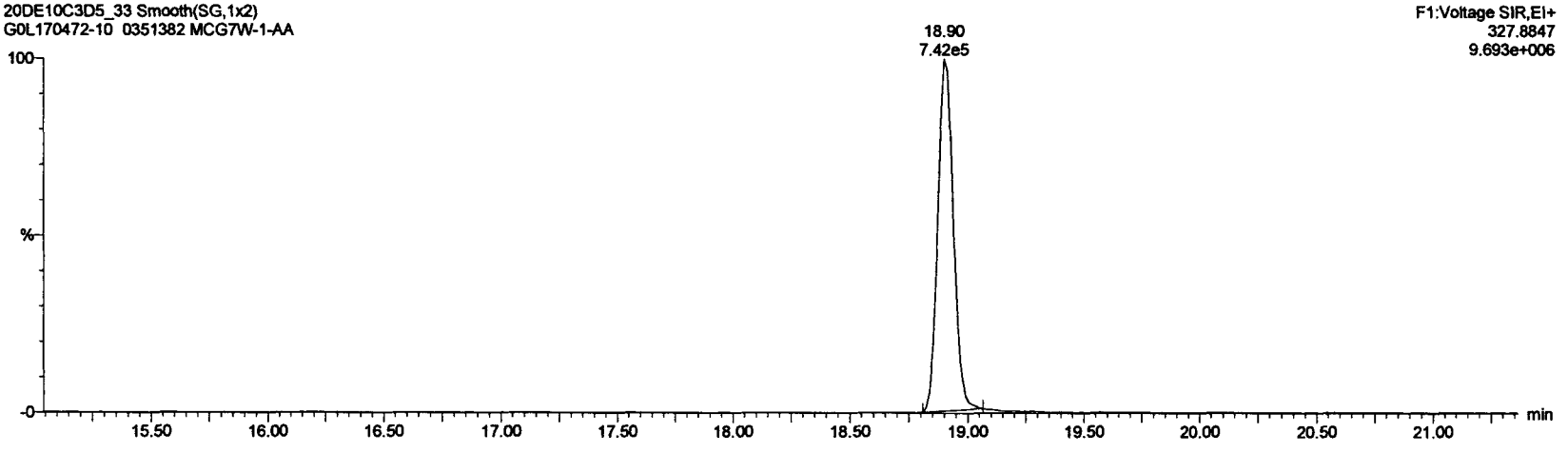
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

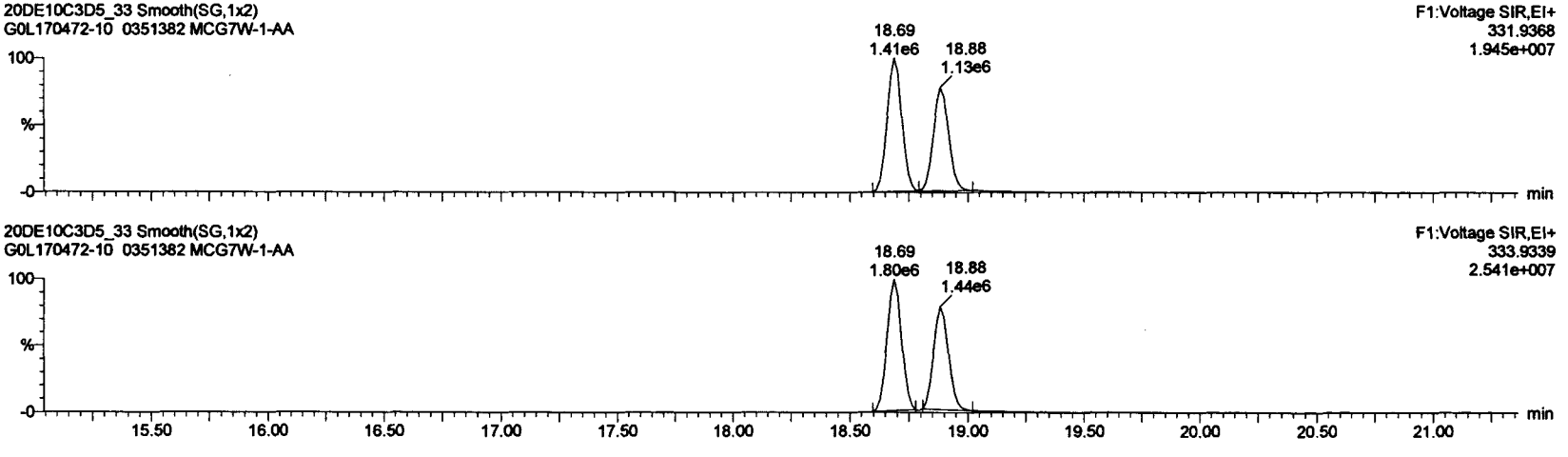
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

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



13C-TCDDs



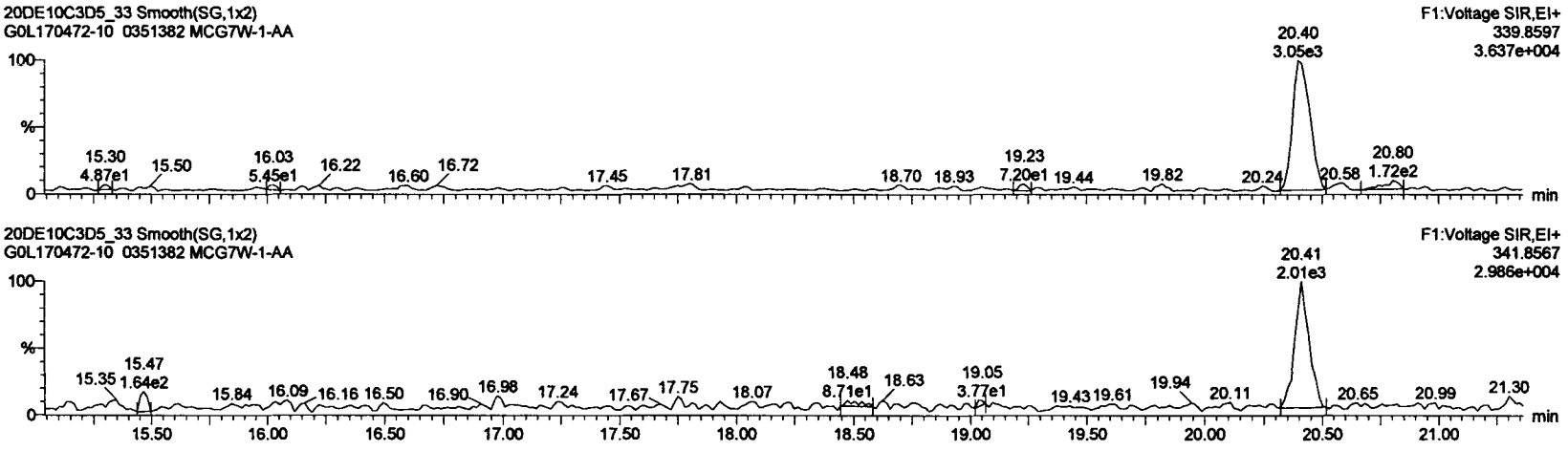
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

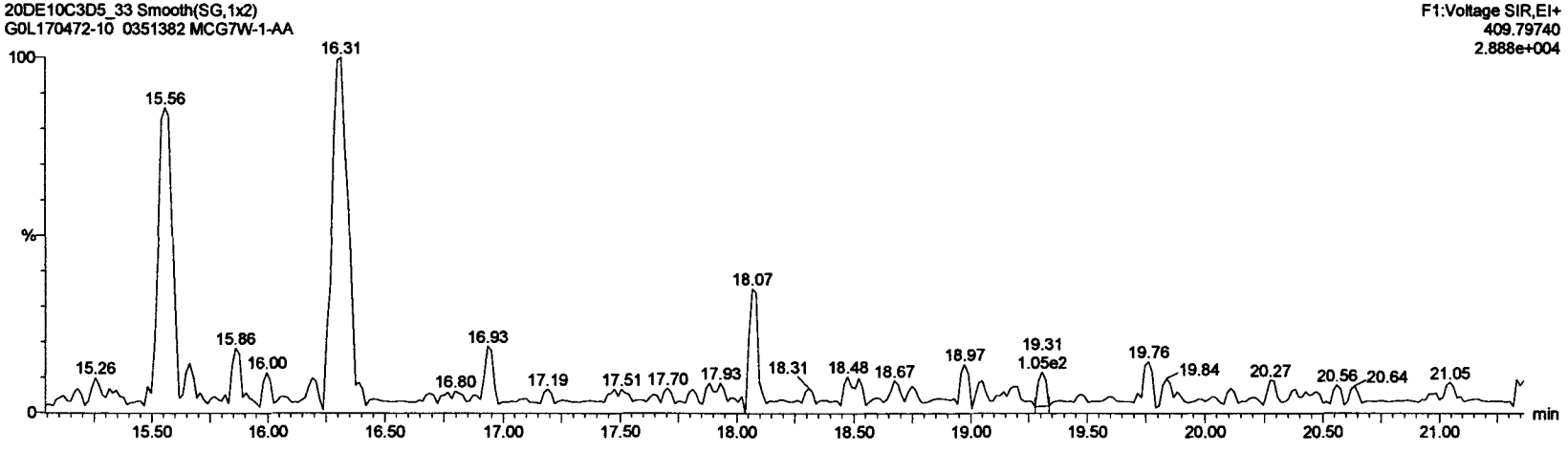
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

F1 PeCDFs



F1 PeCDF PCDPE



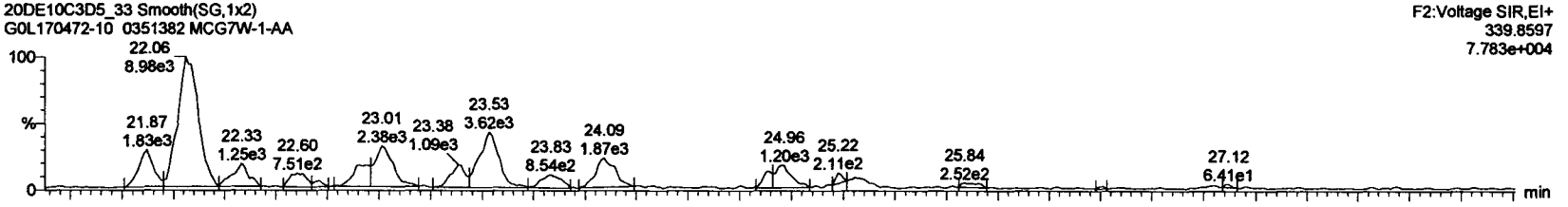
Quantify Sample Report **MassLynx 4.1**

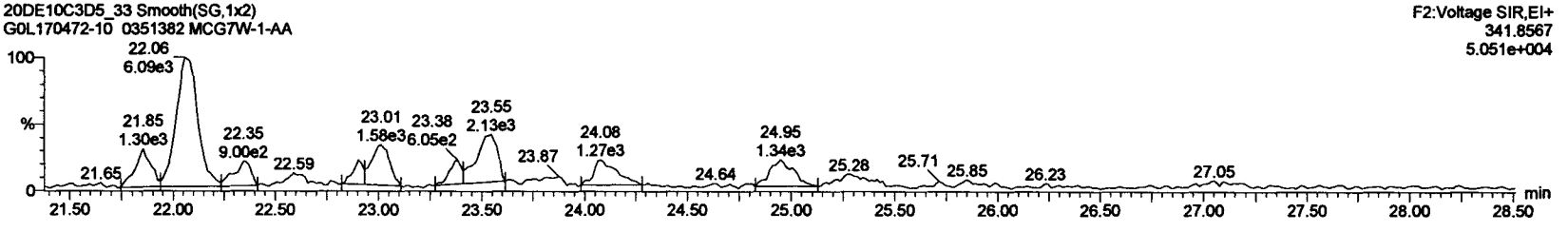
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

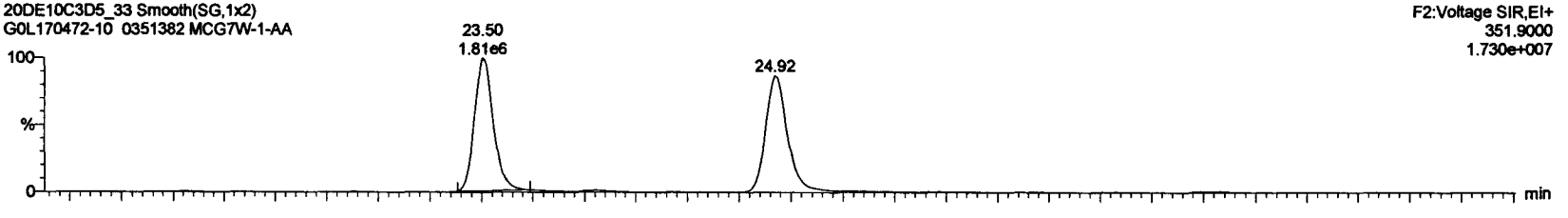
Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

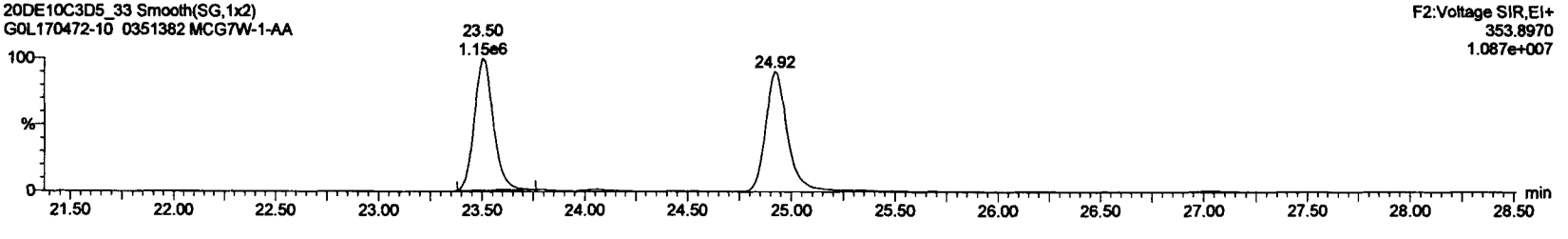
PeCDFs





13C-PeCDFs





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

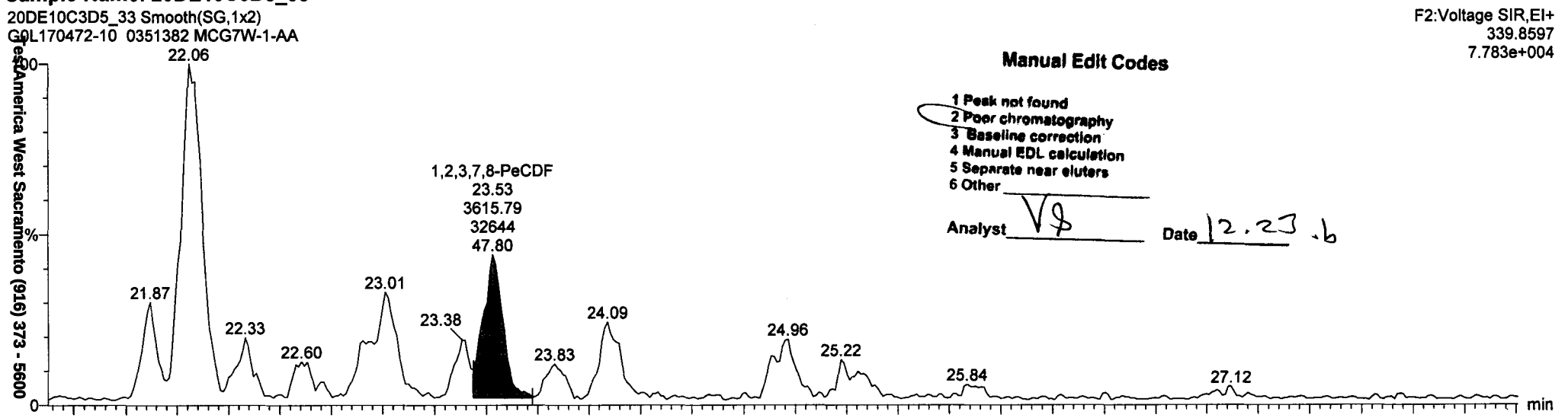
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:30:10 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: 1,2,3,7,8-PeCDF, Chrom. Trace: 339.8597

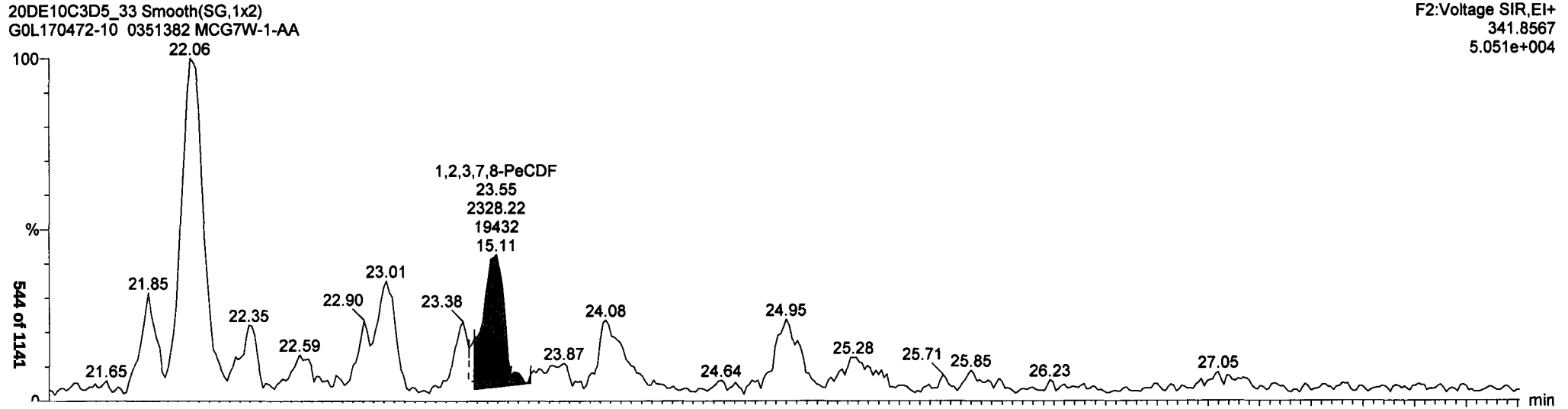
Sample Name: 20DE10C3D5_33



Manual Edit Codes

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

Analyst VB Date 12.23.10

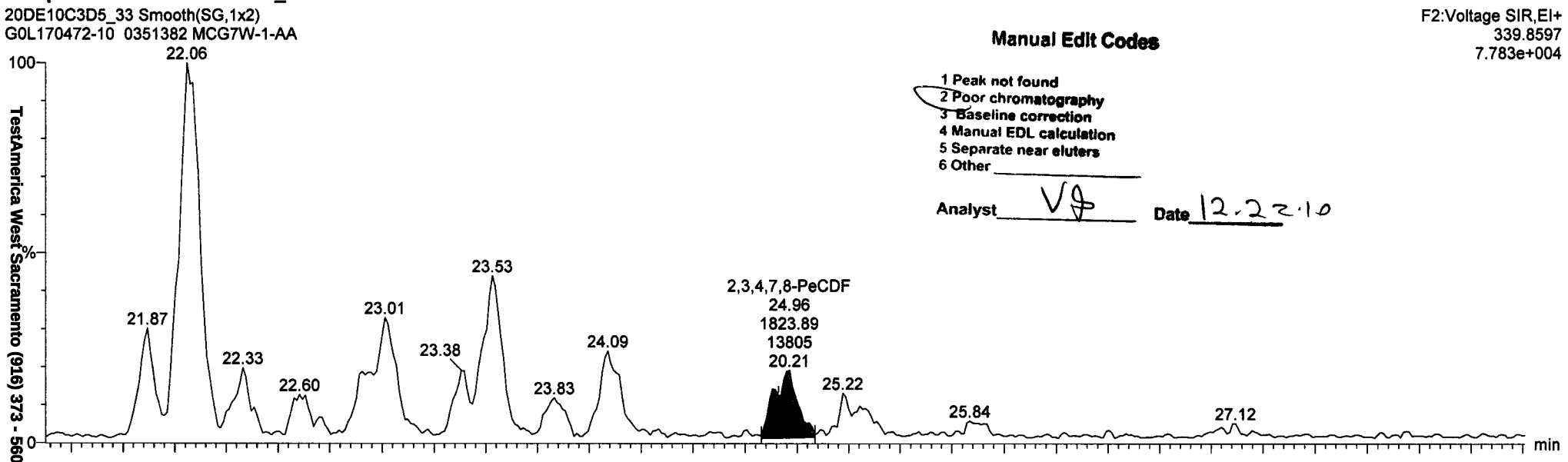


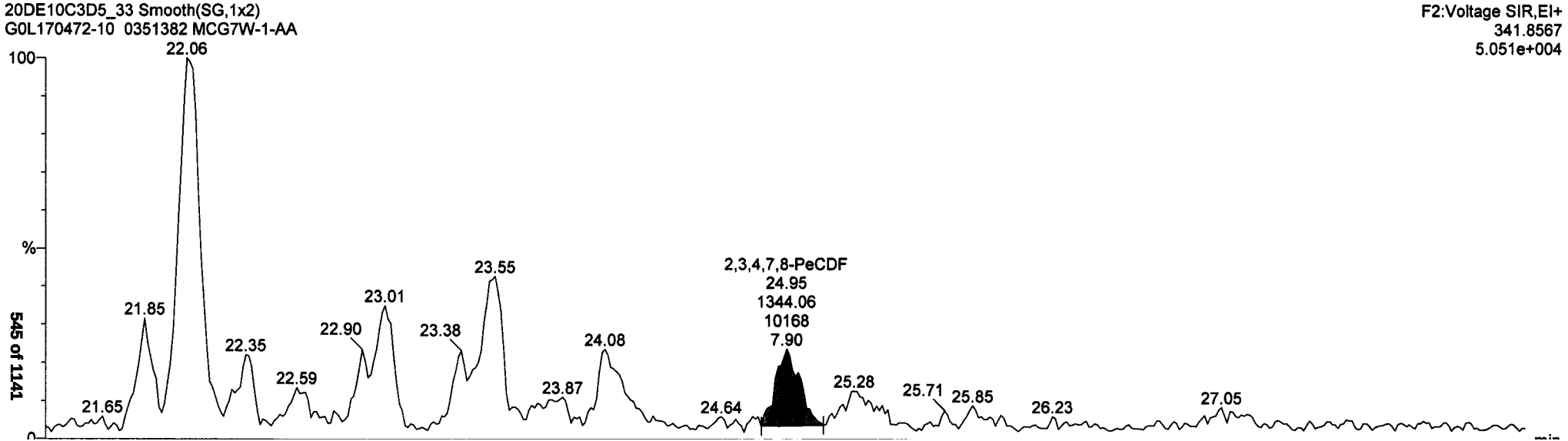
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: 2,3,4,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_33





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

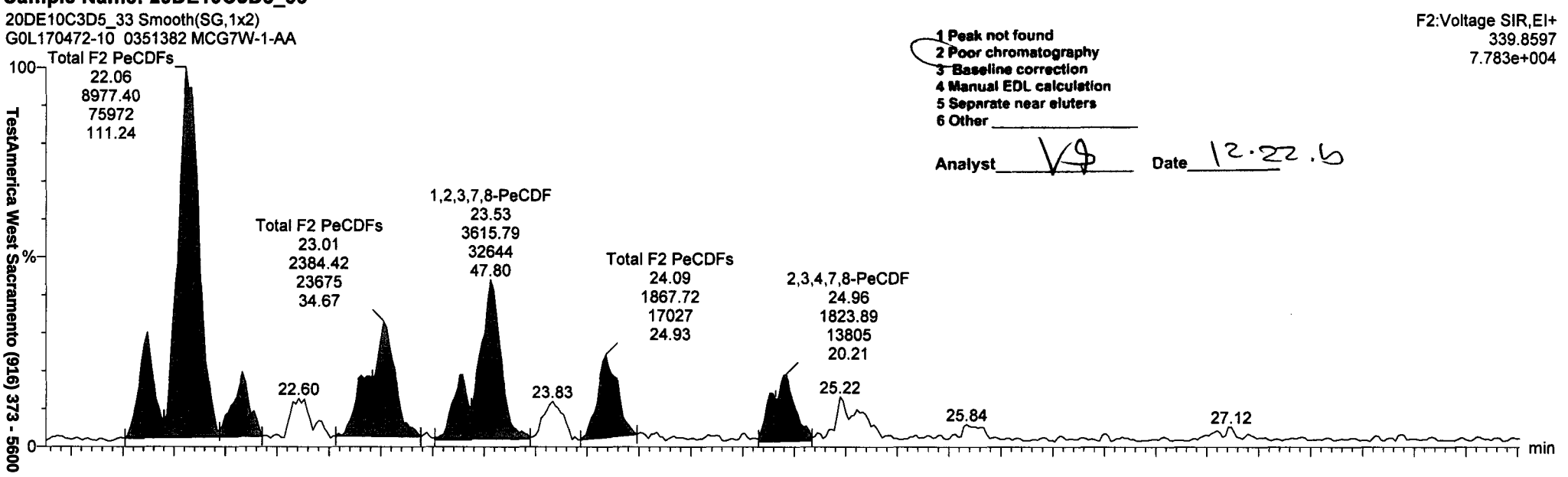
Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

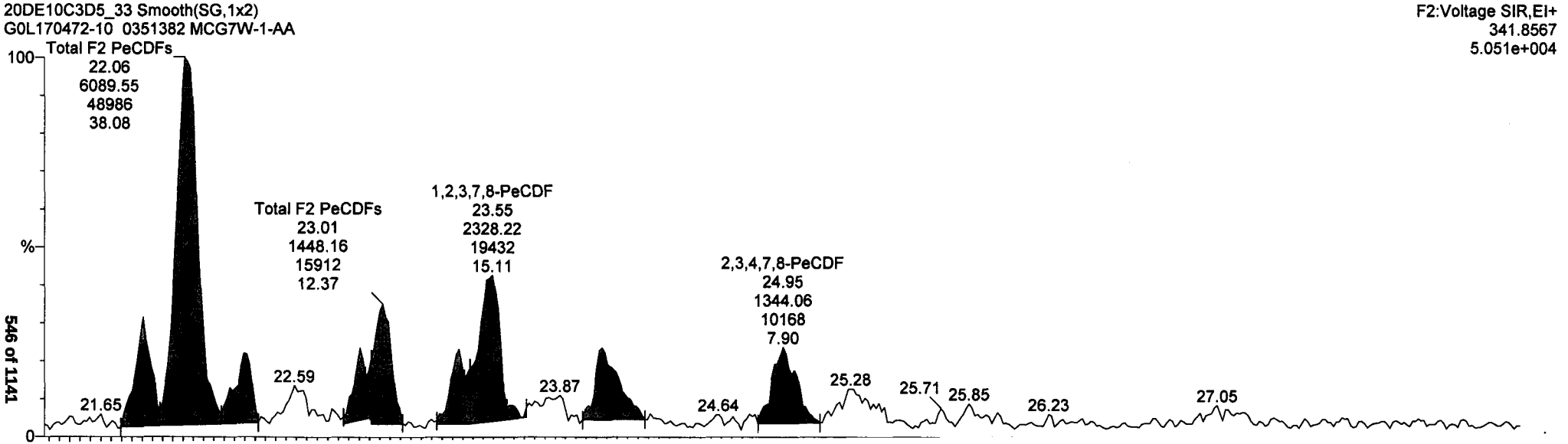
Sample Name: 20DE10C3D5_33

Manual Edit Codes

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

Analyst VS Date 12.22.6





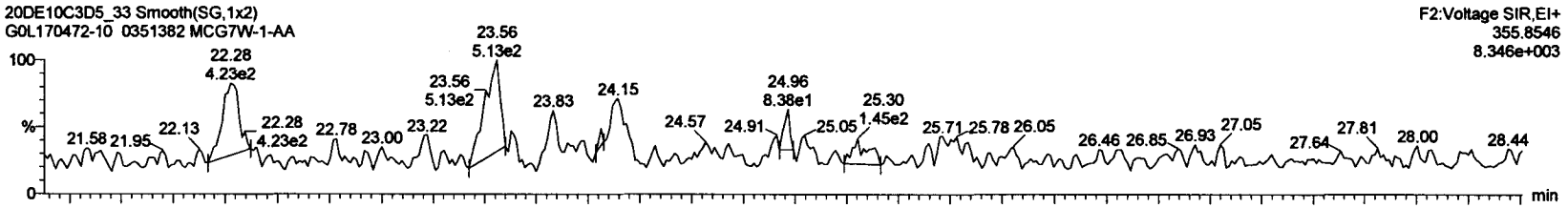
Quantify Sample Report **MassLynx 4.1**

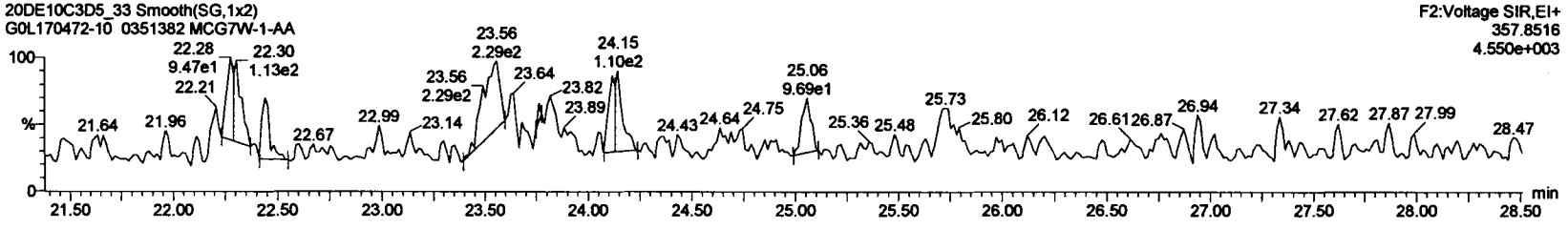
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

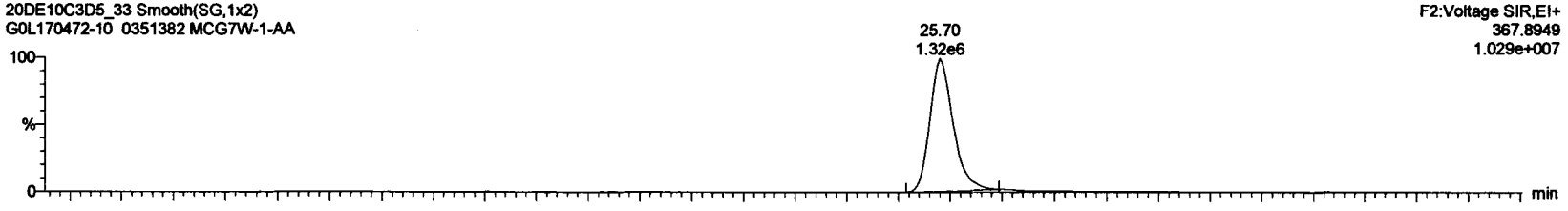
Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

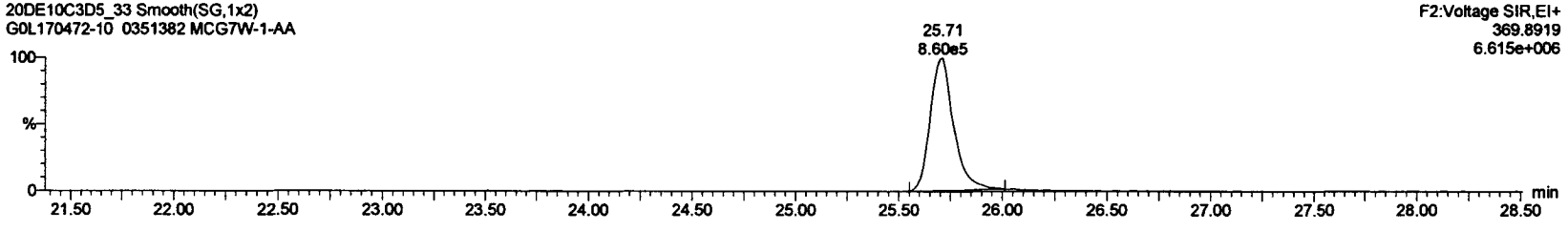
PeCDDs





13C-PeCDD





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: Total PeCDDs, Chrom. Trace: 355.8546

Sample Name: 20DE10C3D5_33

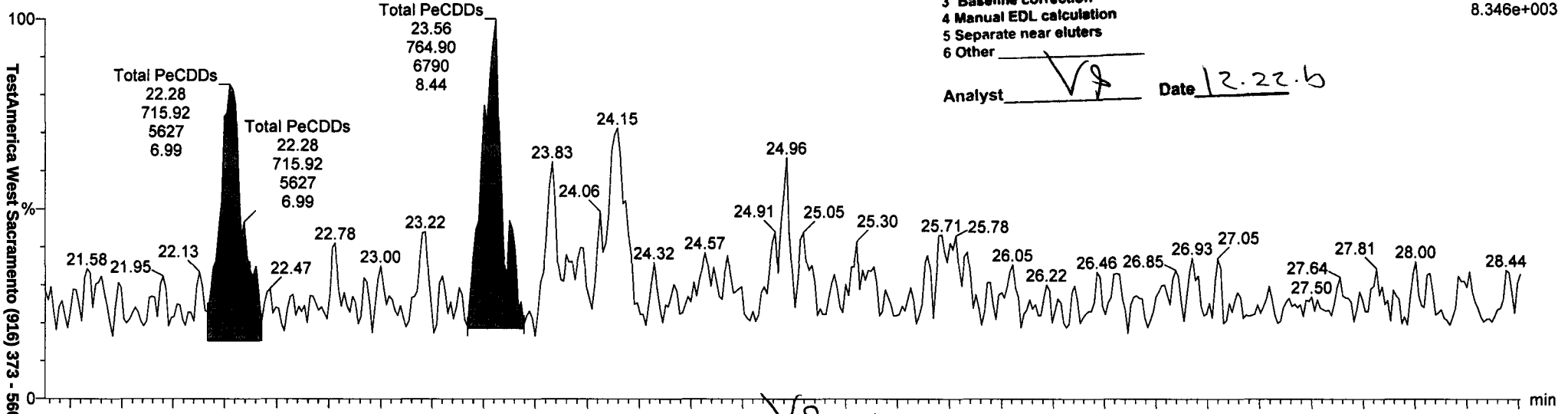
Manual Edit Codes

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

Analyst VS Date 12.22.10

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F2:Voltage SIR,EI+
355.8546
8.346e+003

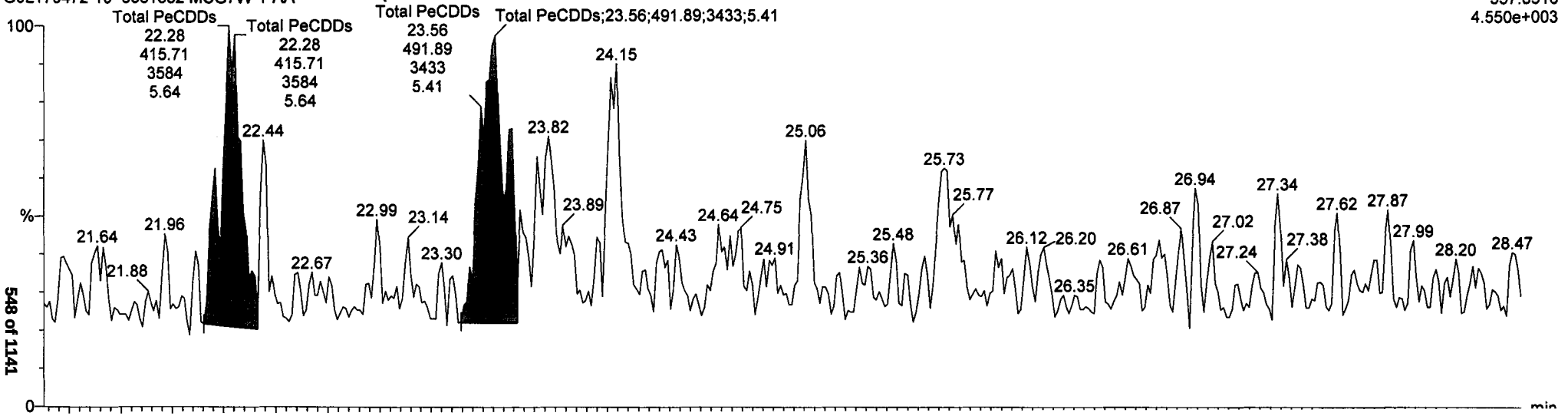


TestAmerica West Sacramento (916) 373 - 5600

CSIN CSIN VS 12.22.10

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F2:Voltage SIR,EI+
357.8516
4.550e+003



548 of 1141

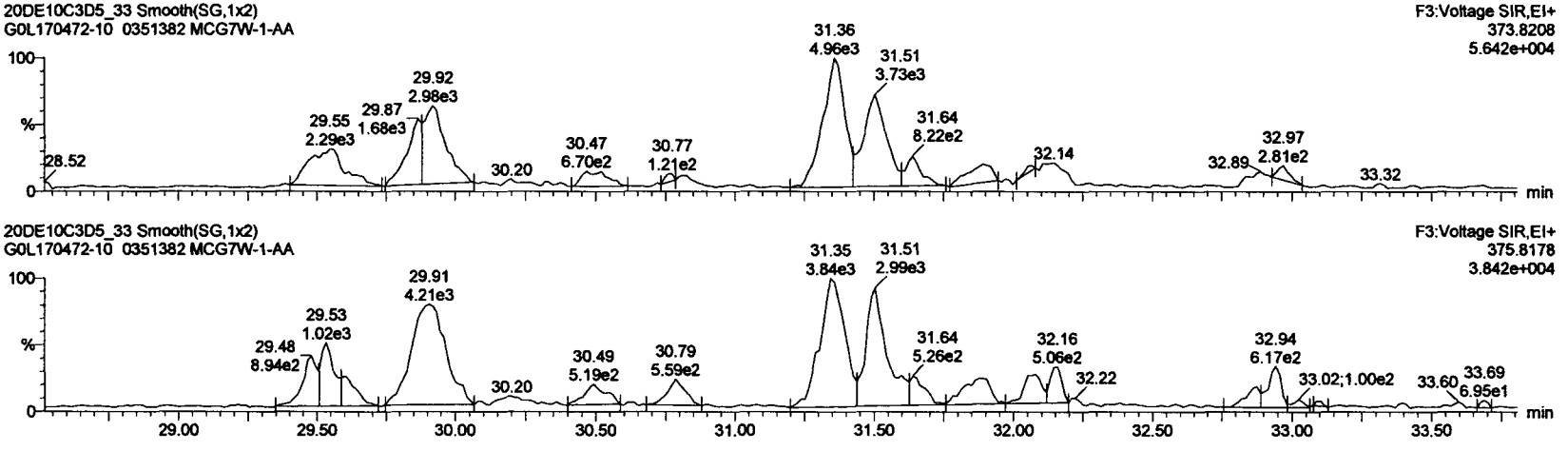
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

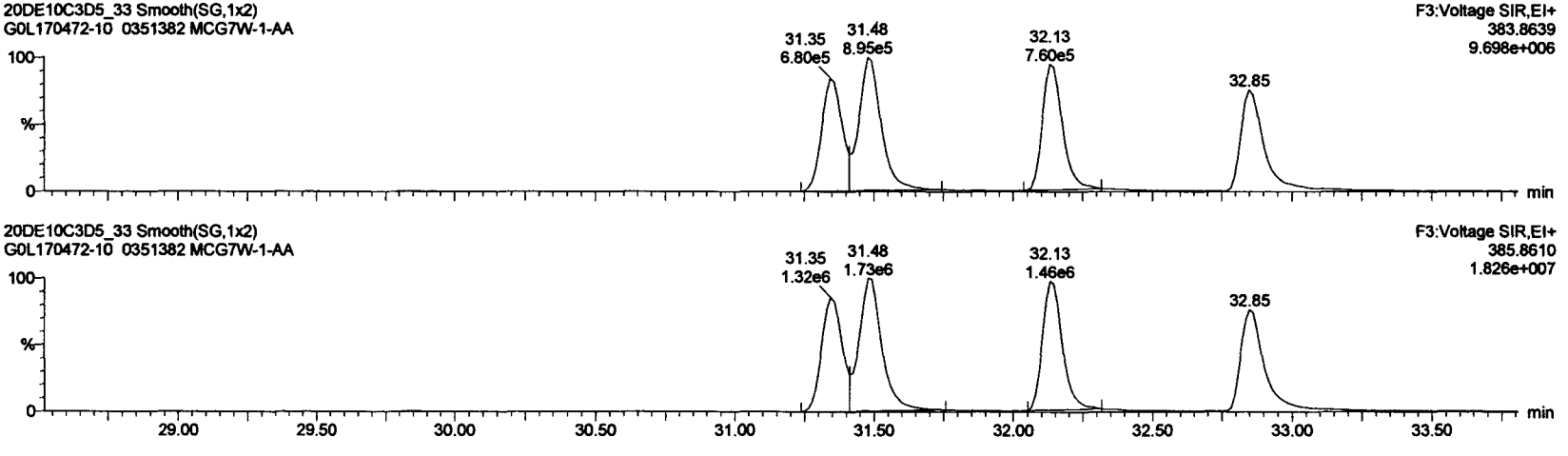
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

HxCDFs



13C-HxCDFs



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

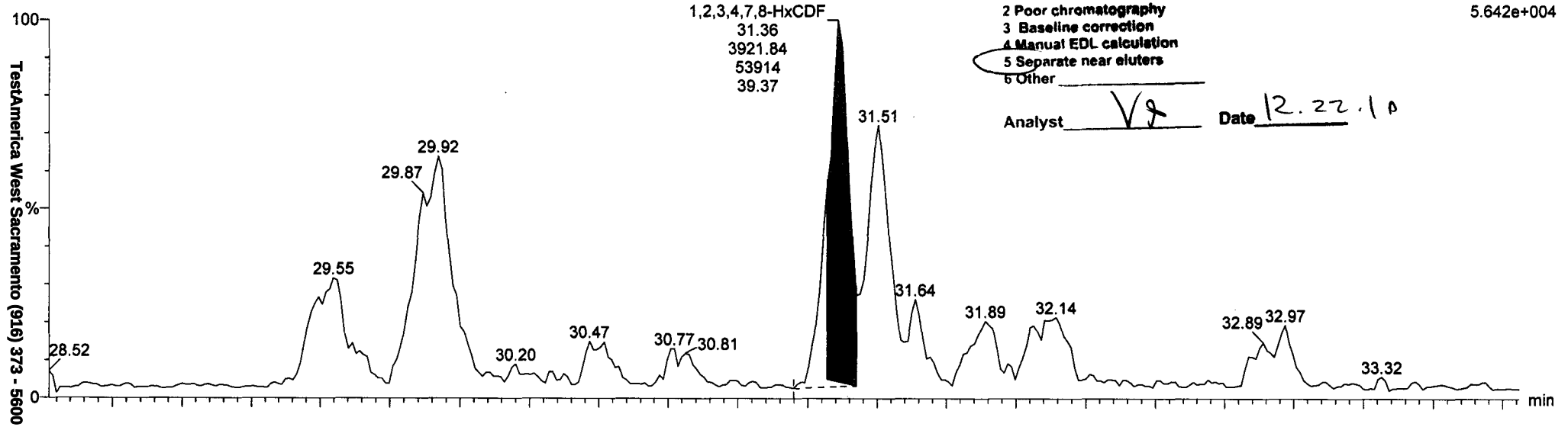
Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_33

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F3:Voltage SIR,EI+
373.8208
5.642e+004



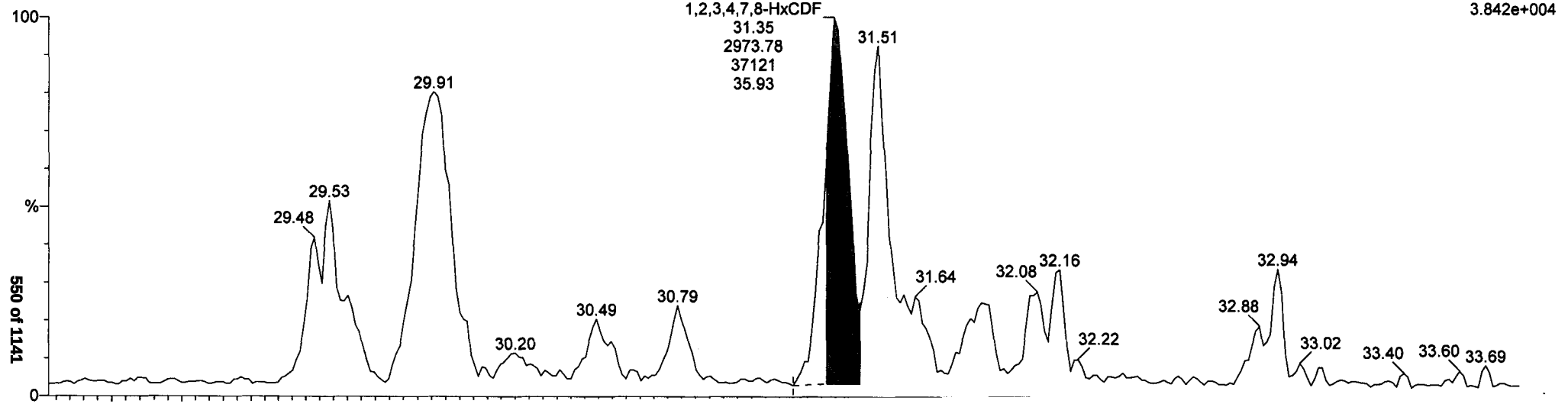
Manual Edit Codes

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

Analyst VS Date 12.22.10

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F3:Voltage SIR,EI+
375.8178
3.842e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Manual Edit Codes

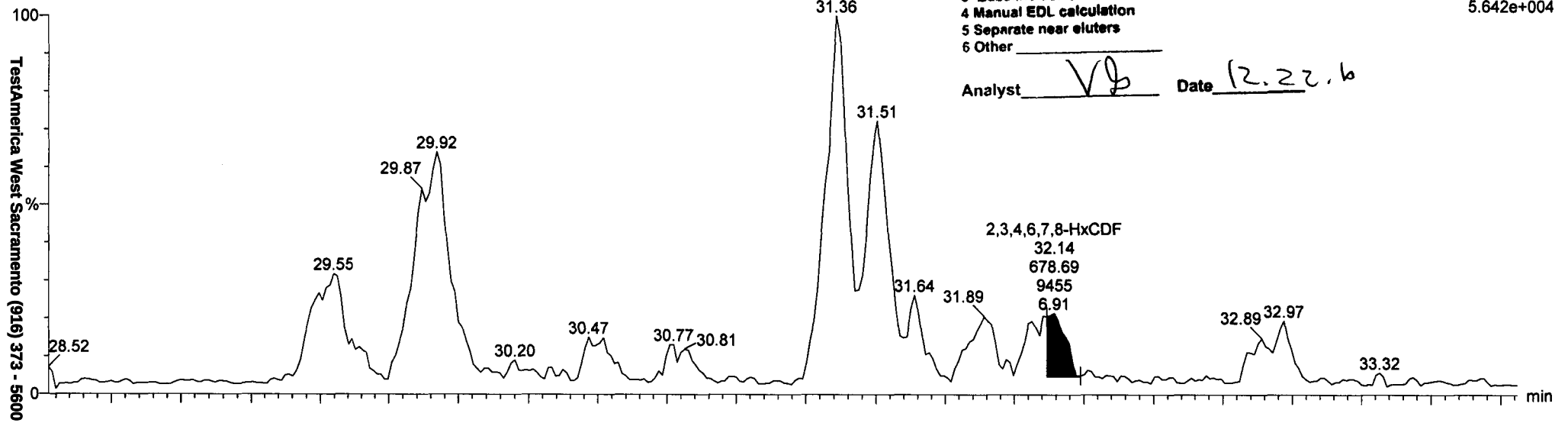
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VB Date 12.22.10

Sample Name: 20DE10C3D5_33

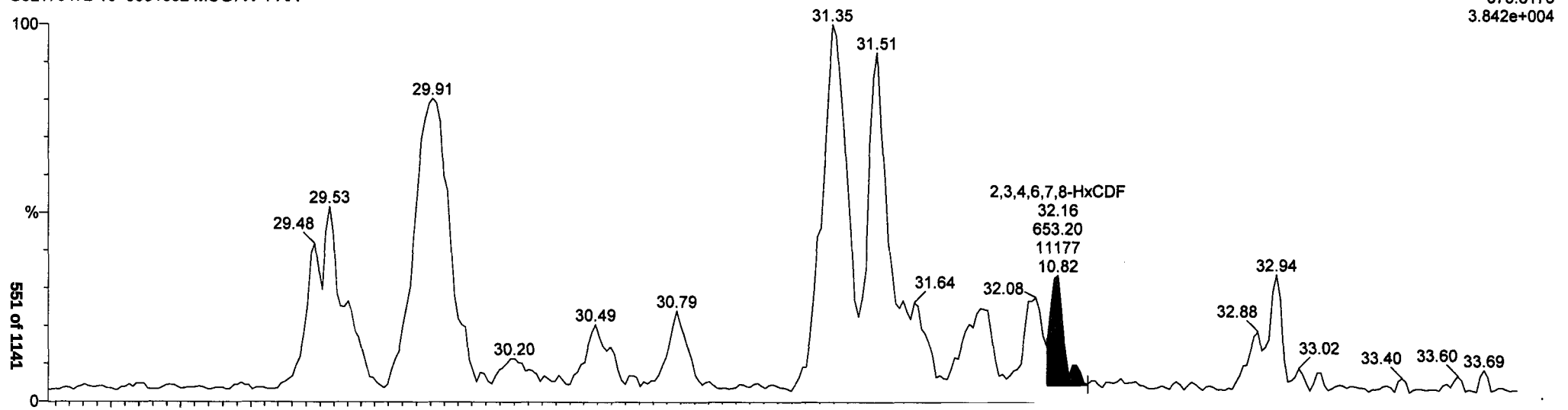
20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F3:Voltage SIR,EI+
373.8208
5.642e+004



20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F3:Voltage SIR,EI+
375.8178
3.842e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

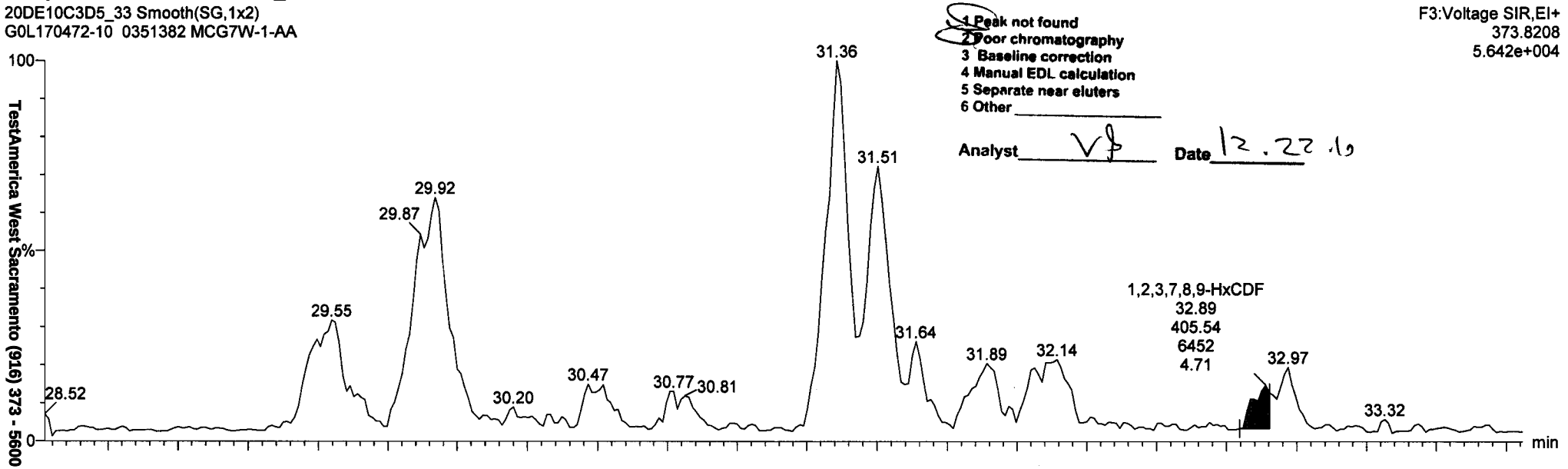
Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

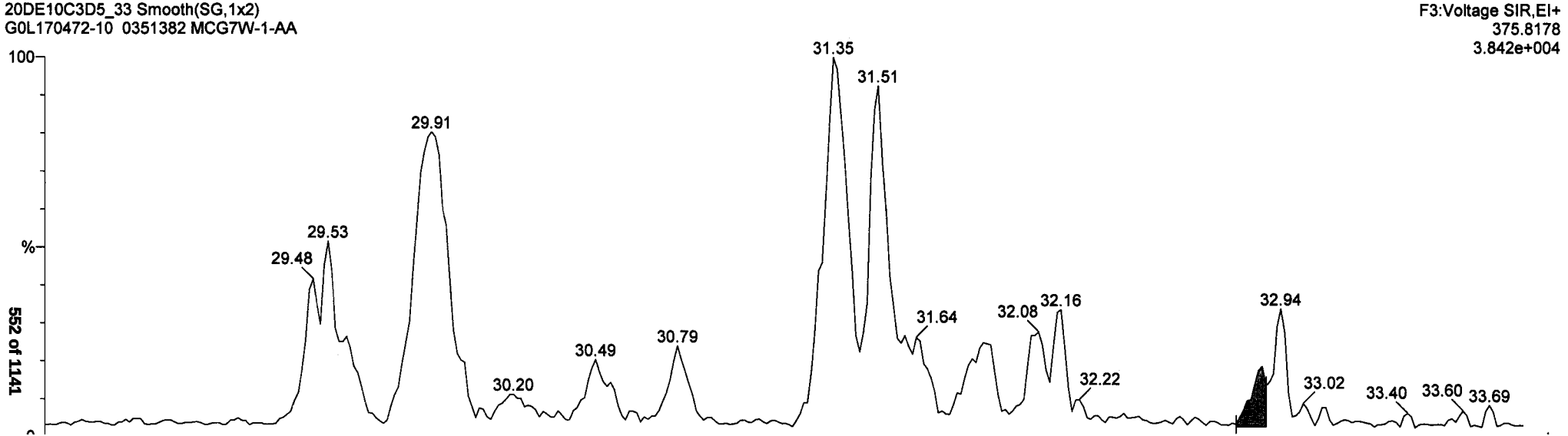
Sample Name: 20DE10C3D5_33

Manual Edit Codes

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

Analyst VB Date 12.22.10



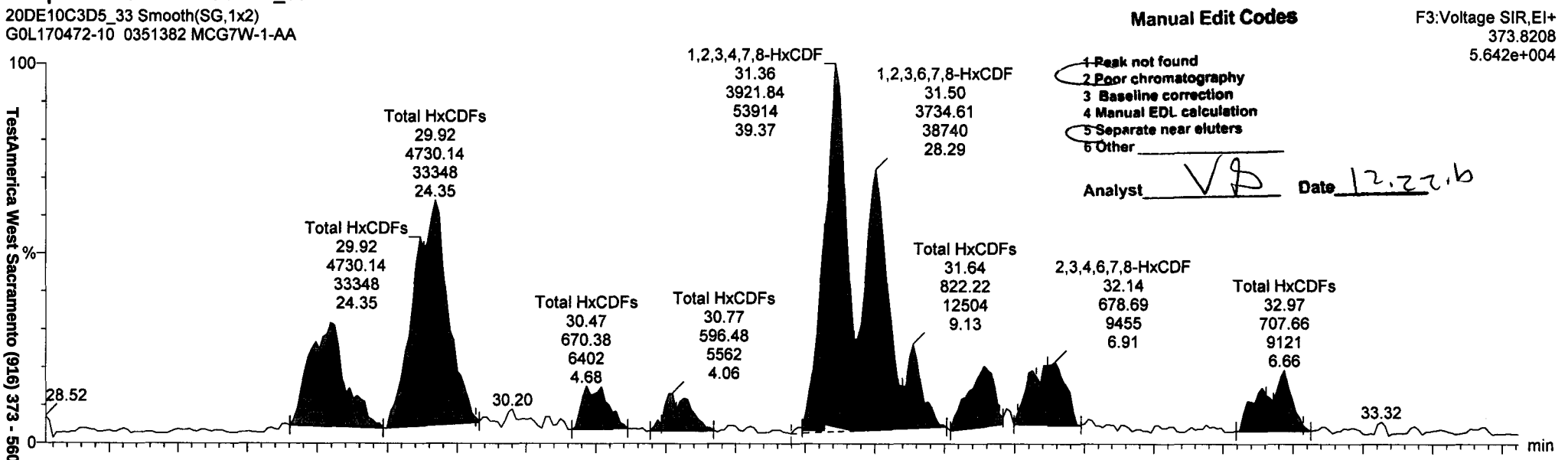


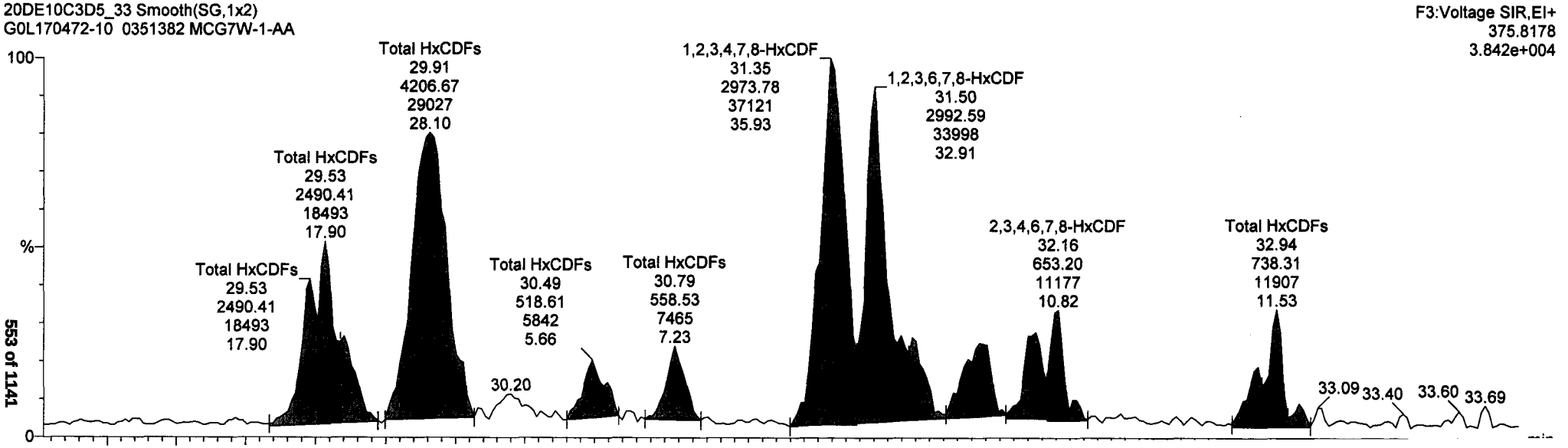
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_33





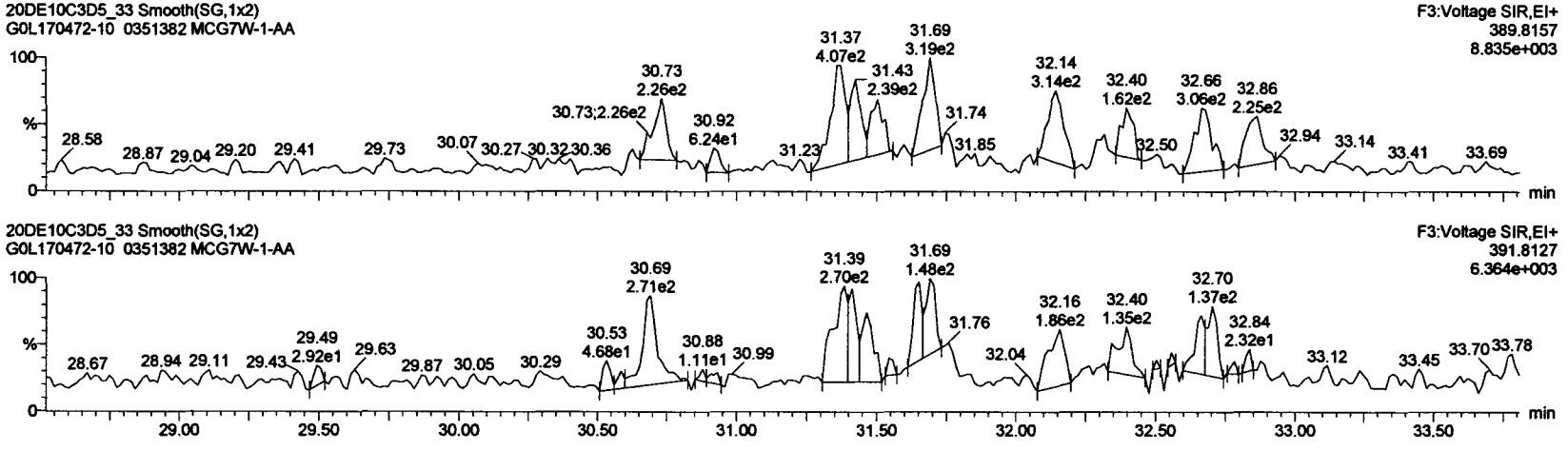
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

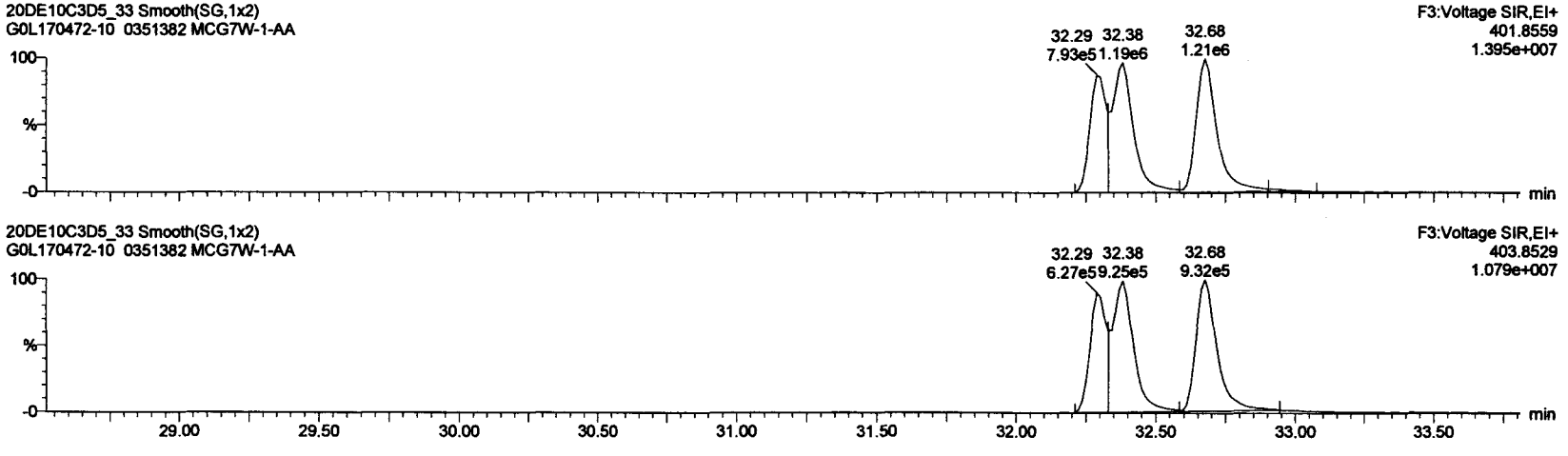
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

HxCDDs



13C-HxCDDs



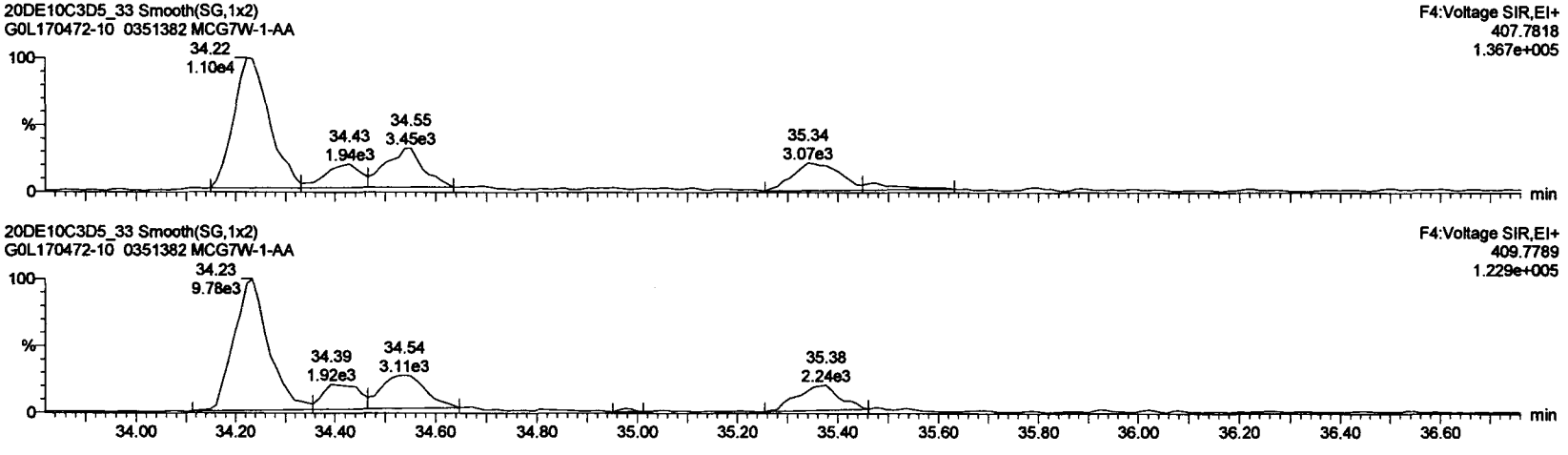
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

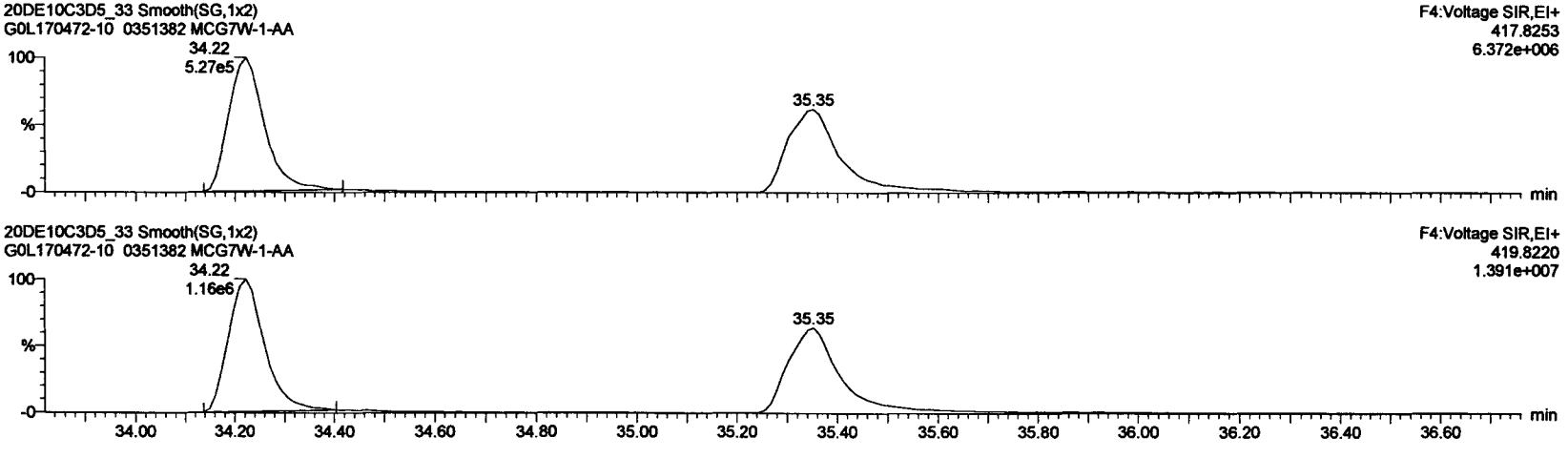
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

HpCDFs



13C-HpCDFs

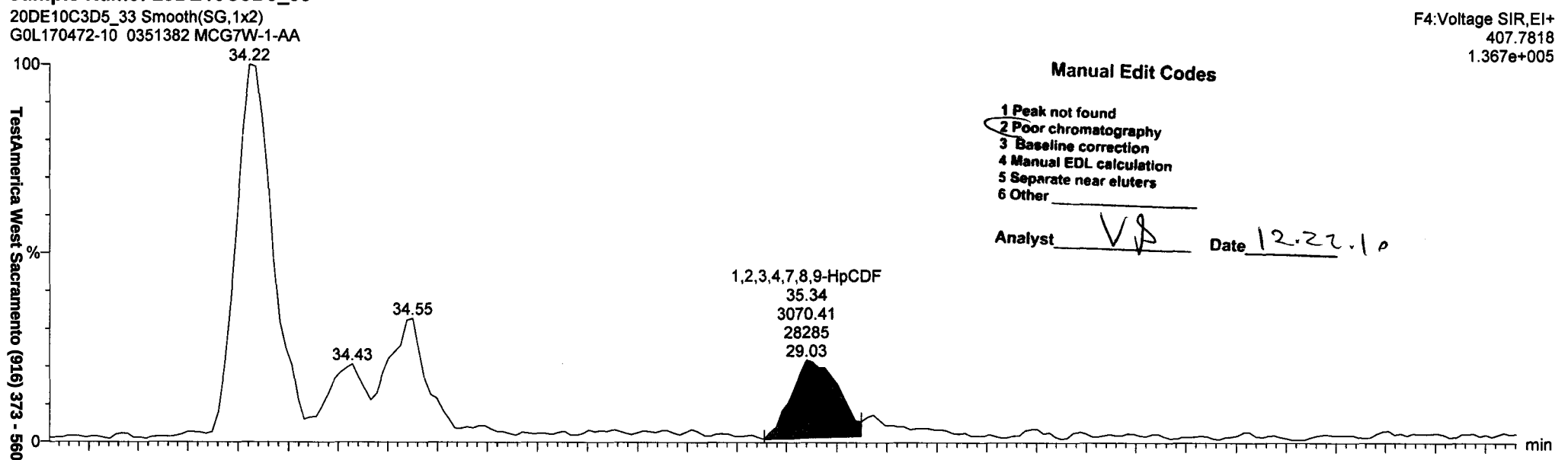


Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: 1,2,3,4,7,8,9-HpCDF, Chrom. Trace: 407.7818

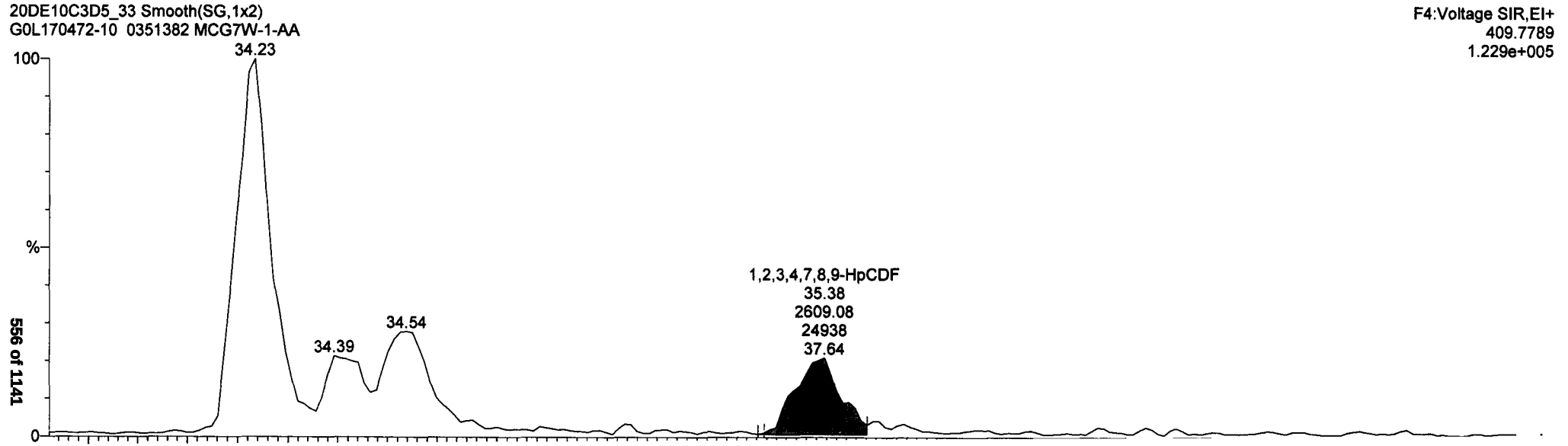
Sample Name: 20DE10C3D5_33



Manual Edit Codes

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

Analyst VS Date 12.22.10



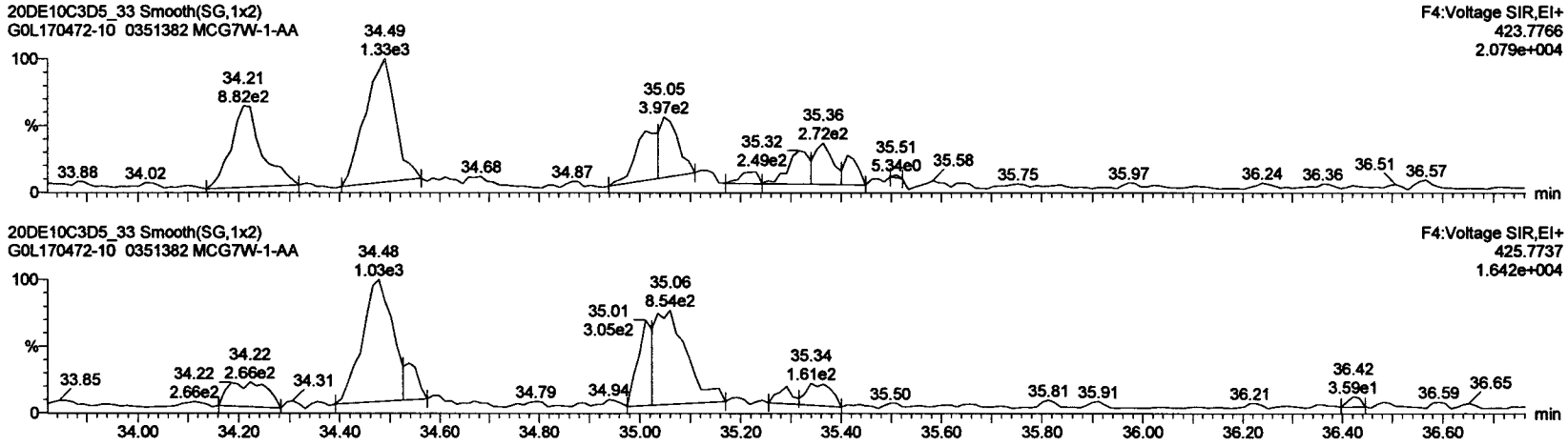
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

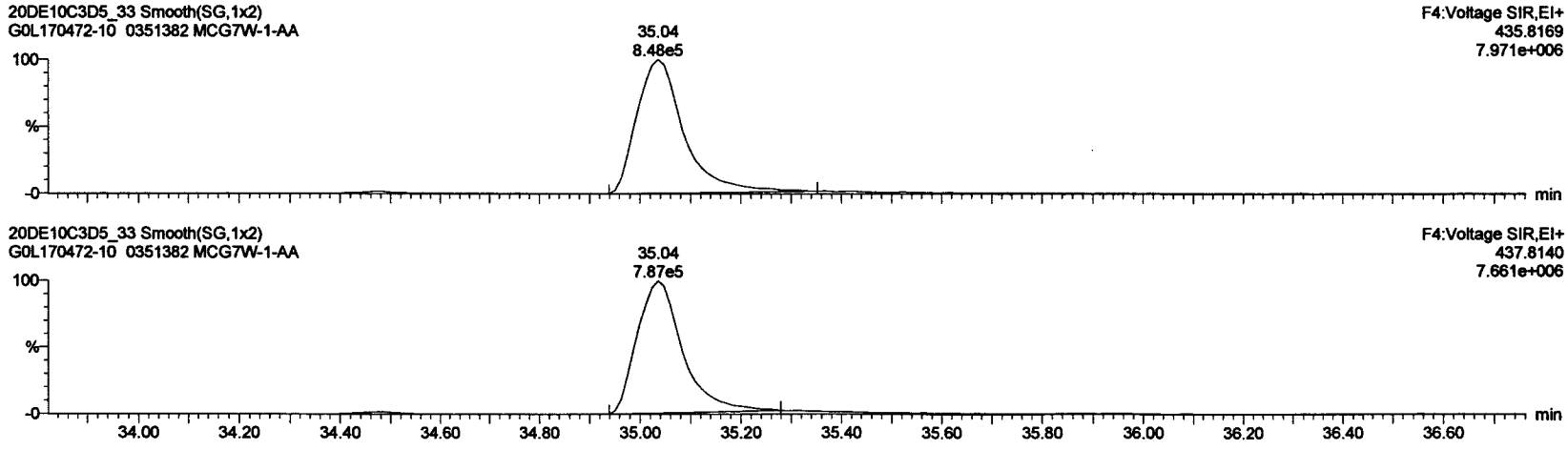
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

HpCDDs



13C-HpCDD

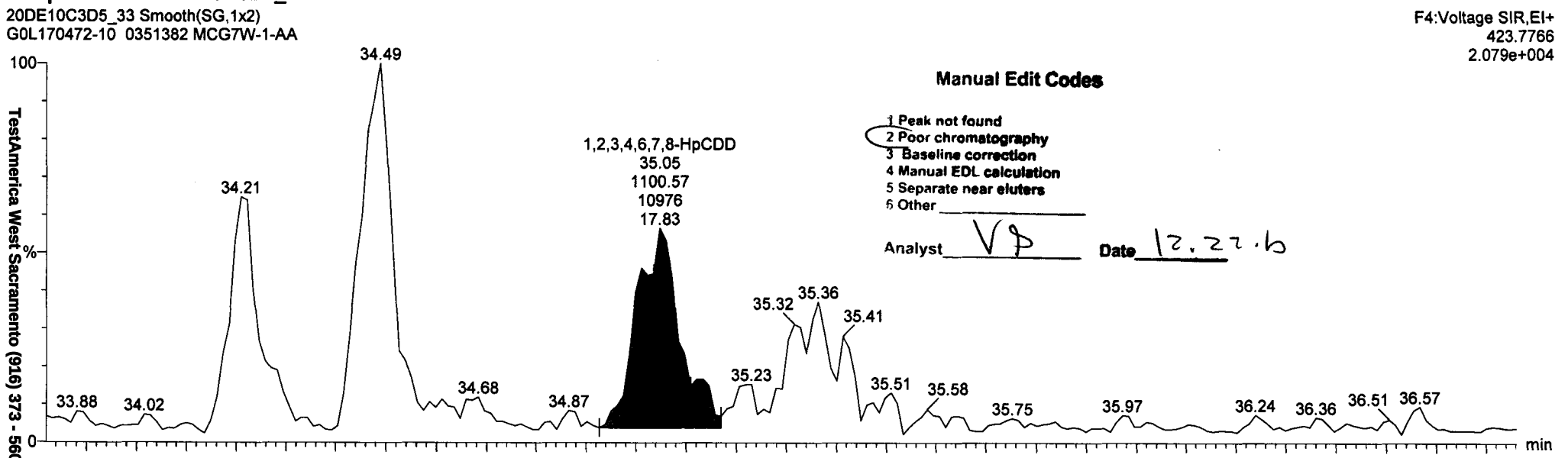


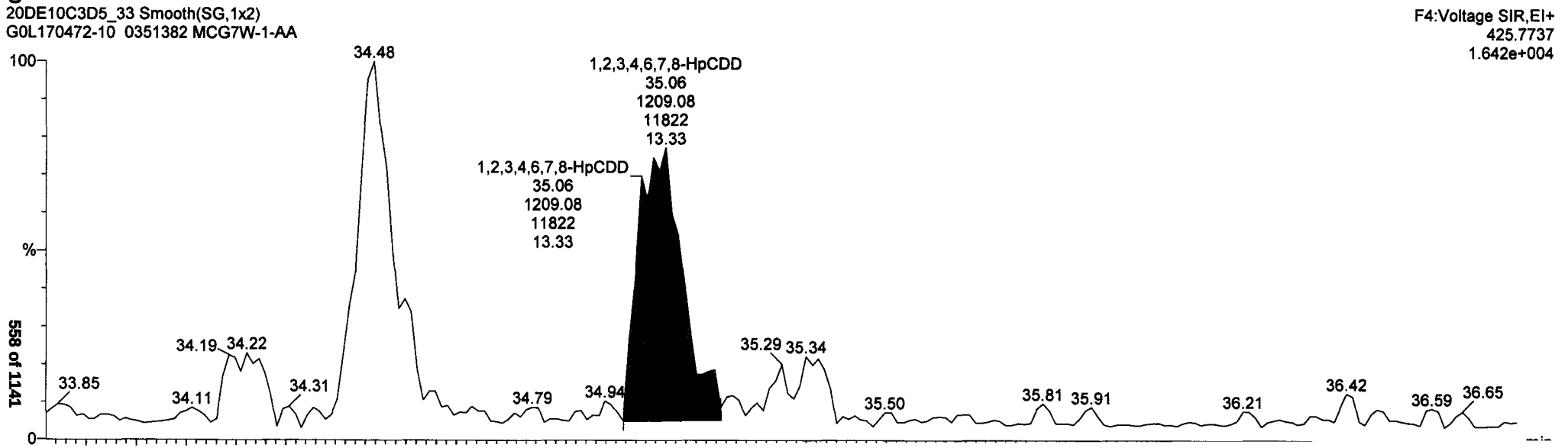
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:44:40 Pacific Standard Time

Compound Name: 1,2,3,4,6,7,8-HpCDD, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_33





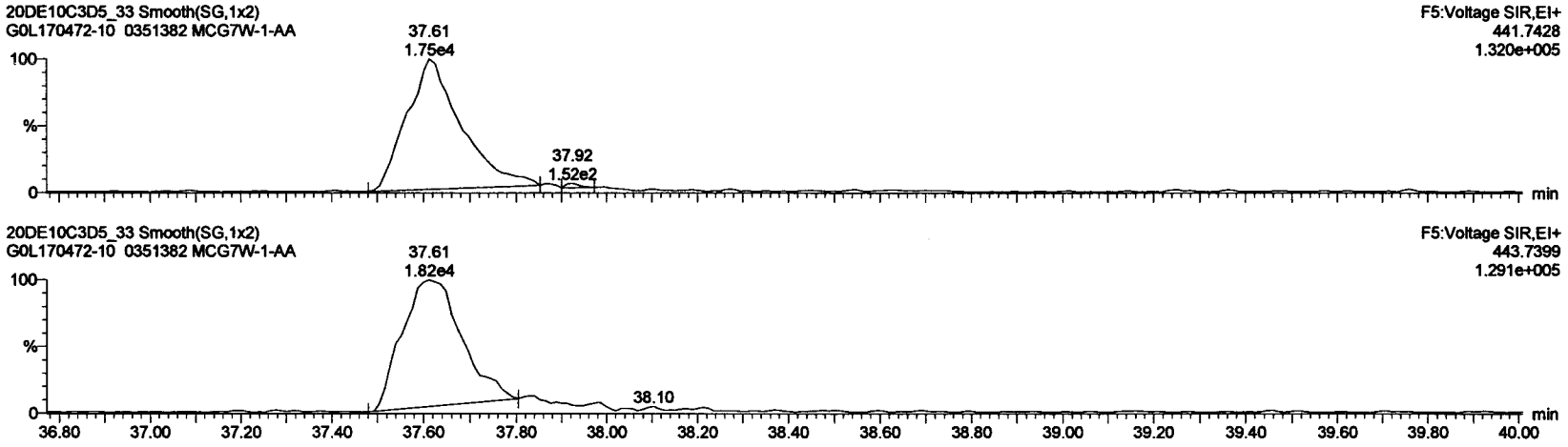
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

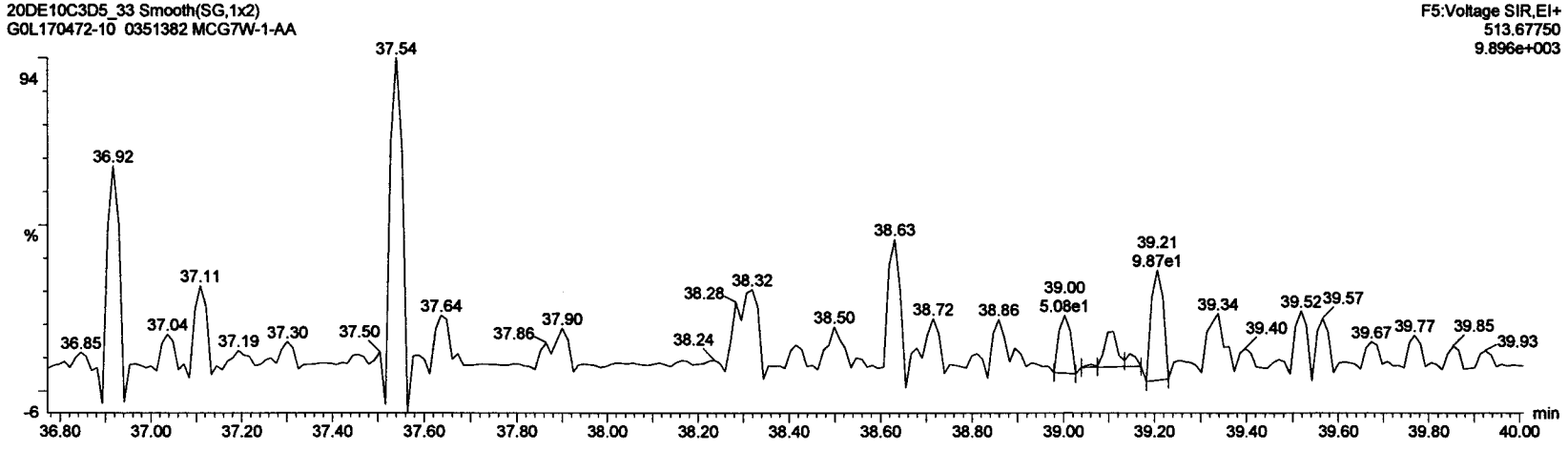
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

OCDFs



OCDF PCDPE



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:45:04 Pacific Standard Time

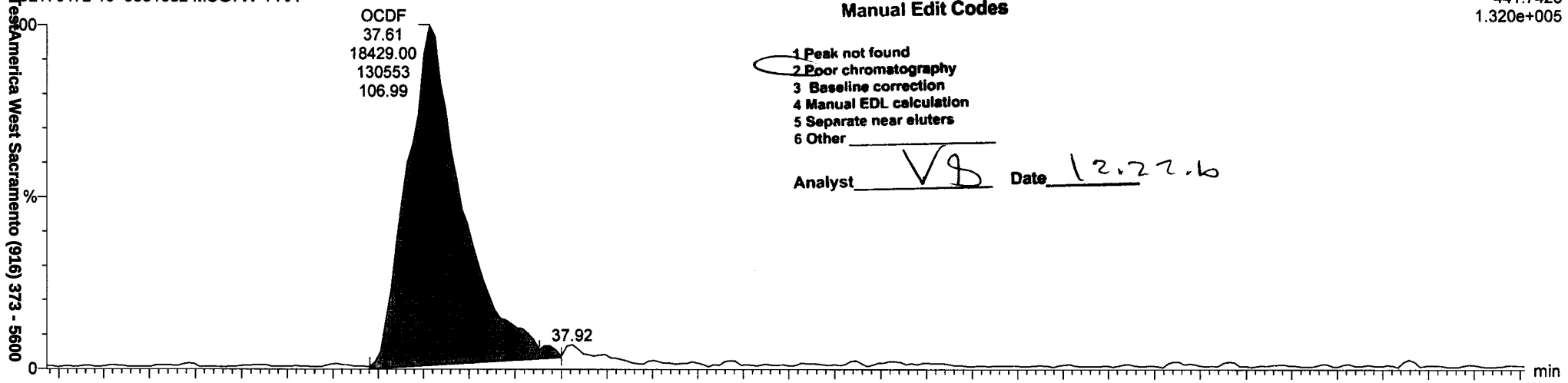
Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Compound Name: OCDF, Chrom. Trace: 441.7428

Sample Name: 20DE10C3D5_33

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F5:Voltage SIR,EI+
441.7428
1.320e+005



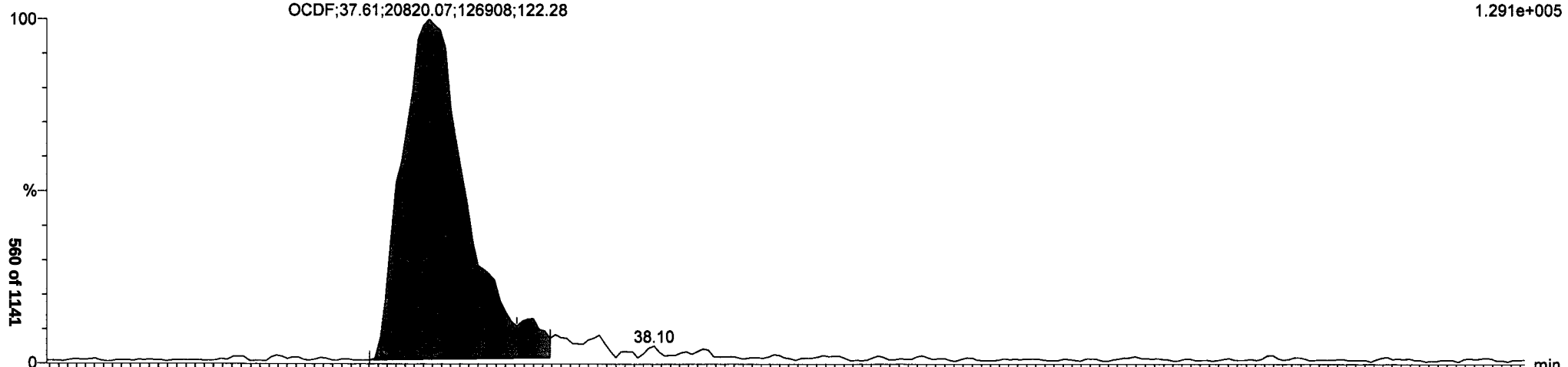
Manual Edit Codes

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

Analyst VB Date 12.22.10

20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F5:Voltage SIR,EI+
443.7399
1.291e+005



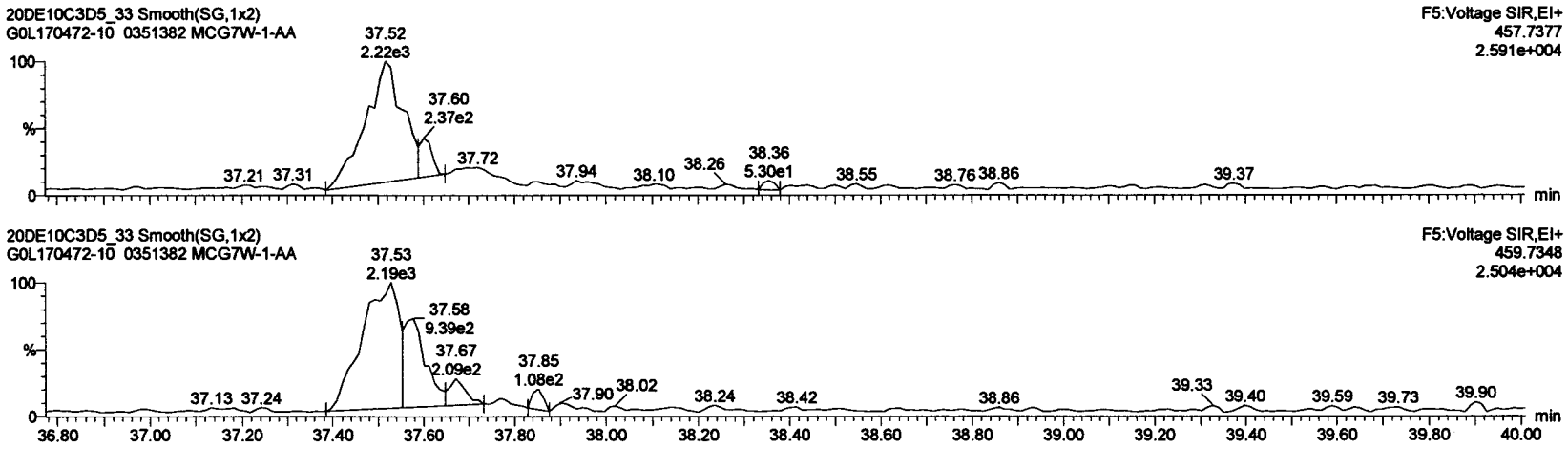
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

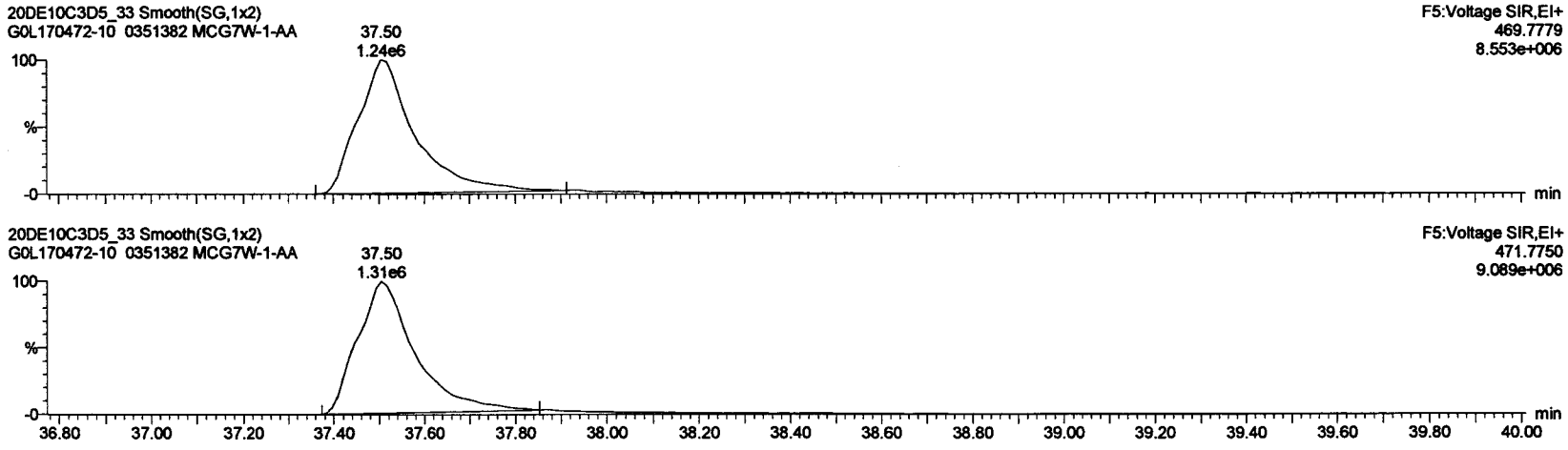
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

OCDD



13C-OCDD



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Wednesday, December 22, 2010 16:43:45 Pacific Standard Time
Printed: Wednesday, December 22, 2010 16:45:04 Pacific Standard Time

Compound Name: OCDD, Chrom. Trace: 457.7377

Sample Name: 20DE10C3D5_33

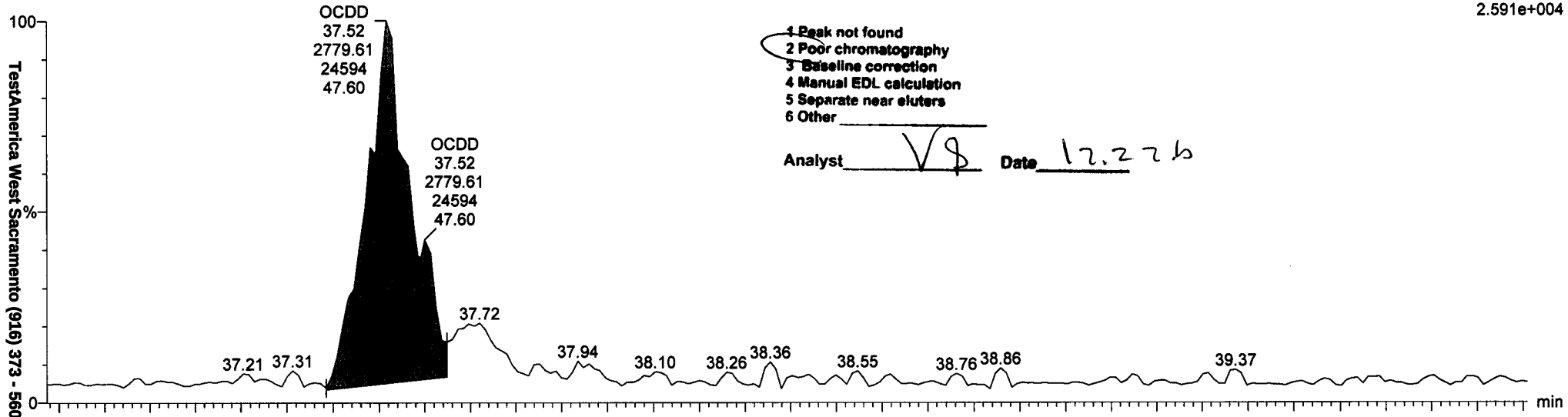
20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F5:Voltage SIR,EI+
457.7377
2.591e+004

Manual Edit Codes

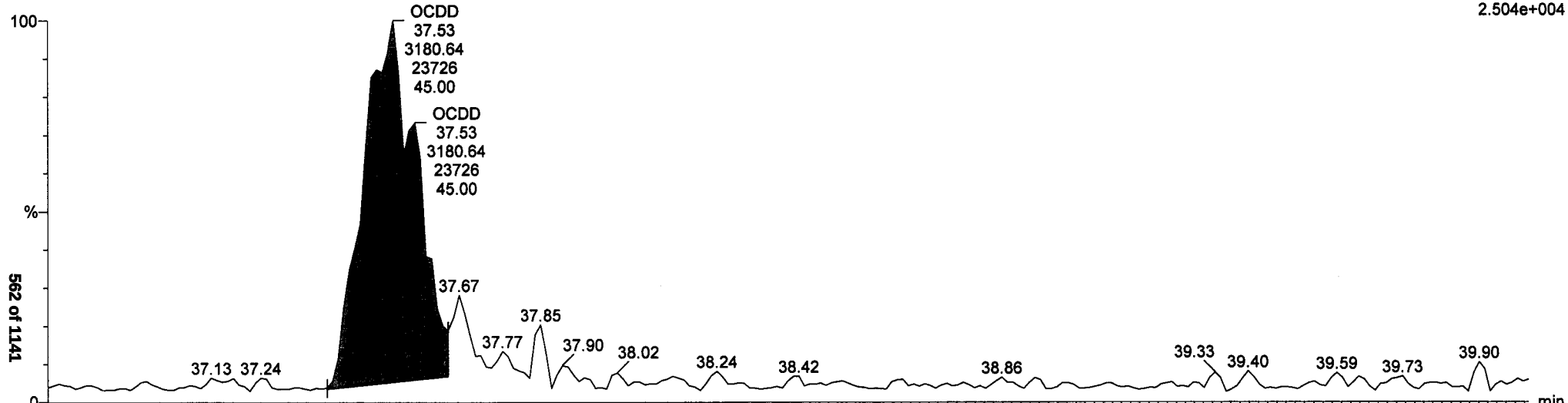
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VS Date 12.22.10



20DE10C3D5_33 Smooth(SG,1x2)
G0L170472-10 0351382 MCG7W-1-AA

F5:Voltage SIR,EI+
459.7348
2.504e+004



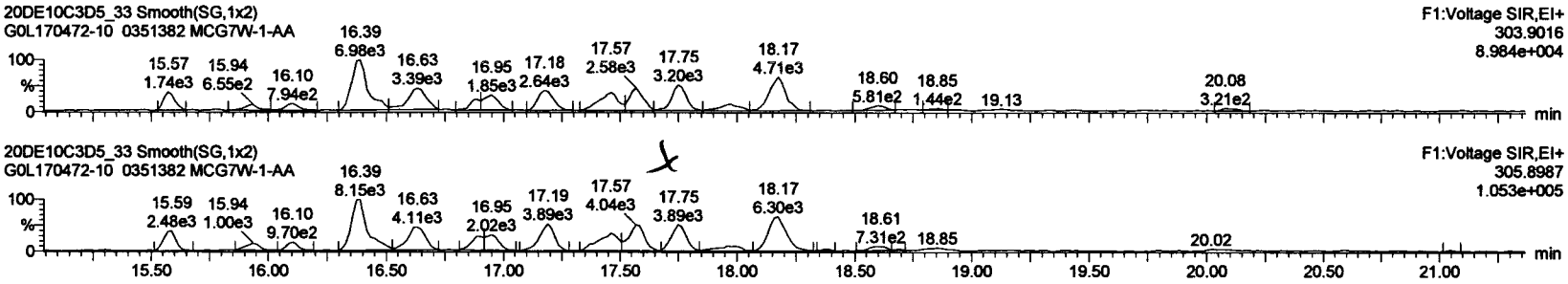
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

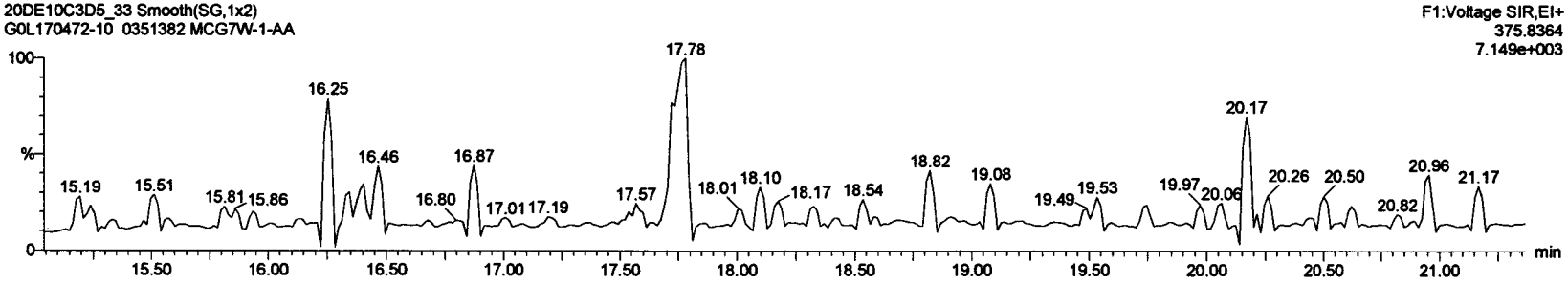
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

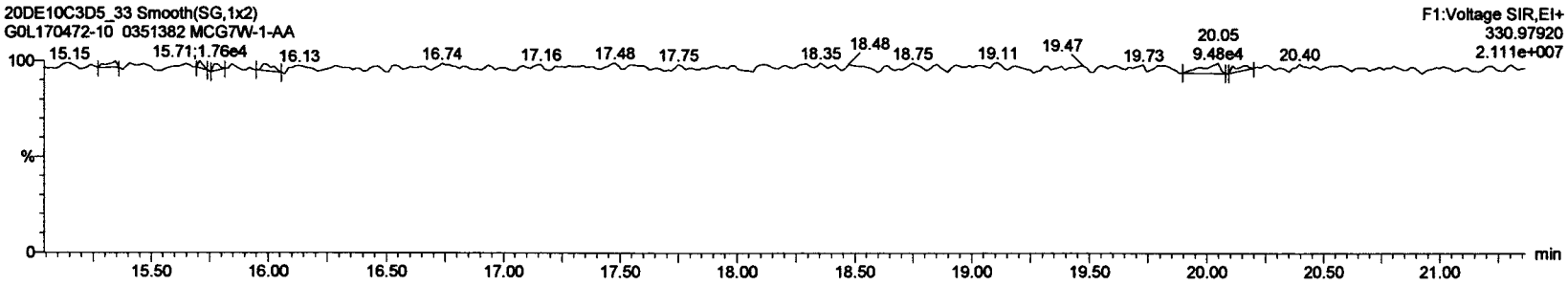
TCDFs



TCDF PCDPE



Function 1 PFK



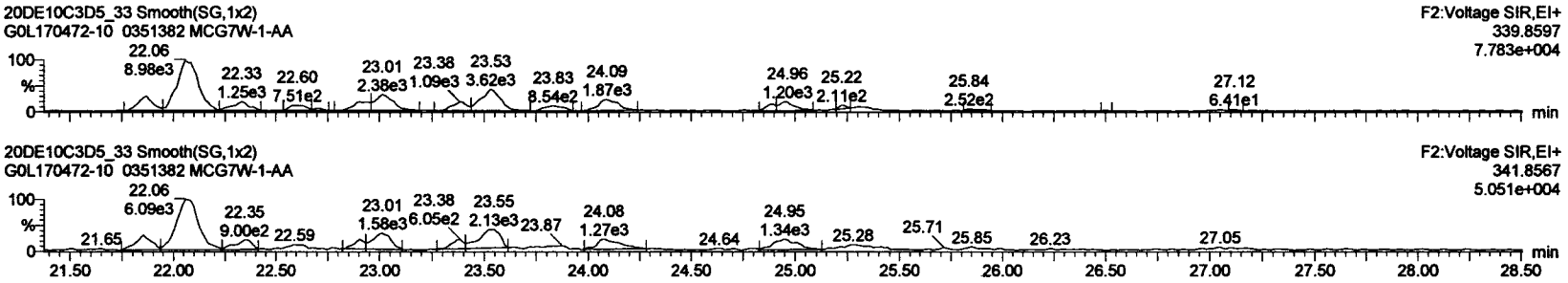
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

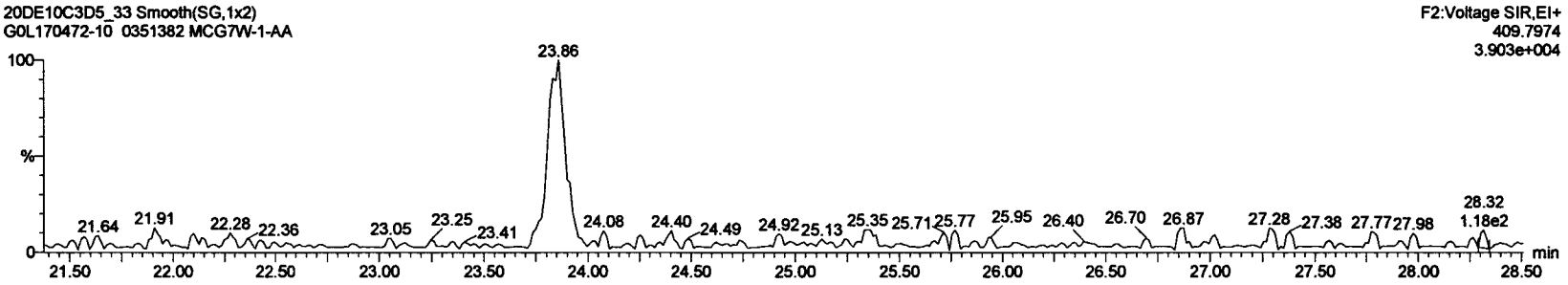
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

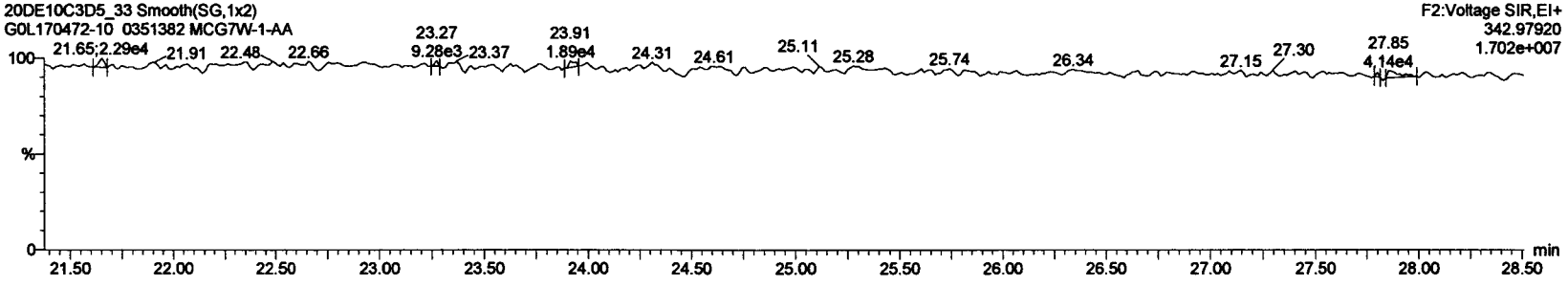
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



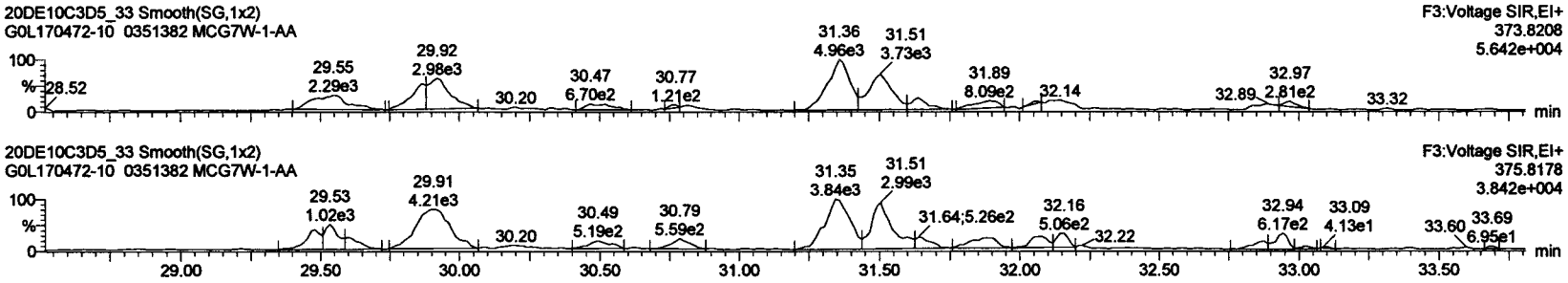
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

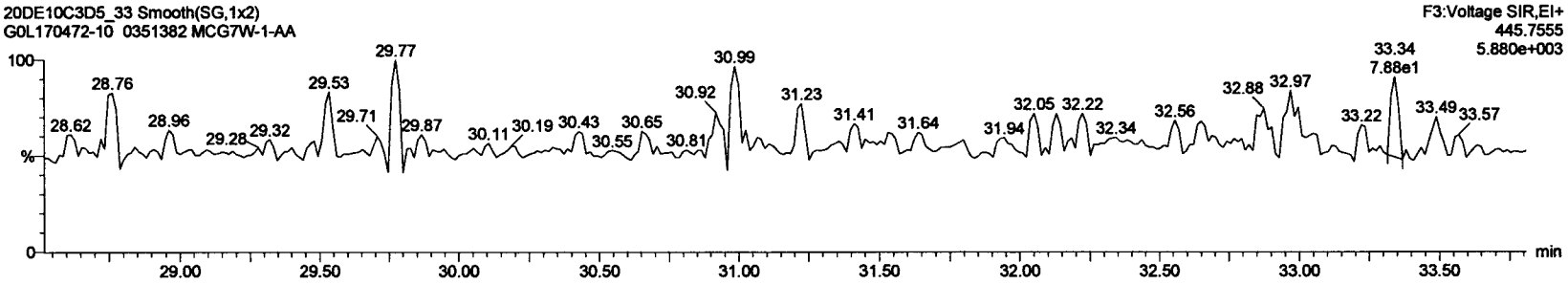
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

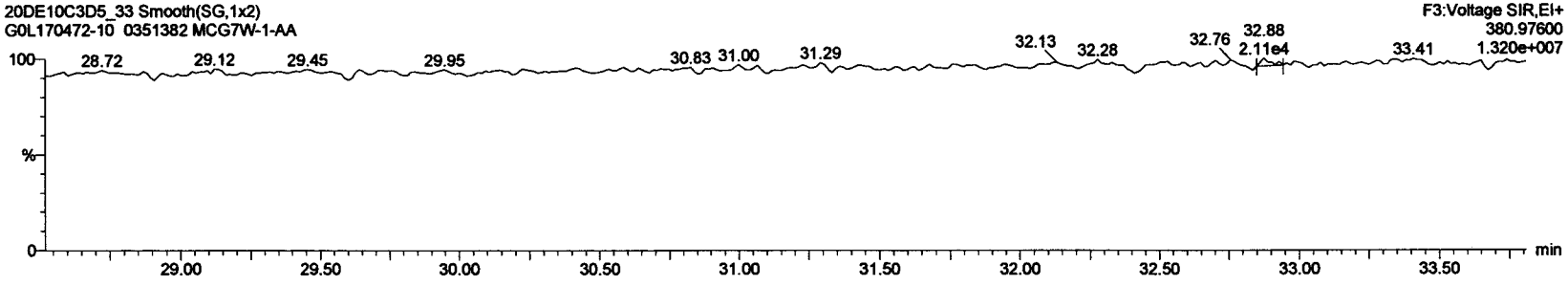
HxCDFs



HxCDF PCDPE



Function 3 PFK



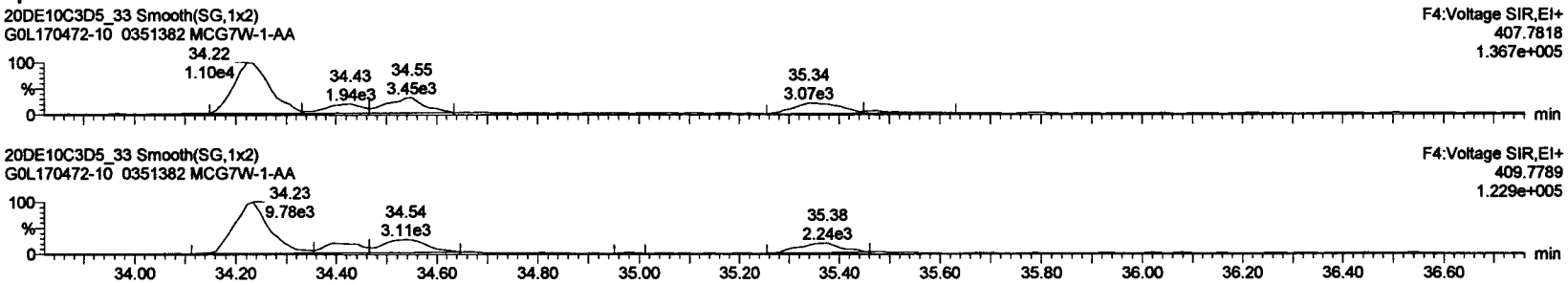
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

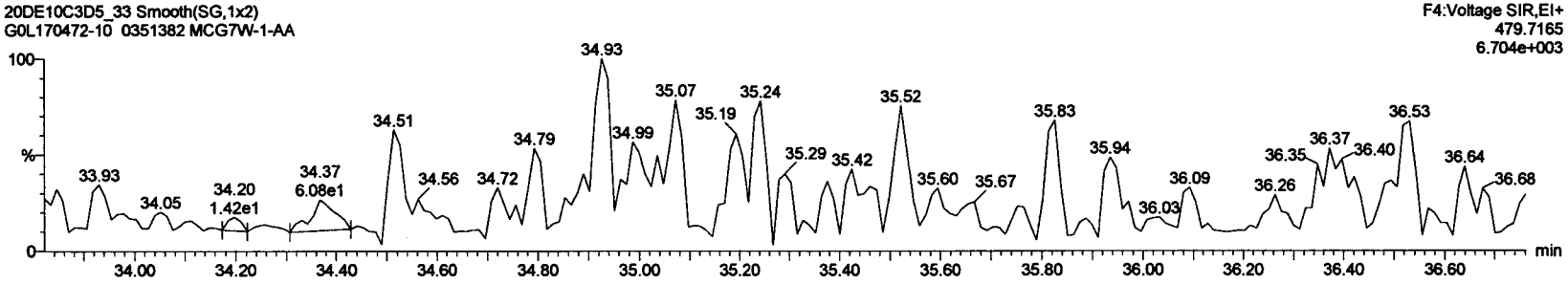
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

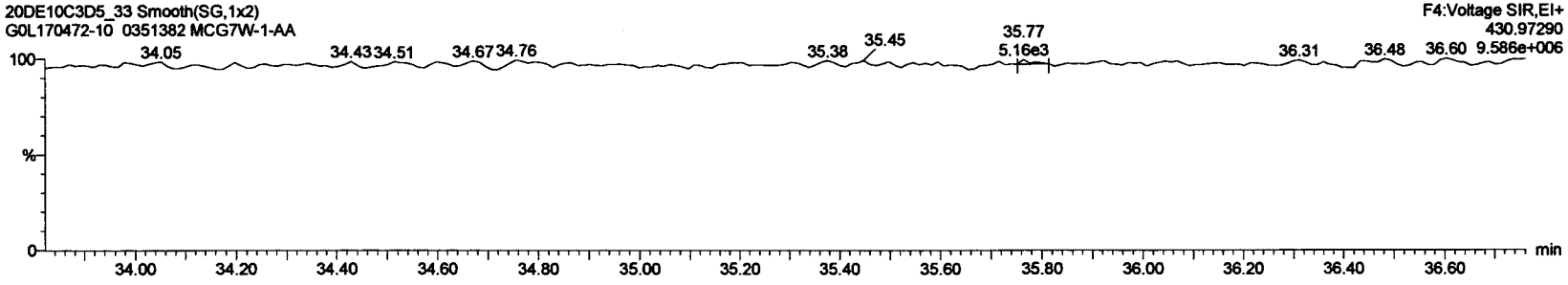
HpCDFs



HpCDF PCDPE



Function 4 PFK



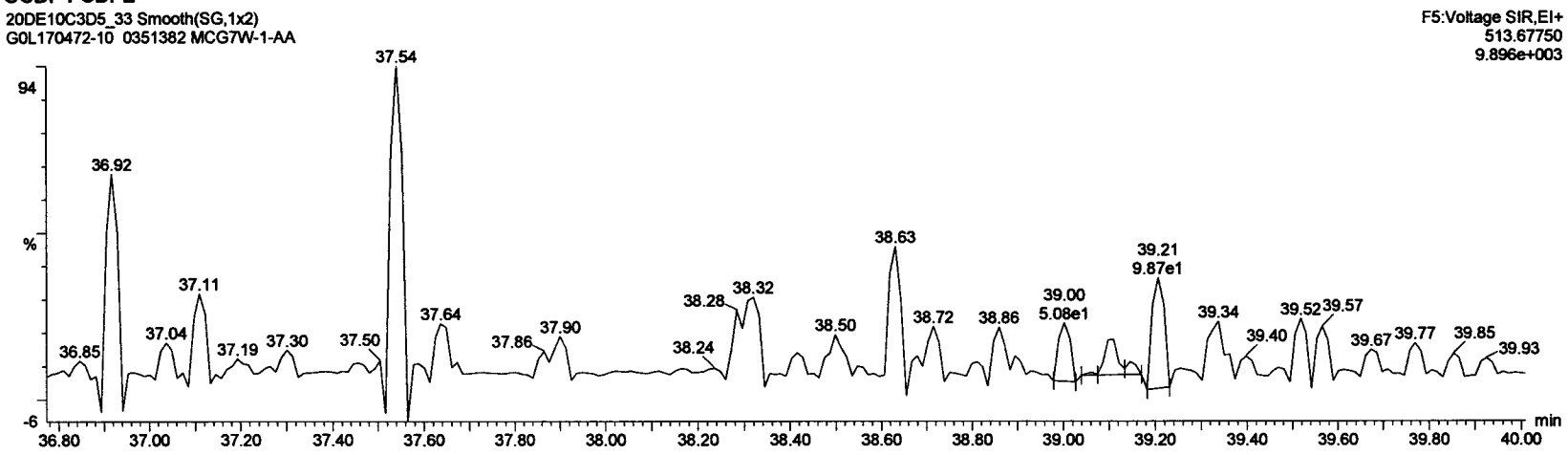
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

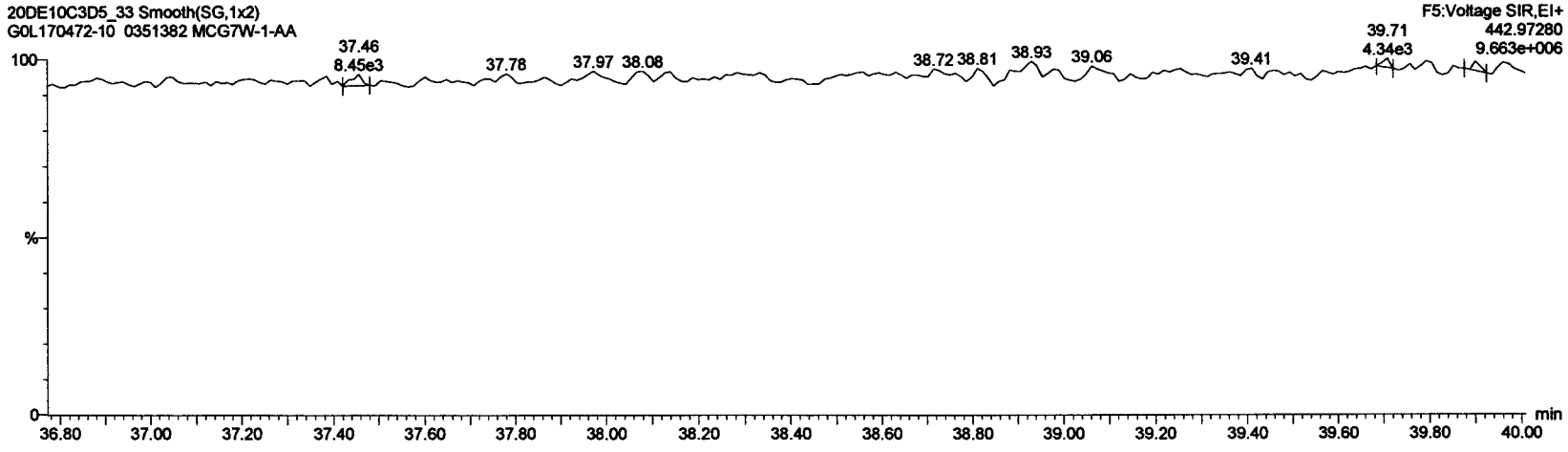
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_33, Date: 21-Dec-2010, Time: 16:46:38, ID: MCG7W-1-AA, Description: G0L170472-10 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:58:54 Pacific Standard Time

VB 12.24.6

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_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.69	18.70	1.000	3212338.50	4000.0000	4000.0000	100.0	2.2937	0.766	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	3821187.13	3577.7227	3577.7227	89.4	1.8568	0.796	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.17	18.16	0.972	3717.46	4.0055	4.0055 J		0.6611	0.867	0.770	NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		20.2810	19.2208 ✓		0.6611				
6															
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.90	0.890	2706080.63	3786.3938	3786.3938	94.7	2.5774	0.755	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000	18.91	18.91	1.009	673.20	0.9864	~~0.2918~~		0.5908	0.148	0.770	YES	
9	Total TCDDs	319.8965	0.50000		19.55	1.009		3.6404	~~2.2760~~		~~0.5908~~				
10									1.66 ✓						
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	723923.19	1647.7691	0.0000	103.0	1.3809				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.53	0.971	2900481.00	3720.6843	3720.6843	93.0	4.0785	1.588	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.52	23.53	1.069	2273.78	2.9330	2.9330 J		0.7442	1.488	1.550	NO	23-Dec-10
15	2,3,4,7,8-PeCDF	339.8597	0.50000		24.95	1.028			ND		0.7737		1.550		
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		10.6561	10.6561		~~0.7587~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		1.6553	+ 1.4383		=12.09 ✓ 0.6878				
18															
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.74	0.715	2105272.13	3665.2482	3665.2482	91.6	2.6529	1.518	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000		25.73	0.884			ND		1.3863		1.550		
21	Total PeCDDs	355.8546	0.50000		31.10	0.884					~~0.8162~~	1.390 L			
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.68	32.74	1.000	2074807.69	4000.0000	4000.0000	100.0	5.6967	1.280	1.240	NO	
24															
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.50000	31.36	31.36	1.084	2031156.81	3611.0944	3611.0944	90.3	8.1568	0.513	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.39	31.38	1.219	3055.85	4.9388	4.9388 J		0.7170	1.102	1.240	NO	23-Dec-10
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.51	31.51	1.396	2926.36	4.1274	3.6006 JQ		0.6257	1.568	1.240	YES	23-Dec-10
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000		32.15	1.237			ND		0.7060		1.240		
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000		32.86	1.078			ND		0.8103		1.240		
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		16.3174	15.7906 ✓		0.7088				
31															

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:58:54 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.38	32.38	0.894	1953368.06	4210.1141	4210.1141	105.3	6.3687	1.252	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.13	32.32	1.028	280.37	0.5587	~~0.4804~~		0.7631	5.937	1.240	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000	32.69	32.40	1.111	410.28	0.7565	~~0.6011~~		0.7061	0.785	1.240	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000	32.84	32.69	1.113	245.41	0.4516	~~0.4296~~		0.7047	6.805	1.240	YES	
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		5.6415	~~3.9402~~		~~0.7236~~	0.7LDL			
37															
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.23	34.20	0.881	1714881.88	3753.4823	3753.4823	93.8	9.0828	0.445	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.23	34.25	1.402	8341.74	13.8815	12.5164	JQR	0.8394	1.263	1.040	YES	23-Dec-10
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.36	35.35	1.199	2351.43	4.5740	4.5740	J	0.9812	0.933	1.040	NO	23-Dec-10
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		24.6914	23.3263	✓	0.9048				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	35.01	0.857	1635618.69	3677.7237	3677.7237	91.9	9.1222	1.043	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.05	35.06	0.981	1416.06	3.5298	3.1072	JQR	1.0017	1.317	1.040	YES	23-Dec-10
45	Total HpCDDs	423.7766	0.50000		-0.02	0.981		8.6458	8.2231	✓	1.0017				
46															
47	13C-OCDD	469.7779	0.50000	37.51	37.44	0.643	2557236.63	7665.3125	7665.3125	95.8	14.3712	0.858	0.890	NO	
48	OCDF	441.7428	0.50000	37.62	37.61	1.477	12724.89	26.9510	26.9510	J	1.2745	0.854	0.890	NO	23-Dec-10
49	OCDD	457.7377	0.50000	37.53	37.52	1.196	5428.03	14.1957	14.1957	J	1.5408	0.881	0.890	NO	23-Dec-10
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 PCDPE	375.8364	1.00000	20.25	20.25	17.814	18.48	1.0374		103.7	1.5510				
58	F1 PeCDF PCDPE	409.79740	1.00000		19.31	97.109					0.0000				
59	F2 PeCDF PCDPE	409.7974	1.00000	28.28	28.29	51.063	189.83	3.7176		371.8	3.4893				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.28	34.27	39.173	3.04	0.0777		7.8	1.6925				
62	OCDF PCDPE	513.67750	1.00000	39.17	39.16	27.302	66.08	2.4202		242.0	1.0725				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:58:54 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_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.63	1981.040	2.1346	1.9173	0.97151	0.6611	0.641	0.770	YES 14.468
	5 Total TCDFs	303.9016	16.39	3506.578	3.7783	3.7783	0.97151	0.6611	0.746	0.770	NO 21.270
	5 Total TCDFs	303.9016	15.59	1163.427	1.2536	1.2536	0.97151	0.6611	0.839	0.770	NO 10.380
	4 2,3,7,8-TCDF	303.9016	18.17	3717.463	4.0055	4.0055	0.97151	0.6611	0.867	0.770	NO 21.513
	5 Total TCDFs	303.9016	17.74	1955.823	2.1074	1.9305	0.97151	0.6611	0.932	0.770	YES 11.309
	5 Total TCDFs	303.9016	17.58	1365.235	1.4710	1.2584	0.97151	0.6611	0.593	0.770	YES 7.197
	5 Total TCDFs	303.9016	17.48	1402.687	1.5114	1.2763	0.97151	0.6611	1.096	0.770	YES 6.254
	5 Total TCDFs	303.9016	17.22	1930.384	2.0800	2.0800	0.97151	0.6611	0.701	0.770	NO 13.683
	5 Total TCDFs	303.9016	16.96	1799.722	1.9392	1.7208	0.97151	0.6611	0.995	0.770	YES 7.603

Total TCDDs

	8 2,3,7,8-TCDD	319.8965	18.91	673.200	0.9864	0.2918	1.00877	0.5908	0.148	0.770	YES 7.206
	9 Total TCDDs	319.8965	18.14	629.835	0.9229	0.3243	1.00877	0.5908	4.038	0.770	YES 2.594
	9 Total TCDDs	319.8965	16.86	620.002	0.9085	0.9085	1.00877	0.5908	0.775	0.770	NO 3.295
	9 Total TCDDs	319.8965	16.54	561.341	0.8225	0.7514	1.00877	0.5908	0.937	0.770	YES 4.620

Total F2 PeCDFs

	1. 1,2,3,7,8-PeCDF	339.8597	23.52	2273.781	2.9330	2.9330	1.06912	0.7442	1.488	1.550	NO 7.192
	1. Total F2 PeCD...	339.8597	23.01	1212.412	1.5943	1.5943	1.04877	0.7587	1.322	1.550	NO 6.912
	1. Total F2 PeCD...	339.8597	22.07	4660.857	6.1288	6.1288	1.04877	0.7587	1.508	1.550	NO 13.111

Total F1 PeCDFs

	1. Total F1 PeCD...	339.8597	20.41	1258.809	1.6553	1.4383	1.04877	0.6878	1.119	1.550	YES 7.178

Total PeCDDs

Total HxCDFs

	3. Total HxCDFs	373.8208	29.91	2781.332	4.4436	4.4436	1.23262	0.7088	1.246	1.240	NO 12.664
	3. Total HxCDFs	373.8208	29.52	1757.299	2.8076	2.8076	1.23262	0.7088	1.186	1.240	NO 7.030
	2. 1,2,3,6,7,8-Hx...	373.8208	31.51	2926.356	4.1274	3.6006	1.39626	0.6257	1.568	1.240	YES 20.635
	2. 1,2,3,4,7,8-Hx...	373.8208	31.39	3055.850	4.9388	4.9388	1.21851	0.7170	1.102	1.240	NO 18.941

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
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Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

Total HxCDDs

	3. Total HxCDDs	389.8157	32.86	181.864	0.3437	0.1698	1.08365	0.7236	3.535	1.240	YES 1.794
	3. 1,2,3,7,8,9-Hx...	389.8157	32.84	245.406	0.4516	0.1296	1.11276	0.7047	6.805	1.240	YES 1.579
	3. 1,2,3,6,7,8-Hx...	389.8157	32.69	410.282	0.7565	0.6011	1.11052	0.7061	0.785	1.240	YES 4.361
	3. 1,2,3,4,7,8-Hx...	389.8157	32.13	280.372	0.5587	0.1804	1.02768	0.7631	5.937	1.240	YES 1.804
	3. Total HxCDDs	389.8157	31.72	195.203	0.3689	0.3240	1.08365	0.7236	1.550	1.240	YES 3.400
	3. Total HxCDDs	389.8157	31.67	352.428	0.6660	0.3142	1.08365	0.7236	0.354	1.240	YES 7.110
	3. Total HxCDDs	389.8157	31.48	249.211	0.4709	0.0267	1.08365	0.7236	38.539	1.240	YES 0.665
	3. Total HxCDDs	389.8157	31.35	660.386	1.2479	0.6291	1.08365	0.7236	3.443	1.240	YES 3.755
	3. Total HxCDDs	389.8157	30.71	411.386	0.7774	0.6654	1.08365	0.7236	1.617	1.240	YES 4.727

Total HpCDFs

	3. 1,2,3,4,6,7,8-H...	407.7818	34.23	8341.736	13.8815	12.5164	1.40167	0.8394	1.263	1.040	YES 66.265
	4. 1,2,3,4,7,8,9-H...	407.7818	35.36	2351.425	4.5740	4.5740	1.19912	0.9812	0.933	1.040	NO 17.032
	4. Total HpCDFs	407.7818	34.54	2091.843	3.7522	3.7522	1.30039	0.9048	1.001	1.040	NO 17.523
	4. Total HpCDFs	407.7818	34.43	1384.686	2.4837	2.4837	1.30039	0.9048	1.157	1.040	NO 12.167

Total HpCDDs

	4. 1,2,3,4,6,7,8-H...	423.7766	35.05	1416.056	3.5298	3.1072	0.98108	1.0017	1.317	1.040	YES 17.846
	4. Total HpCDDs	423.7766	34.48	2052.375	5.1160	5.1160	0.98108	1.0017	1.073	1.040	NO 29.495

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

G0L170472

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:37 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_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382, Task:

#	Name	Trace %	Sample Size	RT	Prd RT	RRF M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	0.500	18.69	18.70	1.00000	3212338.50	4000.0000	4000.0000	100.0	2.29368	0.77	NO	
2														
3	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993	3821187.13	3577.7227	3577.7227	89.4	1.85676	0.80	NO	
4	2,3,7,8-TCDF	303.9016	0.500	18.17	18.16	0.97151	3717.46	4.0055	4.0055		0.66109	0.87	NO	
5	Total TCDFs	303.9016	0.500		21.44	0.97151		18.4994	17.0614		0.66109			
6														
7	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.89	0.88993	2706080.63	3786.3938	3786.3938	94.7	2.57739	0.76	NO	
8	2,3,7,8-TCDD	319.8965	0.500	18.91	18.91	1.00877	673.20	0.9864	~~0.2918~~		0.59083	0.15	YES	
9	Total TCDDs	319.8965	0.500		19.55	1.00877		3.6404	~~2.2760~~ 1.66		0.59083			
10														
11	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940	723923.19	1647.7691	0.0000	103.0	1.38089			
12														
13	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.53	0.97070	2900481.00	3720.6843	3720.6843	93.0	4.07853	1.59	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.500	23.52	23.53	1.06912	1458.53	1.8814	0.3244		0.74423	13.79	YES	
15	2,3,4,7,8-PeCDF	339.8597	0.500		24.95	1.02843			ND		0.77368		NO	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877		8.3640	4.5562		0.75867			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877		1.6553	+ 1.4383		0.68777			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.74	0.71523	2105272.13	3665.2482	3665.2482	91.6	2.65292	1.52	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500		25.73	0.88408			ND		1.38628		NO	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408		3.0325	~~1.7657~~		1.38628			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.68	32.74	1.00000	2074807.69	4000.0000	4000.0000	100.0	5.69670	1.28	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.36	31.36	1.08439	2031156.81	3611.0944	3611.0944	90.3	8.15676	0.51	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.39	31.38	1.21851	2388.38	3.8600	2.8496		0.71703	0.69	YES	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.51	1.39626	2370.27	3.3431	2.3997		0.62574	2.12	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	31.88	32.15	1.23749	540.19	0.8597	~~0.8597~~		0.70603	1.21	NO	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.90	32.86	1.07822	412.53	0.7535	~~0.5094~~		0.81032	2.31	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262		15.8020	12.2557		0.70882			

Quantify Sample Summary Report   MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:37 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.38	32.38	0.89448	1953368.06	4210.1141	4210.1141	105.3	6.36870	1.25	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.13	32.32	~~1.02766~~ .8.5	280.37	0.5587	~~0.1804~~		0.76306	5.94	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500	32.69	32.40	1.11052	410.28	0.7565	~~0.6011~~		0.70614	0.79	YES	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500	32.84	32.69	1.11276	245.41	0.4516	~~0.1296~~		0.70472	6.80	YES	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365		5.6415	~~3.0402~~ 0.76 DL		~~0.72365~~			
37														
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.20	0.88081	1714881.88	3753.4823	3753.4823	93.8	9.08277	0.45	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.23	34.25	1.40167	8038.27	13.3765	13.3765 J		0.83942	1.18	NO	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.35	1.19912	1724.37	3.3542	2.3377		0.98121	1.93	YES	
41	Total HpCDFs	407.7818	0.500		0.00	1.30039		19.6982	17.5006		0.90479			
42														
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.01	0.85740	1635618.69	3677.7237	3677.7237	91.9	9.12221	1.04	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.05	35.06	0.98108	1455.16	3.6273	3.1072		1.00165	1.38	YES	
45	Total HpCDDs	423.7766	0.500		-0.02	0.98108		11.0491	8.9913		1.00165			
46														
47	13C-OCDD	469.7779	0.500	37.50	37.44	0.64317	2557236.63	7665.3125	7665.3125	95.8	14.37120	0.86	NO	
48	OCDF	441.7428	0.500	37.62	37.61	1.47706	9906.01	20.9807	20.9807		1.27448	0.83	NO	
49	OCDD	457.7377	0.500	37.53	37.52	1.19620	3754.99	9.8203	7.2770		1.54079	0.54	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 PCDPE	375.8364	1.000	20.24	20.25	17.814...	18.48	1.0374		103.7	1.55095			
58	F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109...					0.00000			
59	F2 PeCDF PCDPE	409.7974	1.000	28.28	28.29	51.062...	189.83	3.7176		371.8	3.48926			
60	HXCDF PCDPE	445.7555	1.000		33.24	21.190...					0.00000			
61	HPCDF PCDPE	479.7165	1.000	34.28	34.27	39.173...	3.04	0.0777		7.8	1.69247			
62	OCDF PCDPE	513.67750	1.000	39.17	39.16	27.302...	66.08	2.4202		242.0	1.07247			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:37 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_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382, Task:

Total TCDFs

	#	Name	mz/Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5	Total TCDFs	303.9016	16.63	1881.413	2.0272	1.6706	0.97151	0.6611	0.559	0.770	YES	14.468
2	5	Total TCDFs	303.9016	16.39	2694.634	2.9035	2.3084	0.97151	0.6611	0.529	0.770	YES	21.240
3	5	Total TCDFs	303.9016	15.59	1163.427	1.2536	1.2536	0.97151	0.6611	0.839	0.770	NO	10.380
4	4	2,3,7,8-TCDF	303.9016	18.17	3717.463	4.0055	4.0055	0.97151	0.6611	0.867	0.770	NO	21.513
5	5	Total TCDFs	303.9016	17.73	1955.823	2.1074	1.9305	0.97151	0.6611	0.932	0.770	YES	11.309
6	5	Total TCDFs	303.9016	17.58	880.471	0.9487	0.8846	0.97151	0.6611	0.898	0.770	YES	7.281
7	5	Total TCDFs	303.9016	17.48	1173.668	1.2646	1.2646	0.97151	0.6611	0.754	0.770	NO	6.254
8	5	Total TCDFs	303.9016	17.22	1930.384	2.0800	2.0800	0.97151	0.6611	0.701	0.770	NO	13.683
9	5	Total TCDFs	303.9016	16.96	1170.060	1.2607	1.0630	0.97151	0.6611	1.099	0.770	YES	7.472
10	5	Total TCDFs	303.9016	16.89	601.560	0.6482	0.6005	0.97151	0.6611	0.911	0.770	YES	4.860

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	18.91	673.200	0.9864	~~0.2918~~	1.00877	~~0.5908~~	0.148	0.770	YES	7.206
2	9	Total TCDDs	319.8965	18.14	629.835	0.9229	~~0.3243~~	1.00877	0.5908	4.038	0.770	YES	2.594
3	9	Total TCDDs	319.8965	16.86	620.002	0.9085	0.9085	1.00877	0.5908	0.775	0.770	NO	3.295
4	9	Total TCDDs	319.8965	16.54	561.341	0.8225	0.7514	1.00877	0.5908	0.937	0.770	YES	4.620

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	Total F2 PeCD...	339.8597	22.00	541.305	0.7118	0.5161	1.04877	0.7587	2.517	1.550	YES	3.162
2	...	1,2,3,7,8-PeCDF	339.8597	23.52	1458.531	1.8814	0.3244	1.06912	0.7442	13.788	1.550	YES	2.193
3	...	Total F2 PeCD...	339.8597	23.01	1263.653	1.6616	1.4004	1.04877	0.7587	2.026	1.550	YES	6.250
4	...	Total F2 PeCD...	339.8597	22.07	3124.985	4.1092	2.3153	1.04877	0.7587	3.526	1.550	YES	11.467

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	1258.809	1.6553	1.4383	1.04877	0.6878	1.119	1.550	YES	7.178

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	Total PeCDDs	355.8546	24.91	249.742	0.5367	0.3377	0.88408	1.3863	3.053	1.550	YES	3.108
2	...	Total PeCDDs	355.8546	24.20	351.455	0.7553	0.4668	0.88408	1.3863	3.126	1.550	YES	3.411
3	...	Total PeCDDs	355.8546	24.10	239.252	0.5142	0.3517	0.88408	1.3863	0.712	1.550	YES	3.868
4	...	Total PeCDDs	355.8546	23.52	570.591	1.2263	0.6094	0.88408	1.3863	4.131	1.550	YES	3.493

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:37 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382, Task:

Total HxCDFs

	#	Name	Trace	RT	Abs Resp	Conc.	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio...	S/N
1	...	Total HxCDFs	373.8208	30.47	217.195	0.3470	0.2794	1.23262	0.7088	0.804	1.240	YES	4.510
2	...	Total HxCDFs	373.8208	29.93	811.956	1.2972	1.0467	1.23262	0.7088	1.776	1.240	YES	9.472
3	...	Total HxCDFs	373.8208	29.91	1505.307	2.4050	2.4050	1.23262	0.7088	1.076	1.240	NO	11.432
4	...	Total HxCDFs	373.8208	29.57	476.401	0.7611	0.3601	1.23262	0.7088	0.355	1.240	YES	6.138
5	...	Total HxCDFs	373.8208	29.45	394.684	0.6306	0.4881	1.23262	0.7088	0.750	1.240	YES	5.637
6	...	Total HxCDFs	373.8208	33.00	142.316	0.2274	0.1529	1.23262	0.7088	0.593	1.240	YES	4.296
7	...	1,2,3,7,8,9-Hx...	373.8208	32.90	412.534	0.7535	0.5094	1.07822	0.8103	2.313	1.240	YES	4.102
8	...	2,3,4,6,7,8-Hx...	373.8208	31.88	540.192	0.8597	0.8597	1.23749	0.7060	1.206	1.240	NO	3.730
9	...	Total HxCDFs	373.8208	31.68	159.134	0.2542	0.1873	1.23262	0.7088	2.040	1.240	YES	2.191
10	...	Total HxCDFs	373.8208	31.63	404.007	0.6455	0.4171	1.23262	0.7088	0.557	1.240	YES	5.412
11	...	1,2,3,6,7,8-Hx...	373.8208	31.51	2370.266	3.3431	2.3997	1.39626	0.6257	2.121	1.240	YES	19.845
12	...	1,2,3,4,7,8-Hx...	373.8208	31.39	2388.375	3.8600	2.8496	1.21851	0.7170	0.691	1.240	YES	18.623
13	...	Total HxCDFs	373.8208	30.76	153.339	0.2450	0.1736	1.23262	0.7088	2.162	1.240	YES	2.081
14	...	Total HxCDFs	373.8208	30.52	108.126	0.1727	0.1273	1.23262	0.7088	2.039	1.240	YES	2.132

	#	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	32.86	181.864	0.3437	0.1698	1.08365	0.7236	3.535	1.240	YES	1.794
2	...	1,2,3,7,8,9-Hx...	389.8157	32.84	245.406	0.4516	0.1296	1.11276	0.7047	6.805	1.240	YES	1.579
3	...	1,2,3,6,7,8-Hx...	389.8157	32.69	410.282	0.7565	0.6011	1.11052	0.7061	0.785	1.240	YES	4.361
4	...	1,2,3,4,7,8-Hx...	389.8157	32.13	280.372	0.5587	0.1804	1.02768	0.7631	5.937	1.240	YES	1.804
5	...	Total HxCDDs	389.8157	31.72	195.203	0.3689	0.3240	1.08365	0.7236	1.550	1.240	YES	3.400
6	...	Total HxCDDs	389.8157	31.67	352.428	0.6660	0.3142	1.08365	0.7236	0.354	1.240	YES	7.110
7	...	Total HxCDDs	389.8157	31.48	249.211	0.4709	0.0267	1.08365	0.7236	38.538	1.240	YES	0.665
8	...	Total HxCDDs	389.8157	31.35	660.386	1.2479	0.6291	1.08365	0.7236	3.443	1.240	YES	3.755
9	...	Total HxCDDs	389.8157	30.71	411.386	0.7774	0.6654	1.08365	0.7236	1.617	1.240	YES	4.727

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

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	34.23	8038.274	13.3765	13.3765	1.40167	0.8394	1.180	1.040	NO	66.265
2	...	1,2,3,4,7,8,9-H...	407.7818	35.36	1724.370	3.3542	2.3377	1.19912	0.9812	1.927	1.040	YES	15.178
3	...	Total HpCDFs	407.7818	34.57	812.649	1.4577	0.6709	1.30039	0.9048	0.307	1.040	YES	18.958
4	...	Total HpCDFs	407.7818	34.54	841.698	1.5098	1.1154	1.30039	0.9048	0.604	1.040	YES	17.438

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:37 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382, Task:

Total HpCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio C	Ratio	S/N
1	...	Total HpCDDs	423.7766	35.35	410.660	1.0237	0.0912	0.98108	1.0017	21.909	1.040	YES	1.938
2	...	1,2,3,4,6,7,8-H...	423.7766	35.05	1455.162	3.6273	3.1072	0.98108	1.0017	1.381	1.040	YES	17.846
3	...	Total HpCDDs	423.7766	34.48	1877.809	4.6808	4.6808	0.98108	1.0017	0.897	1.040	NO	29.495
4	...	Total HpCDDs	423.7766	34.21	688.925	1.7173	1.1122	0.98108	1.0017	2.150	1.040	YES	6.867

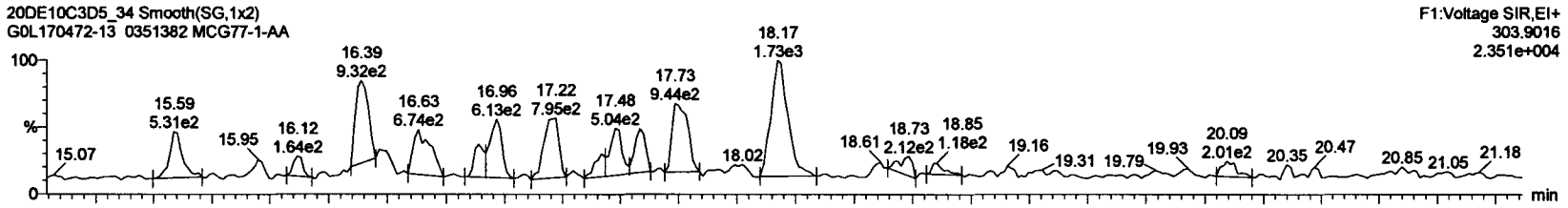
Quantify Sample Report **MassLynx 4.1**

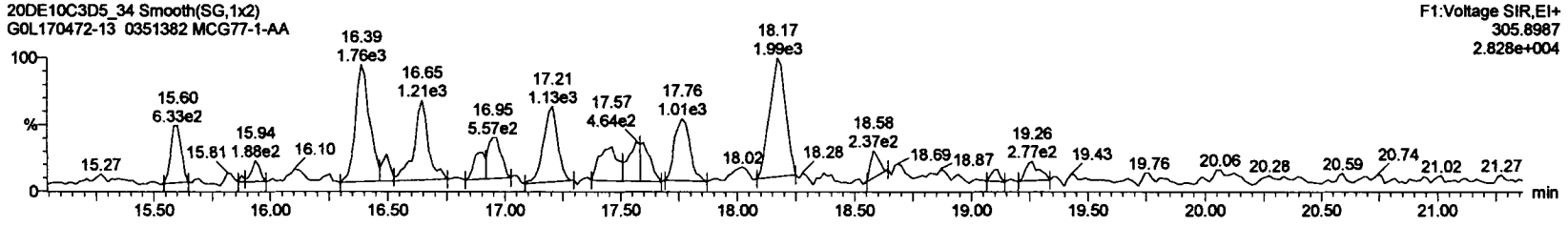
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

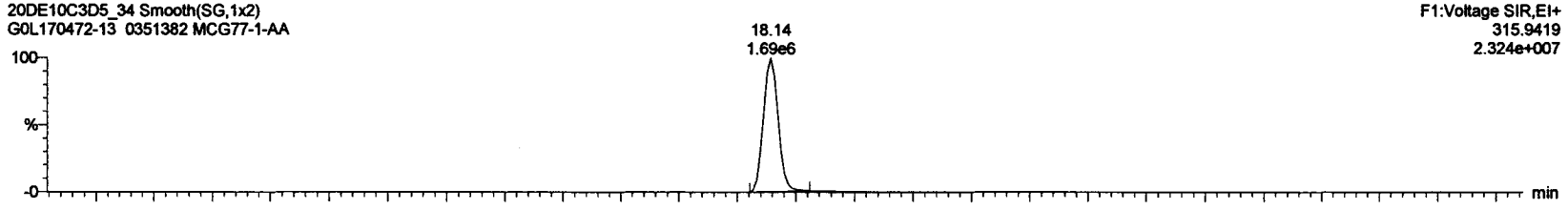
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

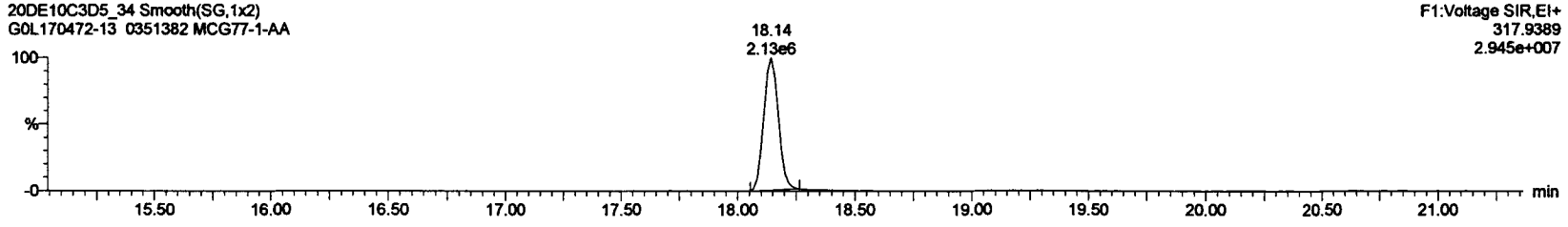
TCDFs





13C-TCDF





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

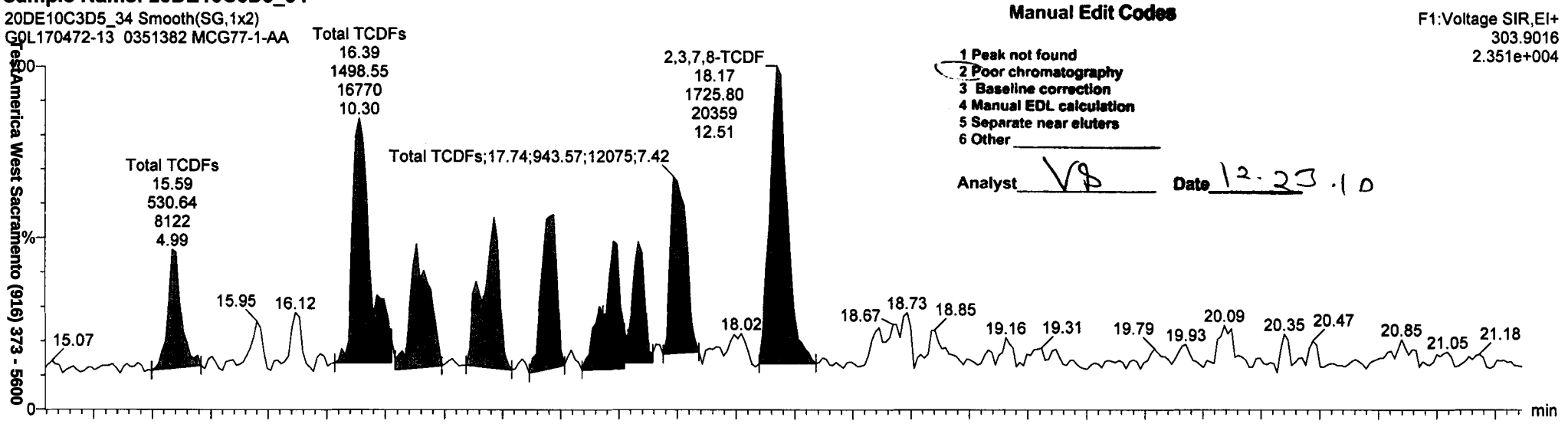
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

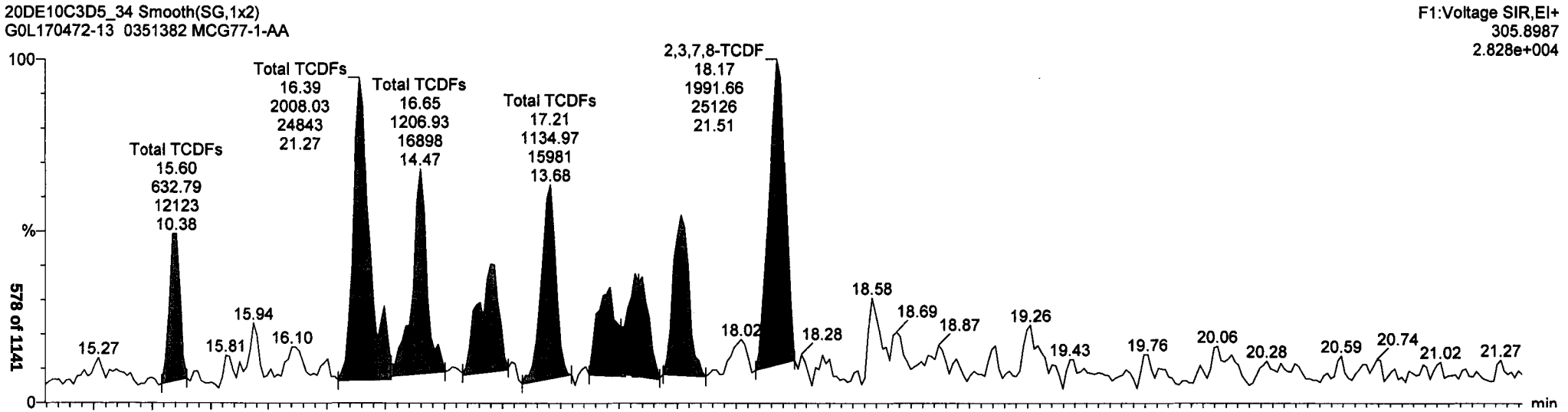
Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

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 TCDFs, Chrom. Trace: 303.9016

Sample Name: 20DE10C3D5_34





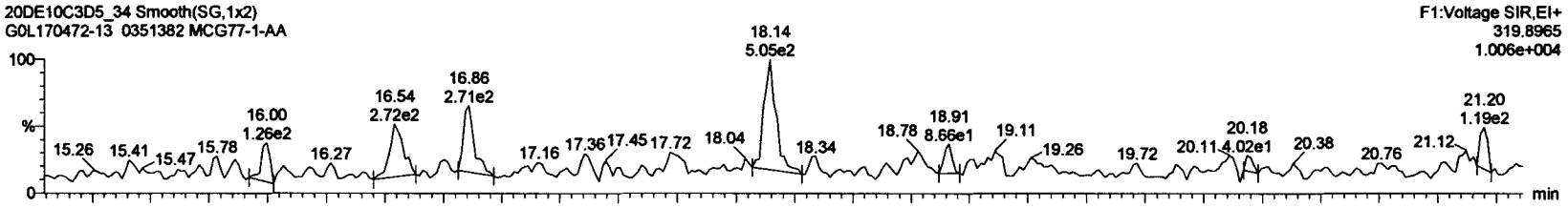
Quantify Sample Report **MassLynx 4.1**

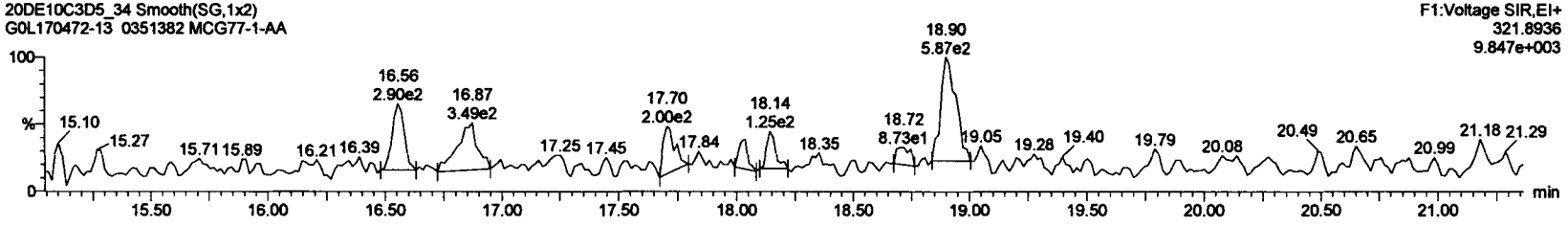
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

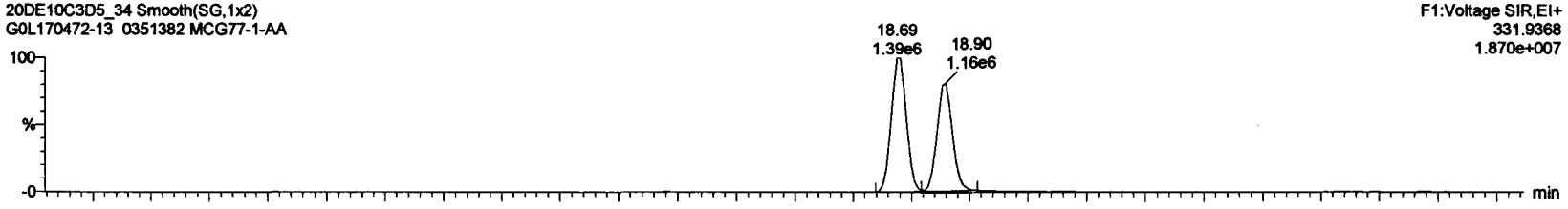
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

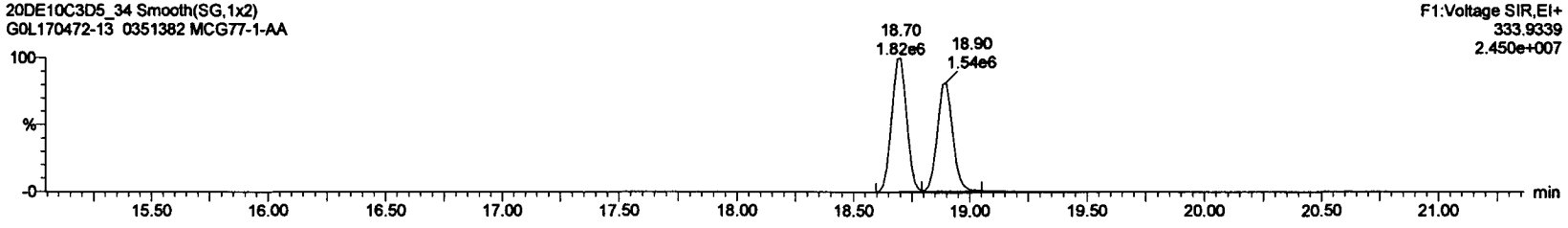
TCDDs





13C-TCDDs





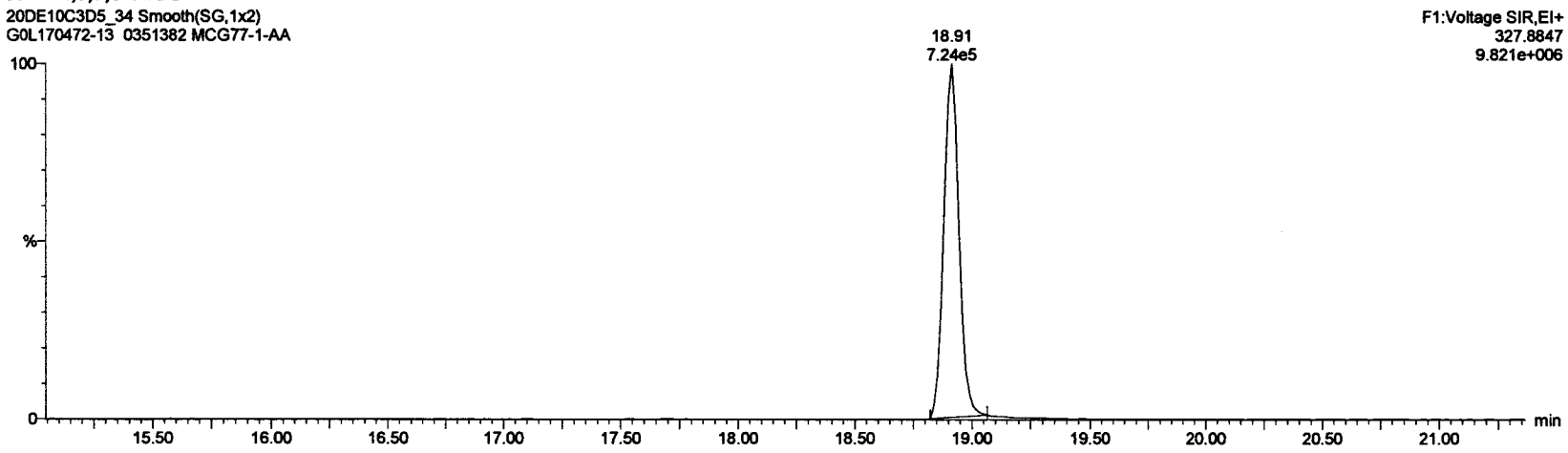
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

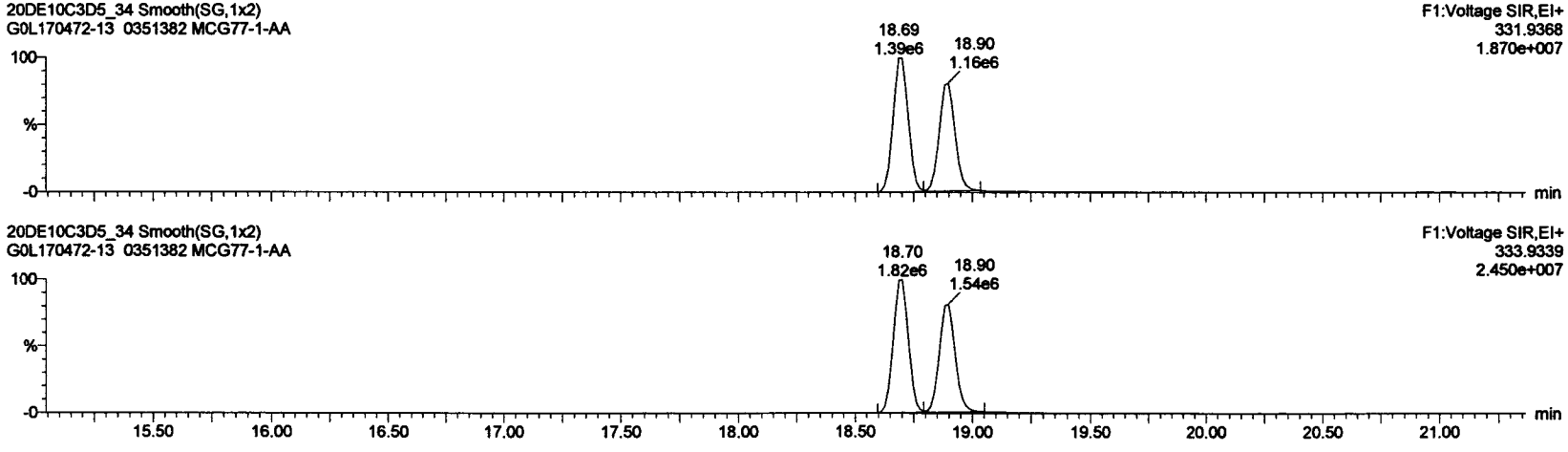
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

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



13C-TCDDs



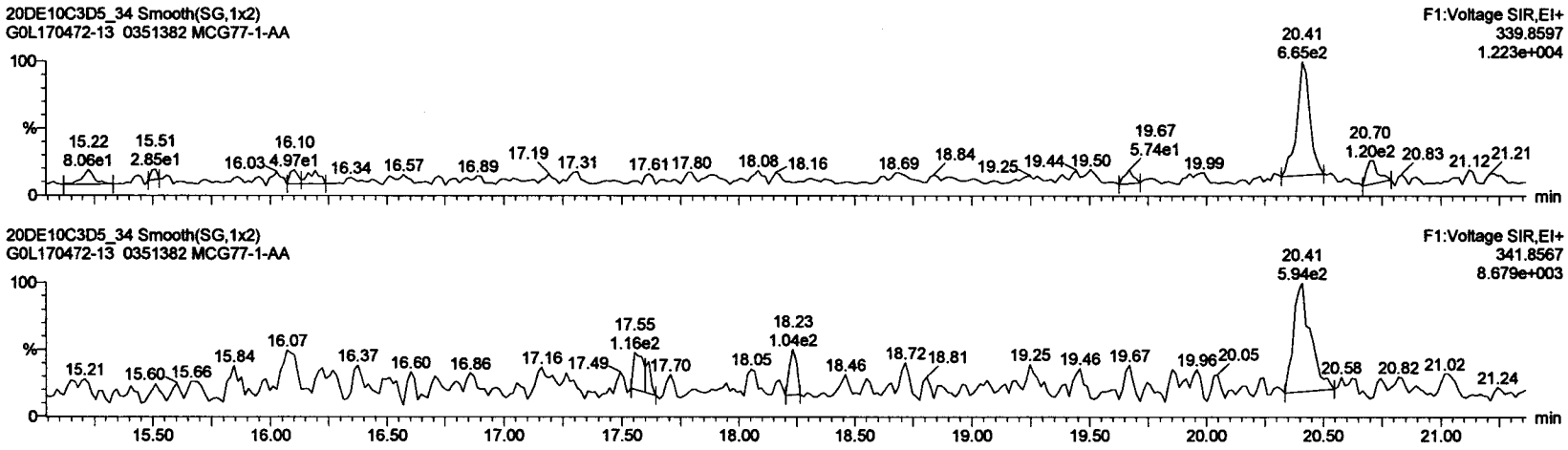
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

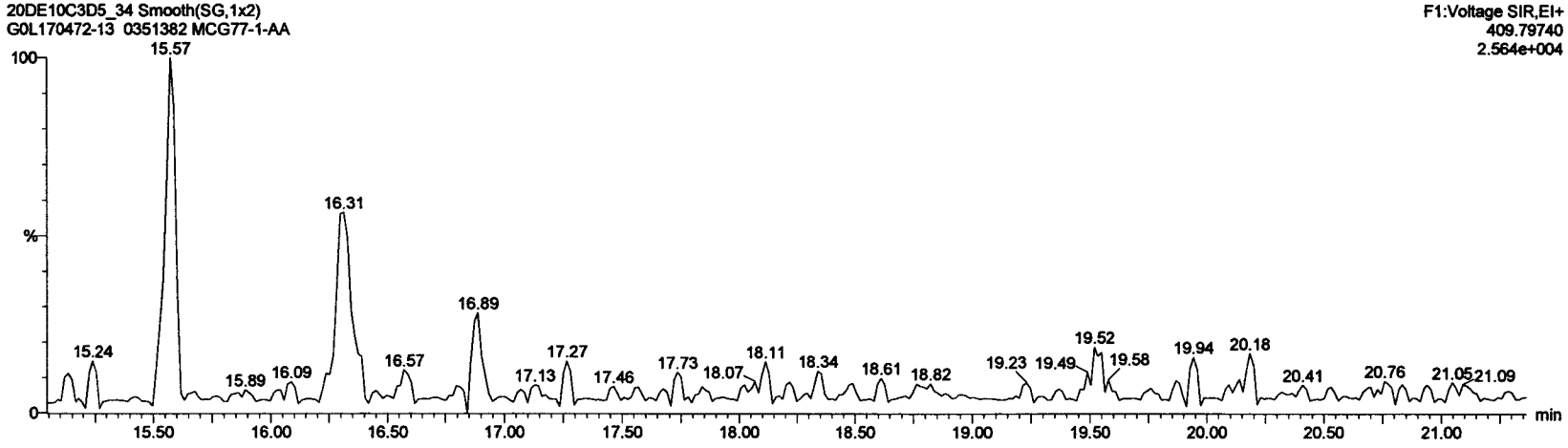
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

F1 PeCDFs



F1 PeCDF PCDPE



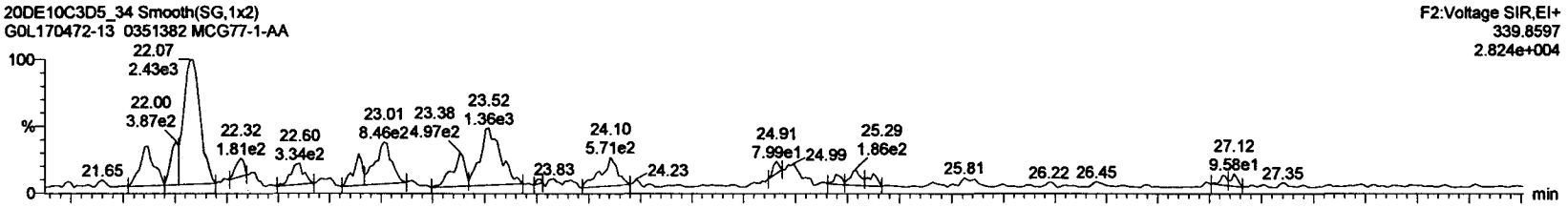
Quantify Sample Report **MassLynx 4.1**

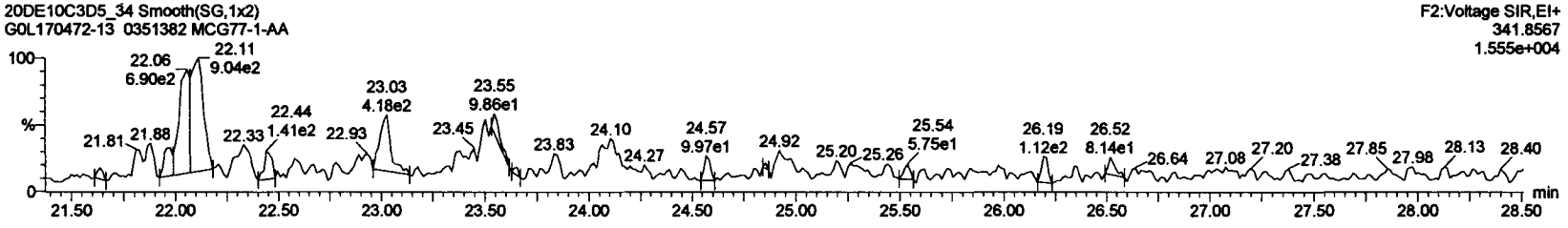
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

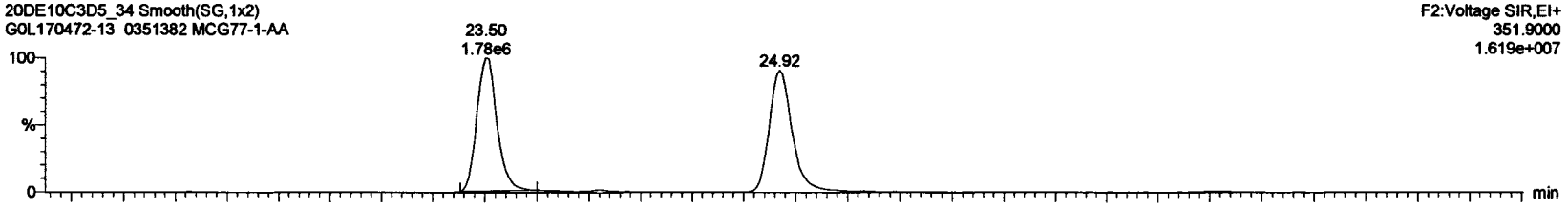
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

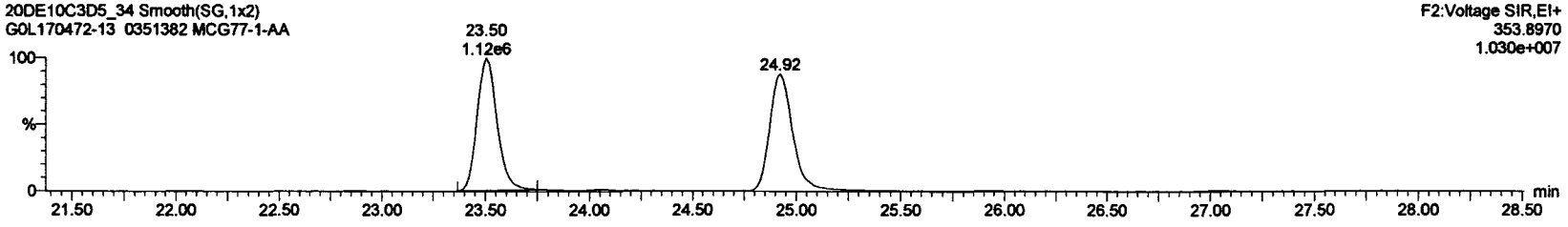
PeCDFs





13C-PeCDFs



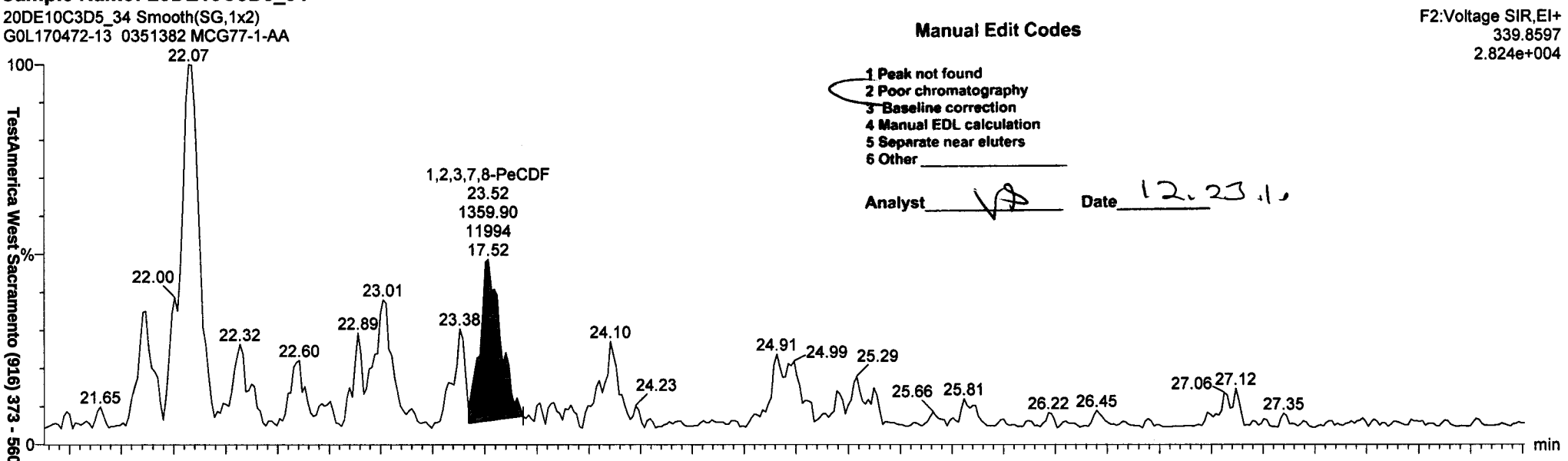


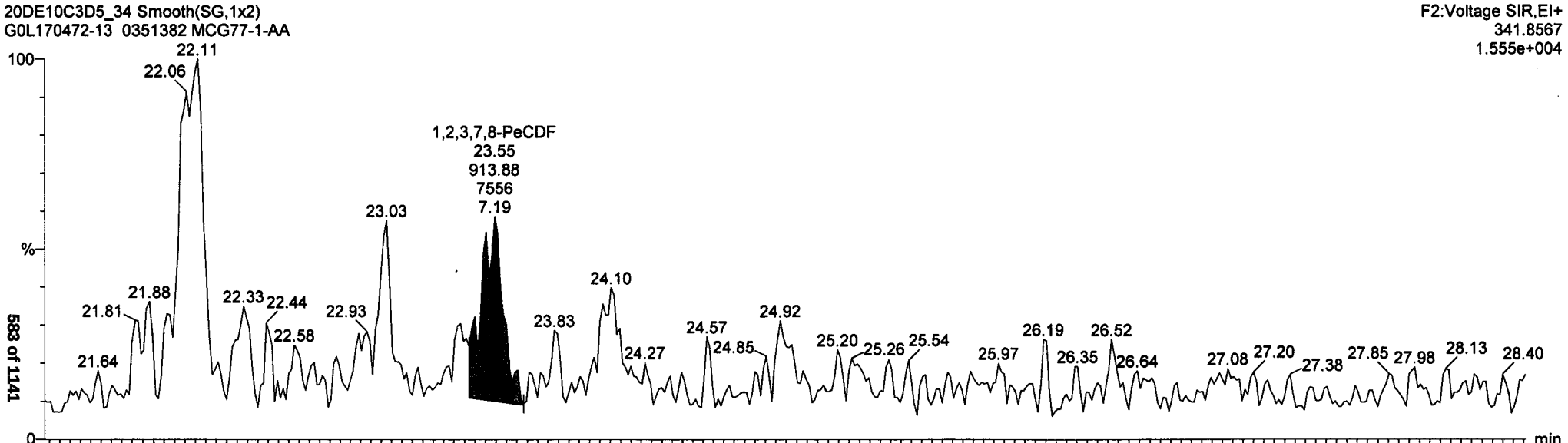
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: 1,2,3,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_34



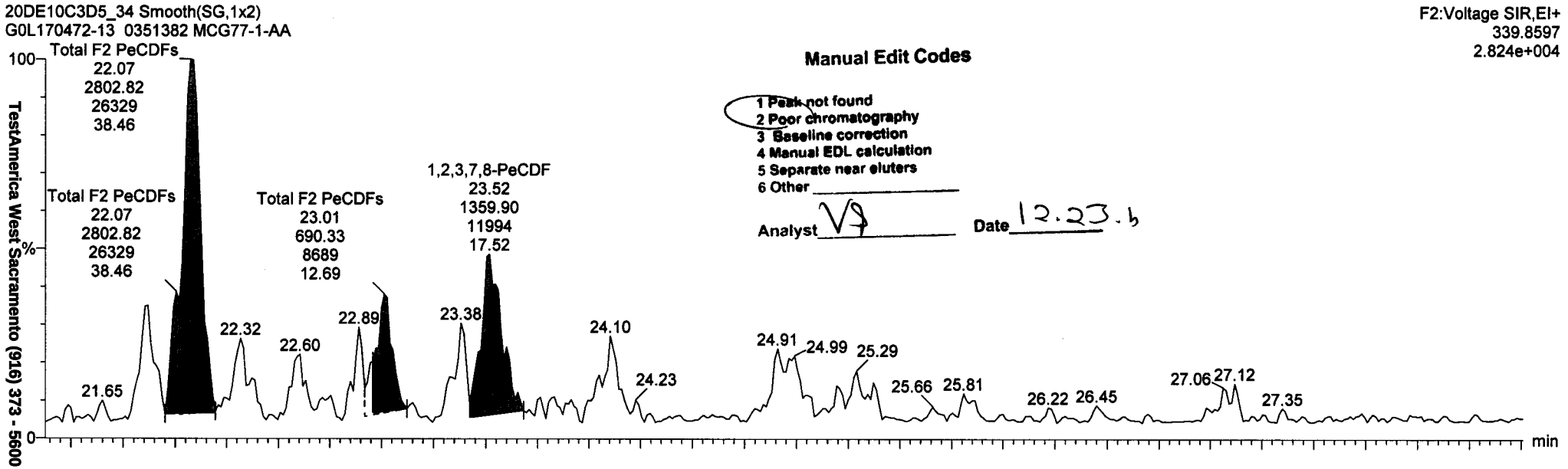


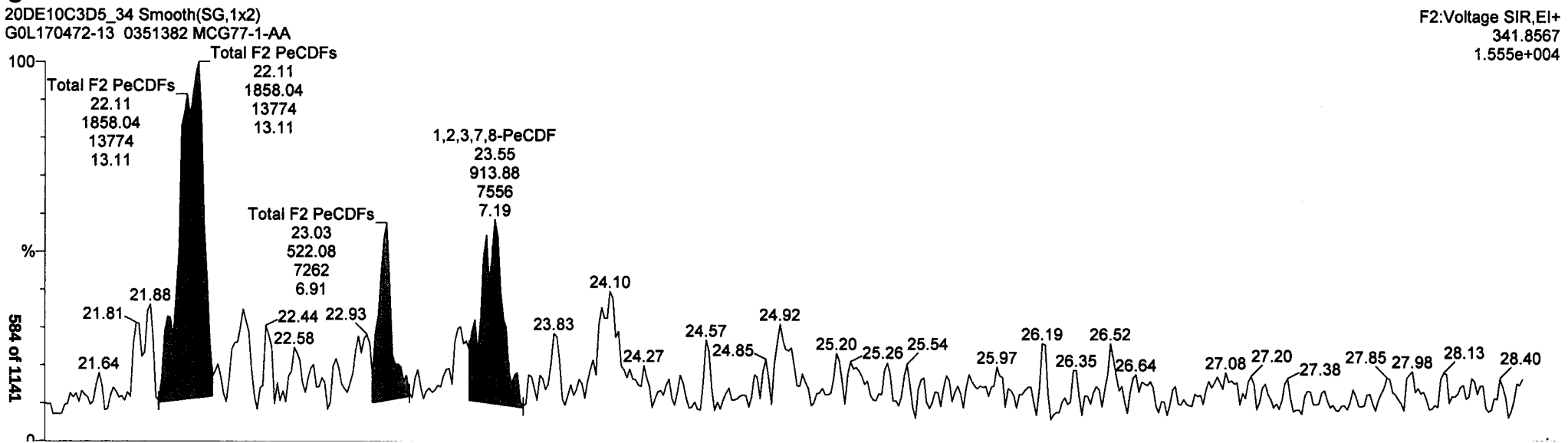
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_34





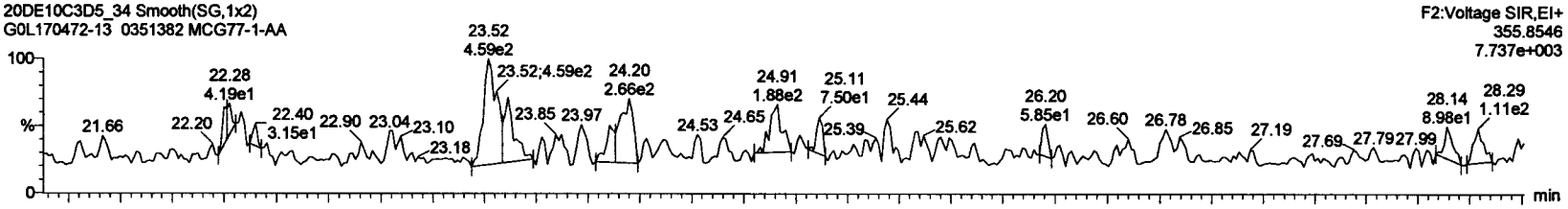
Quantify Sample Report **MassLynx 4.1**

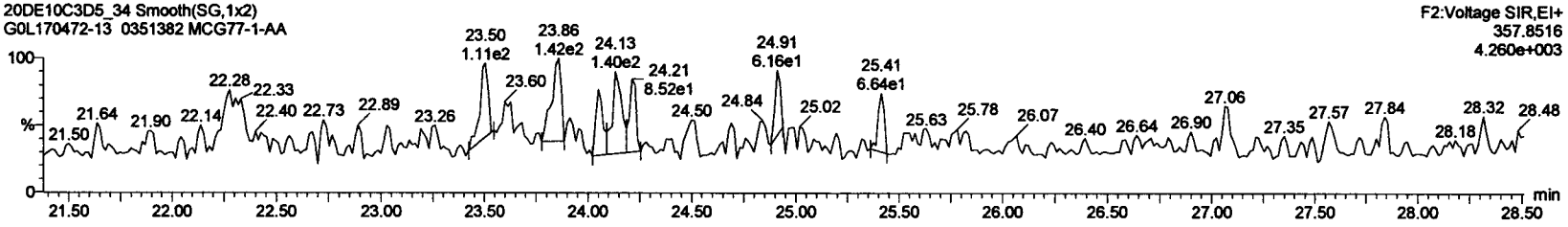
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

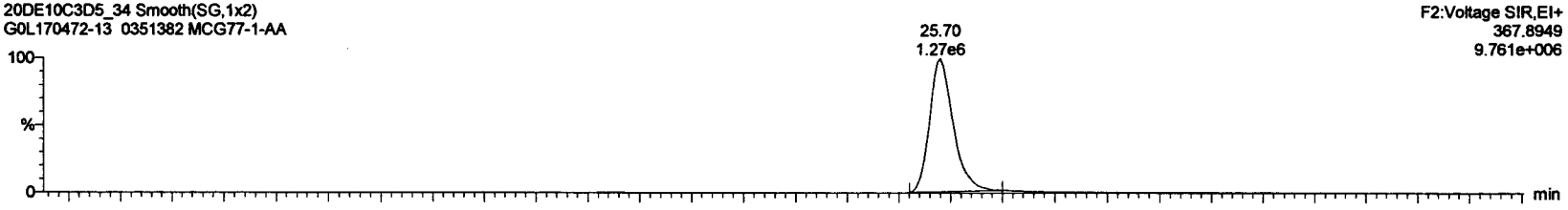
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

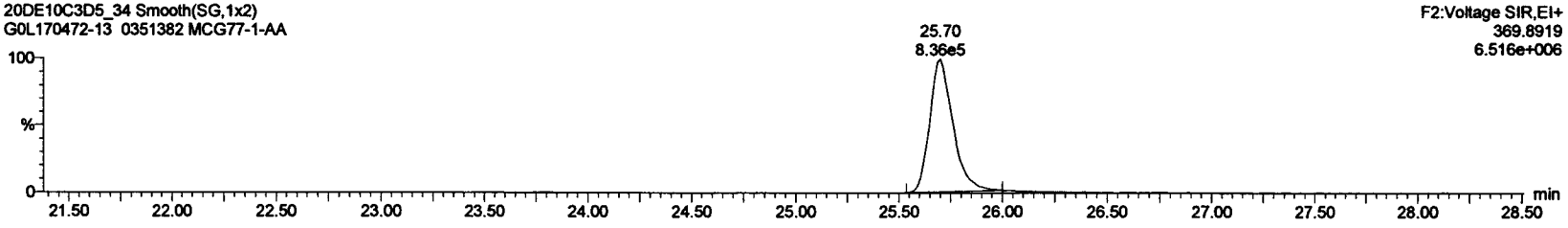
PeCDDs





13C-PeCDD





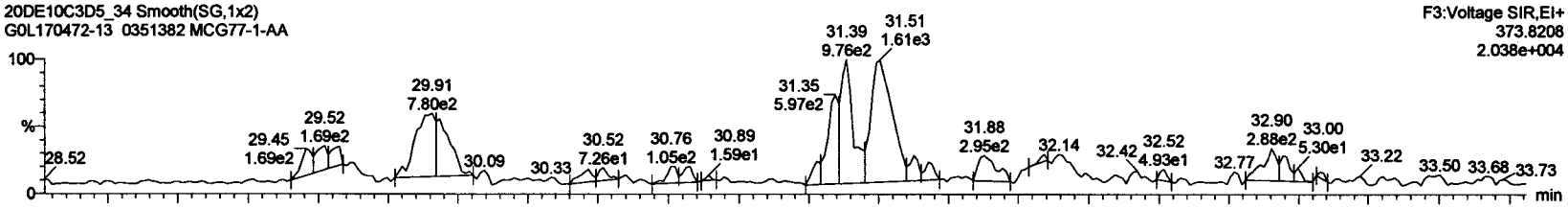
Quantify Sample Report **MassLynx 4.1**

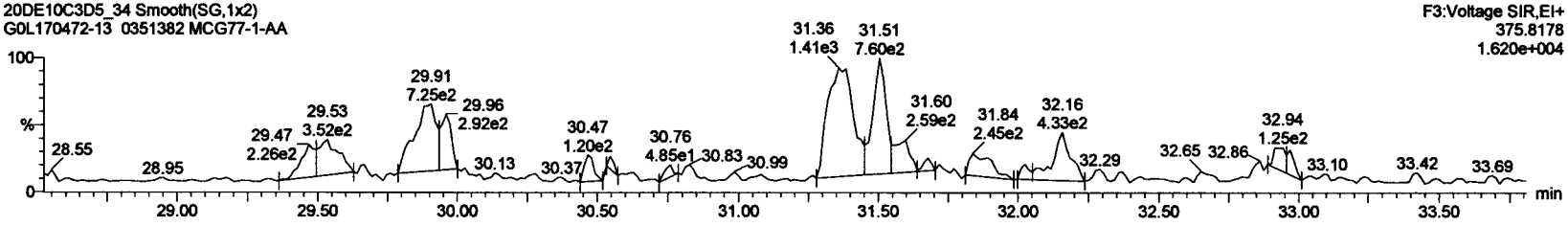
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

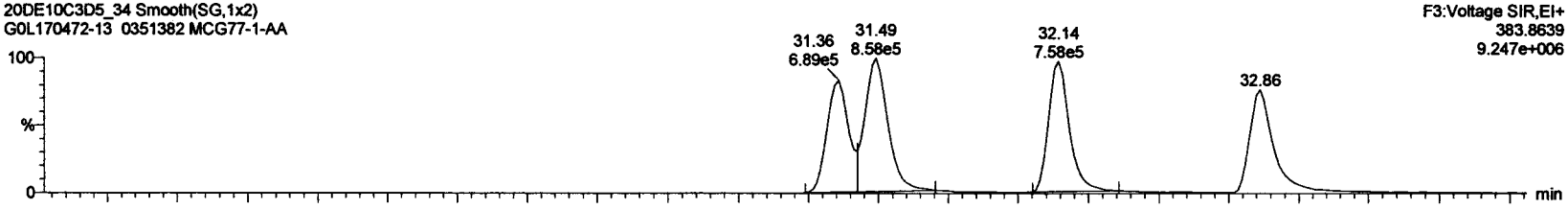
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

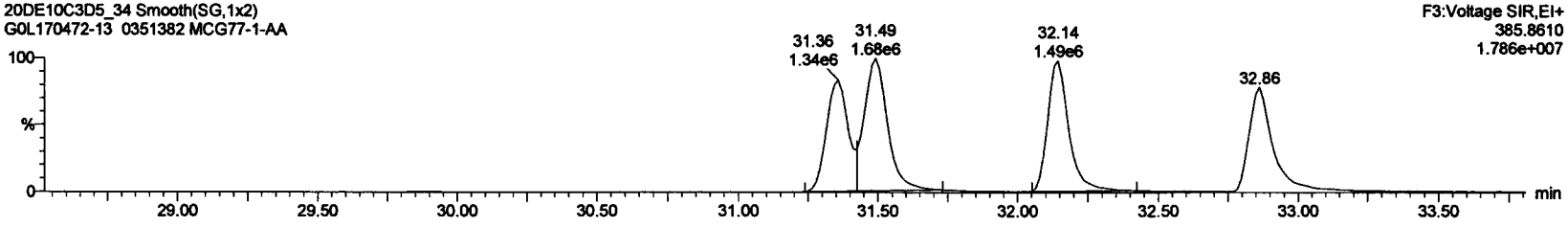
HxCDFs





13C-HxCDFs



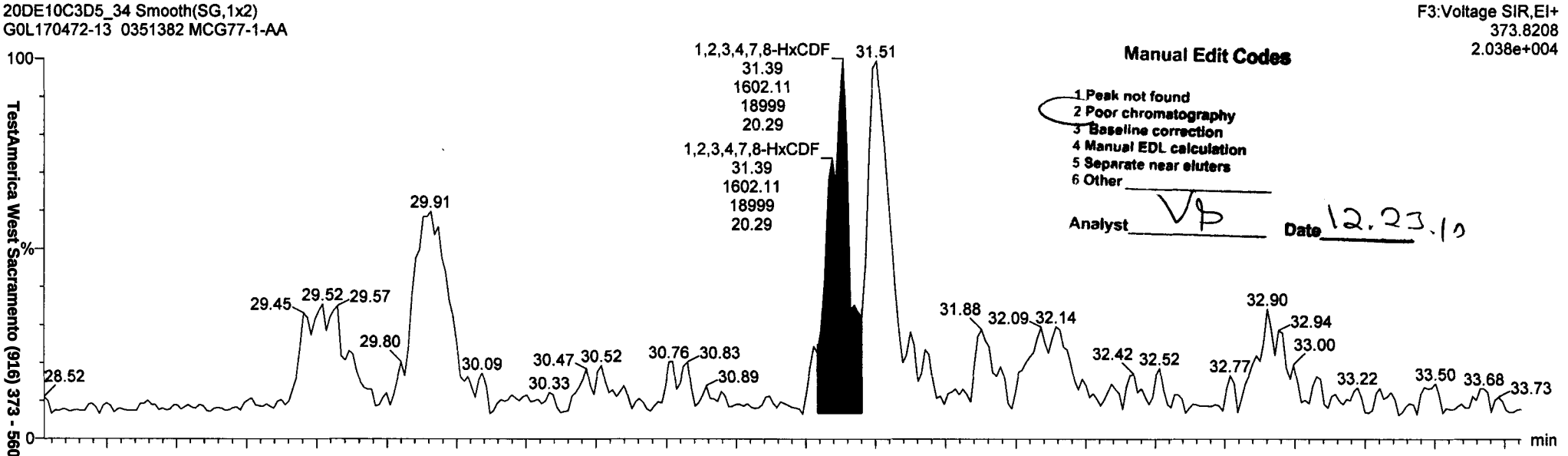


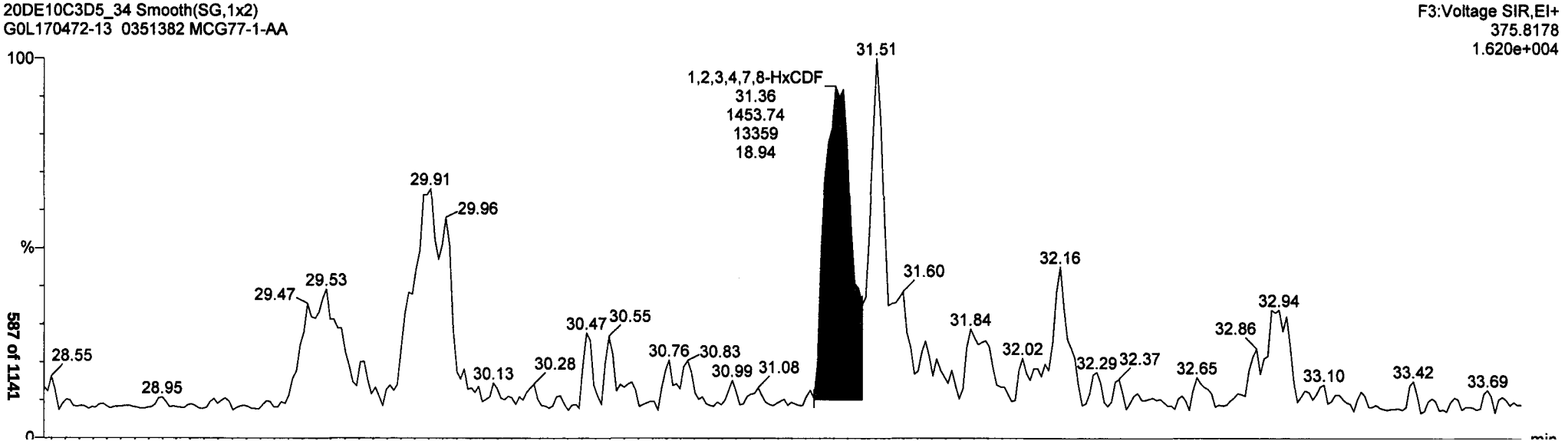
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: 1,2,3,4,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_34



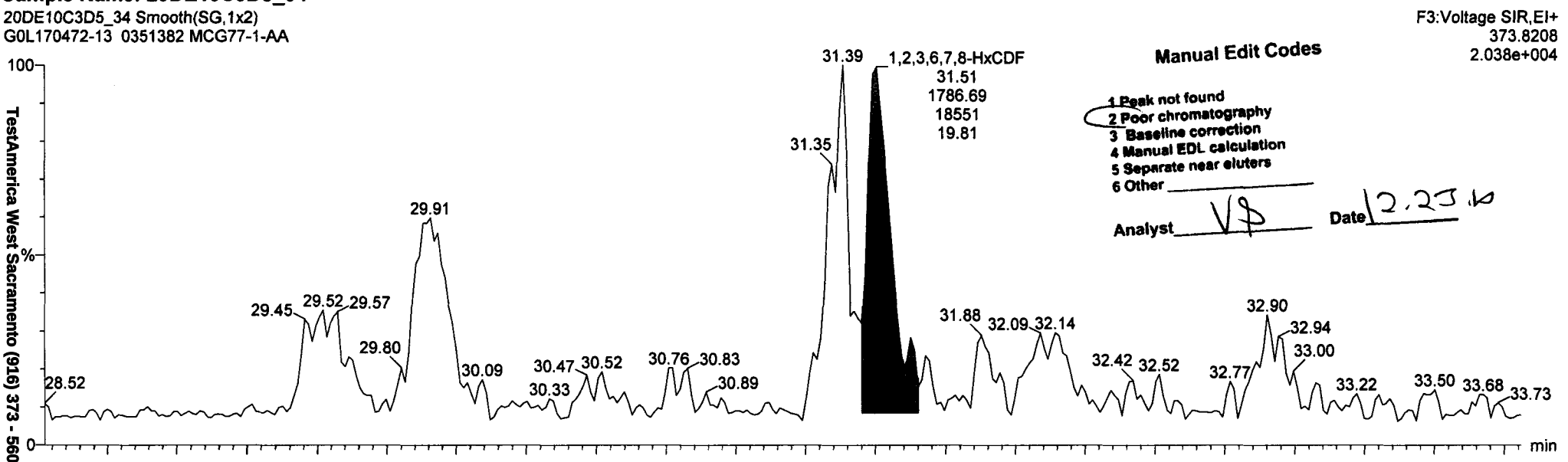


Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDF, Chrom. Trace: 373.8208

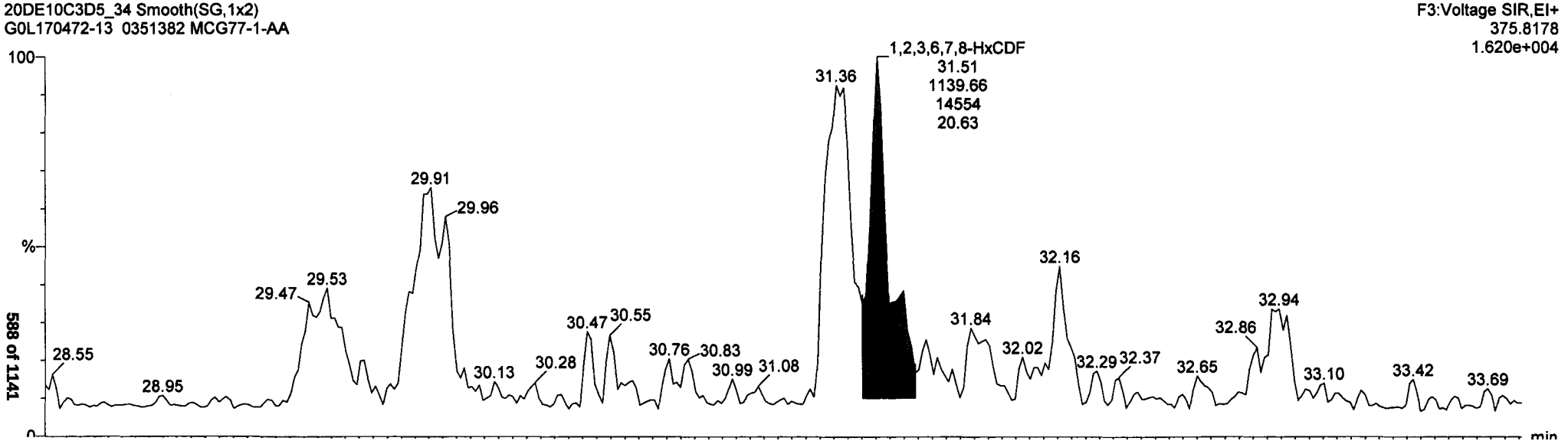
Sample Name: 20DE10C3D5_34



Manual Edit Codes

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

Analyst VS Date 12.23.10

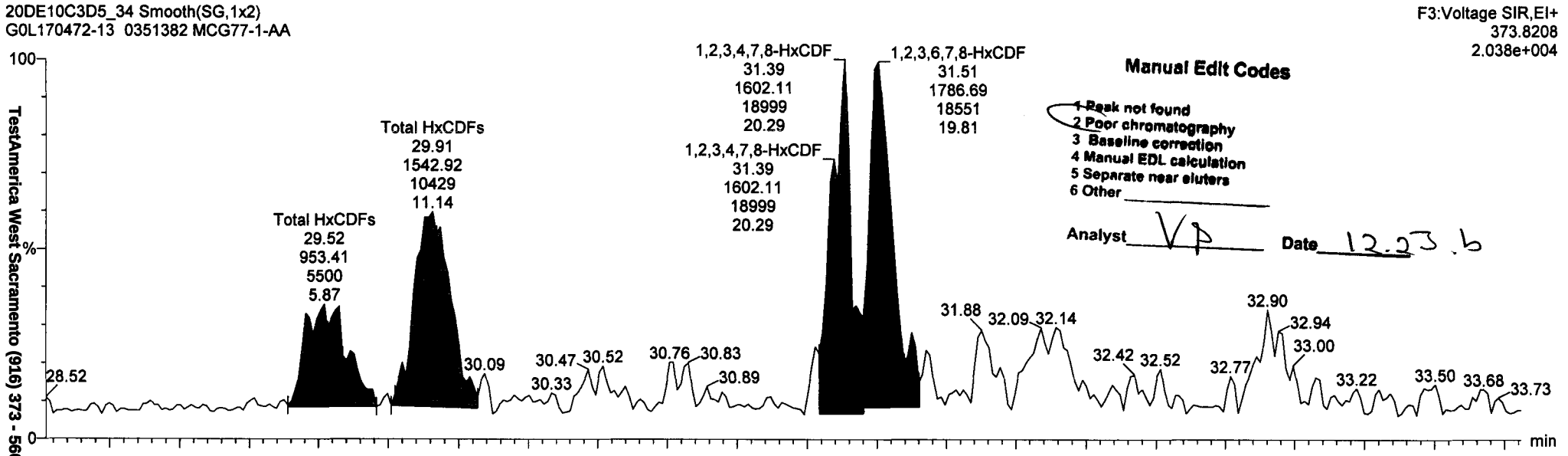


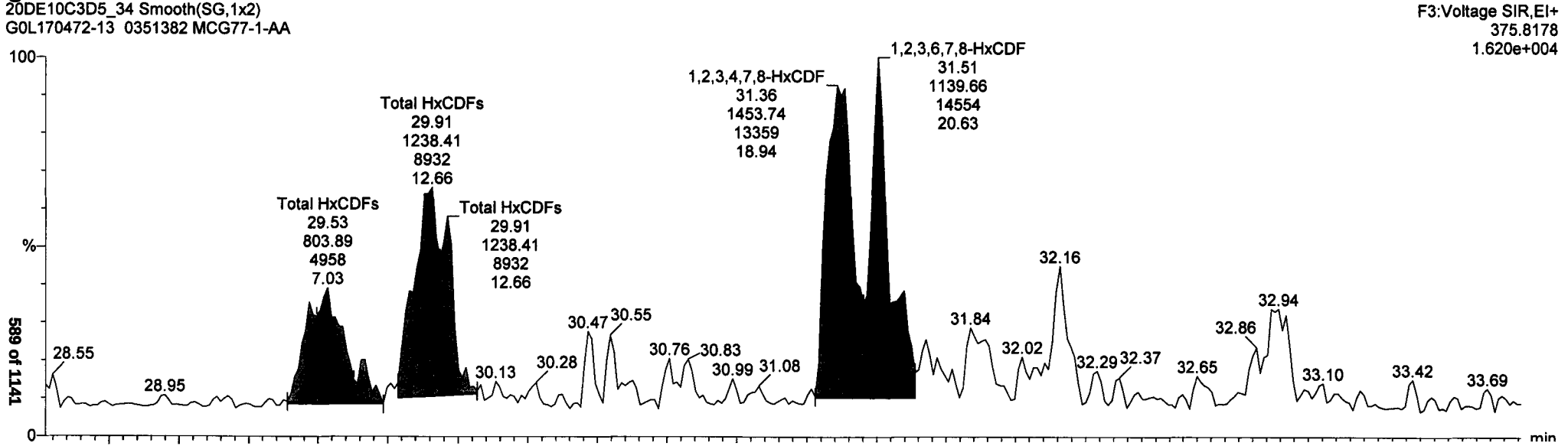
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_34





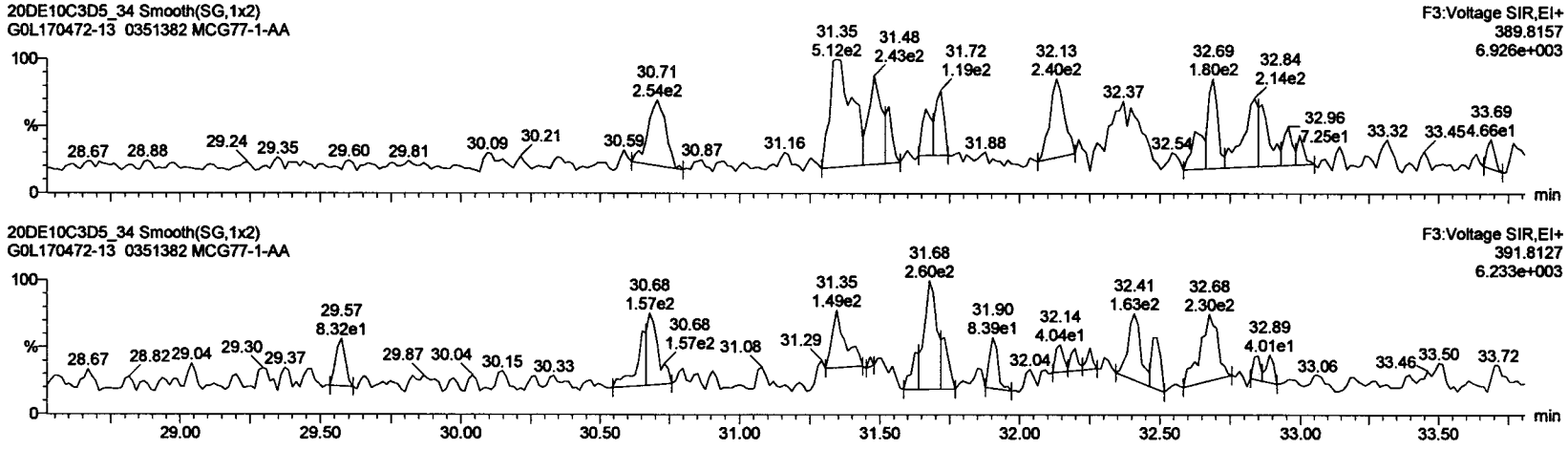
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

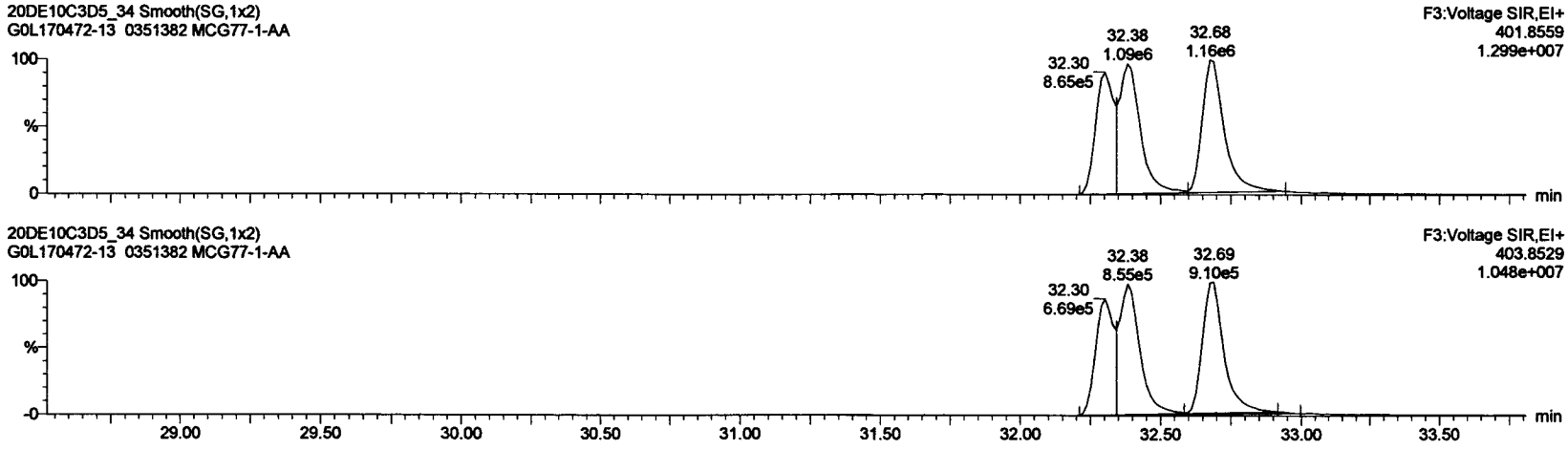
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

HxCDDs



13C-HxCDDs



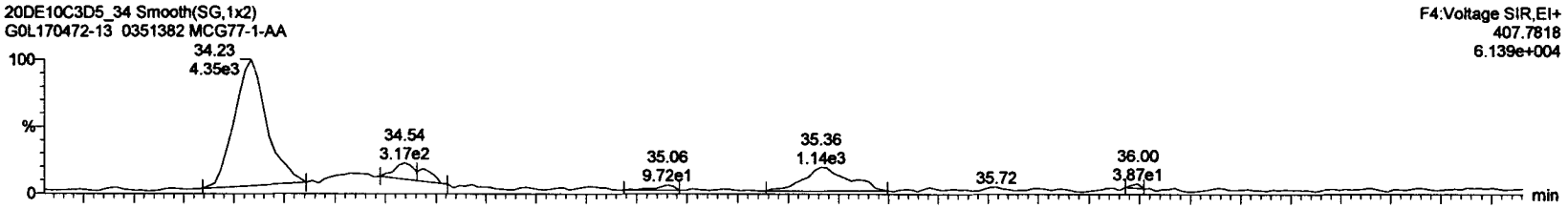
Quantify Sample Report **MassLynx 4.1**

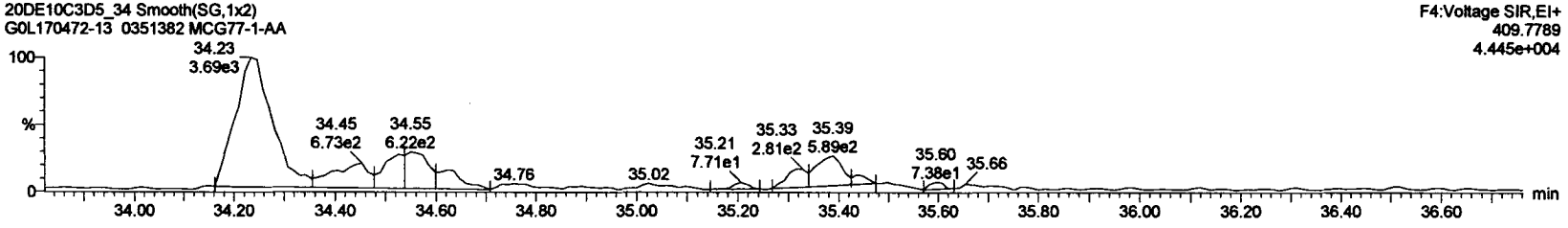
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

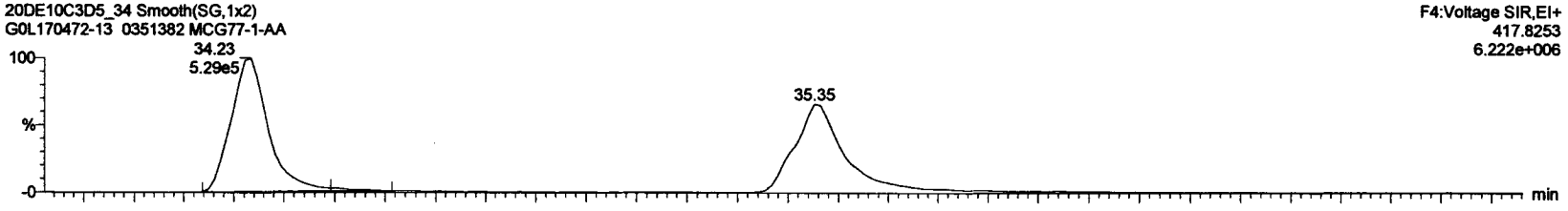
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

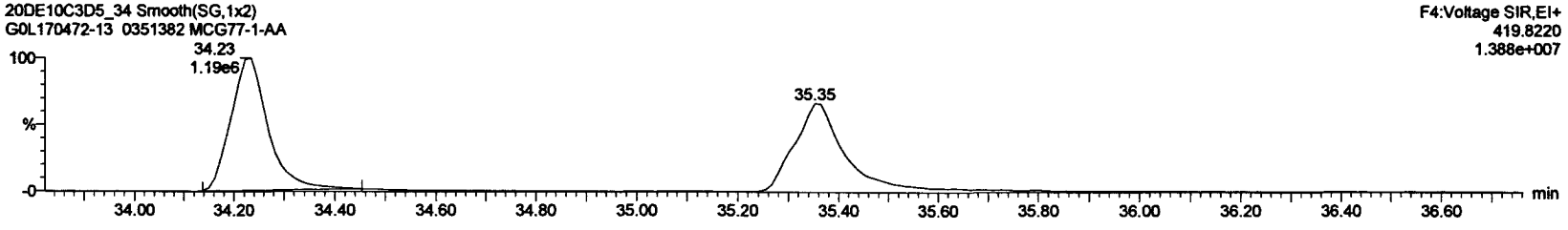
HpCDFs





13C-HpCDFs





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

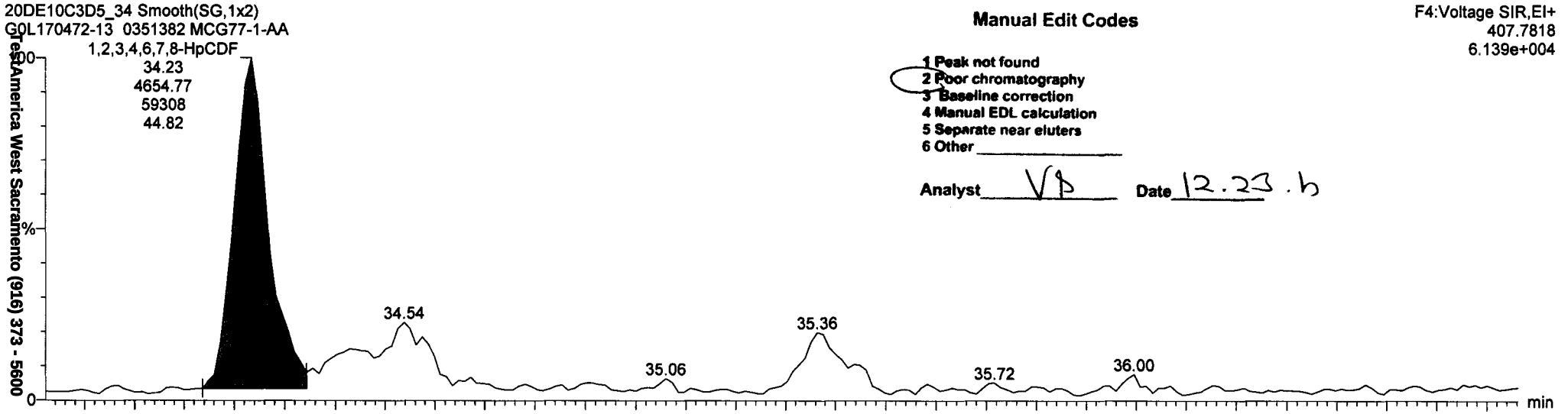
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

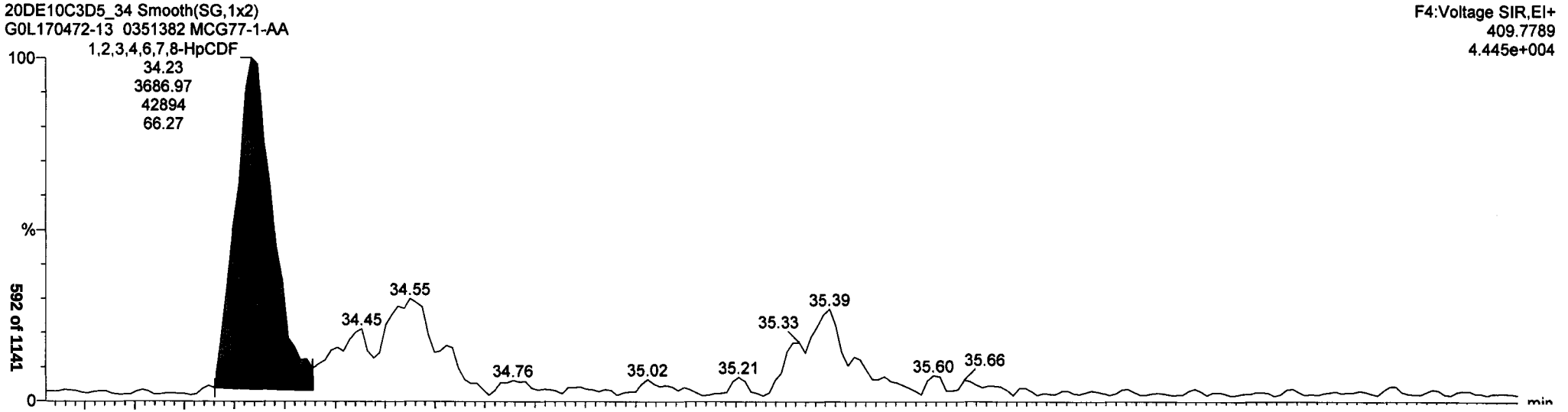
Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:34:10 Pacific Standard Time

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: 1,2,3,4,6,7,8-HpCDF, Chrom. Trace: 407.7818

Sample Name: 20DE10C3D5_34



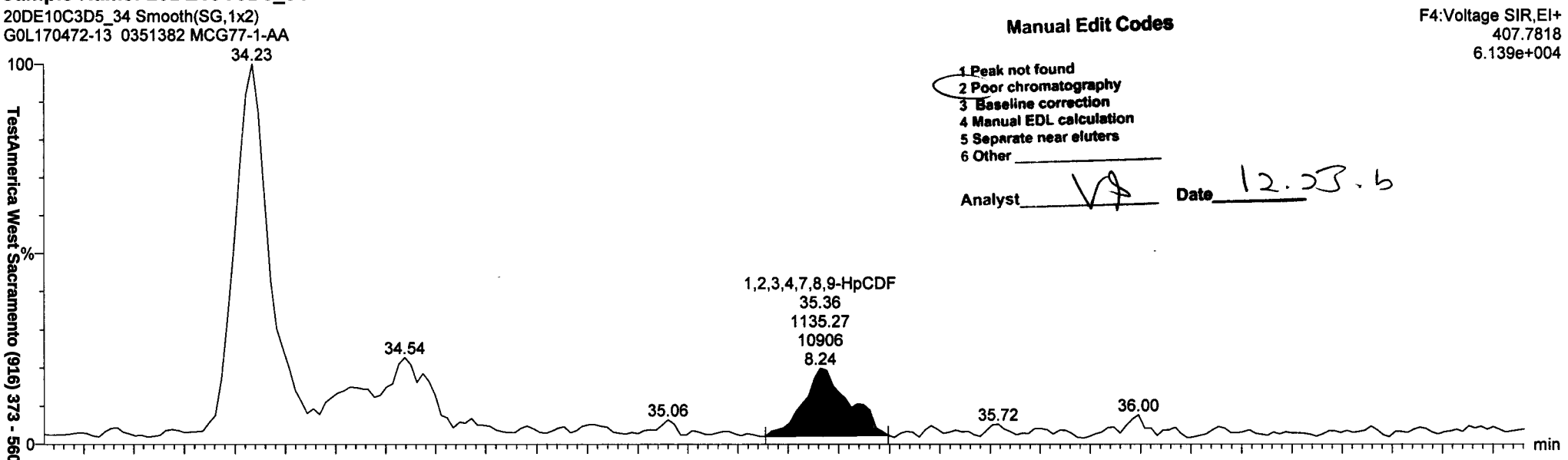


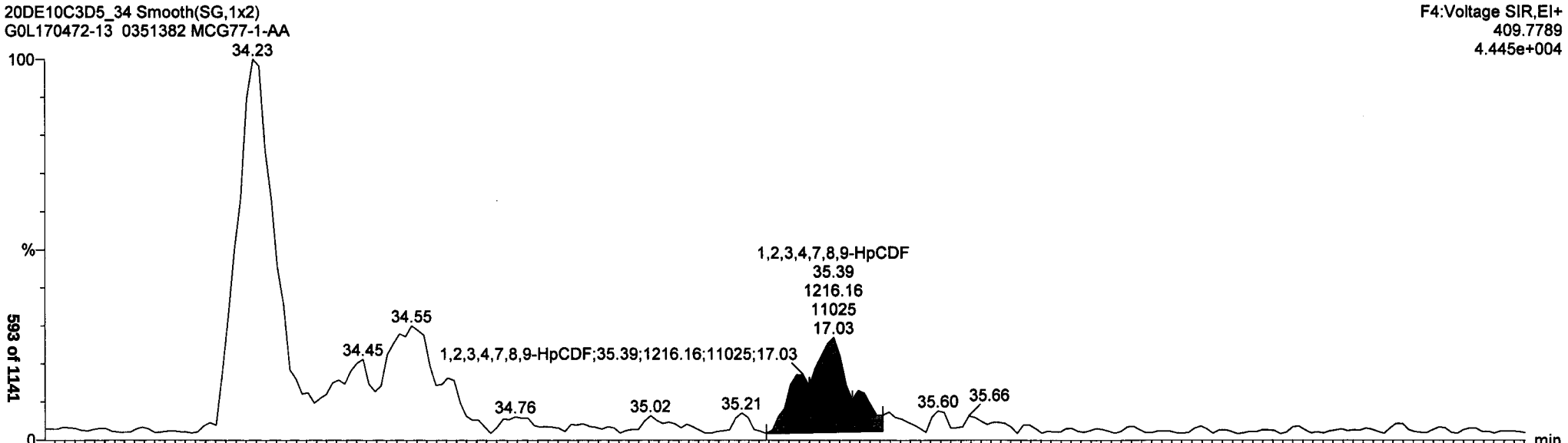
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: 1,2,3,4,7,8,9-HpCDF, Chrom. Trace: 407.7818

Sample Name: 20DE10C3D5_34





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

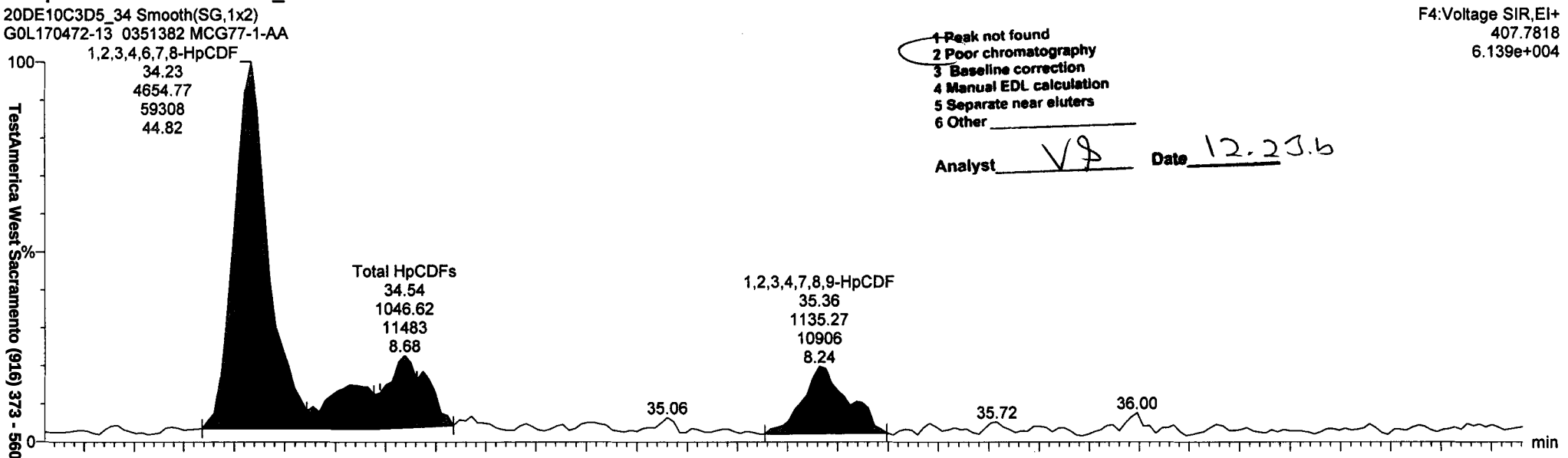
Compound Name: Total HpCDFs, Chrom. Trace: 407.7818

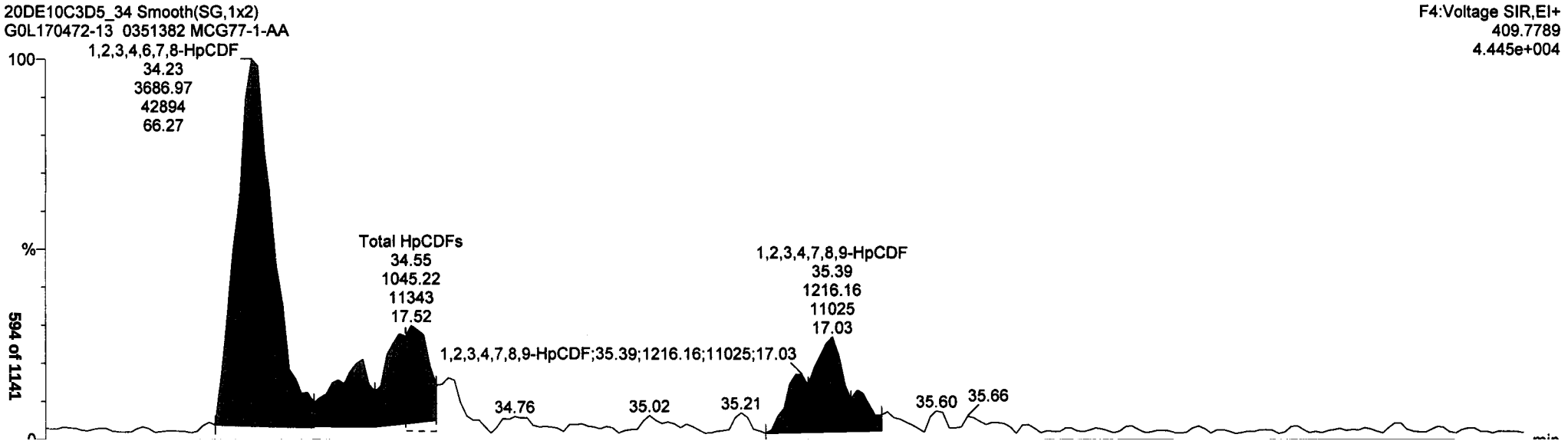
Sample Name: 20DE10C3D5_34

Manual Edit Codes

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

Analyst VB Date 12.23.10





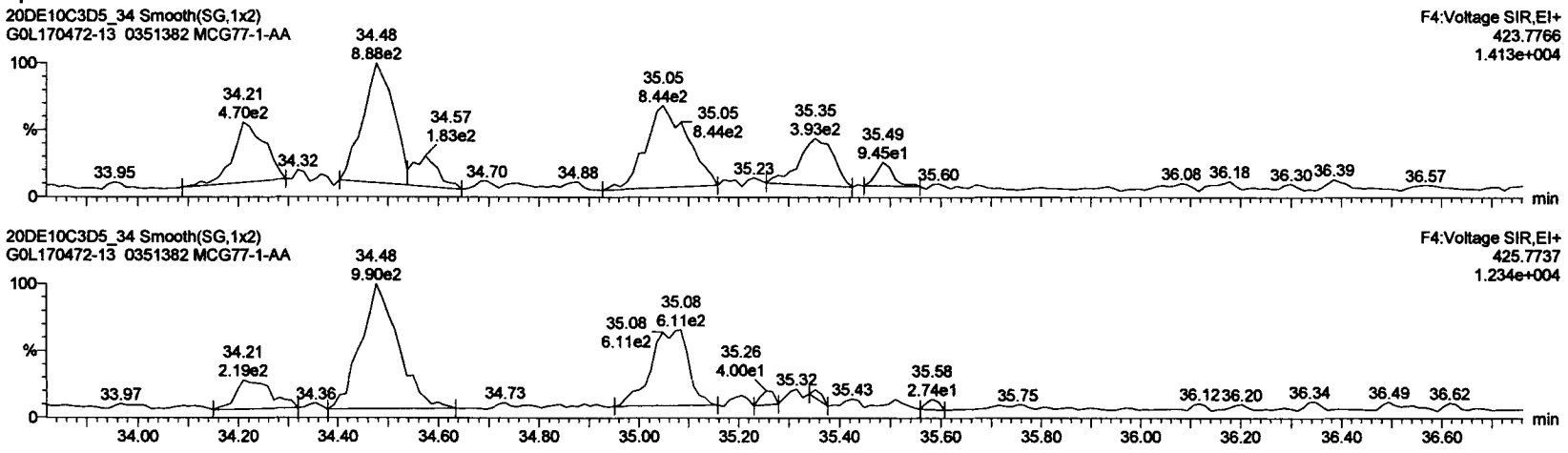
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

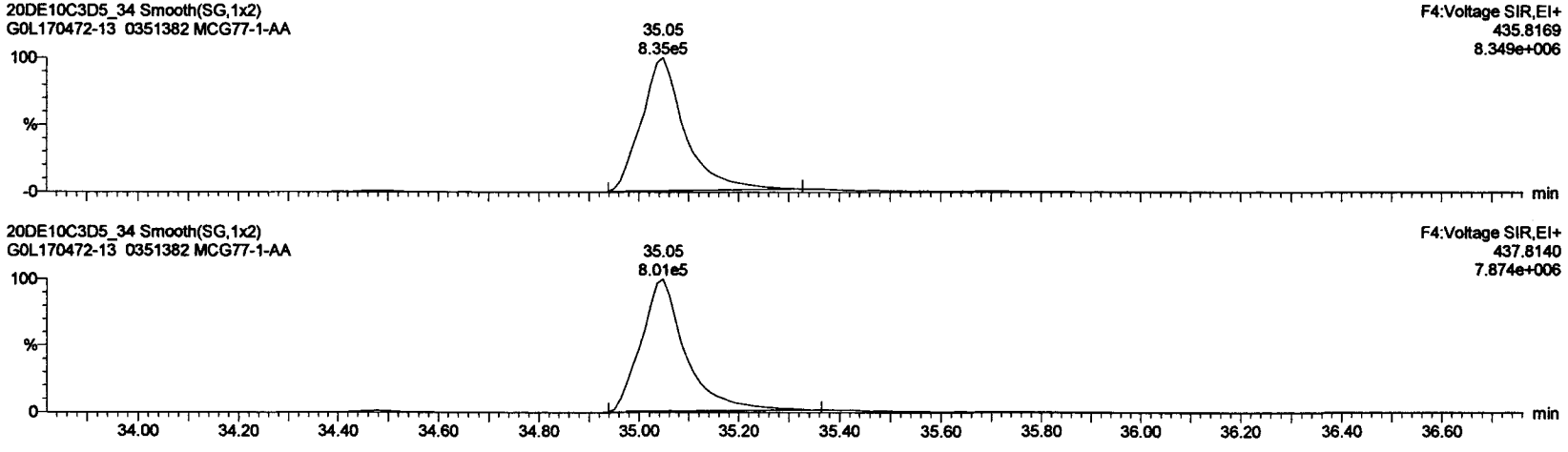
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

HpCDDs



13C-HpCDD



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:19 Pacific Standard Time

Compound Name: 1,2,3,4,6,7,8-HpCDD, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_34

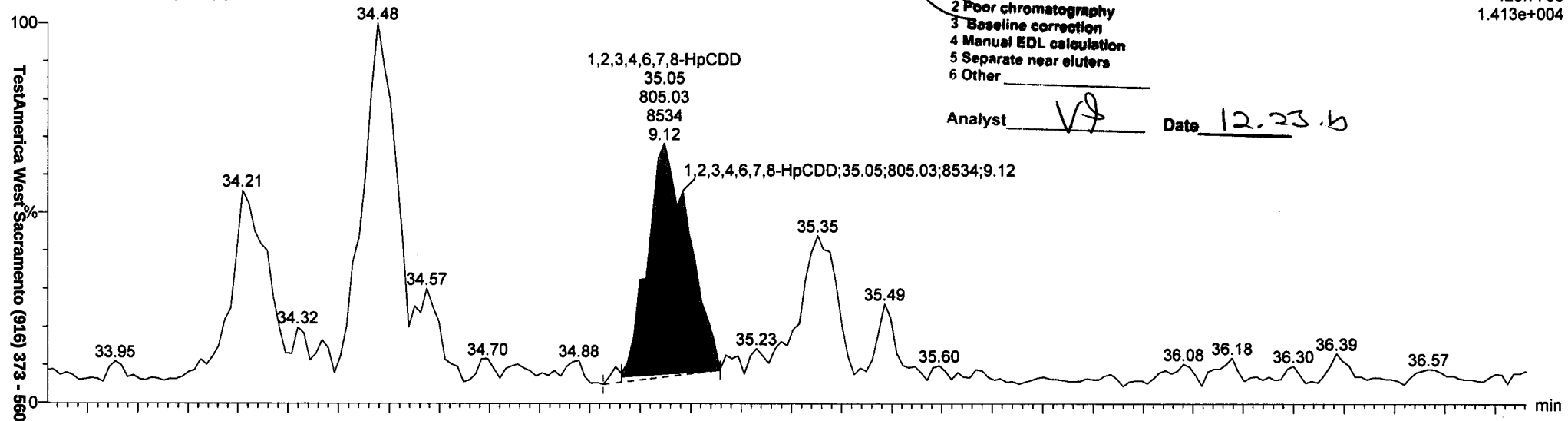
Manual Edit Codes

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

Analyst VP Date 12.23.10

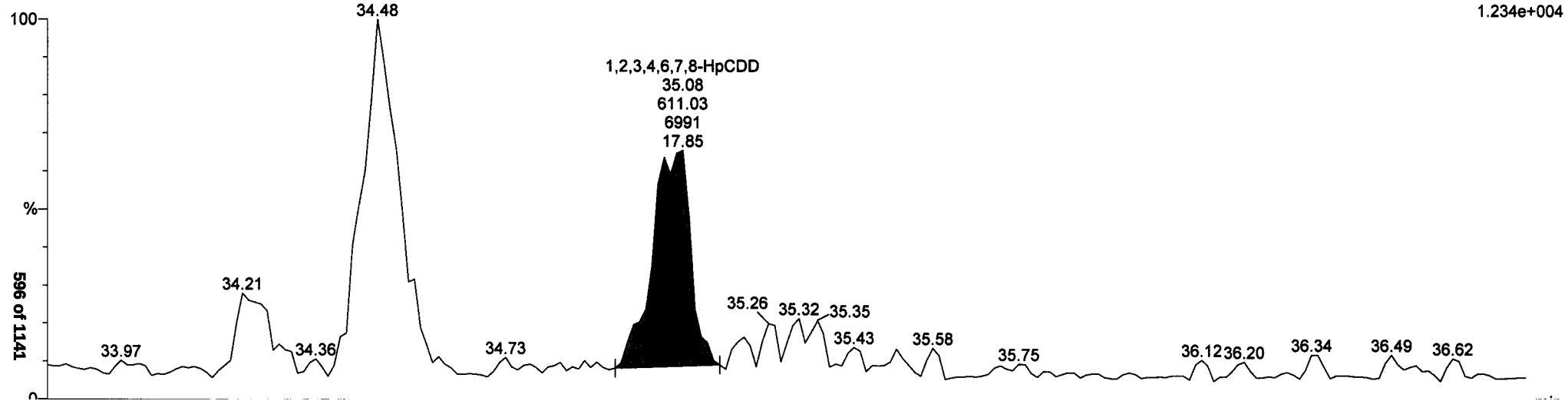
20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F4:Voltage SIR,EI+
423.7766
1.413e+004



20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F4:Voltage SIR,EI+
425.7737
1.234e+004



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:49 Pacific Standard Time

Compound Name: Total HpCDDs, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_34

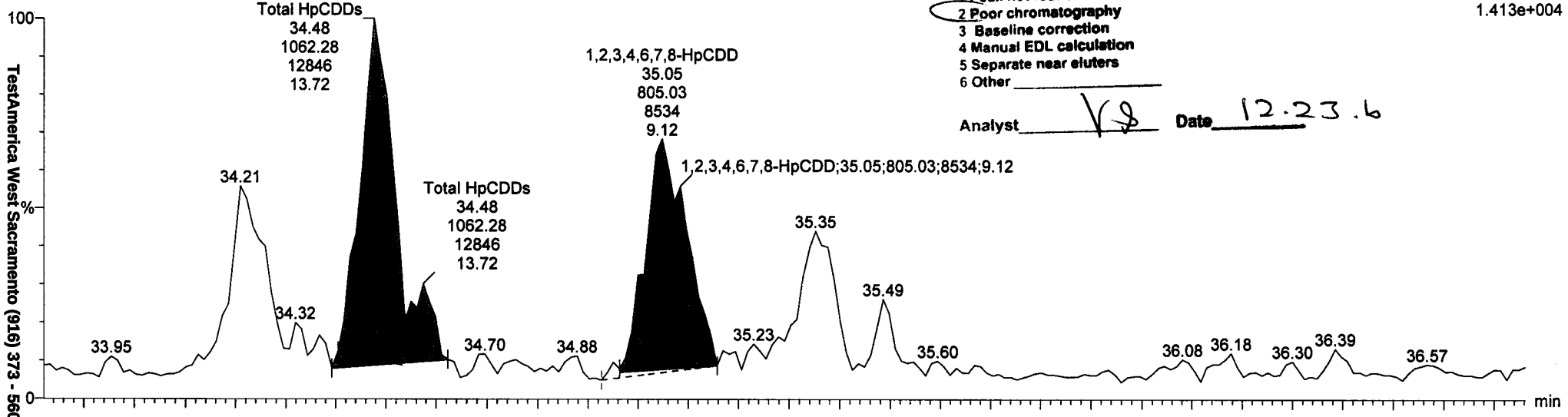
Manual Edit Codes

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

Analyst VB Date 12.23.6

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

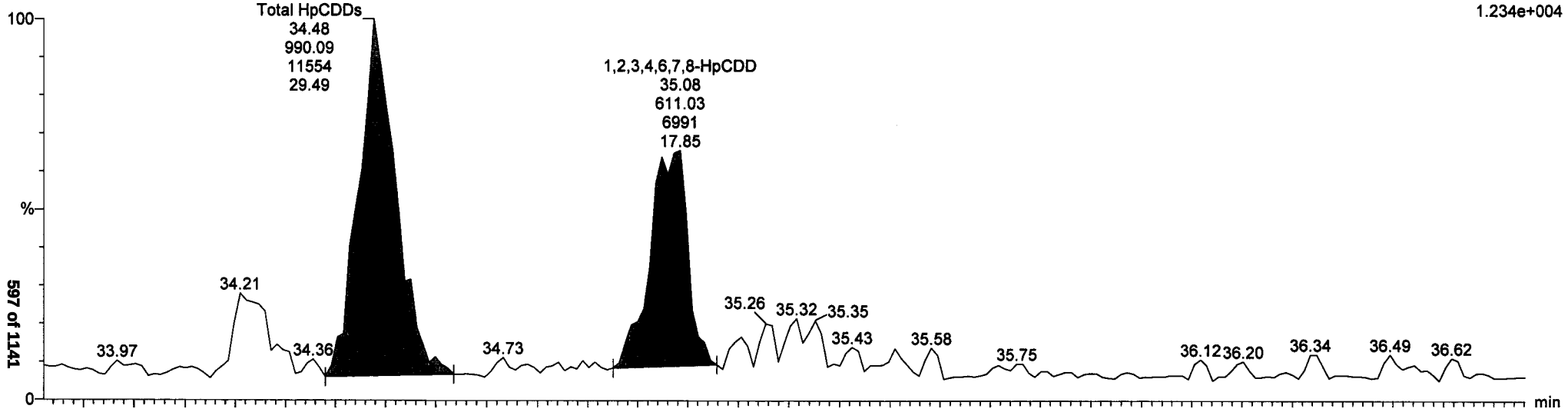
F4:Voltage SIR,EI+
423.7766
1.413e+004



TestAmerica West Sacramento (916) 373 - 5600

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F4:Voltage SIR,EI+
425.7737
1.234e+004



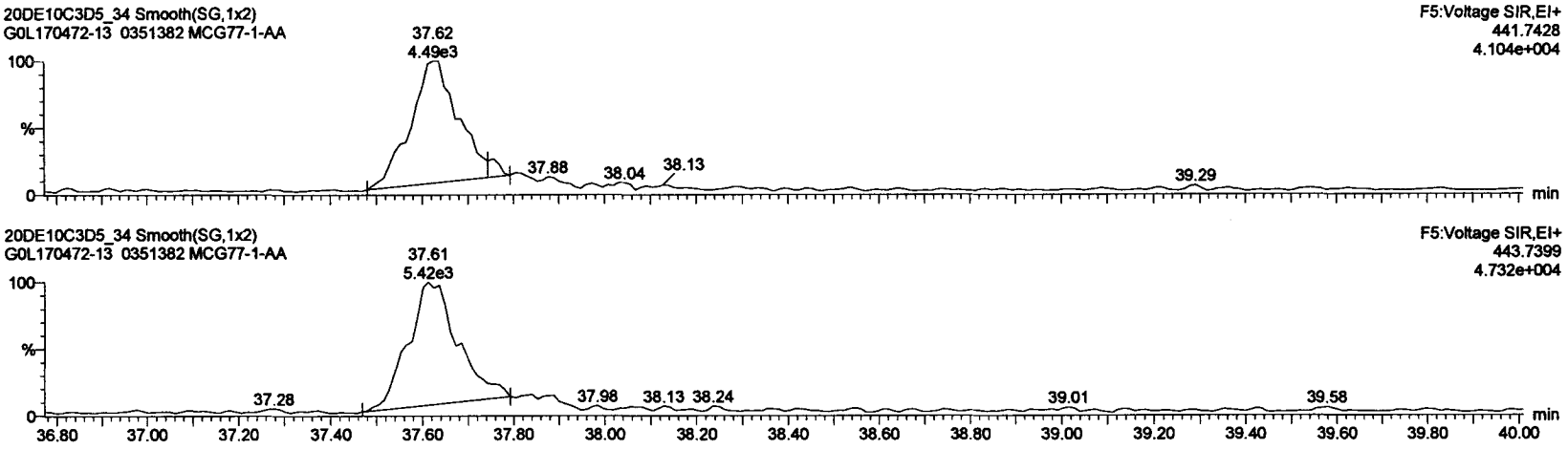
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

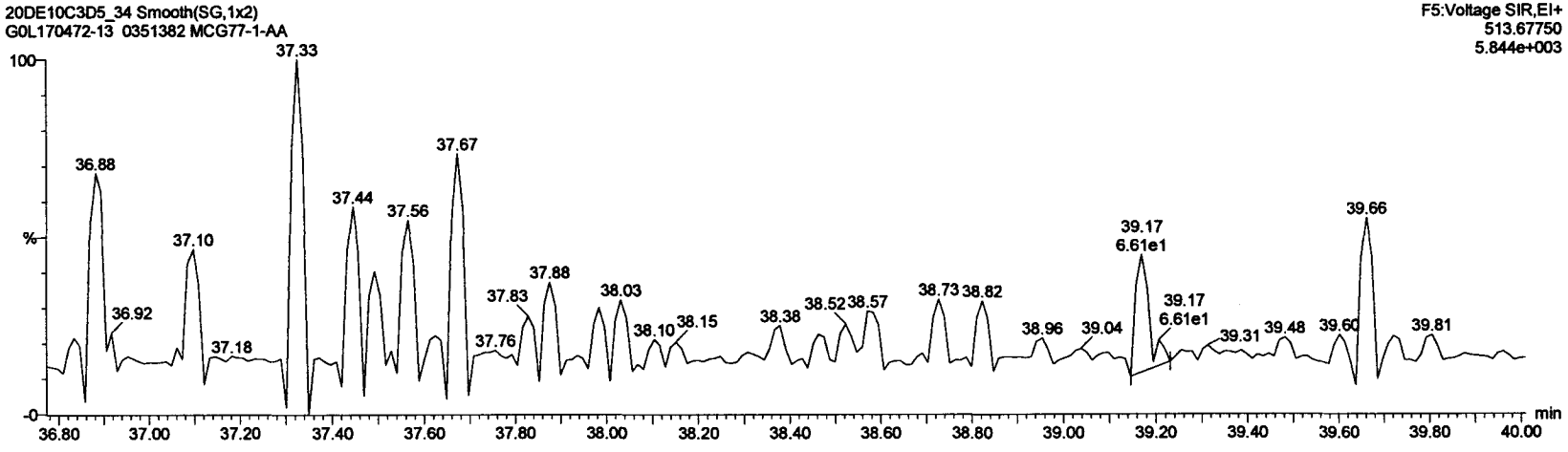
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

OCDFs



OCDF PCDPE



Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

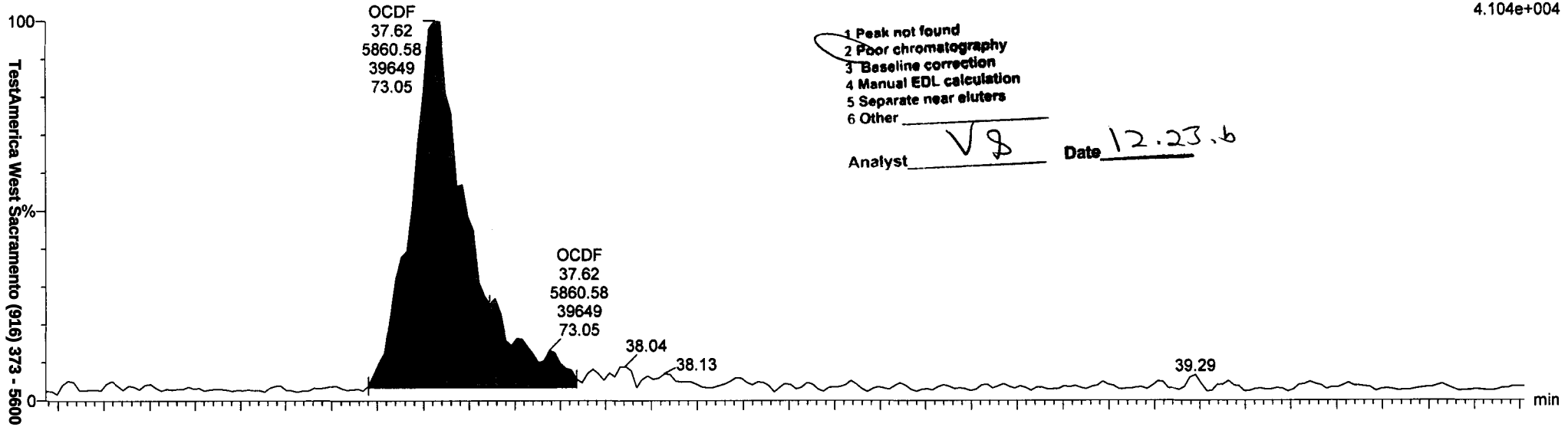
Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:49 Pacific Standard Time

Compound Name: OCDF, Chrom. Trace: 441.7428

Sample Name: 20DE10C3D5_34

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F5:Voltage SIR,EI+
441.7428
4.104e+004



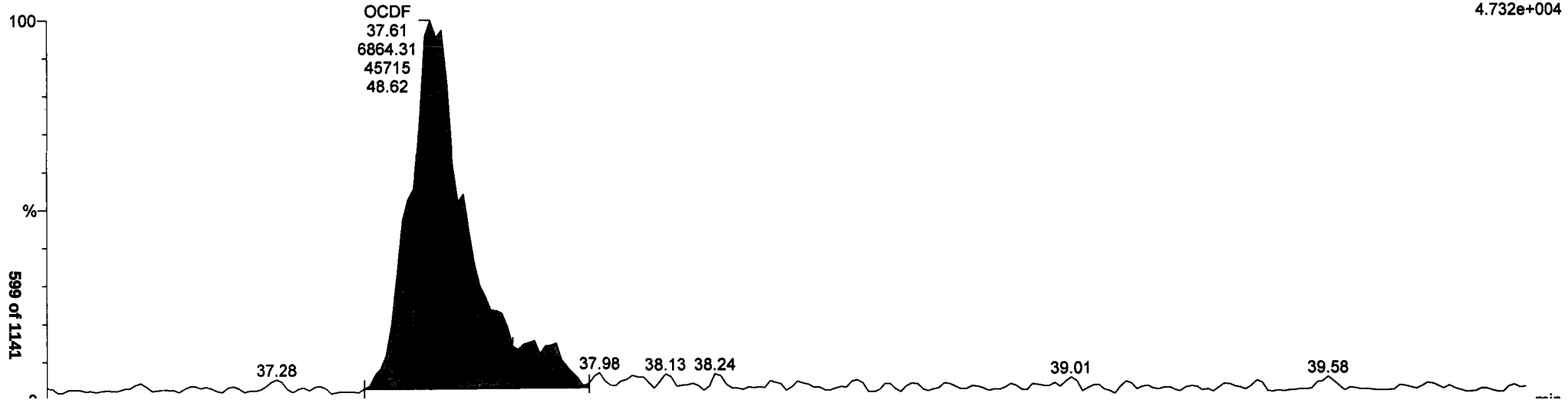
Manual Edit Codes

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

Analyst VS Date 12.23.10

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F5:Voltage SIR,EI+
443.7399
4.732e+004



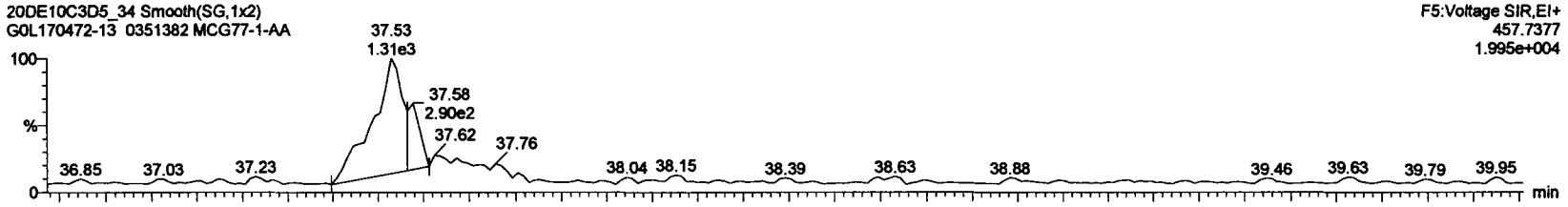
Quantify Sample Report **MassLynx 4.1**

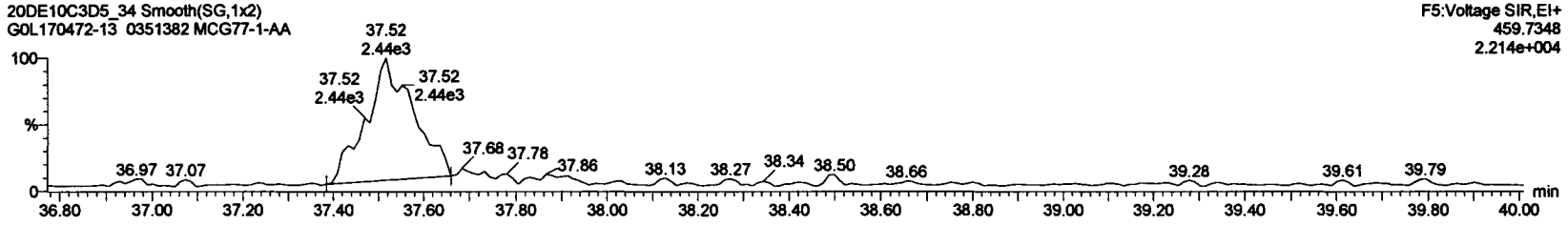
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

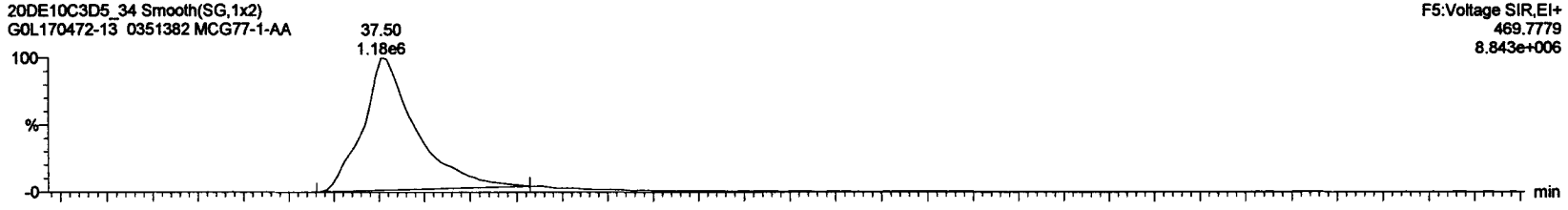
Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

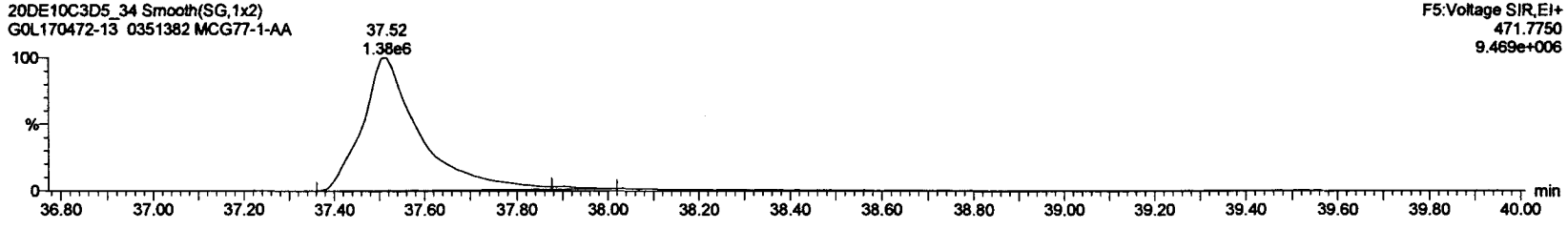
OCDD





13C-OCDD





Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

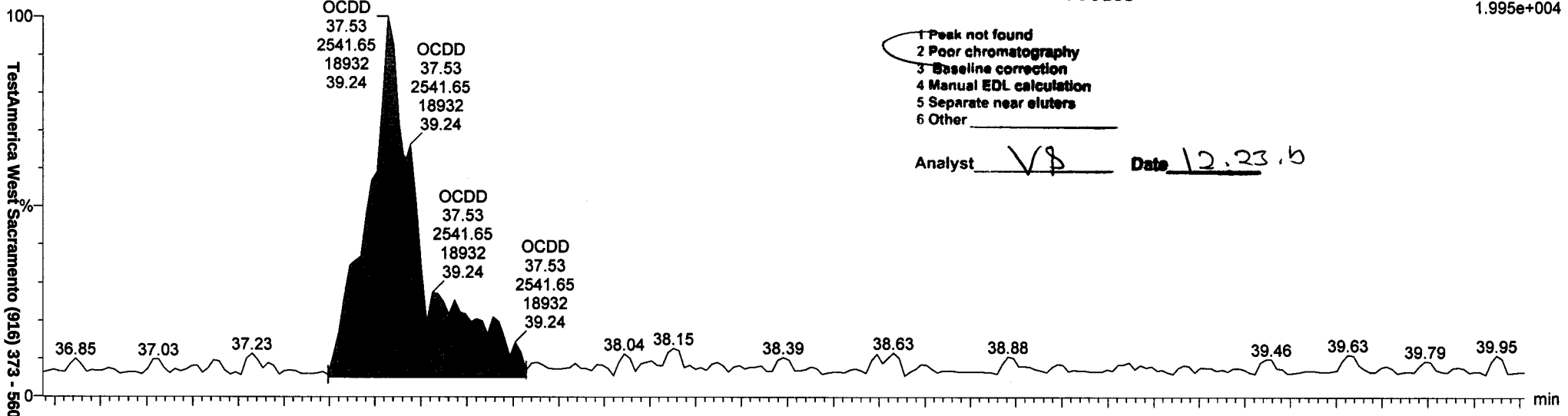
Last Altered: Thursday, December 23, 2010 07:25:10 Pacific Standard Time
Printed: Thursday, December 23, 2010 07:26:49 Pacific Standard Time

Compound Name: OCDD, Chrom. Trace: 457.7377

Sample Name: 20DE10C3D5_34

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F5:Voltage SIR,EI+
457.7377
1.995e+004



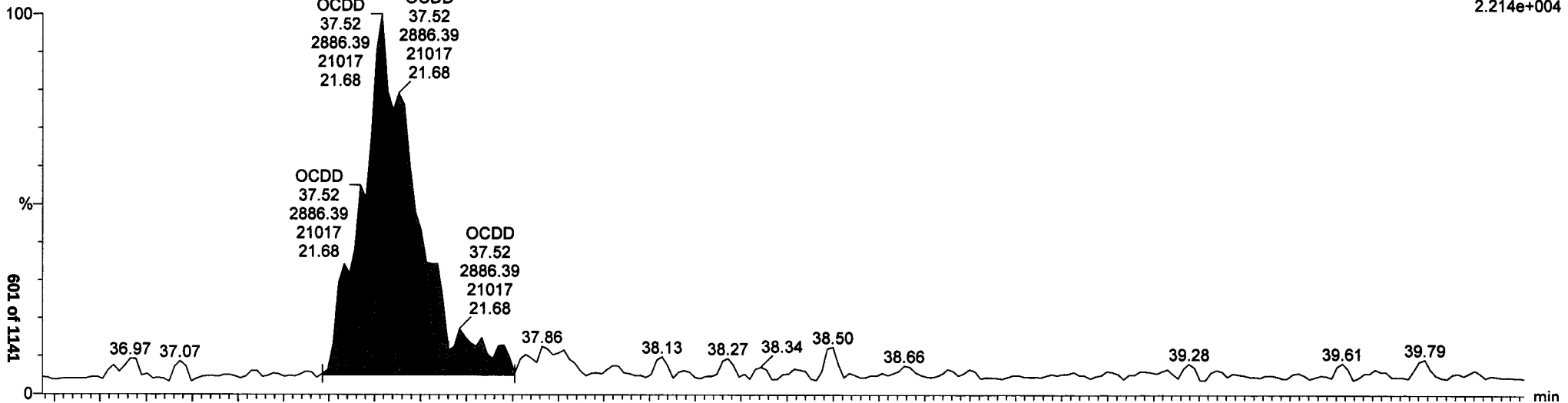
Manual Edit Codes

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

Analyst VS Date 12.23.10

20DE10C3D5_34 Smooth(SG,1x2)
G0L170472-13 0351382 MCG77-1-AA

F5:Voltage SIR,EI+
459.7348
2.214e+004



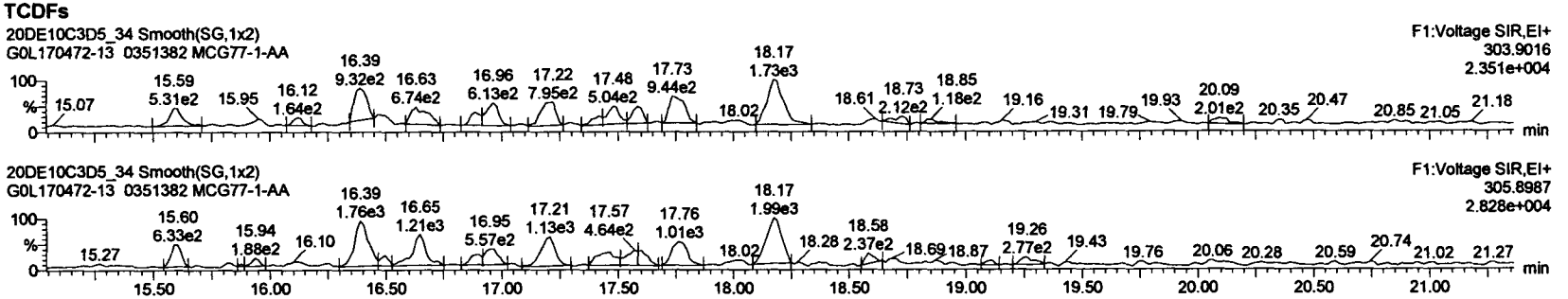
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

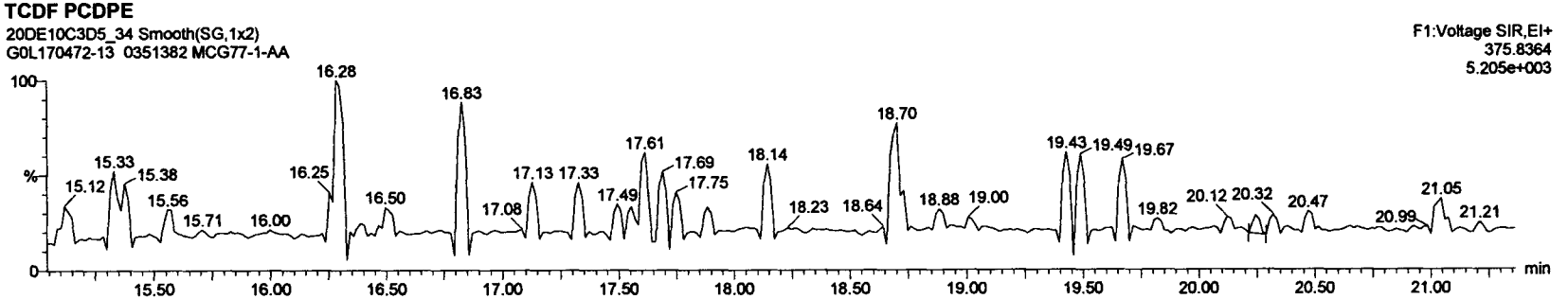
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

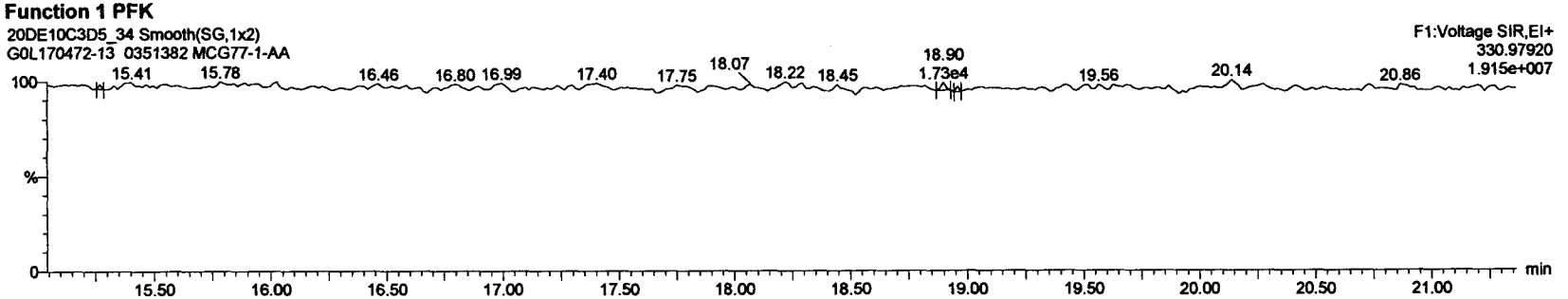
TCDFs



TCDF PCDPE



Function 1 PFK



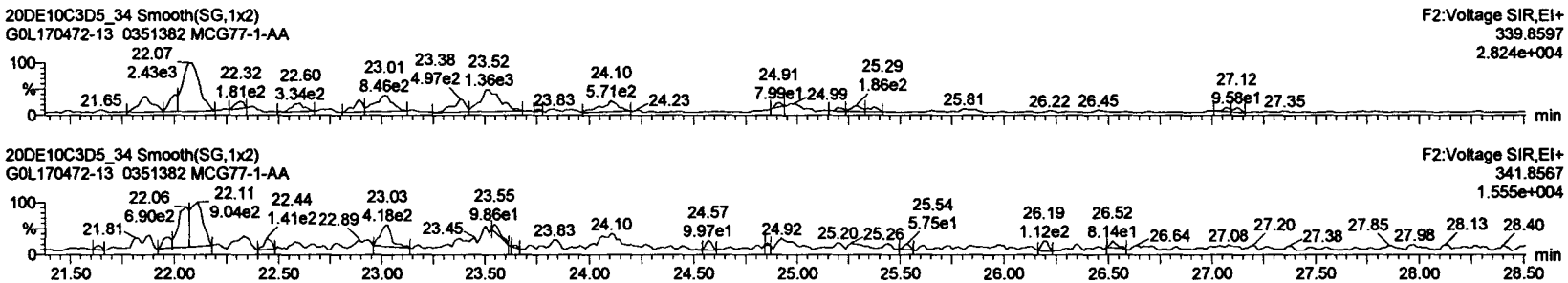
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

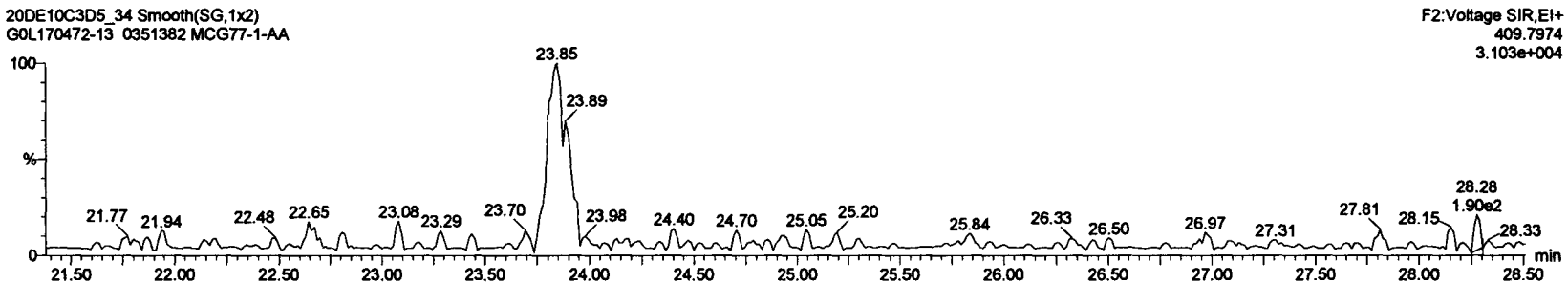
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

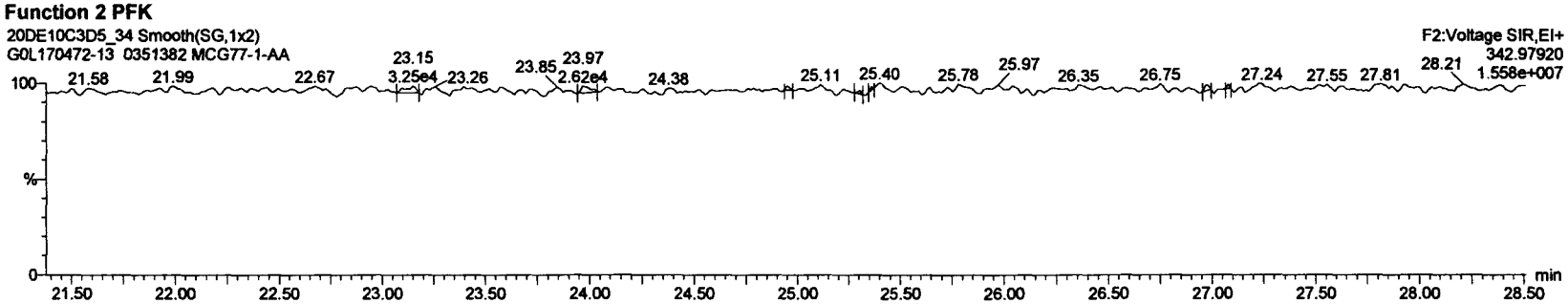
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



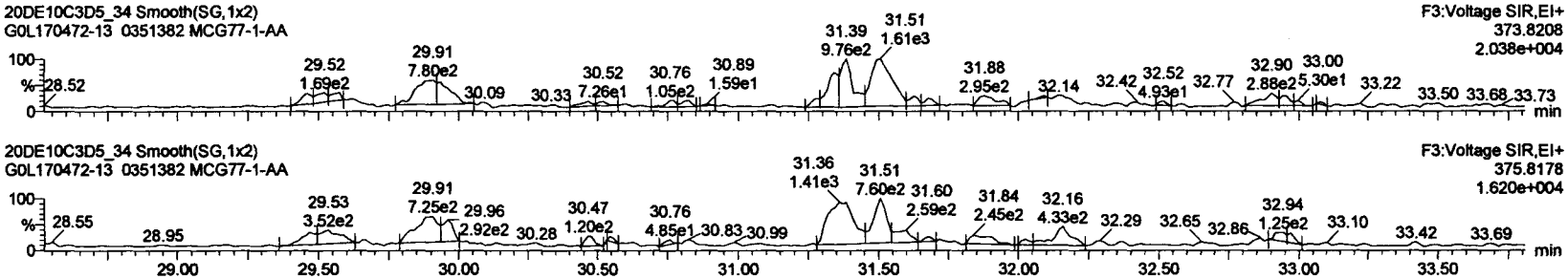
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

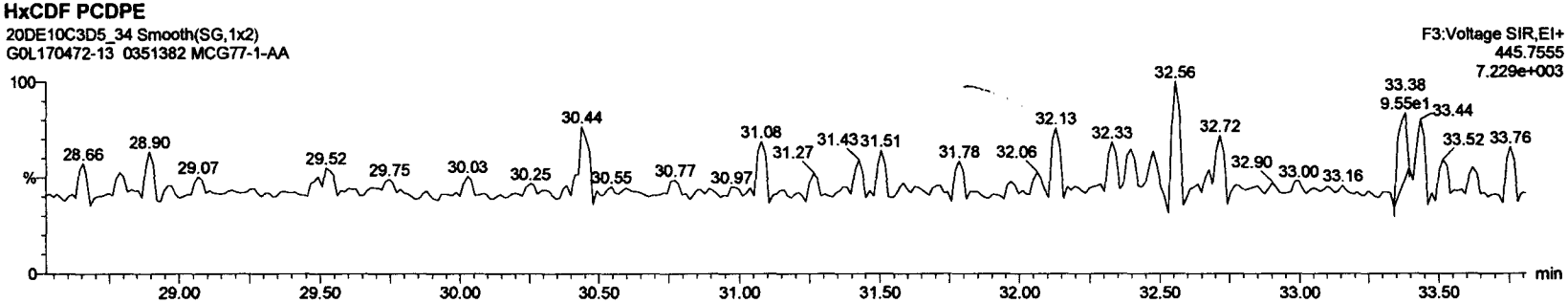
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

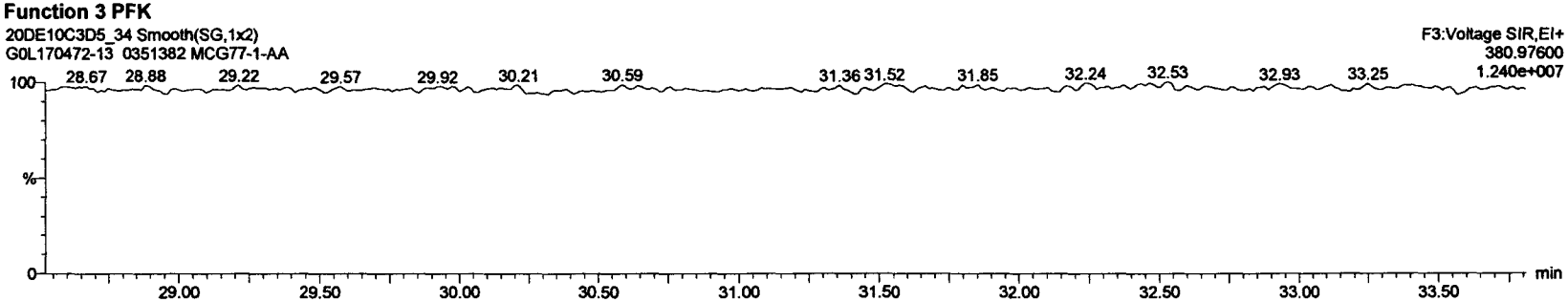
HxCDFs



HxCDF PCDPE



Function 3 PFK



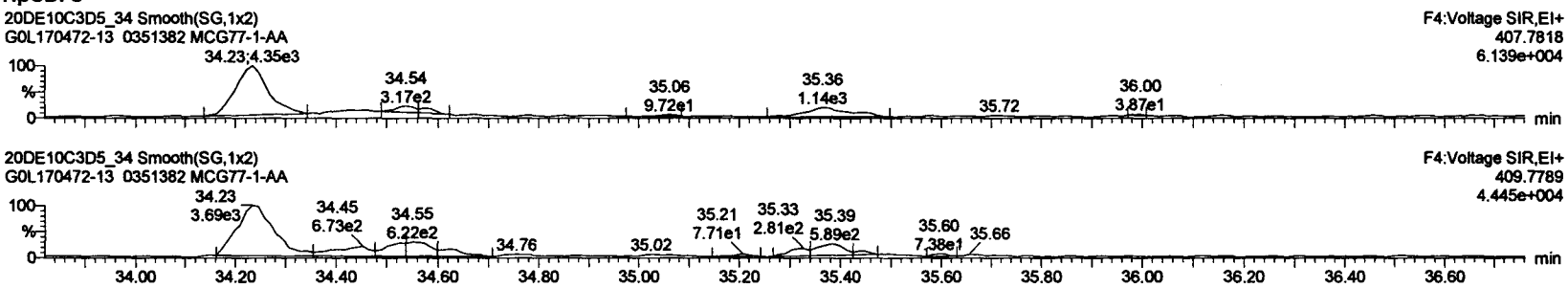
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

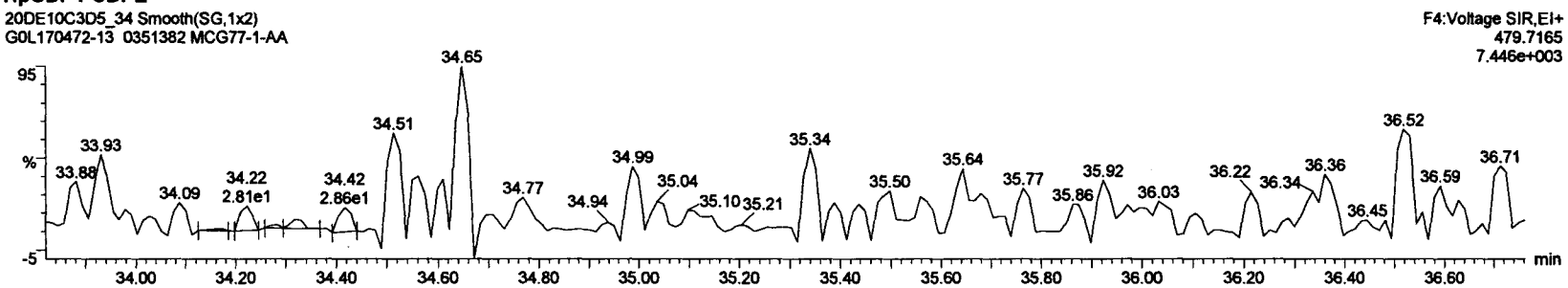
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

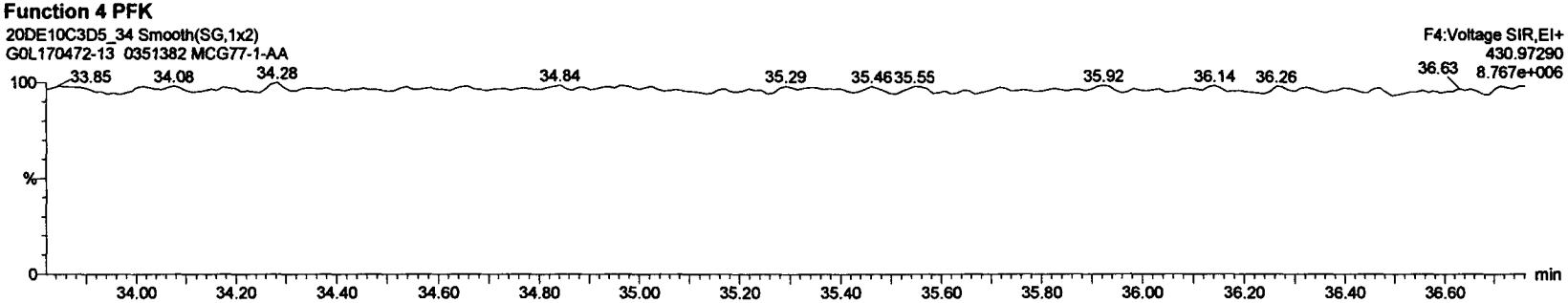
HpCDFs



HpCDF PCDPE



Function 4 PFK



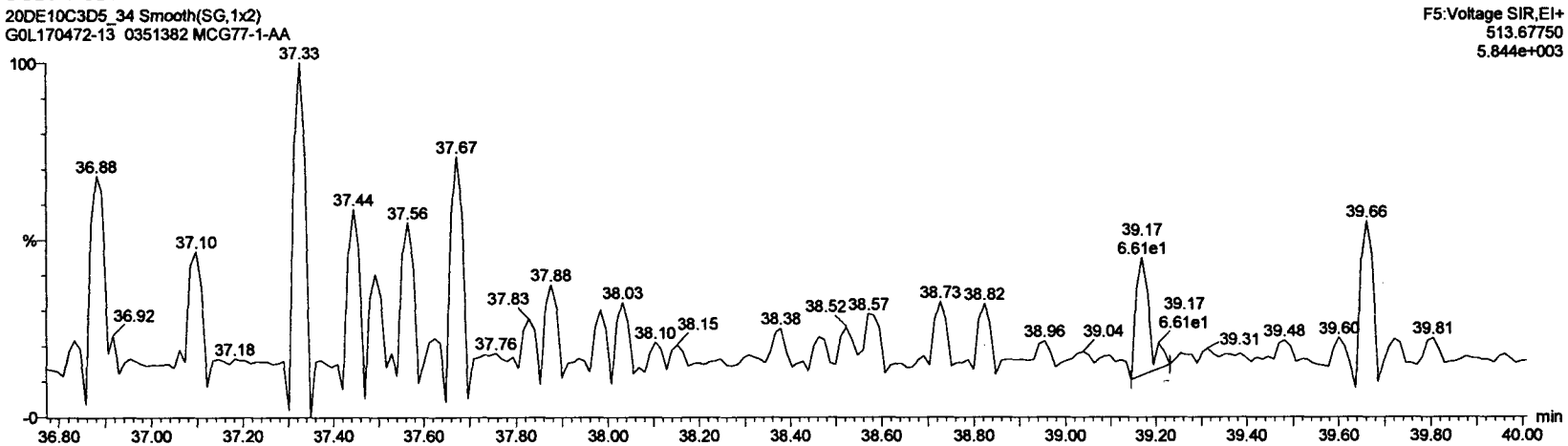
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

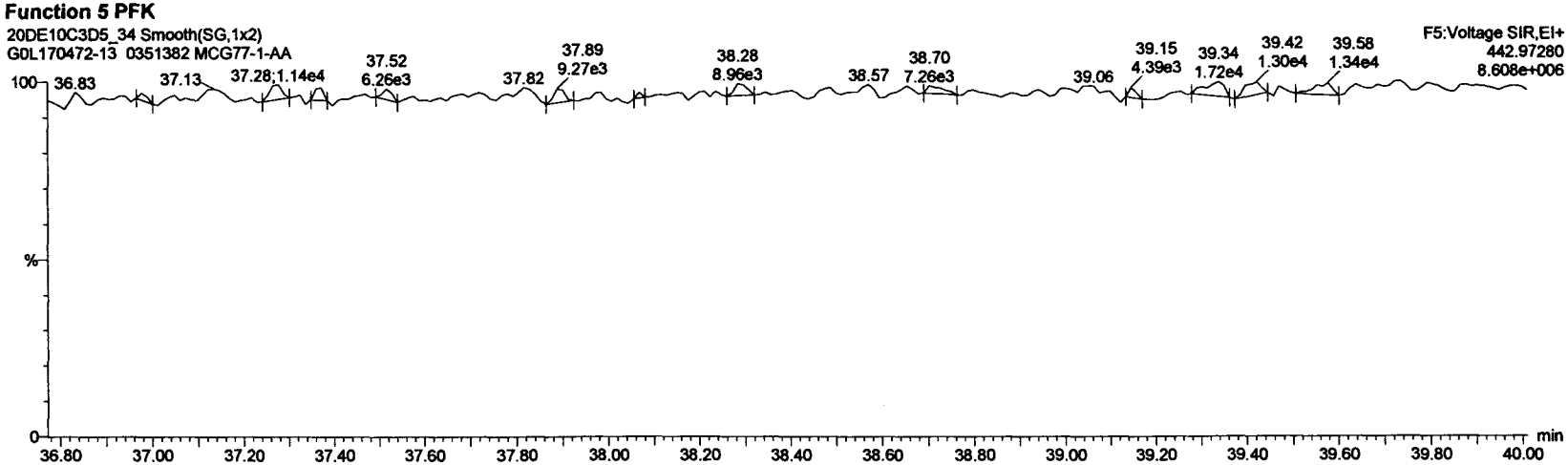
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_34, Date: 21-Dec-2010, Time: 17:28:57, ID: MCG77-1-AA, Description: G0L170472-13 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Summary Report **MassLynx 4.1 SCN 714 Desktop**

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:49:44 Pacific Standard Time

V8 12.24.10

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_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

1	13C-1,2,3,4-TCDD	331.9368	0.50000	18.70	18.70	1.000	3196819.25	4000.0000	4000.0000	100.0	2.6767	0.765	0.770	NO	
2															
3	13C-2,3,7,8-TCDF	315.9419	0.50000	18.14	18.17	1.330	2957921.00	2782.9036	2782.9036	69.6	1.9657	0.792	0.770	NO	
4	2,3,7,8-TCDF	303.9016	0.50000	18.19	18.16	0.972	6096.83	8.4865	8.4865 J		0.7781	0.822	0.770	NO	
5	Total TCDFs	303.9016	0.50000		21.44	0.972		54.4498	53.1389 ✓		0.7781				
6															
7	13C-2,3,7,8-TCDD	331.9368	0.50000	18.90	18.91	0.890	2072456.25	2913.8933	2913.8933	72.8	3.0078	0.762	0.770	NO	
8	2,3,7,8-TCDD	319.8965	0.50000		18.93	1.009			ND ✓		0.6659		0.770		
9	Total TCDDs	319.8965	0.50000		19.55	1.009		3.4616	3.3055 ✓		0.6659				
10															
11	37CL-2,3,7,8-TCDD	327.8847	0.50000	18.91	18.90	0.649	538738.63	1601.1696	0.0000	100.1	1.7723				
12															
13	13C-1,2,3,7,8-PeCDF	351.9000	0.50000	23.50	23.54	0.971	2273869.81	2931.0391	2931.0391	73.3	4.1945	1.594	1.550	NO	
14	1,2,3,7,8-PeCDF	339.8597	0.50000	23.53	23.53	1.069	3702.01	6.0913	6.0913 J		1.3344	1.623	1.550	NO	23-Dec-10
15	2,3,4,7,8-PeCDF	339.8597	0.50000	24.96	24.95	1.028	2374.57	4.0617	4.0617 J		1.3872	1.395	1.550	NO	23-Dec-10
16	Total F2 PeCDFs	339.8597	0.50000		34.47	1.049		42.8999	41.6806		~~1.3693~~				
17	Total F1 PeCDFs	339.8597	0.50000		36.56	1.049		6.0758	+ 6.0758		~~0.8682~~				
18									= 47.75 ✓						
19	13C-1,2,3,7,8-PeCDD	367.8949	0.50000	25.70	25.75	0.715	1696843.00	2968.5204	2968.5204	74.2	3.0394	1.545	1.550	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.50000	26.20	25.73	0.884	168.47	0.4492	~~0.3825~~		1.9578	1.073	1.550	YES	
21	Total PeCDDs	355.8546	0.50000		31.10	0.884		4.2735	~~3.4635~~		1.9578				
22															
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.50000	32.69	32.74	1.000	2127410.63	4000.0000	4000.0000	100.0	3.9015	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	1593981.81	2763.7915	2763.7915	69.1	6.9936	0.515	0.510	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.50000	31.39	31.38	1.219	5715.37	11.7704	11.7704 J		1.1630	1.269	1.240	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.50000	31.51	31.51	1.396	4487.19	8.0646	7.3761 JQ		1.0149	1.449	1.240	YES	23-Dec-10
28	2,3,4,6,7,8-HxCDF	373.8208	0.50000	32.16	32.15	1.237	1347.29	2.7321	2.3438 JQ		1.1451	1.611	1.240	YES	23-Dec-10
29	1,2,3,7,8,9-HxCDF	373.8208	0.50000	32.89	32.86	1.078	667.86	1.5544	1.5544 J		1.3143	1.112	1.240	NO	23-Dec-10
30	Total HxCDFs	373.8208	0.50000		0.00	1.233		52.2814	51.2047 ✓		1.1496				
31															

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:49:44 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.50000	32.40	32.40	0.894	1627301.94	3420.6170	3420.6170	85.5	4.3617	1.276	1.240	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.50000	32.42	32.33	1.028	385.82	0.9228	~~0.6852~~		0.9730	2.017	1.240	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.50000		32.41	1.111			MD		0.9004		1.240		
35	1,2,3,7,8,9-HxCDD	389.8157	0.50000		32.70	1.113			MD		0.8986		1.240		
36	Total HxCDDs	389.8157	0.50000		0.00	1.084		4.2272	~~3.2587~~		0.~~9227~~				
37									1.3202						
38	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.50000	34.23	34.22	0.881	1346133.84	2873.5247	2873.5247	71.8	9.2620	0.461	0.440	NO	
39	1,2,3,4,6,7,8-HpCDF	407.7818	0.50000	34.25	34.25	1.402	13834.93	29.3294	26.4133	JQB	1.0721	1.265	1.040	YES	
40	1,2,3,4,7,8,9-HpCDF	407.7818	0.50000	35.36	35.35	1.199	4033.55	9.9953	9.9953	J	1.2532	1.009	1.040	NO	23-Dec-10
41	Total HpCDFs	407.7818	0.50000		0.00	1.300		54.9645	52.0484	✓	1.1556				
42															
43	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.50000	35.05	35.02	0.857	1260393.63	2763.9473	2763.9473	69.1	6.9362	1.049	1.040	NO	
44	1,2,3,4,6,7,8-HpCDD	423.7766	0.50000	35.06	35.06	0.981	1420.61	4.5954	4.5954	JB	1.4428	1.071	1.040	NO	
45	Total HpCDDs	423.7766	0.50000		-0.02	0.981		10.4266	10.4266	✓	1.4428				
46															
47	13C-OCDD	469.7779	0.50000	37.52	37.45	0.643	1943338.63	5681.1199	5681.1199	71.0	14.2125	0.887	0.890	NO	
48	OCDF	441.7428	0.50000	37.65	37.62	1.477	23699.08	66.0503	66.0503	J	1.9437	0.858	0.890	NO	23-Dec-10
49	OCDD	457.7377	0.50000	37.54	37.53	1.196	5686.65	19.5701	19.5701	JB	1.8086	0.987	0.890	NO	23-Dec-10
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 PCDPE	375.8364	1.00000		20.25	17.814					0.0000				
58	F1 PeCDF PCDPE	409.79740	1.00000		19.31	97.109					0.0000				
59	F2 PeCDF PCDPE	409.7974	1.00000	28.25	28.29	51.063	117.73	2.3055		230.6	4.5094				
60	HXCDF PCDPE	445.7555	1.00000		33.24	21.191					0.0000				
61	HPCDF PCDPE	479.7165	1.00000	34.29	34.27	39.173	62.18	1.5872		158.7	2.6930				
62	OCDF PCDPE	513.67750	1.00000	39.15	39.16	27.302	3.69	0.1352		13.5	1.0971				

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 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: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

Total TCDFs

	5 Total TCDFs	303.9016	16.40	7746.370	10.7826	10.7826	0.97151	0.7781	0.804	0.770	NO 32.575
	5 Total TCDFs	303.9016	16.12	832.029	1.1582	1.1582	0.97151	0.7781	0.723	0.770	NO 4.824
	5 Total TCDFs	303.9016	15.97	907.069	1.2626	1.2626	0.97151	0.7781	0.778	0.770	NO 3.934
	5 Total TCDFs	303.9016	15.60	2053.204	2.8580	2.8580	0.97151	0.7781	0.846	0.770	NO 10.570
	4 2,3,7,8-TCDF	303.9016	18.19	6096.826	8.4865	8.4865	0.97151	0.7781	0.822	0.770	NO 21.796
	5 Total TCDFs	303.9016	17.78	3617.895	5.0360	4.4048	0.97151	0.7781	1.024	0.770	YES 17.296
	5 Total TCDFs	303.9016	17.58	3775.030	5.2547	4.5750	0.97151	0.7781	0.610	0.770	YES 17.489
	5 Total TCDFs	303.9016	17.48	2666.419	3.7116	3.7116	0.97151	0.7781	0.777	0.770	NO 10.474
	5 Total TCDFs	303.9016	17.20	3685.903	5.1306	5.1306	0.97151	0.7781	0.742	0.770	NO 16.072
	5 Total TCDFs	303.9016	16.96	1944.013	2.7060	2.7060	0.97151	0.7781	0.732	0.770	NO 9.240
	5 Total TCDFs	303.9016	16.90	1279.969	1.7817	1.7817	0.97151	0.7781	0.817	0.770	NO 7.539
	5 Total TCDFs	303.9016	16.68	4512.605	6.2814	6.2814	0.97151	0.7781	0.712	0.770	NO 15.228

Total TCDDs

	9 Total TCDDs	319.8965	16.87	711.083	1.3605	1.2045	1.00877	0.6659	0.999	0.770	YES 8.349
	9 Total TCDDs	319.8965	16.56	1098.124	2.1010	2.1010	1.00877	0.6659	0.804	0.770	NO 11.027

Total F2 PeCDFs

	1. Total F2 PeCD...	339.8597	21.87	2266.907	3.8023	3.3073	1.04877	1.3603	1.122	1.550	YES 7.698
	1. 2,3,4,7,8-PeCDF	339.8597	24.96	2374.567	4.0617	4.0617	1.02843	1.3872	1.395	1.550	NO 6.985
	1. Total F2 PeCD...	339.8597	24.10	2226.294	3.7342	3.7342	1.04877	1.3603	1.587	1.550	NO 4.630
	1. 1,2,3,7,8-PeCDF	339.8597	23.53	3702.012	6.0913	6.0913	1.06912	1.3344	1.623	1.550	NO 10.209
	1. Total F2 PeCD...	339.8597	23.40	1478.686	2.4802	2.1430	1.04877	1.3603	1.951	1.550	YES 4.563
	1. Total F2 PeCD...	339.8597	22.99	3372.677	5.6570	5.6570	1.04877	1.3603	1.725	1.550	NO 7.437
	1. Total F2 PeCD...	339.8597	22.33	1402.057	2.3517	1.9646	1.04877	1.3603	1.032	1.550	YES 5.050
	1. Total F2 PeCD...	339.8597	22.09	8776.876	14.7216	14.7216	1.04877	1.3603	1.406	1.550	NO 22.622

Total F1 PeCDFs

	1. Total F1 PeCD...	339.8597	20.43	3622.343	6.0758	6.0758	1.04877	0.8682	1.579	1.550	NO 18.405

Total PeCDDs

	2. Total PeCDDs	355.8546	22.28	549.895	1.4662	1.4662	0.88408	1.9578	1.416	1.550	NO 5.511
	2. 1,2,3,7,8-PeC...	355.8546	26.20	168.473	0.4492	0.3825	0.88408	1.9578	1.073	1.550	YES 3.451
	2. Total PeCDDs	355.8546	24.16	884.356	2.3581	1.6148	0.88408	1.9578	2.724	1.550	YES 6.927

Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
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Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

Total HxCDFs

3. Total HxCDFs	373.8208	29.91	6083.307	12.3847	12.3847	1.23262	1.1496	1.160	1.240	NO 19.445
3. Total HxCDFs	373.8208	29.48	3025.409	6.1593	6.1593	1.23262	1.1496	1.086	1.240	NO 8.815
3. Total HxCDFs	373.8208	32.97	991.695	2.0189	2.0189	1.23262	1.1496	1.090	1.240	NO 9.610
2. 1,2,3,7,8,9-Hx...	373.8208	32.89	667.863	1.5544	1.5544	1.07822	1.3143	1.112	1.240	NO 4.623
2. 2,3,4,6,7,8-Hx...	373.8208	32.16	1347.292	2.7321	2.3438	1.23749	1.1451	1.611	1.240	YES 8.783
3. Total HxCDFs	373.8208	32.09	1015.481	2.0674	2.0674	1.23262	1.1496	1.241	1.240	NO 7.751
3. Total HxCDFs	373.8208	31.92	1387.221	2.8242	2.8242	1.23262	1.1496	1.382	1.240	NO 6.382
2. 1,2,3,6,7,8-Hx...	373.8208	31.51	4487.187	8.0646	7.3761	1.39626	1.0149	1.449	1.240	YES 22.772
2. 1,2,3,4,7,8-Hx...	373.8208	31.39	5715.374	11.7704	11.7704	1.21851	1.1630	1.269	1.240	NO 30.647
3. Total HxCDFs	373.8208	31.68	1328.849	2.7053	2.7053	1.23262	1.1496	1.116	1.240	NO 7.655

Total HxCDDs

3. Total HxCDDs	389.8157	30.68	188.530	0.4276	0.1383	1.08365	0.9227	5.927	1.240	YES 1.198
3. 1,2,3,4,7,8-Hx...	389.8157	32.42	385.821	0.9228	0.6852	1.02768	0.9730	2.017	1.240	YES 3.663
3. Total HxCDDs	389.8157	31.68	693.048	1.5720	1.3174	1.08365	0.9227	1.673	1.240	YES 5.153
3. Total HxCDDs	389.8157	31.42	575.179	1.3047	1.1098	1.08365	0.9227	1.633	1.240	YES 4.716

Total HpCDFs

4. 1,2,3,4,7,8,9-H...	407.7818	35.36	4033.546	9.9953	9.9953	1.19912	1.2532	1.009	1.040	NO 27.042
4. Total HpCDFs	407.7818	34.56	4151.418	9.4862	9.4862	1.30039	1.1556	0.920	1.040	NO 28.901
4. Total HpCDFs	407.7818	34.43	2692.954	6.1536	6.1536	1.30039	1.1556	0.897	1.040	NO 24.423
3. 1,2,3,4,6,7,8-H...	407.7818	34.25	13834.931	29.3294	26.4133	1.40167	1.0721	1.265	1.040	YES 99.162

Total HpCDDs

4. 1,2,3,4,6,7,8-H...	423.7766	35.06	1420.606	4.5954	4.5954	0.98108	1.4428	1.071	1.040	NO 12.965
4. Total HpCDDs	423.7766	34.49	1802.657	5.8312	5.8312	0.98108	1.4428	0.934	1.040	NO 17.285

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:44 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_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd.RT	RRF M...	Abs.Resp	Conc.	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
	13C-1,2,3,4-TCDD	331.9368	0.500	18.70	18.70	1.00000	3196819.25	4000.0000	4000.0000	100.0	2.67674	0.76	NO	
	13C-2,3,7,8-TCDF	315.9419	0.500	18.14	18.17	1.32993	2957921.00	2782.9036	2782.9036	69.6	1.96567	0.79	NO	
	2,3,7,8-TCDF	303.9016	0.500	18.19	18.16	0.97151	6096.83	8.4865	8.4865 J		0.77811	0.82	NO	
	Total TCDFs	303.9016	0.500		21.44	0.97151		55.3205	53.4484		0.77811			
	13C-2,3,7,8-TCDD	331.9368	0.500	18.90	18.91	0.88993	2072456.25	2913.8933	2913.8933	72.8	3.00783	0.76	NO	
	2,3,7,8-TCDD	319.8965	0.500	19.26	18.93	1.00877	243.56	0.4660	~~0.3893~~		0.66589	1.12	YES	
	Total TCDDs	319.8965	0.500		19.55	1.00877		4.6588	~~4.4260~~ 3.3		0.66589			
	37CL-2,3,7,8-TCDD	327.8847	0.500	18.91	18.90	0.64940	538738.63	1601.1696	0.0000	100.1	1.77233			
	13C-1,2,3,7,8-PeCDF	351.9000	0.500	23.50	23.54	0.97070	2273869.81	2931.0391	2931.0391	73.3	4.19454	1.59	NO	
	1,2,3,7,8-PeCDF	339.8597	0.500	23.53	23.53	1.06912	3629.80	5.9724	5.9724		1.33444	1.71	NO	
15	2,3,4,7,8-PeCDF	339.8597	0.500	24.96	24.95	1.02843	2068.00	3.5373	3.0289		1.38724	1.09	YES	
16	Total F2 PeCDFs	339.8597	0.500		34.47	1.04877		34.9315	31.9032		1.36033			
17	Total F1 PeCDFs	339.8597	0.500		36.56	1.04877		6.0758	+ 6.0758		0.86824			
18														
19	13C-1,2,3,7,8-PeCDD	367.8949	0.500	25.70	25.75	0.71523	1696843.00	2968.5204	2968.5204	74.2	3.03938	1.54	NO	
20	1,2,3,7,8-PeCDD	355.8546	0.500	26.20	25.73	0.88408	168.47	0.4492	~~0.3825~~		1.95785	1.07	YES	
21	Total PeCDDs	355.8546	0.500		31.10	0.88408		4.2735	~~3.4635~~		1.95785			
22														
23	13C-1,2,3,7,8,9-HxCDD	401.8559	0.500	32.69	32.74	1.00000	2127410.63	4000.0000	4000.0000	100.0	3.90149	1.29	NO	
24														
25	13C-1,2,3,4,7,8-HxCDF	383.8639	0.500	31.36	31.38	1.08439	1593981.81	2763.7915	2763.7915	69.1	6.99363	0.52	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	0.500	31.39	31.38	1.21851	5715.37	11.7704	11.7704 J		1.16296	1.27	NO	
27	1,2,3,6,7,8-HxCDF	373.8208	0.500	31.51	31.51	1.39626	4680.56	8.4122	7.3761		1.01490	1.55	YES	
28	2,3,4,6,7,8-HxCDF	373.8208	0.500	32.16	32.15	1.23749	1297.36	2.6308	2.1170		1.14512	1.78	YES	
29	1,2,3,7,8,9-HxCDF	373.8208	0.500	32.97	32.86	1.07822	1435.00	3.3398	2.8192		1.31427	0.88	YES	
30	Total HxCDFs	373.8208	0.500		0.00	1.23262		45.1195	39.5714		1.14964			

Quantify Sample Summary Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:44 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Ratio Fl...	Mod Date
32	13C-1,2,3,6,7,8-HxCDD	401.8559	0.500	32.40	32.40	0.89448		1627301.94	3420.6170	3420.6170	85.5	4.36173	1.28	NO	
33	1,2,3,4,7,8-HxCDD	389.8157	0.500	32.42	32.33	~~1.02768~~ .815		385.82	0.9228	~~0.6852~~		0.97299	2.02	YES	
34	1,2,3,6,7,8-HxCDD	389.8157	0.500		32.41	1.11052						0.90040		NO	
35	1,2,3,7,8,9-HxCDD	389.8157	0.500		32.70	1.11276						0.89859		NO	
36	Total HxCDDs	389.8157	0.500		0.00	1.08365			4.2272	~~3.2507~~		0.92273			
37	13C-1,2,3,4,6,7,8-HpCDF	417.8253	0.500	34.23	34.22	0.88081		1346133.84	2873.5247	2873.5247	71.8	9.26199	0.46	NO	
38	1,2,3,4,6,7,8-HpCDF	407.7818	0.500	34.25	34.25	1.40167		13834.93	29.3294	26.4133		1.07211	1.27	YES	
39	1,2,3,4,7,8,9-HpCDF	407.7818	0.500	35.36	35.35	1.19912		2990.84	7.4114	7.4114		1.25321	1.03	NO	
40	Total HpCDFs	407.7818	0.500		0.00	1.30039			52.3806	49.4645		1.15561			
41	13C-1,2,3,4,6,7,8-HpCDD	435.8169	0.500	35.05	35.02	0.85740		1260393.63	2763.9473	2763.9473	69.1	6.93618	1.05	NO	
42	1,2,3,4,6,7,8-HpCDD	423.7766	0.500	35.06	35.06	0.98108		1420.61	4.5954	4.5954		1.44276	1.07	NO	
43	Total HpCDDs	423.7766	0.500		-0.02	0.98108			11.4998	8.9290		1.44276			
44	13C-OCDD	469.7779	0.500	37.52	37.45	0.64317		1943338.63	5681.1199	5681.1199	71.0	14.21246	0.89	NO	
45	OCDF	441.7428	0.500	37.65	37.62	1.47706		17954.06	50.0387	45.3773		1.94373	0.75	YES	
46	OCDD	457.7377	0.500	37.54	37.53	1.19620		2472.47	8.5088	4.9089		1.80858	2.28	YES	
47															
48															
49	Function 1 PFK	330.97920	1.000		0.00										
50	Function 2 PFK	342.97920	1.000		0.00										
51	Function 3 PFK	380.97600	1.000		0.00										
52	Function 4 PFK	430.97290	1.000		0.00										
53	Function 5 PFK	442.97280	1.000		0.00										
54	TCDF PCDPE	375.8364	1.000		20.25	17.814...						0.00000			
55	F1 PeCDF PCDPE	409.79740	1.000		19.31	97.109...						0.00000			
56	F2 PeCDF PCDPE	409.7974	1.000	28.25	28.29	51.062...		117.73	2.3055		230.6	4.50944			
57	HXCDF PCDPE	445.7555	1.000		33.24	21.190...						0.00000			
58	HPCDF PCDPE	479.7165	1.000	34.29	34.27	39.173...		62.18	1.5872		158.7	2.69297			
59	OCDF PCDPE	513.67750	1.000	39.15	39.16	27.302...		3.69	0.1352		13.5	1.09712			

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:44 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_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382, Task:

Total TCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	5	Total TCDFs	303.9016	16.40	7392.770	10.2904	10.2904	0.97151	0.7781	0.721	0.770	NO	32.575
2	5	Total TCDFs	303.9016	16.12	934.781	1.3012	1.1897	0.97151	0.7781	0.936	0.770	YES	4.824
3	5	Total TCDFs	303.9016	15.97	783.657	1.0908	0.9791	0.97151	0.7781	0.972	0.770	YES	3.427
4	5	Total TCDFs	303.9016	15.60	2053.204	2.8580	2.8580	0.97151	0.7781	0.846	0.770	NO	10.570
5	5	Total TCDFs	303.9016	20.12	539.617	~~0.7511~~	~~0.5490~~	0.97151	0.7781	1.422	0.770	YES	2.581
6	5	Total TCDFs	303.9016	18.90	460.166	~~0.6405~~	~~0.5046~~	0.97151	0.7781	1.247	0.770	YES	2.602
7	4	2,3,7,8-TCDF	303.9016	18.19	6096.826	8.4865	8.4865	0.97151	0.7781	0.822	0.770	NO	21.796
8	5	Total TCDFs	303.9016	17.78	3617.895	5.0360	4.4048	0.97151	0.7781	1.024	0.770	YES	17.296
9	5	Total TCDFs	303.9016	17.58	3775.030	5.2547	4.5750	0.97151	0.7781	0.610	0.770	YES	17.489
10	5	Total TCDFs	303.9016	17.48	2666.419	3.7116	3.7116	0.97151	0.7781	0.777	0.770	NO	10.474
11	5	Total TCDFs	303.9016	17.21	3685.903	5.1306	5.1306	0.97151	0.7781	0.742	0.770	NO	16.072
12	5	Total TCDFs	303.9016	16.96	1944.013	2.7060	2.7060	0.97151	0.7781	0.732	0.770	NO	9.240
13	5	Total TCDFs	303.9016	16.90	1279.969	1.7817	1.7817	0.97151	0.7781	0.817	0.770	NO	7.539
14	5	Total TCDFs	303.9016	16.68	4512.605	6.2814	6.2814	0.97151	0.7781	0.712	0.770	NO	15.228

Total TCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	9	Total TCDDs	319.8965	20.08	382.190	0.7312	~~0.7312~~	1.00877	0.6659	0.725	0.770	NO	2.798
2	8	2,3,7,8-TCDD	319.8965	19.26	243.556	0.4660	~~0.3893~~	1.00877	0.6659	1.119	0.770	YES	3.097
3	9	Total TCDDs	319.8965	16.87	711.083	1.3605	1.2045	1.00877	0.6659	0.999	0.770	YES	8.349
4	9	Total TCDDs	319.8965	16.56	1098.124	2.1010	2.1010	1.00877	0.6659	0.804	0.770	NO	11.027

Total F2 PeCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio	Ratio	S/N
1	...	Total F2 PeCD...	339.8597	21.87	2109.763	3.5387	3.3073	1.04877	1.3603	1.315	1.550	YES	7.167
2	...	2,3,4,7,8-PeCDF	339.8597	24.96	2068.001	3.5373	3.0289	1.02843	1.3872	1.085	1.550	YES	6.985
3	...	Total F2 PeCD...	339.8597	23.82	619.469	~~1.0390~~	~~1.0390~~	1.04877	1.3603	1.462	1.550	NO	3.255
4	...	1,2,3,7,8-PeCDF	339.8597	23.53	3629.798	5.9724	5.9724	1.06912	1.3344	1.710	1.550	NO	9.802
5	...	Total F2 PeCD...	339.8597	23.40	1338.516	2.2451	1.5435	1.04877	1.3603	2.709	1.550	YES	3.955
6	...	Total F2 PeCD...	339.8597	22.99	2228.320	3.7376	2.3979	1.04877	1.3603	2.975	1.550	YES	5.633
7	...	Total F2 PeCD...	339.8597	22.62	741.172	~~1.2432~~	~~0.9960~~	1.04877	1.3603	0.949	1.550	YES	3.495
8	...	Total F2 PeCD...	339.8597	22.09	8119.010	13.6181	13.6181	1.04877	1.3603	1.716	1.550	NO	20.315

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	3622.343	6.0758	6.0758	1.04877	0.8682	1.579	1.550	NO	18.405

Quantify Totals Report MassLynx 4.1

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:31:44 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382, Task:

Total PeCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total PeCDDs	355.8546	22.28	549.895	1.4662	1.4662	0.88408	1.9578	1.416	1.550	NO	5.511
2	...	1,2,3,7,8-PeC...	355.8546	26.20	168.473	0.4492	0.3825	0.88408	1.9578	1.073	1.550	YES	3.451
3	...	Total PeCDDs	355.8546	24.16	884.356	2.3581	1.6148	0.88408	1.9578	2.724	1.550	YES	6.927

Total HxCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total HxCDFs	373.8208	29.91	4170.186	8.4899	6.0058	1.23262	1.1496	2.167	1.240	YES	18.732
2	...	Total HxCDFs	373.8208	29.48	2403.398	4.8930	4.8930	1.23262	1.1496	1.056	1.240	NO	8.762
3	...	1,2,3,7,8,9-Hx...	373.8208	32.97	1434.997	3.3398	2.8192	1.07822	1.3143	0.877	1.240	YES	9.405
4	...	2,3,4,6,7,8-Hx...	373.8208	32.16	1297.362	2.6308	2.1170	1.23749	1.1451	1.784	1.240	YES	8.269
5	...	Total HxCDFs	373.8208	32.09	1015.481	2.0674	2.0674	1.23262	1.1496	1.241	1.240	NO	7.751
6	...	Total HxCDFs	373.8208	31.92	617.061	1.2562	0.6477	1.23262	1.1496	3.345	1.240	YES	3.763
7	...	Total HxCDFs	373.8208	31.68	1109.974	2.2597	1.8748	1.23262	1.1496	0.849	1.240	YES	7.486
8	...	1,2,3,6,7,8-Hx...	373.8208	31.51	4680.565	8.4122	7.3761	1.39626	1.0149	1.555	1.240	YES	22.772
9	...	1,2,3,4,7,8-Hx...	373.8208	31.39	5715.374	11.7704	11.7704	1.21851	1.1630	1.269	1.240	NO	30.647

	#	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	30.68	188.530	0.4276	0.1383	1.08365	0.9227	5.927	1.240	YES	1.198
2	...	1,2,3,4,7,8-Hx...	389.8157	32.42	385.821	0.9228	0.6852	1.02768	0.9730	2.017	1.240	YES	3.663
3	...	Total HxCDDs	389.8157	31.68	693.048	1.5720	1.3174	1.08365	0.9227	1.673	1.240	YES	5.153
4	...	Total HxCDDs	389.8157	31.43	575.179	1.3047	1.1098	1.08365	0.9227	1.633	1.240	YES	4.716

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

Total HpCDFs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	1,2,3,4,7,8,9-H...	407.7818	35.36	2990.837	7.4114	7.4114	1.19912	1.2532	1.028	1.040	NO	26.479
2	...	Total HpCDFs	407.7818	34.56	4151.418	9.4862	9.4862	1.30039	1.1556	0.920	1.040	NO	28.901
3	...	Total HpCDFs	407.7818	34.43	2692.954	6.1536	6.1536	1.30039	1.1556	0.897	1.040	NO	24.423
4	...	1,2,3,4,6,7,8-H...	407.7818	34.25	13834.931	29.3294	26.4133	1.40167	1.0721	1.265	1.040	YES	99.162

Total HpCDDs

	#	Name	Trace	RT	Abs Resp	Conc	EMPC	RRF Mean	EDL	Ratio	Ratio (...	Ratio	S/N
1	...	Total HpCDDs	423.7766	35.35	350.836	1.1349	0.7253	0.98108	1.4428	2.192	1.040	YES	3.184
2	...	1,2,3,4,6,7,8-H...	423.7766	35.06	1420.606	4.5954	4.5954	0.98108	1.4428	1.070	1.040	NO	12.965
3	...	Total HpCDDs	423.7766	34.53	1336.357	4.3228	2.5639	0.98108	1.4428	0.433	1.040	YES	17.285
4	...	Total HpCDDs	423.7766	34.25	447.214	1.4466	1.0445	0.98108	1.4428	1.825	1.040	YES	3.864

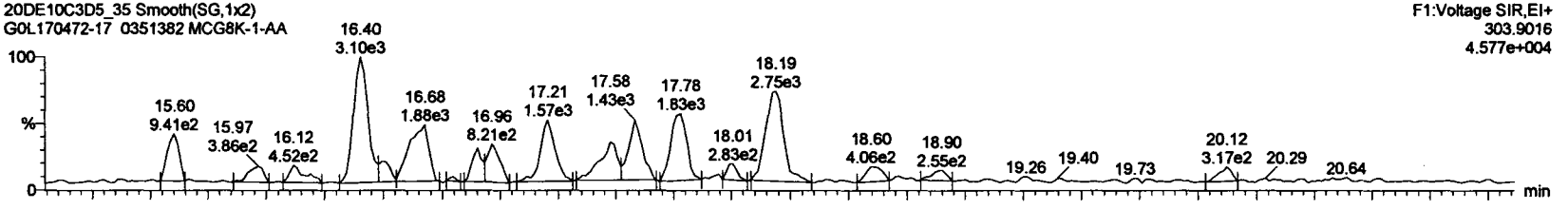
Quantify Sample Report **MassLynx 4.1**

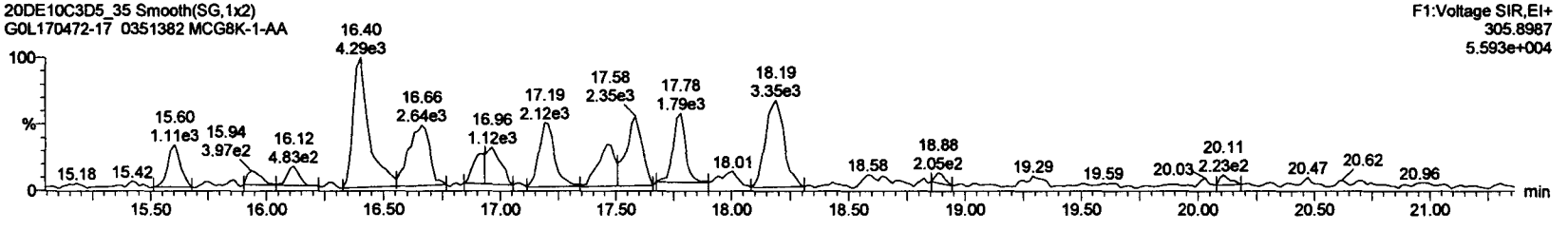
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

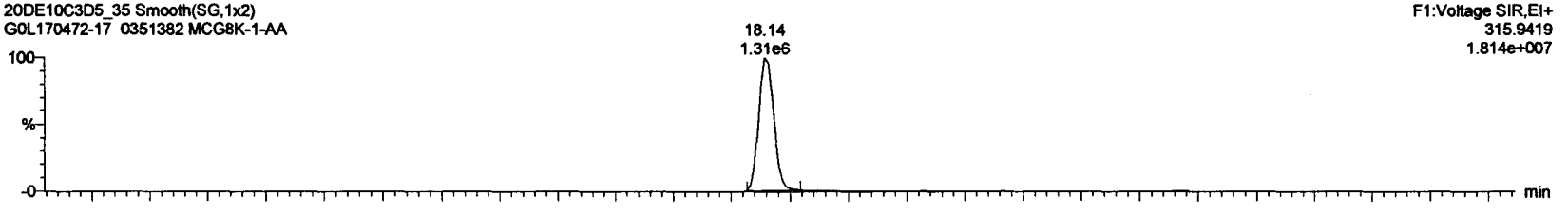
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

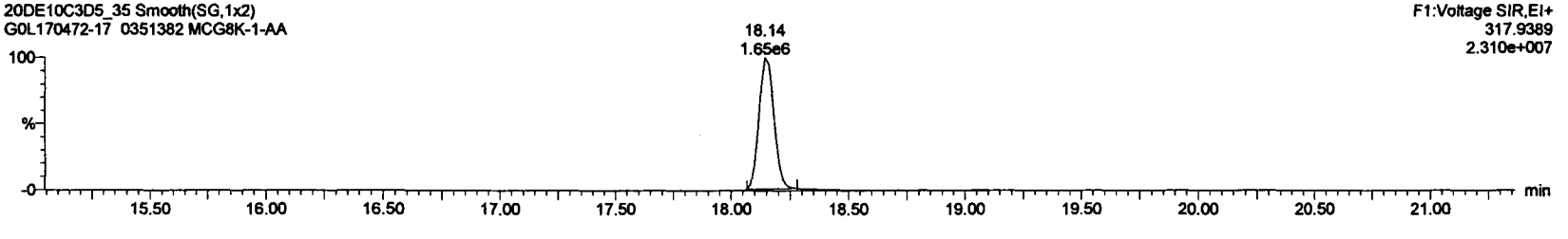
TCDFs





13C-TCDF





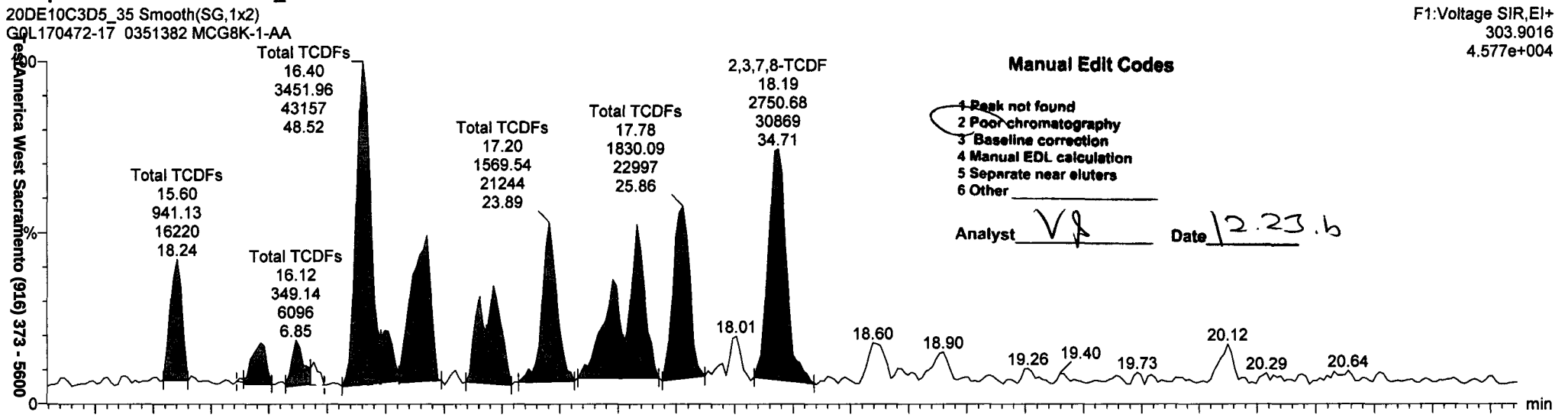
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

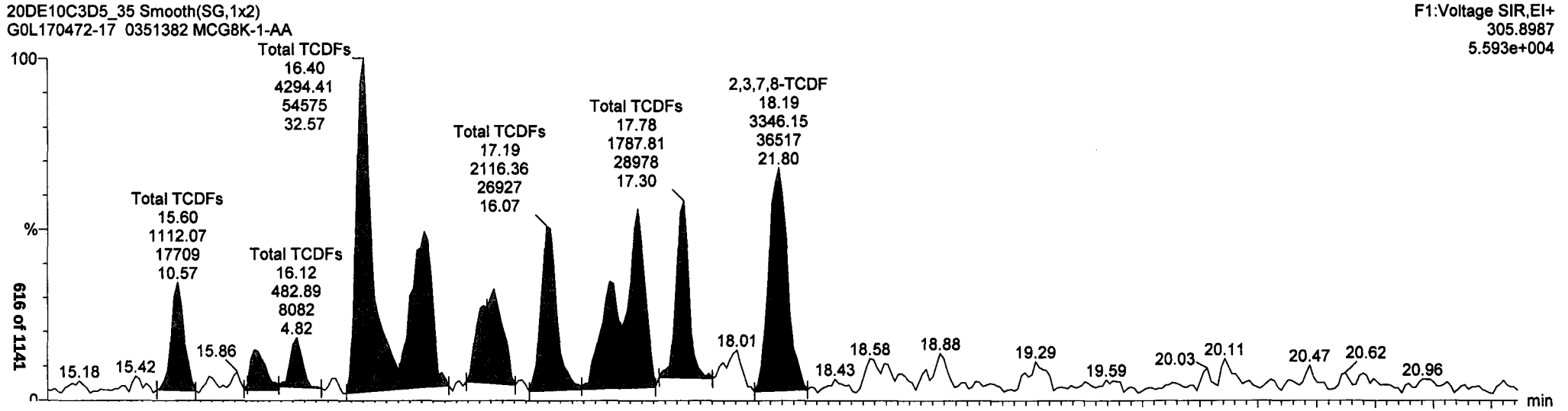
Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

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 TCDFs, Chrom. Trace: 303.9016

Sample Name: 20DE10C3D5_35





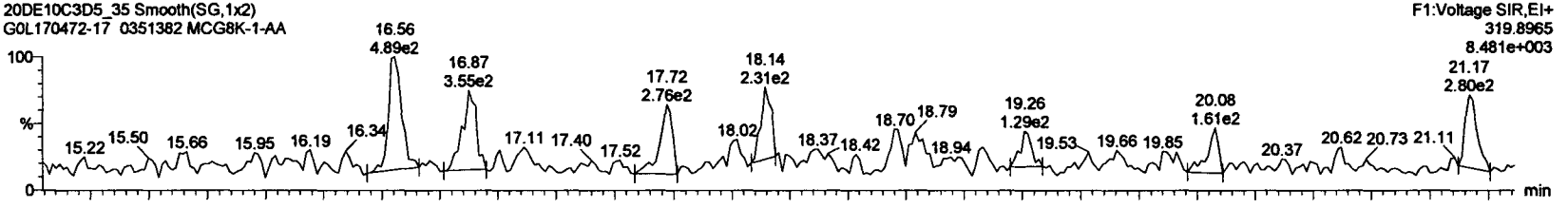
Quantify Sample Report **MassLynx 4.1**

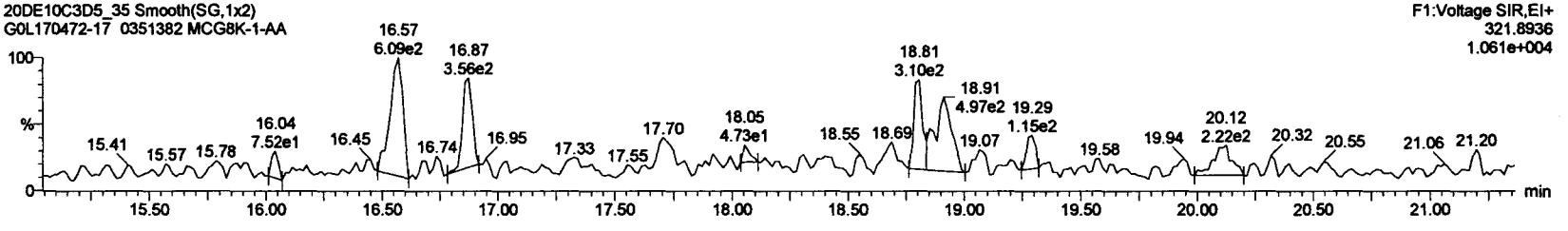
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

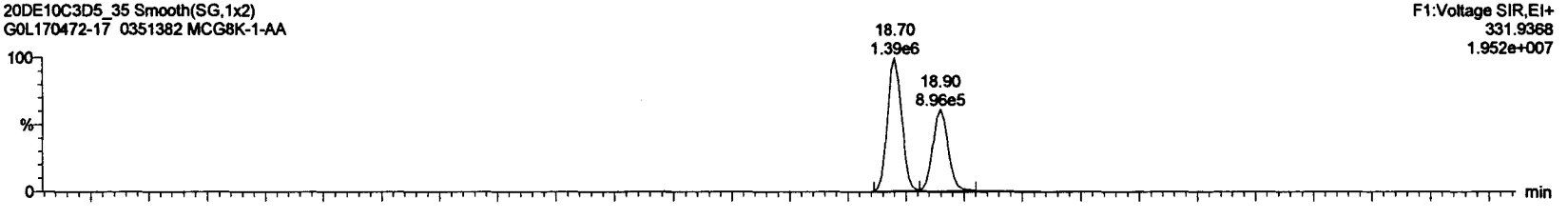
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

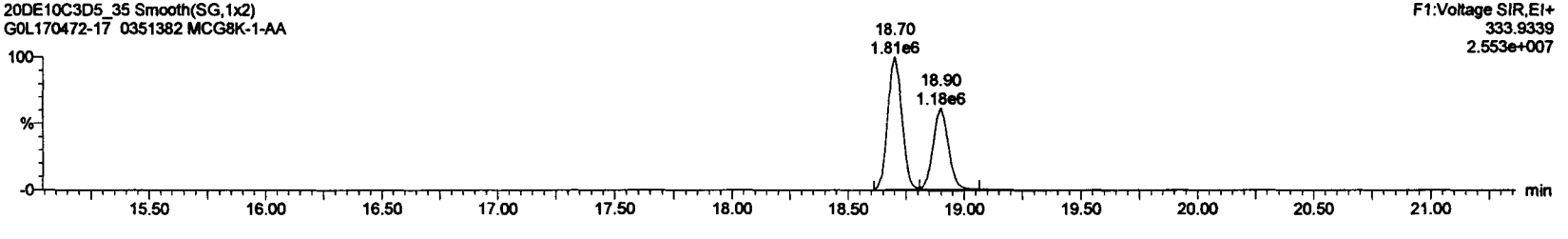
TCDDs





13C-TCDDs





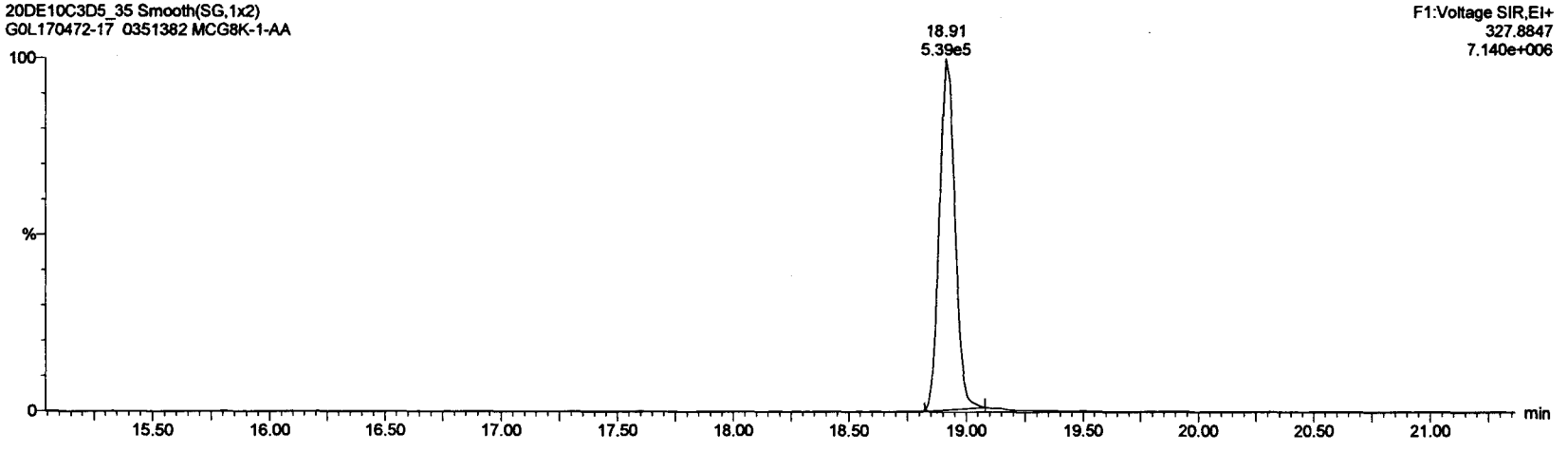
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

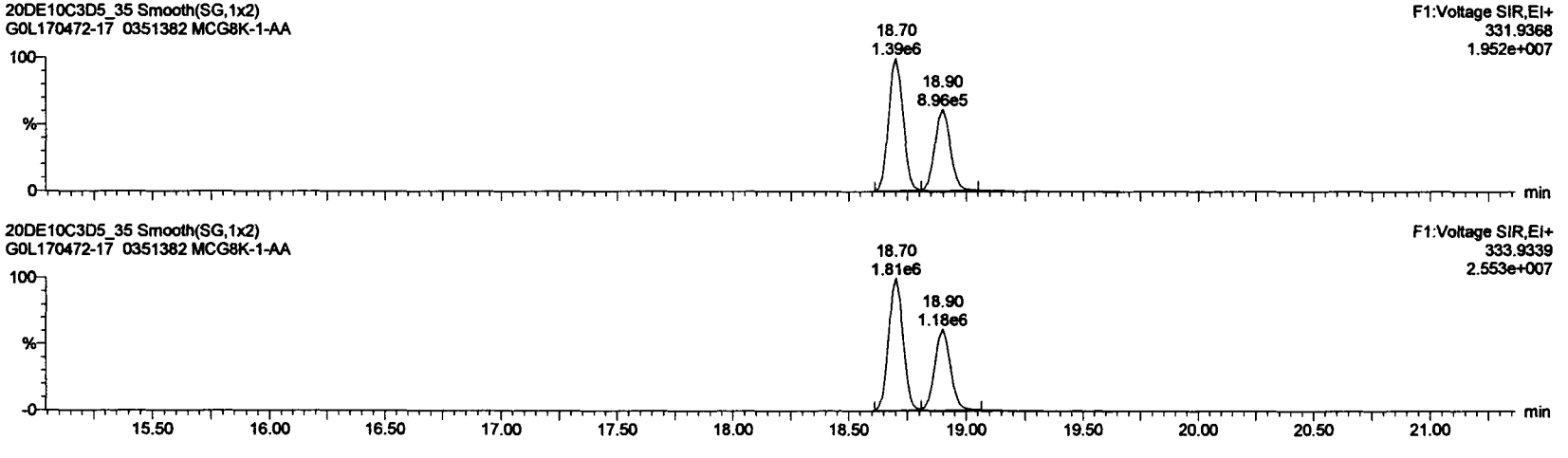
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

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



13C-TCDDs



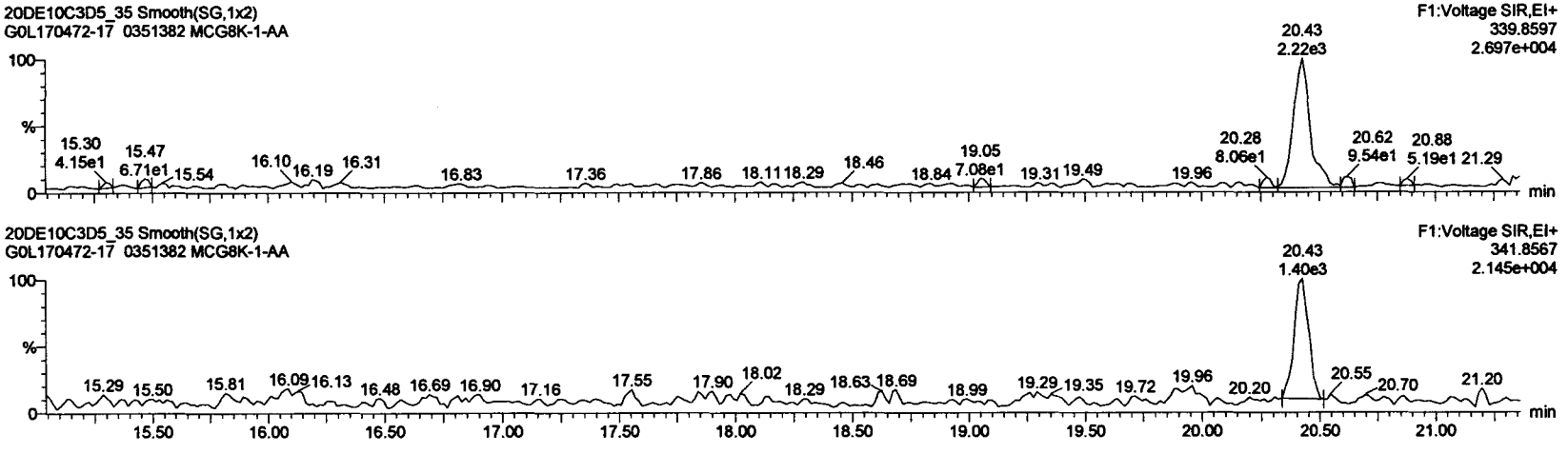
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

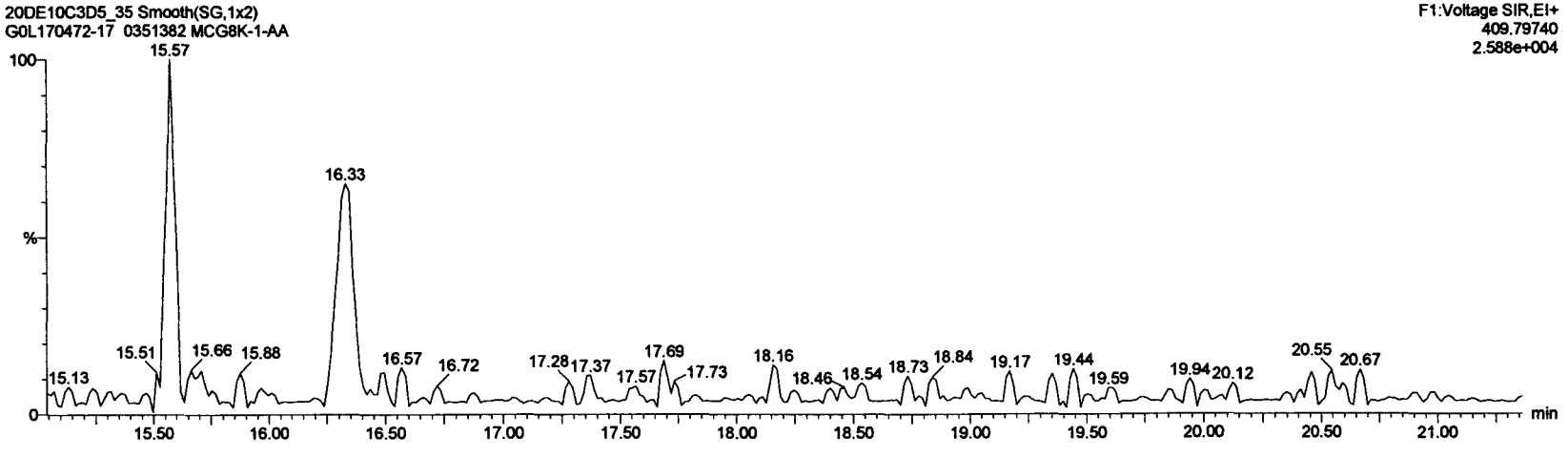
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

F1 PeCDFs



F1 PeCDF PCDPE



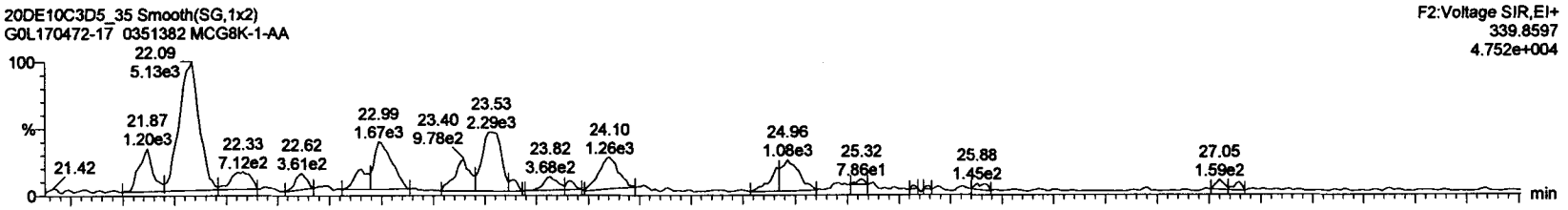
Quantify Sample Report **MassLynx 4.1**

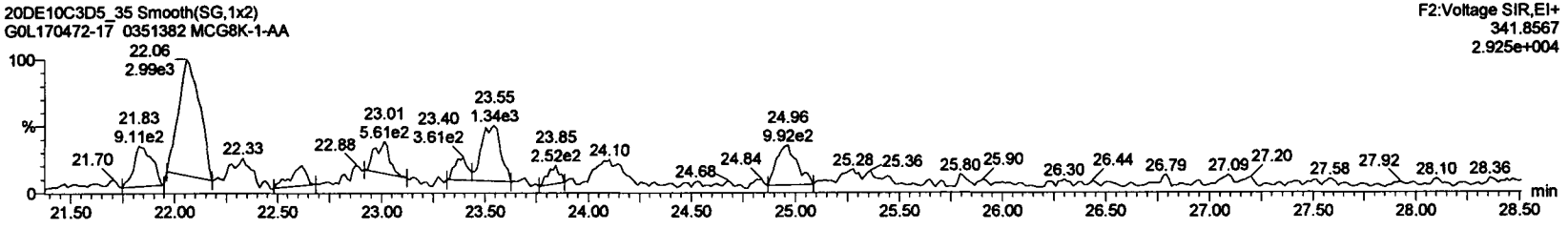
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

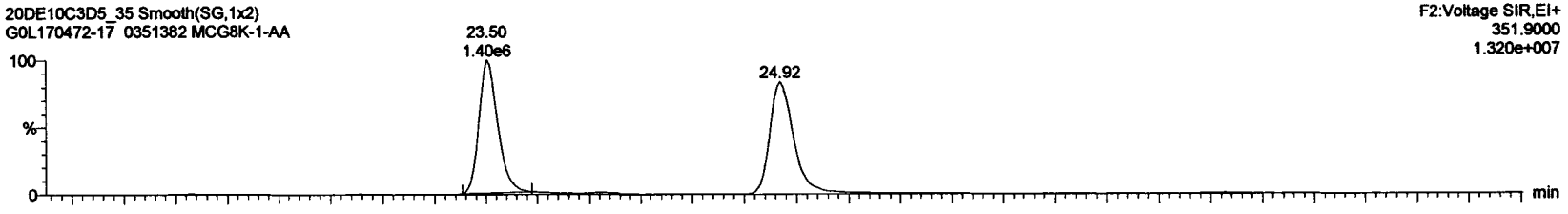
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

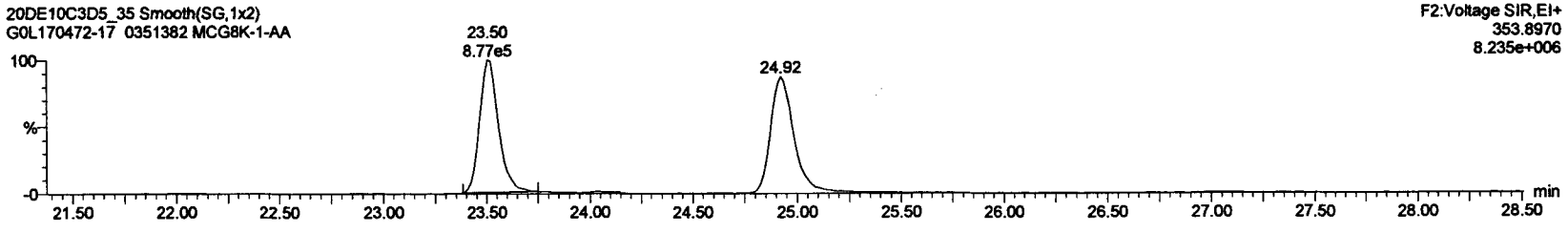
PeCDFs





13C-PeCDFs



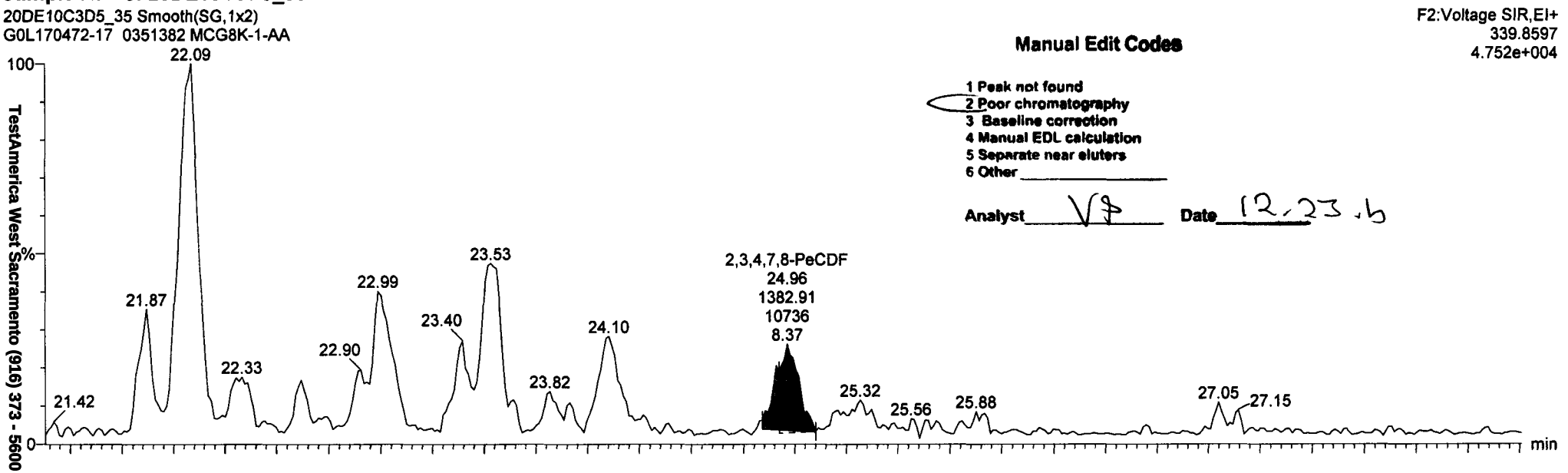


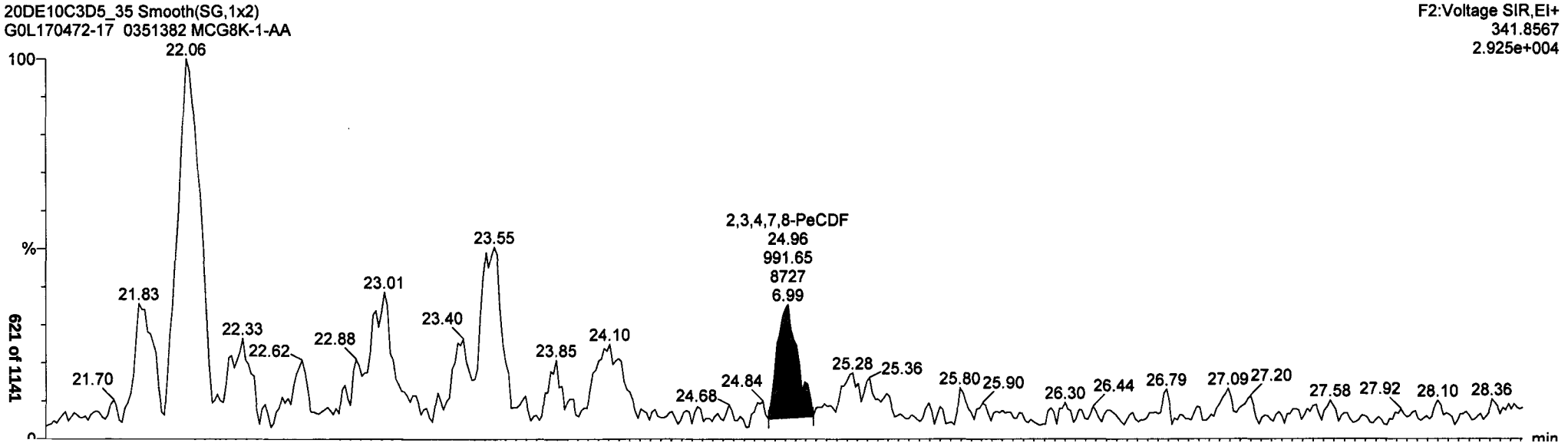
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: 2,3,4,7,8-PeCDF, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_35



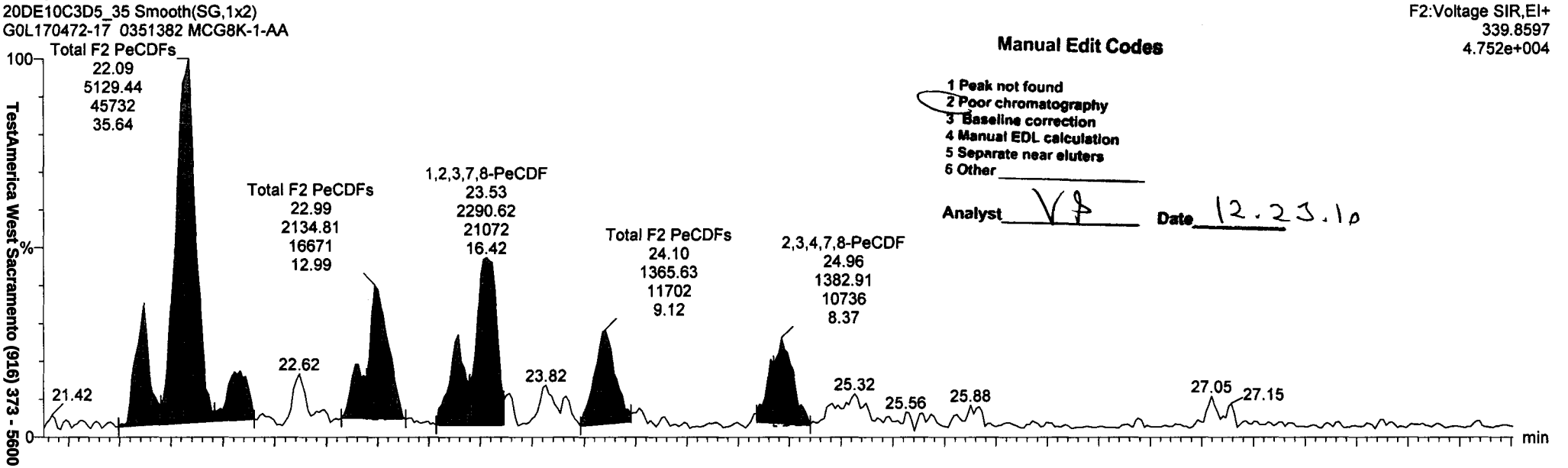


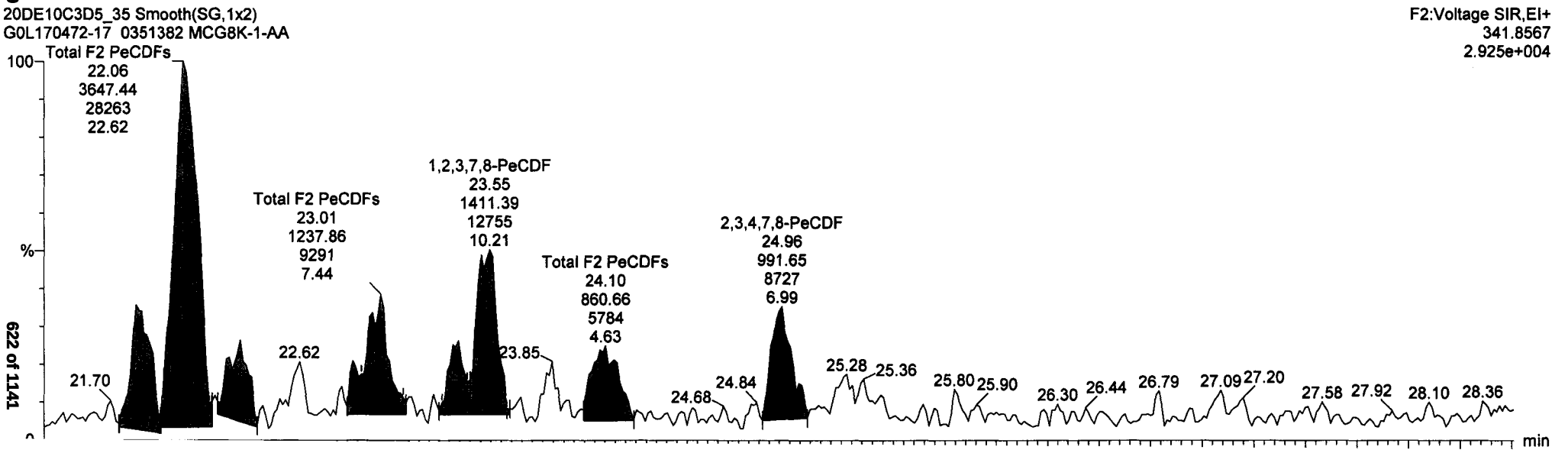
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: Total F2 PeCDFs, Chrom. Trace: 339.8597

Sample Name: 20DE10C3D5_35





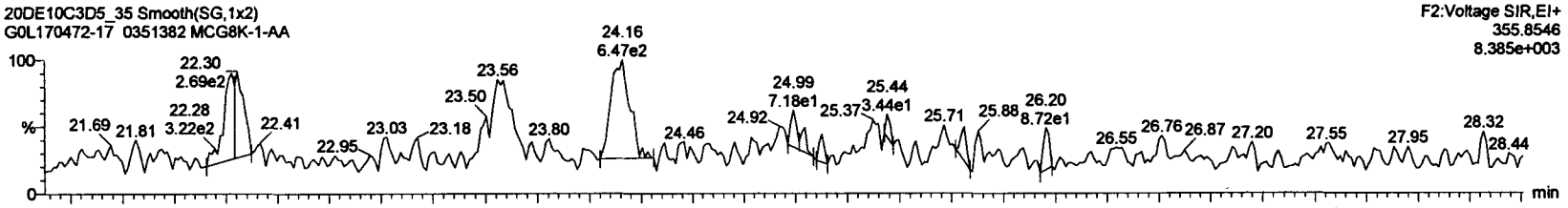
Quantify Sample Report **MassLynx 4.1**

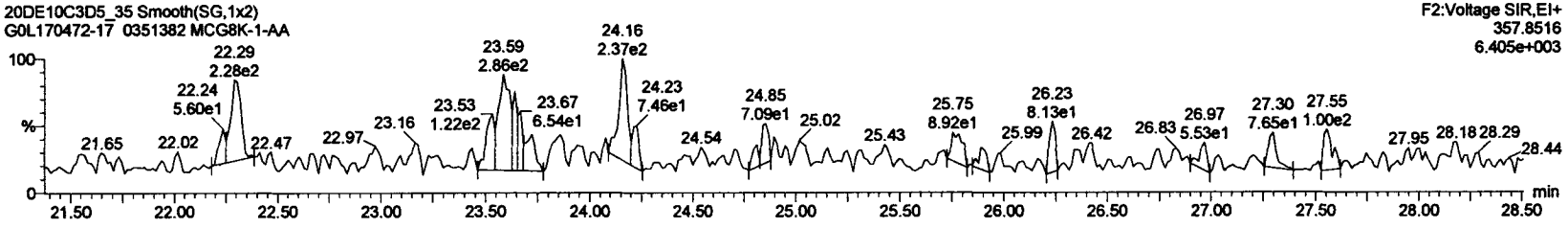
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

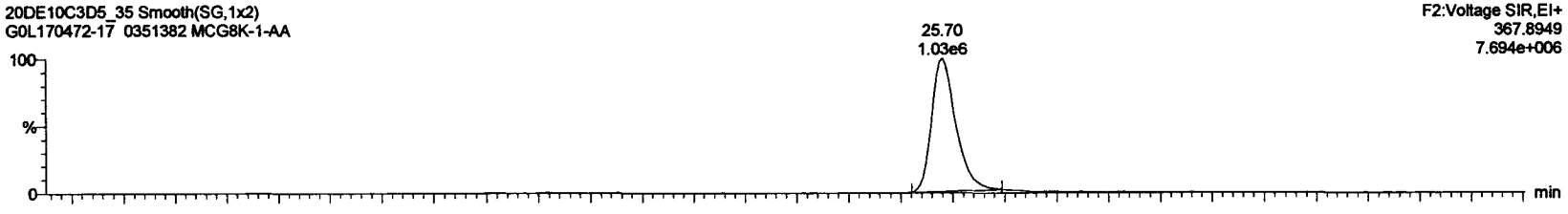
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

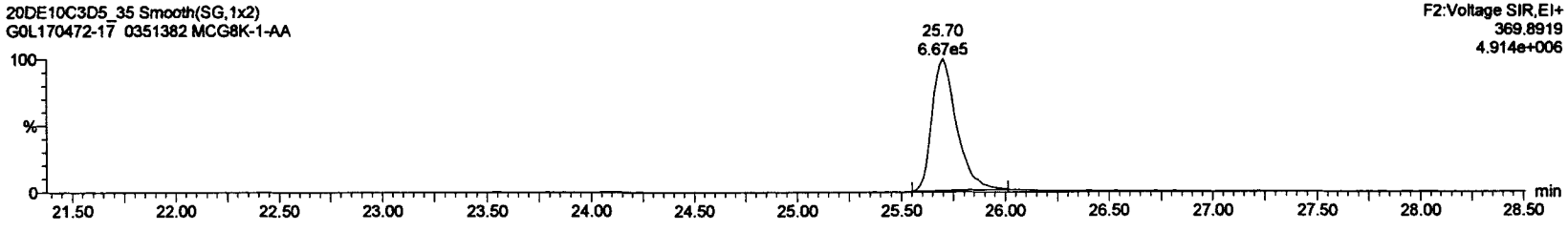
PeCDDs





13C-PeCDD





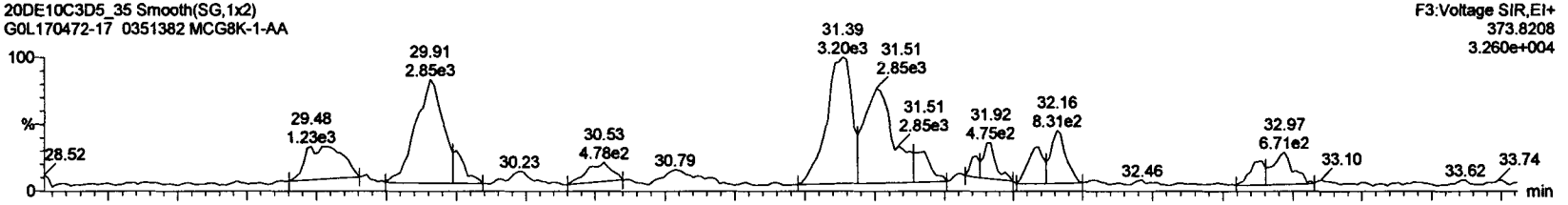
Quantify Sample Report **MassLynx 4.1**

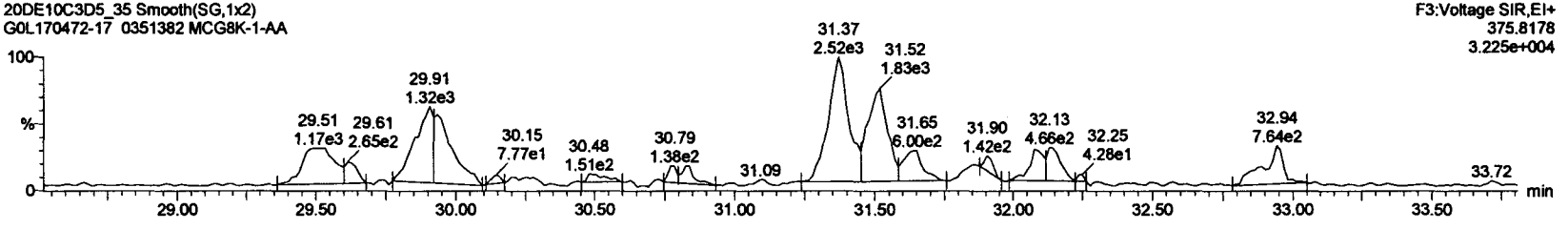
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

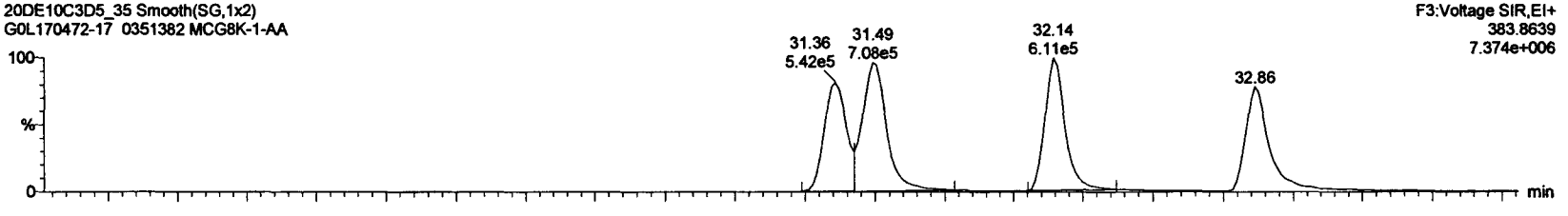
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

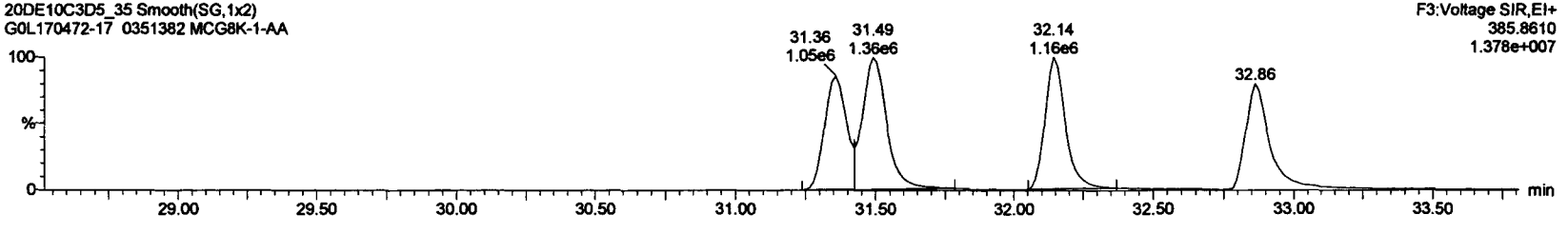
HxCDFs





13C-HxCDFs



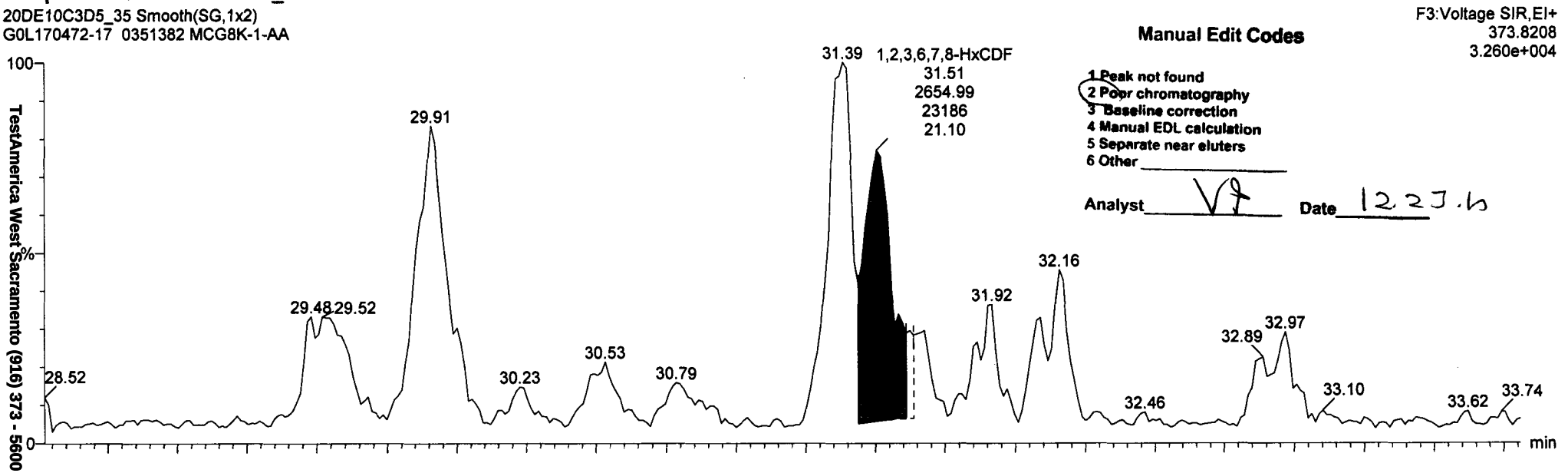


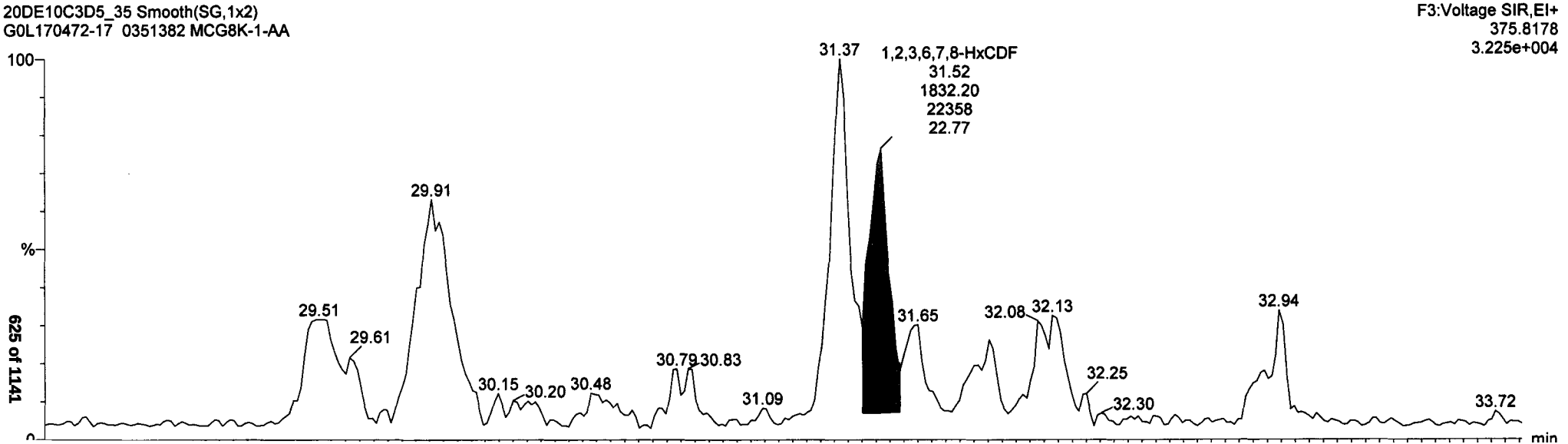
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: 1,2,3,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_35





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

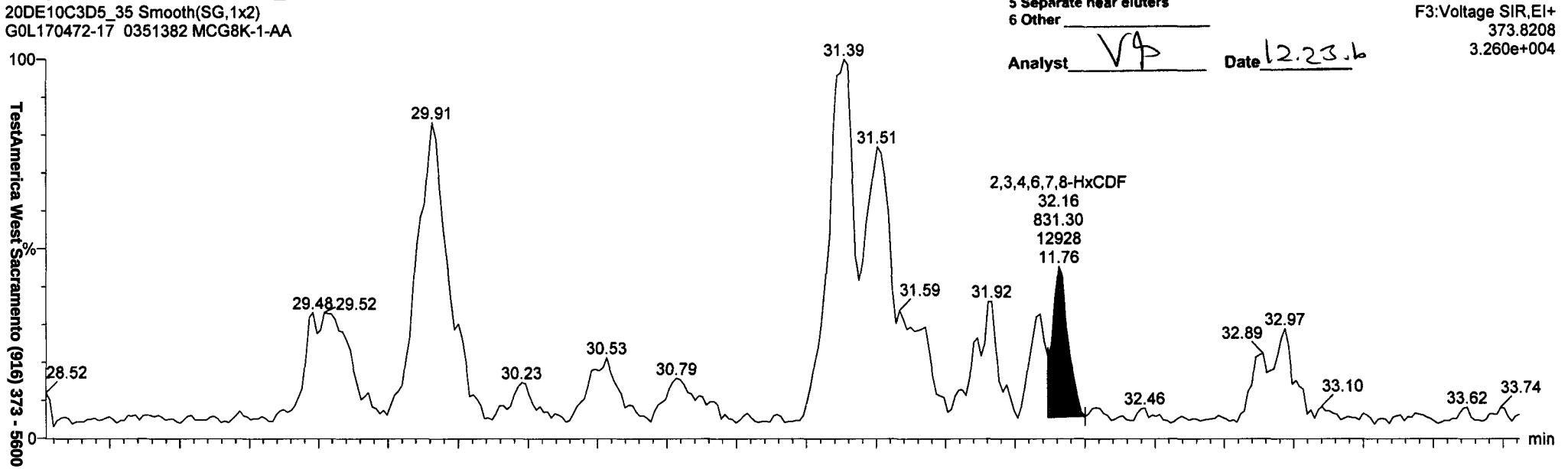
Manual Edit Codes

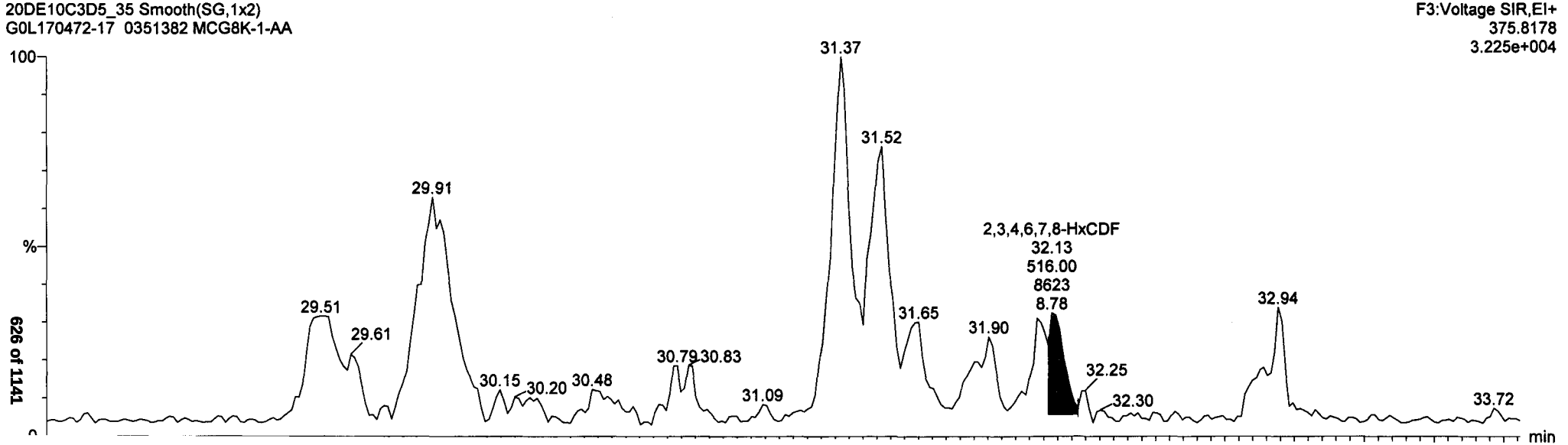
1 Peak not found
2 Poor chromatography
3 Baseline correction
4 Manual EDL calculation
5 Separate near eluters
6 Other _____

Analyst VP Date 12.23.10

Compound Name: 2,3,4,6,7,8-HxCDF, Chrom. Trace: 373.8208

Sample Name: 20DE10C3D5_35





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

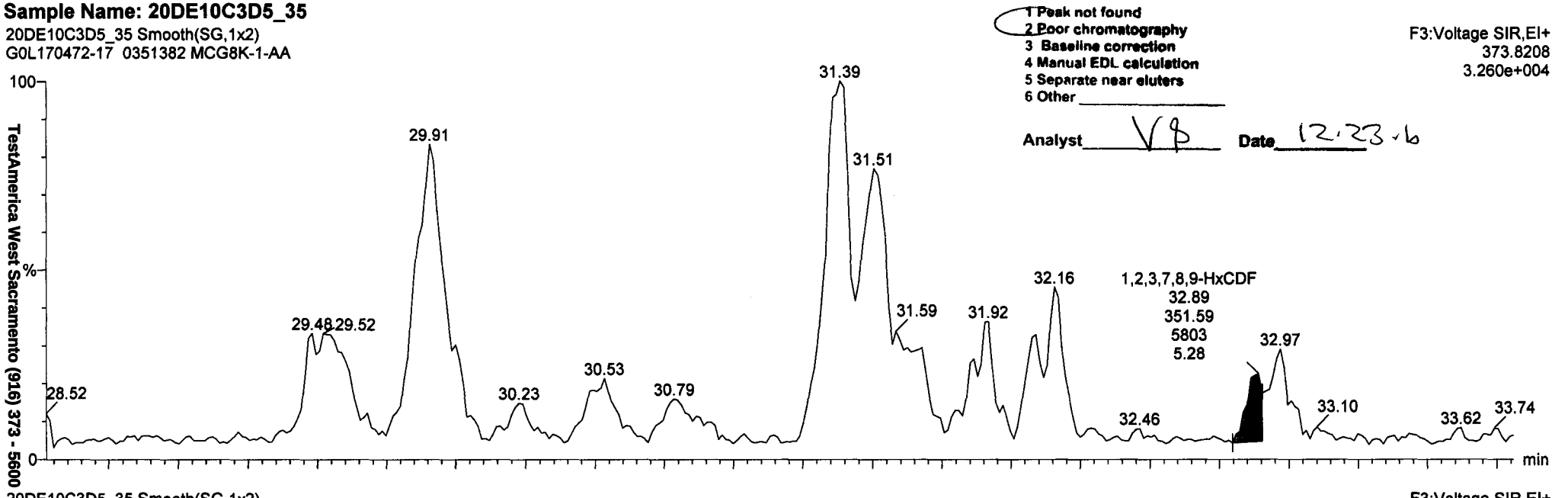
Compound Name: 1,2,3,7,8,9-HxCDF, Chrom. Trace: 373.8208

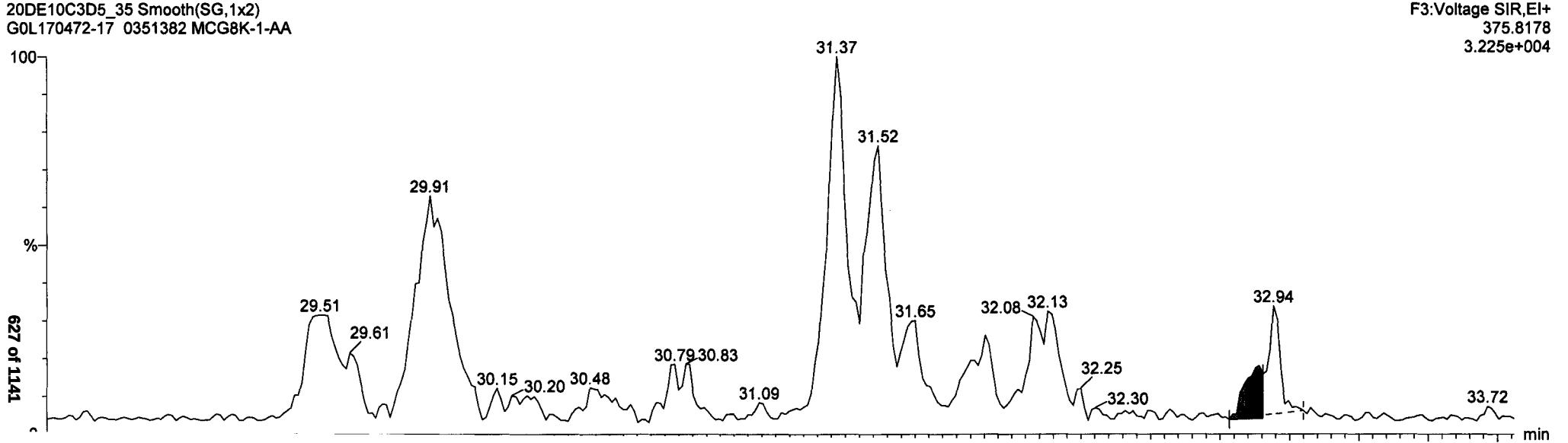
Manual Edit Codes

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

Analyst VB Date 12.23.10

Sample Name: 20DE10C3D5_35





Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

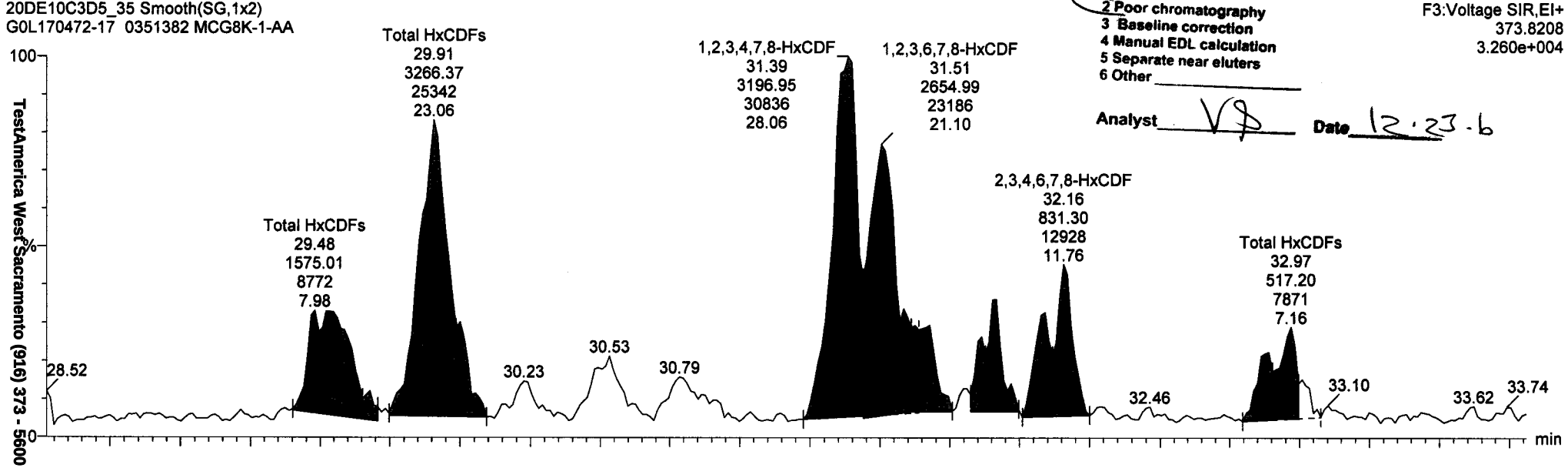
Compound Name: Total HxCDFs, Chrom. Trace: 373.8208

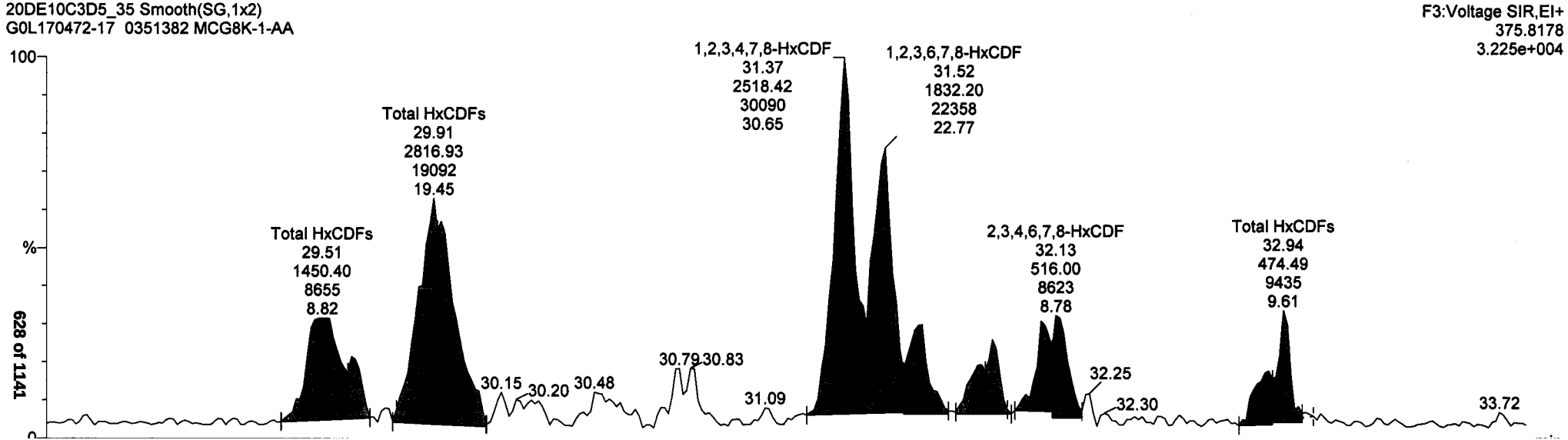
Sample Name: 20DE10C3D5_35

Manual Edit Codes

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

Analyst VB Date 12.23.6





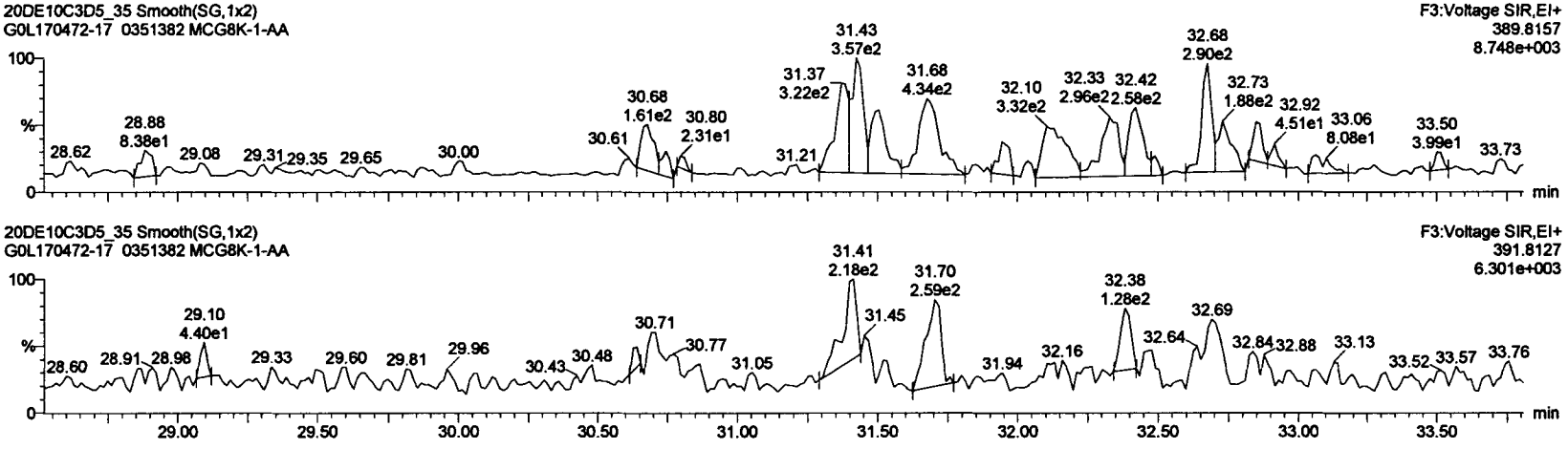
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

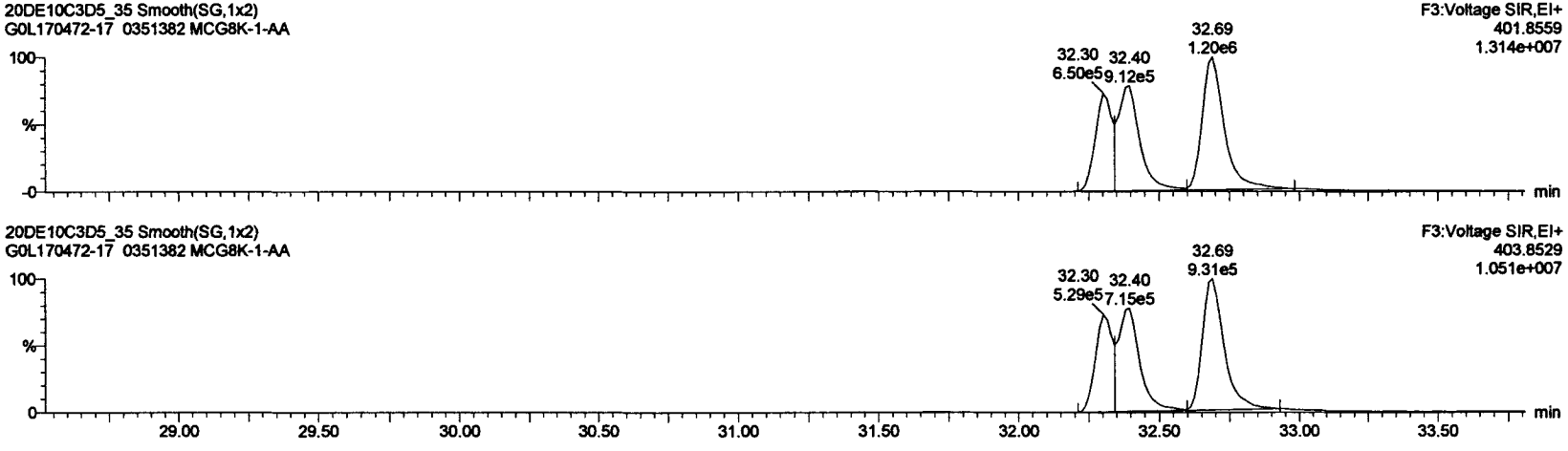
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

HxCDDs



13C-HxCDDs



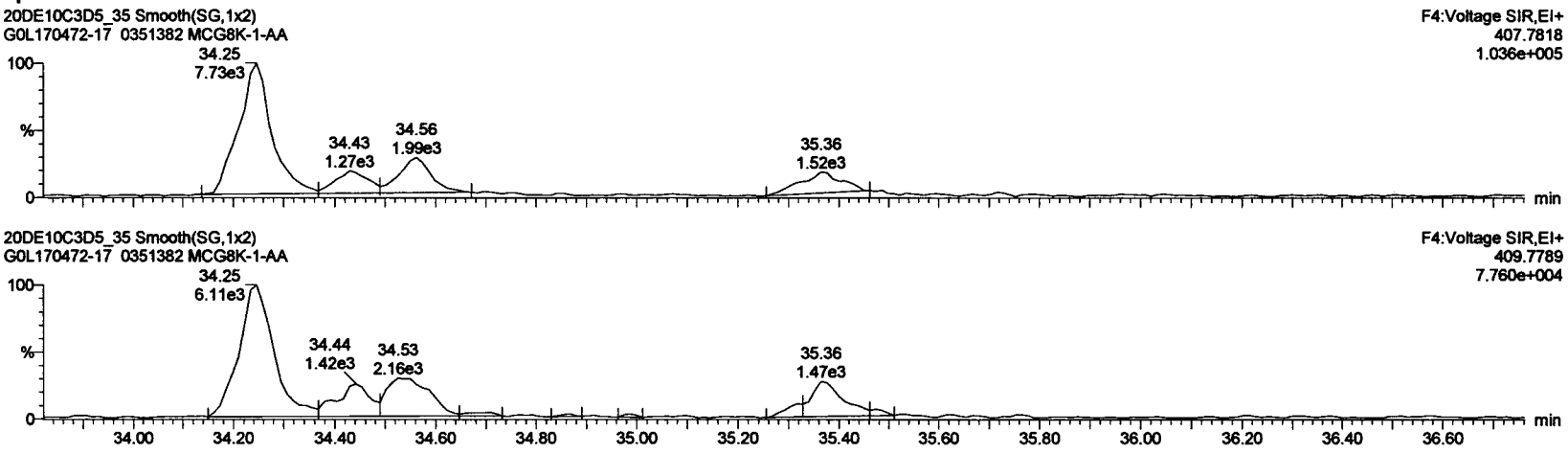
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

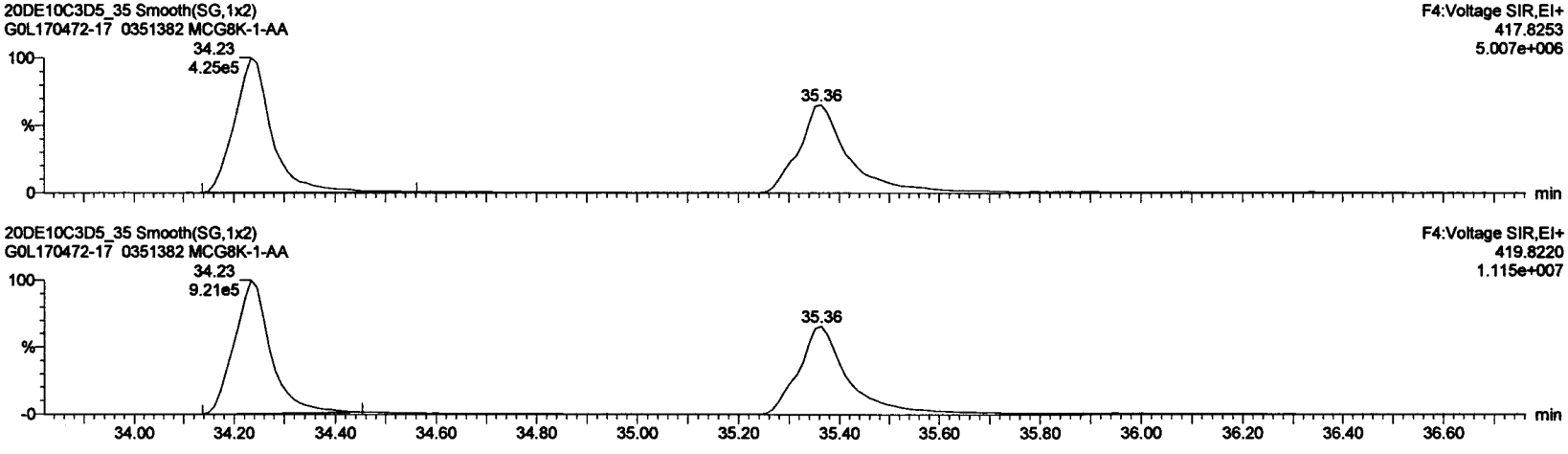
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

HpCDFs



13C-HpCDFs

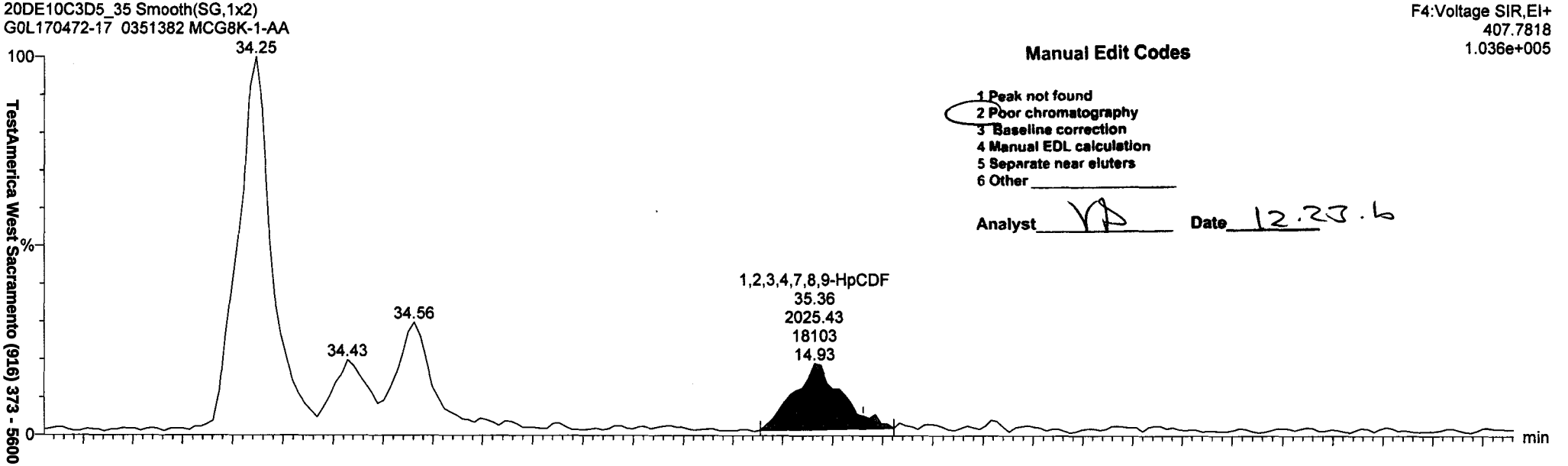


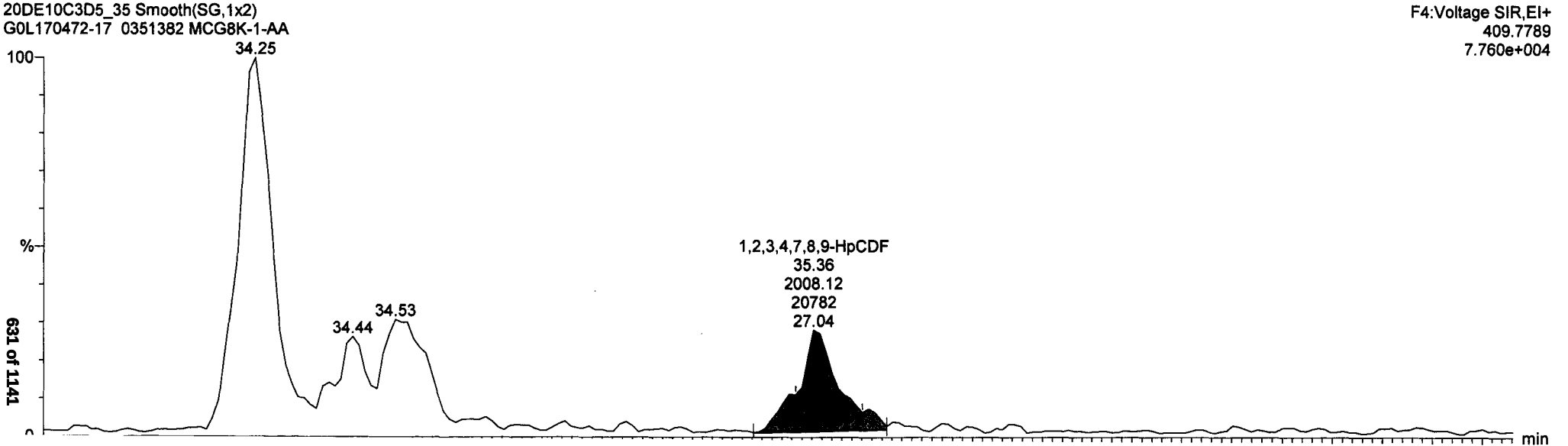
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: 1,2,3,4,7,8,9-HpCDF, Chrom. Trace: 407.7818

Sample Name: 20DE10C3D5_35





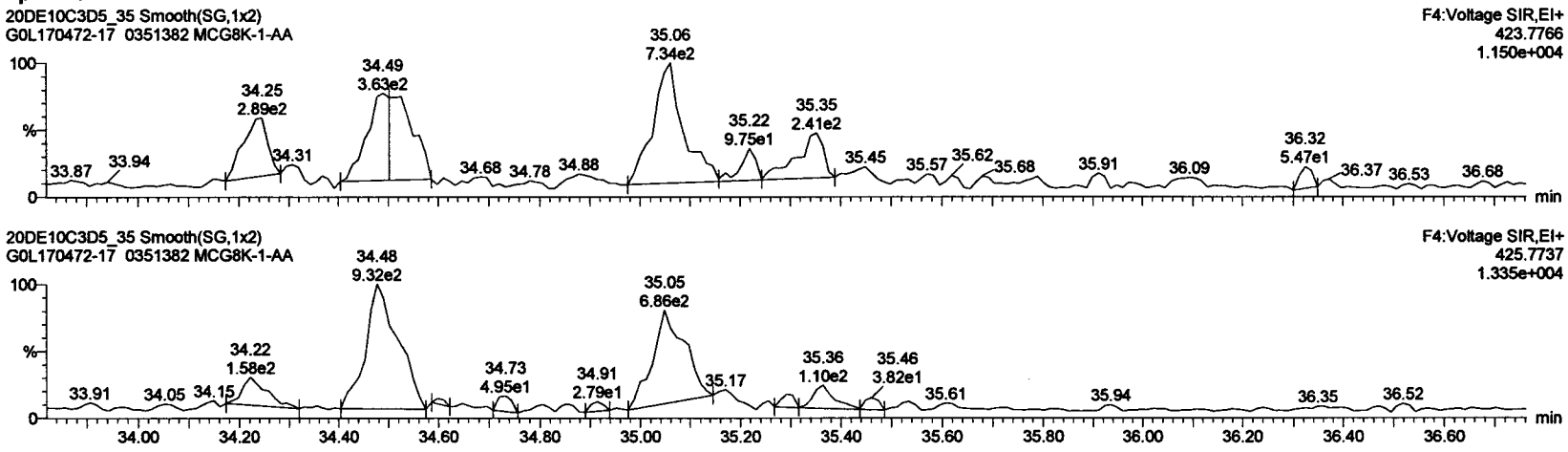
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

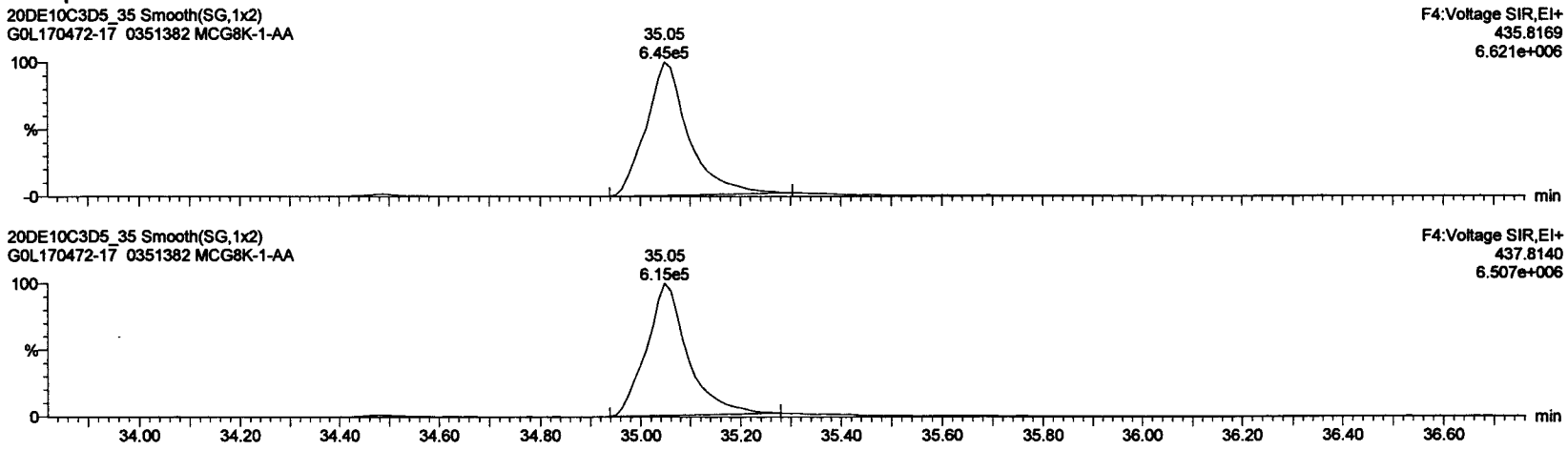
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

HpCDDs



13C-HpCDD

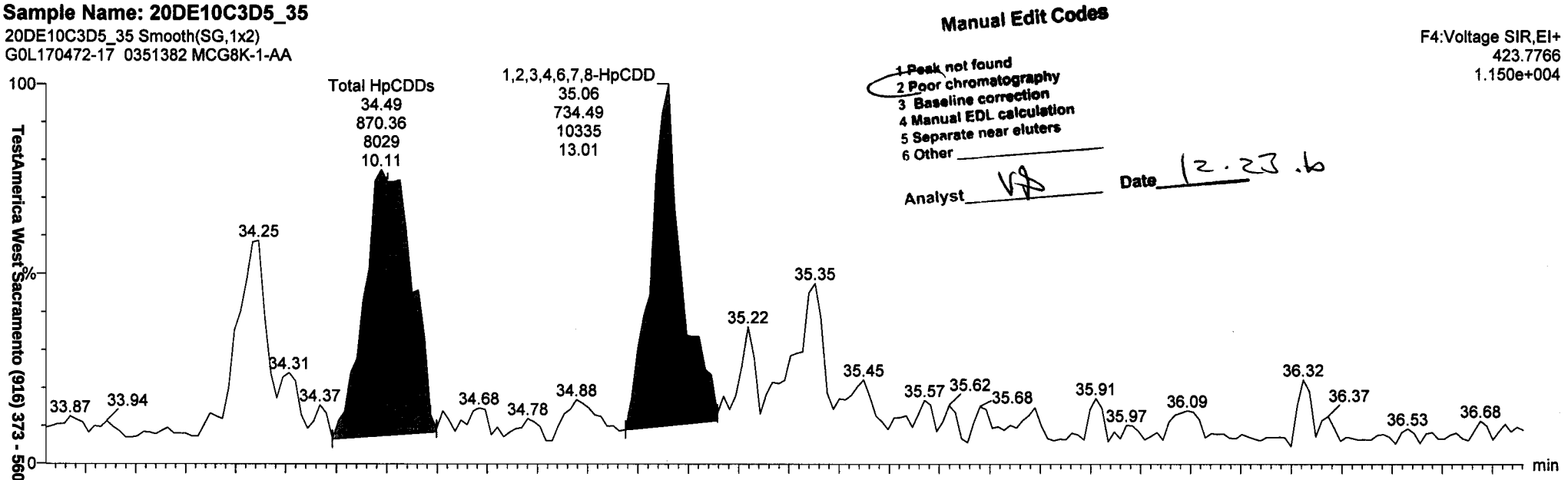


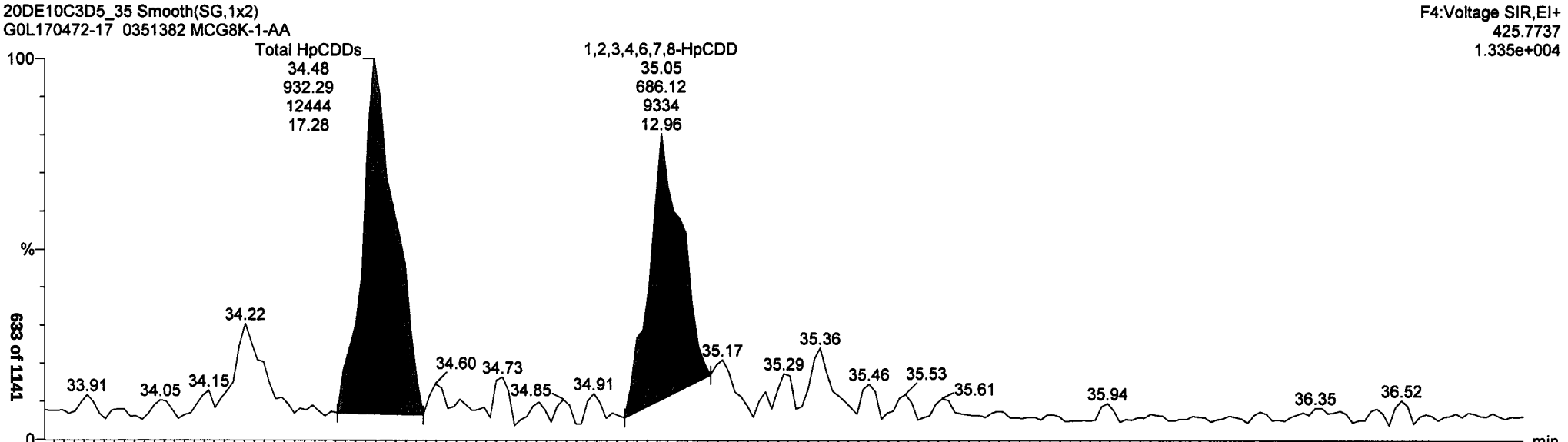
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: Total HpCDDs, Chrom. Trace: 423.7766

Sample Name: 20DE10C3D5_35





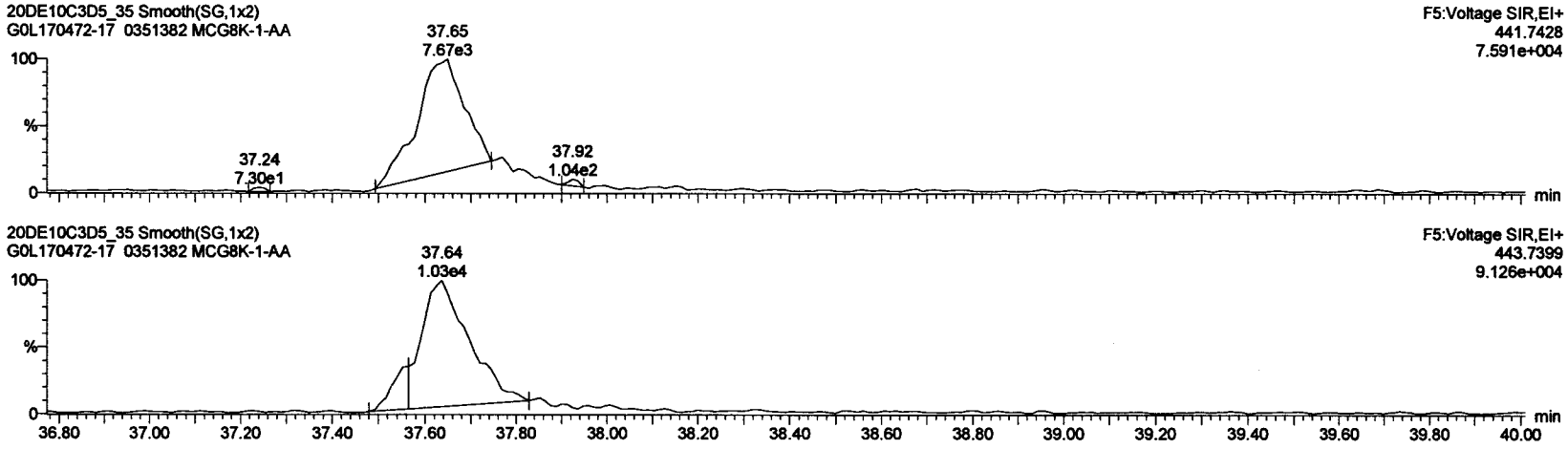
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

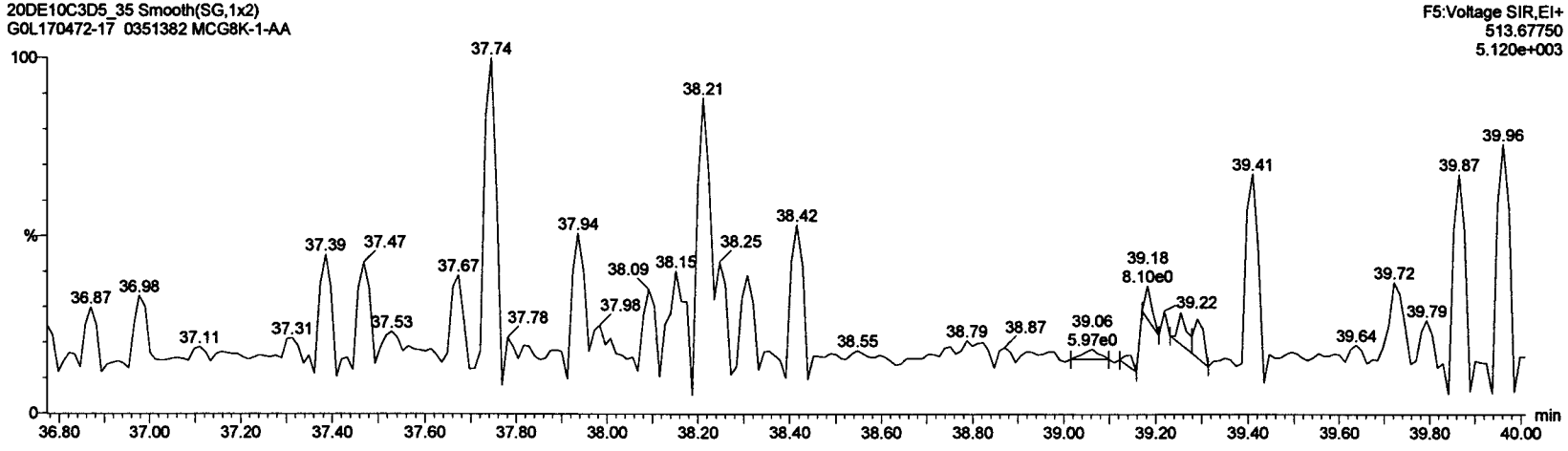
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

OCDFs



OCDF PCDPE

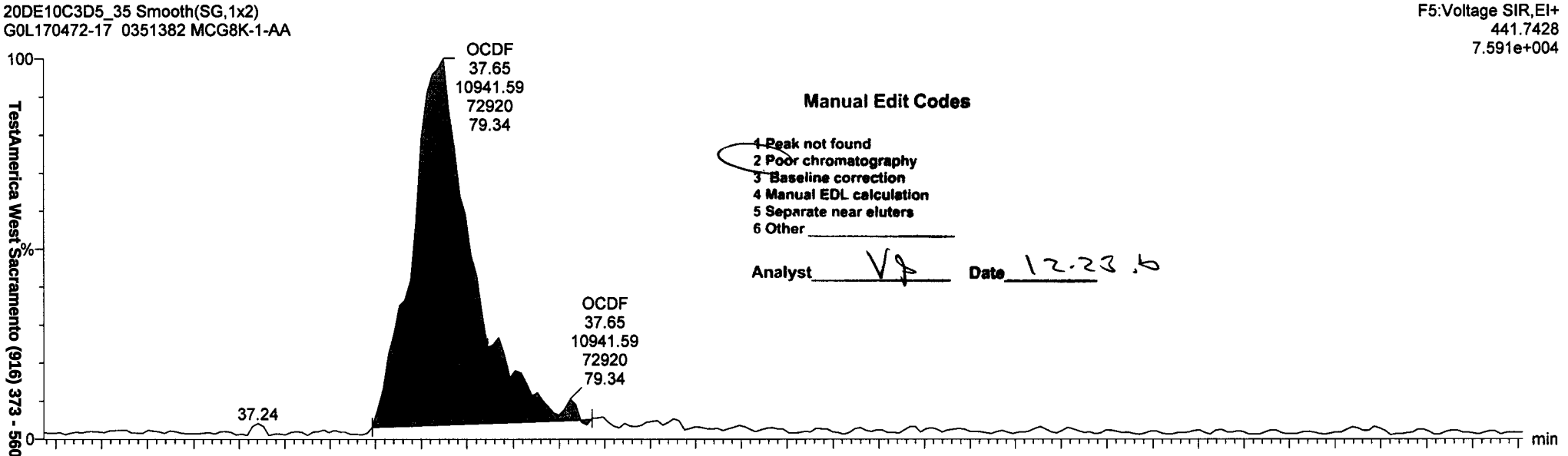


Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:09 Pacific Standard Time

Compound Name: OCDF, Chrom. Trace: 441.7428

Sample Name: 20DE10C3D5_35



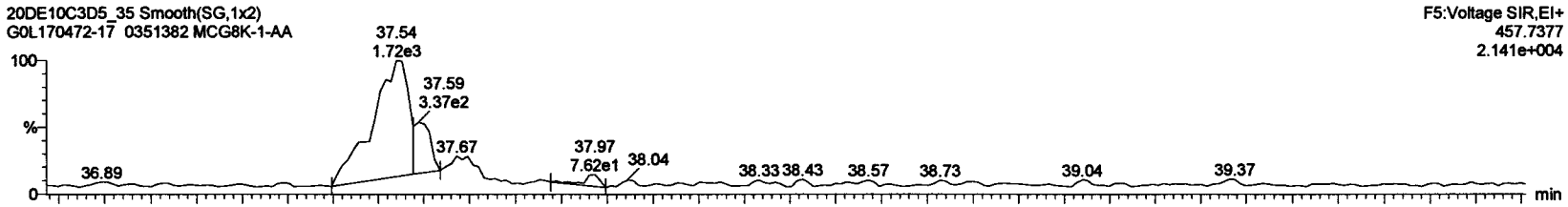
Quantify Sample Report **MassLynx 4.1**

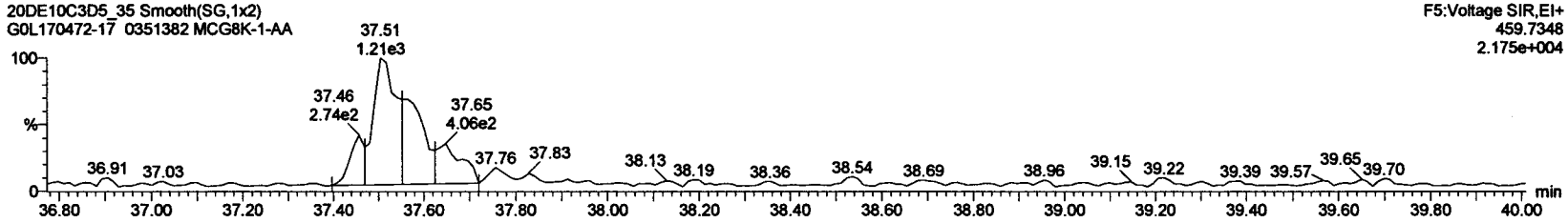
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

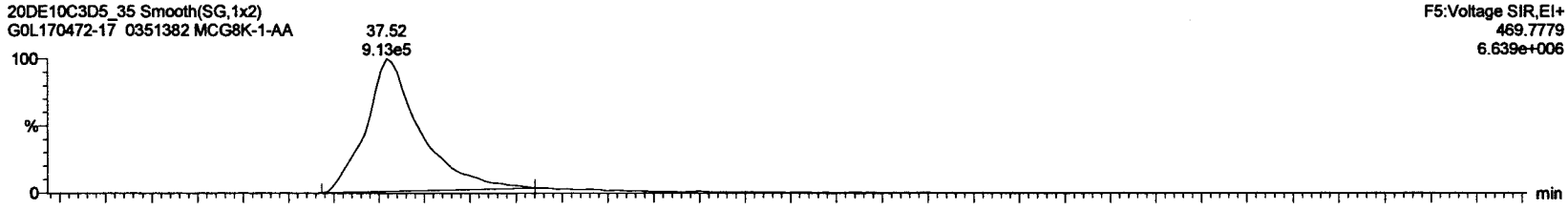
Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

OCDD





13C-OCDD



Quantify Compound Report **MassLynx 4.1 SCN 714 Desktop**

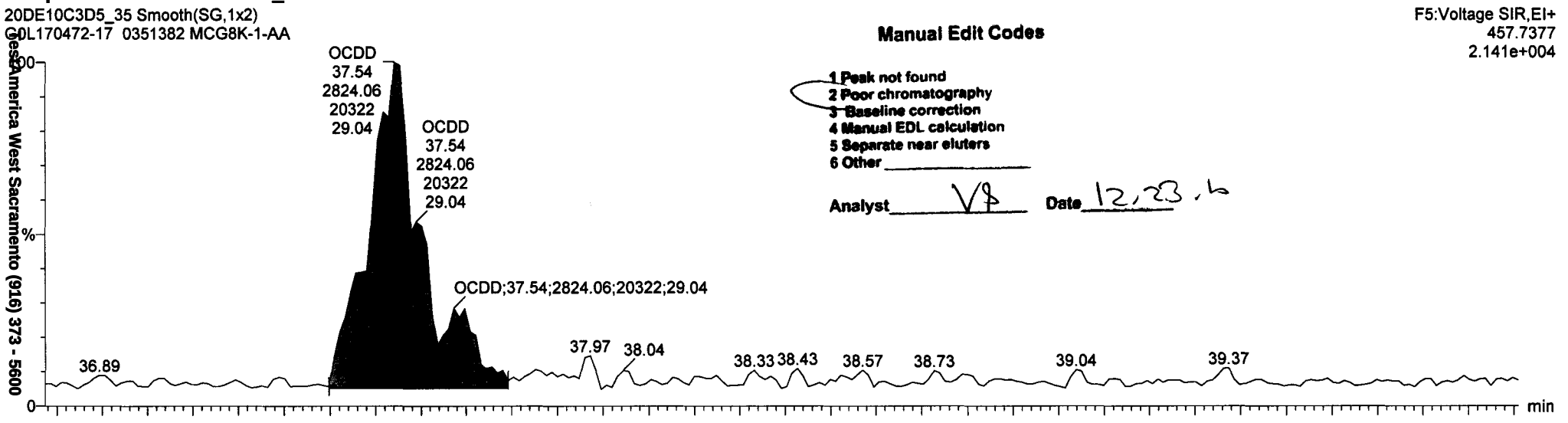
Dataset: \\sacsvr01\Instrument_Data\ATG\3D5\JAN2010.PRO\20DE10C3D5TO9Hvg.qld

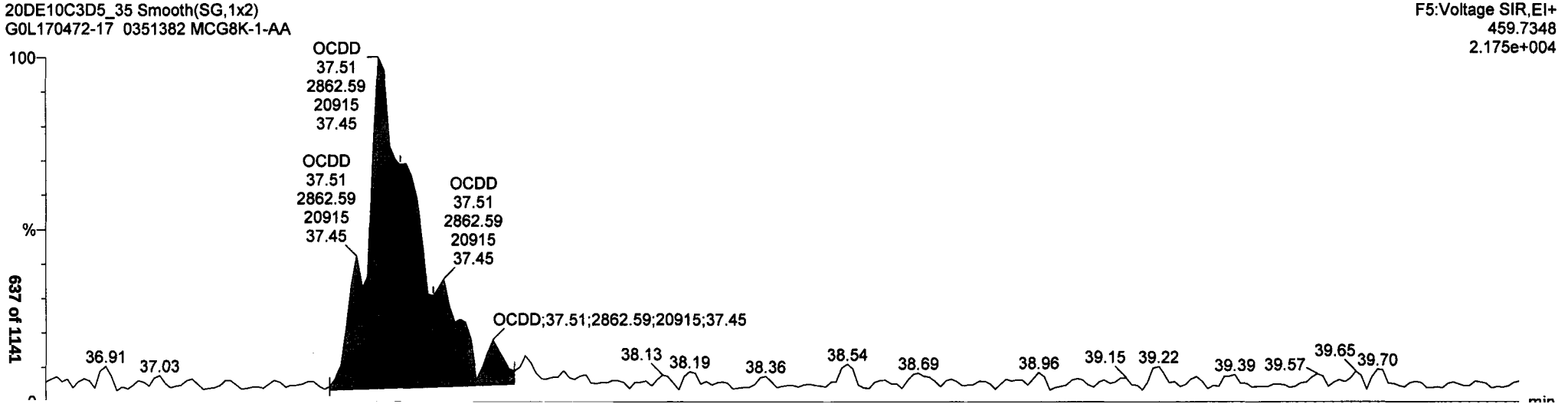
Last Altered: Thursday, December 23, 2010 08:44:15 Pacific Standard Time
Printed: Thursday, December 23, 2010 08:45:26 Pacific Standard Time

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: OCDD, Chrom. Trace: 457.7377

Sample Name: 20DE10C3D5_35





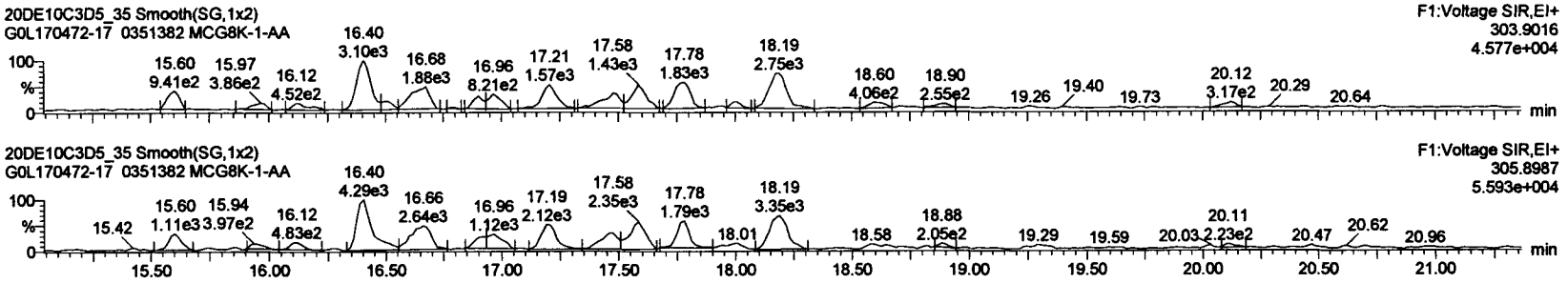
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

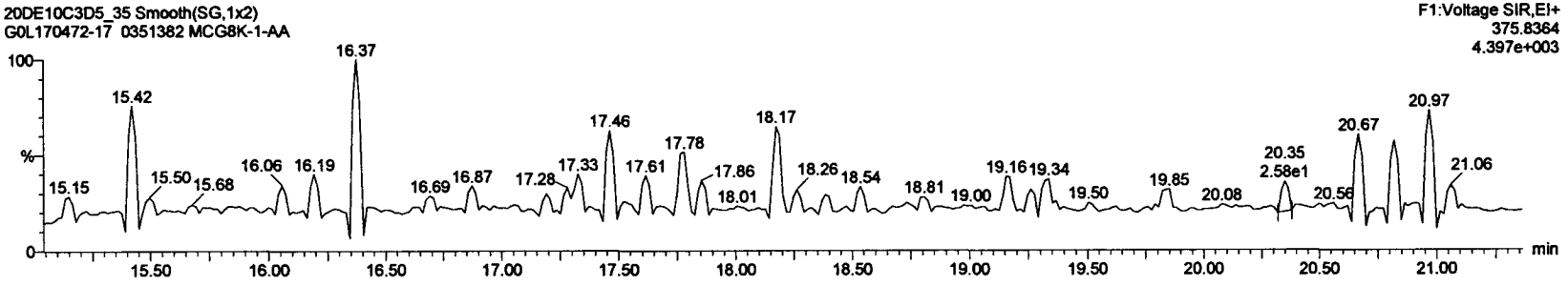
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

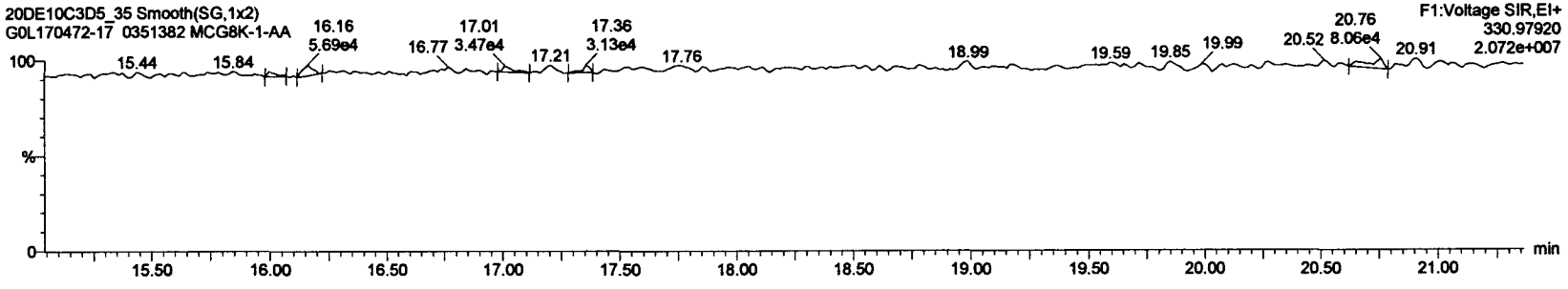
TCDFs



TCDF PCDPE



Function 1 PFK



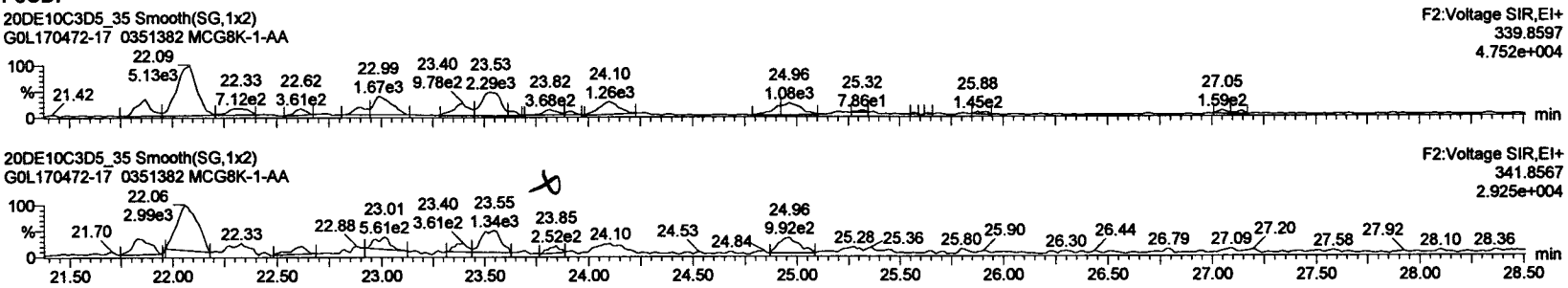
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

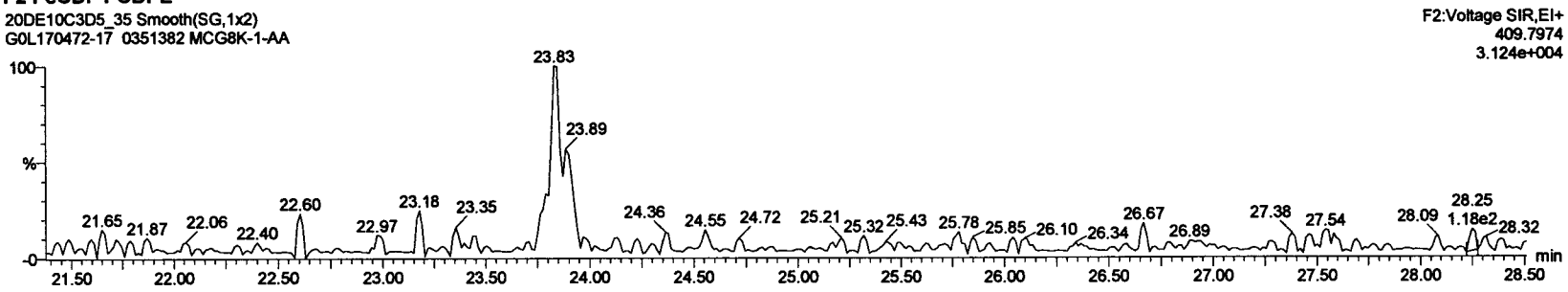
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

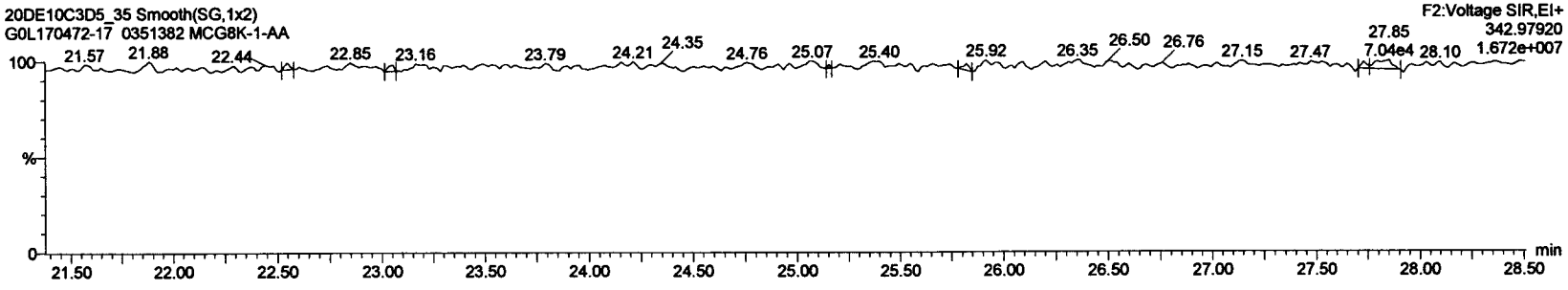
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



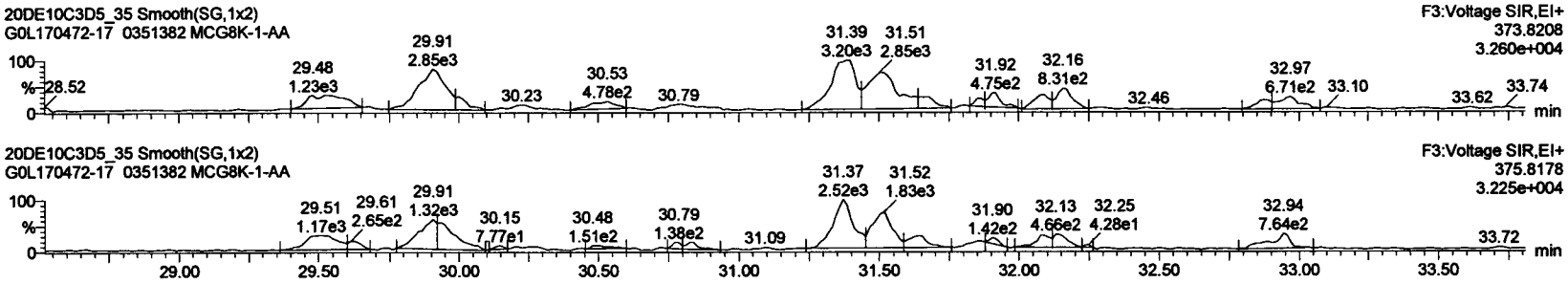
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

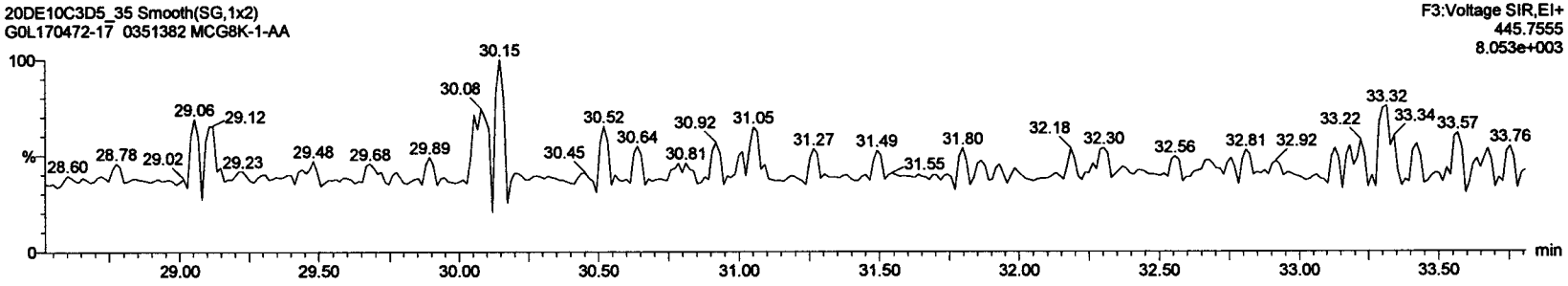
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

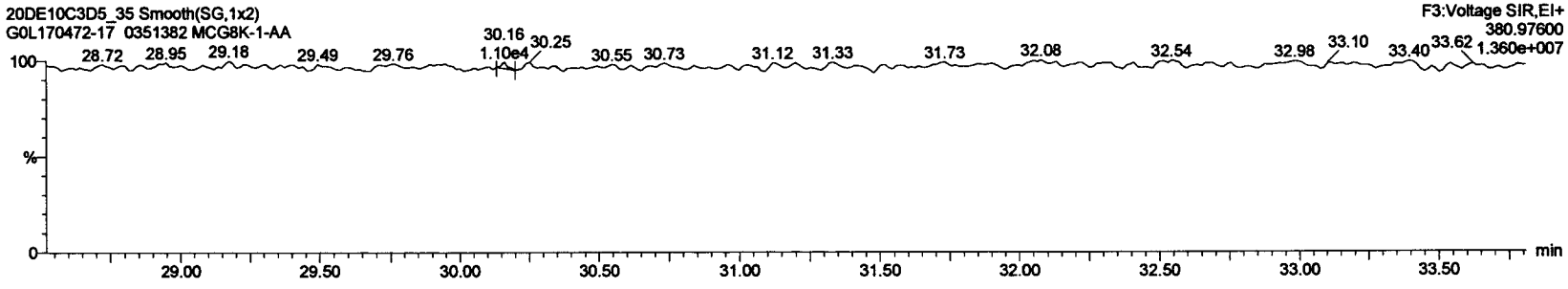
HxCDFs



HxCDF PCDPE



Function 3 PFK



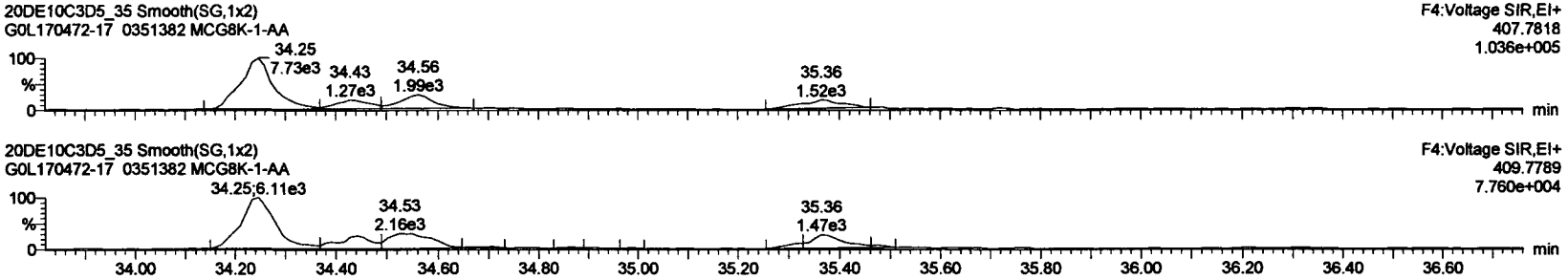
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

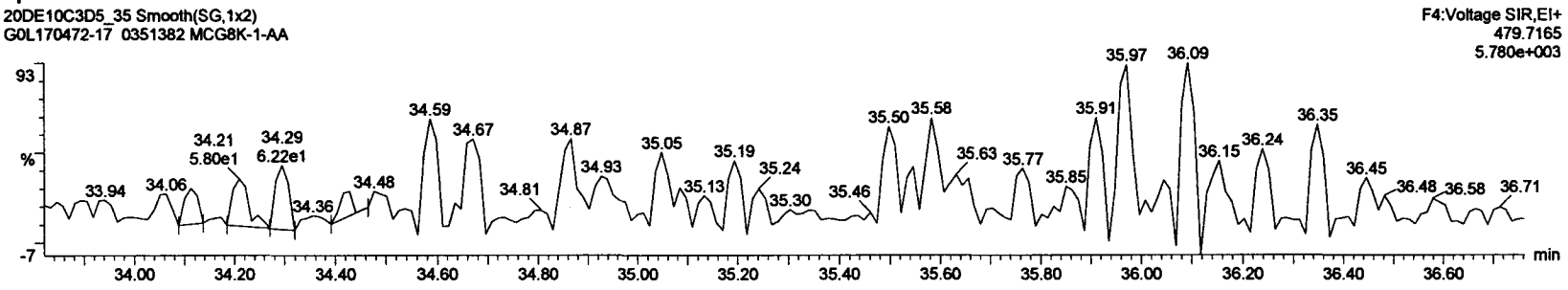
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

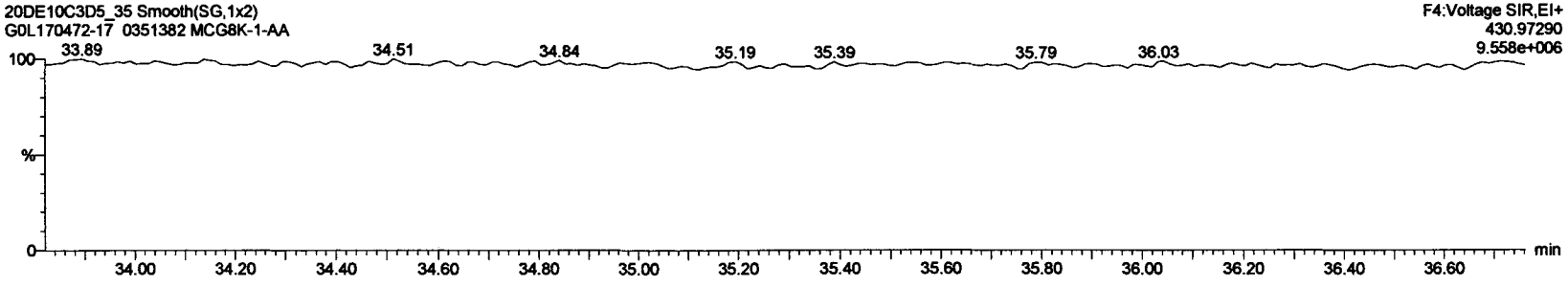
HpCDFs



HpCDF PCDPE



Function 4 PFK



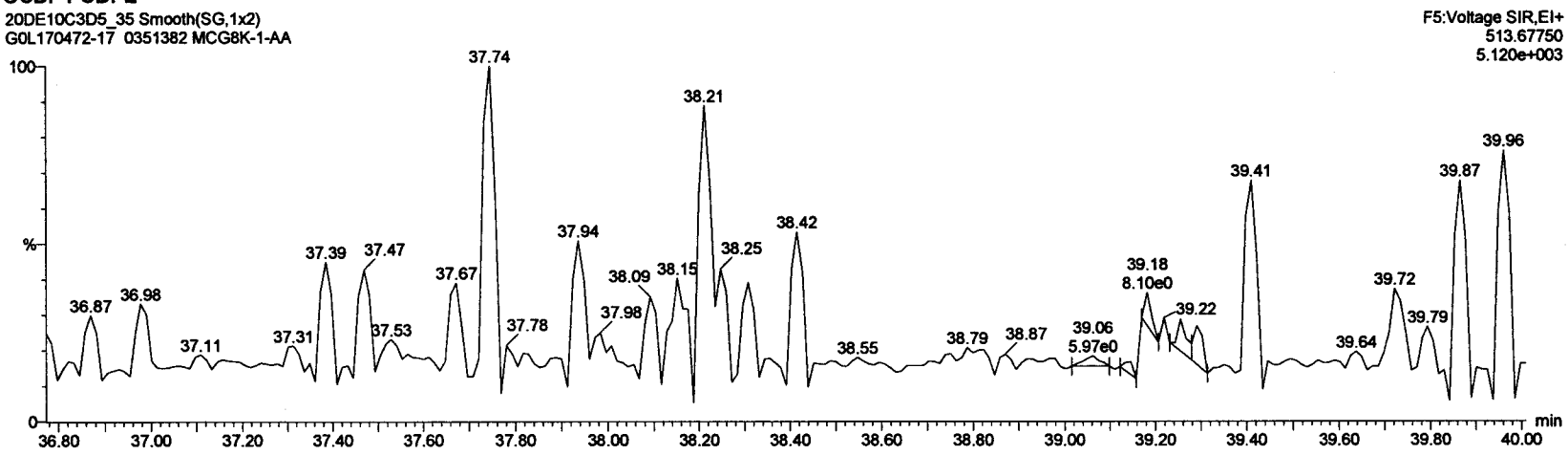
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

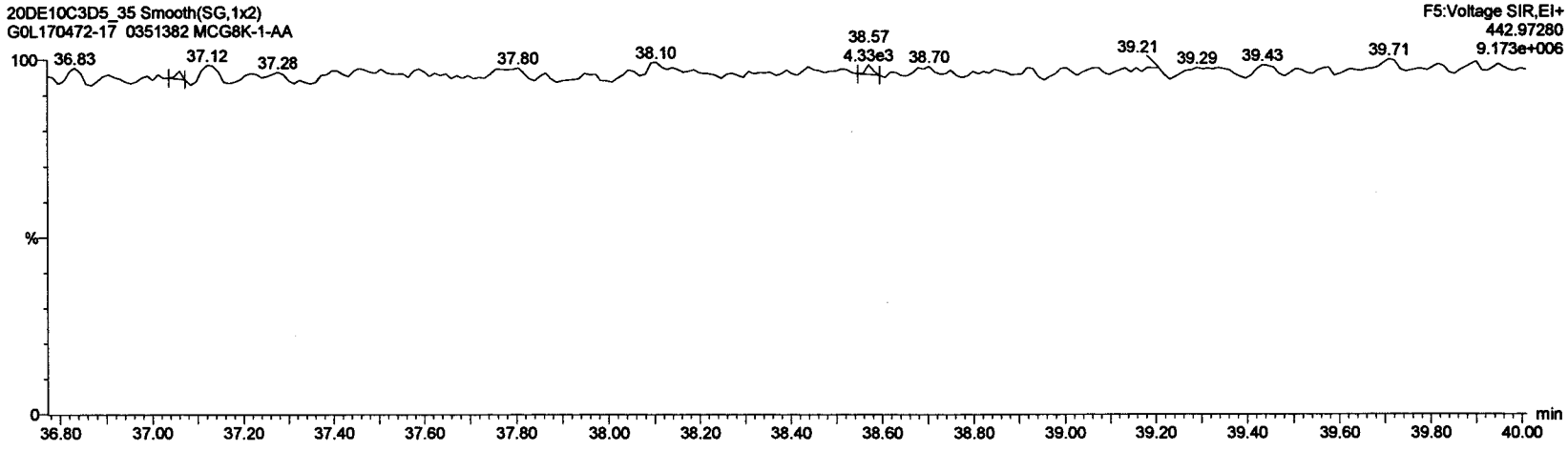
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_35, Date: 21-Dec-2010, Time: 18:11:14, ID: MCG8K-1-AA, Description: G0L170472-17 0351382

OCDF PCDPE



Function 5 PFK



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID T09 **Associated ICAL** ICAL020103D5T09

Column ID DB5 **Instrument ID** 3D5

STD ID ST1220G, ST1220H **STD Solution** 10DXN505

Analyzed by A.M. **Date Analyzed** 12/21/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** 12/21/10

Std. Pkg. Reviewed By AS **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\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:55:10 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_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	Mod 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												

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:55:10 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

#	Name	Response	RT	Pred.RT	RRF Mn	RRF	Conc	%Dev	%Rec	Mod D	Ratio	Ratio Flag
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
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...							

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:43:35 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_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

	Name		RT							
1	13C-1,2,3,4-TCDD	3075521	18.69	18.69	1.00000	1.00000	100.00	0.0	100.0	0.759	NO
2											
3	13C-2,3,7,8-TCDF	4209968	18.13	18.17	1.32993	1.36886	102.93	2.9	102.9	0.790	NO
4	2,3,7,8-TCDF	378767	18.16	18.14	0.97151	0.89969	9.26	-7.4	92.6	0.757	NO
5	Total TCDFs			21.44	0.97151		9.26				
6											
7	13C-2,3,7,8-TCDD	2898127	18.88	18.89	0.88993	0.94232	105.89	5.9	105.9	0.737	NO
8	2,3,7,8-TCDD	284574	18.91	18.91	1.00877	0.98192	9.73	-2.7	97.3	0.811	NO
9	Total TCDDs			19.55	1.00877		9.73				
10											
11	37CL-2,3,7,8-TCDD	193184	18.90	18.89	0.64940	0.66658	10.26	2.6	102.6		
12											
13	13C-1,2,3,7,8-PeCDF	3304210	23.50	23.53	0.97070	1.07436	110.68	10.7	110.7	1.591	NO
14	1,2,3,7,8-PeCDF	1714228	23.53	23.53	1.06912	1.03760	48.53	-2.9	97.1	1.554	NO
15	2,3,4,7,8-PeCDF	1616464	24.95	24.95	1.02843	0.97843	47.57	-4.9	95.1	1.511	NO
16	Total F2 PeCDFs			34.47	1.04877		96.10				
17	Total F1 PeCDFs			36.56	1.04877						
18											
19	13C-1,2,3,7,8-PeCDD	2454649	25.70	25.74	0.71523	0.79812	111.59	11.6	111.6	1.508	NO
20	1,2,3,7,8-PeCDD	1044835	25.73	25.73	0.88408	0.85131	48.15	-3.7	96.3	1.561	NO
21	Total PeCDDs			31.10	0.88408		48.15				
22											
23	13C-1,2,3,7,8,9-HxCDD	2128638	32.68	32.74	1.00000	1.00000	100.00	0.0	100.0	1.344	NO
24											
25	13C-1,2,3,4,7,8-HxCDF	2350745	31.36	31.36	1.08439	1.10434	101.84	1.8	101.8	0.521	NO
26	1,2,3,4,7,8-HxCDF	1298005	31.37	31.38	1.21851	1.10433	45.31	-9.4	90.6	1.236	NO
27	1,2,3,6,7,8-HxCDF	1507225	31.51	31.51	1.39626	1.28234	45.92	-8.2	91.8	1.267	NO
28	2,3,4,6,7,8-HxCDF	1338361	32.16	32.15	1.23749	1.13867	46.01	-8.0	92.0	1.235	NO
29	1,2,3,7,8,9-HxCDF	1158288	32.88	32.86	1.07822	0.98546	45.70	-8.6	91.4	1.212	NO
30	Total HxCDFs			0.00	1.23262		182.94				
31											
32	13C-1,2,3,6,7,8-HxCDD	2237869	32.38	32.38	0.89448	1.05132	117.53	17.5	117.5	1.309	NO
33	1,2,3,4,7,8-HxCDD	926786	32.32	32.32	1.02768	0.82828	40.30	-19.4	80.6	1.211	NO
34	1,2,3,6,7,8-HxCDD	1185214	32.40	32.40	1.11052	1.05923	47.69	-4.6	95.4	1.281	NO
35	1,2,3,7,8,9-HxCDD	1093548	32.69	32.69	1.11276	0.97731	43.91	-12.2	87.8	1.299	NO
36	Total HxCDDs			0.00	1.08365		131.90				
37											
38	13C-1,2,3,4,6,7,8-HpCDF	1921424	34.22	34.20	0.88081	0.90265	102.48	2.5	102.5	0.457	NO
39	1,2,3,4,6,7,8-HpCDF	1280909	34.23	34.23	1.40167	1.33329	47.56	-4.9	95.1	1.077	NO
40	1,2,3,4,7,8,9-HpCDF	1037498	35.36	35.34	1.19912	1.07993	45.03	-9.9	90.1	1.003	NO
41	Total HpCDFs			0.00	1.30039		92.59				
42											
43	13C-1,2,3,4,6,7,8-HpCDD	1752007	35.05	35.01	0.85740	0.82307	96.00	-4.0	96.0	1.075	NO
44	1,2,3,4,6,7,8-HpCDD	841236	35.05	35.06	0.98108	0.96031	48.94	-2.1	97.9	1.043	NO
45	Total HpCDDs			-0.02	0.98108		49.85				

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:43:35 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

#	Name	Response	RT	Prev RT	RRF	M...	RRF	Conc	%Dev	%Rec	Mod D...	Ratio	Ratio Flag
47	13C-OCDD	2707775	37.50	37.44	0.64317		0.63603	197.78	-1.1	98.9		0.924	NO
48	OCDF	1895917	37.61	37.61	1.47706		1.40035	94.81	-5.2	94.8		0.890	NO
49	OCDD	1551314	37.52	37.52	1.19620		1.14582	95.79	-4.2	95.8		0.890	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	21	20.24	20.25	17.814...		21.491...	1.21	20.6	120.6			
58	F1 PeCDF PCDPE	70	19.38	19.31	97.109...		69.929...	0.72	-28.0	72.0			
59	F2 PeCDF PCDPE	188	28.37	28.29	51.062...		188.23...	3.69	268.6	368.6			
60	HXCDF PCDPE			33.24	21.190...								
61	HPCDF PCDPE			34.27	39.173...								
62	OCDF PCDPE	73	39.06	39.16	27.302...		73.402...	2.69	168.8	268.8			

	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	G0L190000-26BF 0353026	MCKFP-1-AAB	0023A/Air	42	0.500000	Samp
5	20DE10C3D5_5	G0L190000-26BX 0353026	MCKFP-1-AEB	0023A/Air	42	0.500000	Samp
6	20DE10C3D5_6	G0L190000-26C 0353026	MCKFP-1-ACC	0023A/Air	42	0.500000	Samp
7	20DE10C3D5_7	G0L190000-26L 0353026	MCKFP-1-ADL	0023A/Air	42	0.500000	Samp
8	20DE10C3D5_8	G0L150000-402C 0349402	MCEK8-1-ACC	TO9/Air	41	0.500000	Samp
9	20DE10C3D5_9	G0L150000-402L 0349402	MCEK8-1-ADL	TO9/Air	41	0.500000	Samp
10	20DE10C3D5_10	G0L170668-1 0353026	MCJTP-1-AA	0023A/Air	42	0.500000	Samp
11	20DE10C3D5_11	G0L170668-2 0353026	MCJTQ-1-AA	0023A/Air	42	0.500000	Samp
12	20DE10C3D5_12	G0L170668-3 0353026	MCJTR-1-AA	0023A/Air	42	0.500000	Samp
13	20DE10C3D5_13	G0L170668-4 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	G0L170000-382B 0351382	MCJNK-1-AAB	TO9/Air	42	0.500000	Samp
18	20DE10C3D5_18	G0L170000-382C 0351382	MCJNK-1-ACC	TO9/Air	42	0.500000	Samp
19	20DE10C3D5_19	G0L170000-382L 0351382	MCJNK-1-ADL	TO9/Air	42	0.500000	Samp
20	20DE10C3D5_20	G0L170668-5 0353026	MCJTV-1-AA	0023A/Air	42	0.500000	Samp
21	20DE10C3D5_21	G0L170668-6 0353026	MCJTW-1-AA	0023A/Air	42	0.500000	Samp
22	20DE10C3D5_22	G0L170668-7 0353026	MCJTX-1-AA	0023A/Air	42	0.500000	Samp
23	20DE10C3D5_23	G0L170668-8 0353026	MCJT0-1-AA	0023A/Air	42	0.500000	Samp
24	20DE10C3D5_24	G0L170668-9 0353026	MCJT1-1-AA	0023A/Air	42	0.500000	Samp
25	20DE10C3D5_25	G0L170668-10 0353026	MCJT2-1-AA	0023A/Air	42	0.500000	Samp
26	20DE10C3D5_26	G0L170472-2 0351382	MCG64-1-AA	TO9/Air	42	0.500000	Samp
27	20DE10C3D5_27	G0L170472-6 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	G0L150491-1MB 0350409	MCGE7-1-AA	8290/Solid	41	10.000000	g
32	20DE10C3D5_32	G0L170472-8 0351382	MCG7N-1-AA	TO9/Air	42	0.500000	Samp
33	20DE10C3D5_33	G0L170472-10 0351382	MCG7W-1-AA	TO9/Air	42	0.500000	Samp
34	20DE10C3D5_34	G0L170472-13 0351382	MCG77-1-AA	TO9/Air	42	0.500000	Samp
35	20DE10C3D5_35	G0L170472-17 0351382	MCG8K-1-AA	TO9/Air	42	0.500000	Samp
36	20DE10C3D5_36	G0L150491-1 0350409	MCD1N-1-AA	8290/Solid	41	10.000000	g
37	20DE10C3D5_37	G0L150491-2 0350409	MCD1R-1-AA	8290/Solid	41	10.000000	g
38	20DE10C3D5_38	G0L150491-3 0350409	MCD1T-1-AA	8290/Solid	41	10.000000	g
39	20DE10C3D5_39	G0L150491-4 0350409	MCD1V-1-AA	8290/Solid	41	10.000000	g
40	20DE10C3D5_40	G0L150491-5 0350409	MCD1X-1-AA	8290/Solid	41	10.000000	g
41	20DE10C3D5_41	G0L150491-7 0350409	MCD2D-1-AA	8290/Solid	41	10.000000	g
42	20DE10C3D5_42	G0L150491-1LCS 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	G0L150549-1MB 0350431	MCGHC-1-AA	1613BT/Water	41	1.000000	L
46	20DE10C3D5_46	G0L150491-6 0350409	MCD17-1-AA	8290/Solid	41	10.000000	g
47	20DE10C3D5_47	G0L150491-6S 0350409	MCD17-1-AD	8290/Solid	41	10.000000	g
48	20DE10C3D5_48	G0L150491-6D 0350409	MCD17-1-AE	8290/Solid	41	10.000000	g
49	20DE10C3D5_49	G0L140572-4 0350429	MCCWM-1-AA	8290T/Water	41	1.004480	L
50	20DE10C3D5_50	G0L140521-1 0349403	MCCH4-1-AA	TO9/Air	41	0.500000	Samp
51	20DE10C3D5_51	G0L140521-2 0349403	MCCH7-1-AA	TO9/Air	41	0.500000	Samp
52	20DE10C3D5_52	G0L140521-3 0349403	MCCJA-1-AA	TO9/Air	41	0.500000	Samp
53	20DE10C3D5_53	G0L140521-4 0349403	MCCJD-1-AA	TO9/Air	41	0.500000	Samp
54	20DE10C3D5_54	G0L150549-1 0350431	MCEEK-1-AA	1613BT/Water	41	1.016090	L
55	20DE10C3D5_55	G0L150549-1LCS 0350431	MCGHC-1-AC	1613BT/Water	41	1.000000	L
56	20DE10C3D5_56	CS3 10DXN505	ST1220J	---	---	1.000000	---
57	20DE10C3D5_57	DB-5 CPSM 10LRES076	CP1220F	---	---	1.000000	---

reviewed to #29 by MA 12/21/1

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
Tray01:1	—	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	—	—	—
Tray01:25	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:26	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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
Tray01:41	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:42	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:43	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:44	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:45	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:46	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:36	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	—	—	—	—	—	—
Tray01:37	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:49	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:50	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:51	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:52	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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
Tray01:47	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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	—	—	—	—	—	—

ConG	Process	Process Options	Action On Error
100	---	---	---
100	---	---	---
---	---	---	---
2000	---	---	---
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---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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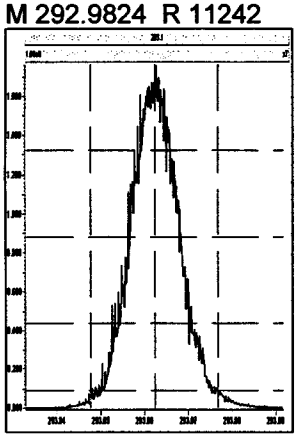
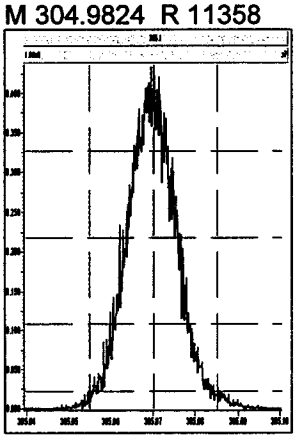
Printed: Tuesday, December 21, 2010 03:39:27 Pacific Standard Time

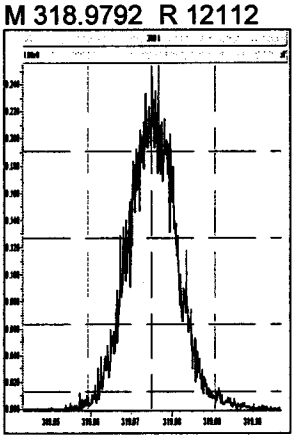
M 292.9824 R 11242



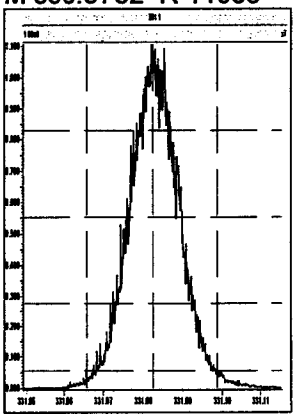
M 304.9824 R 11358



M 318.9792 R 12112



M 330.9792 R 11038



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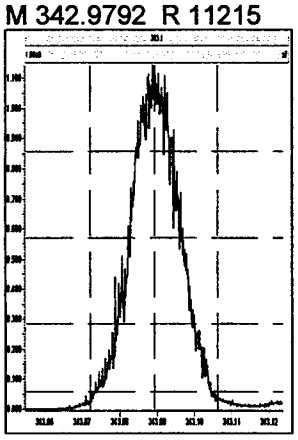
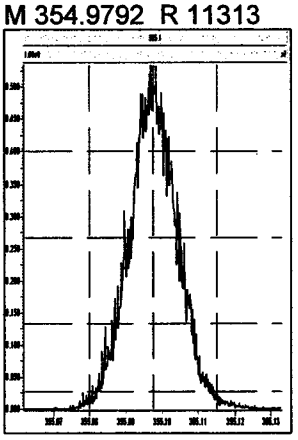
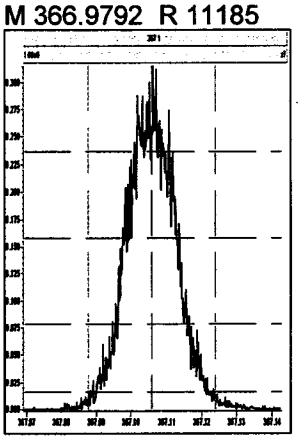


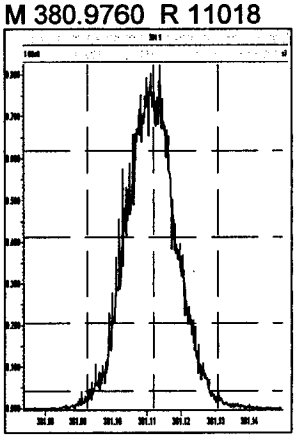
M 354.9792 R 11313



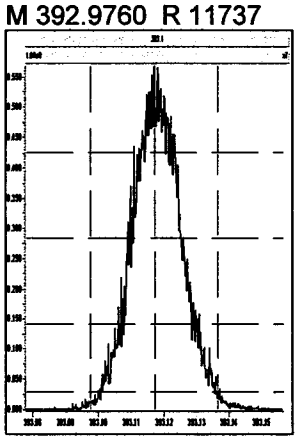
M 366.9792 R 11185



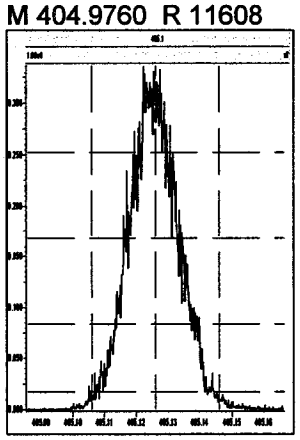
M 380.9760 R 11018



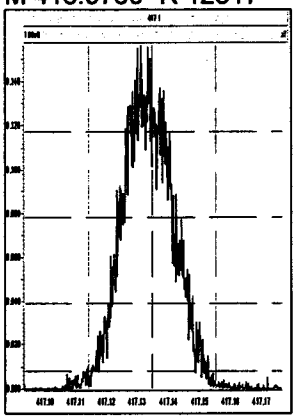
M 392.9760 R 11737



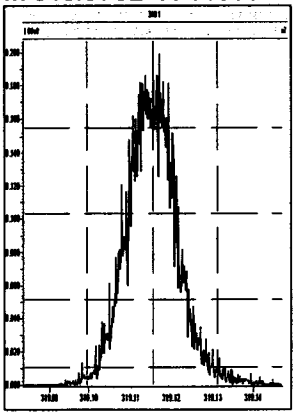
M 404.9760 R 11608



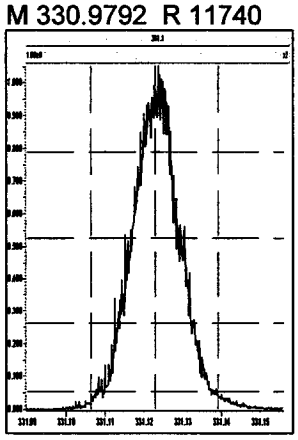
M 416.9760 R 12317



M 318.9792 R 11636



M 330.9792 R 11740



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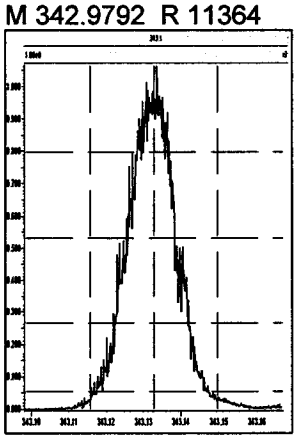
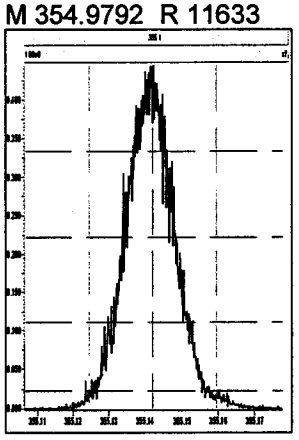
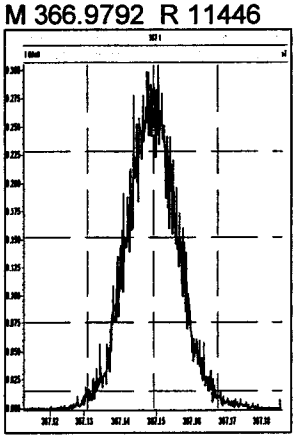


M 354.9792 R 11633



M 366.9792 R 11446



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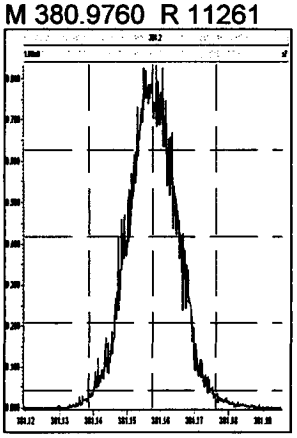

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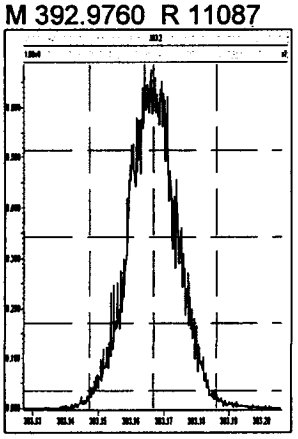

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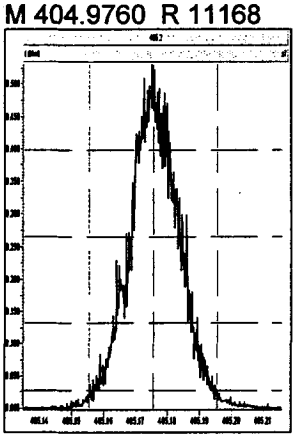
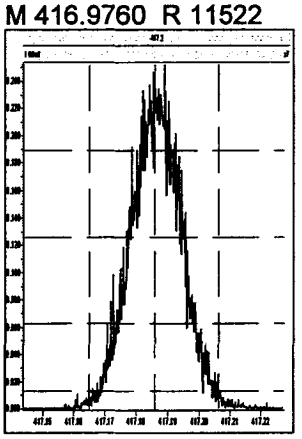


M 416.9760 R 11522



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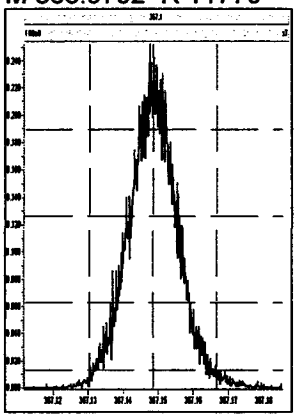

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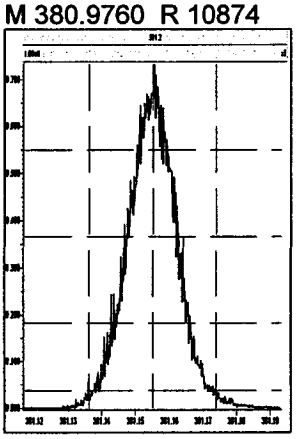

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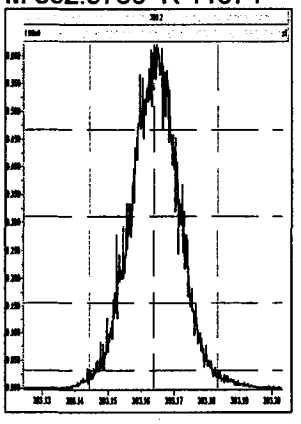

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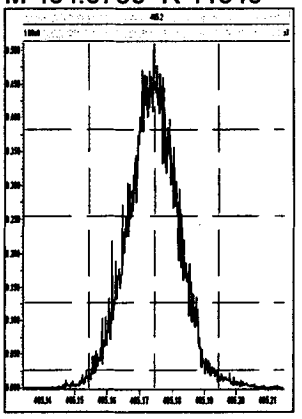

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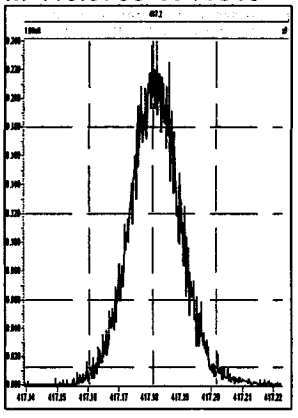

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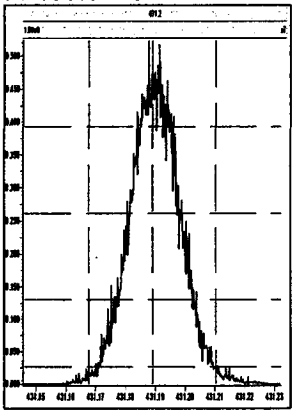
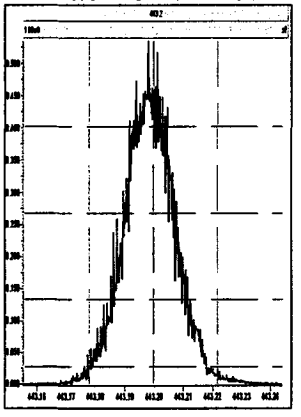
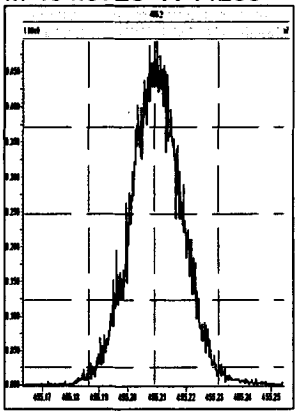


M 442.9728 R 10965



M 454.9728 R 11269



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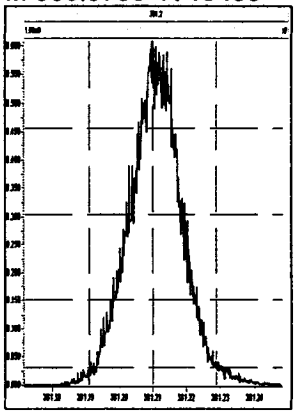

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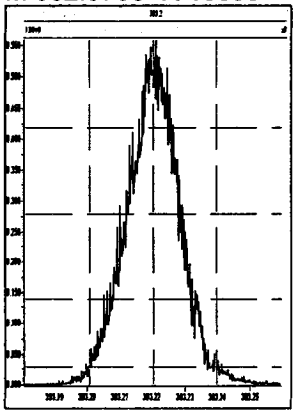

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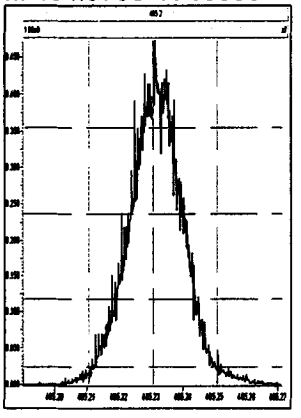

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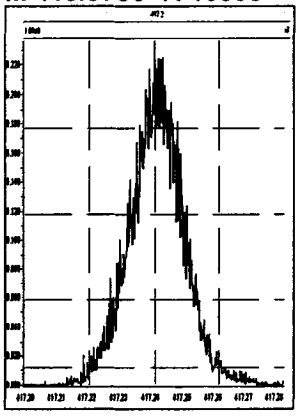

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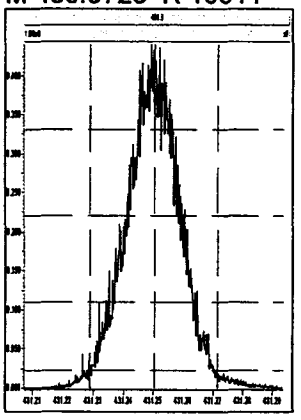

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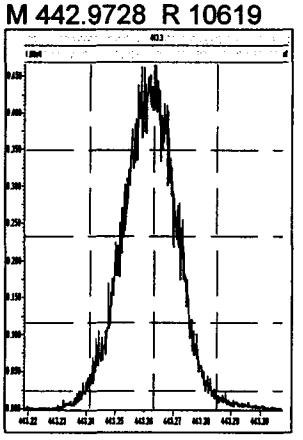

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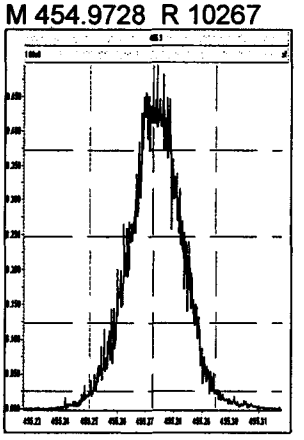

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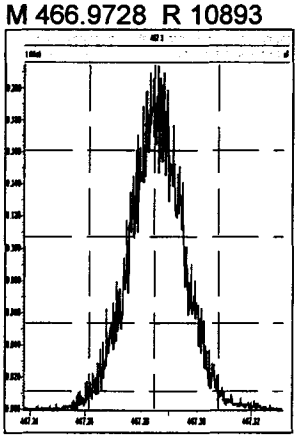

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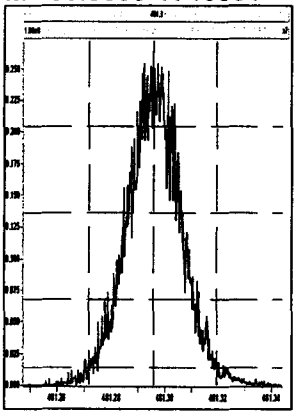

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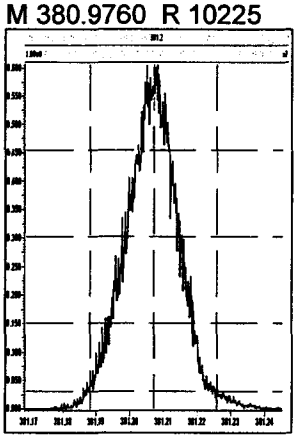

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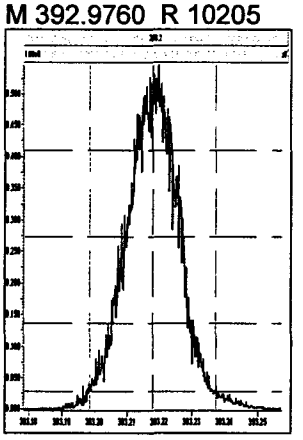
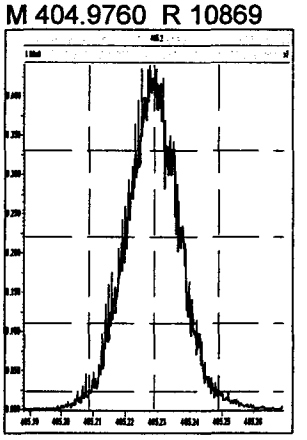
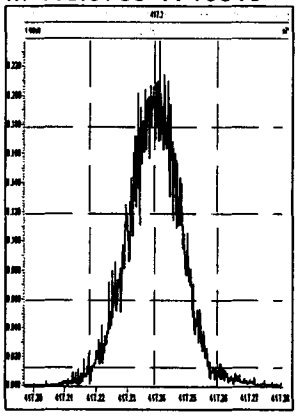


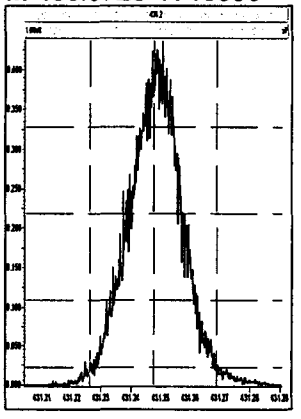
M 404.9760 R 10869



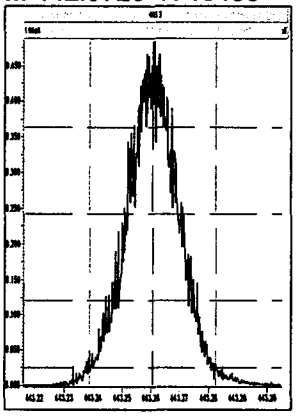
M 416.9760 R 10619



M 430.9728 R 10660



M 442.9728 R 10485



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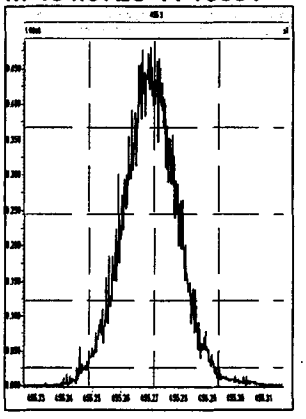

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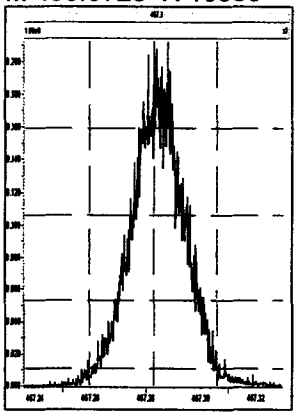
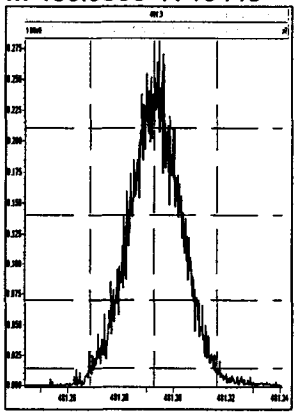


M 480.9696 R 10440



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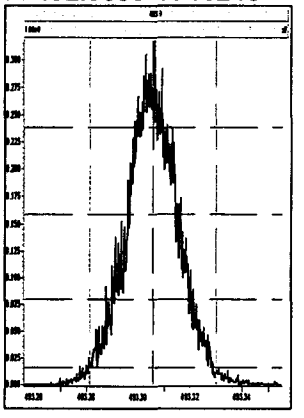

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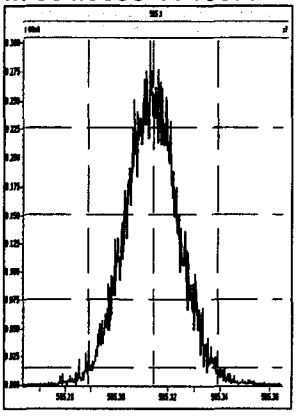

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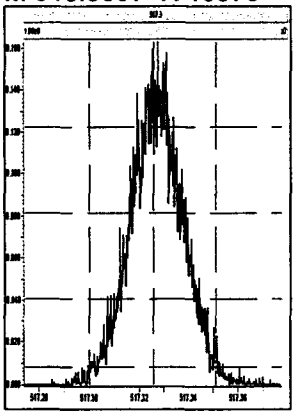

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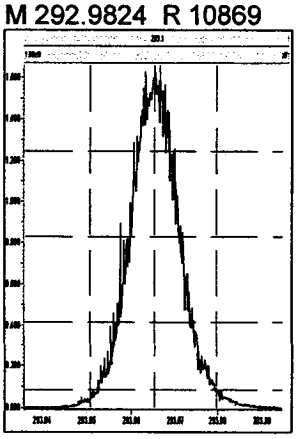
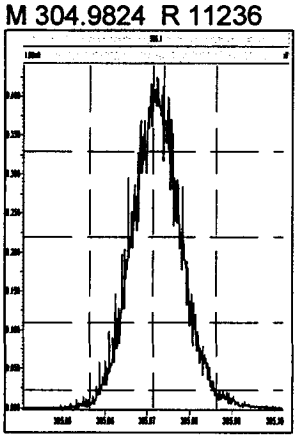
M 292.9824 R 10869



M 304.9824 R 11236



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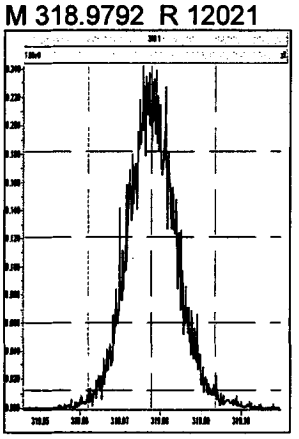
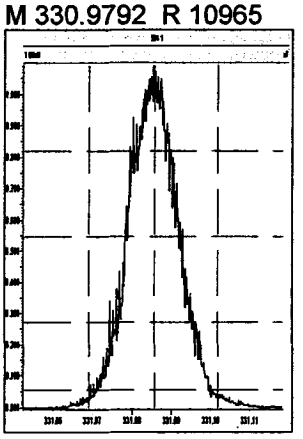


M 330.9792 R 10965



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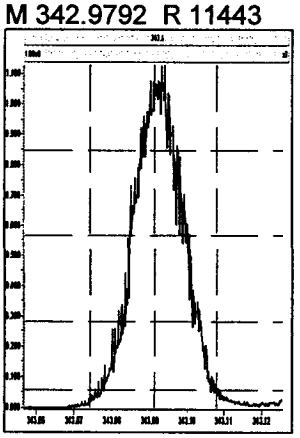

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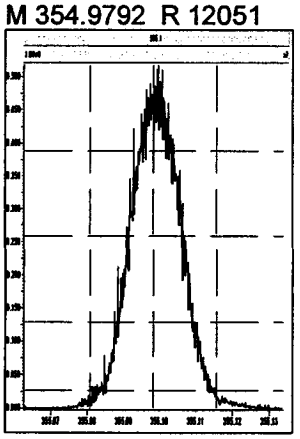

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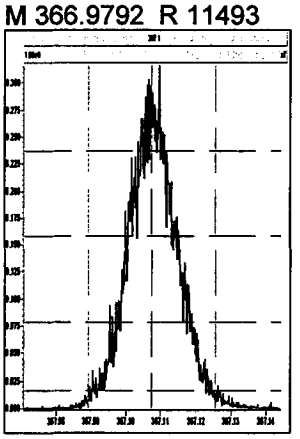
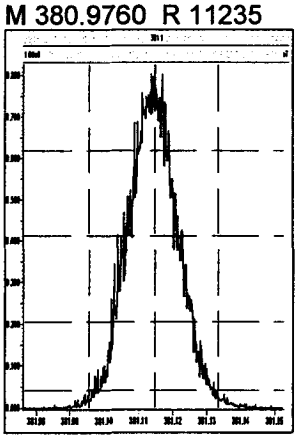


M 380.9760 R 11235



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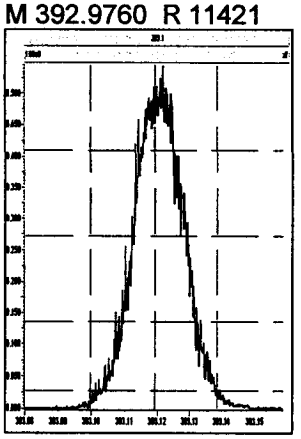
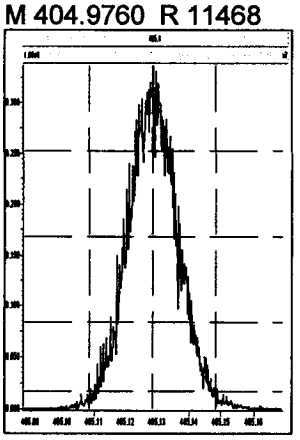


M 404.9760 R 11468



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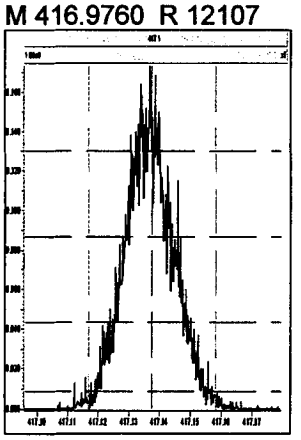
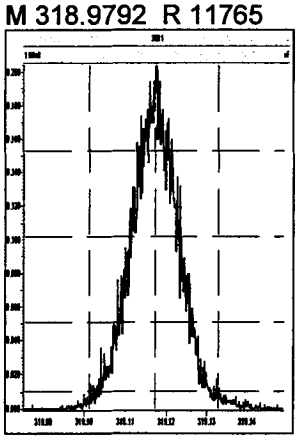


M 318.9792 R 11765



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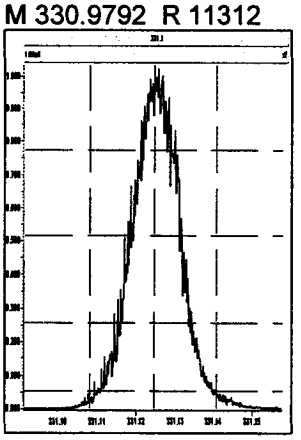

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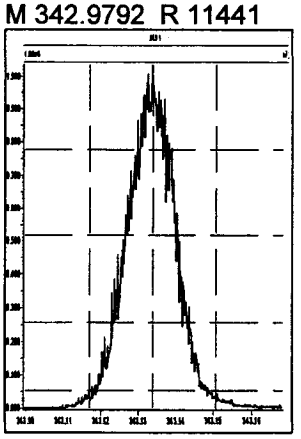

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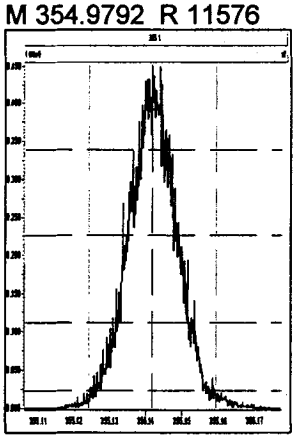

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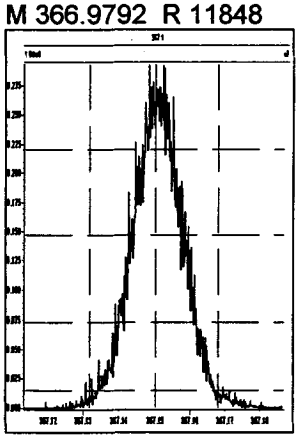
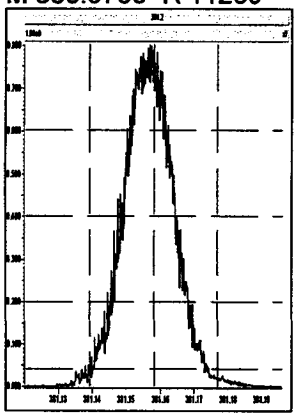


M 380.9760 R 11289



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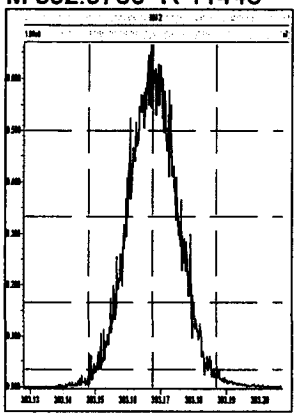

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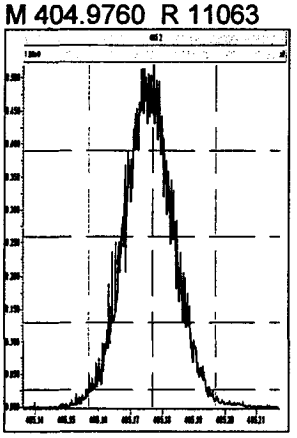

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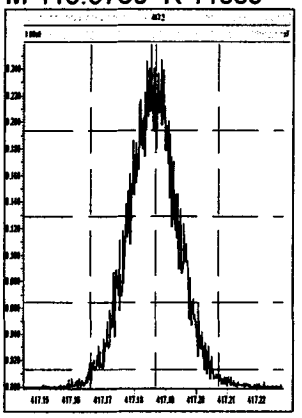

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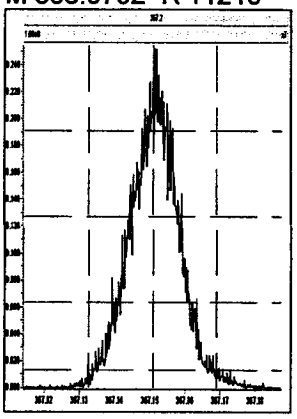

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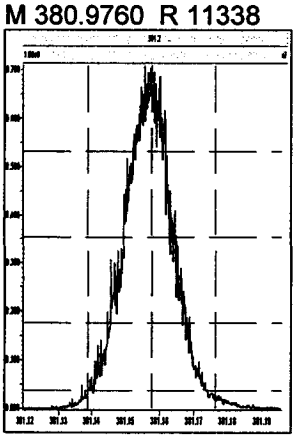

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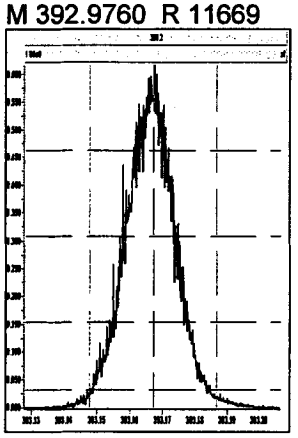

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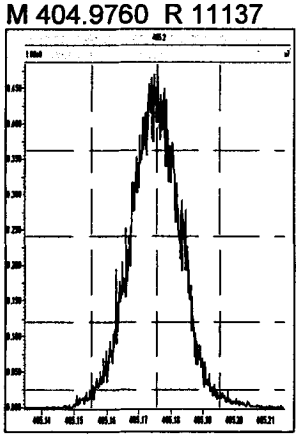

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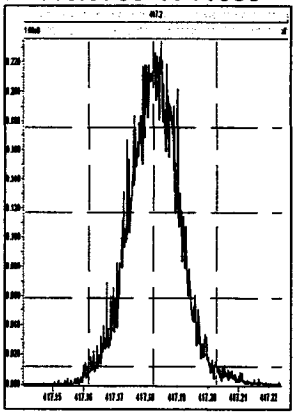

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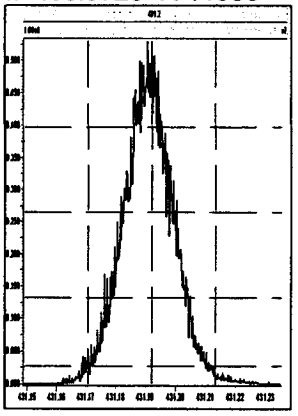
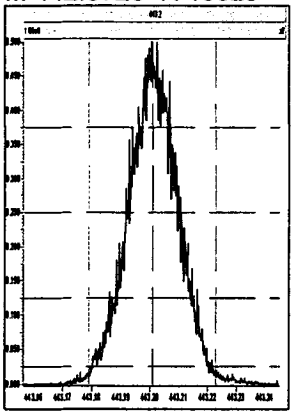


M 442.9728 R 10825



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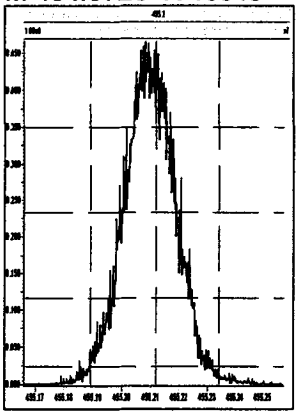

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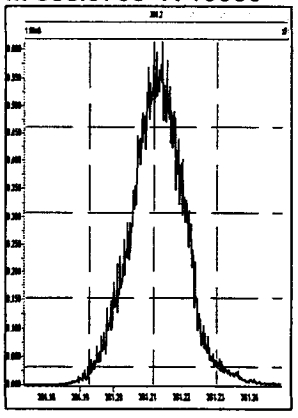

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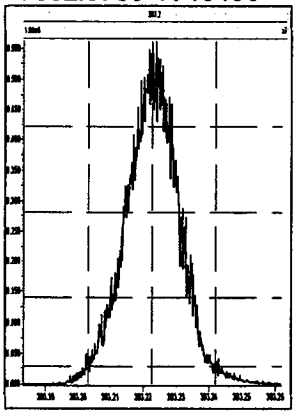
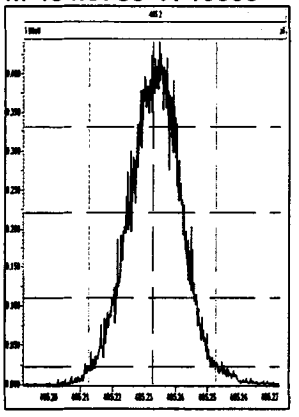


M 404.9760 R 10330



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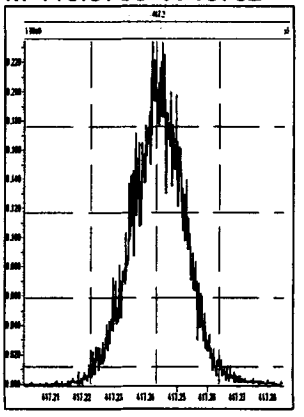
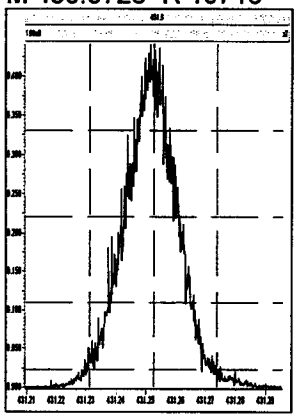
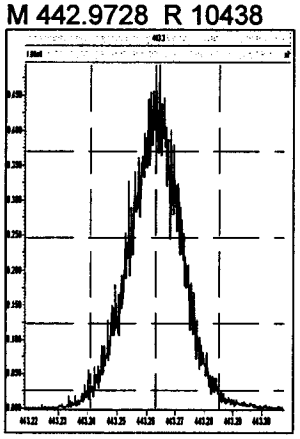


M 430.9728 R 10716



M 442.9728 R 10438



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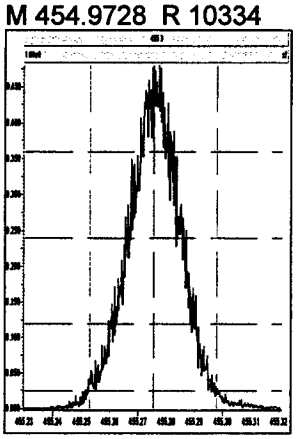
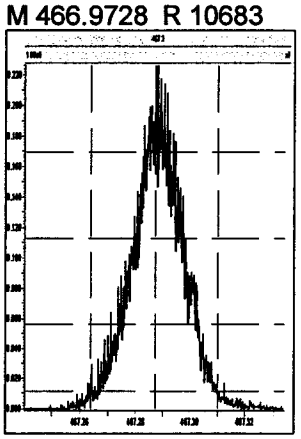
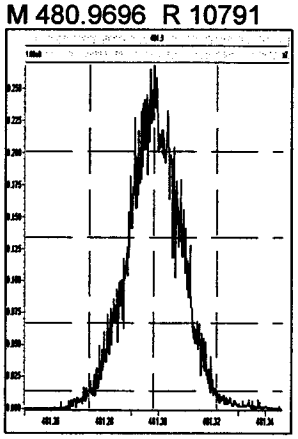


M 466.9728 R 10683



M 480.9696 R 10791



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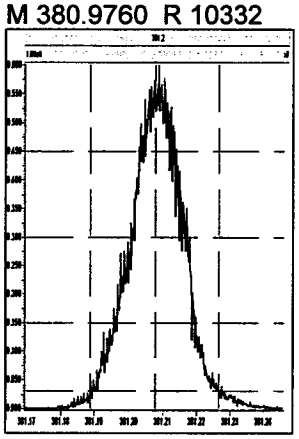

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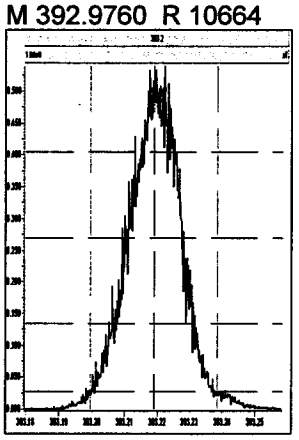
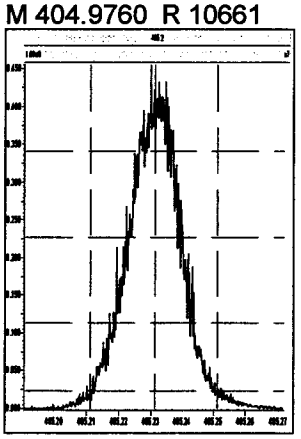


M 404.9760 R 10661



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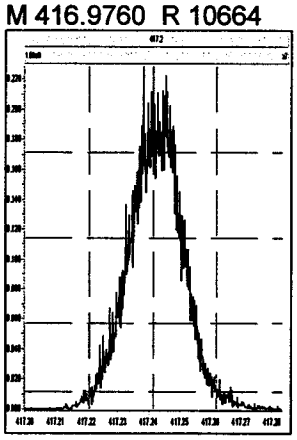

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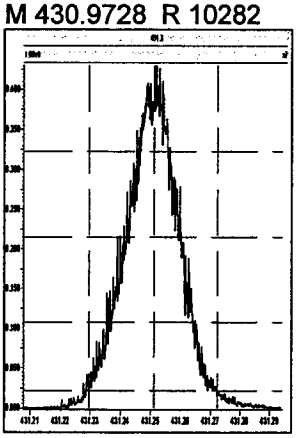

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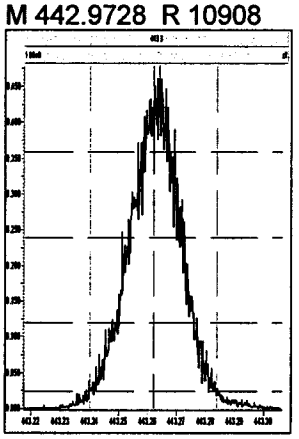

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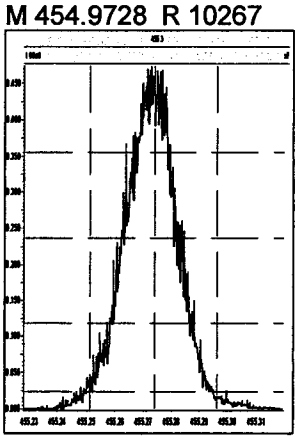

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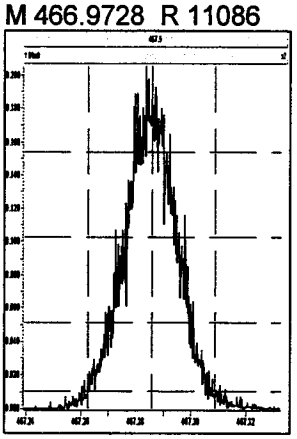

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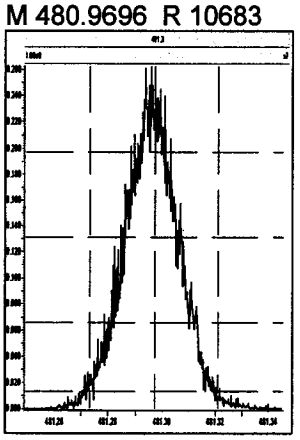

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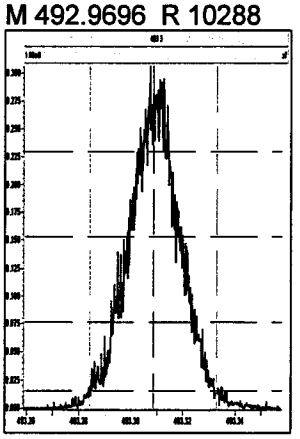

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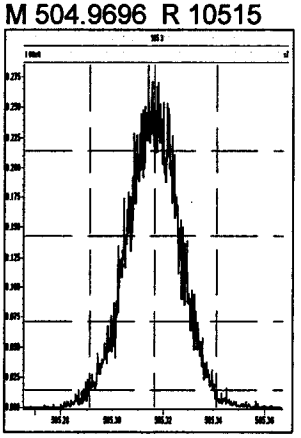
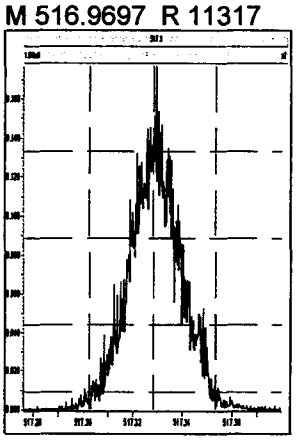


M 516.9697 R 11317



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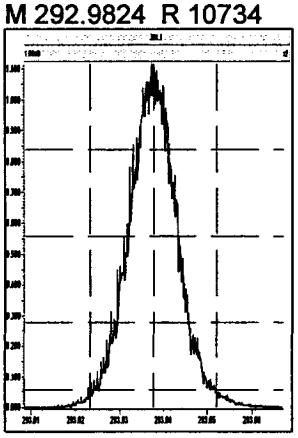
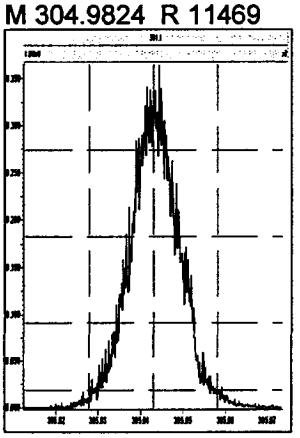
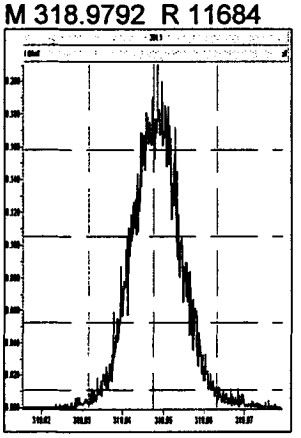
M 292.9824 R 10734



M 304.9824 R 11469



M 318.9792 R 11684



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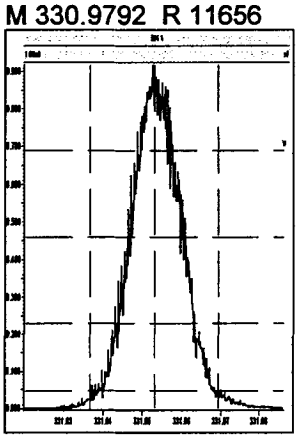
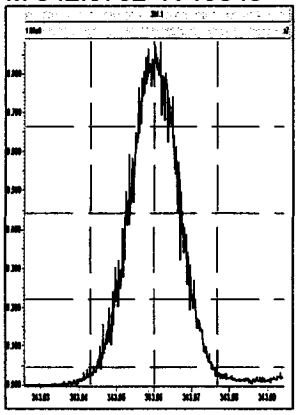
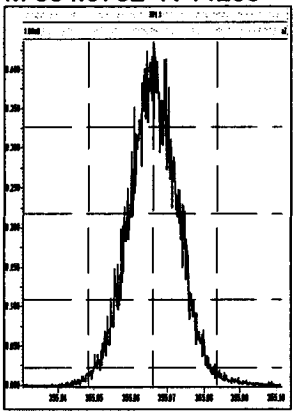


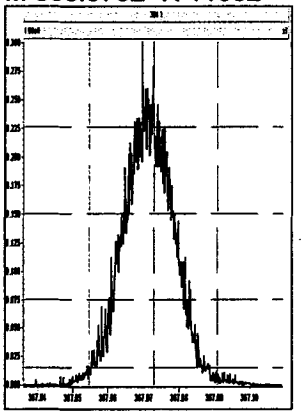
M 342.9792 R 10845



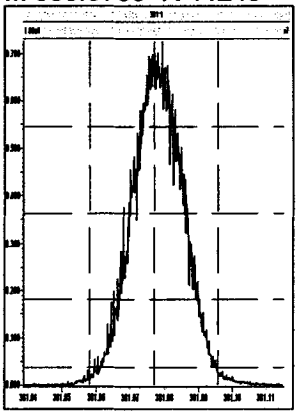
M 354.9792 R 11266



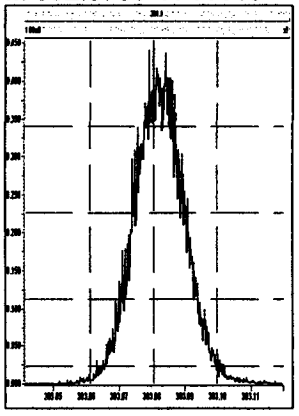
M 366.9792 R 11682



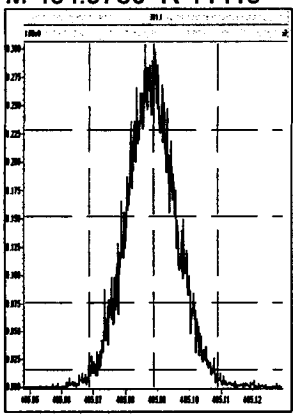
M 380.9760 R 11240



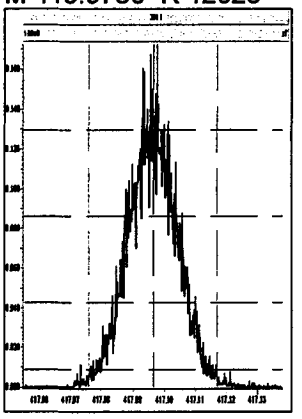
M 392.9760 R 11110



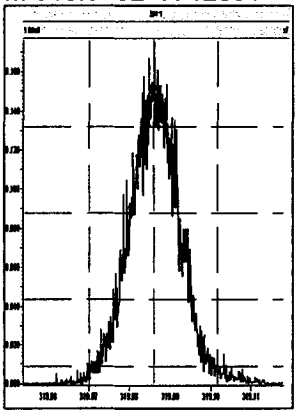
M 404.9760 R 11415



M 416.9760 R 12023



M 318.9792 R 12691



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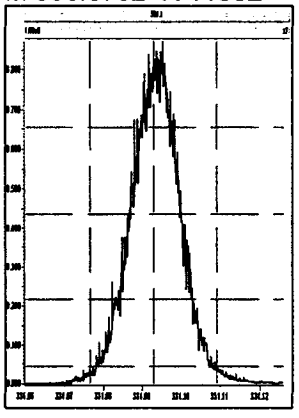

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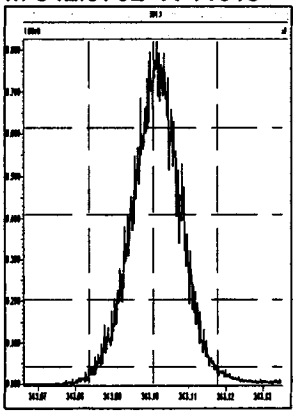

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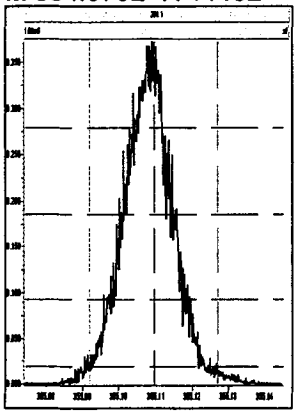

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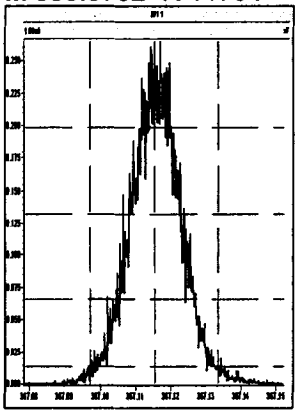

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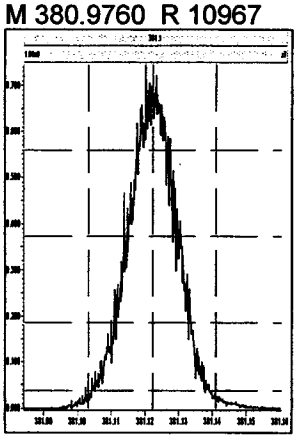

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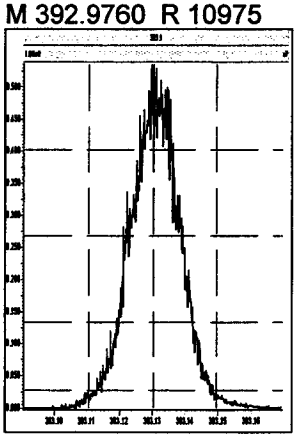

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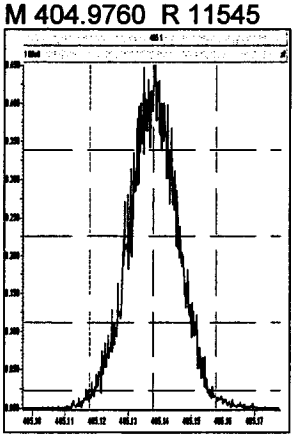

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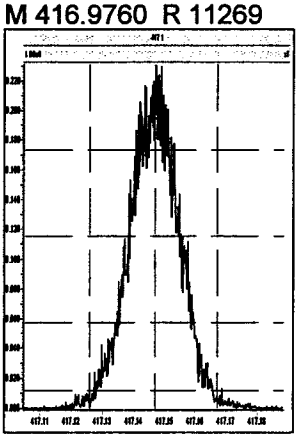

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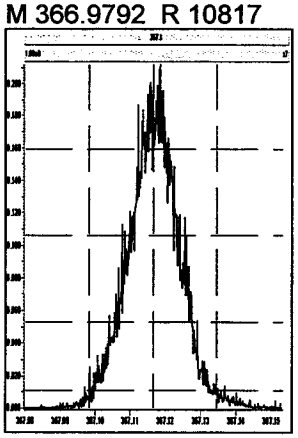

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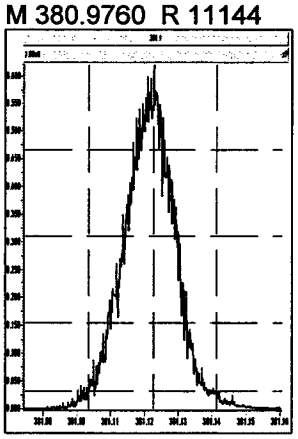
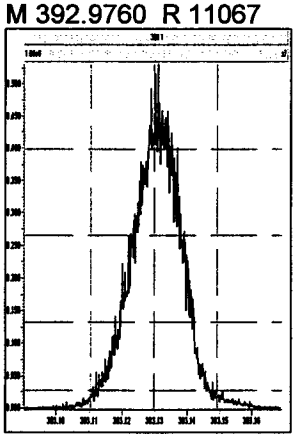


M 392.9760 R 11067



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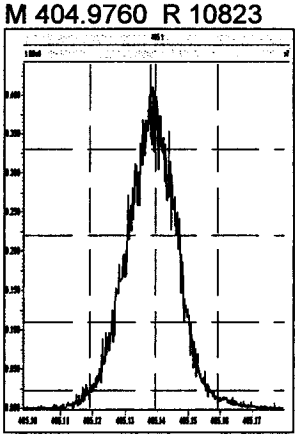

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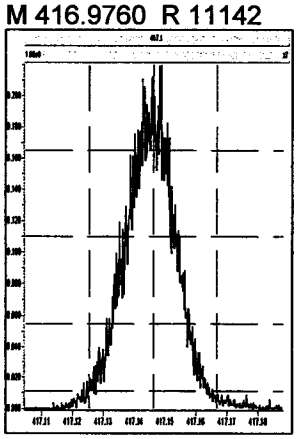

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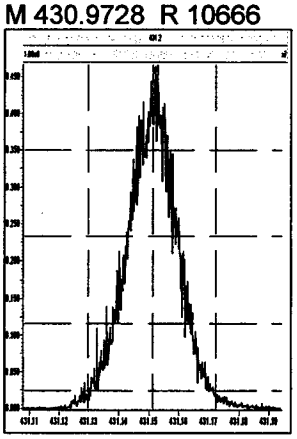
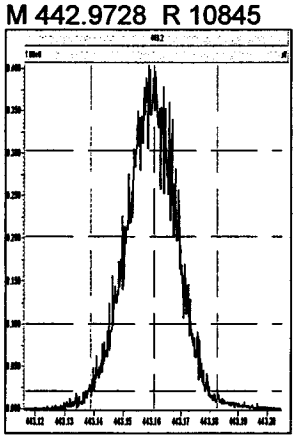
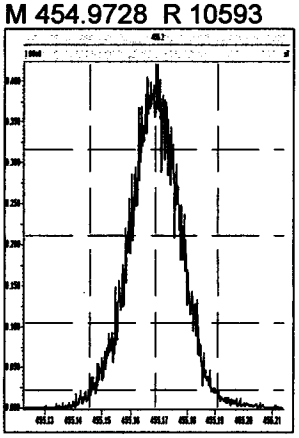


M 442.9728 R 10845



M 454.9728 R 10593



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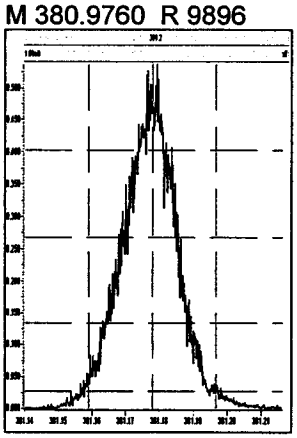

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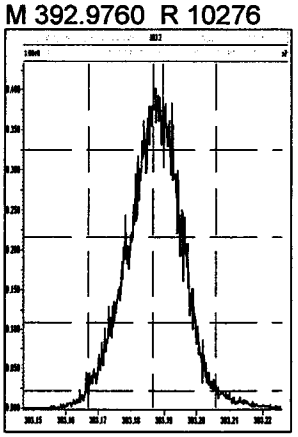

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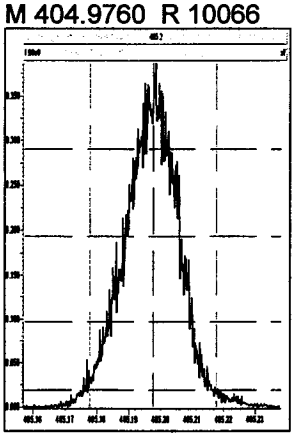
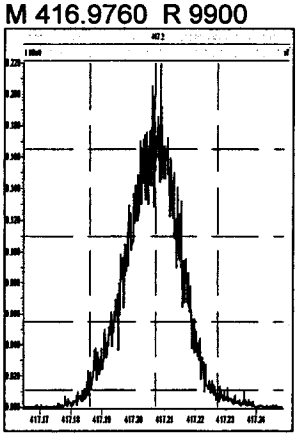


M 416.9760 R 9900



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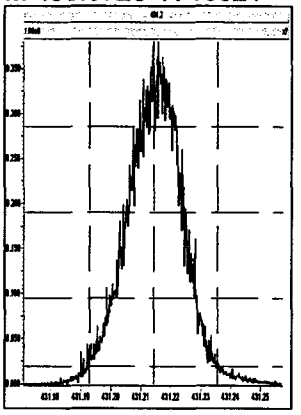

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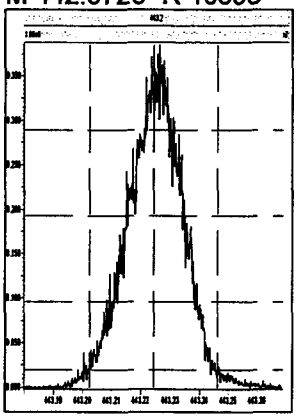

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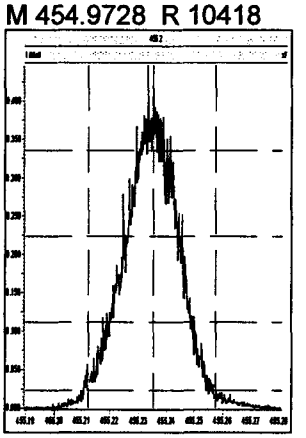

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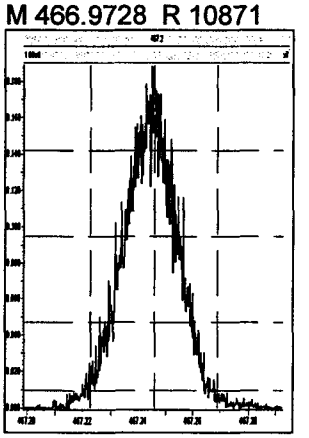

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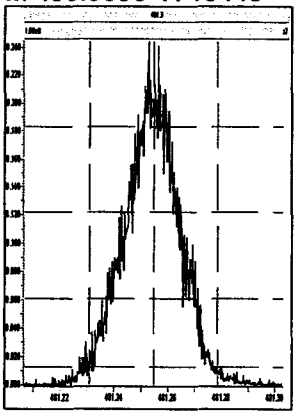

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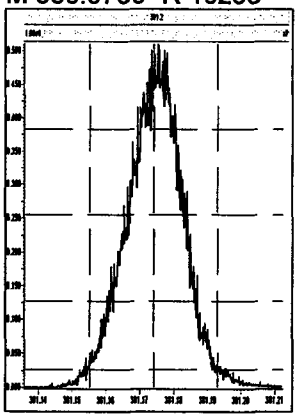
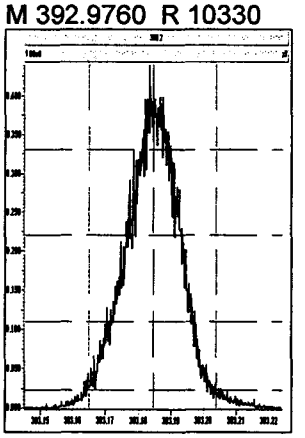
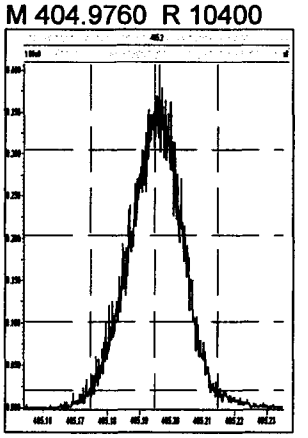


M 392.9760 R 10330



M 404.9760 R 10400



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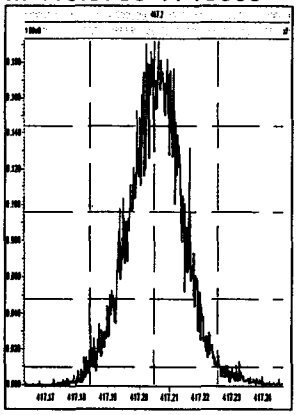
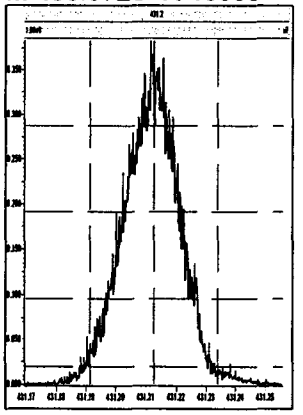


M 430.9728 R 10309



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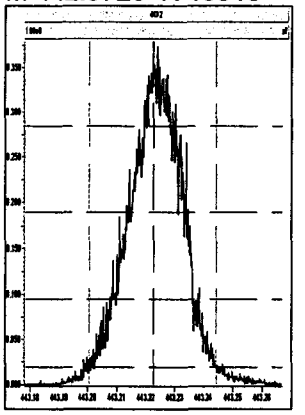

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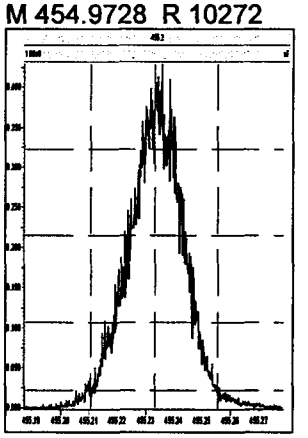

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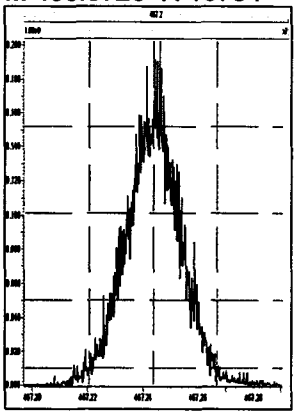
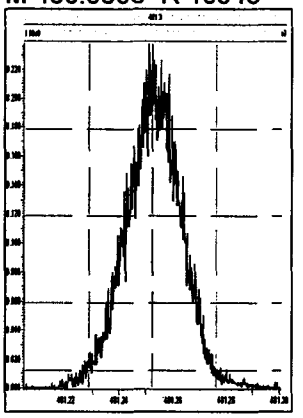
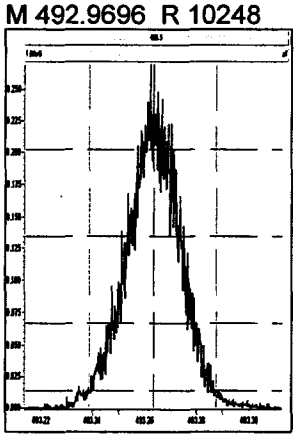


M 480.9696 R 10943



M 492.9696 R 10248



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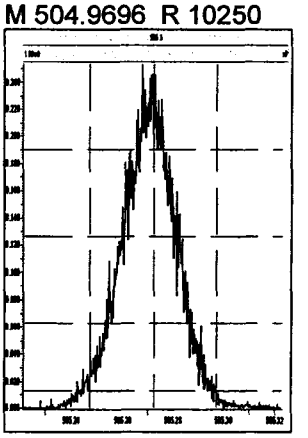

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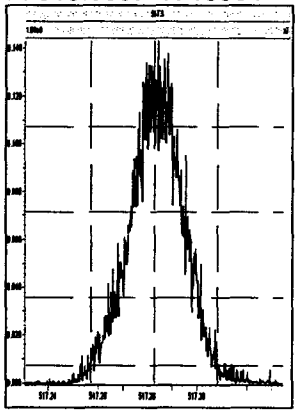

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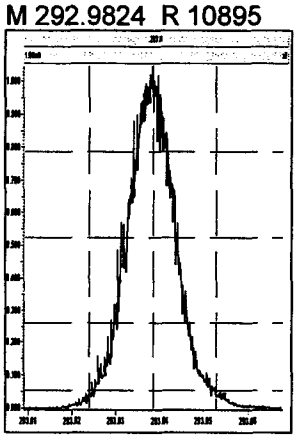

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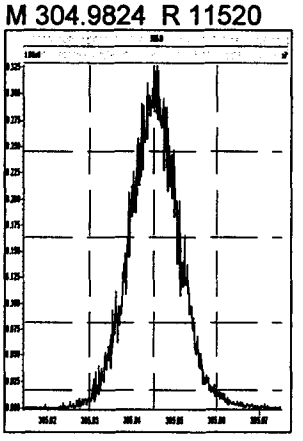

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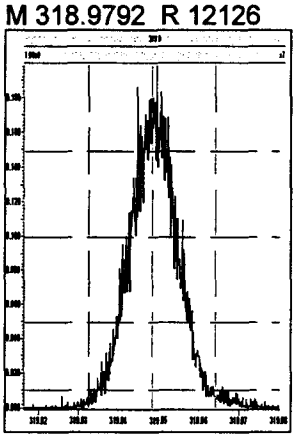

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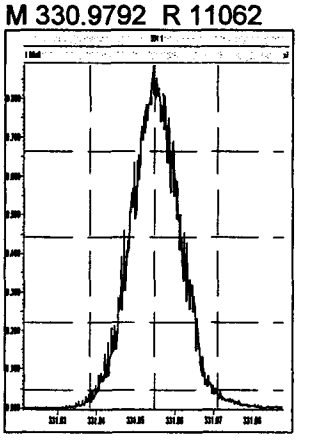
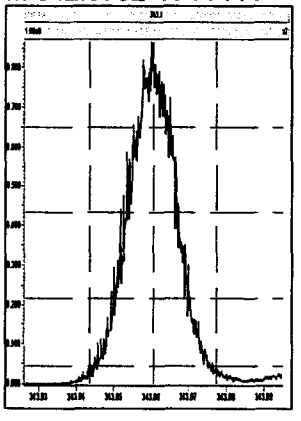


M 342.9792 R 11444



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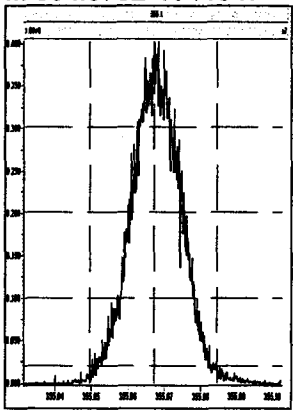

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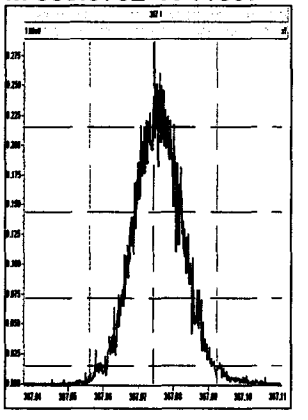
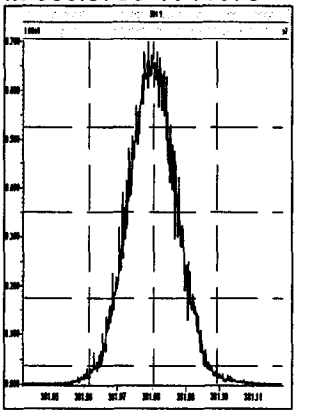


M 380.9760 R 11375



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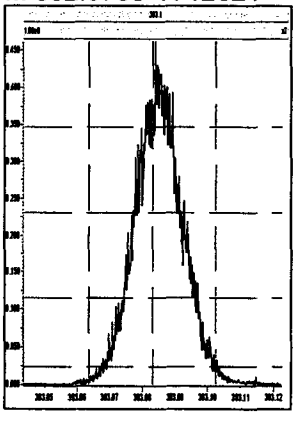
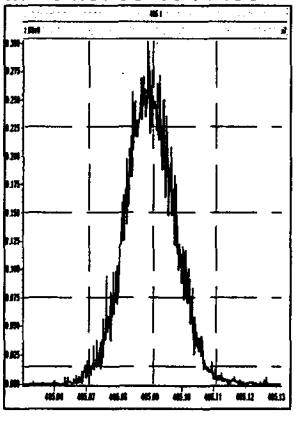


M 404.9760 R 11495



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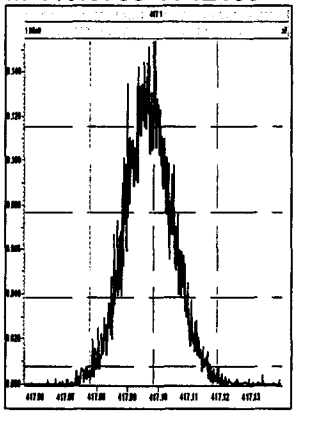

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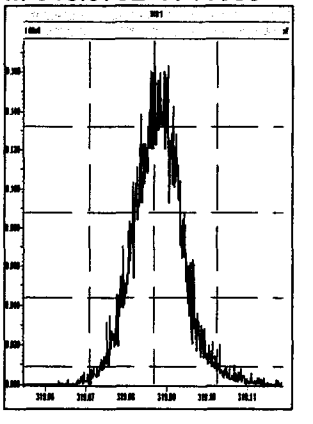

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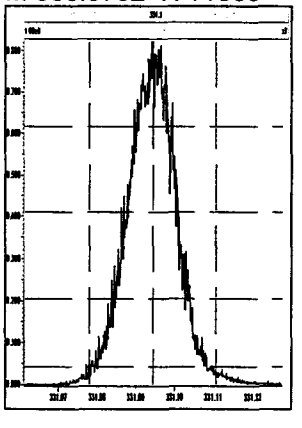

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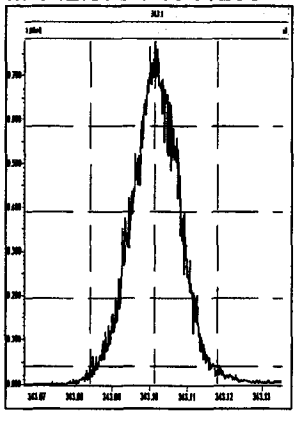

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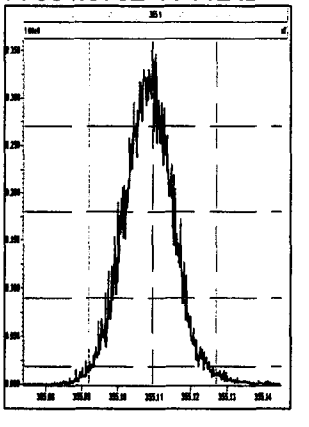

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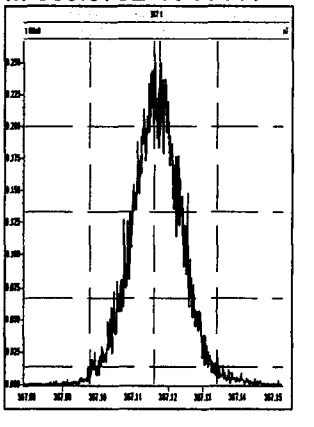

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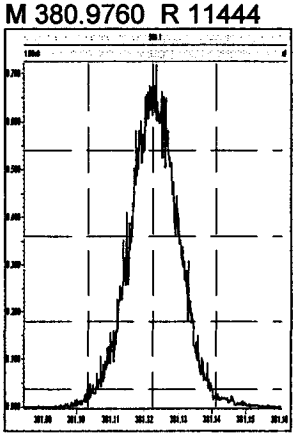
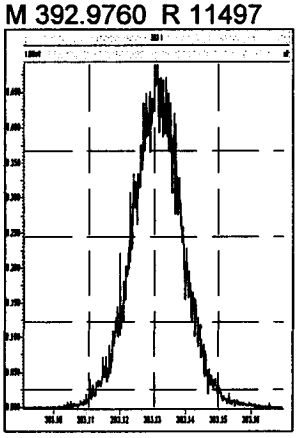


M 392.9760 R 11497



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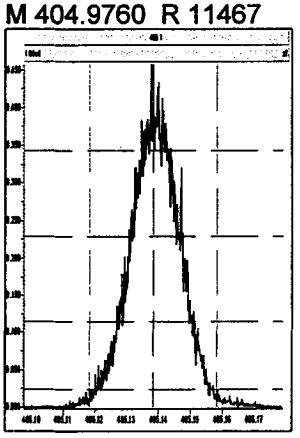

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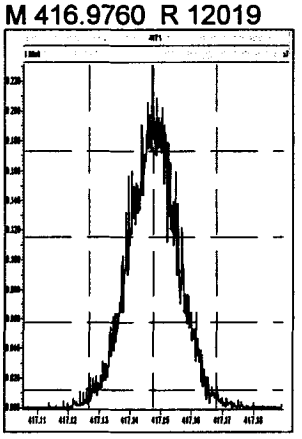

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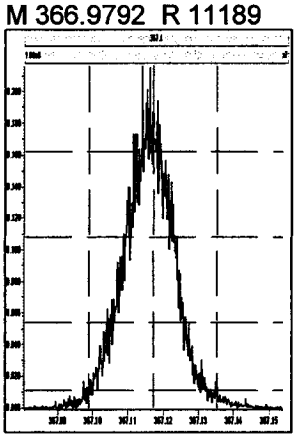

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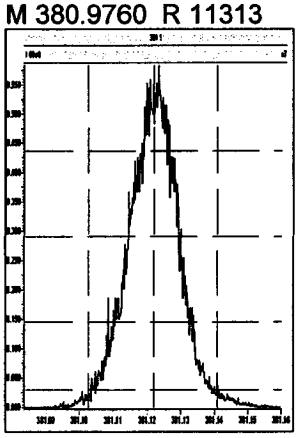

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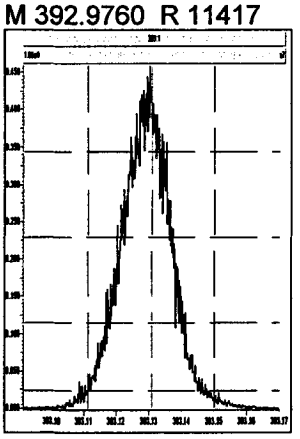

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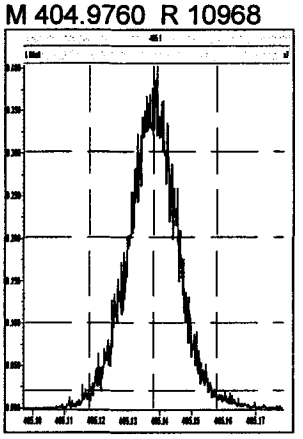
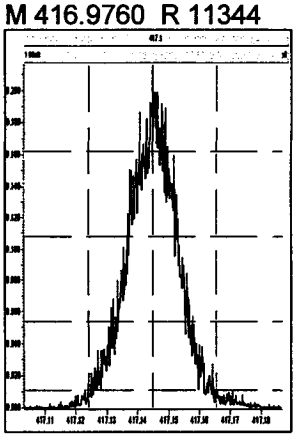


M 416.9760 R 11344



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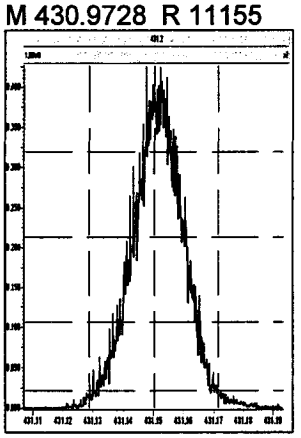
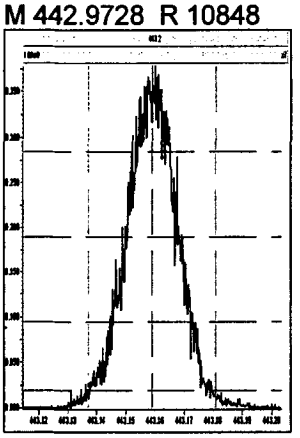
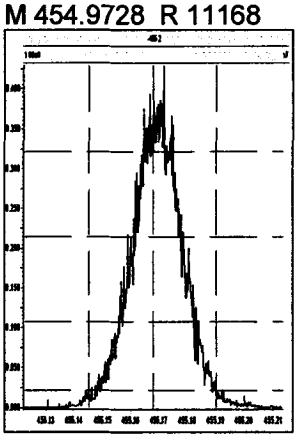


M 442.9728 R 10848



M 454.9728 R 11168



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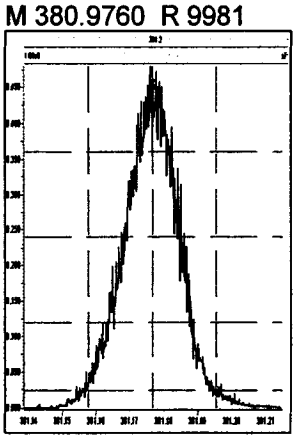

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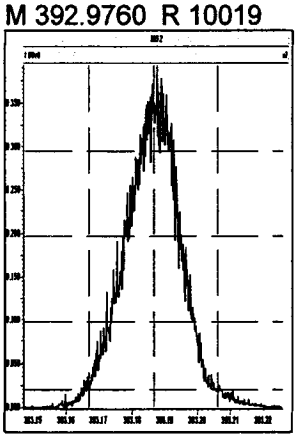

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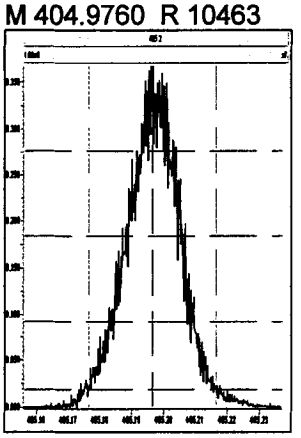

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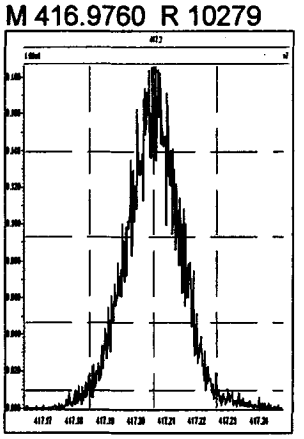

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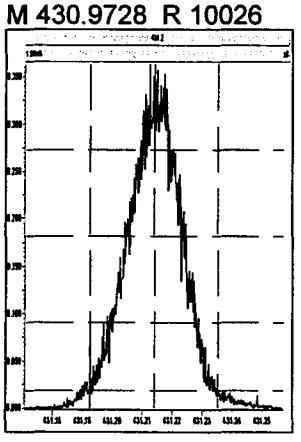
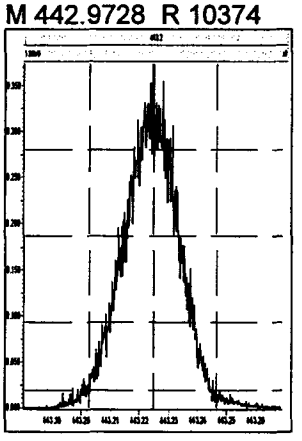


M 442.9728 R 10374



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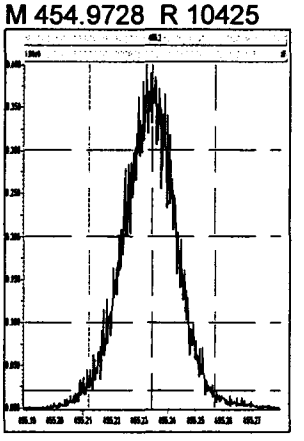

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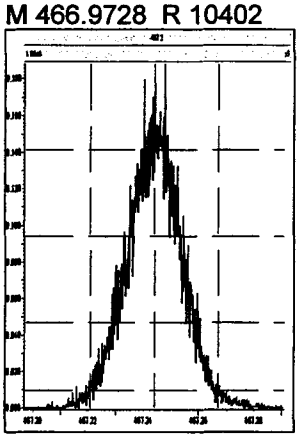

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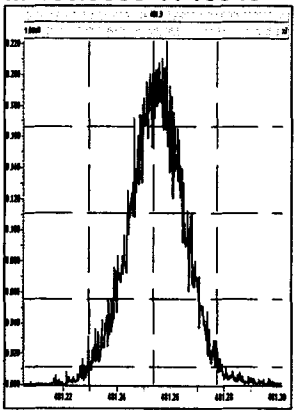

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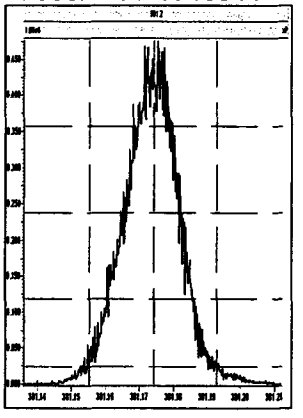
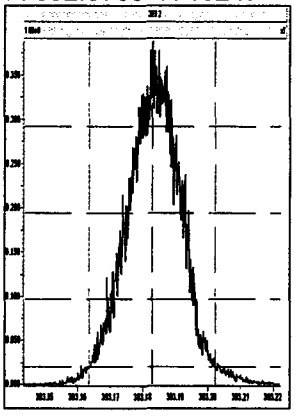
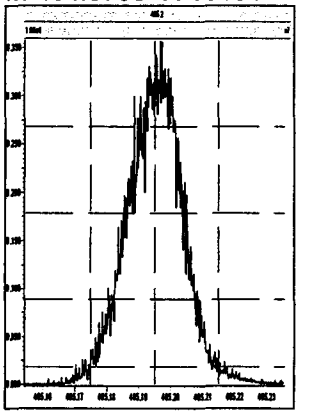


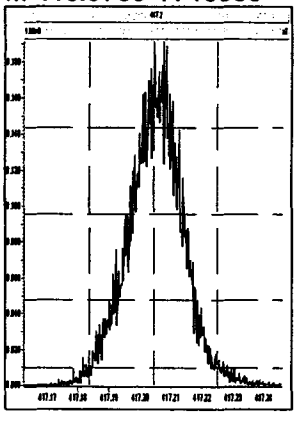
M 392.9760 R 10247



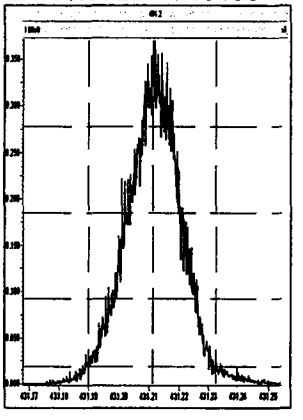
M 404.9760 R 10101



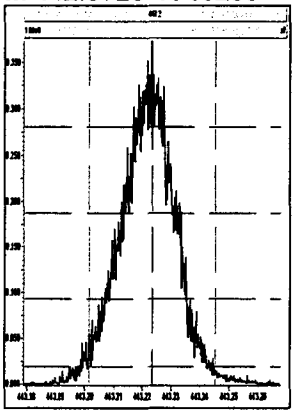
M 416.9760 R 10560



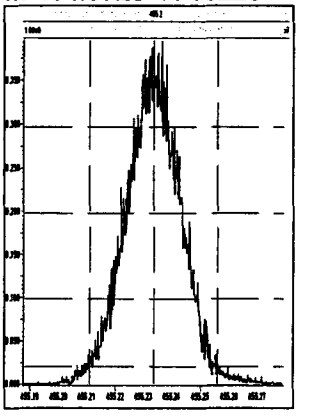
M 430.9728 R 10168



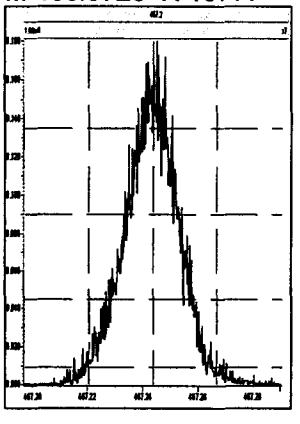
M 442.9728 R 10255



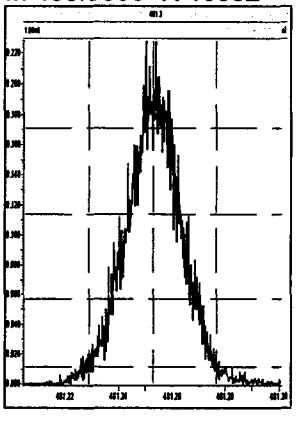
M 454.9728 R 10225



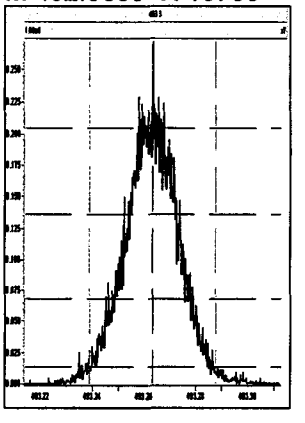
M 466.9728 R 10777



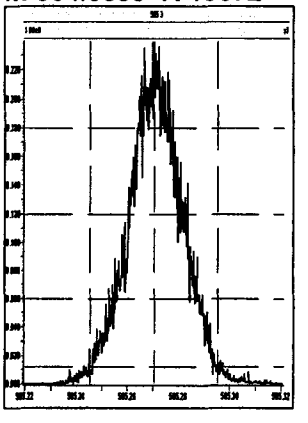
M 480.9696 R 10352



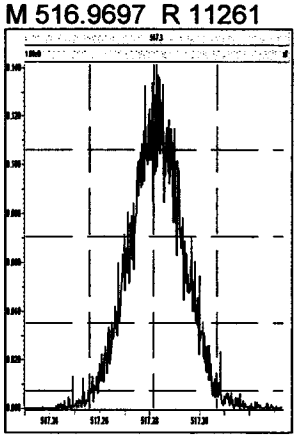
M 492.9696 R 10730

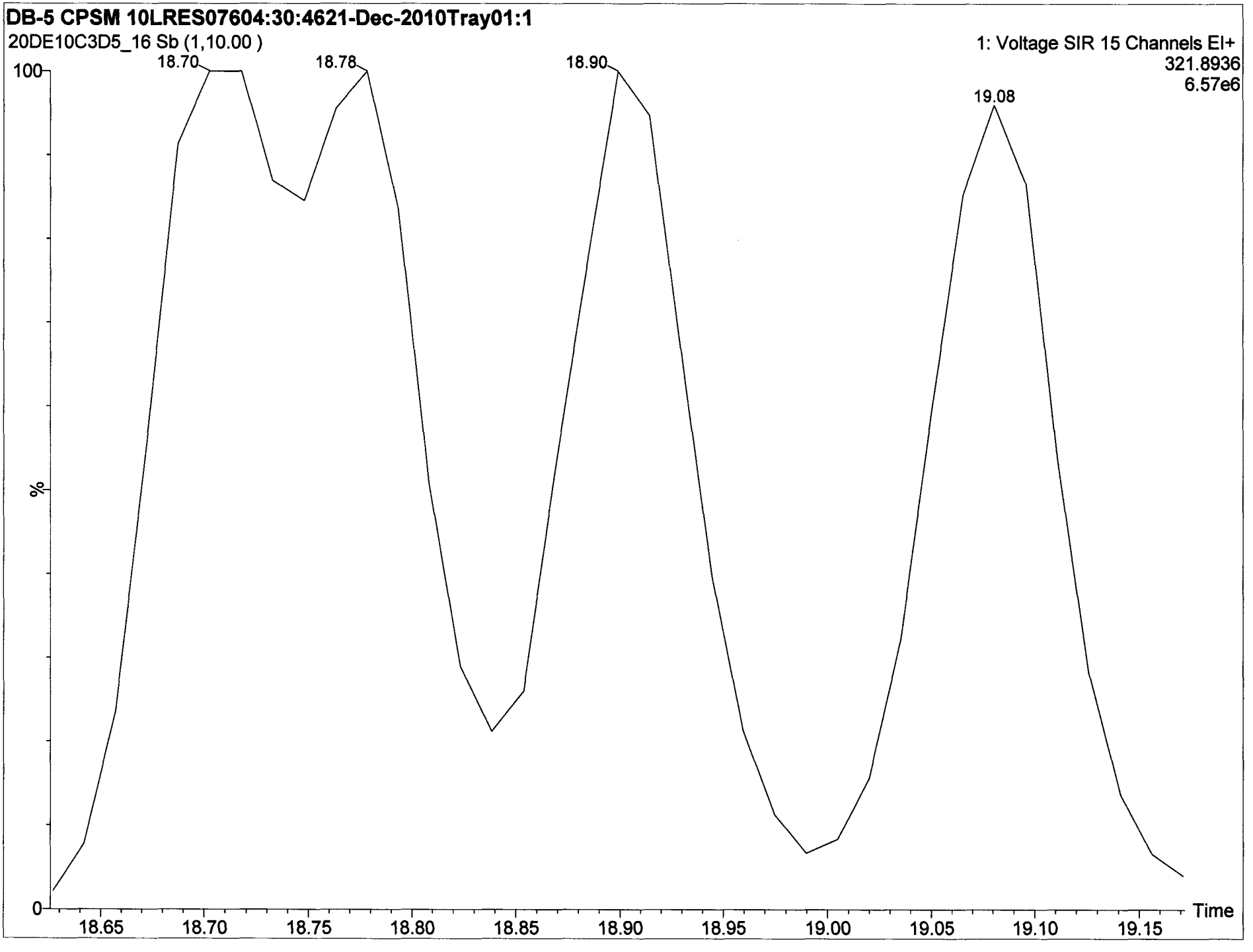


M 504.9696 R 10572



M 516.9697 R 11261




DB-5 CPSM 10LRES07604:30:4621-Dec-2010Tray01:1
20DE10C3D5_16 Sb (1,10.00)
1: Voltage SIR 15 Channels EI+
321.8936
6.57e6
18.70
18.78
18.90
19.08
100
0
%
Time
18.65
18.70
18.75
18.80
18.85
18.90
18.95
19.00
19.05
19.10
19.15

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:55:32 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	%RSD
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\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:55:32 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**

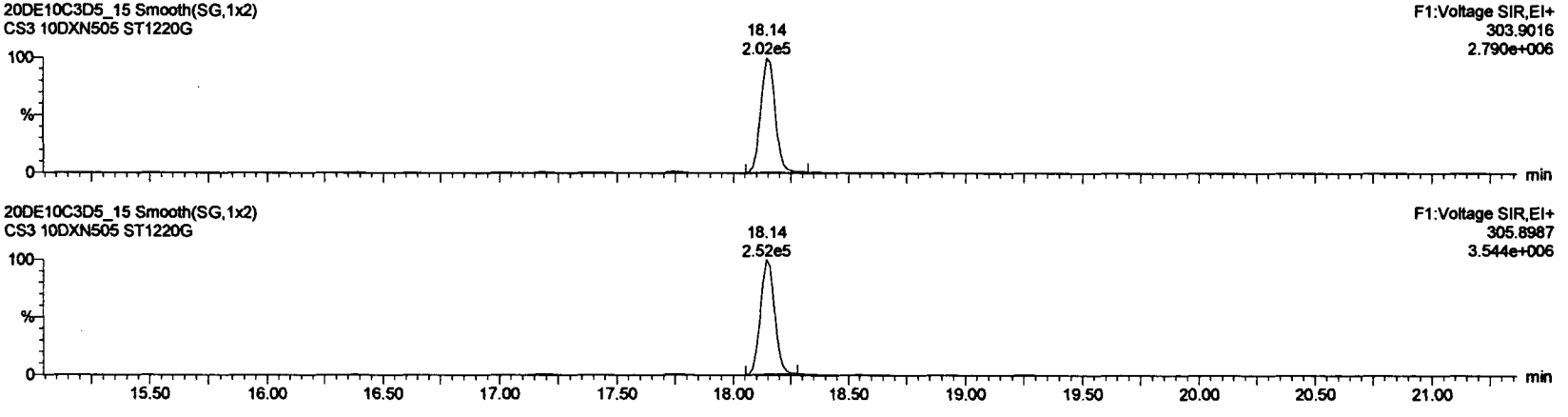
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

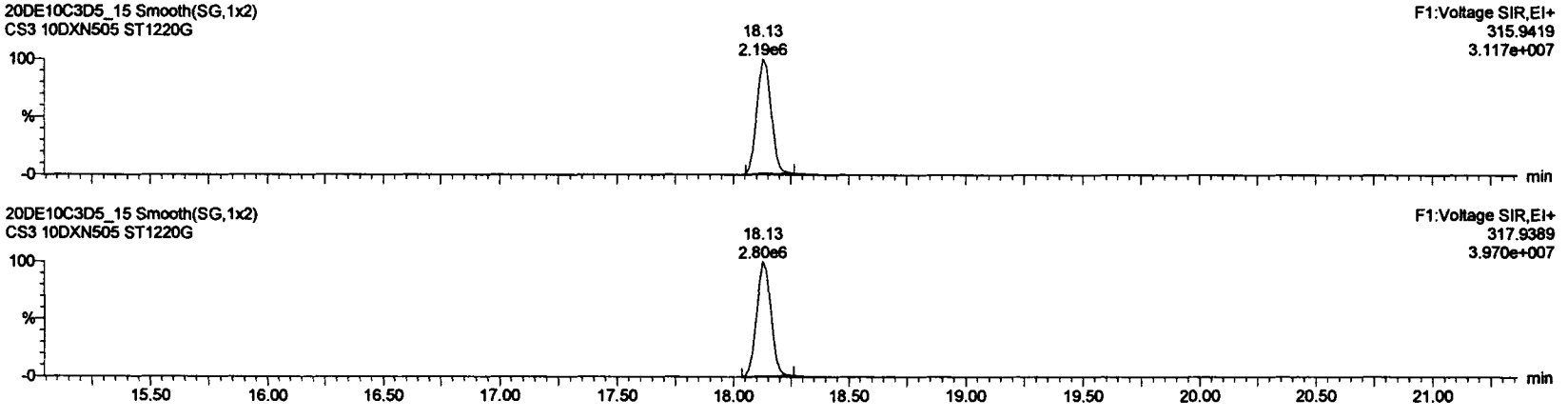
Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

TCDFs



13C-TCDF



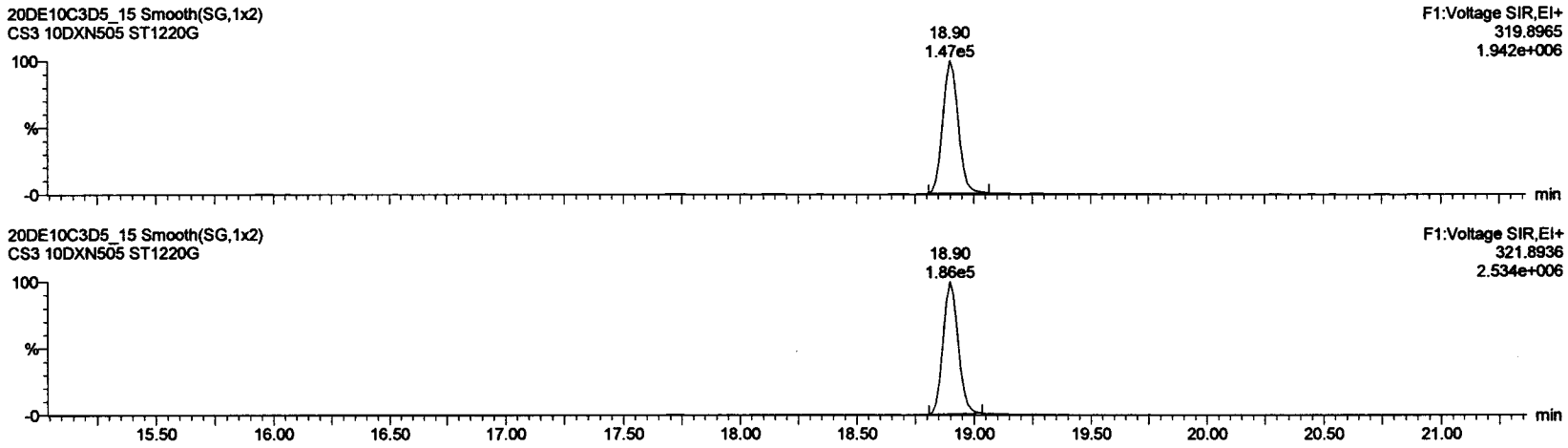
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

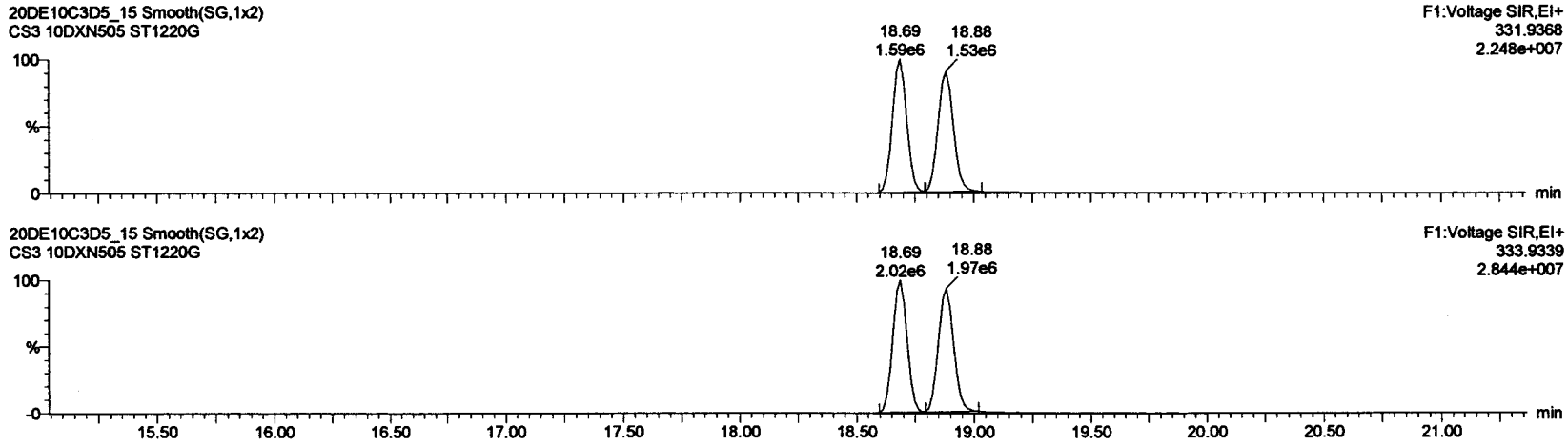
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

TCDDs



13C-TCDDs



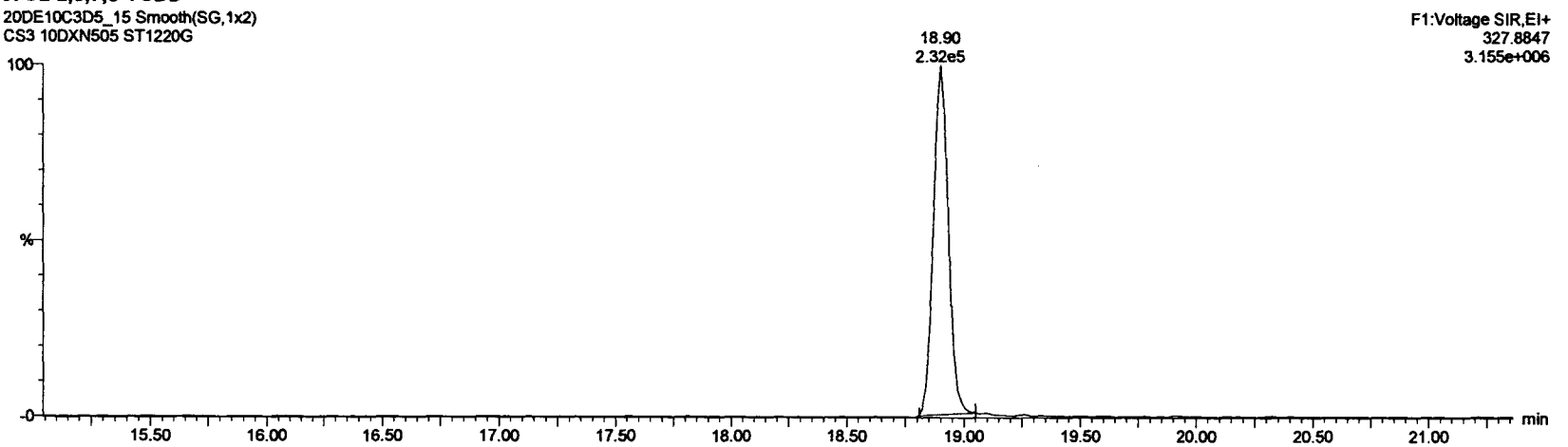
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

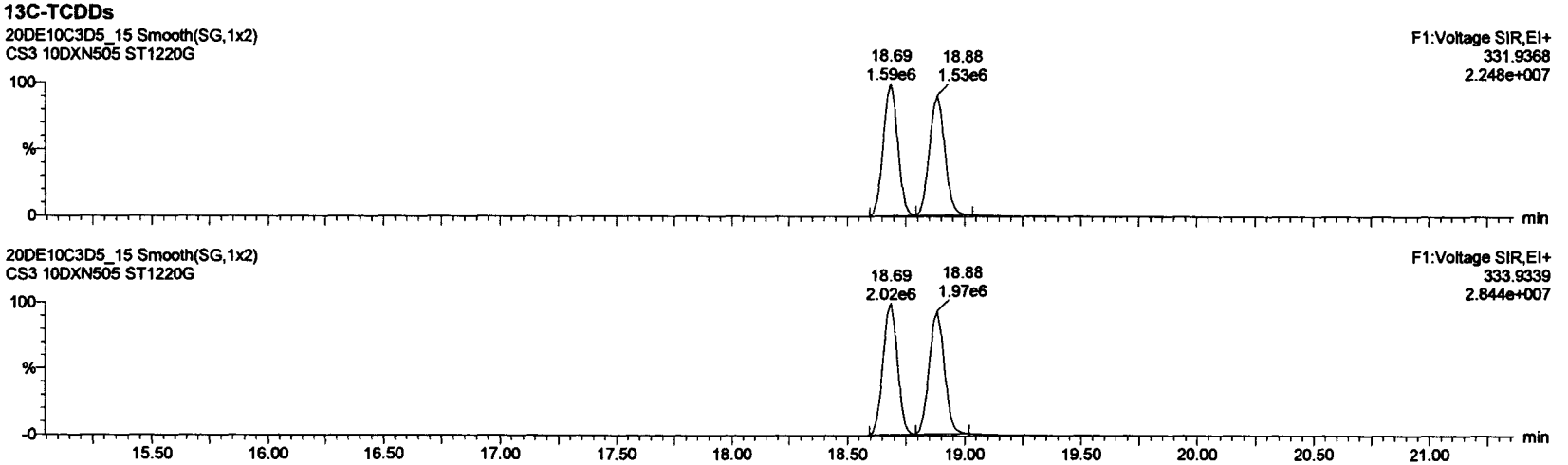
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

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



13C-TCDDs



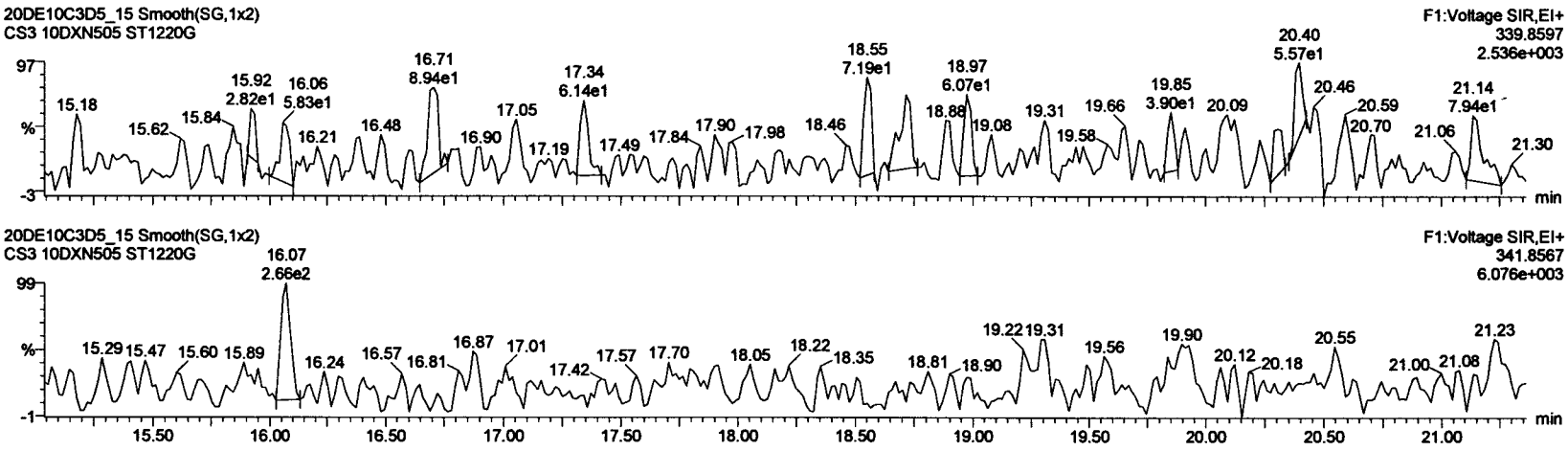
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

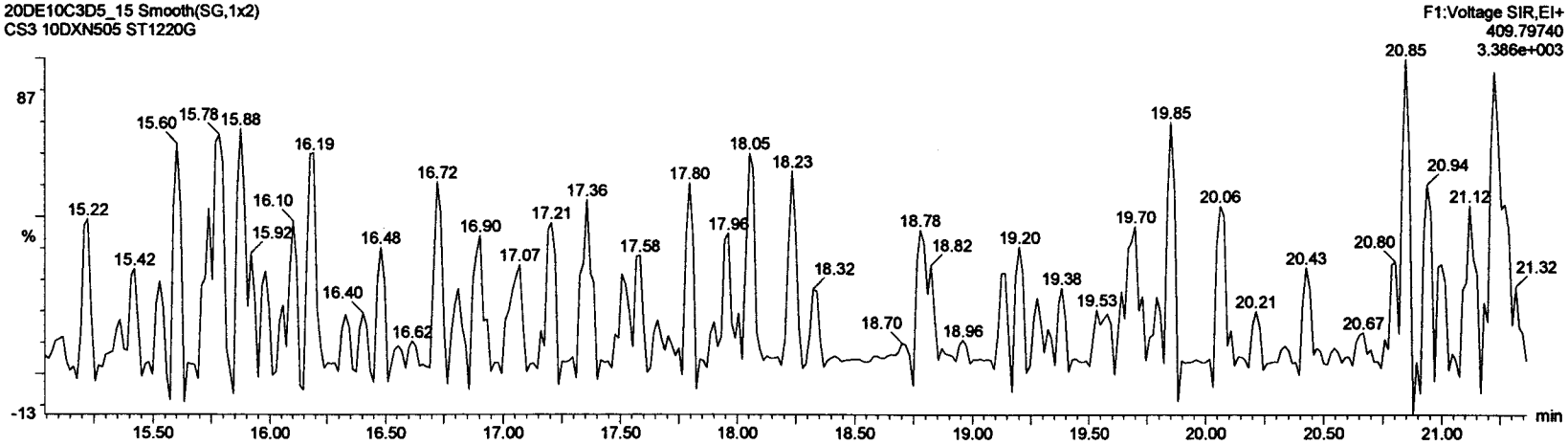
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



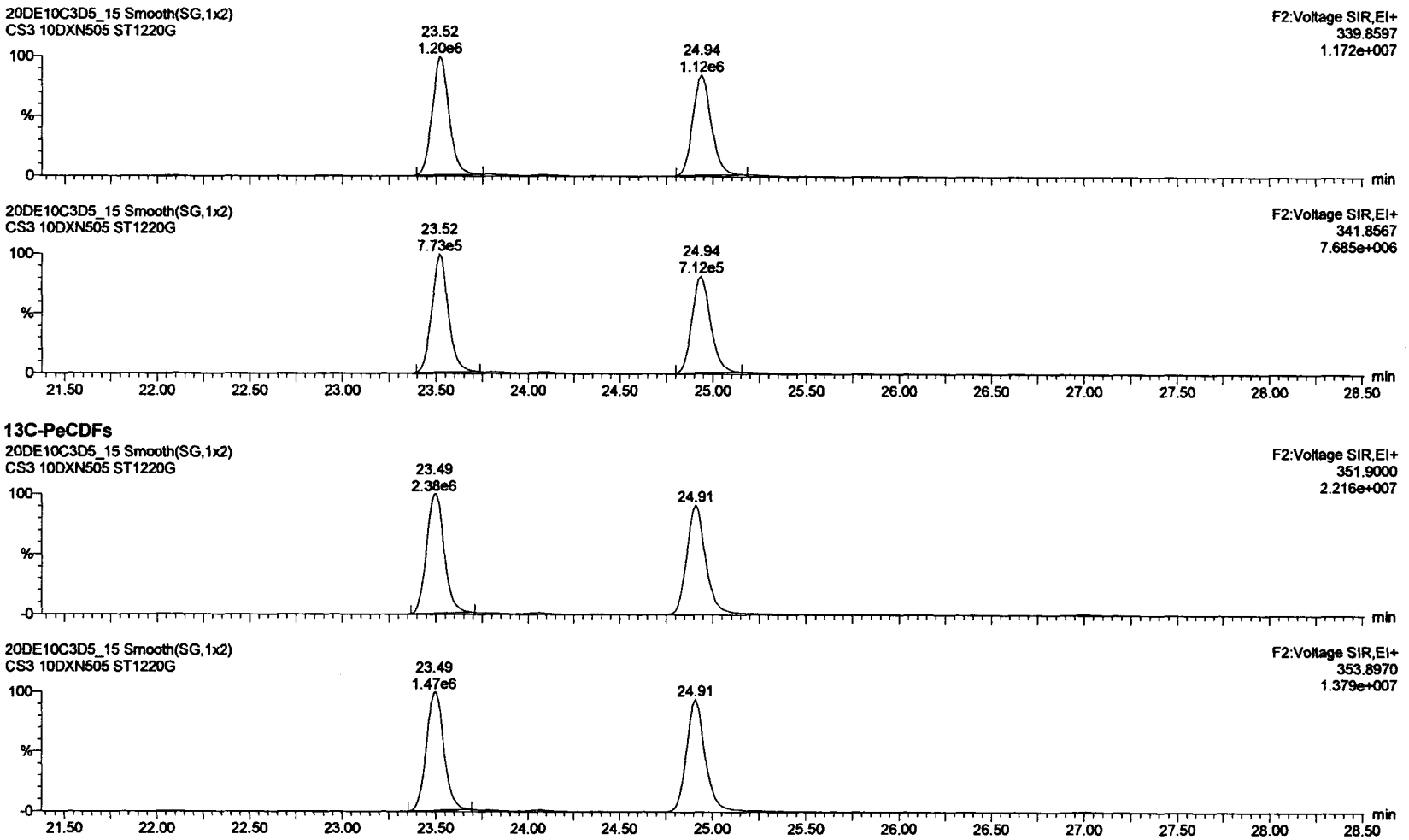
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

PeCDFs



13C-PeCDFs

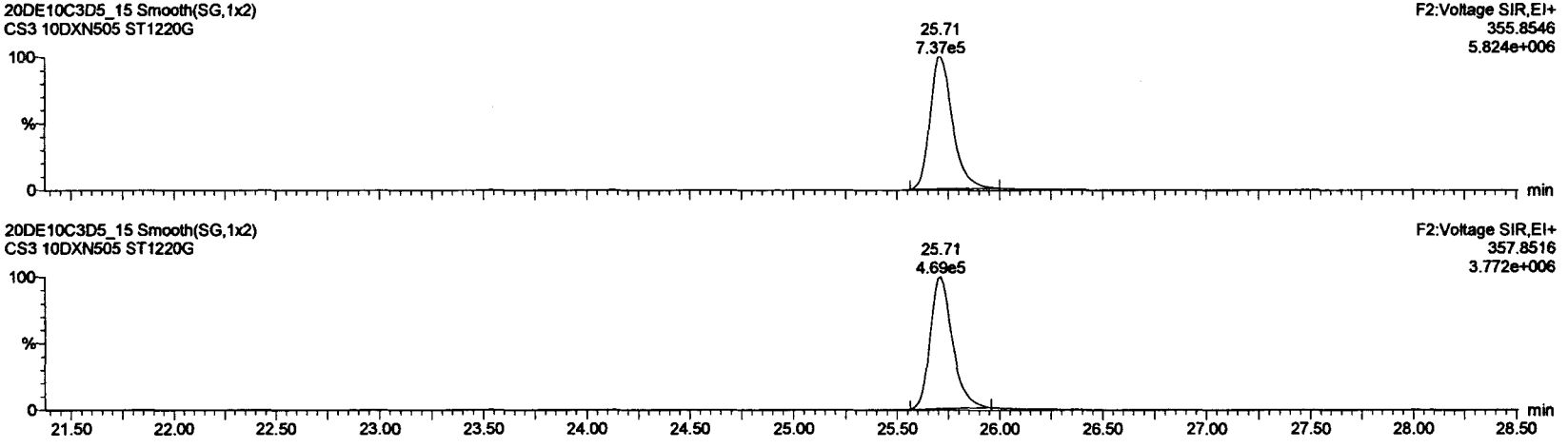
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

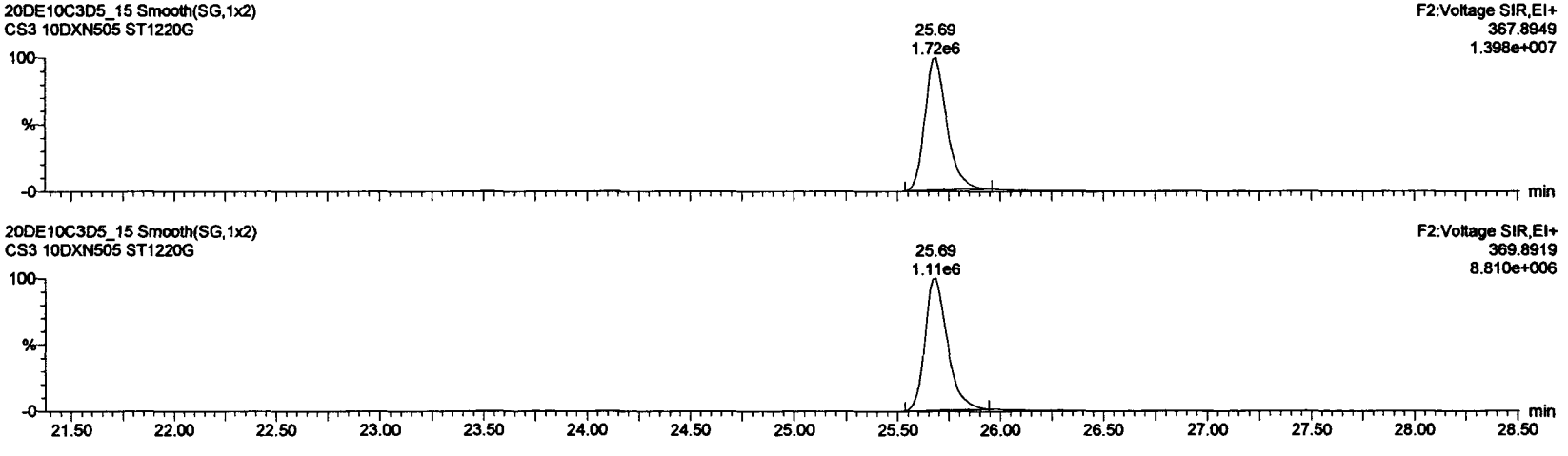
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

PeCDDs



13C-PeCDD



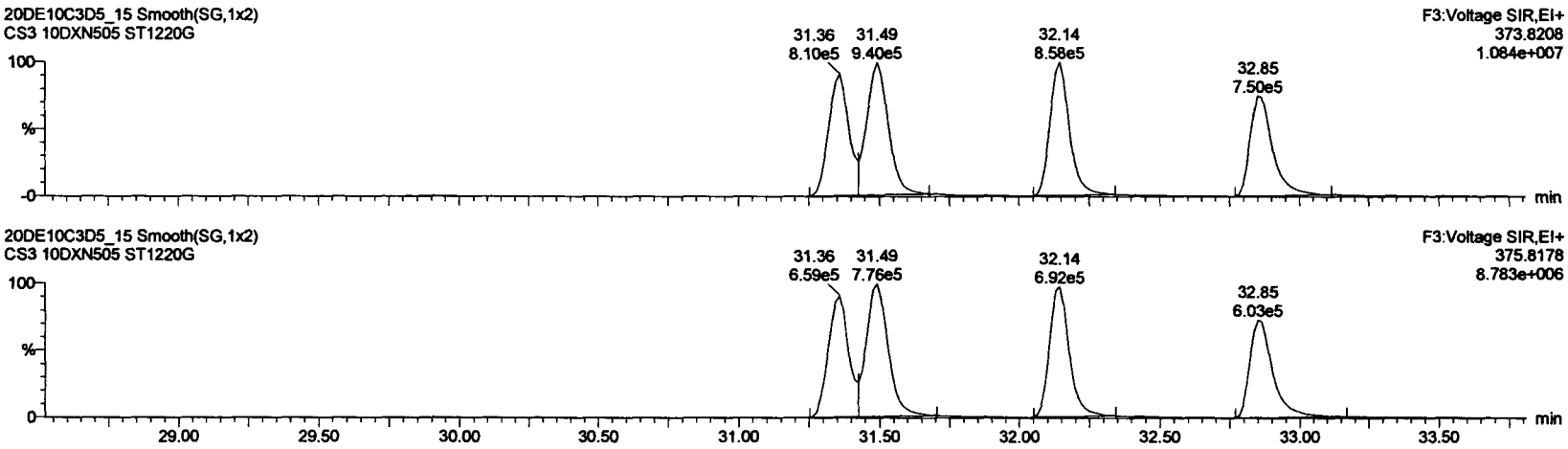
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

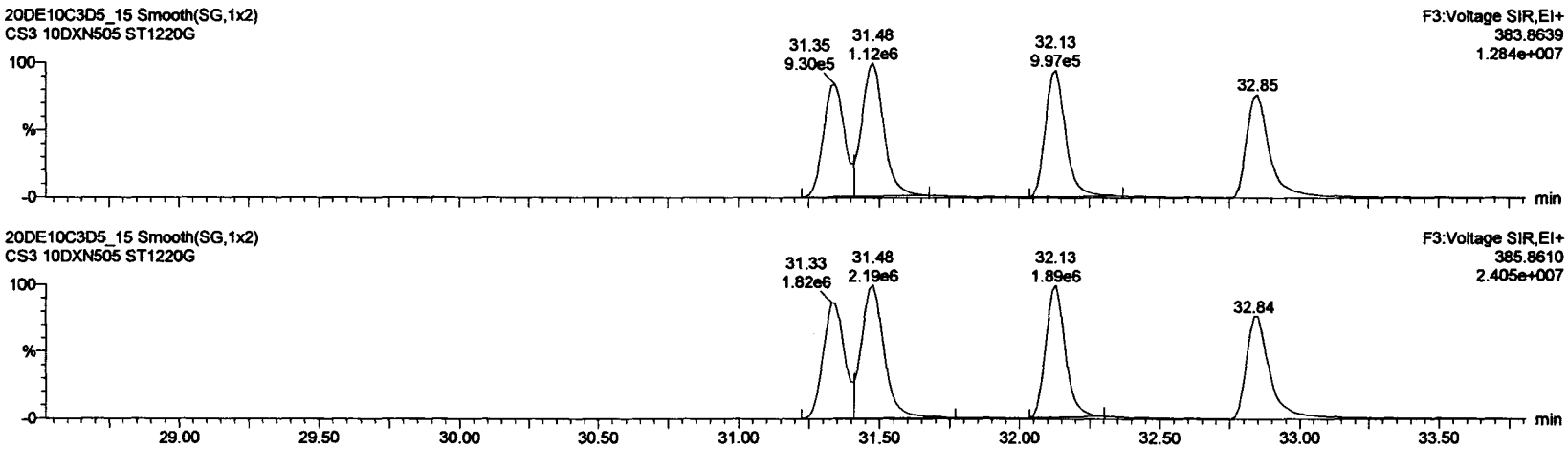
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HxCDFs



13C-HxCDFs



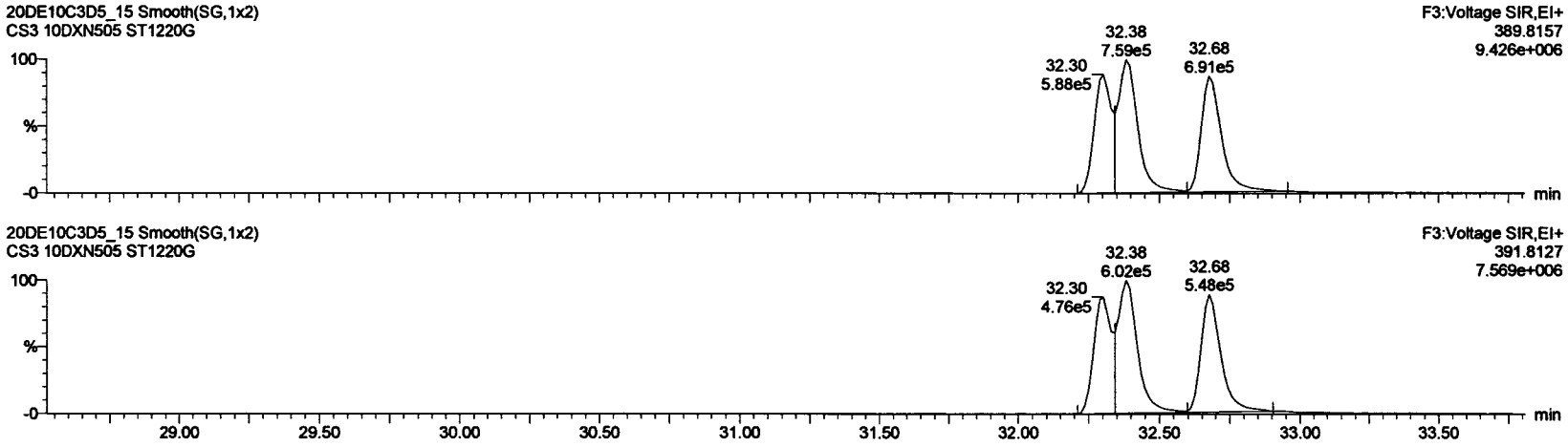
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

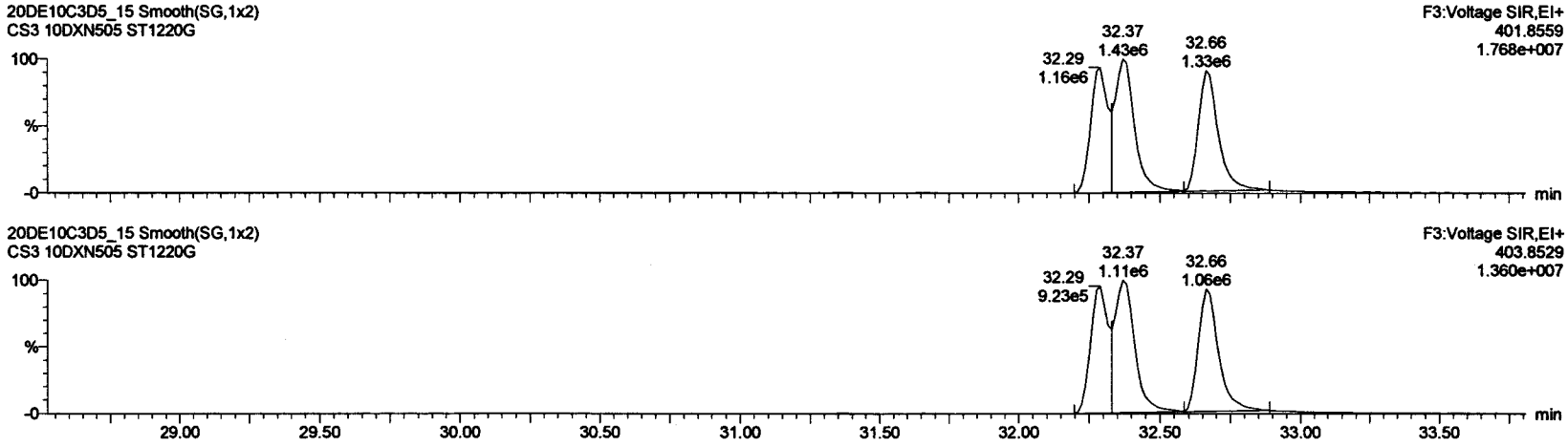
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HxCDDs



13C-HxCDDs



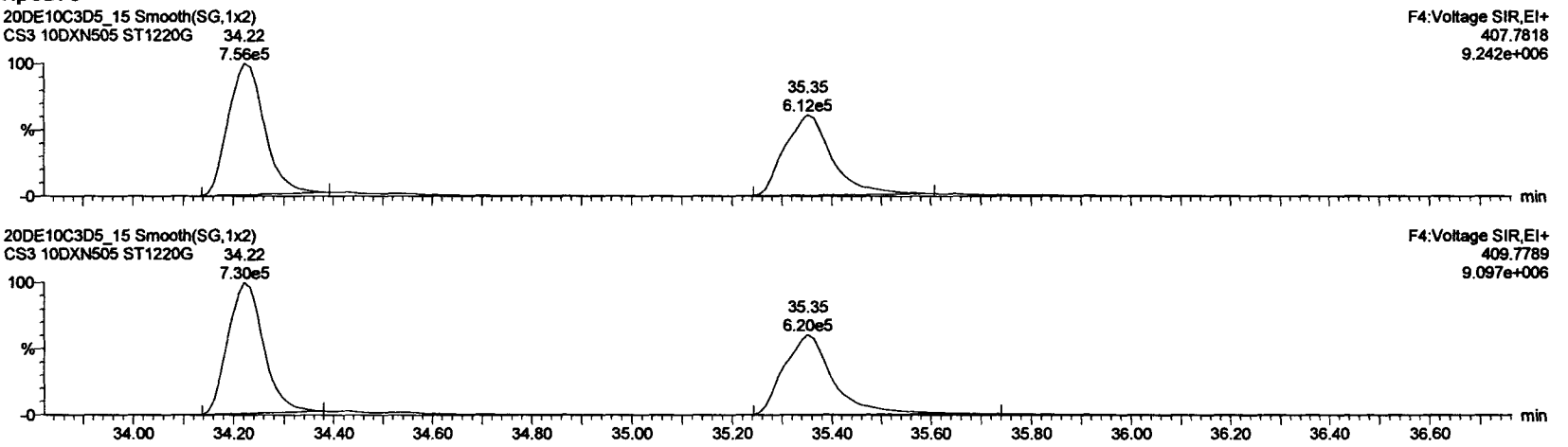
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

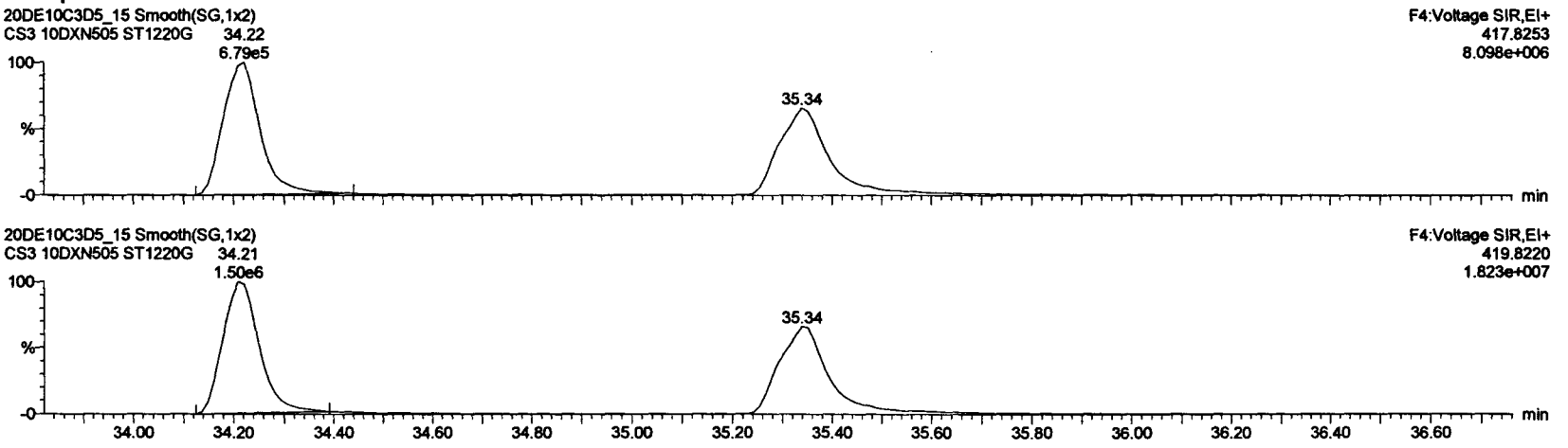
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HpCDFs



13C-HpCDFs



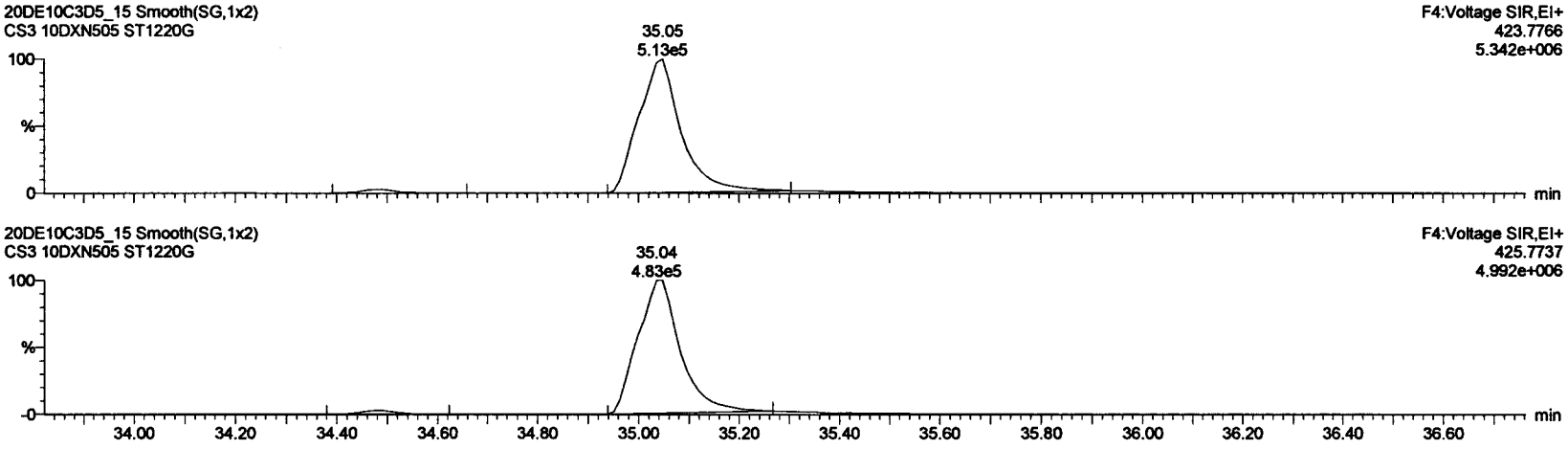
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

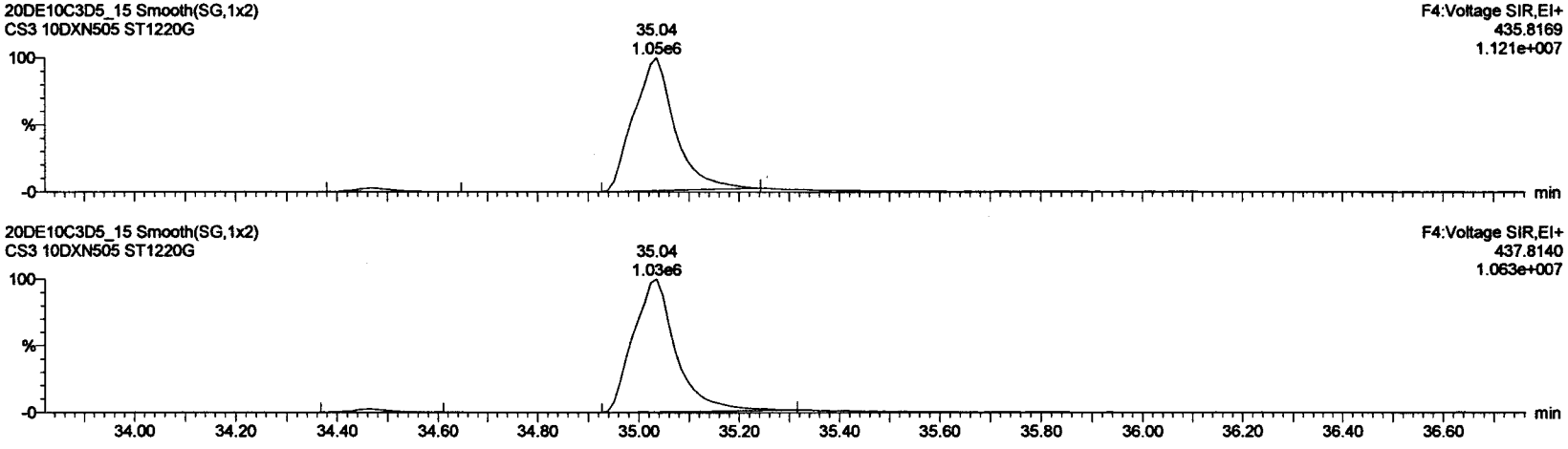
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HpCDDs



13C-HpCDD



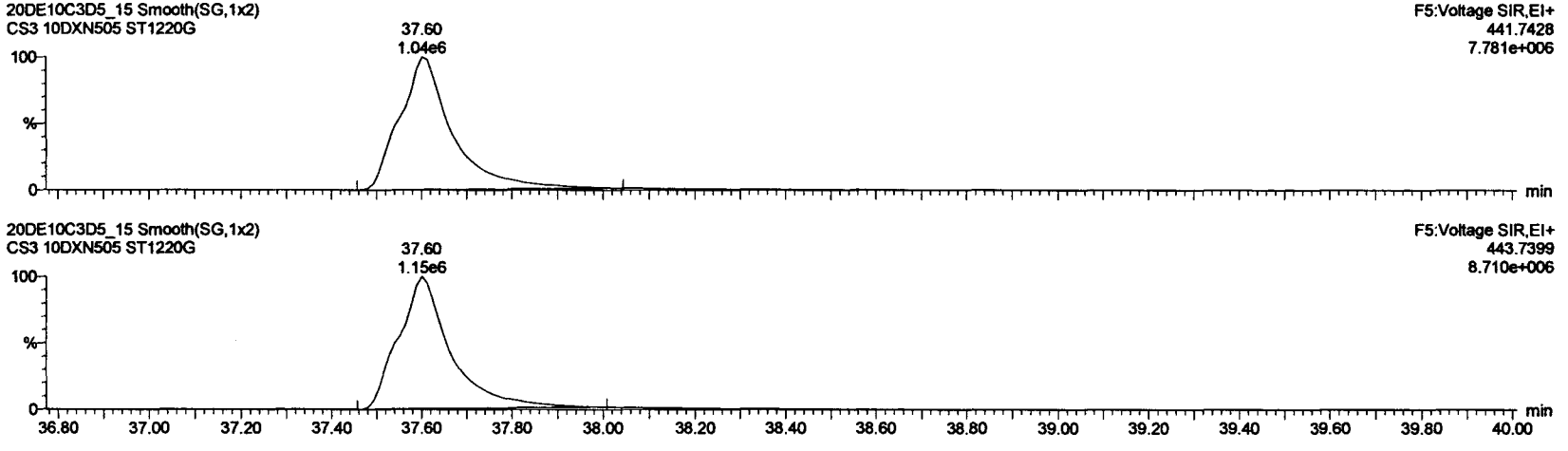
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

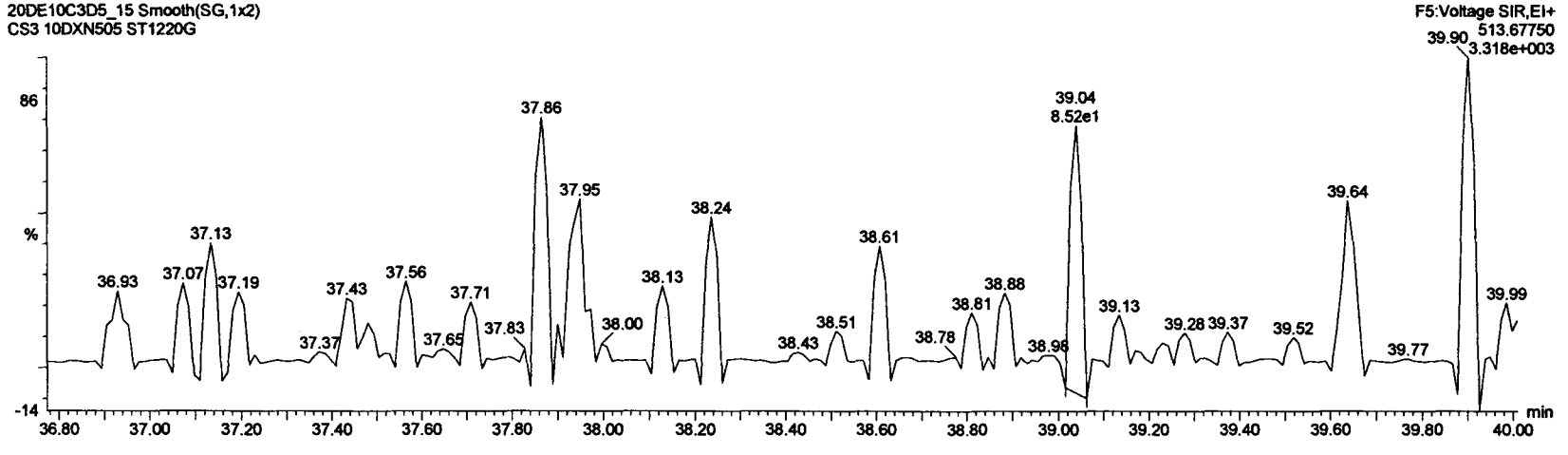
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

OCDFs



OCDF PCDPE



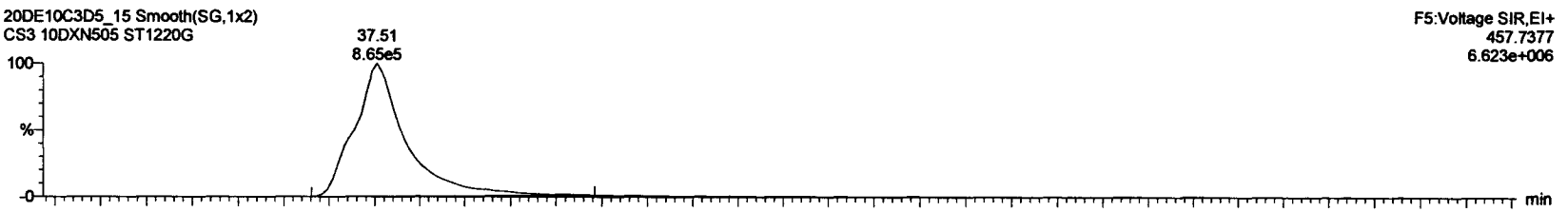
Quantify Sample Report **MassLynx 4.1**

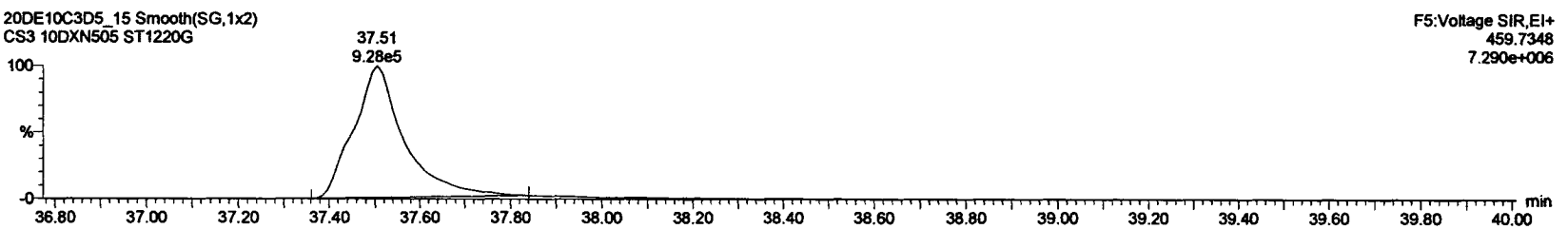
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

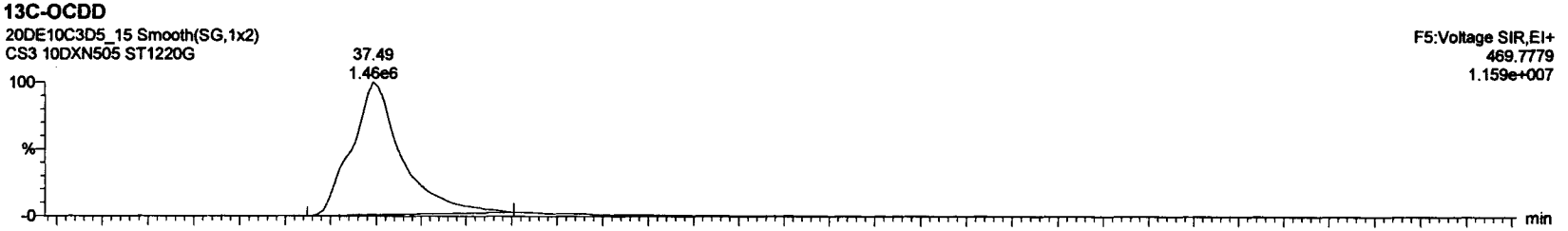
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

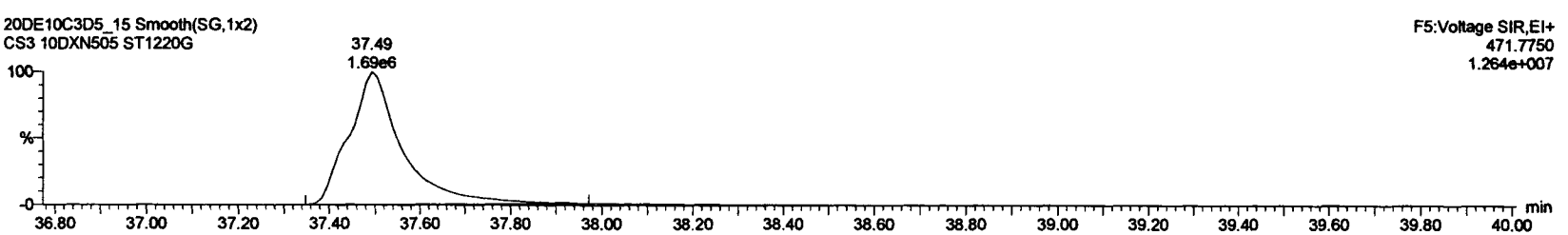
OCDD





13C-OCDD





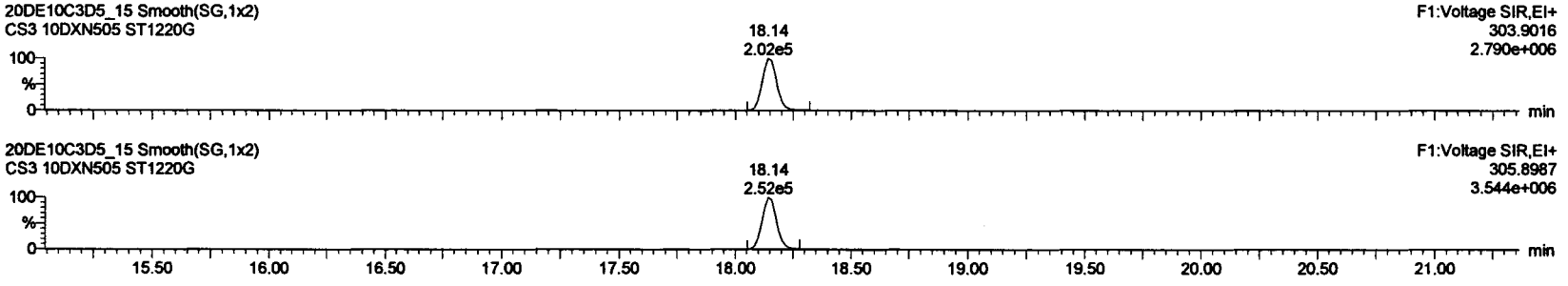
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

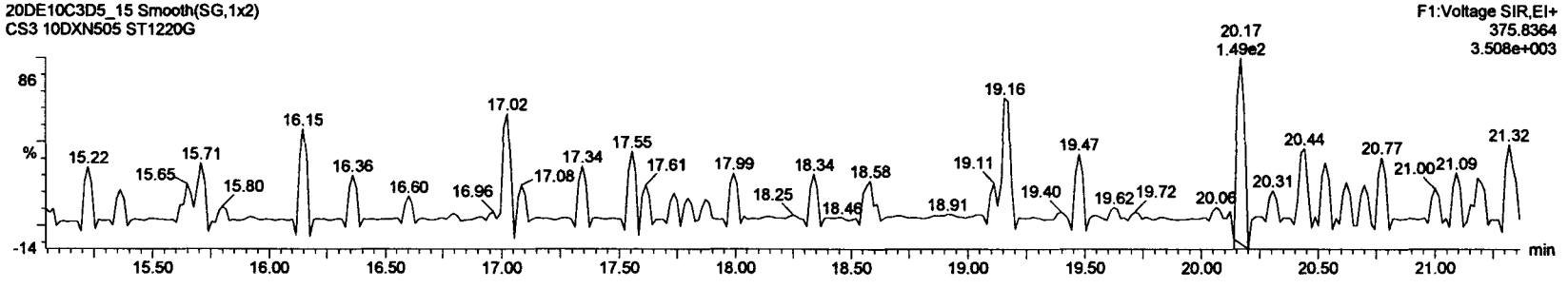
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

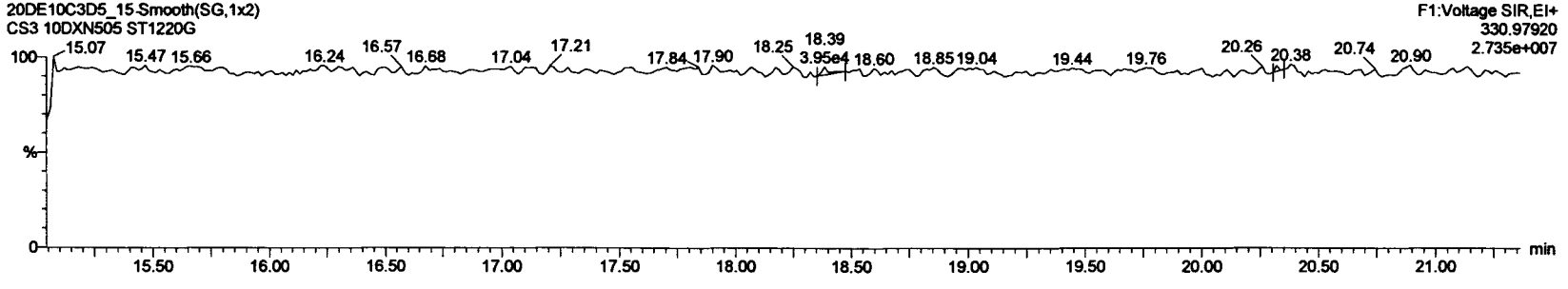
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

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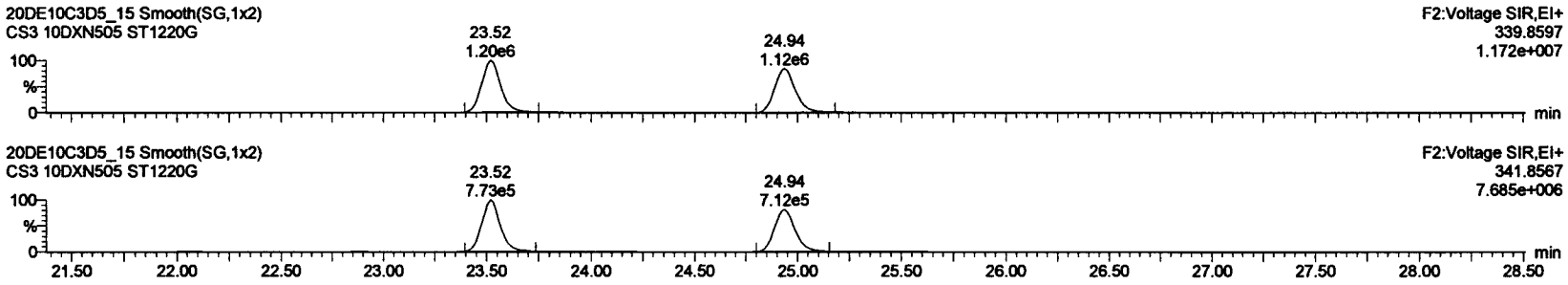
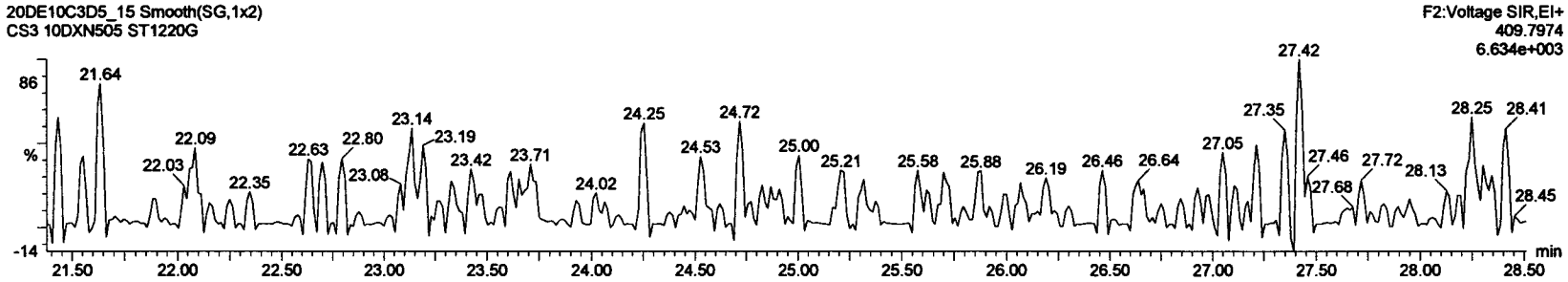
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

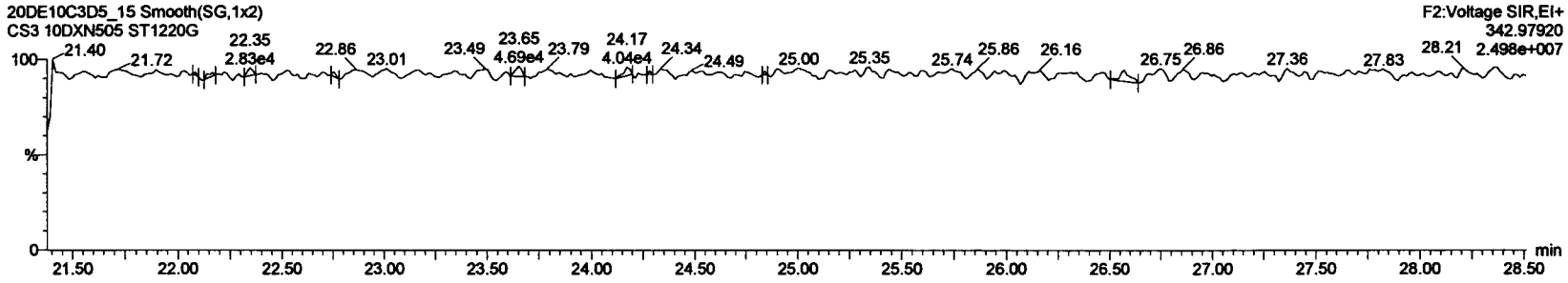
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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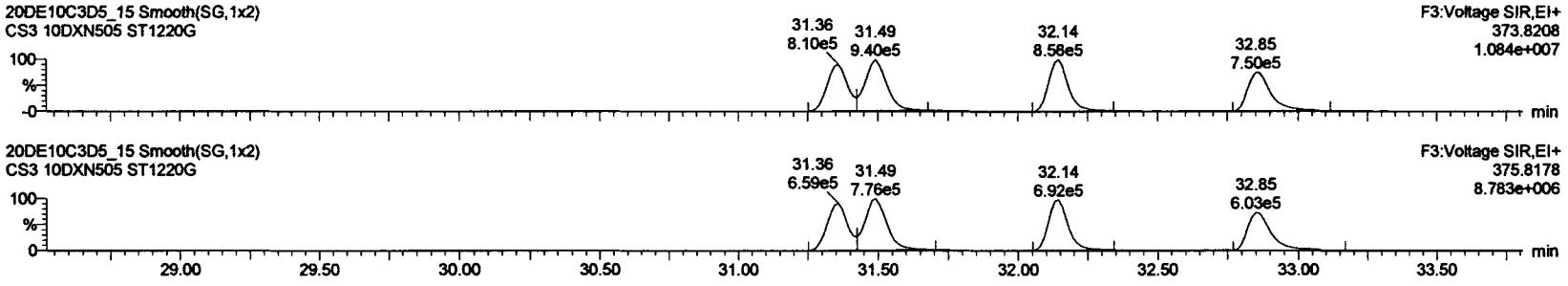
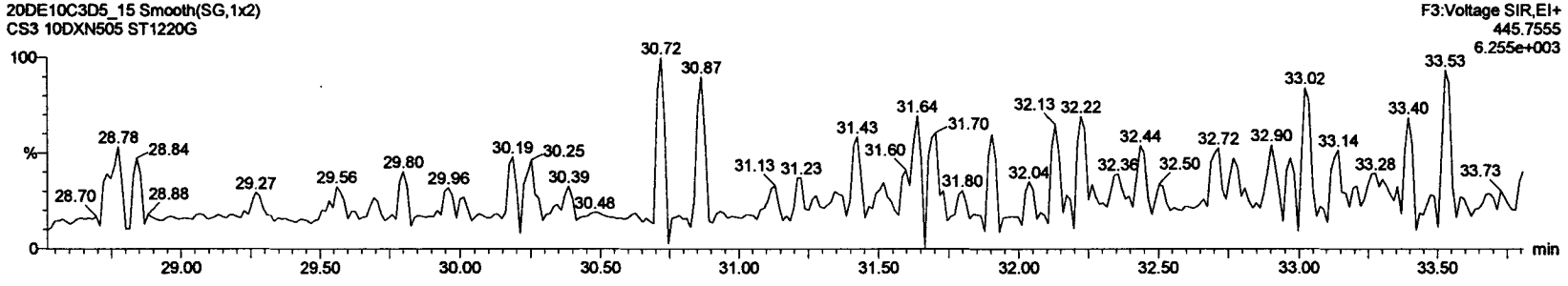
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

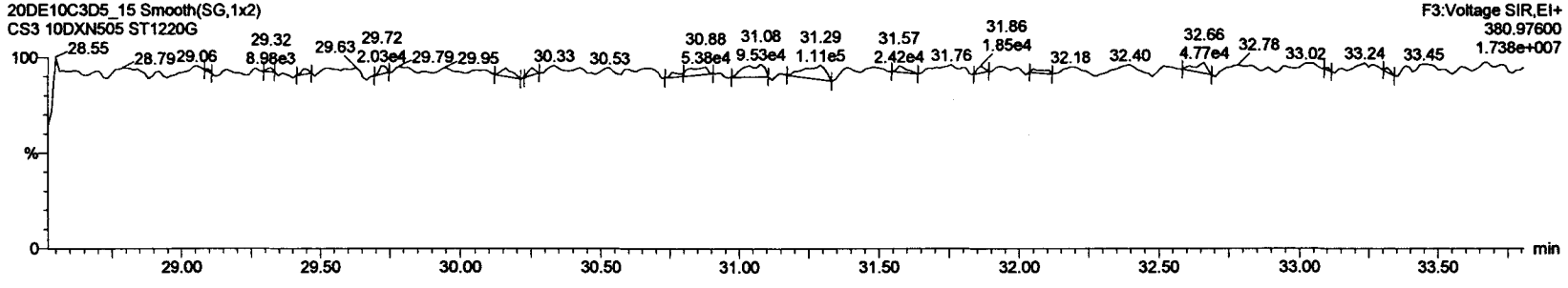
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

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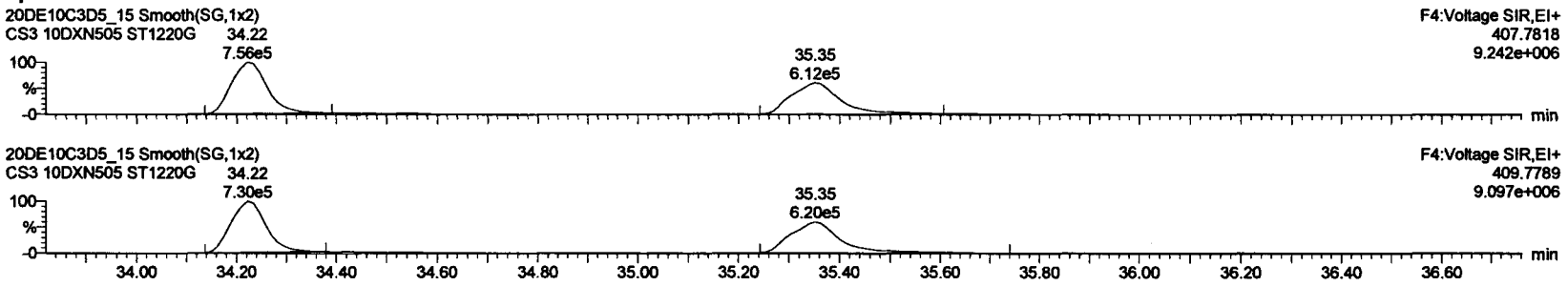
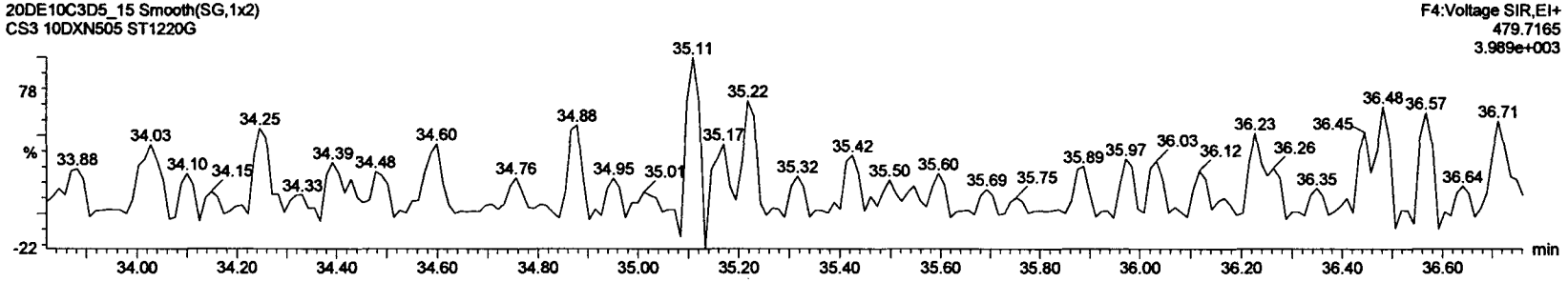
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

HpCDFs



HpCDF PCDPE



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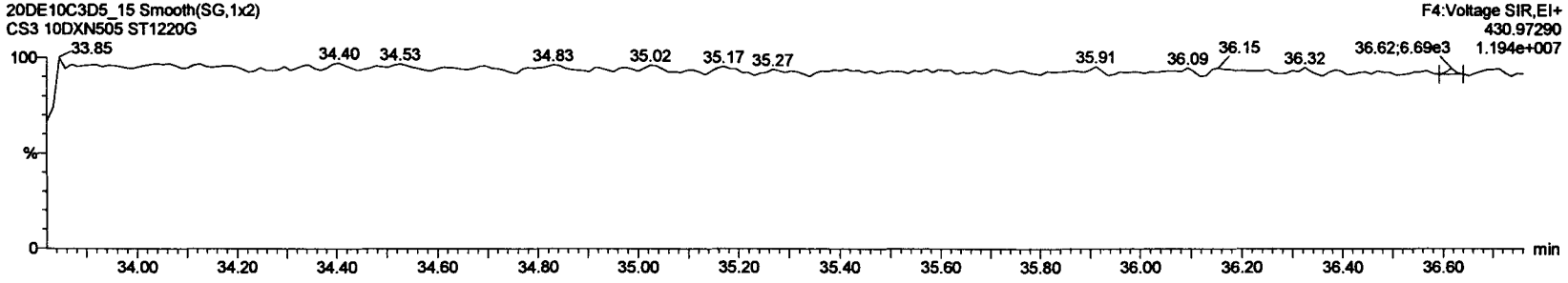

Quantify Sample Report **MassLynx 4.1**

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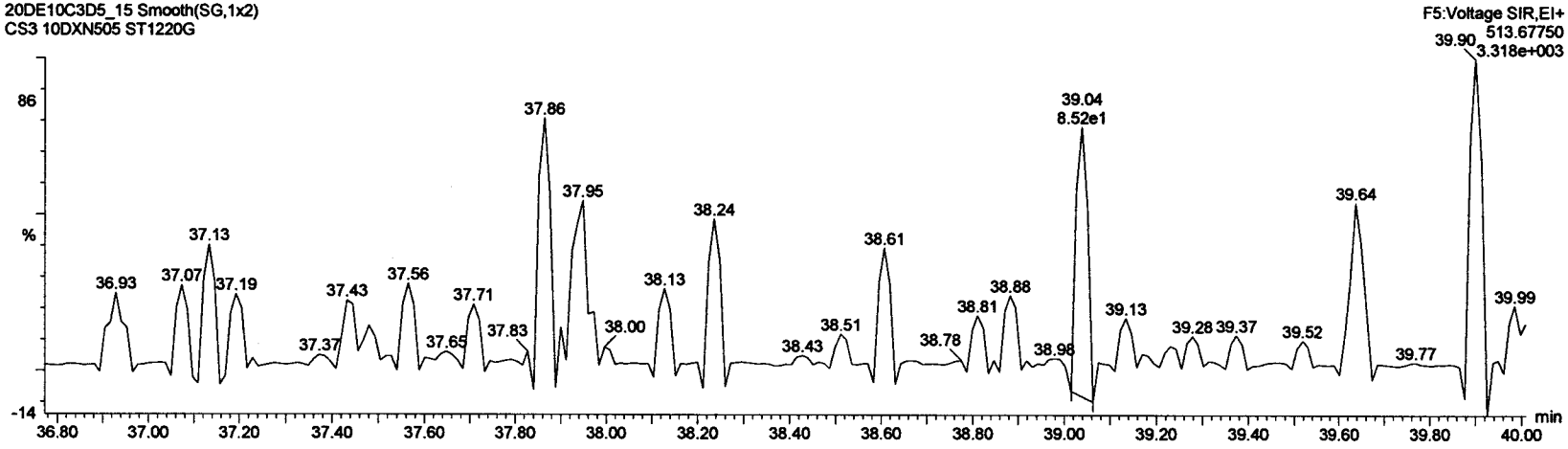
Name: 20DE10C3D5_15, Date: 21-Dec-2010, Time: 03:39:32, ID: ST1220G, Description: CS3 10DXN505

OCDF PCDPE



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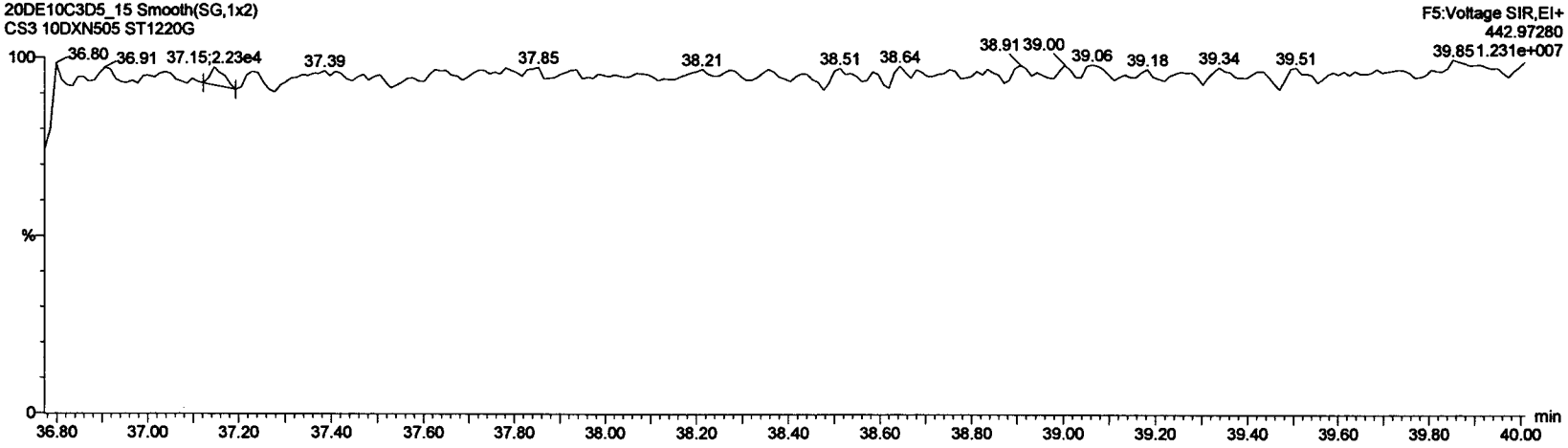


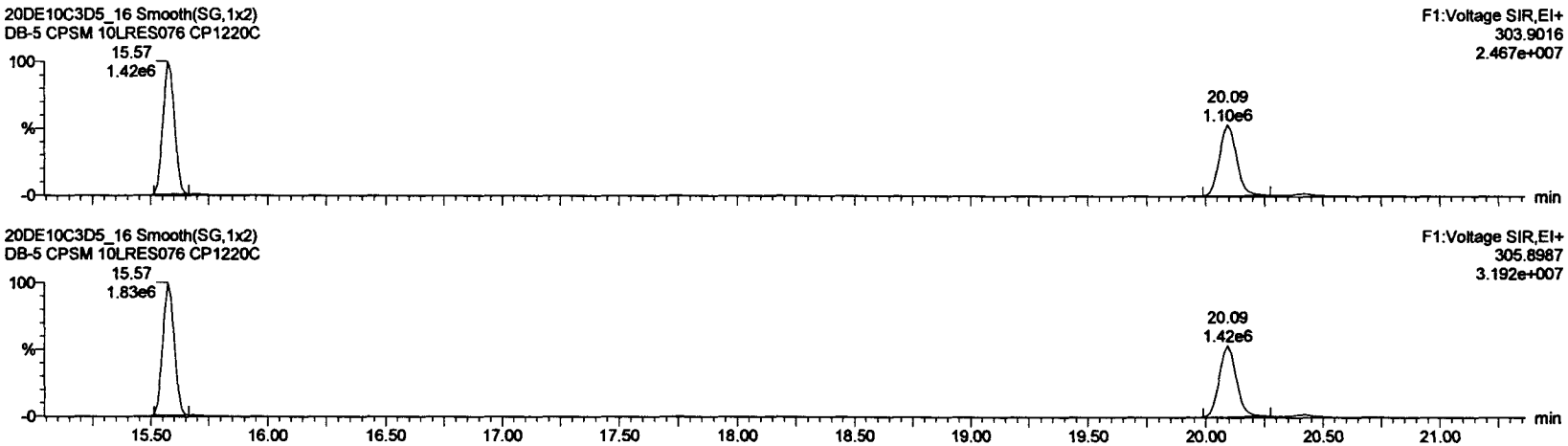
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

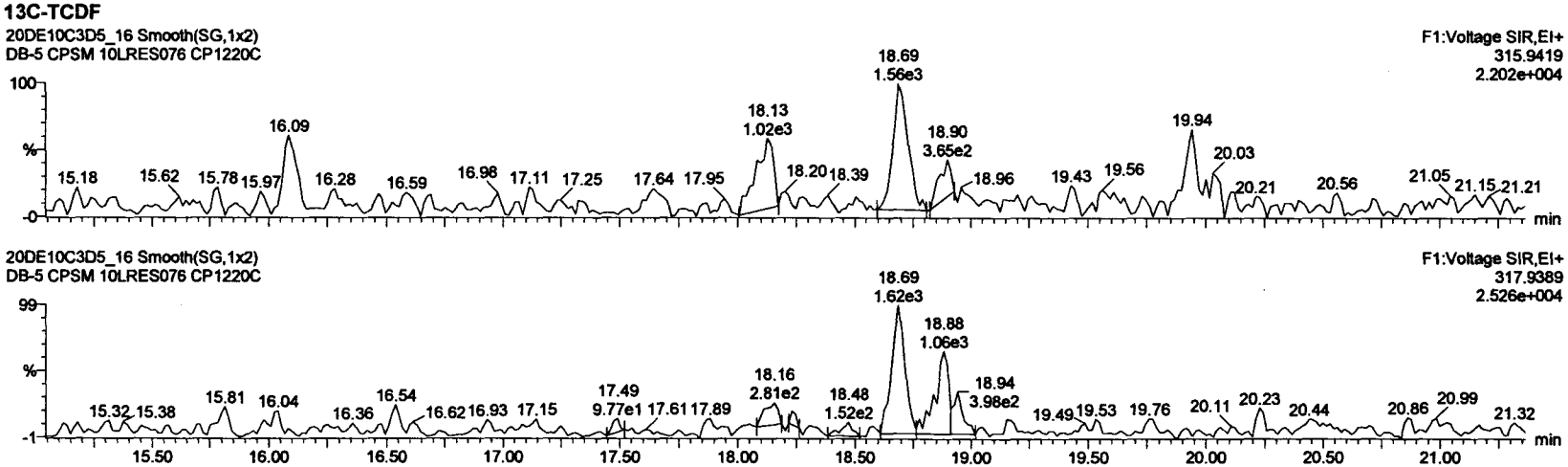
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

TCDFs



13C-TCDF



Quantify Sample Report **MassLynx 4.1**

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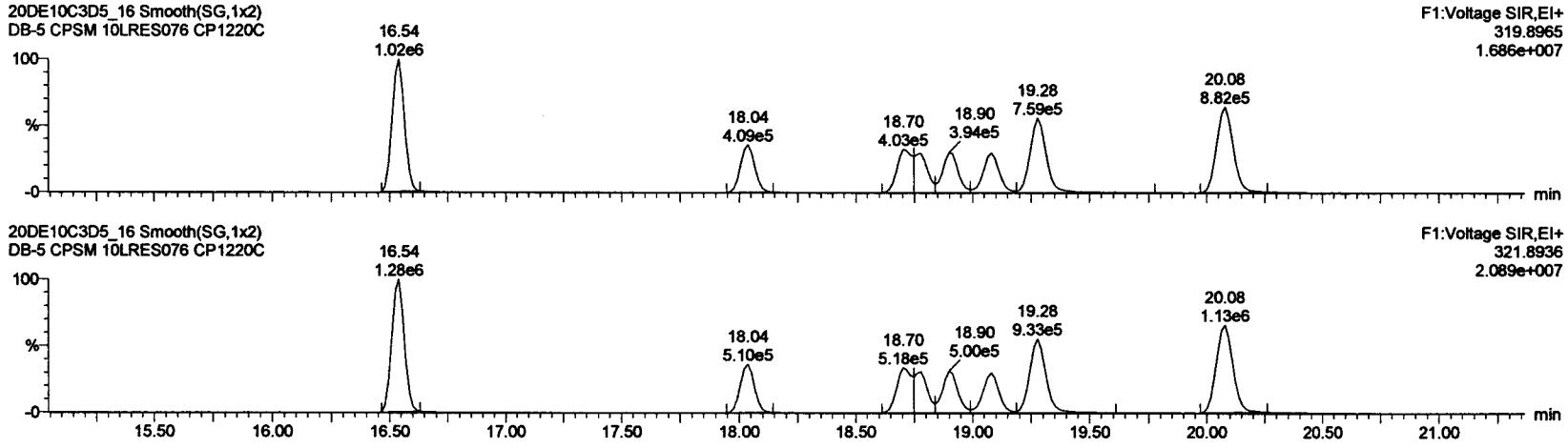
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

TCDDs



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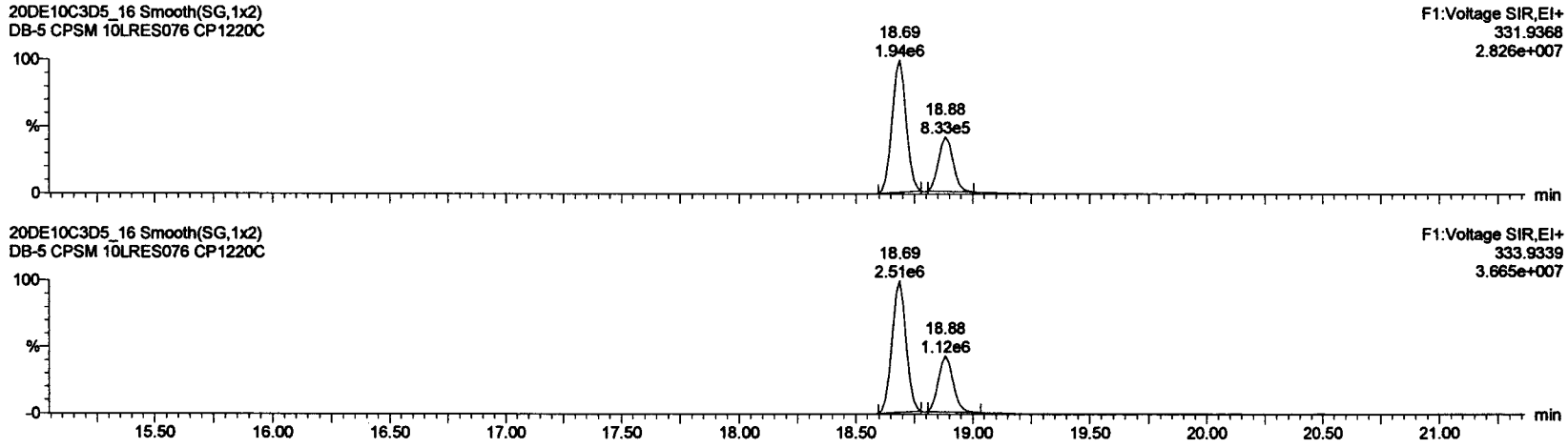

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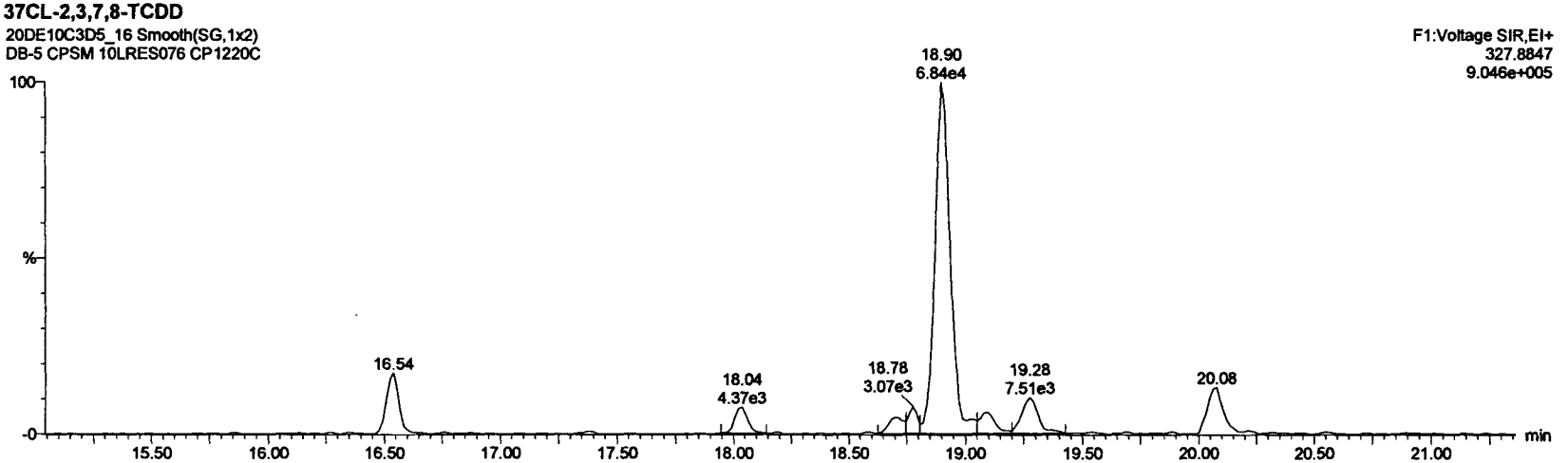
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

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



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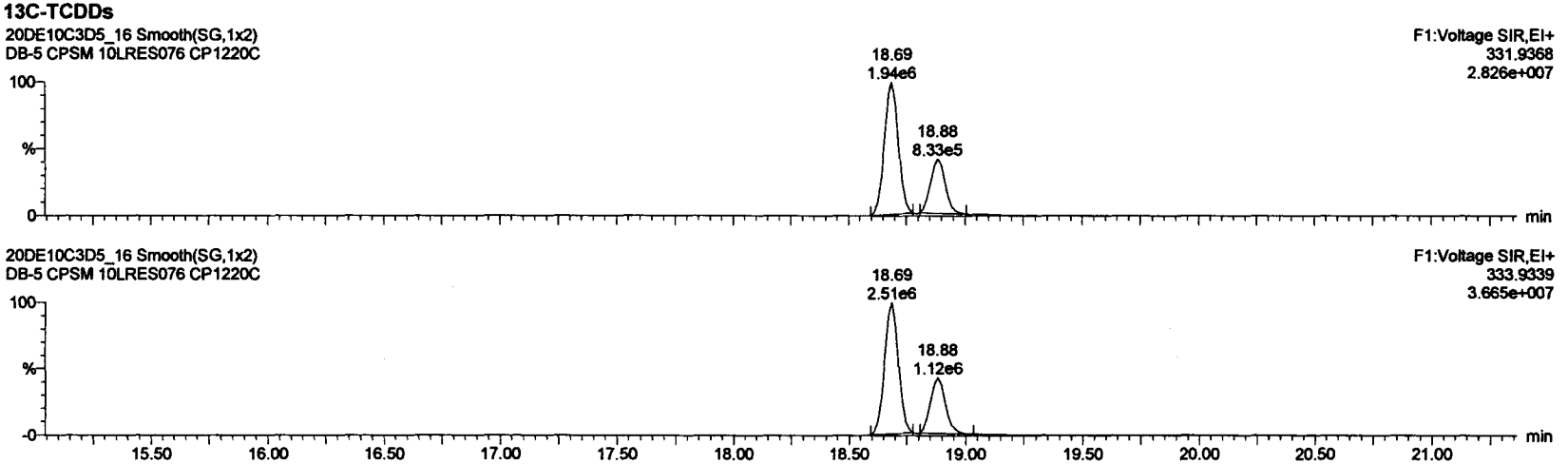

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Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

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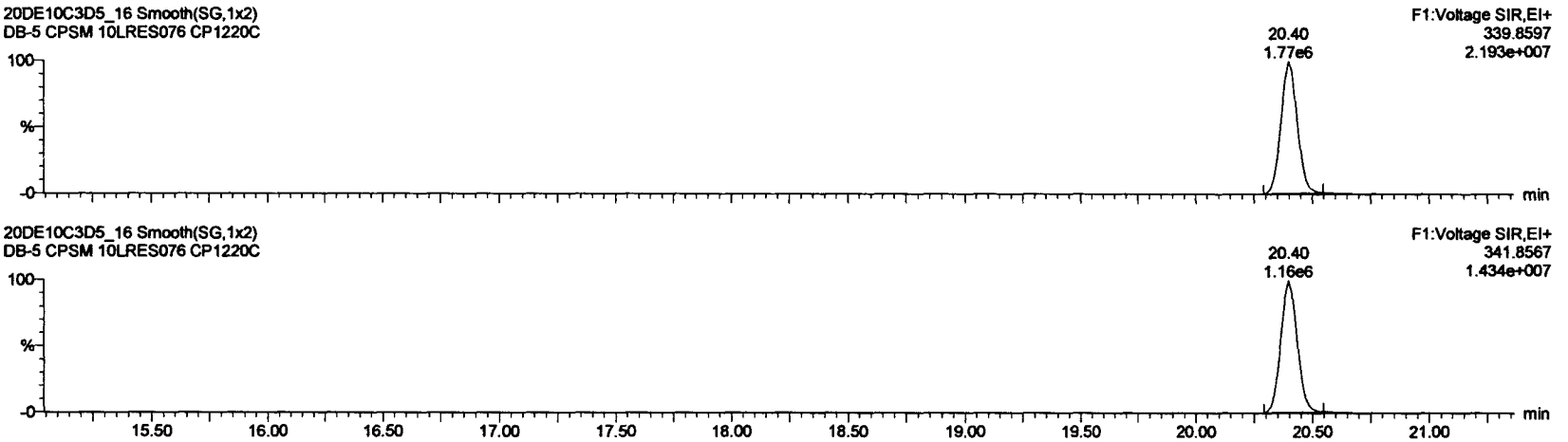

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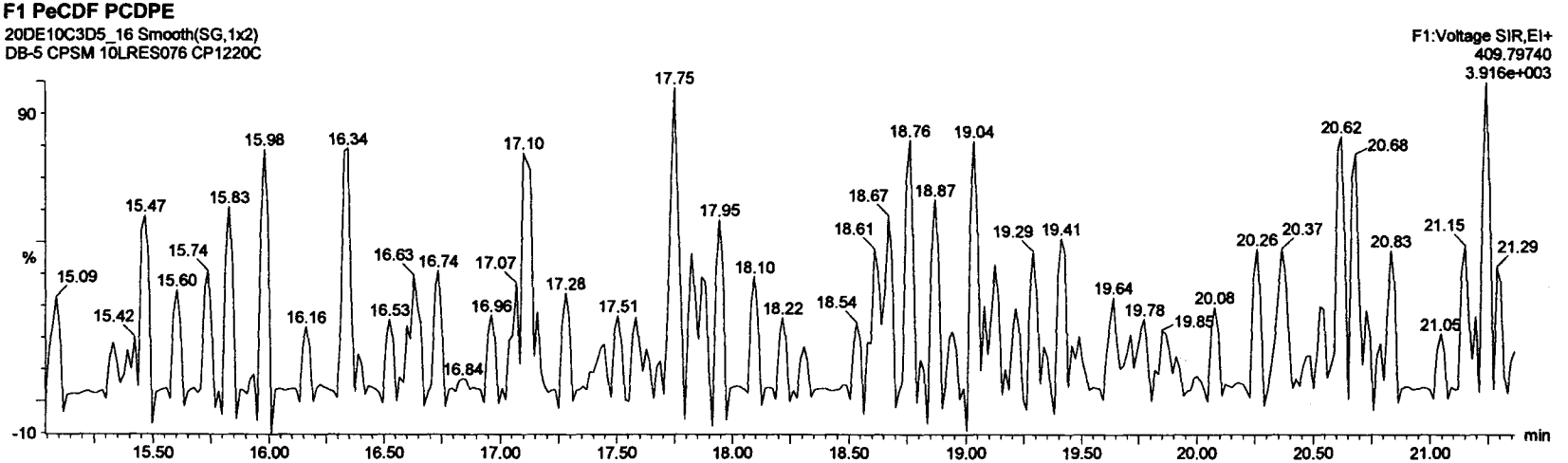

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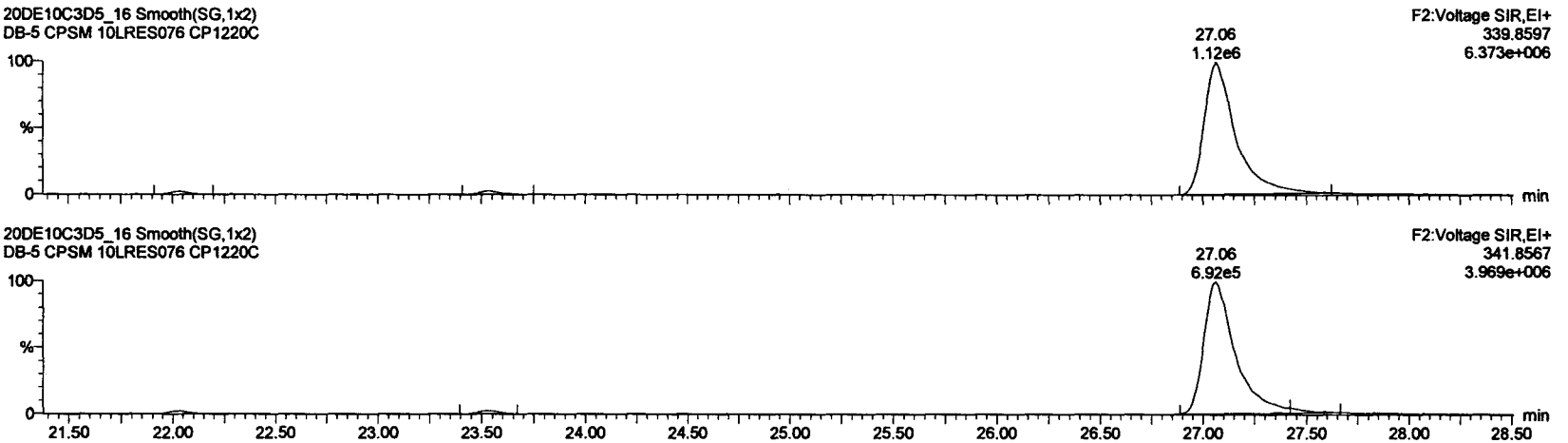
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

PeCDFs



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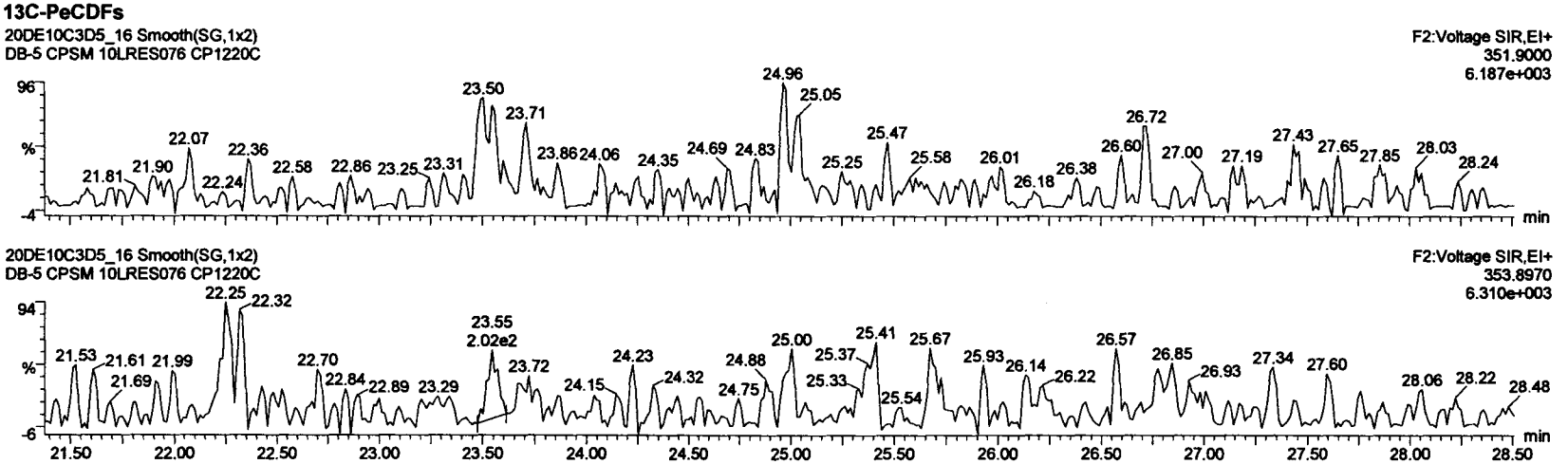

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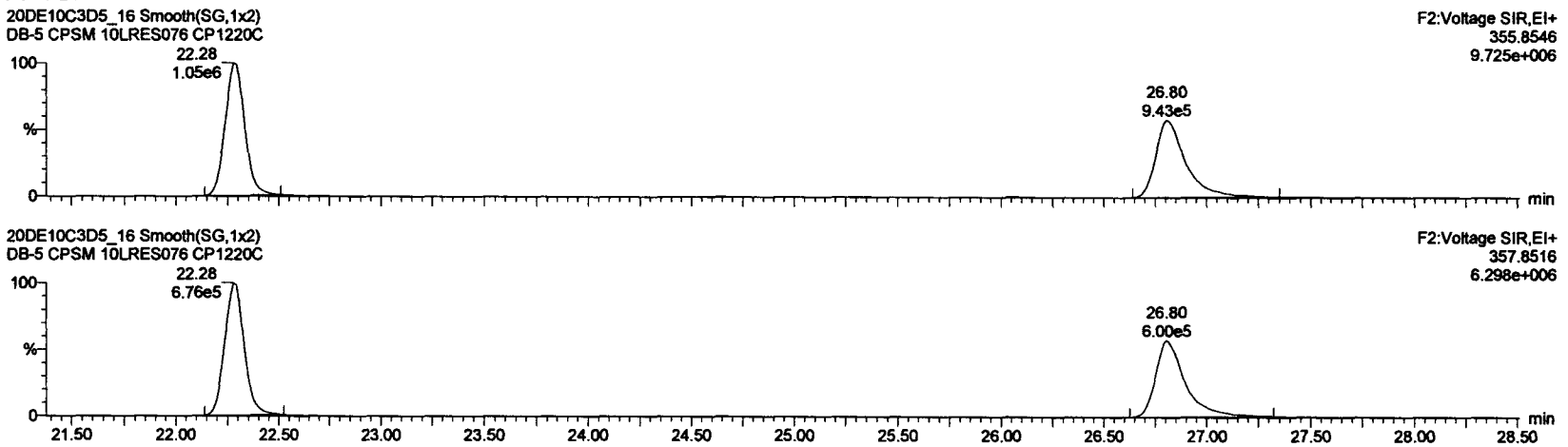
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

PeCDDs



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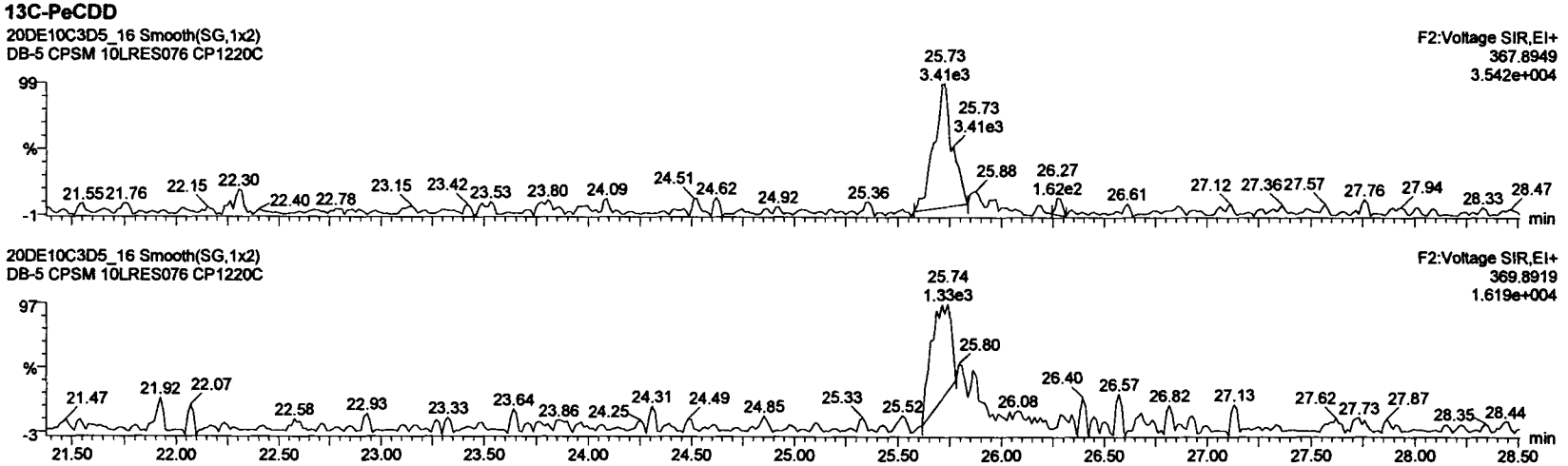

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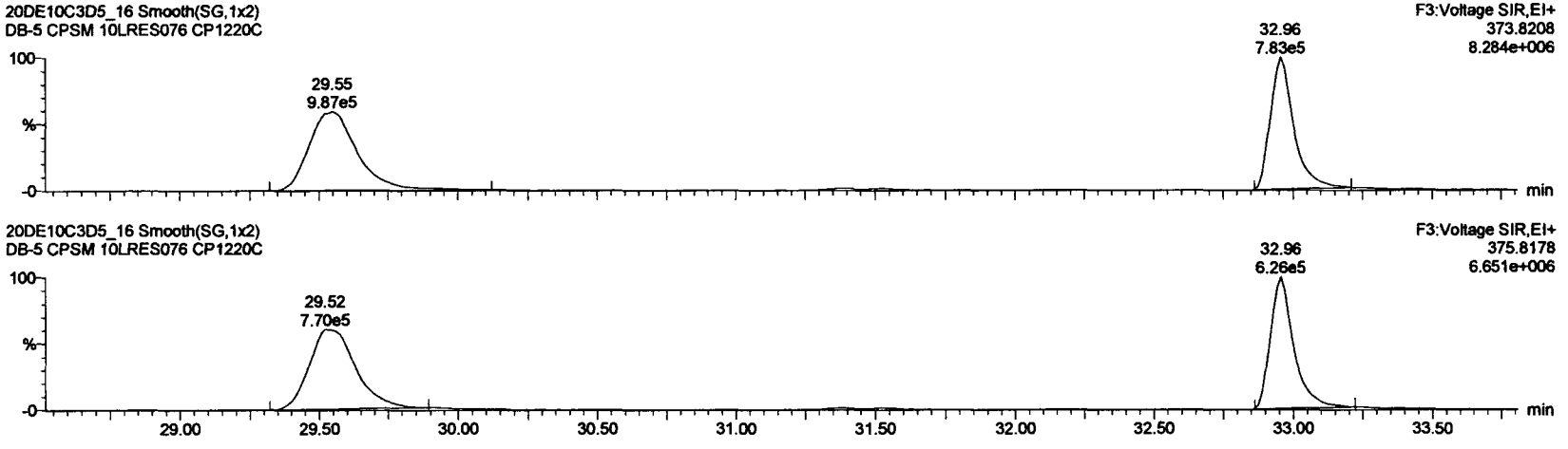
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

HxCDFs



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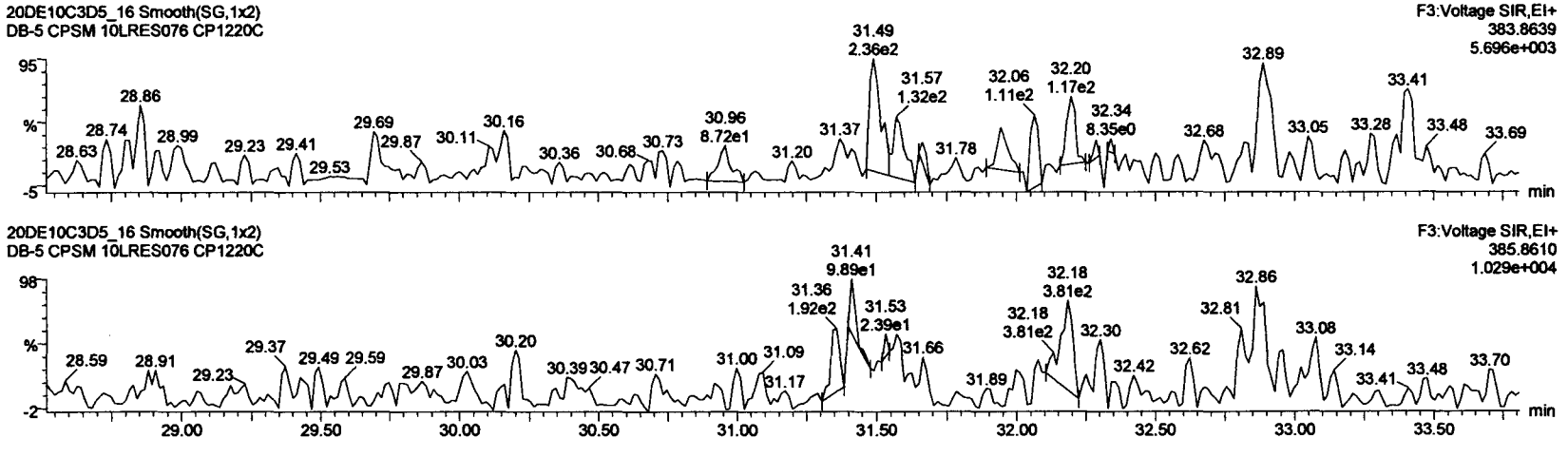

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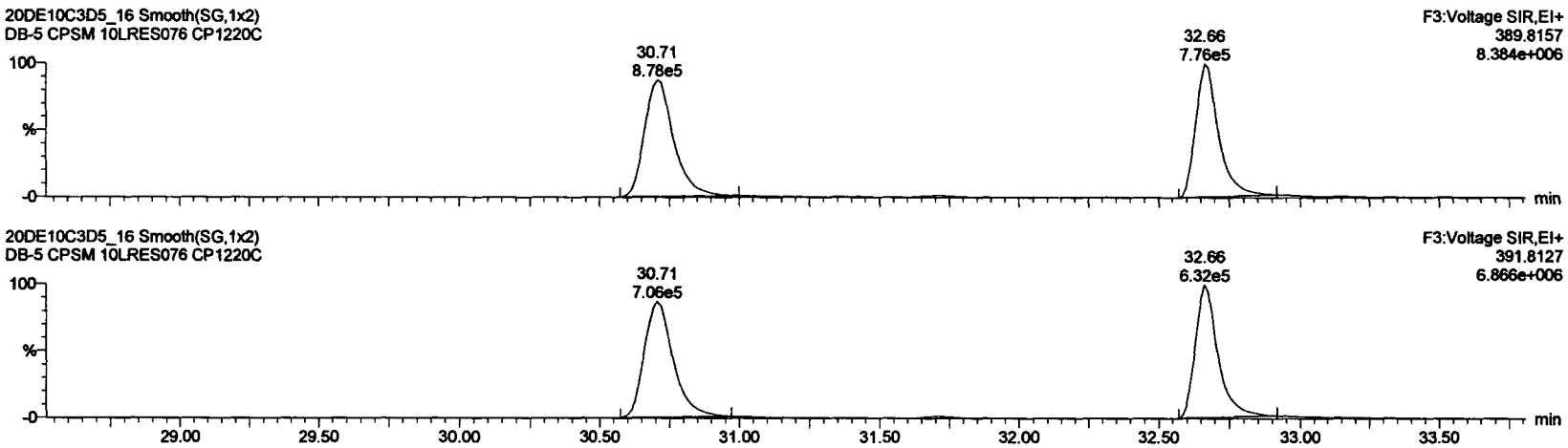
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

HxCDDs



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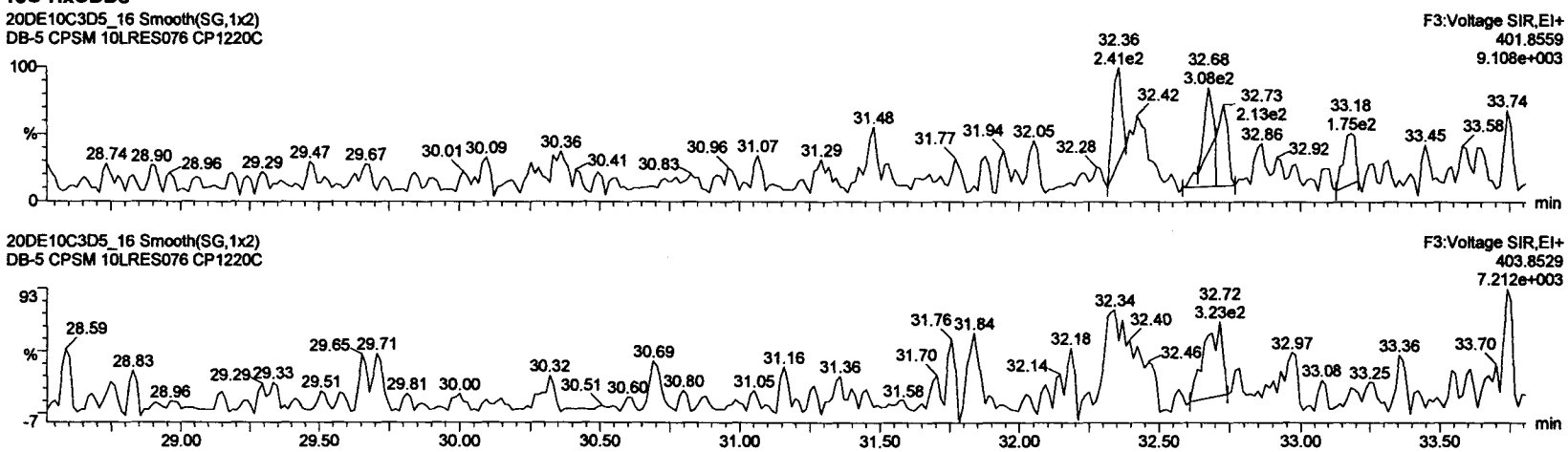

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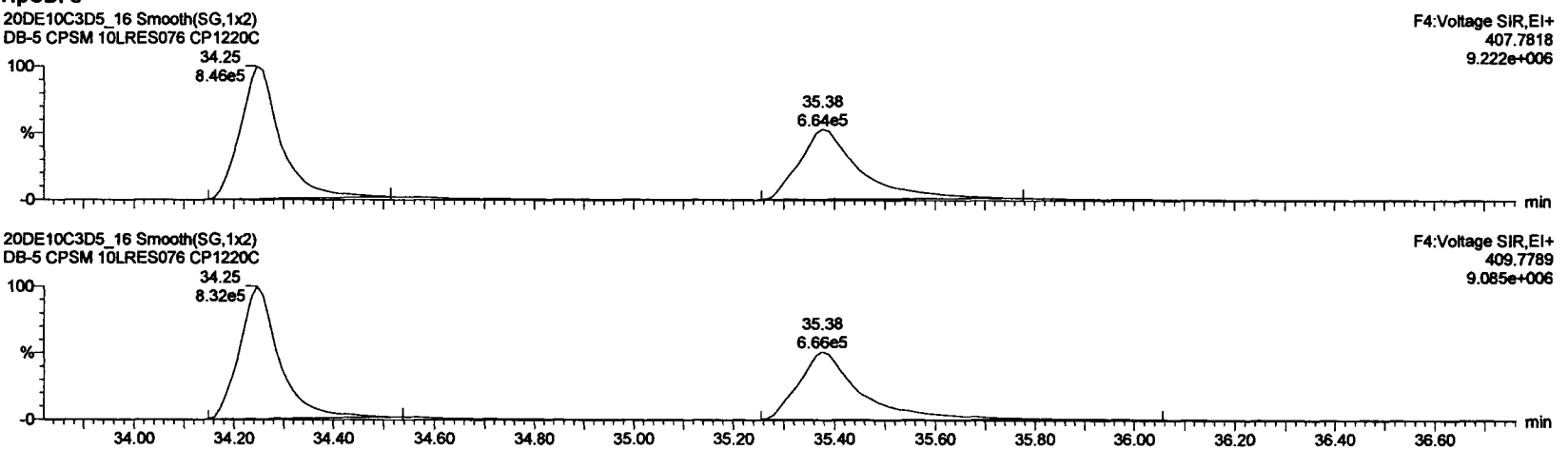
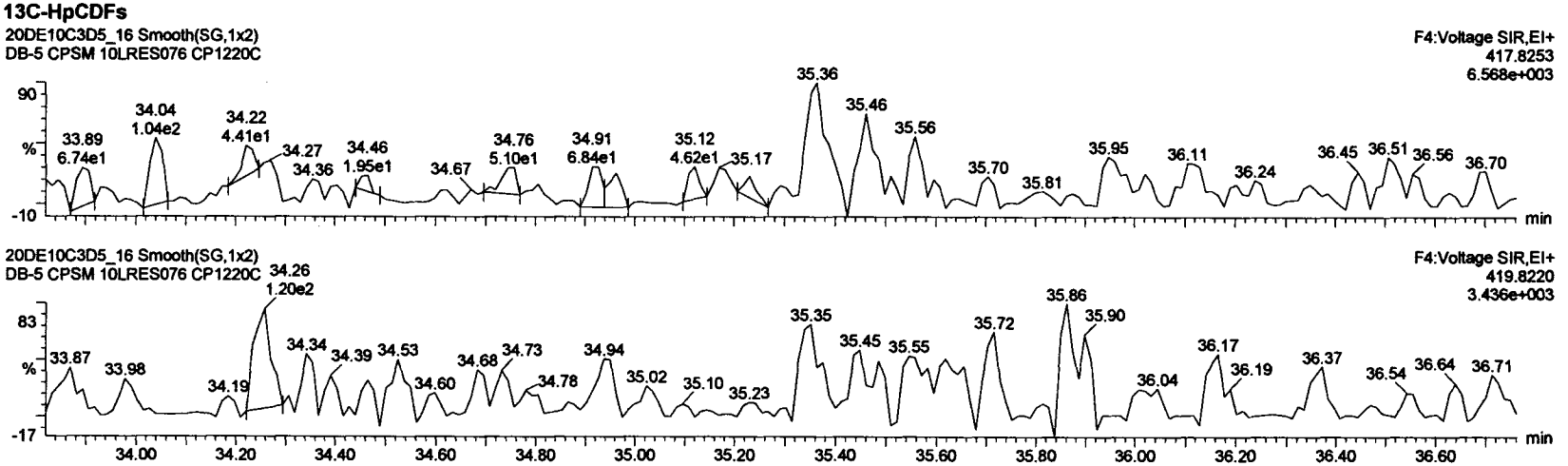
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

HpCDFs



13C-HpCDFs



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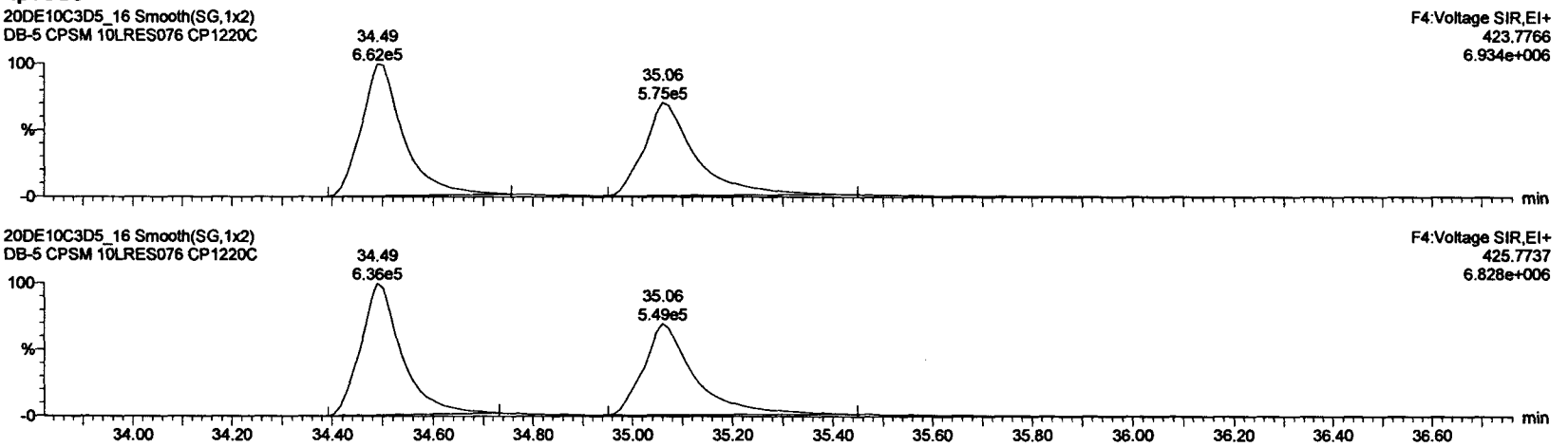
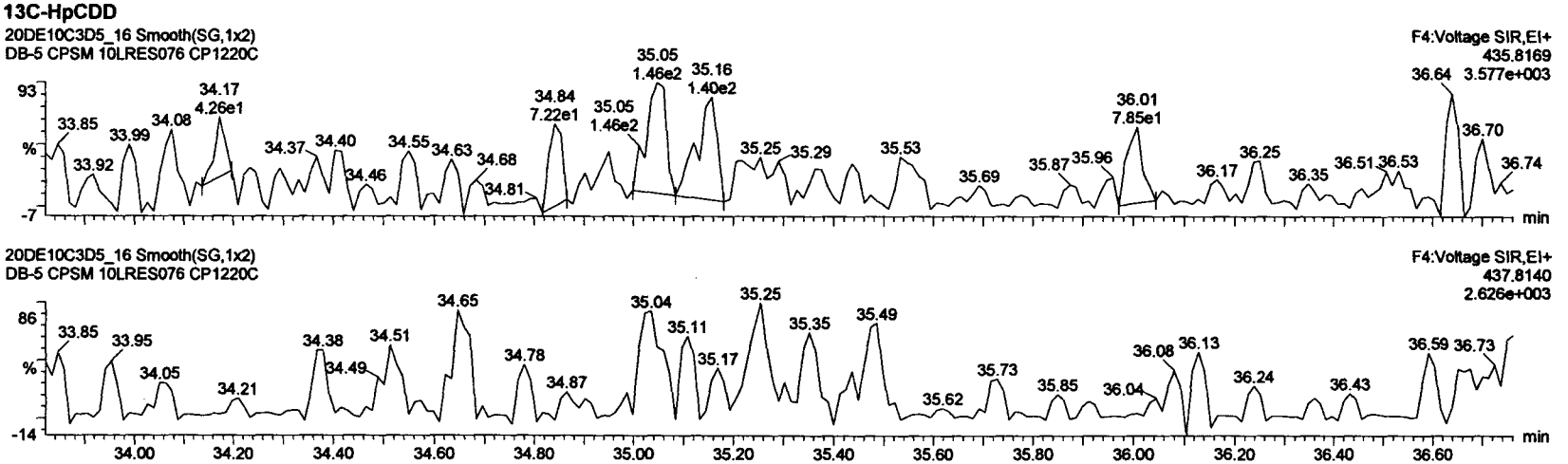
HpCDDs



13C-HpCDD



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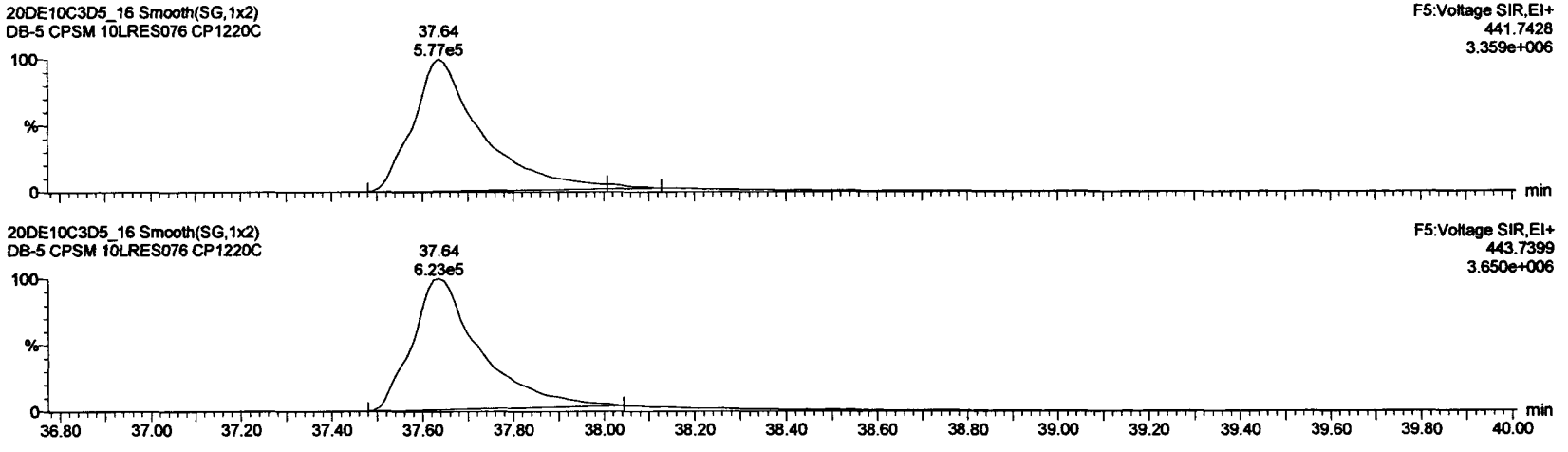
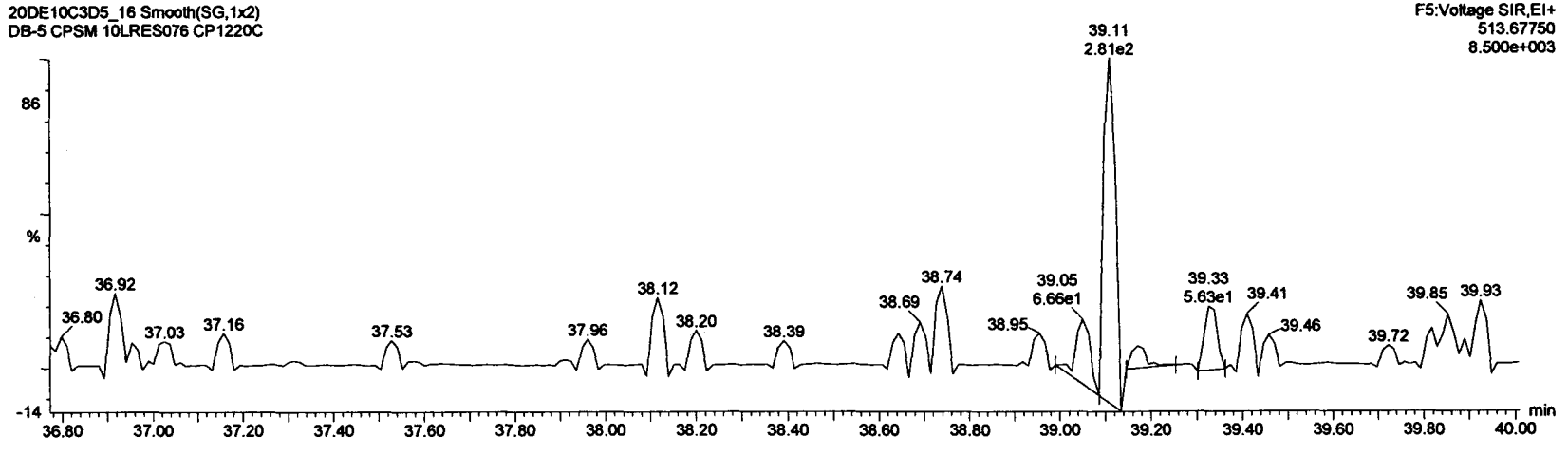
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

OCDFs



OCDF PCDPE



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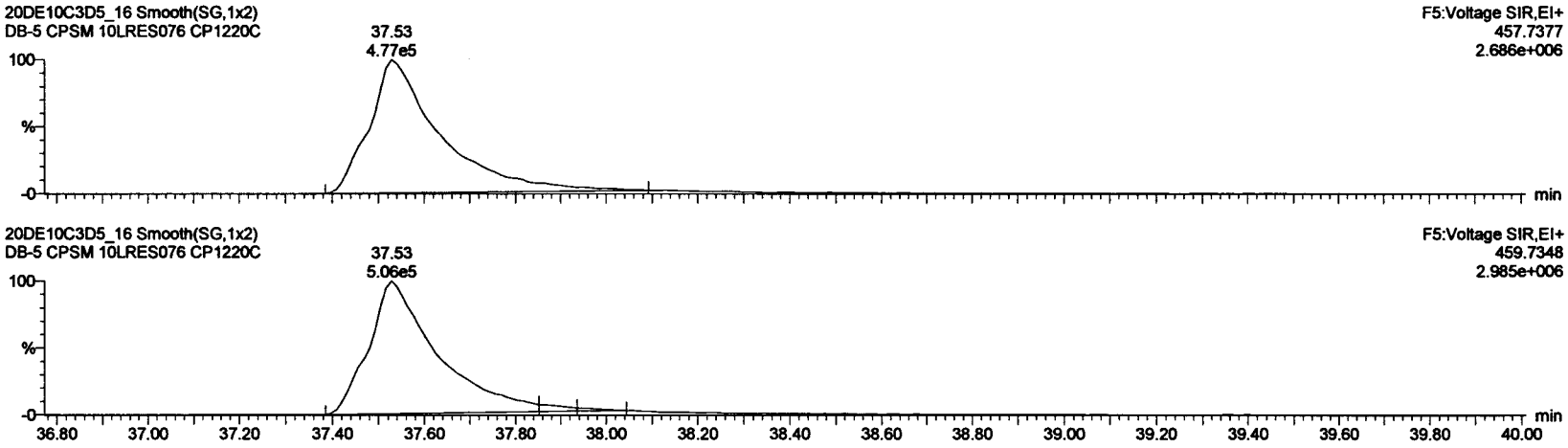
OCDD



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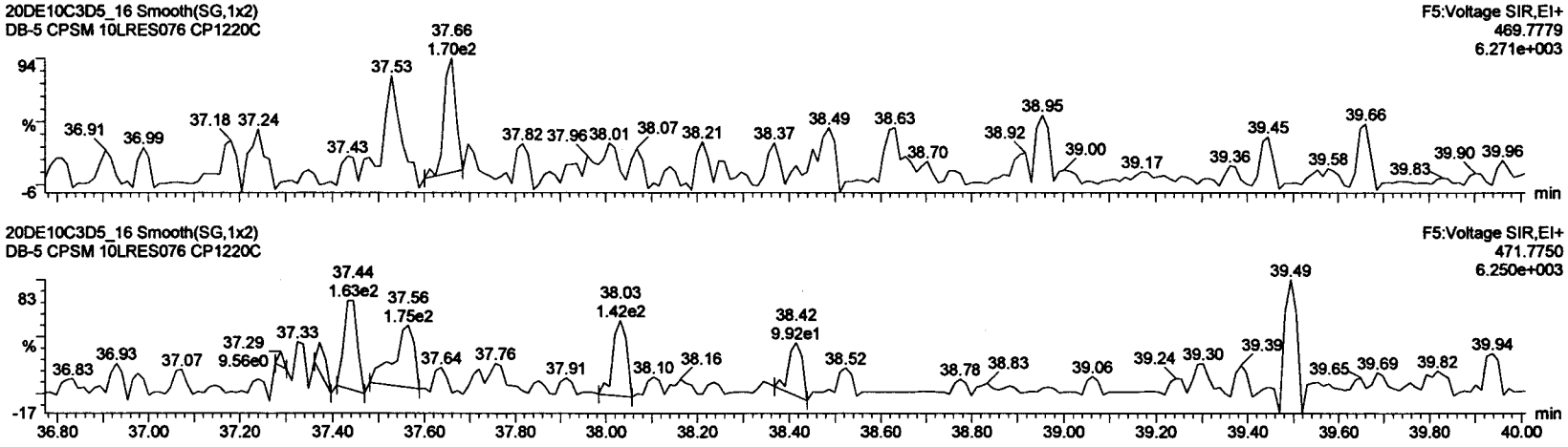

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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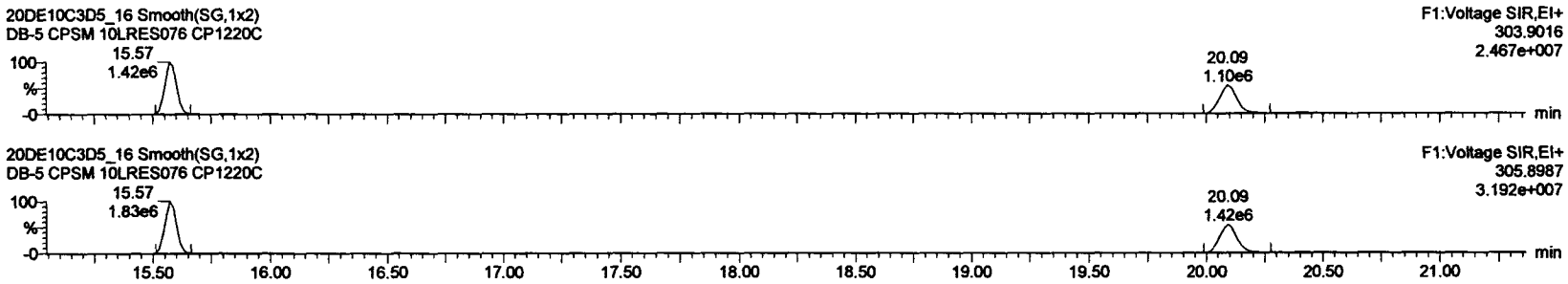
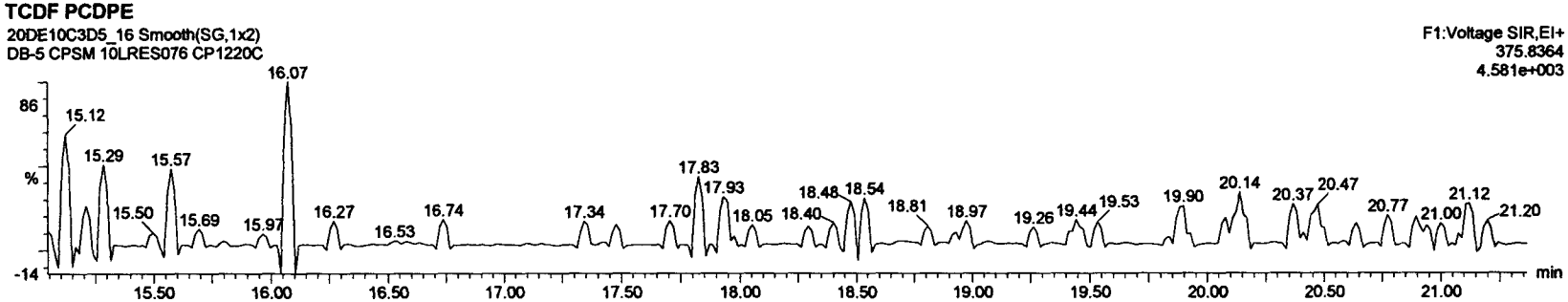
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

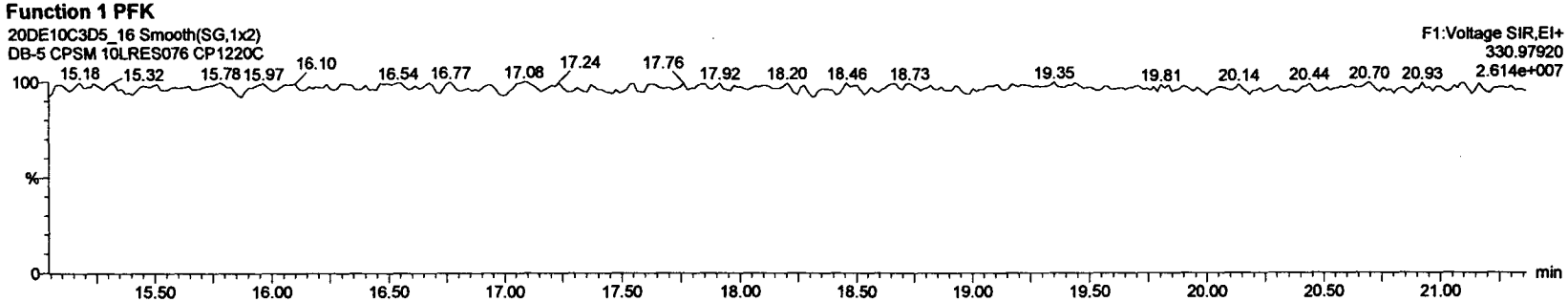
TCDFs



TCDF PCDPE



Function 1 PFK



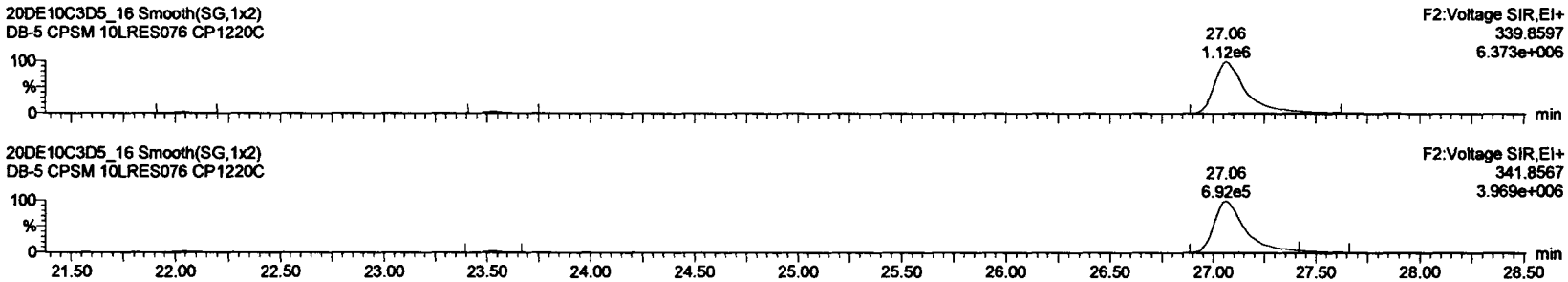
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

PeCDF



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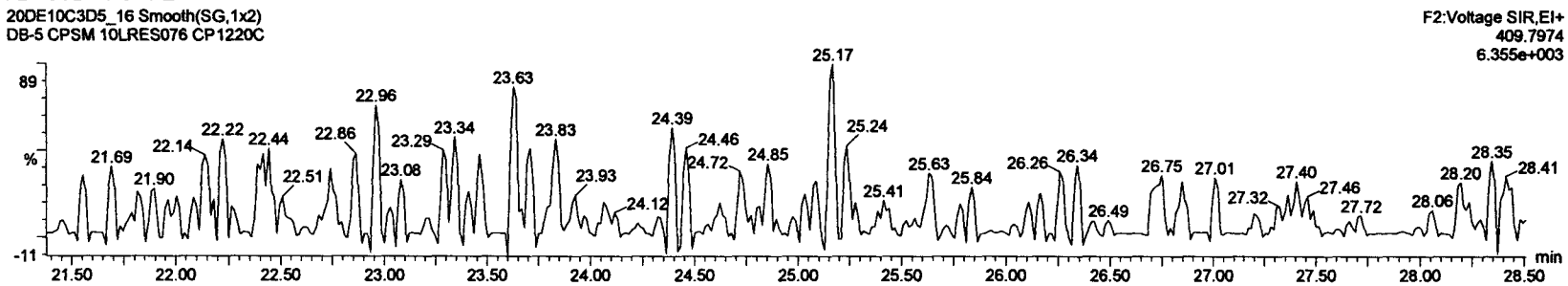

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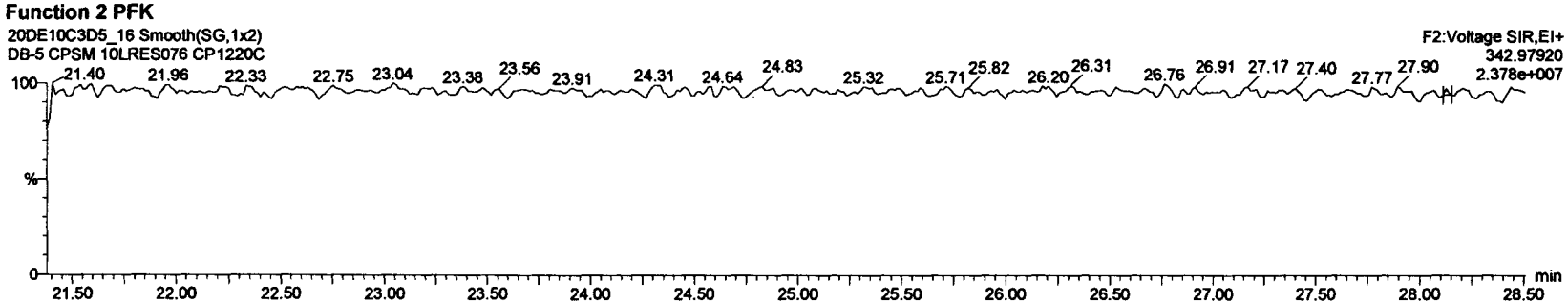

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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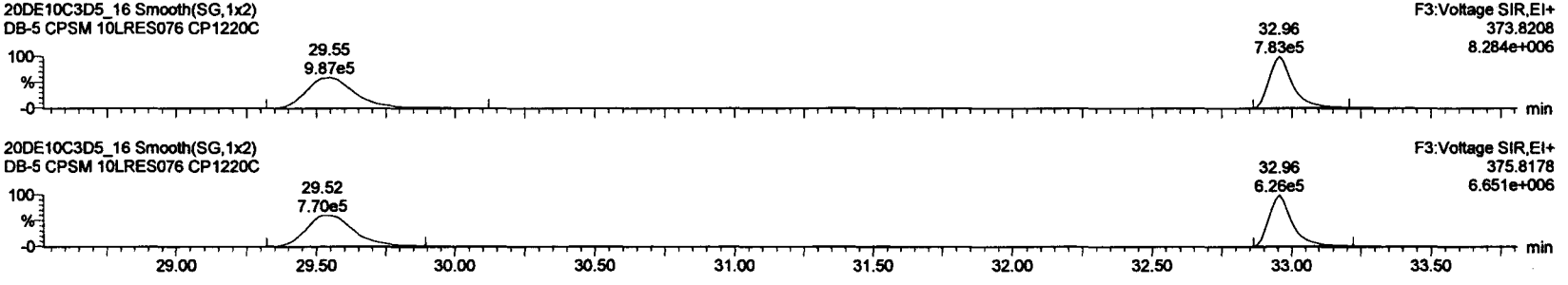
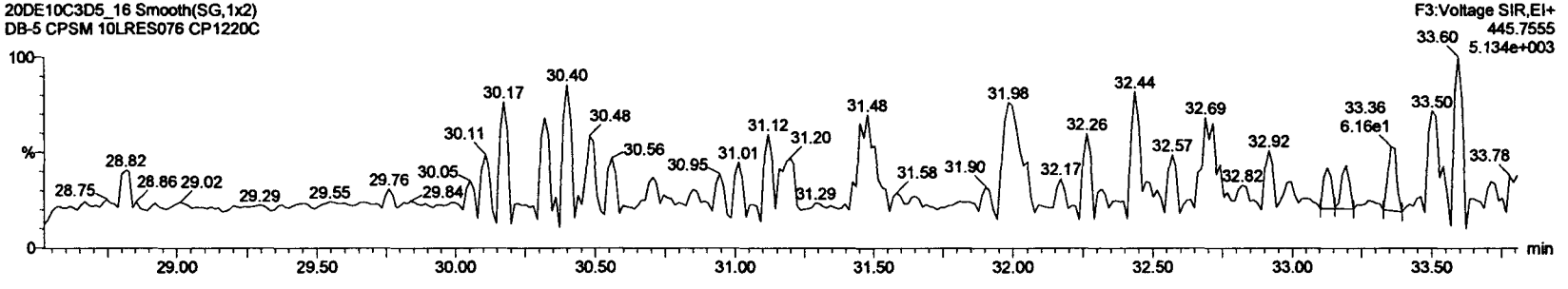
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

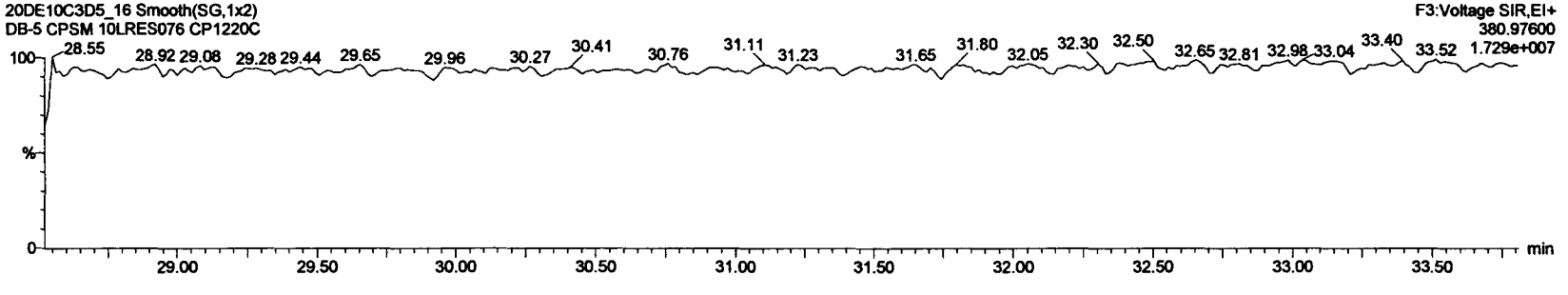
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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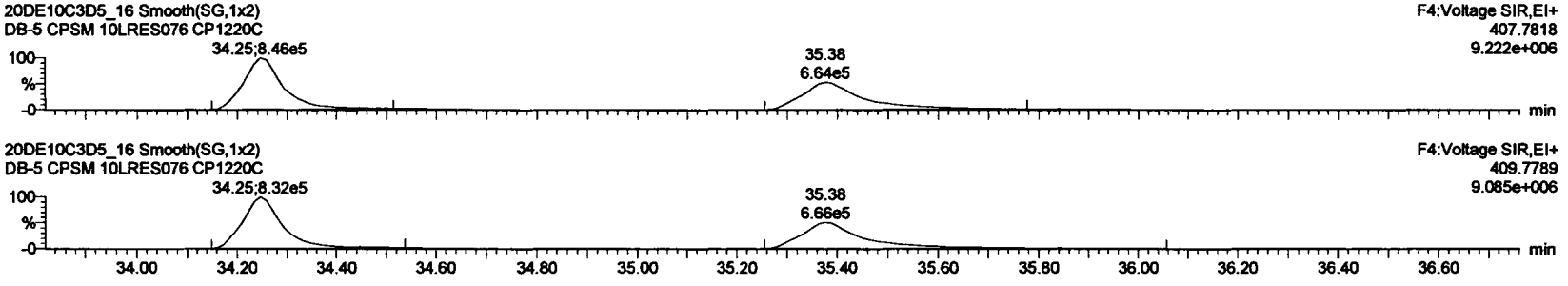
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

HpCDFs



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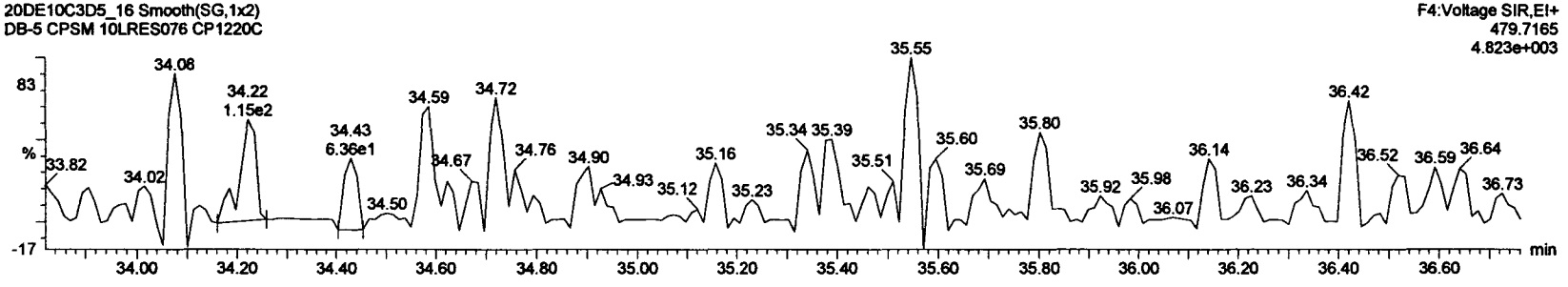
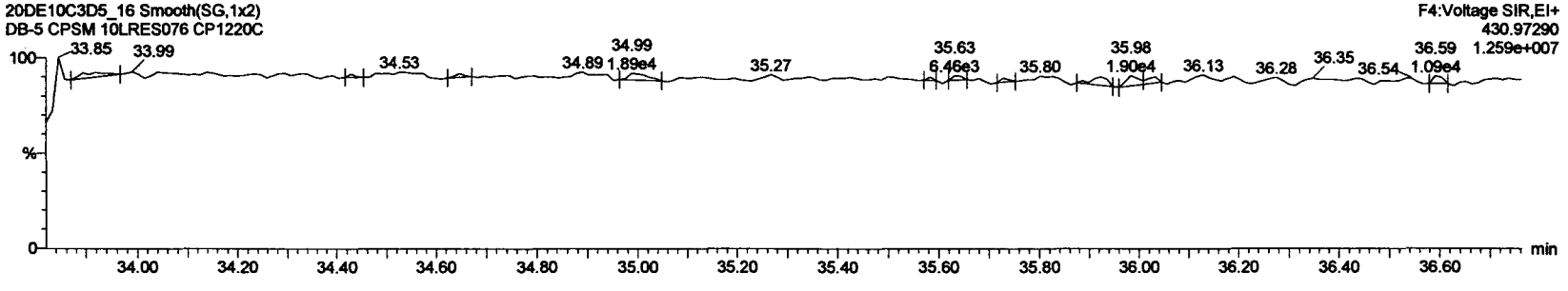


Function 4 PFK



Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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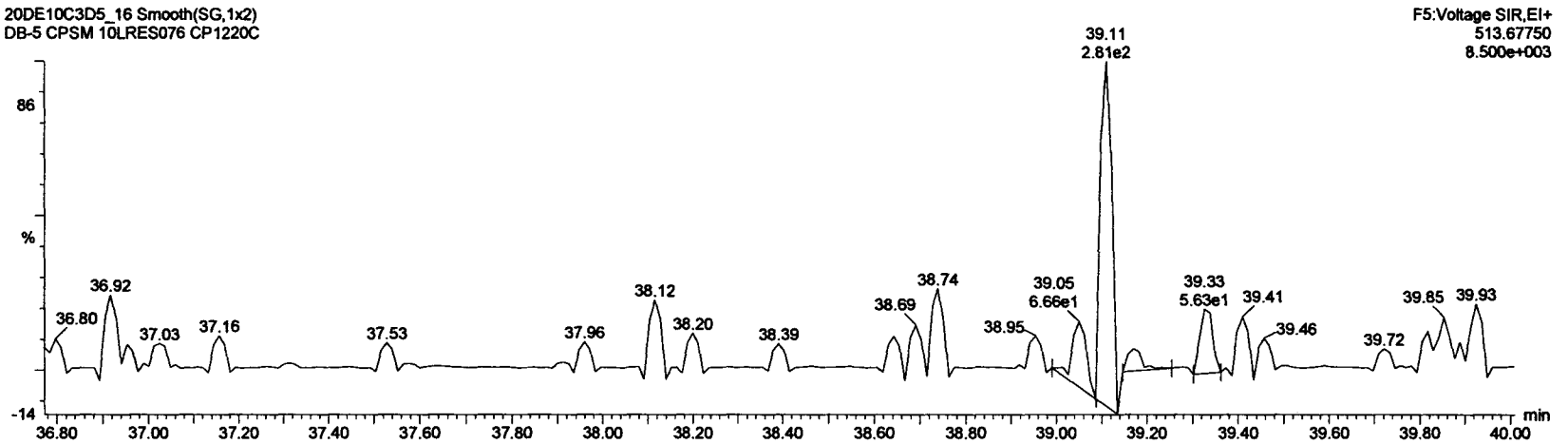
Name: 20DE10C3D5_16, Date: 21-Dec-2010, Time: 04:30:46, ID: CP1220C, Description: DB-5 CPSM 10LRES076

OCDF PCDPE



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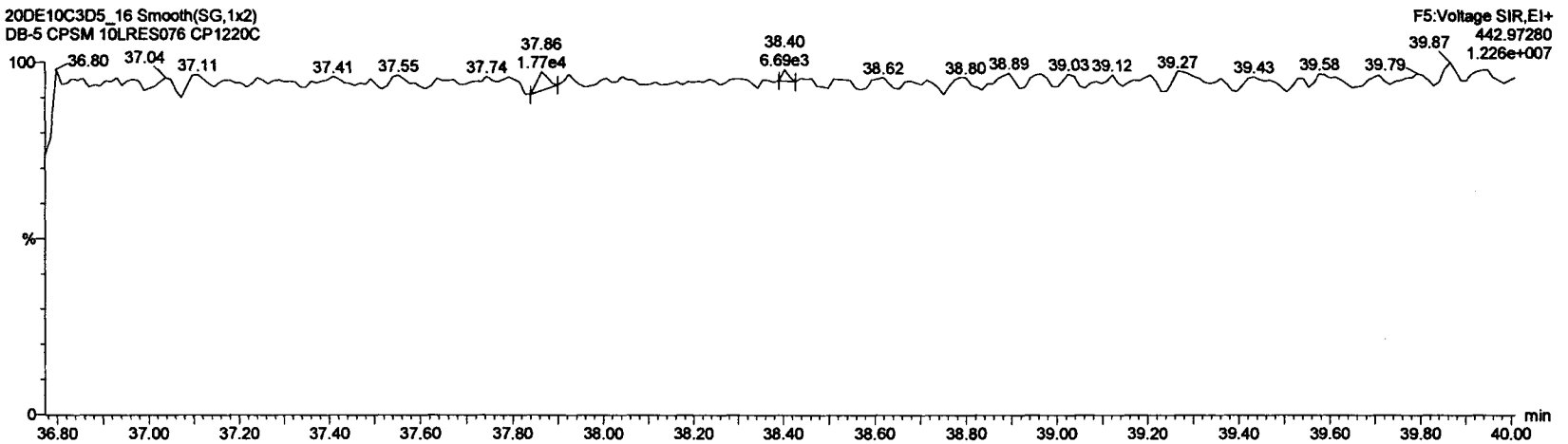

Quantify Sample Report **MassLynx 4.1**

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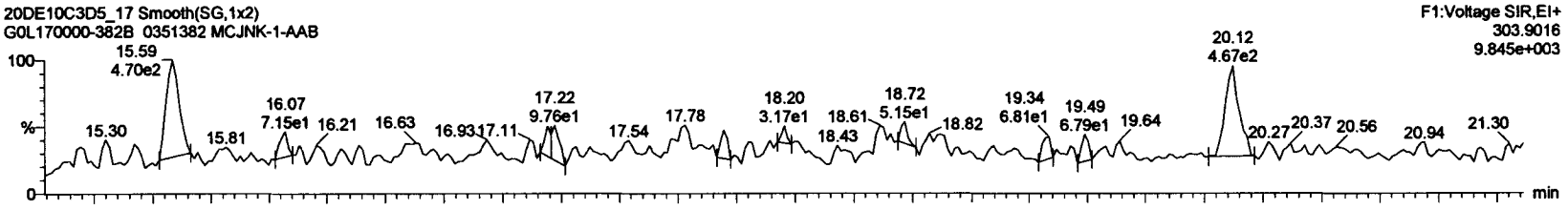
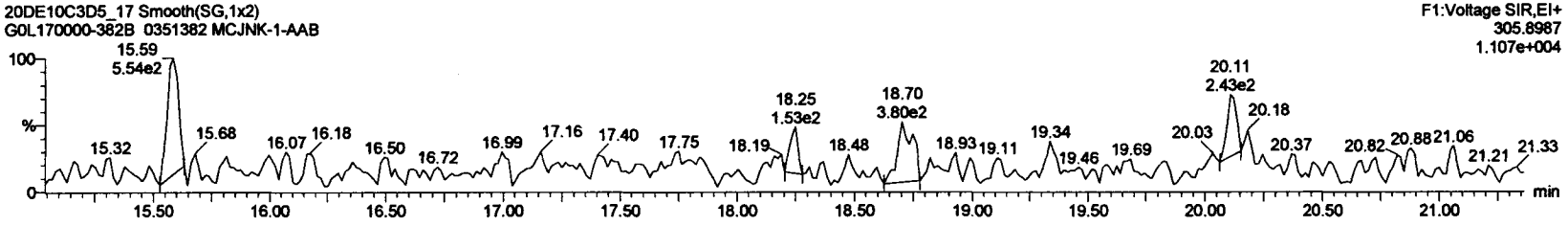
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

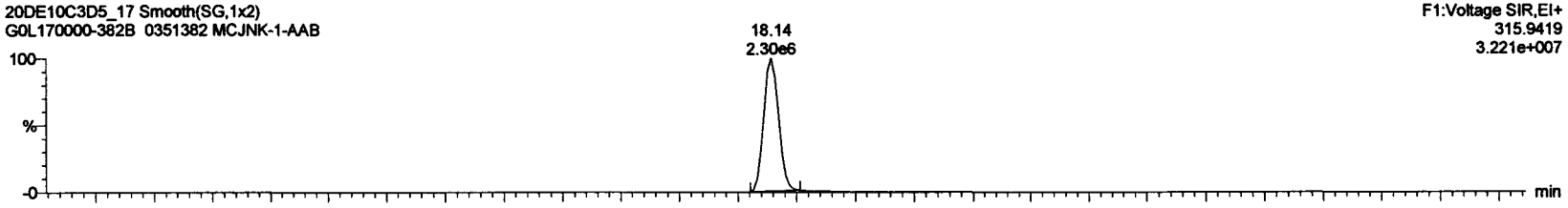
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

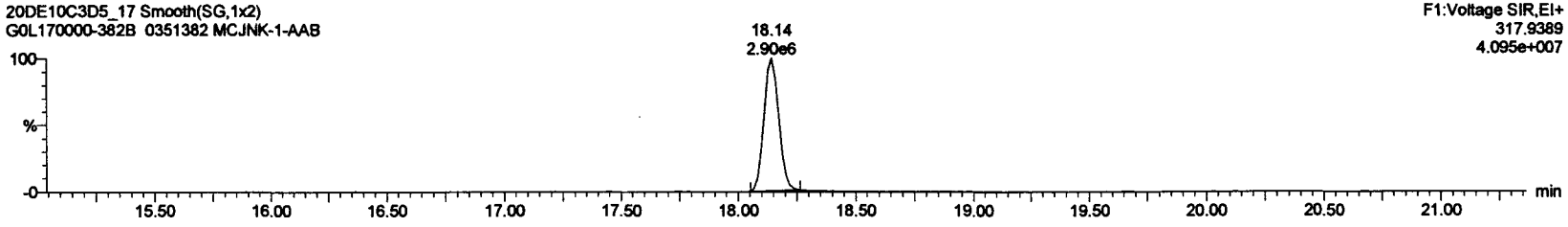
TCDFs





13C-TCDF





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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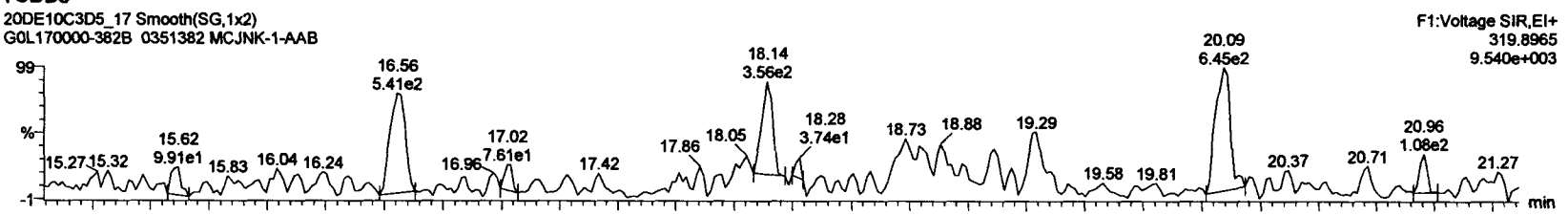
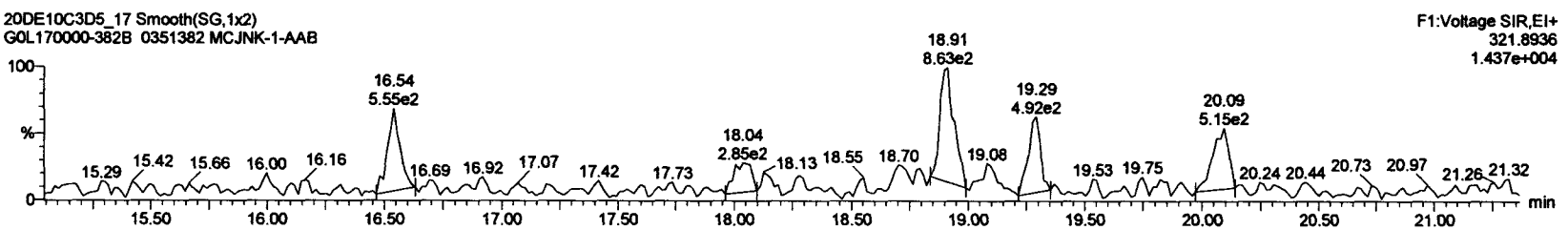
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

TCDDs





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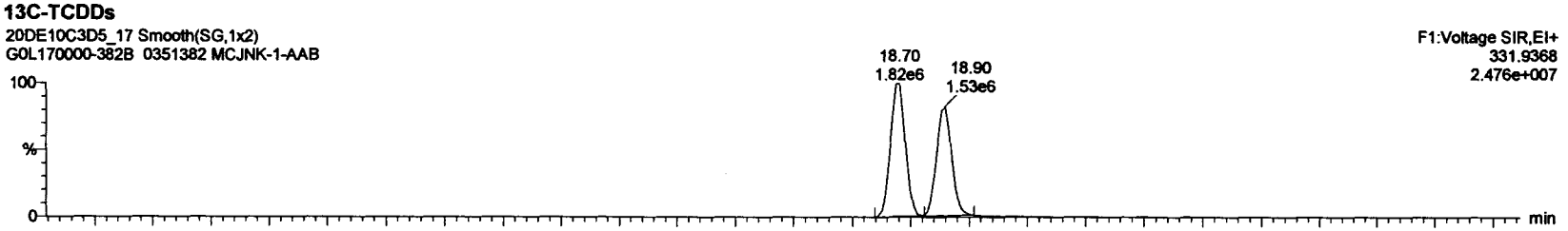

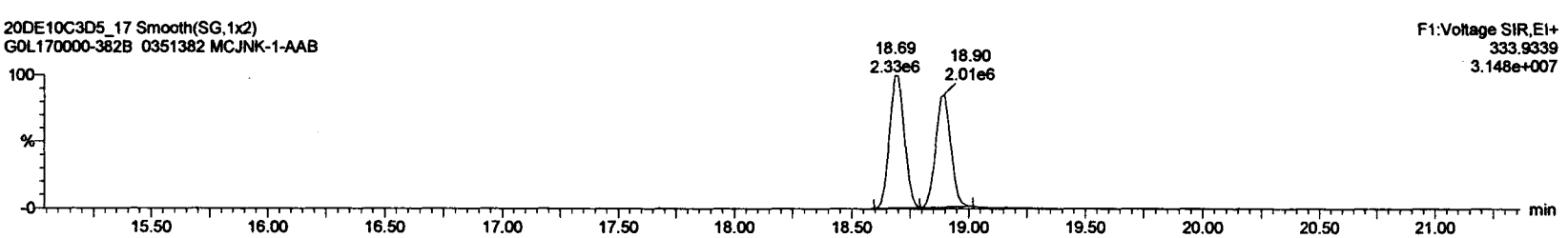

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

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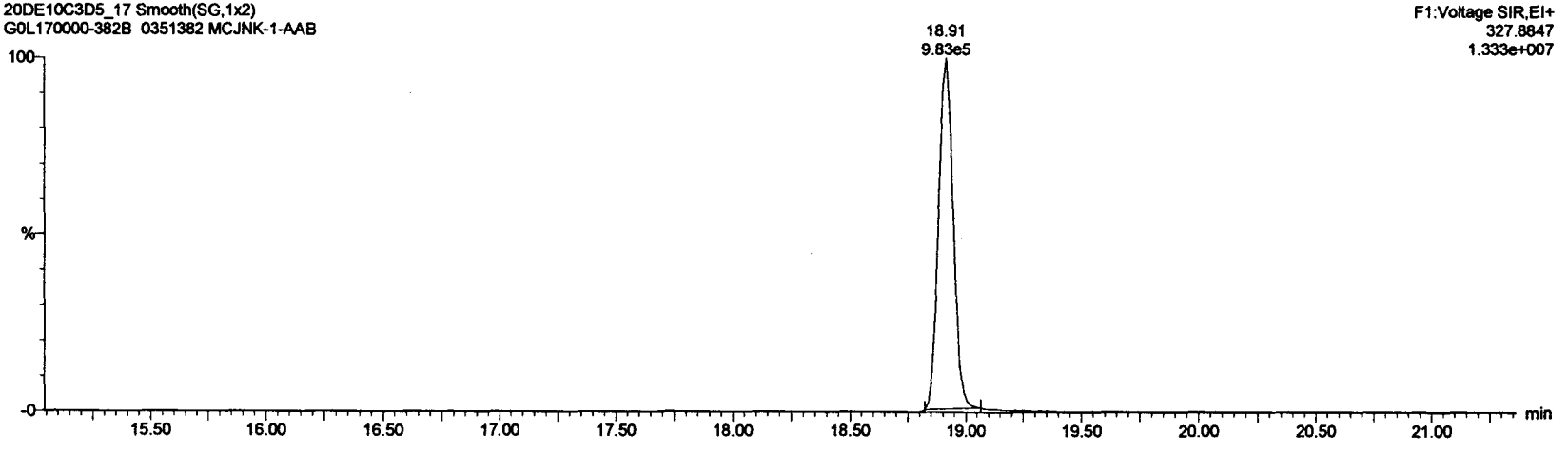

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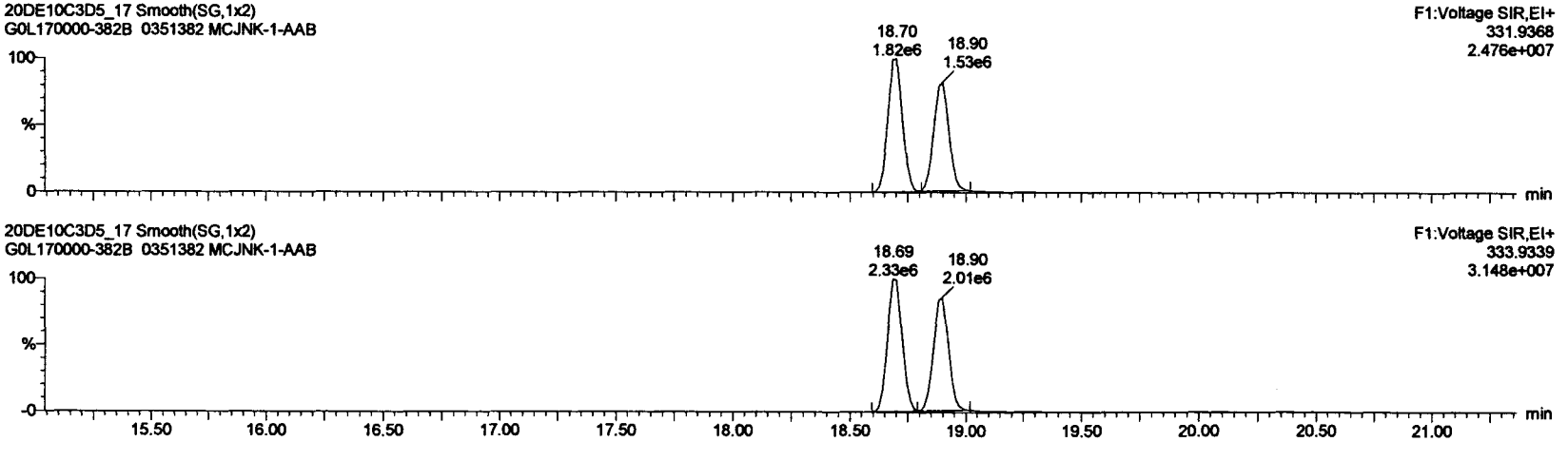

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

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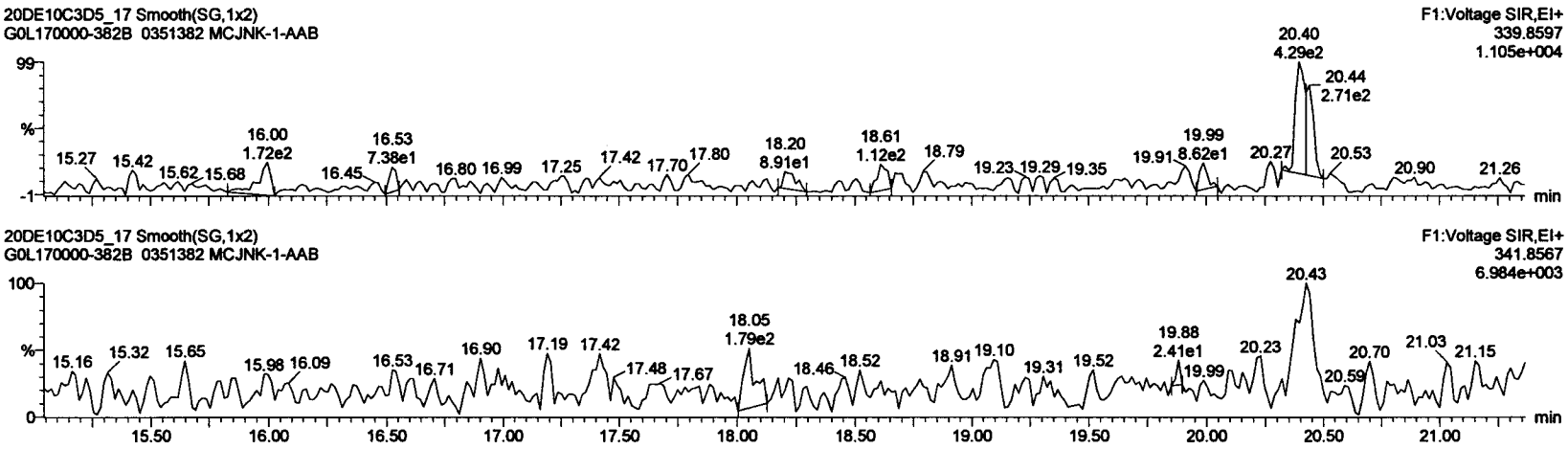

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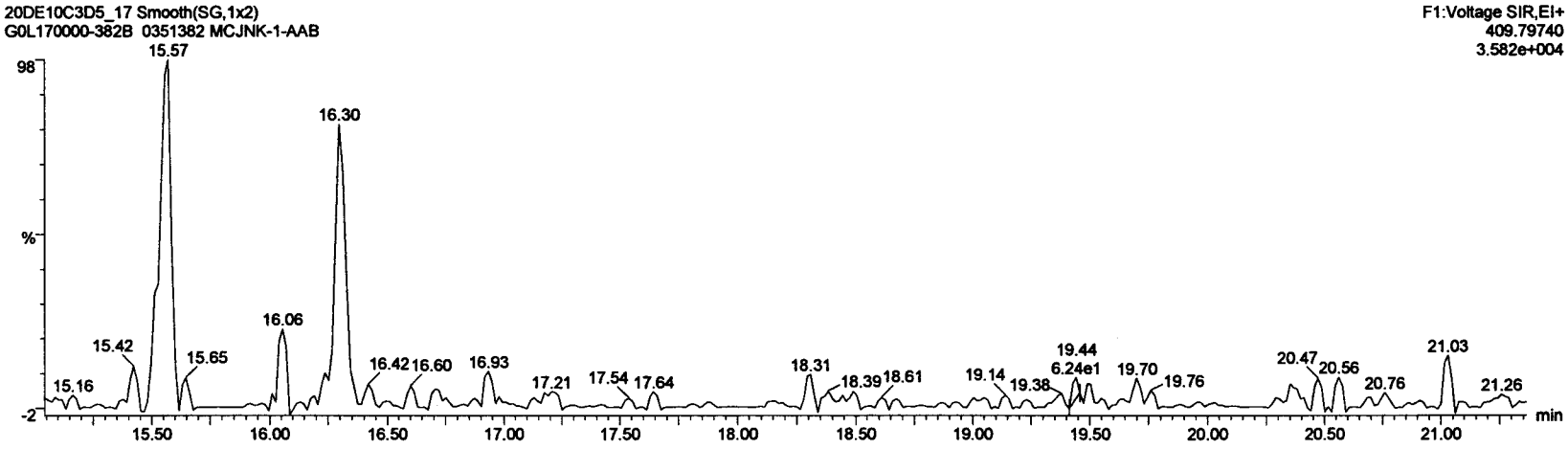

Quantify Sample Report **MassLynx 4.1**

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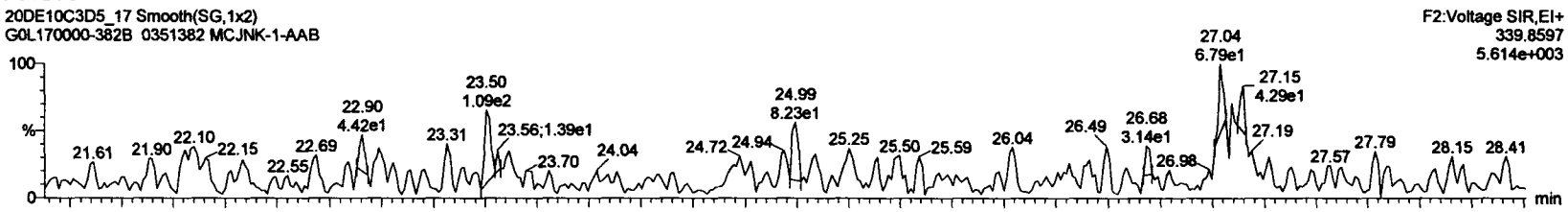

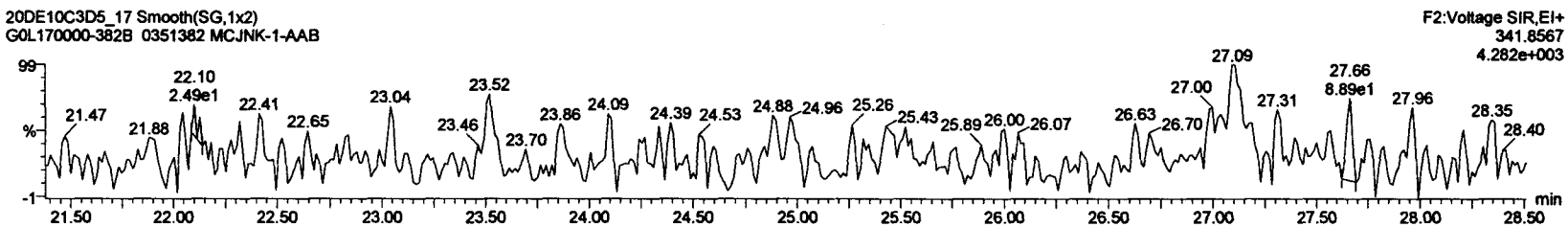

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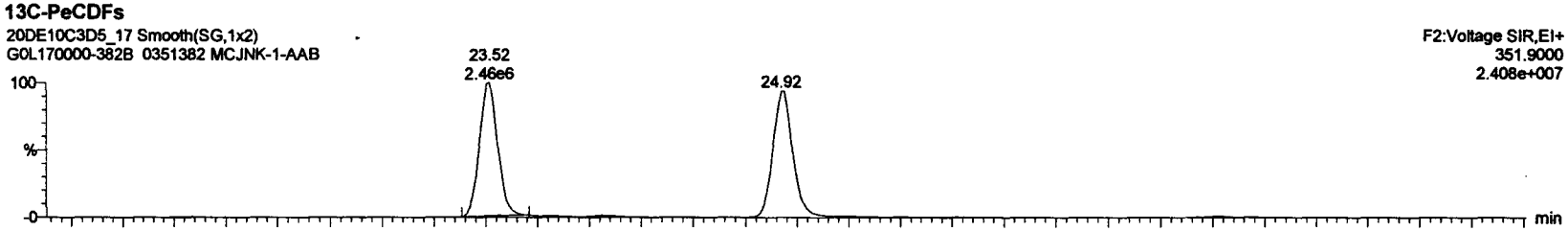

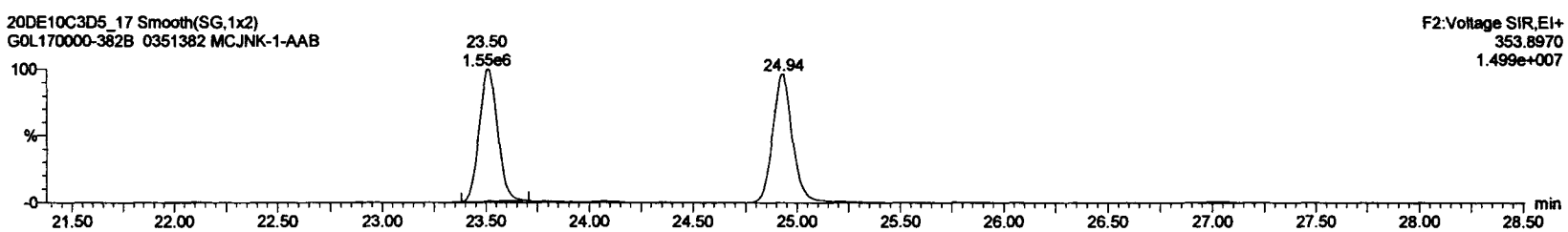

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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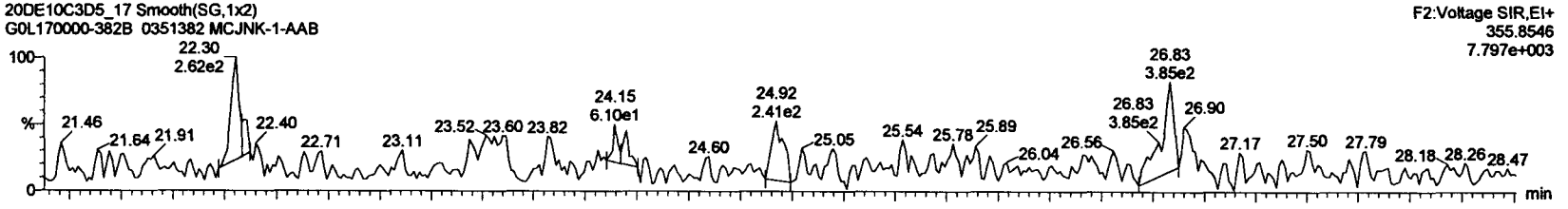
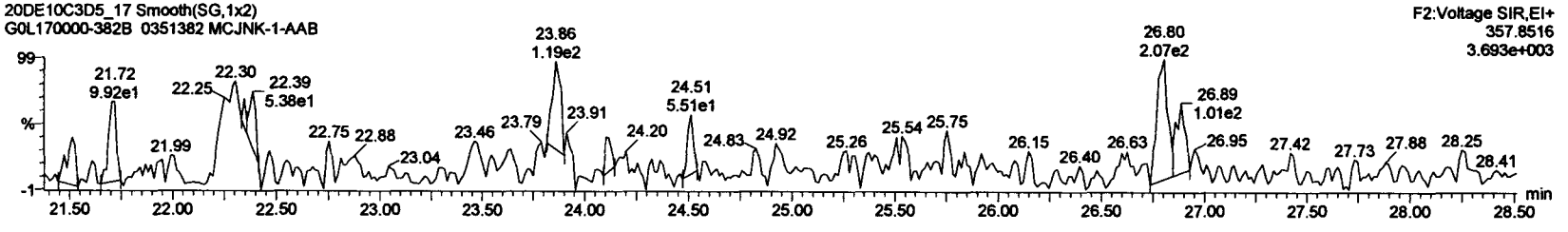
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

PeCDDs





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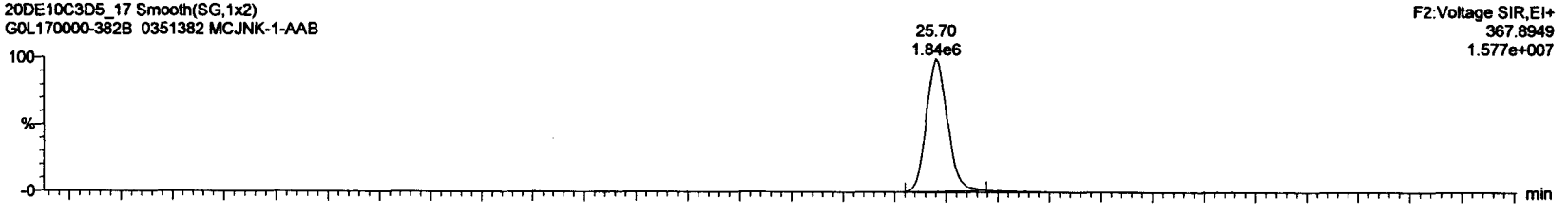

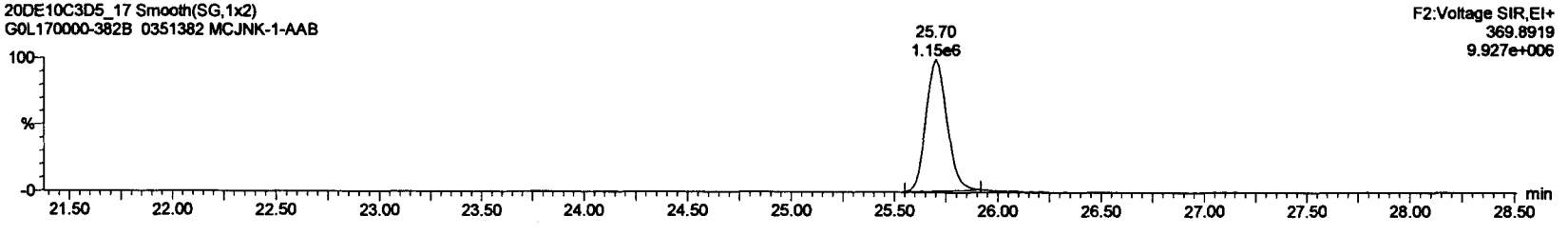

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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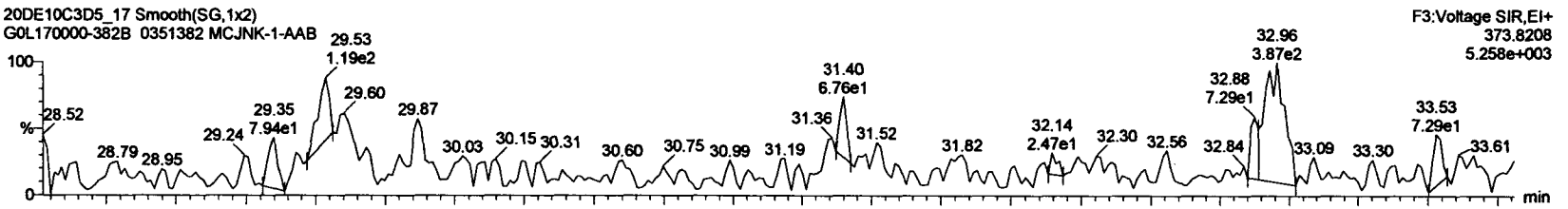
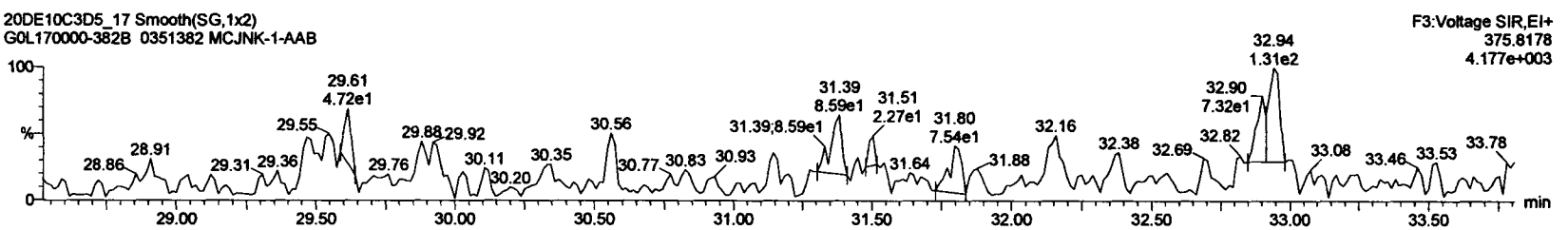
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

HxCDFs





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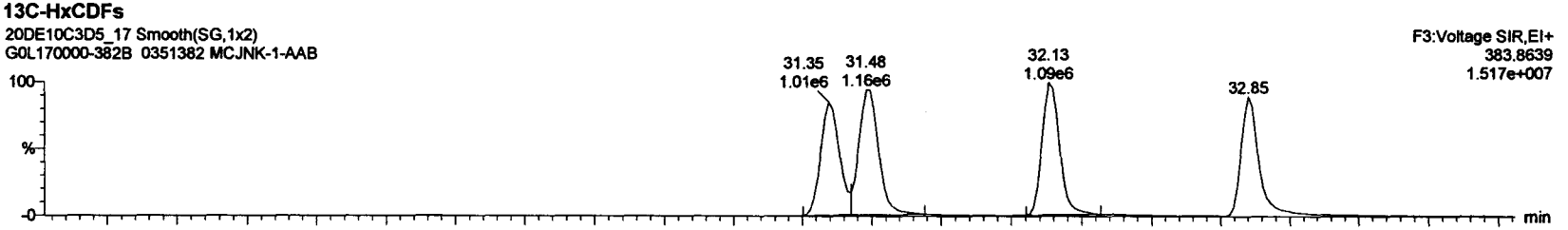

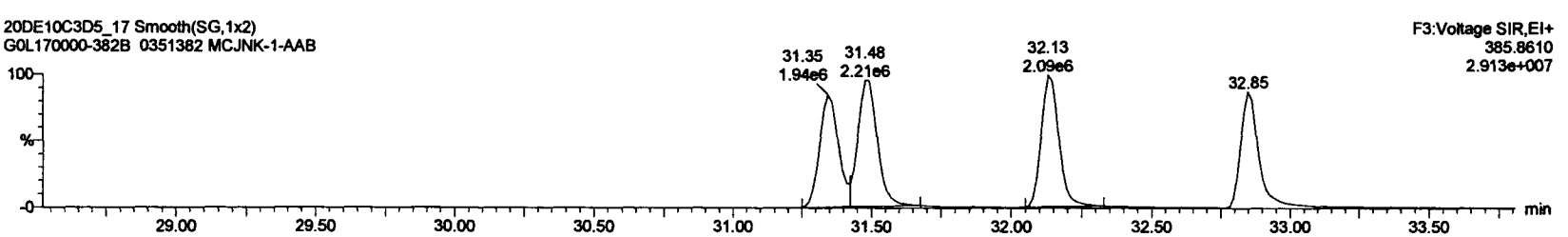

Quantify Sample Report **MassLynx 4.1**

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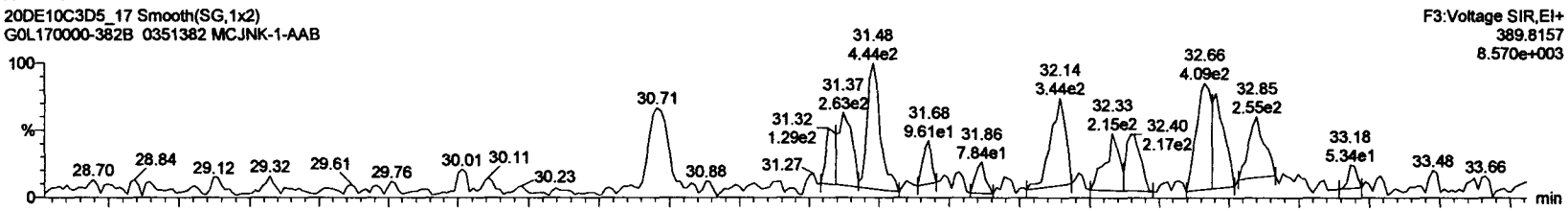
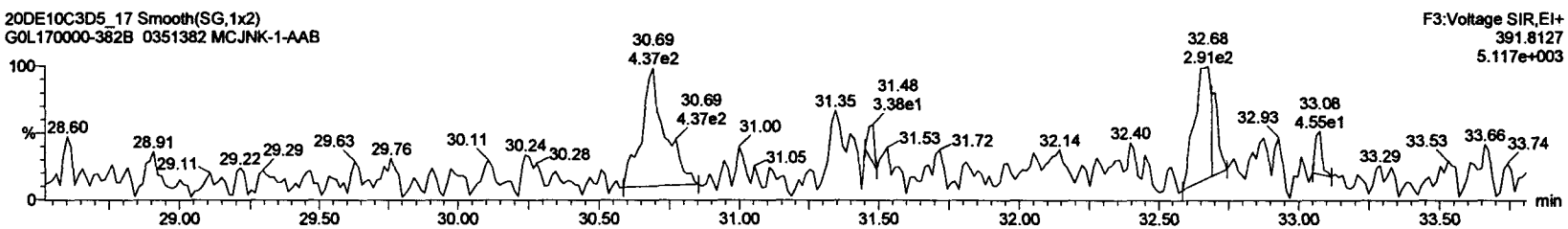
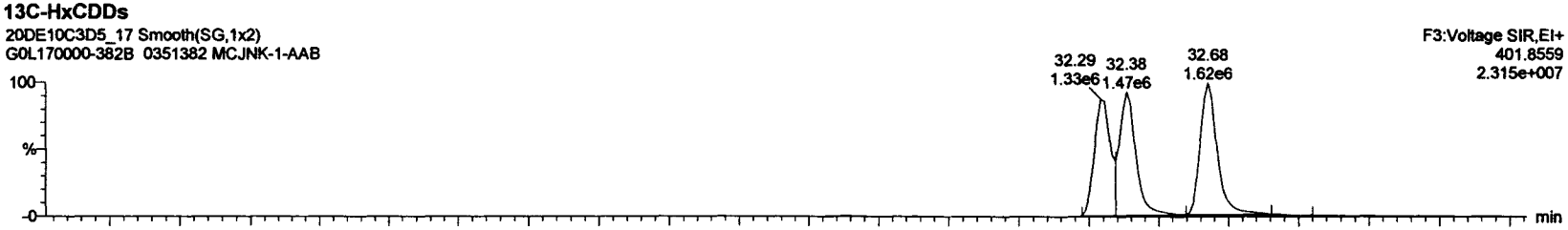
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

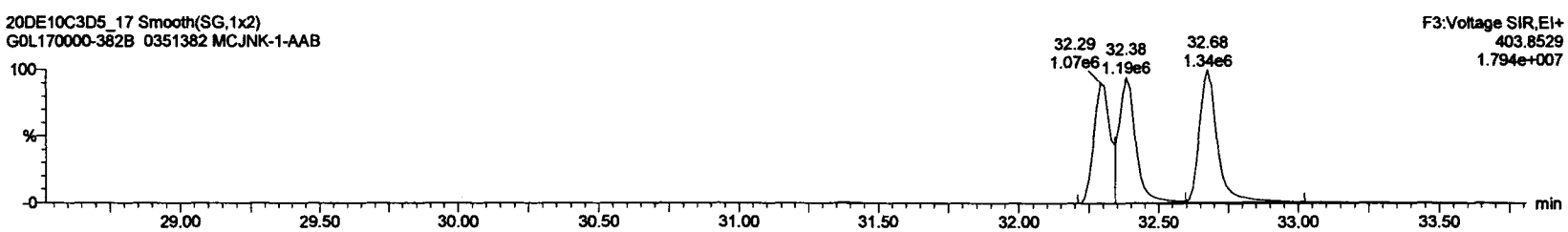
HxCDDs





13C-HxCDDs





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

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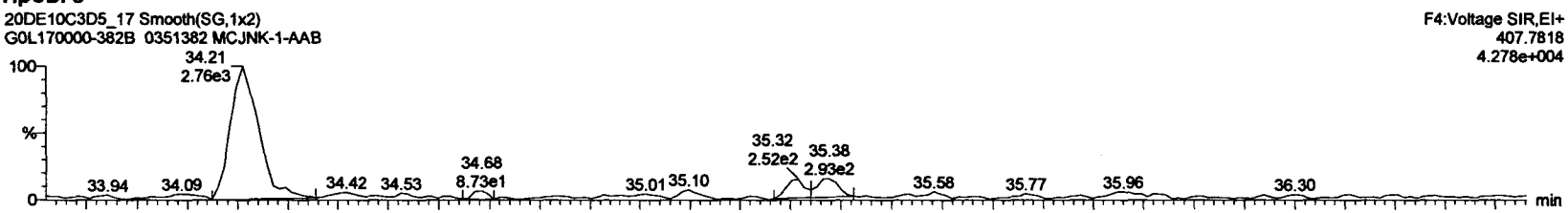
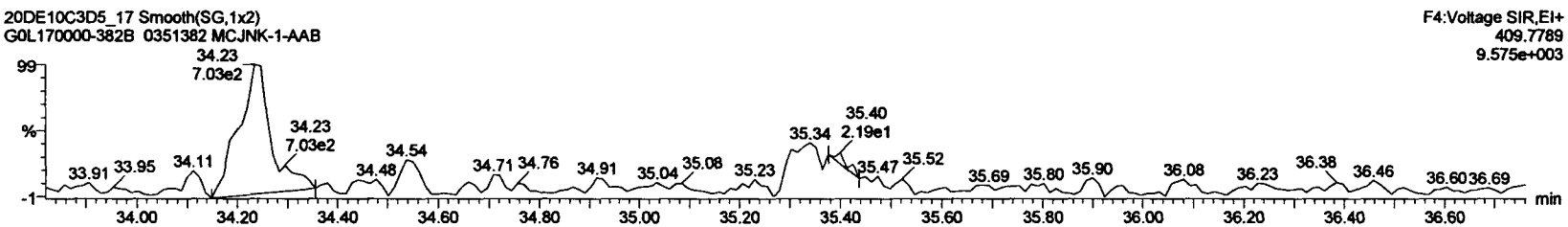
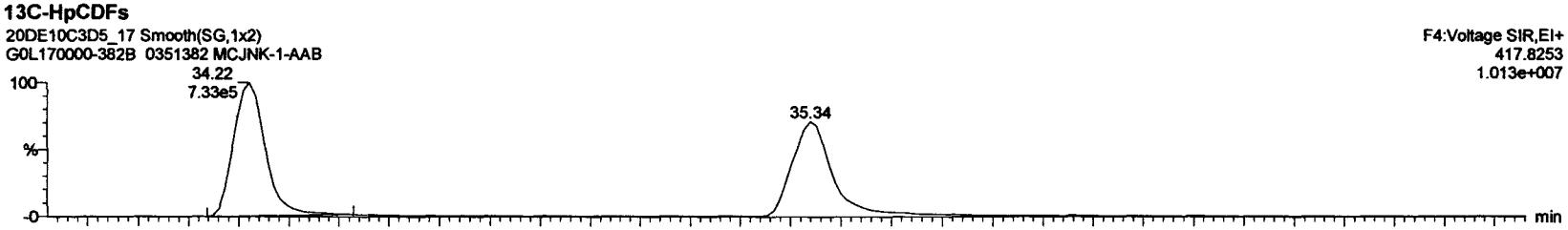
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

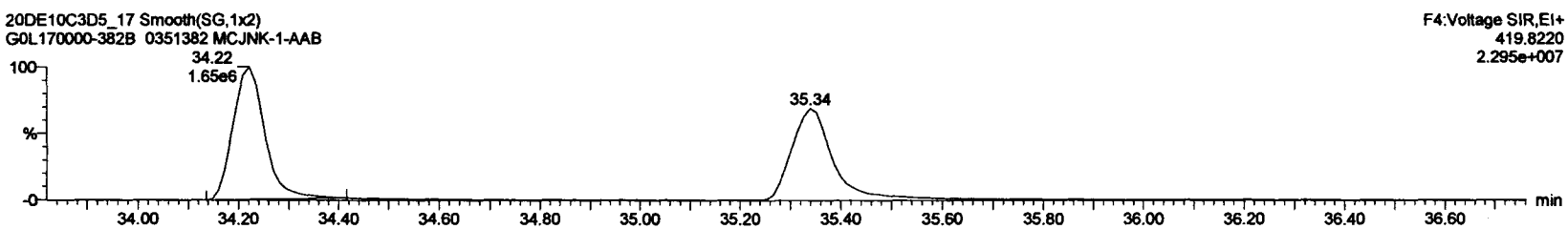
HpCDFs





13C-HpCDFs





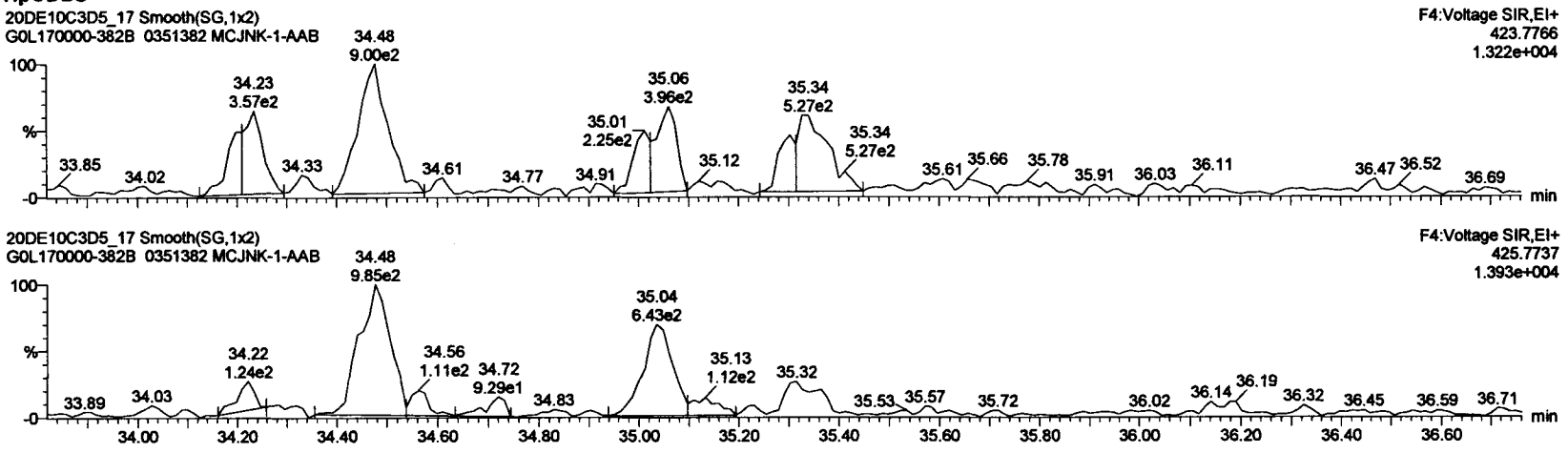
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

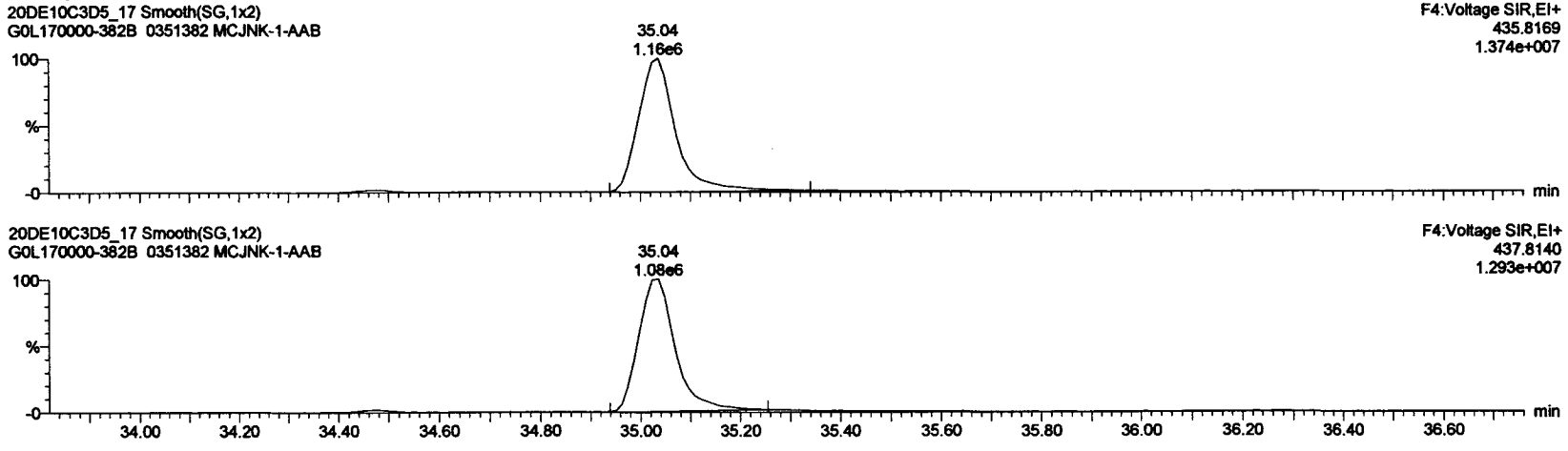
Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
Printed: Tuesday, December 21, 2010 09:56:03 Pacific Standard Time

Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

HpCDDs



13C-HpCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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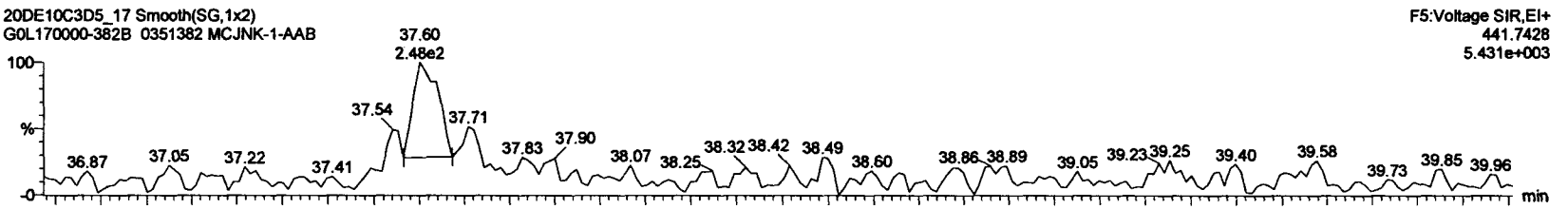
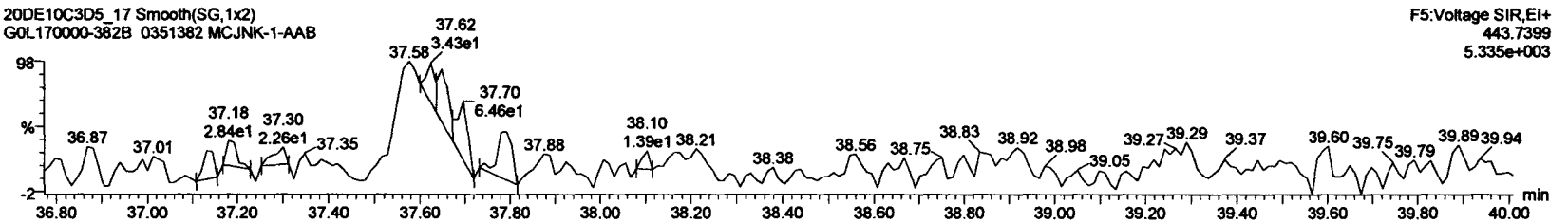
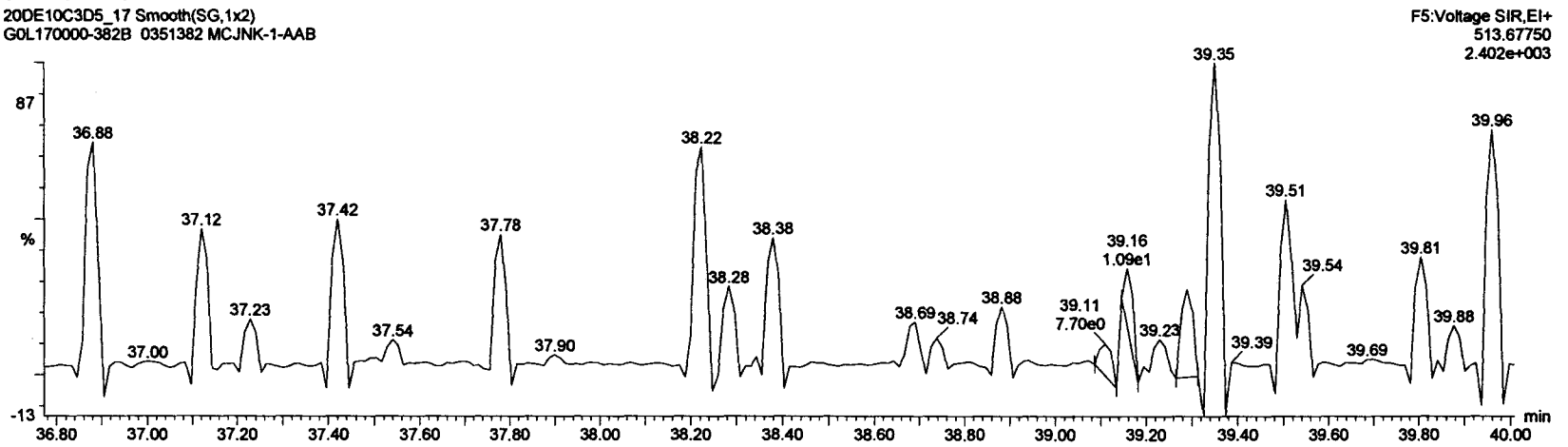
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

OCDFs





OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

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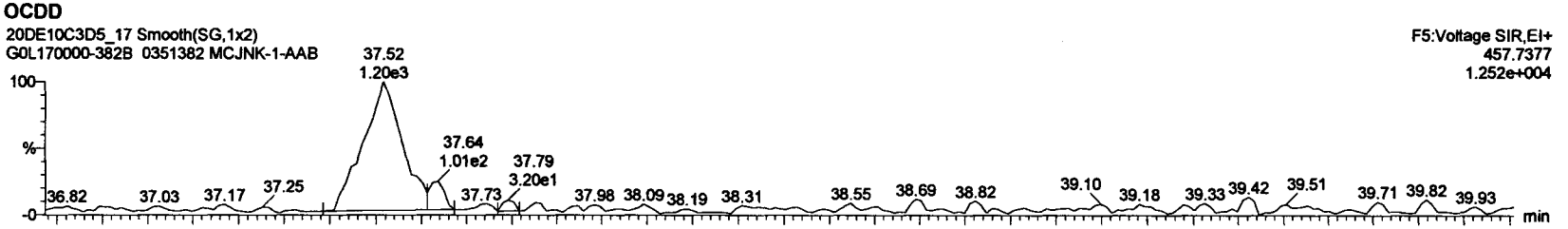
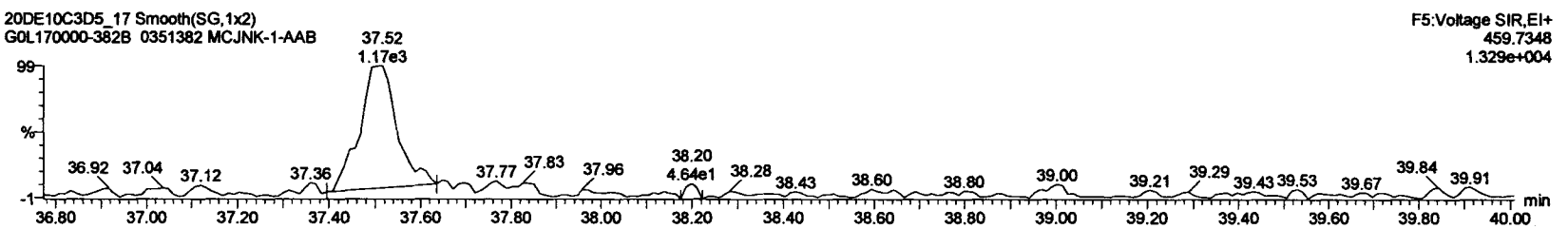
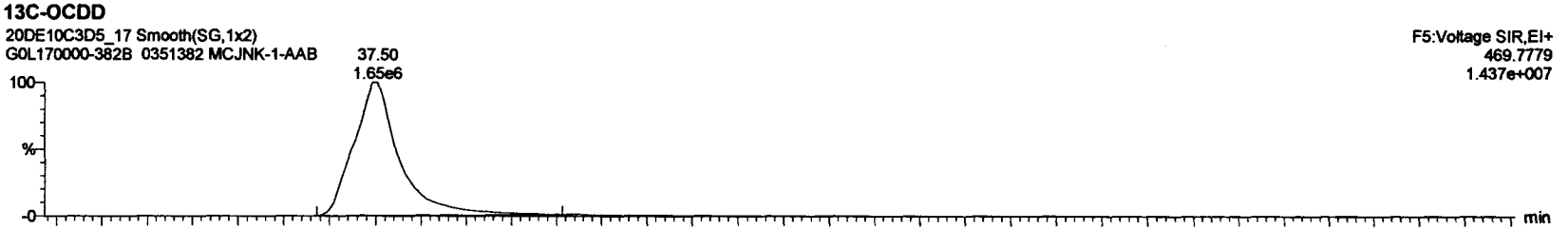
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

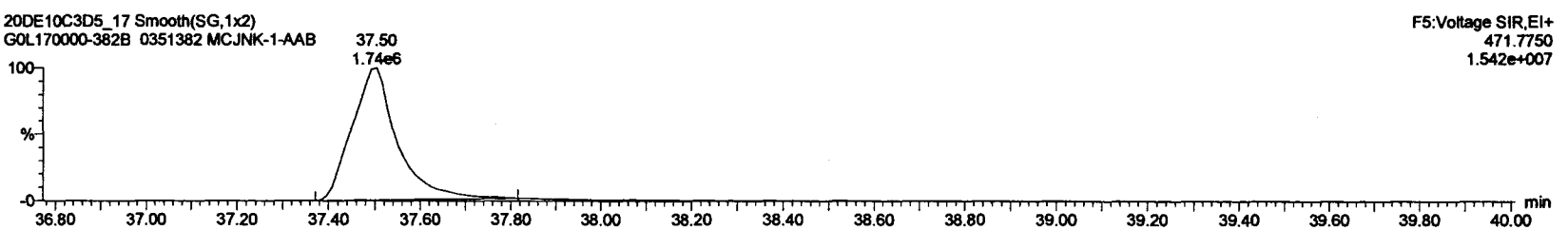
OCDD





13C-OCDD





Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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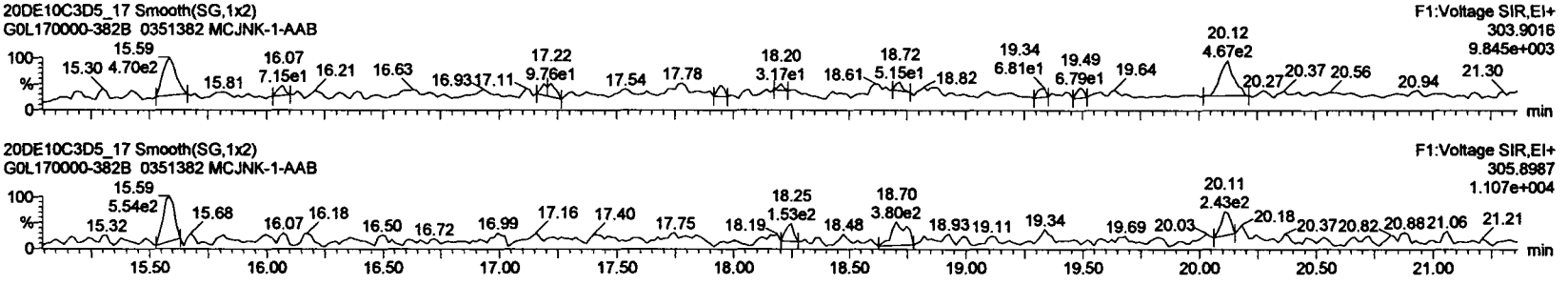
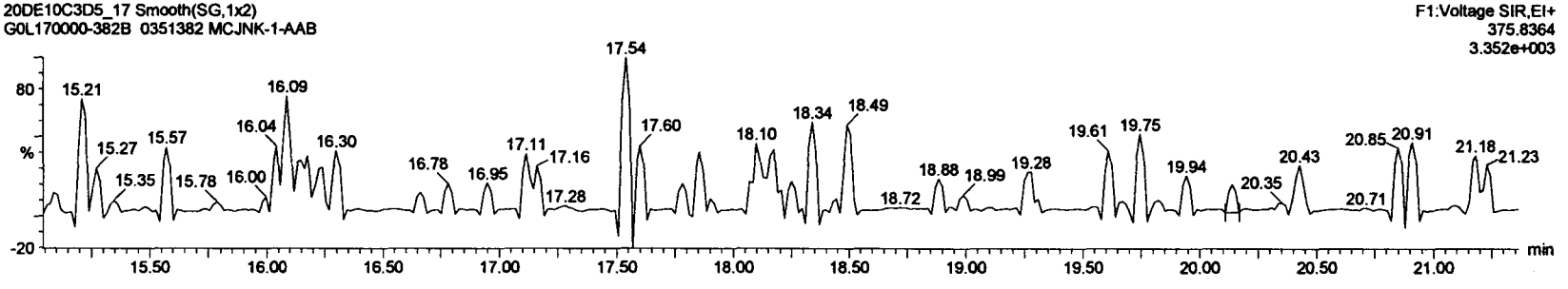
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

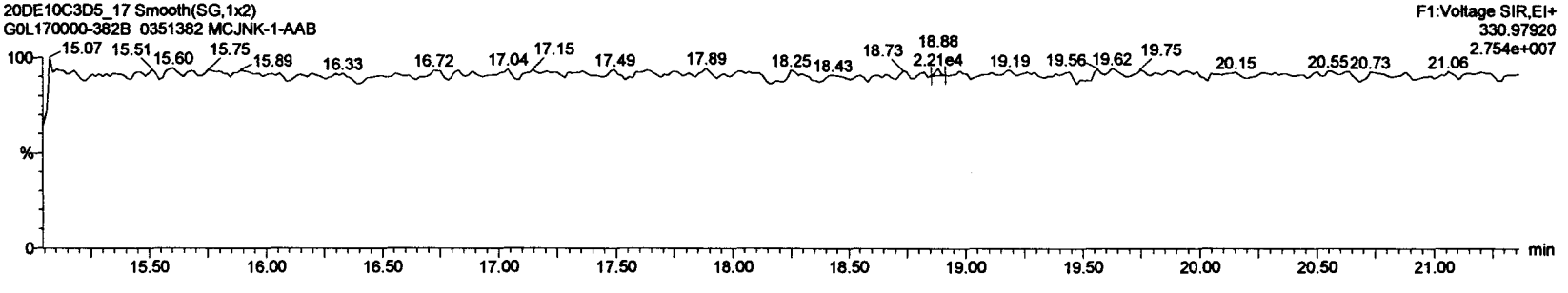
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

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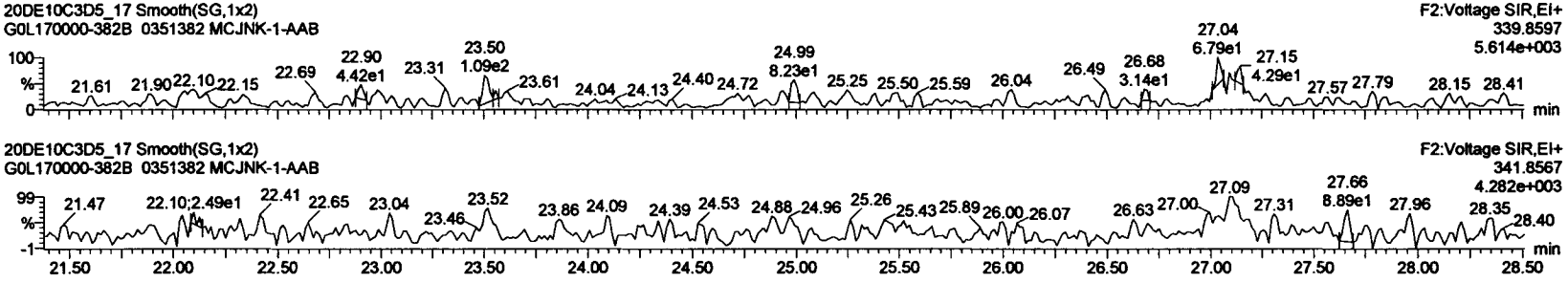
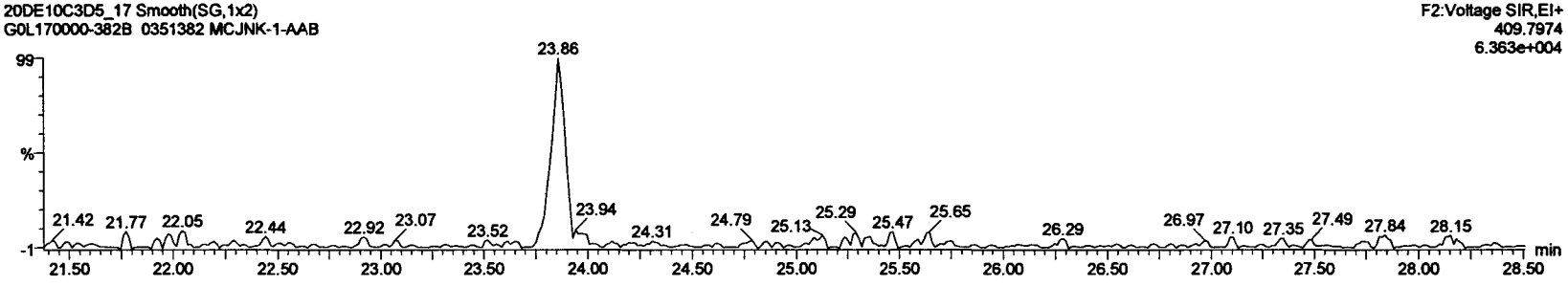
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

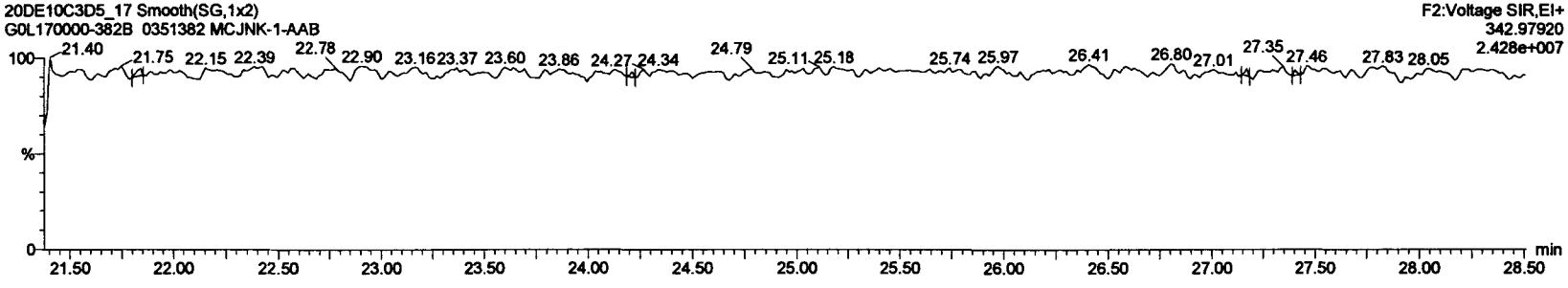
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 09:53:18 Pacific Standard Time
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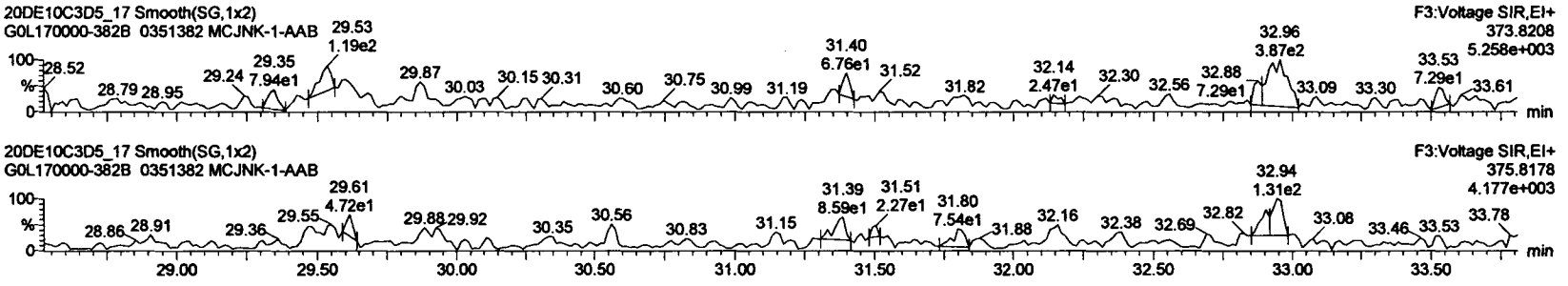
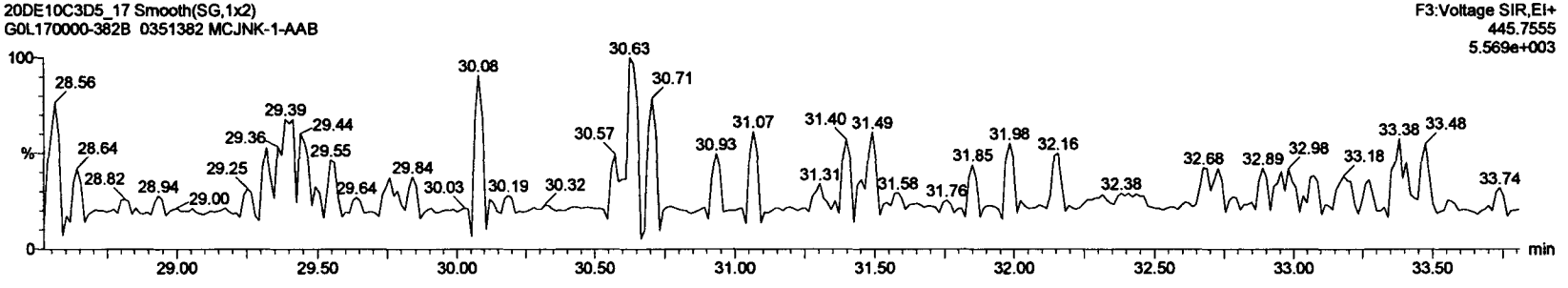
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

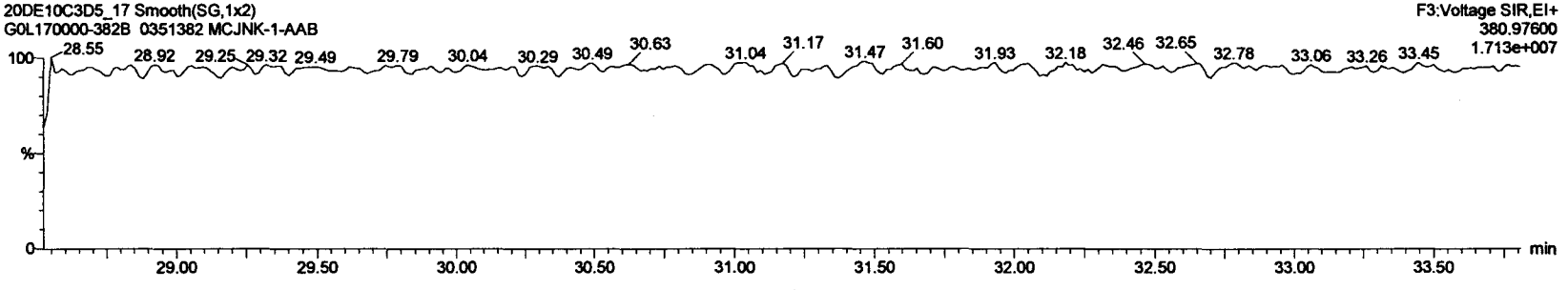
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

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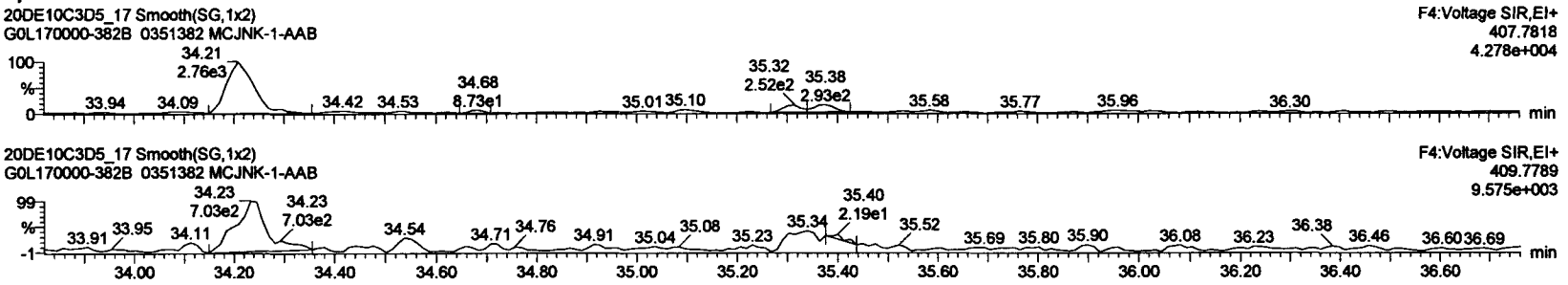
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

HpCDFs



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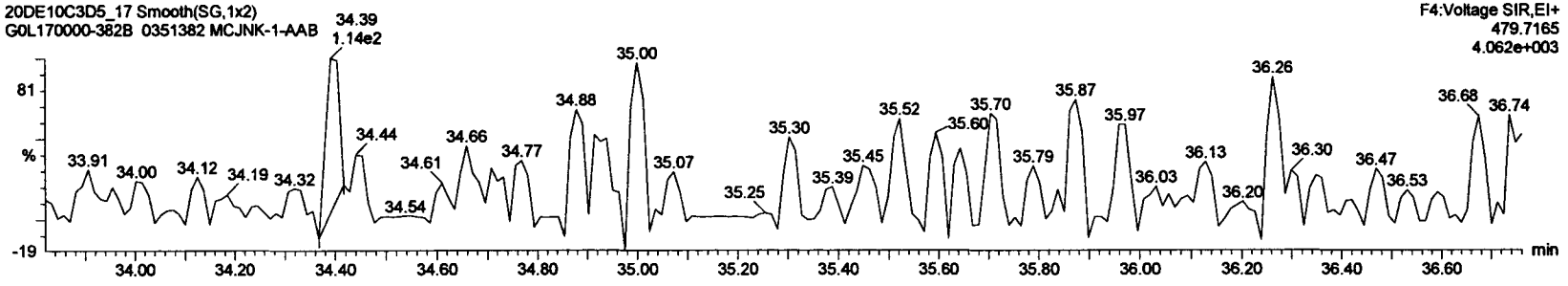
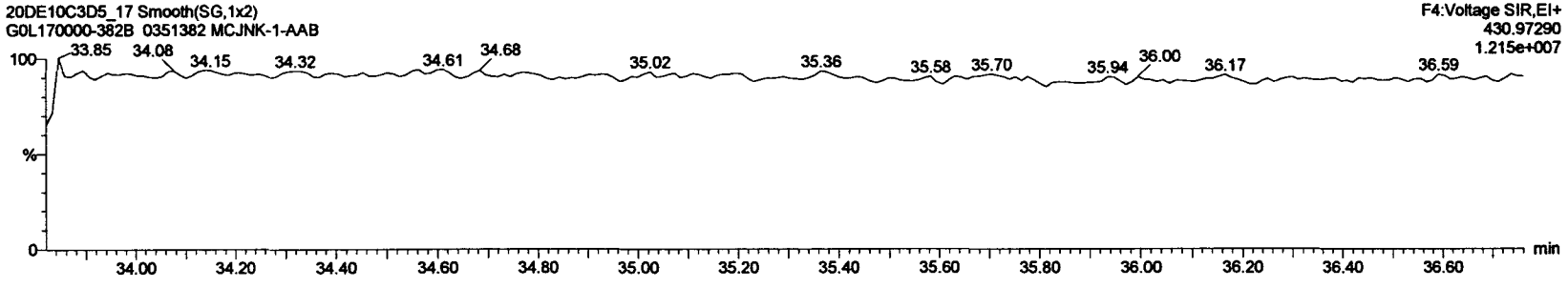


Function 4 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

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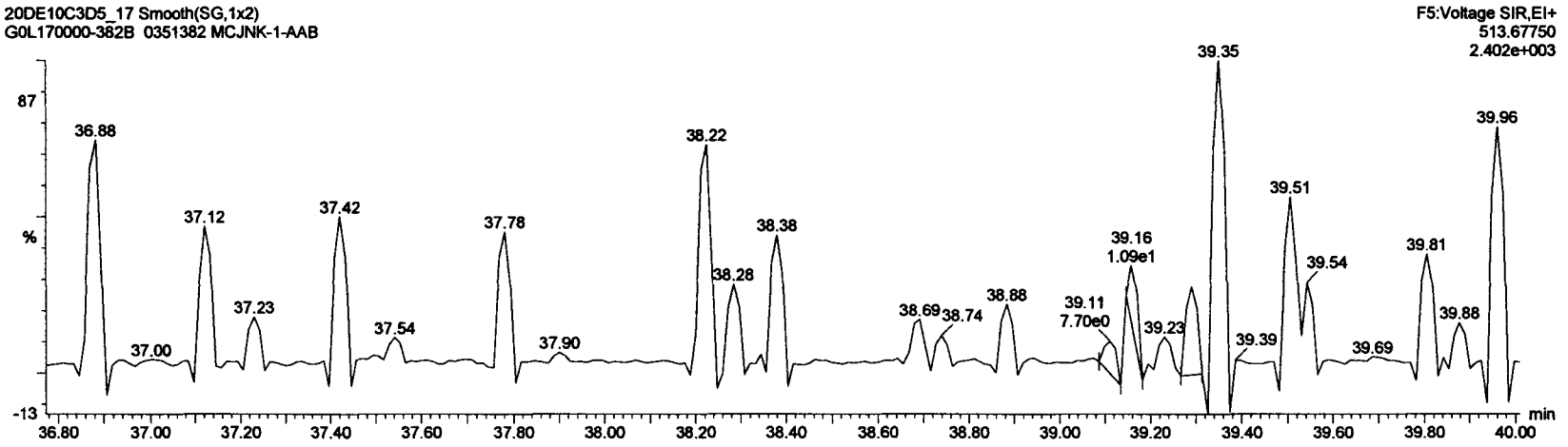
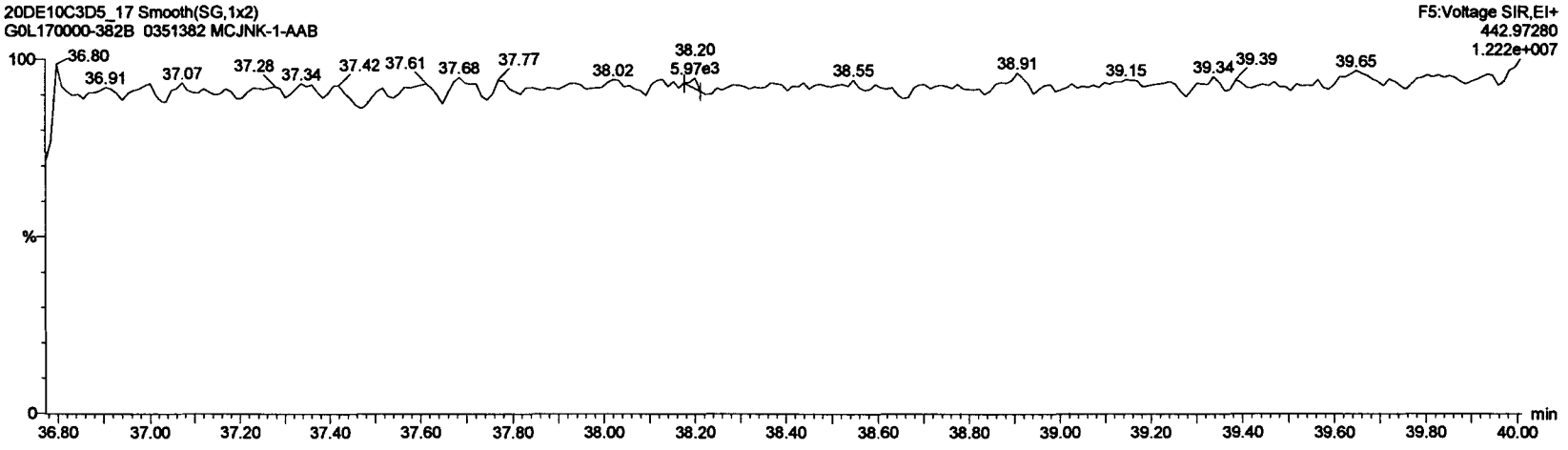
Name: 20DE10C3D5_17, Date: 21-Dec-2010, Time: 05:11:59, ID: MCJNK-1-AAB, Description: G0L170000-382B 0351382

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

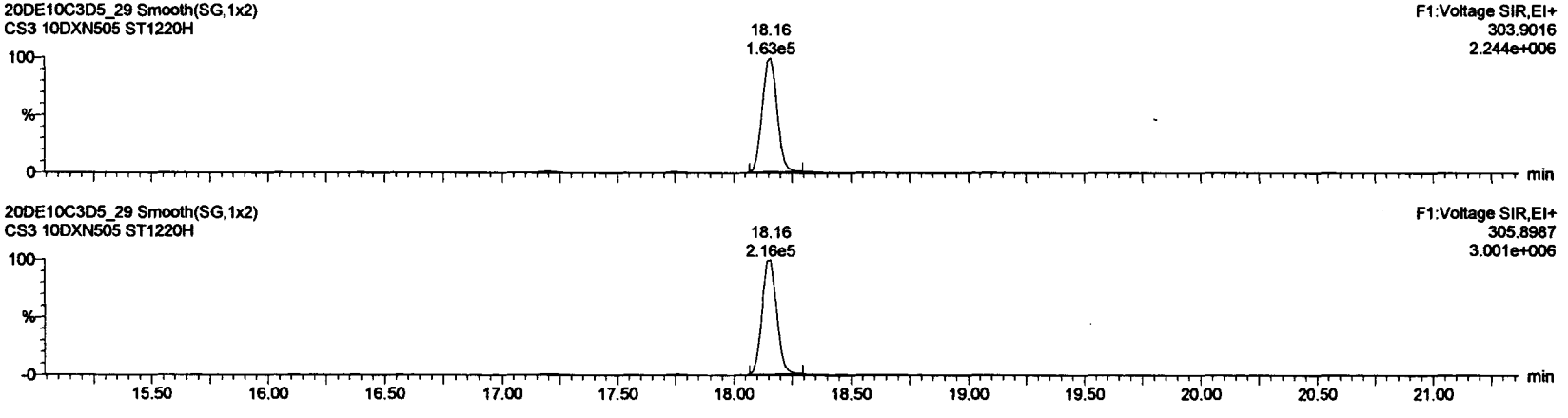
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 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_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

TCDFs



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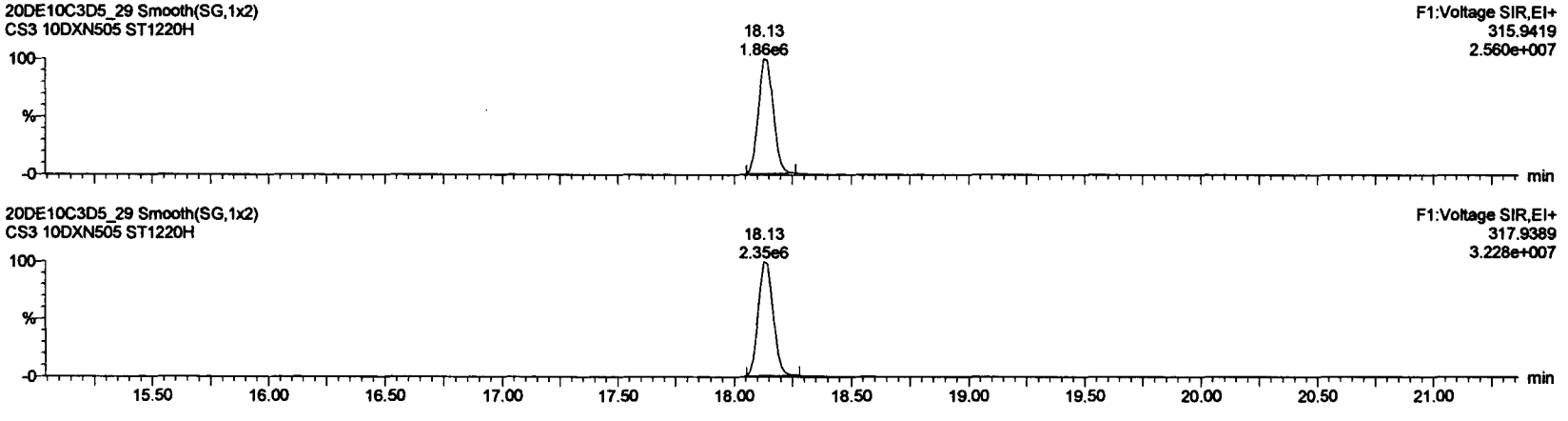


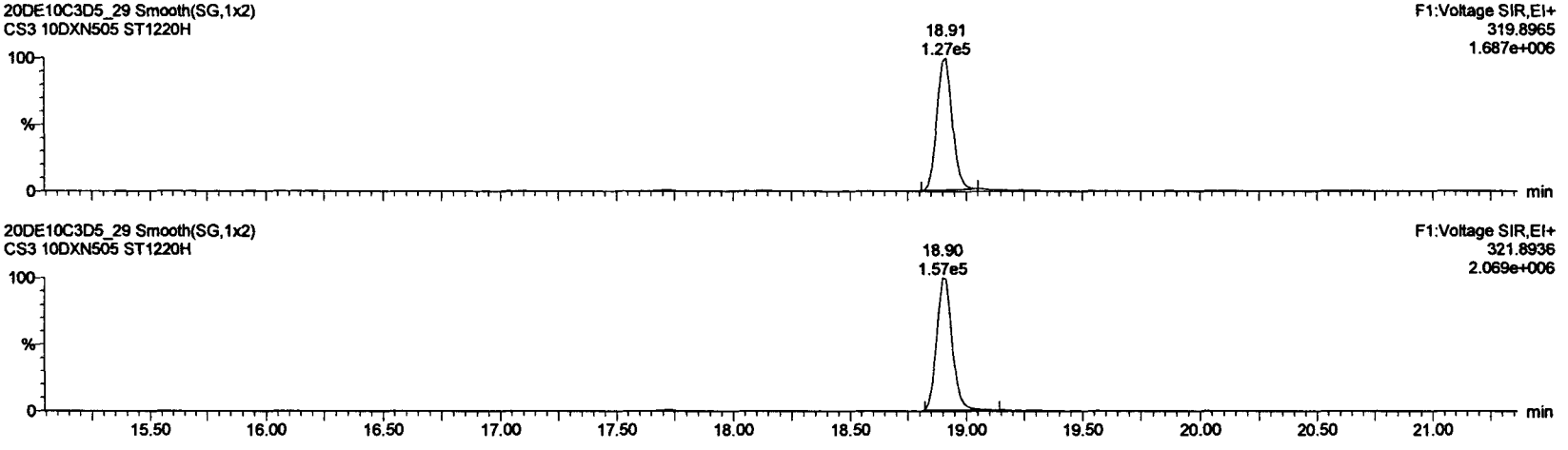
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

TCDDs



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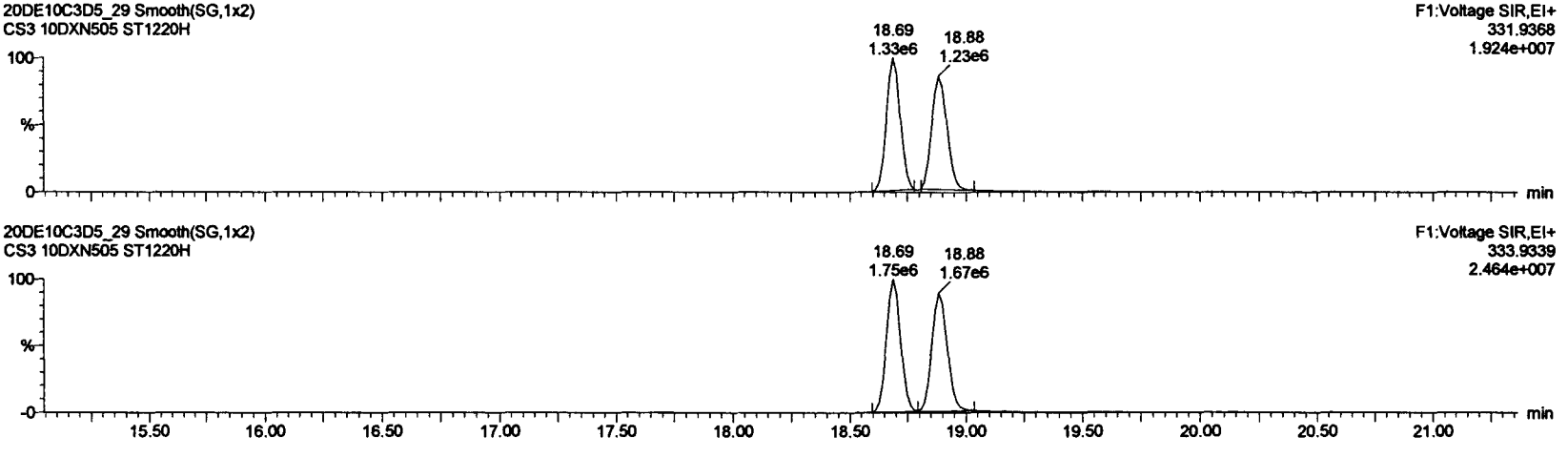

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
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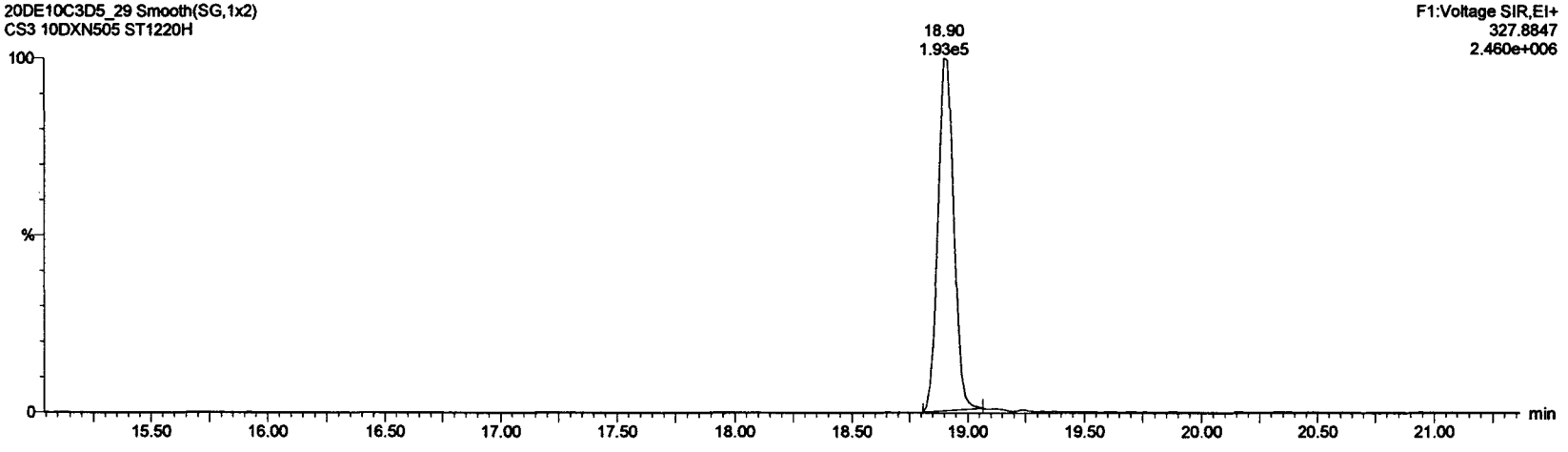
Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

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



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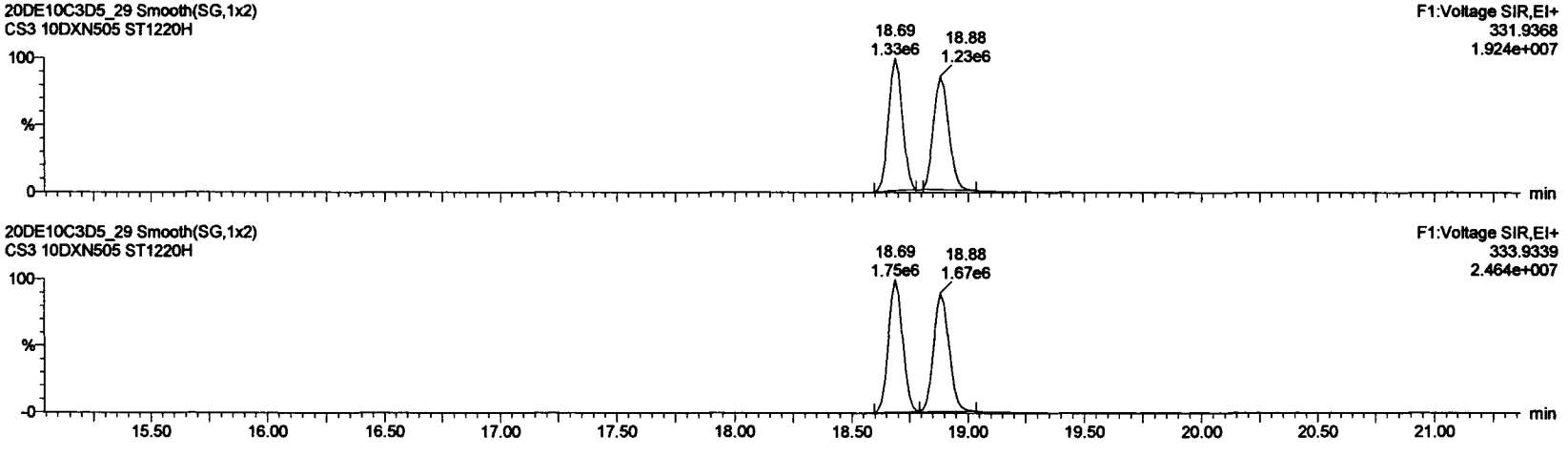

Quantify Sample Report **MassLynx 4.1**

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Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
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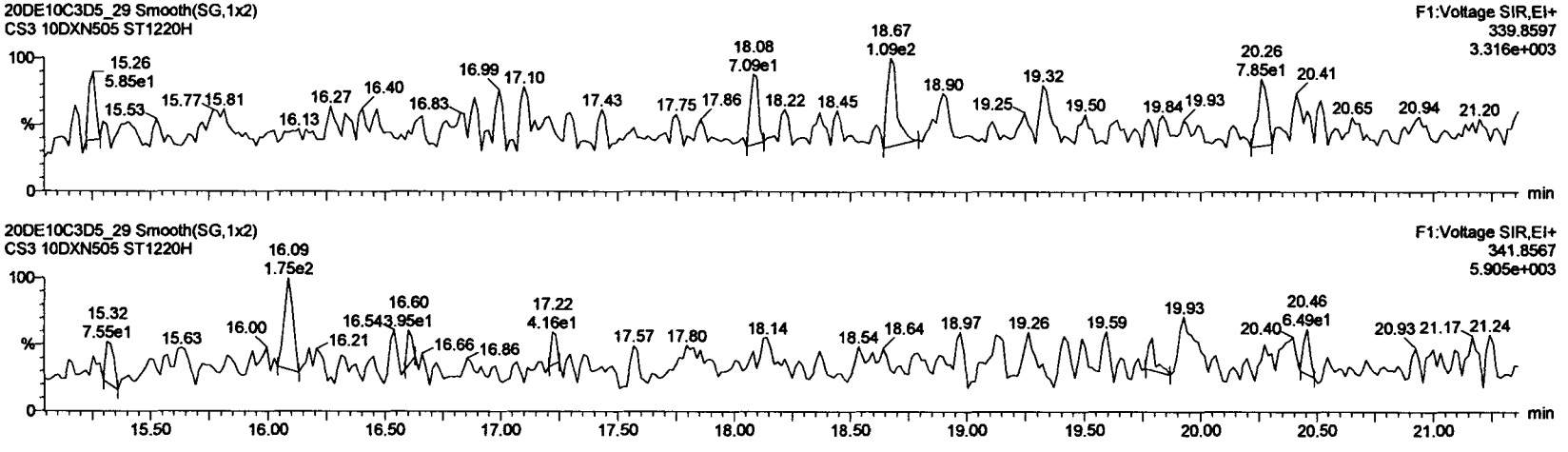
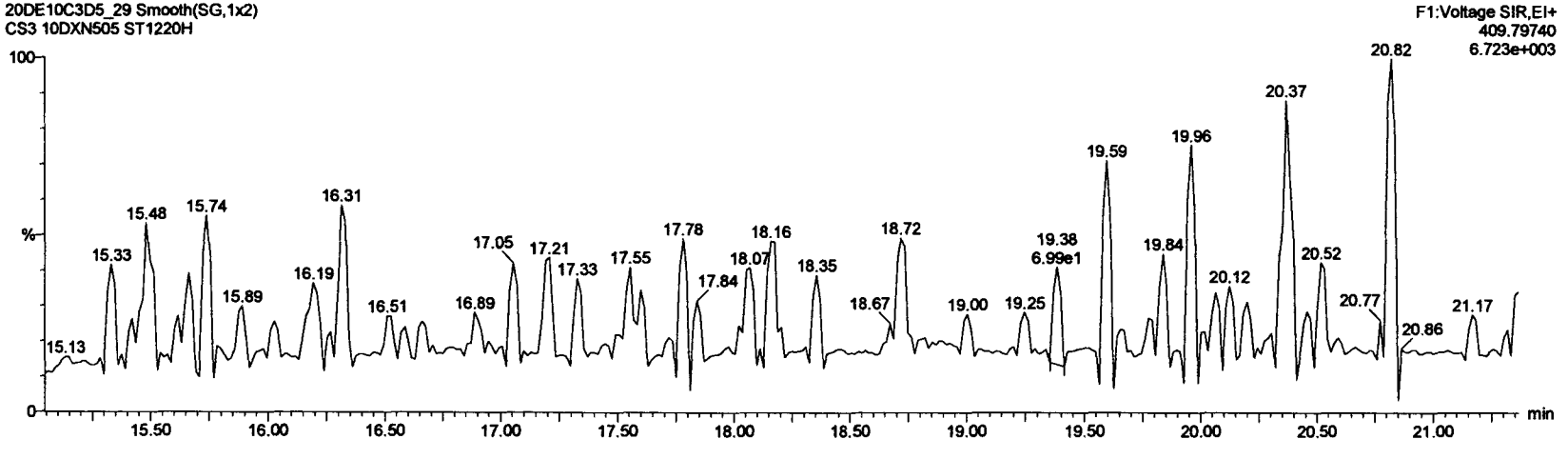
Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
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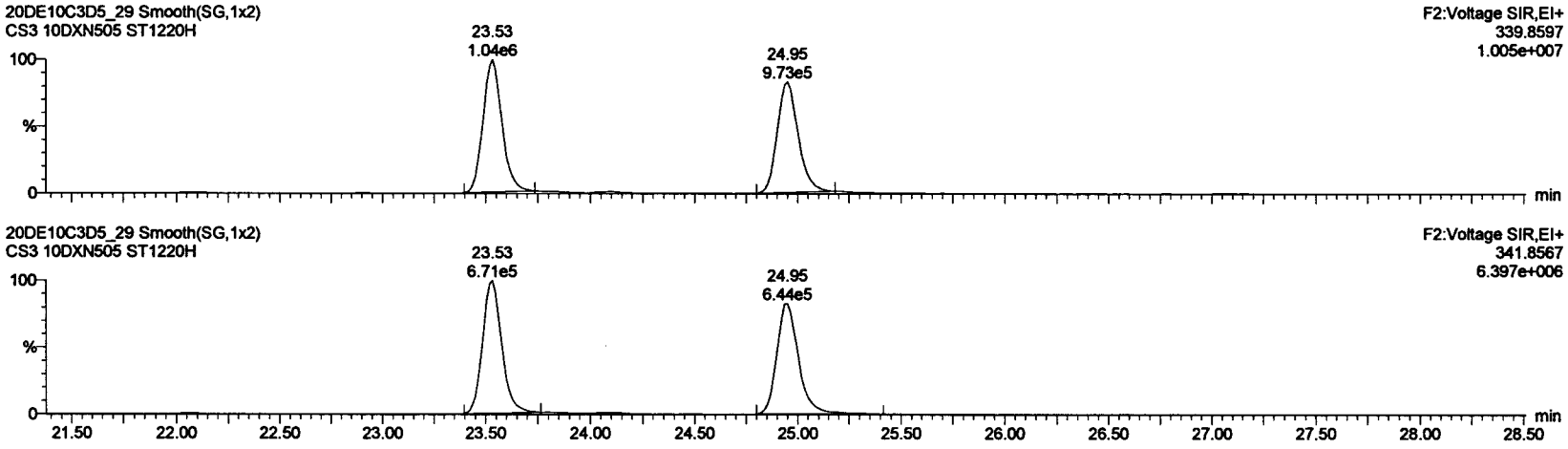
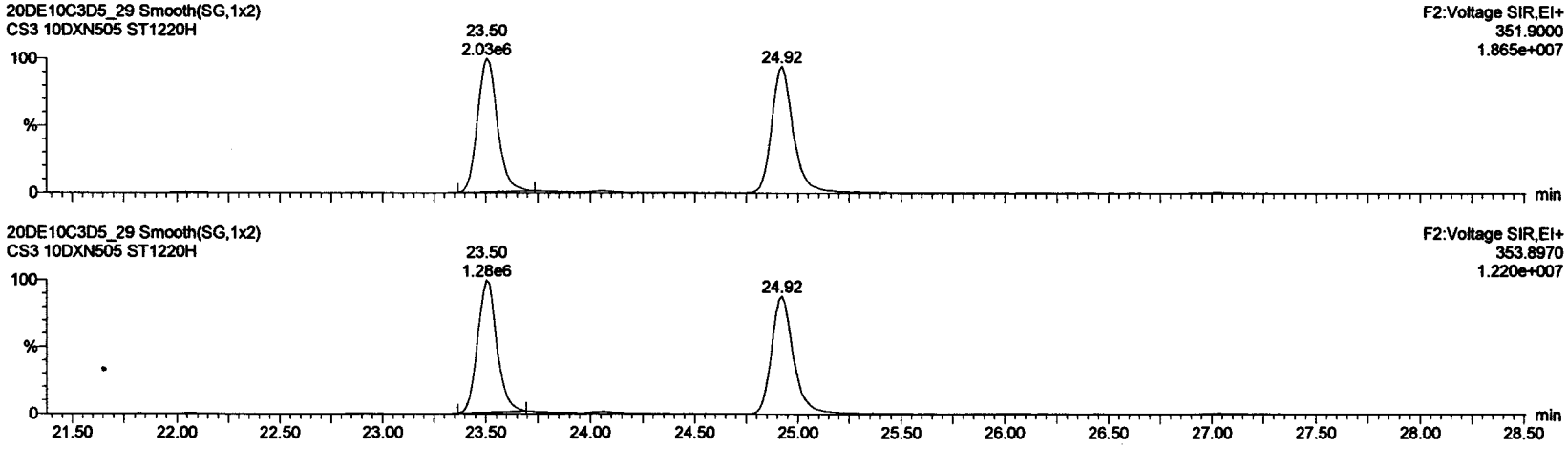
Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
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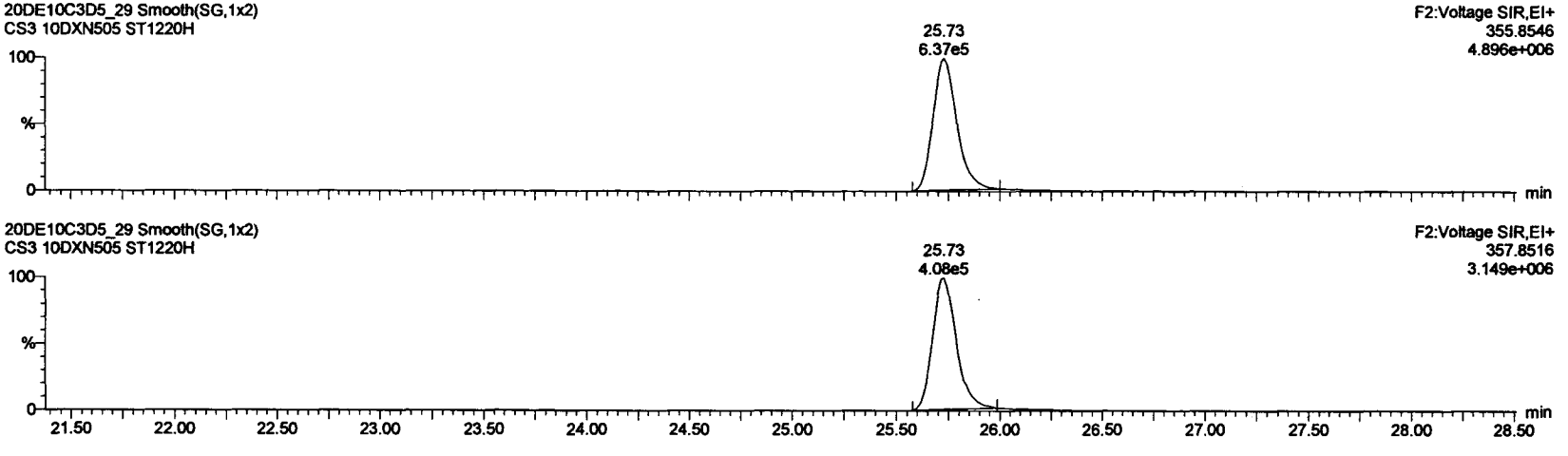
Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

PeCDDs



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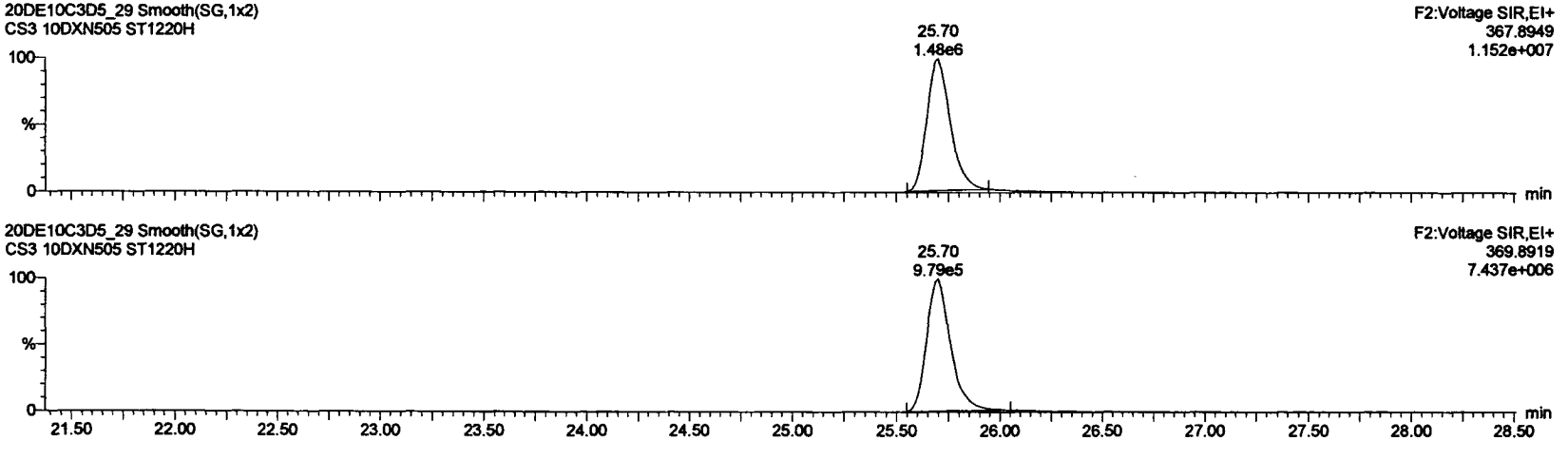


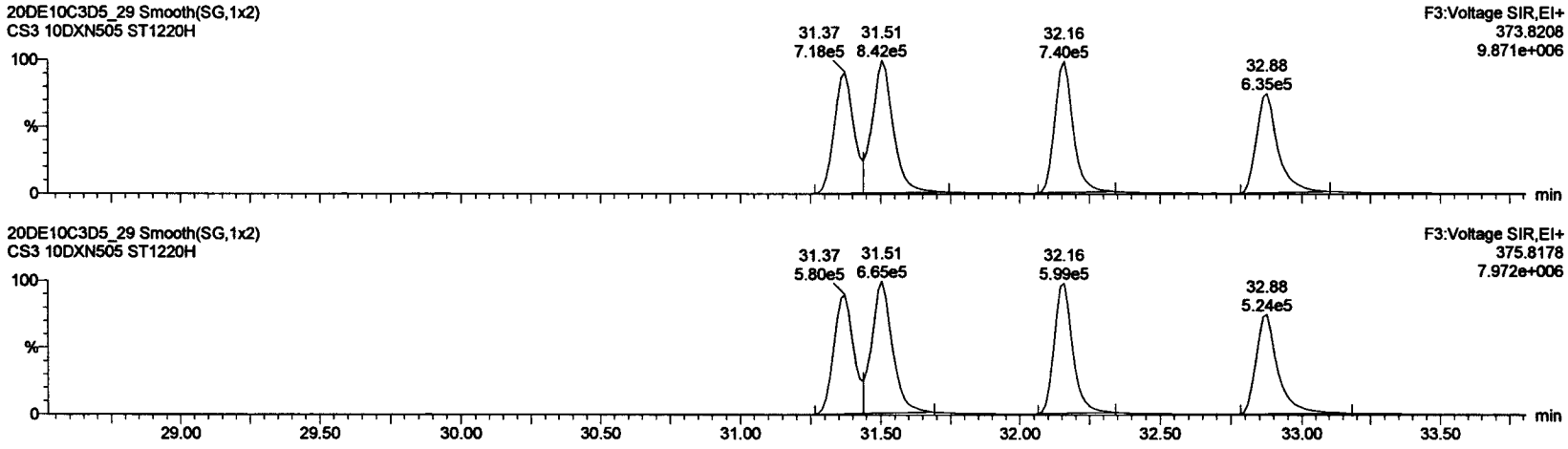
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HxCDFs



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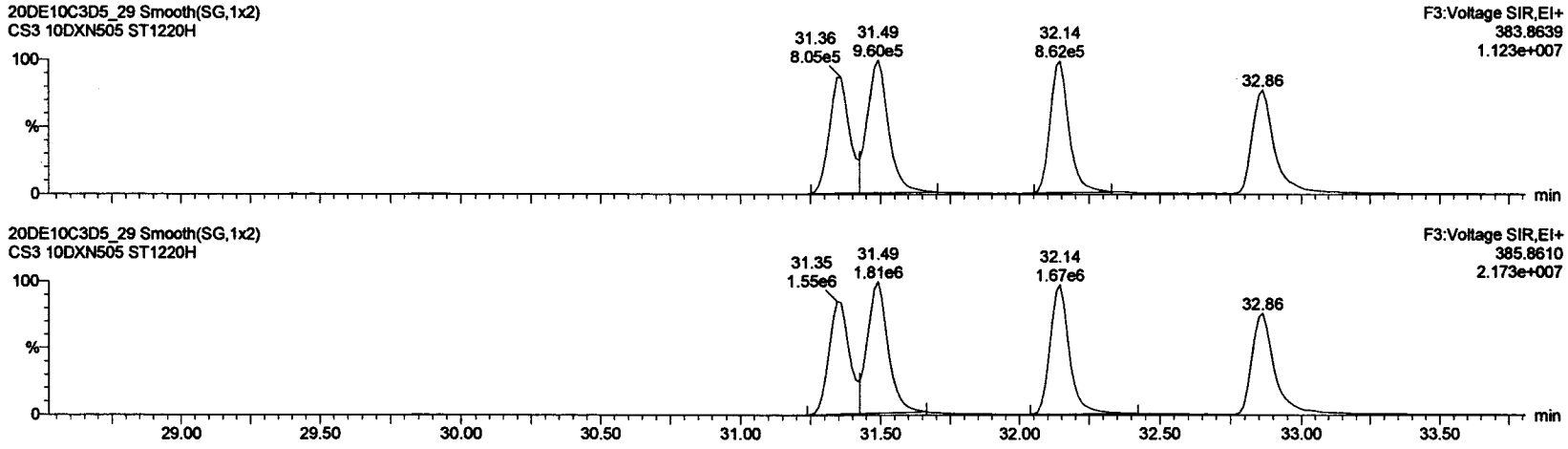

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
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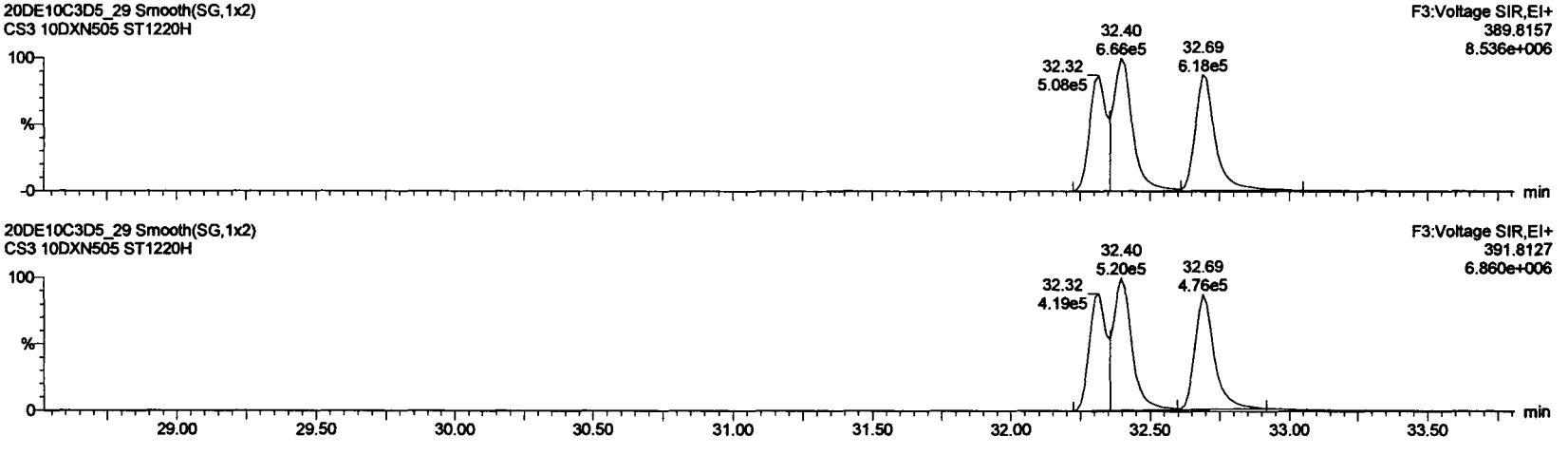
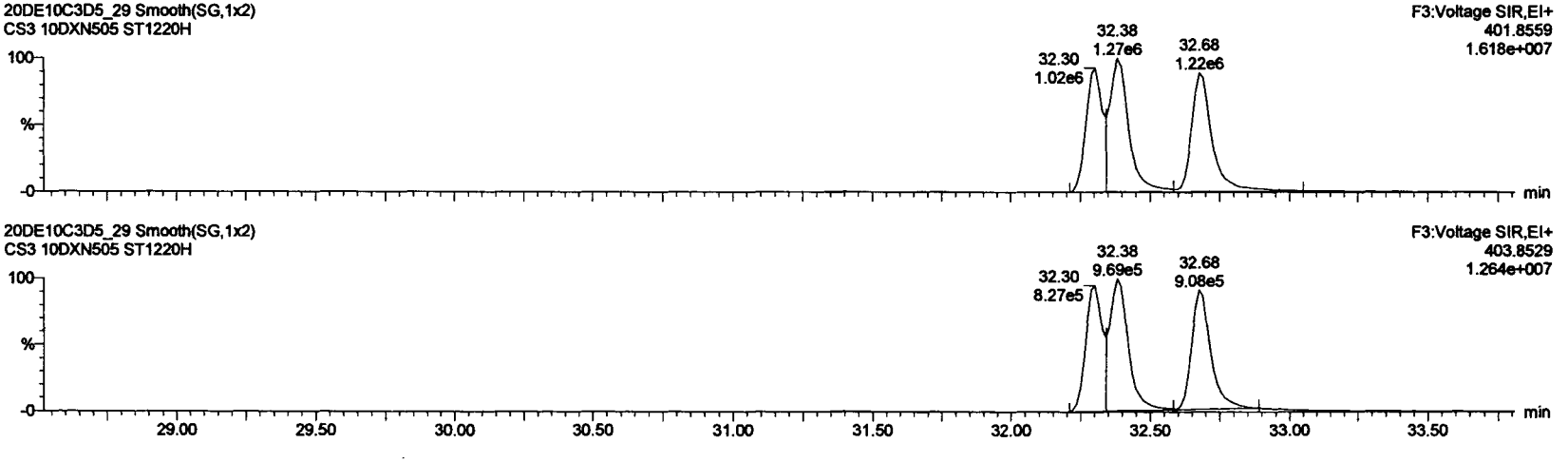
HxCDDs



13C-HxCDDs



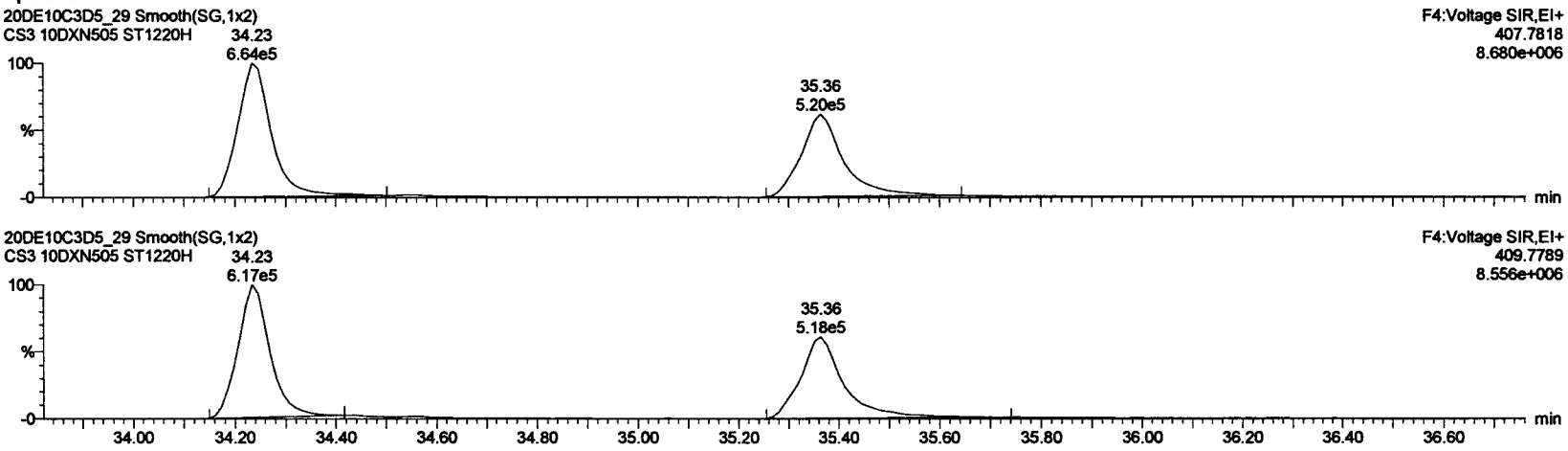
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

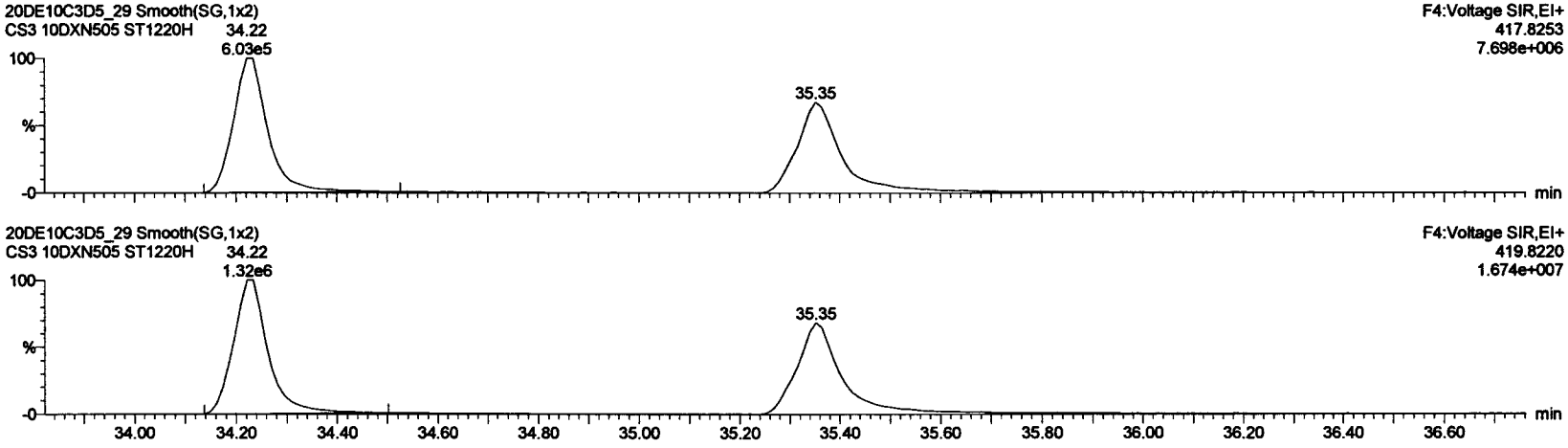
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HpCDFs



13C-HpCDFs



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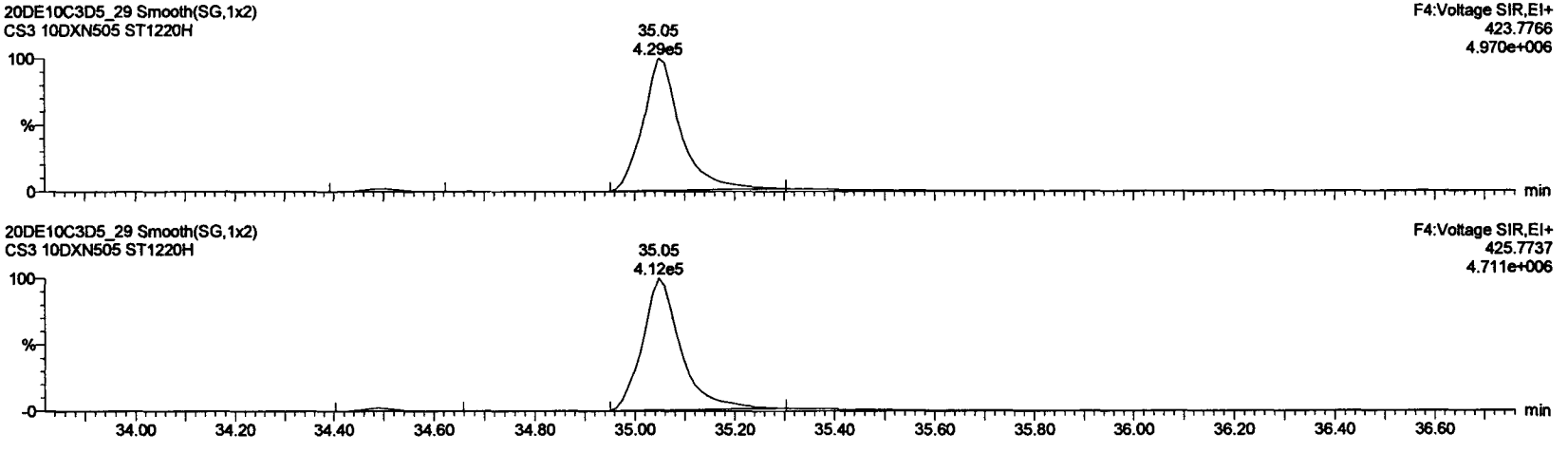
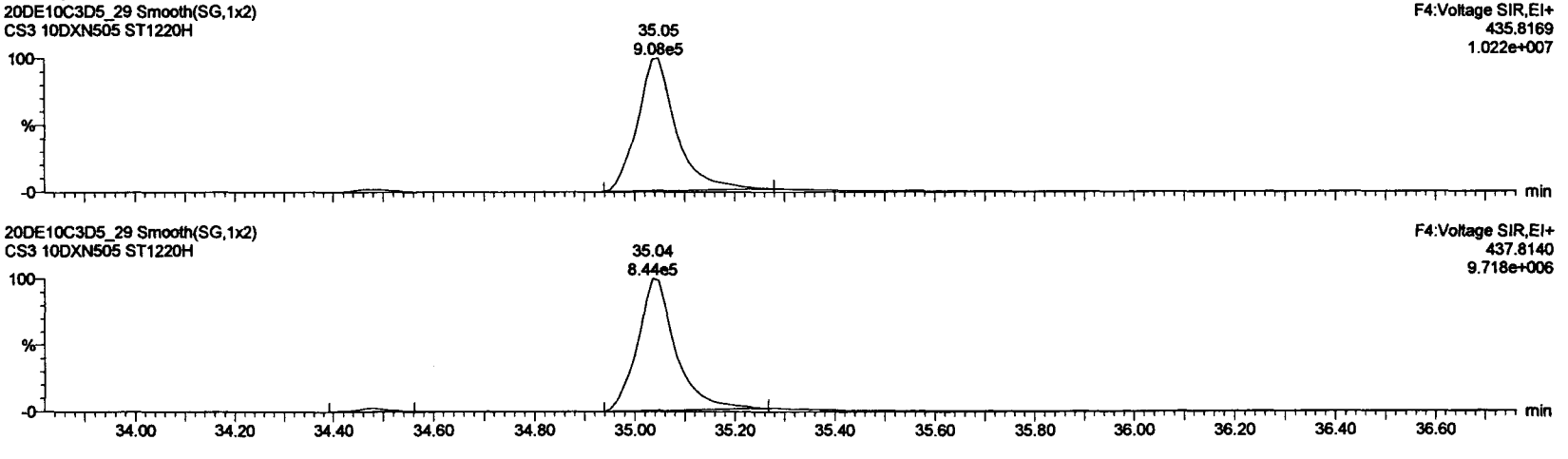
Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HpCDDs



13C-HpCDD



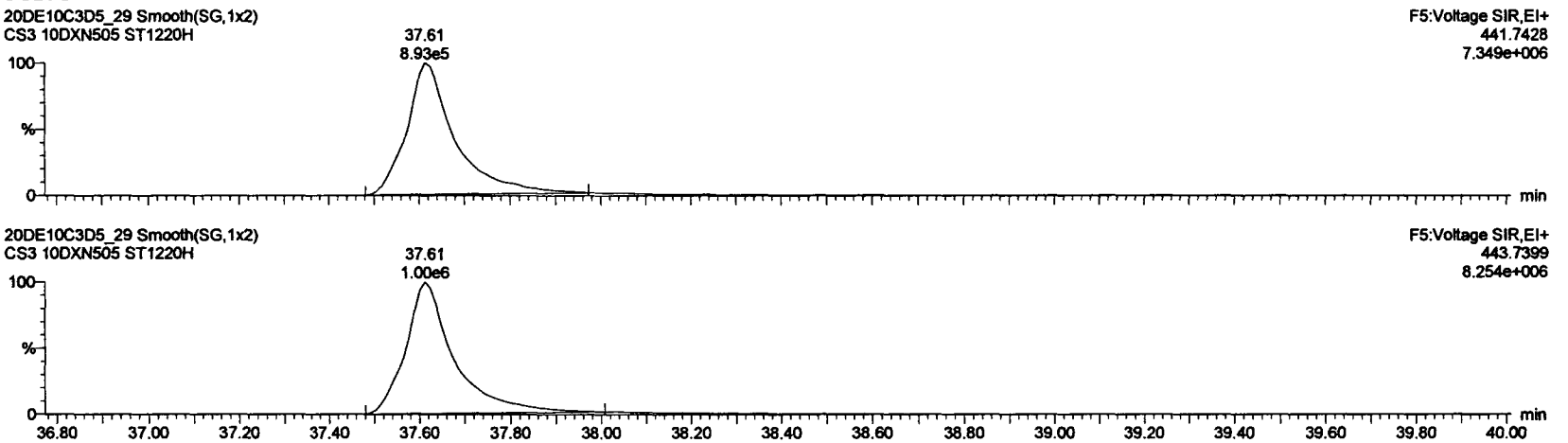
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

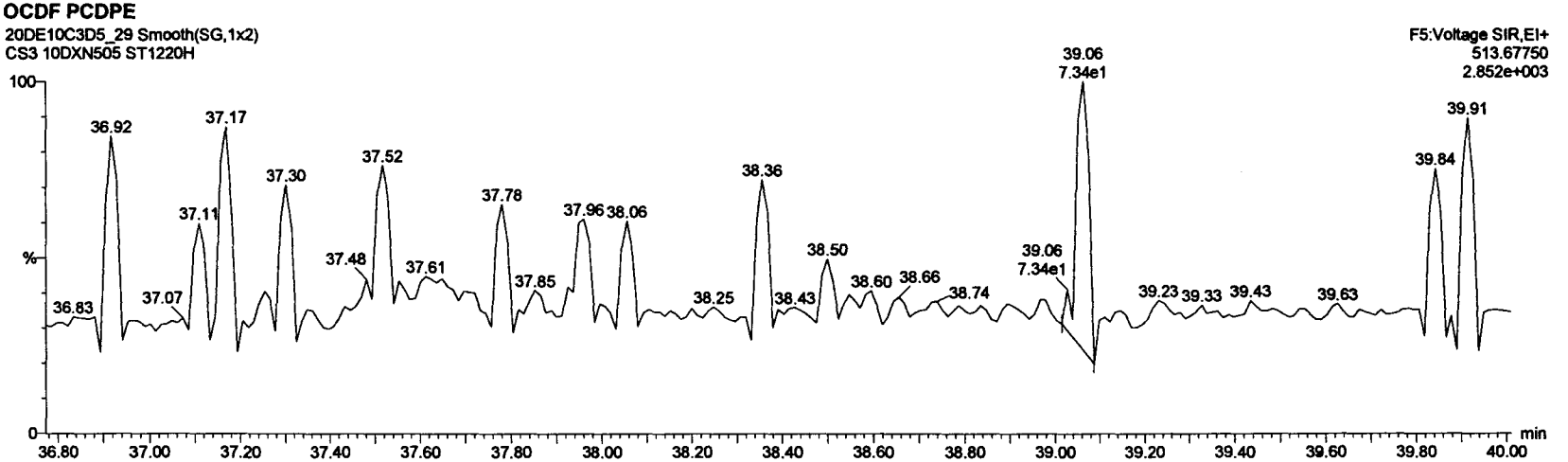
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDFs



OCDF PCDPE



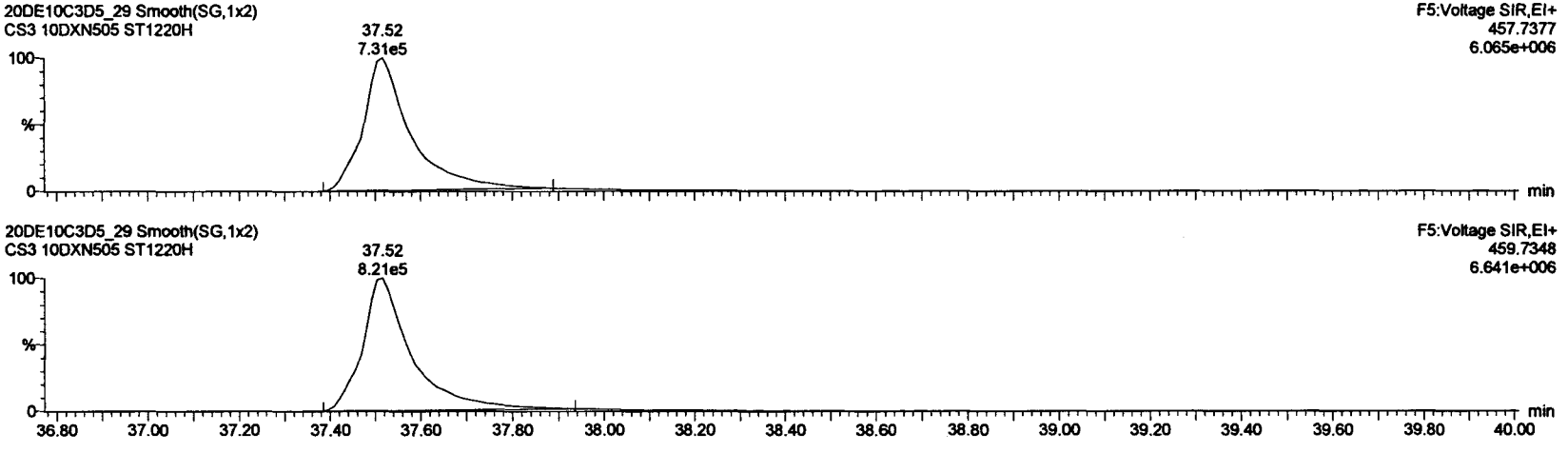
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

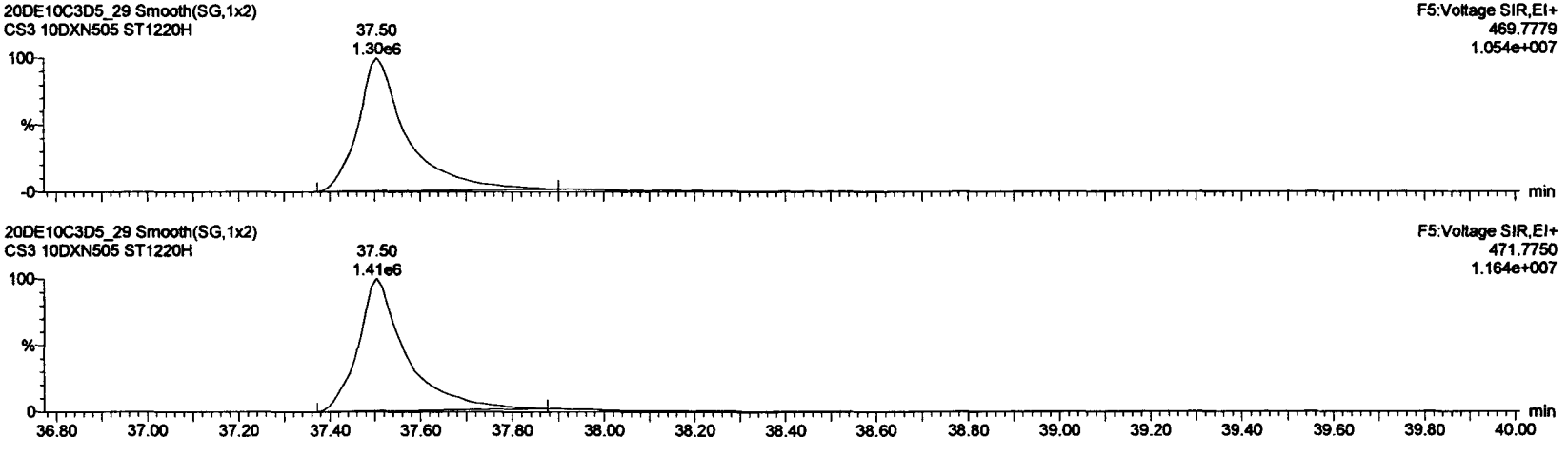
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDD



13C-OCDD



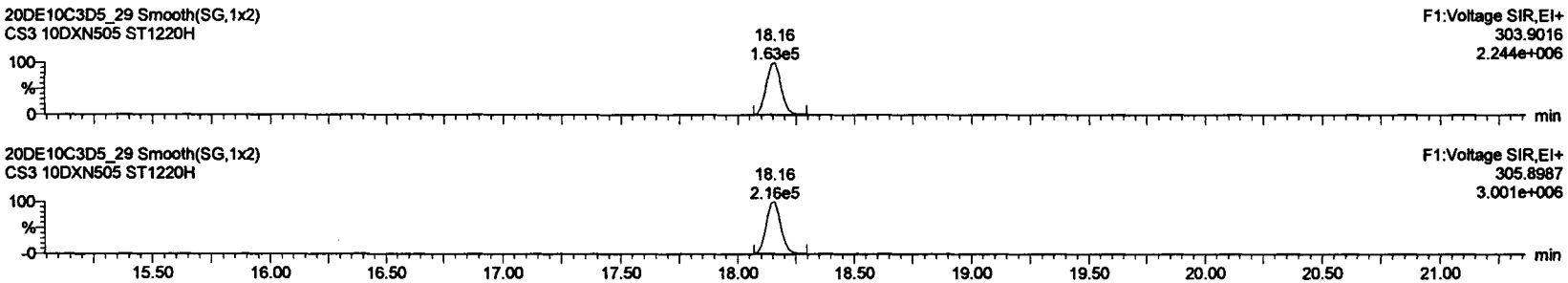
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

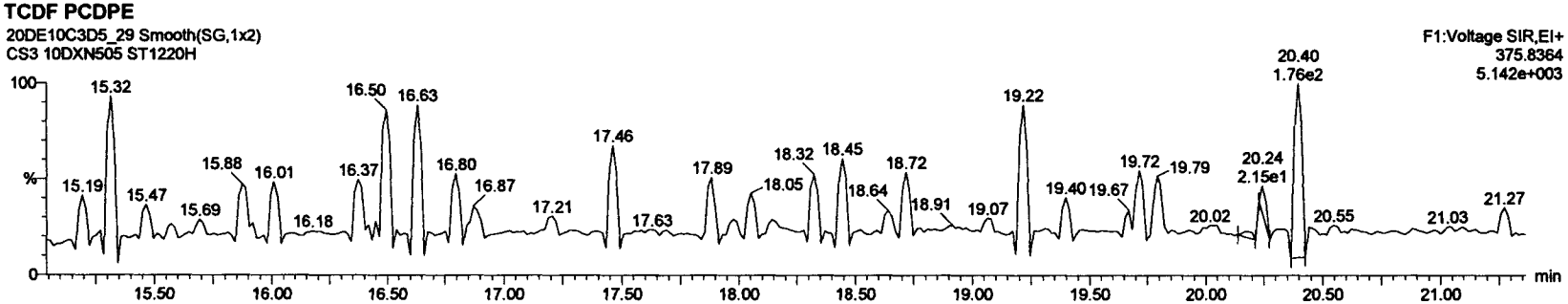
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

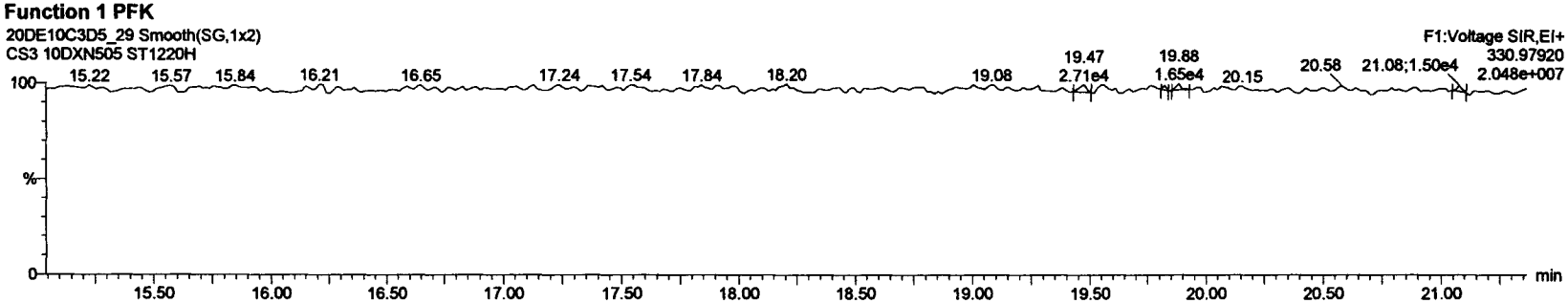
TCDFs



TCDF PCDPE



Function 1 PFK



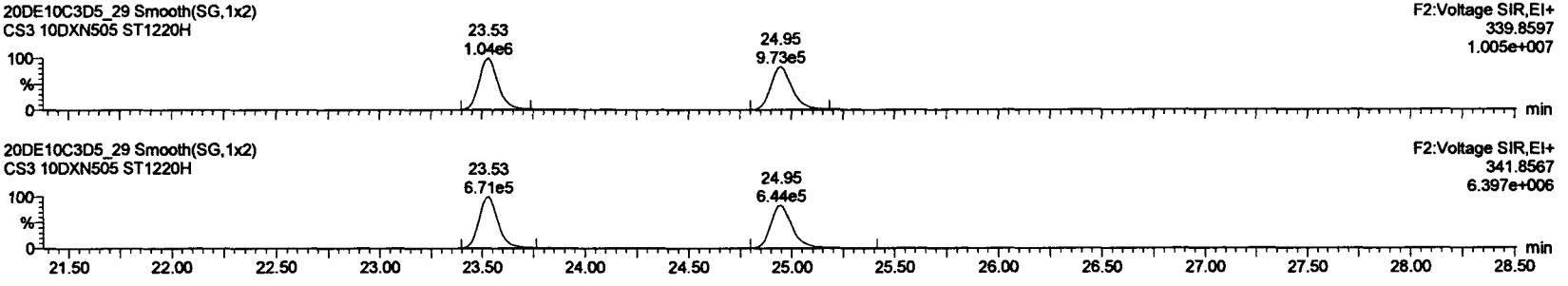
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

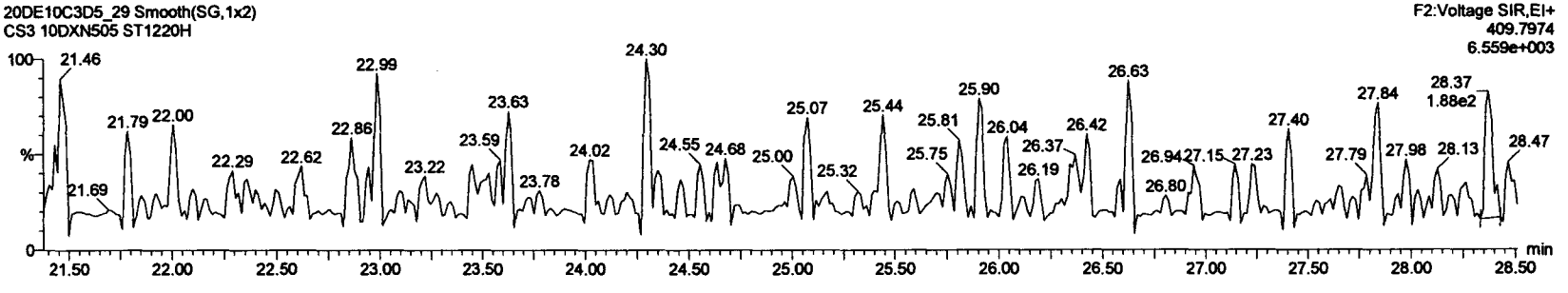
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

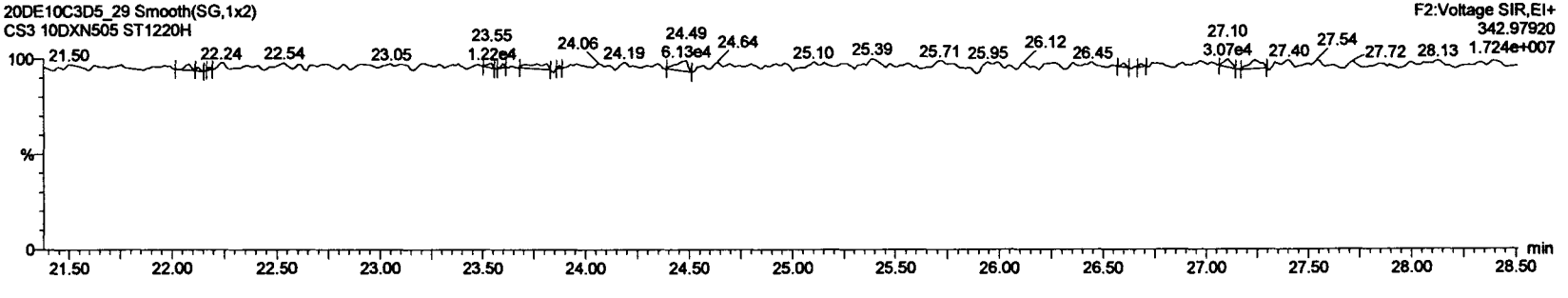
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



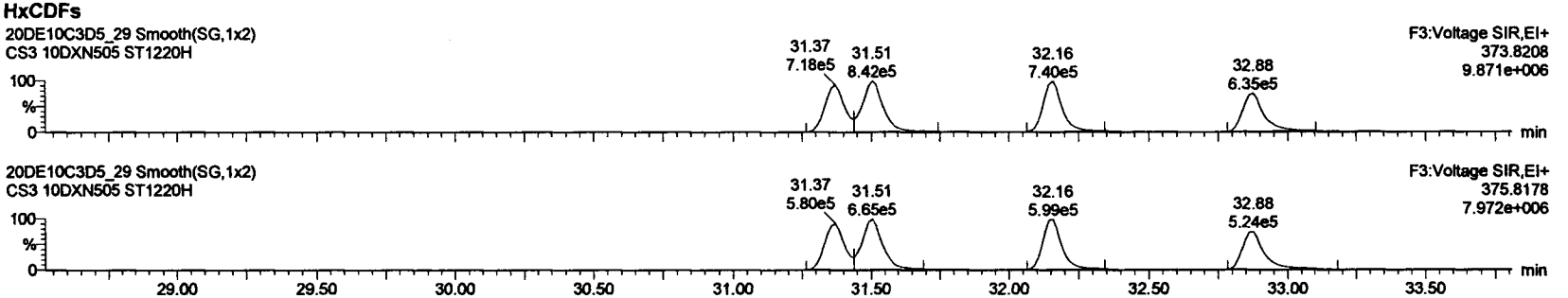
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

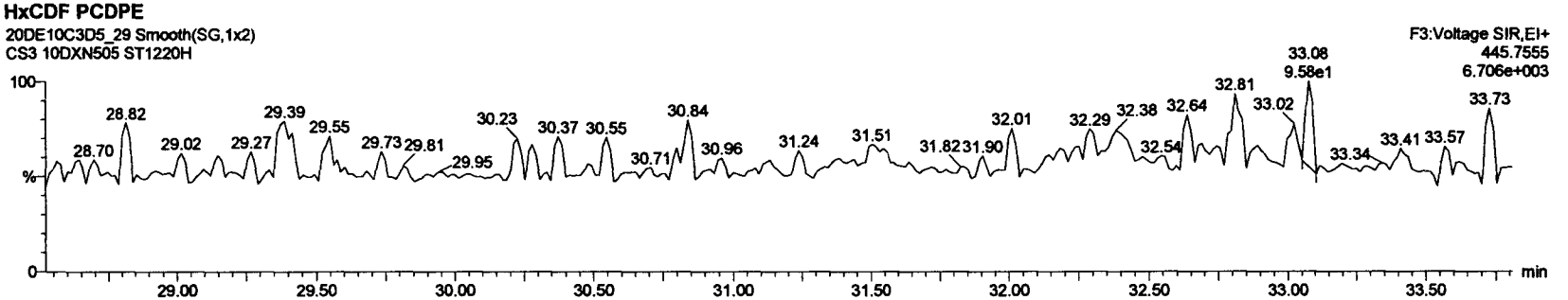
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

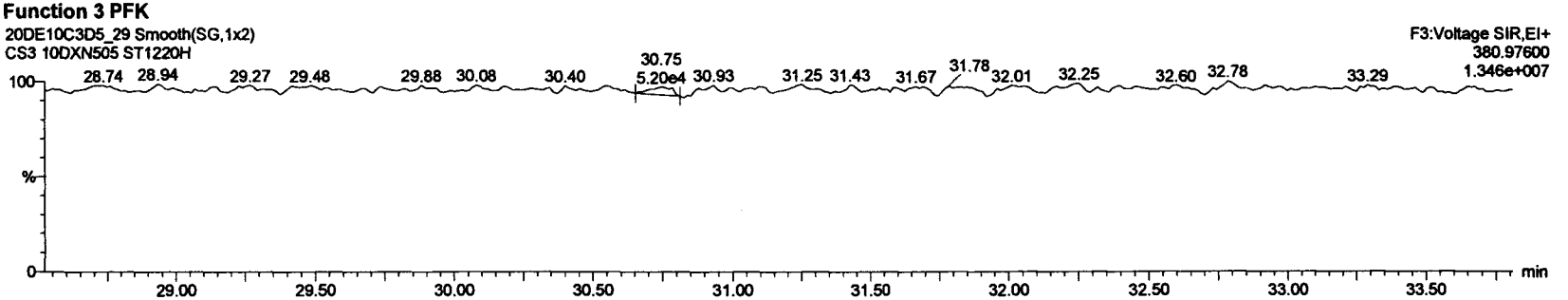
HxCDFs



HxCDF PCDPE



Function 3 PFK



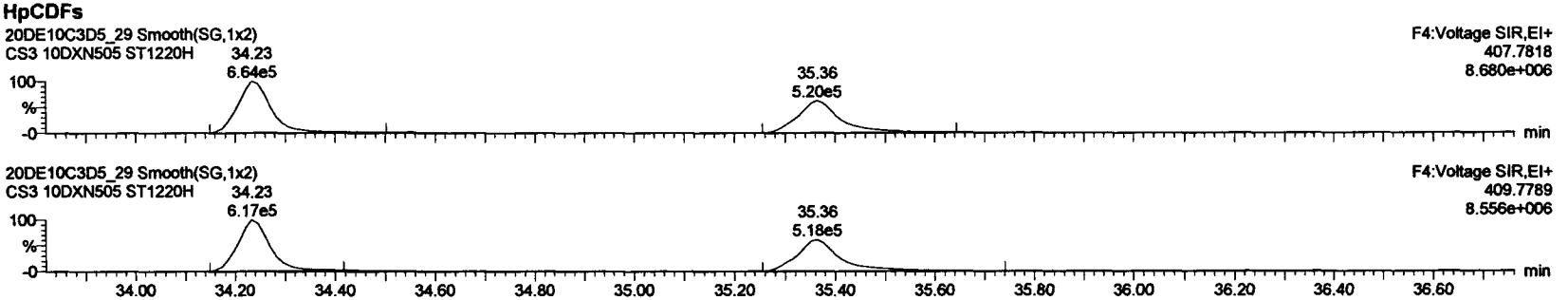
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

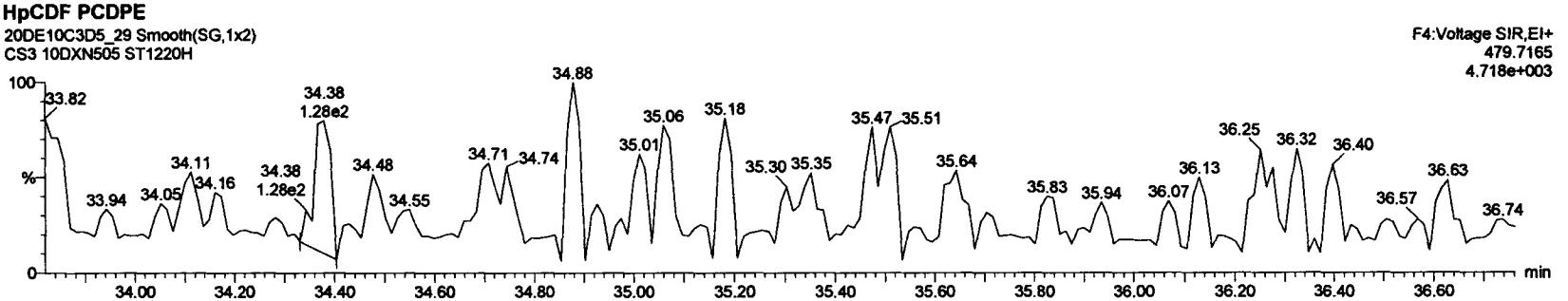
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

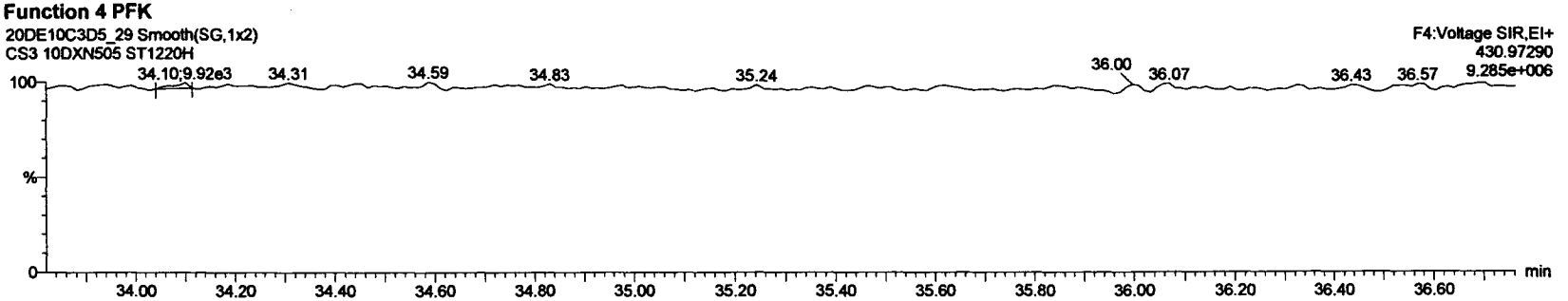
HpCDFs



HpCDF PCDPE



Function 4 PFK



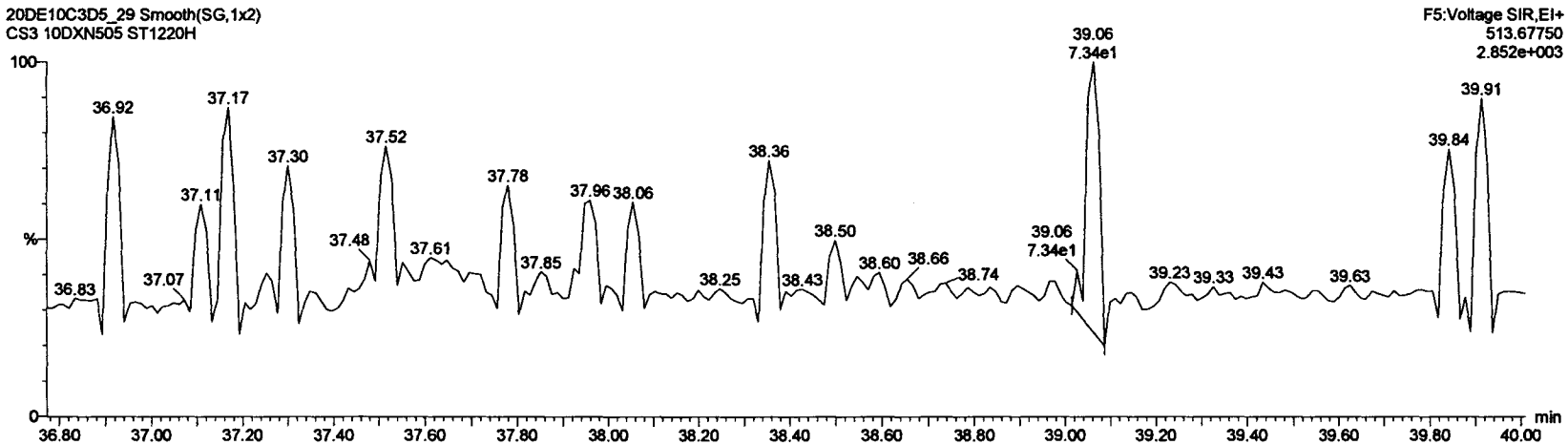
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9G.qld

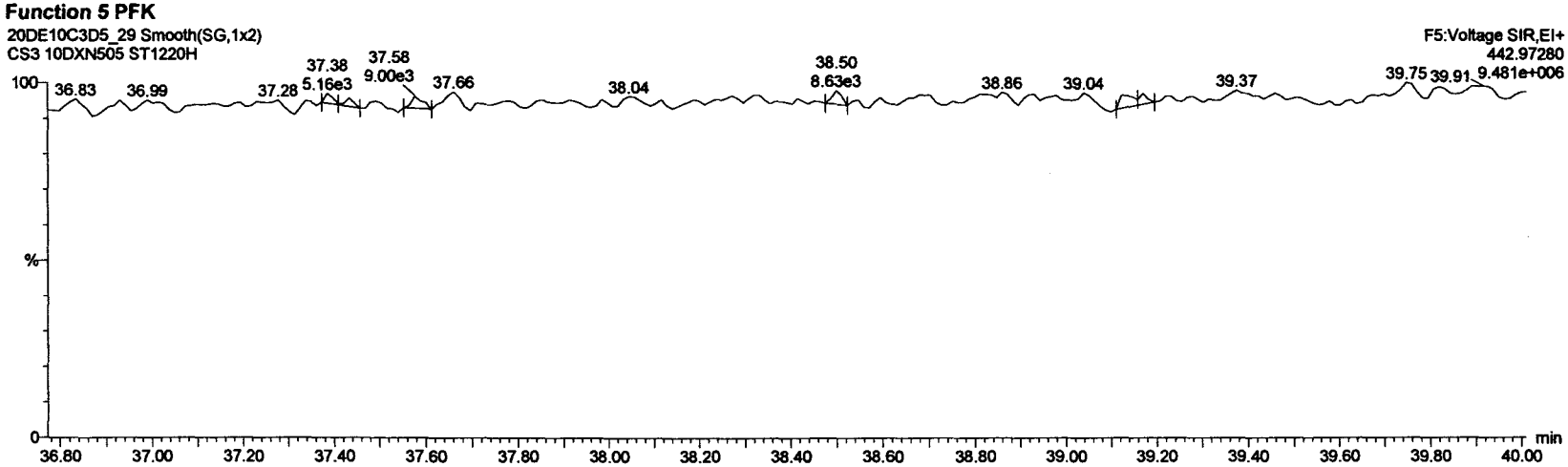
Last Altered: Tuesday, December 21, 2010 14:31:11 Pacific Standard Time
Printed: Tuesday, December 21, 2010 14:44:04 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDF PCDPE



Function 5 PFK



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Test America – West Sacramento

Daily Calibration Checklist
Dioxin Methods

Method ID TO9 **Associated ICAL** ICAL020103D5TO9

Column ID DB5 **Instrument ID** 3D5

STD ID ST1220H, ST1220I **STD Solution** 10DXN505

Analyzed by A.M. **Date Analyzed** 12/21/10

Std. Pkg. By M.G. **Date Std. Pkg. Assembled** 12/22/10

Std. Pkg. Reviewed By AS **Date Std. Pkg. Reviewed** 12-22-10

DAILY STANDARD PACKAGE	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓	✓
Copy of log-file and Beginning Static Resolution present?	✓	✓
CPSM blow up present?	✓	✓
Curve Summary present?	✓	✓
Summary of Method criteria present or documented below?	✓	✓
Daily standard within method specified limits?*	✓ (1)	✓ (1)
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	✓	✓
CPSM valley ≤ method specified limits?**	✓	✓
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard present?	✓	✓
Ending Static Resolutions present	✓	✓
Absolute retention times for 13C12-1,2,3,4-TCDD and 13C12-1,2,3,7,8,9-HxCDD are within +/- 15 seconds of the retention times in the Initial Calibration? (required for **all** 1613B samples)	NA	NA

COMMENTS: (1) -22.0% dev. for 1,2,3,4,7,8-HxCDD in ending standard. ∴ use ave. RRF = 0.81510.

NCM# 07-0118433

* **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\20DE10C3D5TO9H.qld

Last Altered: Tuesday, December 21, 2010 15:05:25 Pacific Standard Time
Printed: Tuesday, December 21, 2010 15:06:01 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_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

#	Name	Response	RT	RT	RRT	RRF	Conc	%Dev	%Rec	Mod		Ratio	Ref
1	13C-1,2,3,4-TCDD	3075521	18.69	18.69	1.00000	1.00000	100.00	0.0	100.0			0.759	NO
2													
3	13C-2,3,7,8-TCDF	4209968	18.13	18.17	1.32993	1.36886	102.93	2.9	102.9			0.790	NO
4	2,3,7,8-TCDF	378767	18.16	18.14	0.97151	0.89969	9.26	-7.4	92.6			0.757	NO
5	Total TCDFs			21.44	0.97151		9.26						
6													
7	13C-2,3,7,8-TCDD	2898127	18.88	18.89	0.88993	0.94232	105.89	5.9	105.9			0.737	NO
8	2,3,7,8-TCDD	284574	18.91	18.91	1.00877	0.98192	9.73	-2.7	97.3			0.811	NO
9	Total TCDDs			19.55	1.00877		9.73						
10													
11	37CL-2,3,7,8-TCDD	193184	18.90	18.89	0.64940	0.66658	10.26	2.6	102.6				
12													
13	13C-1,2,3,7,8-PeCDF	3304210	23.50	23.53	0.97070	1.07436	110.68	10.7	110.7			1.591	NO
14	1,2,3,7,8-PeCDF	1714228	23.53	23.53	1.06912	1.03760	48.53	-2.9	97.1			1.554	NO
15	2,3,4,7,8-PeCDF	1616464	24.95	24.95	1.02843	0.97843	47.57	-4.9	95.1			1.511	NO
16	Total F2 PeCDFs			34.47	1.04877		96.10						
17	Total F1 PeCDFs			36.56	1.04877								
18													
19	13C-1,2,3,7,8-PeCDD	2454649	25.70	25.74	0.71523	0.79812	111.59	11.6	111.6			1.508	NO
20	1,2,3,7,8-PeCDD	1044835	25.73	25.73	0.88408	0.85131	48.15	-3.7	96.3			1.561	NO
21	Total PeCDDs			31.10	0.88408		48.15						
22													
23	13C-1,2,3,7,8,9-HxCDD	2128638	32.68	32.74	1.00000	1.00000	100.00	0.0	100.0			1.344	NO
24													
25	13C-1,2,3,4,7,8-HxCDF	2350745	31.36	31.36	1.08439	1.10434	101.84	1.8	101.8			0.521	NO
26	1,2,3,4,7,8-HxCDF	1298005	31.37	31.38	1.21851	1.10433	45.31	-9.4	90.6			1.236	NO
27	1,2,3,6,7,8-HxCDF	1507225	31.51	31.51	1.39626	1.28234	45.92	-8.2	91.8			1.267	NO
28	2,3,4,6,7,8-HxCDF	1338361	32.16	32.15	1.23749	1.13867	46.01	-8.0	92.0			1.235	NO
29	1,2,3,7,8,9-HxCDF	1158288	32.88	32.86	1.07822	0.98546	45.70	-8.6	91.4			1.212	NO
30	Total HxCDFs			0.00	1.23262		182.94						
31													
32	13C-1,2,3,6,7,8-HxCDD	2237869	32.38	32.38	0.89448	1.05132	117.53	17.5	117.5			1.309	NO
33	1,2,3,4,7,8-HxCDD	926786	32.32	32.32	1.02768	0.82828	40.30	-19.4	80.6			1.211	NO
34	1,2,3,6,7,8-HxCDD	1185214	32.40	32.40	1.11052	1.05923	47.69	-4.6	95.4			1.281	NO
35	1,2,3,7,8,9-HxCDD	1093548	32.69	32.69	1.11276	0.97731	43.91	-12.2	87.8			1.299	NO
36	Total HxCDDs			0.00	1.08365		131.90						
37													
38	13C-1,2,3,4,6,7,8-HpCDF	1921424	34.22	34.20	0.88081	0.90265	102.48	2.5	102.5			0.457	NO
39	1,2,3,4,6,7,8-HpCDF	1280909	34.23	34.23	1.40167	1.33329	47.56	-4.9	95.1			1.077	NO
40	1,2,3,4,7,8,9-HpCDF	1037498	35.36	35.34	1.19912	1.07993	45.03	-9.9	90.1			1.003	NO
41	Total HpCDFs			0.00	1.30039		92.59						
42													
43	13C-1,2,3,4,6,7,8-HpCDD	1752007	35.05	35.01	0.85740	0.82307	96.00	-4.0	96.0			1.075	NO
44	1,2,3,4,6,7,8-HpCDD	841236	35.05	35.06	0.98108	0.96031	48.94	-2.1	97.9			1.043	NO
45	Total HpCDDs			-0.02	0.98108		49.85						
46													

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Tuesday, December 21, 2010 15:05:25 Pacific Standard Time
Printed: Tuesday, December 21, 2010 15:06:01 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

#	Name	Response	RT	Rel RT	RRF	ERF	Conc	%Dev	%Rec	Mono	Ratio	Ratio Flag
47	13C-OCDD	2707775	37.50	37.44	0.64317	0.63603	197.78	-1.1	98.9		0.924	NO
48	OCDF	1895917	37.61	37.61	1.47706	1.40035	94.81	-5.2	94.8		0.890	NO
49	OCDD	1551314	37.52	37.52	1.19620	1.14582	95.79	-4.2	95.8		0.890	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	21	20.24	20.25	17.814...	21.491...	1.21	20.6	120.6			
58	F1 PeCDF PCDPE	70	19.38	19.31	97.109...	69.929...	0.72	-28.0	72.0			
59	F2 PeCDF PCDPE	188	28.37	28.29	51.062...	188.23...	3.69	268.6	368.6			
60	HXCDF PCDPE			33.24	21.190...							
61	HPCDF PCDPE			34.27	39.173...							
62	OCDF PCDPE	73	39.06	39.16	27.302...	73.402...	2.69	168.8	268.8			

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:32:43 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_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Req	Mod D	Ratio	Ratio Flag
1	13C-1,2,3,4-TCDD	3532041	18.70	18.70	1.00000	1.00000	100.00	0.0	100.0		0.763	NO
2												
3	13C-2,3,7,8-TCDF	4804184	18.14	18.17	1.32993	1.36017	102.27	2.3	102.3		0.786	NO
4	2,3,7,8-TCDF	433631	18.16	18.16	0.97151	0.90261	9.29	-7.1	92.9		0.780	NO
5	Total TCDFs			21.44	0.97151		9.29					
6												
7	13C-2,3,7,8-TCDD	3397608	18.90	18.91	0.88993	0.96194	108.09	8.1	108.1		0.759	NO
8	2,3,7,8-TCDD	328152	18.91	18.93	1.00877	0.96583	9.57	-4.3	95.7		0.803	NO
9	Total TCDDs			19.55	1.00877		9.57					
10												
11	37CL-2,3,7,8-TCDD	229097	18.91	18.90	0.64940	0.67429	10.38	3.8	103.8			
12												
13	13C-1,2,3,7,8-PeCDF	3804118	23.50	23.54	0.97070	1.07703	110.95	11.0	111.0		1.614	NO
14	1,2,3,7,8-PeCDF	1950471	23.53	23.53	1.06912	1.02545	47.96	-4.1	95.9		1.575	NO
15	2,3,4,7,8-PeCDF	1884119	24.95	24.95	1.02843	0.99057	48.16	-3.7	96.3		1.641	NO
16	Total F2 PeCDFs			34.47	1.04877		96.12					
17	Total F1 PeCDFs			36.56	1.04877		0.03					
18												
19	13C-1,2,3,7,8-PeCDD	2841394	25.70	25.75	0.71523	0.80446	112.48	12.5	112.5		1.561	NO
20	1,2,3,7,8-PeCDD	1217144	25.73	25.73	0.88408	0.85672	48.45	-3.1	96.9		1.612	NO
21	Total PeCDDs			31.10	0.88408		48.45					
22												
23	13C-1,2,3,7,8,9-HxCDD	2562830	32.69	32.74	1.00000	1.00000	100.00	0.0	100.0		1.252	NO
24												
25	13C-1,2,3,4,7,8-HxCDF	2742338	31.36	31.38	1.08439	1.07004	98.68	-1.3	98.7		0.527	NO
26	1,2,3,4,7,8-HxCDF	1500701	31.37	31.38	1.21851	1.09447	44.91	-10.2	89.8		1.231	NO
27	1,2,3,6,7,8-HxCDF	1781877	31.51	31.51	1.39626	1.29953	46.54	-6.9	93.1		1.264	NO
28	2,3,4,6,7,8-HxCDF	1582978	32.16	32.15	1.23749	1.15447	46.65	-6.7	93.3		1.232	NO
29	1,2,3,7,8,9-HxCDF	1382412	32.88	32.86	1.07822	1.00820	46.75	-6.5	93.5		1.278	NO
30	Total HxCDFs			0.00	1.23262		184.84					
31												
32	13C-1,2,3,6,7,8-HxCDD	2640860	32.40	32.40	0.89448	1.03045	115.20	15.2	115.2		1.256	NO
33	1,2,3,4,7,8-HxCDD	1058894	32.32	32.33	1.02768	0.80193	39.02	-22.0	78.0		1.243	NO
34	1,2,3,6,7,8-HxCDD	1377903	32.41	32.41	1.11052	1.04353	46.98	-6.0	94.0		1.284	NO
35	1,2,3,7,8,9-HxCDD	1234093	32.70	32.70	1.11276	0.93461	42.00	-16.0	84.0		1.243	NO
36	Total HxCDDs			0.00	1.08365		128.00					
37												
38	13C-1,2,3,4,6,7,8-HpCDF	2315819	34.23	34.22	0.88081	0.90362	102.59	2.6	102.6		0.456	NO
39	1,2,3,4,6,7,8-HpCDF	1564929	34.25	34.25	1.40167	1.35151	48.21	-3.6	96.4		1.035	NO
40	1,2,3,4,7,8,9-HpCDF	1288339	35.38	35.35	1.19912	1.11264	46.39	-7.2	92.8		1.029	NO
41	Total HpCDFs			0.00	1.30039		94.61					
42												
43	13C-1,2,3,4,6,7,8-HpCDD	2326657	35.05	35.02	0.85740	0.90785	105.88	5.9	105.9		1.024	NO
44	1,2,3,4,6,7,8-HpCDD	1081759	35.06	35.06	0.98108	0.92988	47.39	-5.2	94.8		1.063	NO
45	Total HpCDDs			-0.02	0.98108		47.39					
46												

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:32:43 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

#	Name	Response	RT	Pred RT	RRF M	RRF	Conc	%Dev	%Rec	Mod D%	Ratio	Ratio Flag
47	13C-OCDD	3829588	37.52	37.45	0.64317	0.74714	232.33	16.2	116.2		0.940	NO
48	OCDF	2579498	37.62	37.62	1.47706	1.34714	91.20	-8.8	91.2		0.929	NO
49	OCDD	2198498	37.52	37.53	1.19620	1.14816	95.98	-4.0	96.0		0.908	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	65	20.27	20.25	17.814...	65.025...	3.65	265.0	365.0			
58	F1 PeCDF PCDPE			19.31	97.109...							
59	F2 PeCDF PCDPE	70	28.32	28.29	51.062...	69.994...	1.37	37.1	137.1			
60	HXCDF PCDPE			33.24	21.190...							
61	HPCDF PCDPE			34.27	39.173...							
62	OCDF PCDPE	57	39.09	39.16	27.302...	56.507...	2.07	107.0	207.0			

	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	G0L190000-26BF 0353026	MCKFP-1-AAB	0023A/Air	42	0.500000	Samp
5	20DE10C3D5_5	G0L190000-26BX 0353026	MCKFP-1-AEB	0023A/Air	42	0.500000	Samp
6	20DE10C3D5_6	G0L190000-26C 0353026	MCKFP-1-ACC	0023A/Air	42	0.500000	Samp
7	20DE10C3D5_7	G0L190000-26L 0353026	MCKFP-1-ADL	0023A/Air	42	0.500000	Samp
8	20DE10C3D5_8	G0L150000-402C 0349402	MCEK8-1-ACC	TO9/Air	41	0.500000	Samp
9	20DE10C3D5_9	G0L150000-402L 0349402	MCEK8-1-ADL	TO9/Air	41	0.500000	Samp
10	20DE10C3D5_10	G0L170668-1 0353026	MCJTP-1-AA	0023A/Air	42	0.500000	Samp
11	20DE10C3D5_11	G0L170668-2 0353026	MCJTQ-1-AA	0023A/Air	42	0.500000	Samp
12	20DE10C3D5_12	G0L170668-3 0353026	MCJTR-1-AA	0023A/Air	42	0.500000	Samp
13	20DE10C3D5_13	G0L170668-4 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	G0L170000-382B 0351382	MCJNK-1-AAB	TO9/Air	42	0.500000	Samp
18	20DE10C3D5_18	G0L170000-382C 0351382	MCJNK-1-ACC	TO9/Air	42	0.500000	Samp
19	20DE10C3D5_19	G0L170000-382L 0351382	MCJNK-1-ADL	TO9/Air	42	0.500000	Samp
20	20DE10C3D5_20	G0L170668-5 0353026	MCJTV-1-AA	0023A/Air	42	0.500000	Samp
21	20DE10C3D5_21	G0L170668-6 0353026	MCJTW-1-AA	0023A/Air	42	0.500000	Samp
22	20DE10C3D5_22	G0L170668-7 0353026	MCJTX-1-AA	0023A/Air	42	0.500000	Samp
23	20DE10C3D5_23	G0L170668-8 0353026	MCJT0-1-AA	0023A/Air	42	0.500000	Samp
24	20DE10C3D5_24	G0L170668-9 0353026	MCJT1-1-AA	0023A/Air	42	0.500000	Samp
25	20DE10C3D5_25	G0L170668-10 0353026	MCJT2-1-AA	0023A/Air	42	0.500000	Samp
26	20DE10C3D5_26	G0L170472-2 0351382	MCG64-1-AA	TO9/Air	42	0.500000	Samp
27	20DE10C3D5_27	G0L170472-6 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	G0L150491-1MB 0350409	MCGE7-1-AA	8290/Solid	41	10.000000	g
32	20DE10C3D5_32	G0L170472-8 0351382	MCG7N-1-AA	TO9/Air	42	0.500000	Samp
33	20DE10C3D5_33	G0L170472-10 0351382	MCG7W-1-AA	TO9/Air	42	0.500000	Samp
34	20DE10C3D5_34	G0L170472-13 0351382	MCG77-1-AA	TO9/Air	42	0.500000	Samp
35	20DE10C3D5_35	G0L170472-17 0351382	MCG8K-1-AA	TO9/Air	42	0.500000	Samp
36	20DE10C3D5_36	G0L150491-1 0350409	MCD1N-1-AA	8290/Solid	41	10.980000	g
37	20DE10C3D5_37	G0L150491-2 0350409	MCD1R-1-AA	8290/Solid	41	10.370000	g
38	20DE10C3D5_38	G0L150491-3 0350409	MCD1T-1-AA	8290/Solid	41	10.300000	g
39	20DE10C3D5_39	G0L150491-4 0350409	MCD1V-1-AA	8290/Solid	41	10.270000	g
40	20DE10C3D5_40	G0L150491-5 0350409	MCD1X-1-AA	8290/Solid	41	10.460000	g
41	20DE10C3D5_41	G0L150491-7 0350409	MCD2D-1-AA	8290/Solid	41	10.580000	g
42	20DE10C3D5_42	G0L150491-1LCS 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	G0L150549-1MB 0350431	MCGHC-1-AA	1613BT/Water	41	1.000000	L
46	20DE10C3D5_46	G0L150491-6 0350409	MCD17-1-AA	8290/Solid	41	10.610000	g
47	20DE10C3D5_47	G0L150491-6S 0350409	MCD17-1-AD	8290/Solid	41	10.490000	g
48	20DE10C3D5_48	G0L150491-6D 0350409	MCD17-1-AE	8290/Solid	41	10.630000	g
49	20DE10C3D5_49	G0L140572-4 0350429	MCCWM-1-AA	8290T/Water	41	1.004500	L
50	20DE10C3D5_50	G0L140521-1 0349403	MCCH4-1-AA	TO9/Air	41	0.500000	Samp
51	20DE10C3D5_51	G0L140521-2 0349403	MCCH7-1-AA	TO9/Air	41	0.500000	Samp
52	20DE10C3D5_52	G0L140521-3 0349403	MCCJA-1-AA	TO9/Air	41	0.500000	Samp
53	20DE10C3D5_53	G0L140521-4 0349403	MCCJD-1-AA	TO9/Air	41	0.500000	Samp
54	20DE10C3D5_54	G0L150549-1 0350431	MCEEK-1-AA	1613BT/Water	41	1.016090	L
55	20DE10C3D5_55	G0L150549-1LCS 0350431	MCGHC-1-AC	1613BT/Water	41	1.000000	L
56	20DE10C3D5_56	CS3 10DXN505	ST1220J	—	—	1.000000	—
57	20DE10C3D5_57	DB-5 CPSM 10LRES076	CP1220F	—	—	1.000000	—

review
to #43
by MS
12/22/1

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
Tray01:1	—	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	—	—	—
Tray01:25	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:26	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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
Tray01:41	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:42	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:43	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:44	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:45	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:46	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:36	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	—	—	—	—	—	—
Tray01:37	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:49	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:50	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:51	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
Tray01:52	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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
Tray01:47	20	2.000000	Analyte	AM	Dioxin3D5	dioxin	—	—	—	2000	4000	800
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	—	—	—	—	—	—

ConG	Process	Process Options	Action On Error
100	---	---	---
100	---	---	---
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2000	---	---	---
2000	---	---	---
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---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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---	---	---	---
2000	---	---	---
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2000	---	---	---
---	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	---	---	---
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2000	---	---	---
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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2000	---	---	---
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2000	---	---	---
2000	---	---	---
2000	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
100	ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
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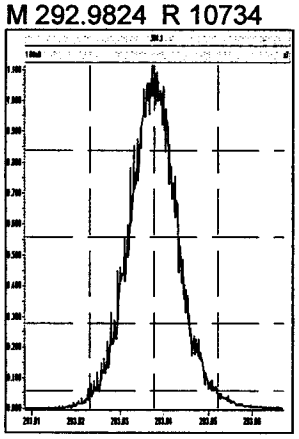
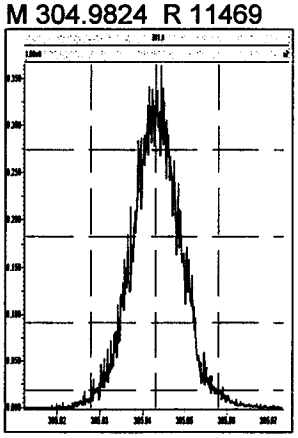
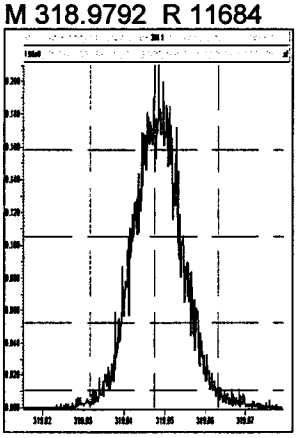
M 292.9824 R 10734



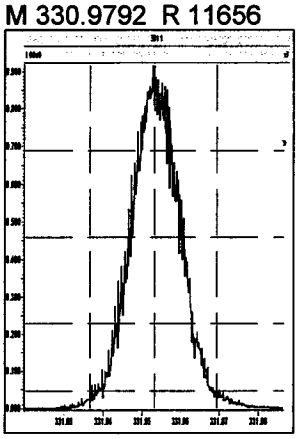
M 304.9824 R 11469



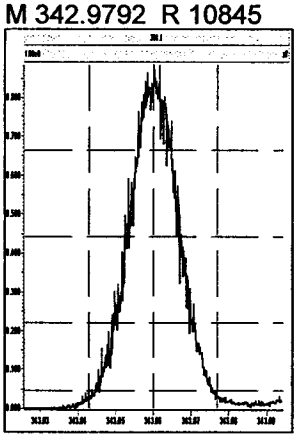
M 318.9792 R 11684



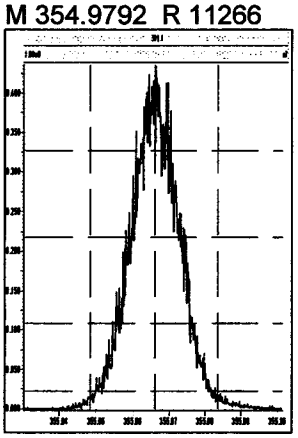
M 330.9792 R 11656



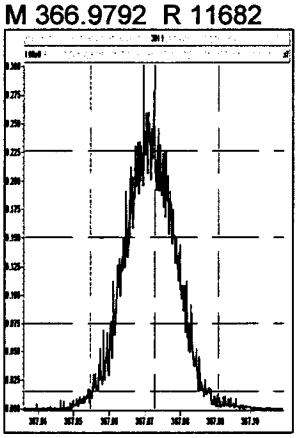
M 342.9792 R 10845



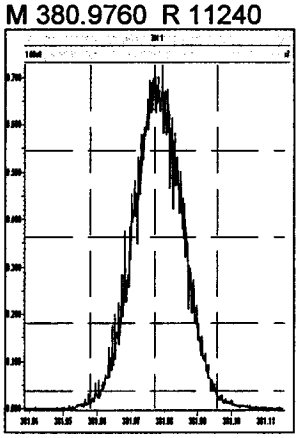
M 354.9792 R 11266



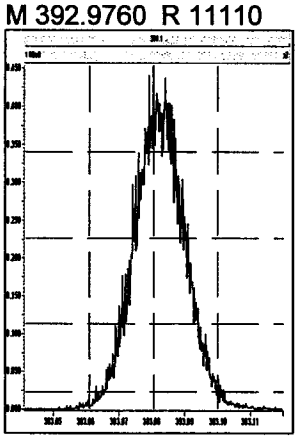
M 366.9792 R 11682



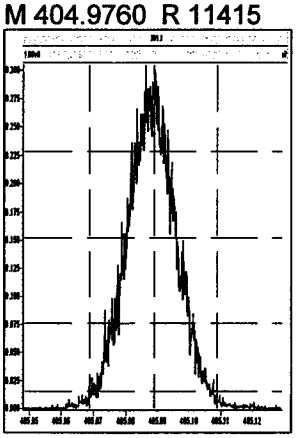
M 380.9760 R 11240



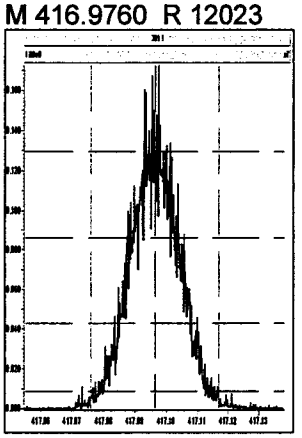
M 392.9760 R 11110



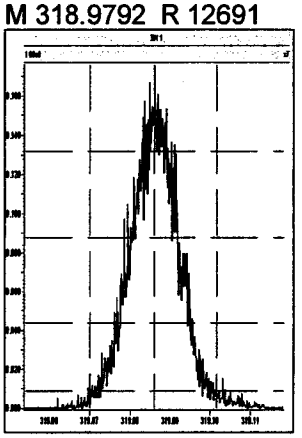
M 404.9760 R 11415



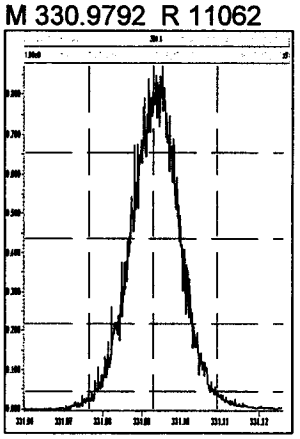
M 416.9760 R 12023



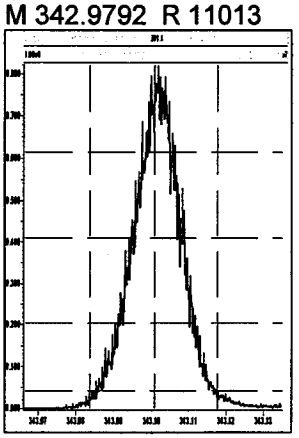
M 318.9792 R 12691



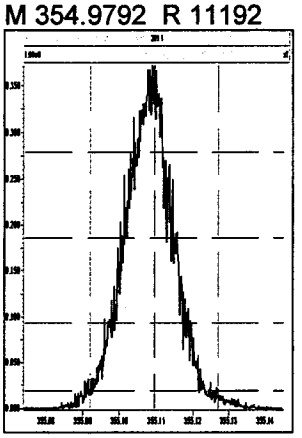
M 330.9792 R 11062



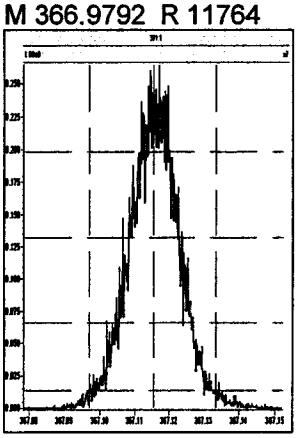
M 342.9792 R 11013



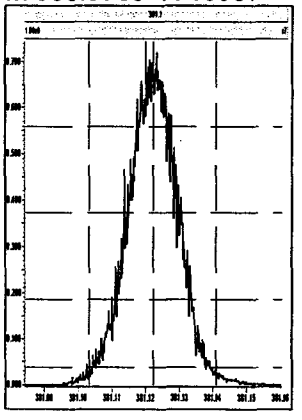
M 354.9792 R 11192



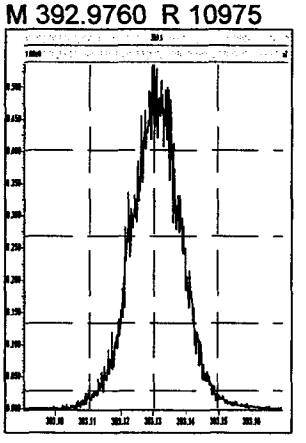
M 366.9792 R 11764



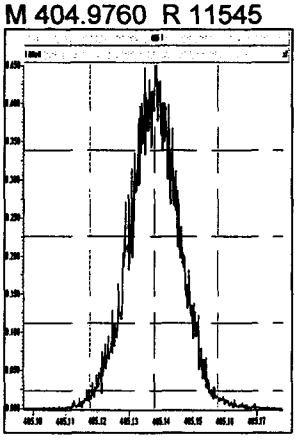
M 380.9760 R 10967



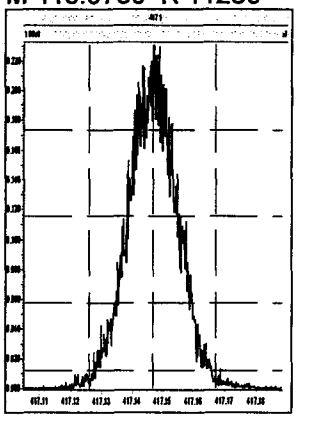
M 392.9760 R 10975



M 404.9760 R 11545



M 416.9760 R 11269



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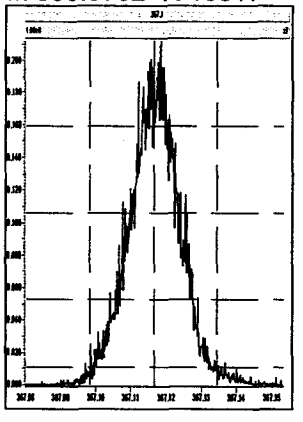

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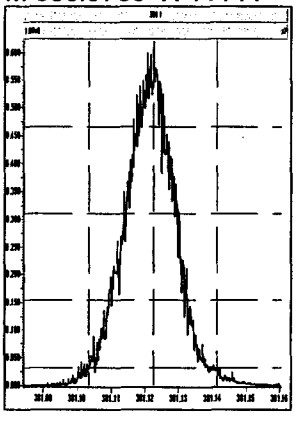
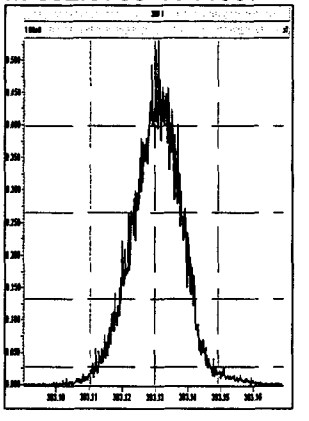


M 392.9760 R 11067



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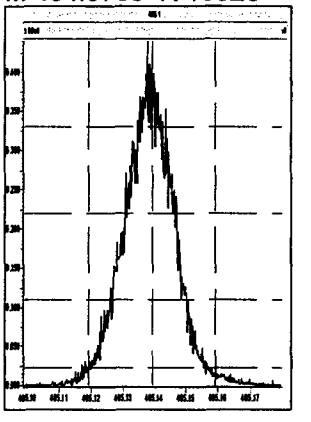

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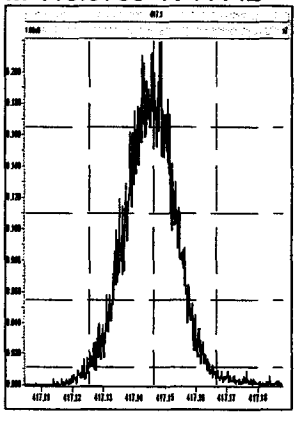
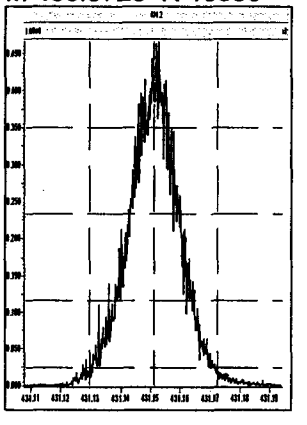
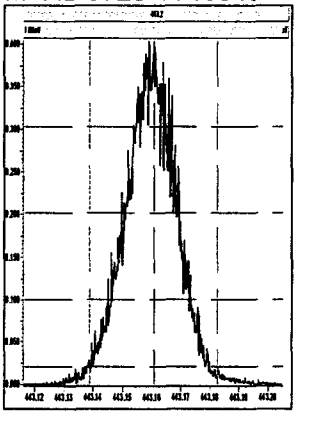


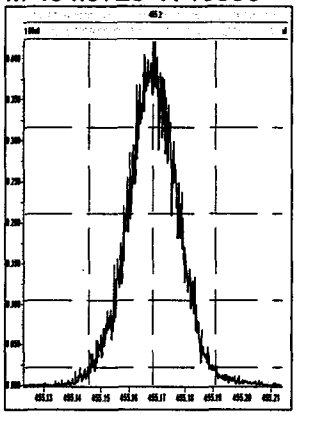
M 430.9728 R 10666



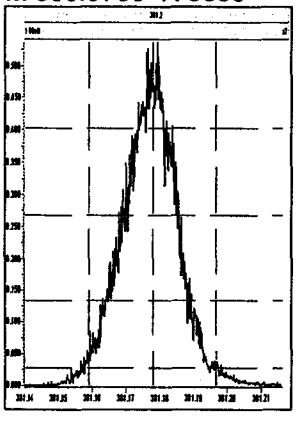
M 442.9728 R 10845



M 454.9728 R 10593



M 380.9760 R 9896



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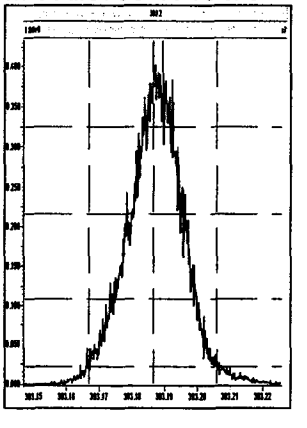

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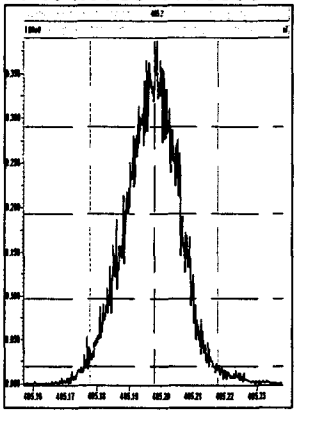
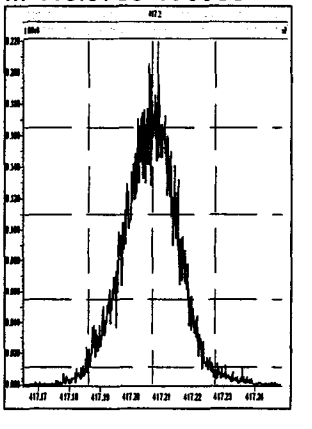
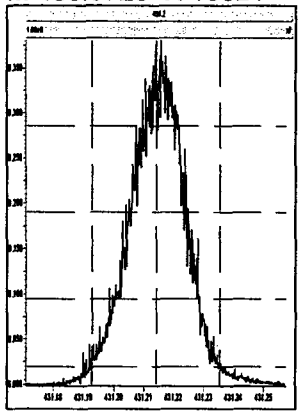


M 416.9760 R 9900



M 430.9728 R 10021



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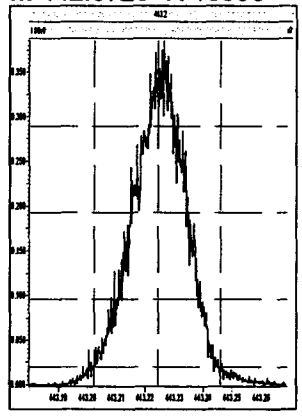

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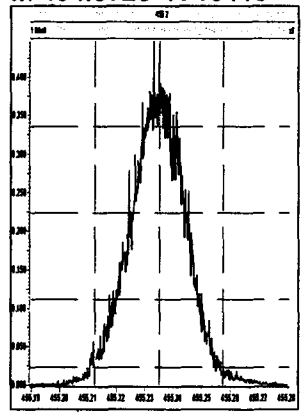
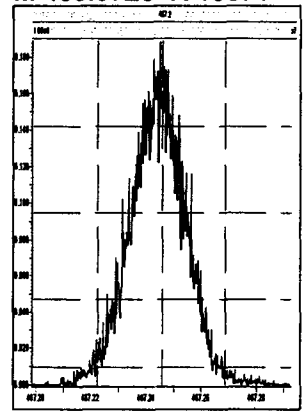


M 466.9728 R 10871



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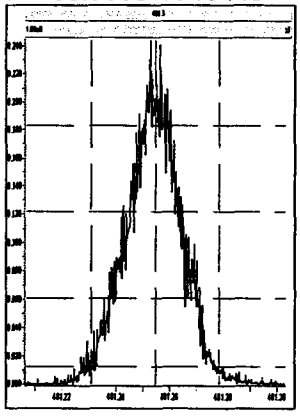
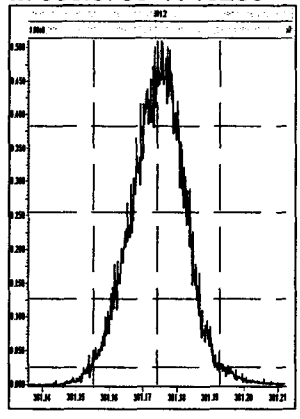


M 380.9760 R 10268



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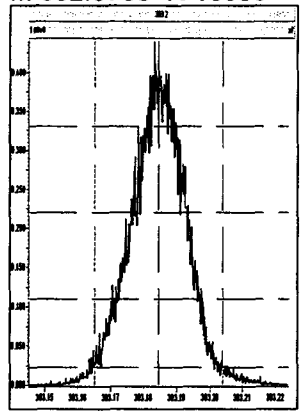
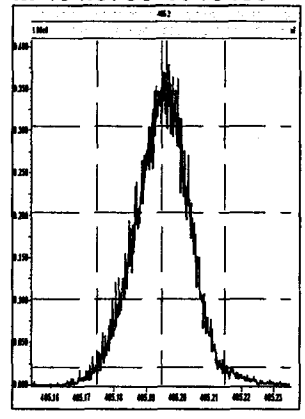
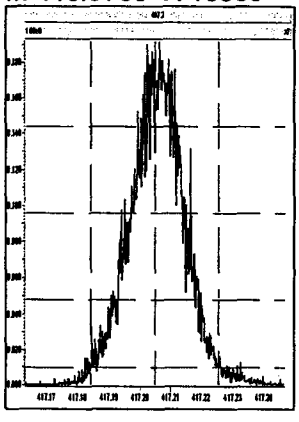


M 404.9760 R 10400



M 416.9760 R 10309



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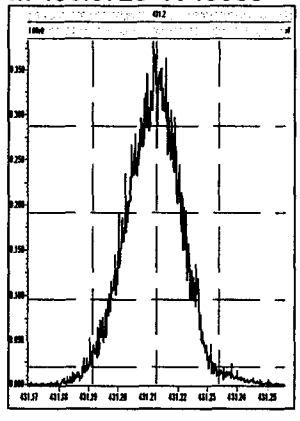

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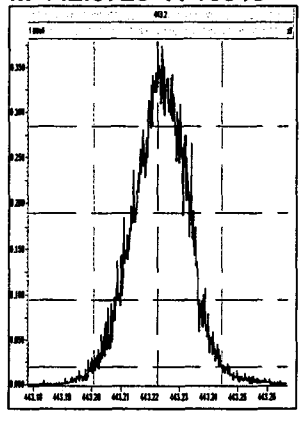

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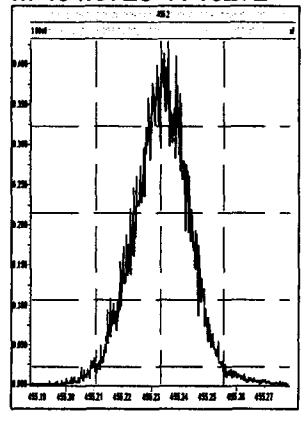
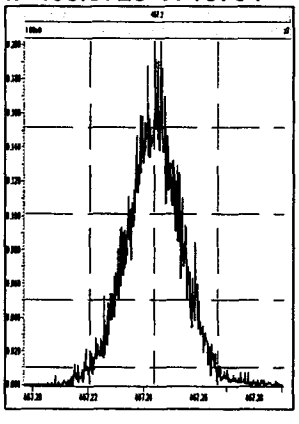
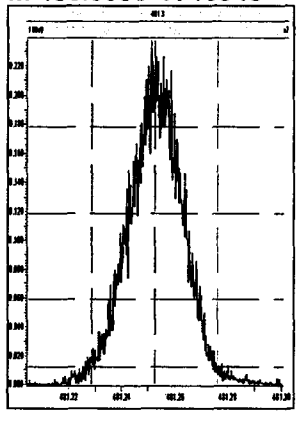


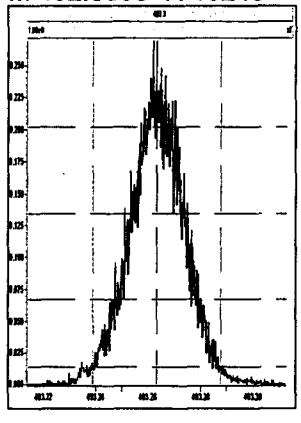
M 466.9728 R 10734



M 480.9696 R 10943



M 492.9696 R 10248



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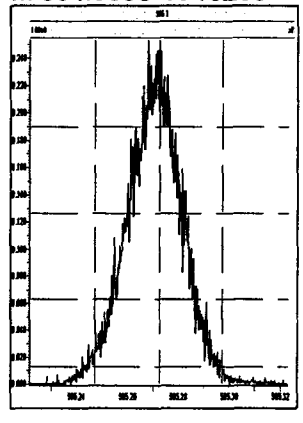

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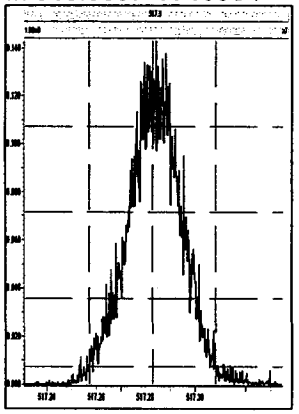

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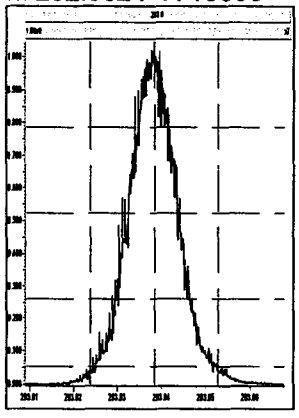
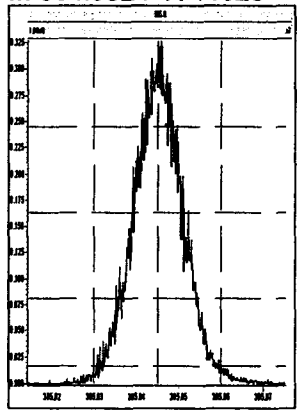
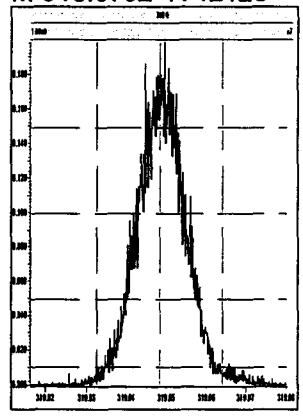


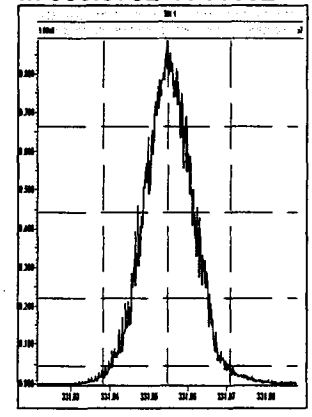
M 304.9824 R 11520



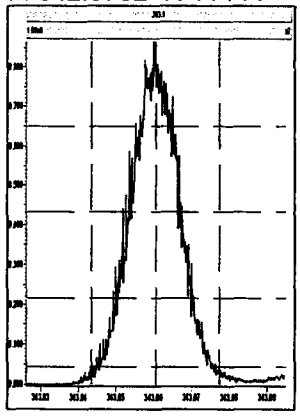
M 318.9792 R 12126



M 330.9792 R 11062



M 342.9792 R 11444



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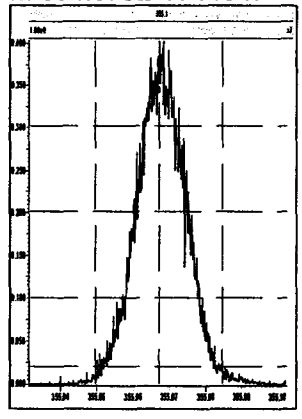
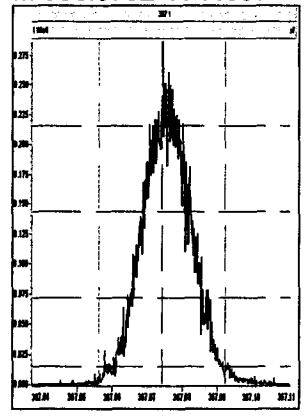
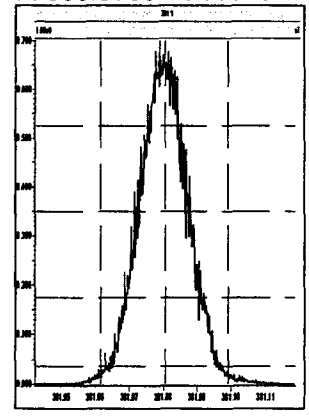


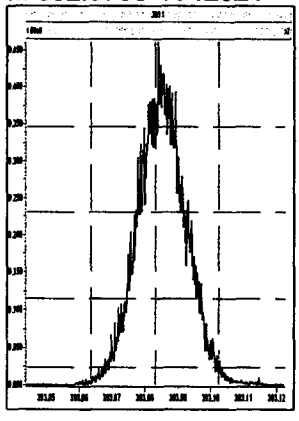
M 366.9792 R 11657



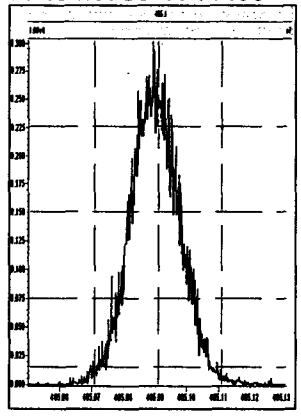
M 380.9760 R 11375



M 392.9760 R 12021



M 404.9760 R 11495



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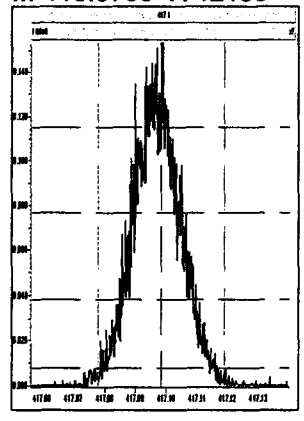

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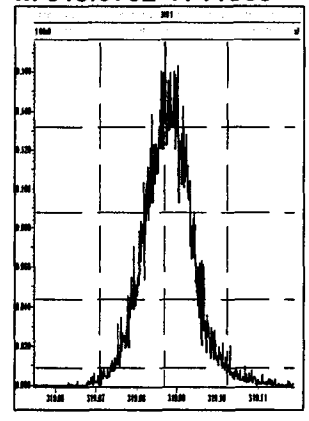

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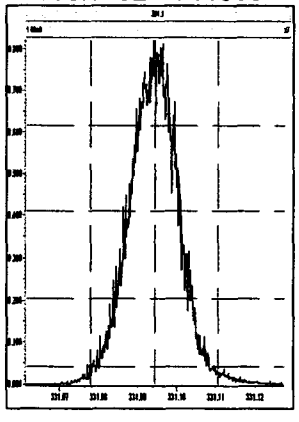
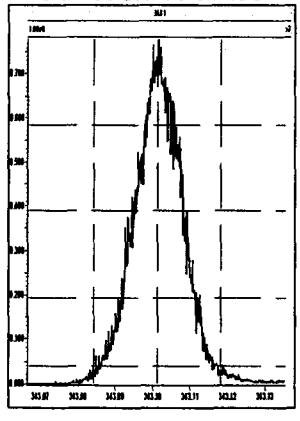
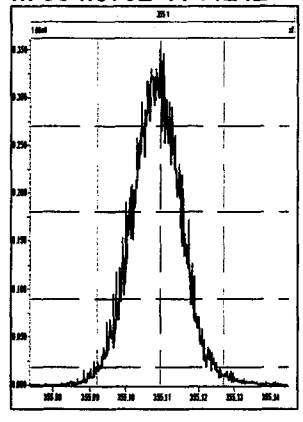


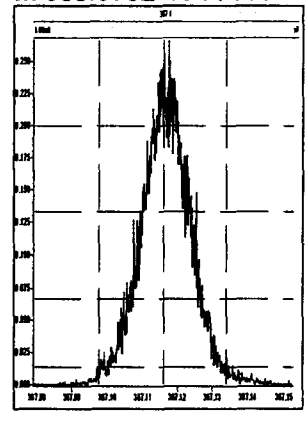
M 342.9792 R 11293



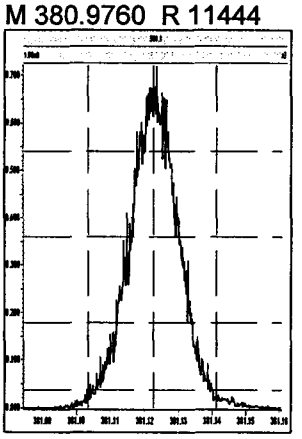
M 354.9792 R 11242



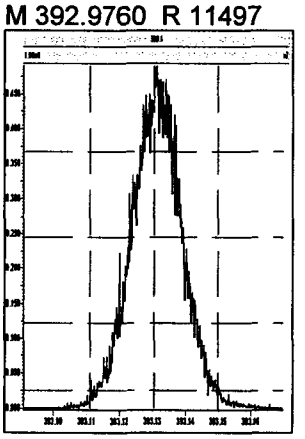
M 366.9792 R 11441



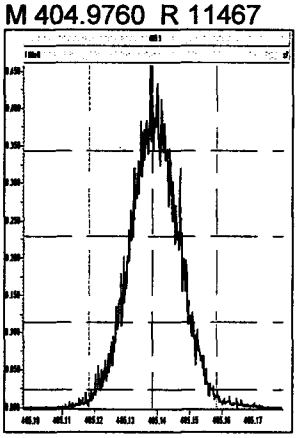
M 380.9760 R 11444



M 392.9760 R 11497



M 404.9760 R 11467



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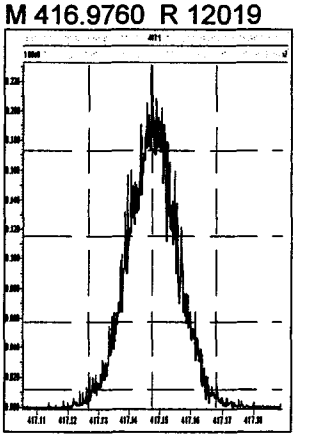
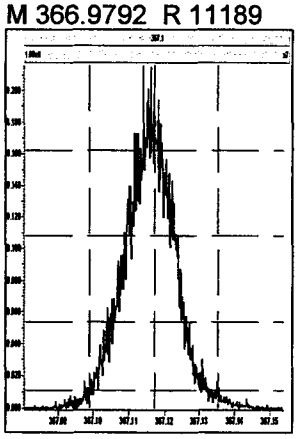
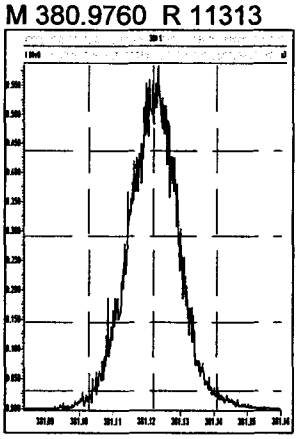


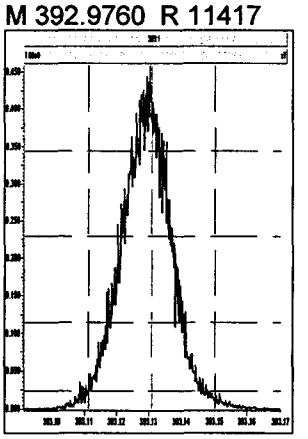
M 366.9792 R 11189



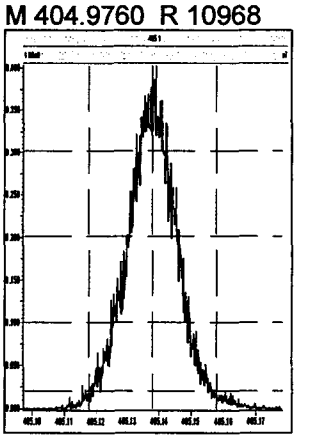
M 380.9760 R 11313



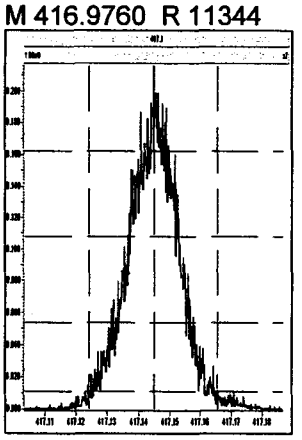
M 392.9760 R 11417



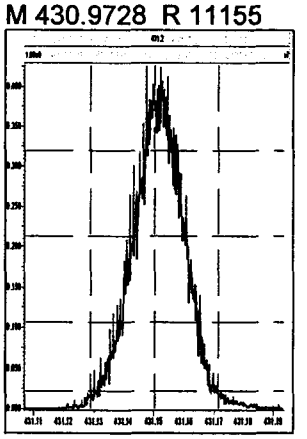
M 404.9760 R 10968



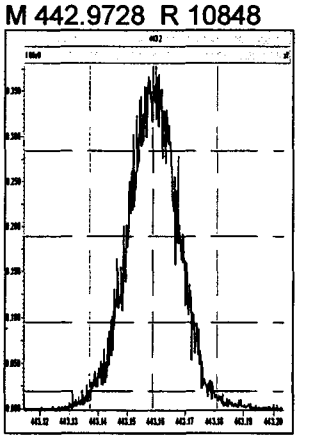
M 416.9760 R 11344



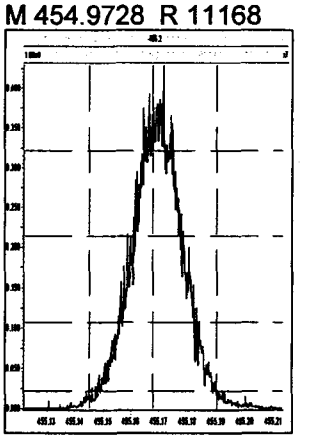
M 430.9728 R 11155



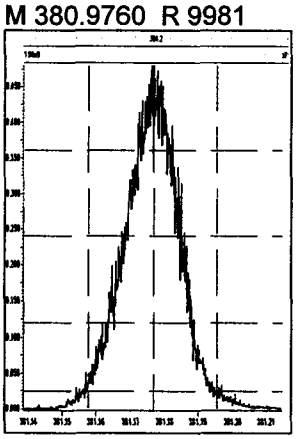
M 442.9728 R 10848



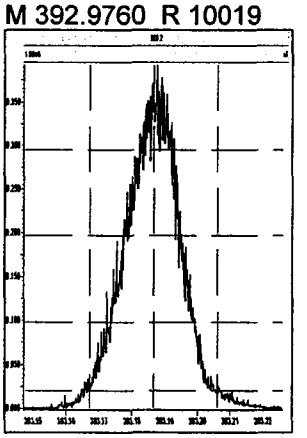
M 454.9728 R 11168



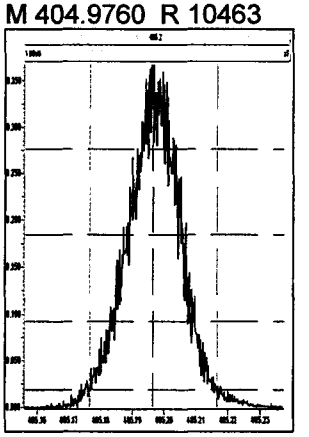
M 380.9760 R 9981



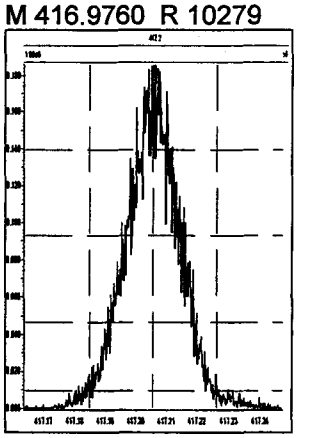
M 392.9760 R 10019



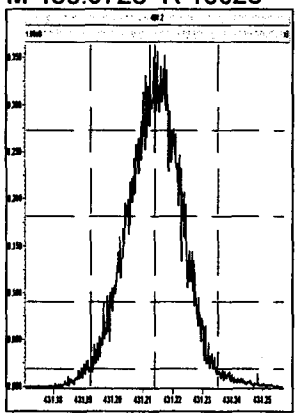
M 404.9760 R 10463



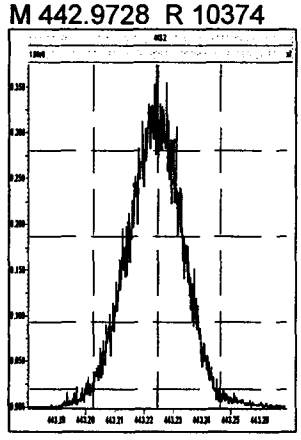
M 416.9760 R 10279



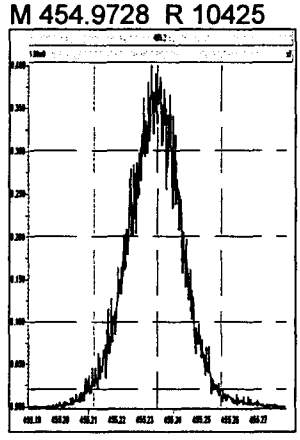
M 430.9728 R 10026



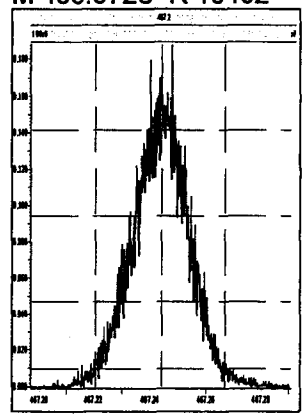
M 442.9728 R 10374



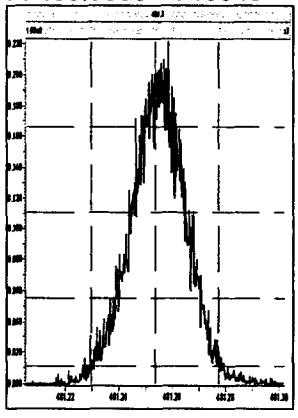
M 454.9728 R 10425



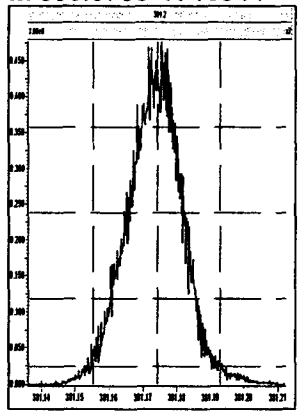
M 466.9728 R 10402



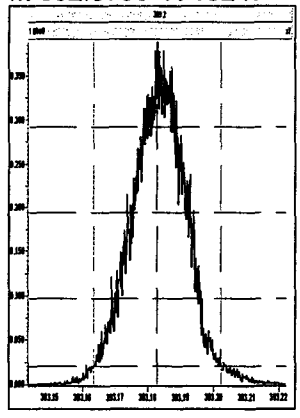
M 480.9696 R 10043



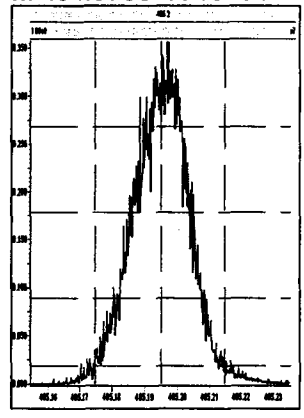
M 380.9760 R 10344



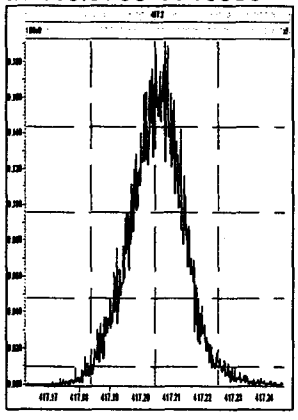
M 392.9760 R 10247



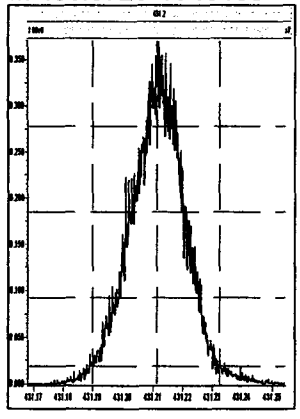
M 404.9760 R 10101



M 416.9760 R 10560



M 430.9728 R 10168



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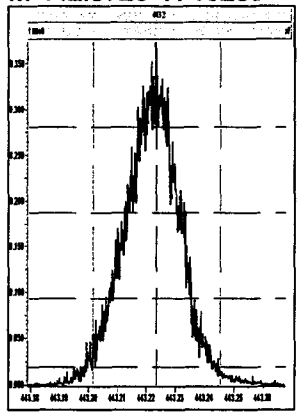

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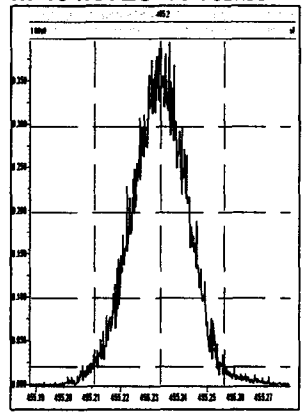

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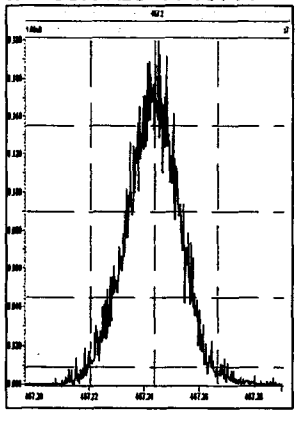
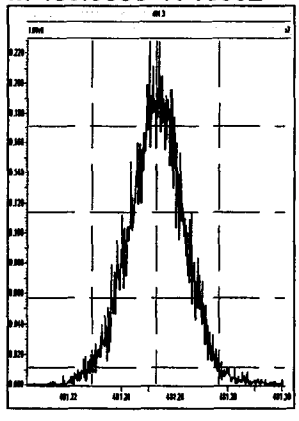
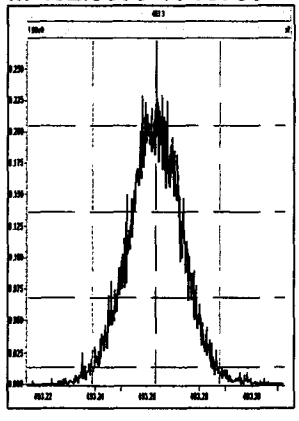


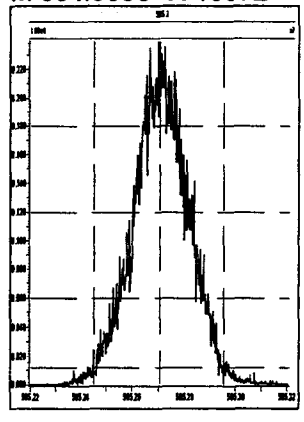
M 480.9696 R 10352



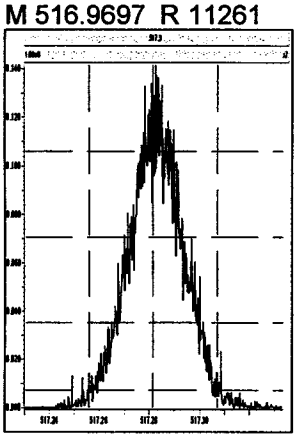
M 492.9696 R 10730



M 504.9696 R 10572



M 516.9697 R 11261



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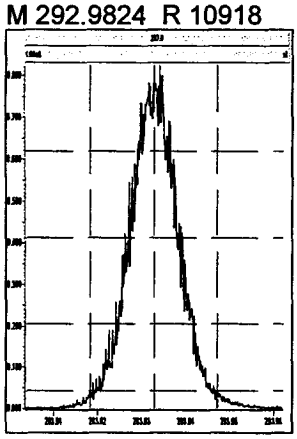
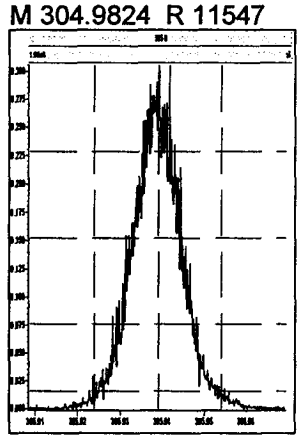
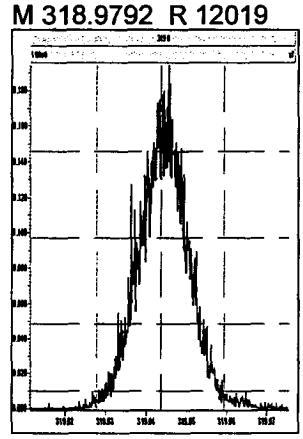
M 292.9824 R 10918



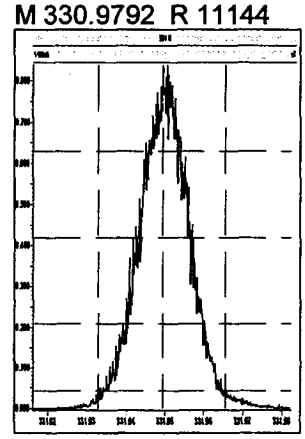
M 304.9824 R 11547



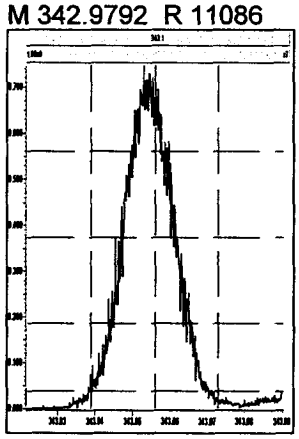
M 318.9792 R 12019



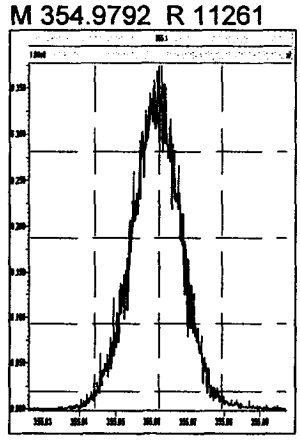
M 330.9792 R 11144



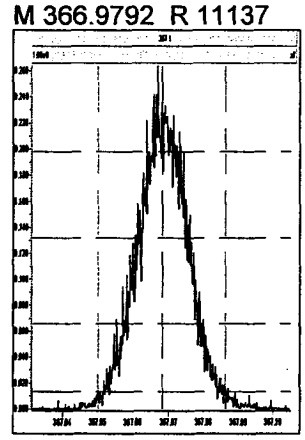
M 342.9792 R 11086



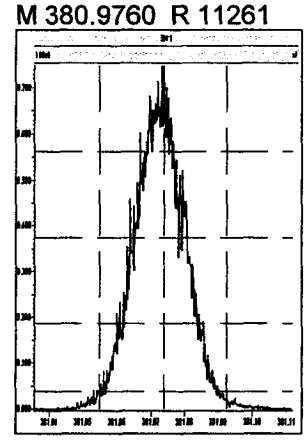
M 354.9792 R 11261



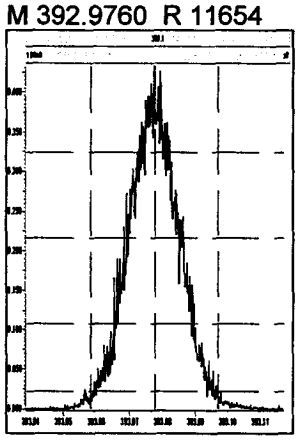
M 366.9792 R 11137



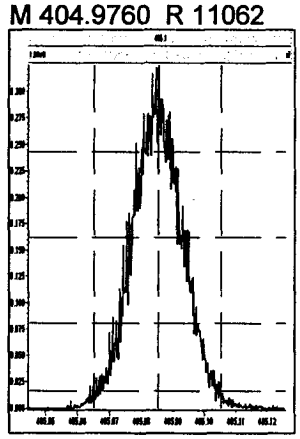
M 380.9760 R 11261



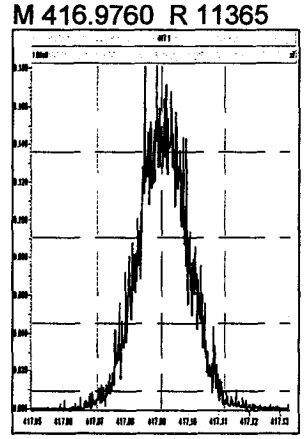
M 392.9760 R 11654



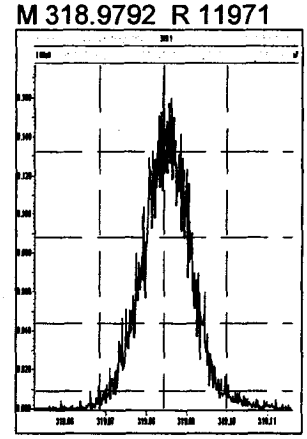
M 404.9760 R 11062



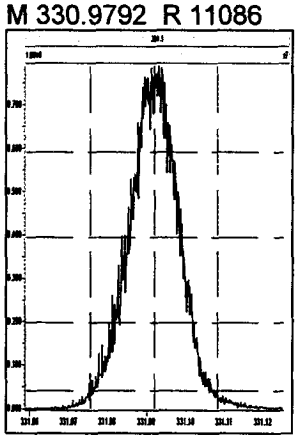
M 416.9760 R 11365



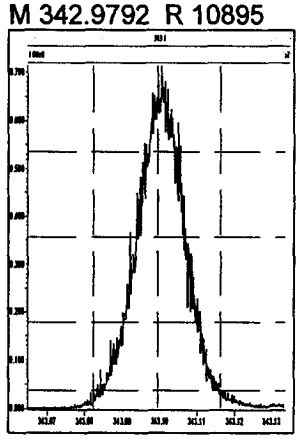
M 318.9792 R 11971



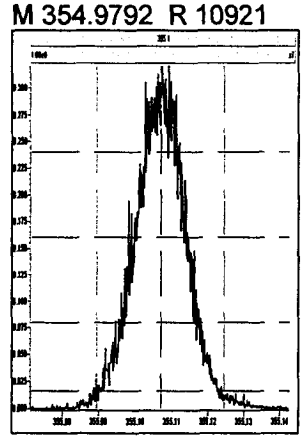
M 330.9792 R 11086



M 342.9792 R 10895



M 354.9792 R 10921



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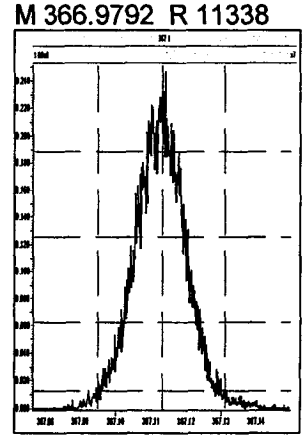
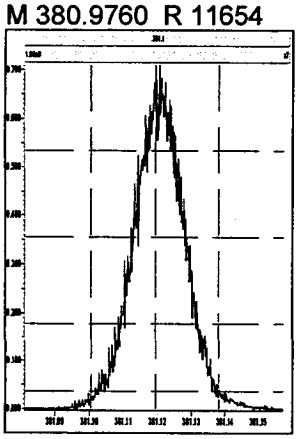
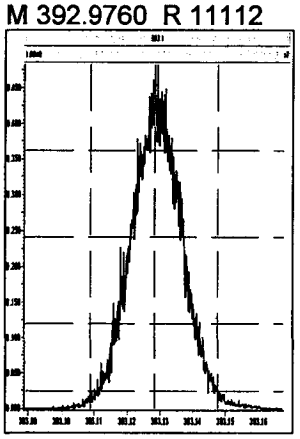


M 380.9760 R 11654



M 392.9760 R 11112



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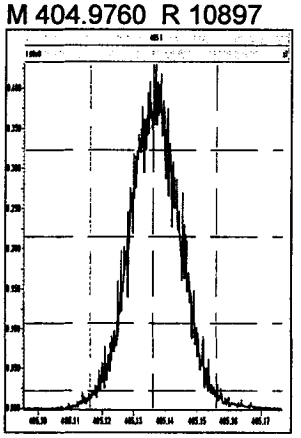

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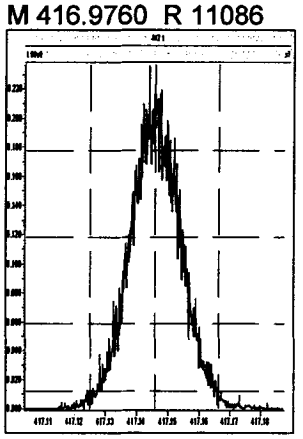
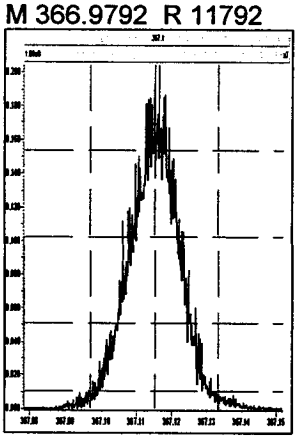
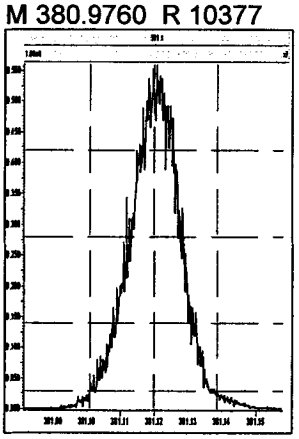


M 366.9792 R 11792



M 380.9760 R 10377



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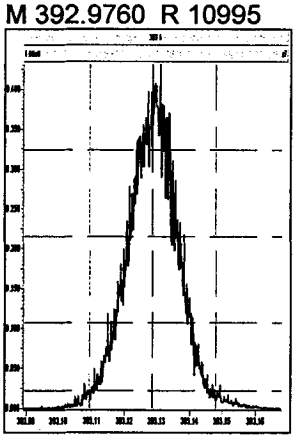
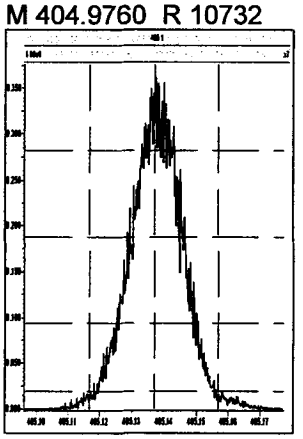
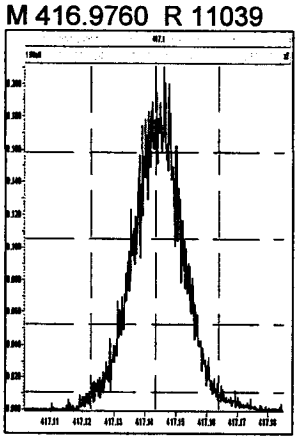


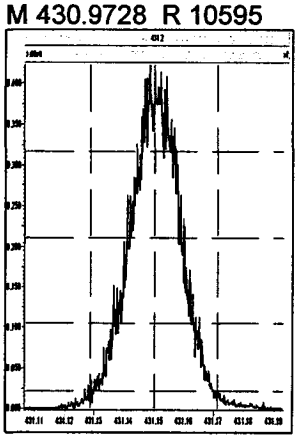
M 404.9760 R 10732



M 416.9760 R 11039



M 430.9728 R 10595



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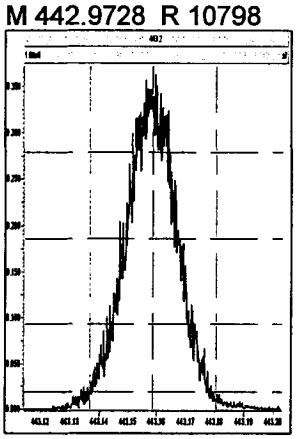

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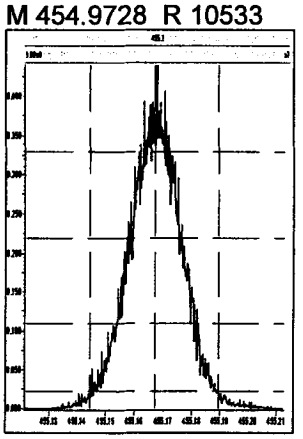

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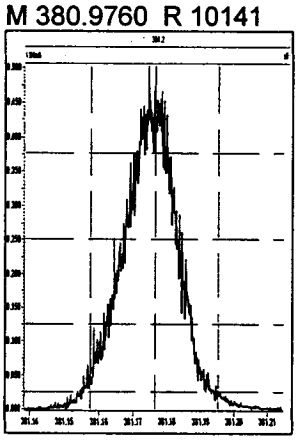

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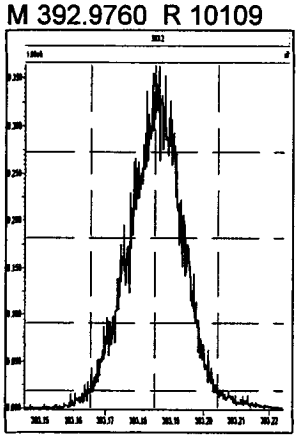
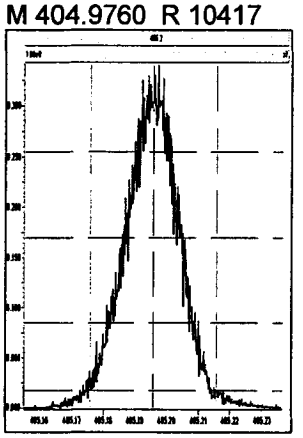
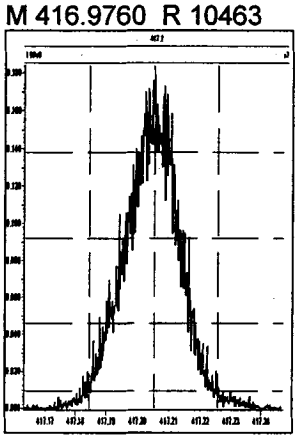


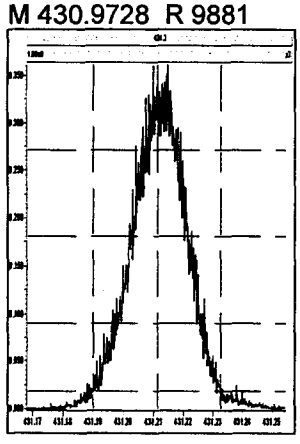
M 404.9760 R 10417



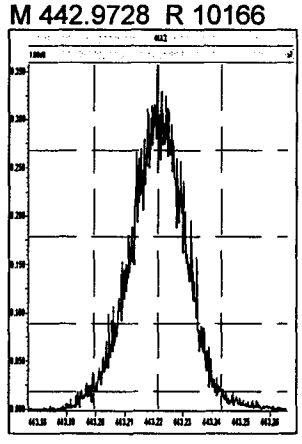
M 416.9760 R 10463



M 430.9728 R 9881



M 442.9728 R 10166



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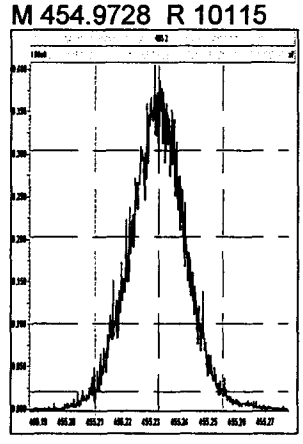
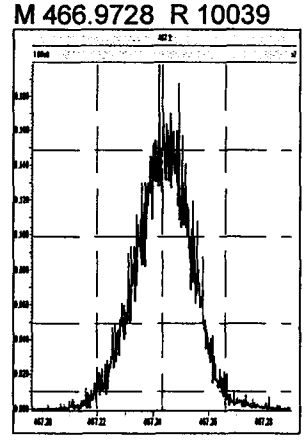
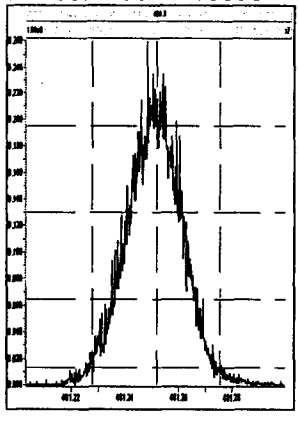


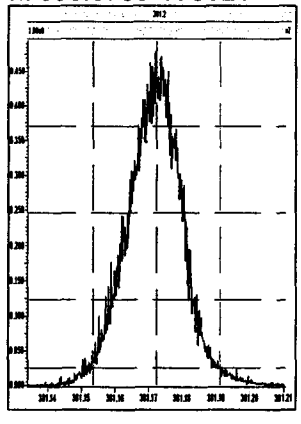
M 466.9728 R 10039



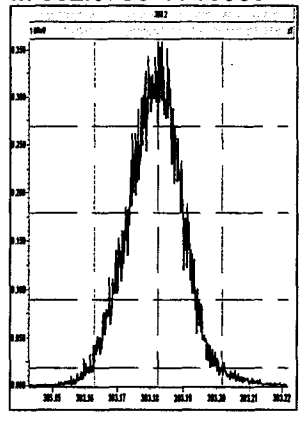
M 480.9696 R 10660



M 380.9760 R 9921



M 392.9760 R 10355



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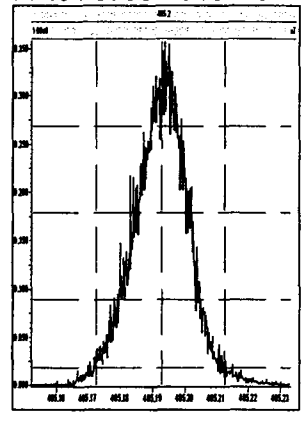

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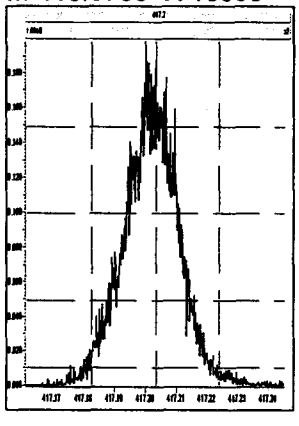

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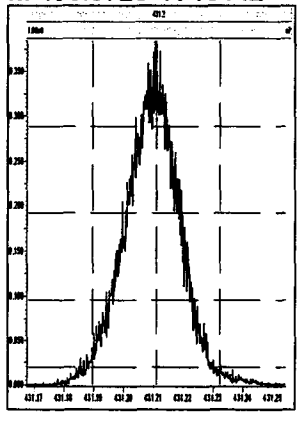

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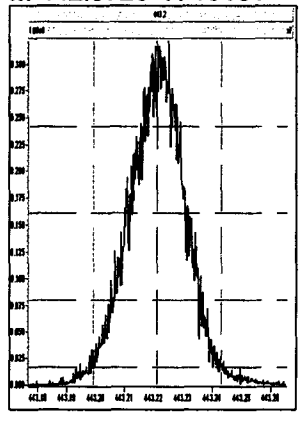

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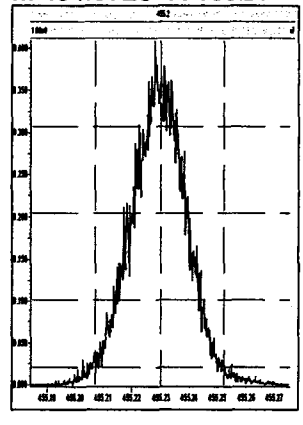

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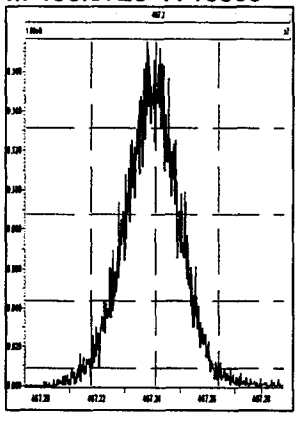
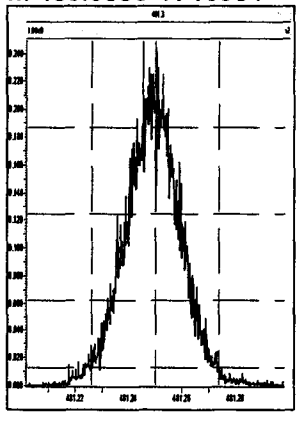


M 480.9696 R 10964



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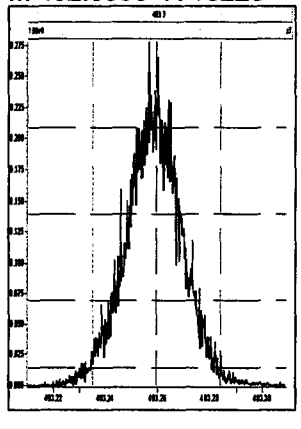

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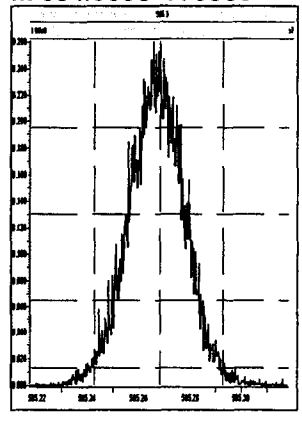

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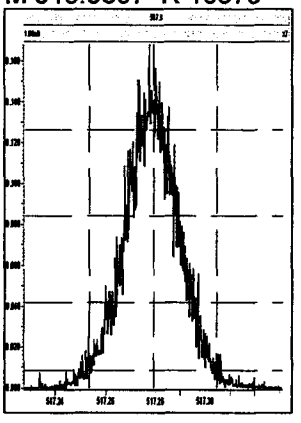

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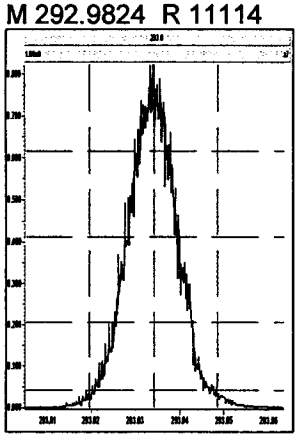
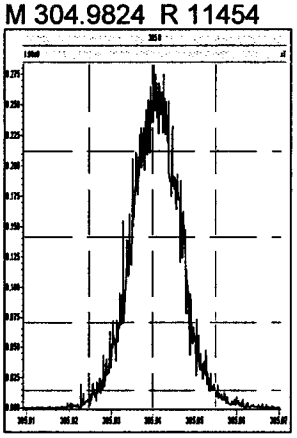
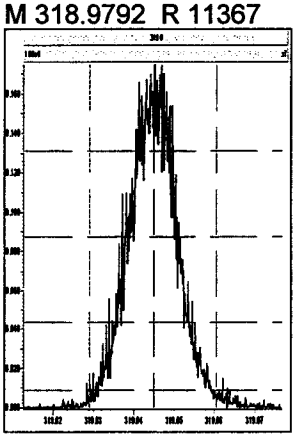
M 292.9824 R 11114



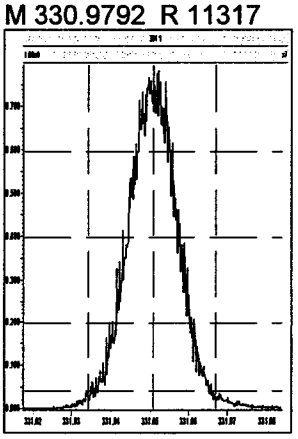
M 304.9824 R 11454



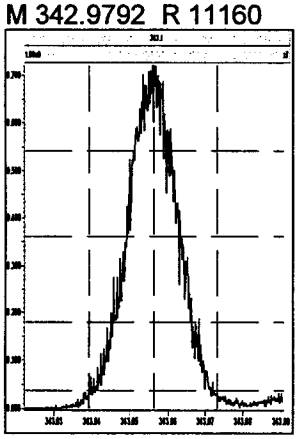
M 318.9792 R 11367



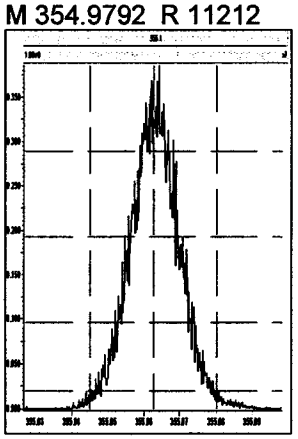
M 330.9792 R 11317



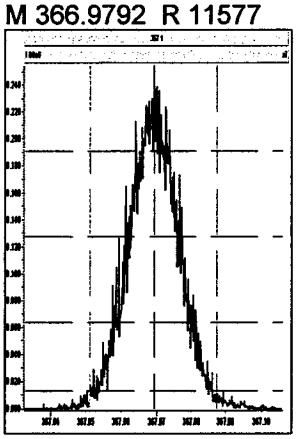
M 342.9792 R 11160



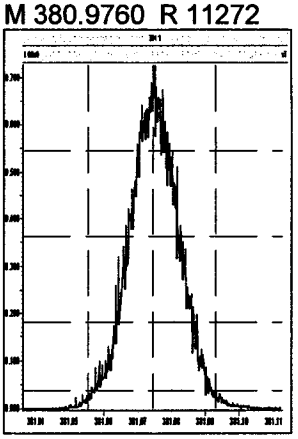
M 354.9792 R 11212



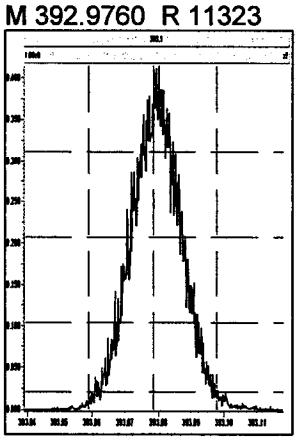
M 366.9792 R 11577



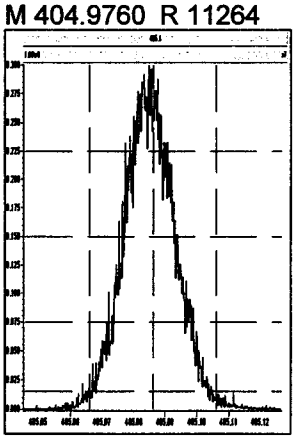
M 380.9760 R 11272



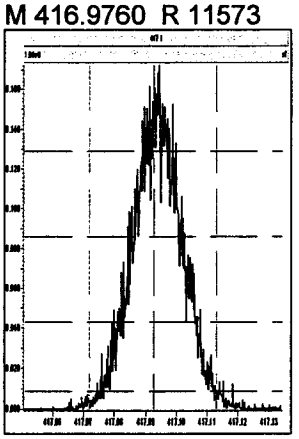
M 392.9760 R 11323



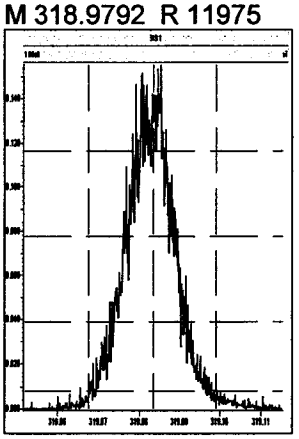
M 404.9760 R 11264



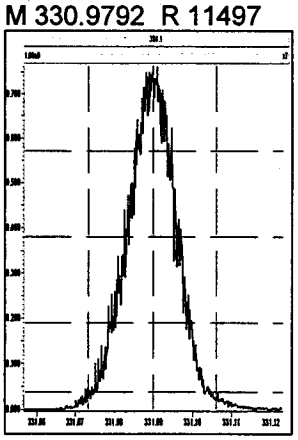
M 416.9760 R 11573



M 318.9792 R 11975



M 330.9792 R 11497



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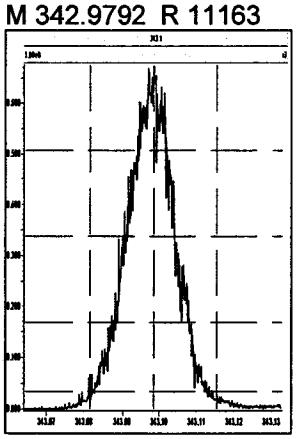

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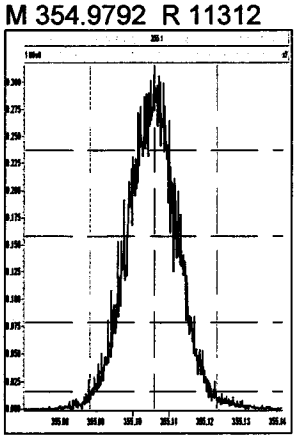

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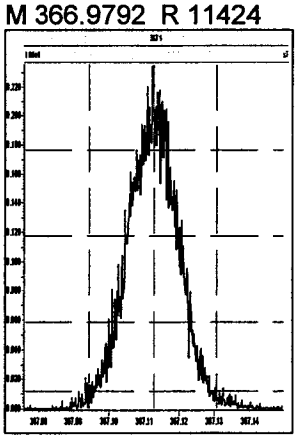
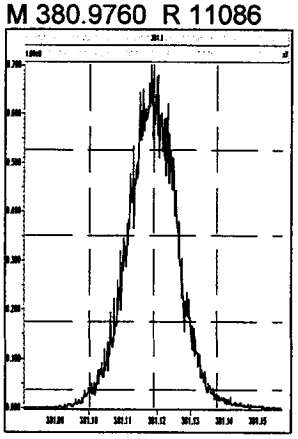


M 380.9760 R 11086



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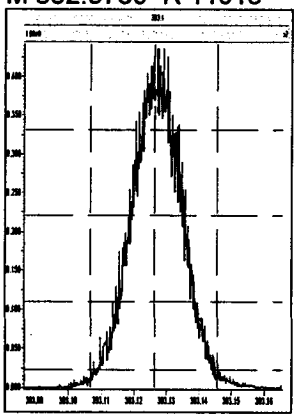

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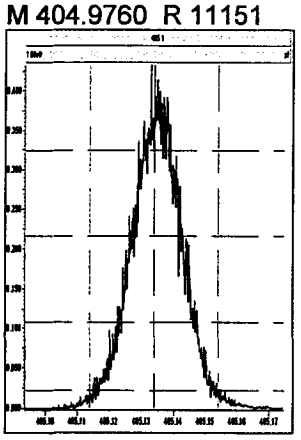

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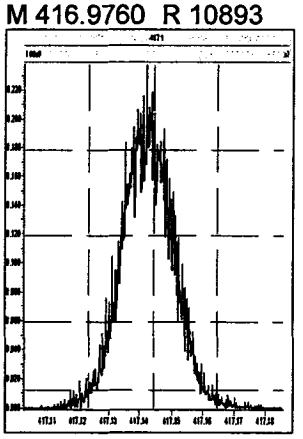

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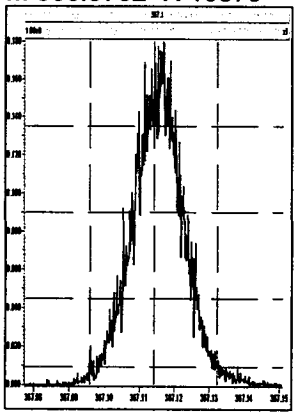

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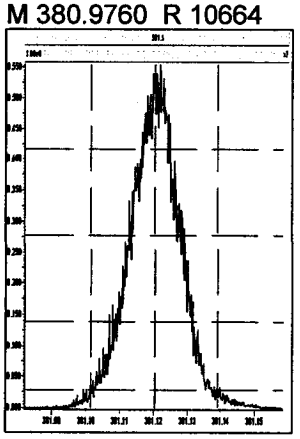
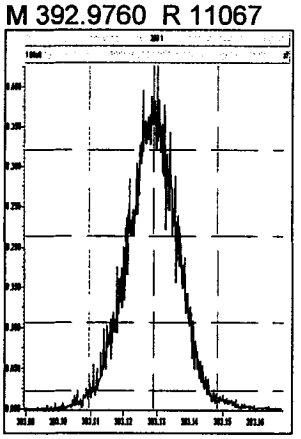


M 392.9760 R 11067



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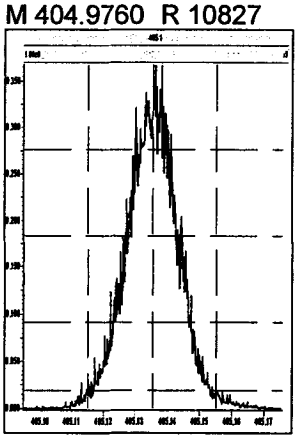
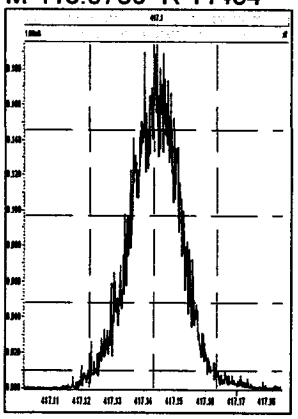


M 416.9760 R 11454



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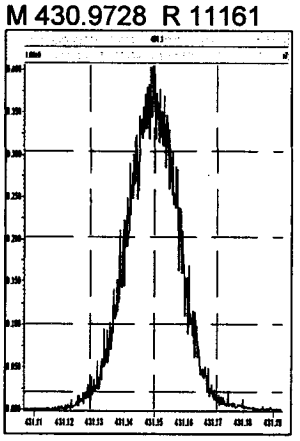
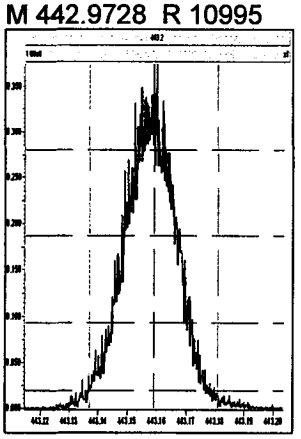


M 442.9728 R 10995



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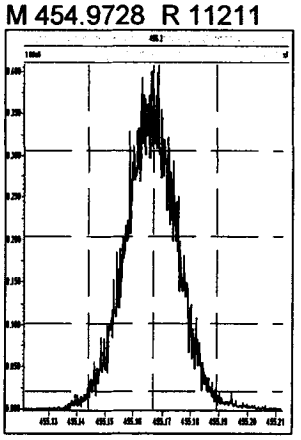
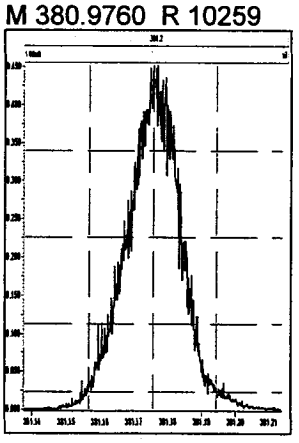
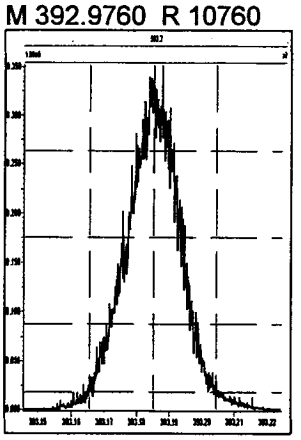


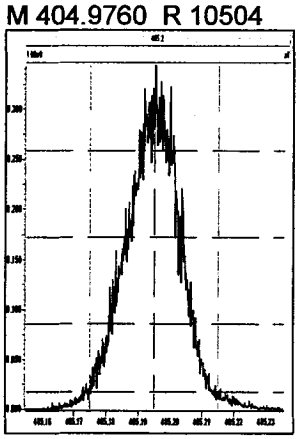
M 380.9760 R 10259



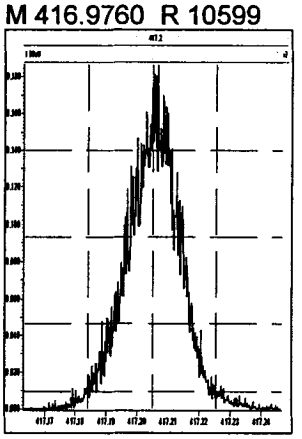
M 392.9760 R 10760



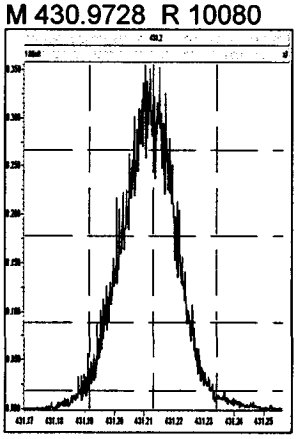
M 404.9760 R 10504



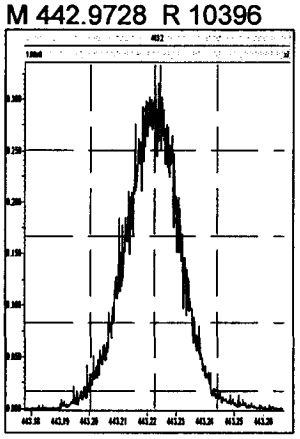
M 416.9760 R 10599



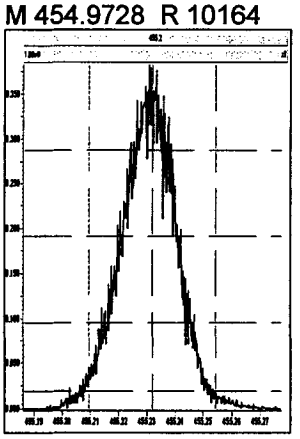
M 430.9728 R 10080



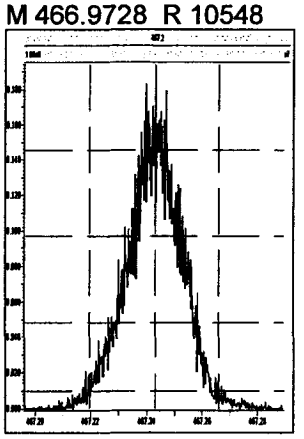
M 442.9728 R 10396



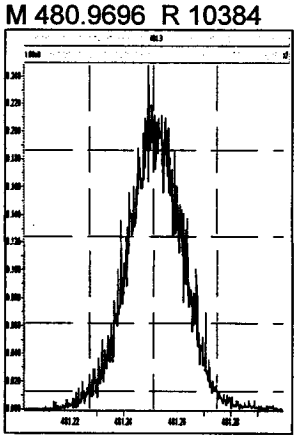
M 454.9728 R 10164



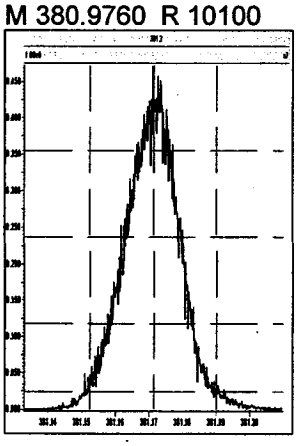
M 466.9728 R 10548



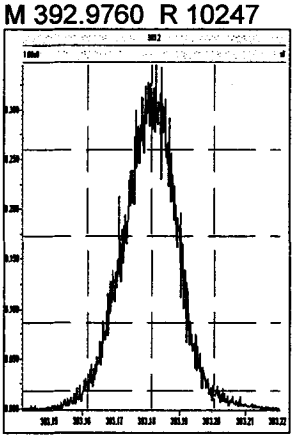
M 480.9696 R 10384



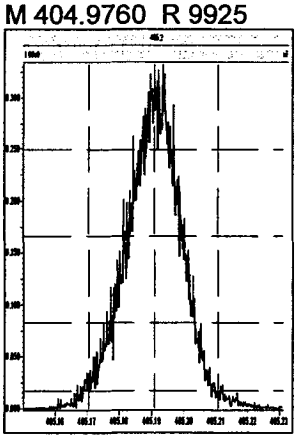
M 380.9760 R 10100



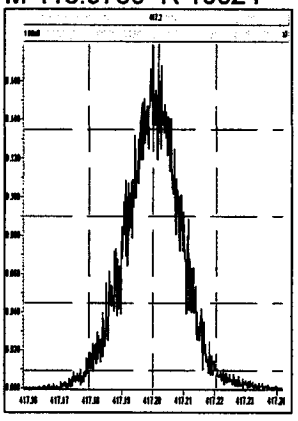
M 392.9760 R 10247



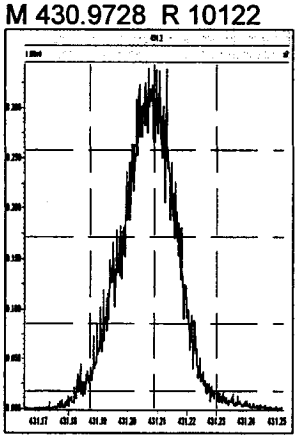
M 404.9760 R 9925



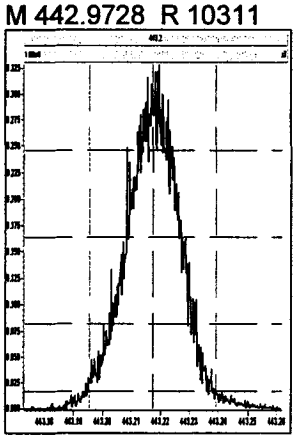
M 416.9760 R 10024



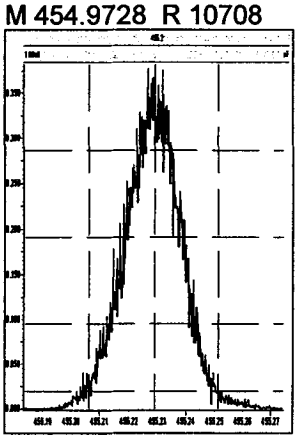
M 430.9728 R 10122



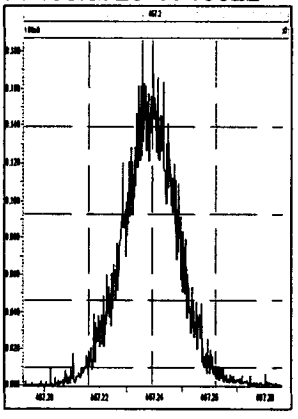
M 442.9728 R 10311



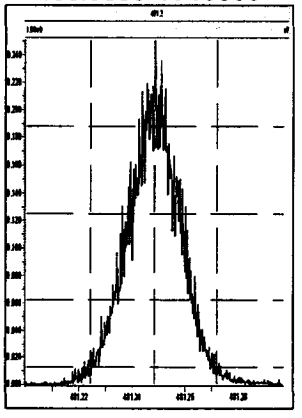
M 454.9728 R 10708



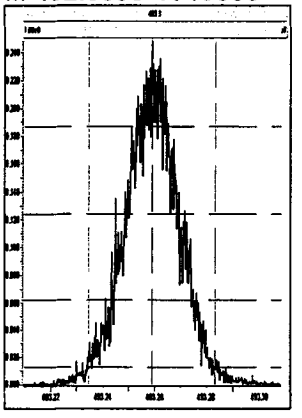
M 466.9728 R 10822



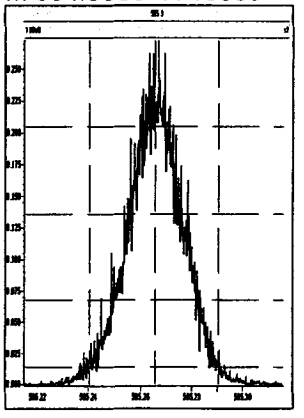
M 480.9696 R 10395



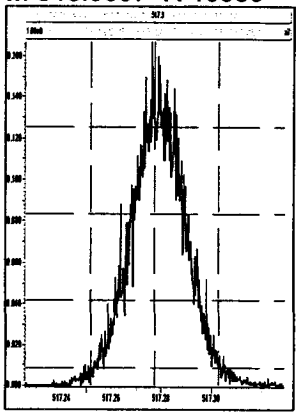
M 492.9696 R 10396

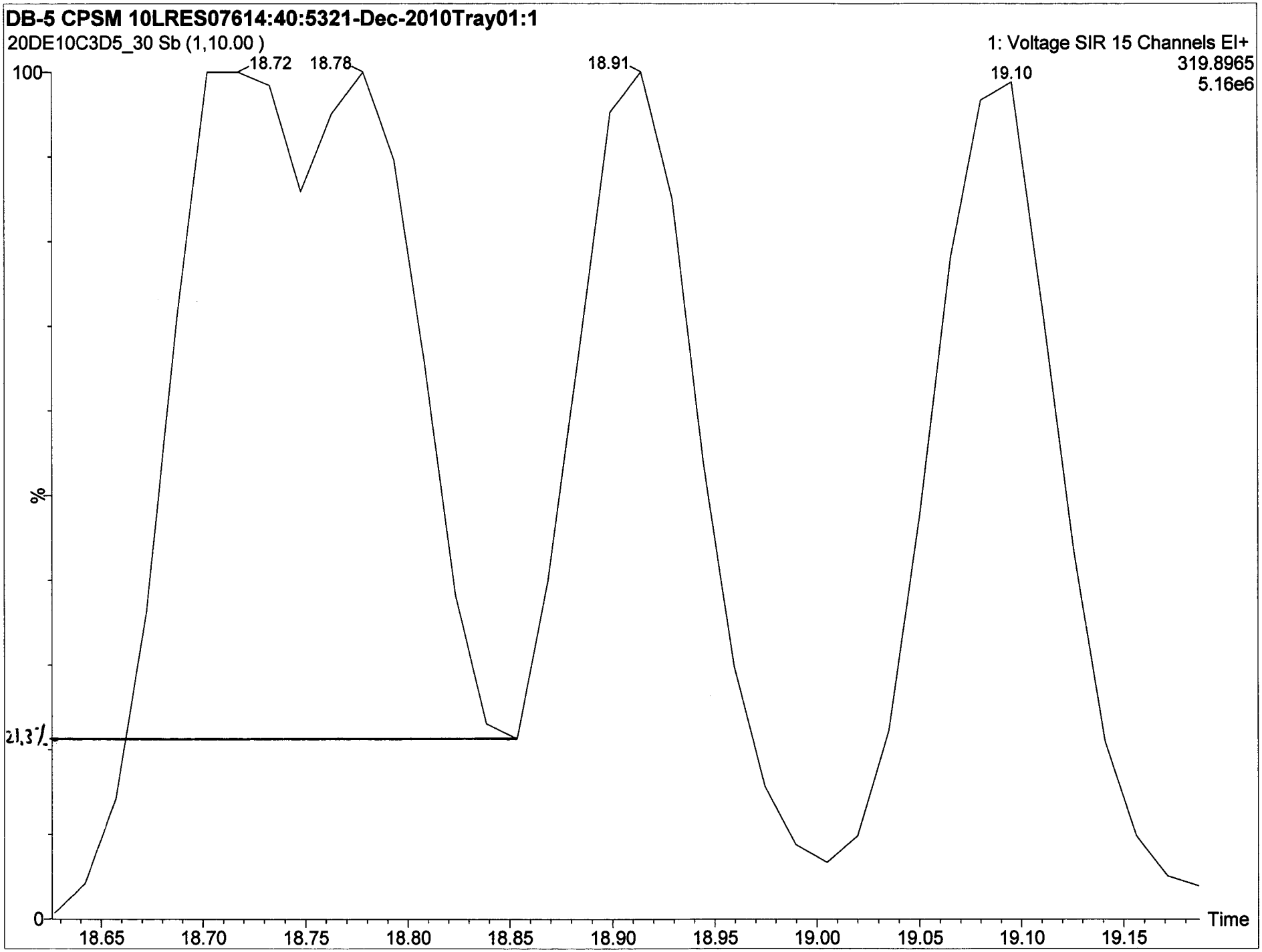


M 504.9696 R 10683



M 516.9697 R 10683




DB-5 CPSM 10LRES07614:40:5321-Dec-2010Tray01:1
20DE10C3D5_30 Sb (1,10.00)
1: Voltage SIR 15 Channels EI+
319.8965
5.16e6
100
%
0
21.3%
18.72
18.78
18.91
19.10
Time
18.65
18.70
18.75
18.80
18.85
18.90
18.95
19.00
19.05
19.10
19.15

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:32:16 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	0.64317	0.02998	4.66090

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:32:16 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**

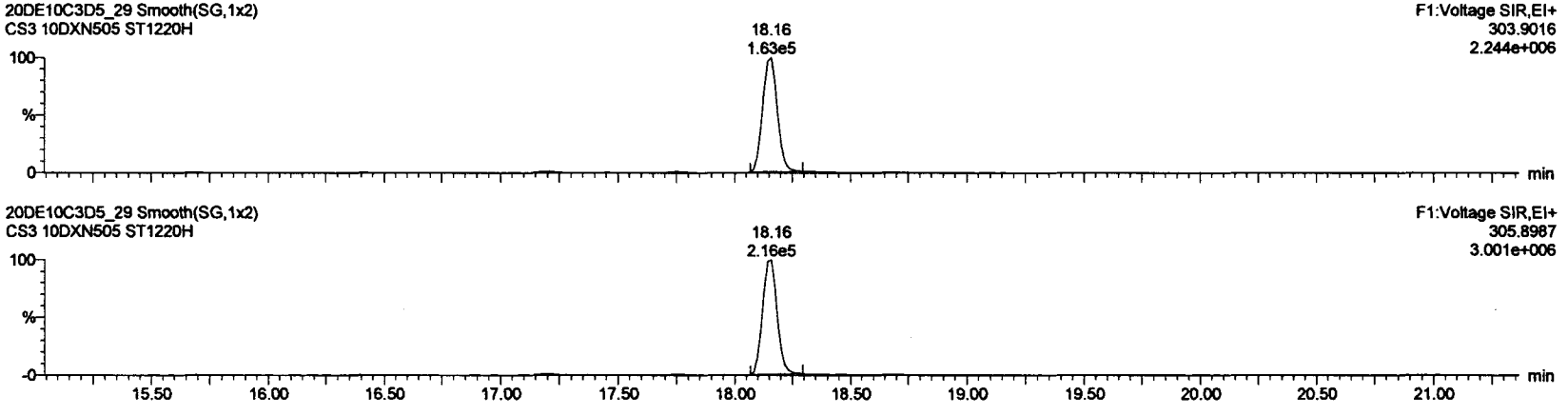
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

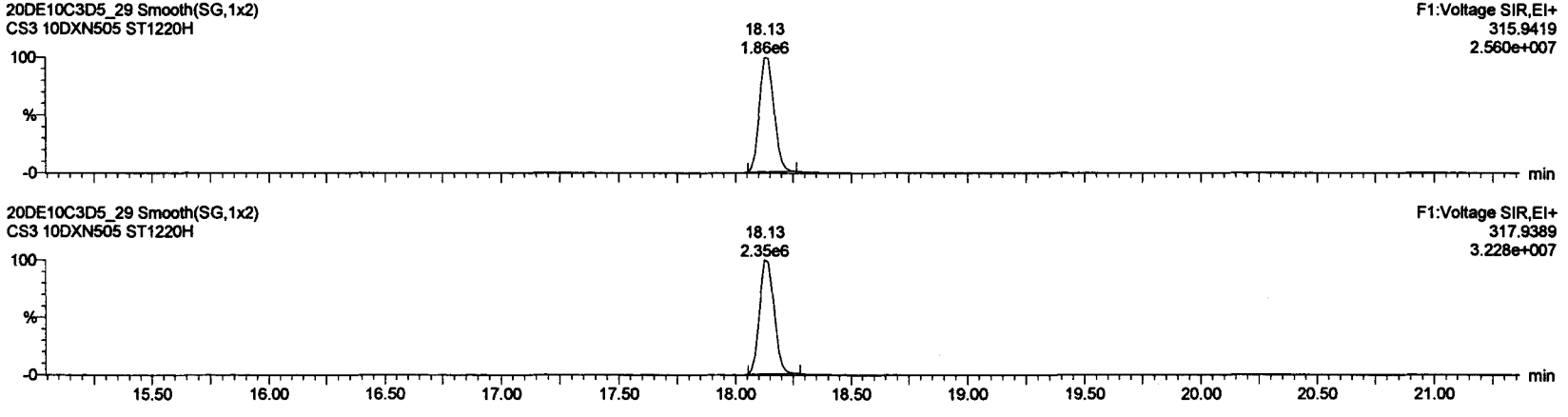
Method: C:\MassLynx\JAN2010.PRO\MethDB\TO93D5.mdb 19 Oct 2010 06:41:33
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D5TO9.cdb 20 Oct 2010 16:23:11

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

TCDFs



13C-TCDF



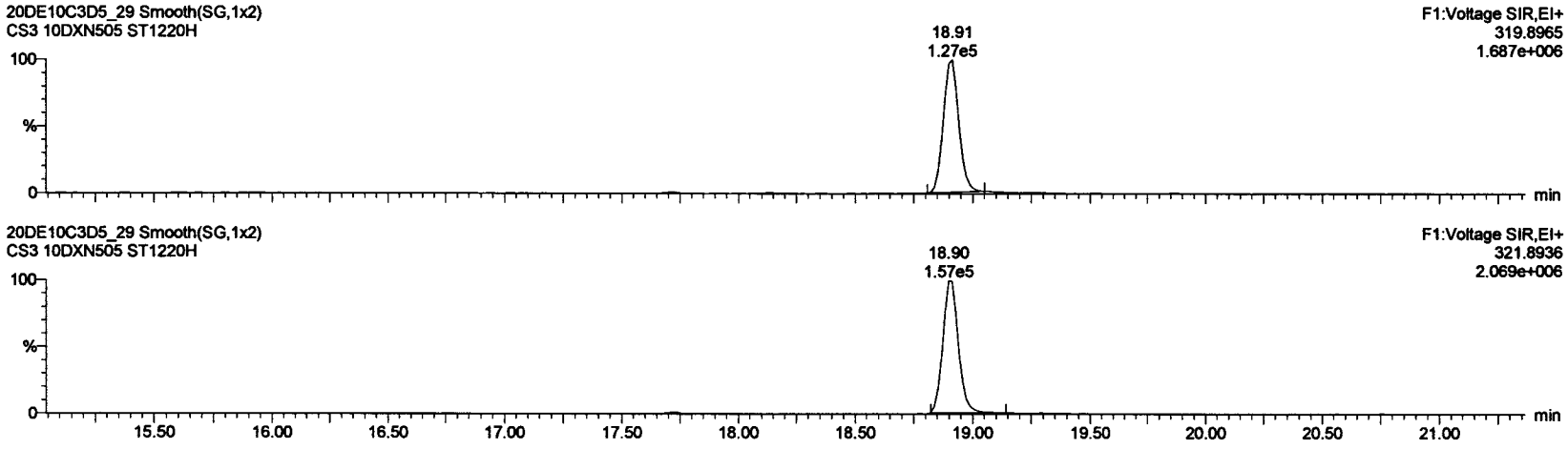
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

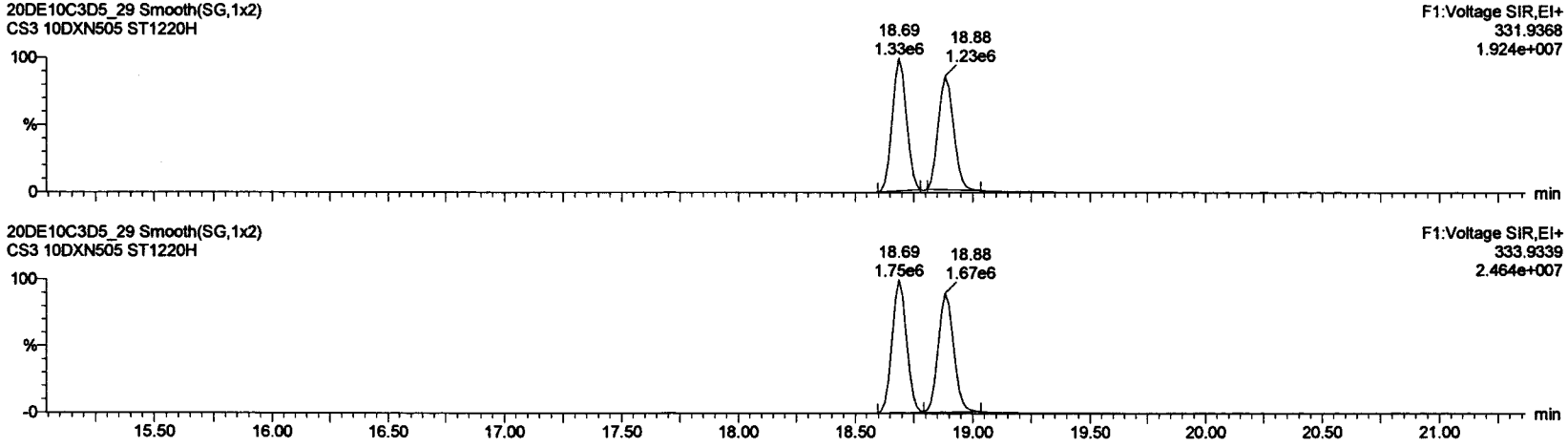
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

TCDDs



13C-TCDDs



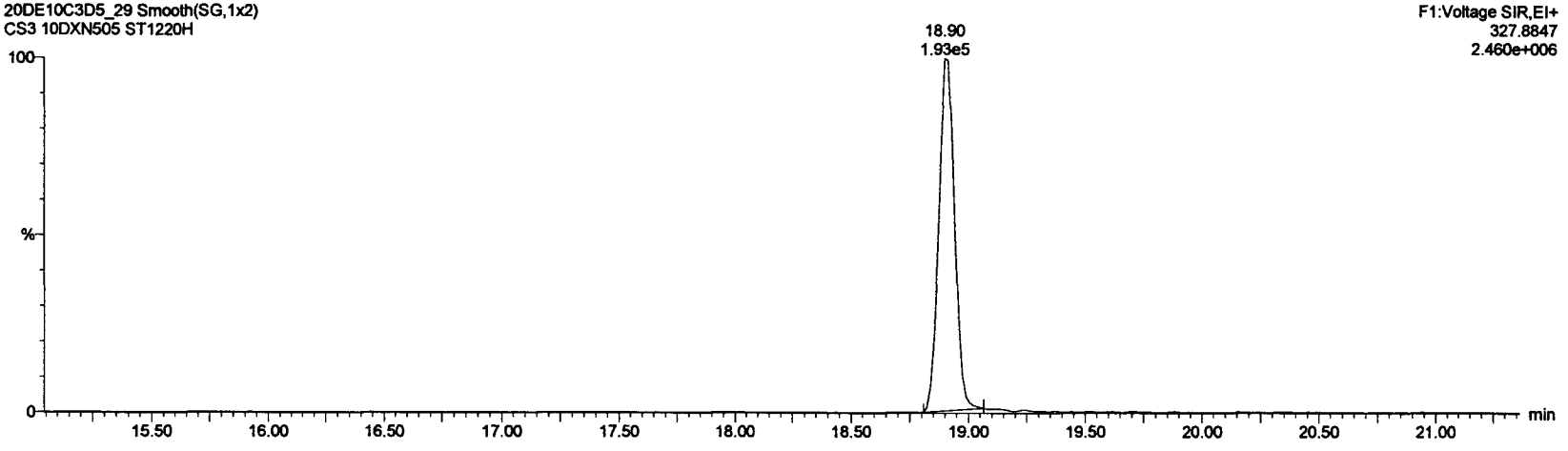
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

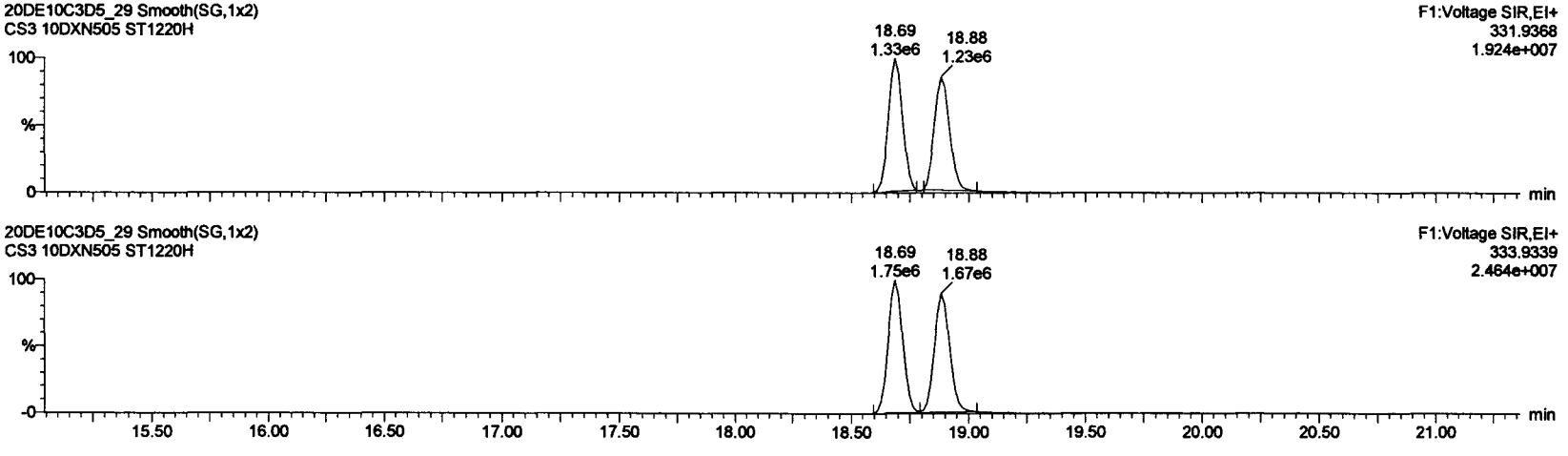
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

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



13C-TCDDs



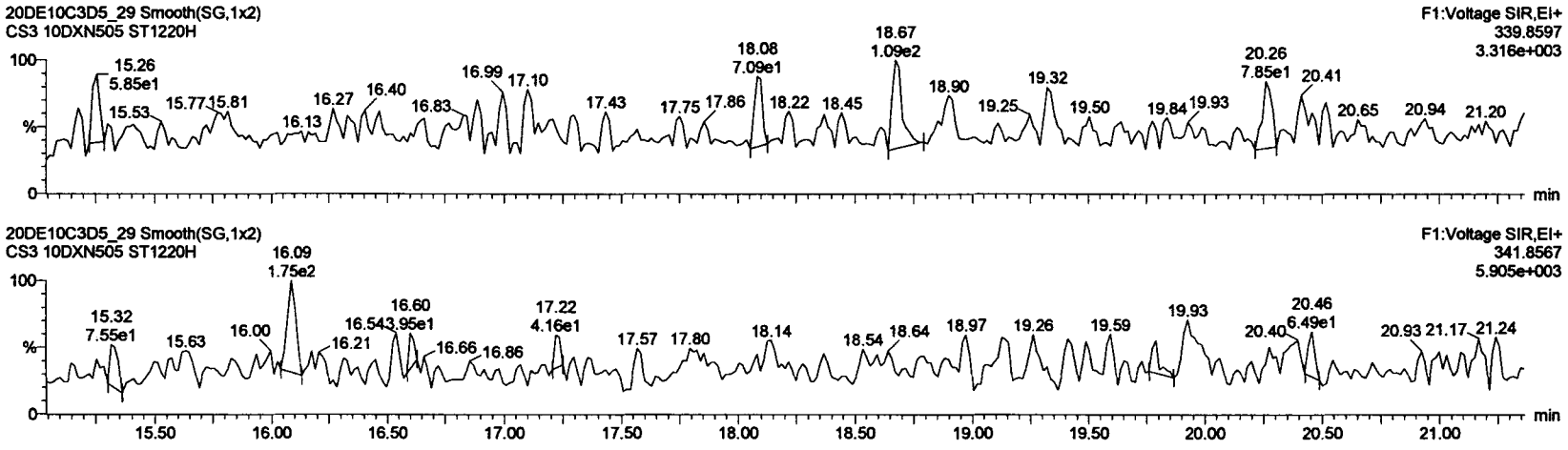
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

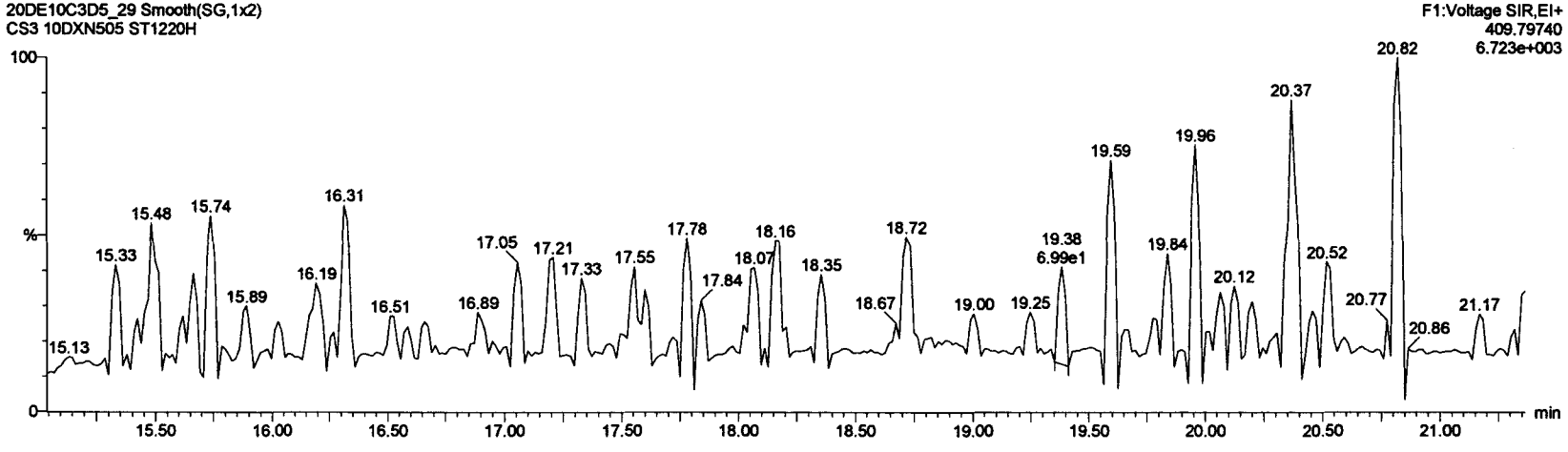
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



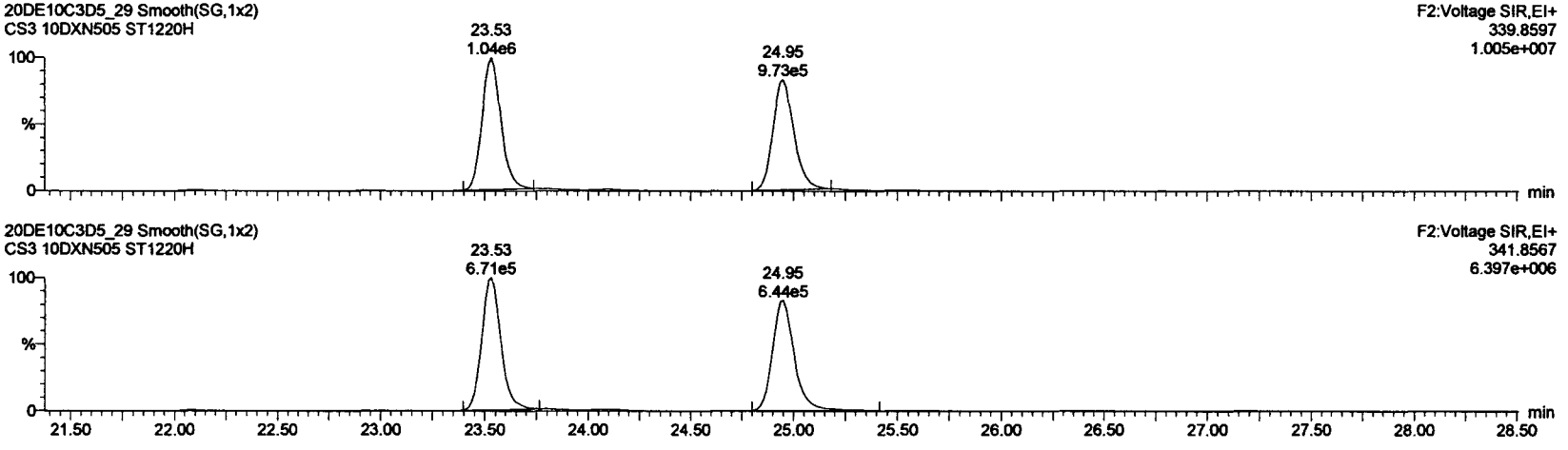
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

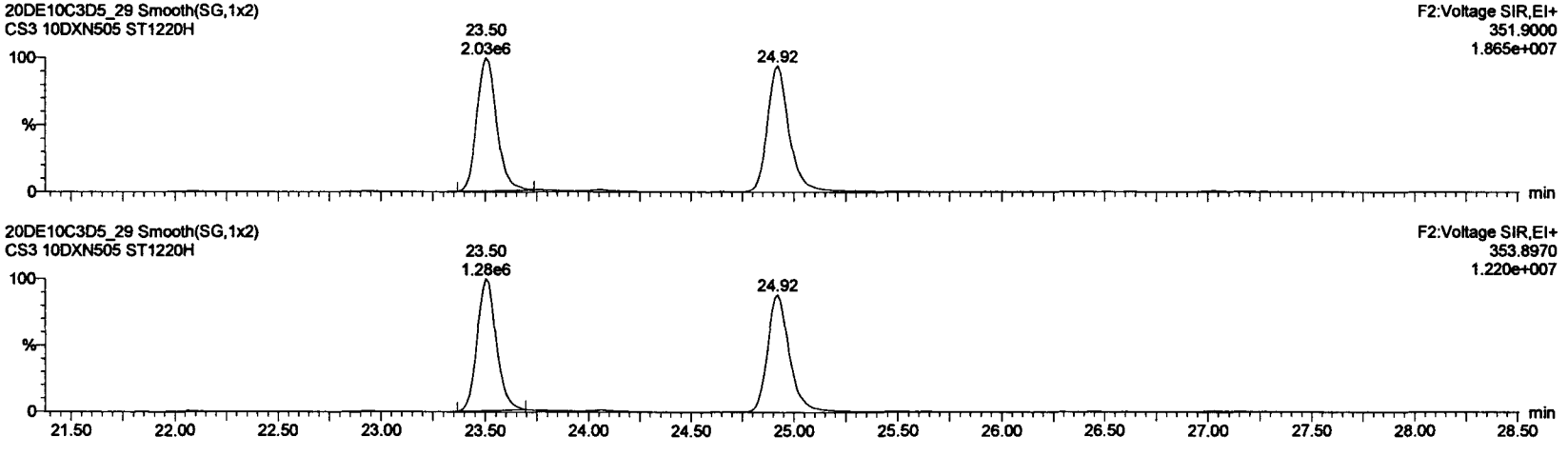
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

PeCDFs



13C-PeCDFs



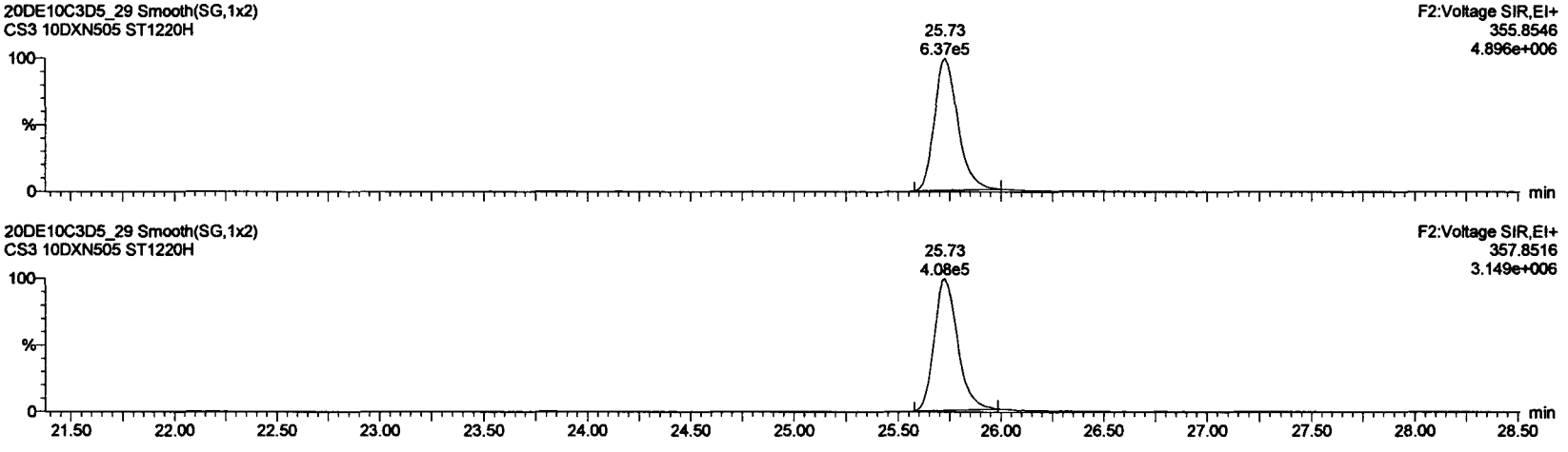
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

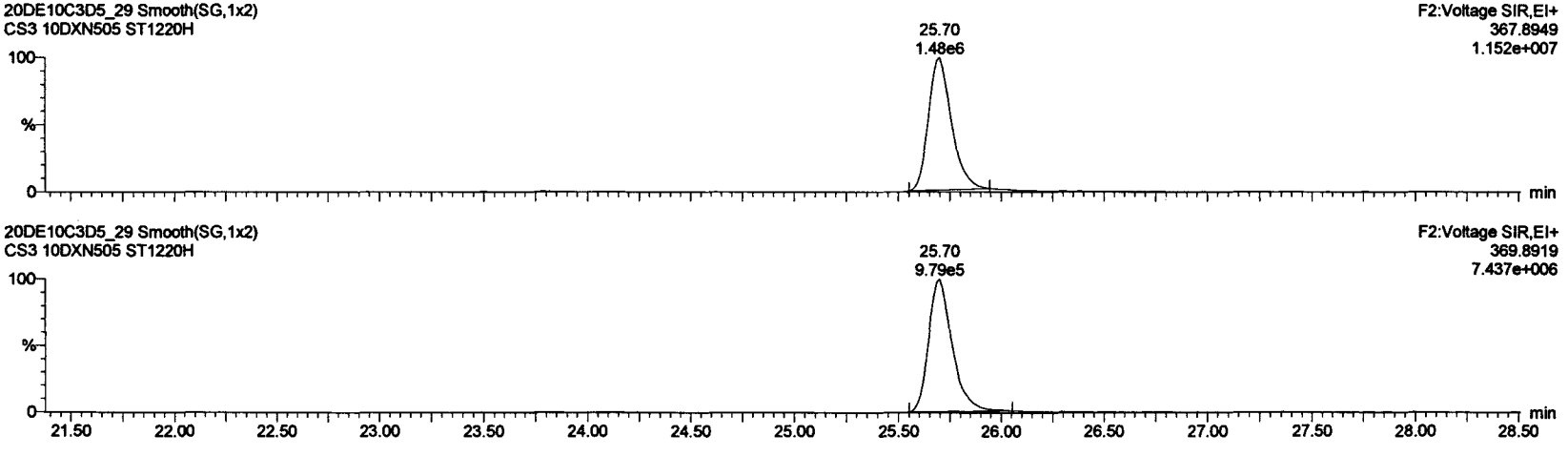
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

PeCDDs



13C-PeCDD



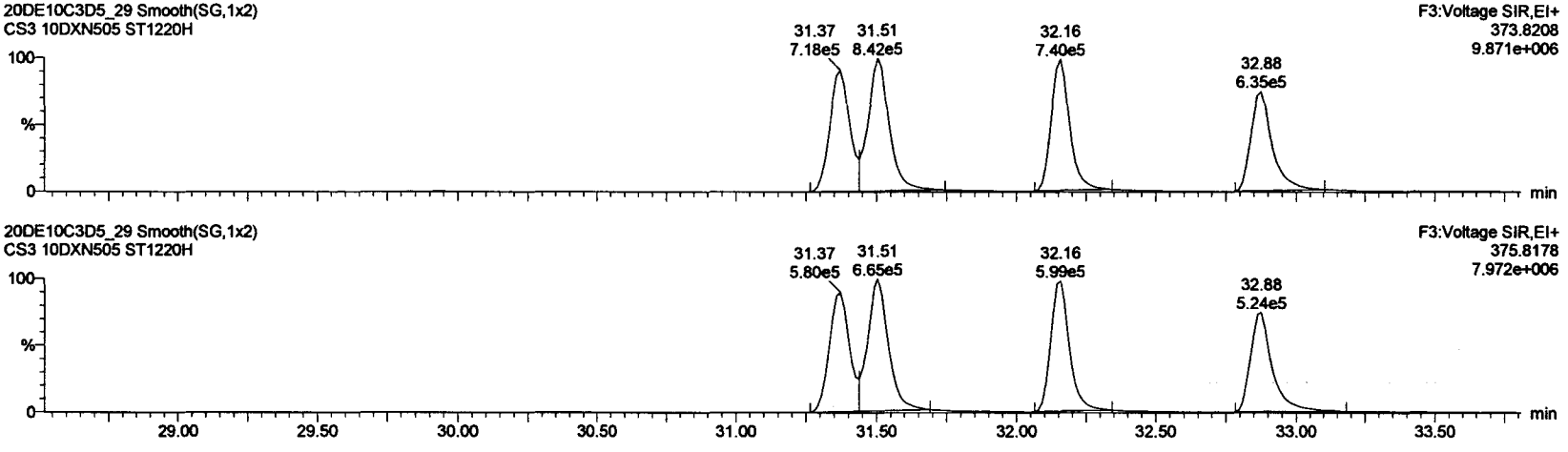
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

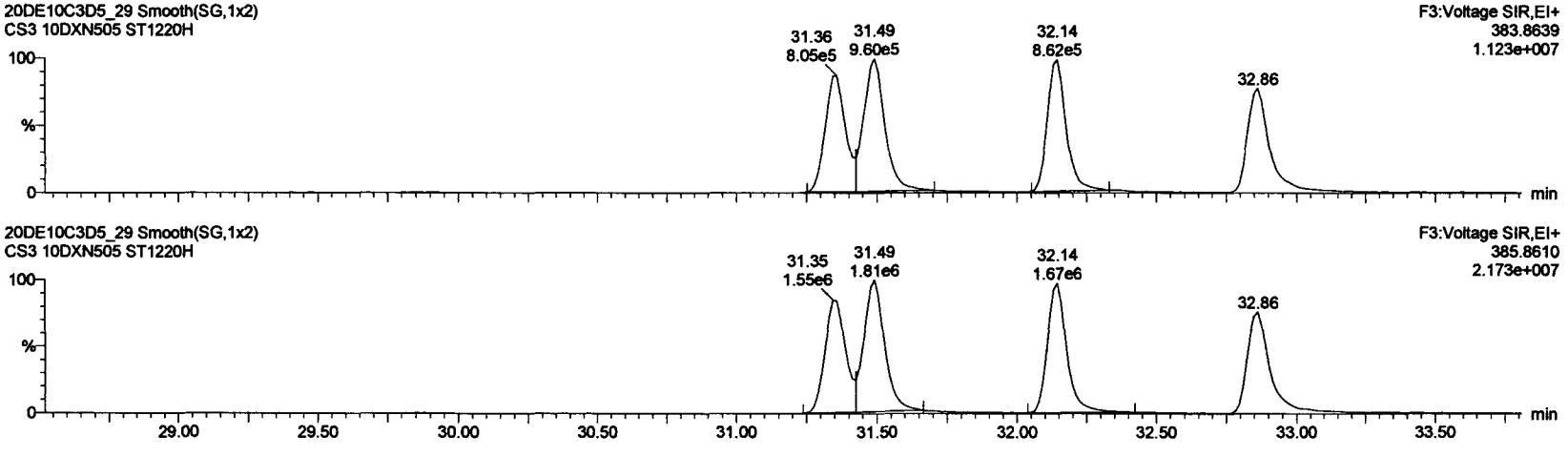
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HxCDFs



13C-HxCDFs



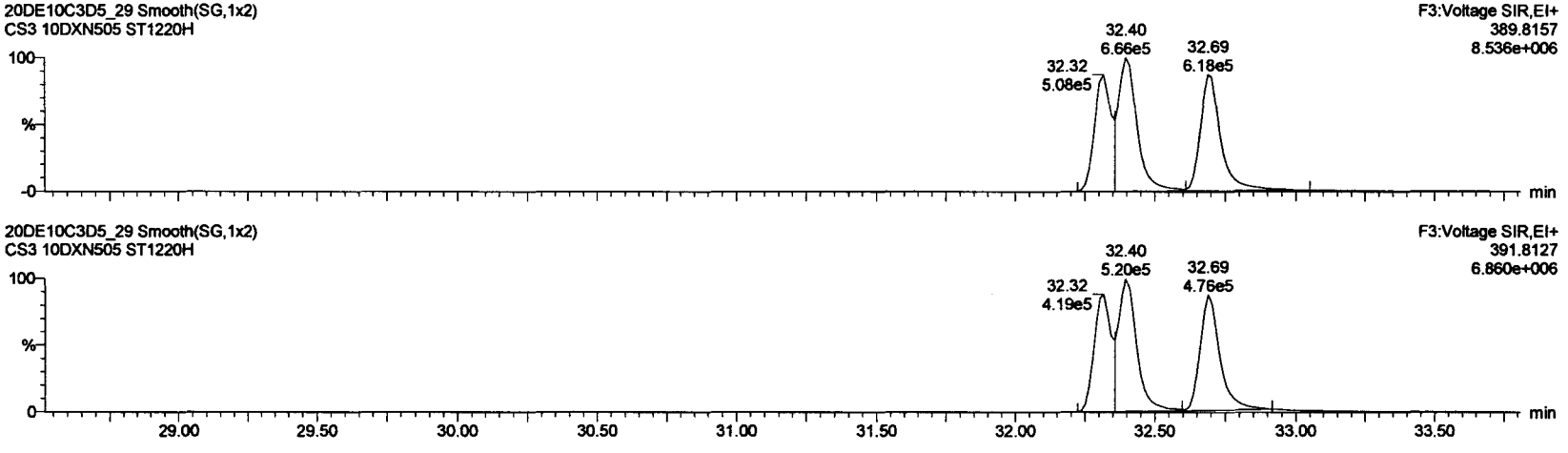
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

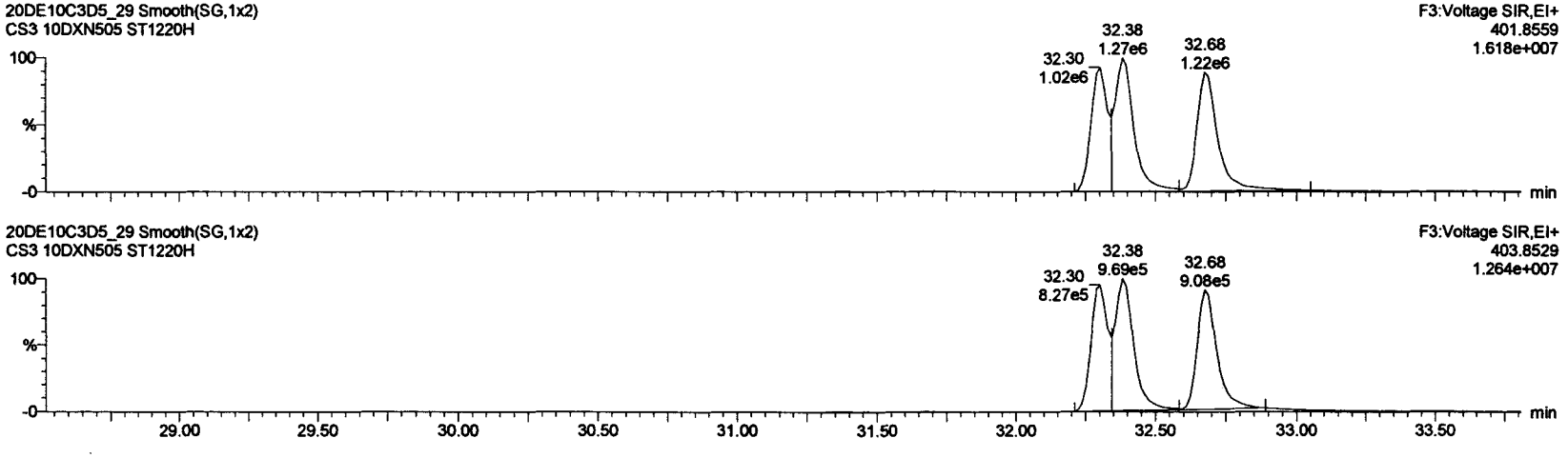
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HxCDDs



13C-HxCDDs



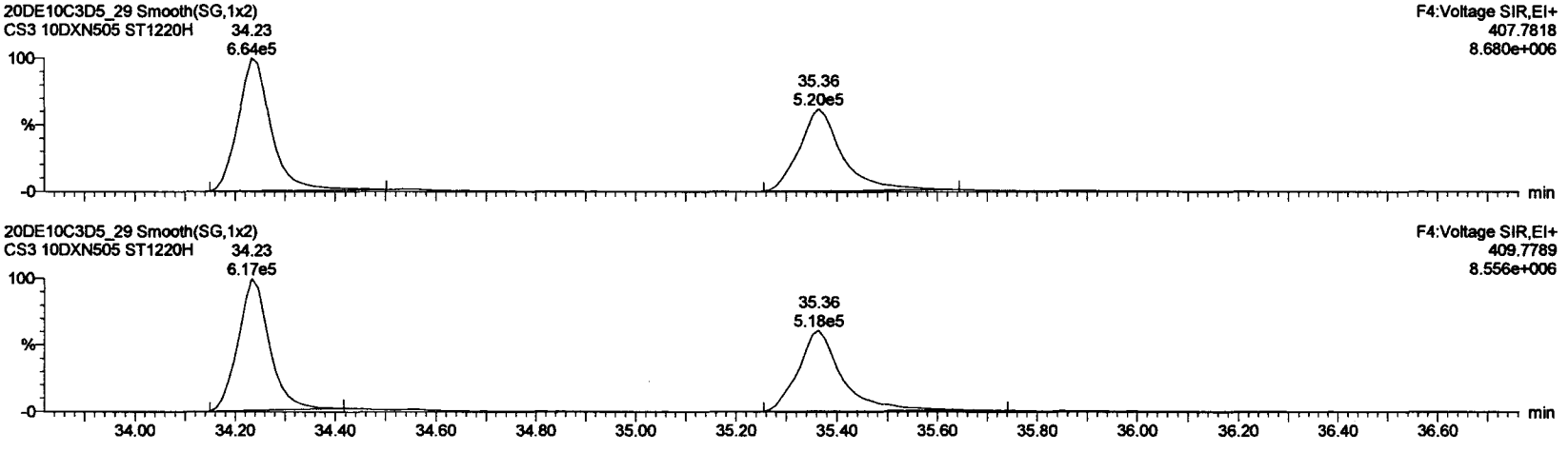
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

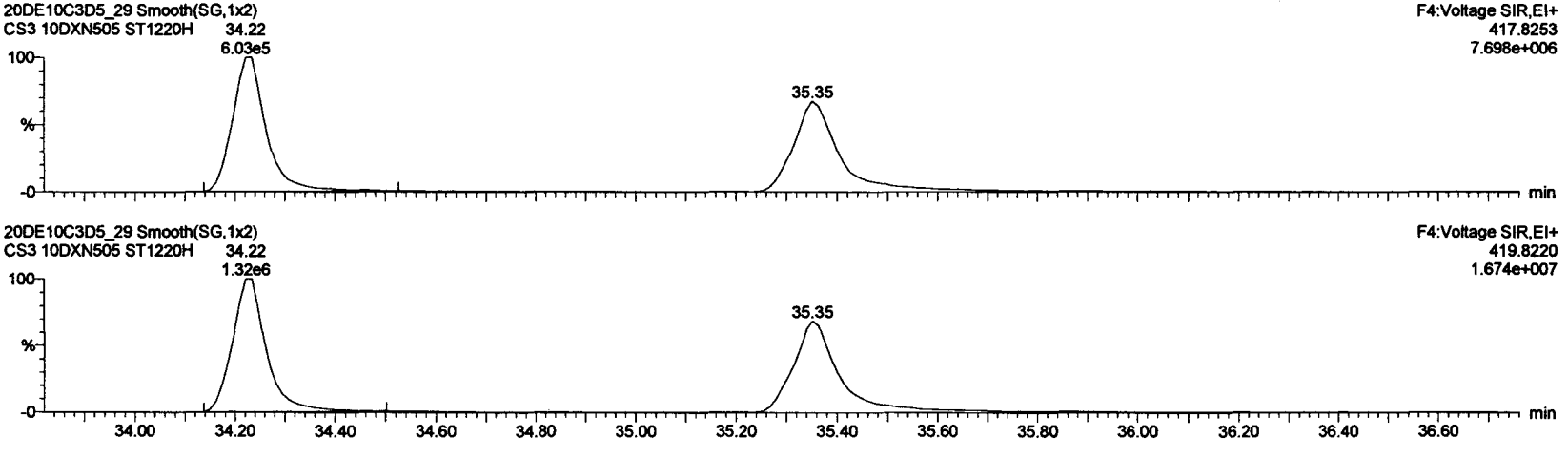
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HpCDFs



13C-HpCDFs



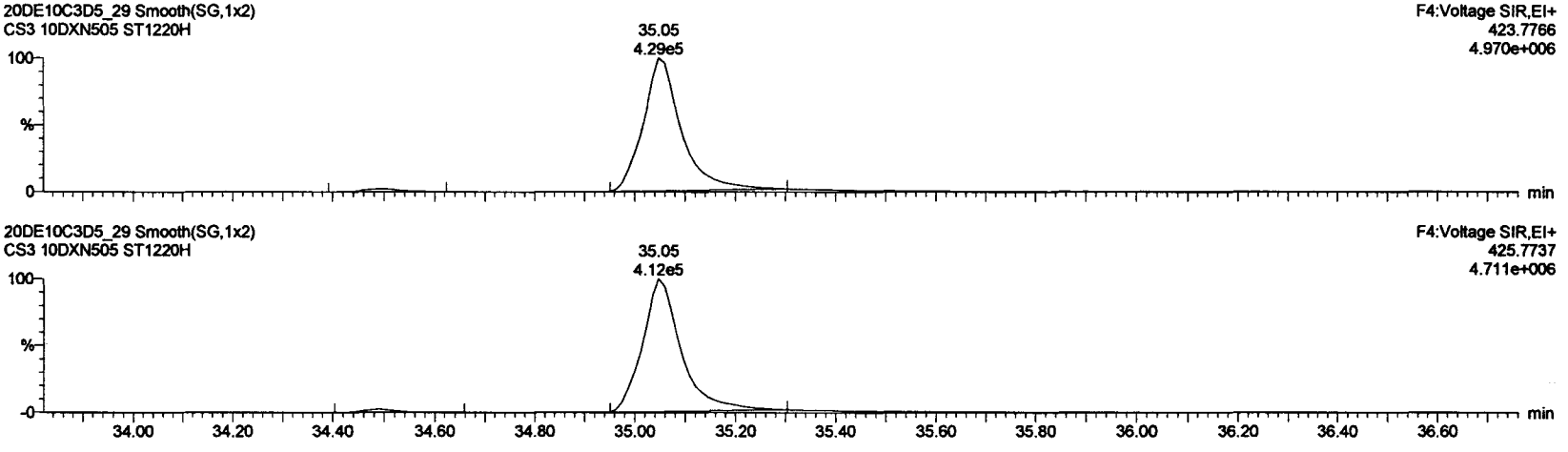
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

HpCDDs



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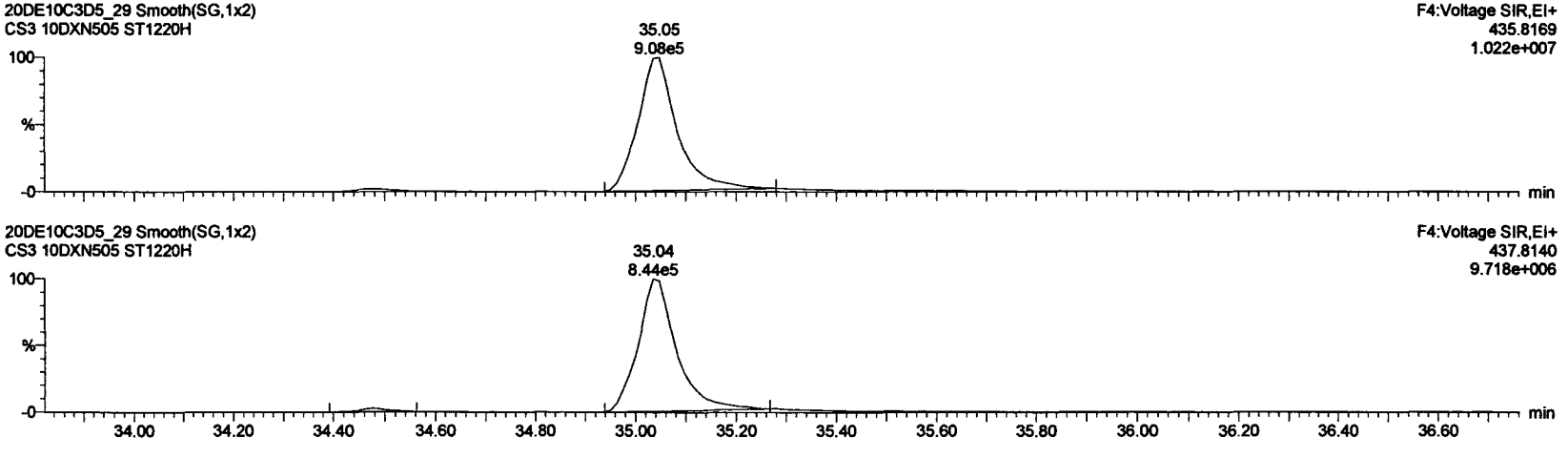


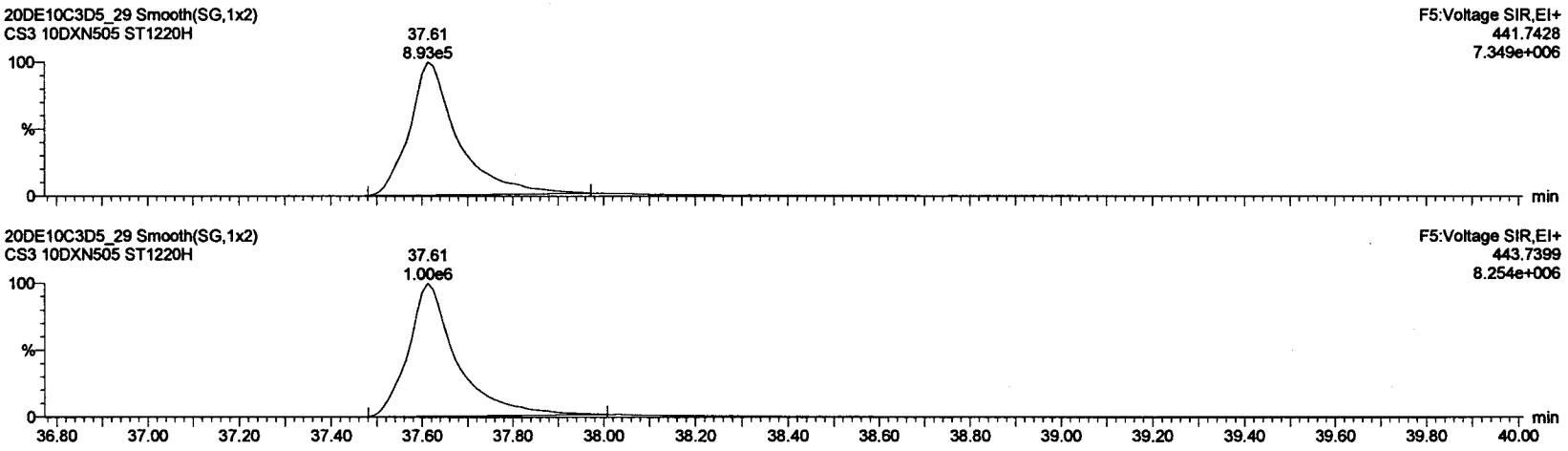
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

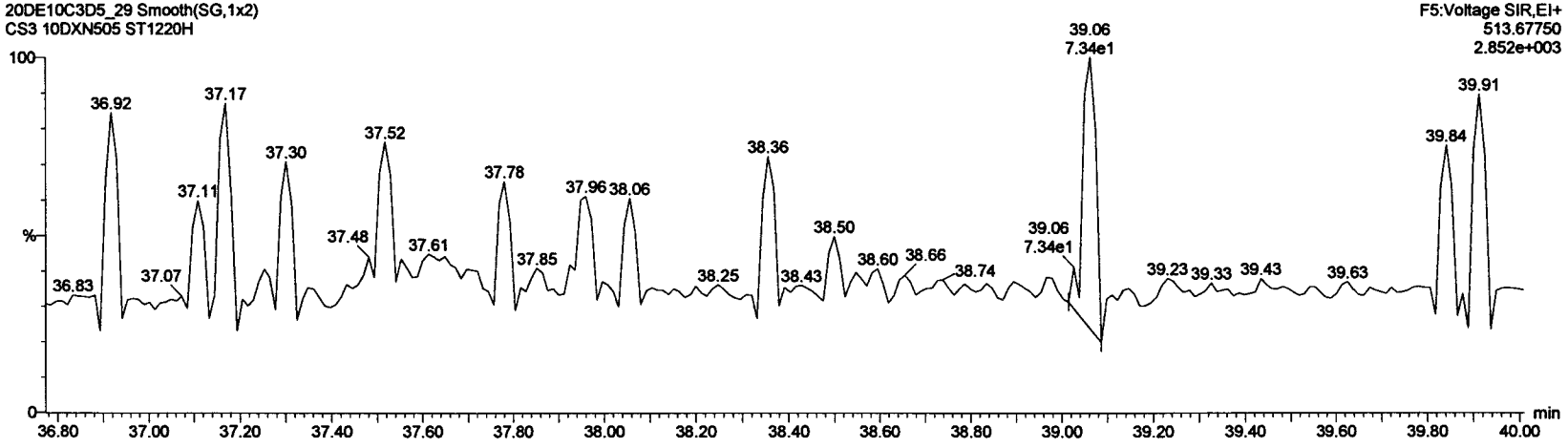
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDFs



OCDF PCDPE



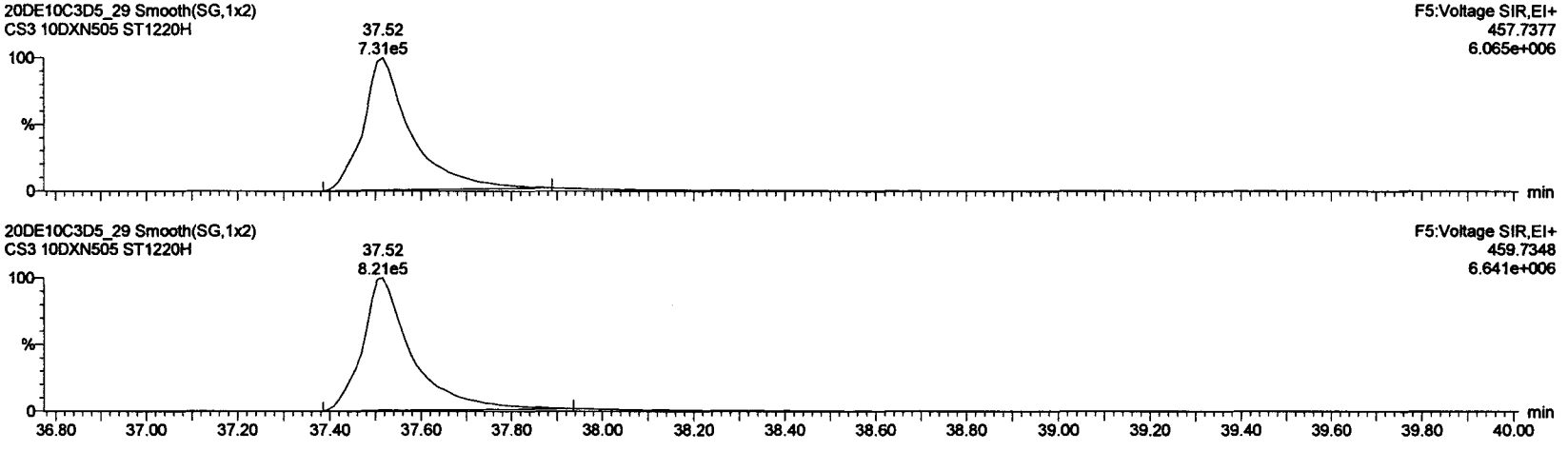
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

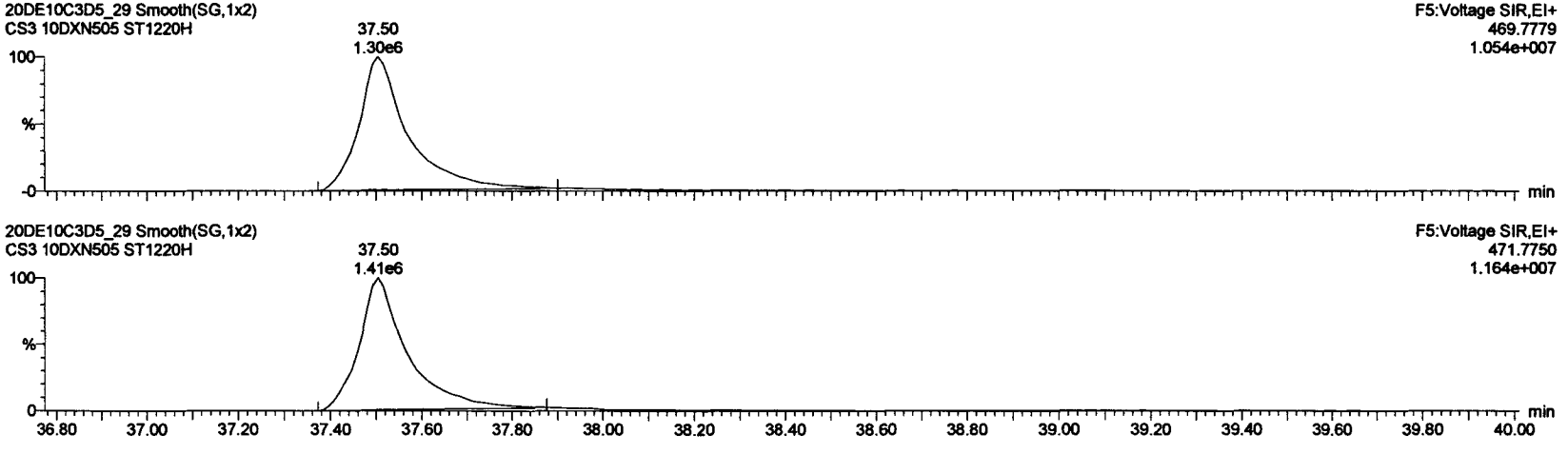
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDD



13C-OCDD



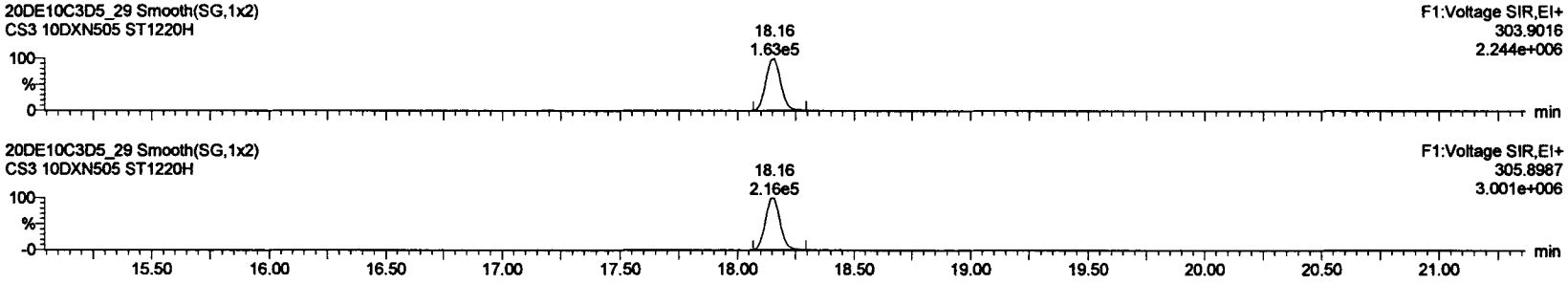
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

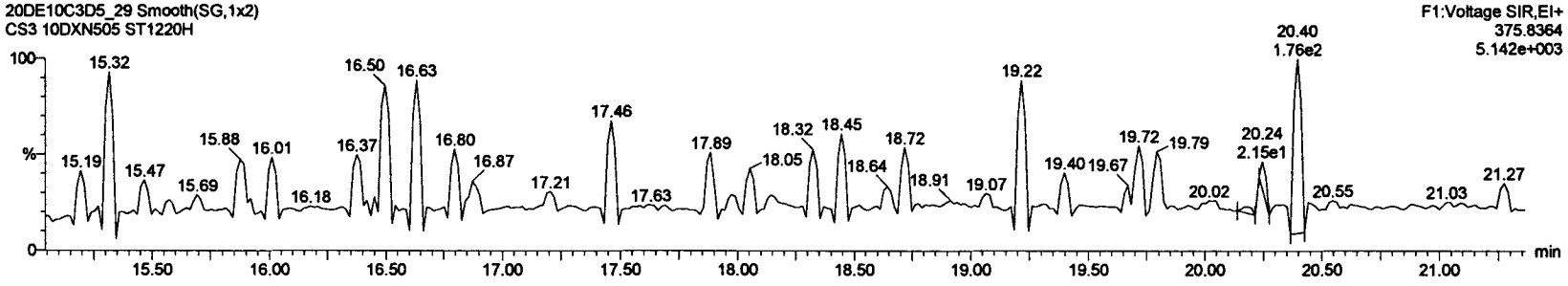
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

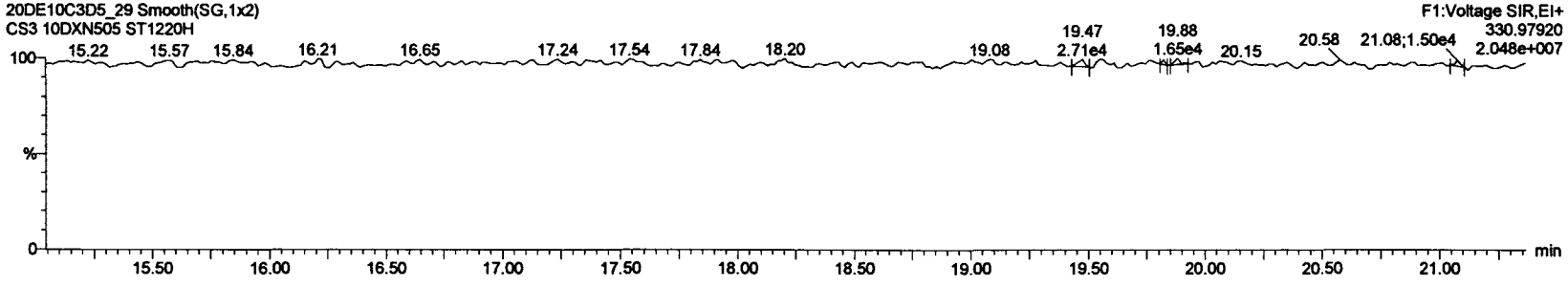
TCDFs



TCDF PCDPE



Function 1 PFK



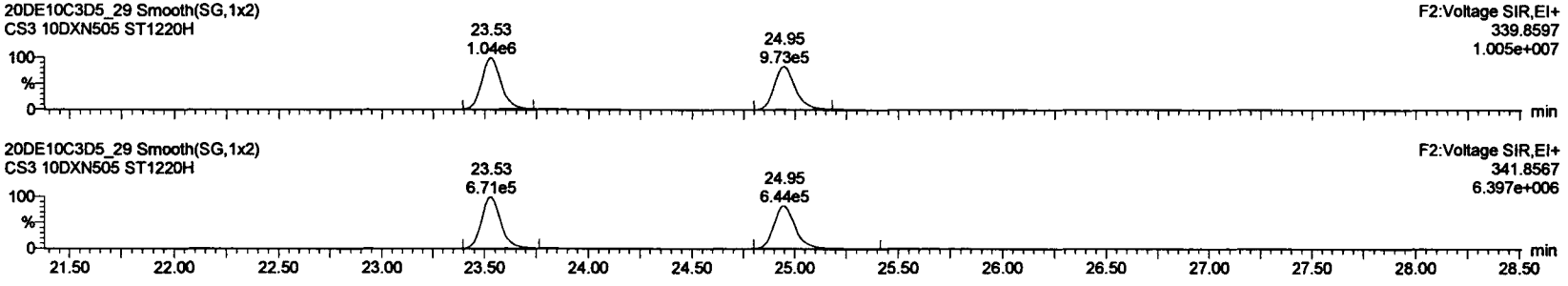
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

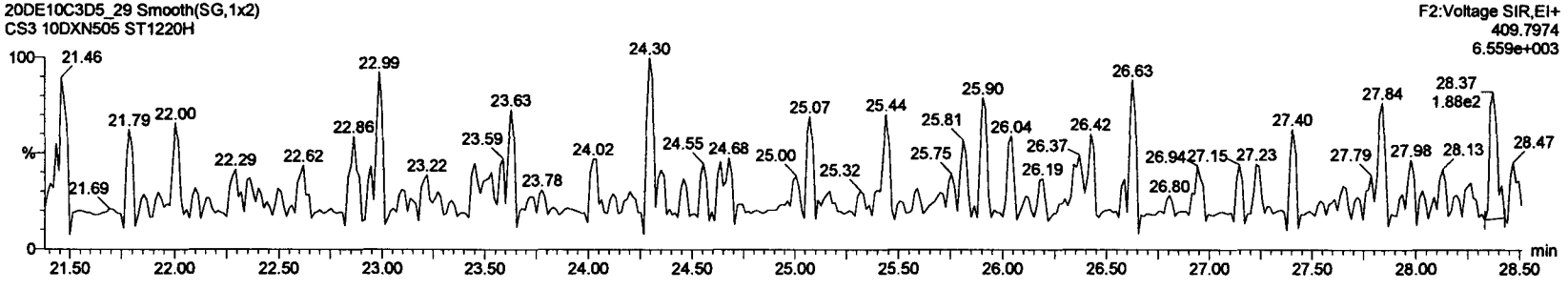
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

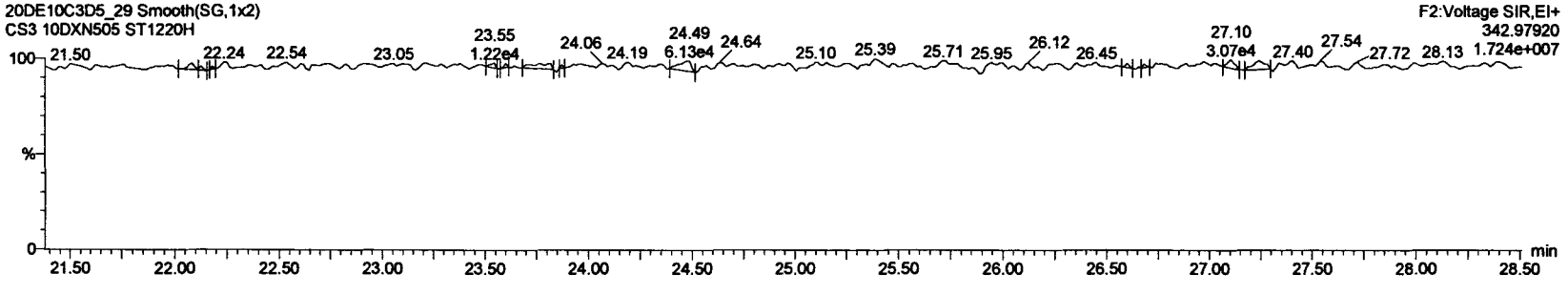
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



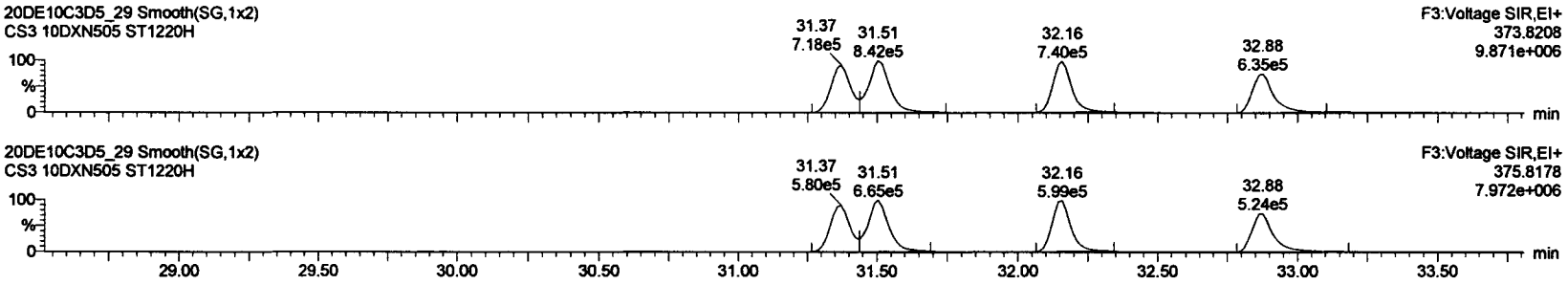
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

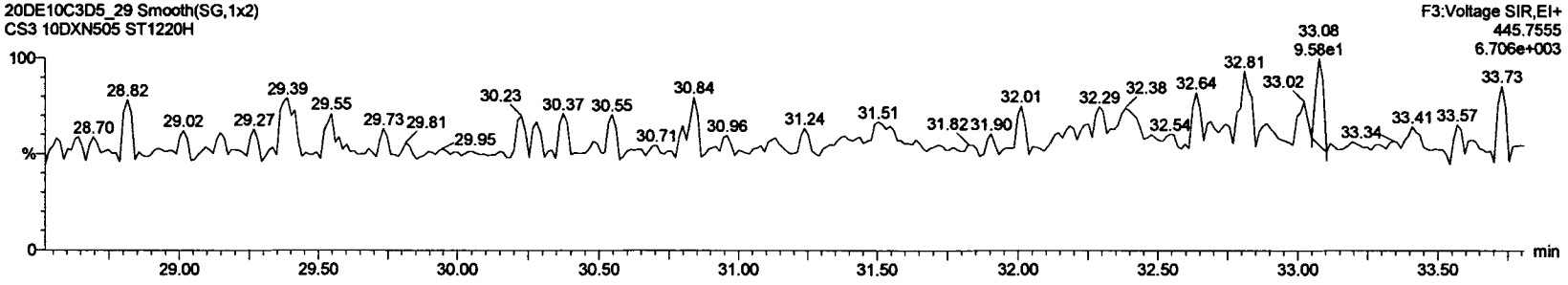
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

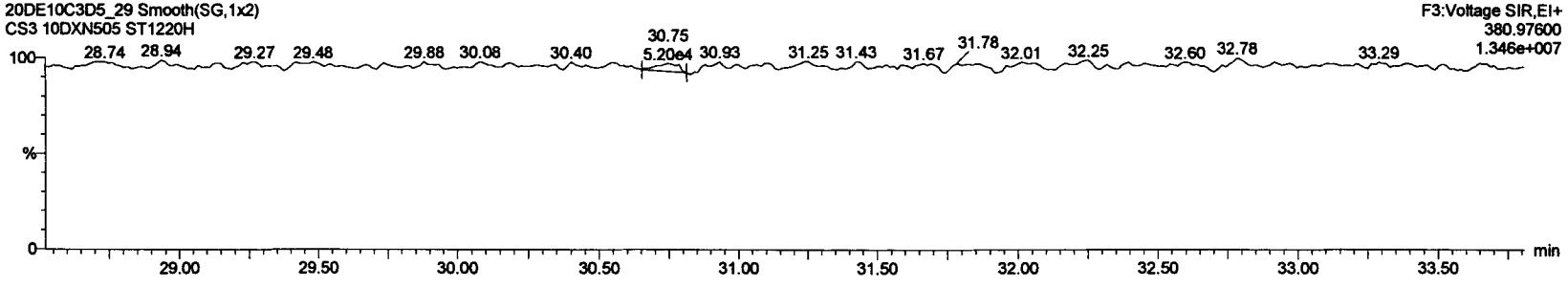
HxCDFs



HxCDF PCDPE



Function 3 PFK



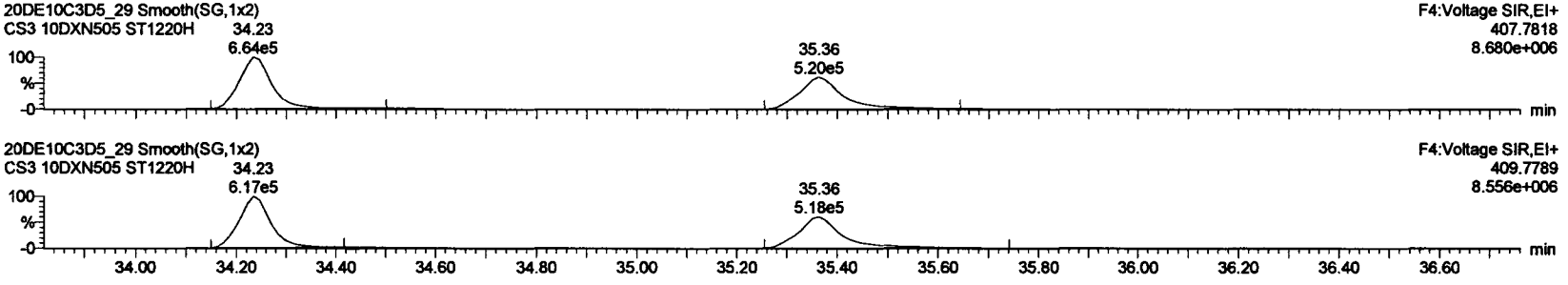
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

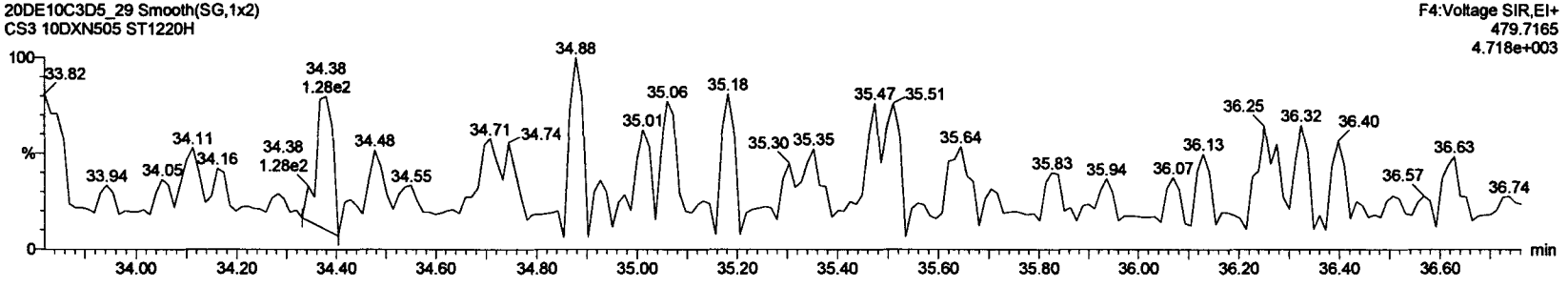
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

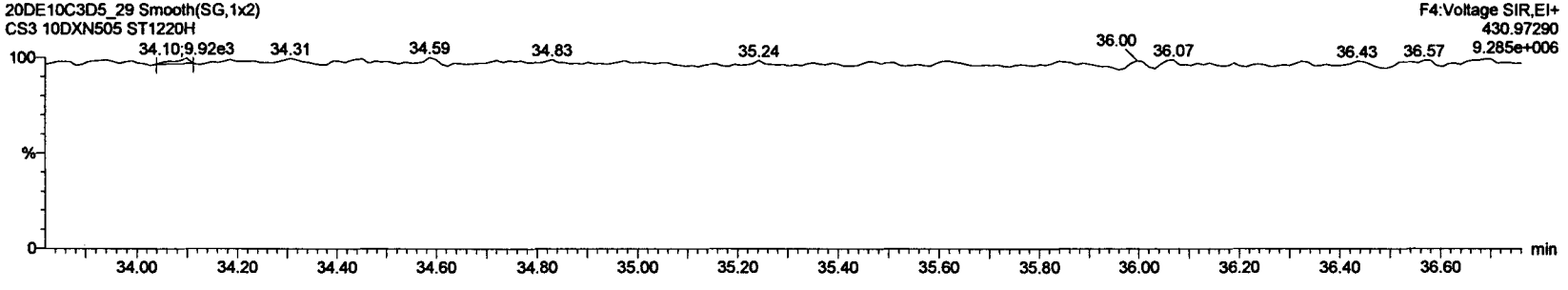
HpCDFs



HpCDF PCDPE



Function 4 PFK



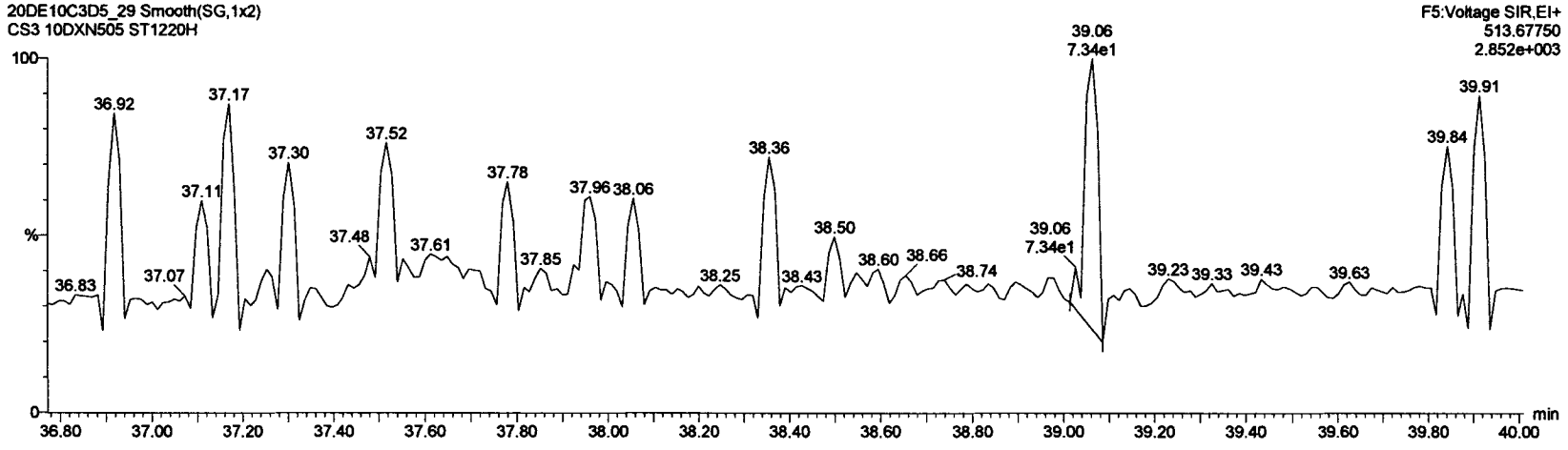
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

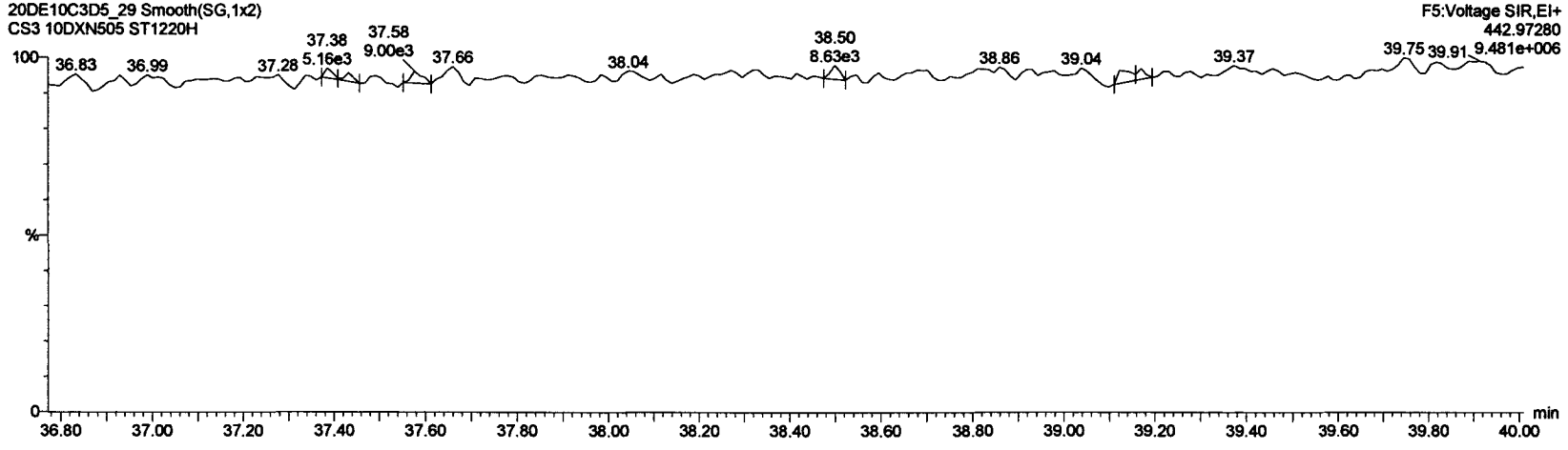
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_29, Date: 21-Dec-2010, Time: 13:49:39, ID: ST1220H, Description: CS3 10DXN505

OCDF PCDPE



Function 5 PFK



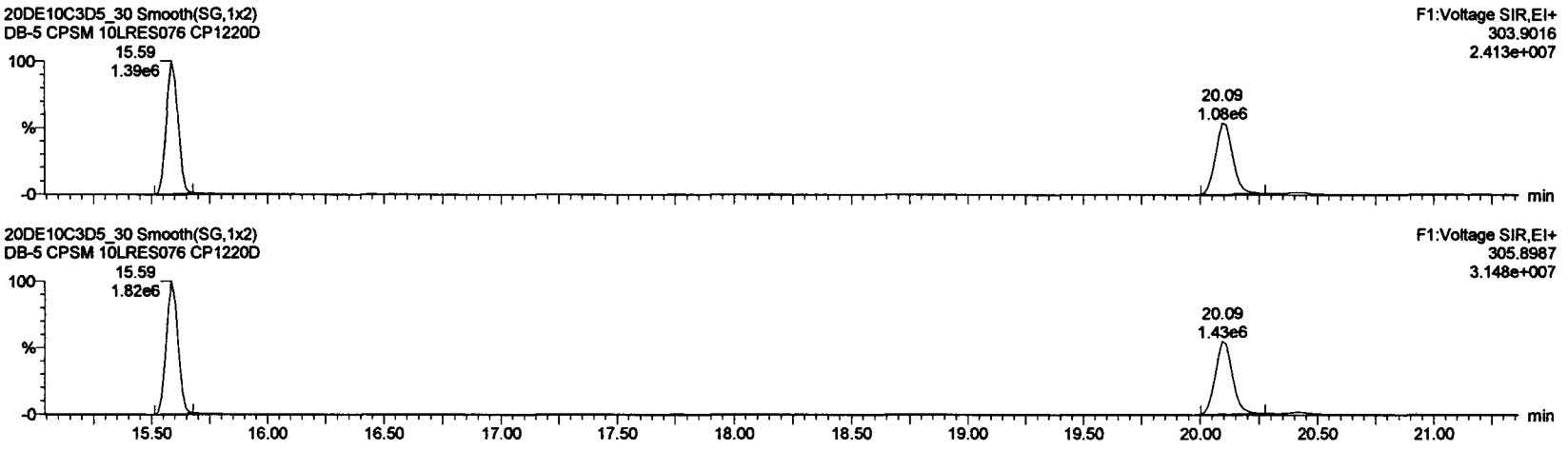
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

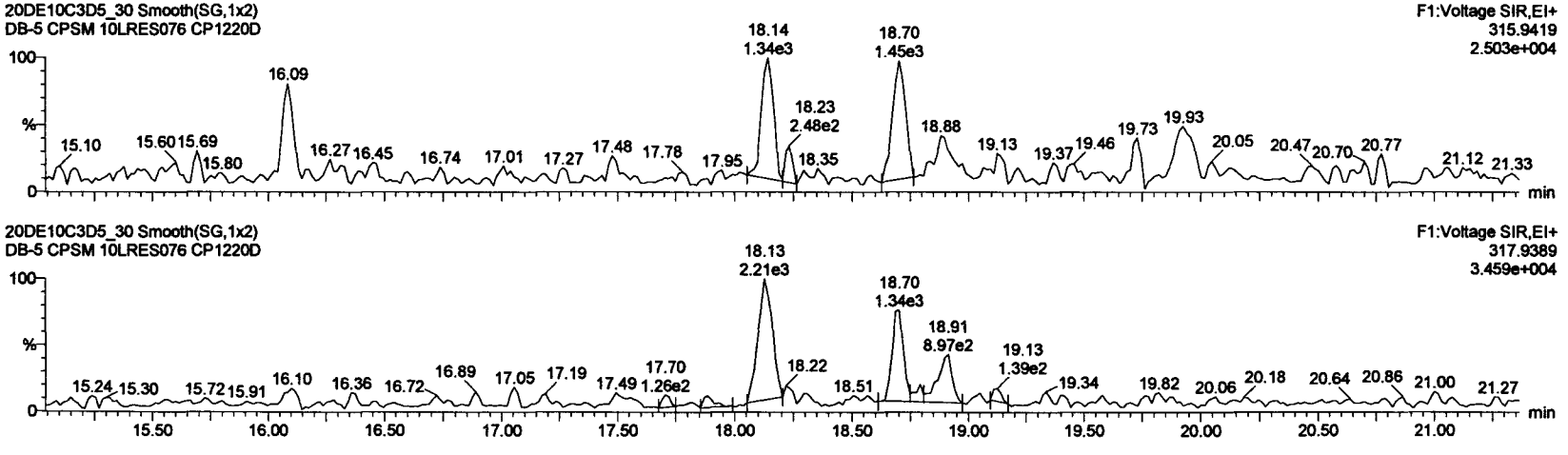
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

TCDFs



13C-TCDF



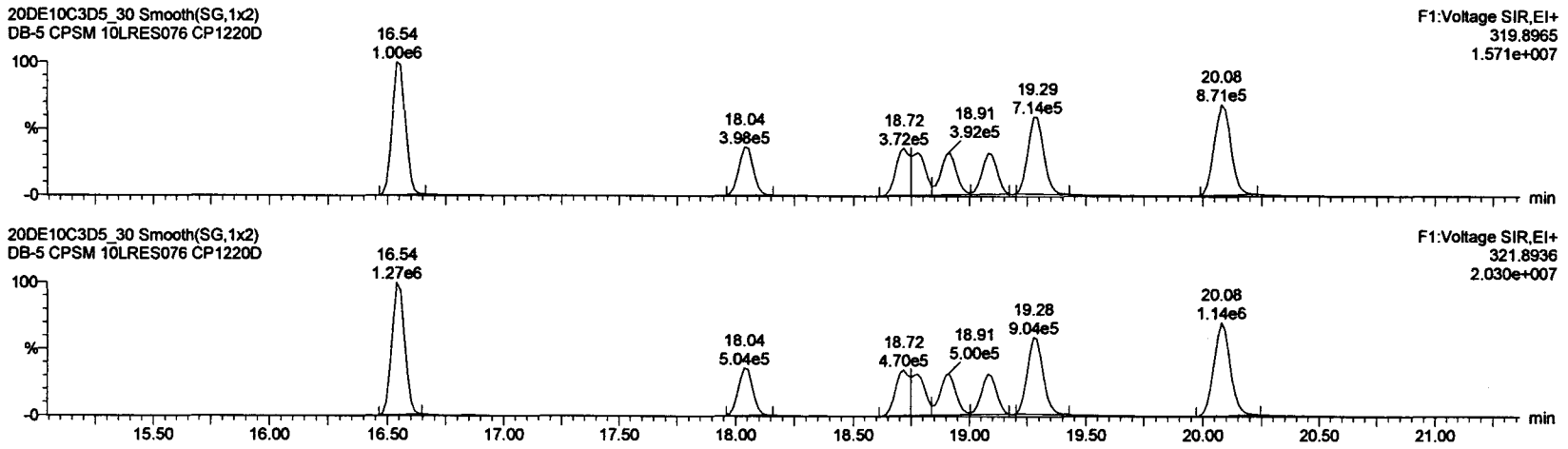
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

TCDDs



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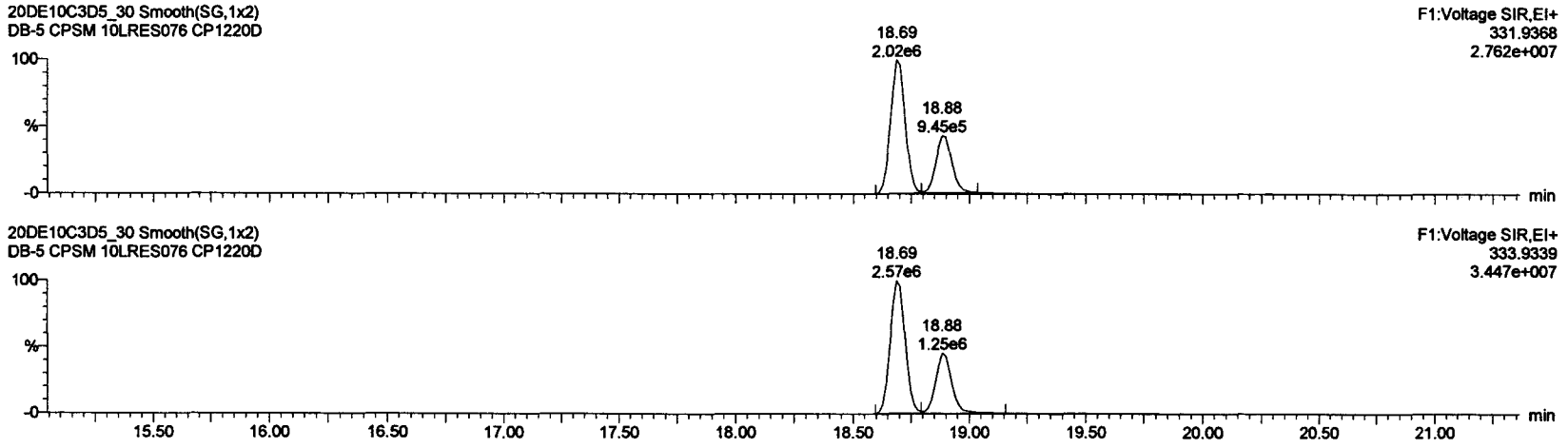

Quantify Sample Report **MassLynx 4.1**

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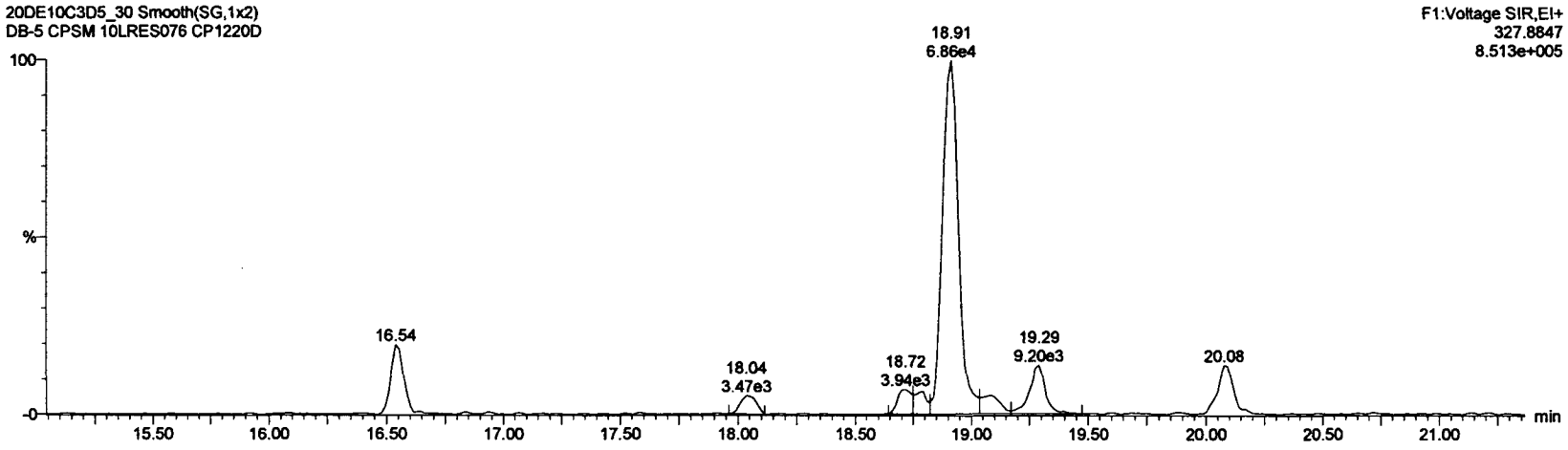
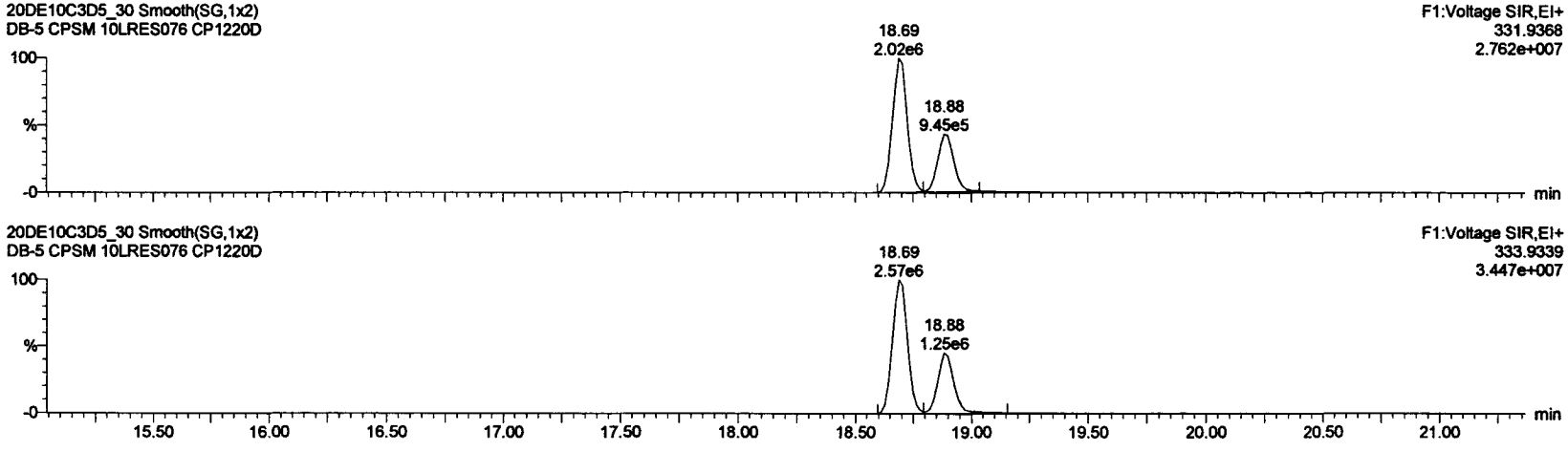
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

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



13C-TCDDs



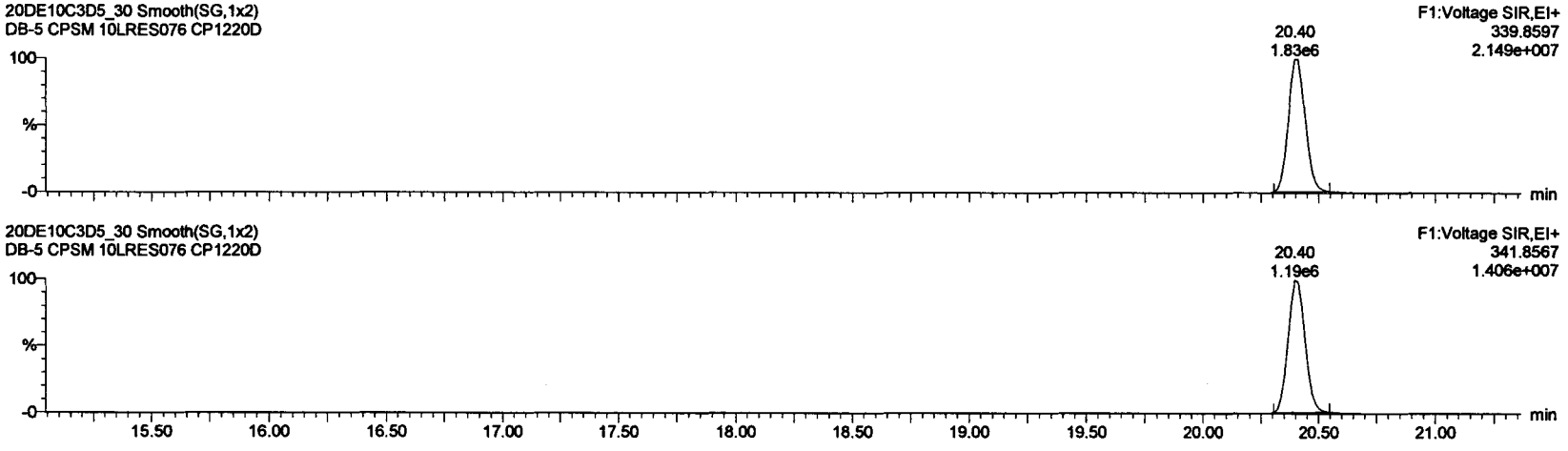
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

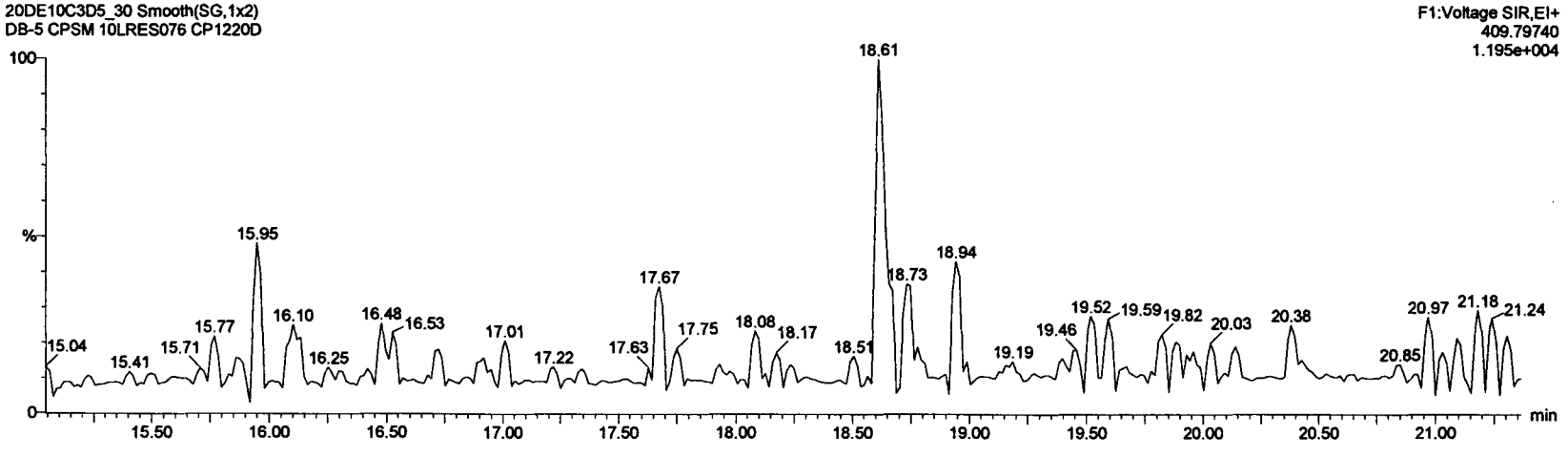
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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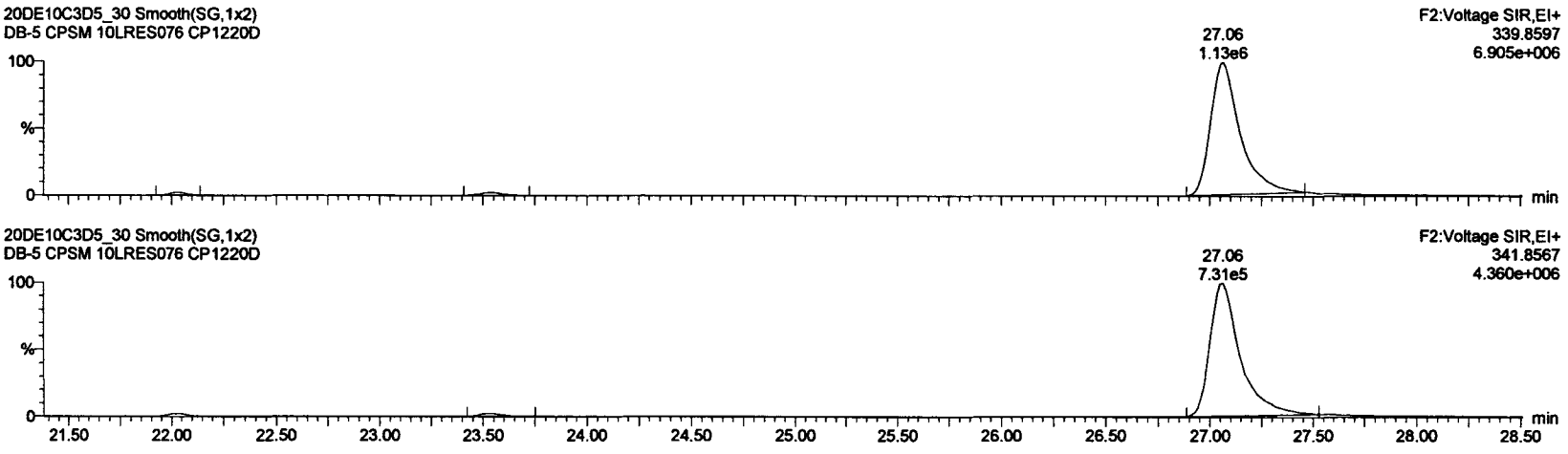
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

PeCDFs



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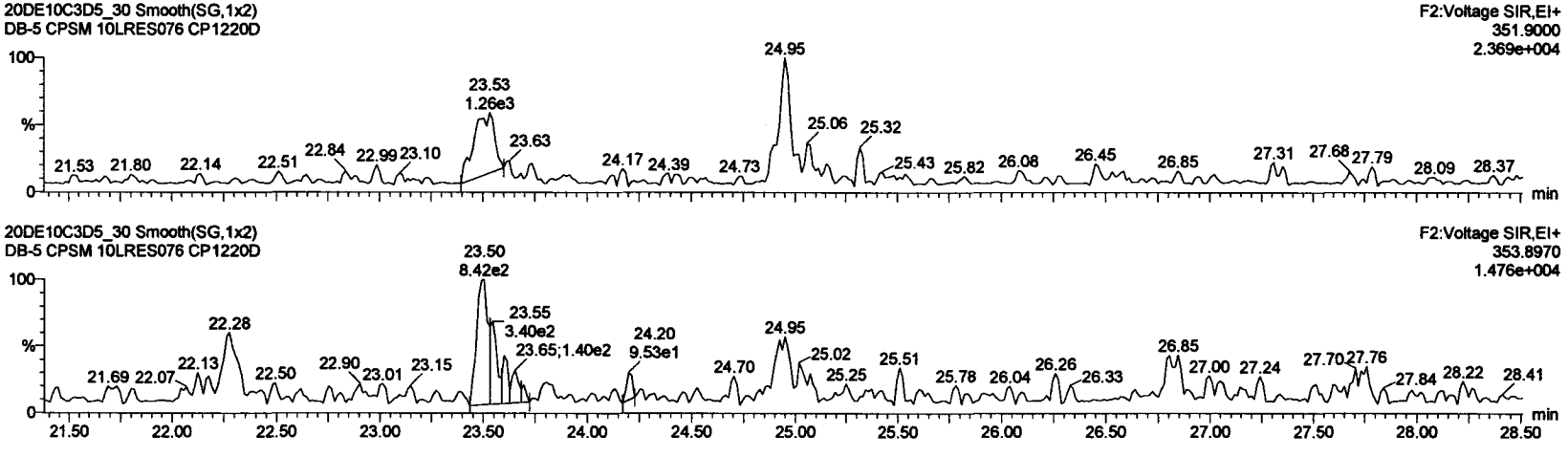

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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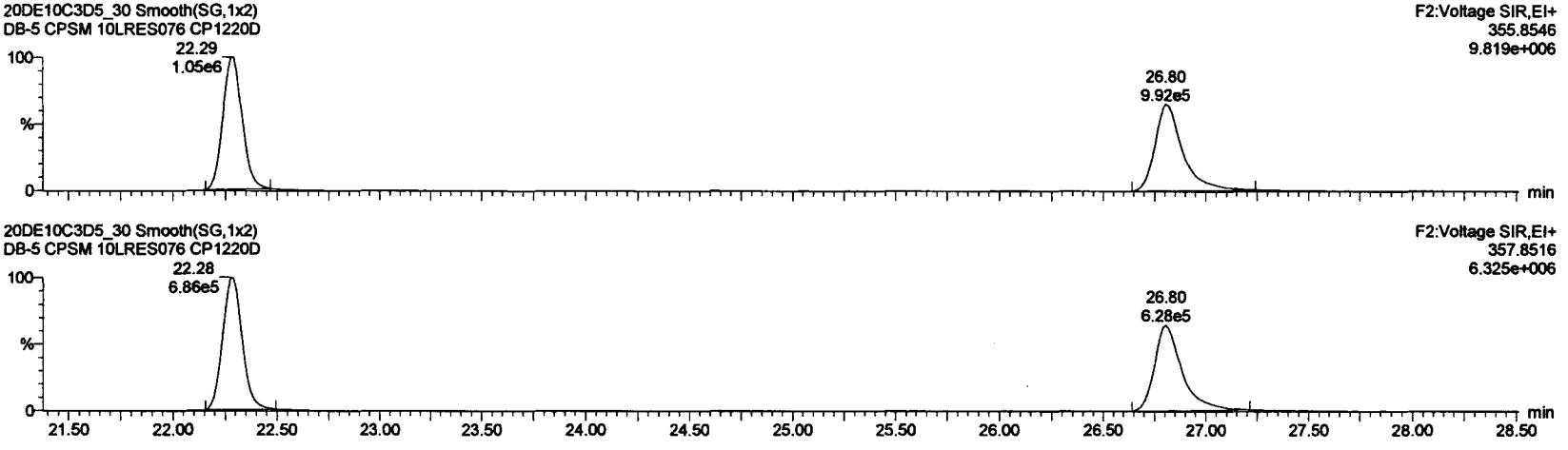
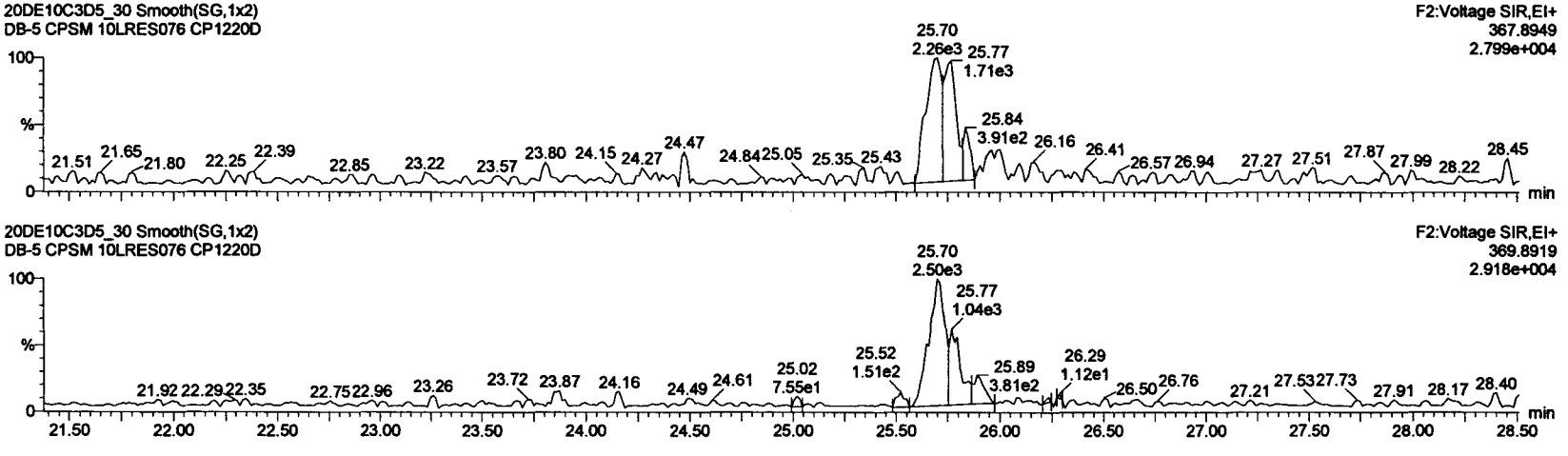
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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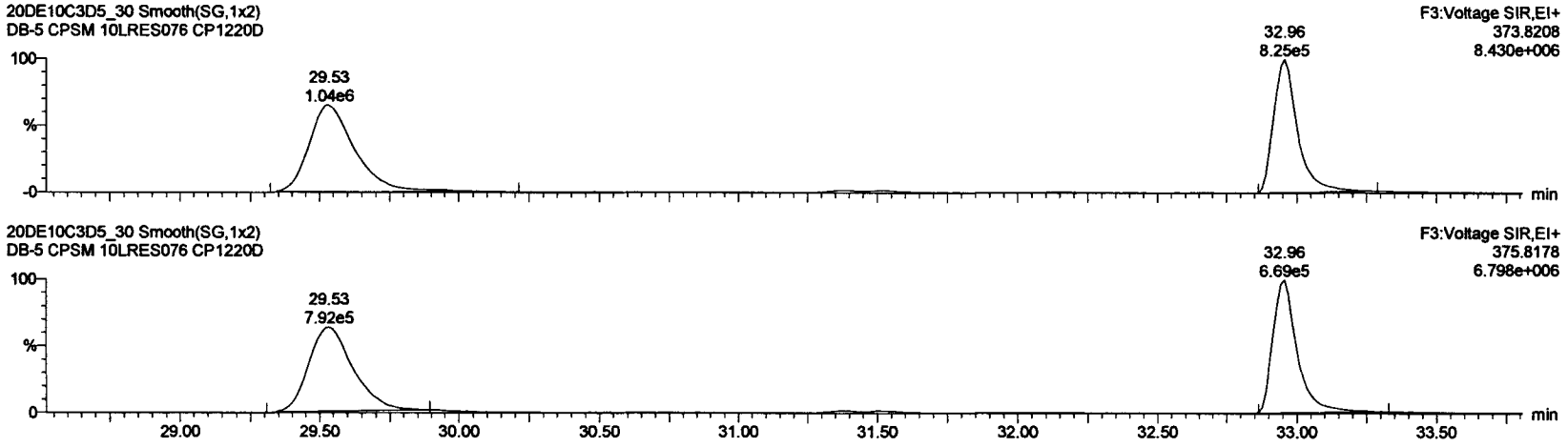
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

HxCDFs



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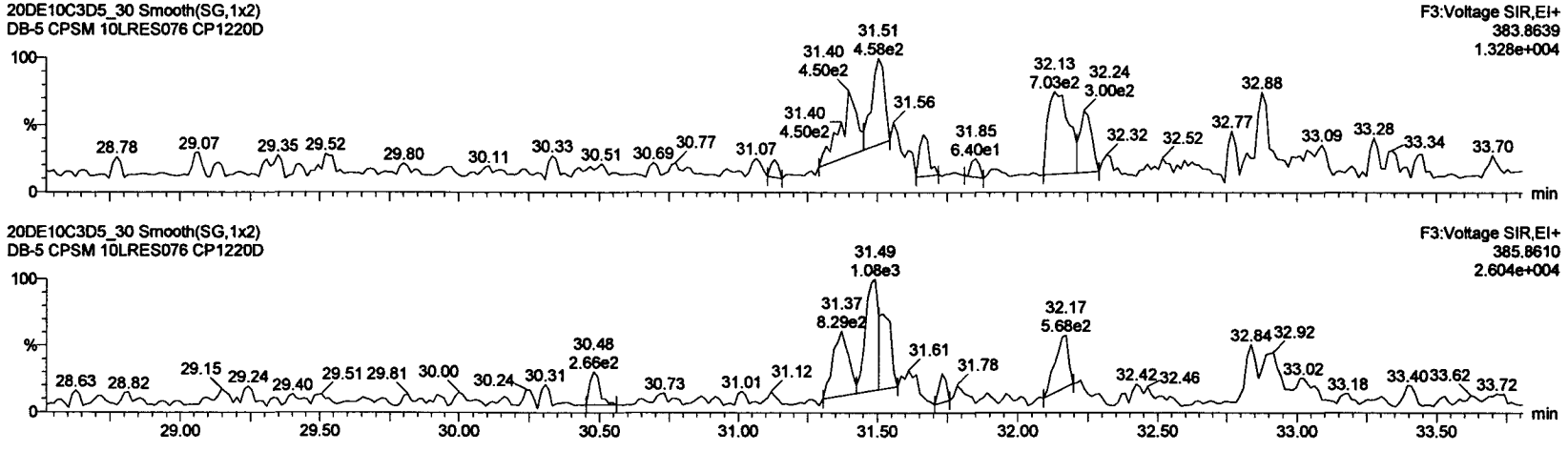

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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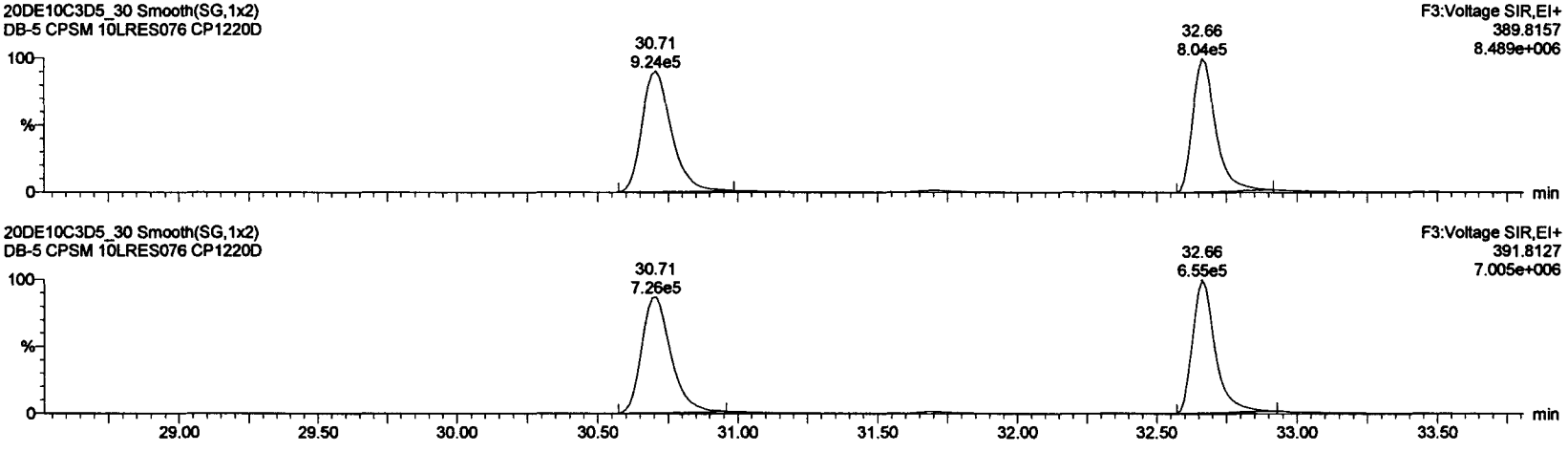
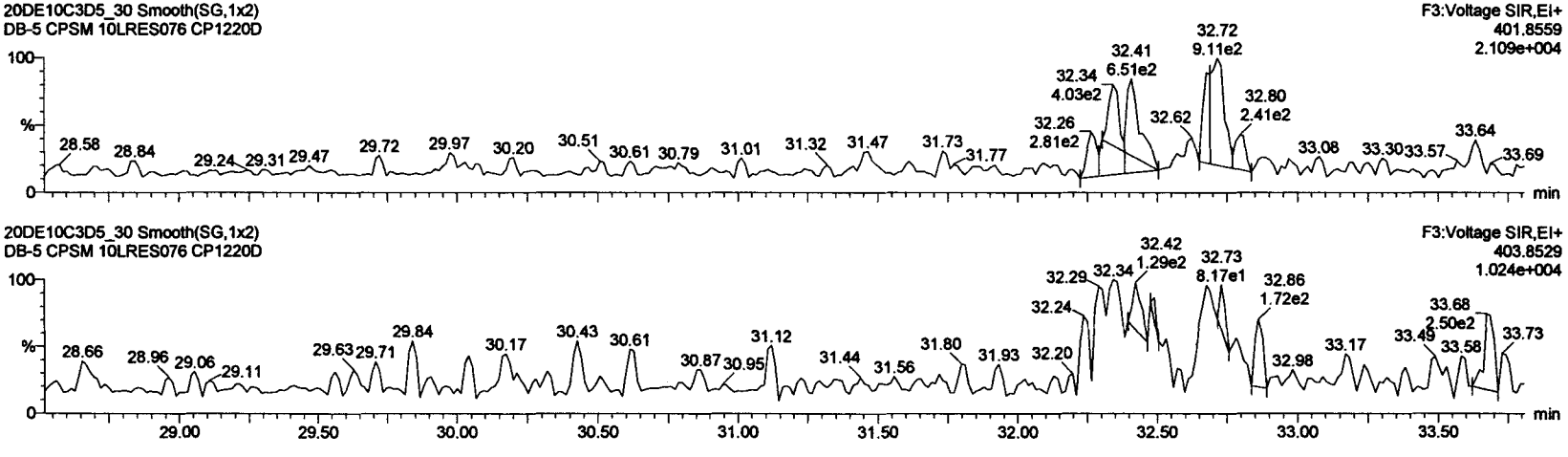
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

HxCDDs



13C-HxCDDs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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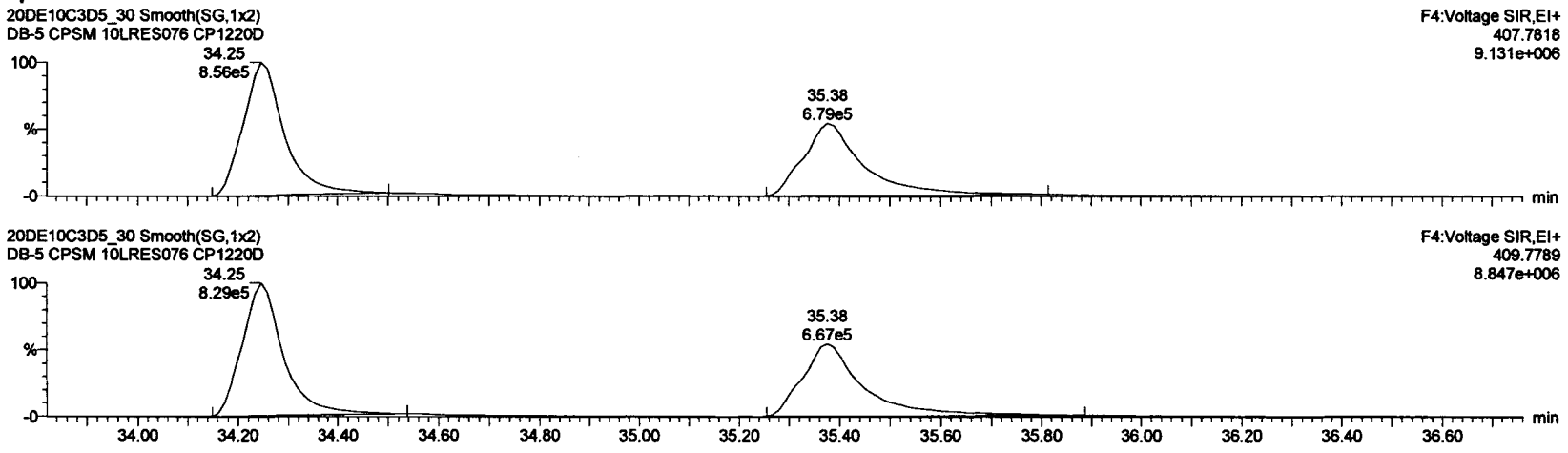
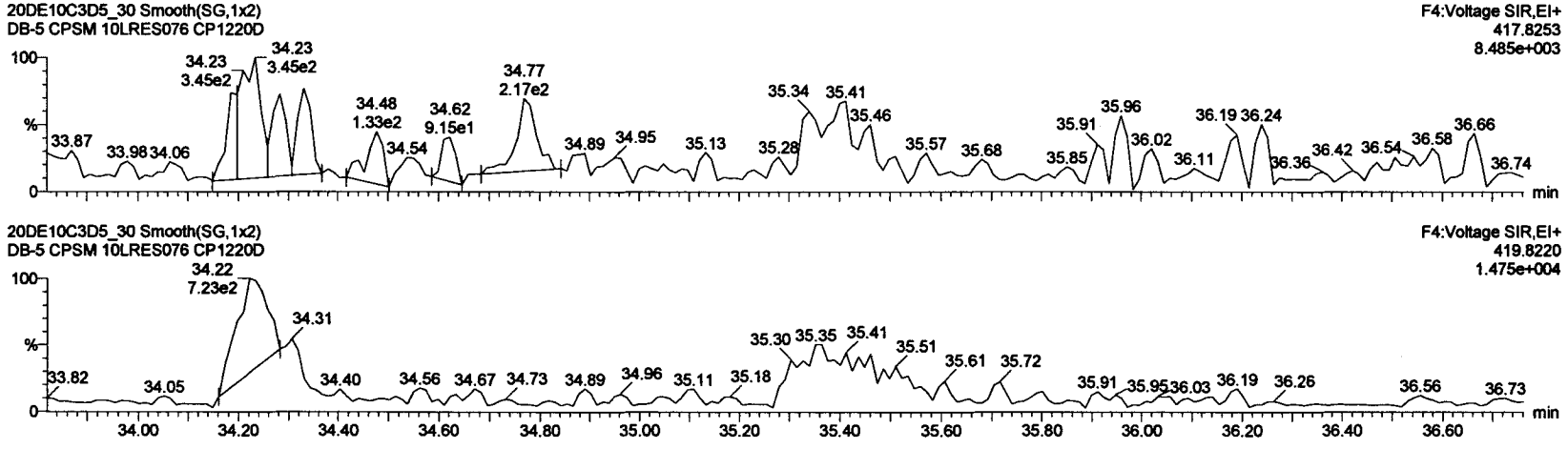
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

HpCDFs



13C-HpCDFs



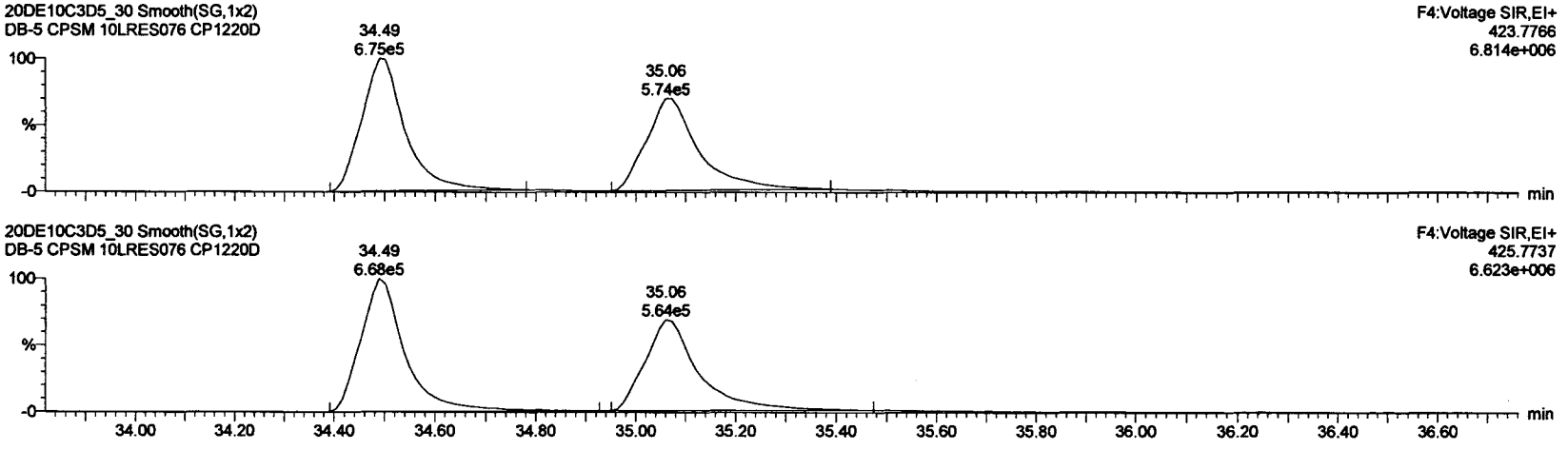
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

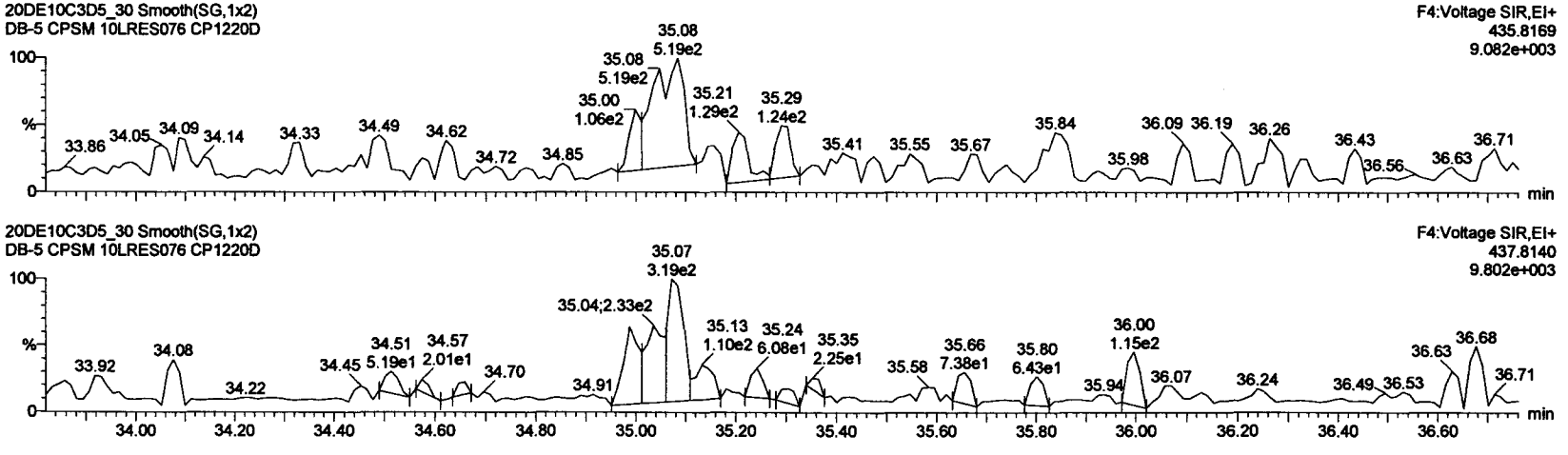
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

HpCDDs



13C-HpCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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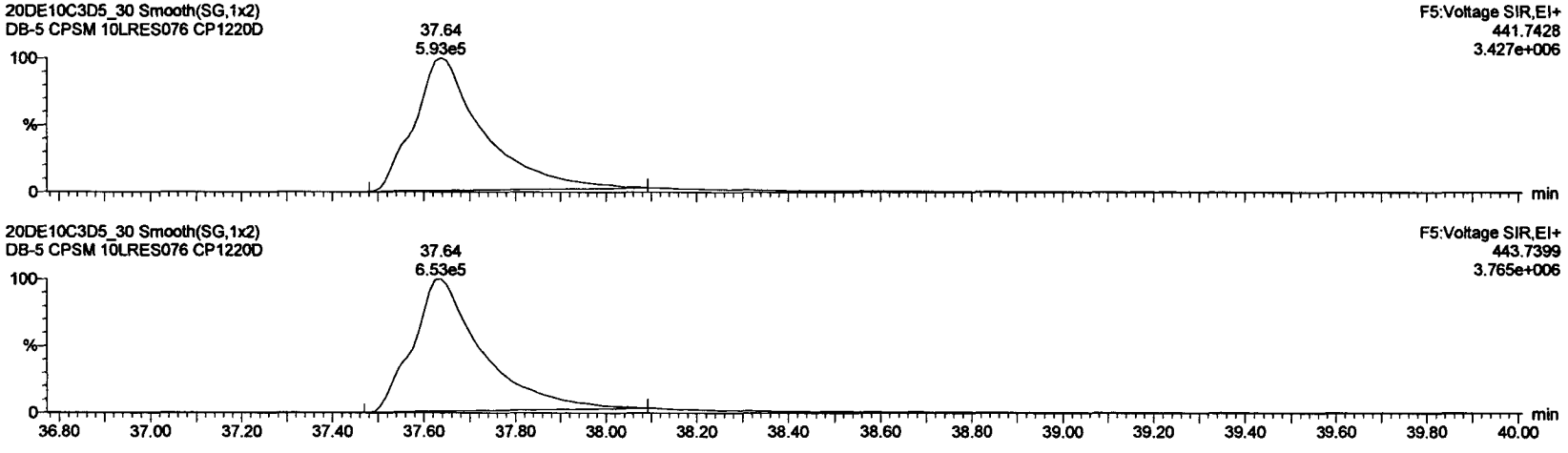
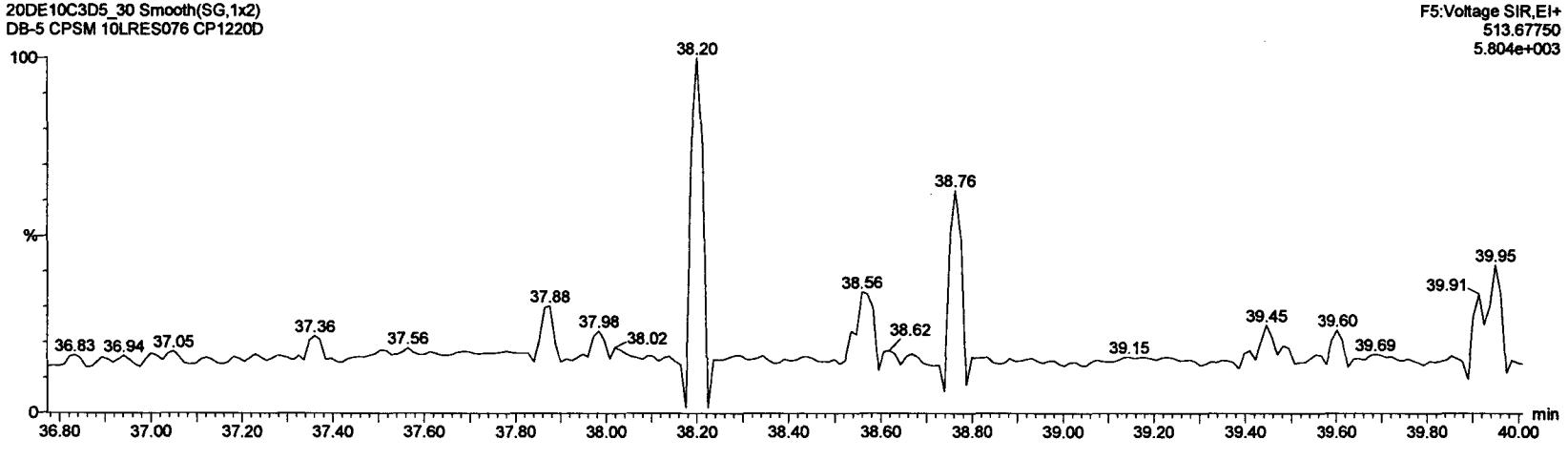
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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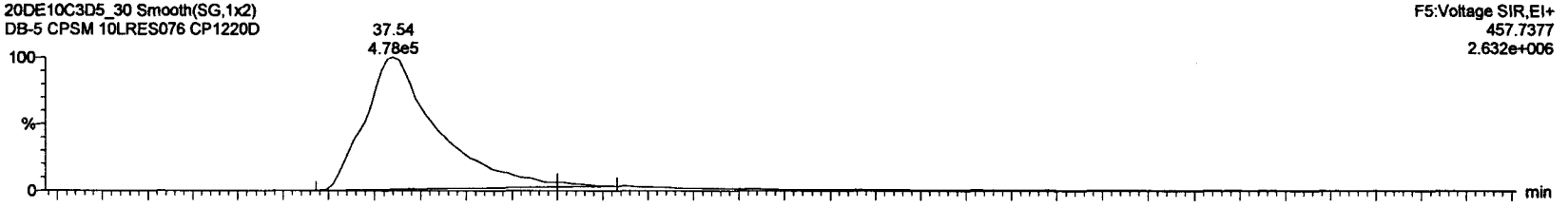
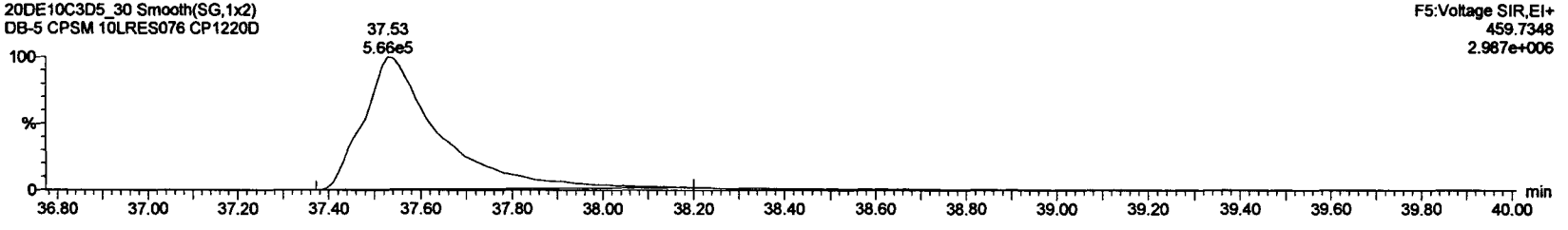
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

OCDD





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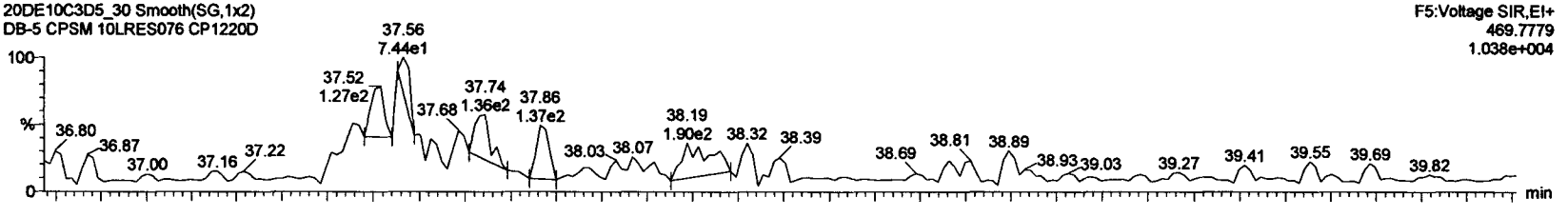

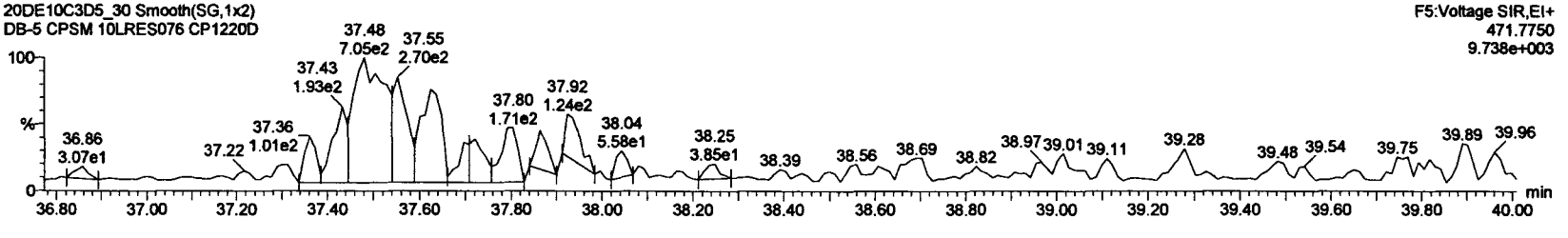

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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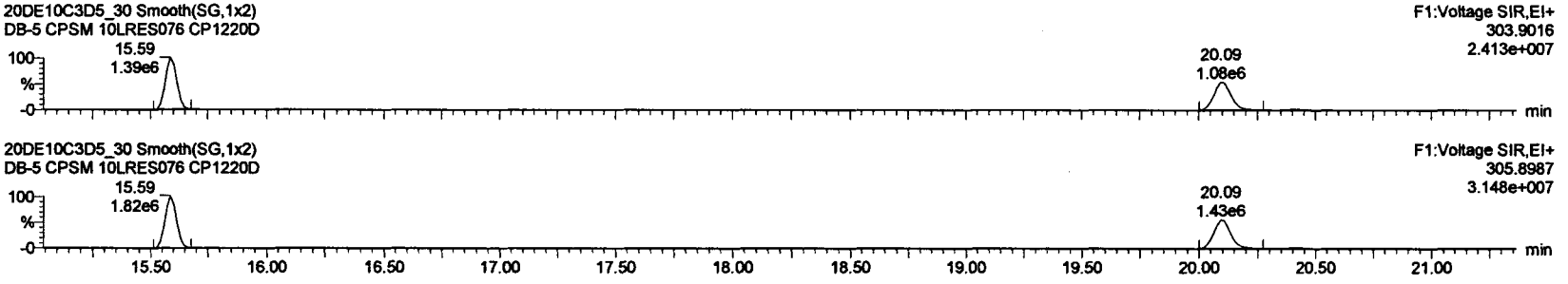
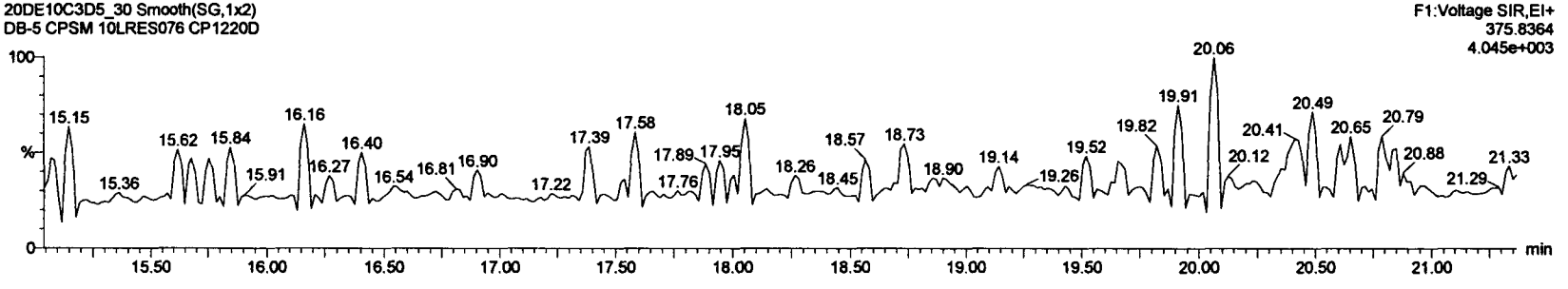
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

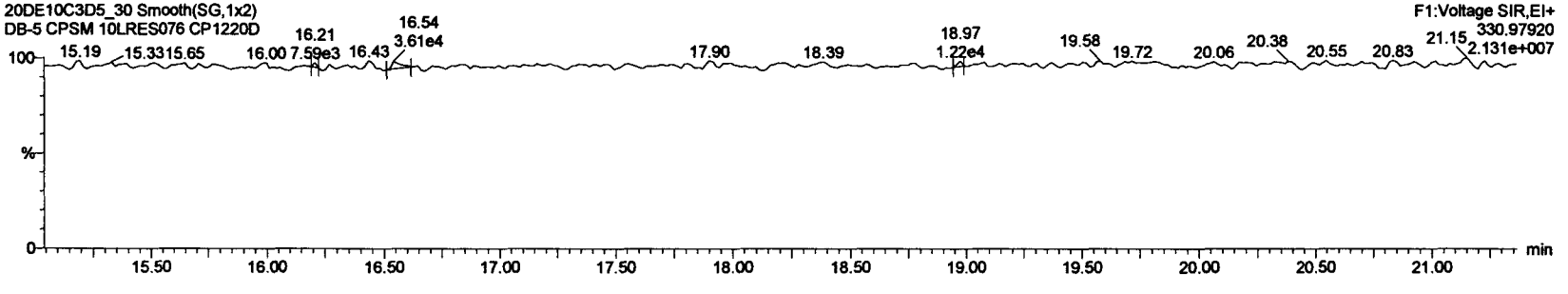
TCDFs



TCDF PCDPE



Function 1 PFK



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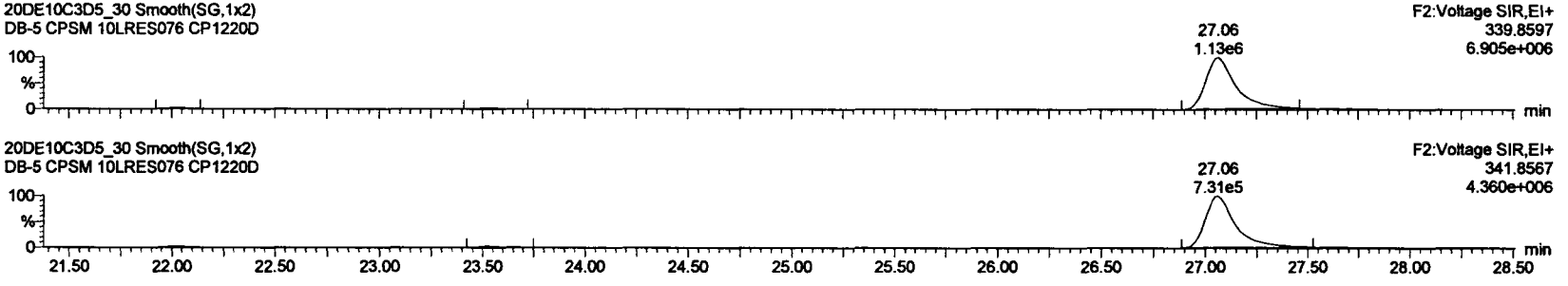
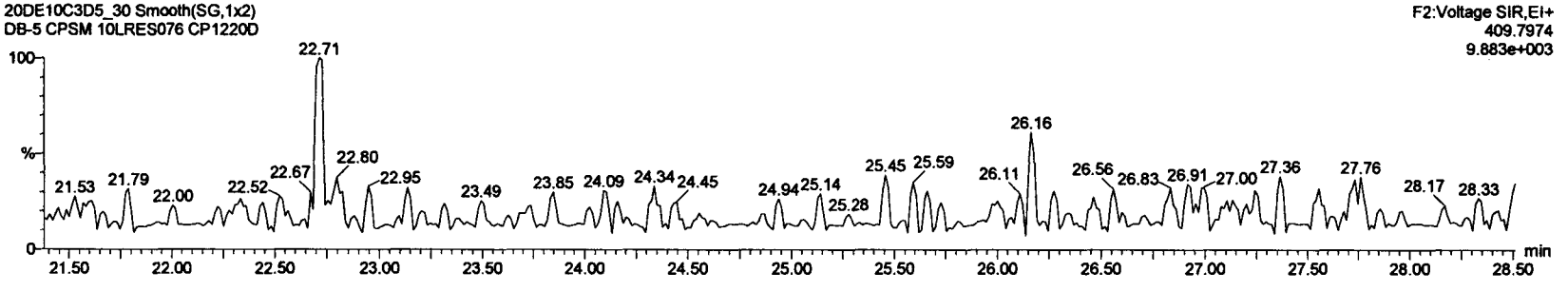
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

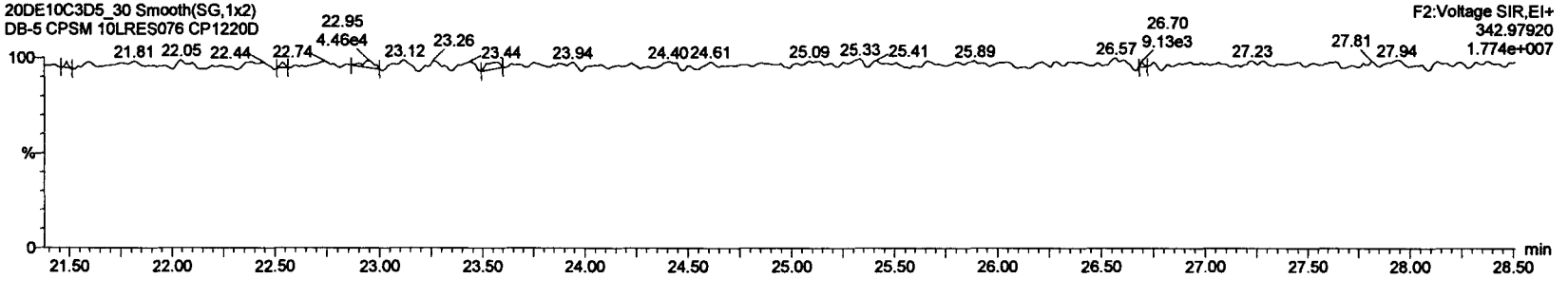
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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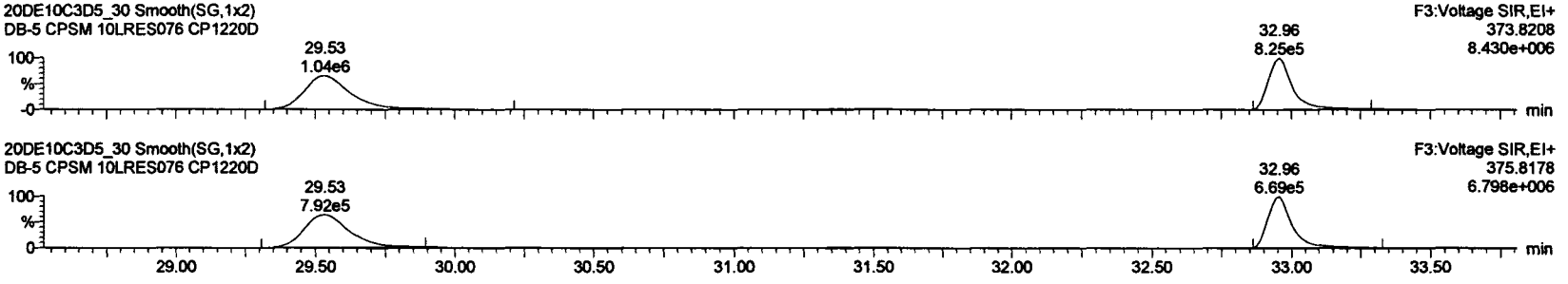
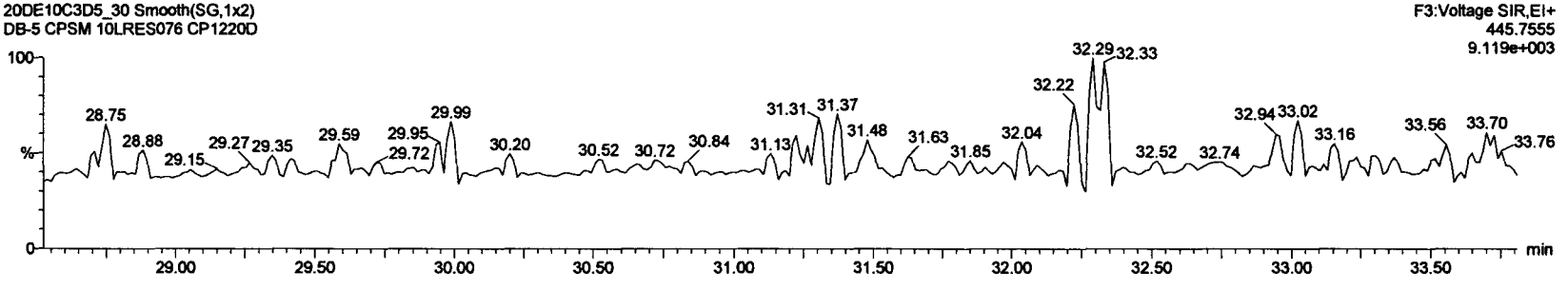
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

HxCDFs



HxCDF PCDPE



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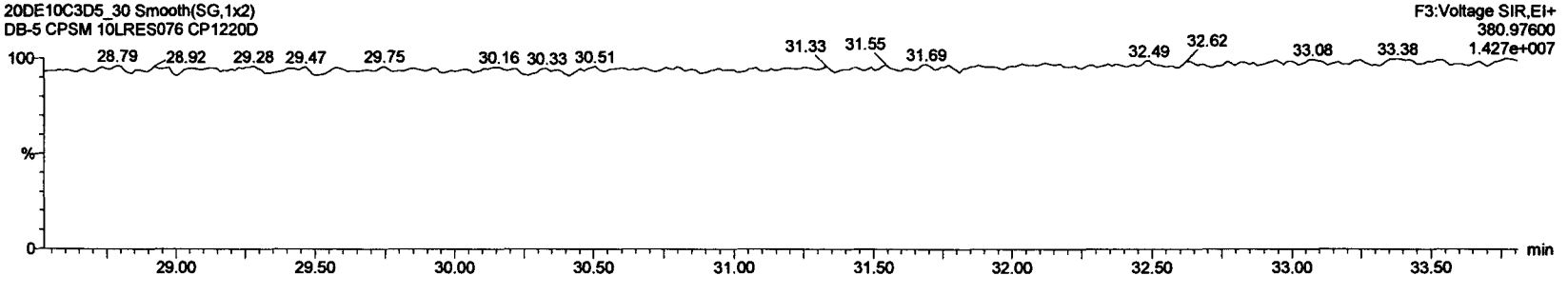

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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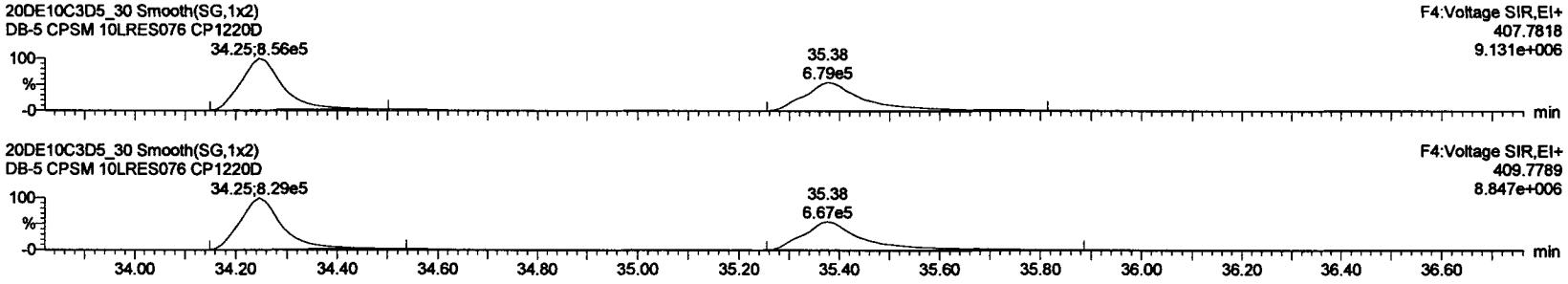
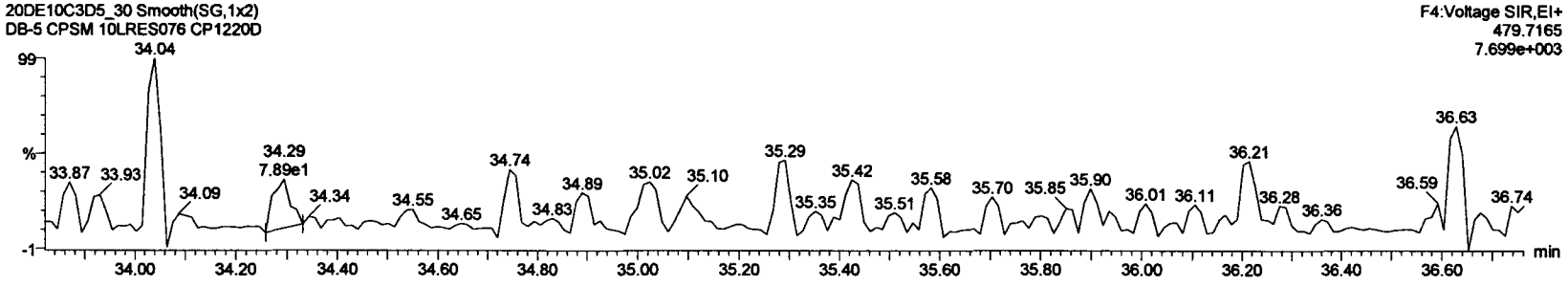
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

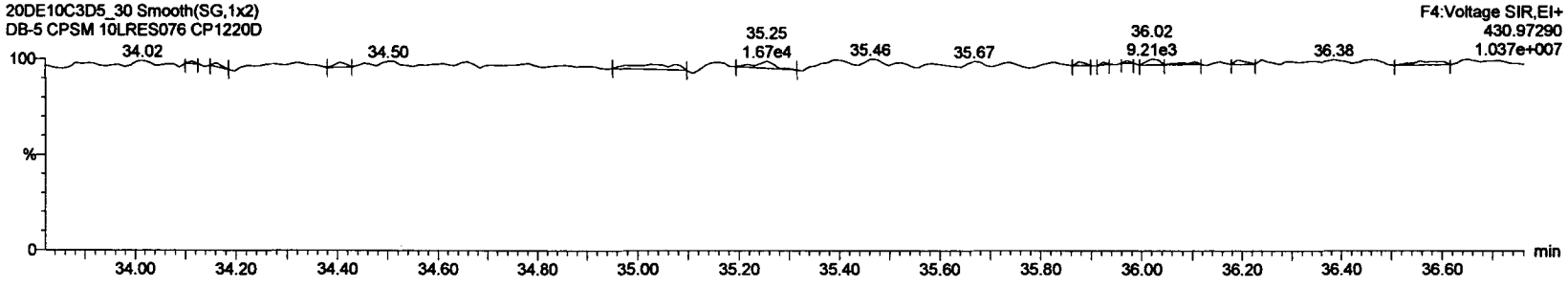
HpCDFs



HpCDF PCDPE



Function 4 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

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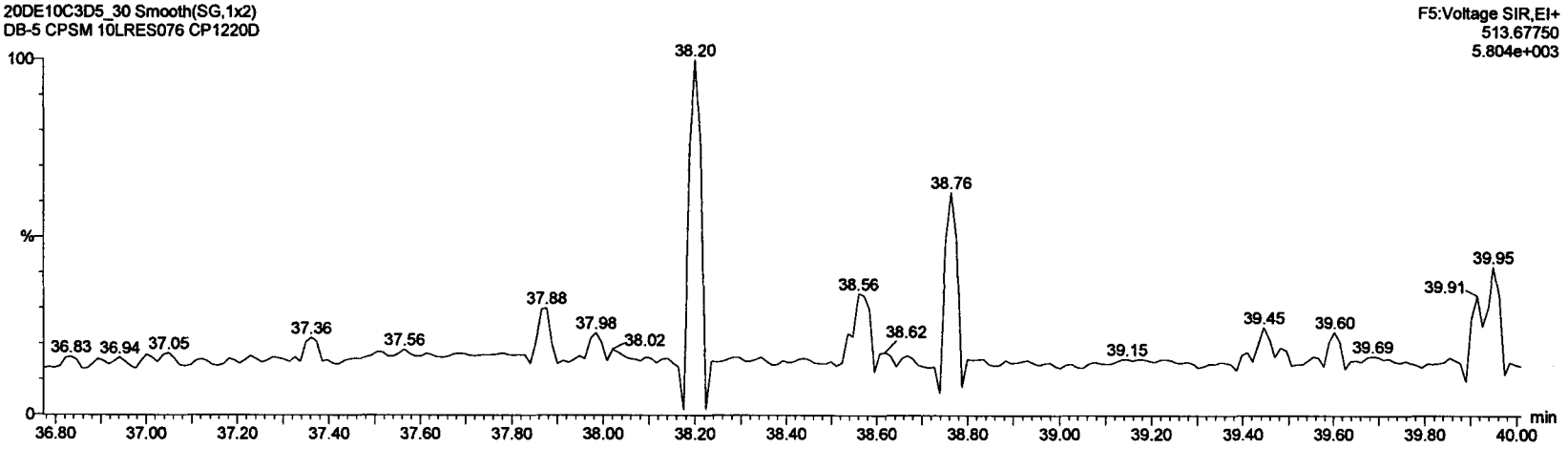
Name: 20DE10C3D5_30, Date: 21-Dec-2010, Time: 14:40:53, ID: CP1220D, Description: DB-5 CPSM 10LRES076

OCDF PCDPE



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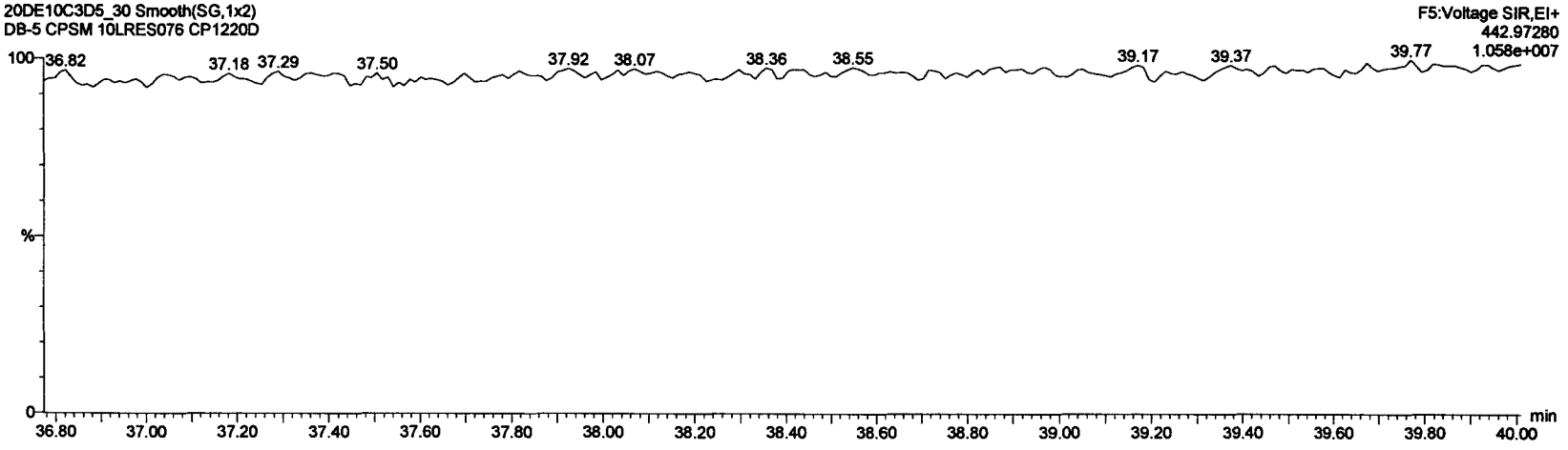


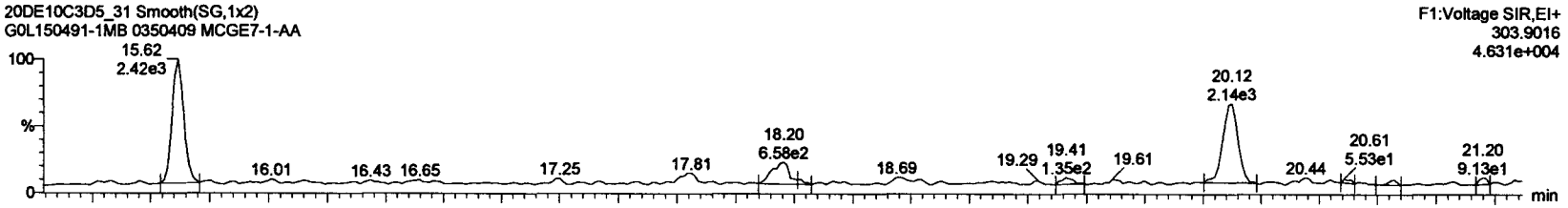
Quantify Sample Report **MassLynx 4.1**

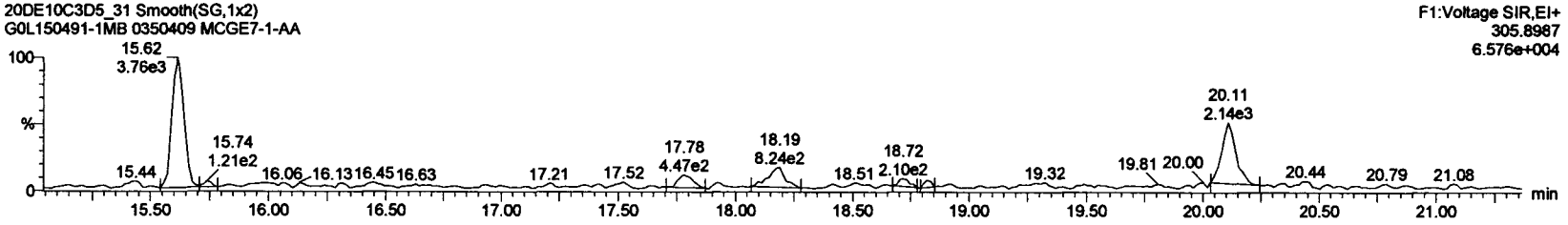
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

TCDFs





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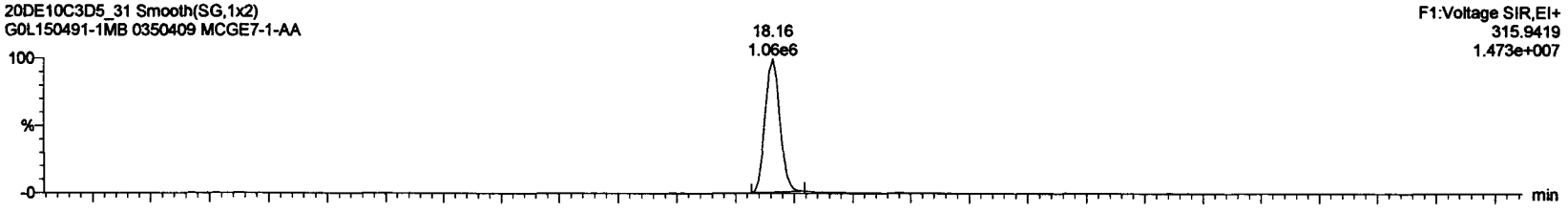

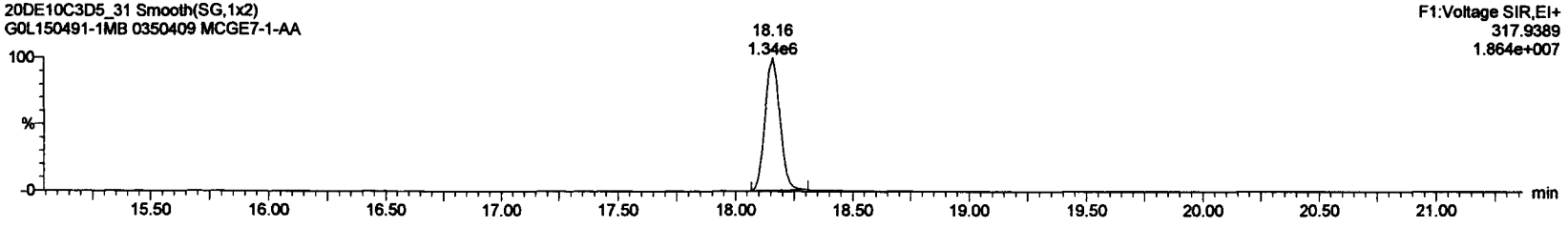

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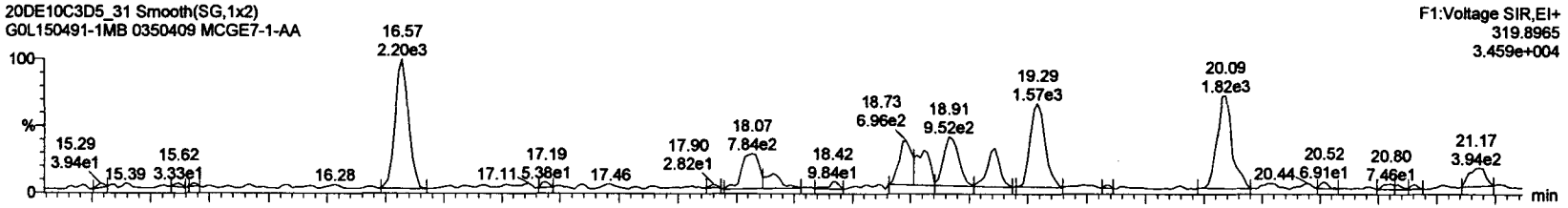
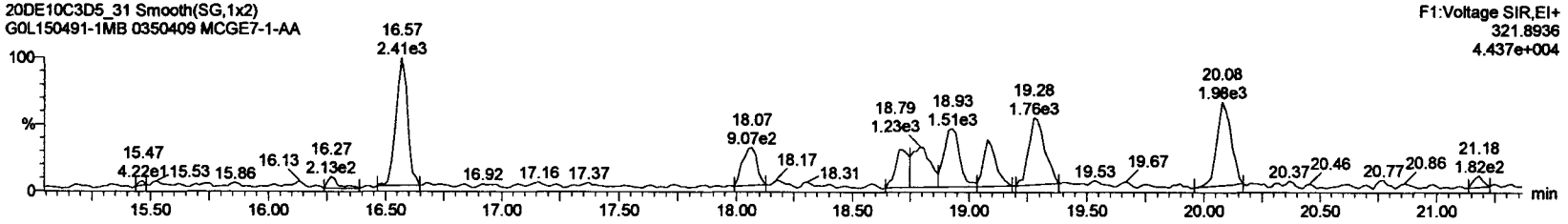
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

TCDDs





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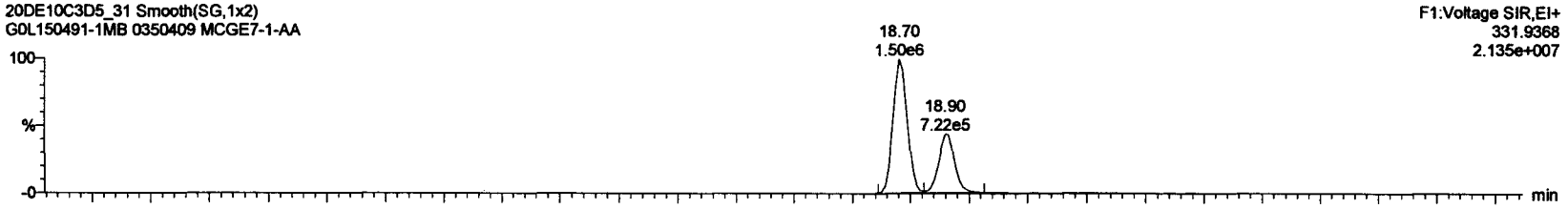

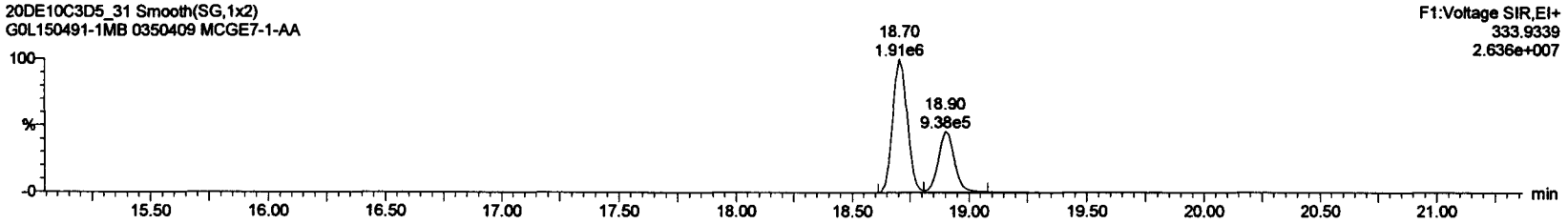

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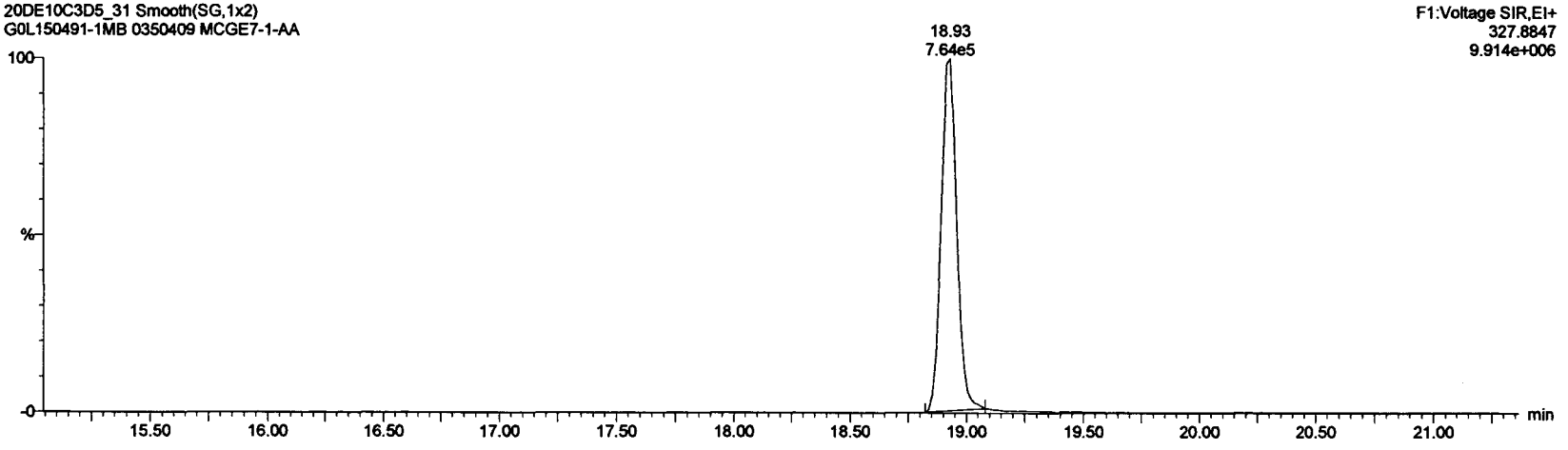
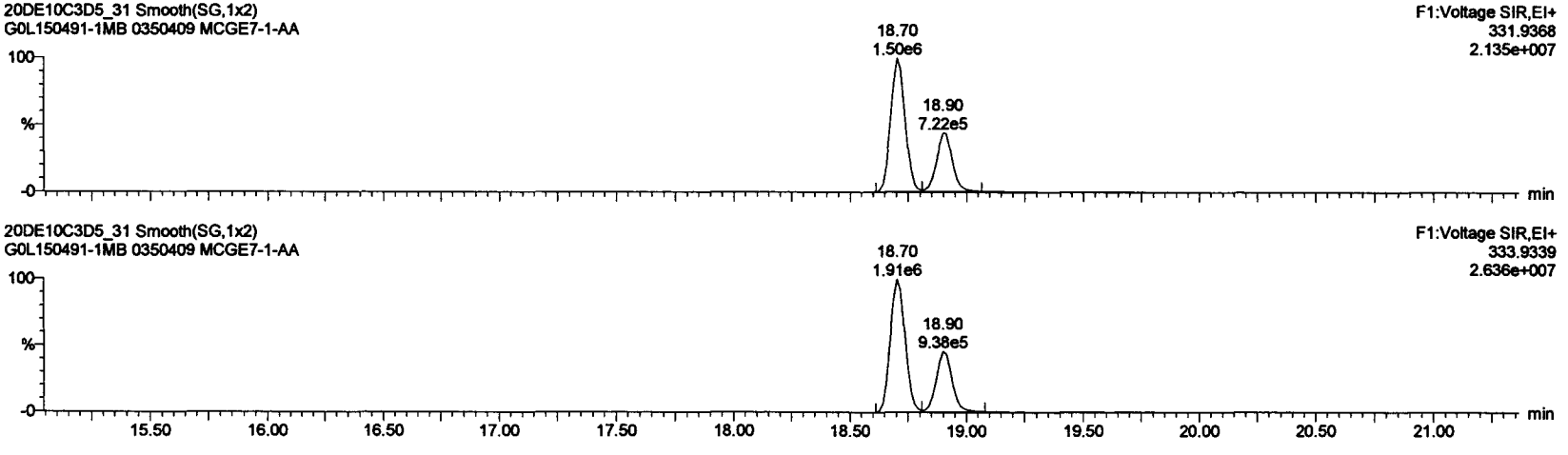
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

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



13C-TCDDs



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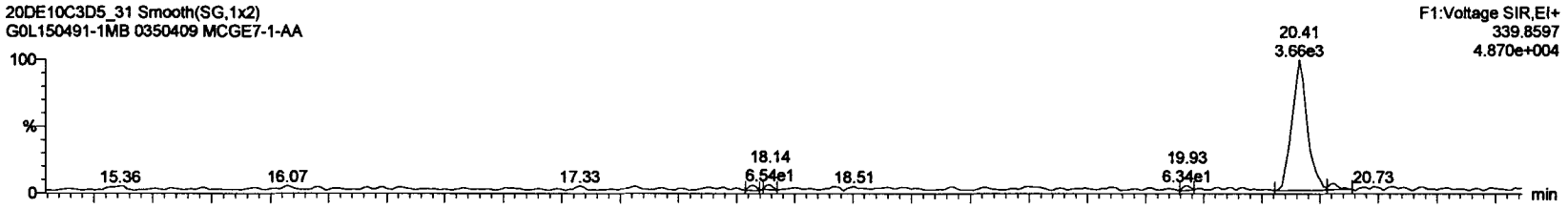
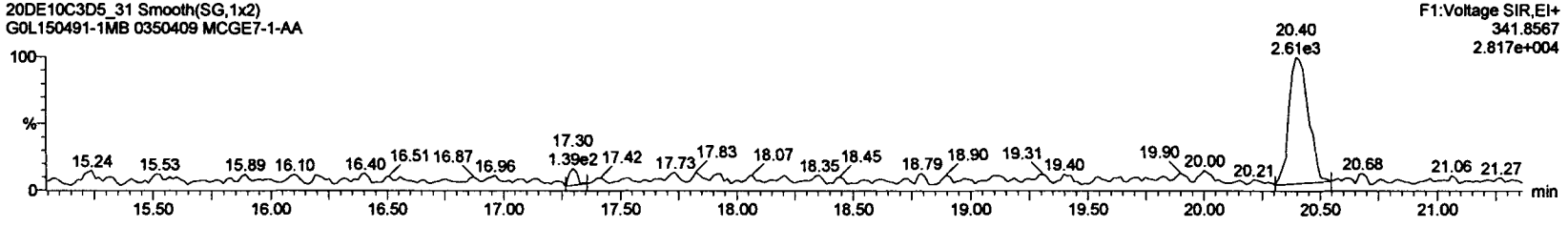
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

F1 PeCDFs





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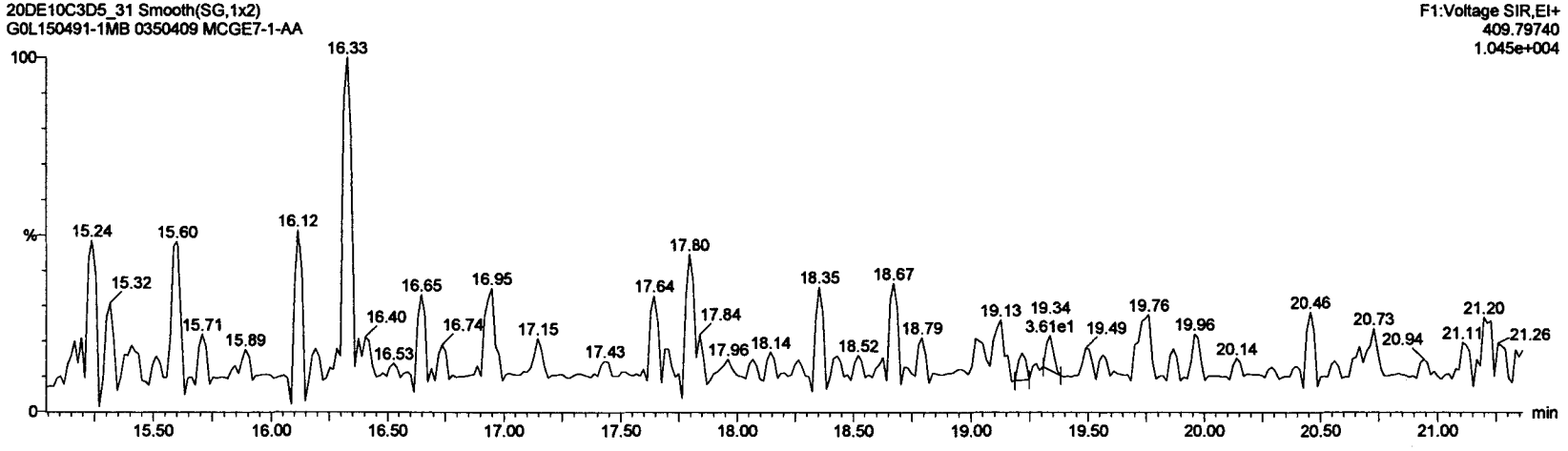

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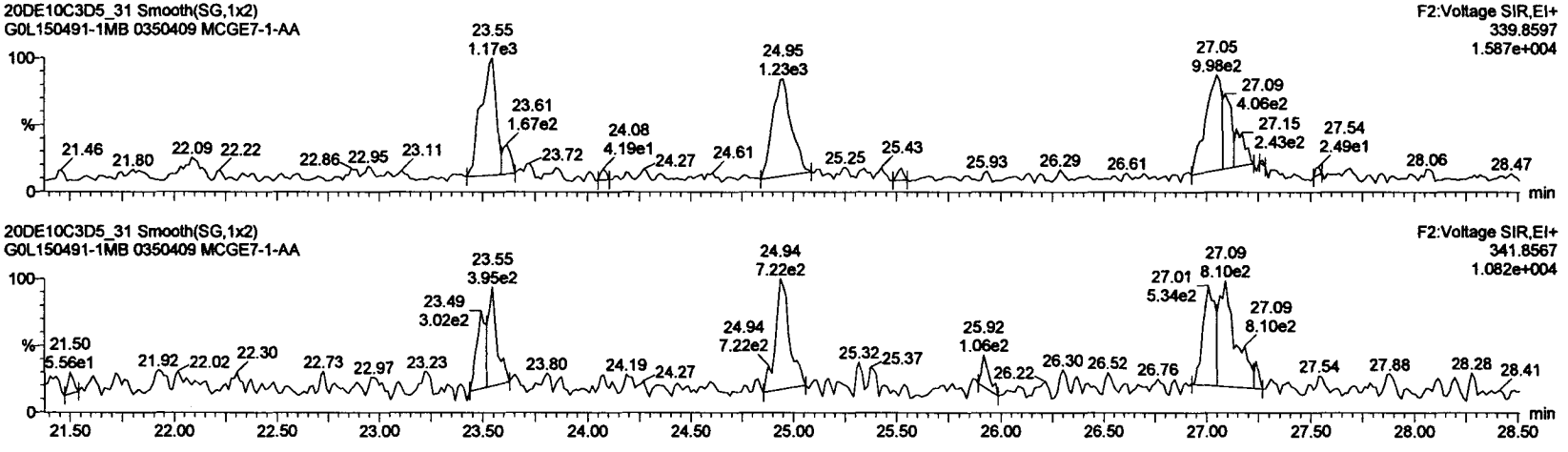
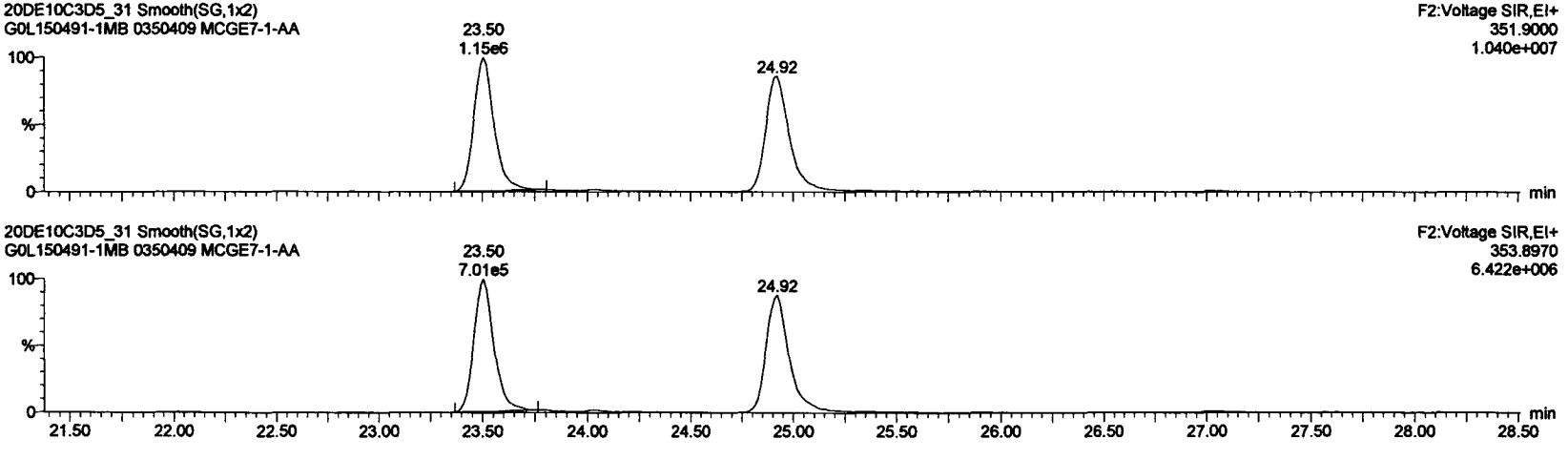
PeCDFs



13C-PeCDFs



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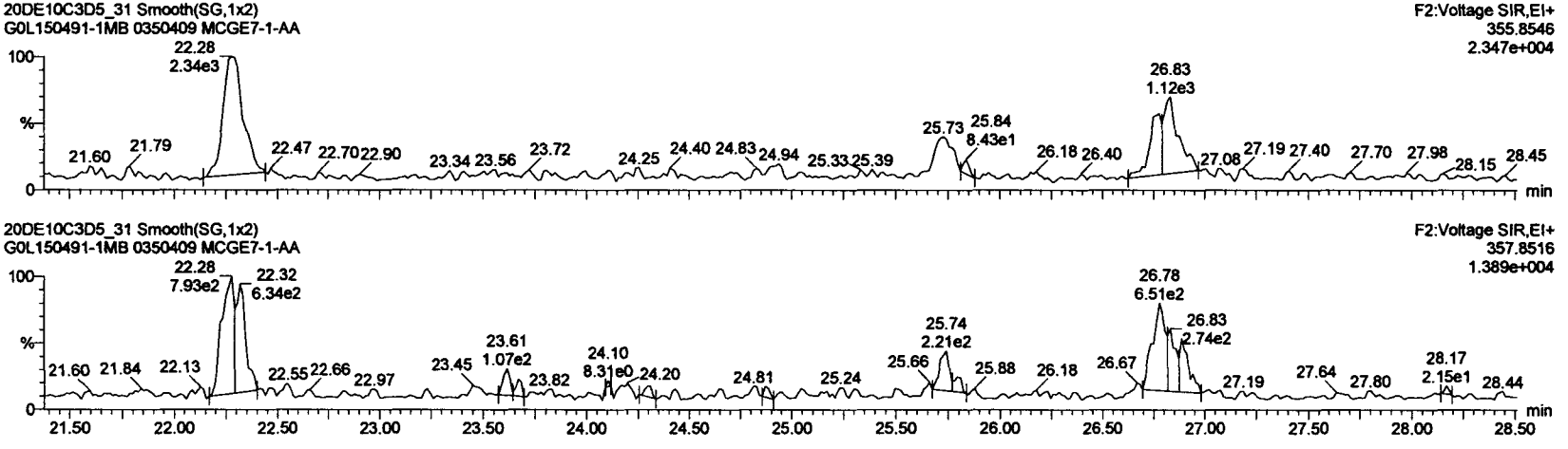
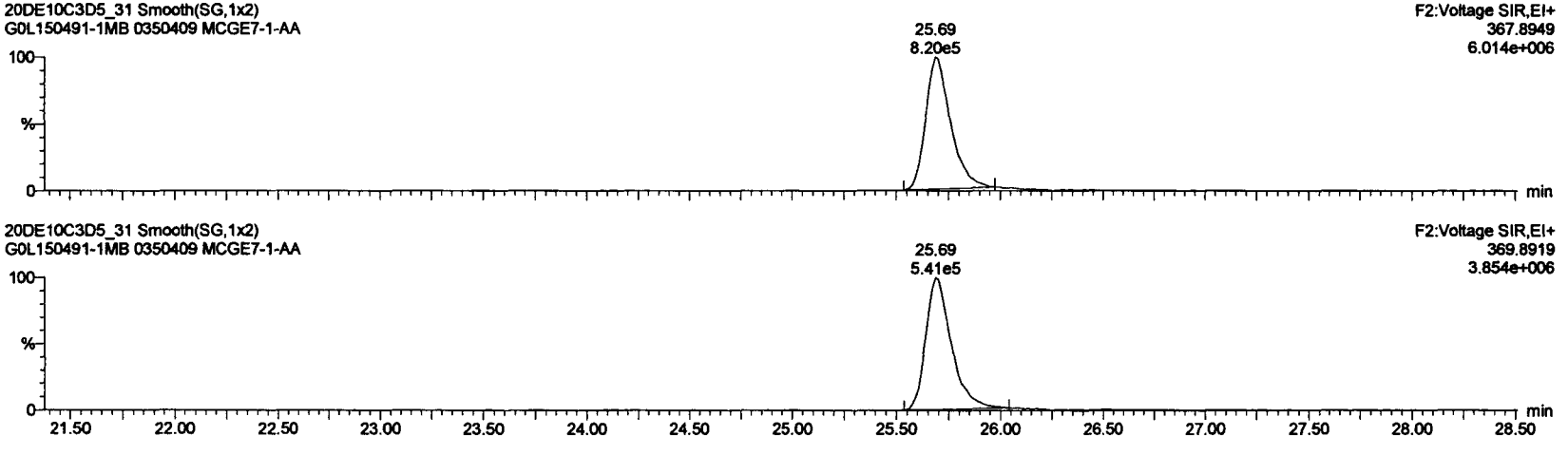
PeCDDs



13C-PeCDD



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Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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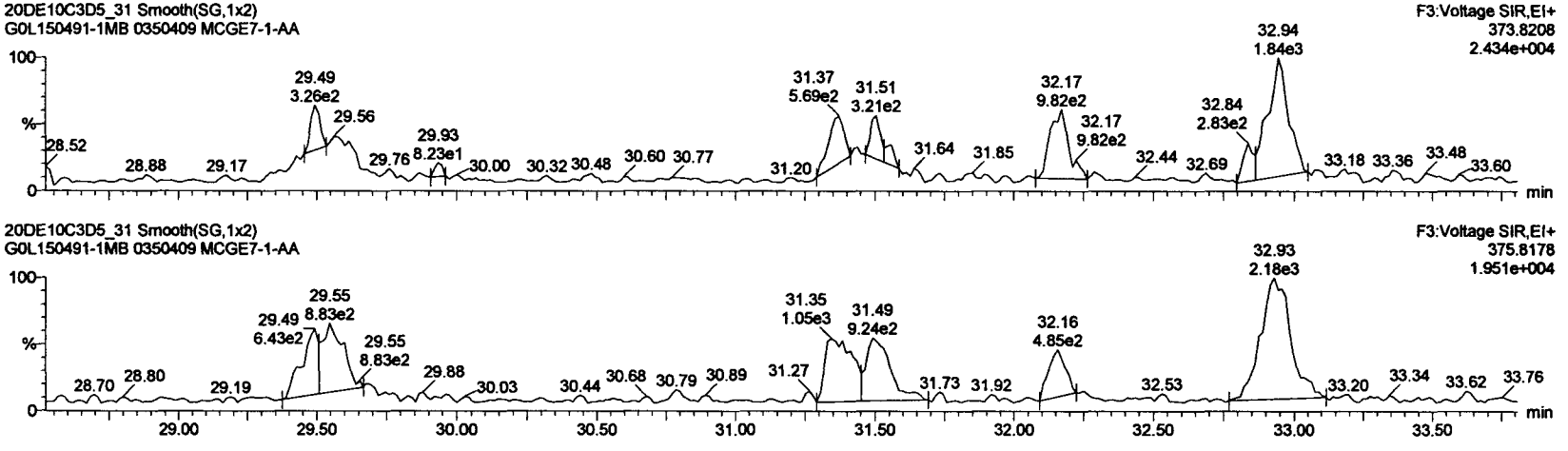
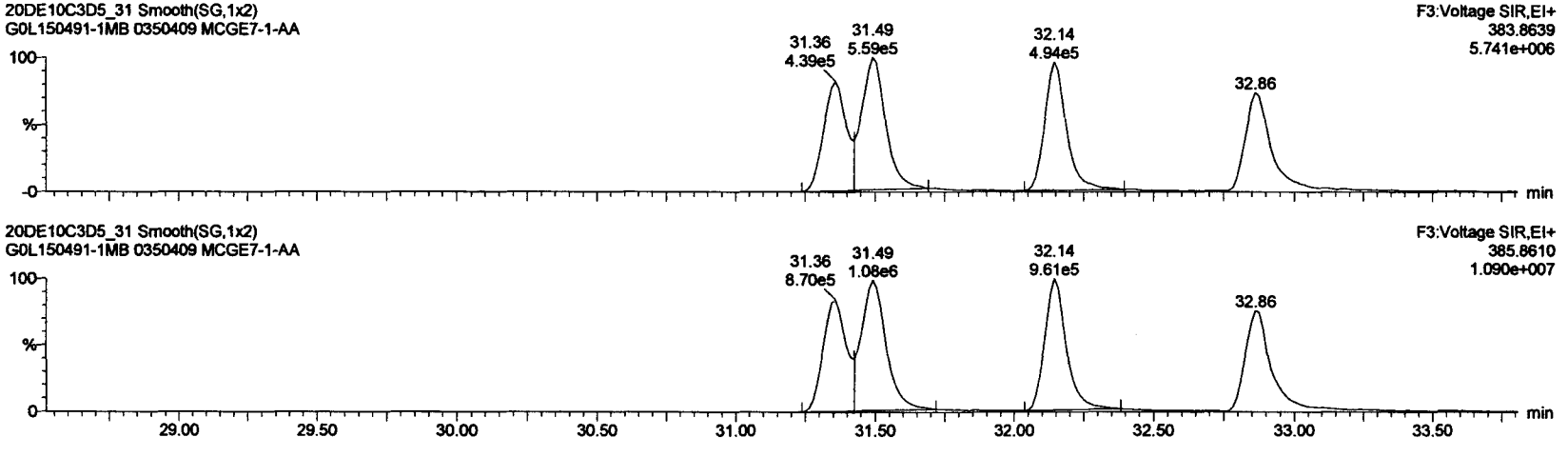
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

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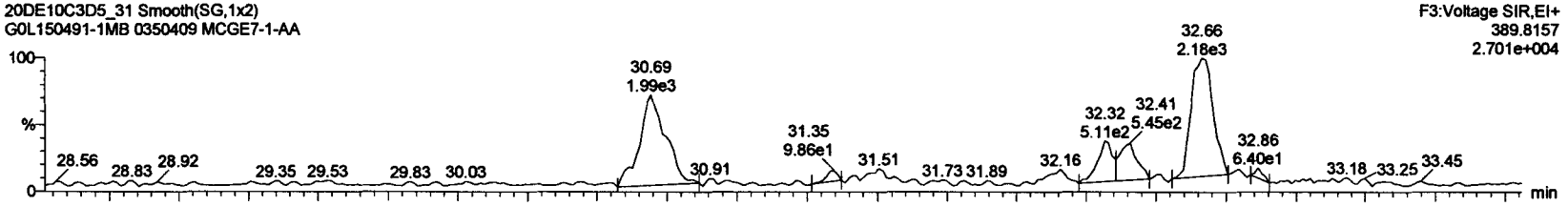
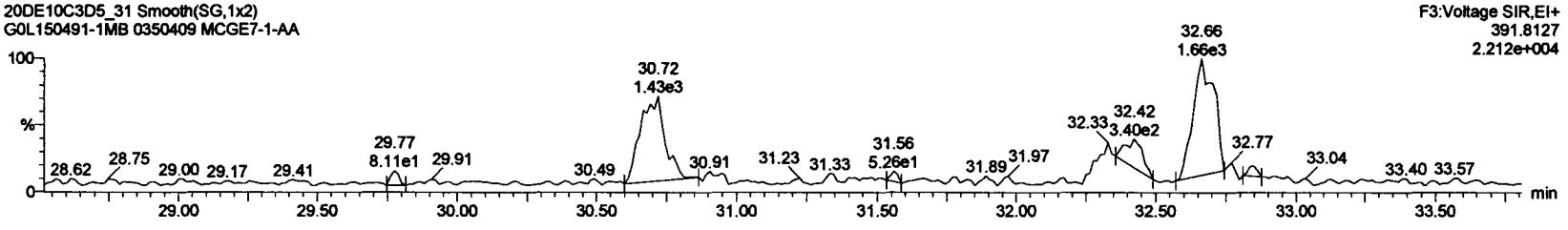
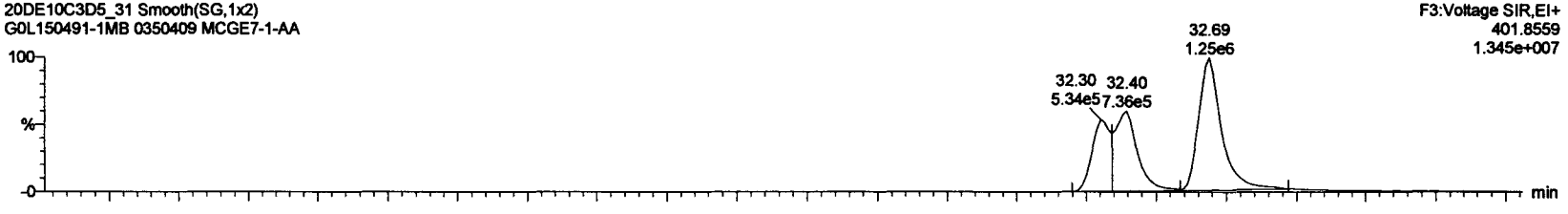
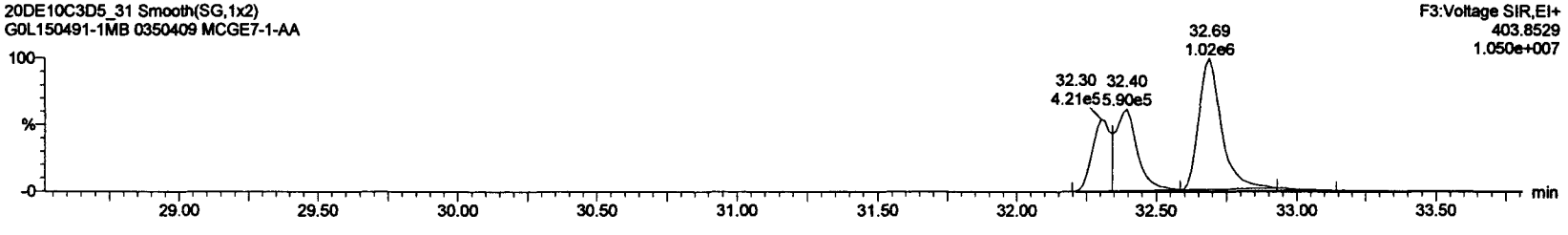
HxCDDs





13C-HxCDDs





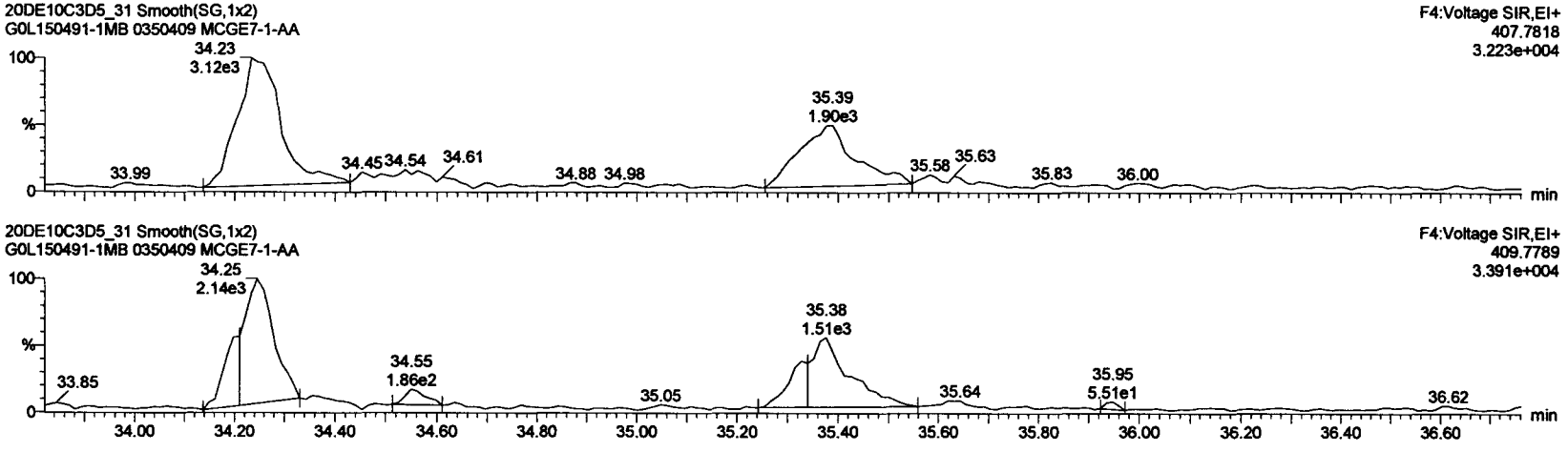
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

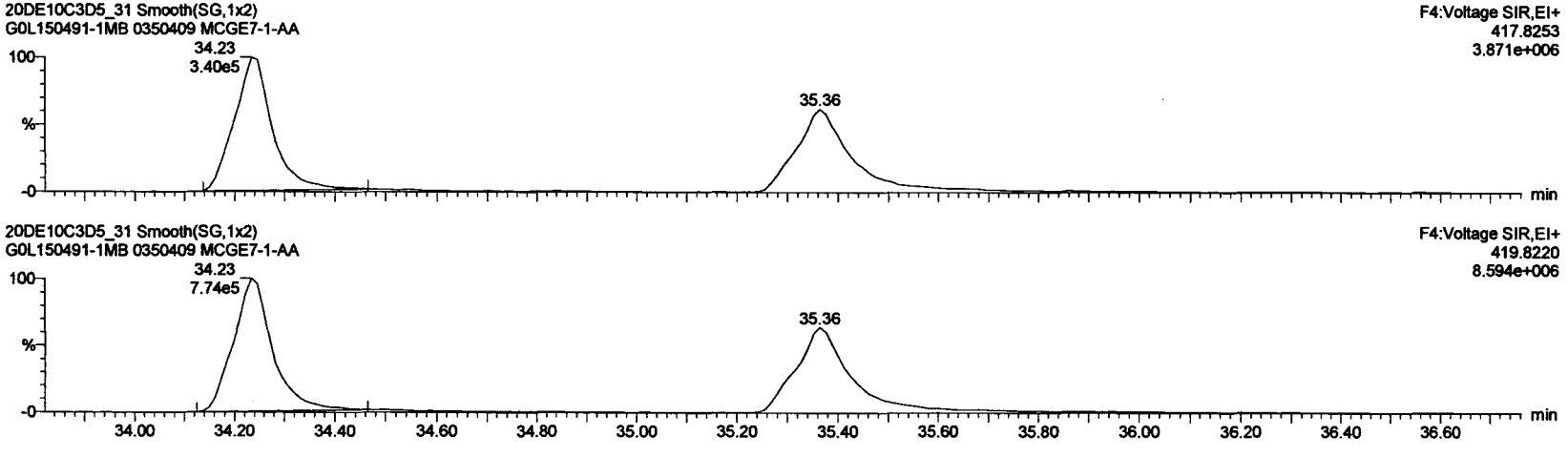
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

HpCDFs



13C-HpCDFs



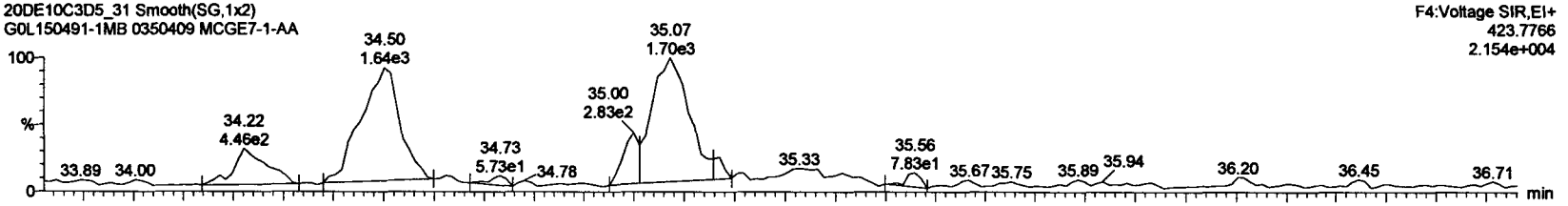
Quantify Sample Report **MassLynx 4.1**

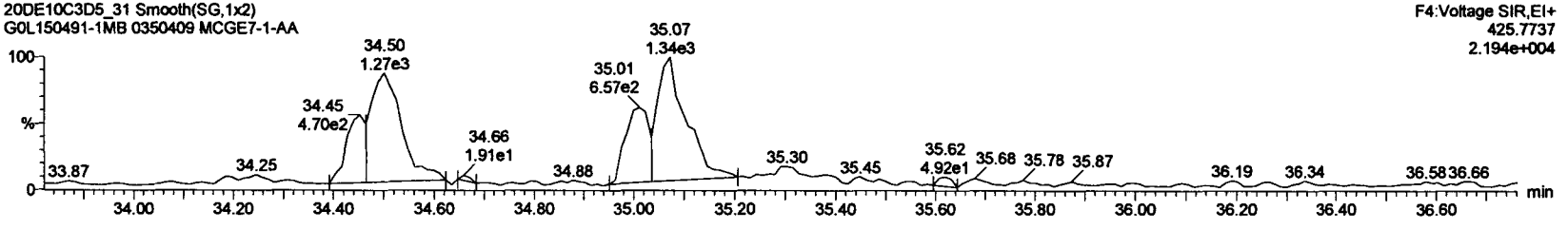
Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

HpCDDs





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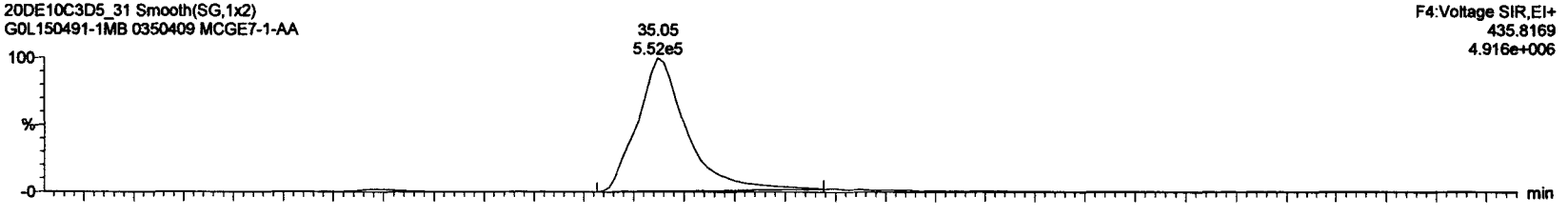
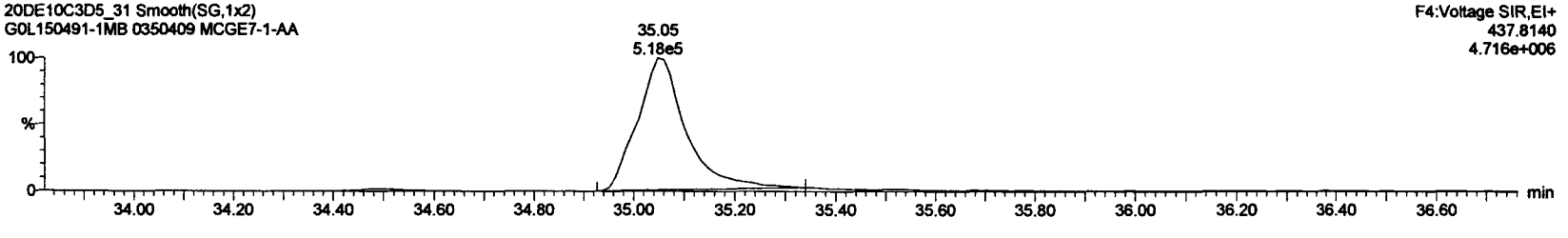




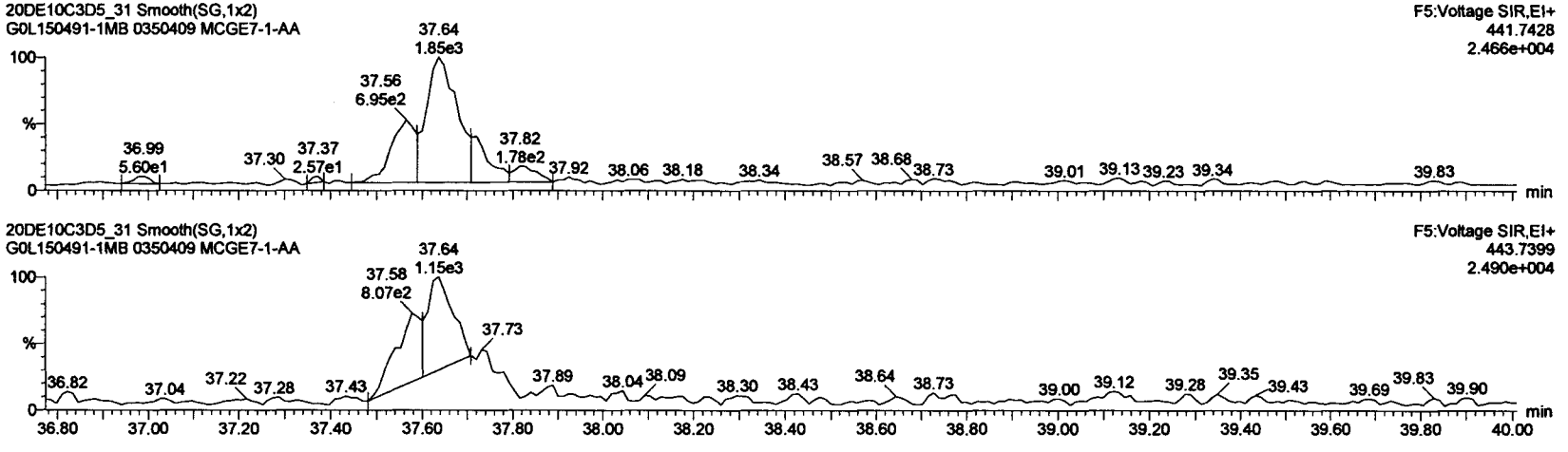
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

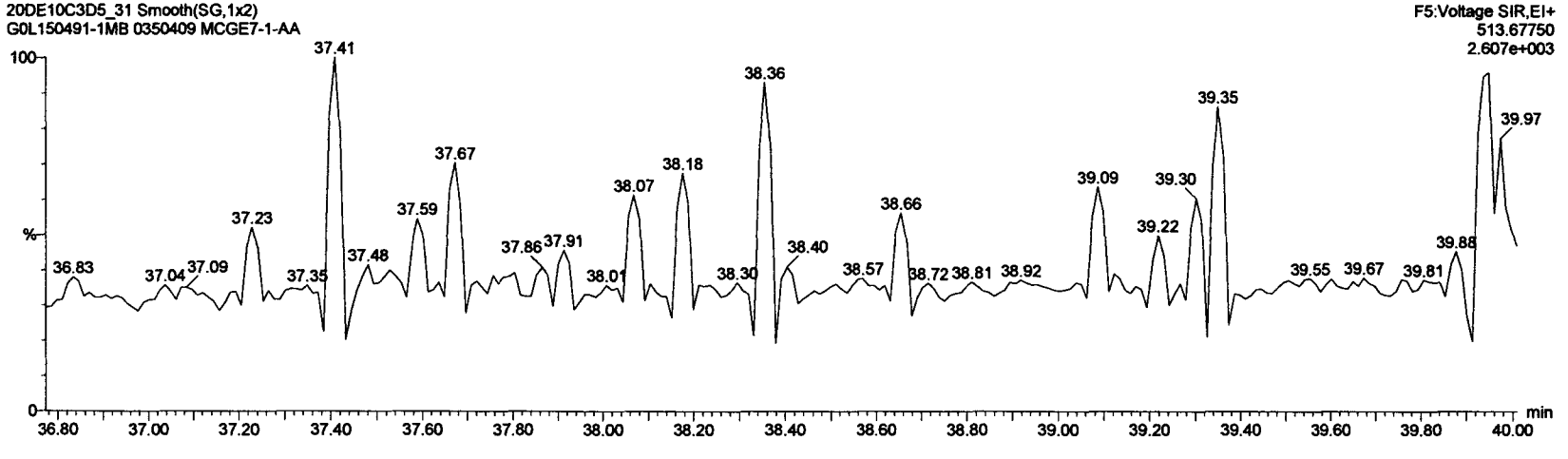
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

OCDFs



OCDF PCDPE



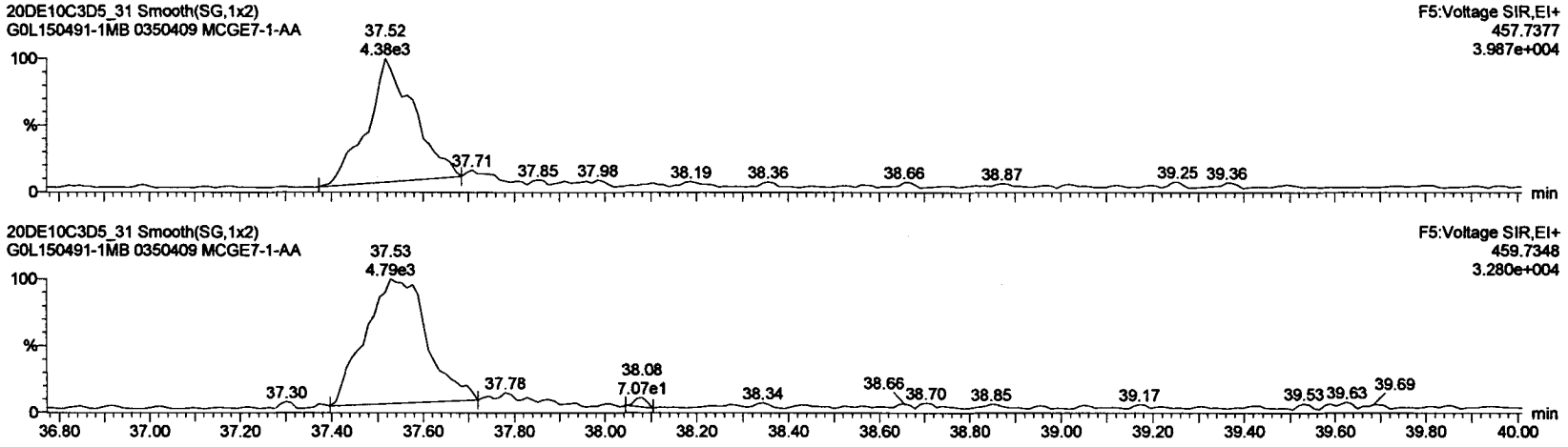
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

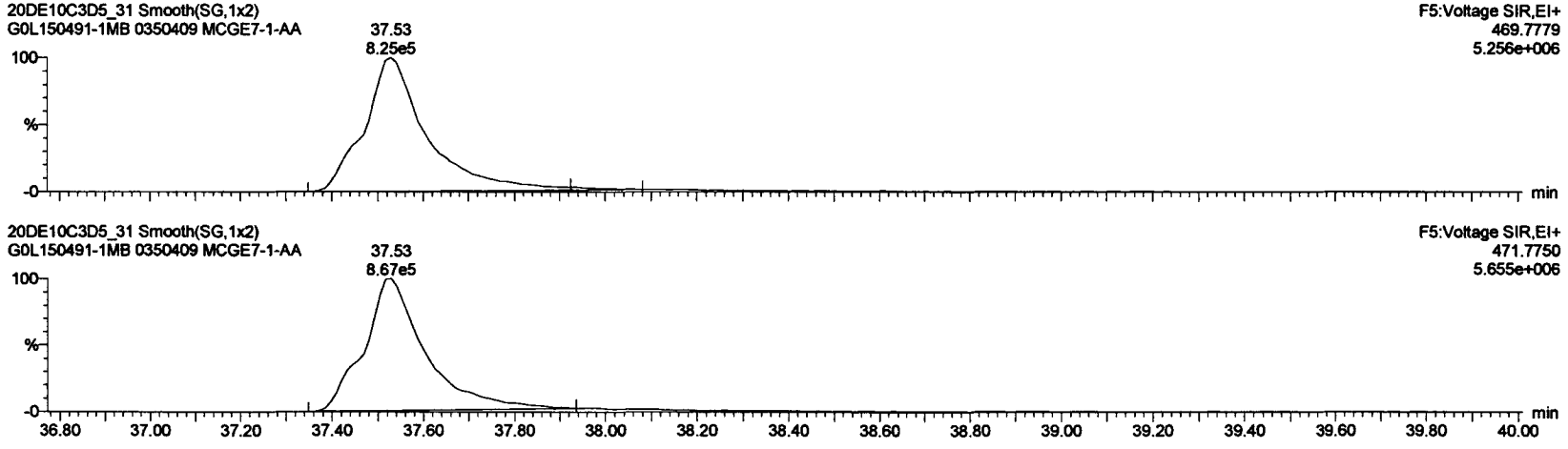
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

OCDD



13C-OCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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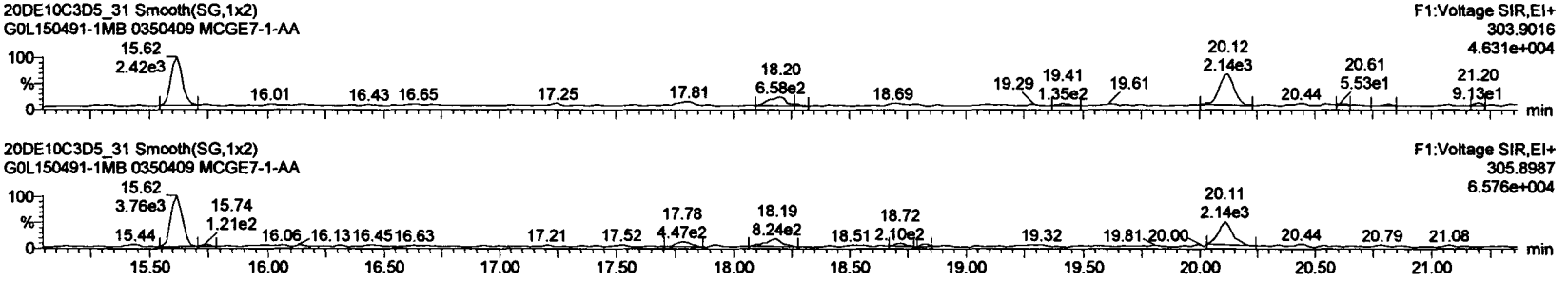
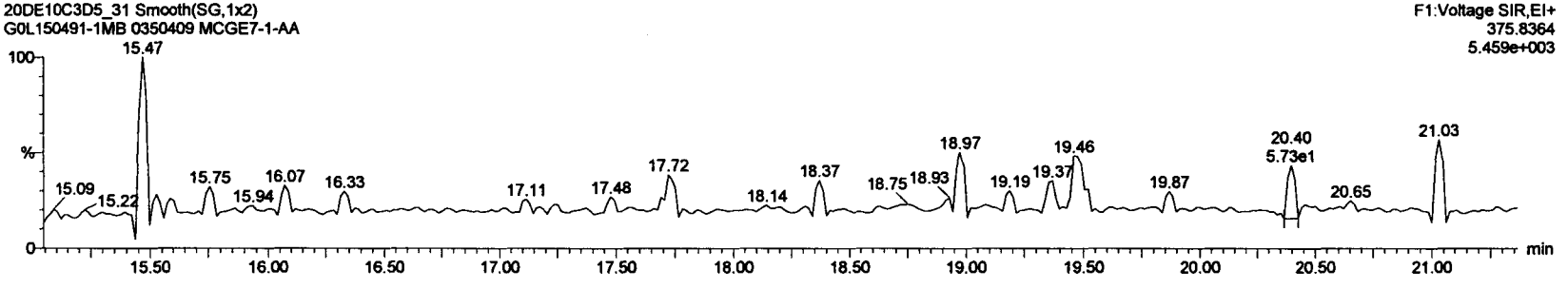
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

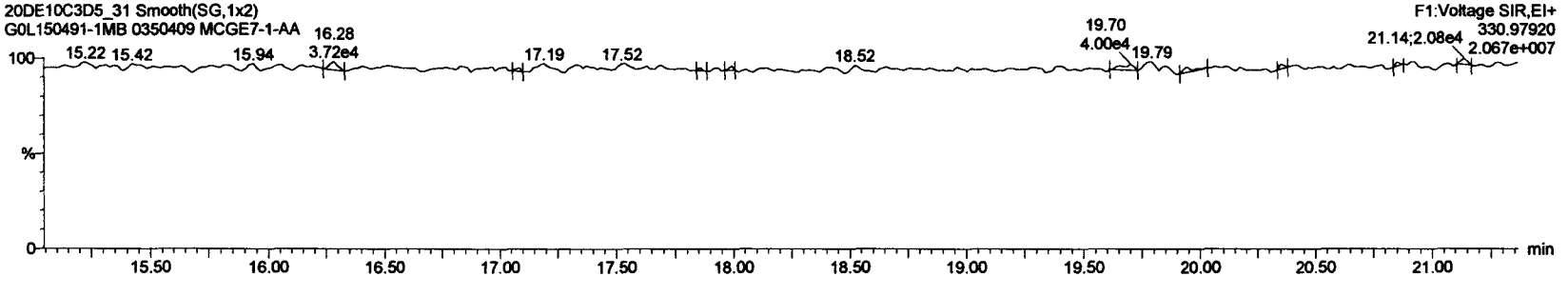
TCDFs



TCDF PCDPE



Function 1 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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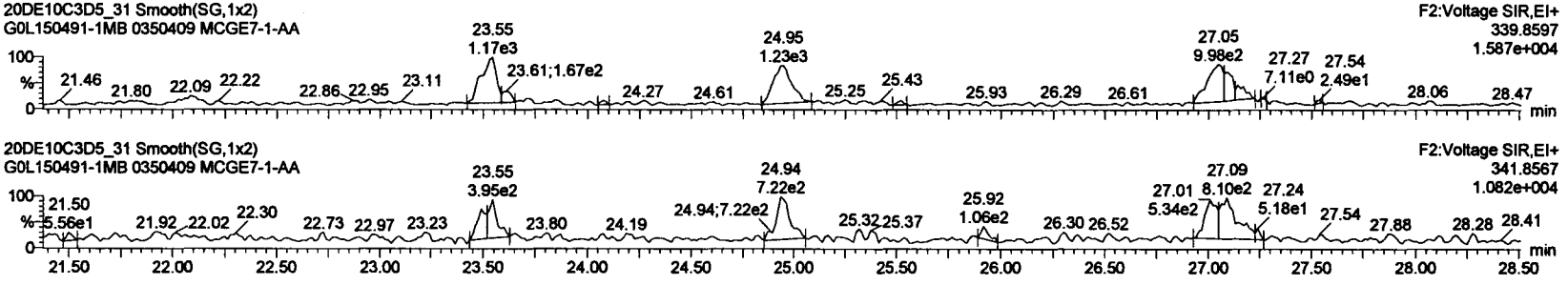
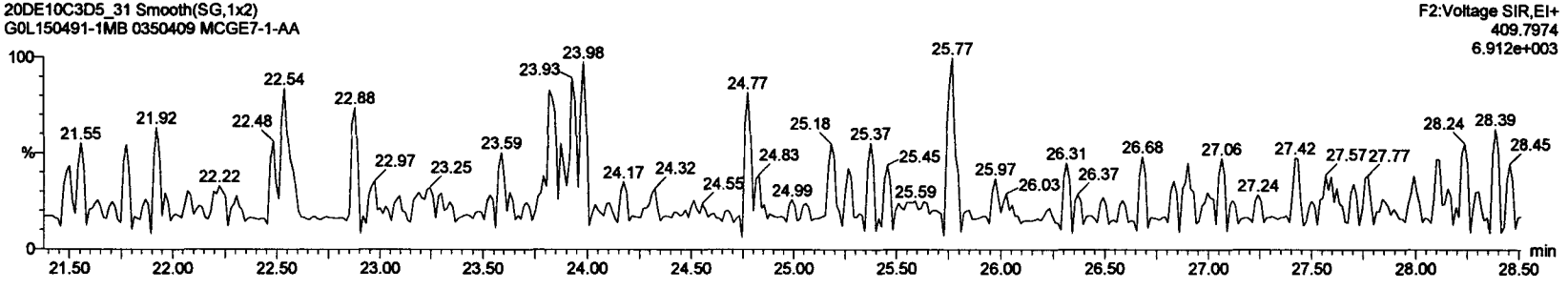
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

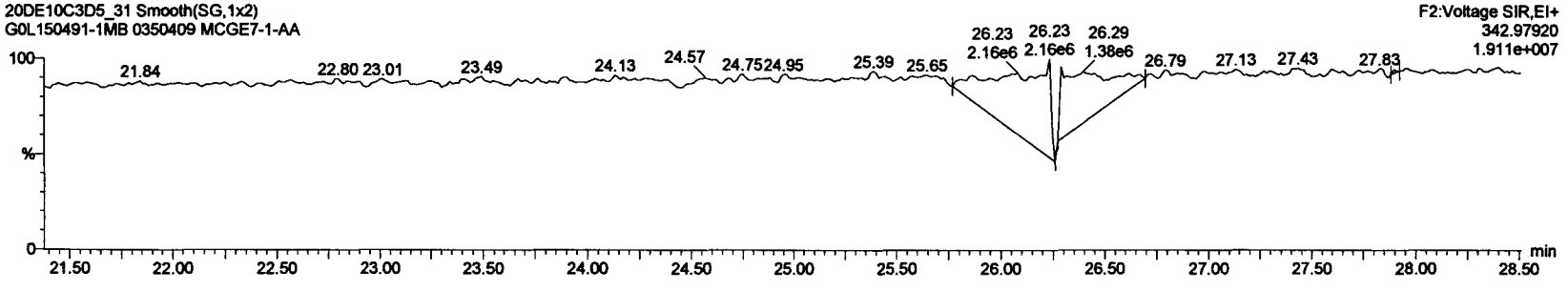
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



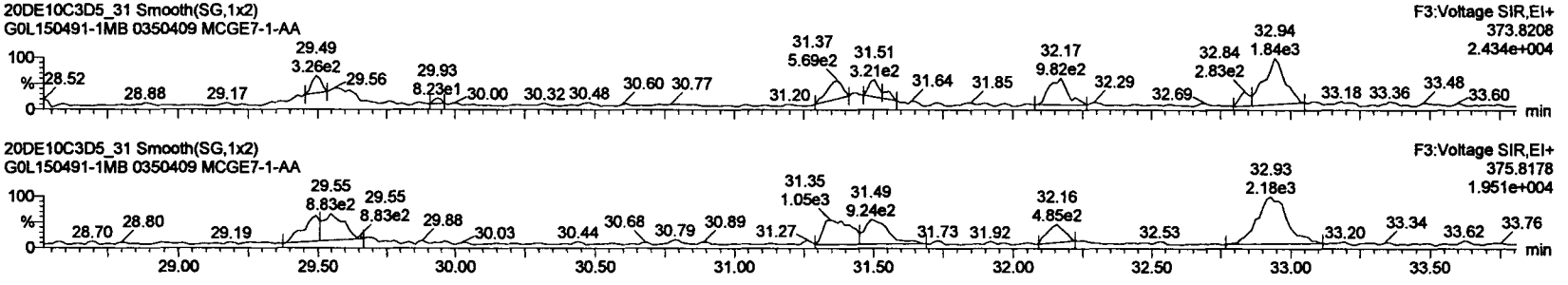
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

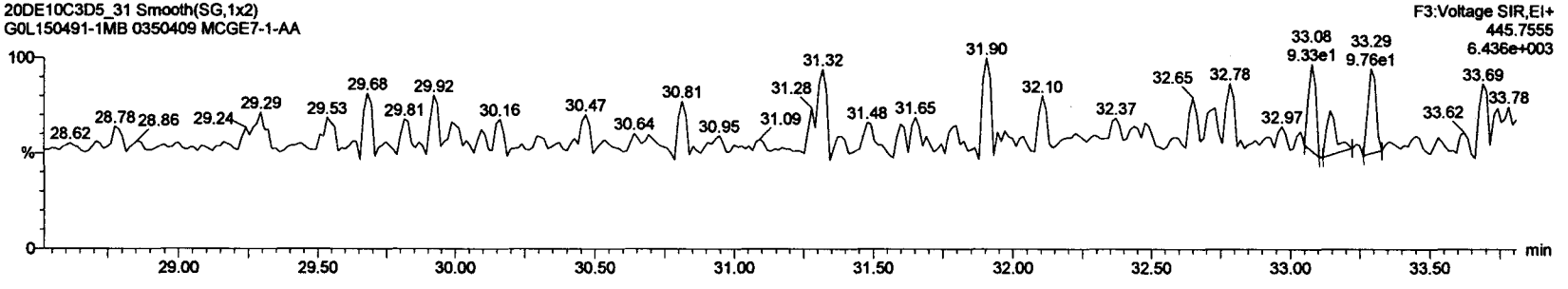
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

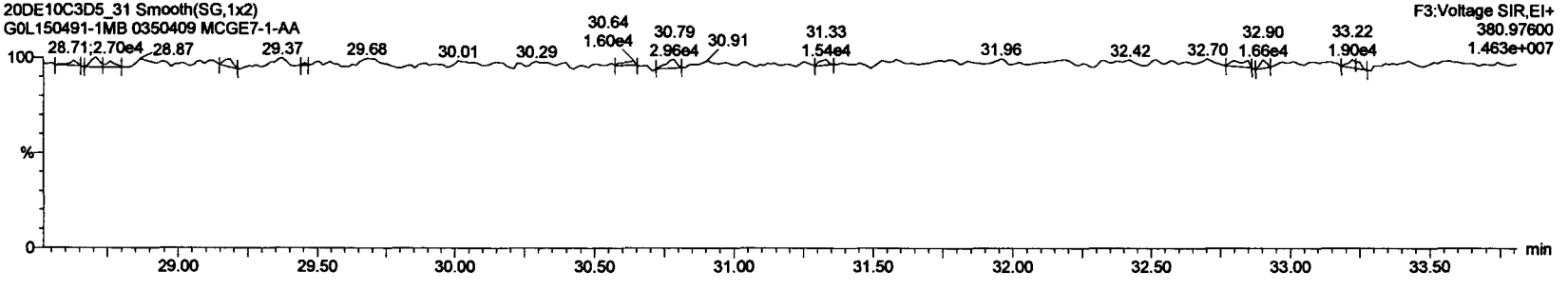
HxCDFs



HxCDF PCDPE



Function 3 PFK



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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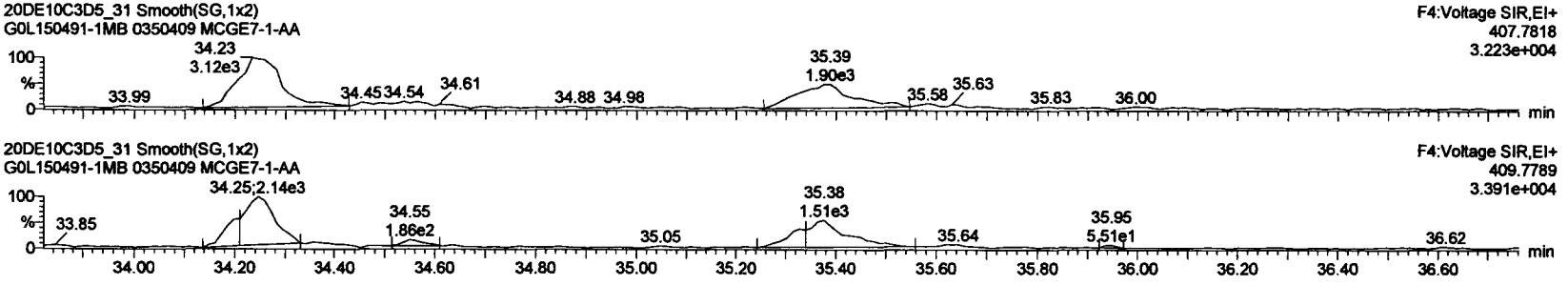
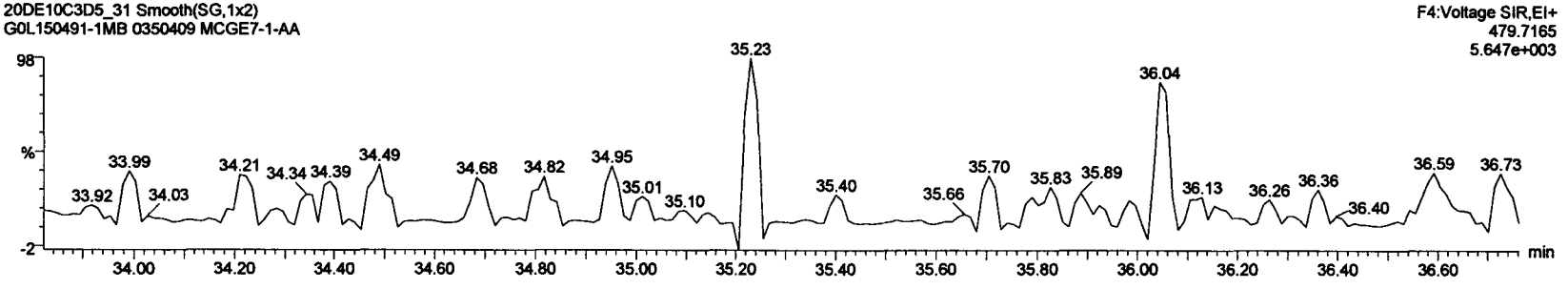
Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

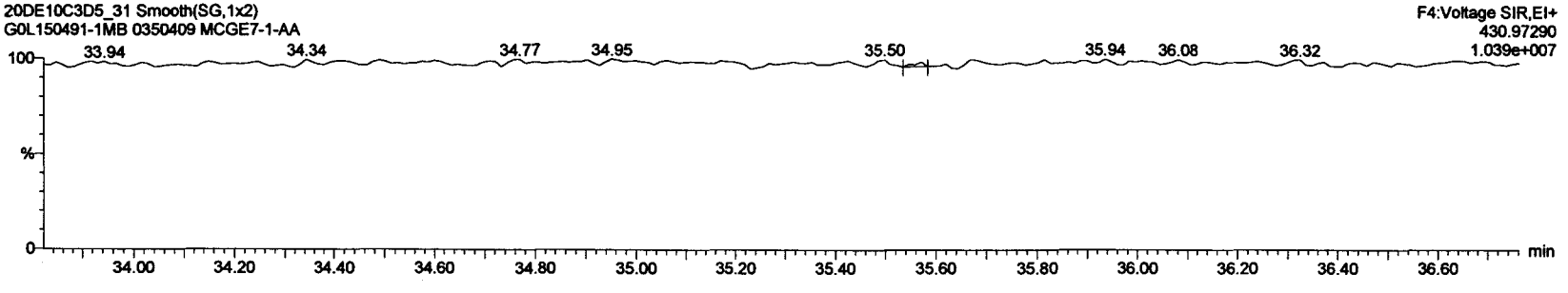
HpCDFs



HpCDF PCDPE



Function 4 PFK



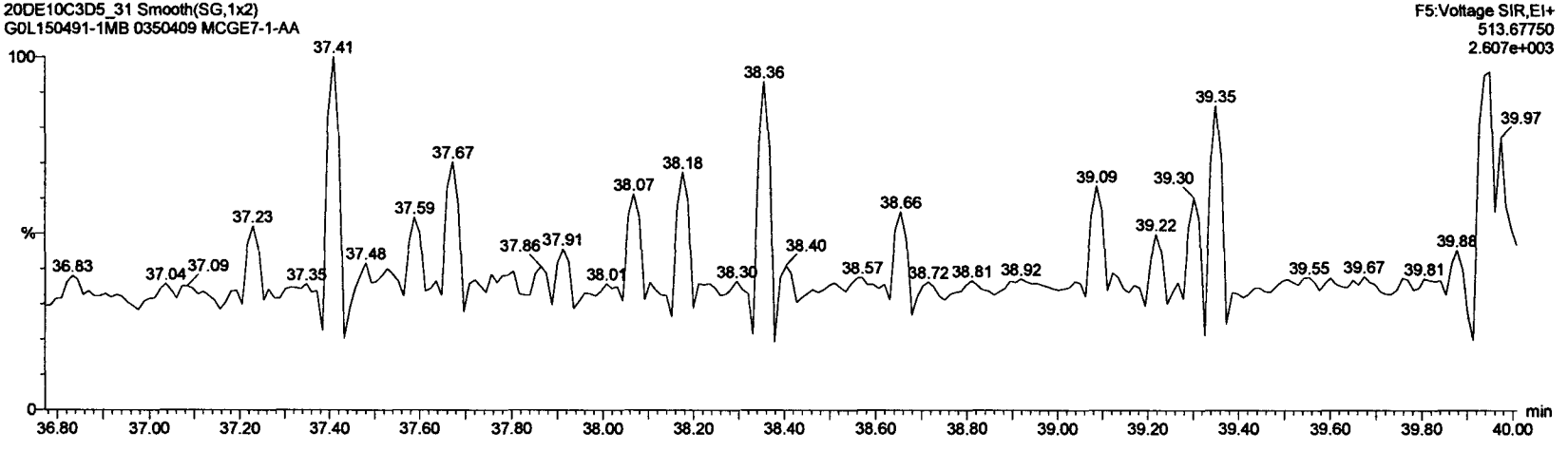
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

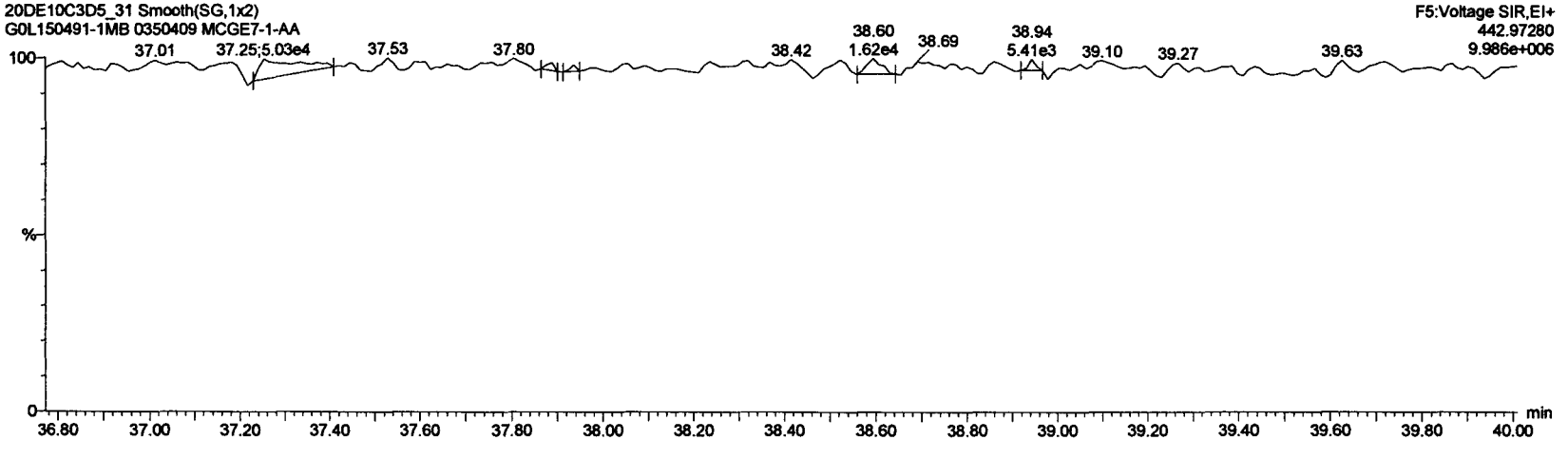
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_31, Date: 21-Dec-2010, Time: 15:22:06, ID: MCGE7-1-AA, Description: G0L150491-1MB 0350409

OCDF PCDPE



Function 5 PFK



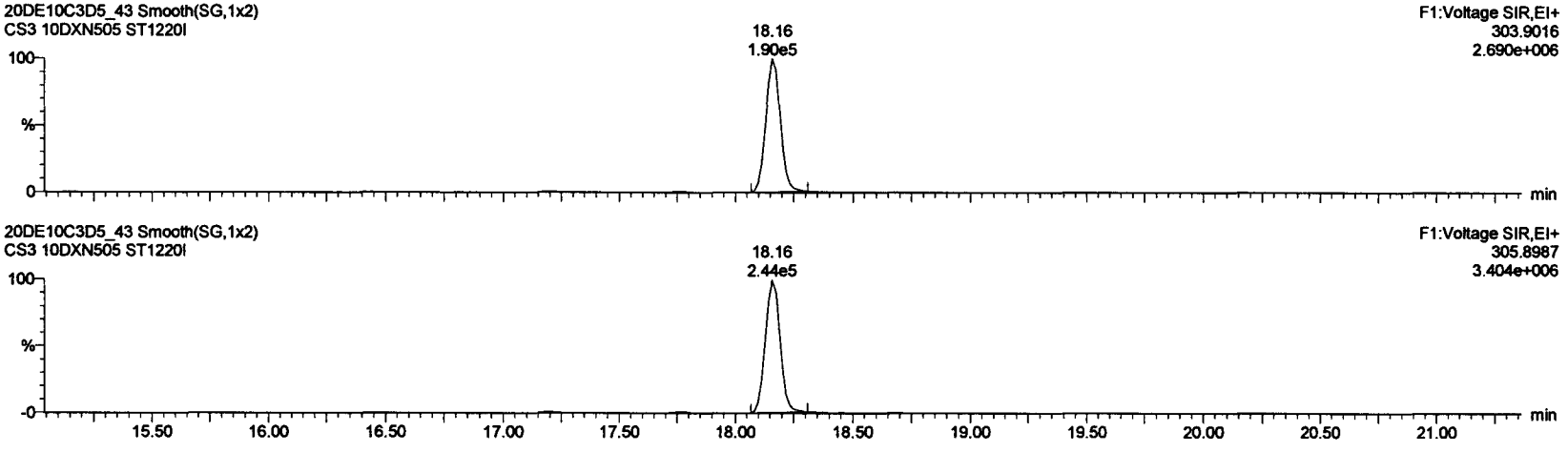
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

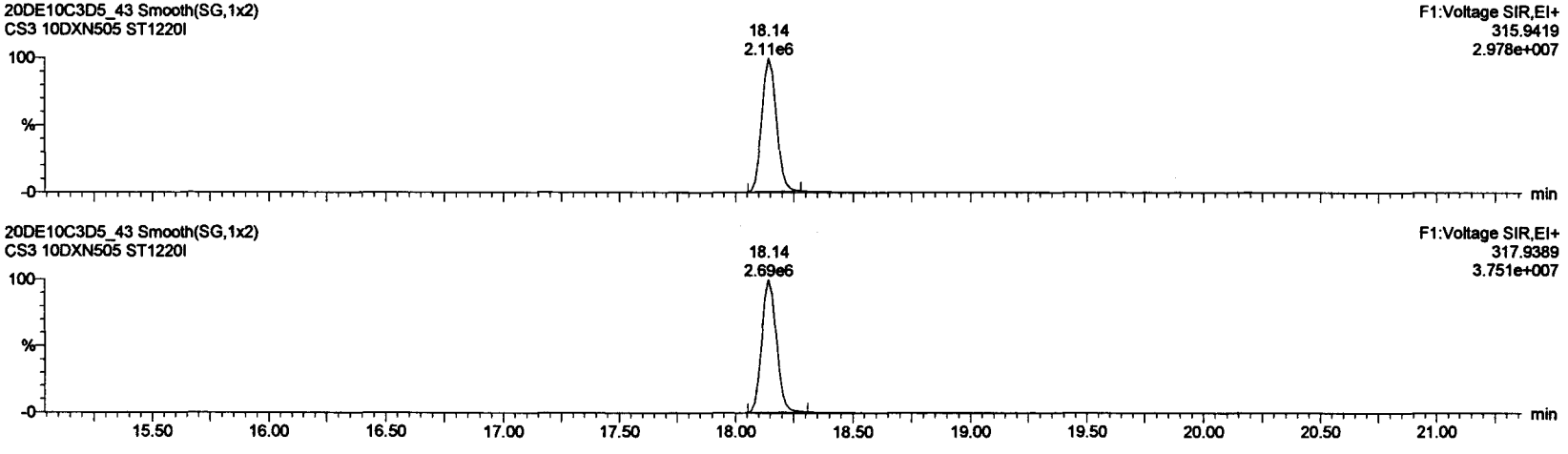
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

TCDFs



13C-TCDF



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

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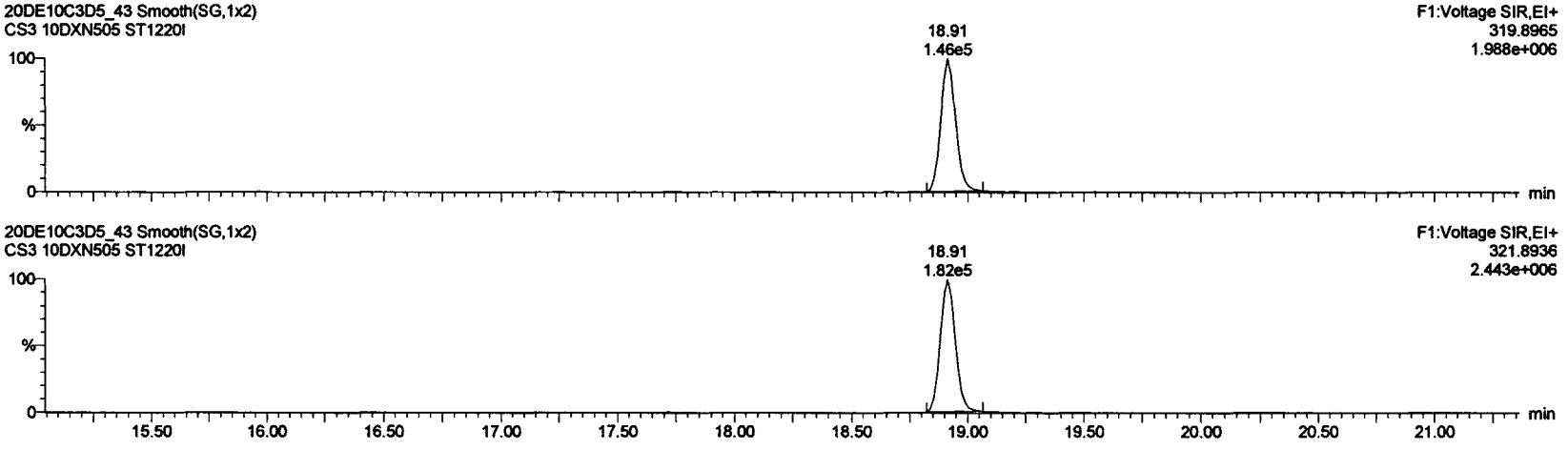
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

TCDDs



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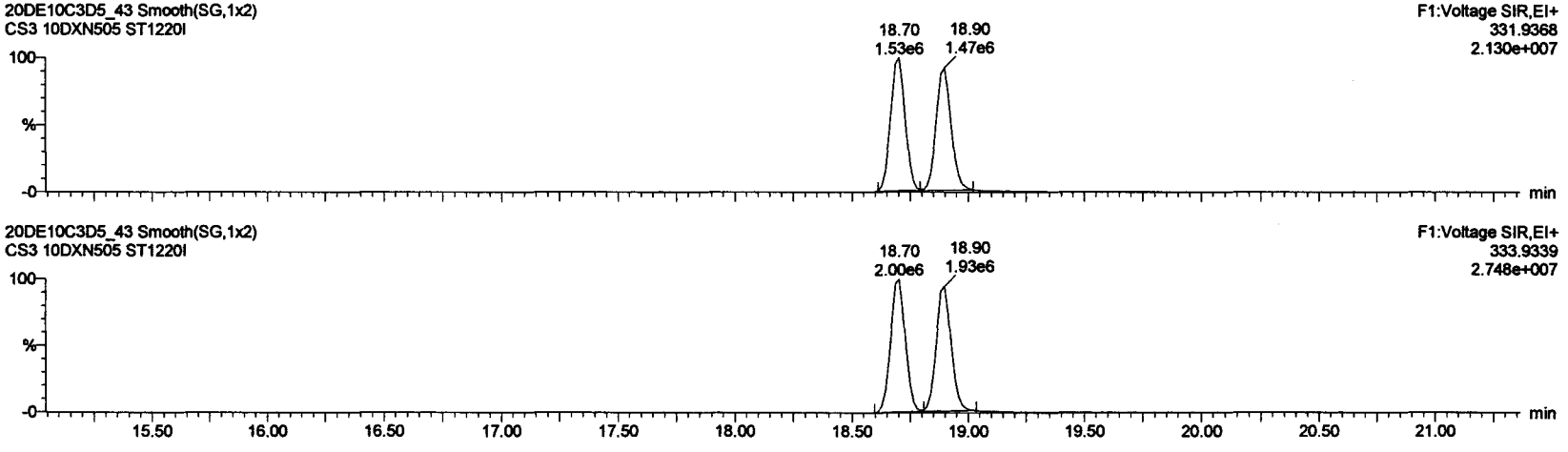

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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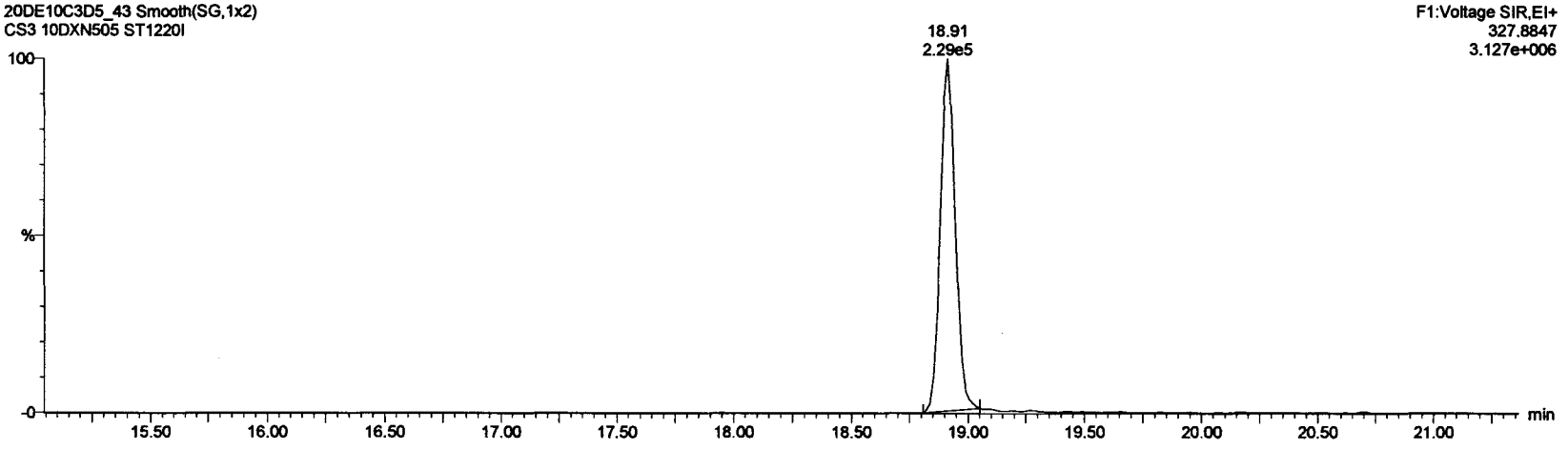
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

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



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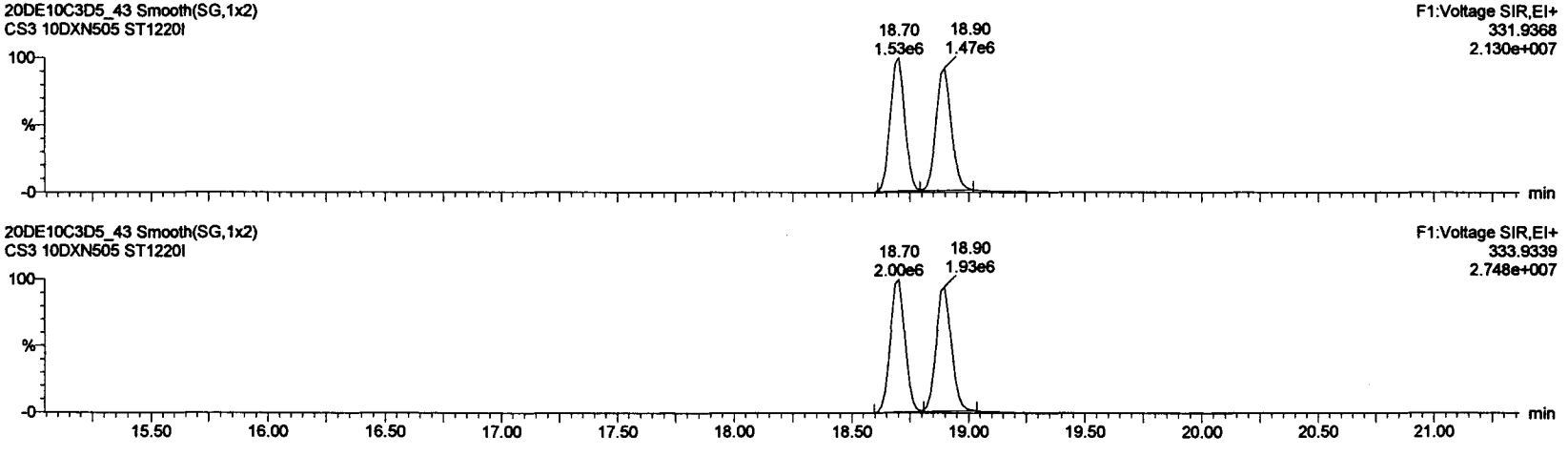

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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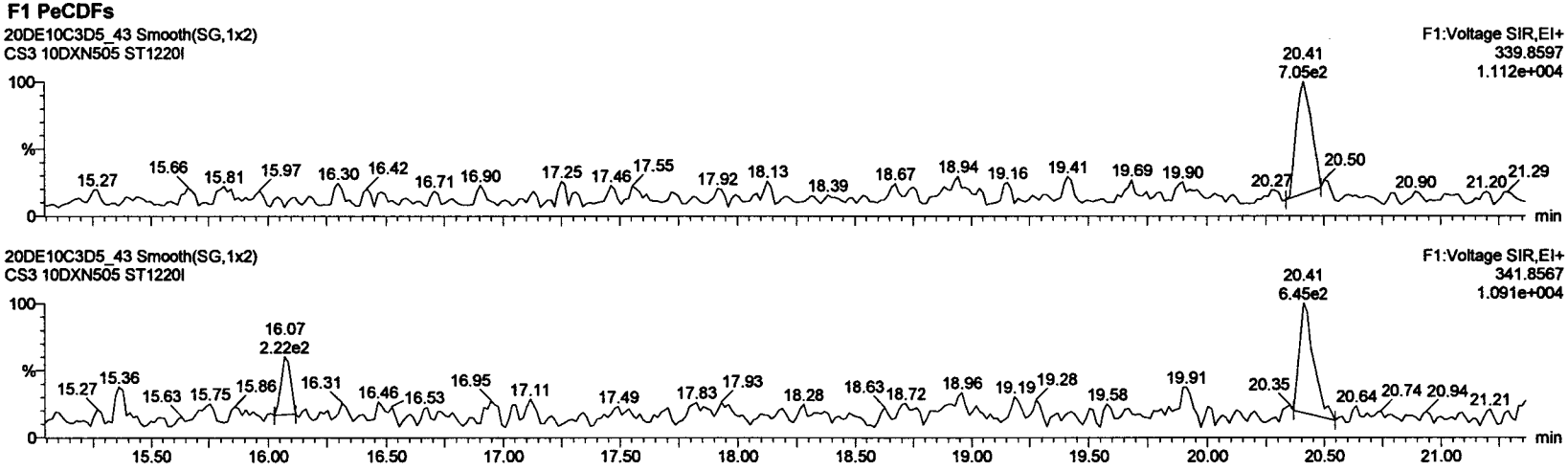
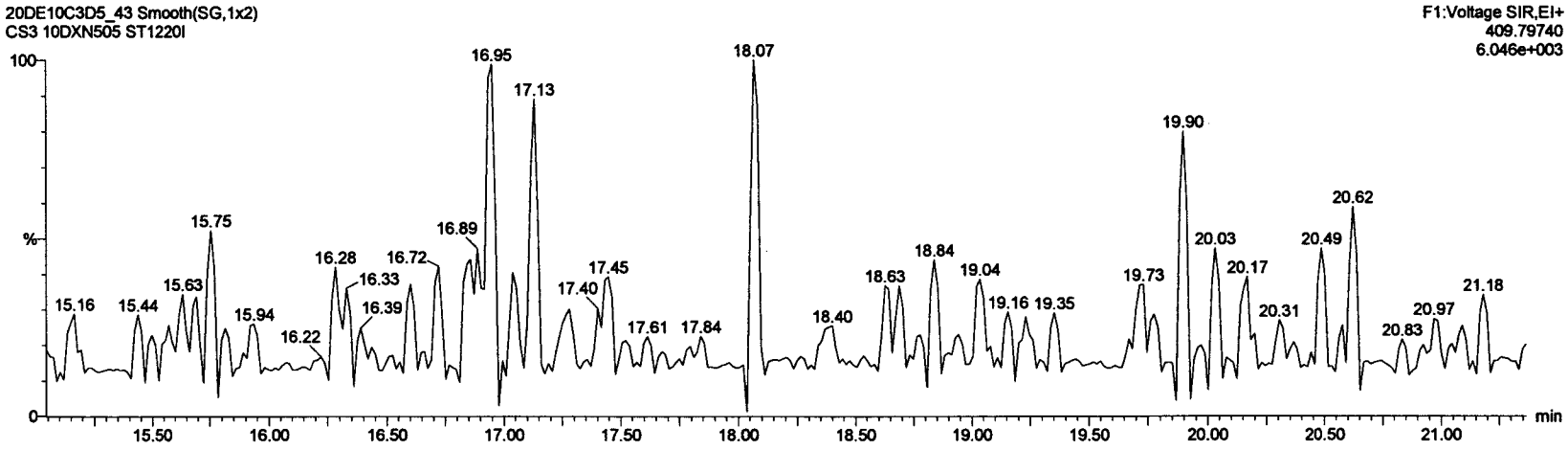
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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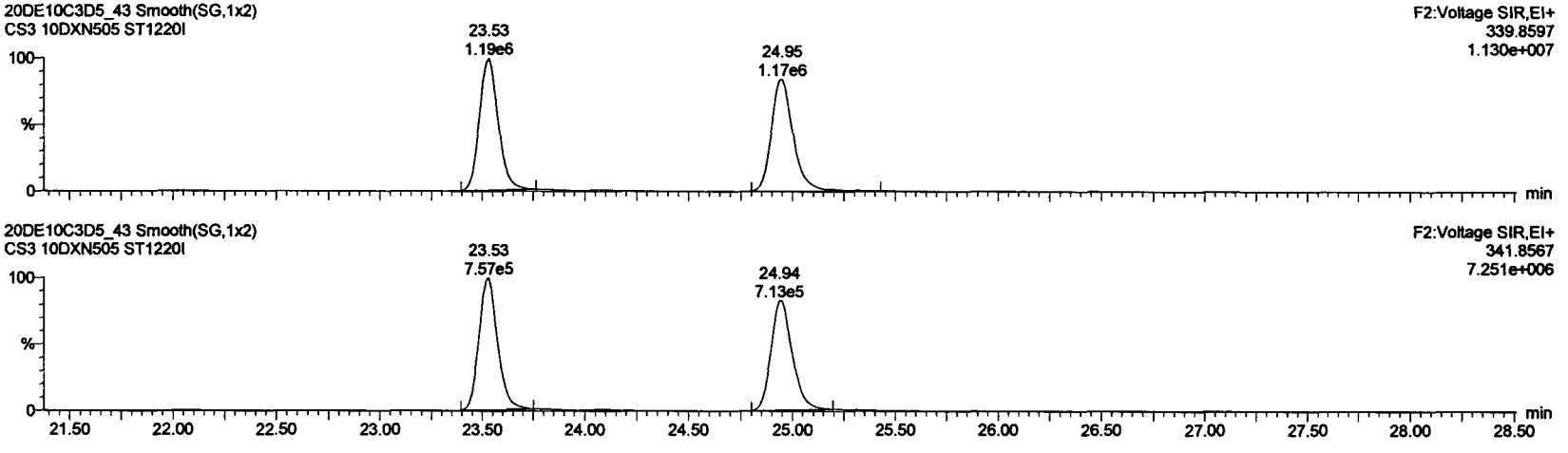
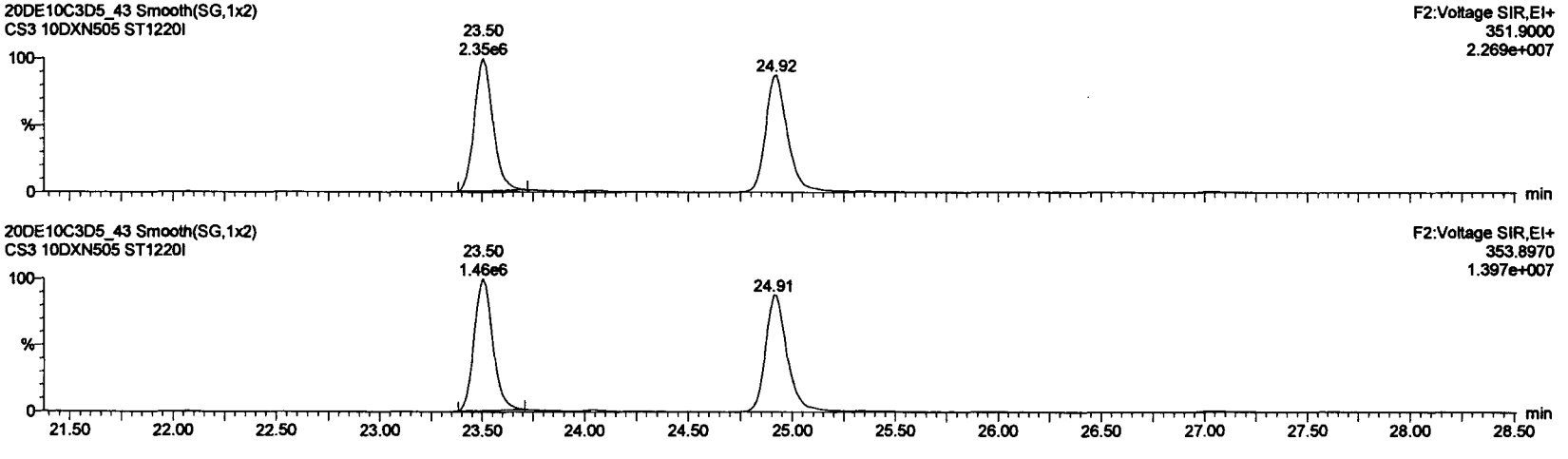
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

PeCDFs



13C-PeCDFs



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Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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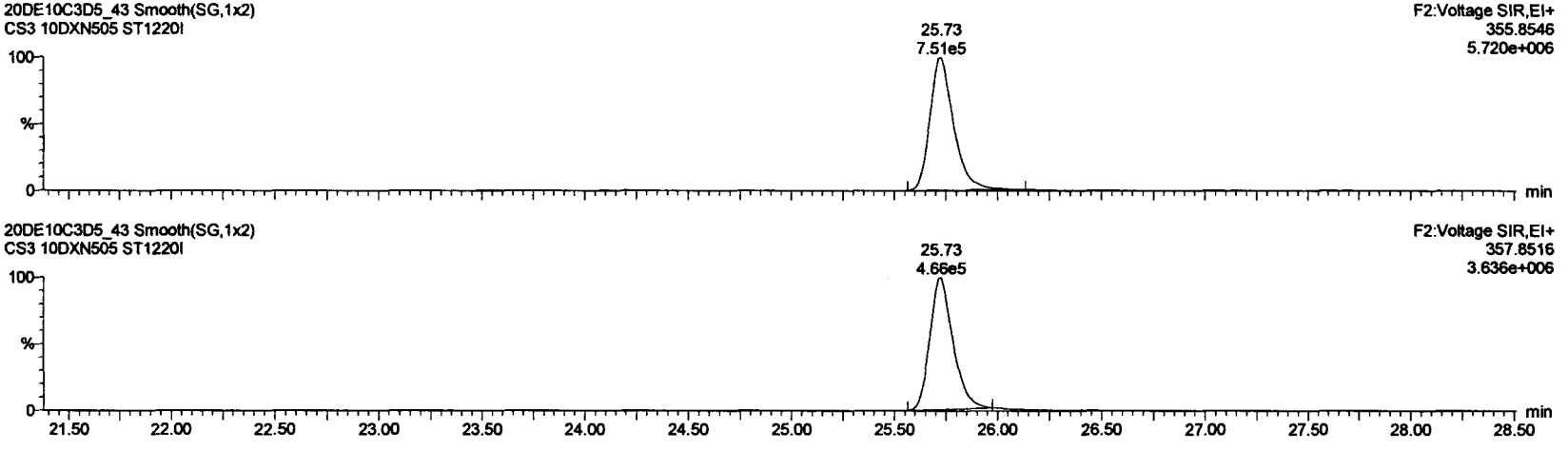
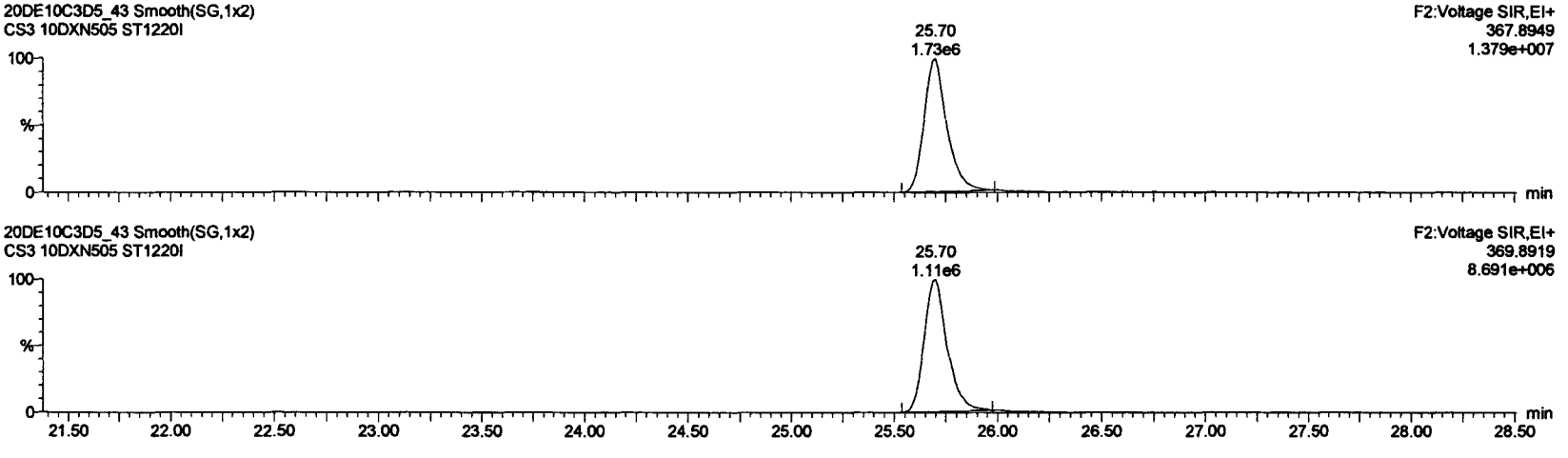
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

PeCDDs



13C-PeCDD



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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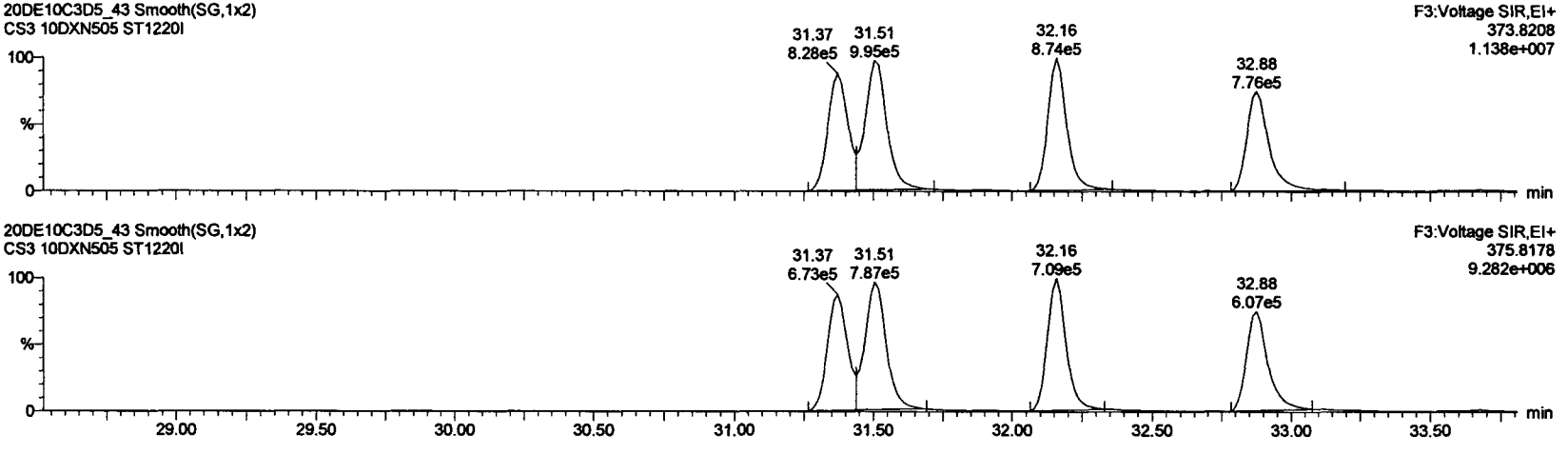
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

HxCDFs



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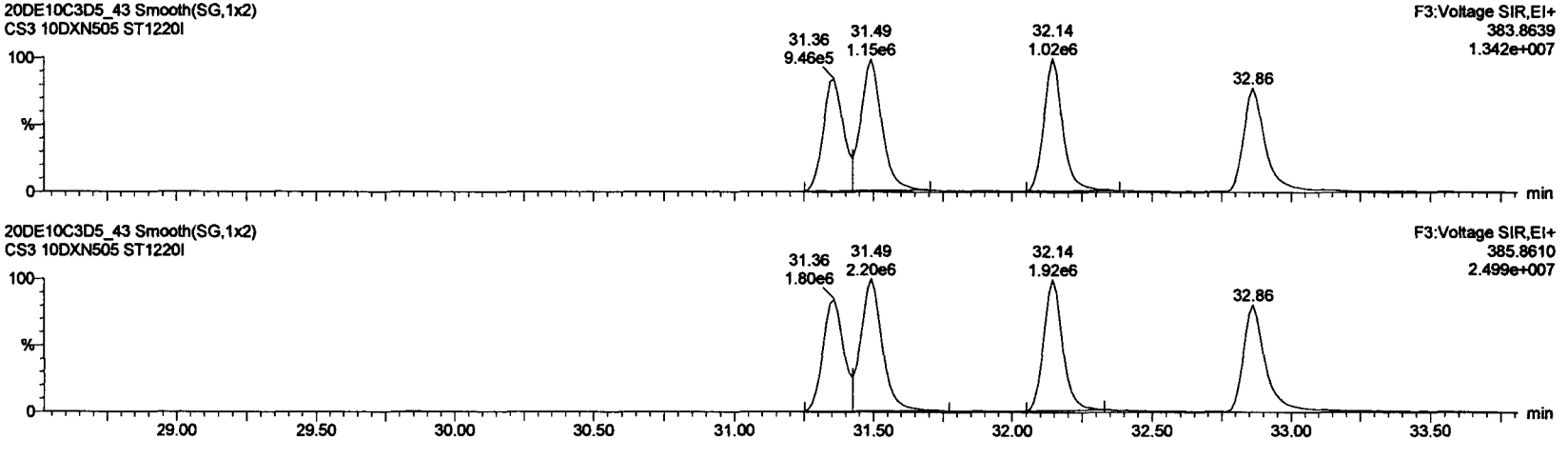

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Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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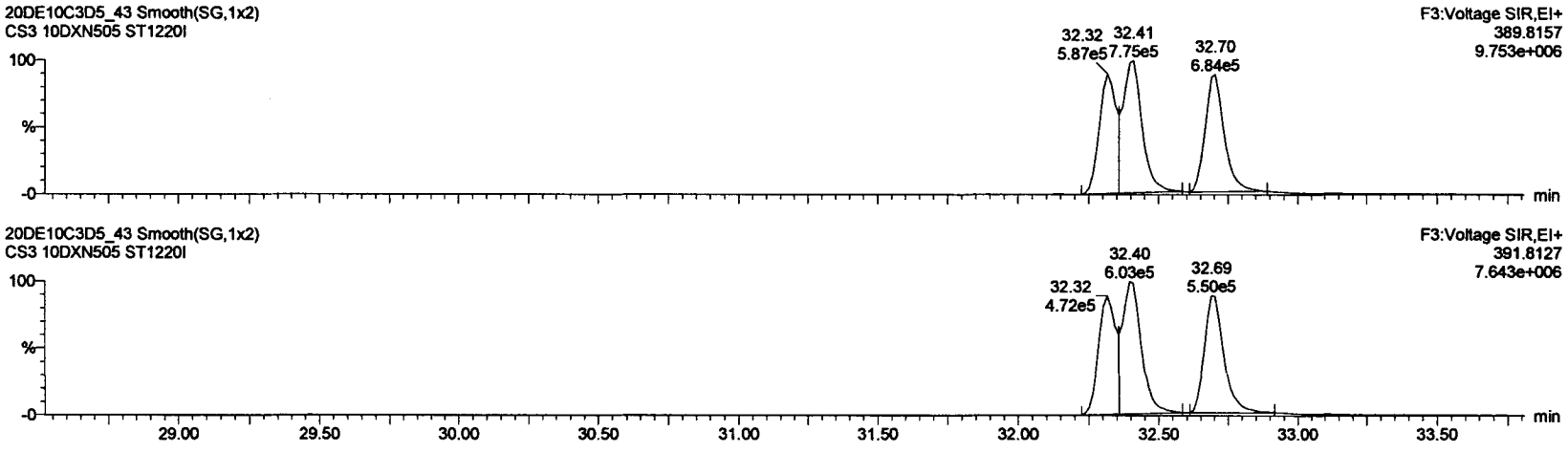
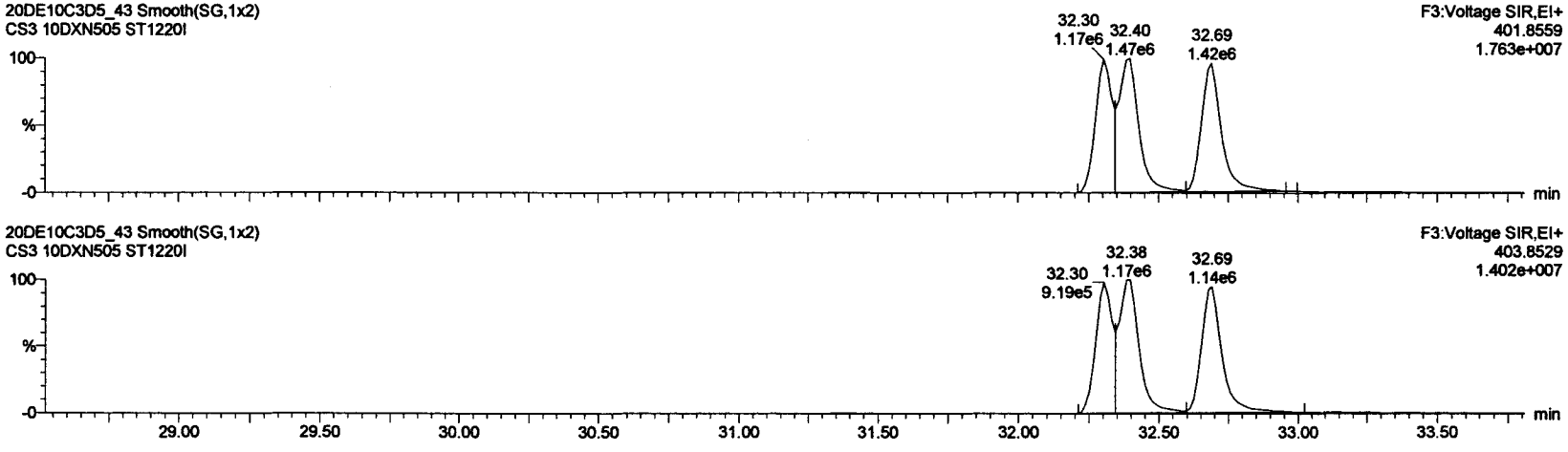
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

HxCDDs



13C-HxCDDs



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Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
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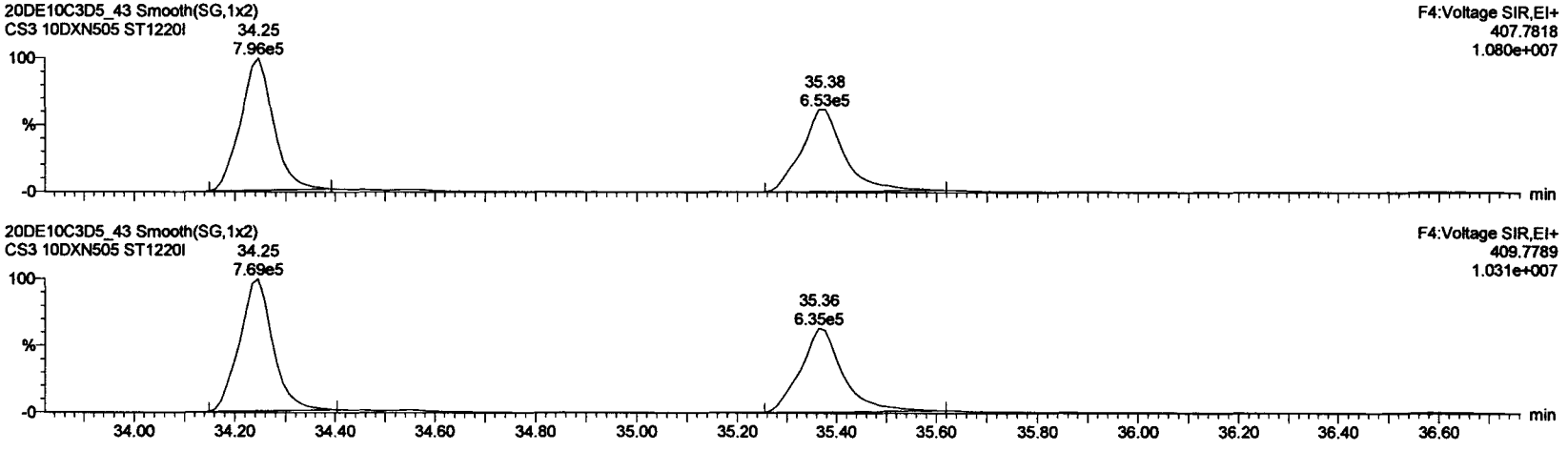
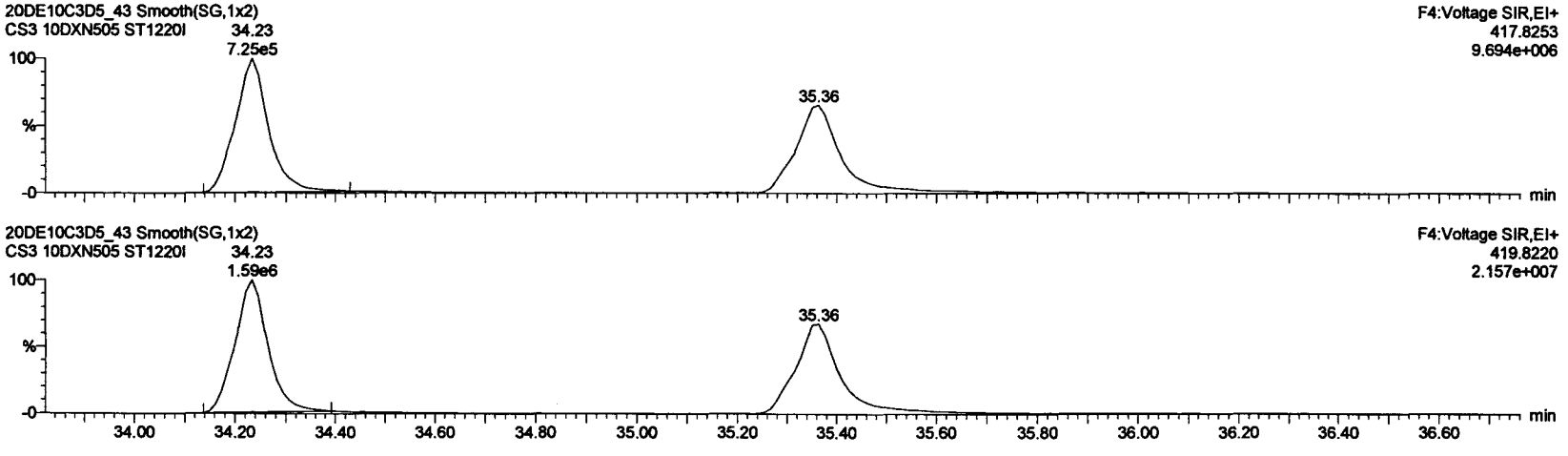
Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

HpCDFs



13C-HpCDFs



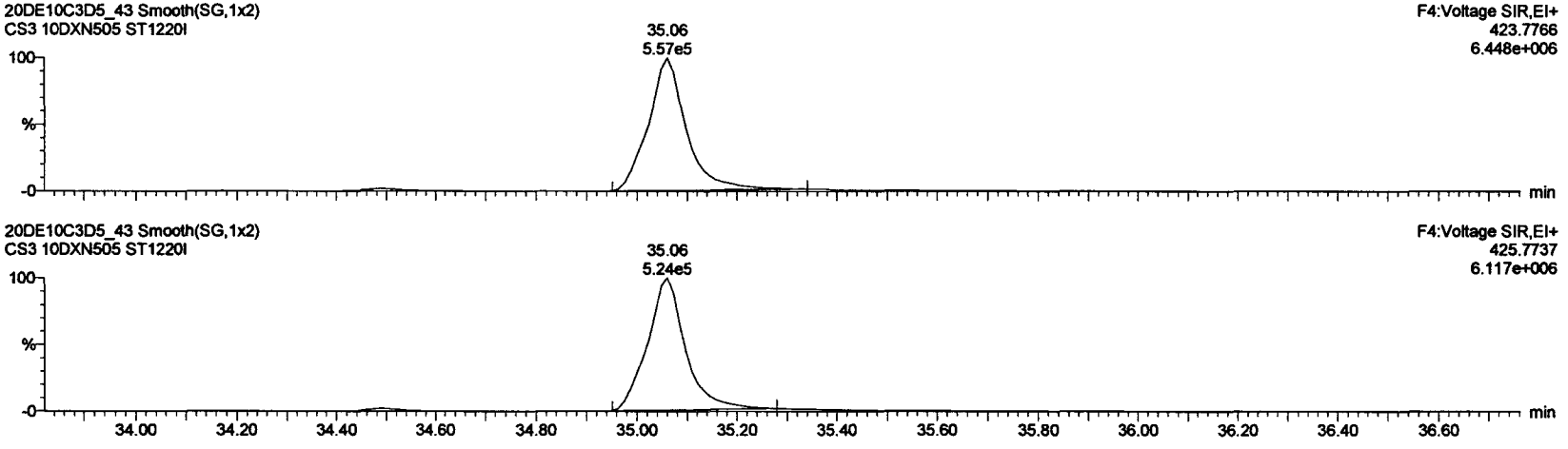
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

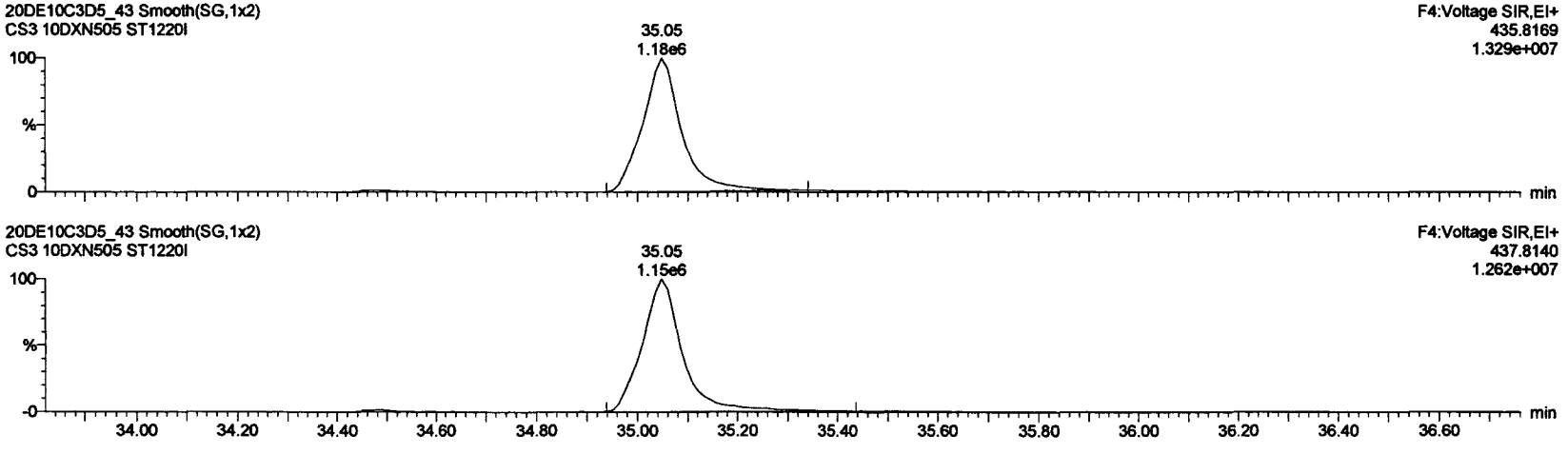
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

HpCDDs



13C-HpCDD



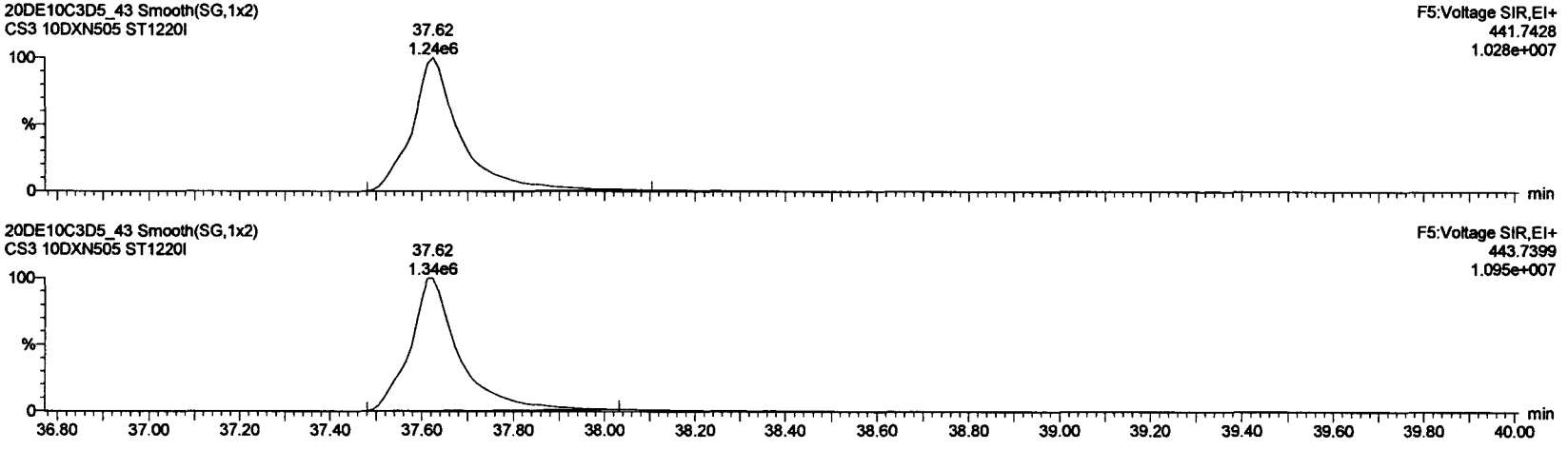
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

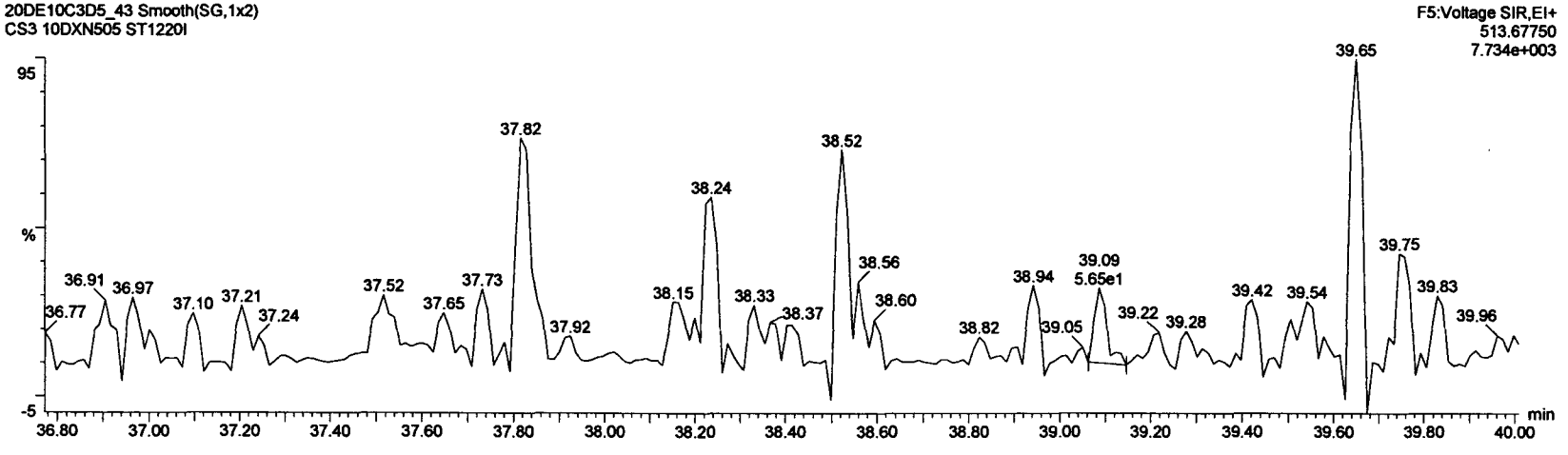
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

OCDFs



OCDF PCDPE



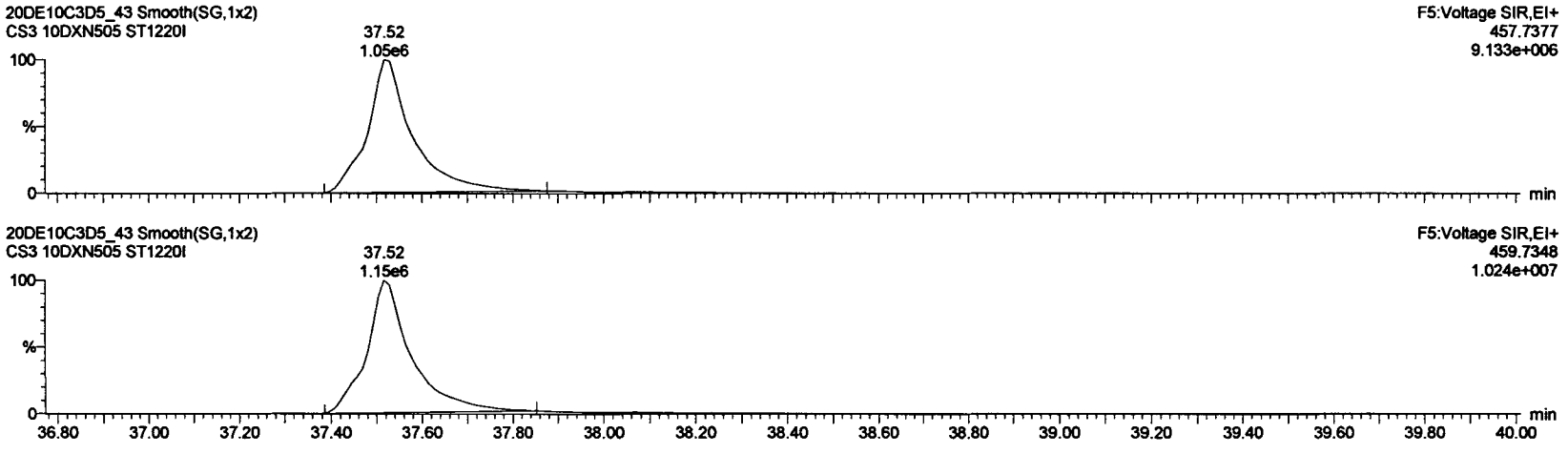
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

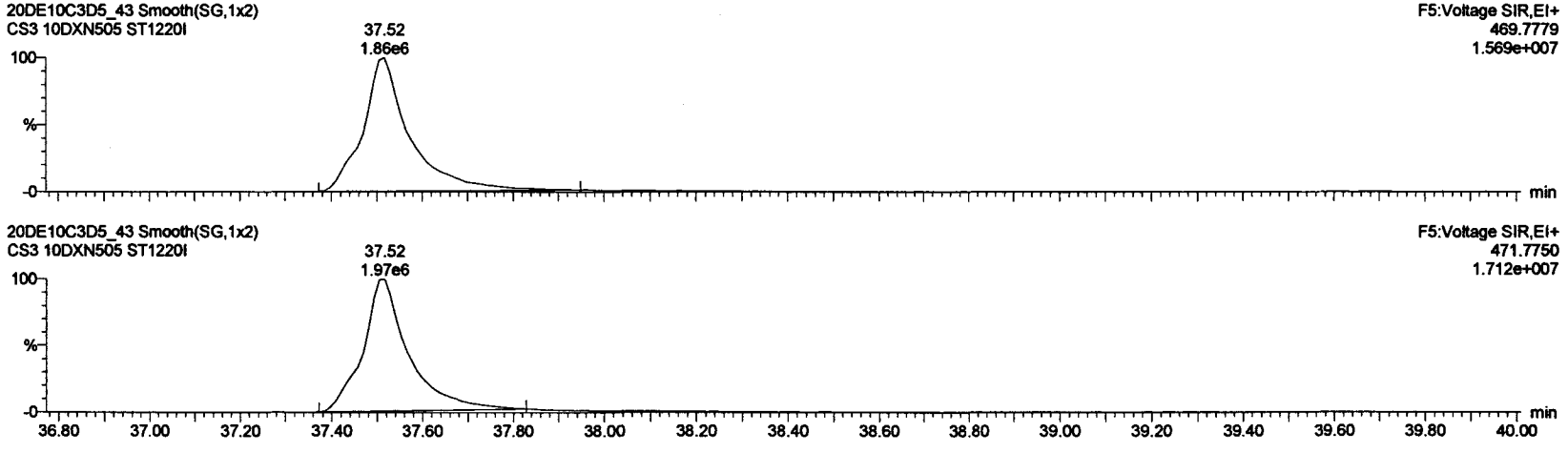
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

OCDD



13C-OCDD



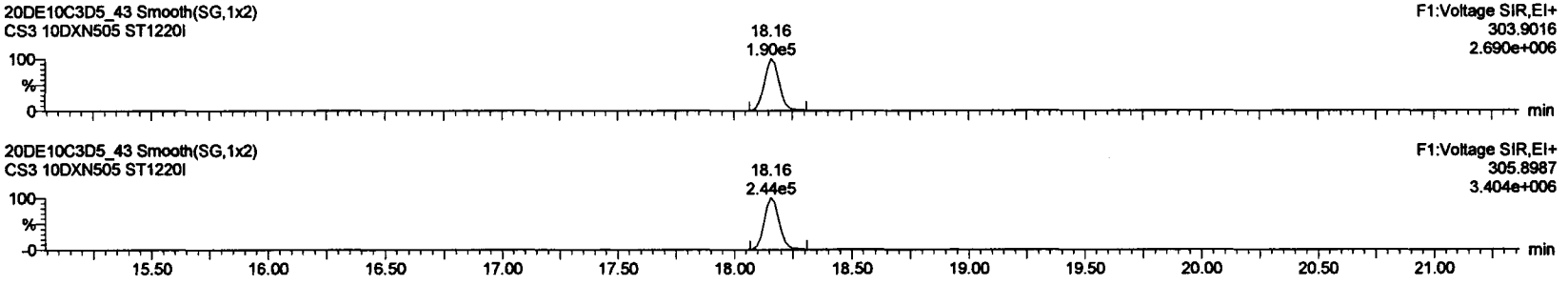
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

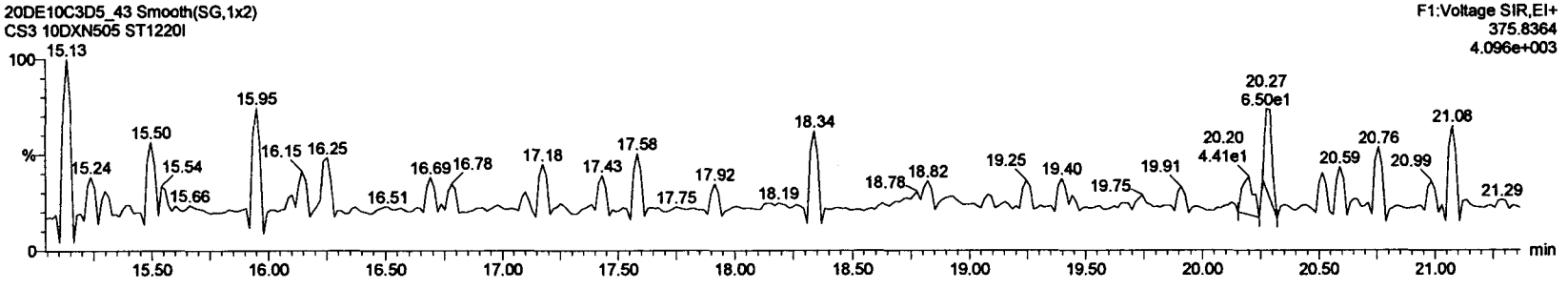
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

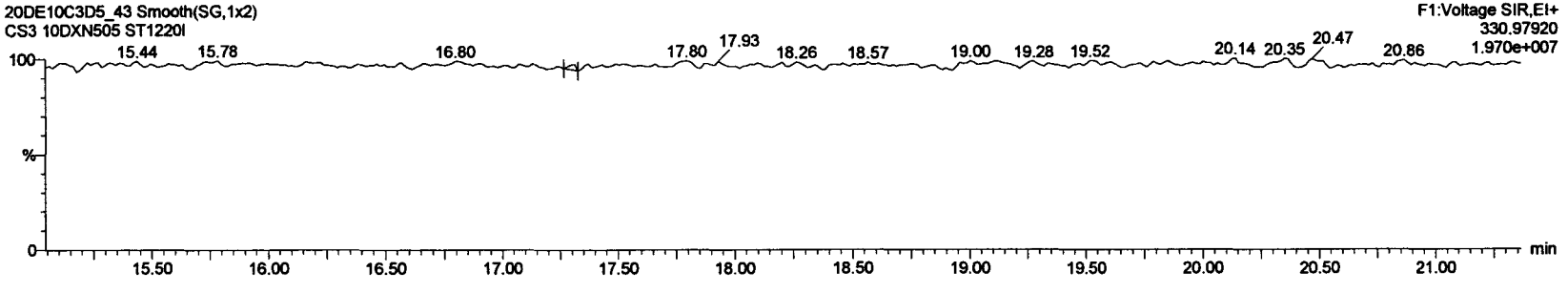
TCDFs



TCDF PCDPE



Function 1 PFK



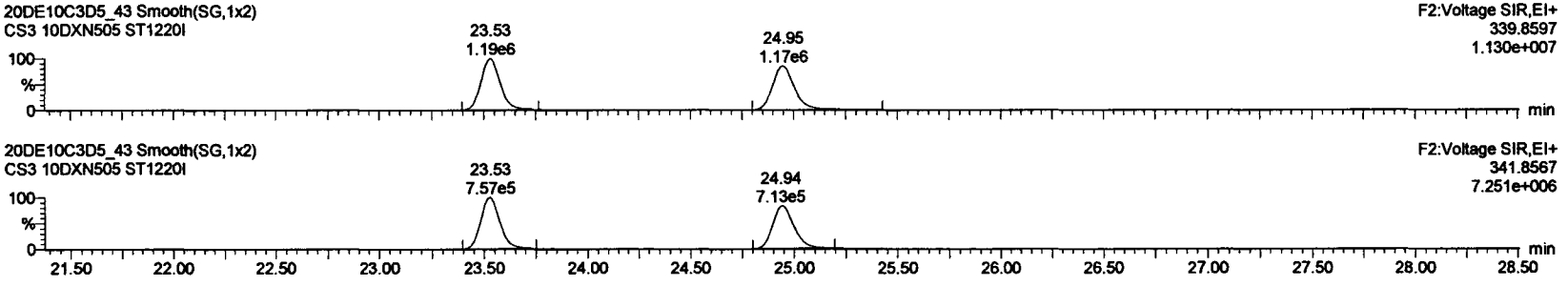
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

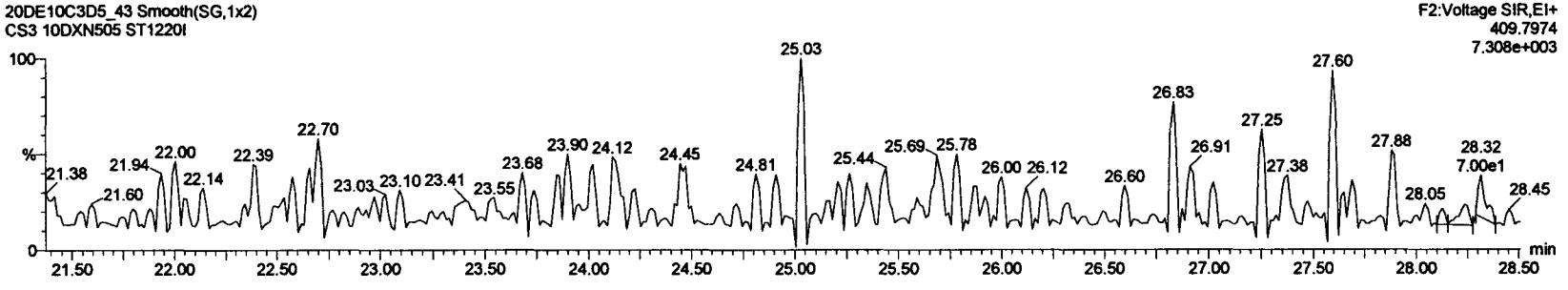
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

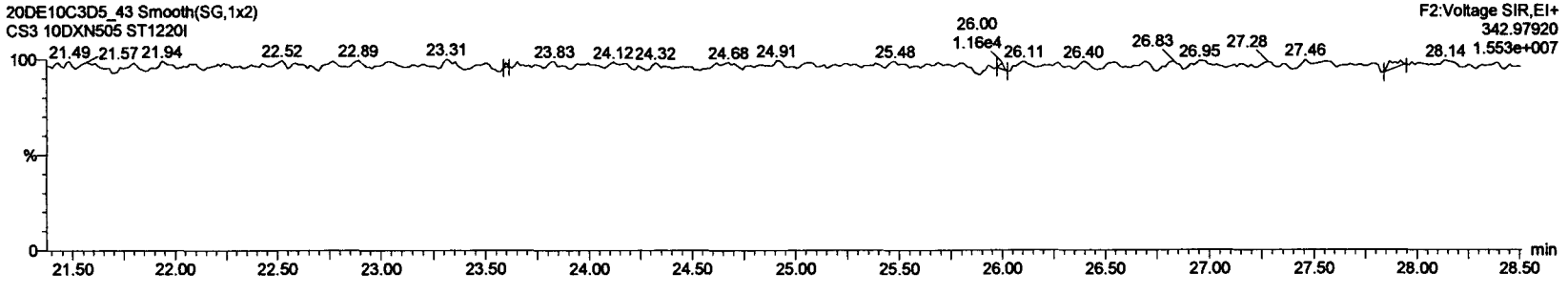
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



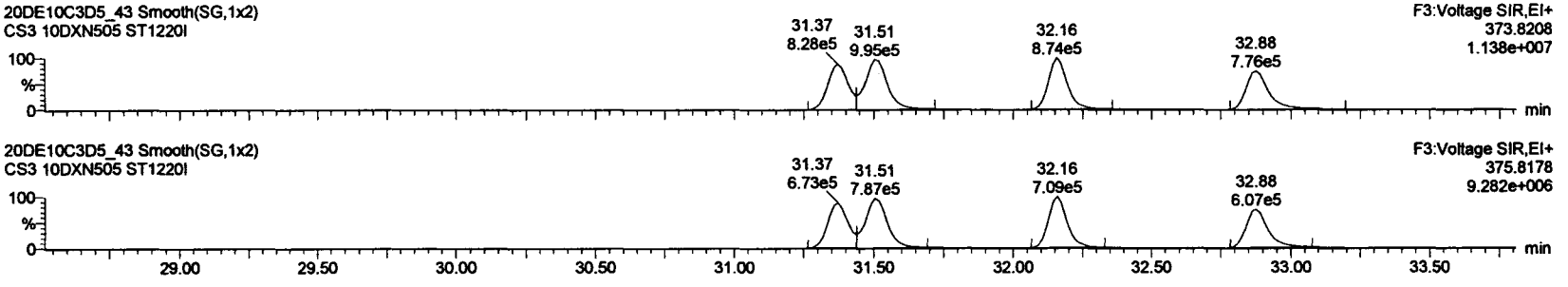
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

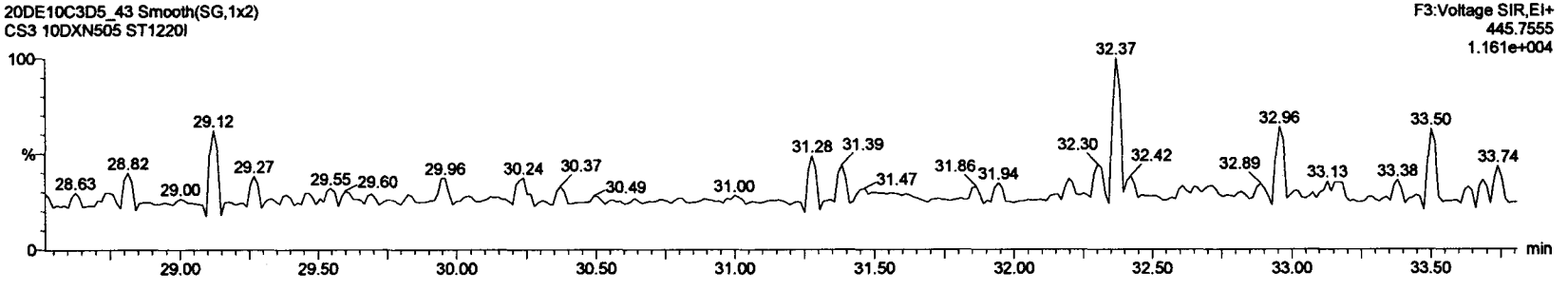
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

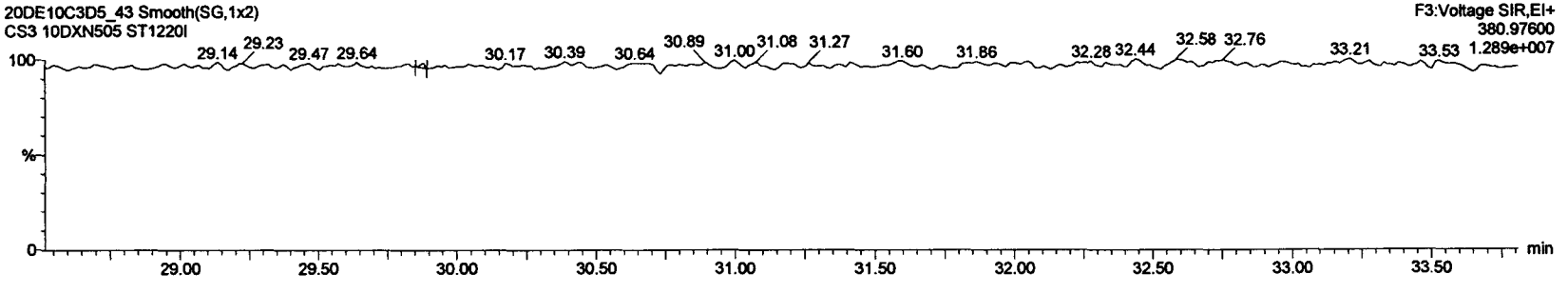
HxCDFs



HxCDF PCDPE



Function 3 PFK



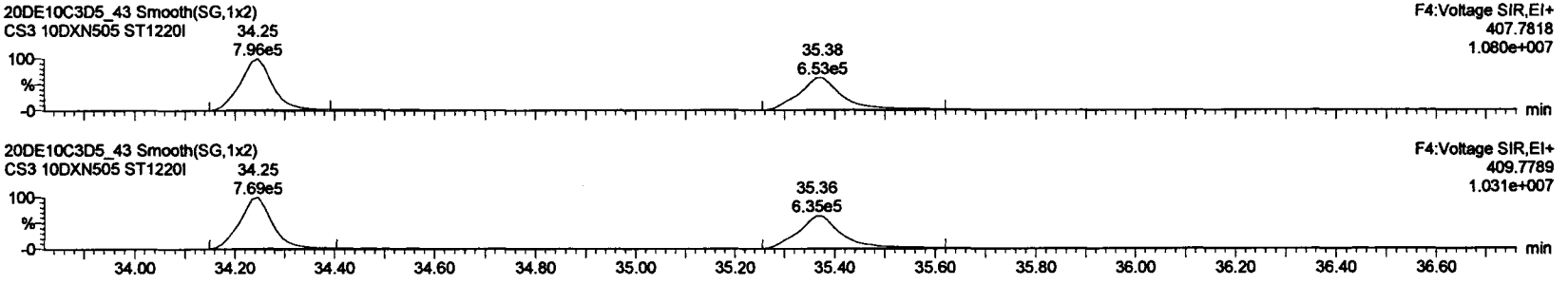
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

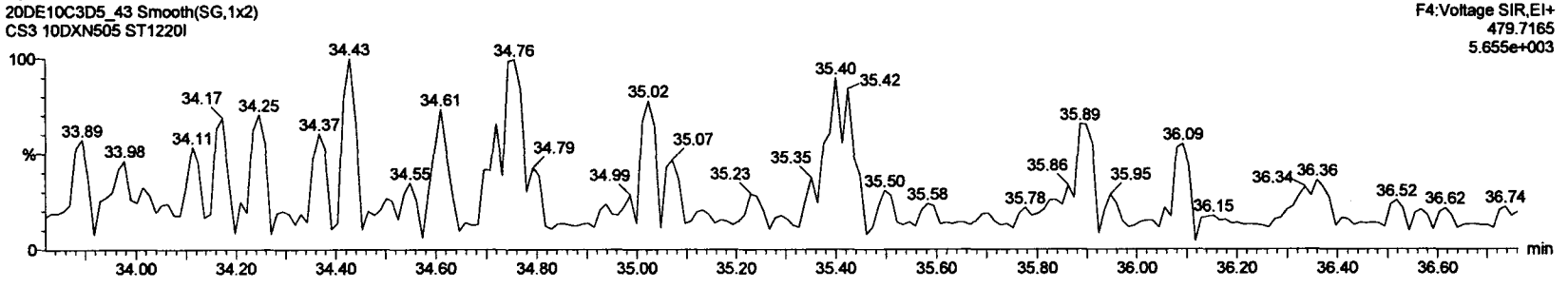
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

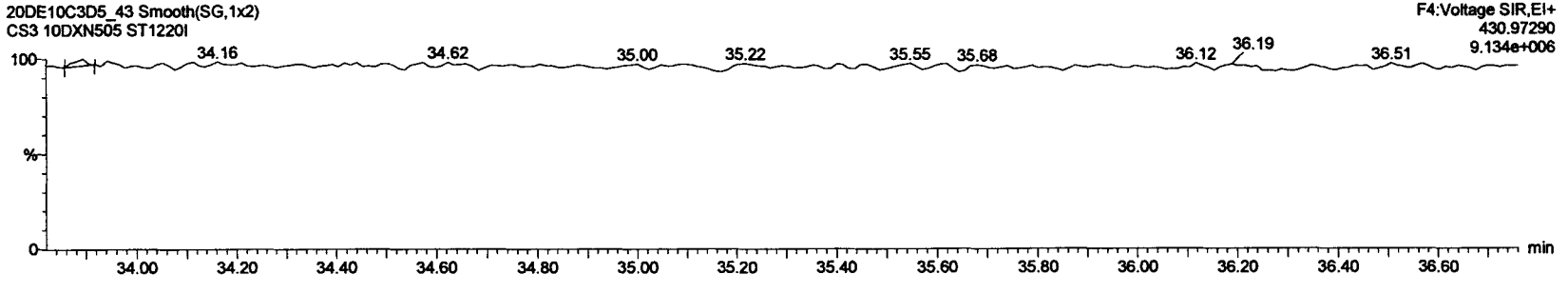
HpCDFs



HpCDF PCDPE



Function 4 PFK



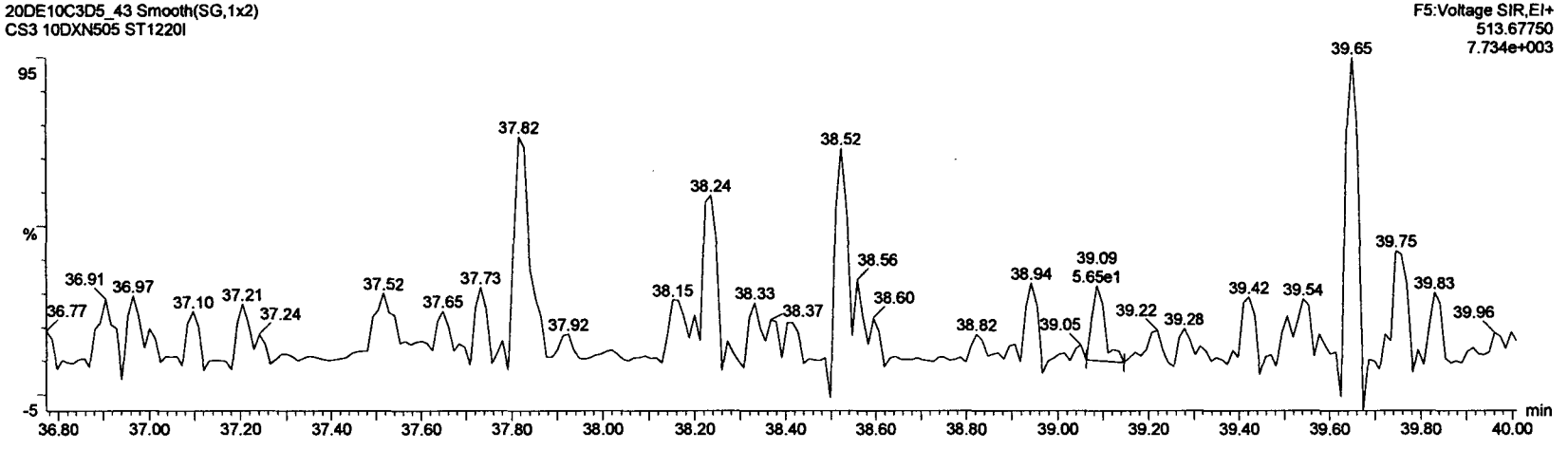
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20DE10C3D5TO9H.qld

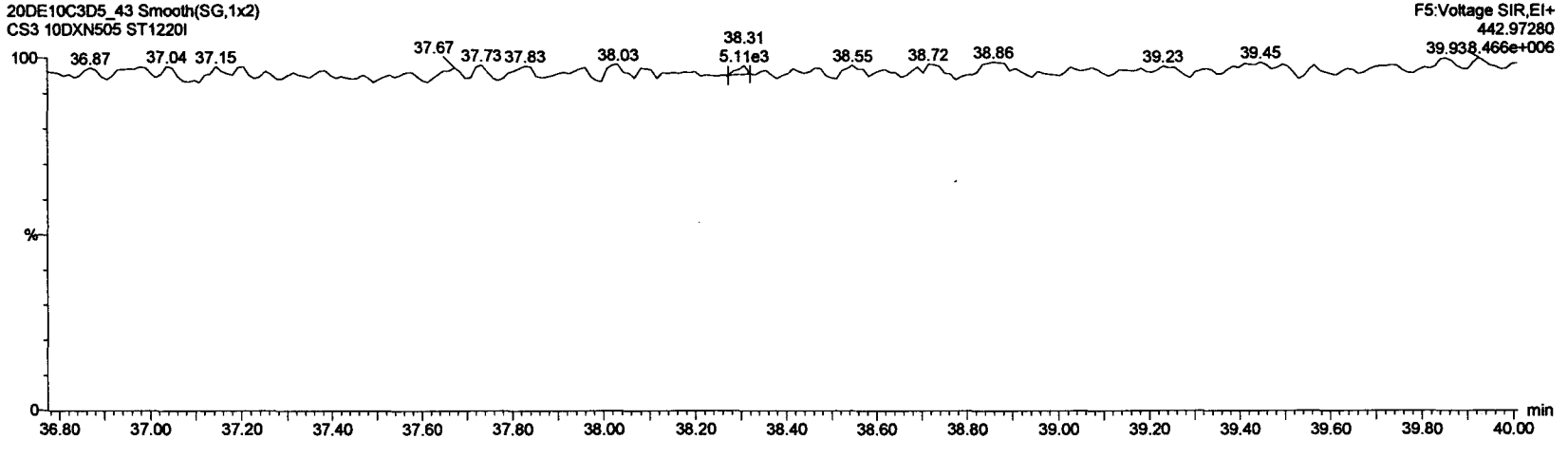
Last Altered: Wednesday, December 22, 2010 09:30:32 Pacific Standard Time
Printed: Wednesday, December 22, 2010 09:33:15 Pacific Standard Time

Name: 20DE10C3D5_43, Date: 21-Dec-2010, Time: 23:59:48, ID: ST1220I, Description: CS3 10DXN505

OCDF PCDPE



Function 5 PFK



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

Test America – West Sacramento

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Initial Calibration Checklist
Dioxin Methods

ICAL ID ICA102103D5 (1613, 8290, TO9, TETRAS)

Method ID 1613B, 8290, TO9 — Date Scanned 10/21/10

Column ID DB5 — Instrument ID 3D5

STD ID's STD1020(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 Retention Times: 13C-1,2,3,4-TCDD 18.73; 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	5.92460
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\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

#	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

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

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	1.48987	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\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_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

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time
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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

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time
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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

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time
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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	23.56	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

Last Altered: Wednesday, October 20, 2010 5:23:11 PM Pacific Daylight Time
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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.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
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
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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	383.8639	31.44	2182276	1.06391	0.516	NO	
26	1,2,3,4,7,8-HxCDF	373.8208	31.45	26756134	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\ICA1020103D5TO9.qld

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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...			

	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	—

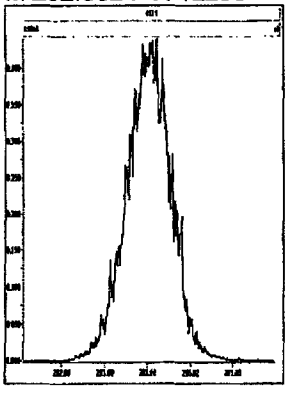
Inj Vol	Sam Typ	Analyst	MS File	Inl File	ConA	ConB	ConC	ConD	ConE	ConF	ConG
2.000000	Analyte	MG	Dioxin3D5	dioxin	---	---	---	---	---	---	---
2.000000	Standard	MG	Dioxin3D5	dioxin	10	50	100	100	200	10	100
2.000000	Standard	MG	Dioxin3D5	dioxin	2	10	20	100	200	2	100
2.000000	Standard	MG	Dioxin3D5	dioxin	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

Process	Process Options	Action On Error
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error
ResolutionCheck	C:\MassLynx\Autospec\dioxinendres.dat	Ignore Error

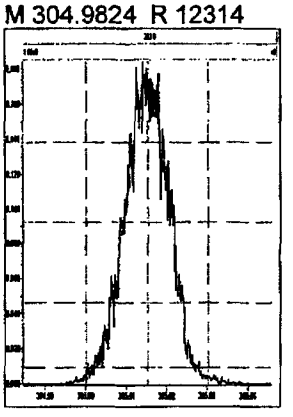
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:44:20 Pacific Daylight Time

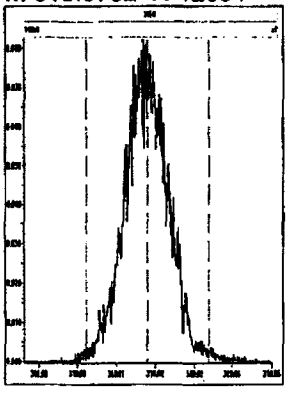
M 292.9824 R 12256



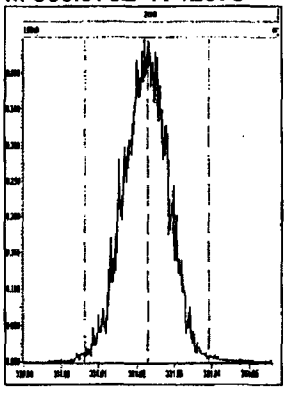
M 304.9824 R 12314



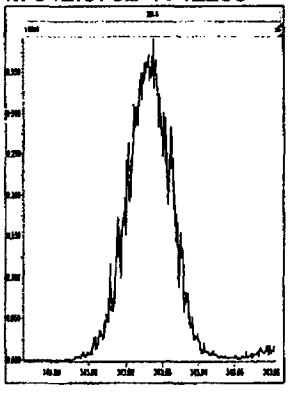
M 318.9792 R 12884



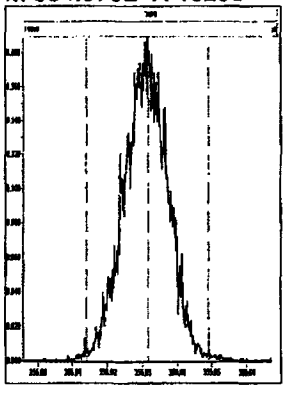
M 330.9792 R 12073



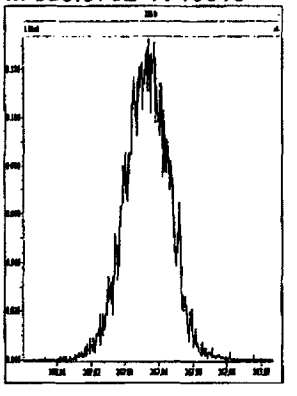
M 342.9792 R 12255



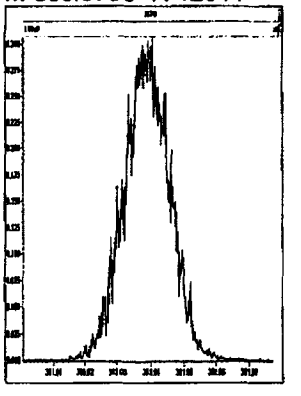
M 354.9792 R 13296



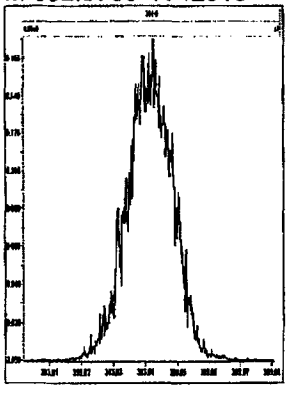
M 366.9792 R 13515



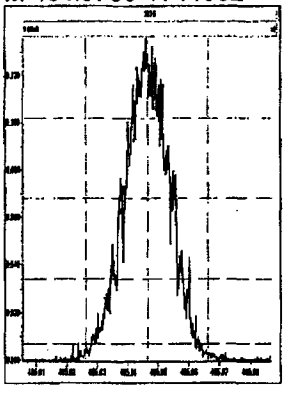
M 380.9760 R 12311



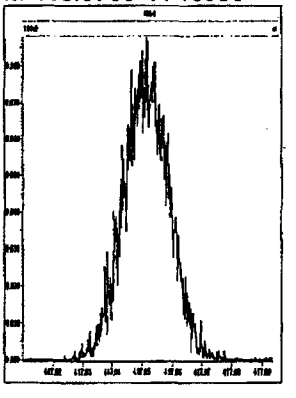
M 392.9760 R 12018



M 404.9760 R 11902



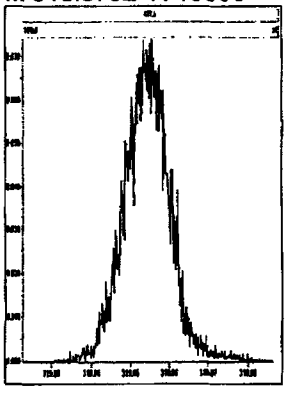
M 416.9760 R 13369



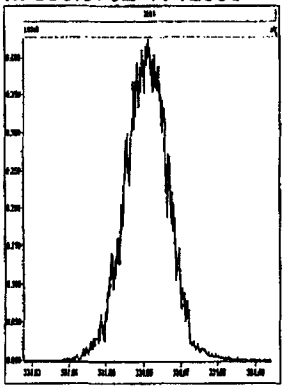
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:46:05 Pacific Daylight Time

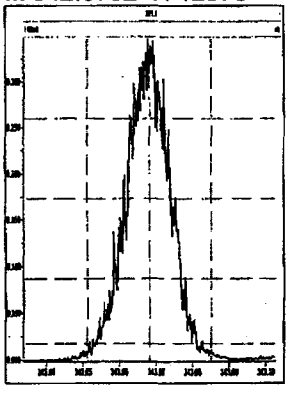
M 318.9792 R 13368



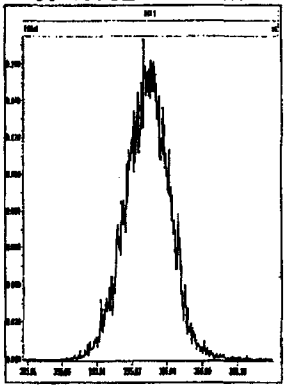
M 330.9792 R 12688



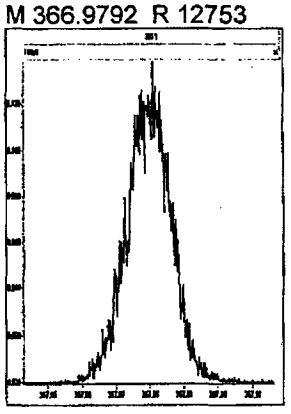
M 342.9792 R 12378



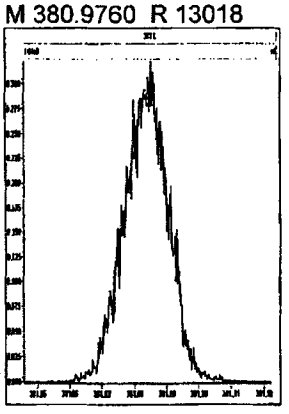
M 354.9792 R 12562



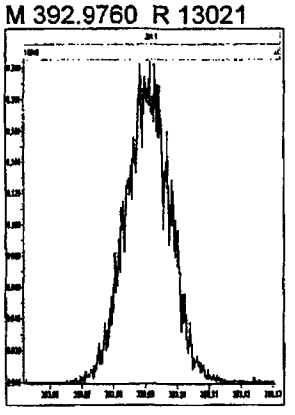
M 366.9792 R 12753



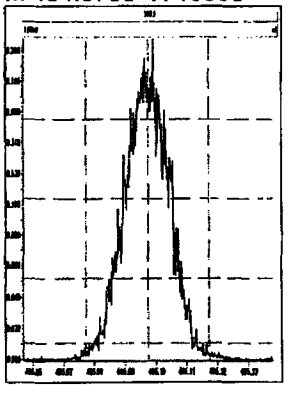
M 380.9760 R 13018



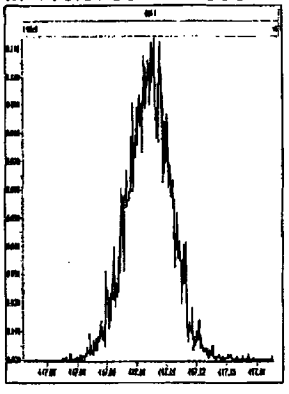
M 392.9760 R 13021



M 404.9760 R 13368



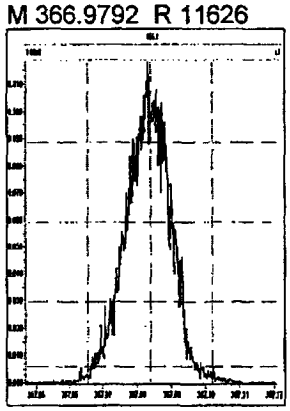
M 416.9760 R 12955



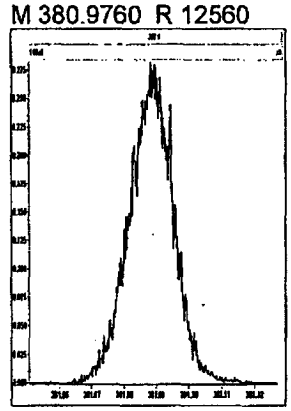
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:46:41 Pacific Daylight Time

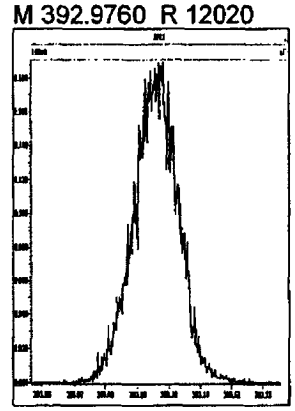
M 366.9792 R 11626



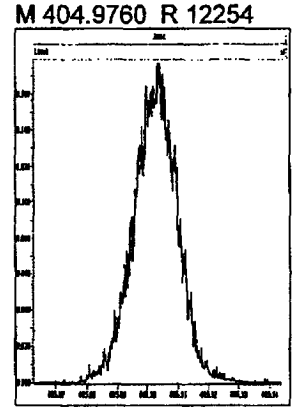
M 380.9760 R 12560



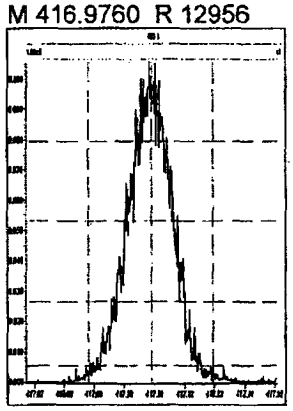
M 392.9760 R 12020



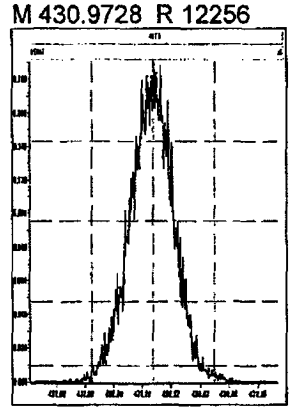
M 404.9760 R 12254



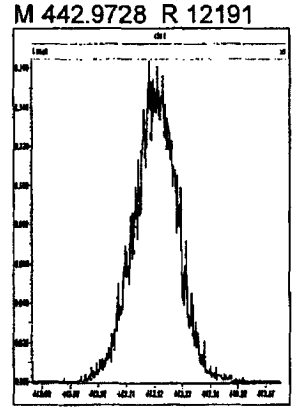
M 416.9760 R 12956



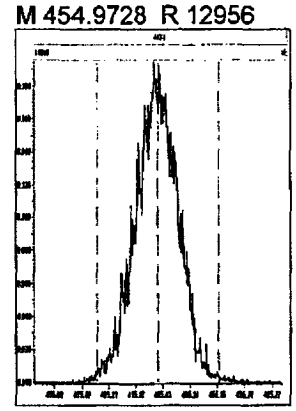
M 430.9728 R 12256



M 442.9728 R 12191



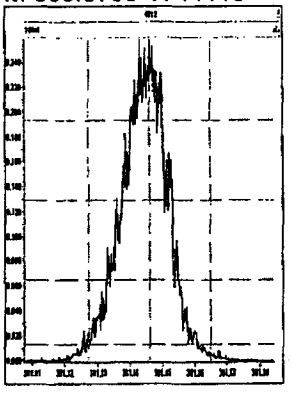
M 454.9728 R 12956



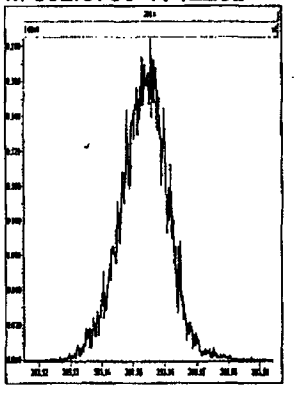
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:47:16 Pacific Daylight Time

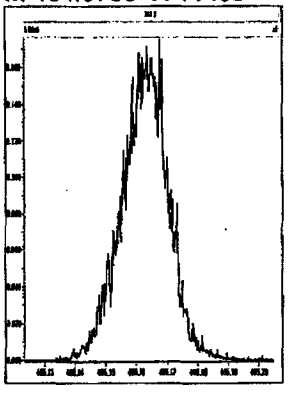
M 380.9760 R 11110



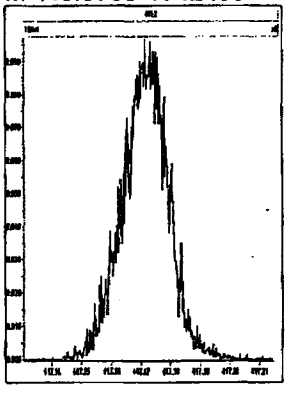
M 392.9760 R 12252



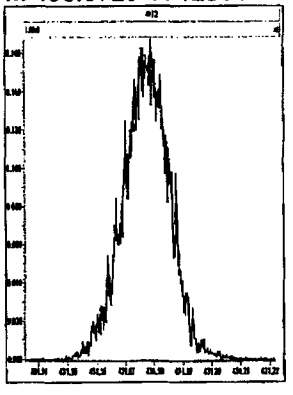
M 404.9760 R 11469



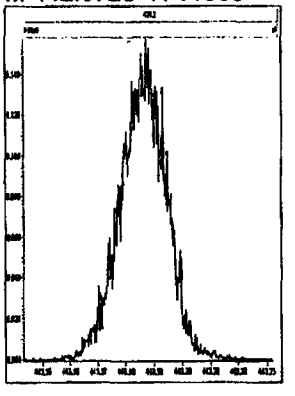
M 416.9760 R 12499



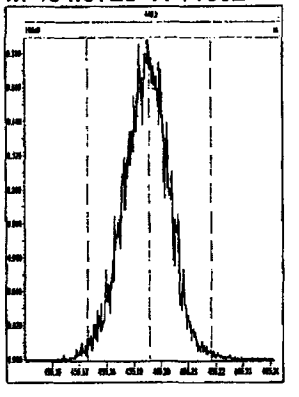
M 430.9728 R 12314



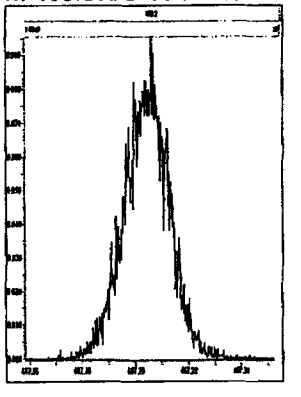
M 442.9728 R 11906



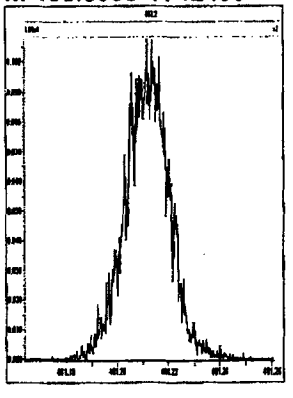
M 454.9728 R 11962



M 466.9728 R 12437



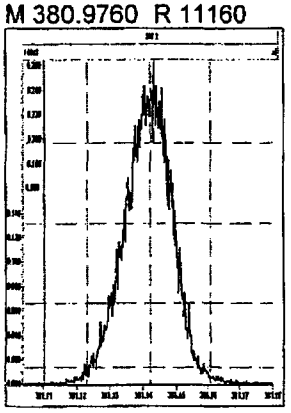
M 480.9696 R 12436



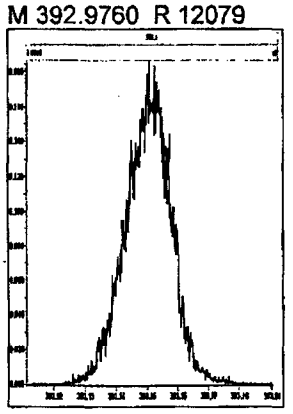
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 09:47:58 Pacific Daylight Time

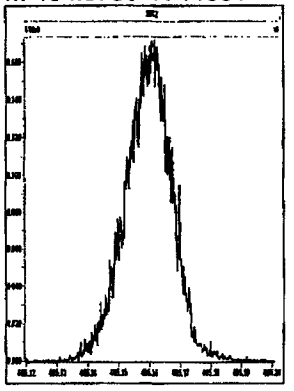
M 380.9760 R 11160



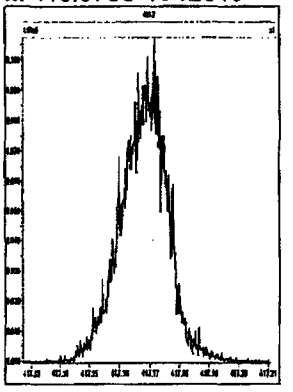
M 392.9760 R 12079



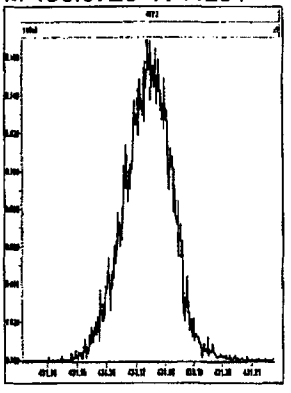
M 404.9760 R 11901



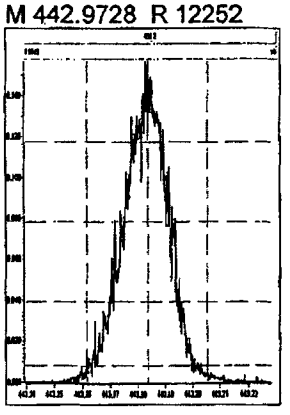
M 416.9760 R 12315



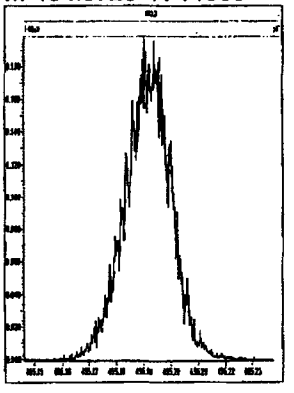
M 430.9728 R 11264



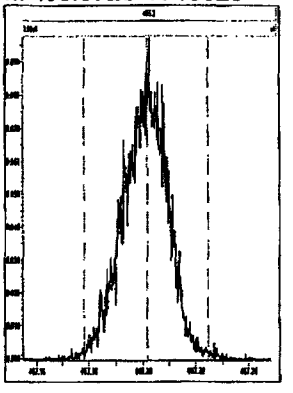
M 442.9728 R 12252



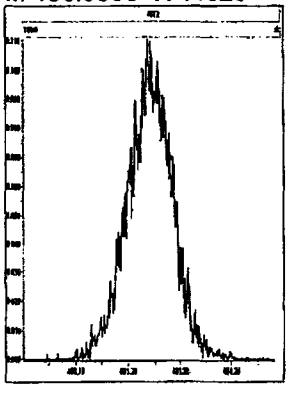
M 454.9728 R 11905



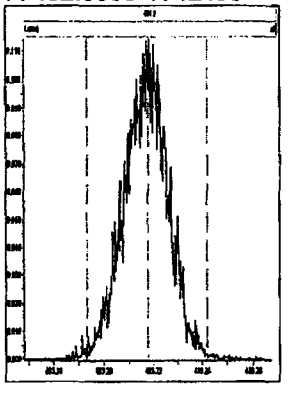
M 466.9728 R 13020



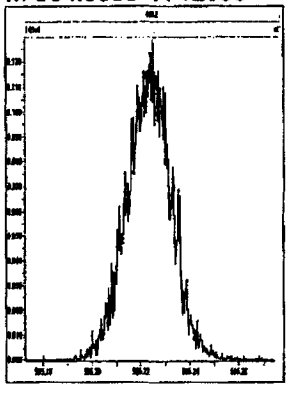
M 480.9696 R 11626



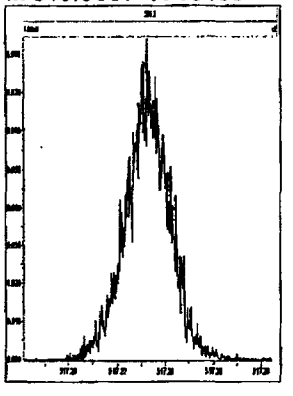
M 492.9696 R 12439



M 504.9696 R 12690



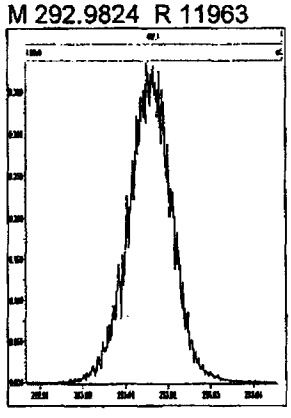
M 516.9697 R 13156



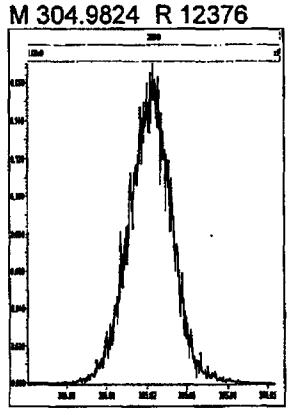
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:32:45 Pacific Daylight Time

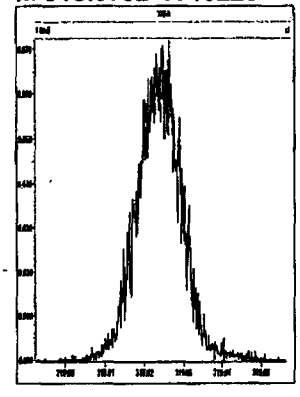
M 292.9824 R 11963



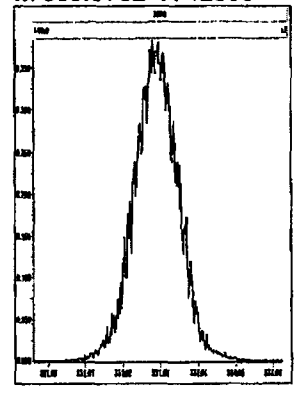
M 304.9824 R 12376



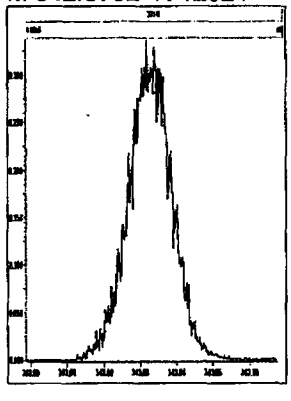
M 318.9792 R 13225



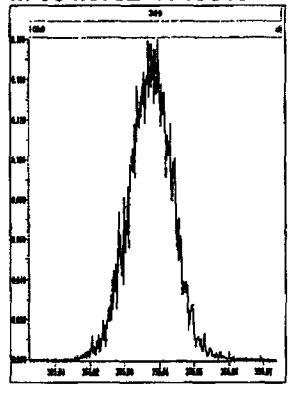
M 330.9792 R 12559



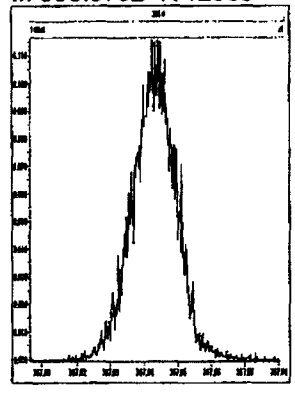
M 342.9792 R 12621



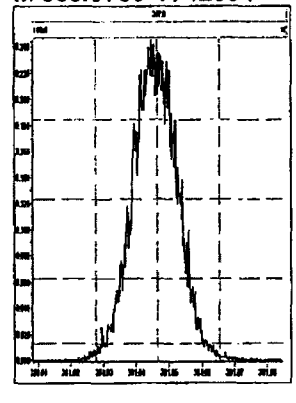
M 354.9792 R 13816



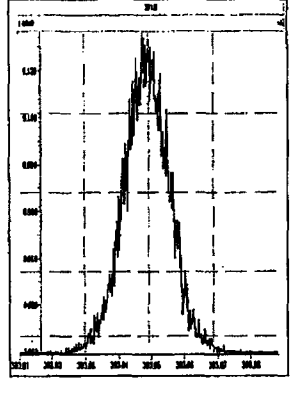
M 366.9792 R 12955



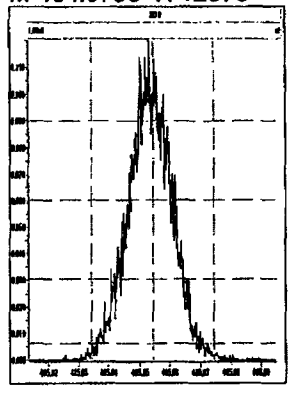
M 380.9760 R 12954



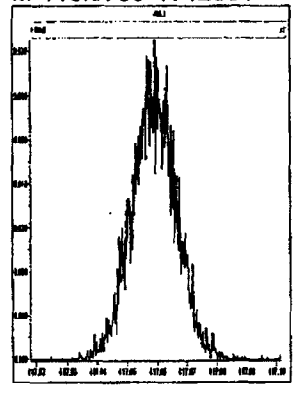
M 392.9760 R 11961



M 404.9760 R 12378



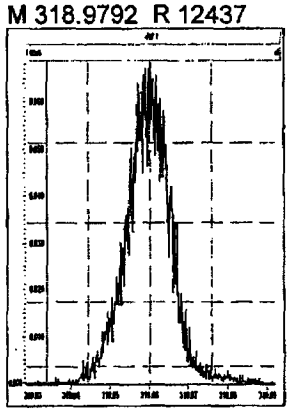
M 416.9760 R 12691



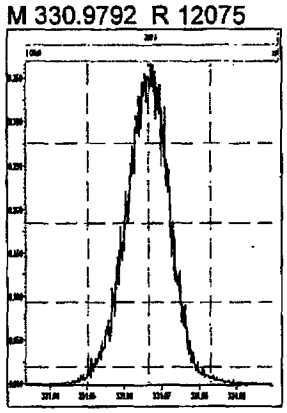
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:34:47 Pacific Daylight Time

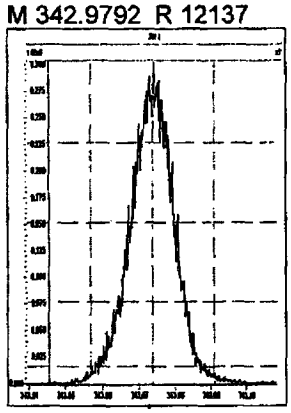
M 318.9792 R 12437



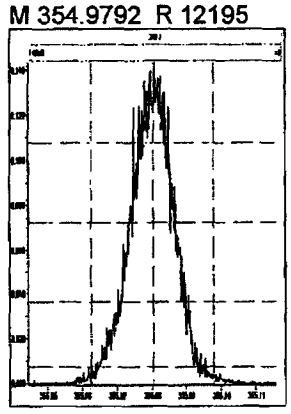
M 330.9792 R 12075



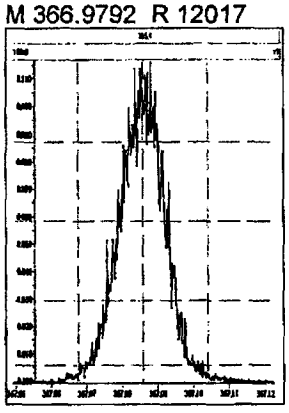
M 342.9792 R 12137



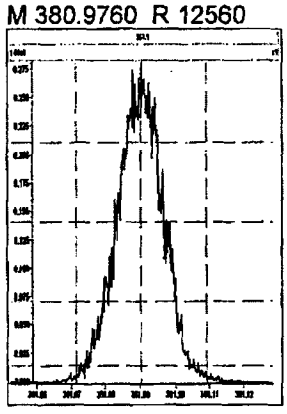
M 354.9792 R 12195



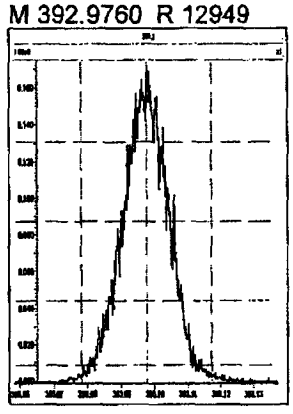
M 366.9792 R 12017



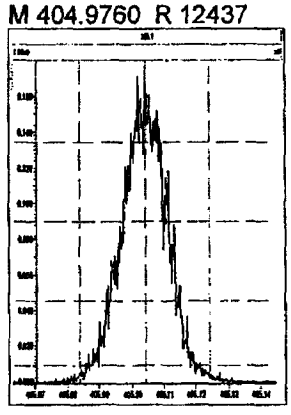
M 380.9760 R 12560



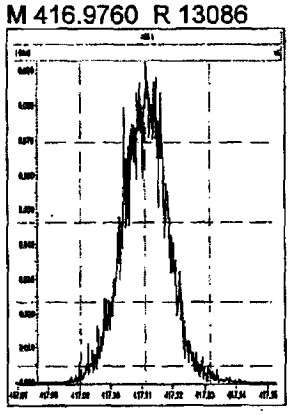
M 392.9760 R 12949



M 404.9760 R 12437



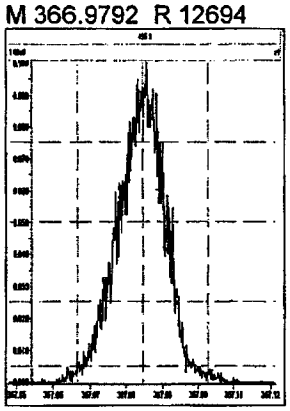
M 416.9760 R 13086



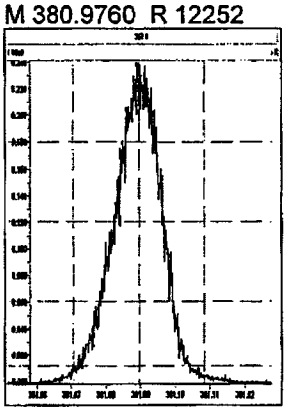
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:36:02 Pacific Daylight Time

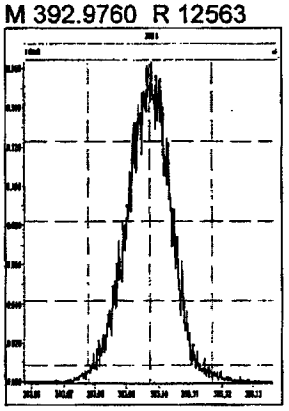
M 366.9792 R 12694



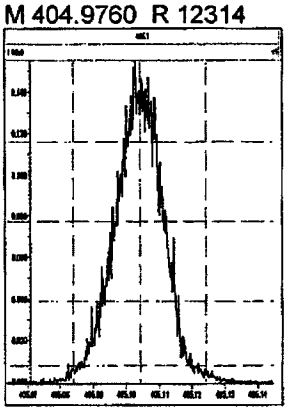
M 380.9760 R 12252



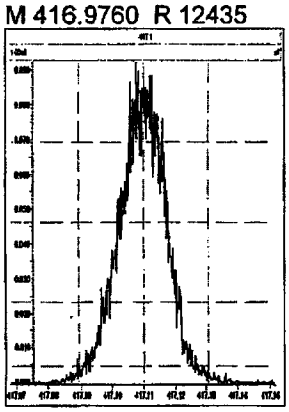
M 392.9760 R 12563



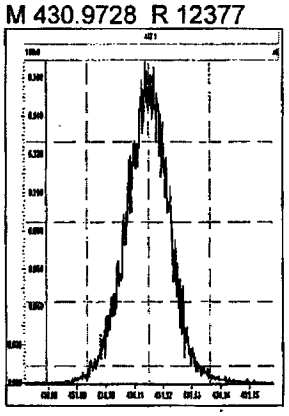
M 404.9760 R 12314



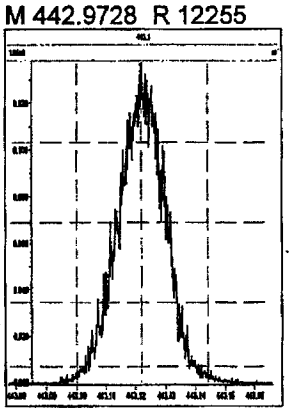
M 416.9760 R 12435



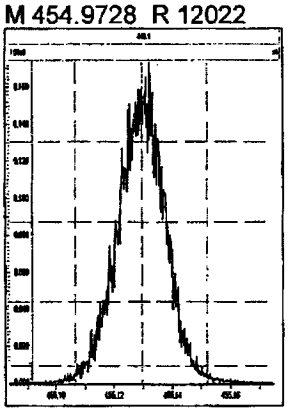
M 430.9728 R 12377



M 442.9728 R 12255



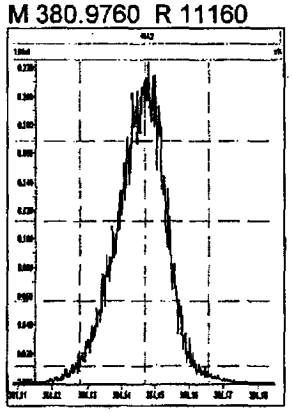
M 454.9728 R 12022



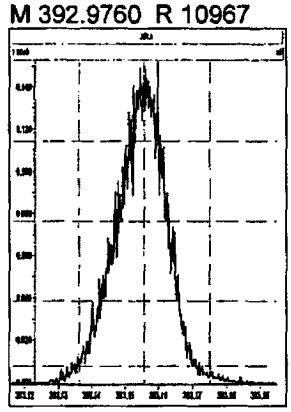
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:36:38 Pacific Daylight Time

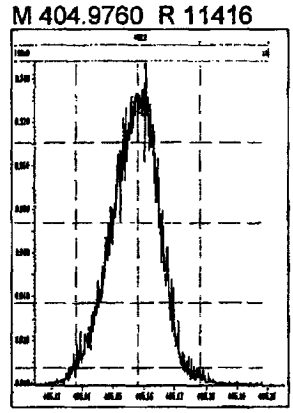
M 380.9760 R 11160



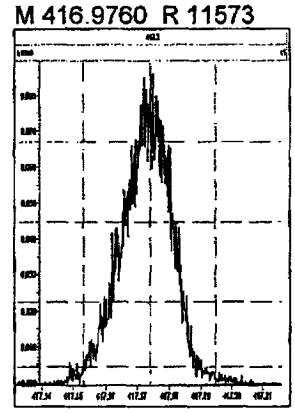
M 392.9760 R 10967



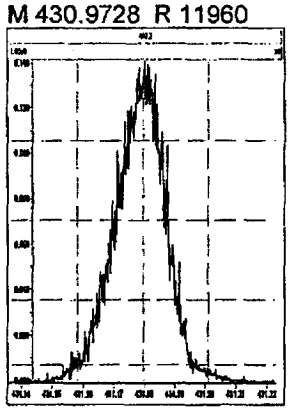
M 404.9760 R 11416



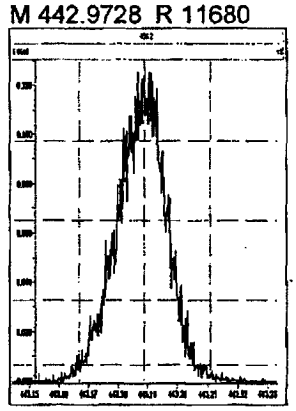
M 416.9760 R 11573



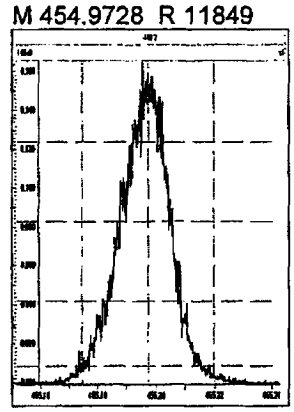
M 430.9728 R 11960



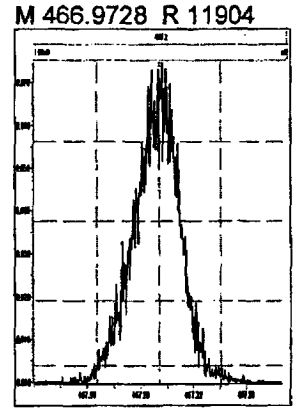
M 442.9728 R 11680



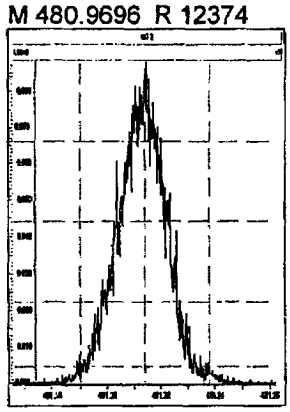
M 454.9728 R 11849



M 466.9728 R 11904



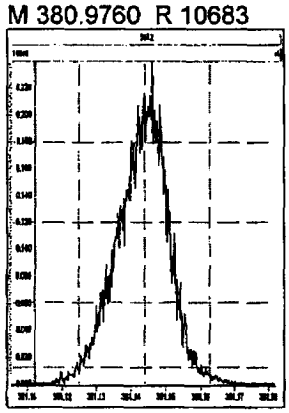
M 480.9696 R 12374



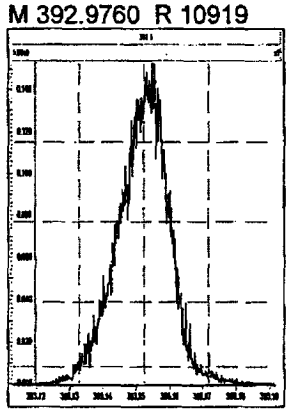
File: Experiment: Dioxin3D5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, October 20, 2010 17:37:22 Pacific Daylight Time

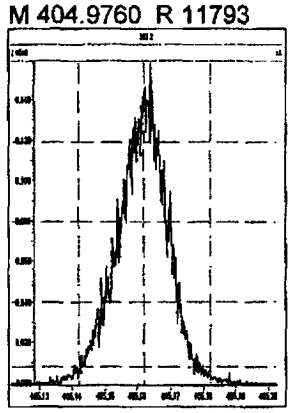
M 380.9760 R 10683



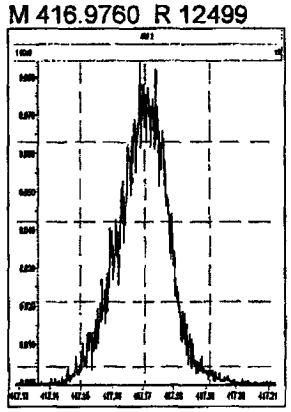
M 392.9760 R 10919



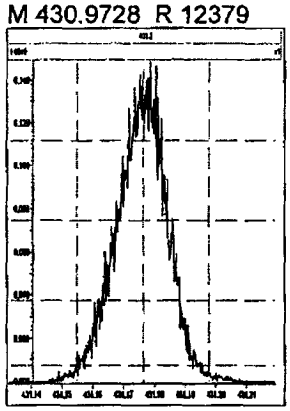
M 404.9760 R 11793



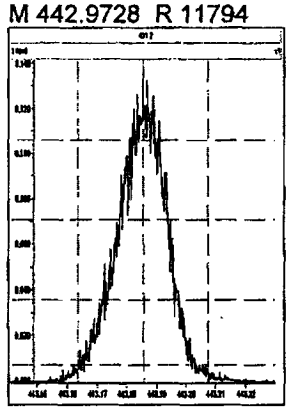
M 416.9760 R 12499



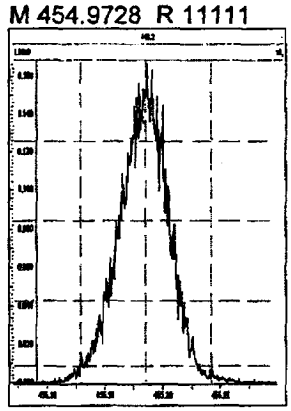
M 430.9728 R 12379



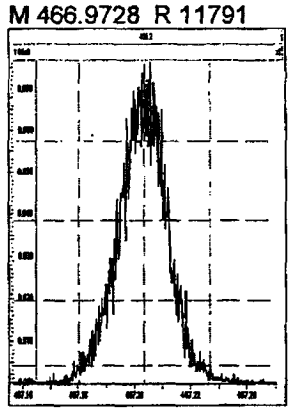
M 442.9728 R 11794



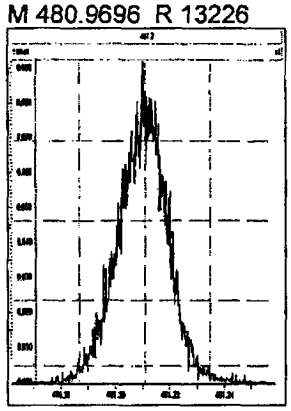
M 454.9728 R 11111



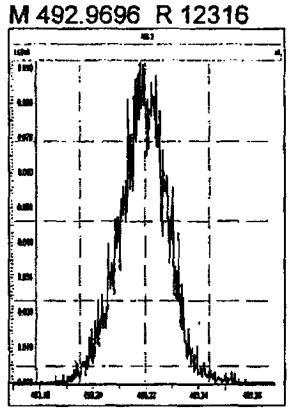
M 466.9728 R 11791



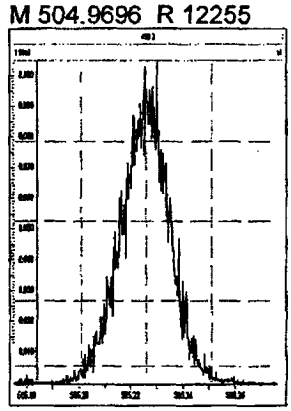
M 480.9696 R 13226



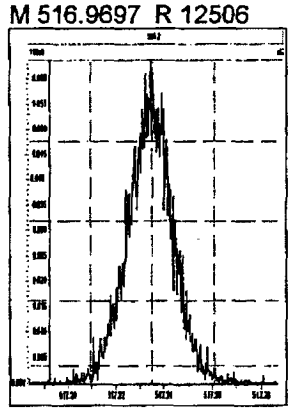
M 492.9696 R 12316

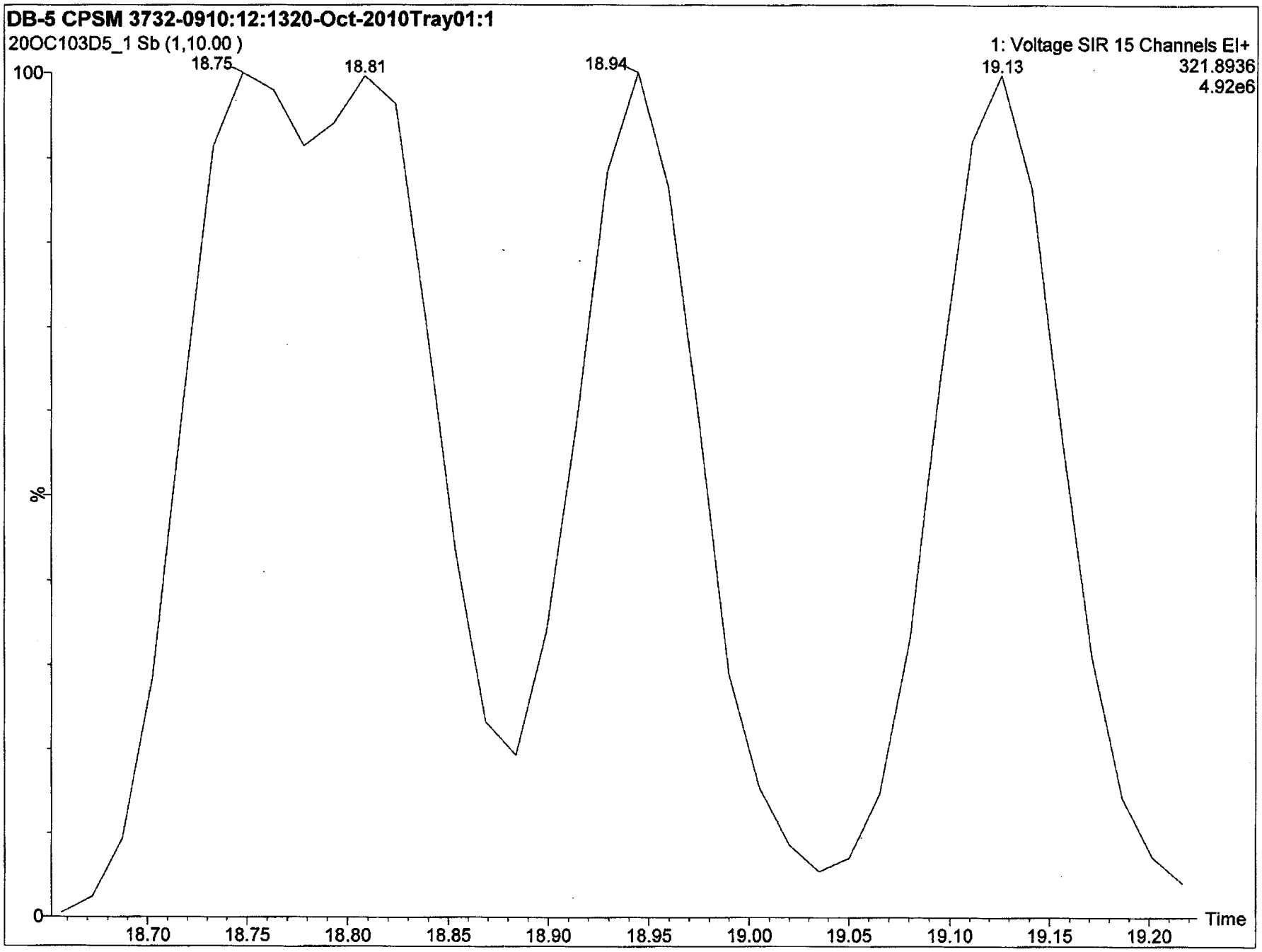


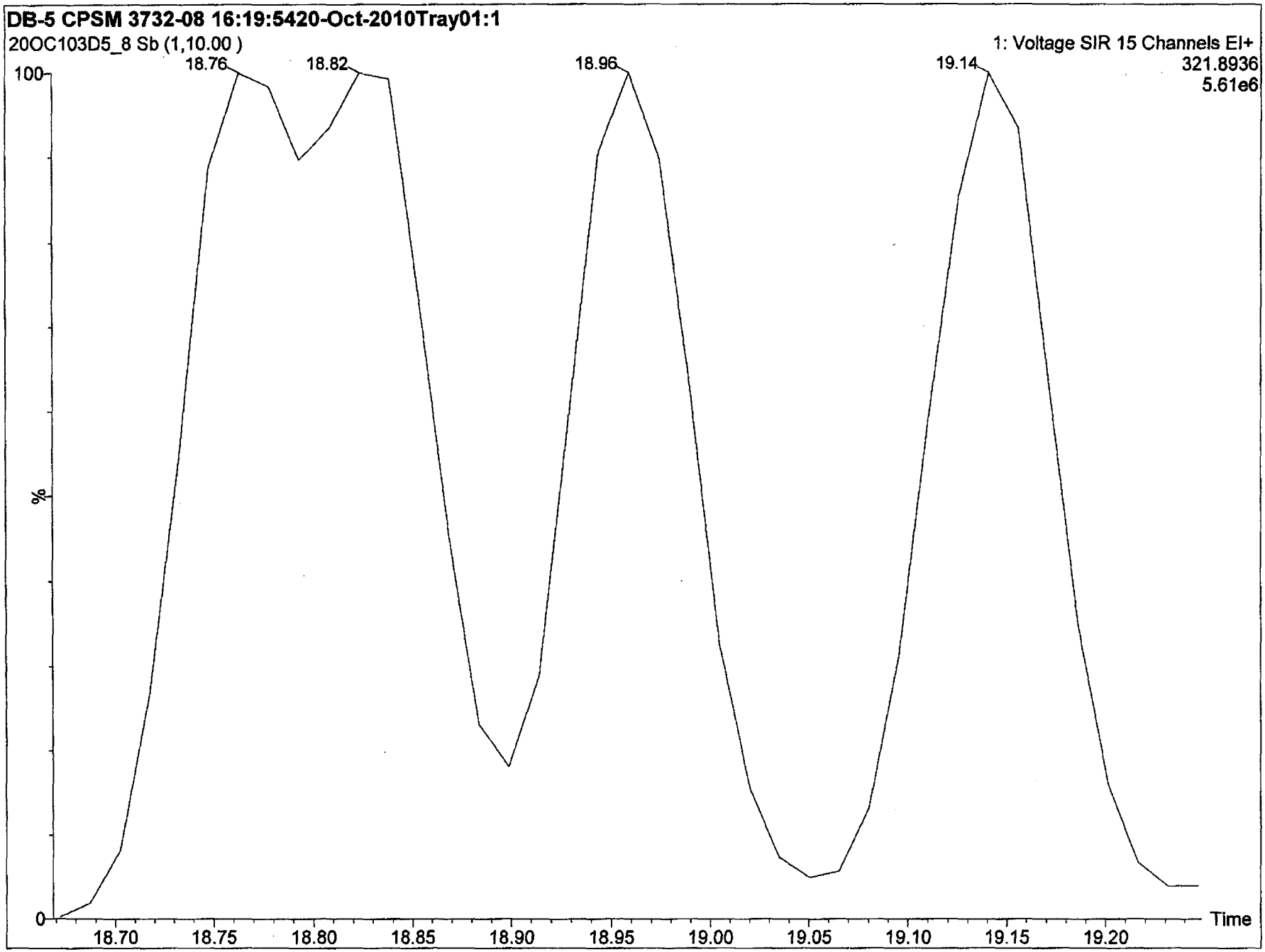
M 504.9696 R 12255



M 516.9697 R 12506




DB-5 CPSM 3732-0910:12:1320-Oct-2010Tray01:1
20OC103D5_1 Sb (1,10.00)
1: Voltage SIR 15 Channels EI+
321.8936
4.92e6
18.75
18.81
18.94
19.13
100
%
0
18.70
18.75
18.80
18.85
18.90
18.95
19.00
19.05
19.10
19.15
19.20
Time


DB-5 CPSM 3732-08 16:19:5420-Oct-2010Tray01:1
20OC103D5_8 Sb (1,10.00)
1: Voltage SIR 15 Channels EI+
321.8936
5.61e6
18.76
18.82
18.96
19.14
100
%
0
Time
18.70
18.75
18.80
18.85
18.90
18.95
19.00
19.05
19.10
19.15
19.20

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	Prd RT	RRF	M/z	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
1	13C-1,2,3,4-TCDD	331.9368	1.000	18.73	18.73	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		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		23254.70	177.8304	177.8304		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		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	18.94	1.009		17471.23	188.8348	188.8348		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	18.94	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	23.57	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	23.65	1.069		49397.90	486.5823	486.5823		7.4726	1.614	1.550	NO	
15	13C-2,3,4,7,8-PeCDF	351.9000	1.000	25.07	25.00	0.963		183647.17	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	25.09	1.036		47219.79	496.2474	496.2474		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	25.78	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		29804.02	489.6018	489.6018		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	32.74	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	31.45	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	31.51	1.219		39141.96	473.4394	473.4394		6.0125	1.218	1.240	NO	
28	13C-1,2,3,6,7,8-HxCDF	383.8639	1.000	31.61	31.60	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	31.62	1.093		44174.83	482.3065	482.3065		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		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		40628.65	494.8389	494.8389		4.8167	1.225	1.240	NO	

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

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340, Task:

#	Name	Trace	Sample Size	RT	Prd RT	RRF	M	Abs Resp	Conc	EMPC	%Rec	EDL	Ratio	Prd 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	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	476.4458		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	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	479.1123		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	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	461.3495		5.3538	1.294	1.240	NO	
40	1,2,3,7,8,9-HxCDD	389.8157	1.000	32.78	32.76	1.113		28222.25	470.4411	470.4411		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	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	490.8247		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	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	498.8419		7.1321	0.998	1.040	NO	
47	Total HpCDFs	407.7818	1.000		0.00	1.375			989.6666	989.6666		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	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	449.1228		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	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	934.3423		6.7604	0.908	0.890	NO	
55	OCDD	457.7377	1.000	37.54	37.54	1.196		46112.76	957.9245	957.9245		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 PCDPE	375.8364	1.000		20.25	17.814						0.0000				
64	F1 PeCDF PCDPE	409.79740	1.000	19.32	19.31	97.109		25.89	0.2666		26.7	0.2043				
65	F2 PeCDF PCDPE	409.7974	1.000		28.29	51.063						0.0000				
66	HXCDF PCDPE	445.7555	1.000		33.24	21.191						0.0000				

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

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340, Task:

# Name	Trace	Sample Size	RT	Prd RT	RRF	M...	Abs Resp	Conc.	EMPC	%Rec	EDL	Ratio	Prd Ratio	Ratio	Mod Date
67 HPCDF PCDPE	479.7165	1.000	34.31	34.27	39.173		80.44	2.0534		205.3	1.9155				
68 OCDF PCDPE	513.67750	1.000	39.22	39.16	27.302		104.87	3.8409		384.1	0.1769				

Quantify Sample Report **MassLynx 4.1**

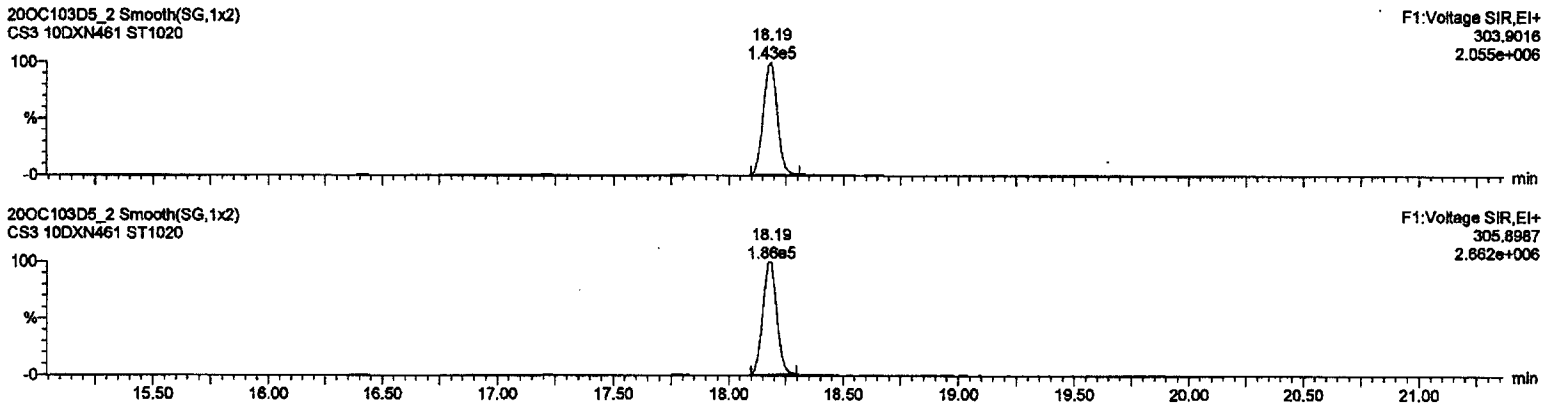
Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

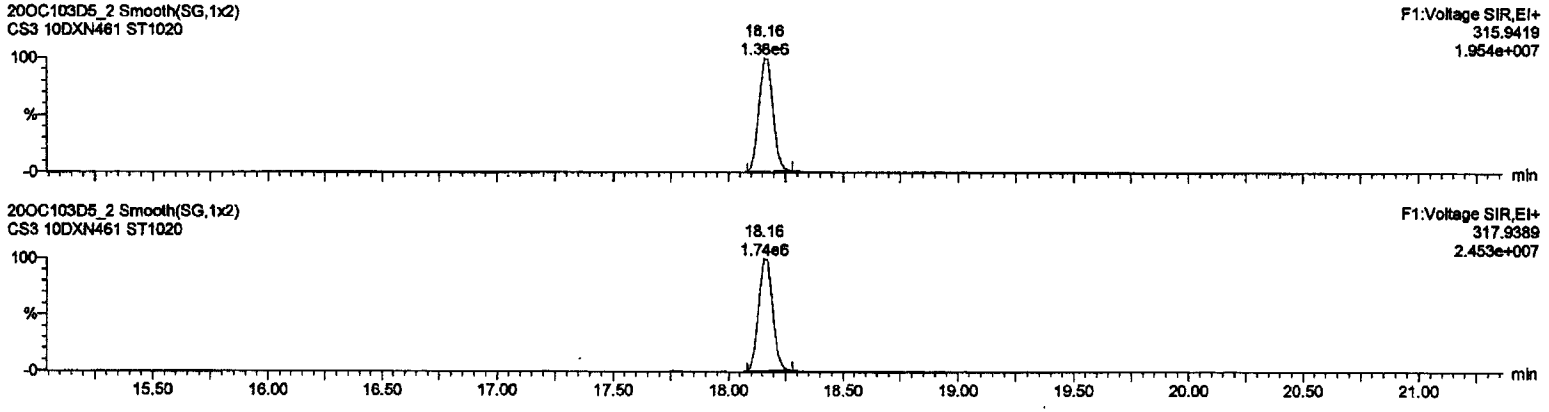
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
Calibration: 20 Oct 2010 15:22:51

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

TCDFs



13C-TCDF



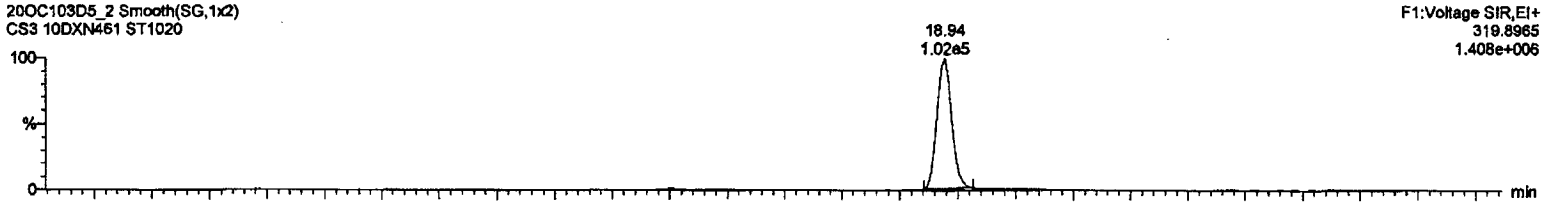
Quantify Sample Report **MassLynx 4.1**

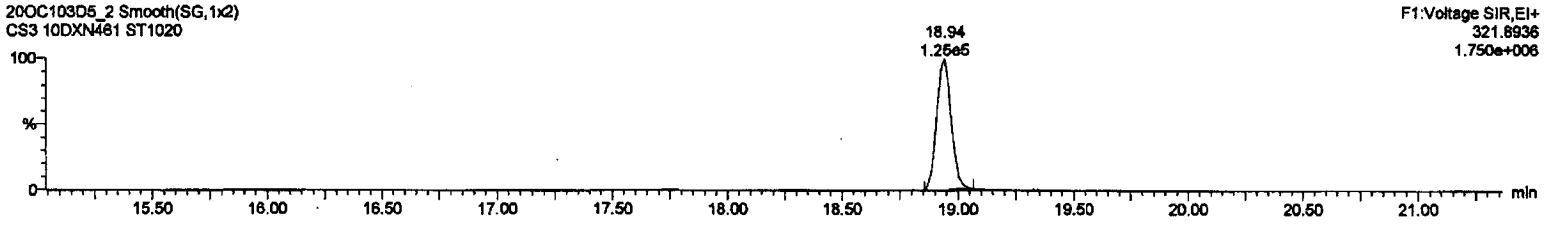
Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

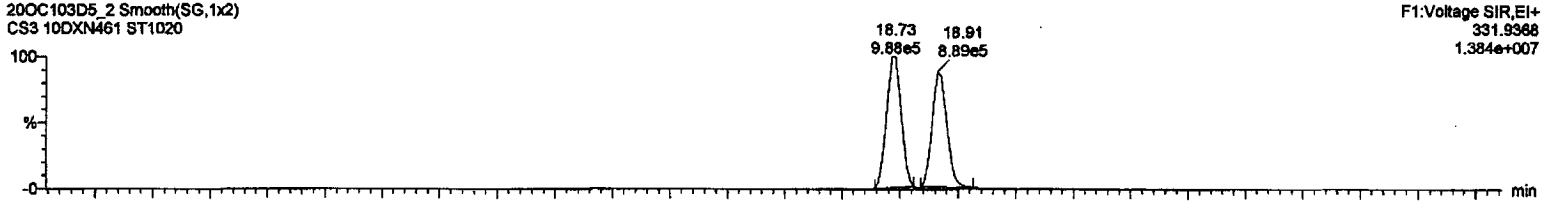
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

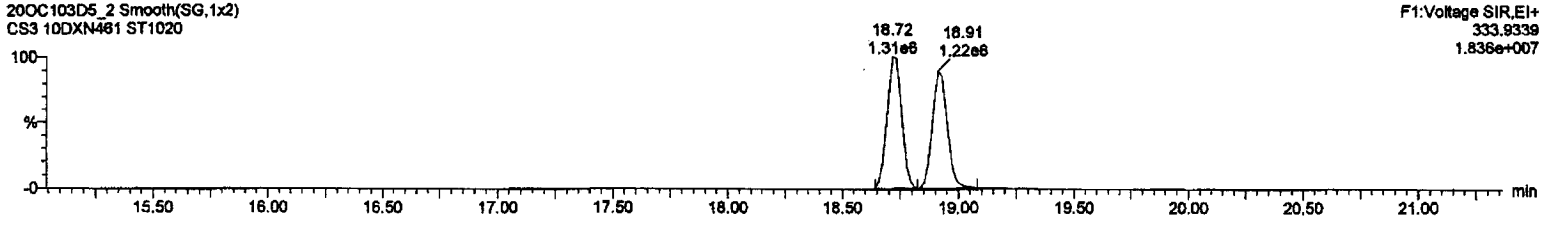
TCDDs





13C-TCDDs





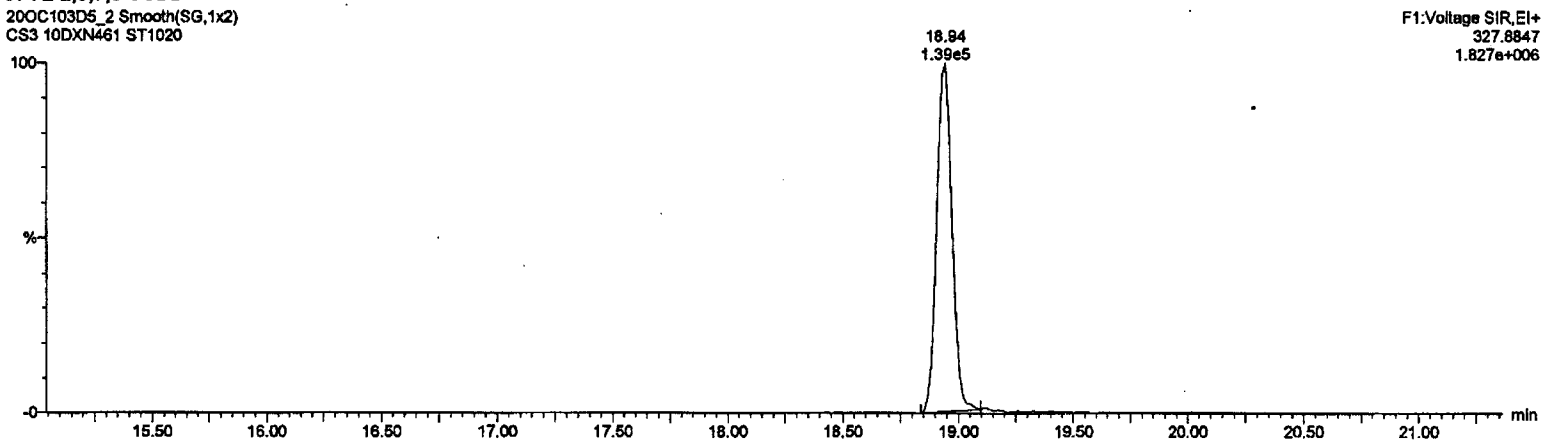
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

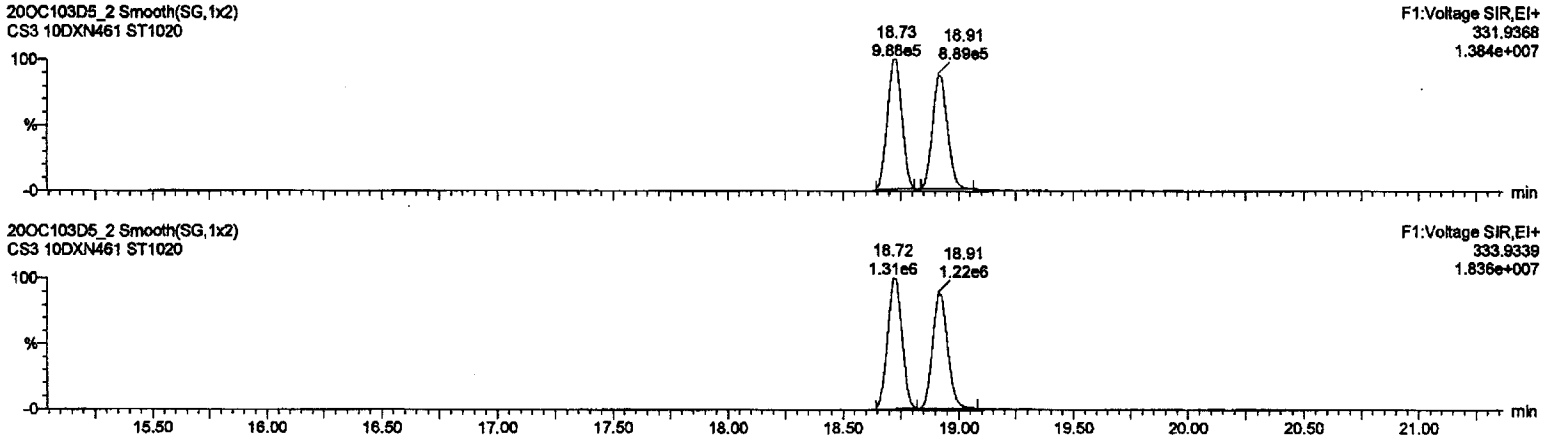
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

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



13C-TCDDs



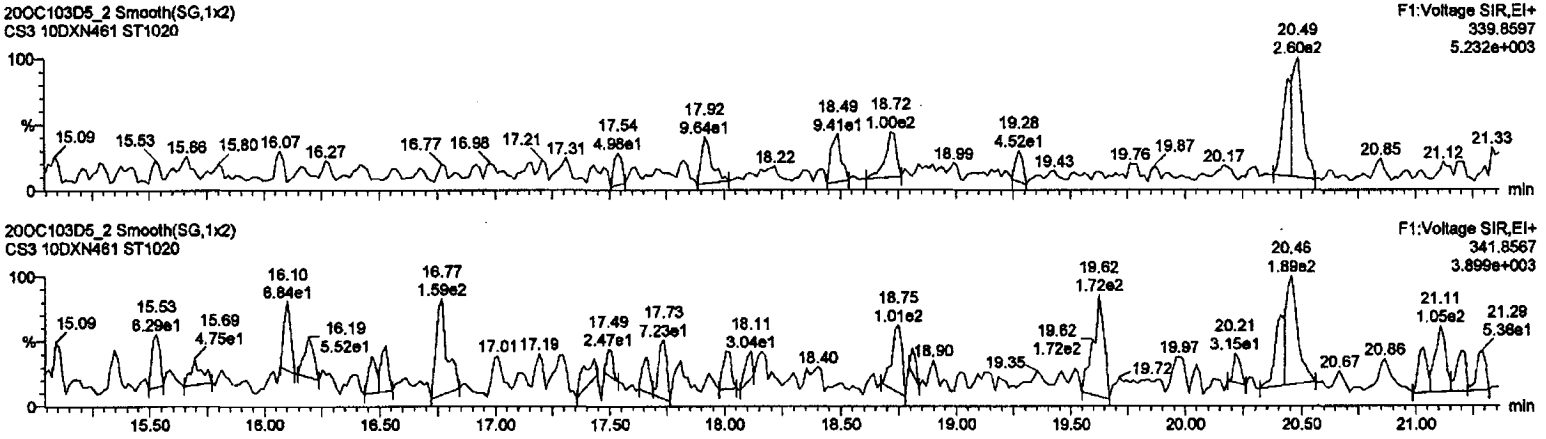
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

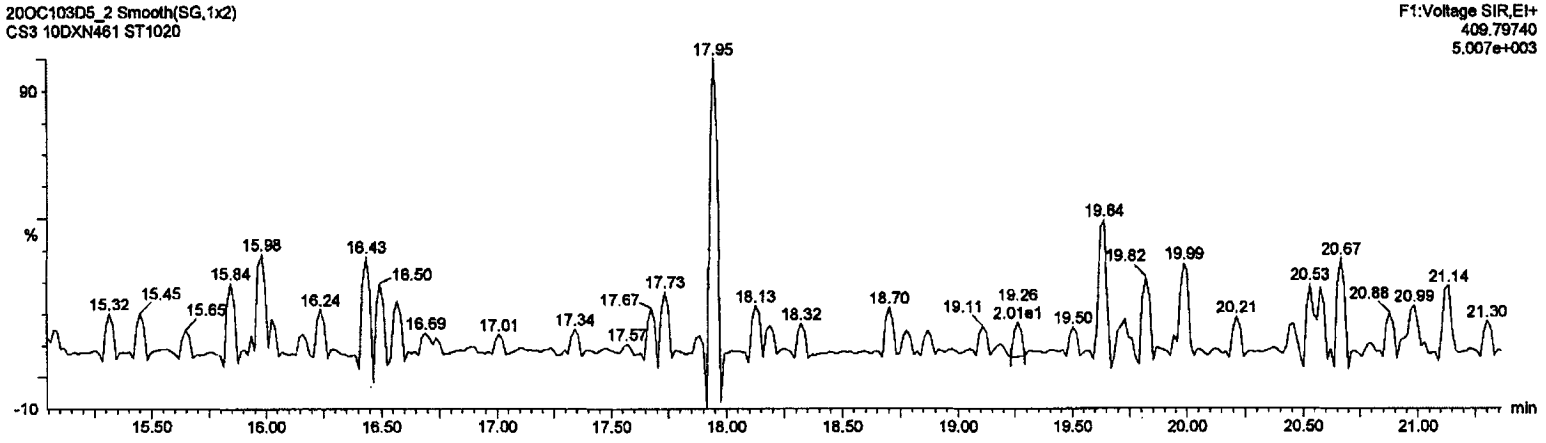
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

F1 PeCDFs



F1 PeCDF PCDPE



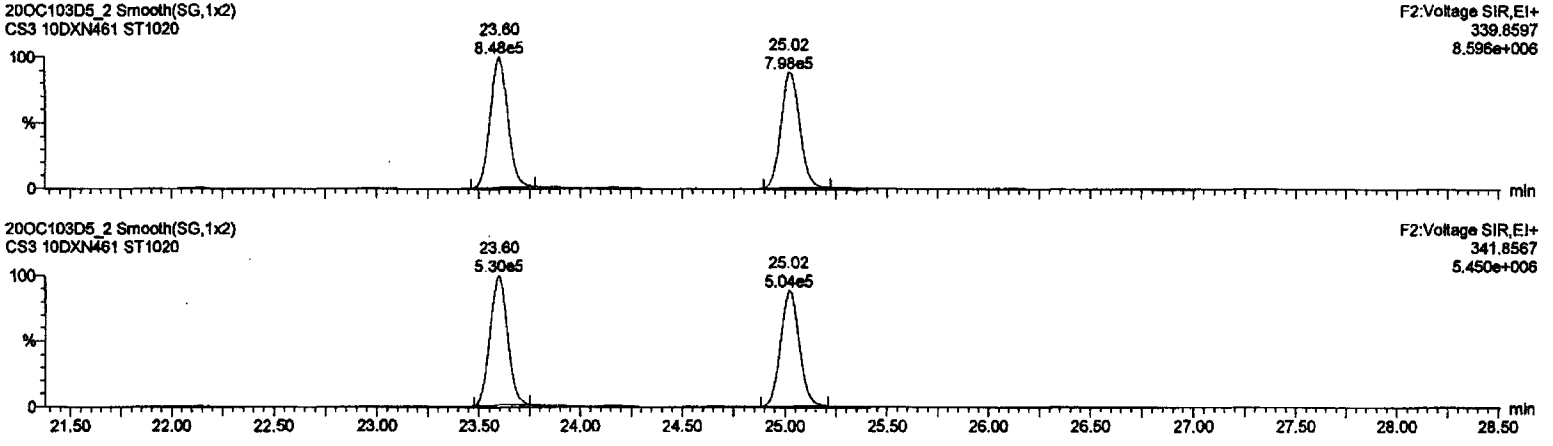
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

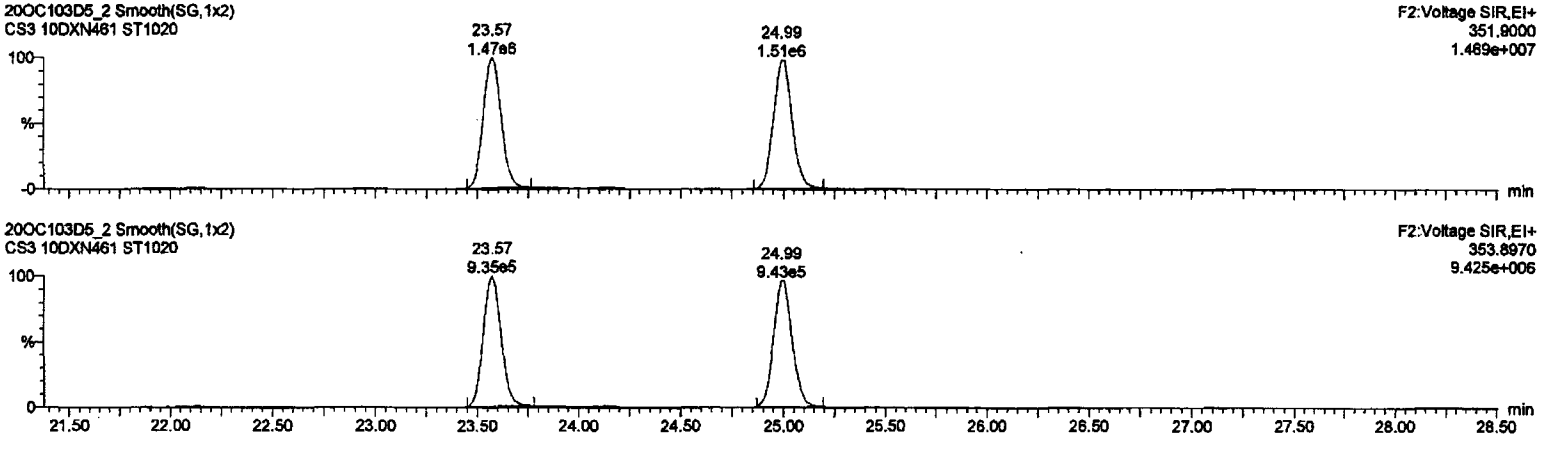
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

PeCDFs



13C-PeCDFs



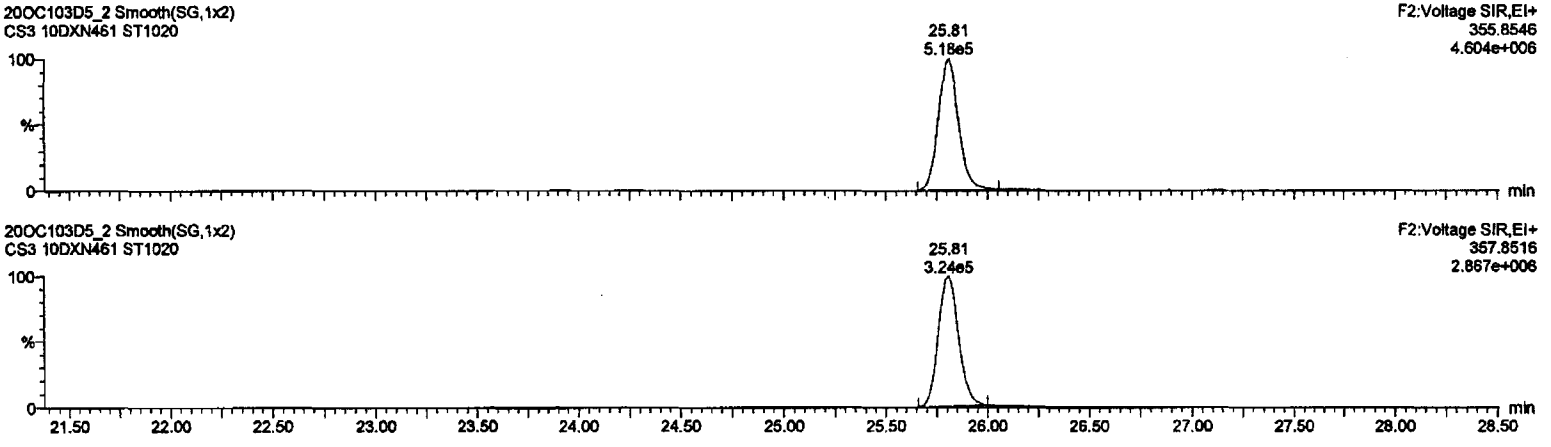
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

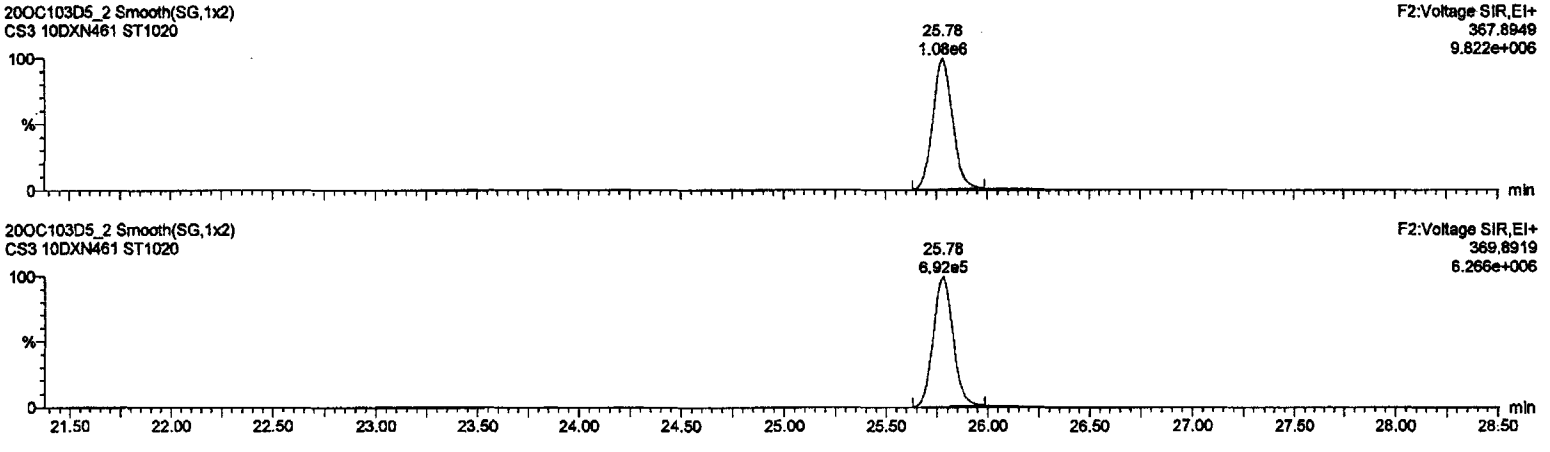
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

PeCDDs



13C-PeCDD



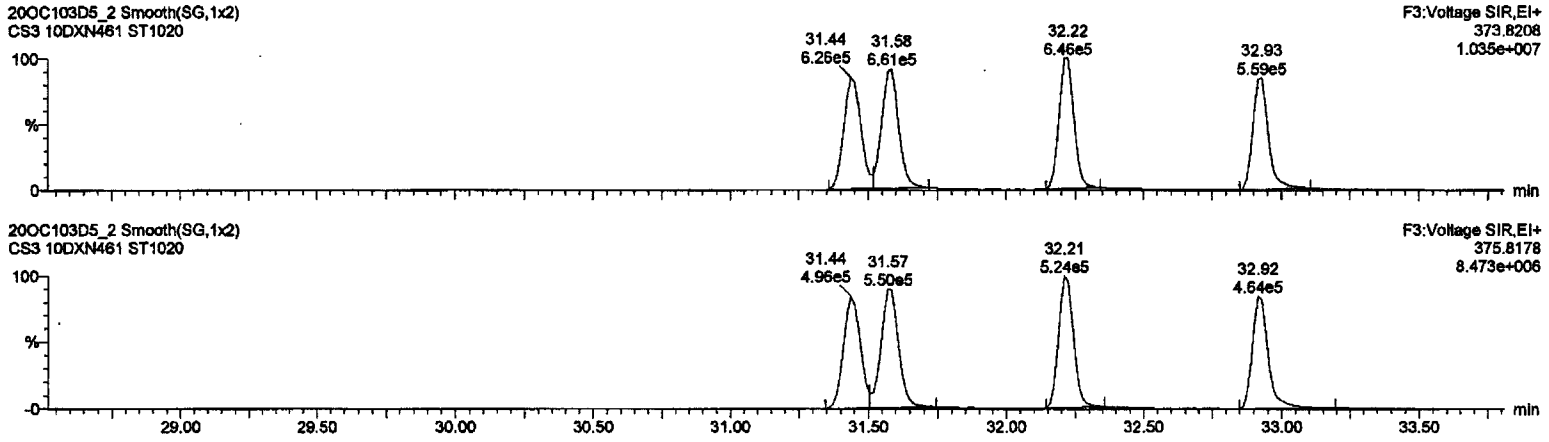
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

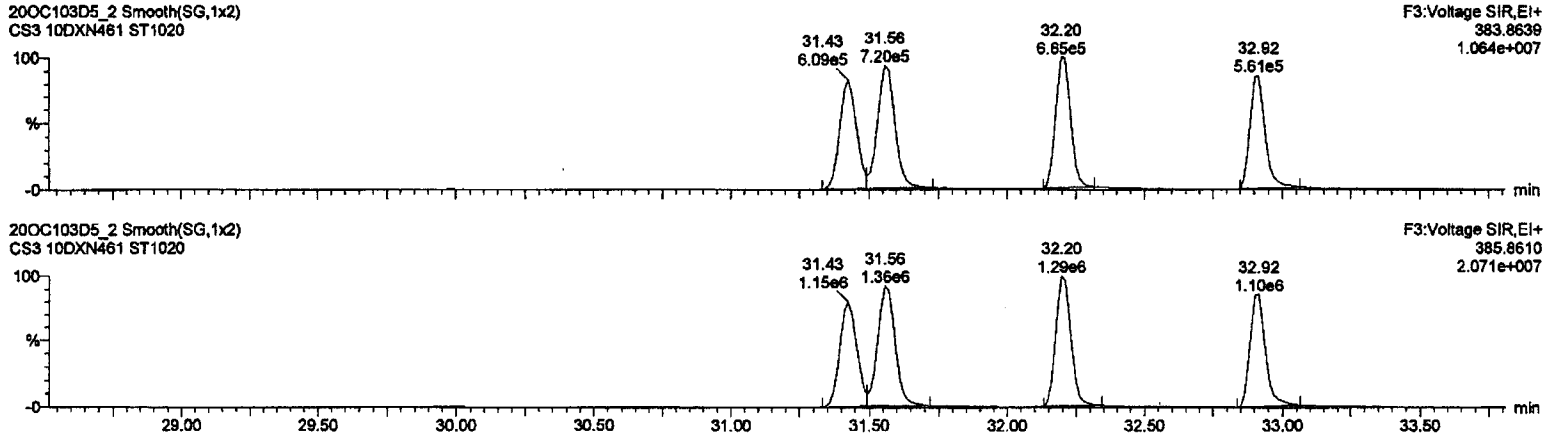
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HxCDFs



13C-HxCDFs



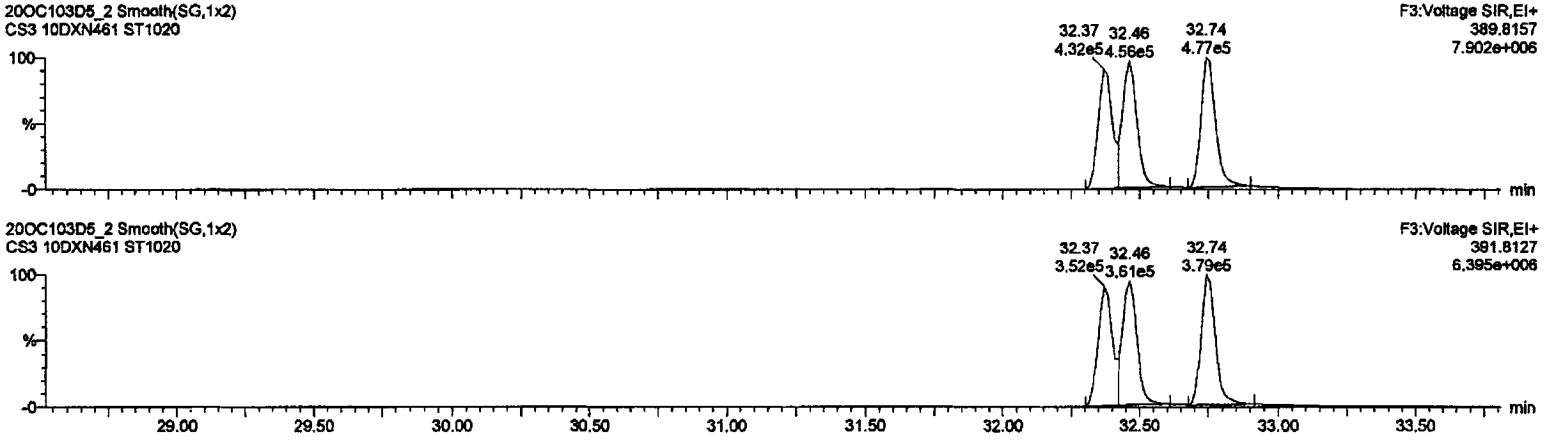
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

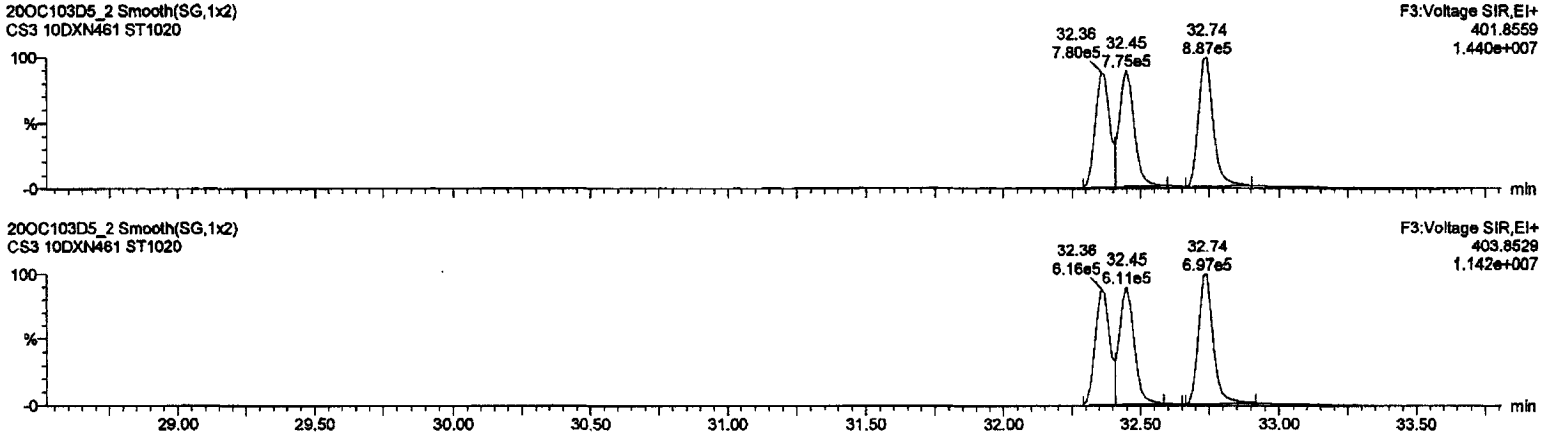
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HxCDDs



13C-HxCDDs



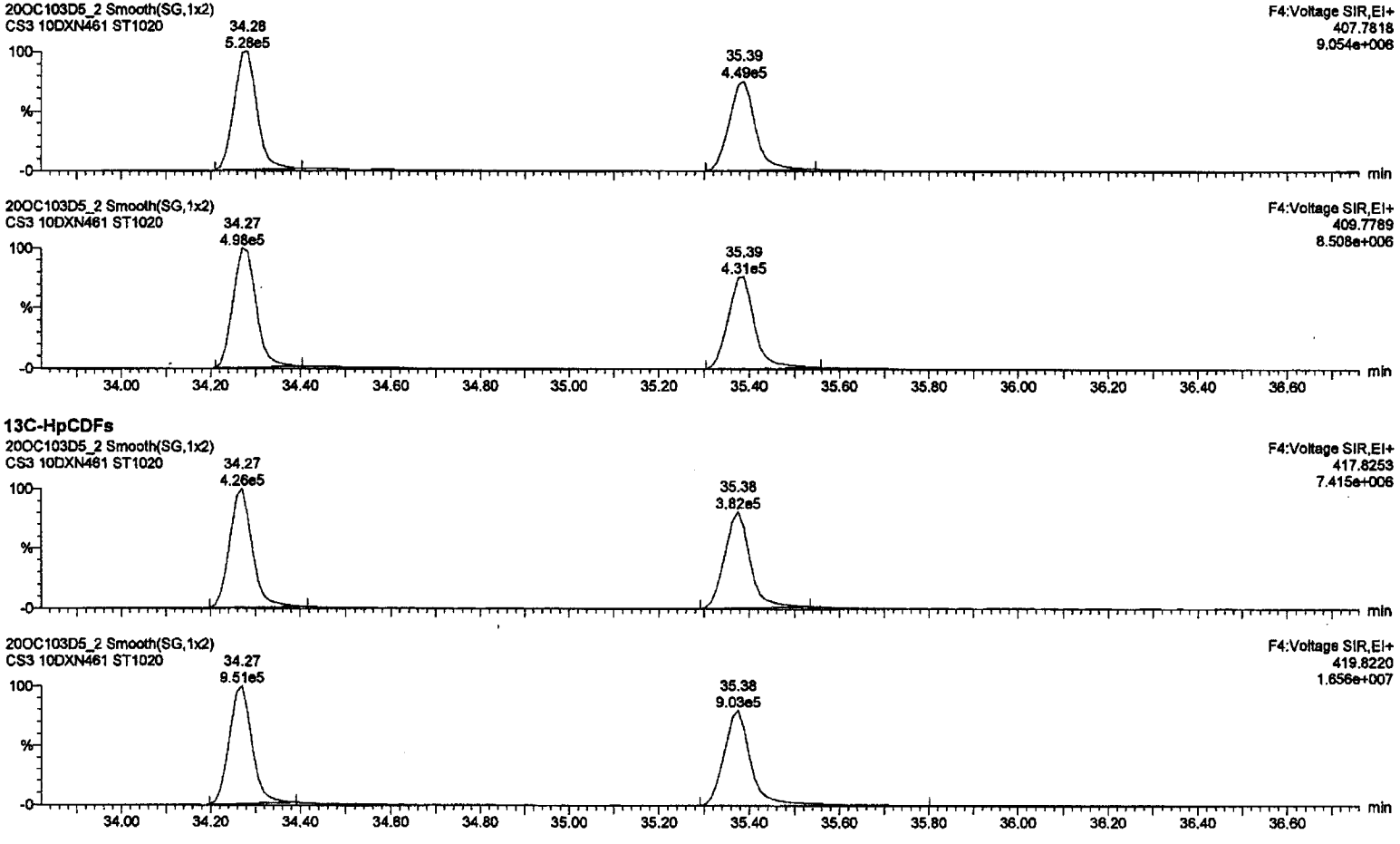
Quantify Sample Report **MassLynx 4.1**

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

HpCDFs



13C-HpCDFs

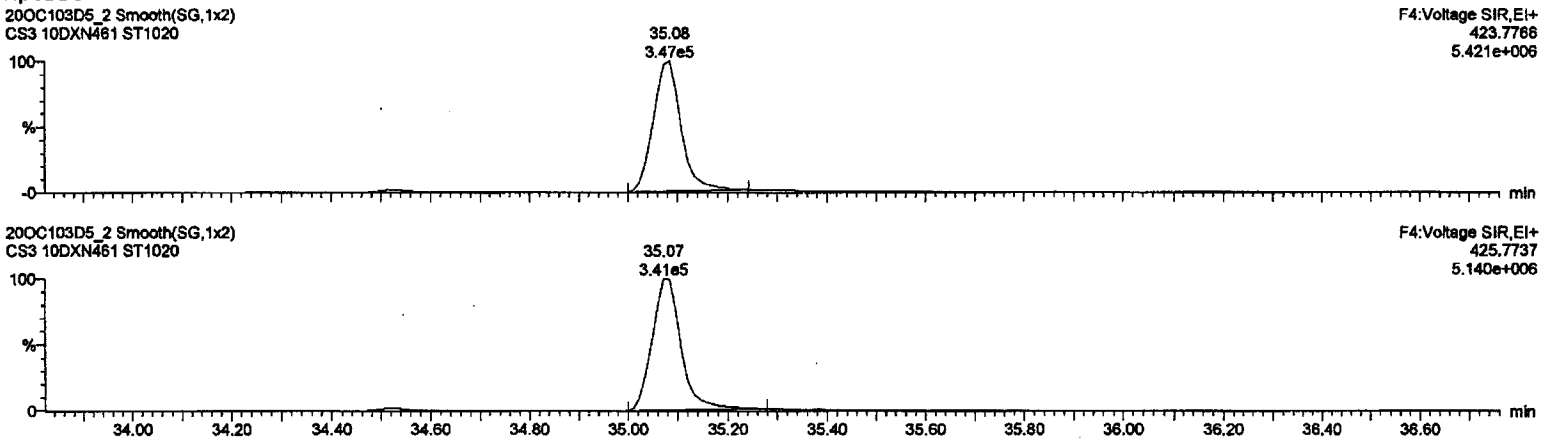
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

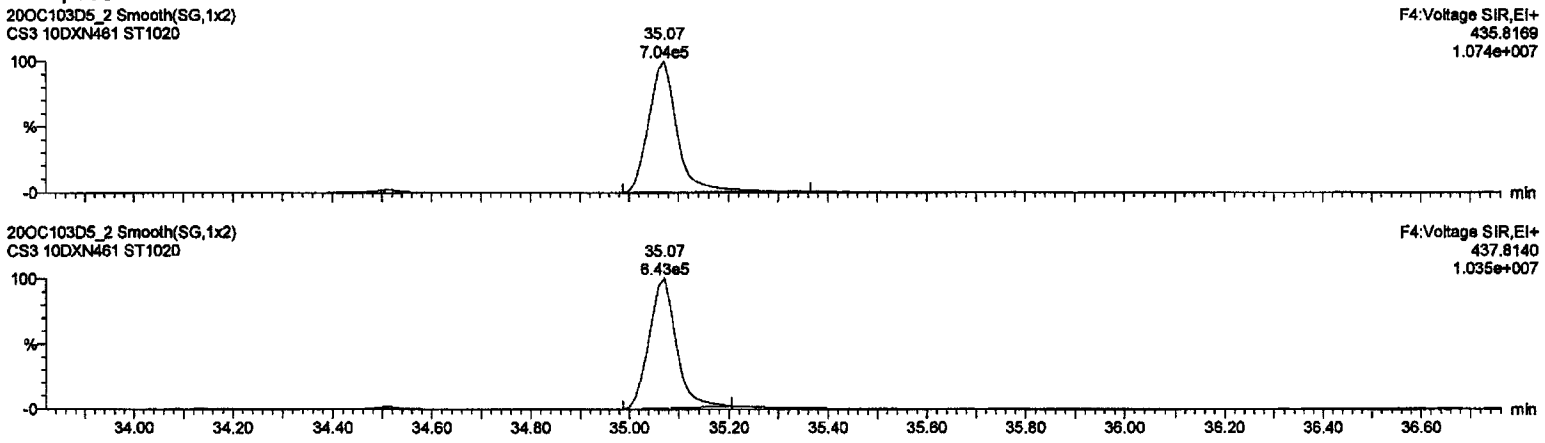
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HpCDDs



13C-HpCDD



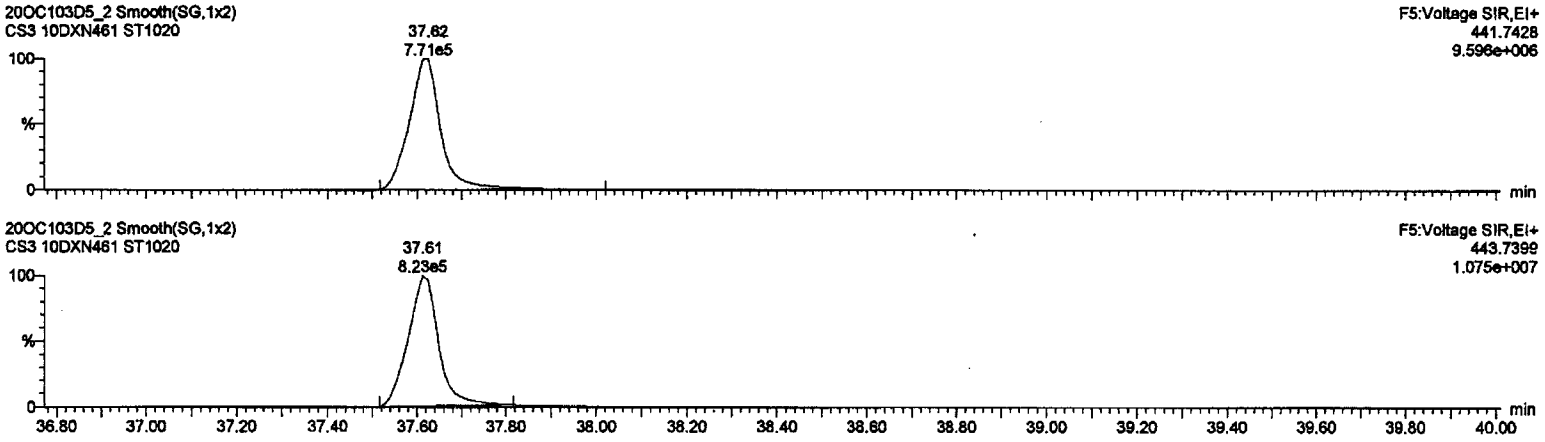
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

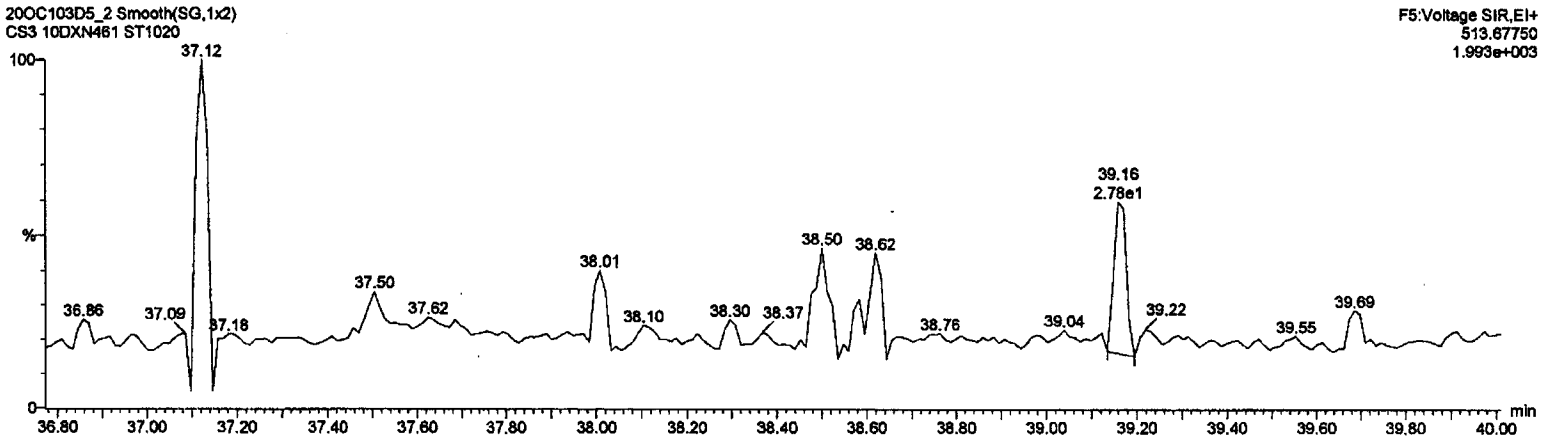
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

OCDFs



OCDF PCDPE



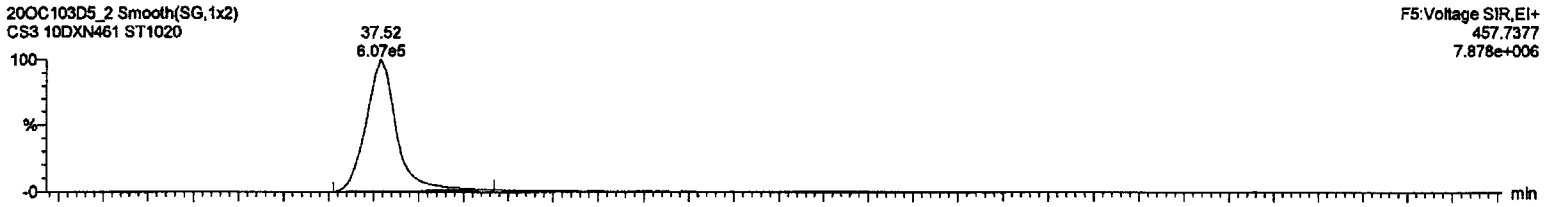
Quantify Sample Report **MassLynx 4.1**

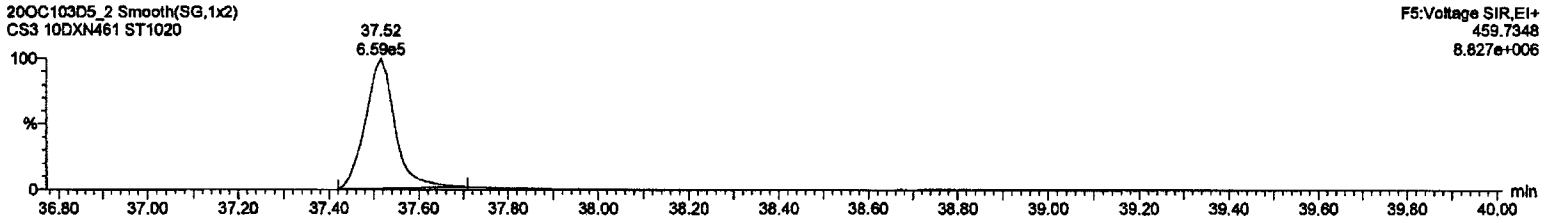
Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

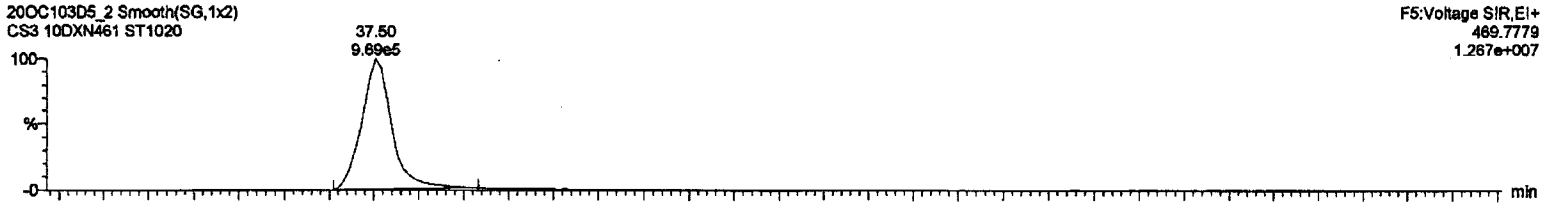
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

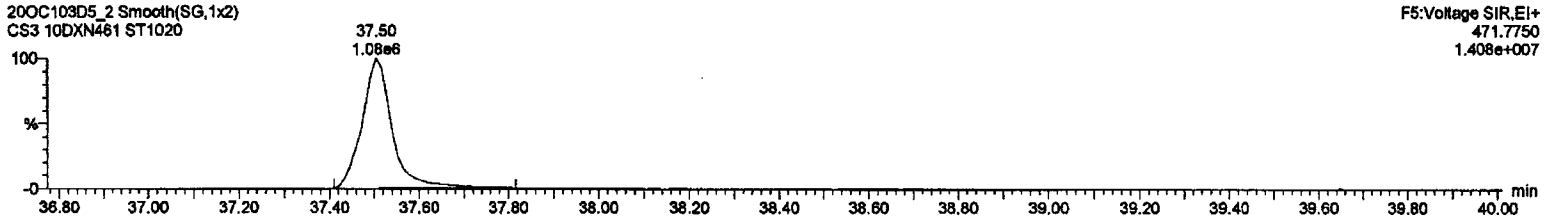
OCDD





13C-OCDD





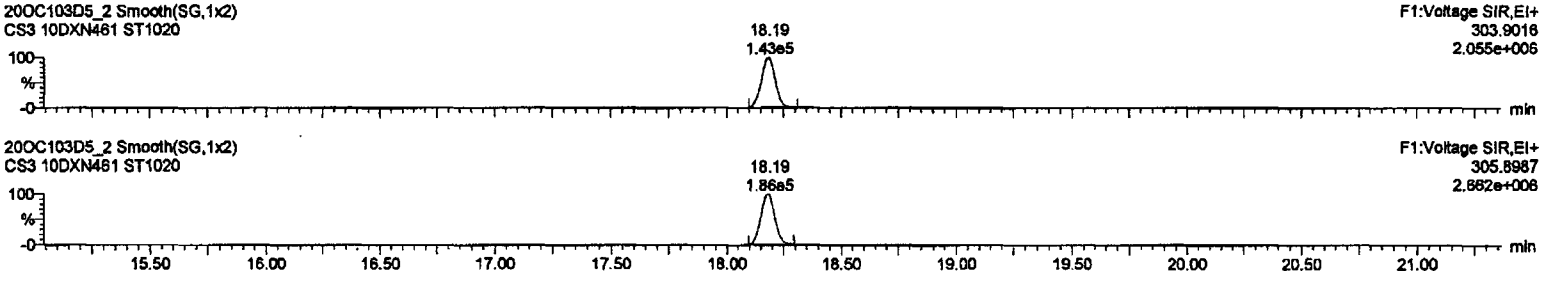
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

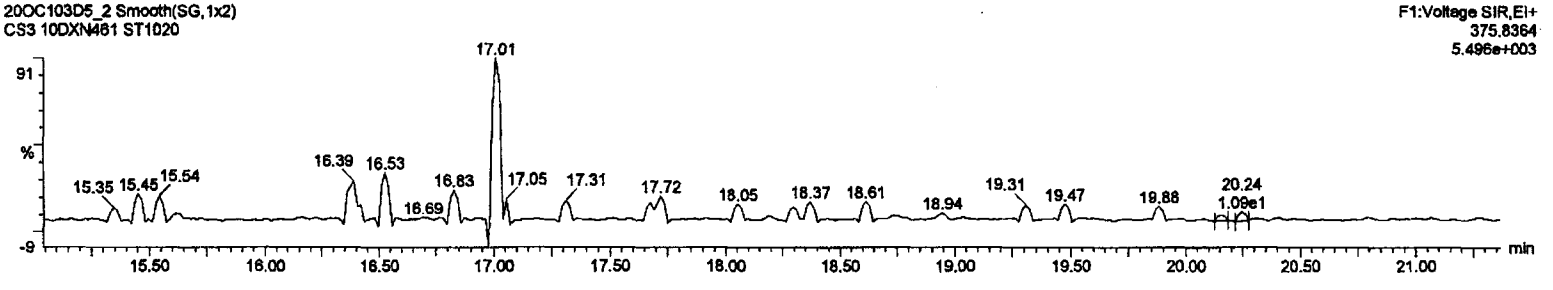
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

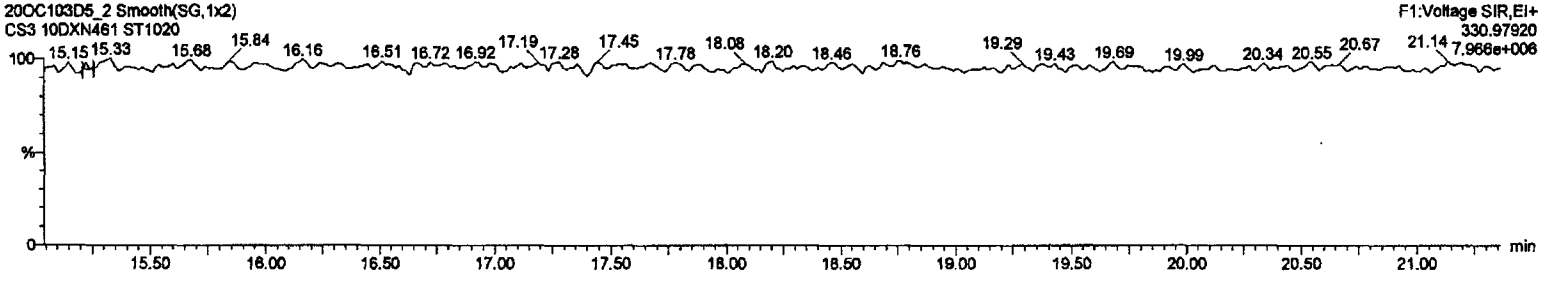
TCDFs



TCDF PCDPE



Function 1 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
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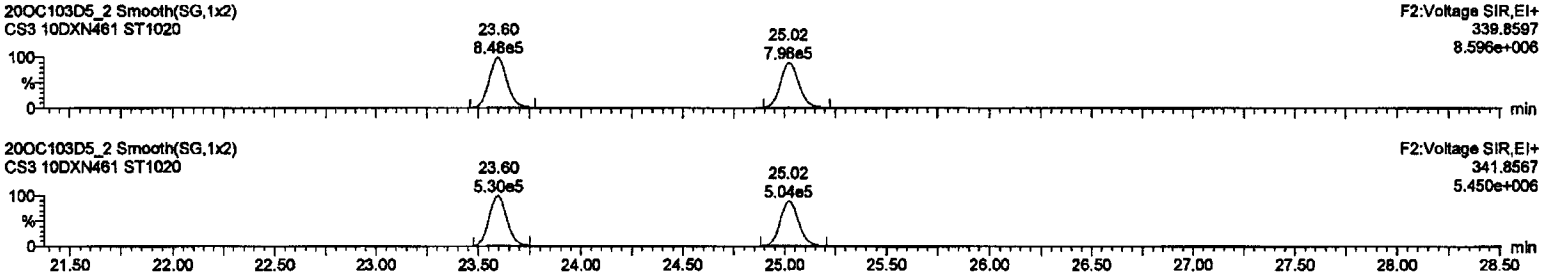
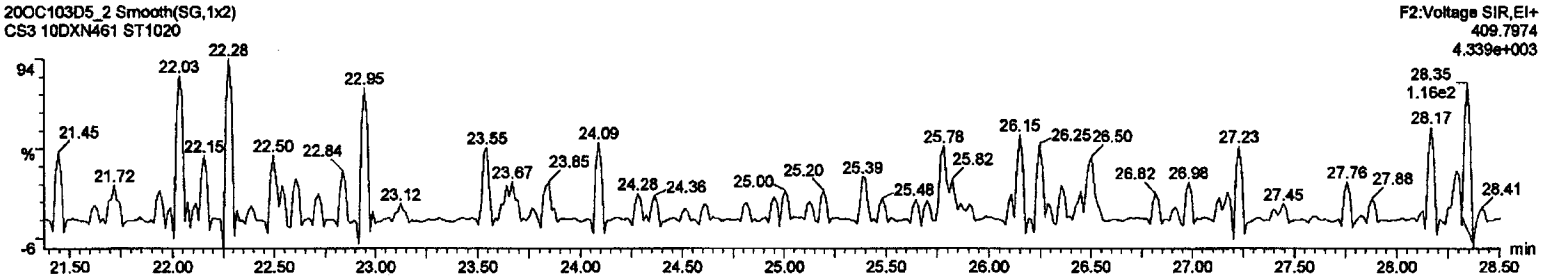
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

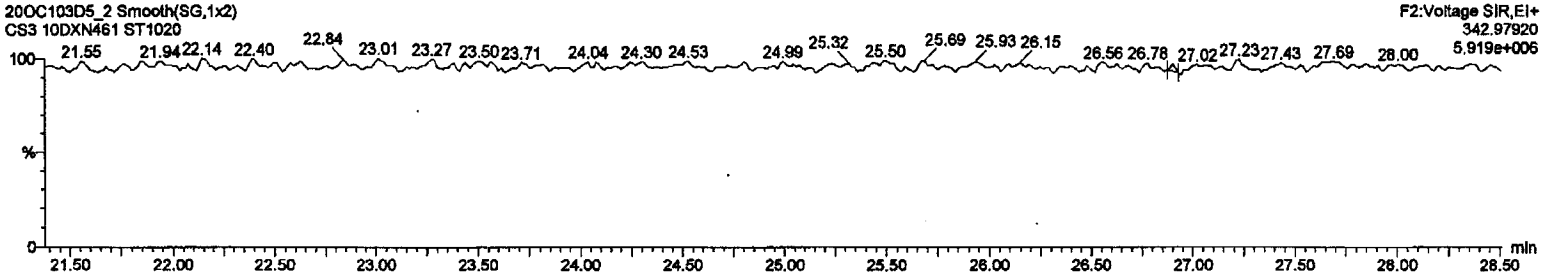
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



Quantify Sample Report **MassLynx 4.1**

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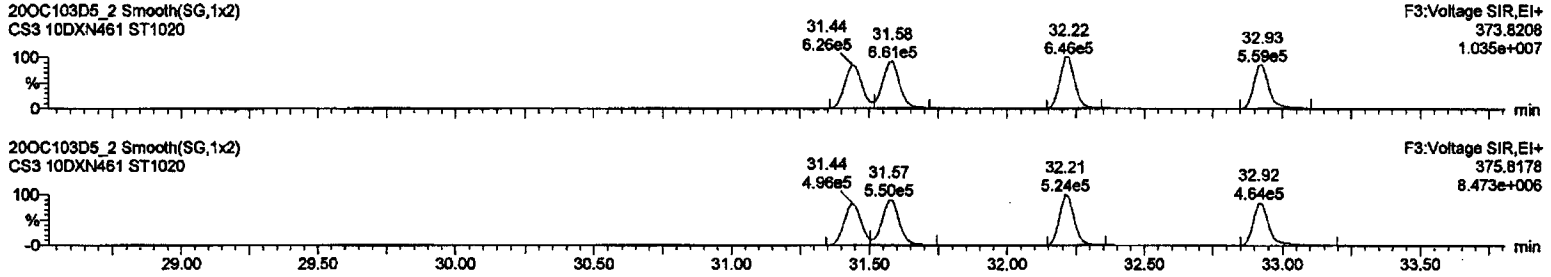
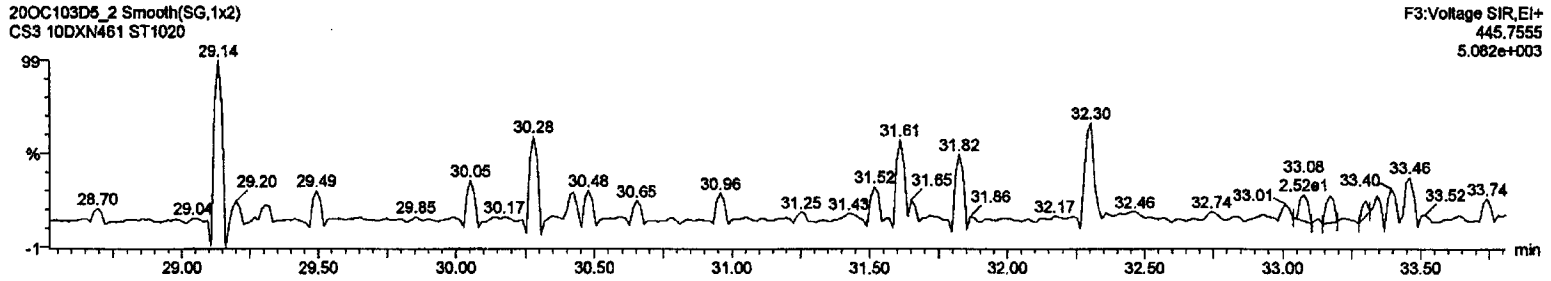
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

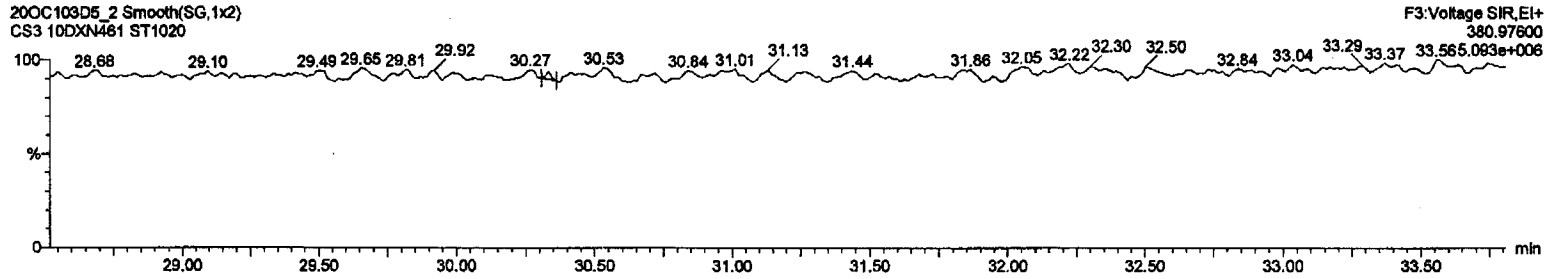
HxCDFs



HxCDF PCDPE



Function 3 PFK



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
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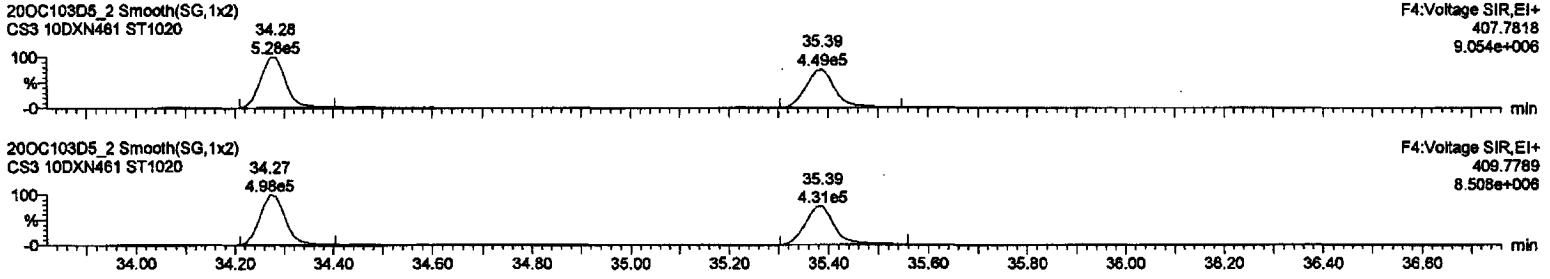
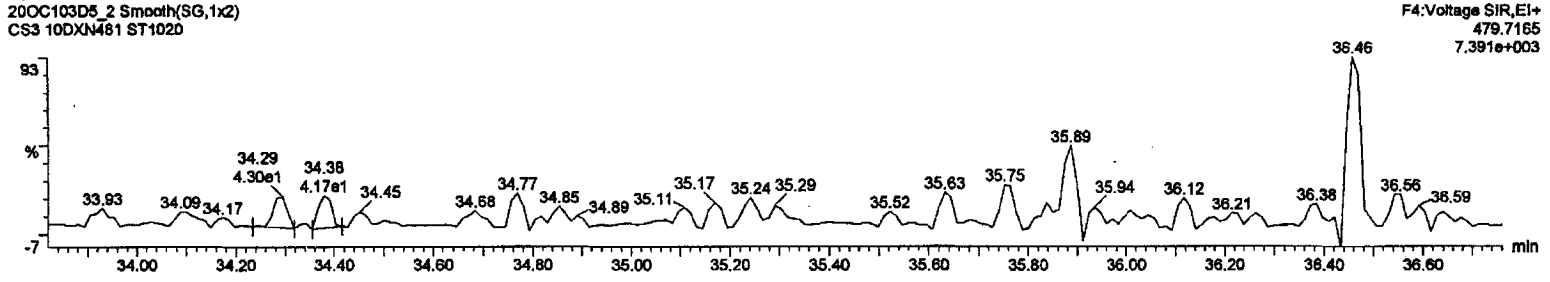
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

HpCDFs



HpCDF PCDPE



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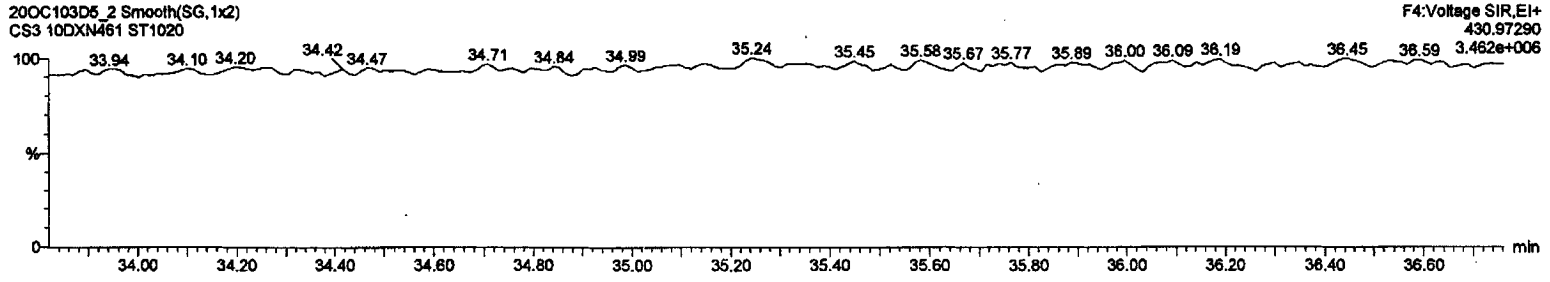

Quantify Sample Report **MassLynx 4.1**

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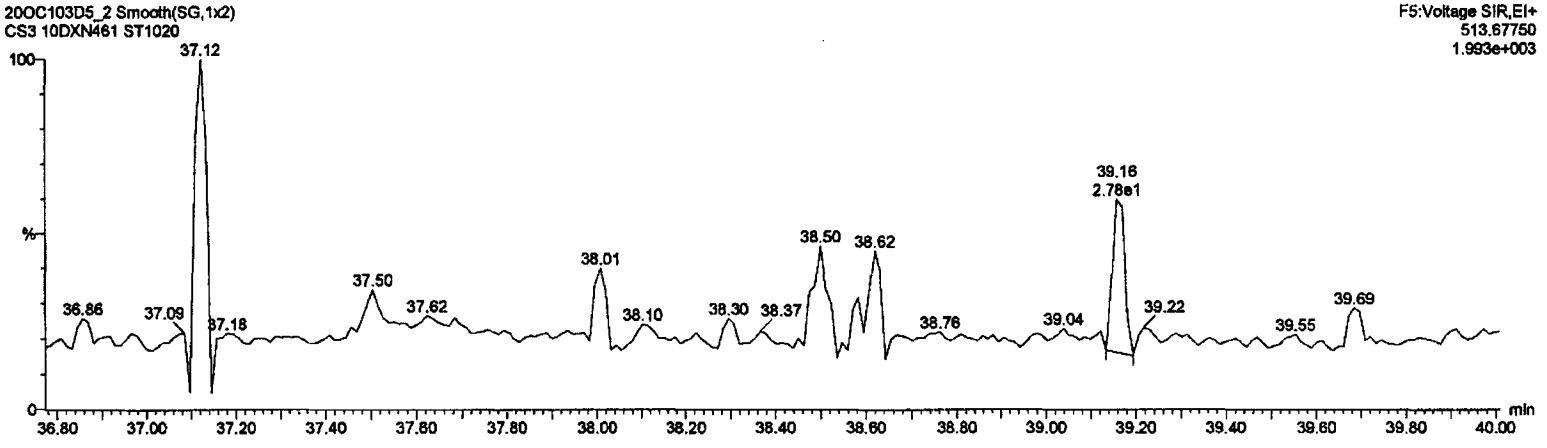
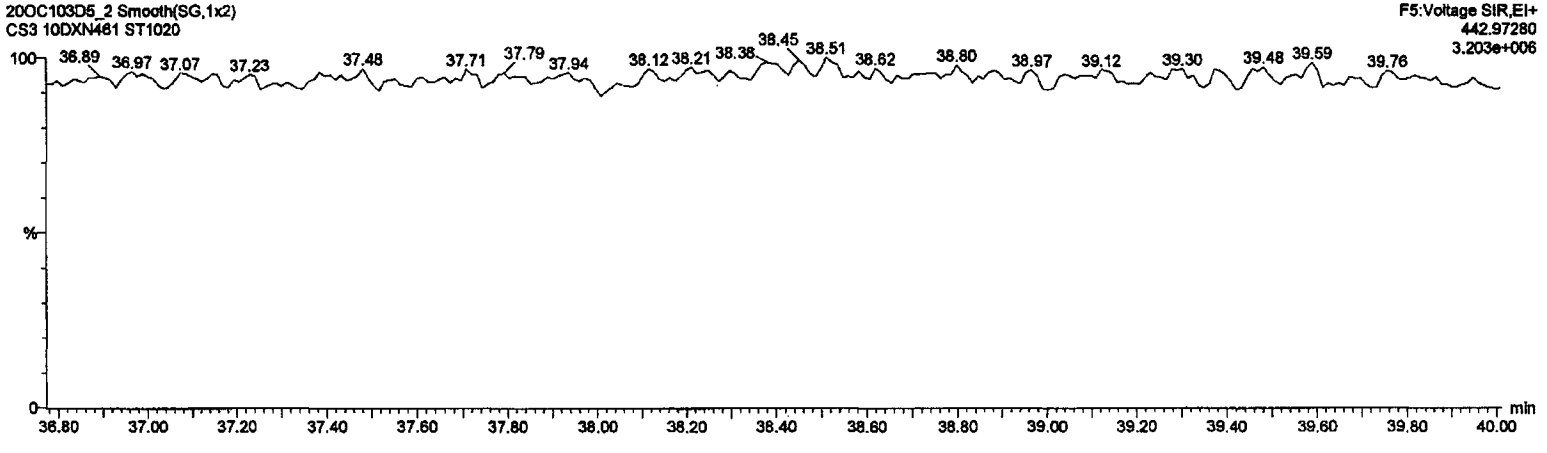
Name: 20OC103D5_2, Date: 20-Oct-2010, Time: 11:43:56, ID: ST1020, Description: CS3 10DXN461

OCDF PCDPE



Function 5 PFK



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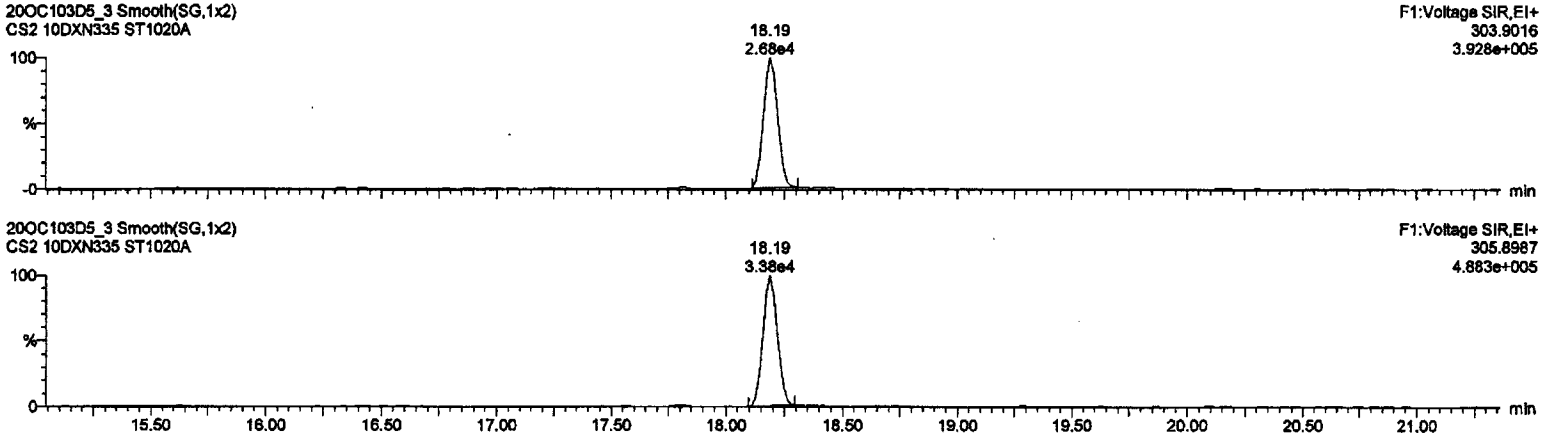
Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

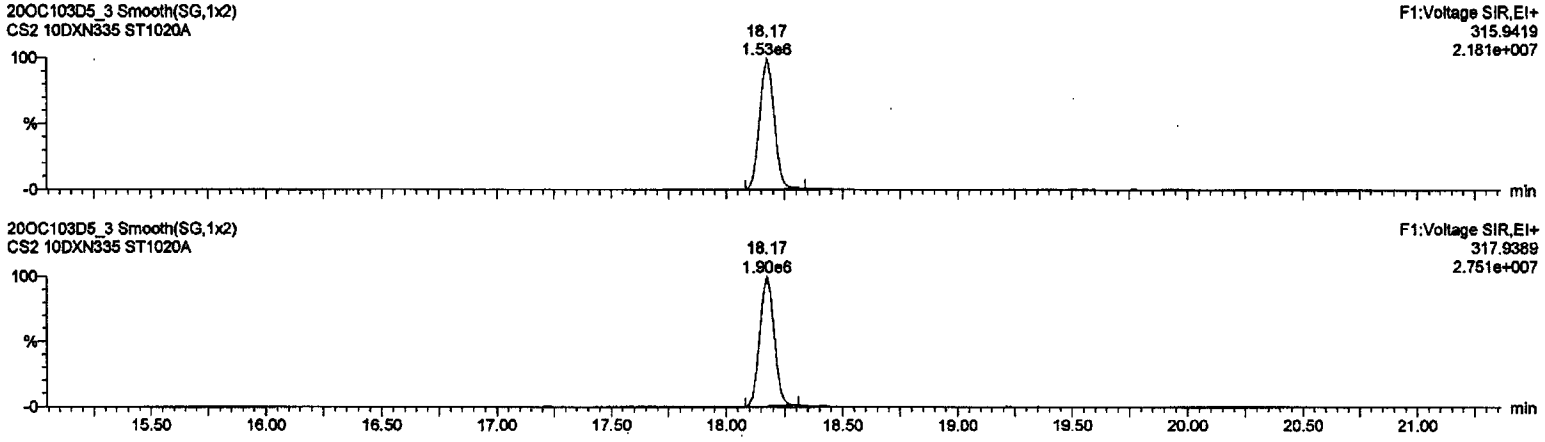
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

TCDFs



13C-TCDF



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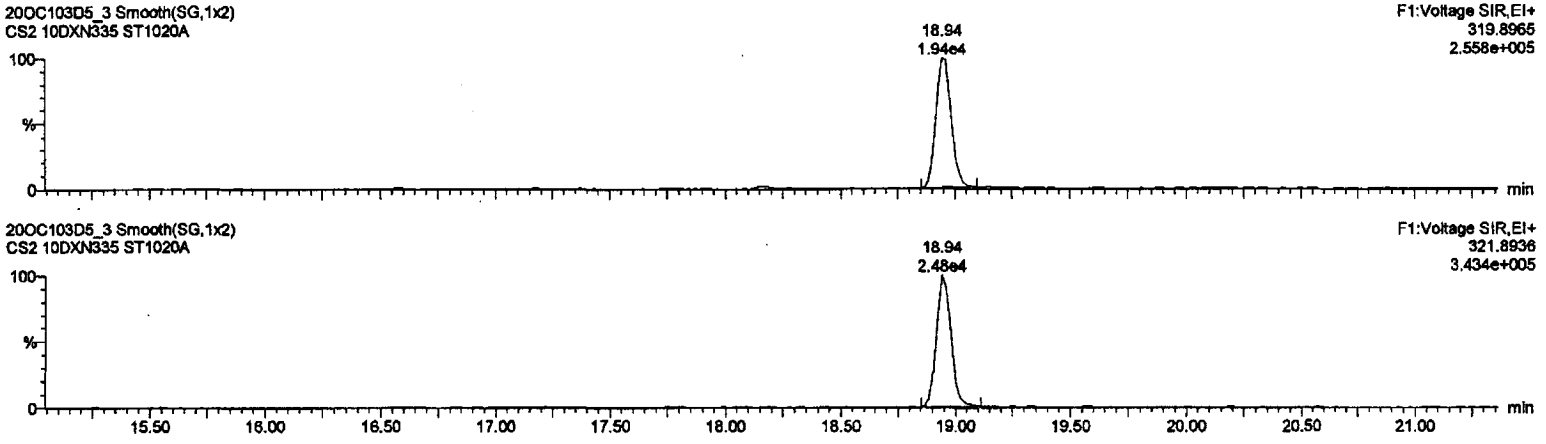
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

TCDDs



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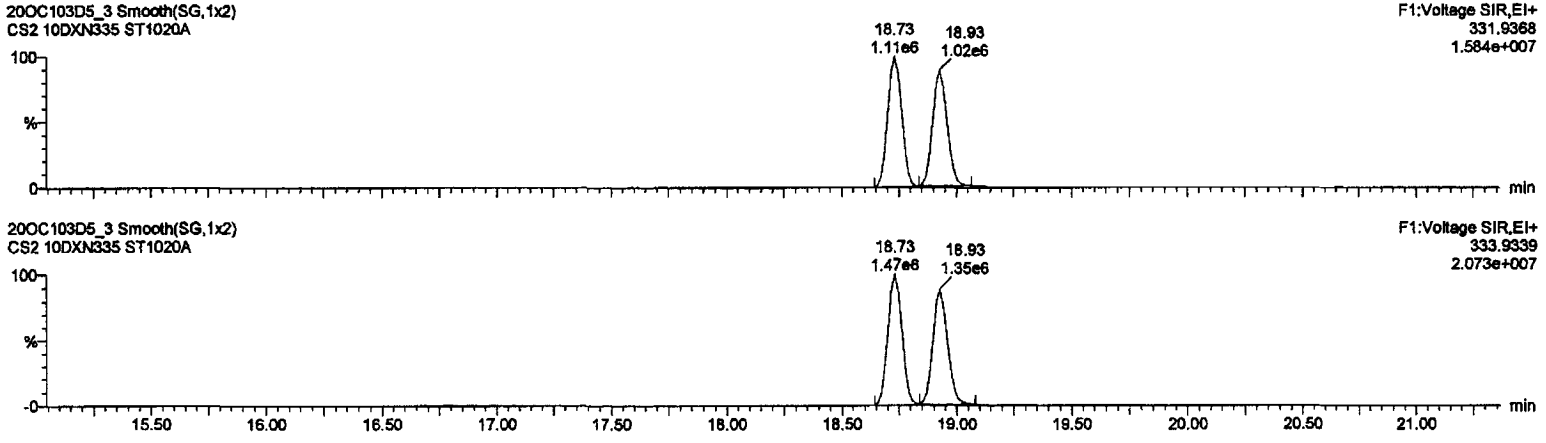

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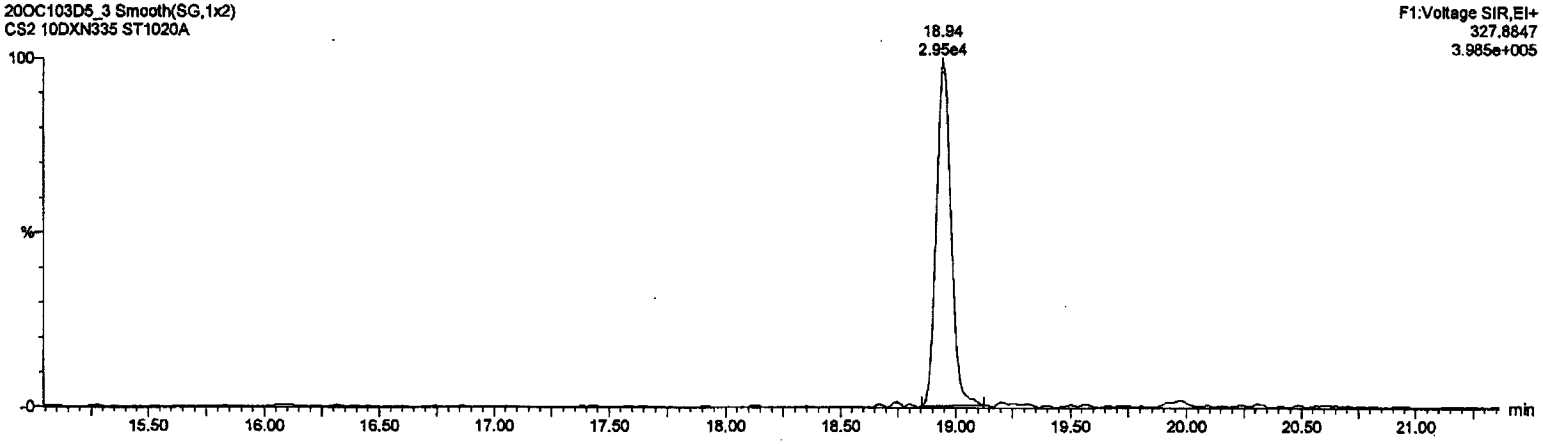
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

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



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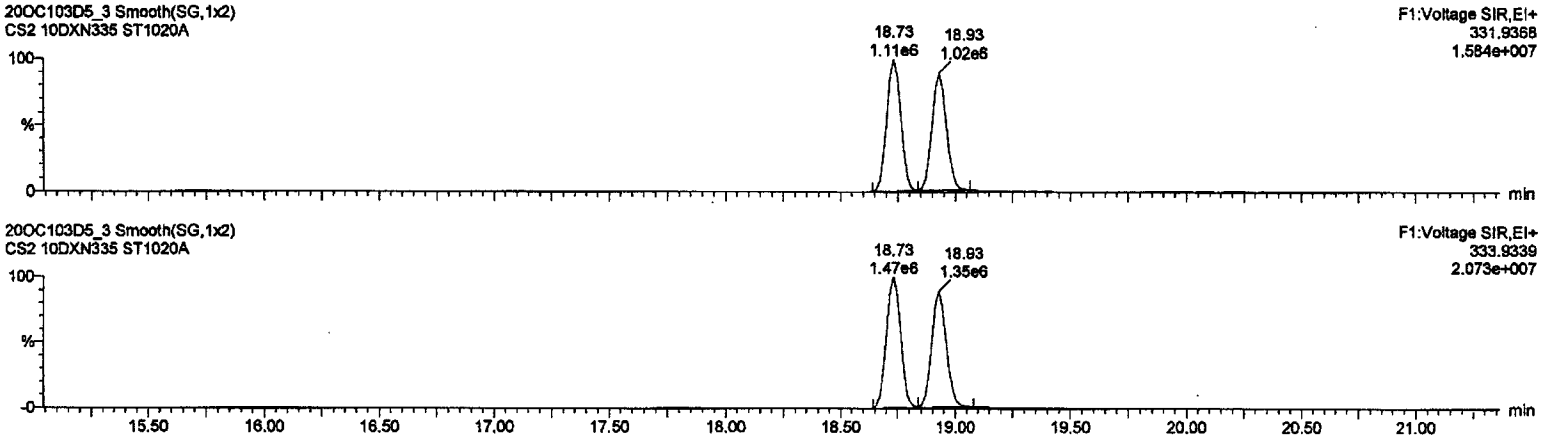

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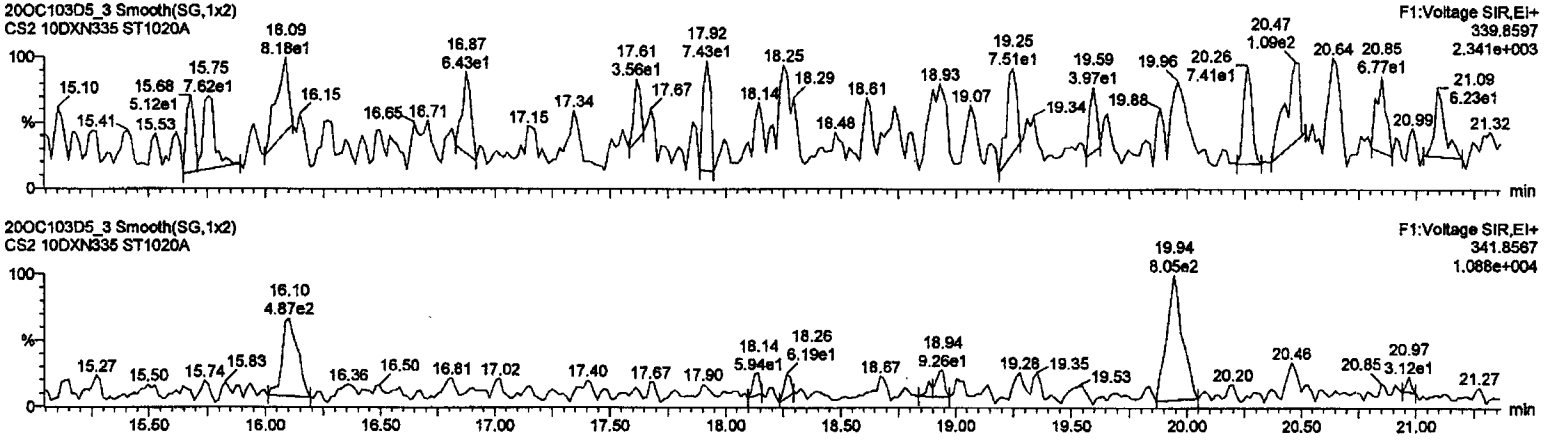
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

F1 PeCDFs



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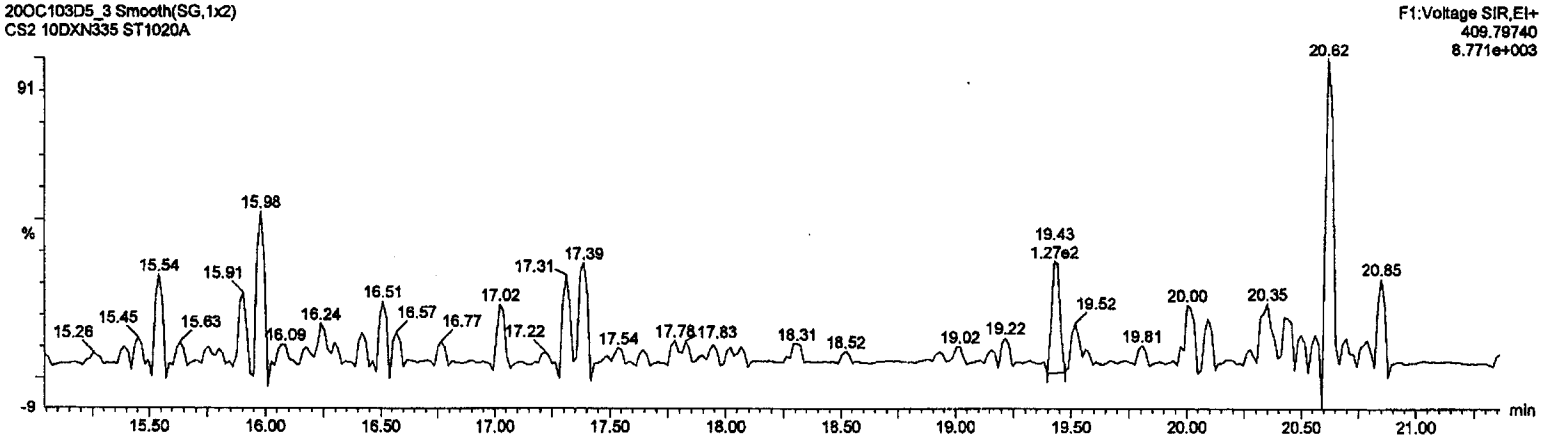

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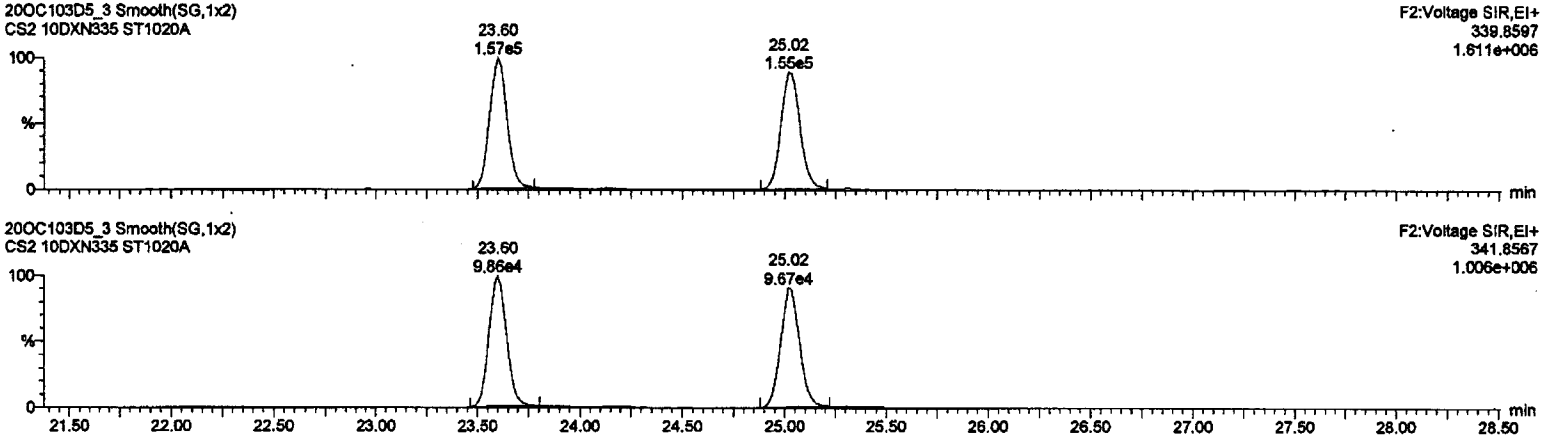
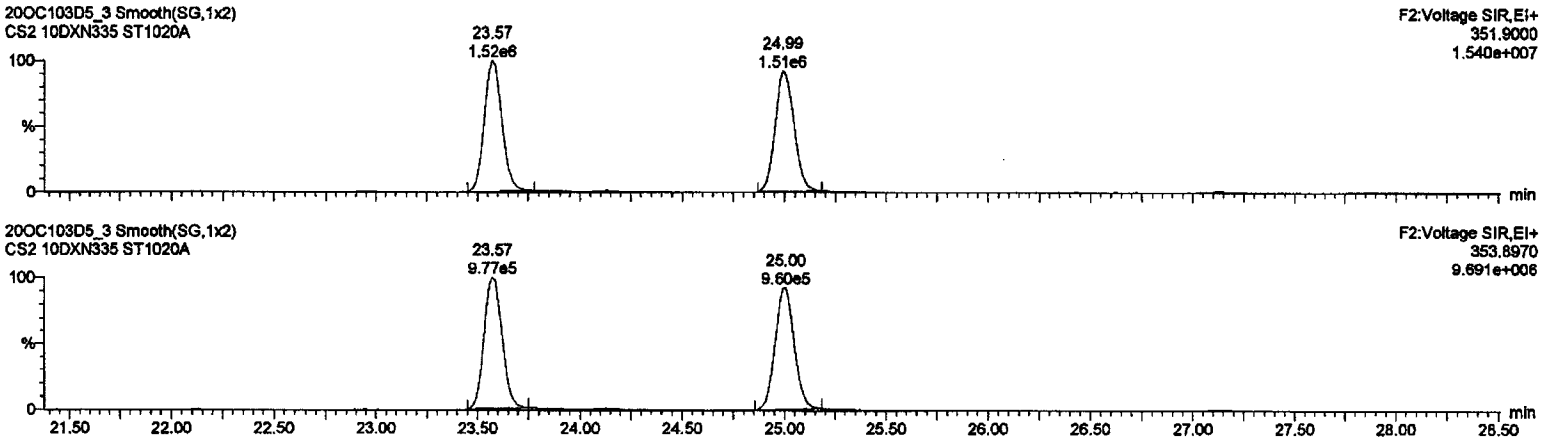
PeCDFs



13C-PeCDFs



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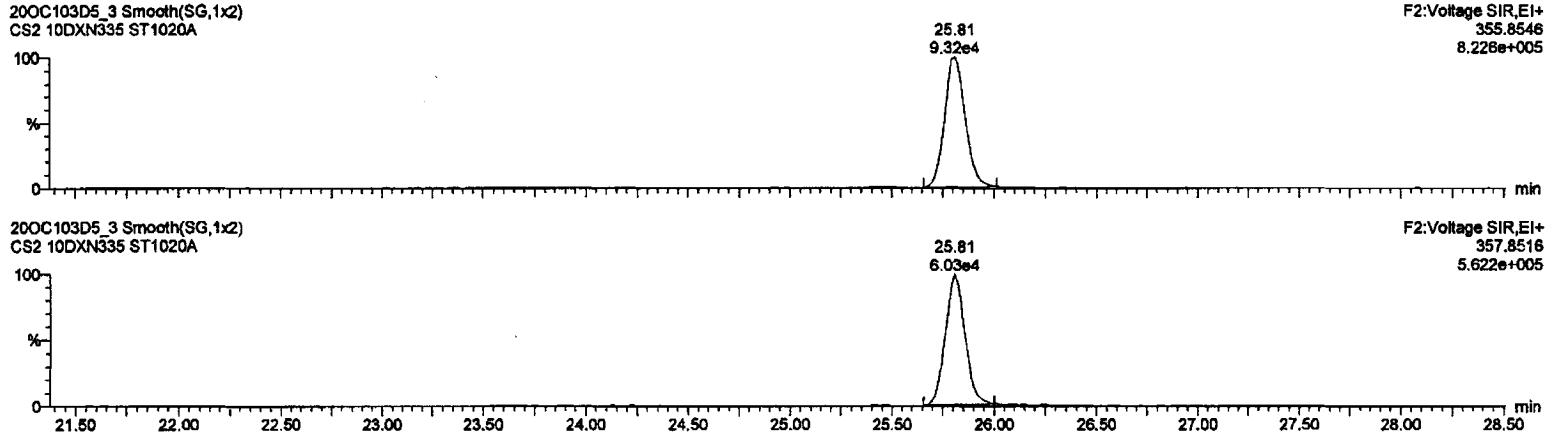
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

PeCDDs



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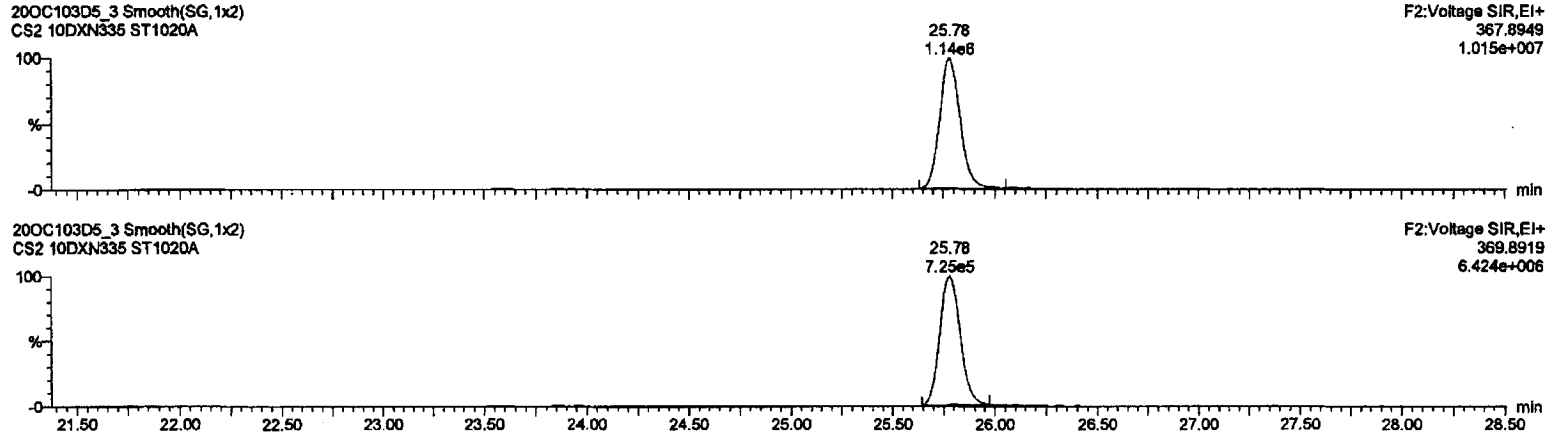

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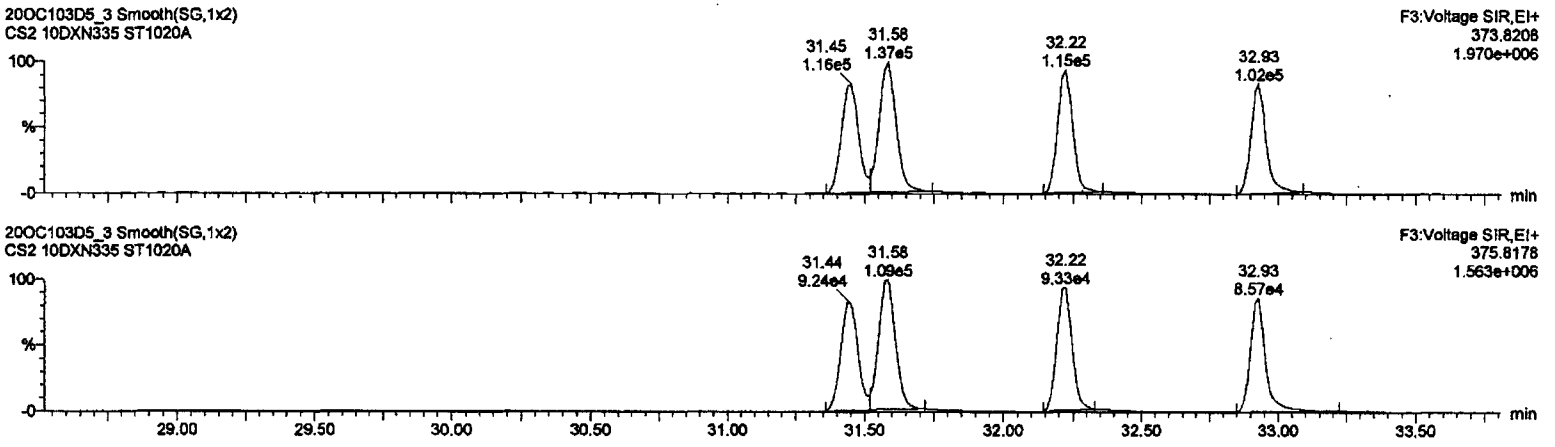
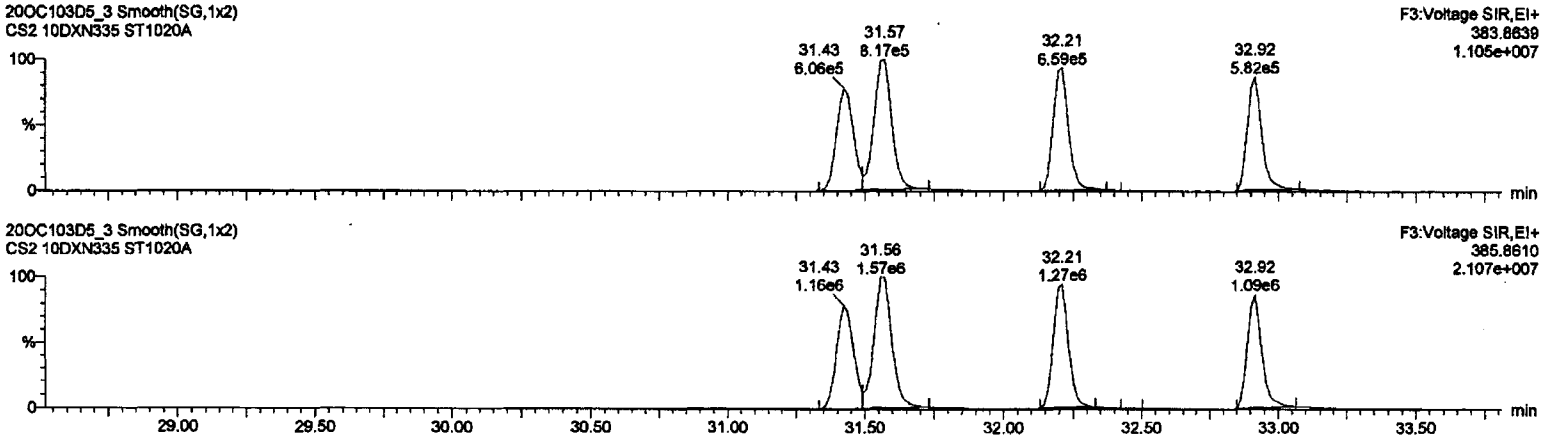
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

HxCDFs



13C-HxCDFs



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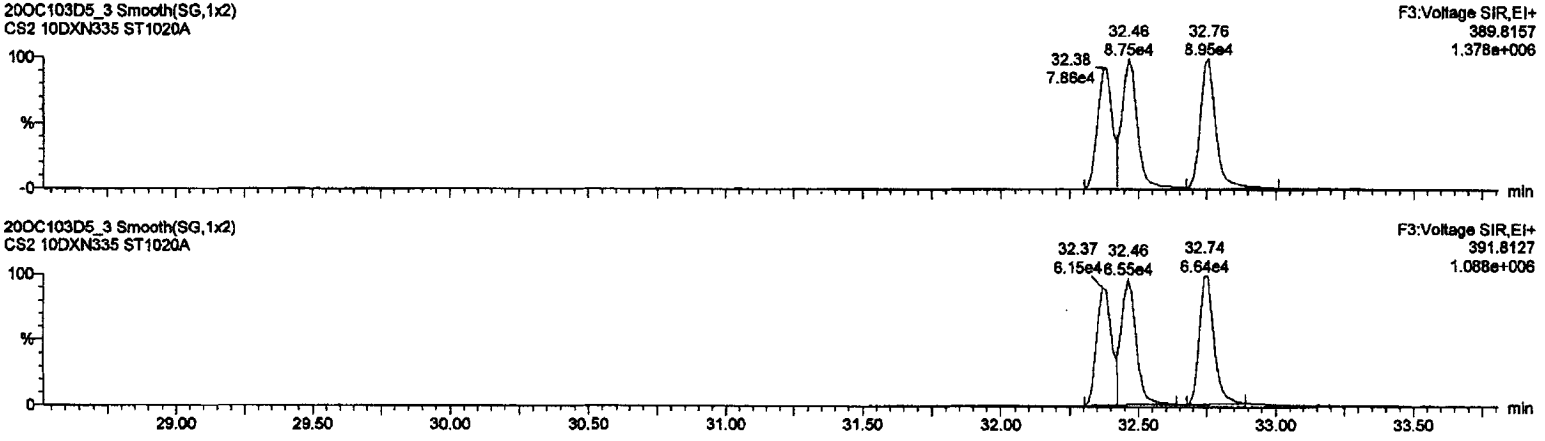
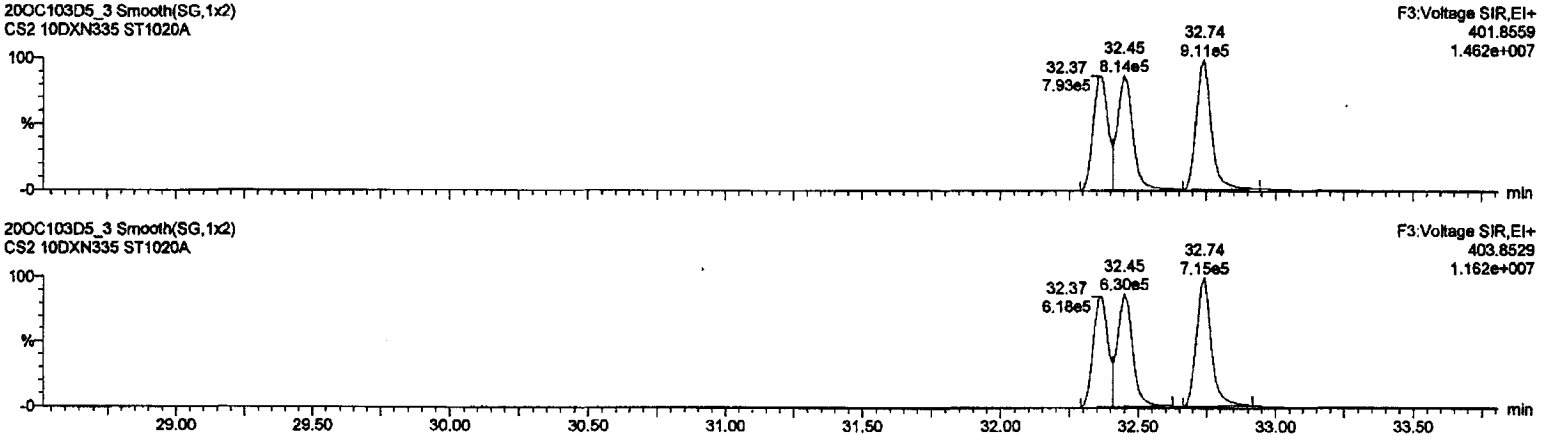
HxCDDs



13C-HxCDDs



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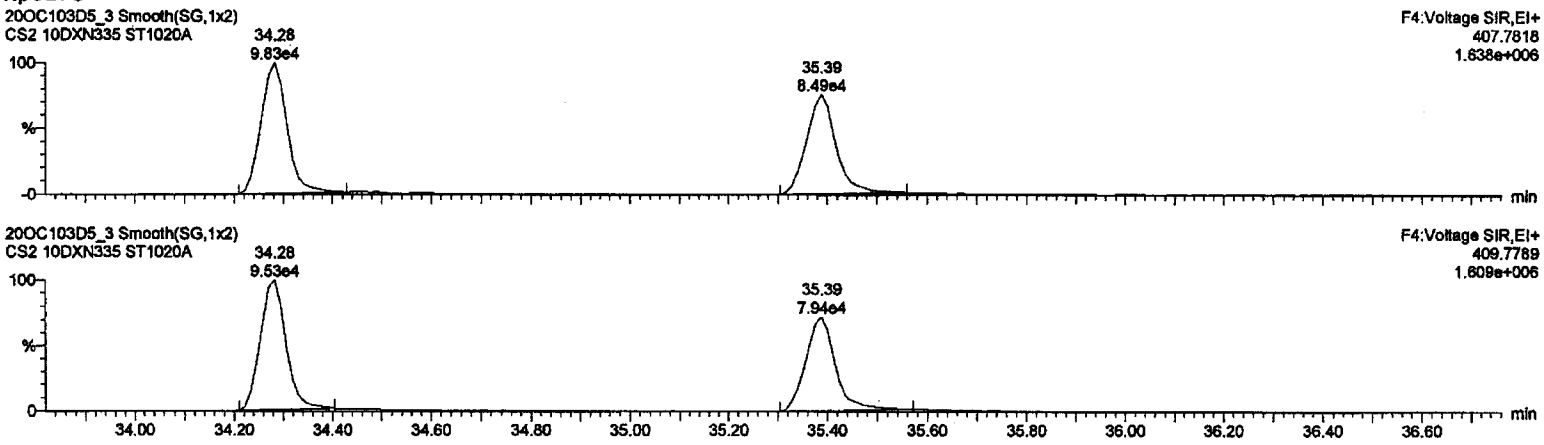
HpCDFs



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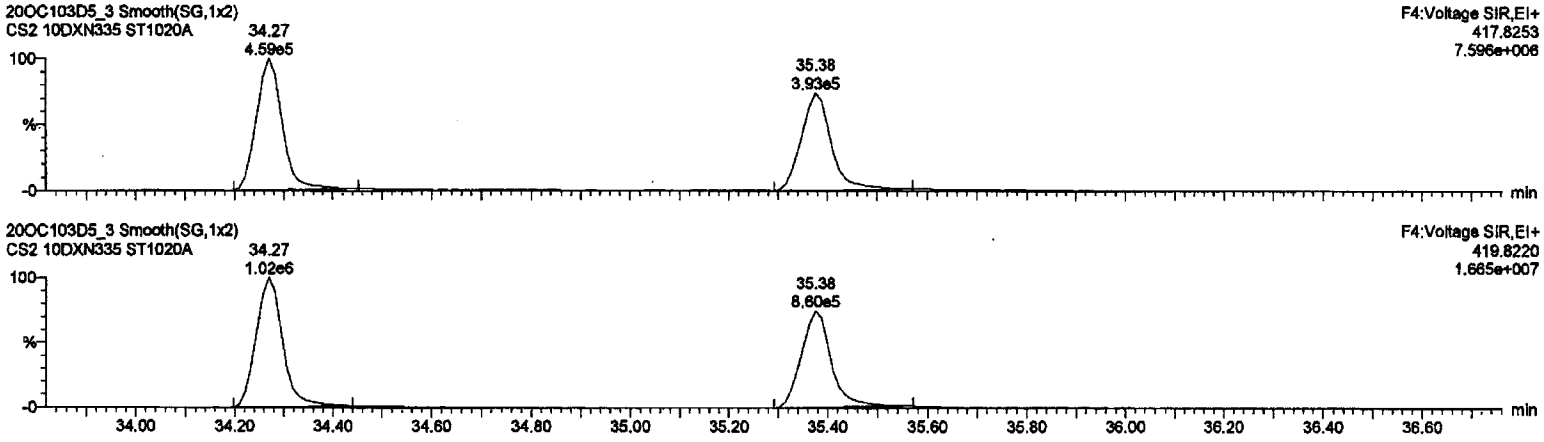

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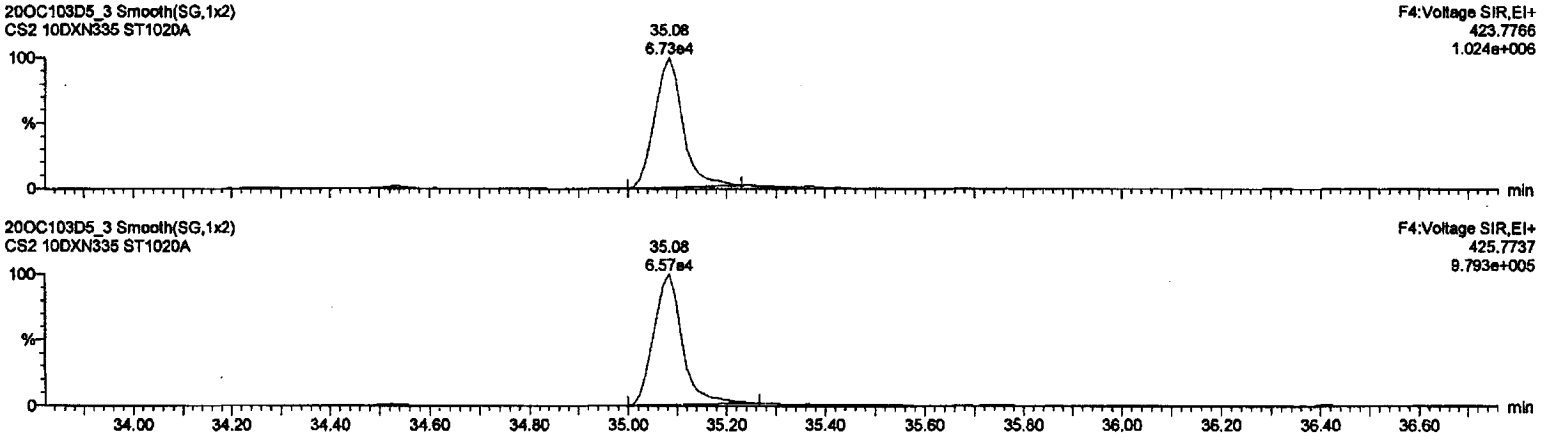
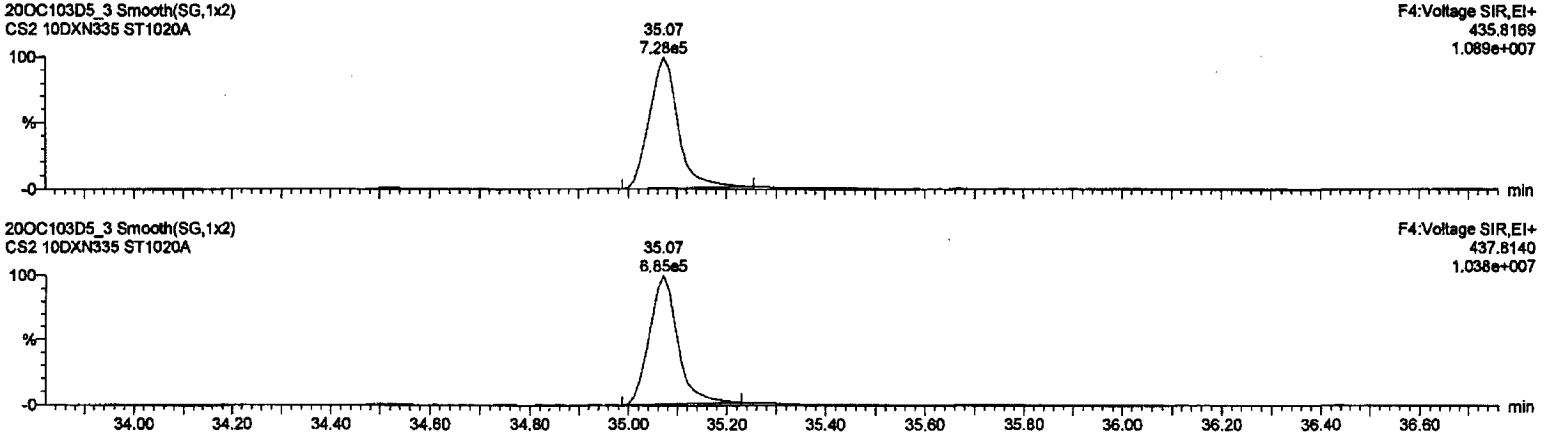
HpCDDs



13C-HpCDD



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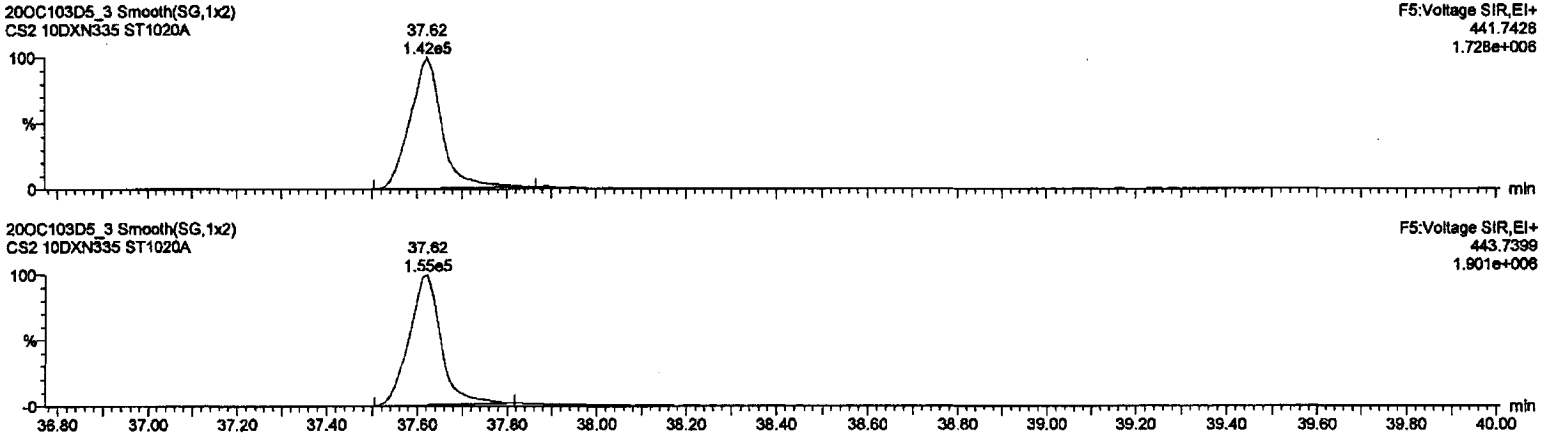
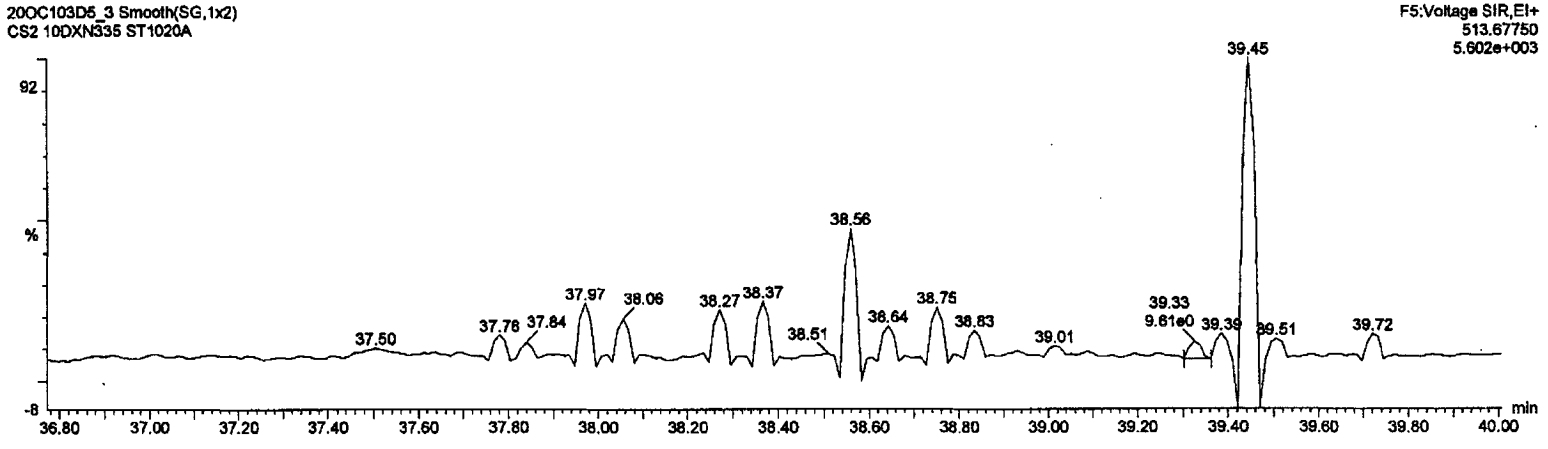
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

OCDFs



OCDF PCDPE



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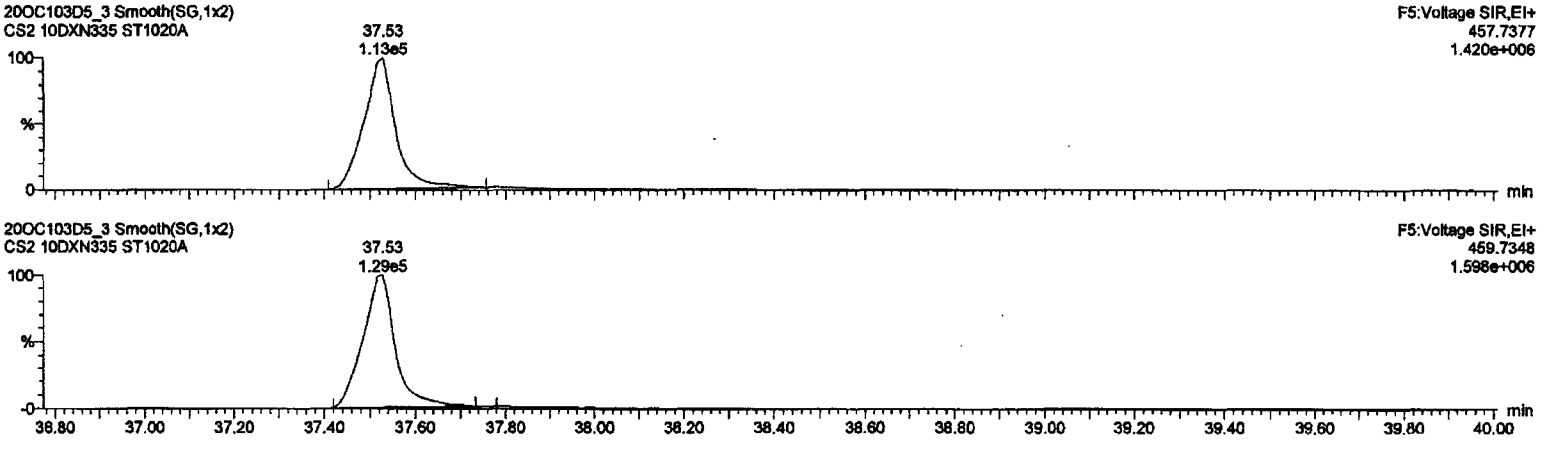
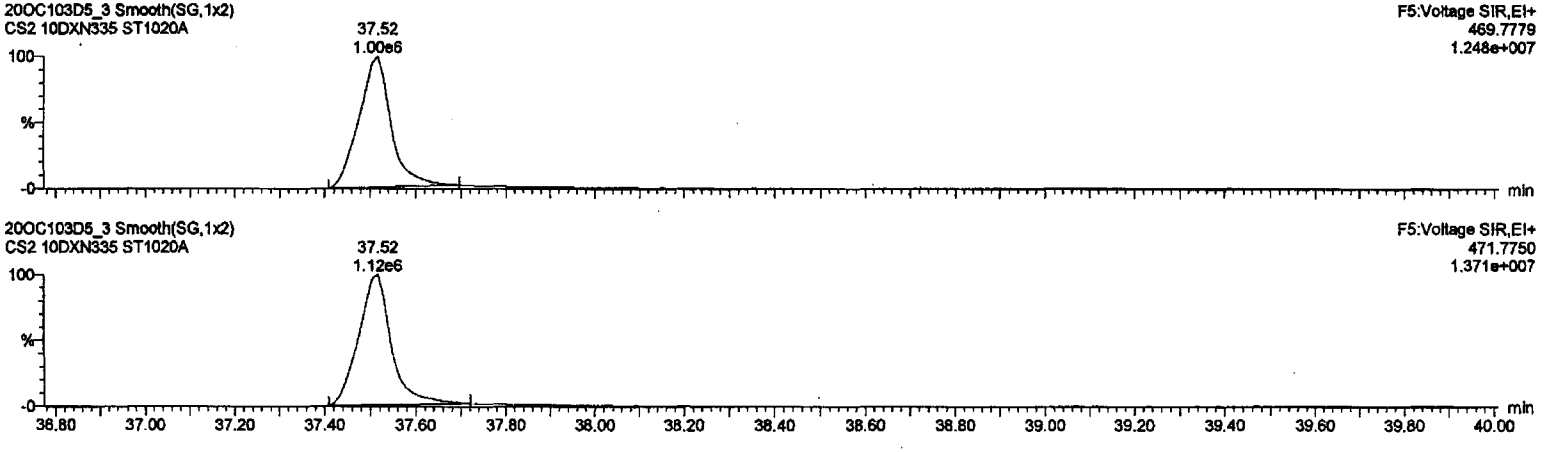
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

OCDD



13C-OCDD



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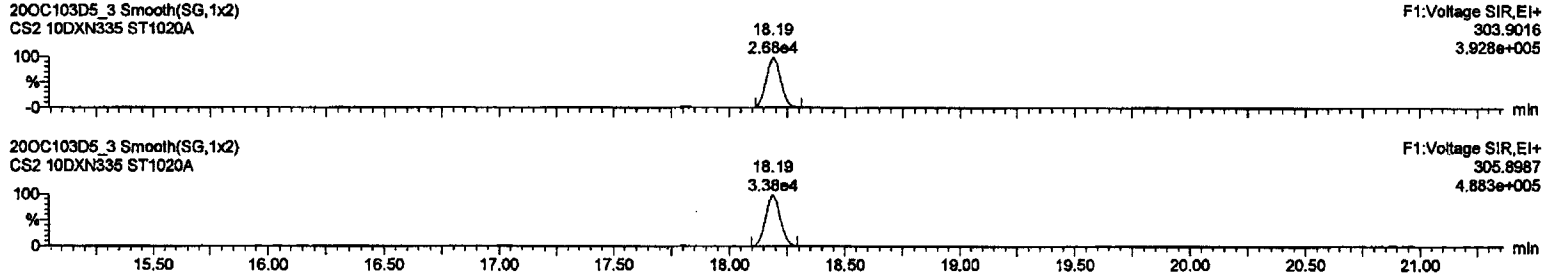
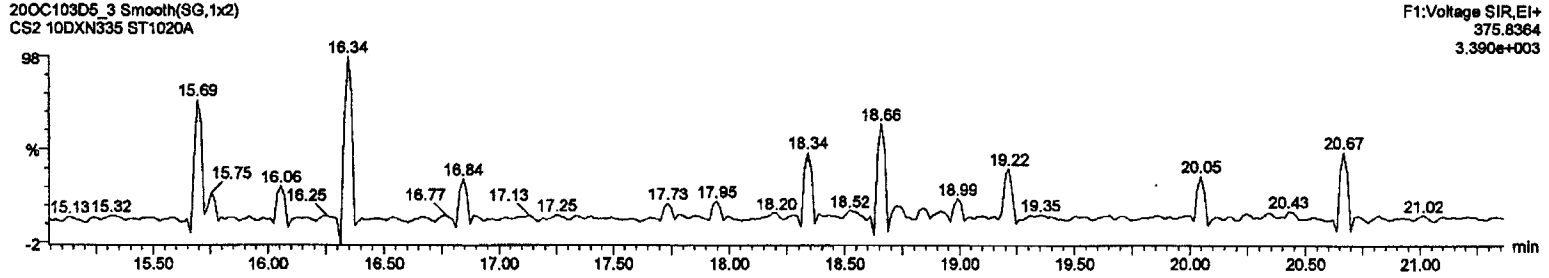
Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

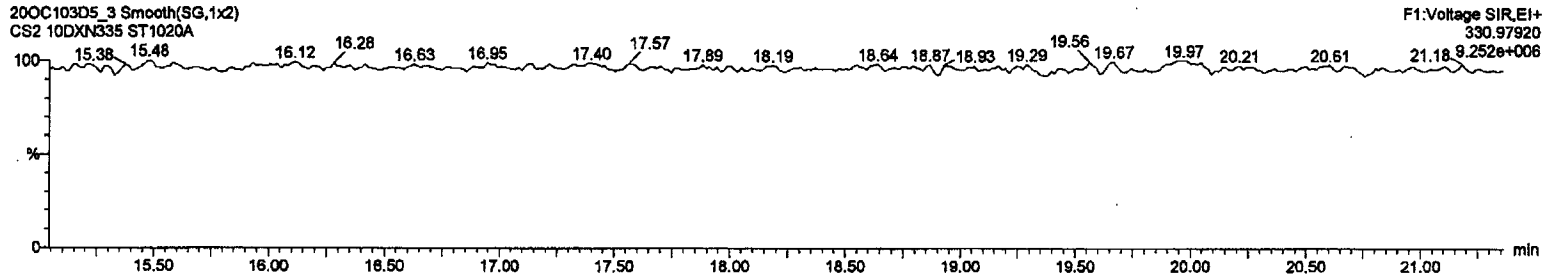
TCDFs



TCDF PCDPE



Function 1 PFK



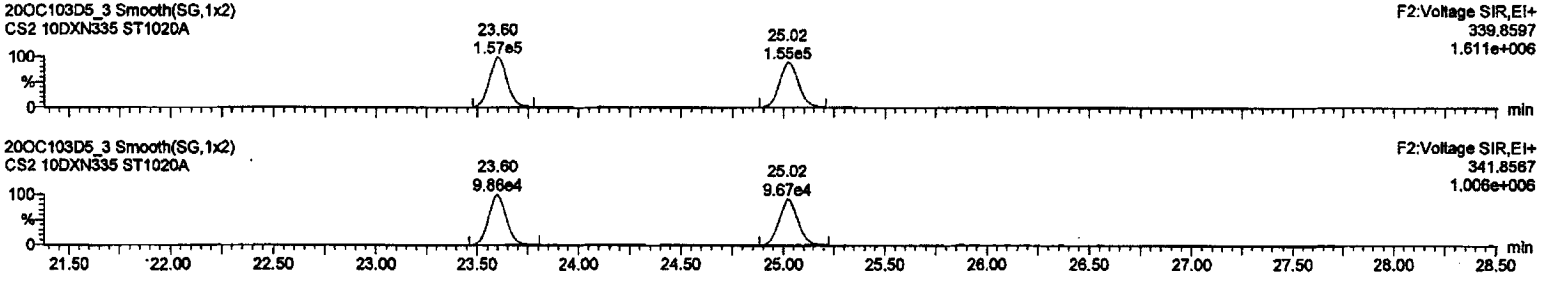
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

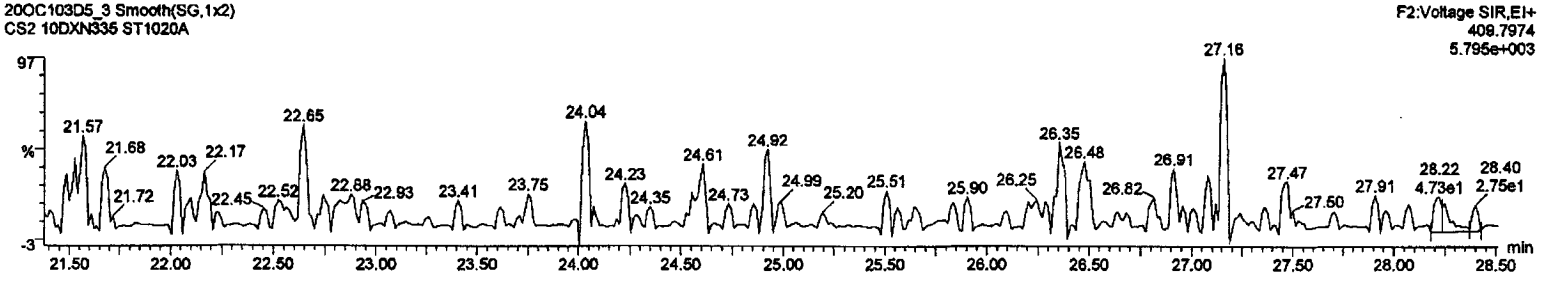
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

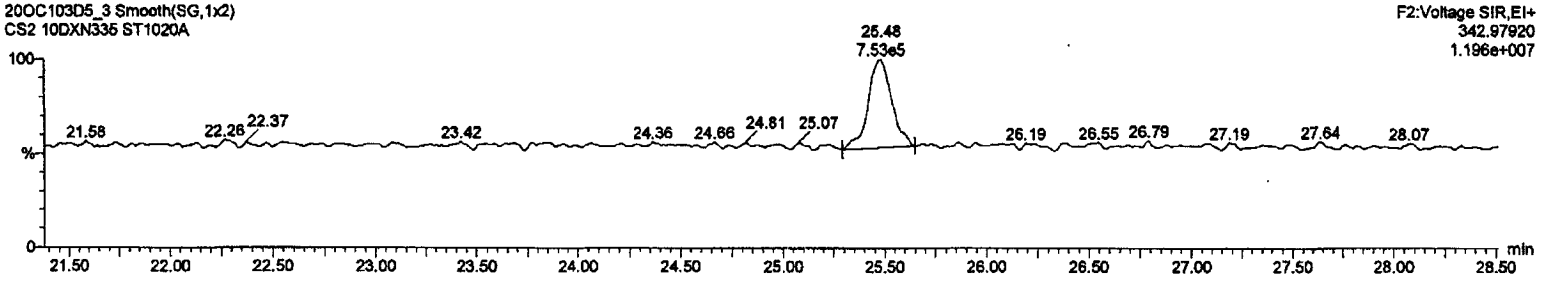
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



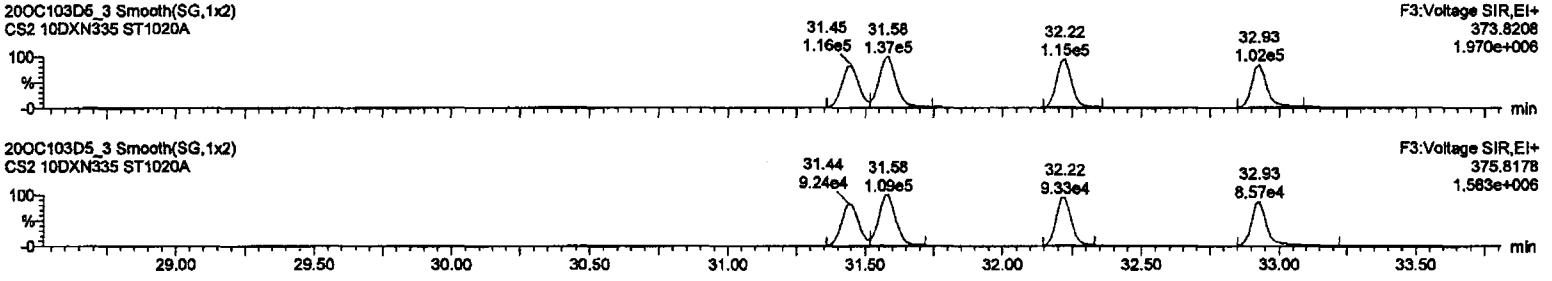
Quantify Sample Report **MassLynx 4.1**

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: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

HxCDFs



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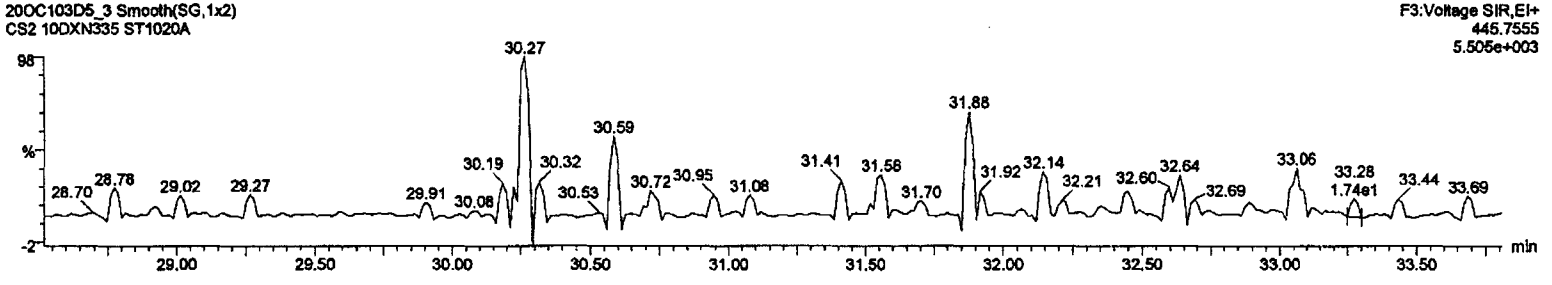
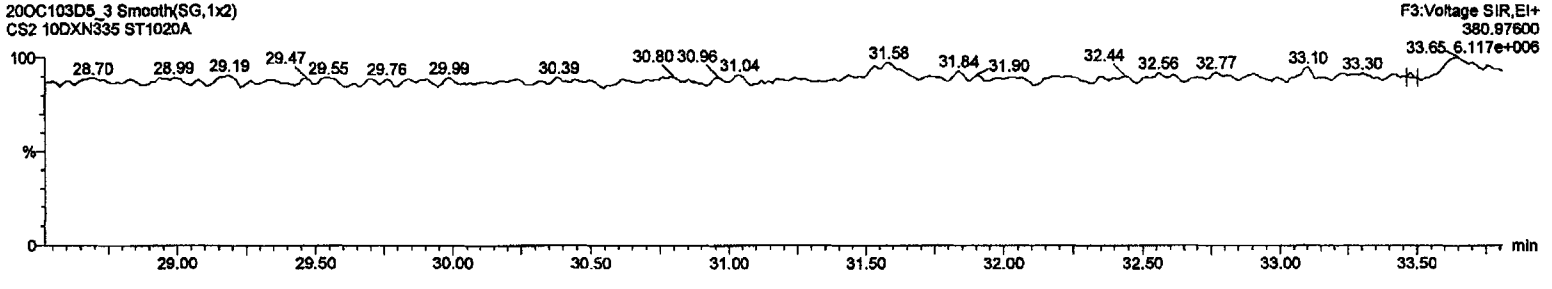


Function 3 PFK



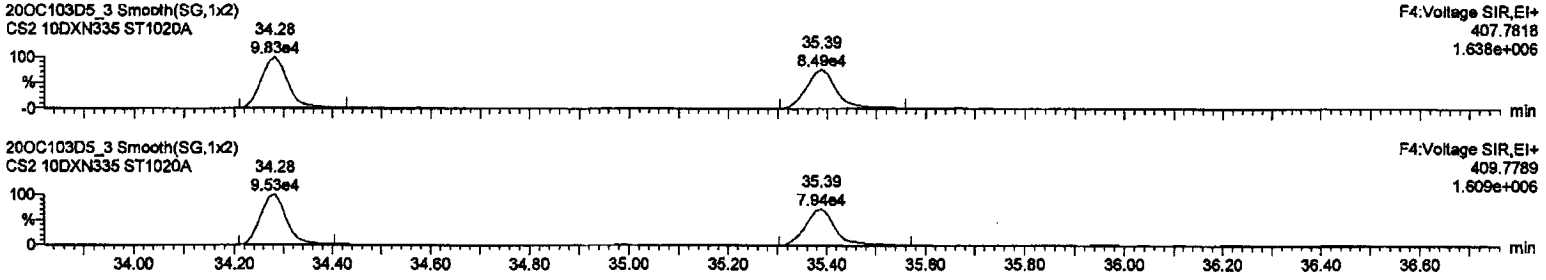
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

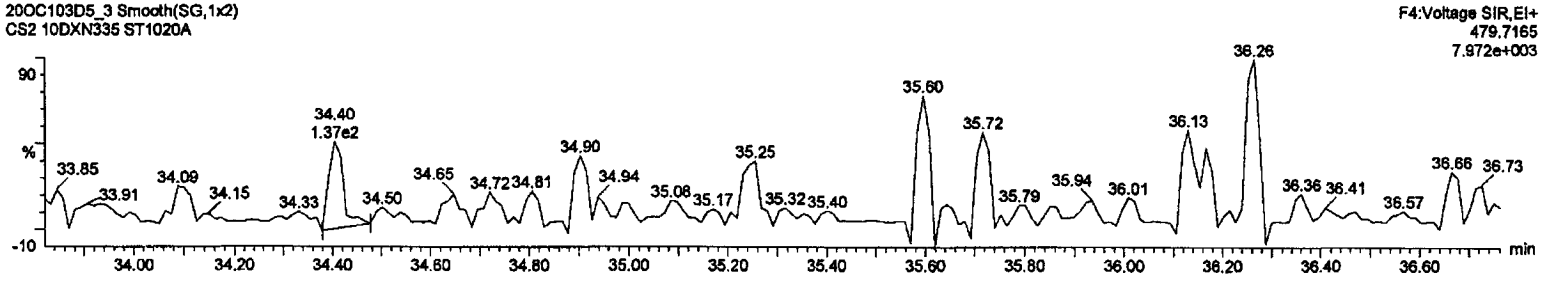
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

HpCDFs



HpCDF PCDPE



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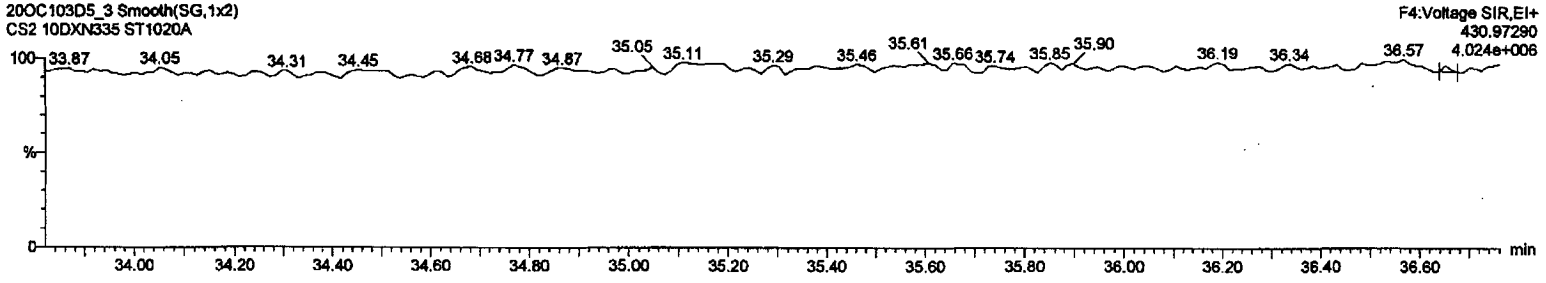


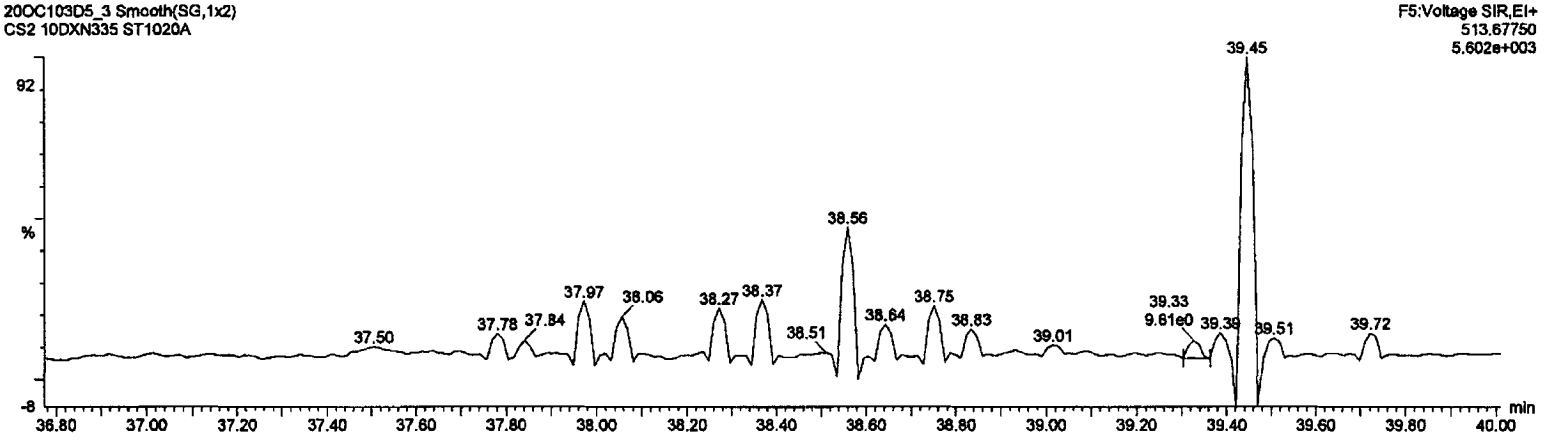
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

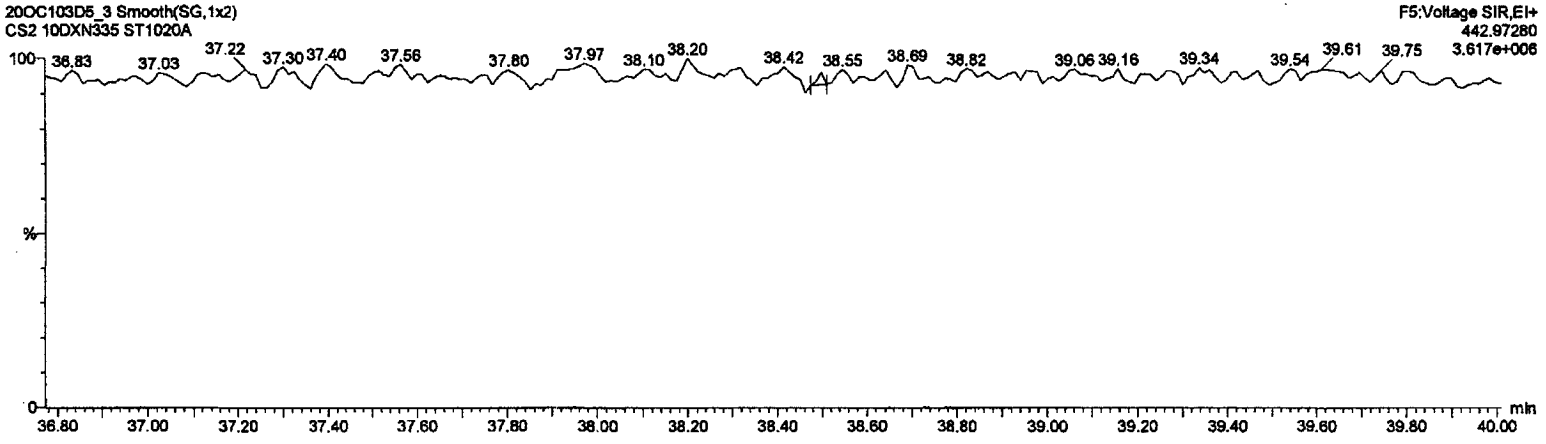
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_3, Date: 20-Oct-2010, Time: 12:28:32, ID: ST1020A, Description: CS2 10DXN335

OCDF PCDPE



Function 5 PFK



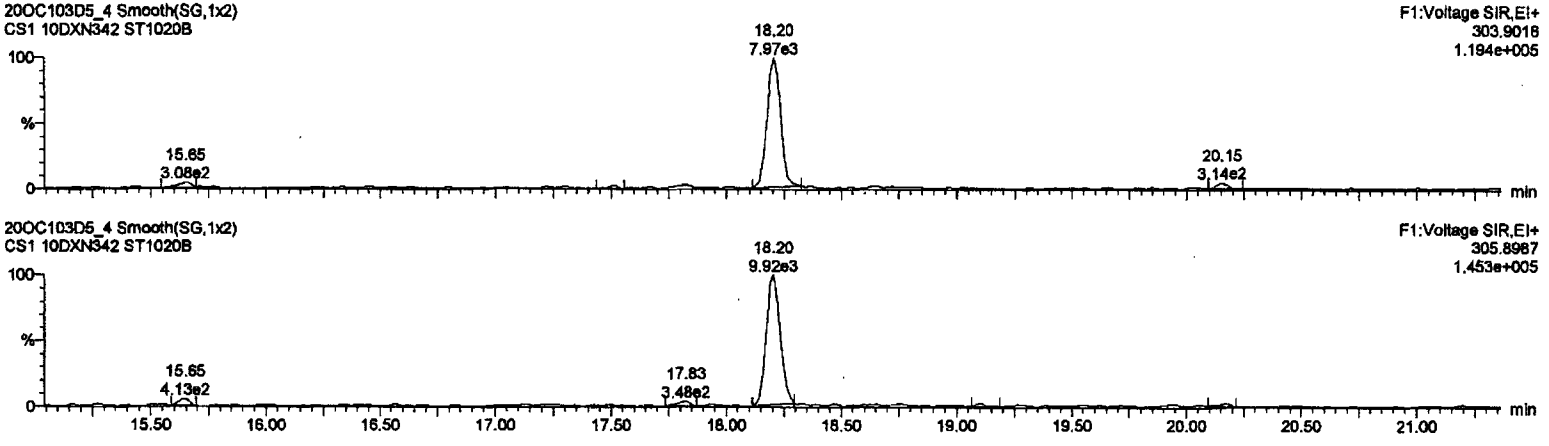
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

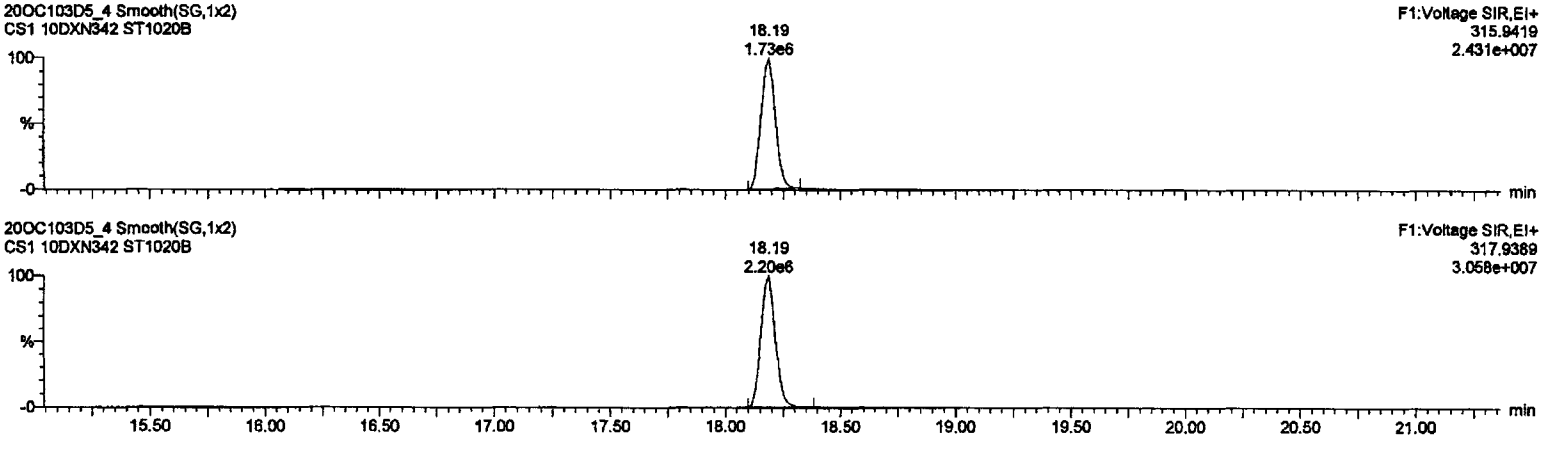
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

TCDFs



13C-TCDF



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

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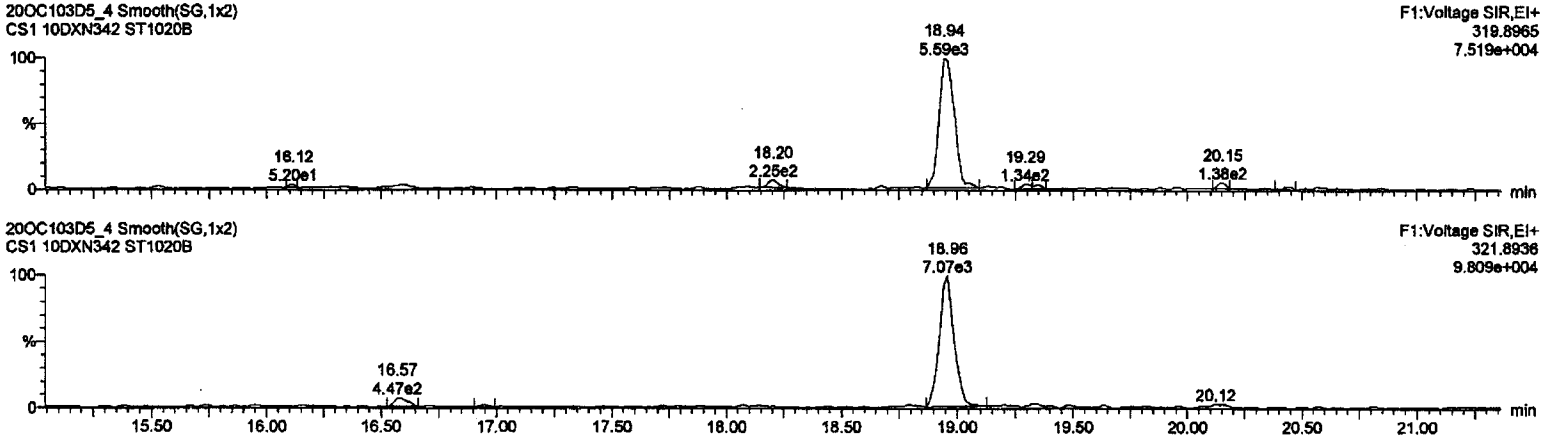
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

TCDDs



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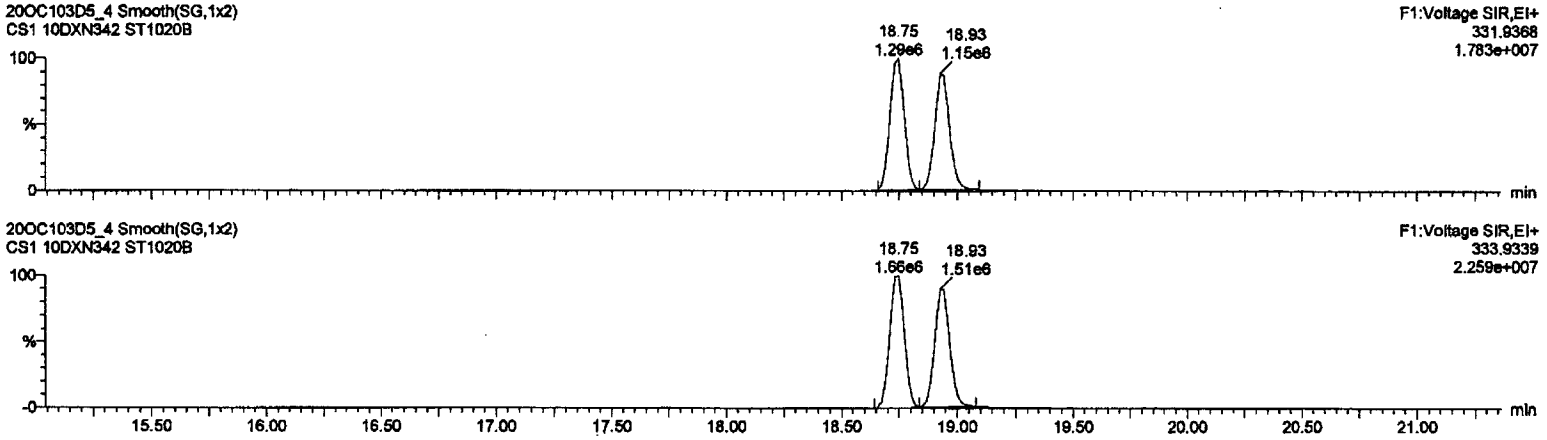

Quantify Sample Report **MassLynx 4.1**

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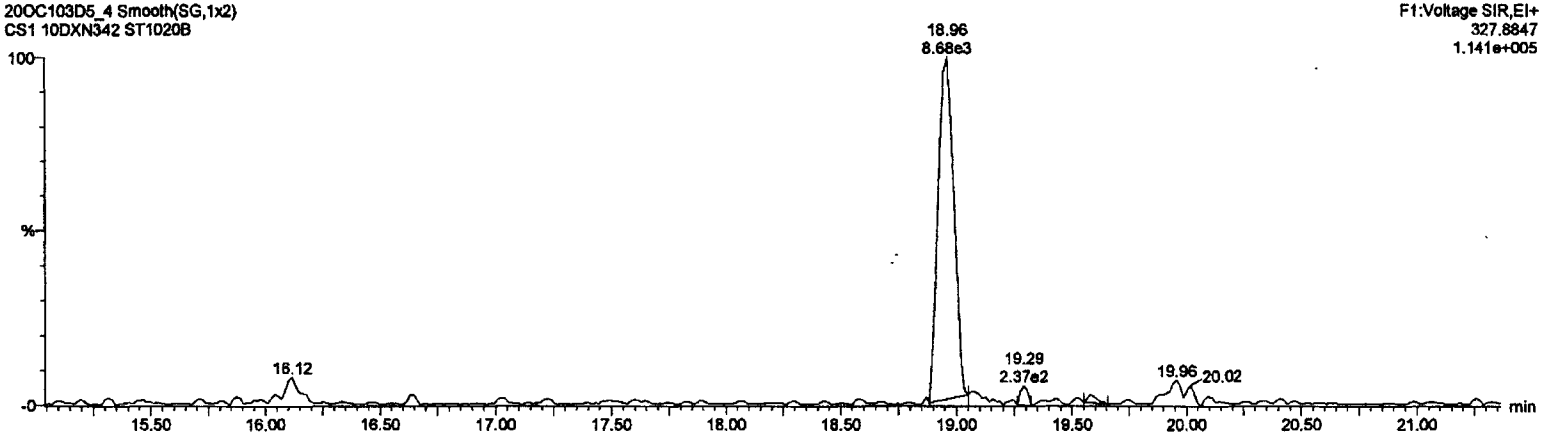
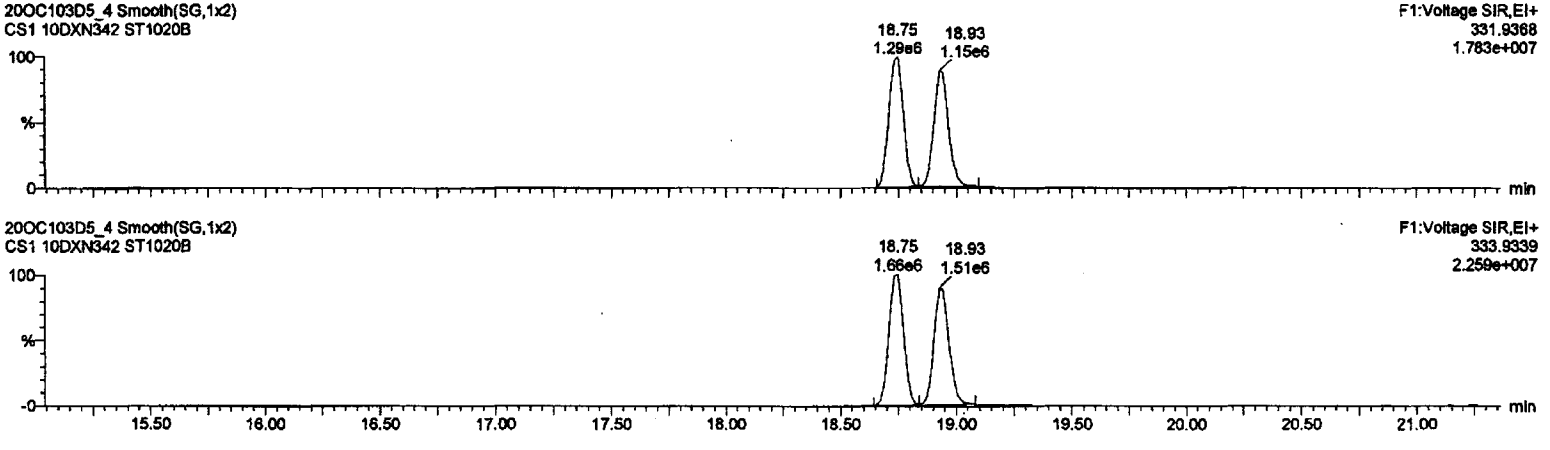
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

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



13C-TCDDs



Quantify Sample Report **MassLynx 4.1**

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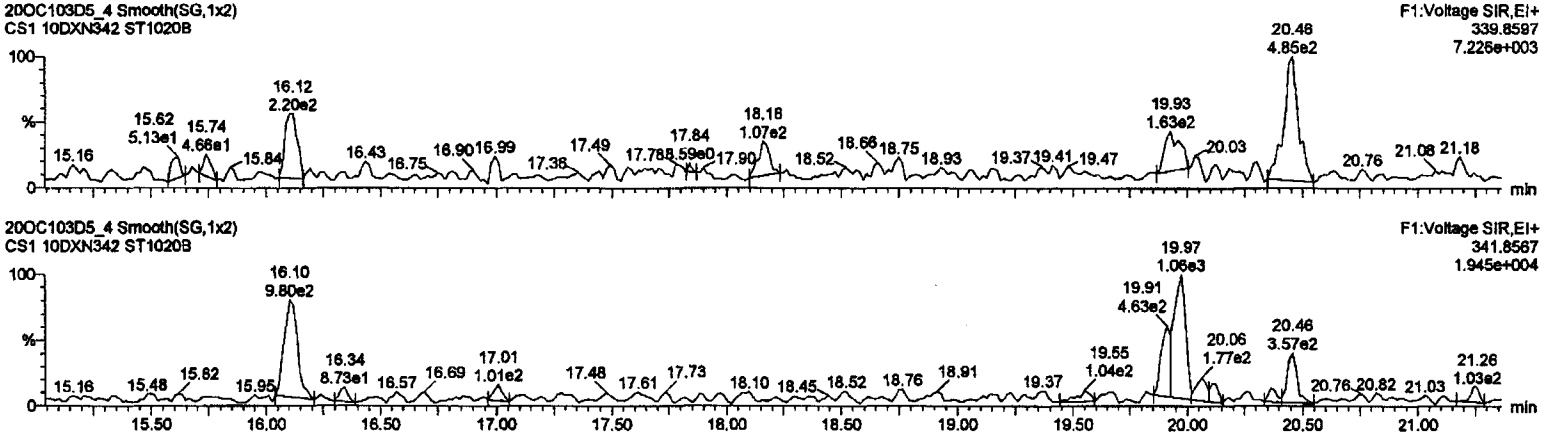
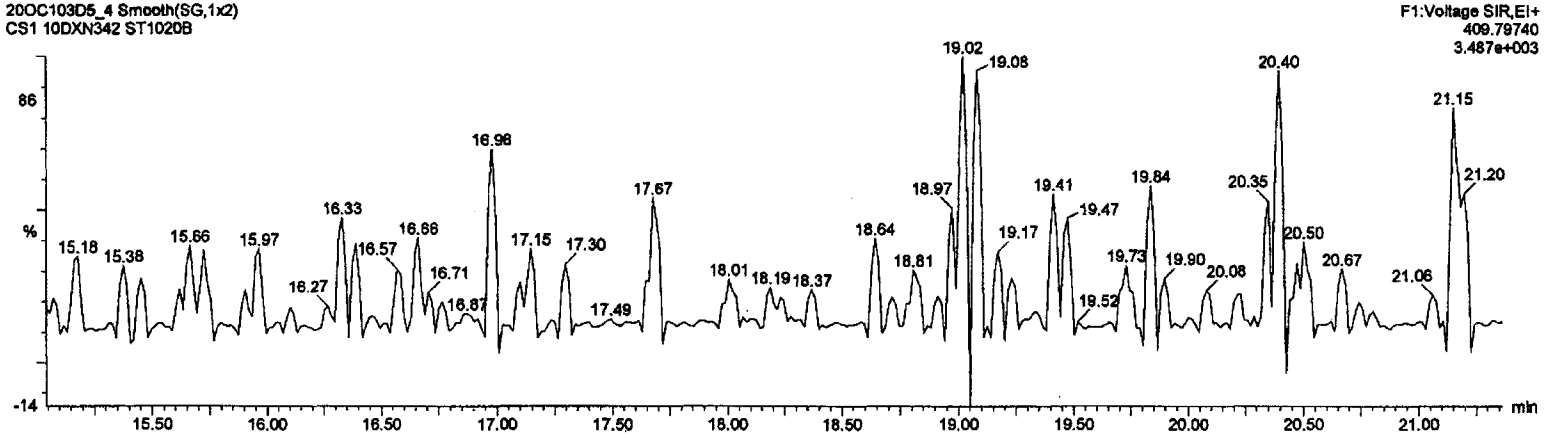
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

F1 PeCDFs



F1 PeCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

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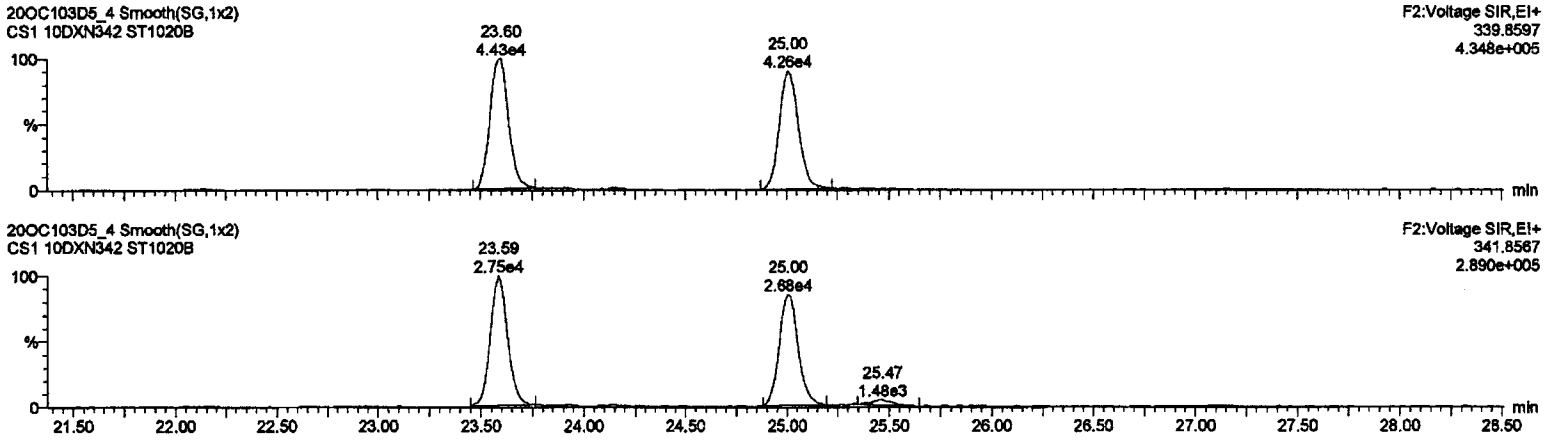
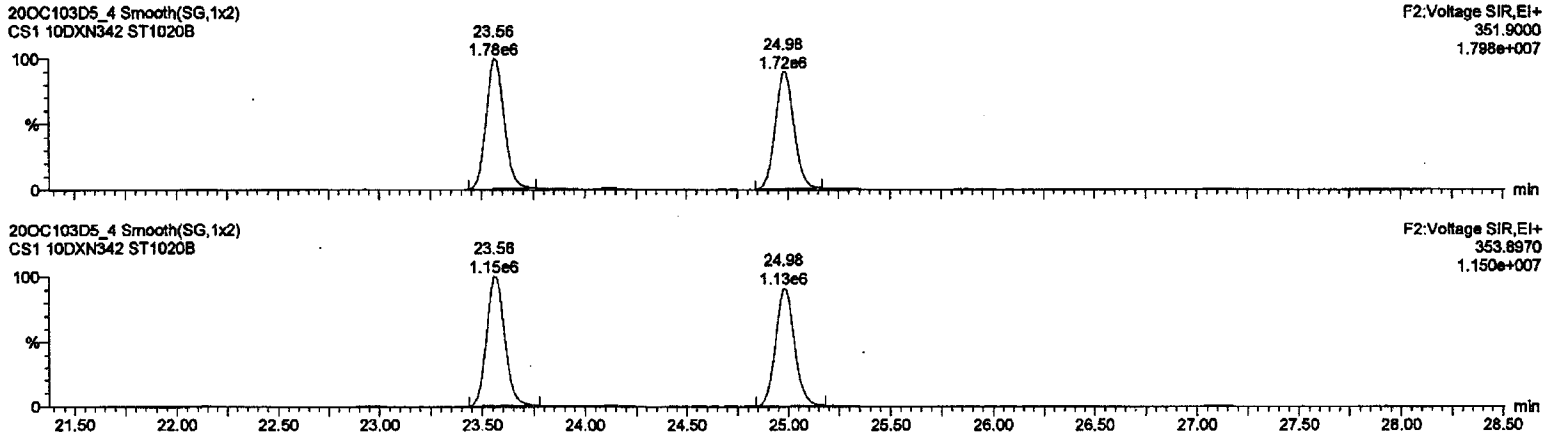
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

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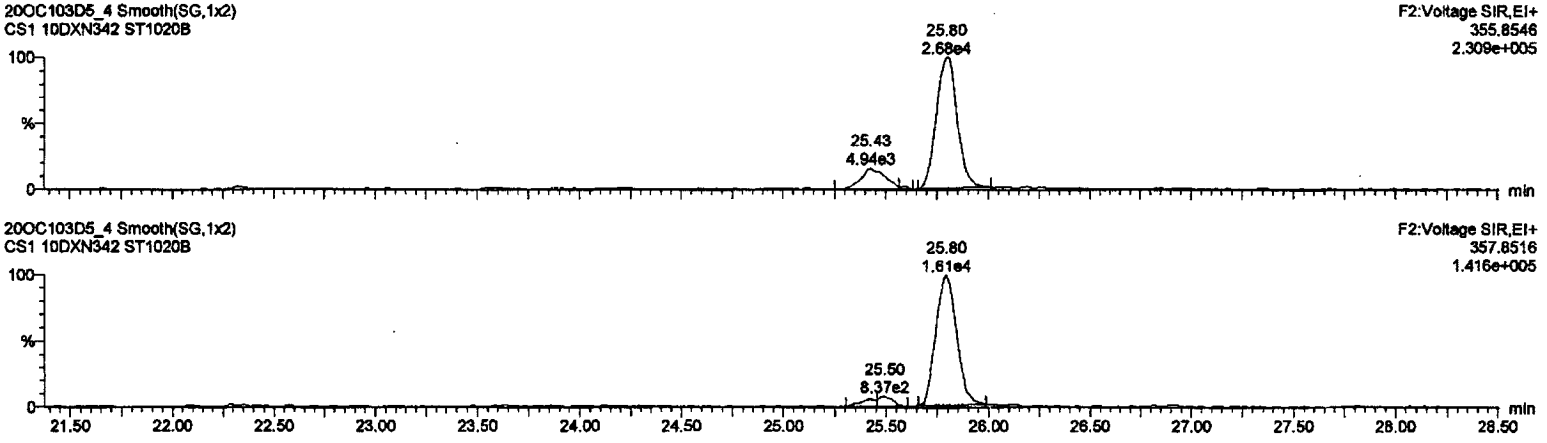
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

PeCDDs



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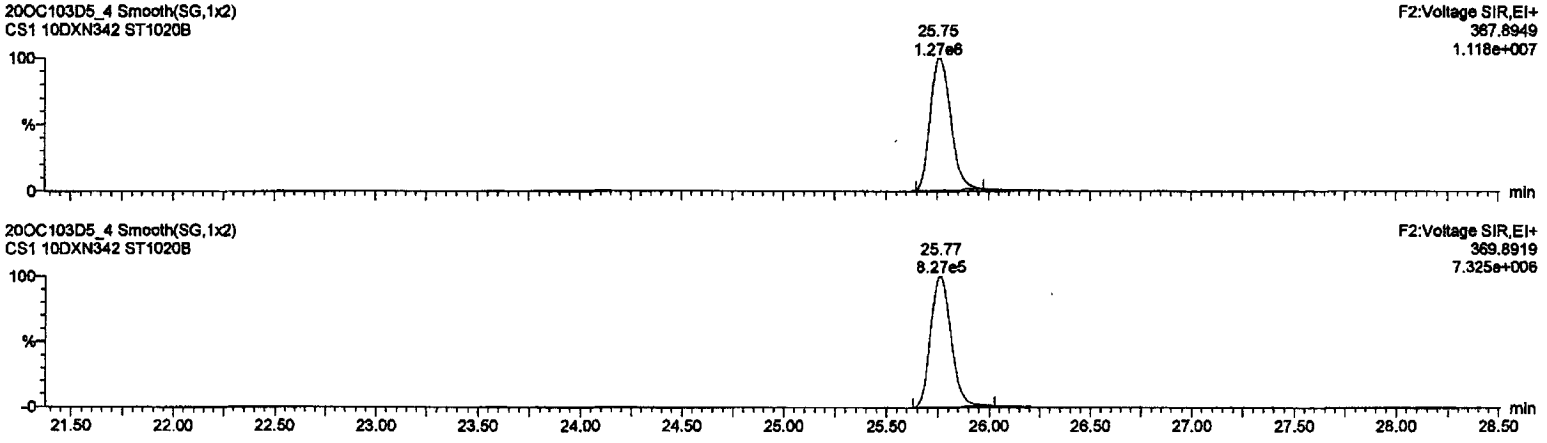

Quantify Sample Report **MassLynx 4.1**

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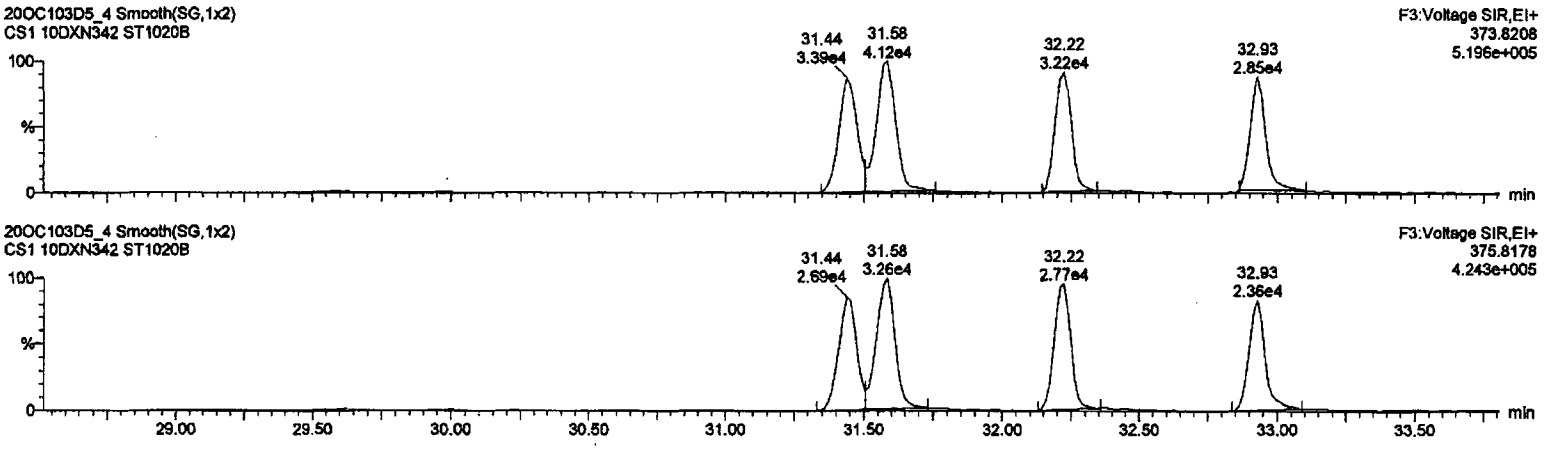
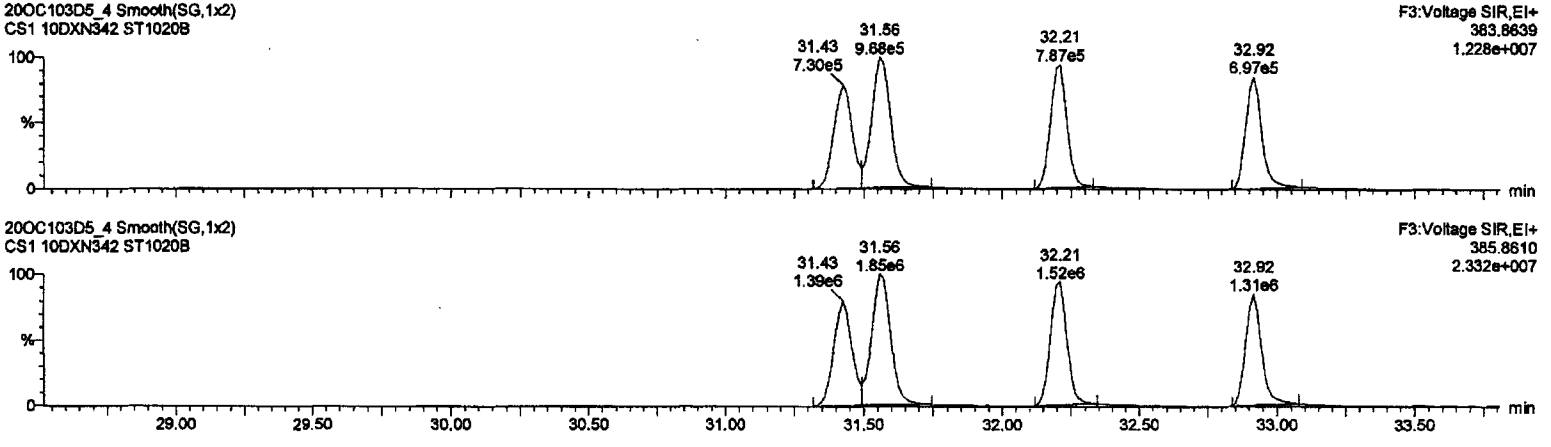
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

HxCDFs



13C-HxCDFs



Quantify Sample Report **MassLynx 4.1**

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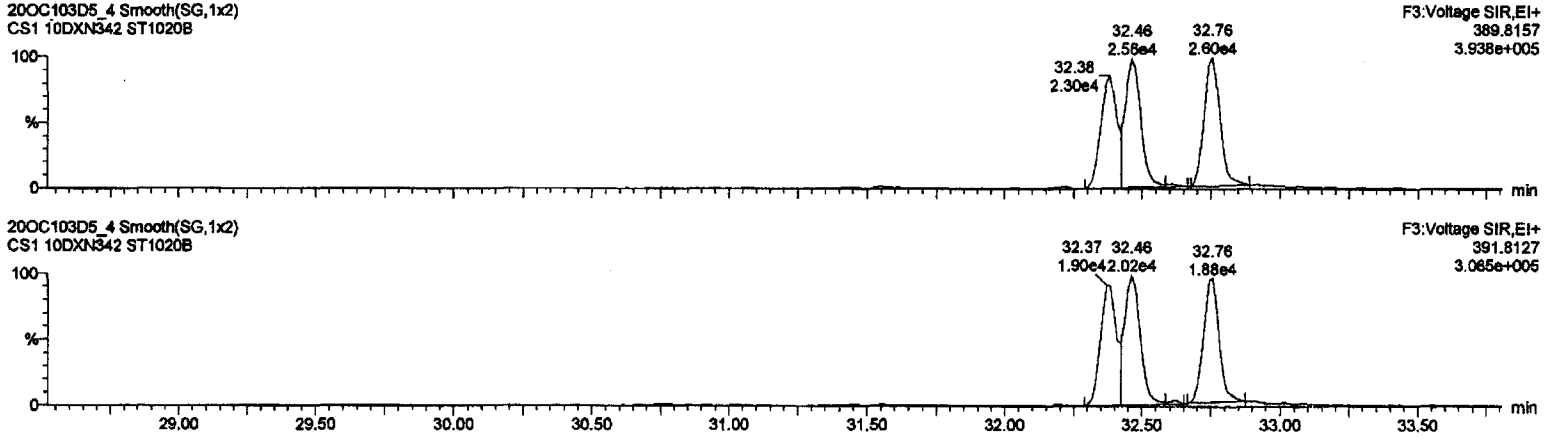
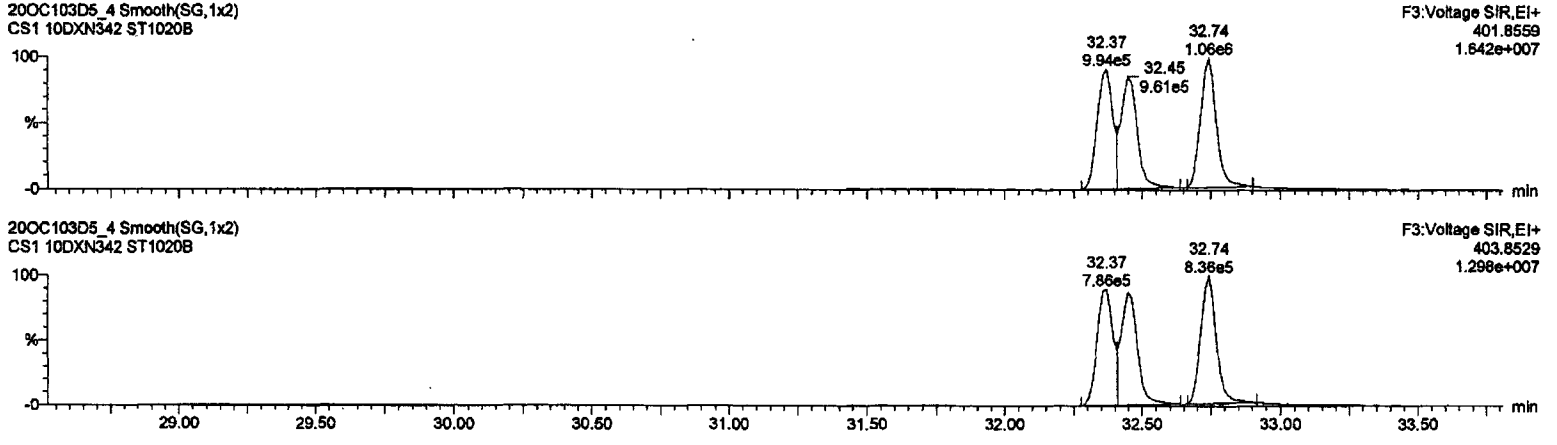
HxCDDs



13C-HxCDDs



Quantify Sample Report **MassLynx 4.1**

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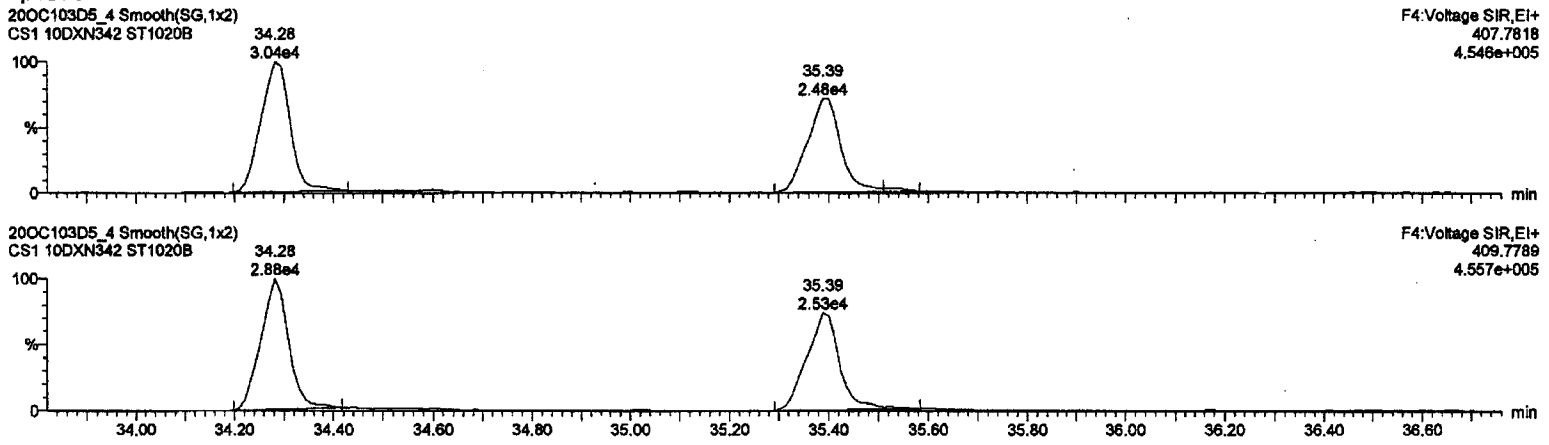
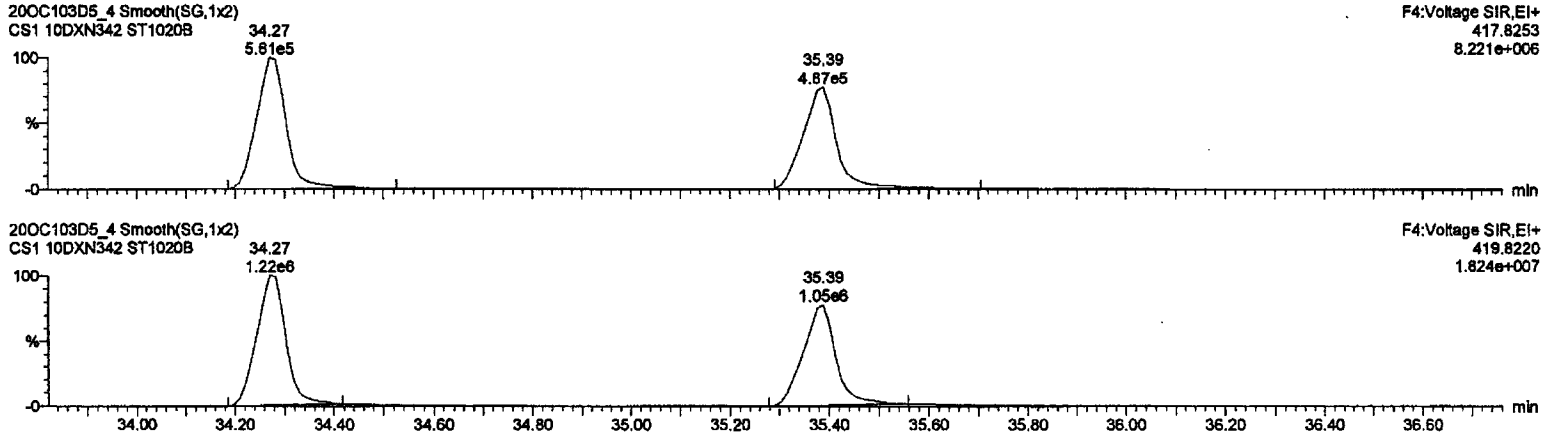
HpCDFs



13C-HpCDFs



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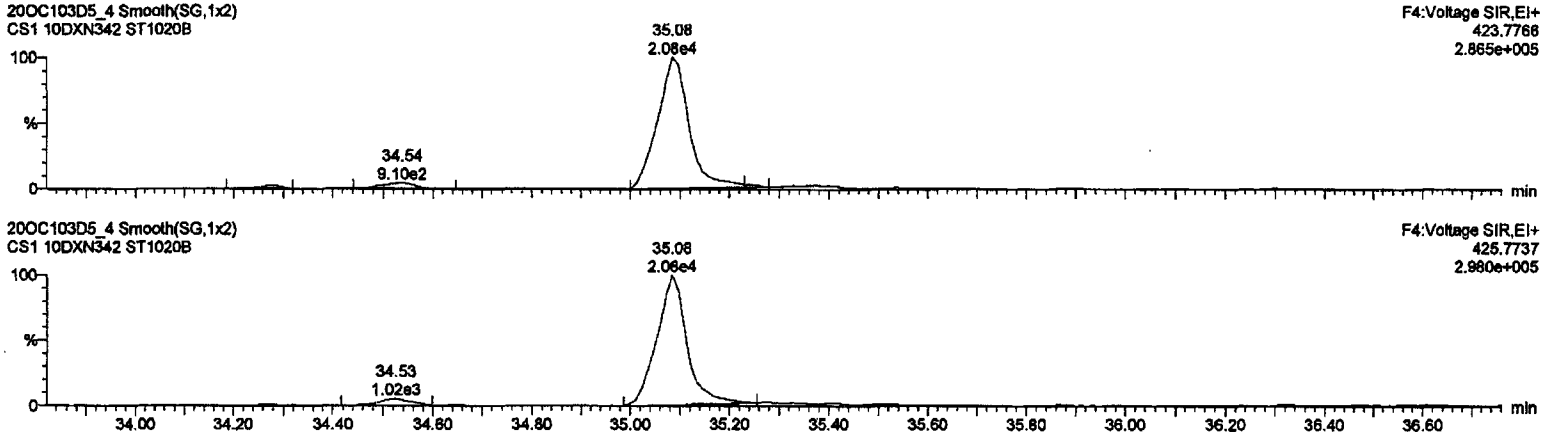
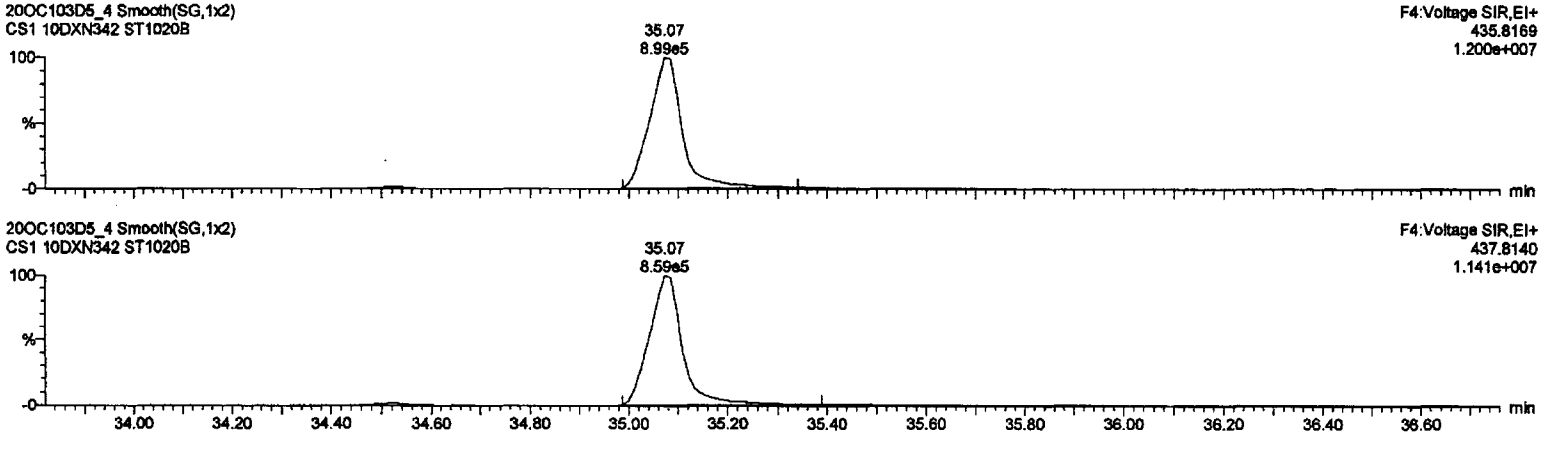
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

HpCDDs



13C-HpCDD



Quantify Sample Report **MassLynx 4.1**

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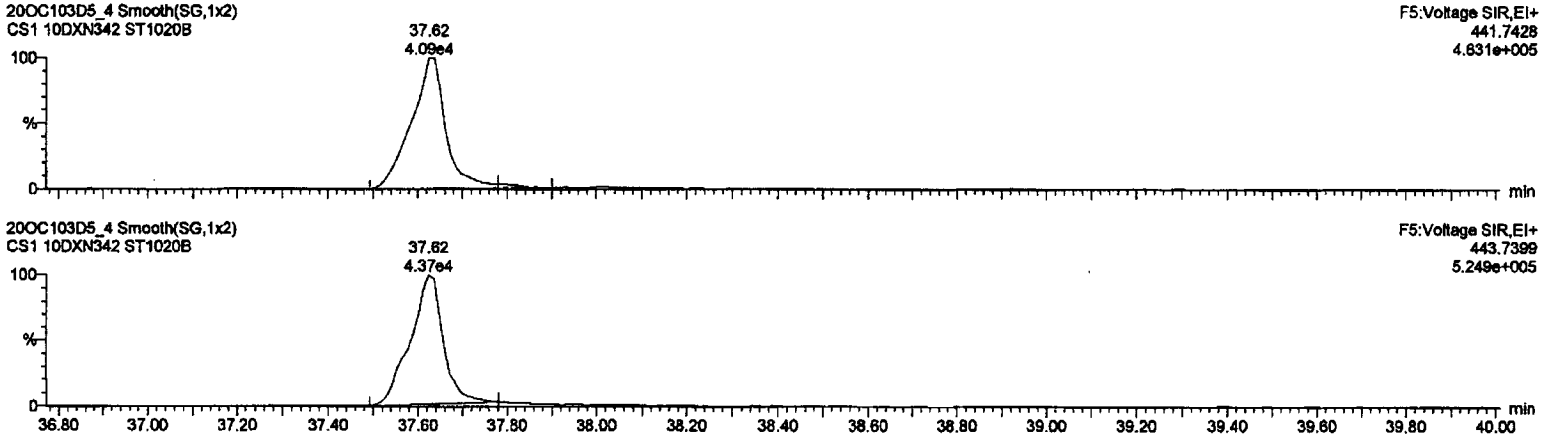
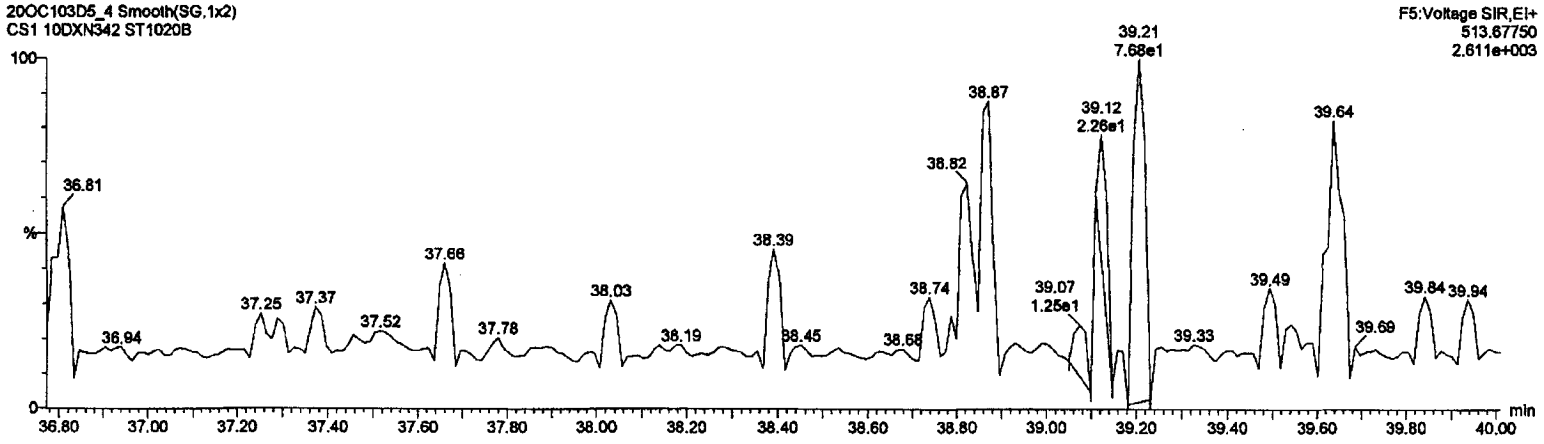
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

OCDFs



OCDF PCDPE



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

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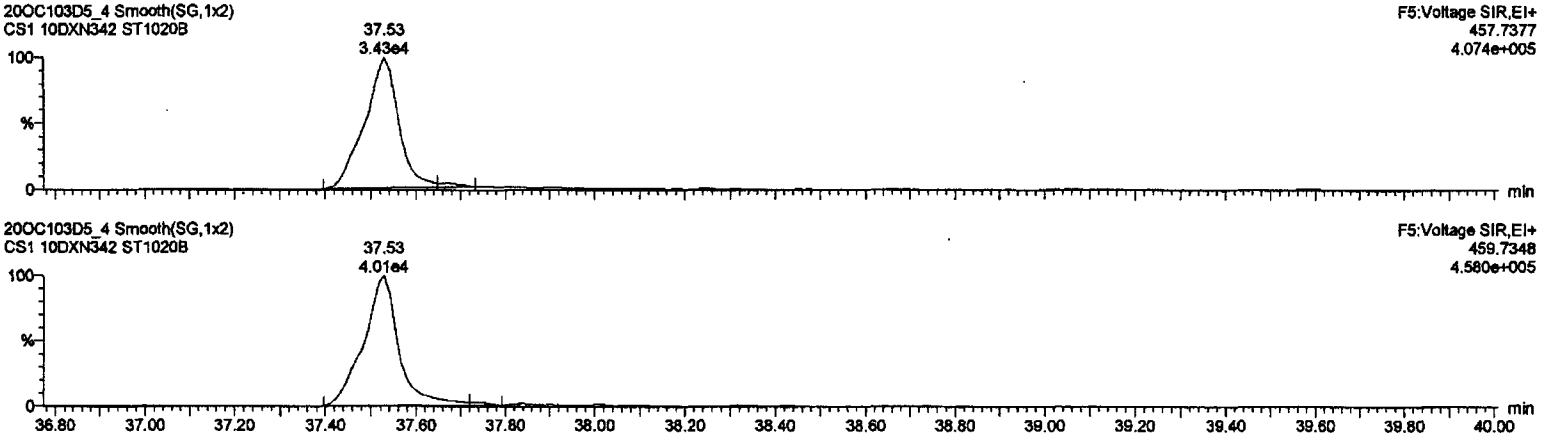
Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

OCDD



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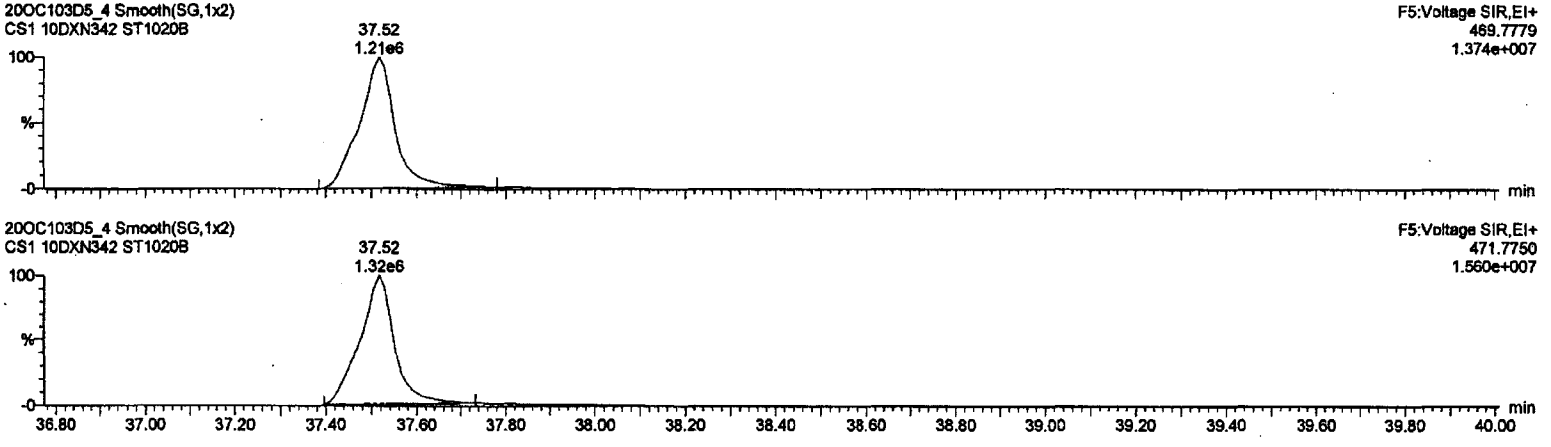

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

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Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

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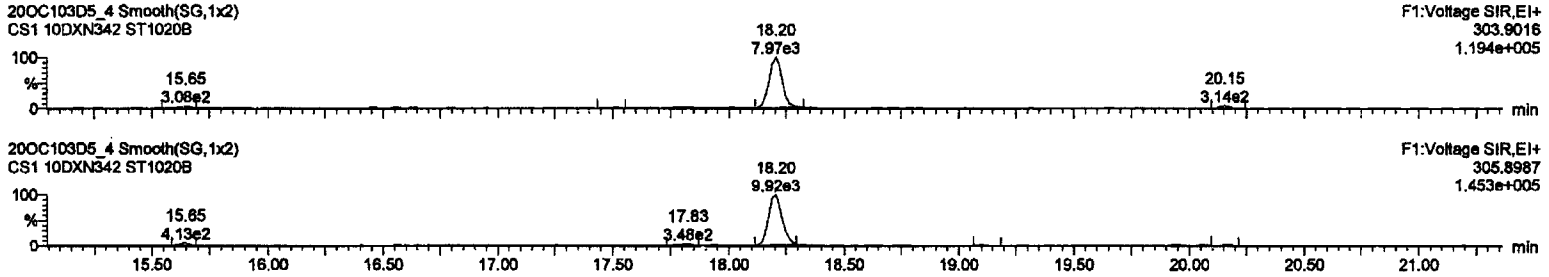
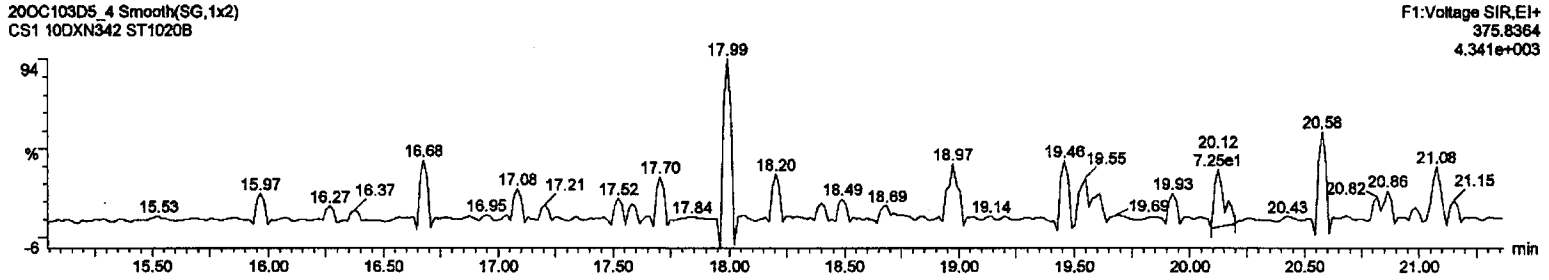
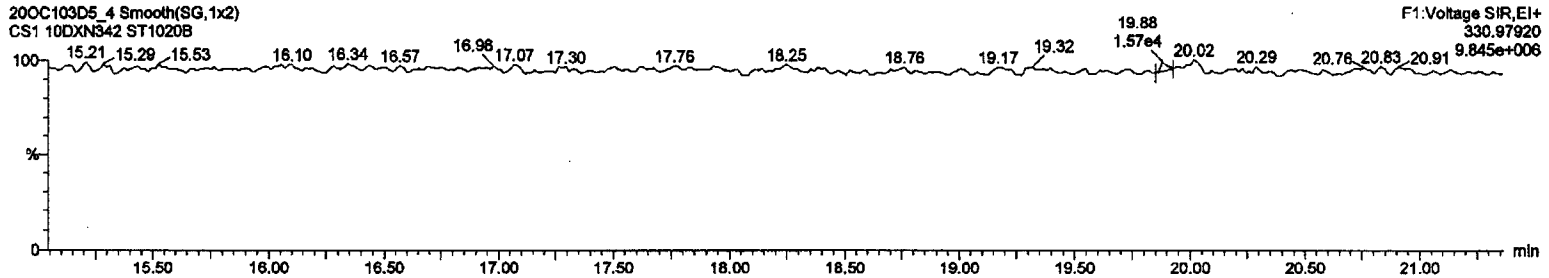
TCDFs



TCDF PCDPE



Function 1 PFK



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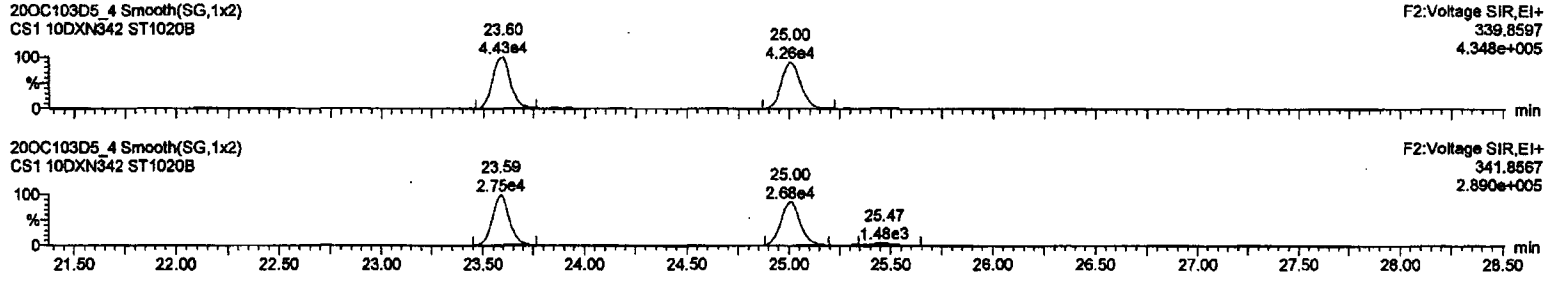
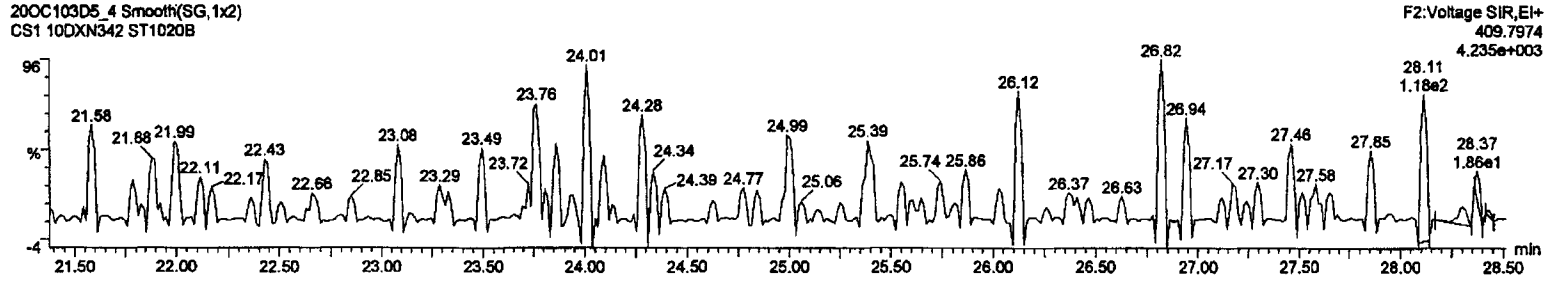
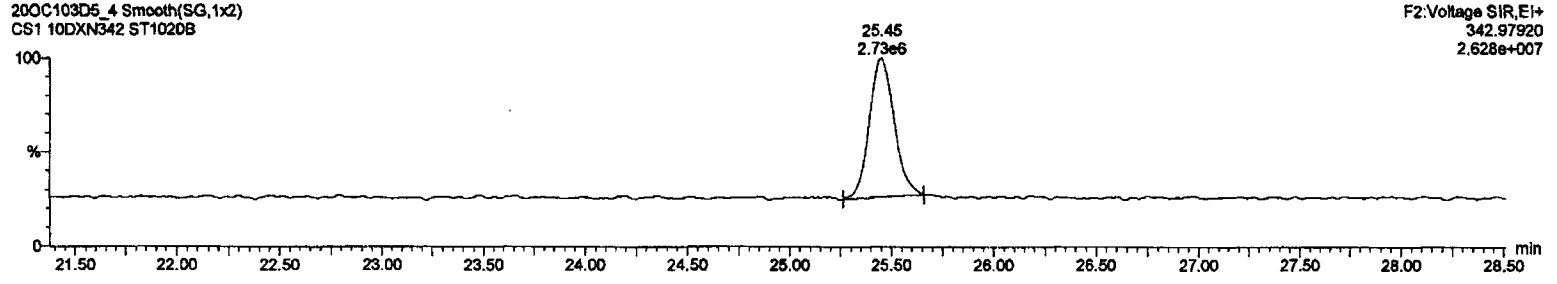
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



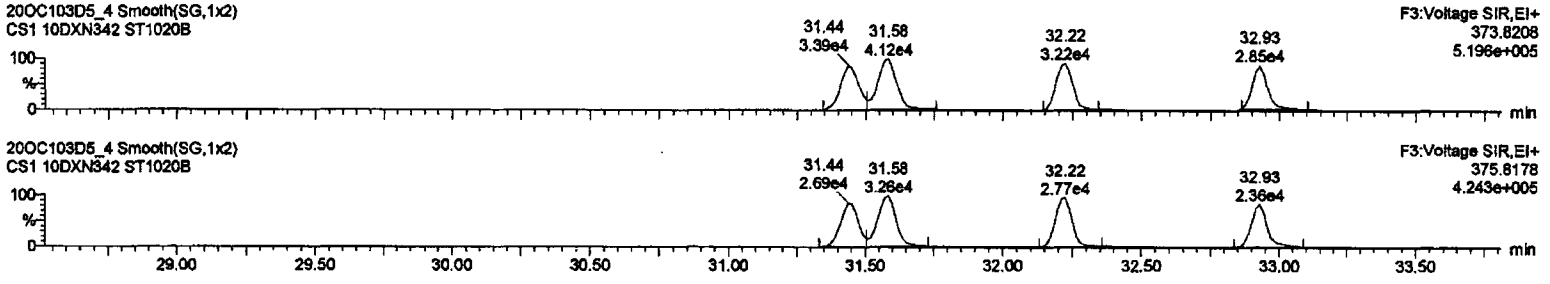
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

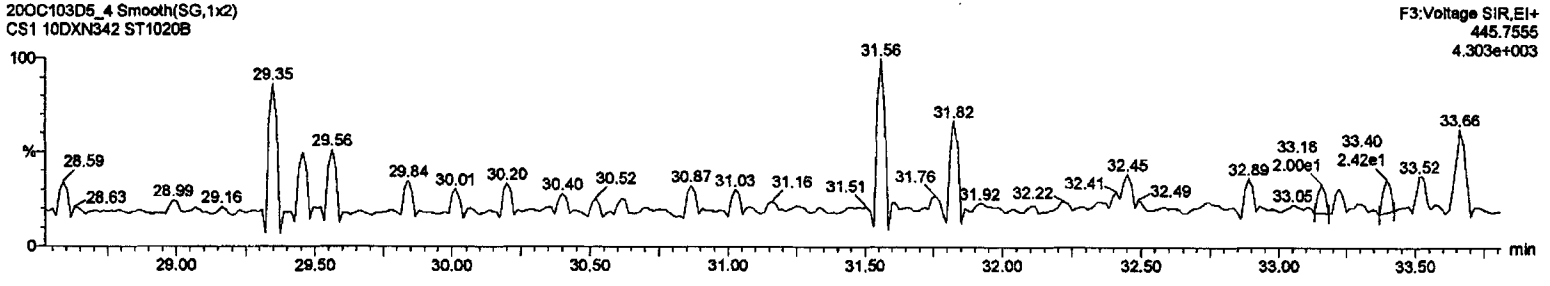
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

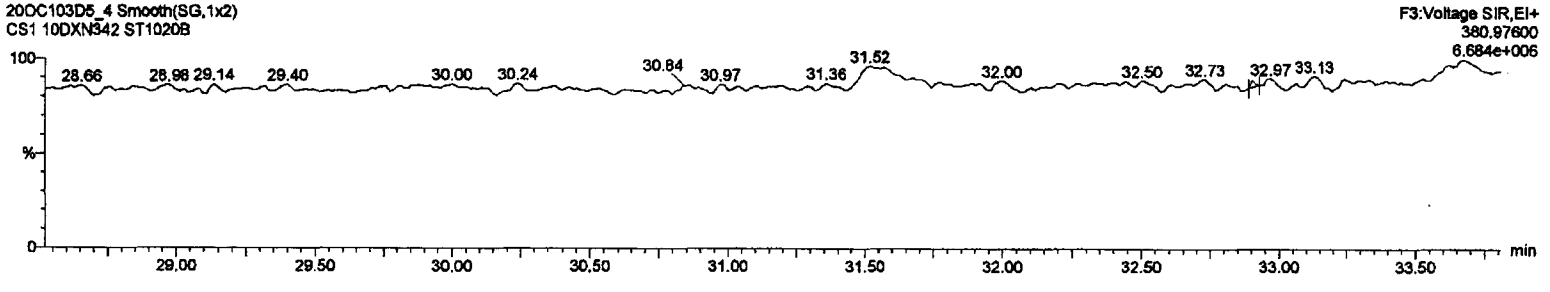
HxCDFs



HxCDF PCDPE



Function 3 PFK



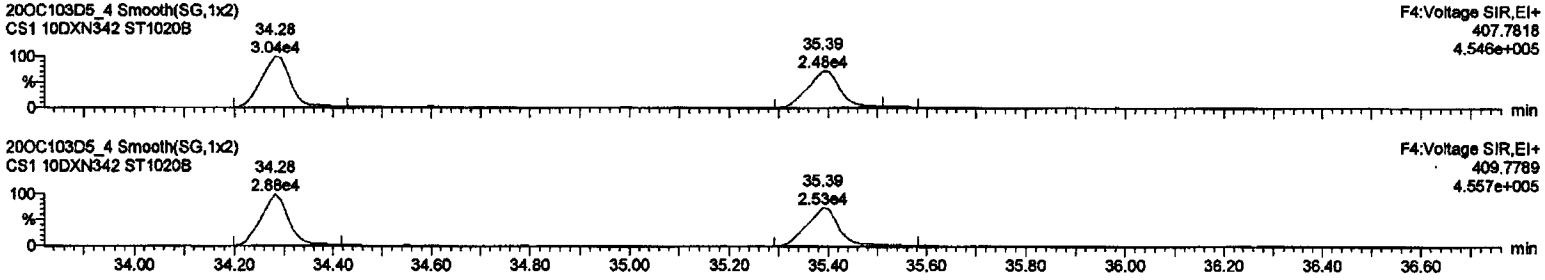
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

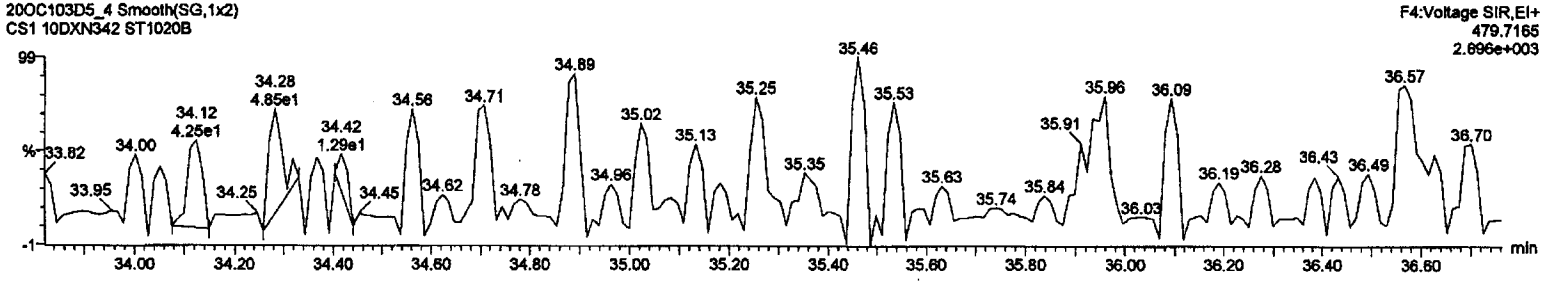
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

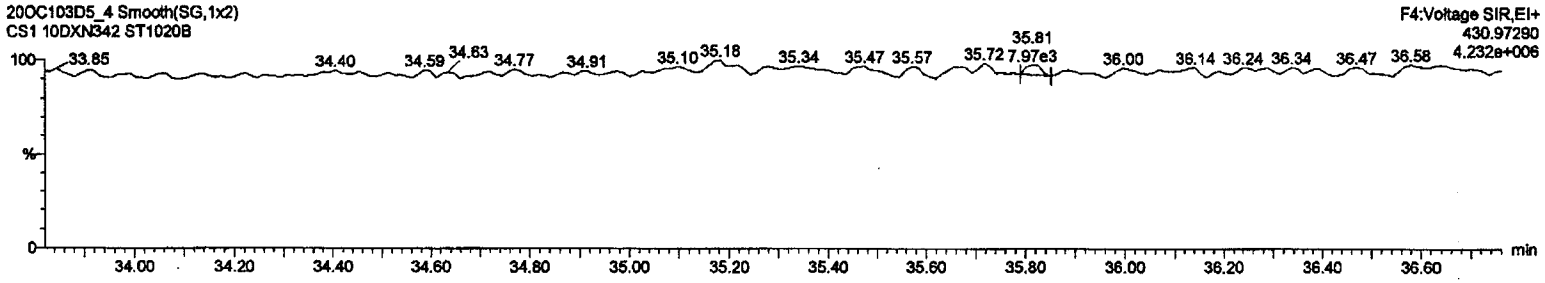
HpCDFs



HpCDF PCDPE



Function 4 PFK



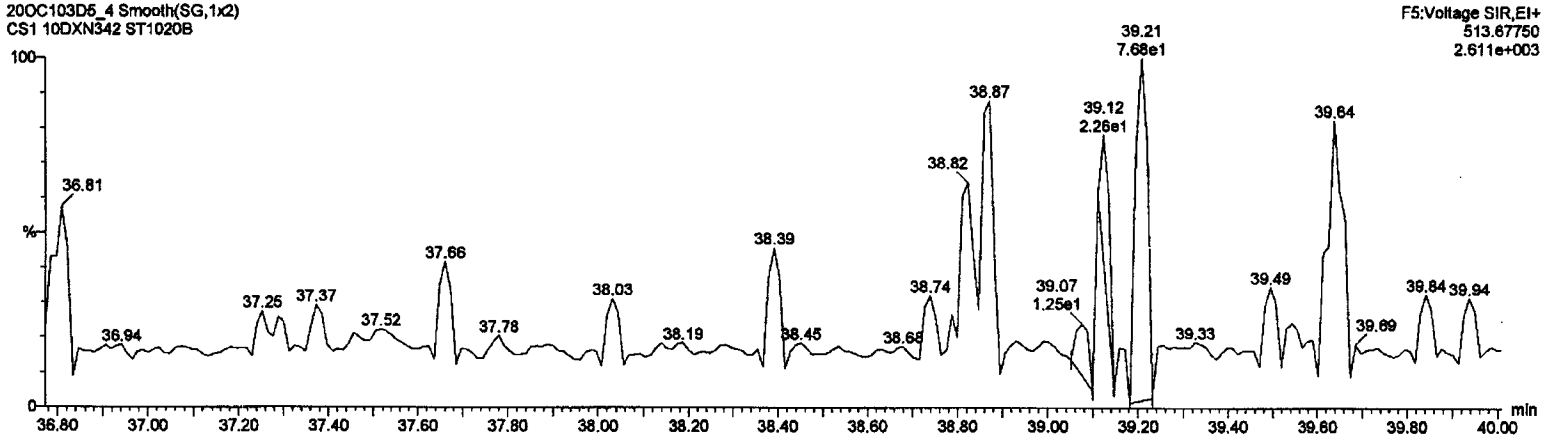
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

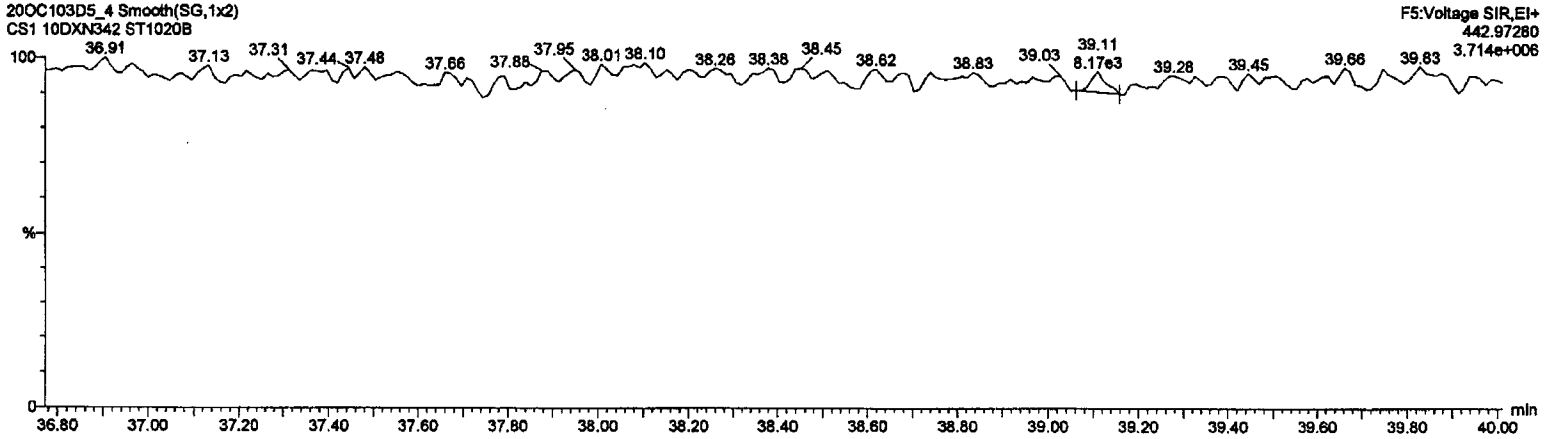
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_4, Date: 20-Oct-2010, Time: 13:09:45, ID: ST1020B, Description: CS1 10DXN342

OCDF PCDPE



Function 5 PFK



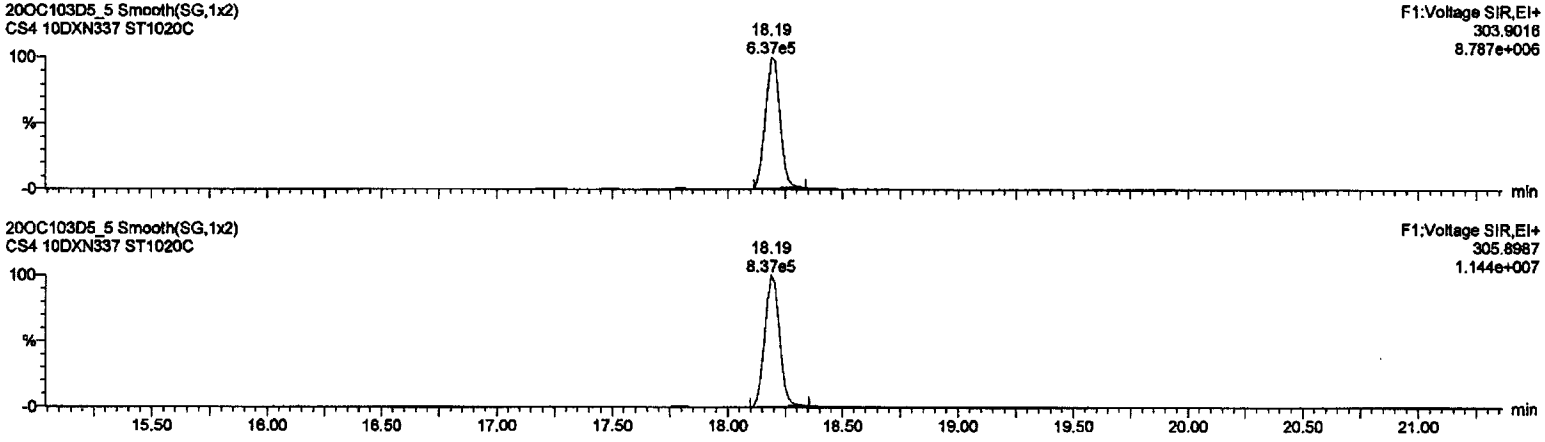
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

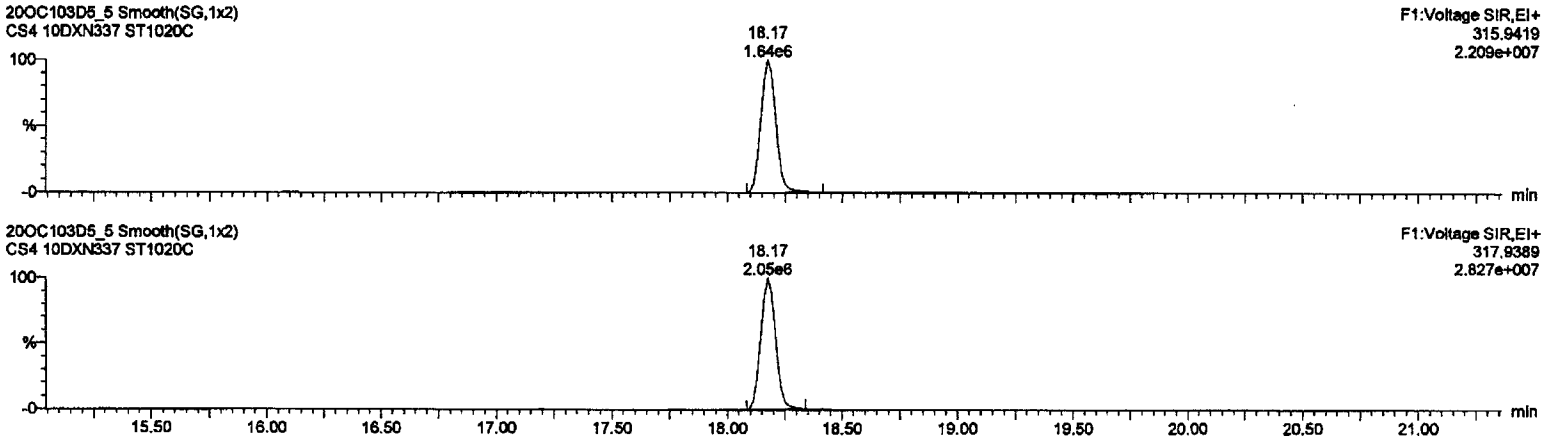
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

TCDFs



13C-TCDF



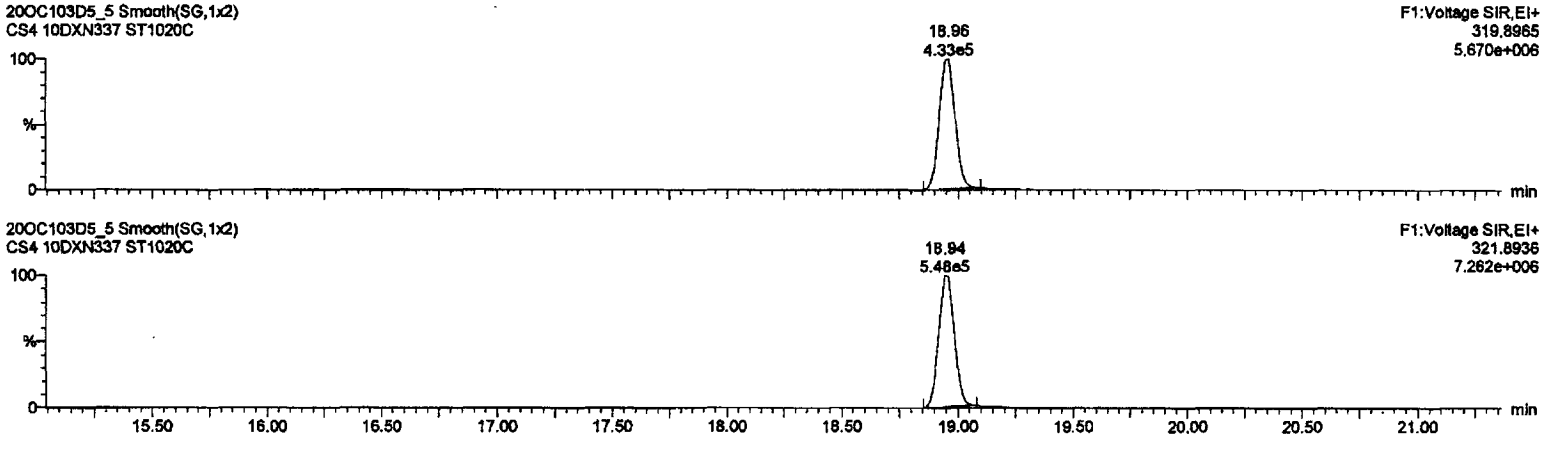
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

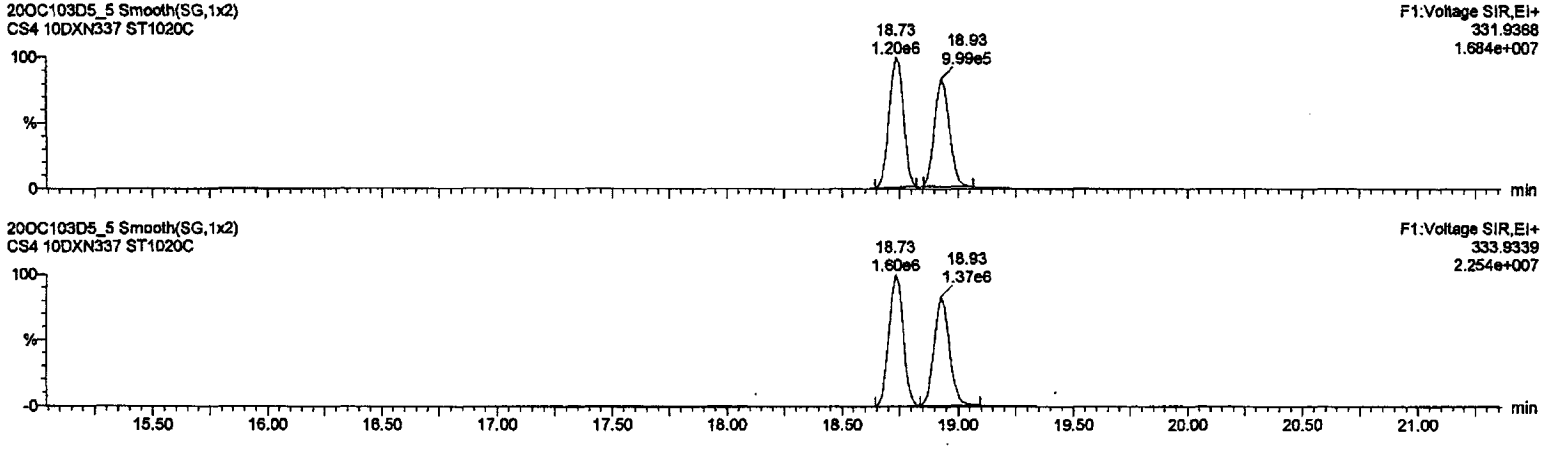
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

TCDDs



13C-TCDDs



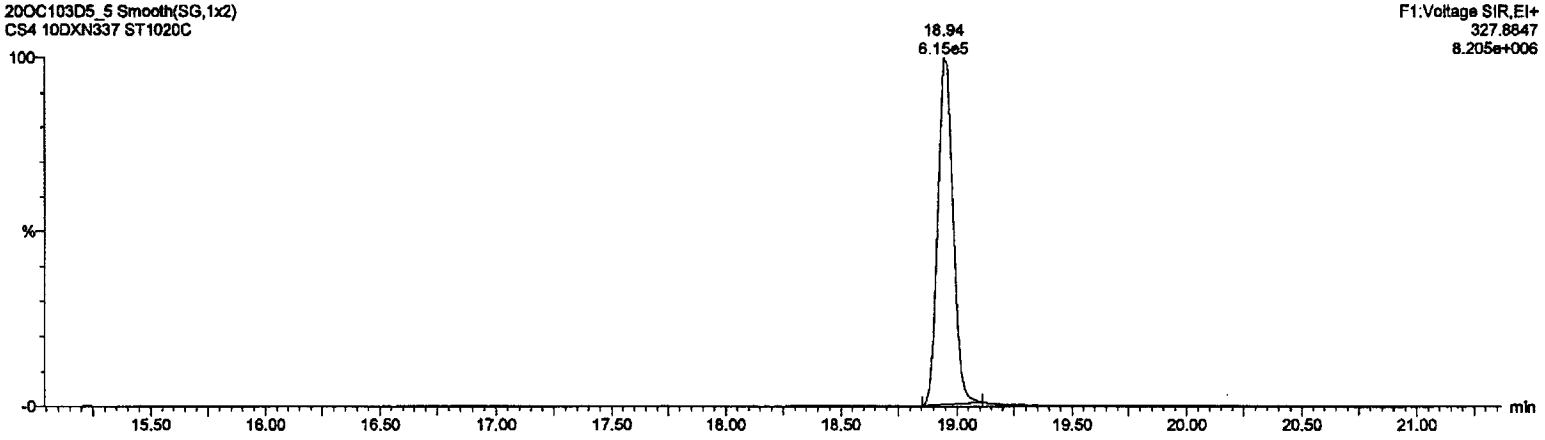
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

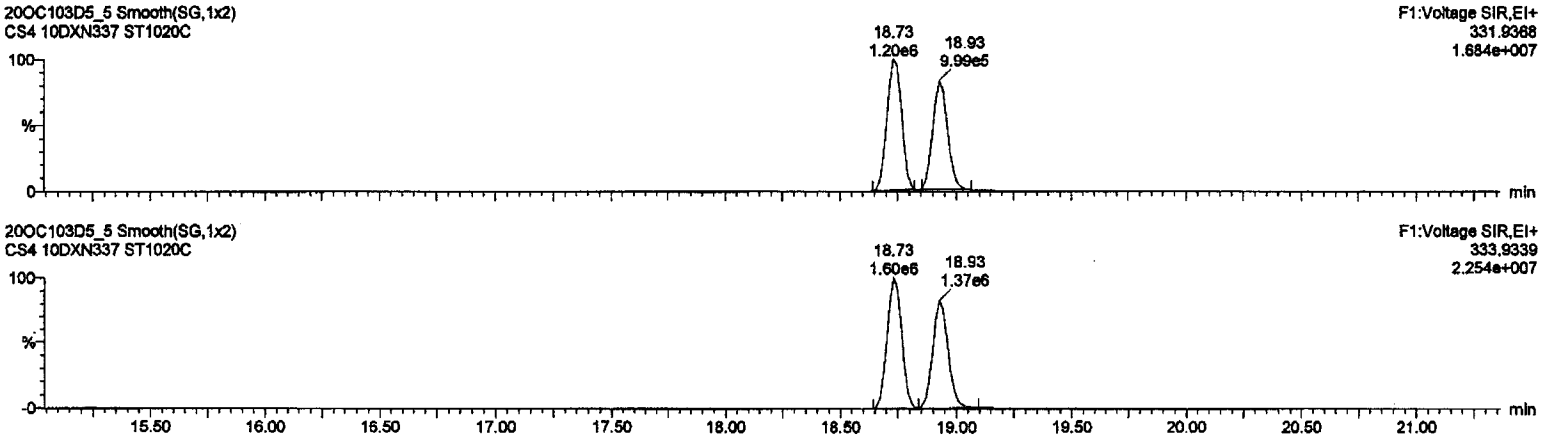
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

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



13C-TCDDs



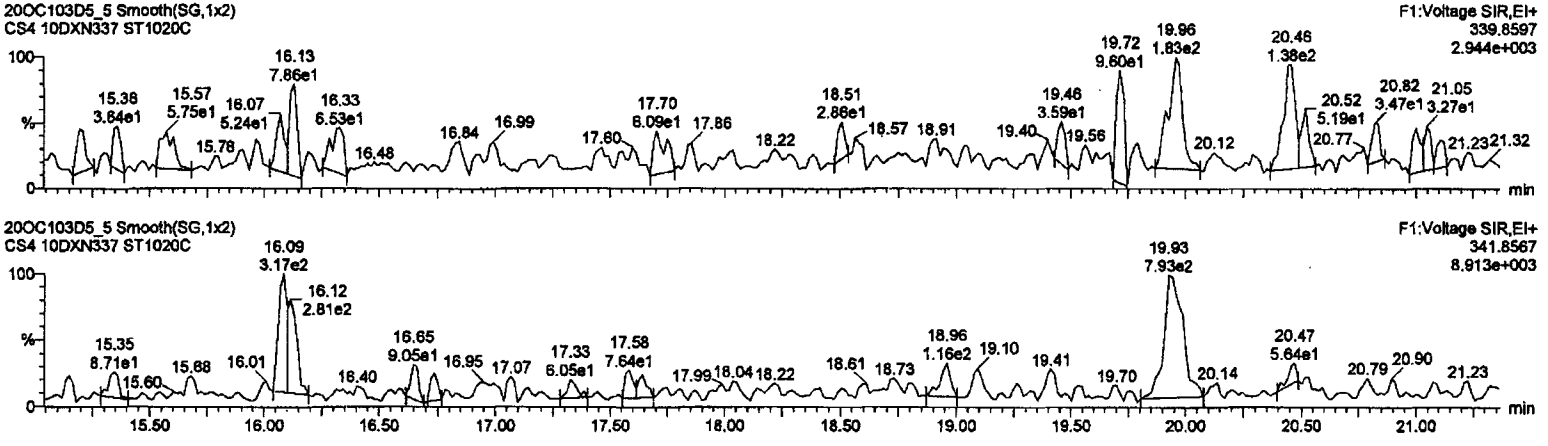
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

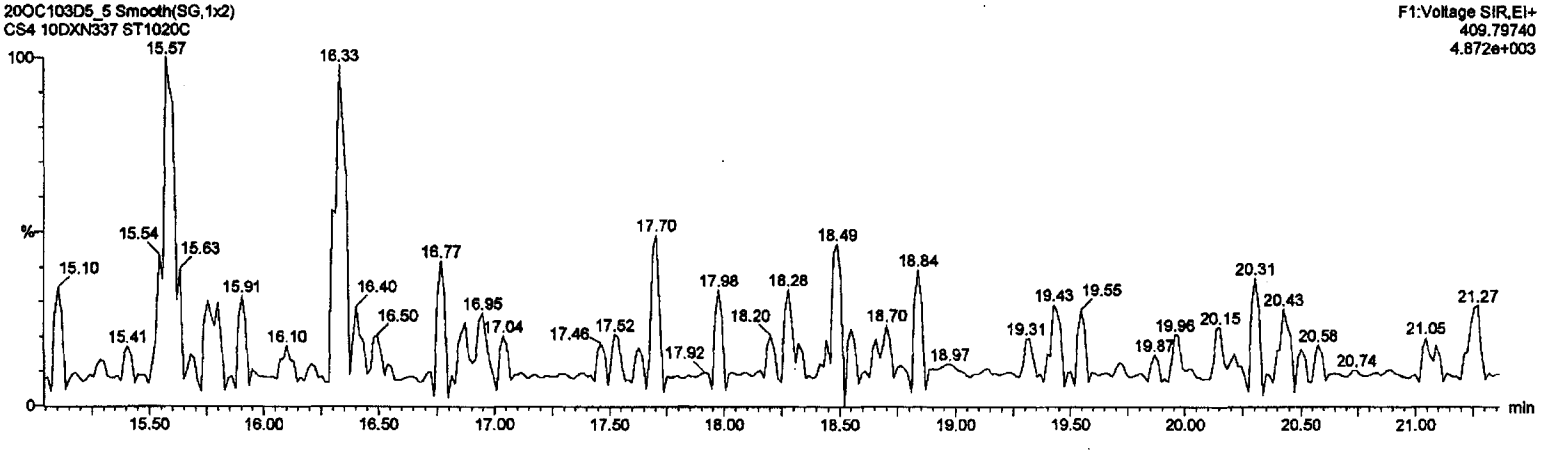
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

F1 PeCDFs



F1 PeCDF PCDPE



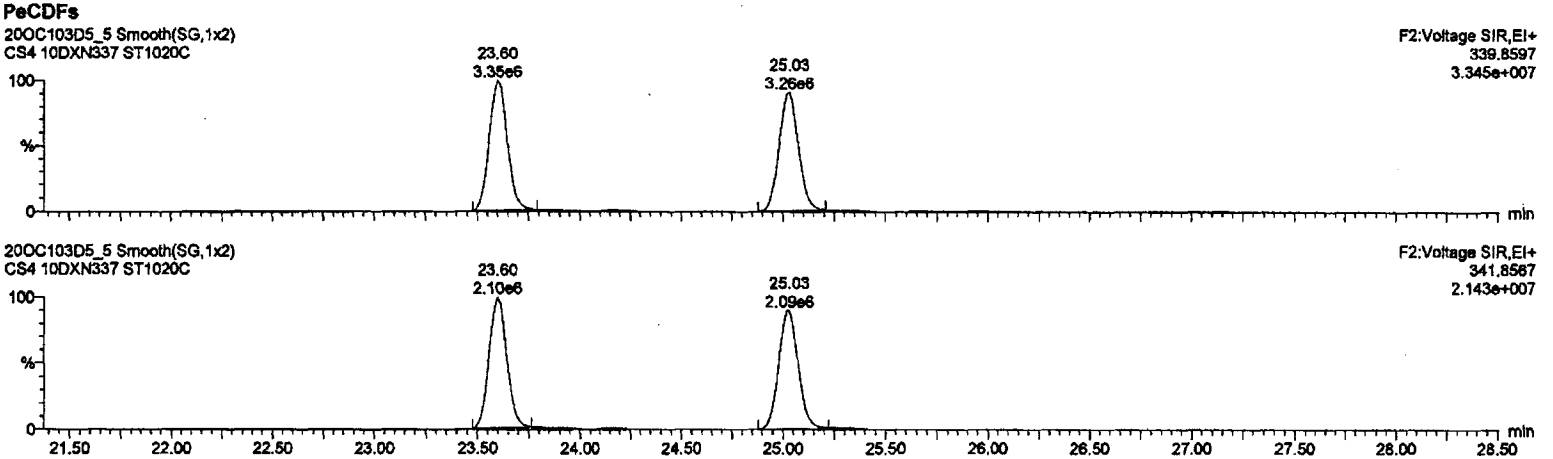
Quantify Sample Report **MassLynx 4.1**

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_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

PeCDFs



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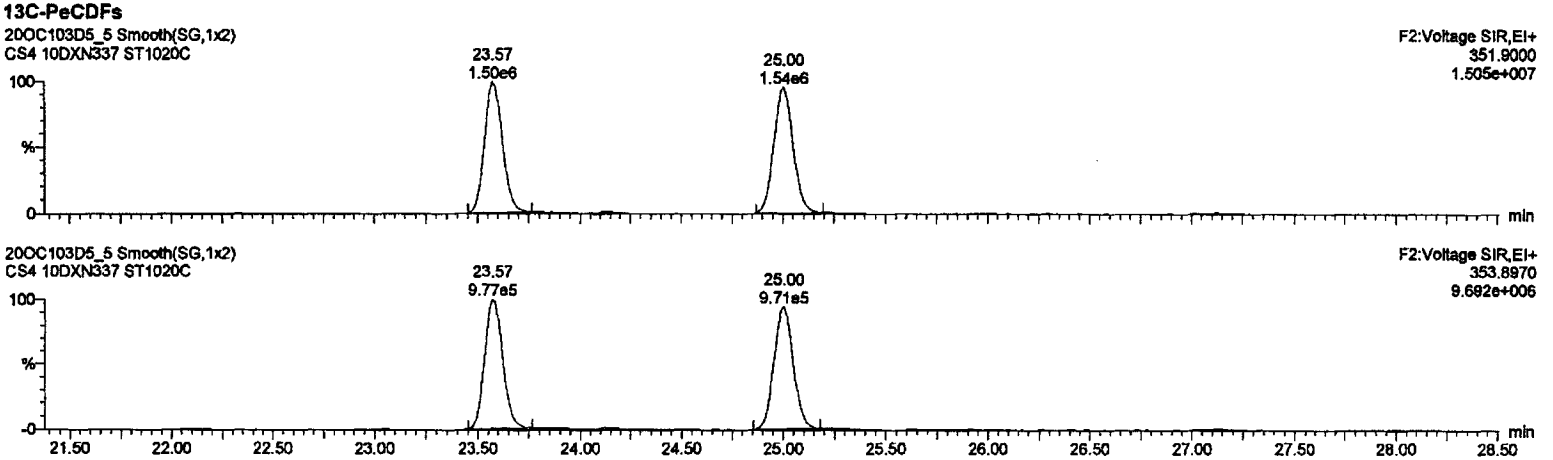

Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
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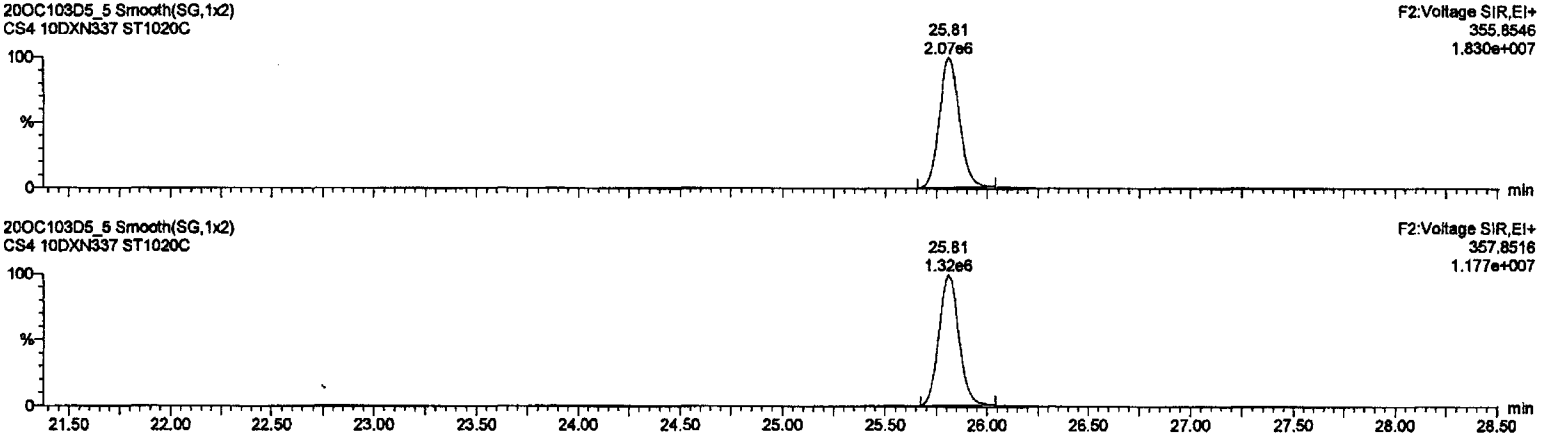
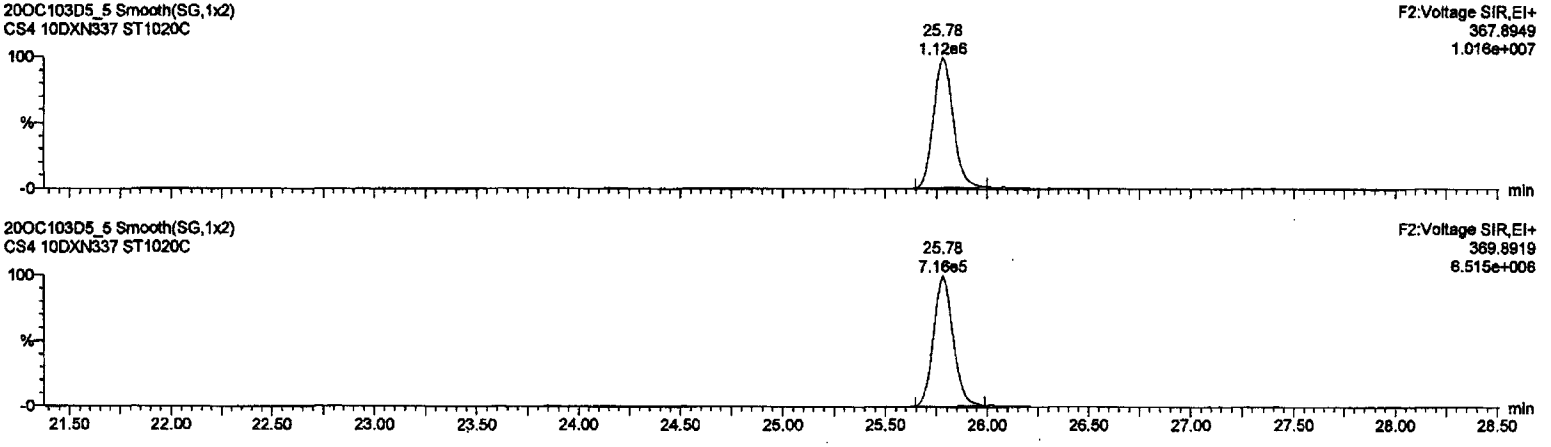
Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

PeCDDs



13C-PeCDD



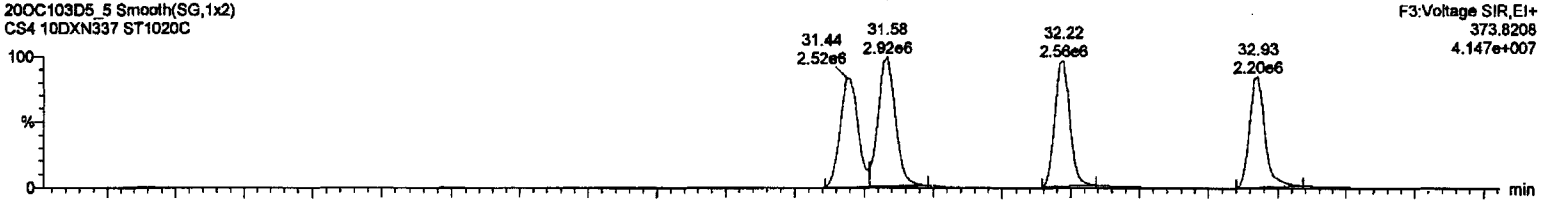
Quantify Sample Report **MassLynx 4.1**

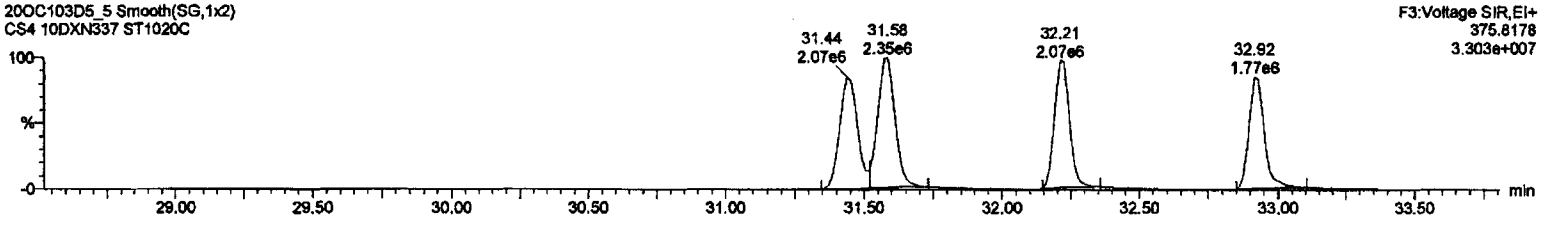
Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

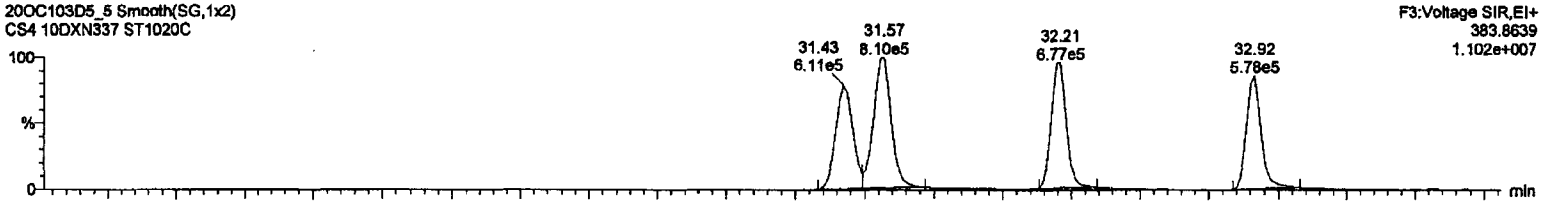
Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

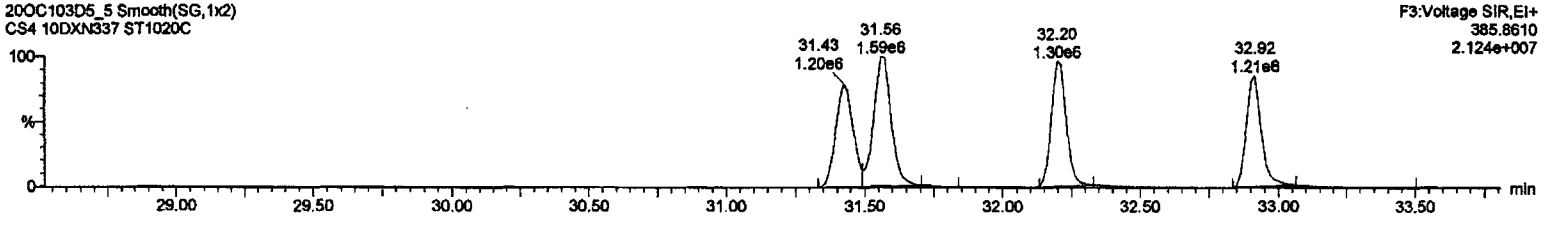
HxCDFs





13C-HxCDFs





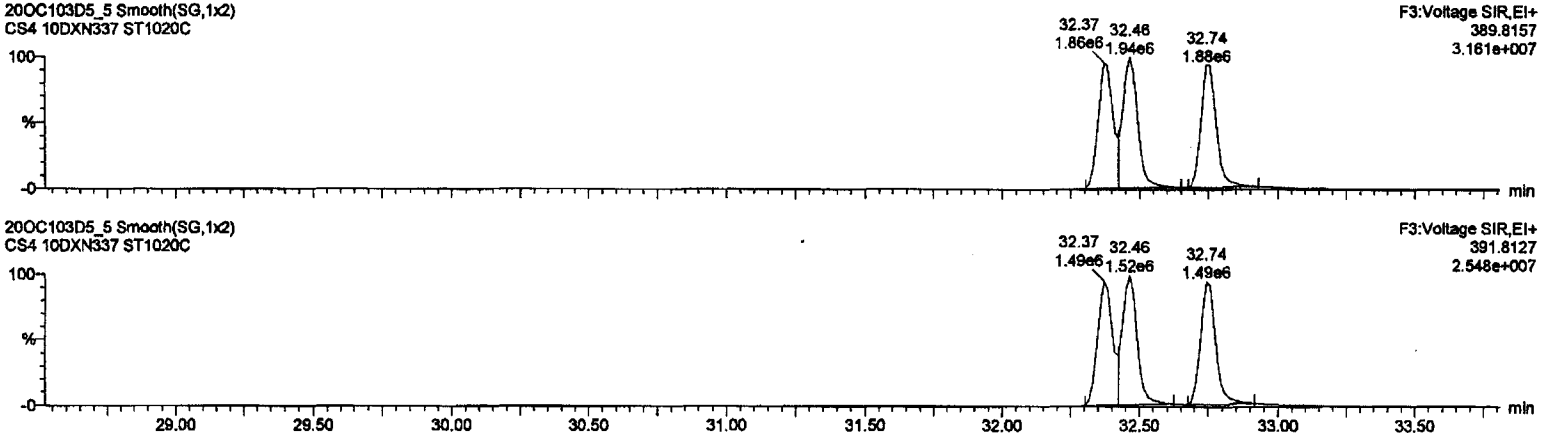
Quantify Sample Report **MassLynx 4.1**

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_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

HxCDDs



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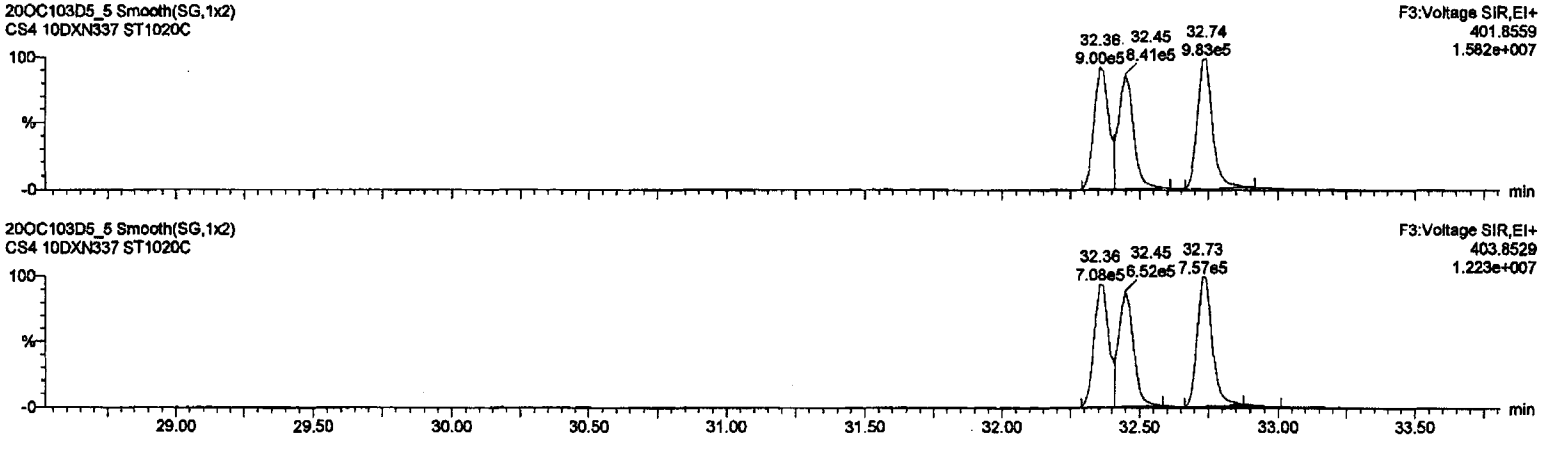


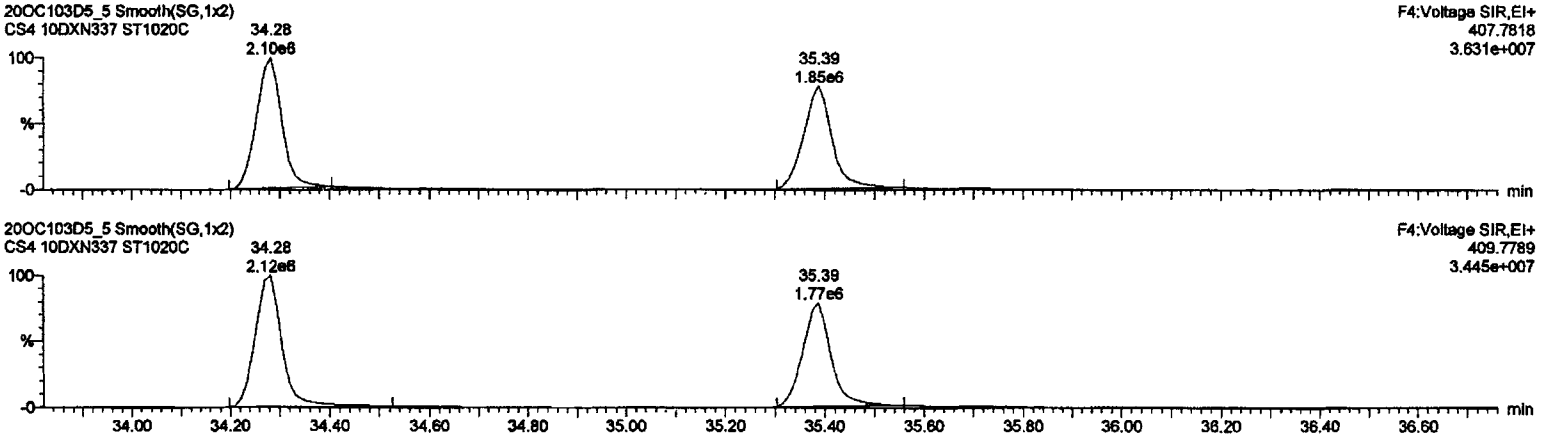
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

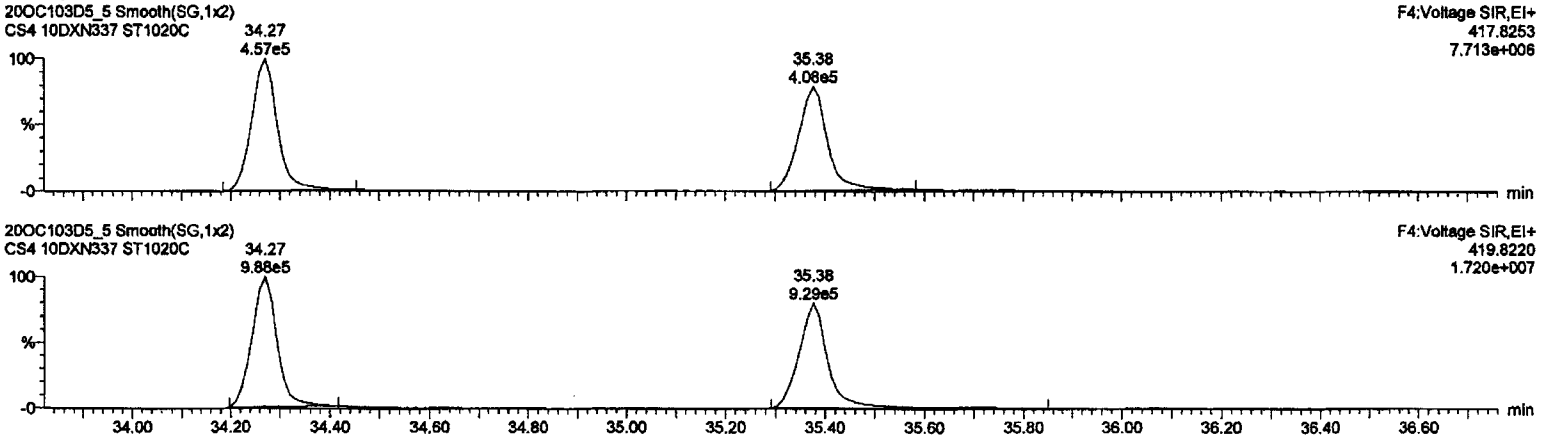
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

HpCDFs



13C-HpCDFs



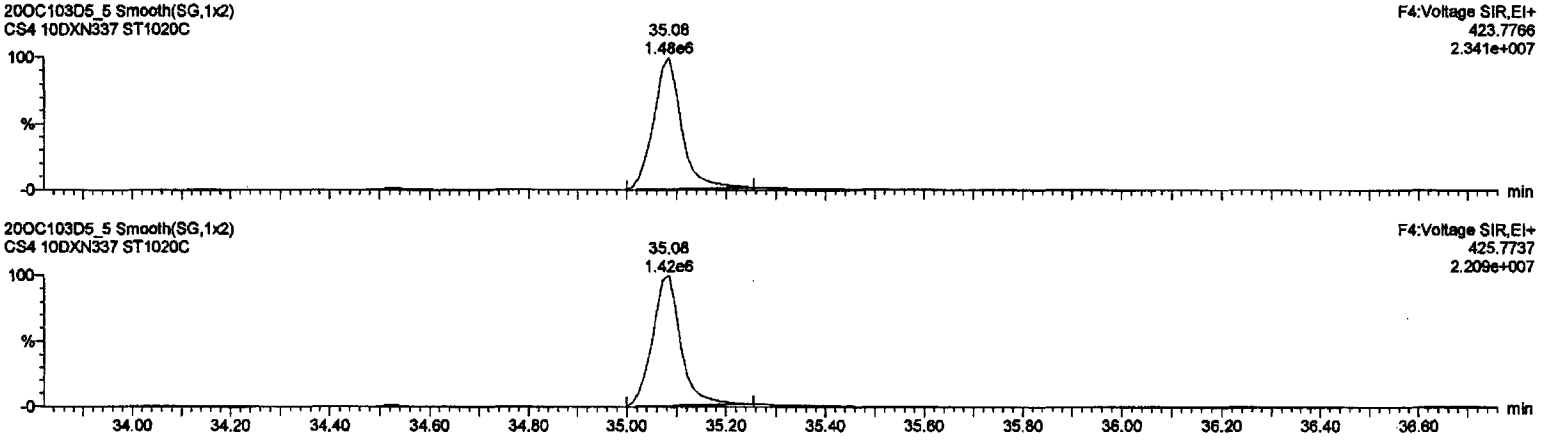
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

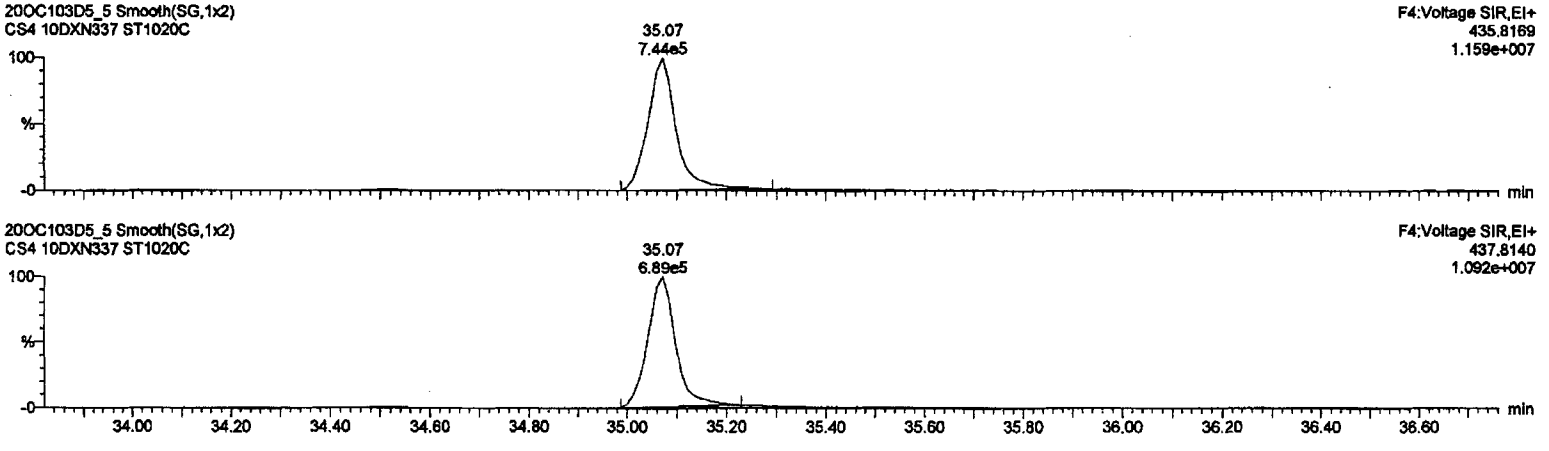
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

HpCDDs



13C-HpCDD



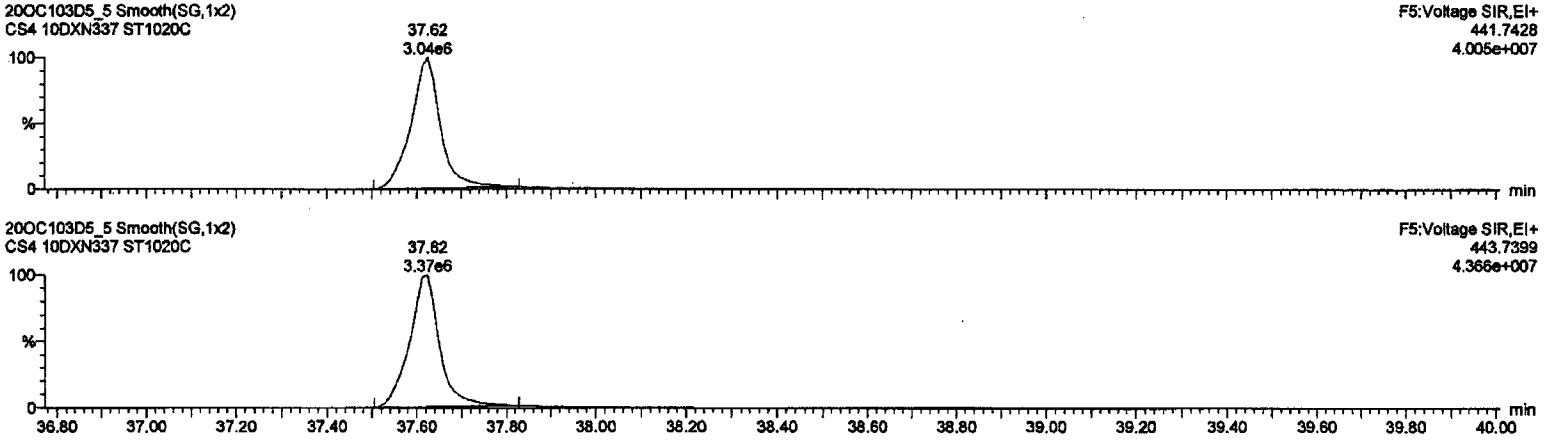
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

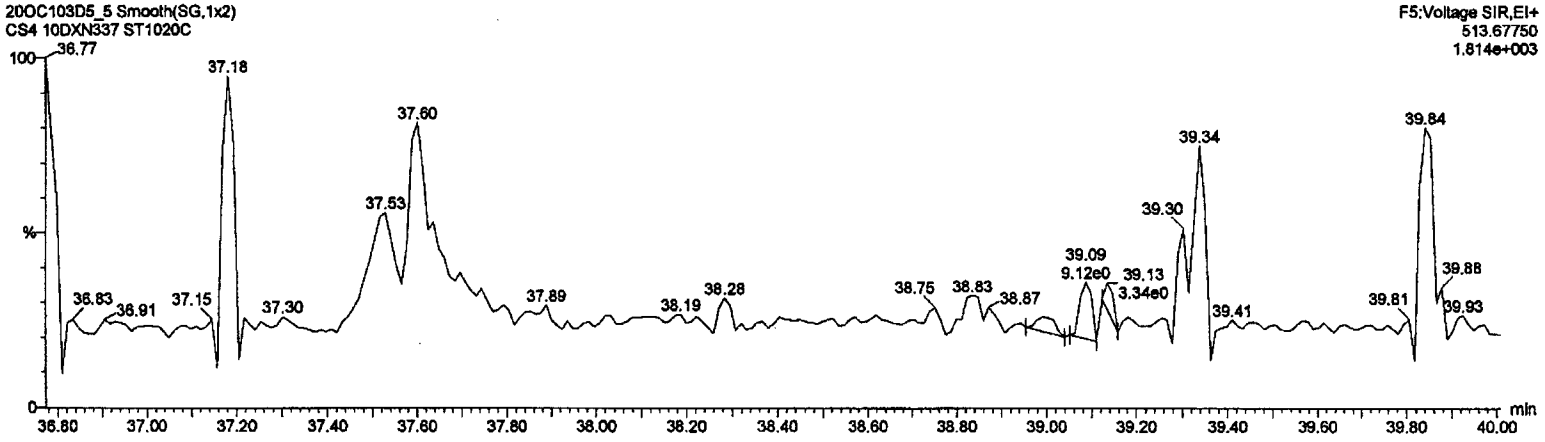
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

OCDFs



OCDF PCDPE



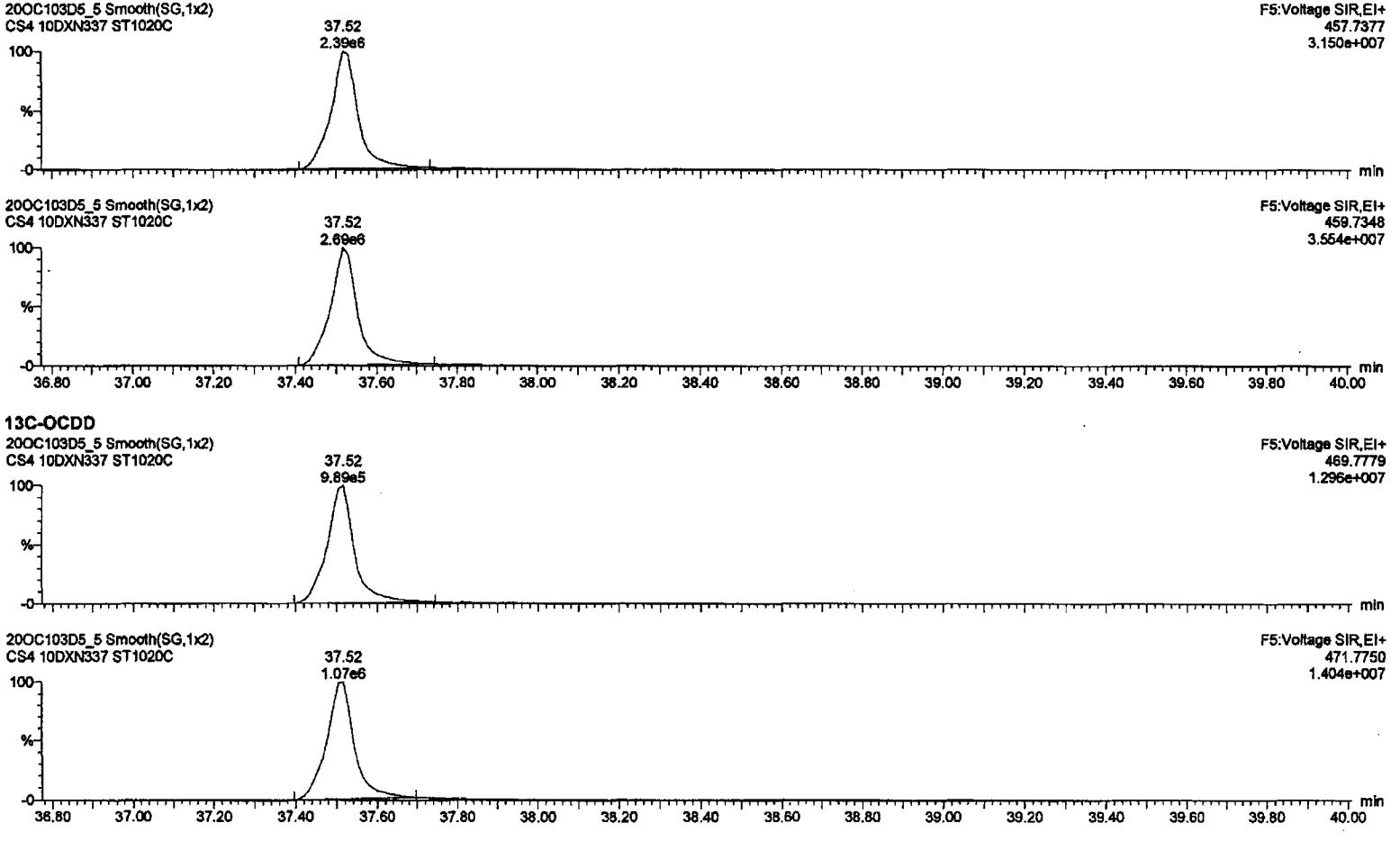
Quantify Sample Report **MassLynx 4.1**

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



13C-OCDD

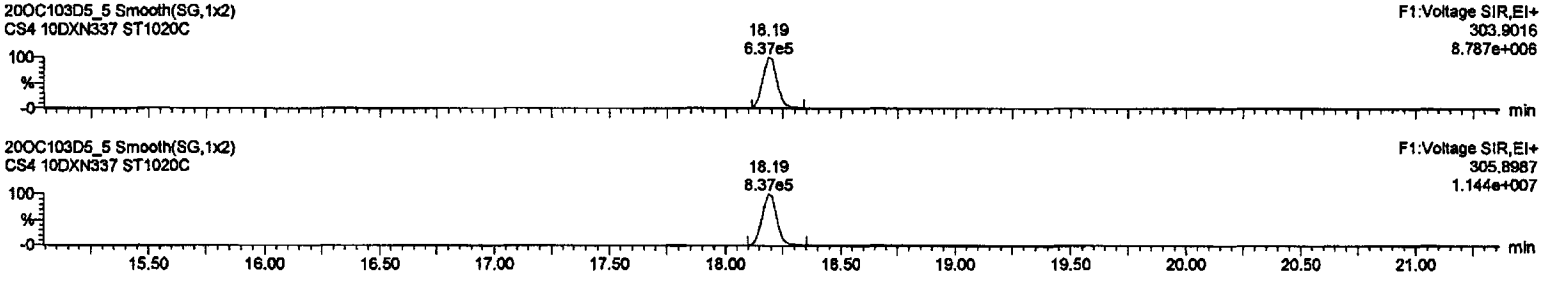
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

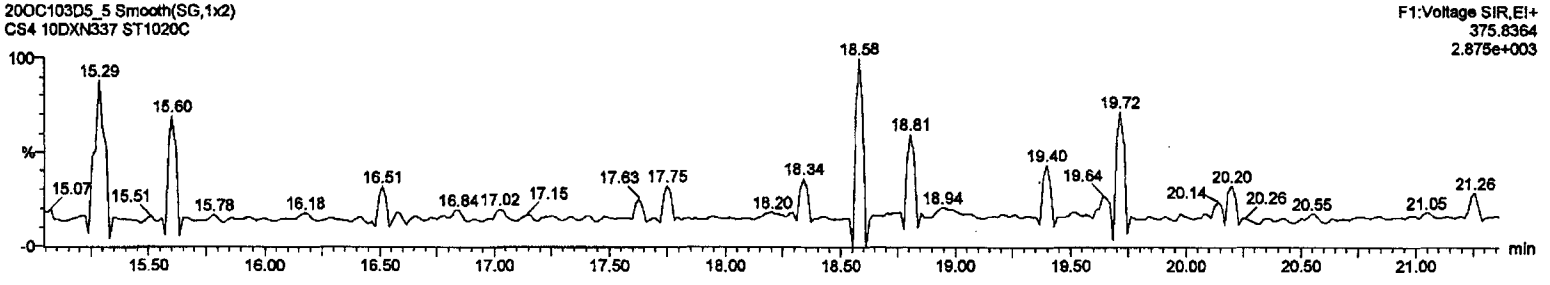
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

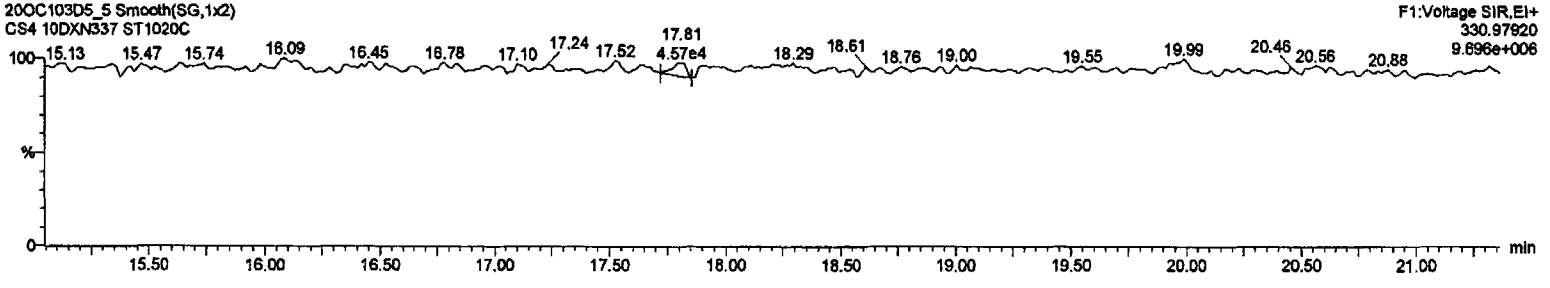
TCDFs



TCDF PCDPE



Function 1 PFK



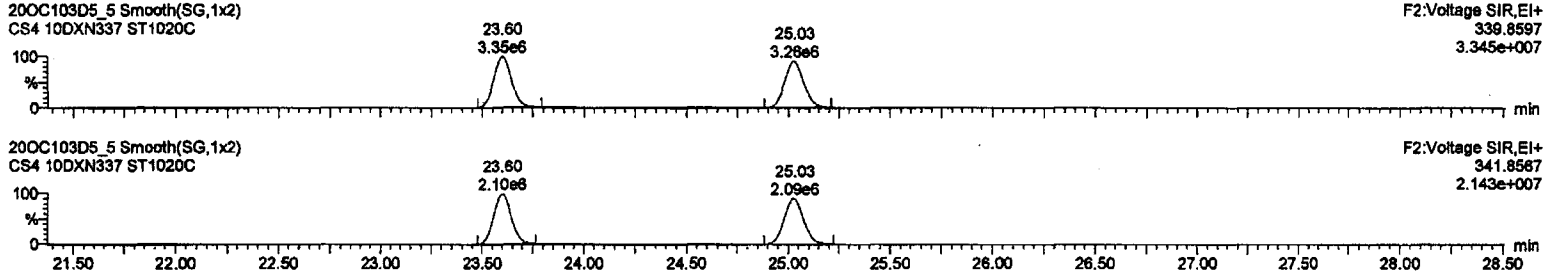
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

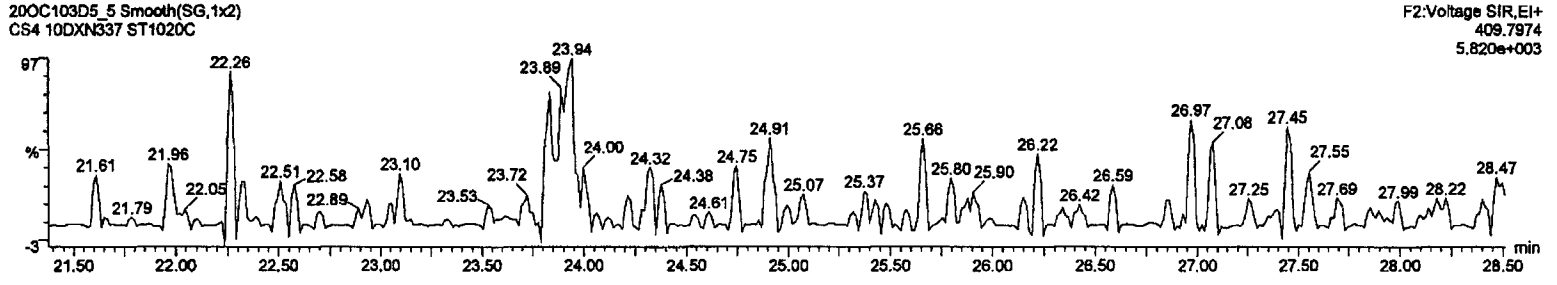
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

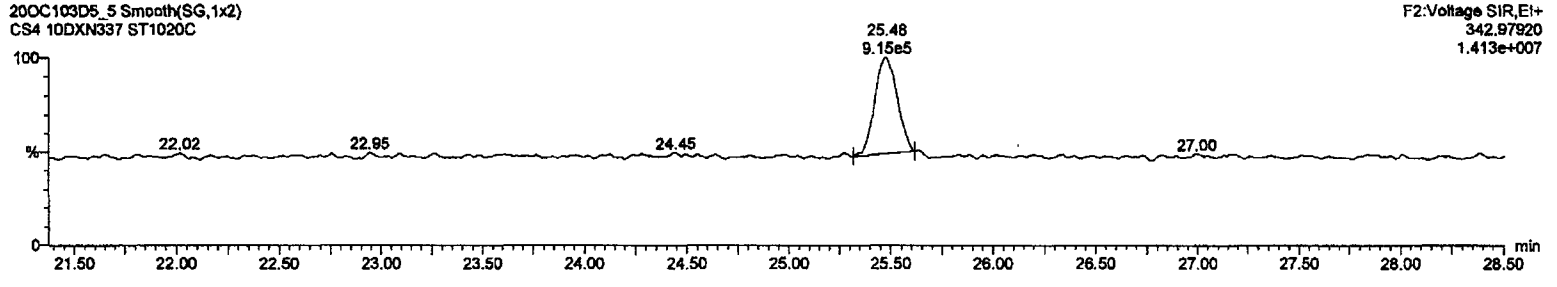
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



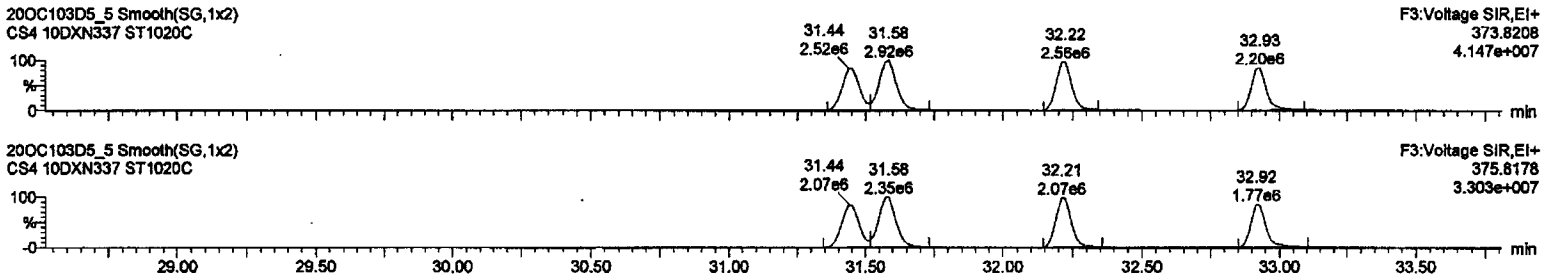
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

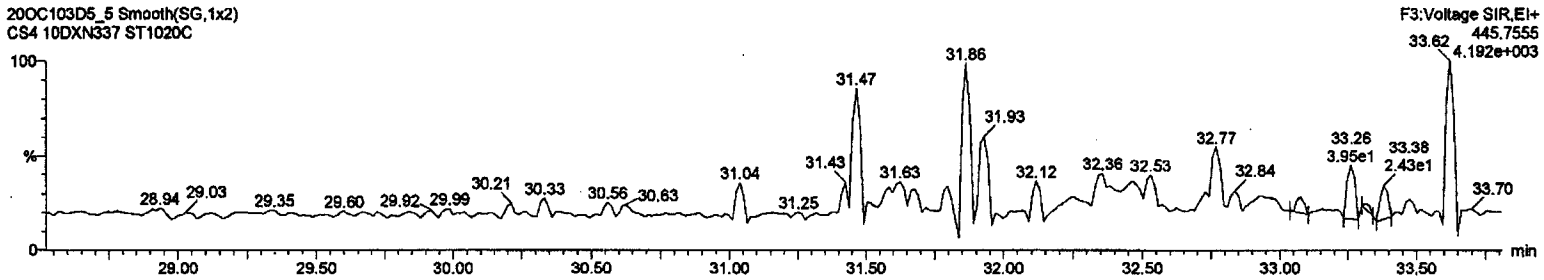
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

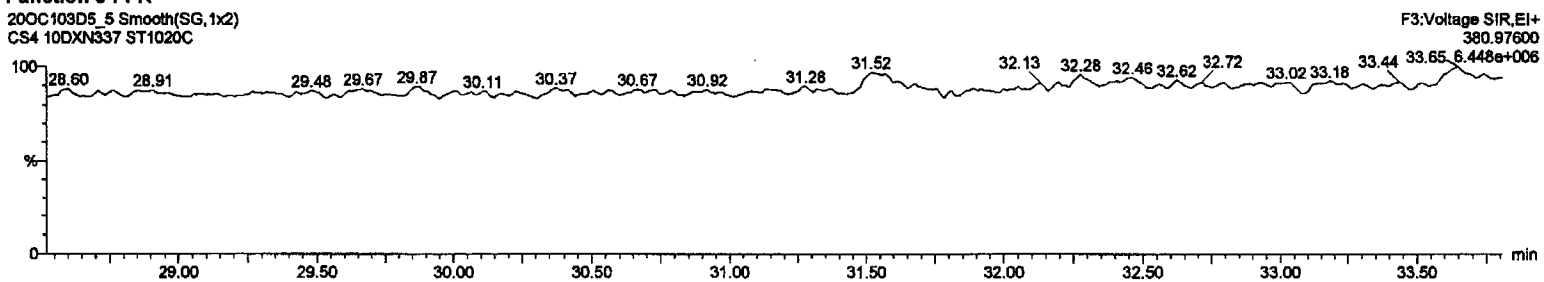
HxCDFs



HxCDF PCDPE



Function 3 PFK



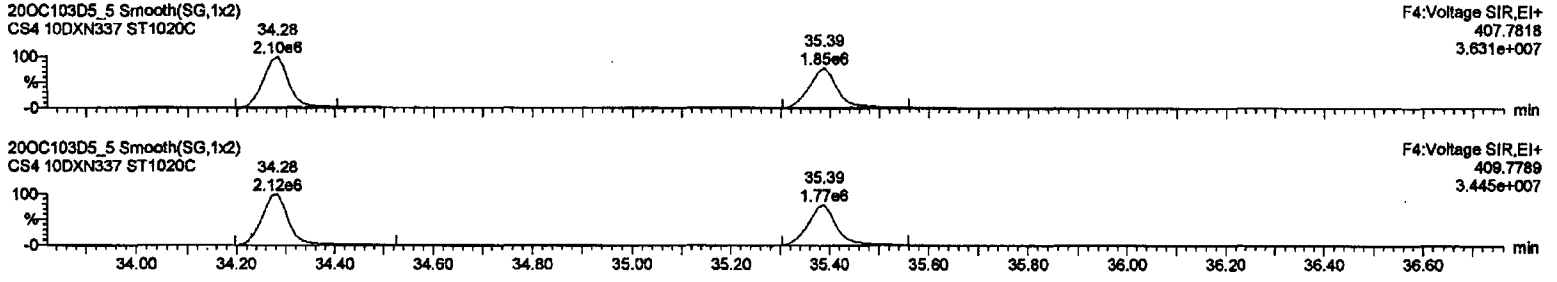
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

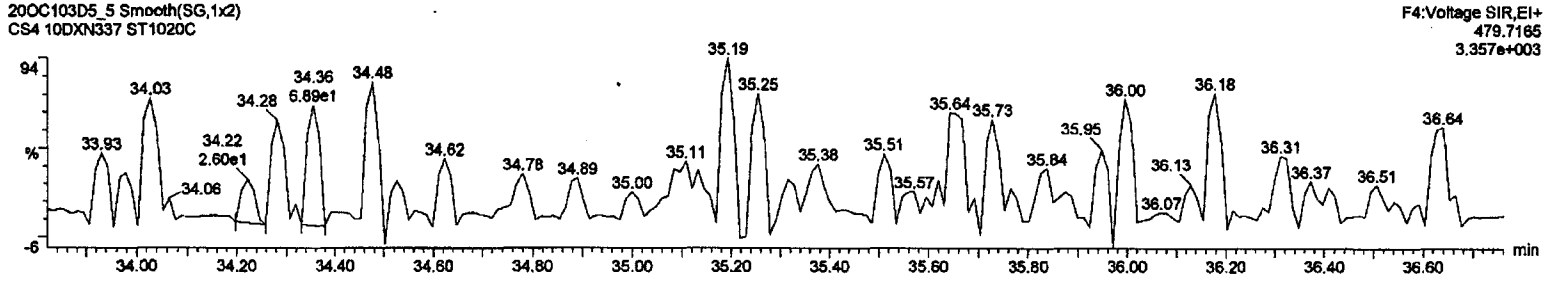
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

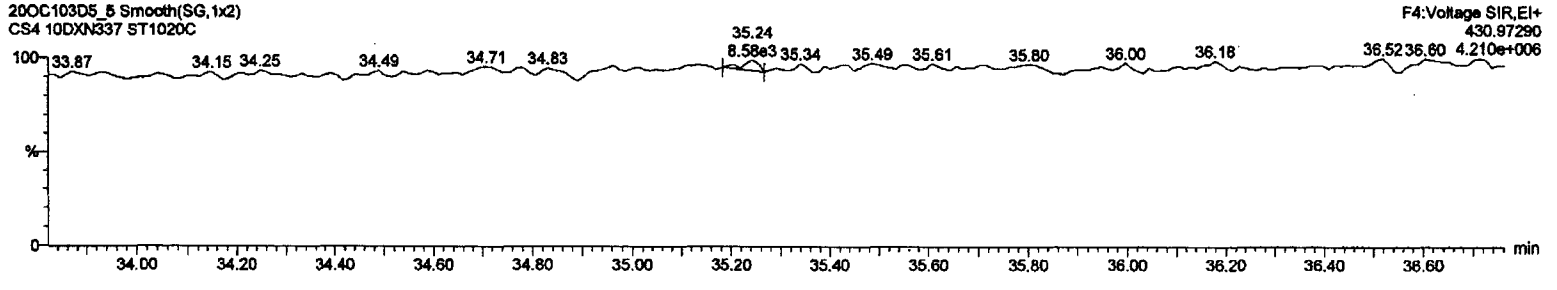
HpCDFs



HpCDF PCDPE



Function 4 PFK



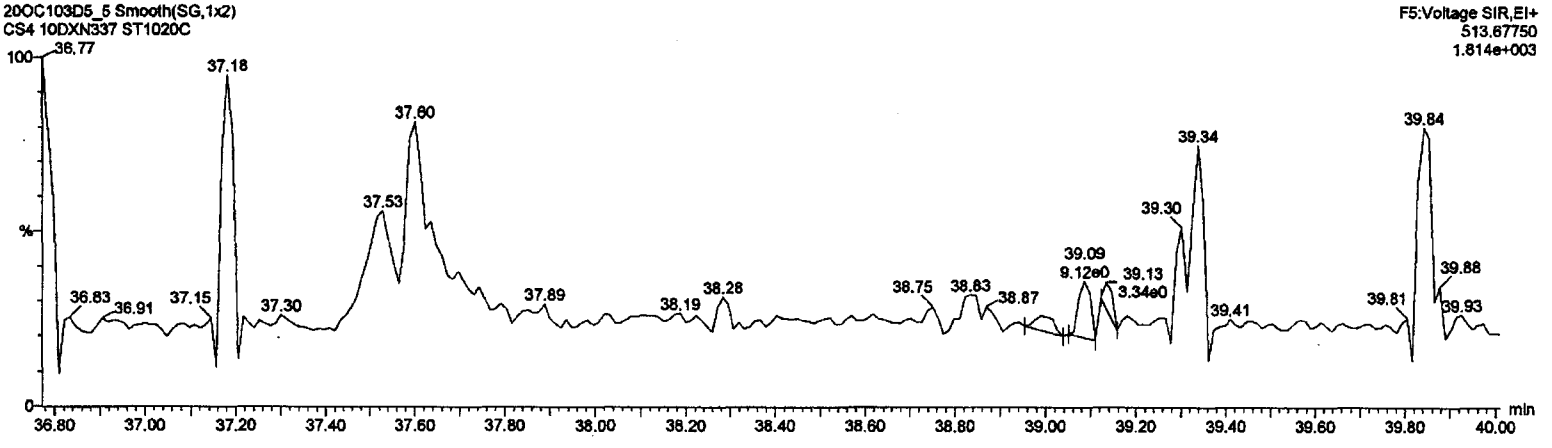
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

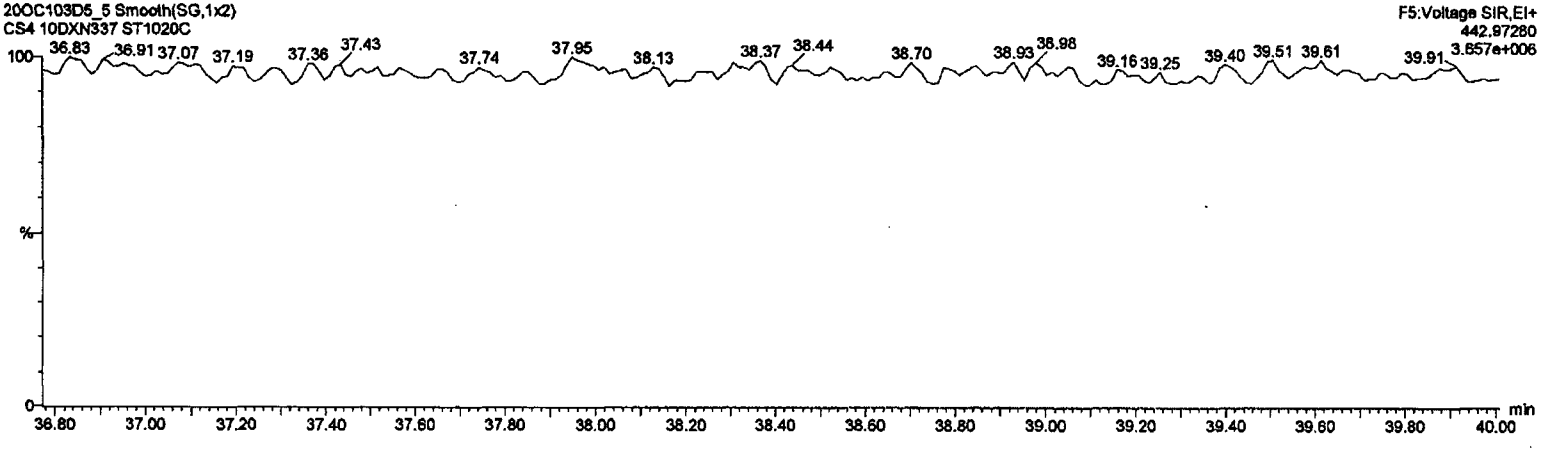
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_5, Date: 20-Oct-2010, Time: 13:57:18, ID: ST1020C, Description: CS4 10DXN337

OCDF PCDPE



Function 5 PFK



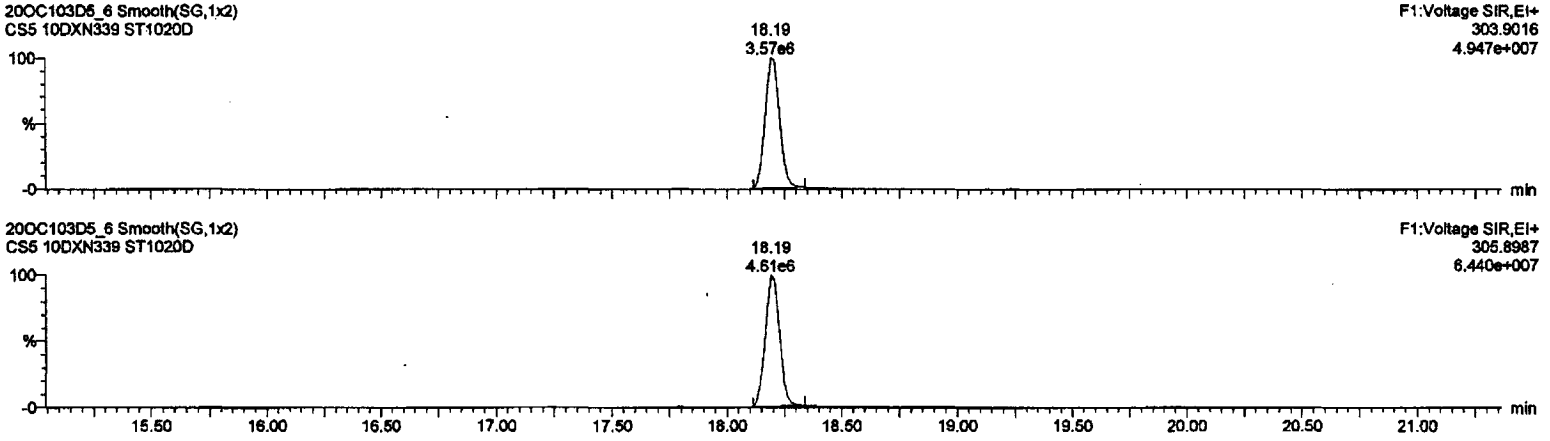
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

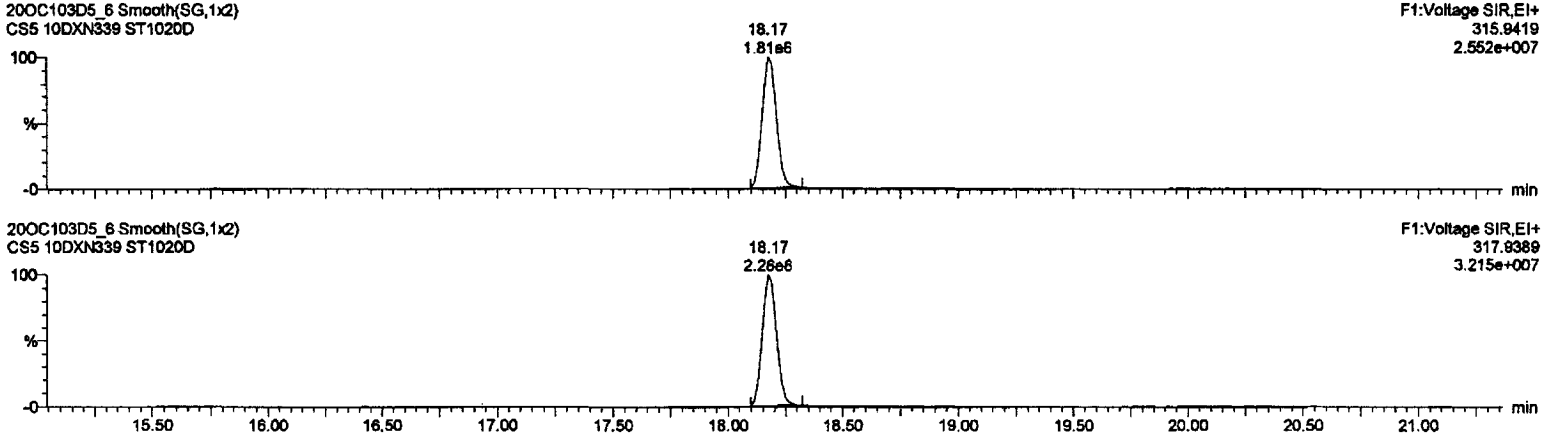
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

TCDFs



13C-TCDF



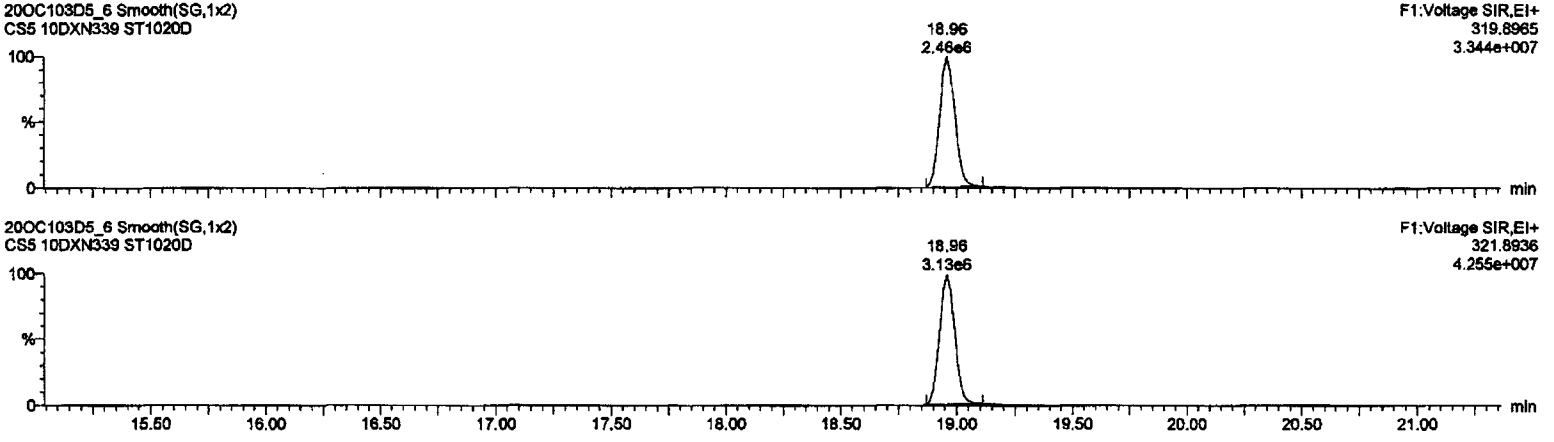
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

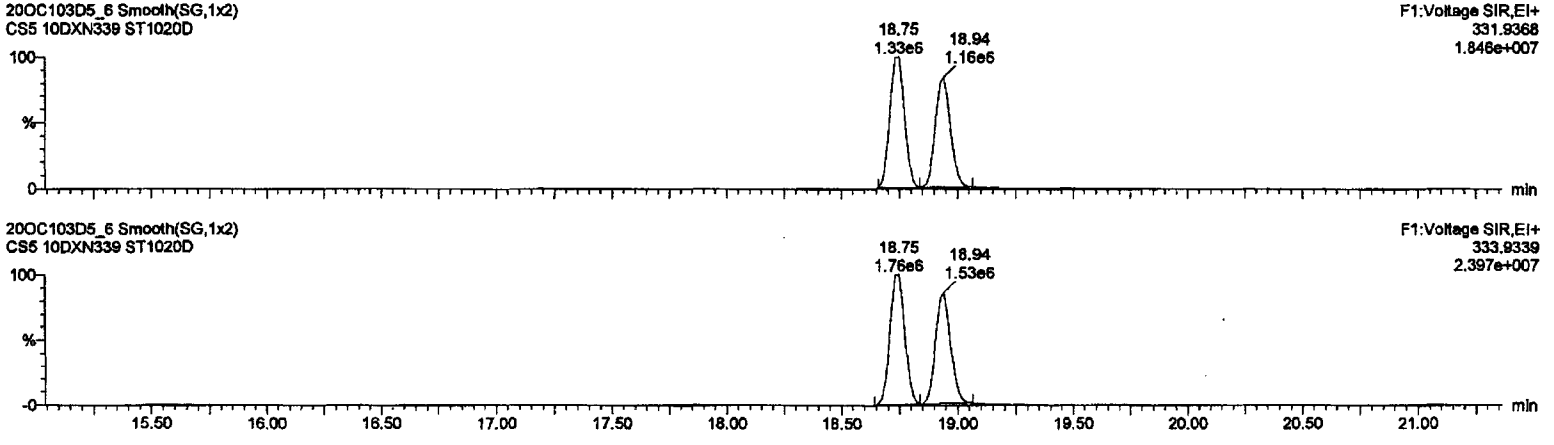
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

TCDDs



13C-TCDDs



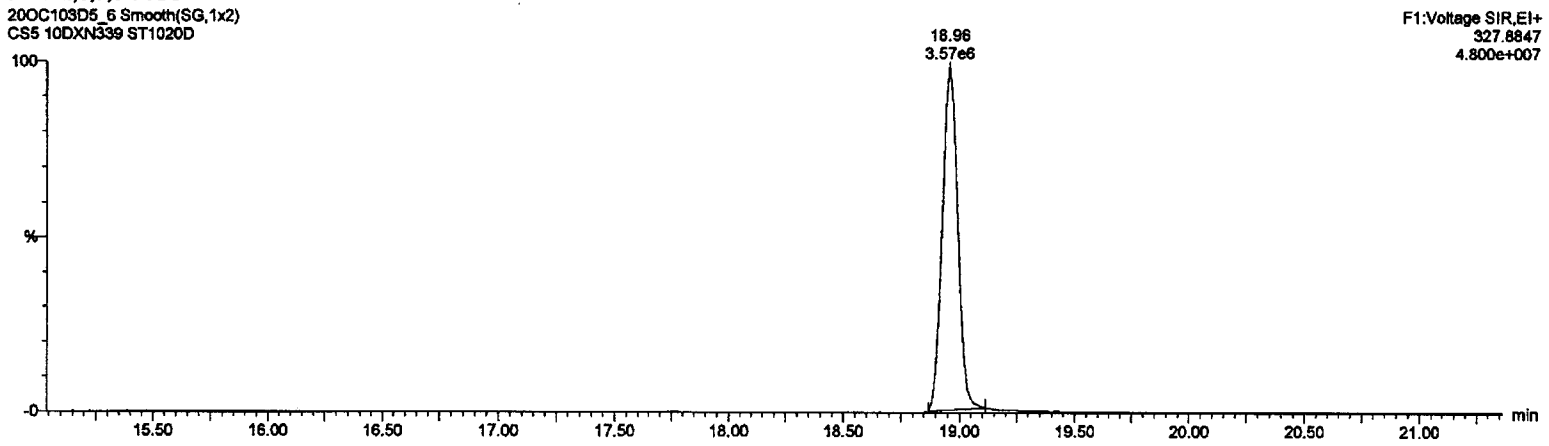
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

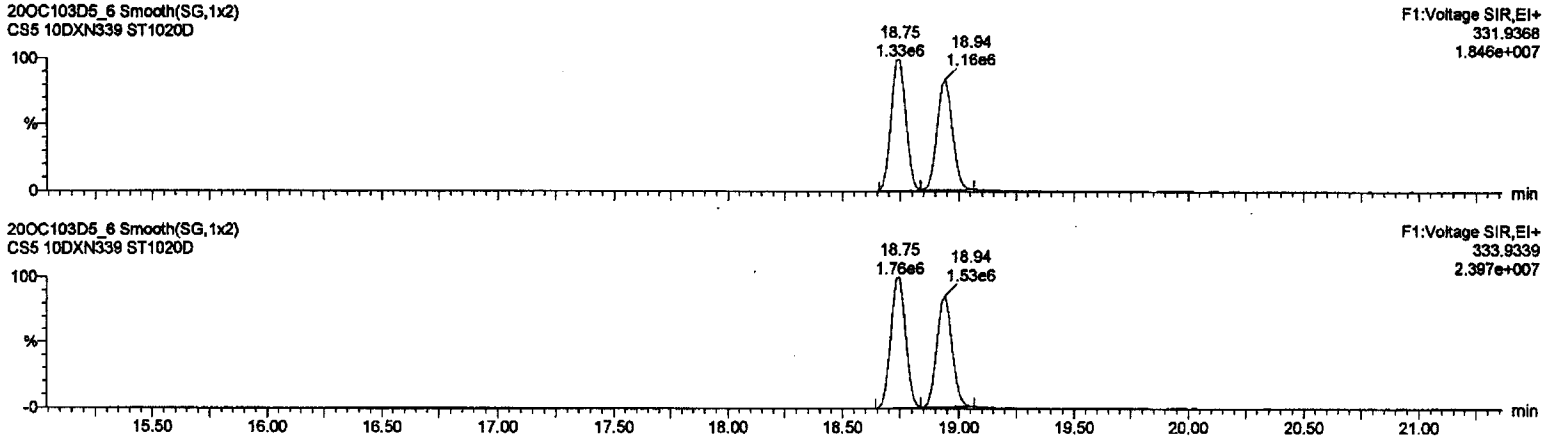
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

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



13C-TCDDs



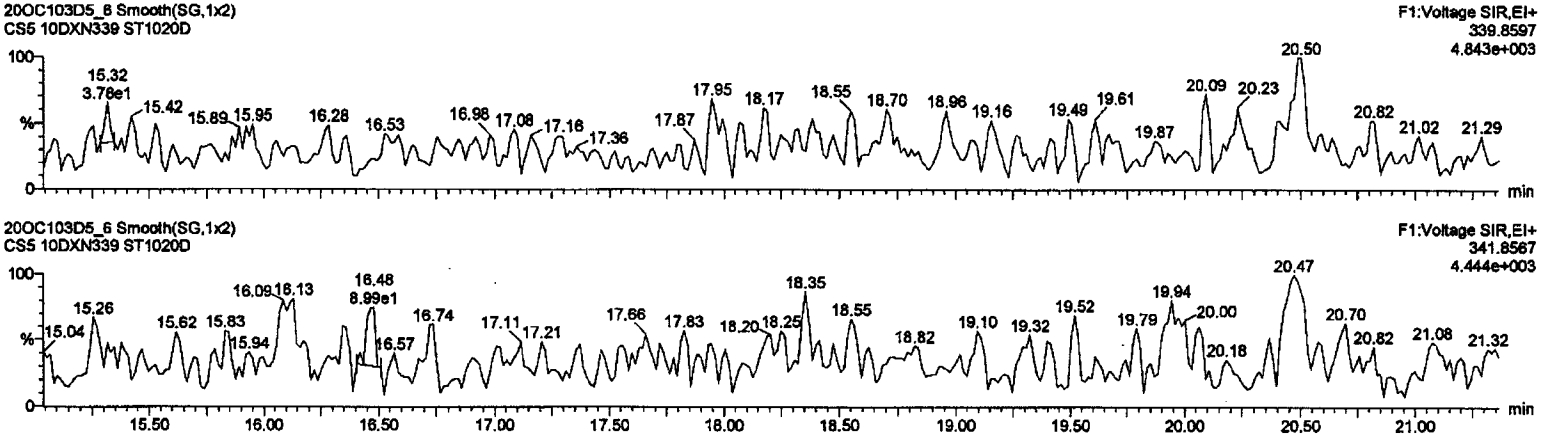
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

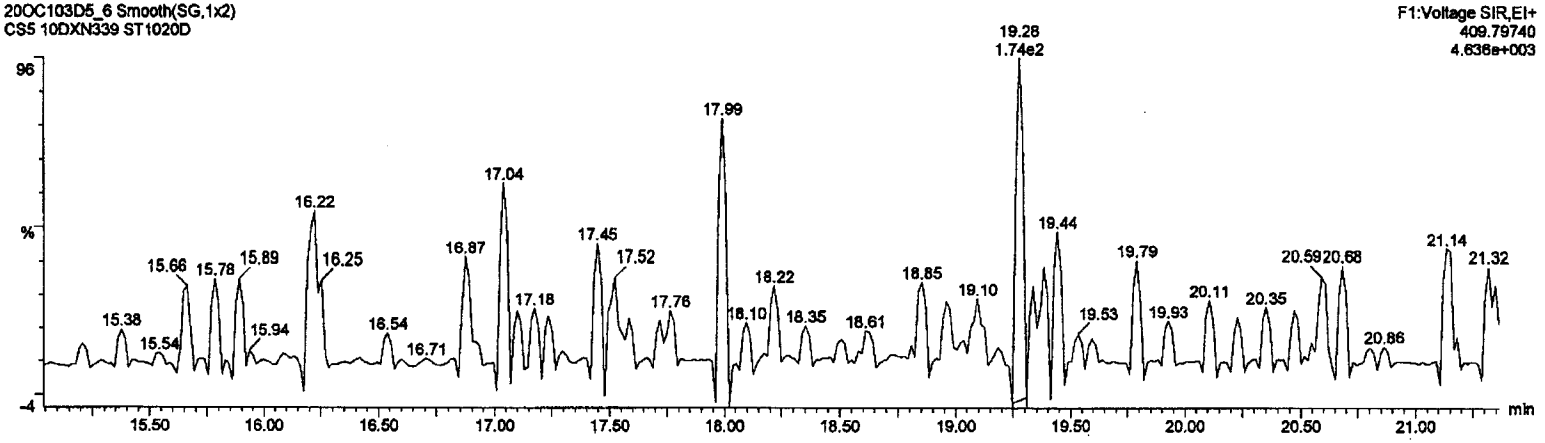
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

F1 PeCDFs



F1 PeCDF PCDPE



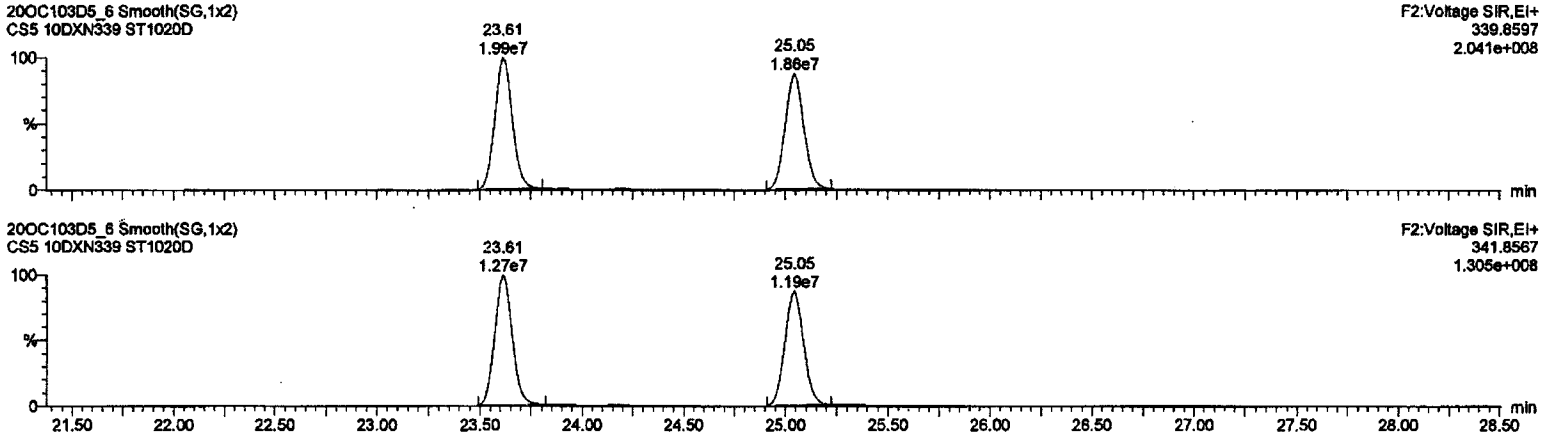
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

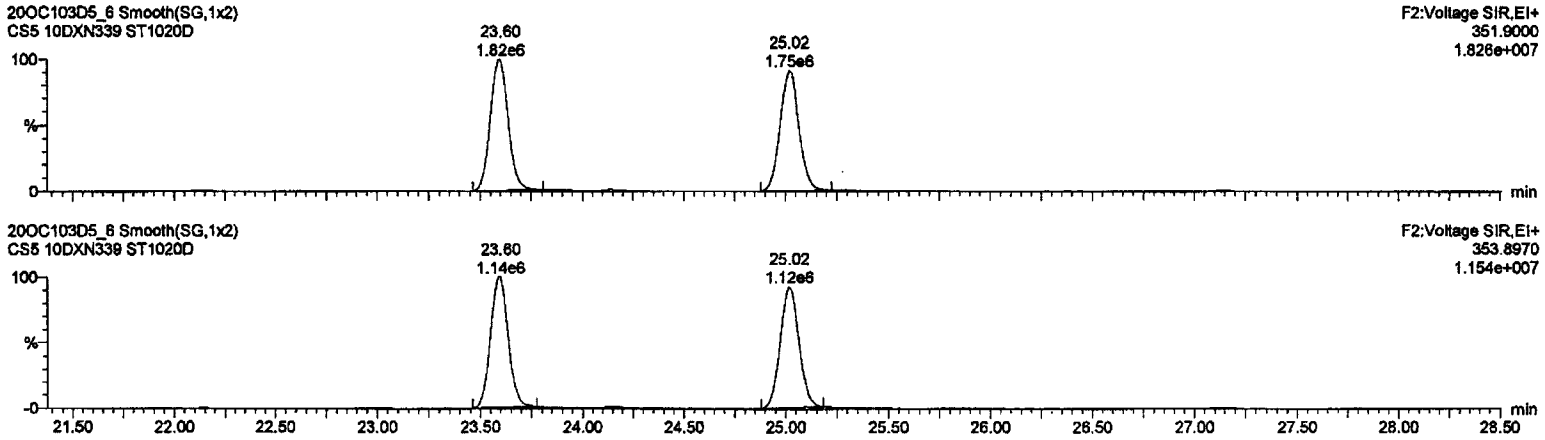
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

PeCDFs



13C-PeCDFs



Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

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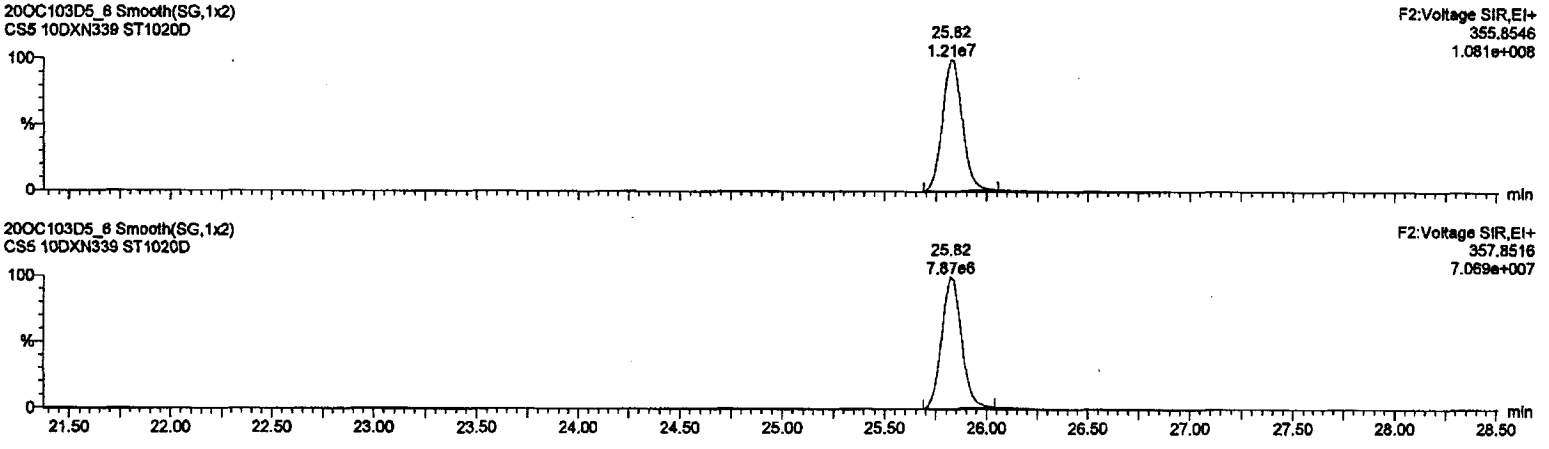
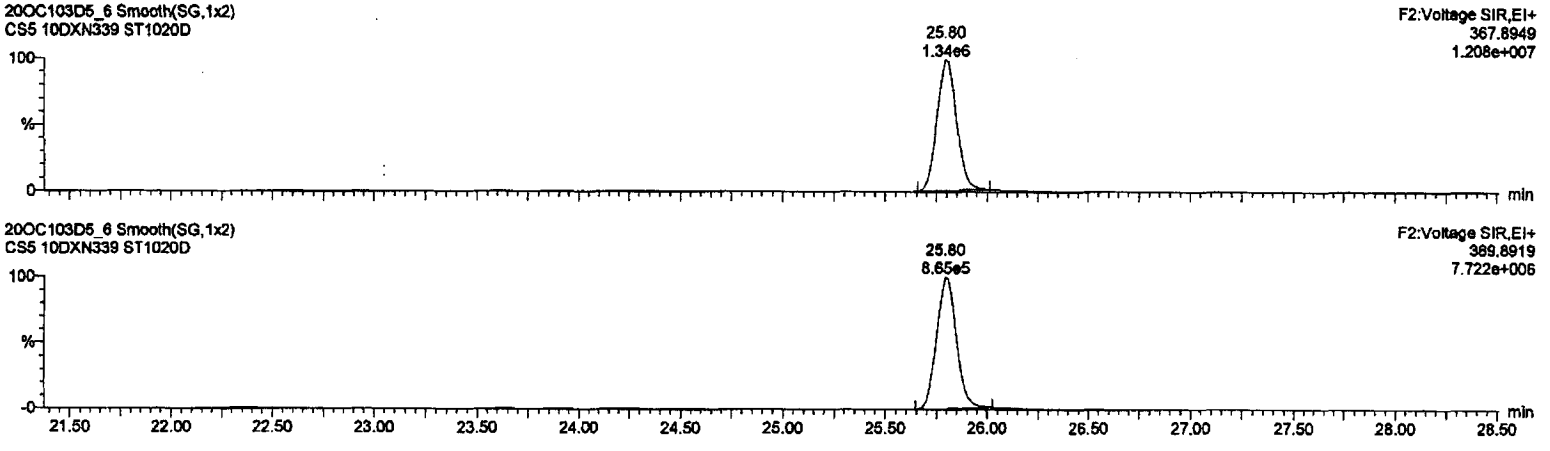
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

PeCDDs



13C-PeCDD



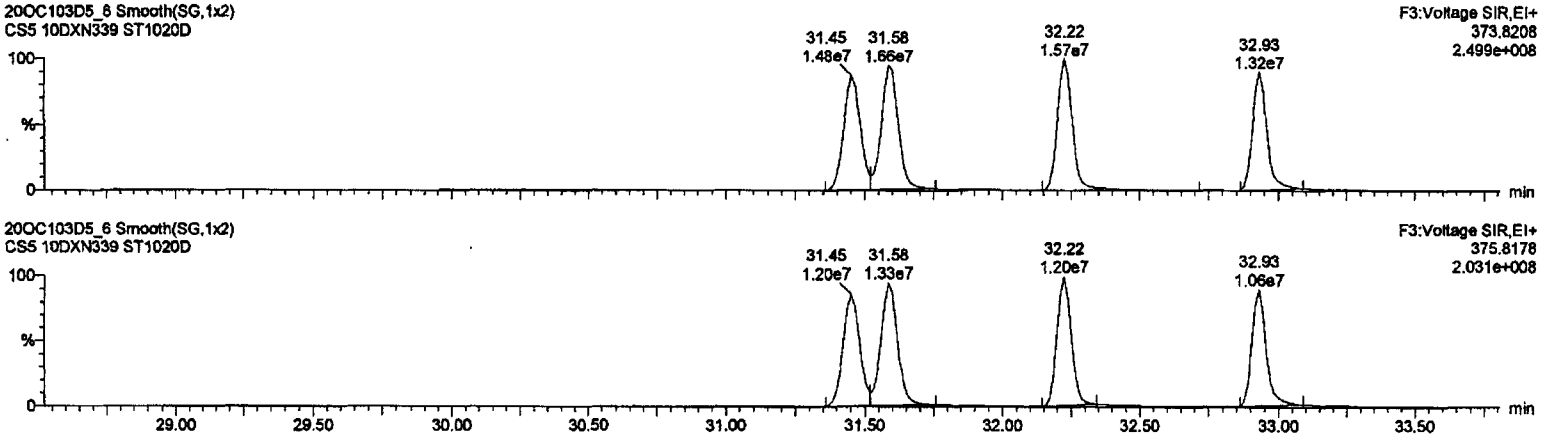
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

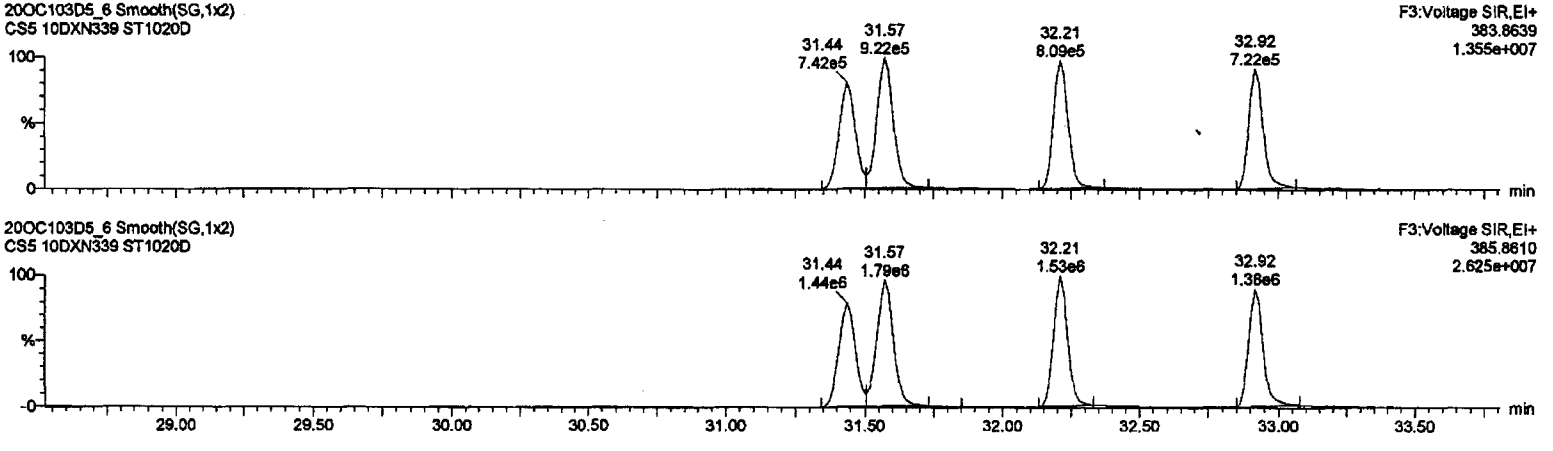
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

HxCDFs



13C-HxCDFs



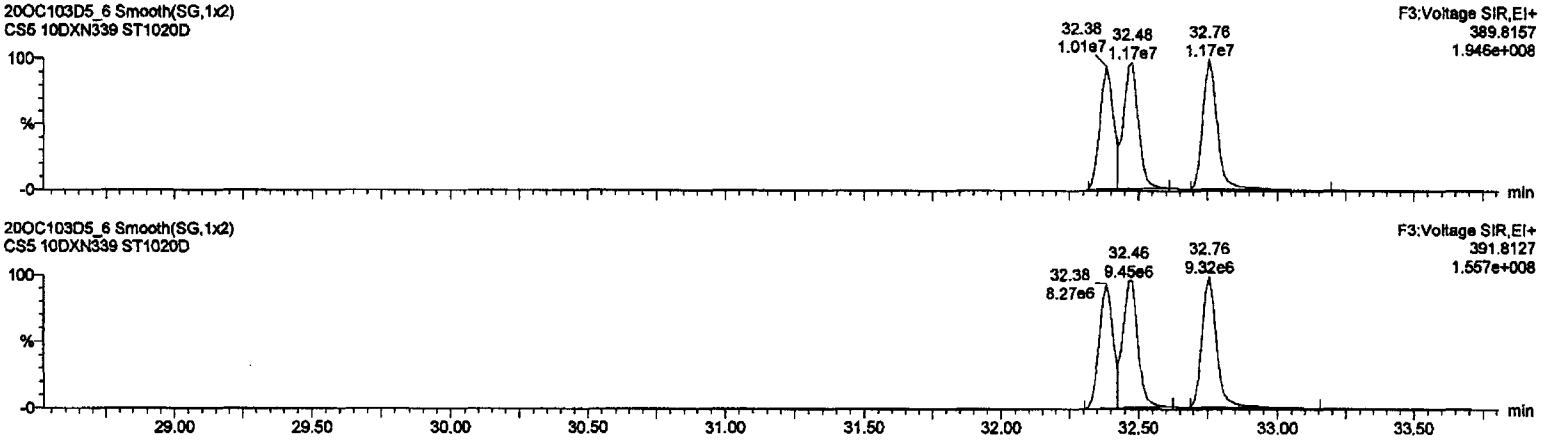
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

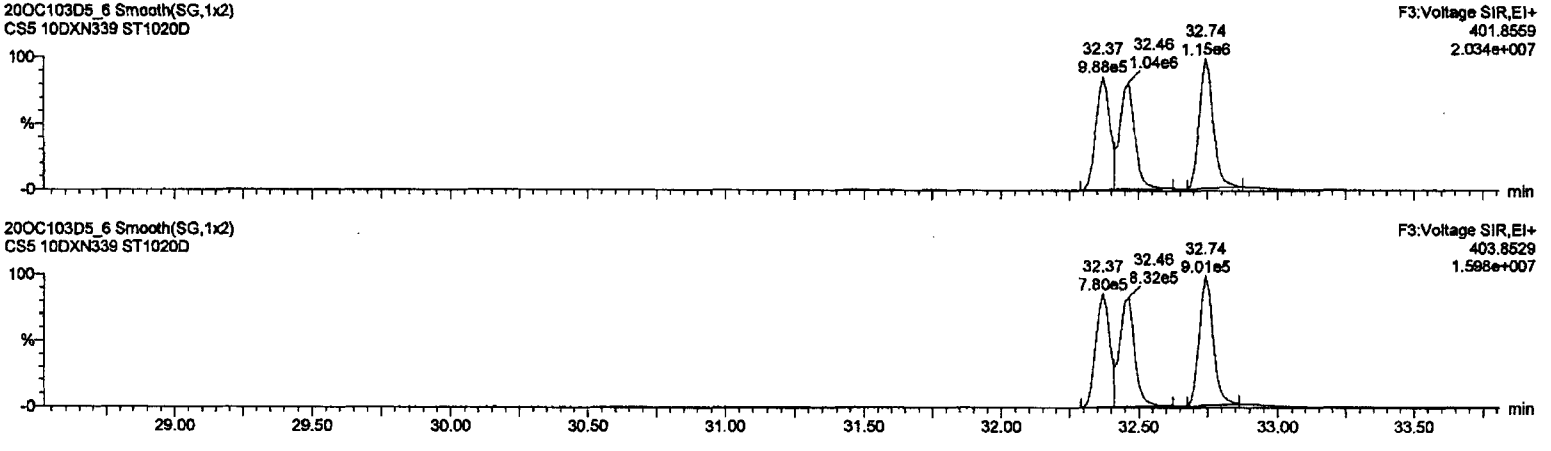
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

HxCDDs



13C-HxCDDs



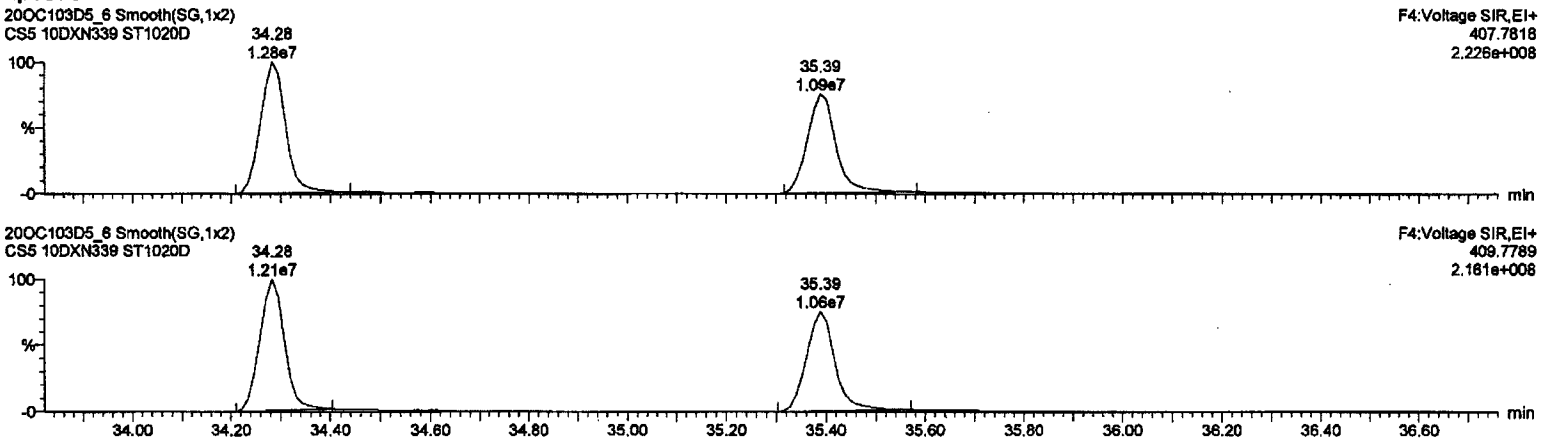
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

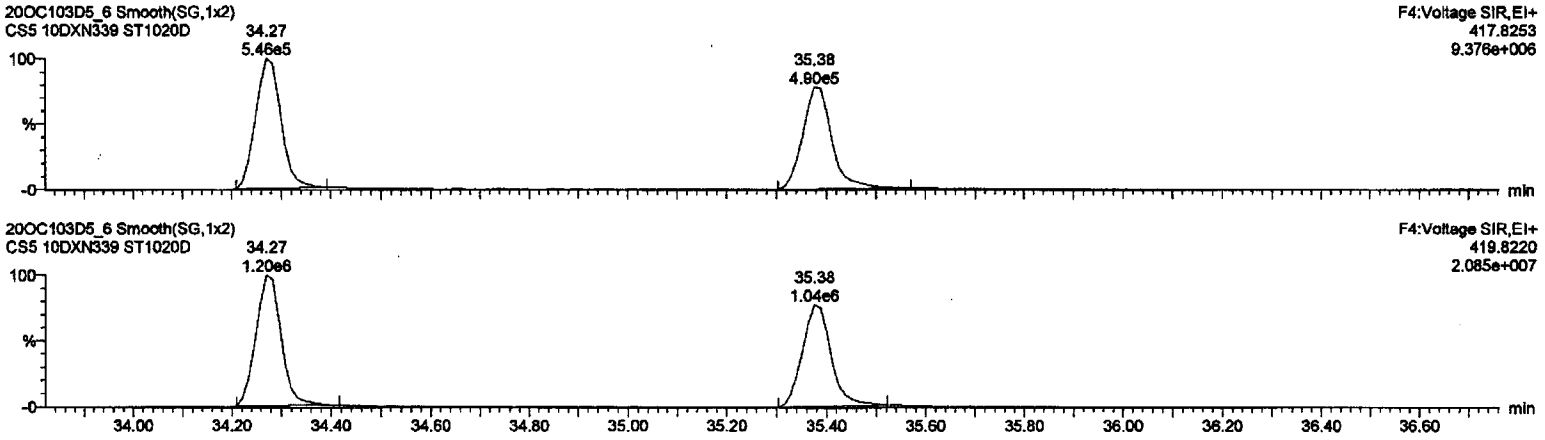
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

HpCDFs



13C-HpCDFs



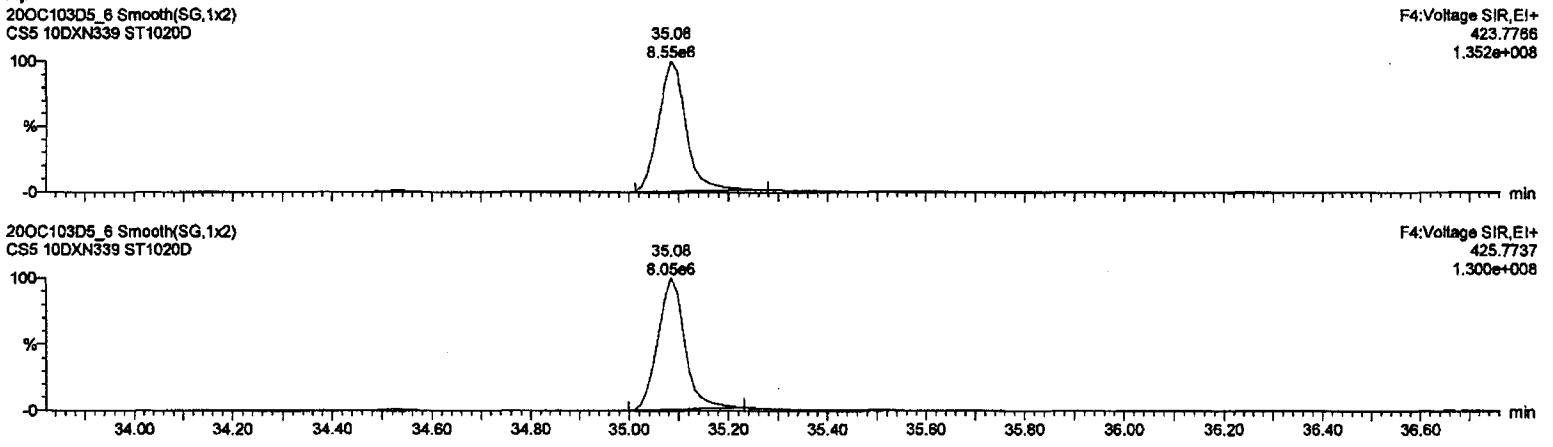
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

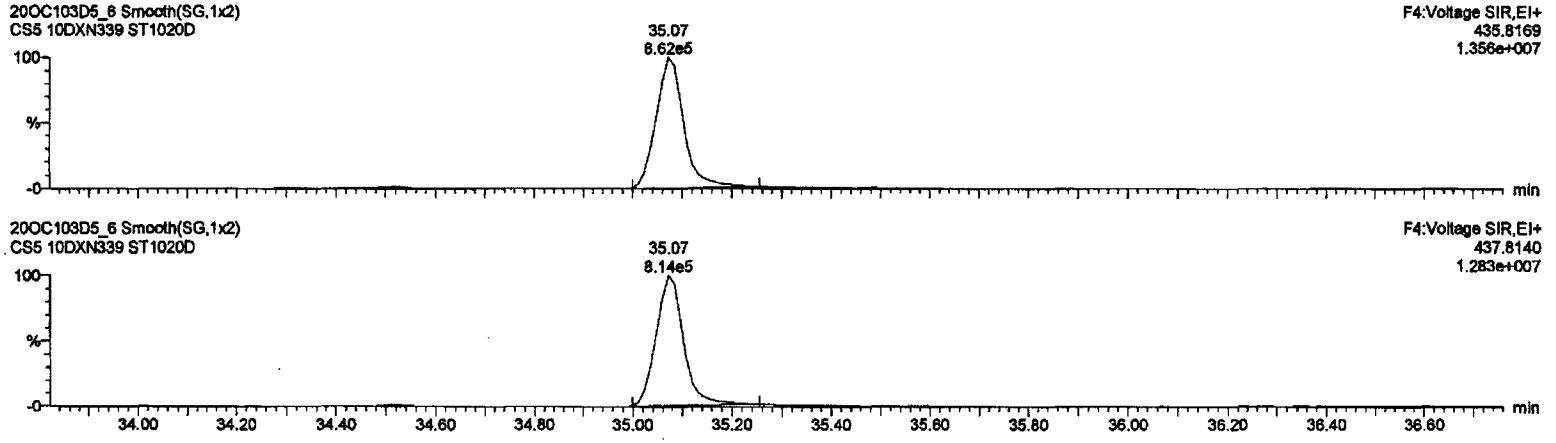
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

HpCDDs



13C-HpCDD



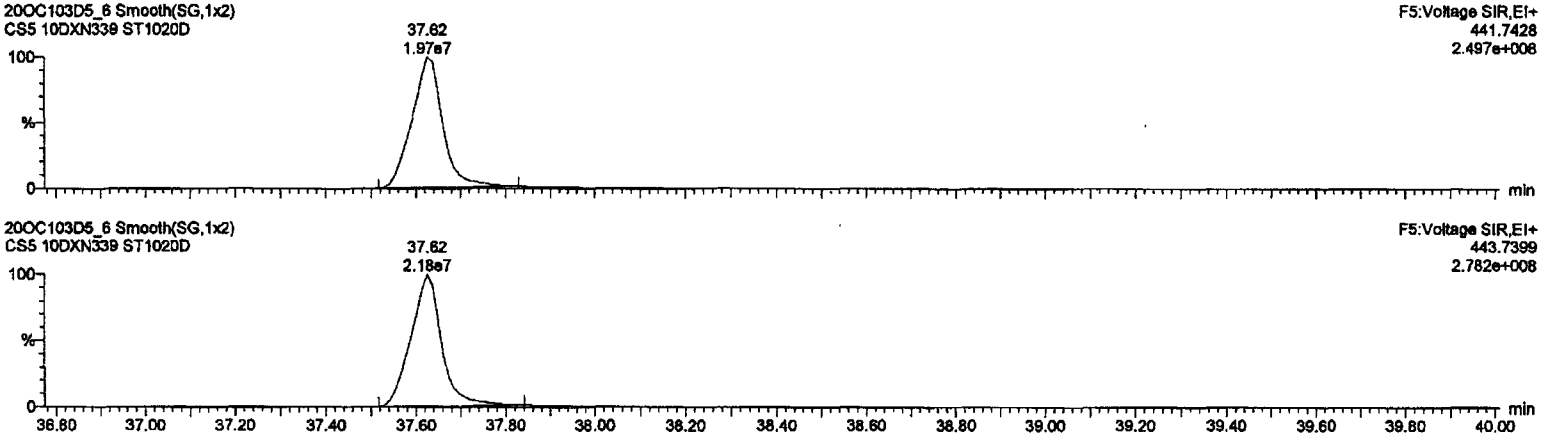
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

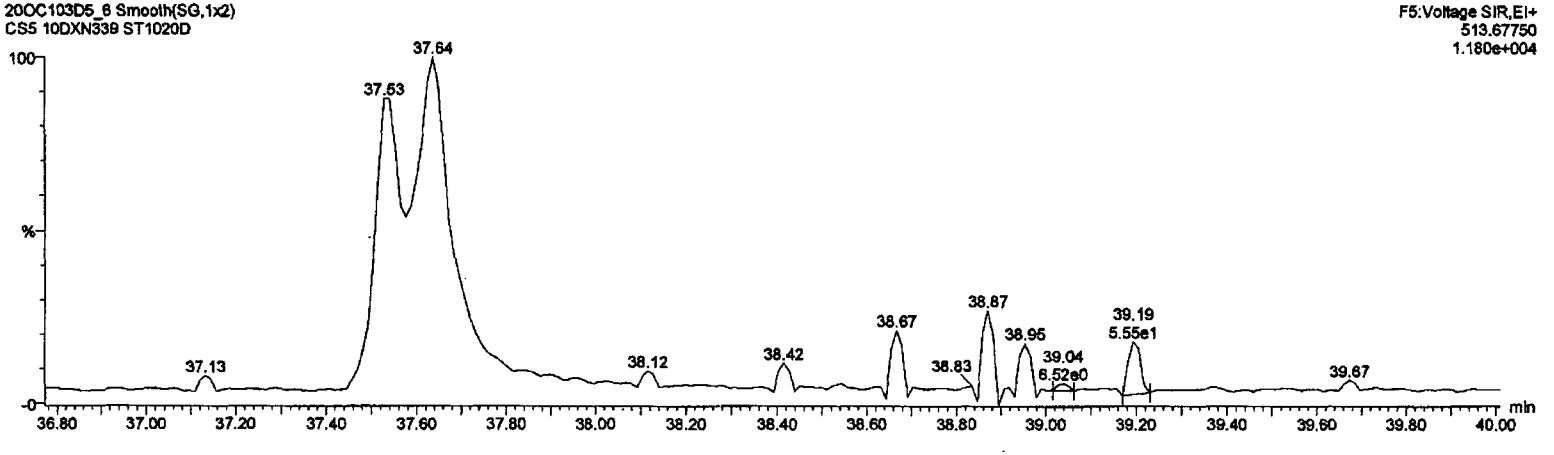
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

OCDFs



OCDF PCDPE



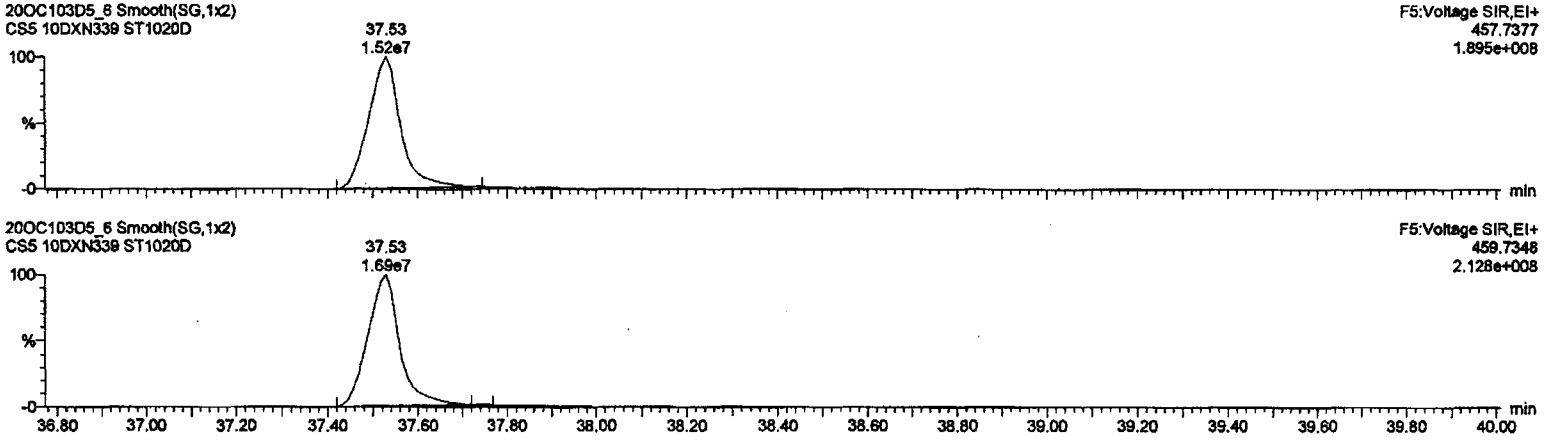
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

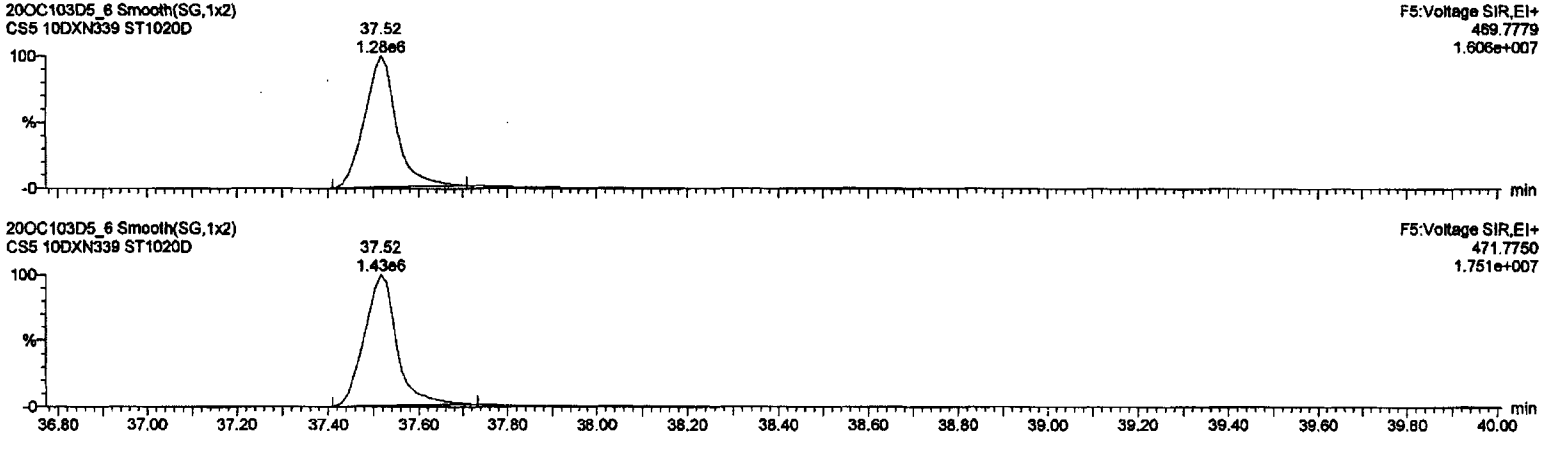
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

OCDD



13C-OCDD



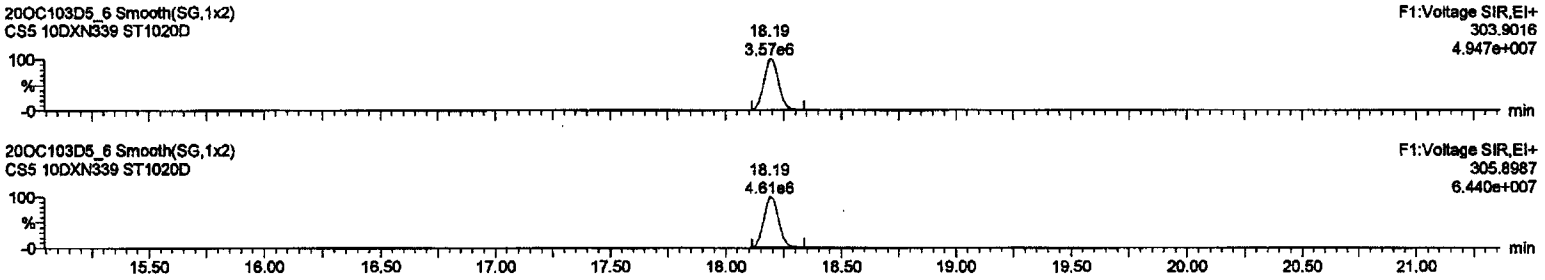
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

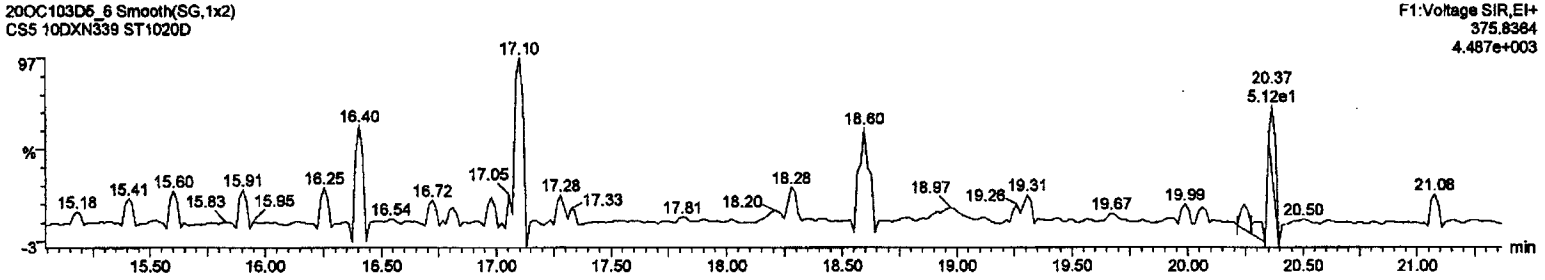
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

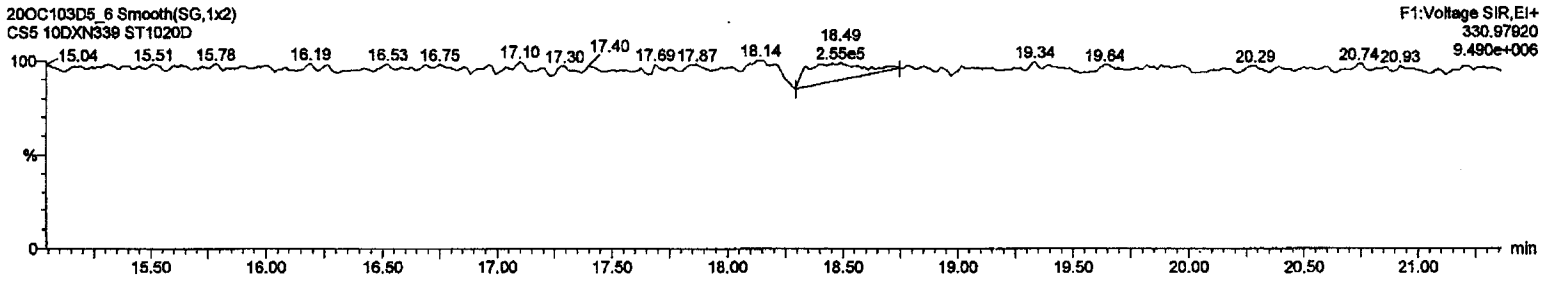
TCDFs



TCDF PCDPE



Function 1 PFK



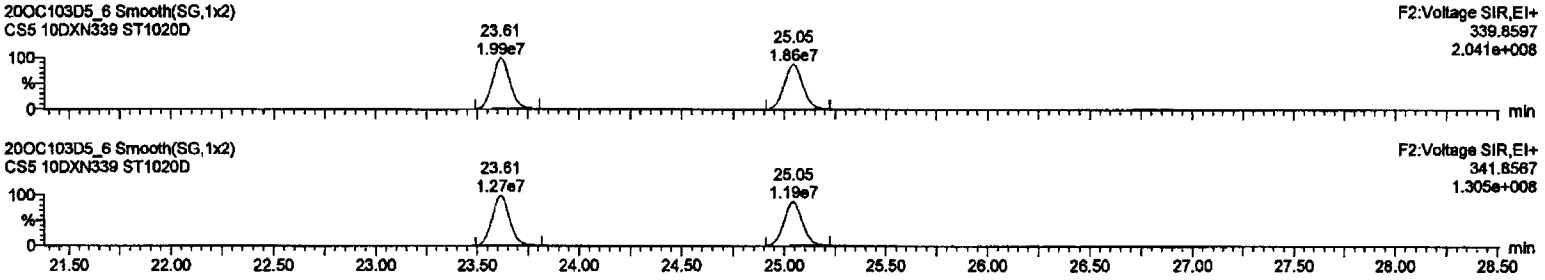
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

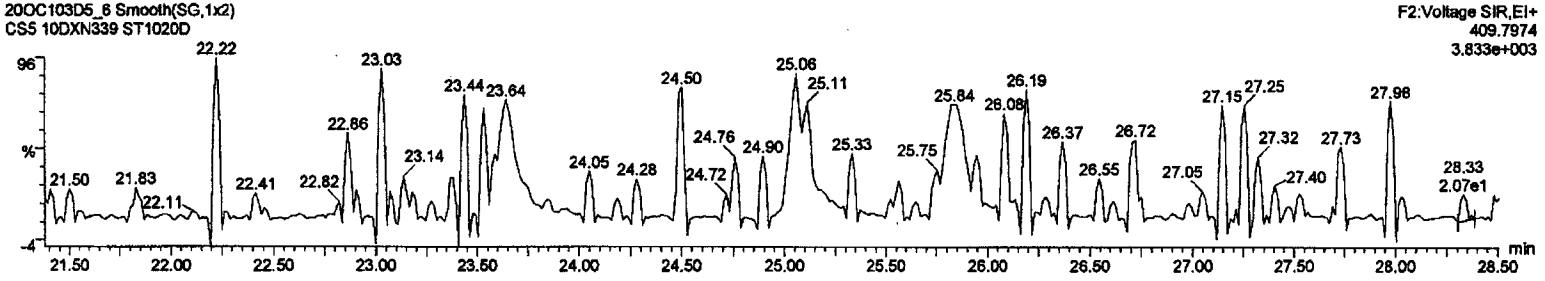
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

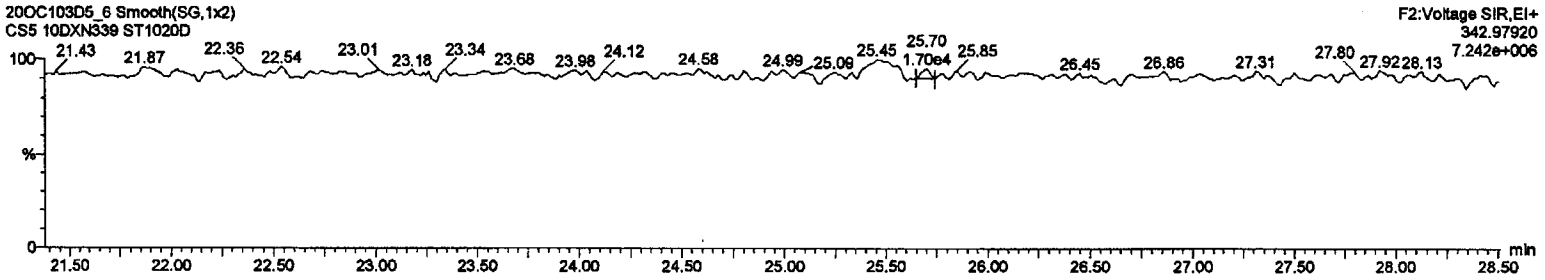
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



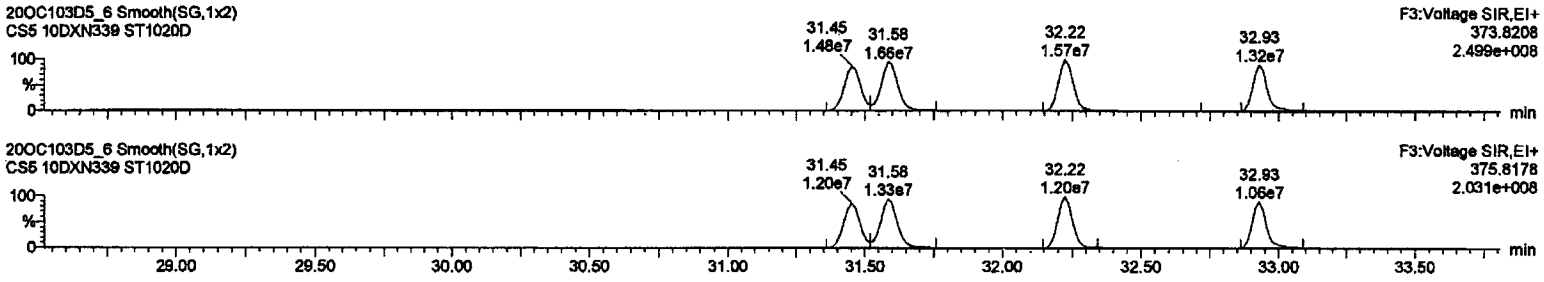
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

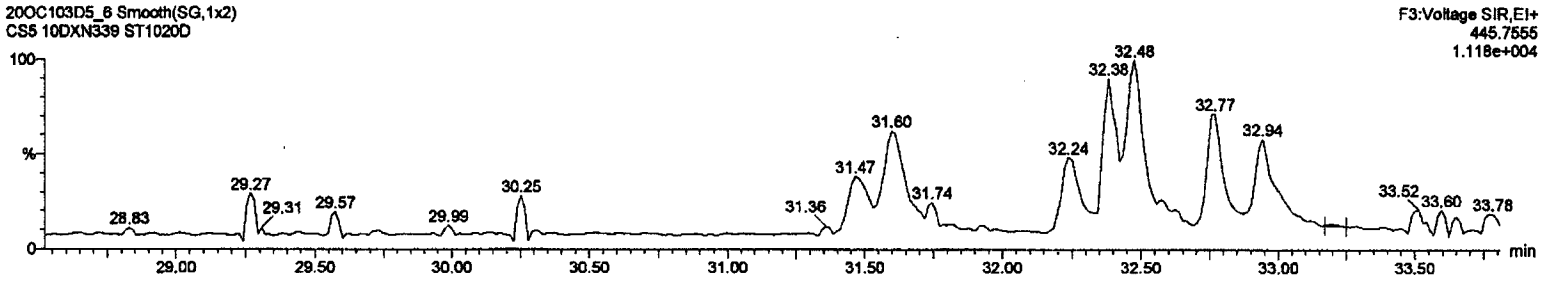
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

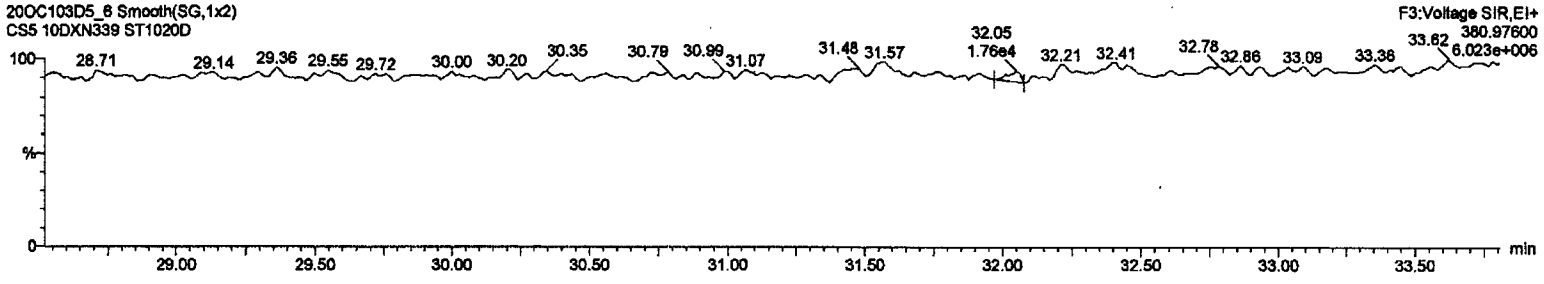
HxCDFs



HxCDF PCDPE



Function 3 PFK



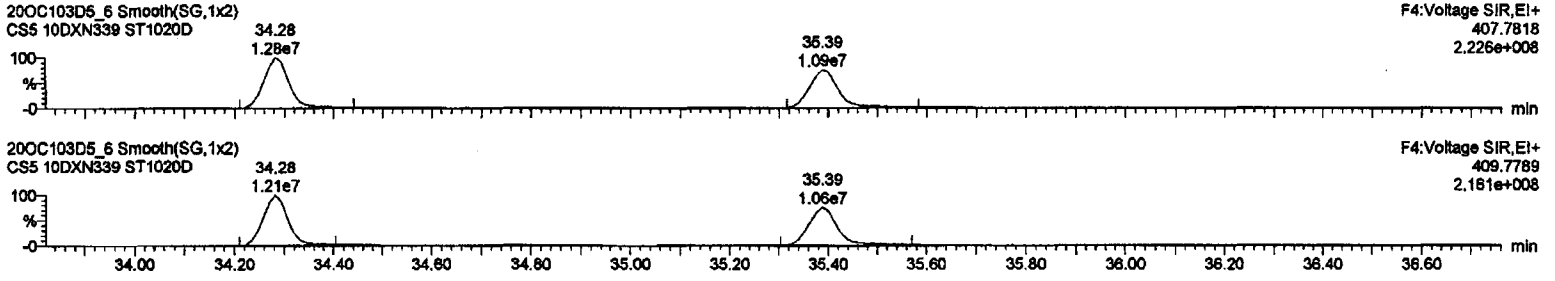
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\ICA1020103D51613.qld

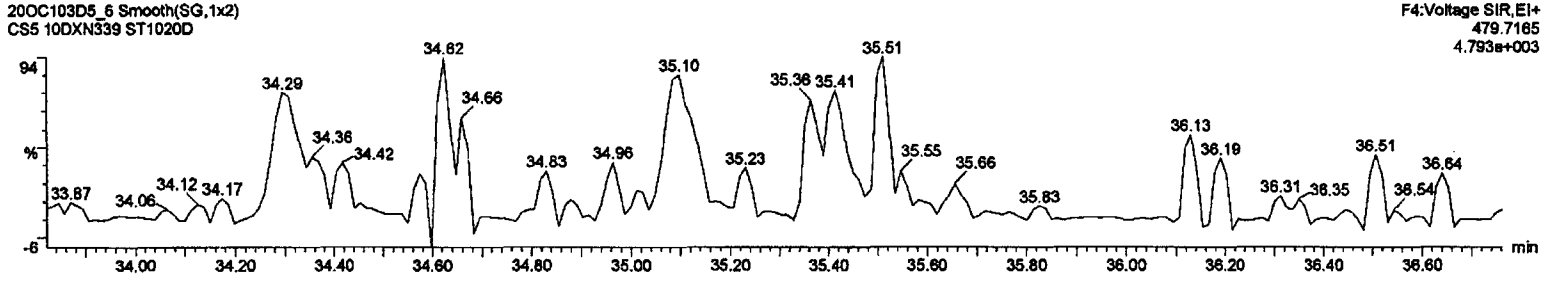
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

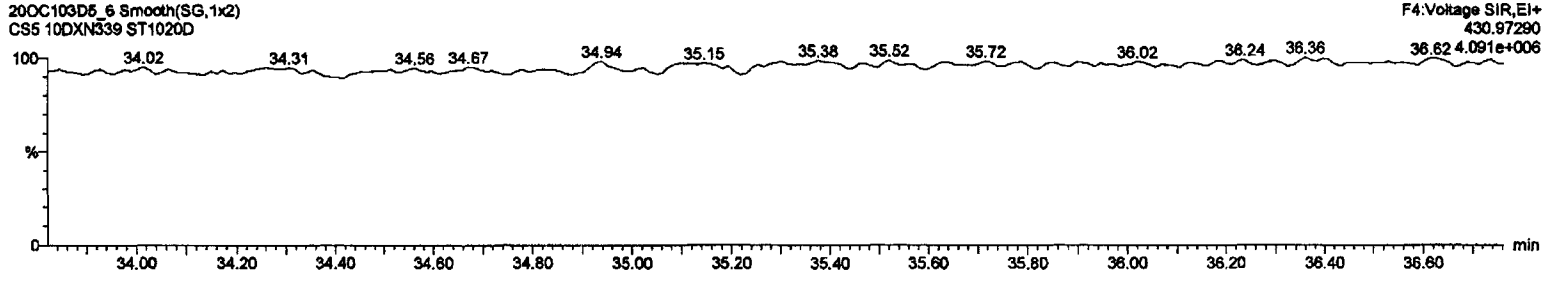
HpCDFs



HpCDF PCDPE



Function 4 PFK



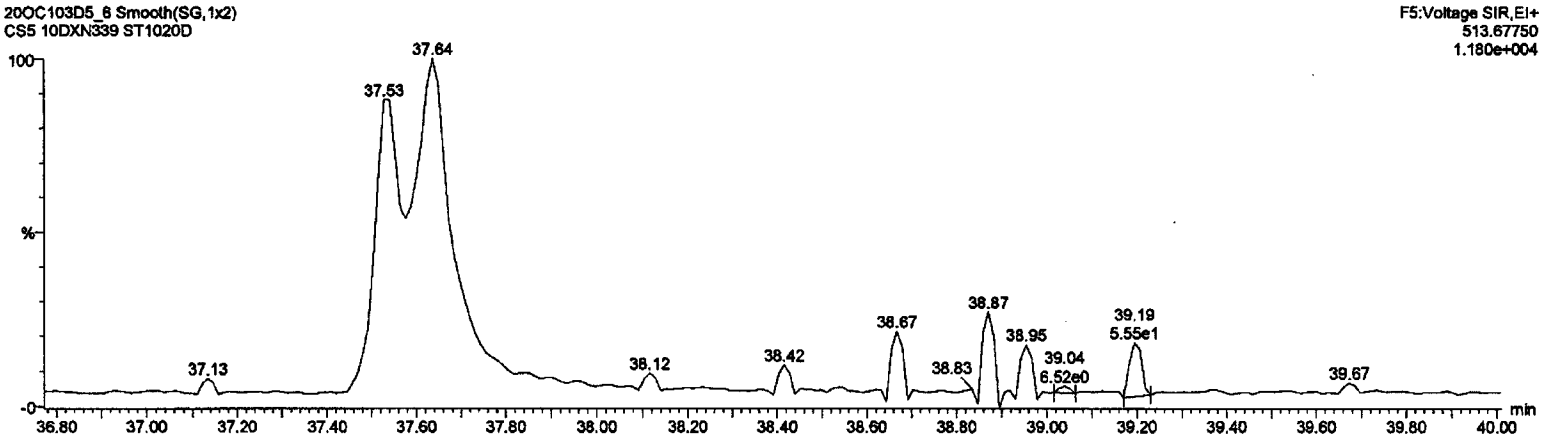
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\CA1020103D51613.qld

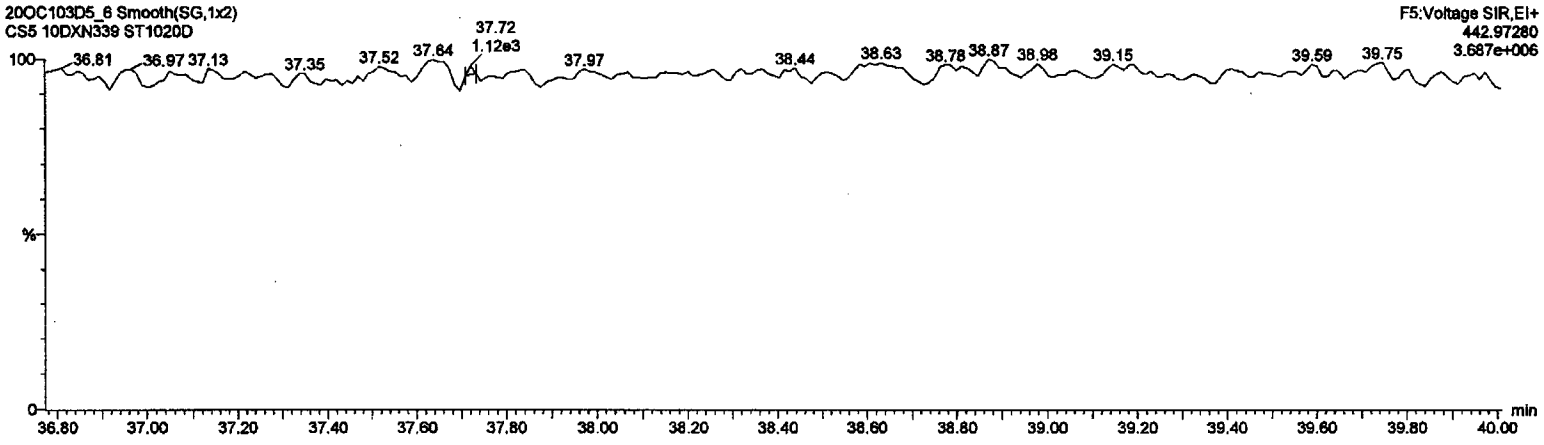
Last Altered: Wednesday, October 20, 2010 15:22:52 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:24:30 Pacific Daylight Time

Name: 20OC103D5_6, Date: 20-Oct-2010, Time: 14:38:27, ID: ST1020D, Description: CS5 10DXN339

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

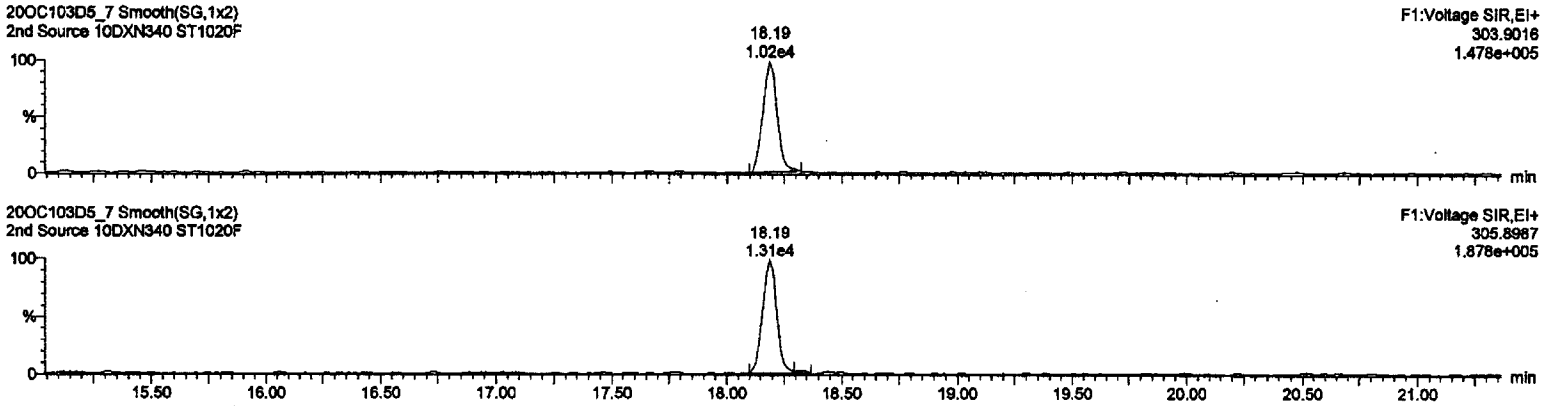
Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

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

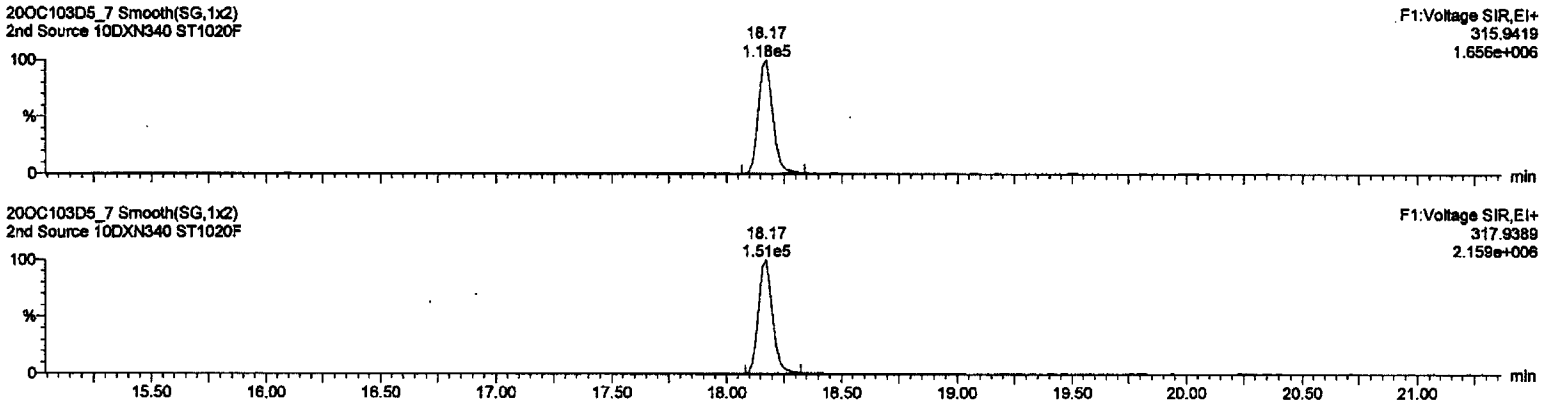
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1018103D51613.cdb 18 Oct 2010 15:49:57

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

TCDFs



13C-TCDF



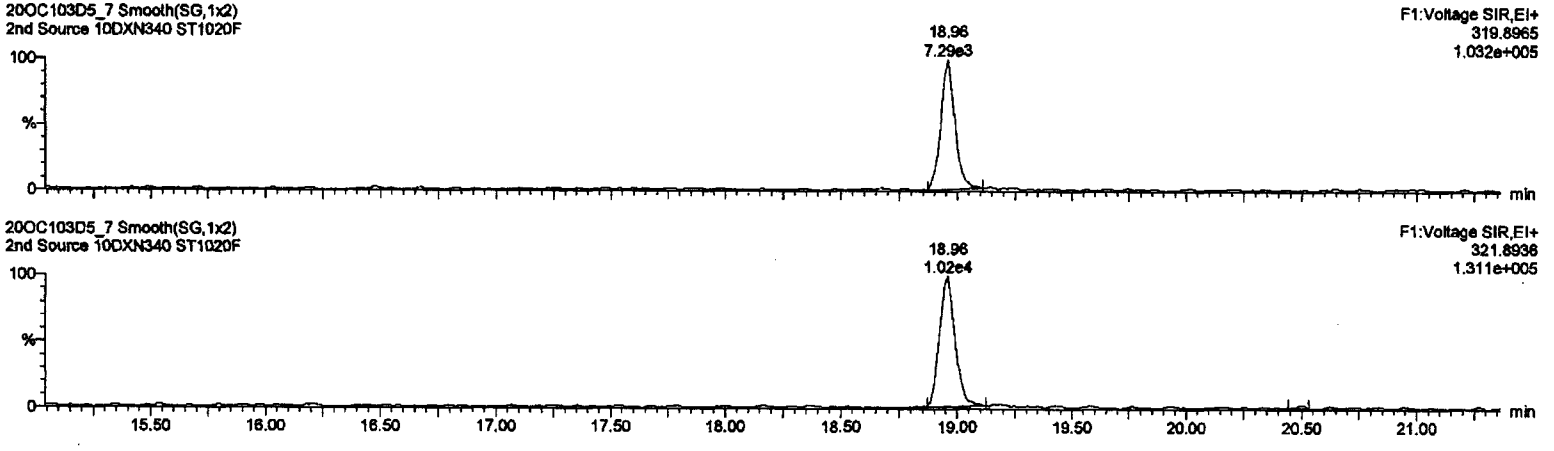
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

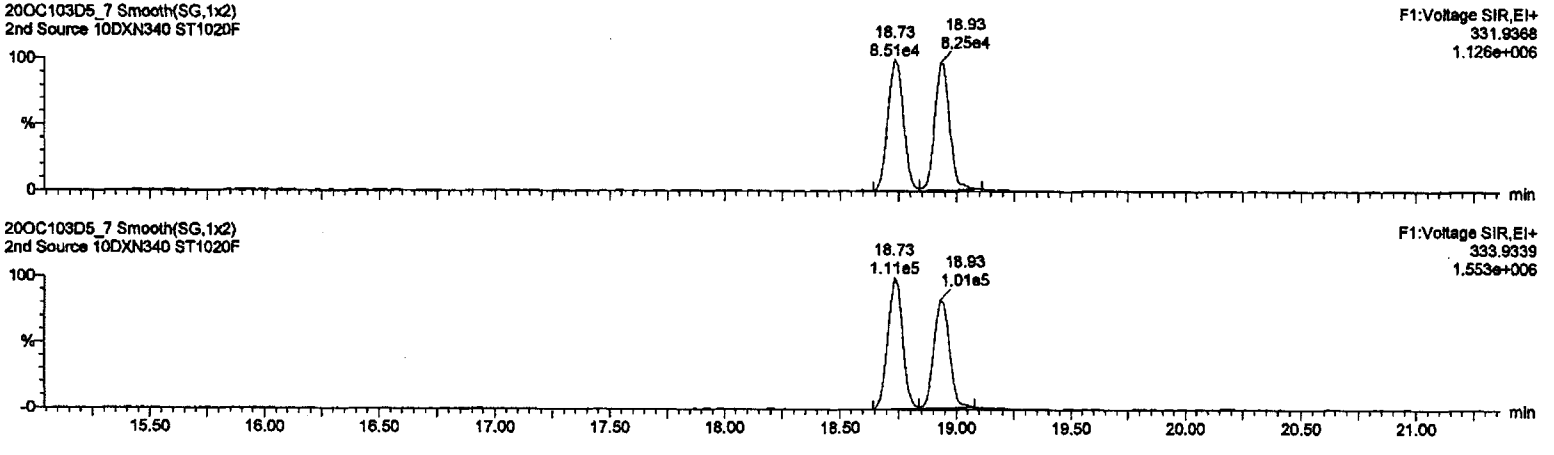
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

TCDDs



13C-TCDDs



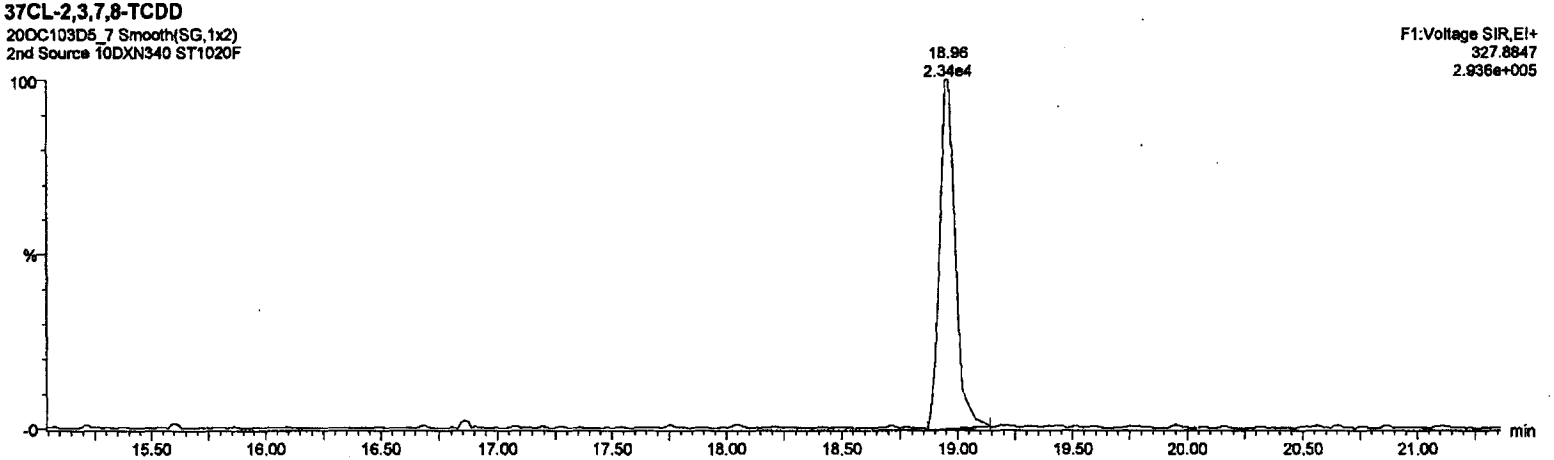
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

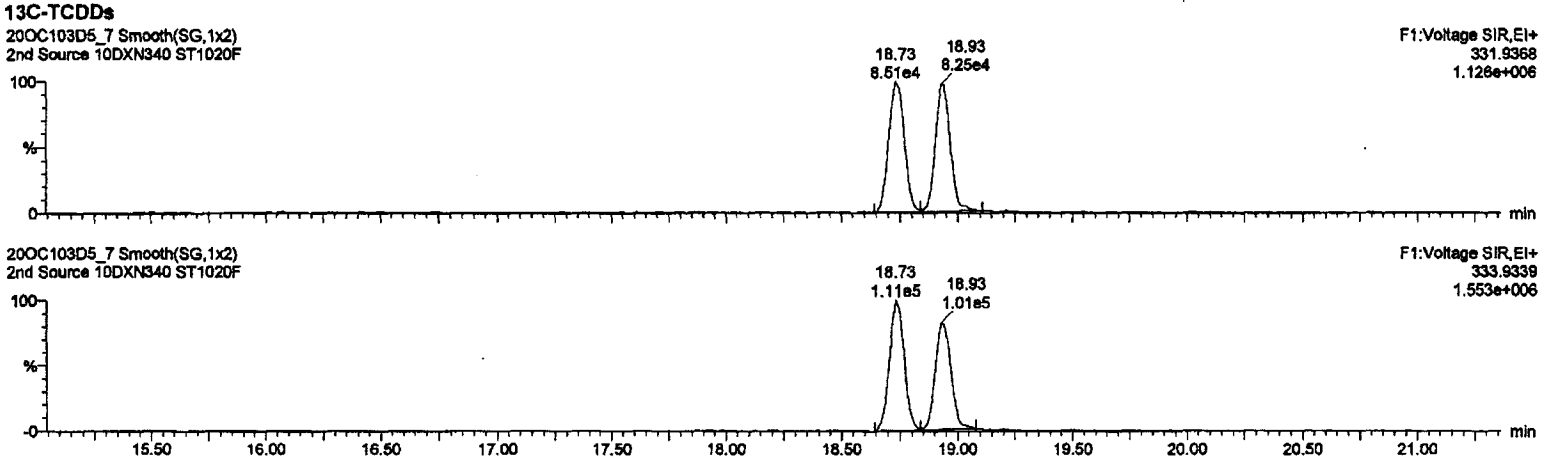
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

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



13C-TCDDs



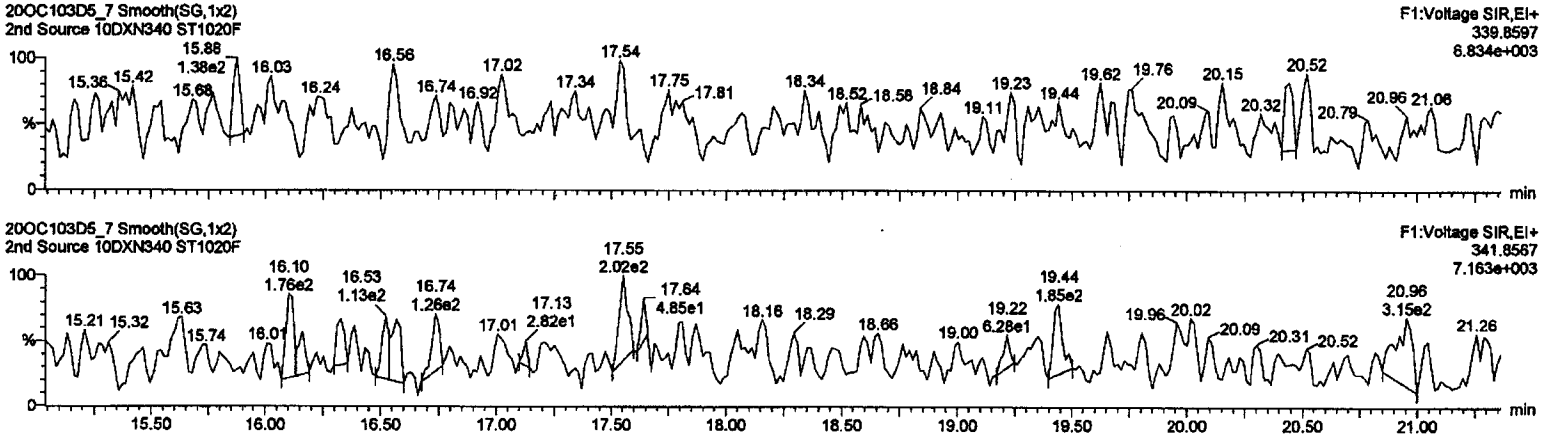
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

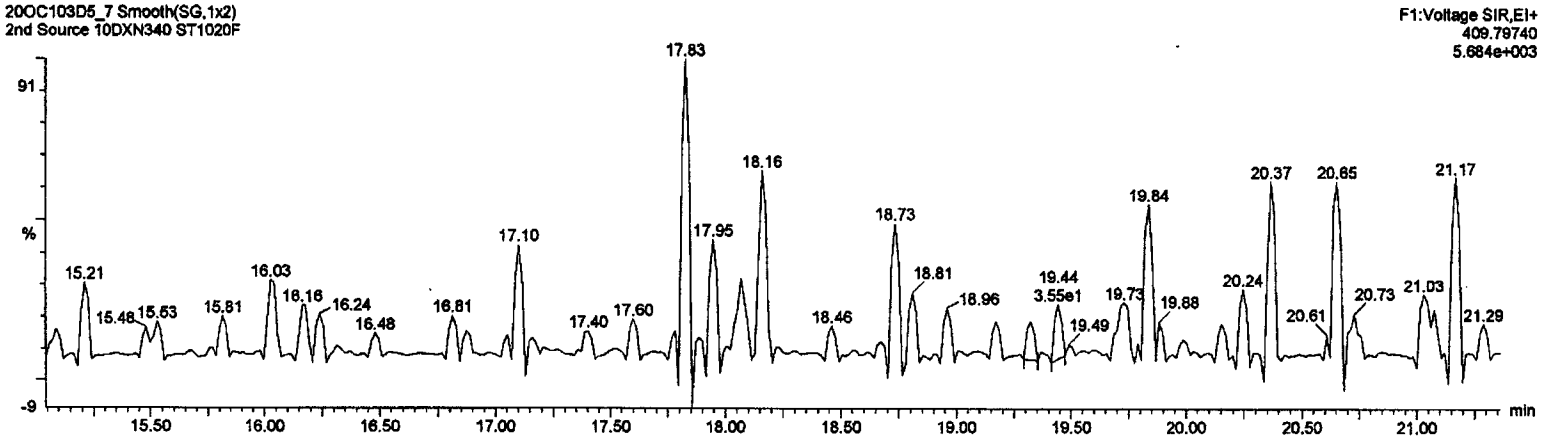
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

F1 PeCDFs



F1 PeCDF PCDPE



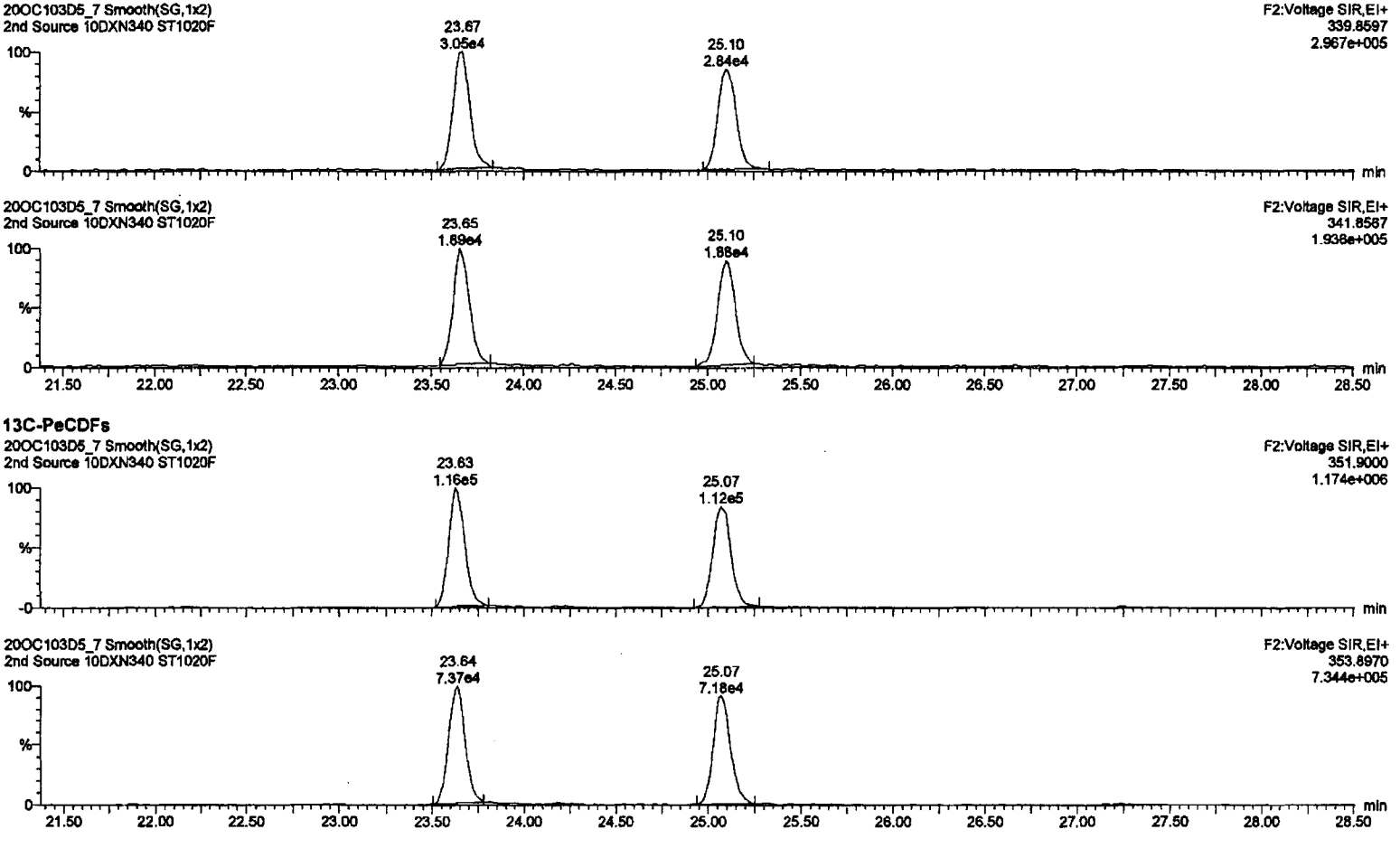
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.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: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

PeCDFs



13C-PeCDFs

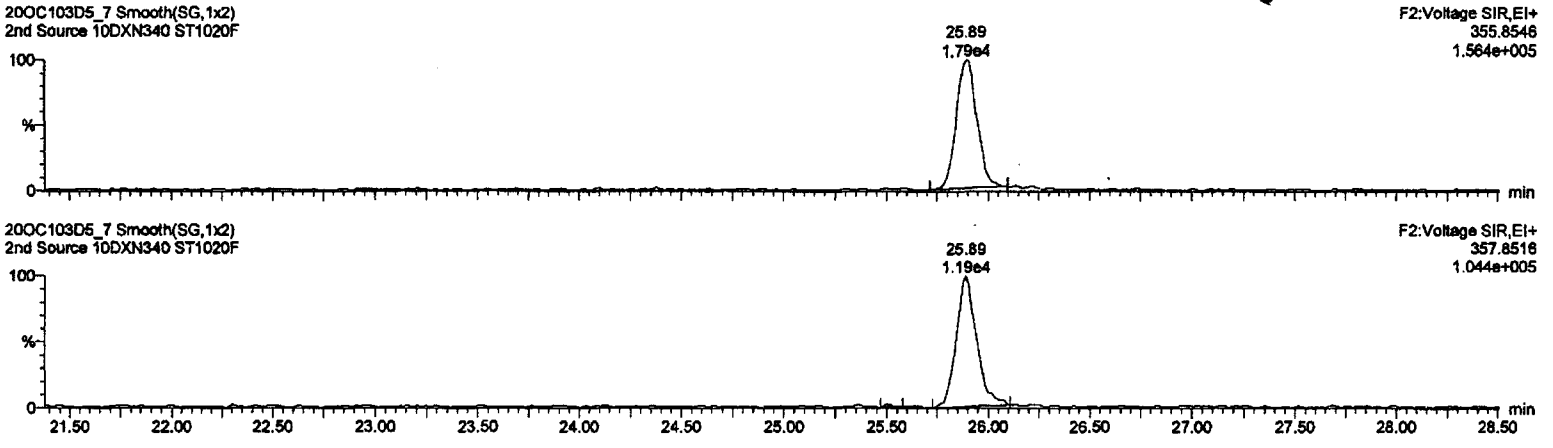
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

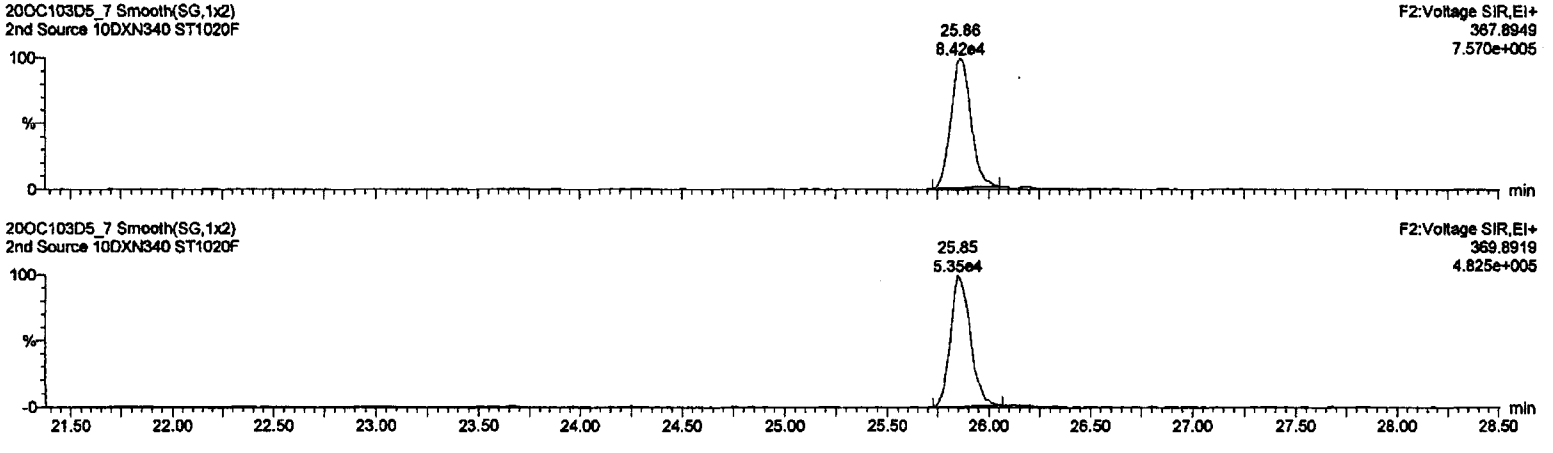
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

PeCDDs



13C-PeCDD



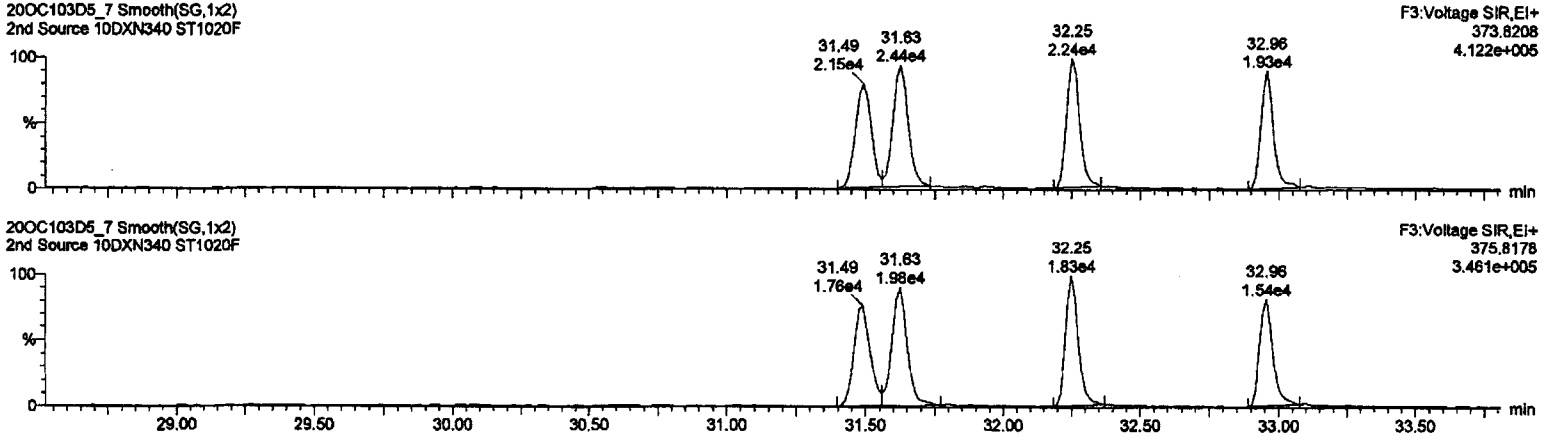
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

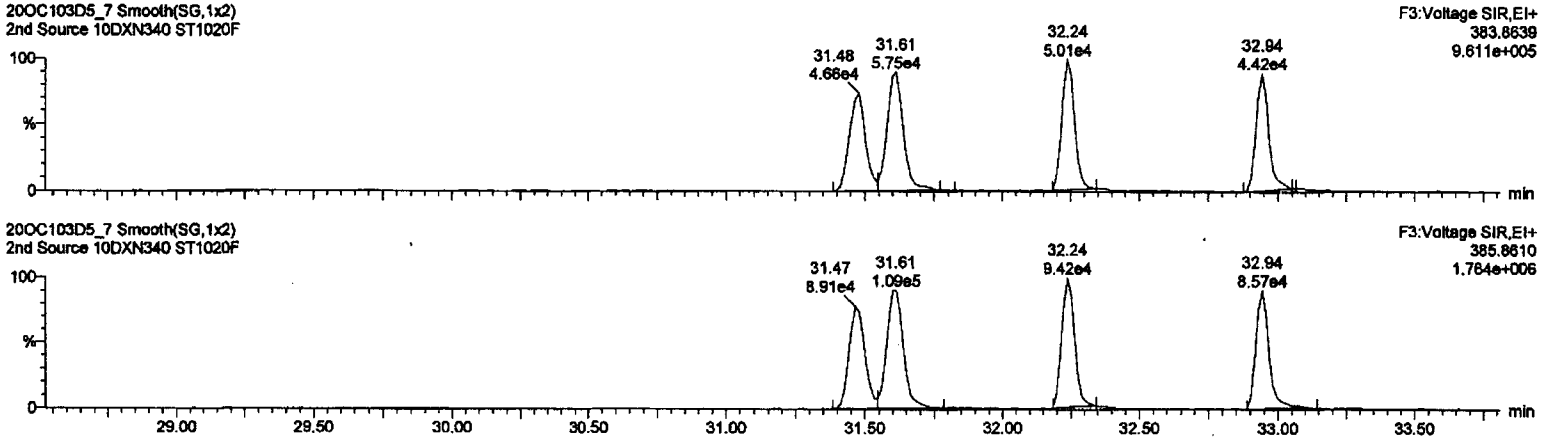
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

HxCDFs



13C-HxCDFs



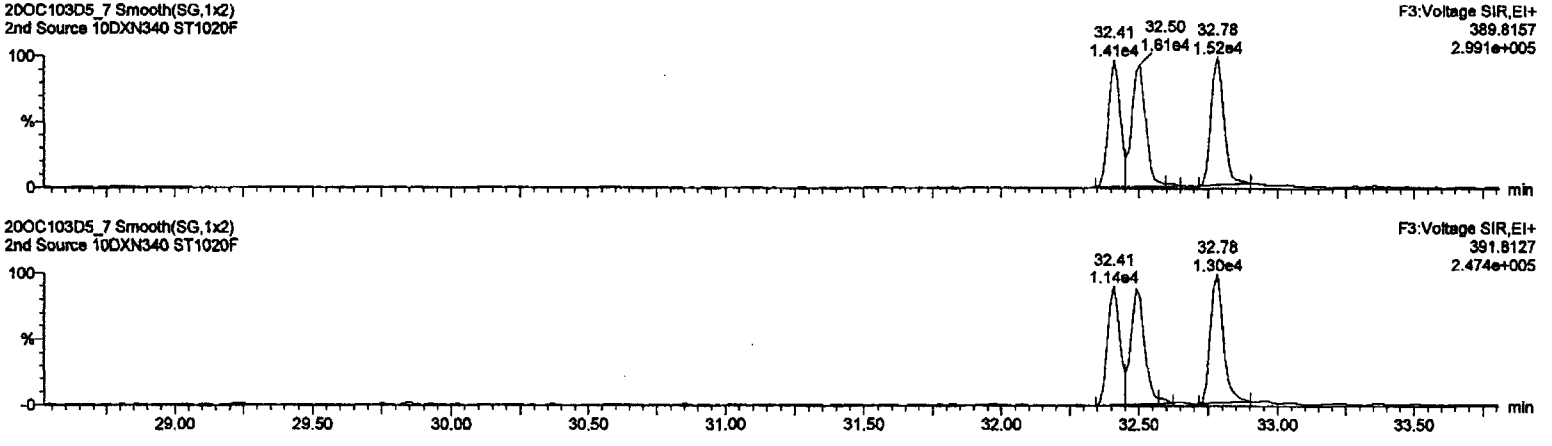
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

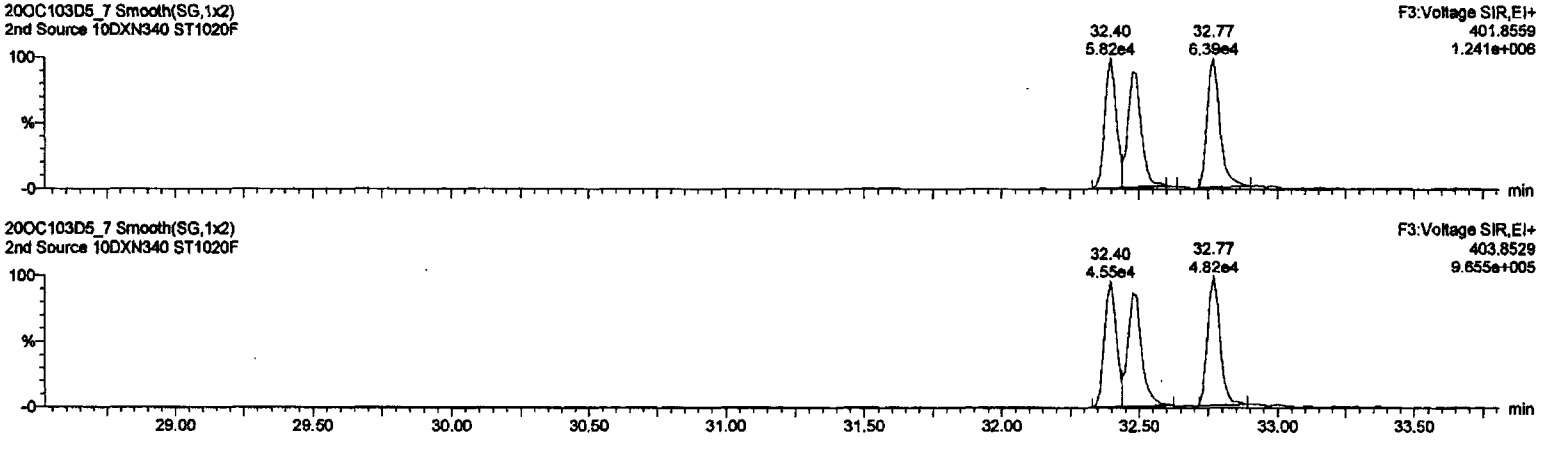
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

HxCDDs



13C-HxCDDs



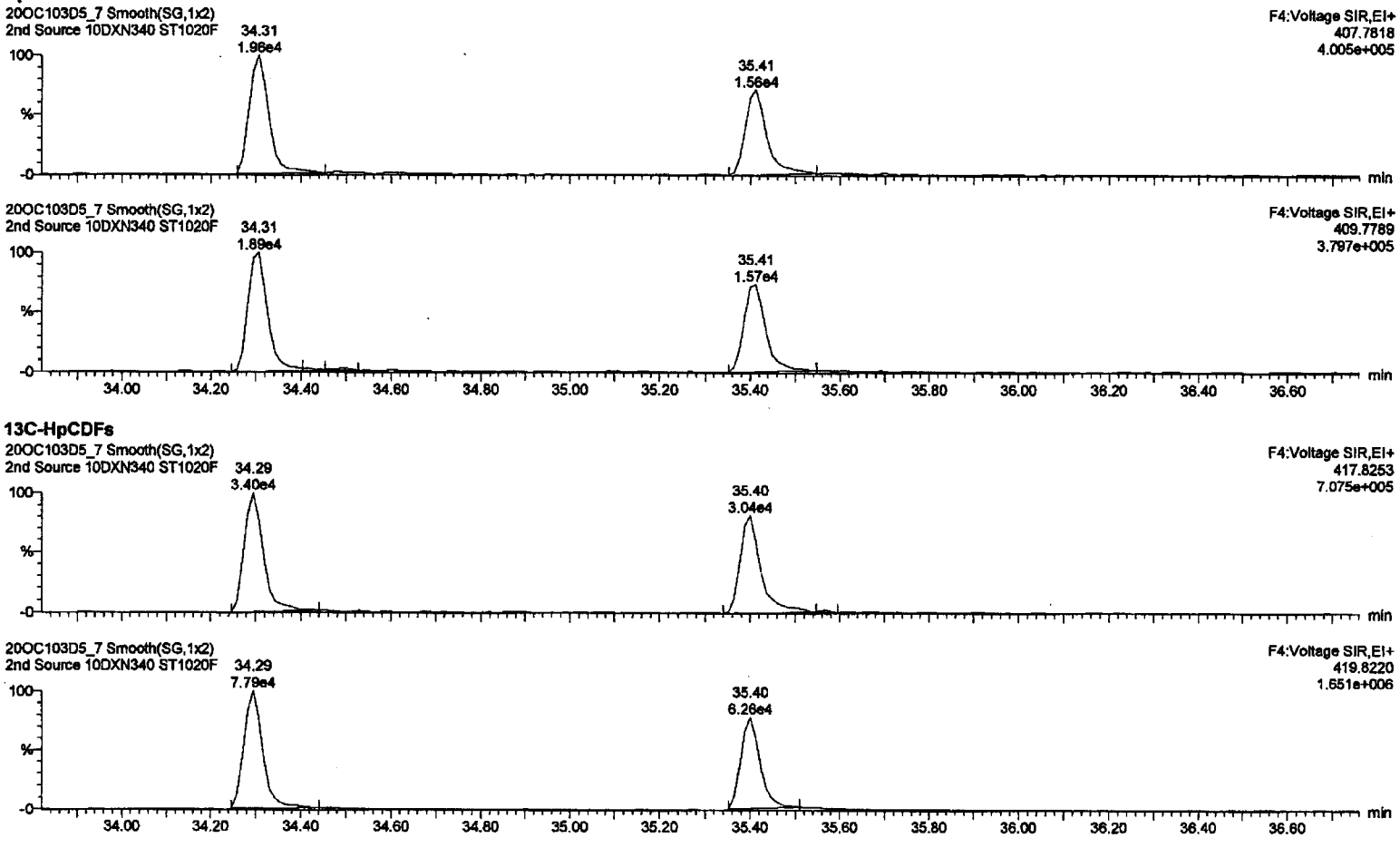
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.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: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

HpCDFs



13C-HpCDFs

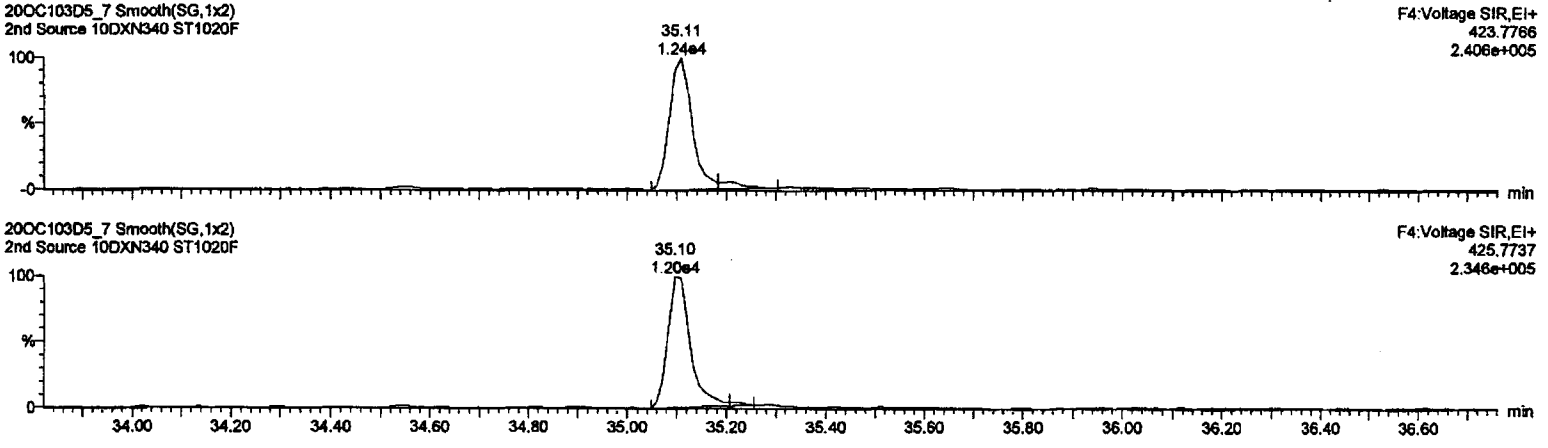
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

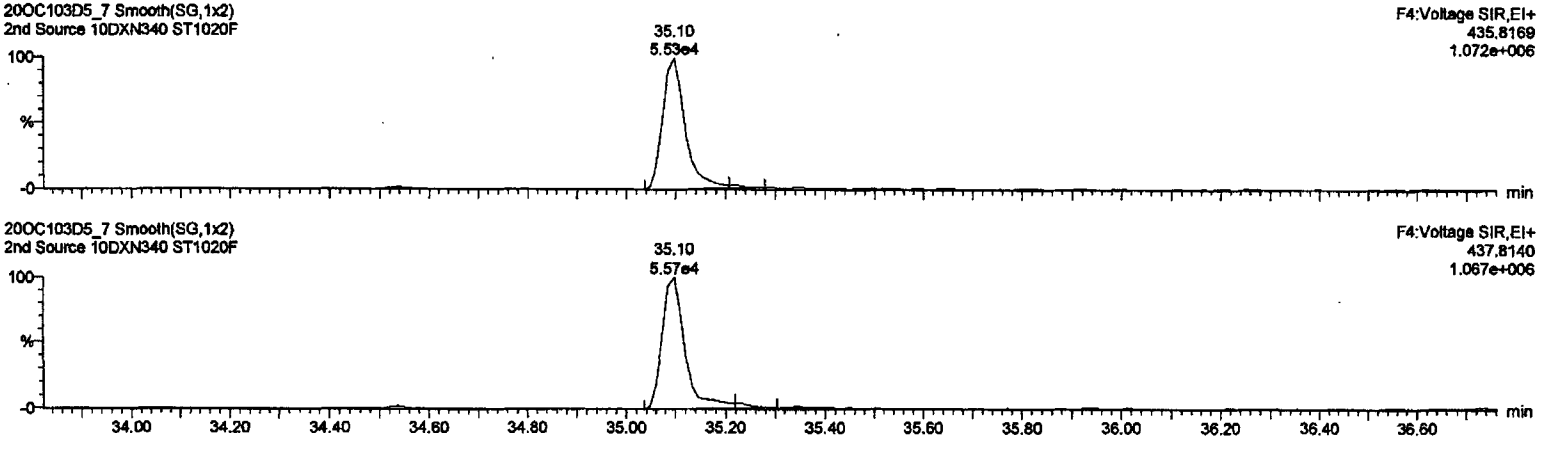
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

HpCDDs



13C-HpCDD



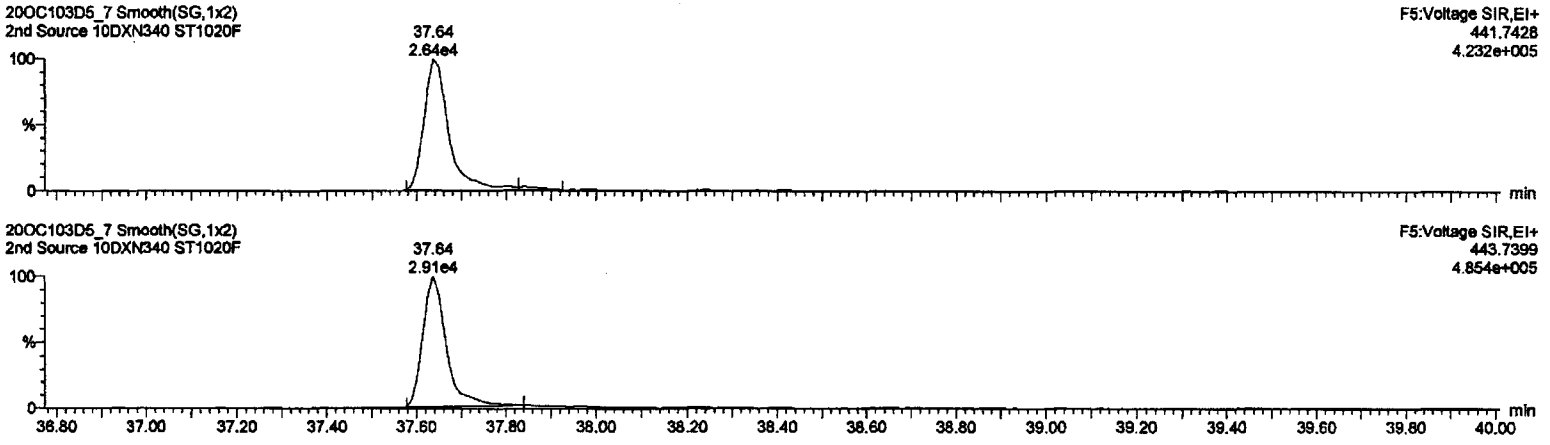
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

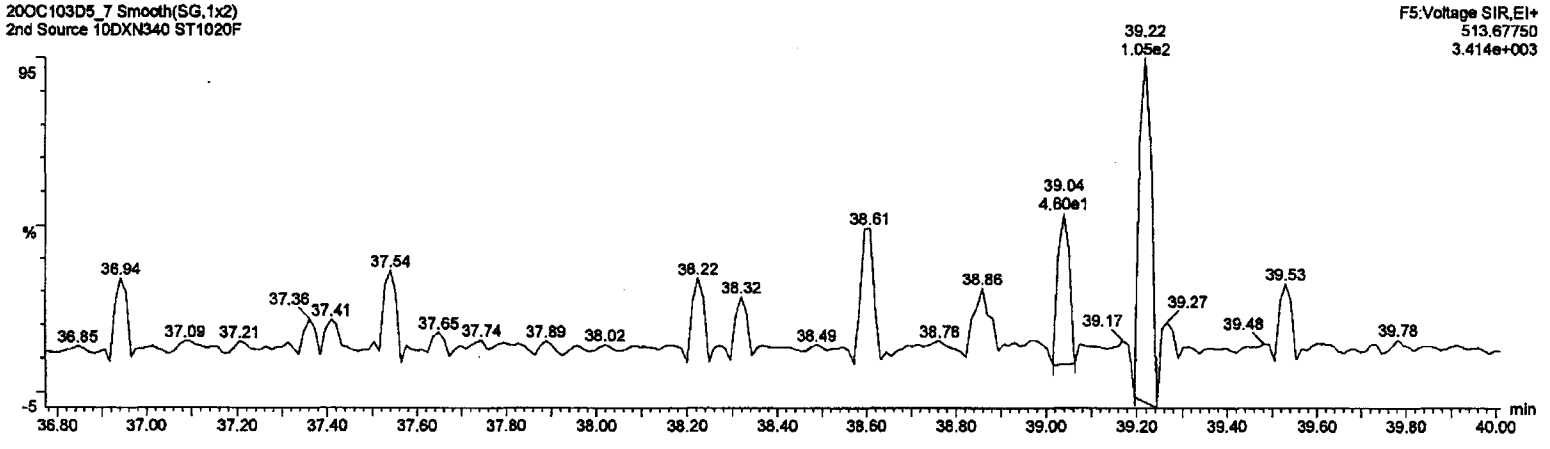
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

OCDFs



OCDF PCDPE



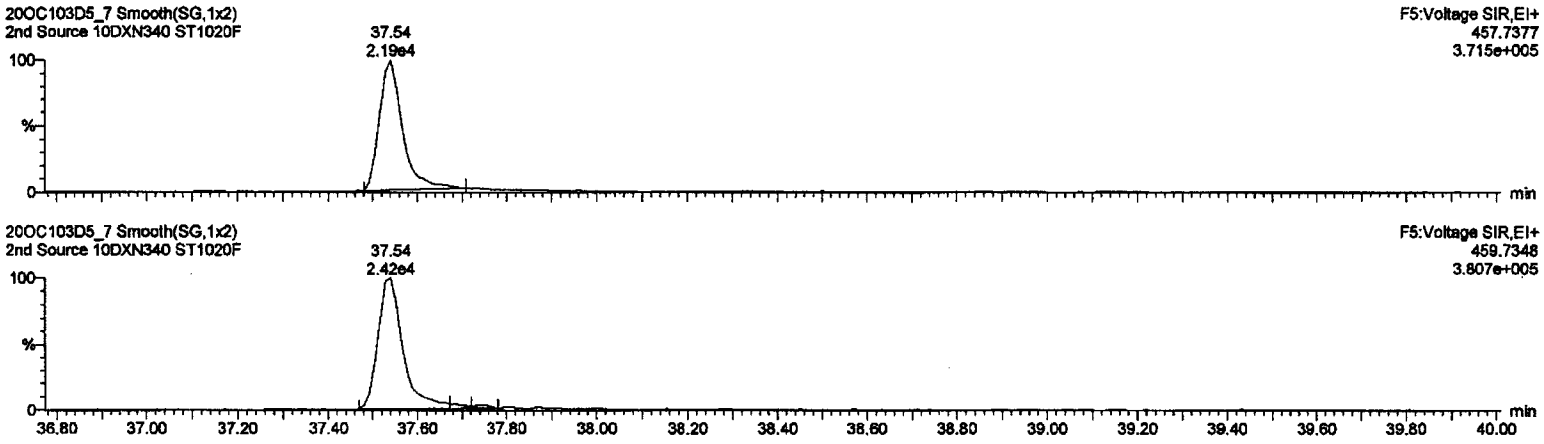
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

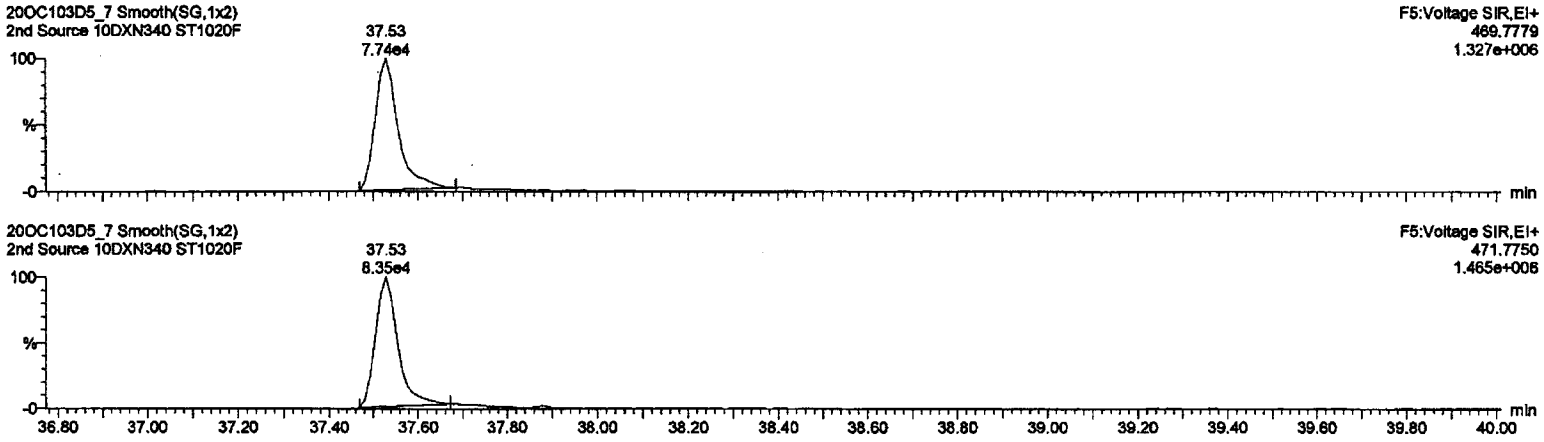
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

OCDD



13C-OCDD



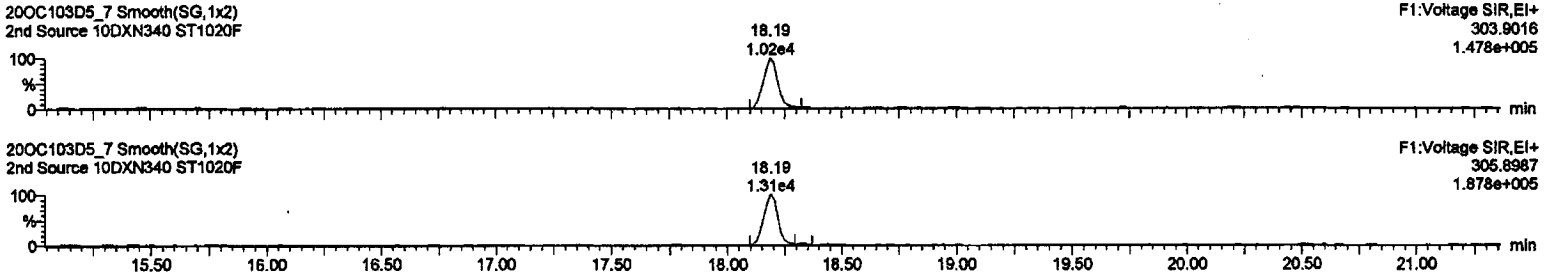
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

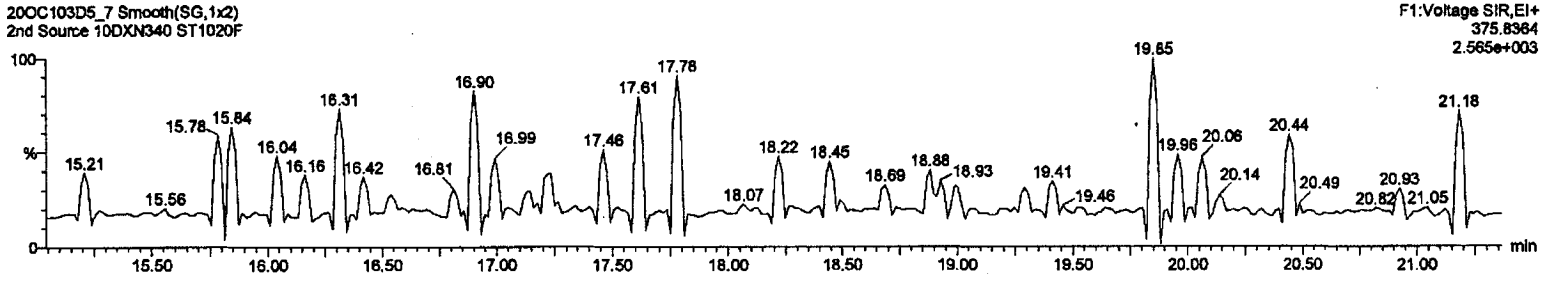
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

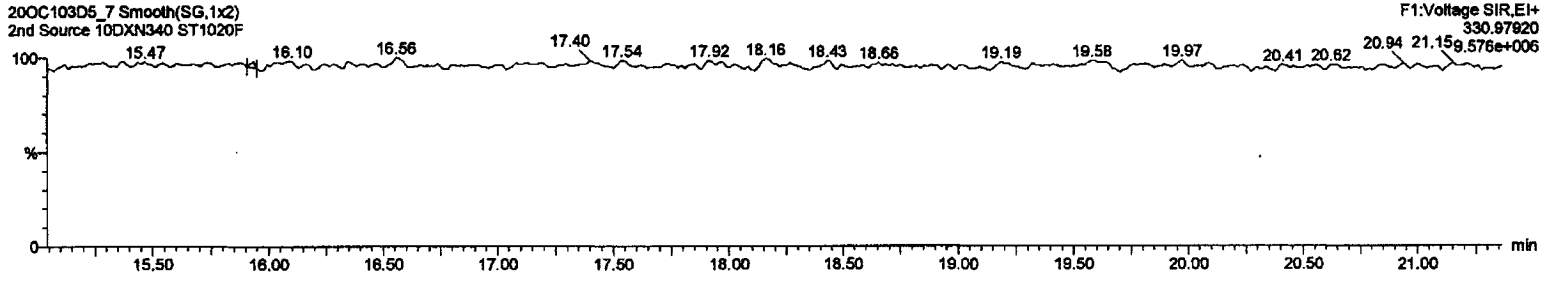
TCDFs



TCDF PCDPE



Function 1 PFK



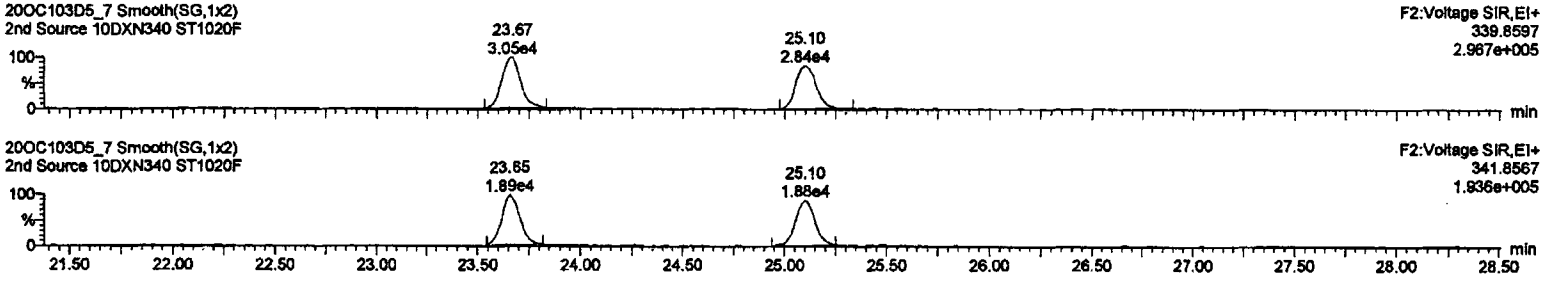
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

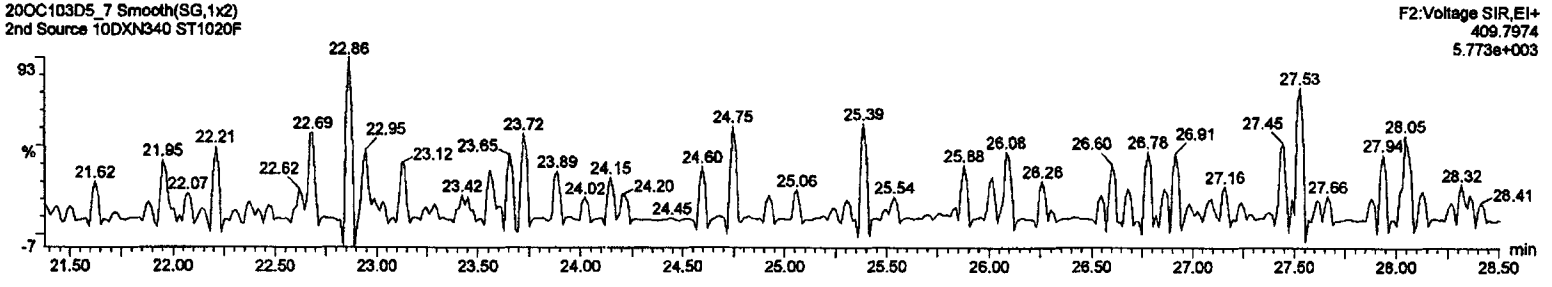
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

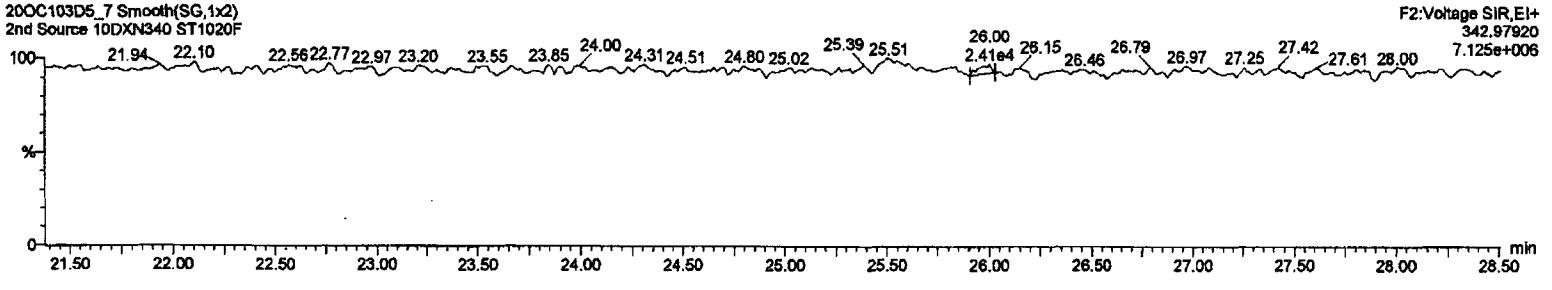
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



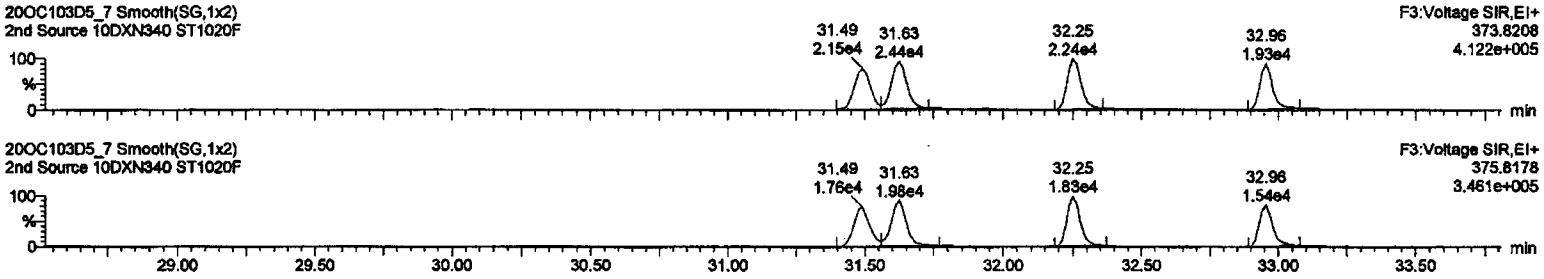
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

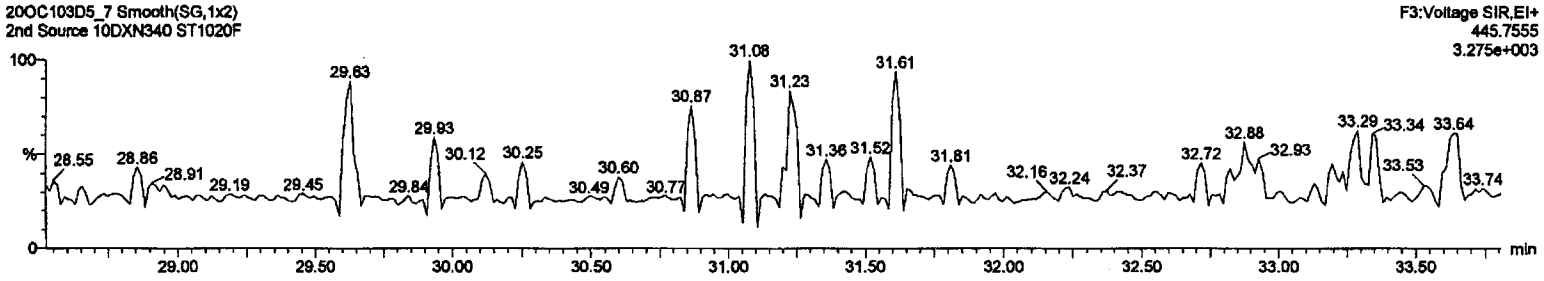
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

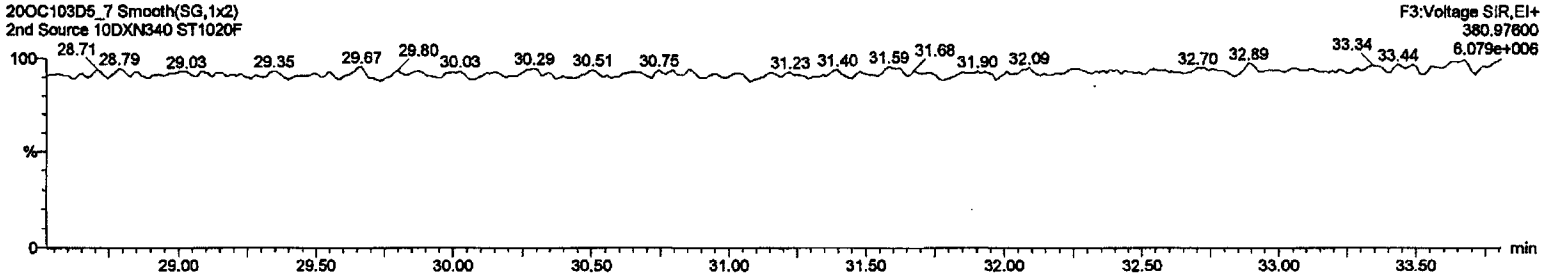
HxCDFs



HxCDF PCDPE



Function 3 PFK



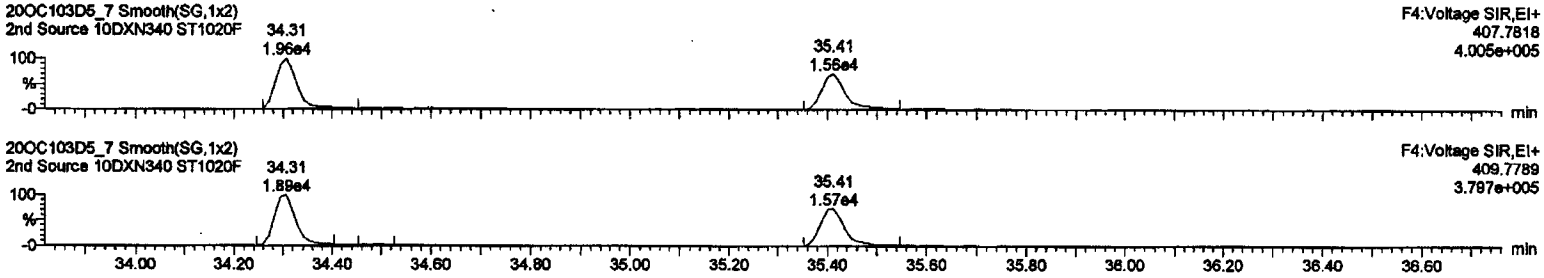
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

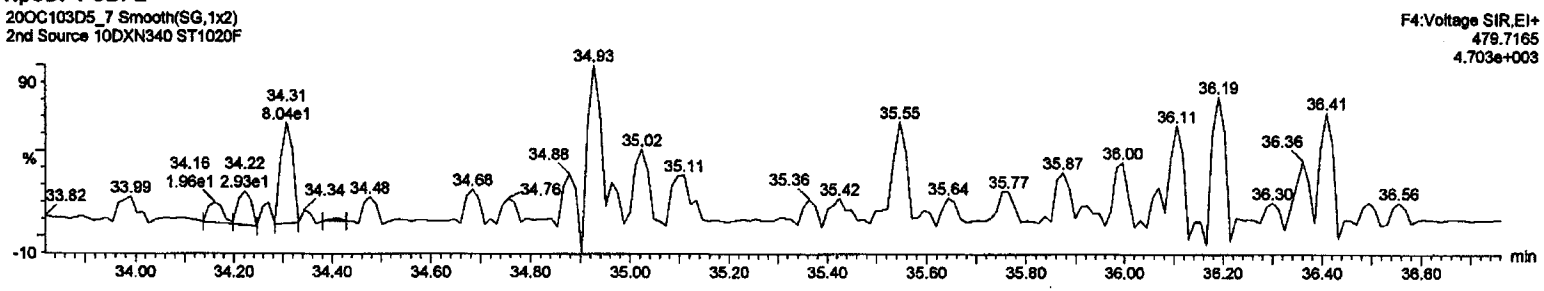
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

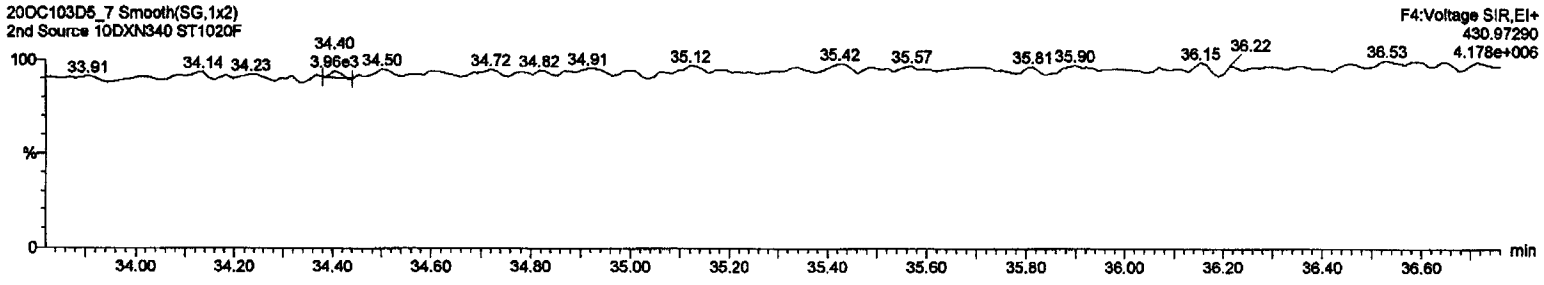
HpCDFs



HpCDF PCDPE



Function 4 PFK



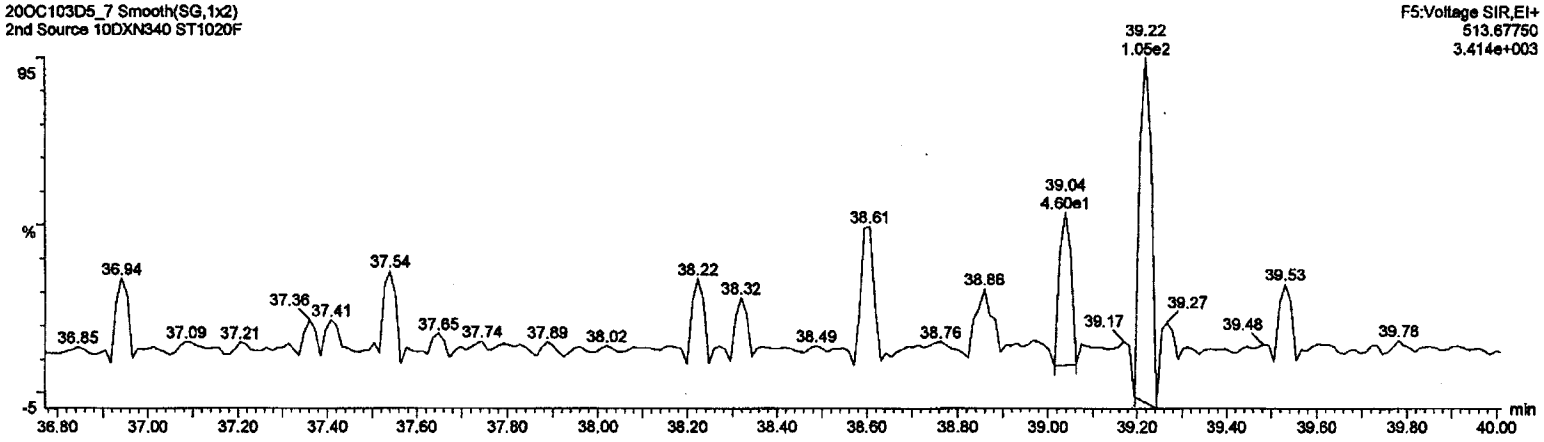
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5SECONDSOURCE.qld

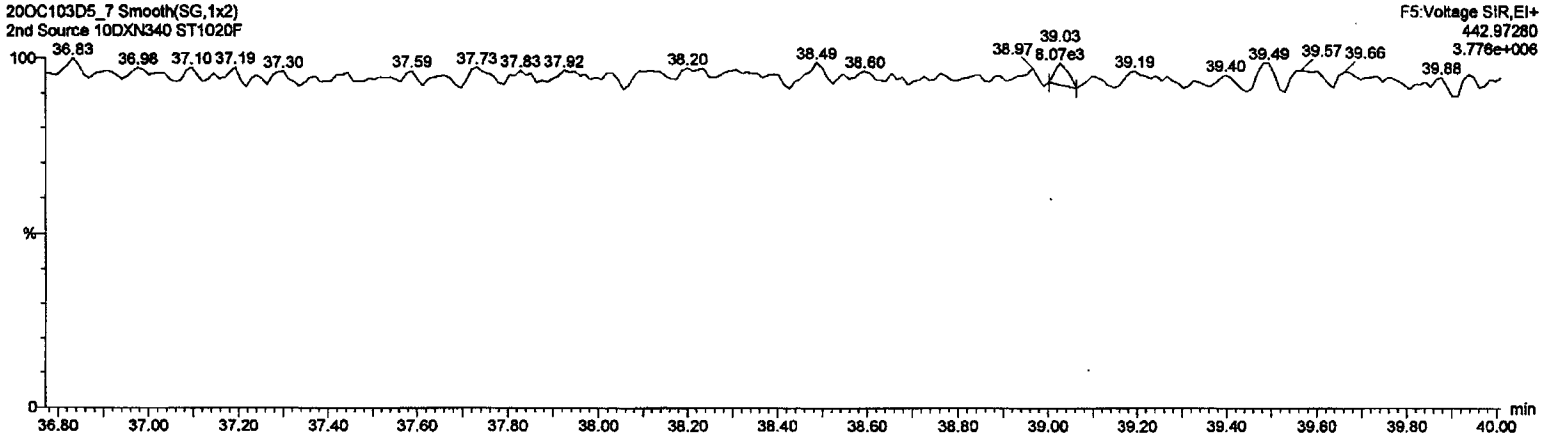
Last Altered: Wednesday, October 20, 2010 4:18:00 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 4:20:15 PM Pacific Daylight Time

Name: 20OC103D5_7, Date: 20-Oct-2010, Time: 15:27:17, ID: ST1020F, Description: 2nd Source 10DXN340

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

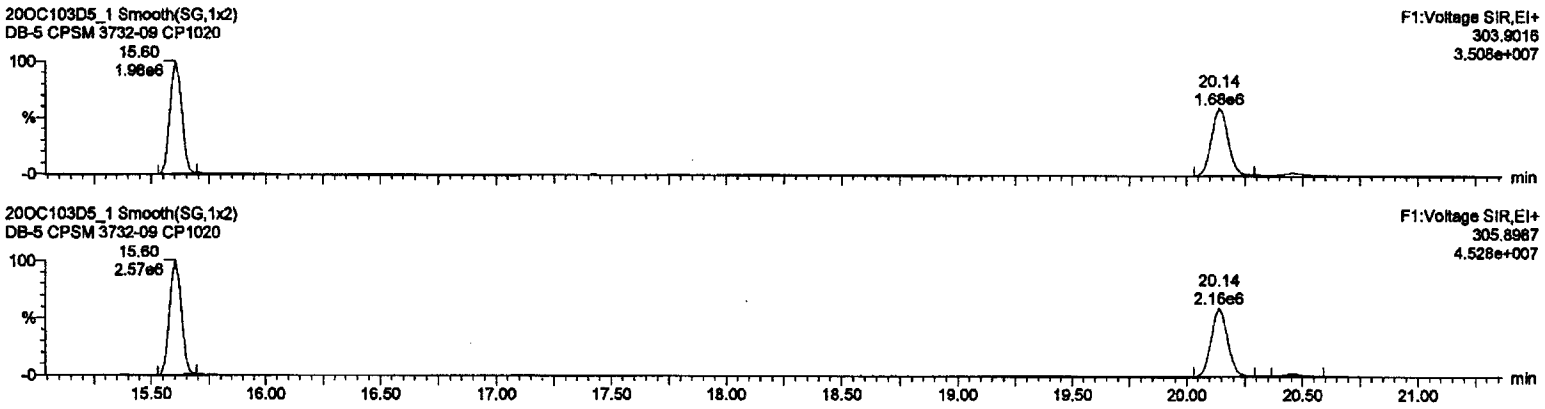
Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

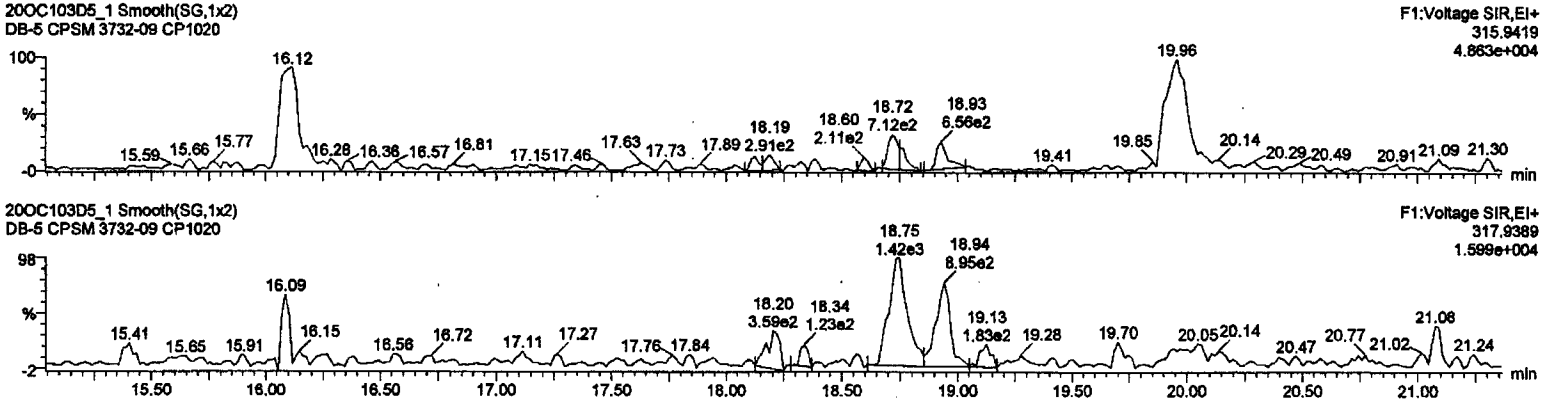
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1018103D51613.cdb 18 Oct 2010 15:49:57

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

TCDFs



13C-TCDF



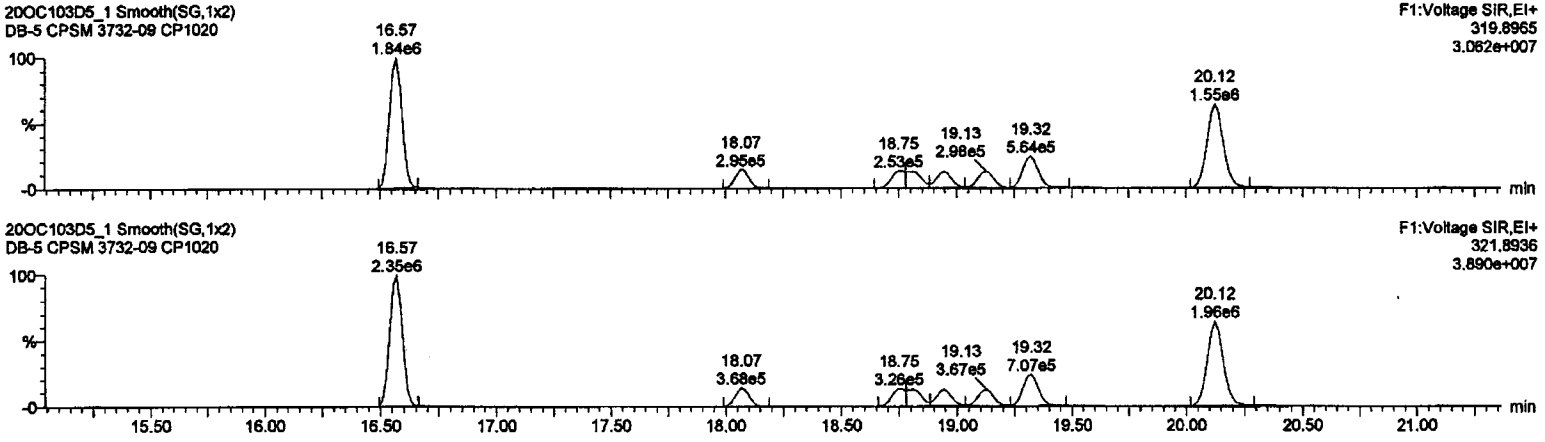
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

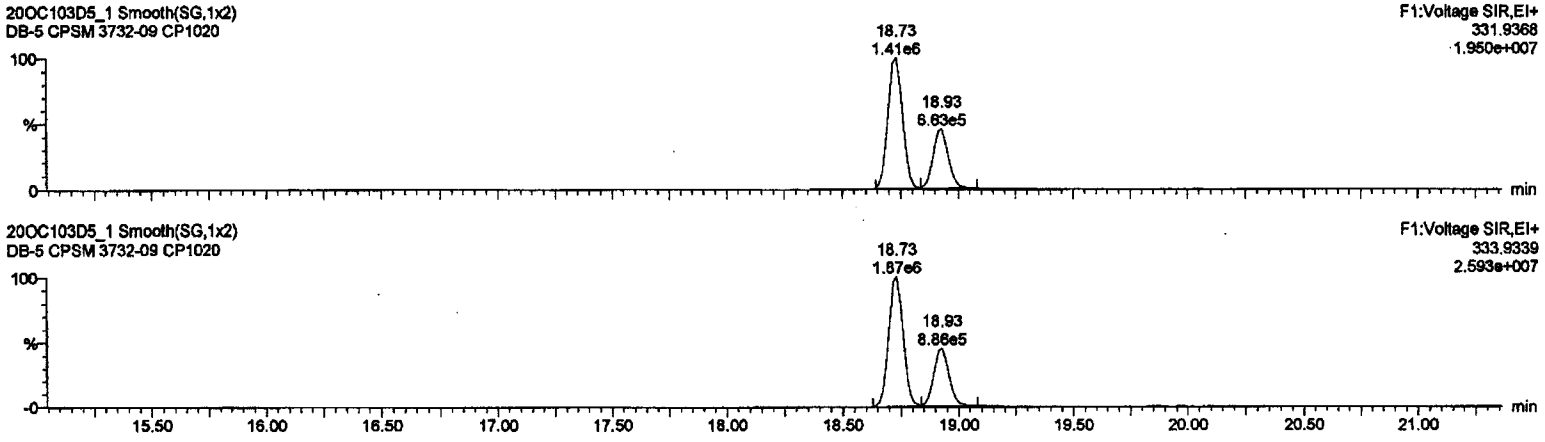
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

TCDDs



13C-TCDDs



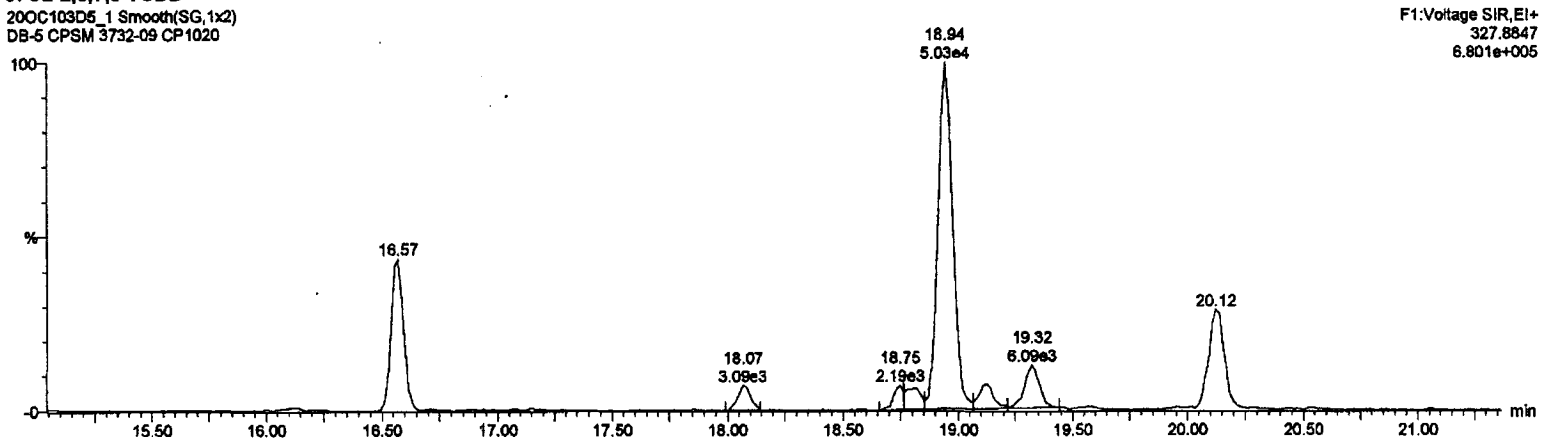
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

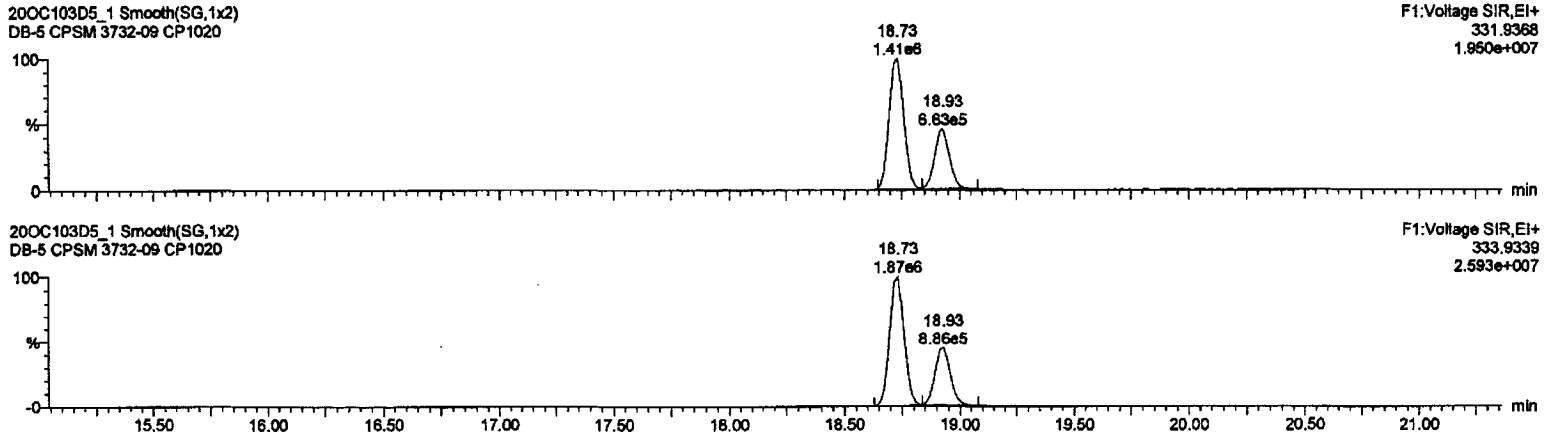
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

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



13C-TCDDs



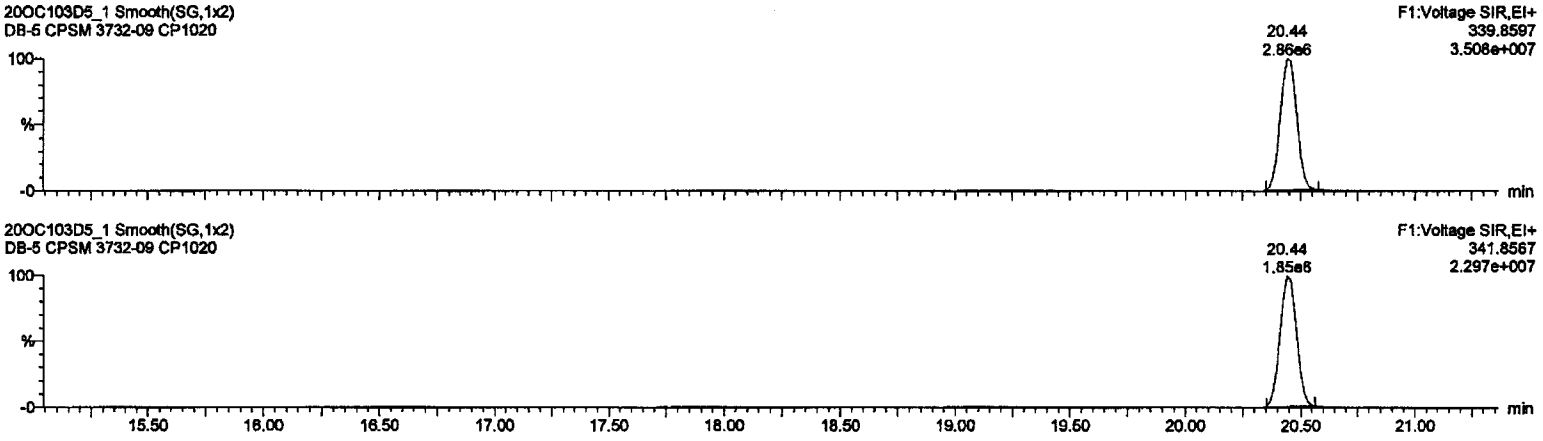
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

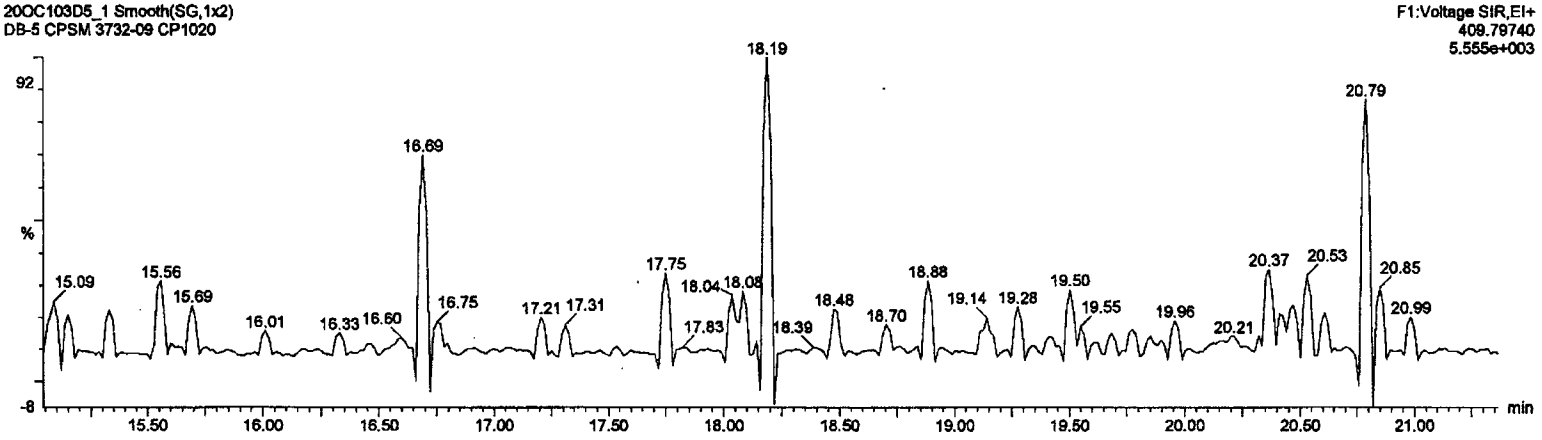
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

F1 PeCDFs



F1 PeCDF PCDPE



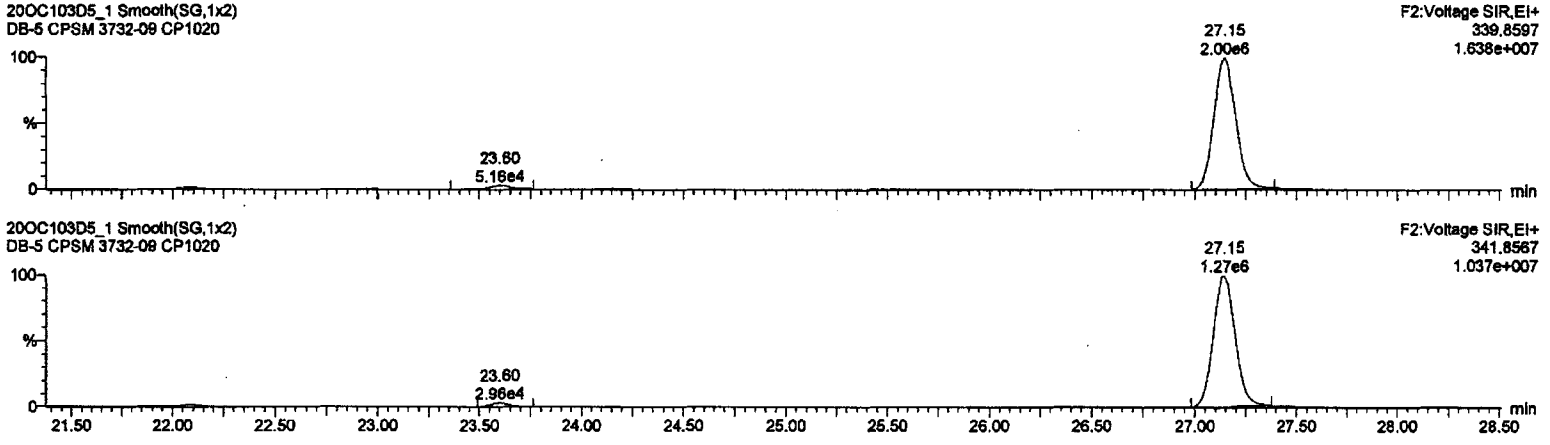
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

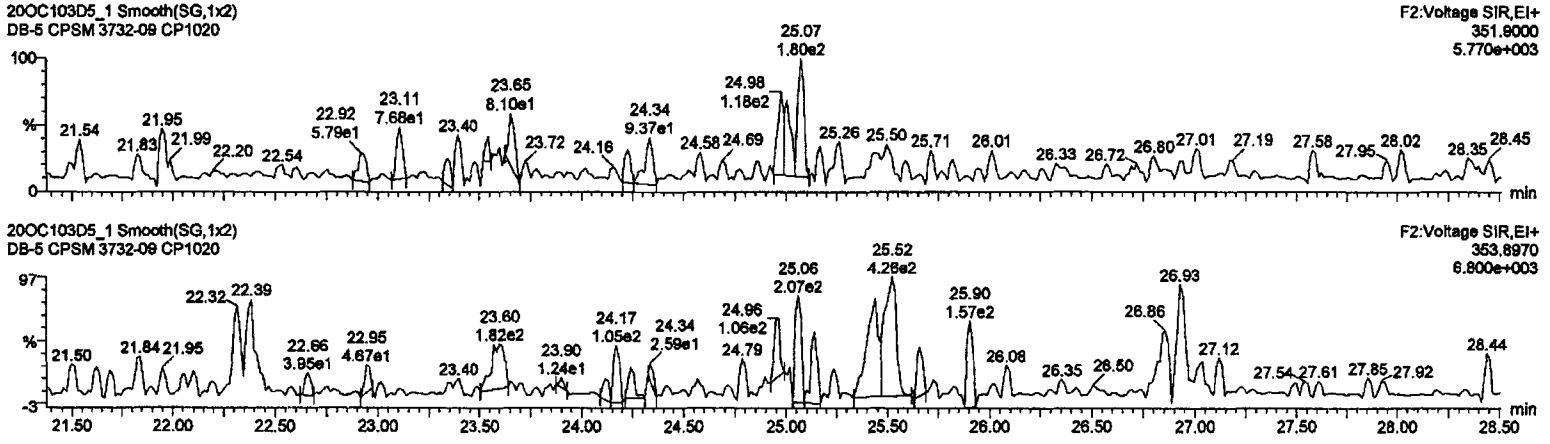
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

PeCDFs



13C-PeCDFs



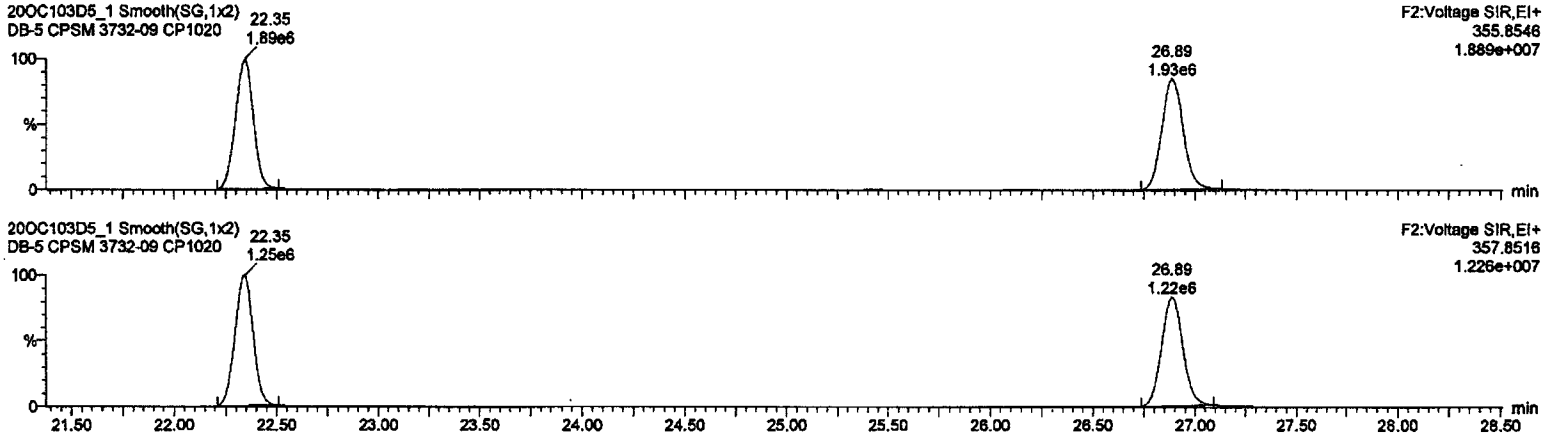
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

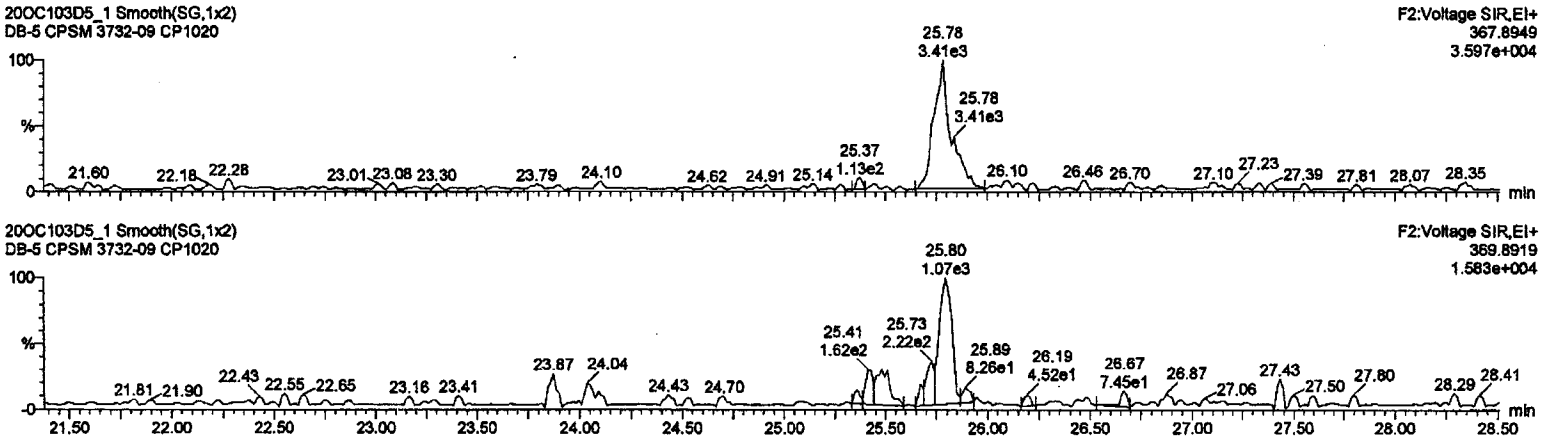
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

PeCDDs



13C-PeCDD



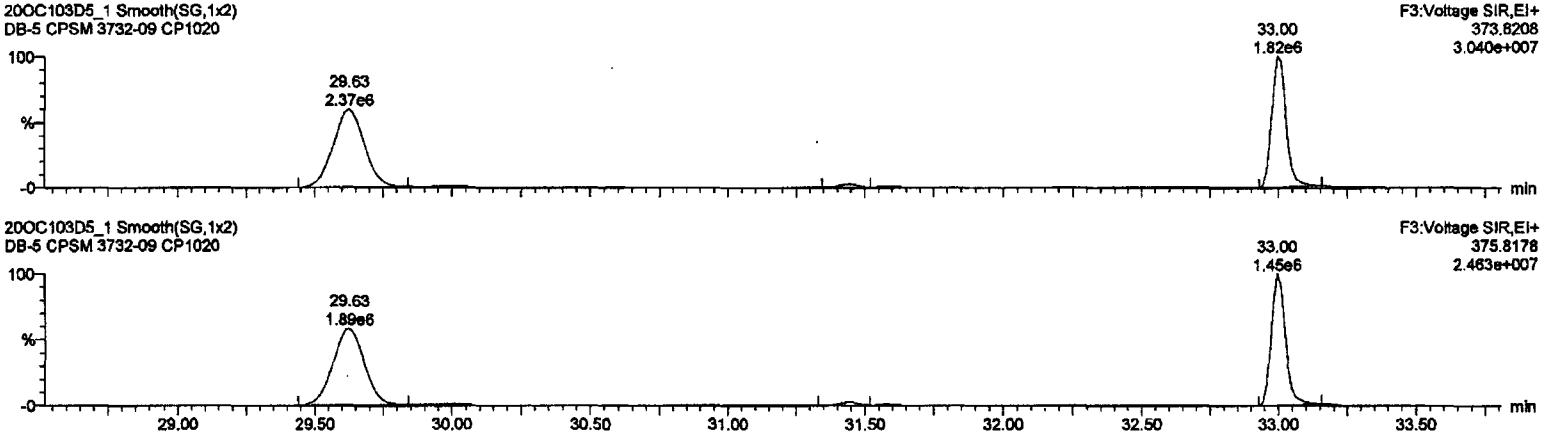
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

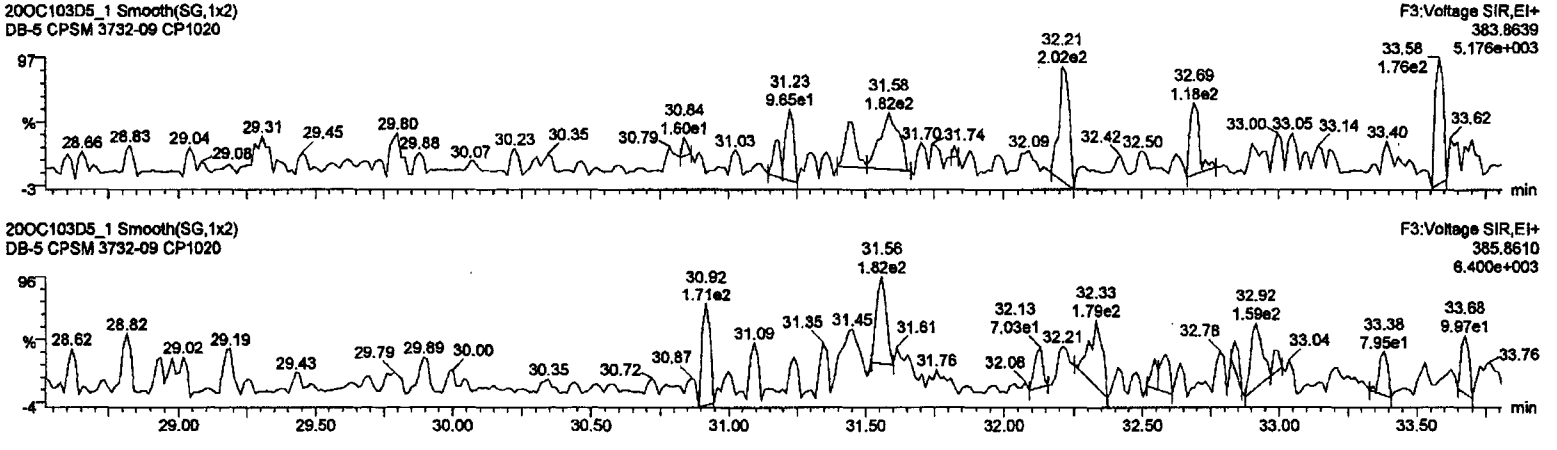
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HxCDFs



13C-HxCDFs



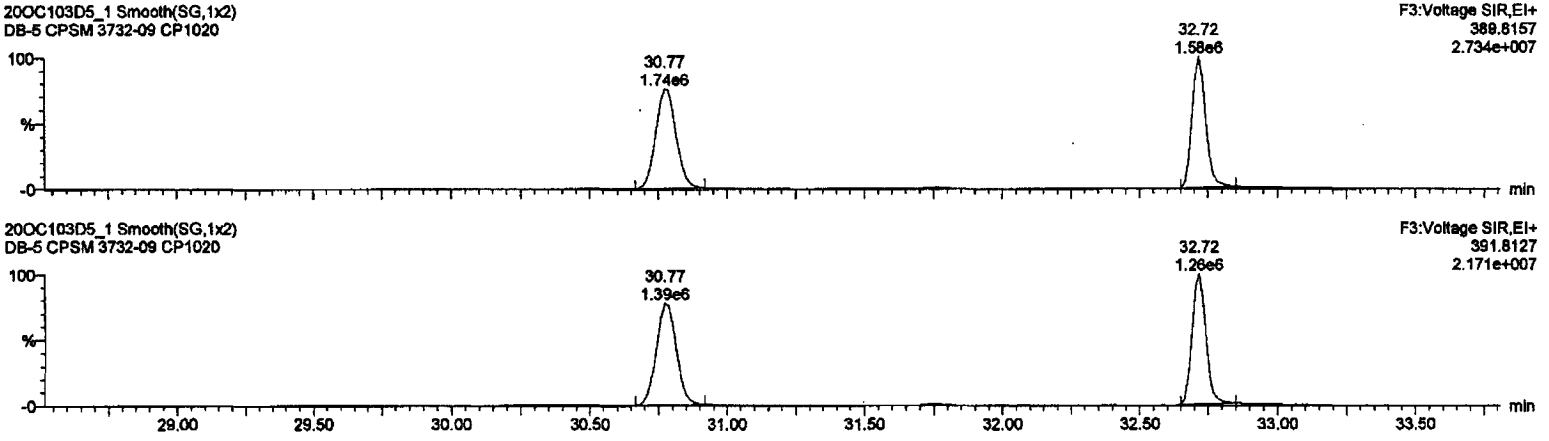
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

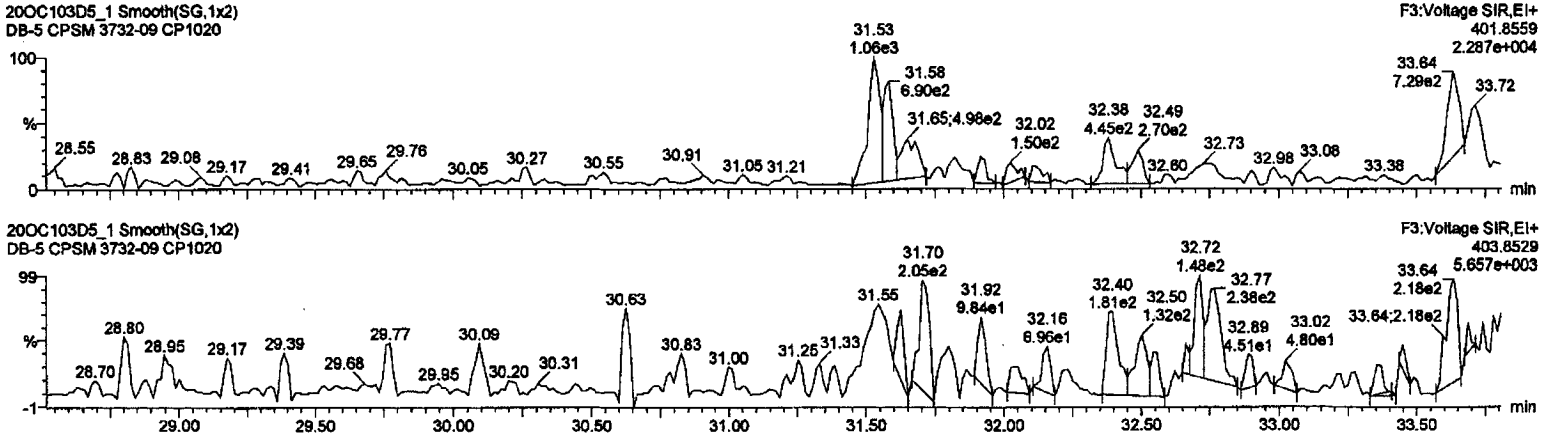
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HxCDDs



13C-HxCDDs



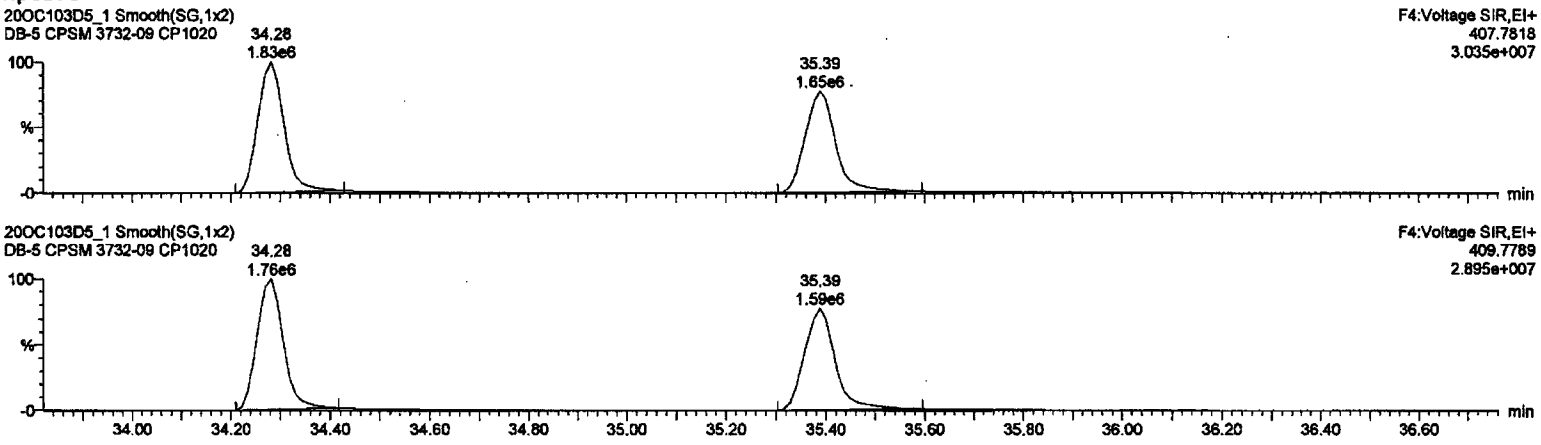
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

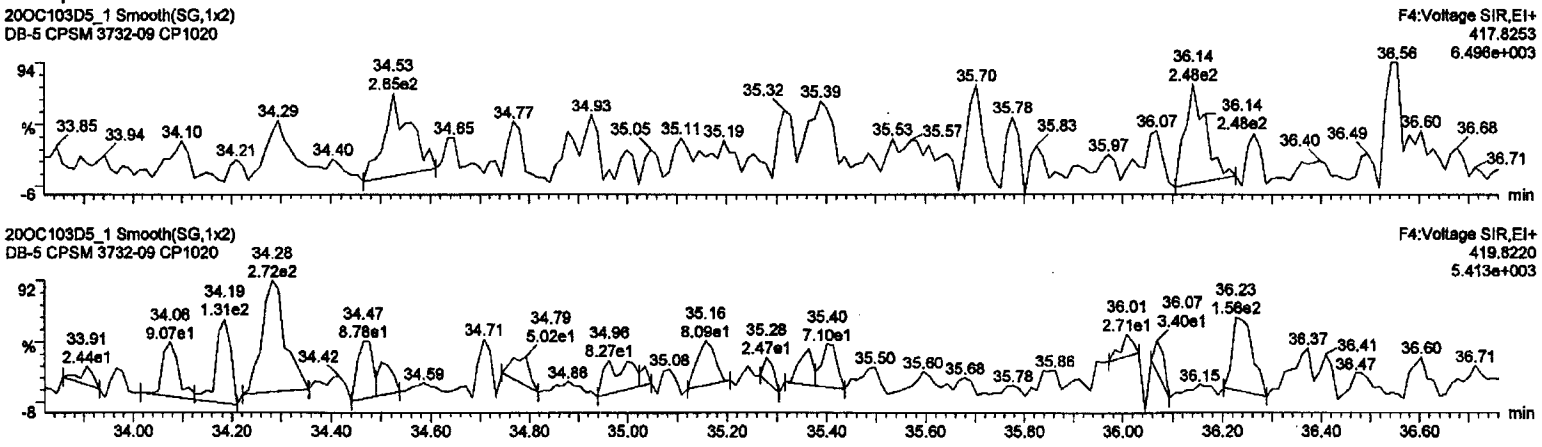
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HpCDFs



13C-HpCDFs



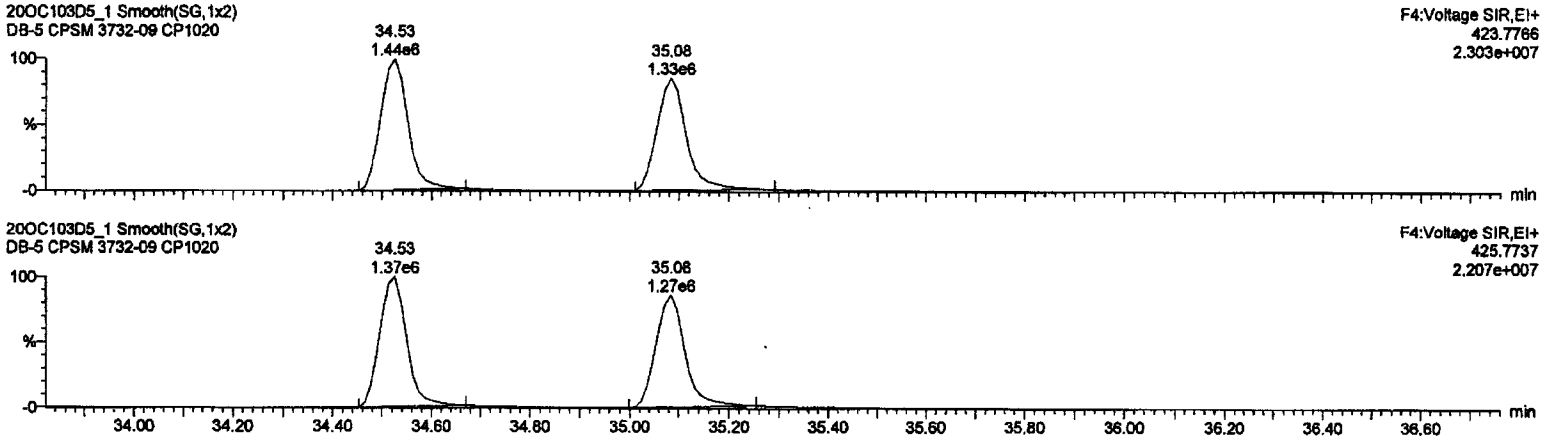
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

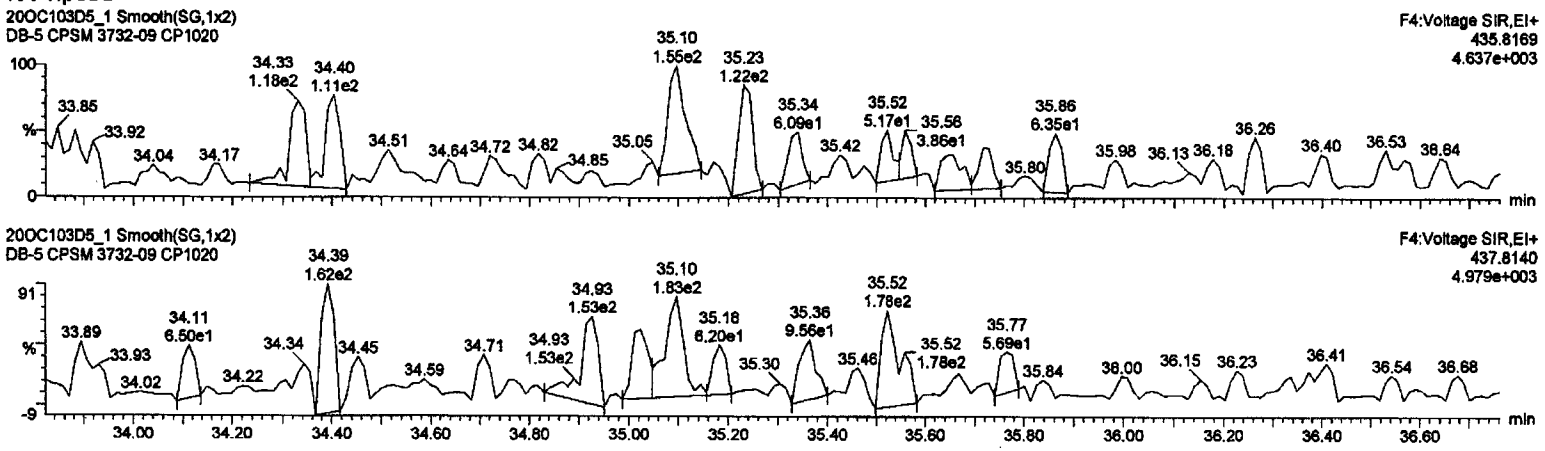
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

HpCDDs



13C-HpCDD



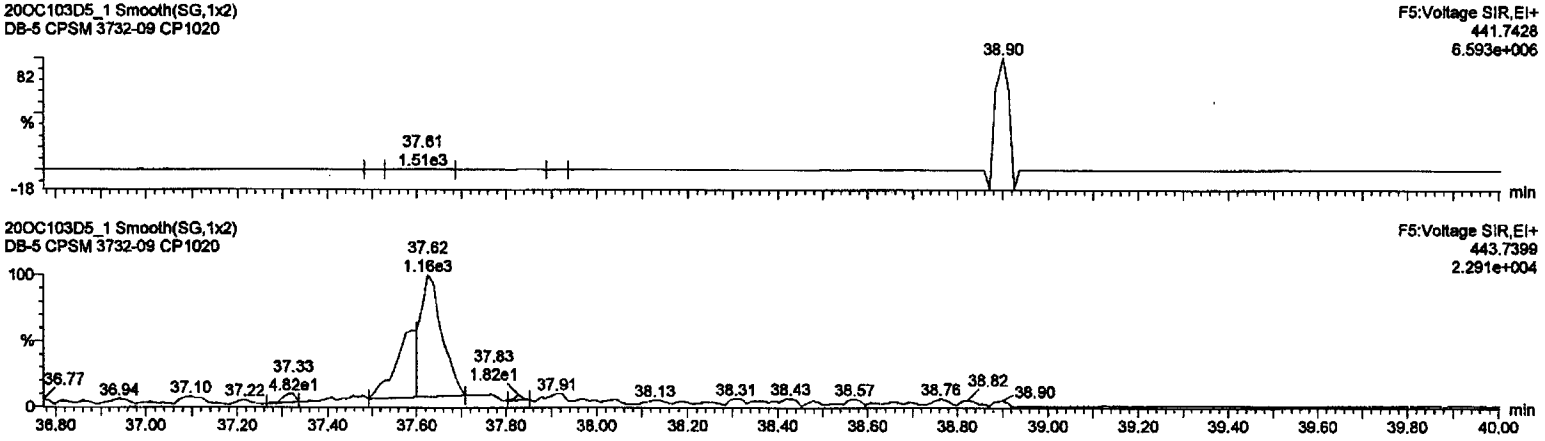
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

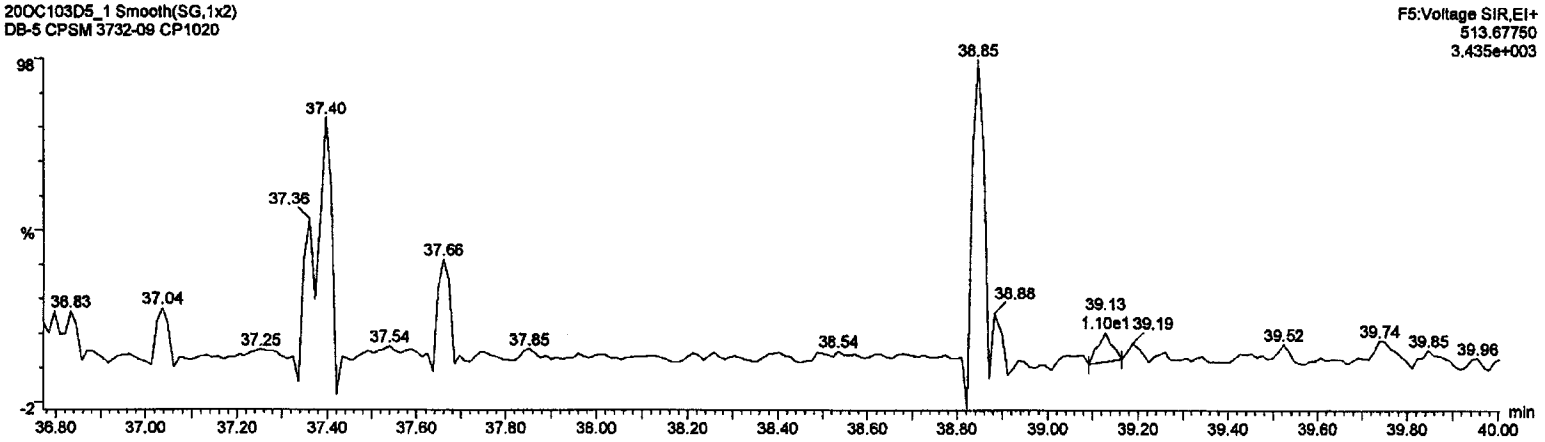
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

OCDFs



OCDF PCDPE



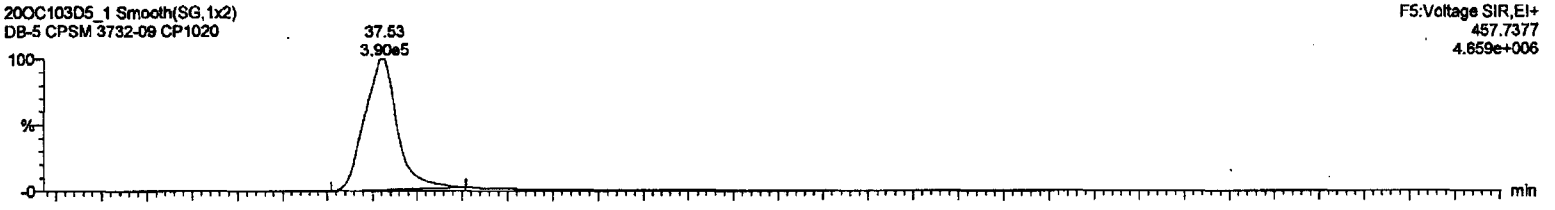
Quantify Sample Report **MassLynx 4.1**

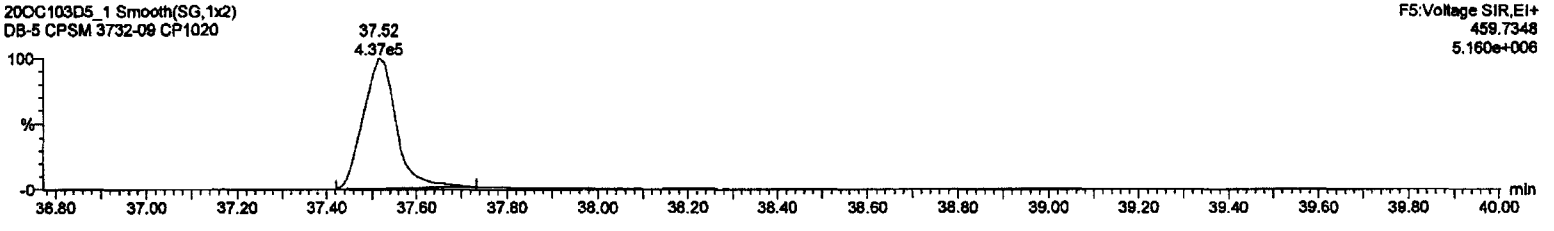
Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

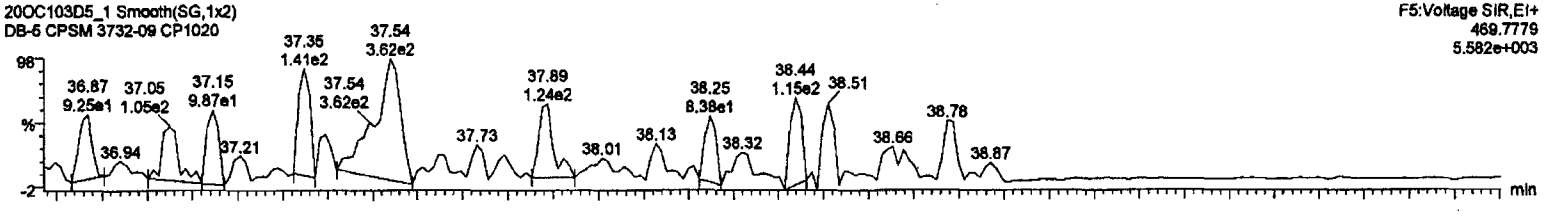
Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

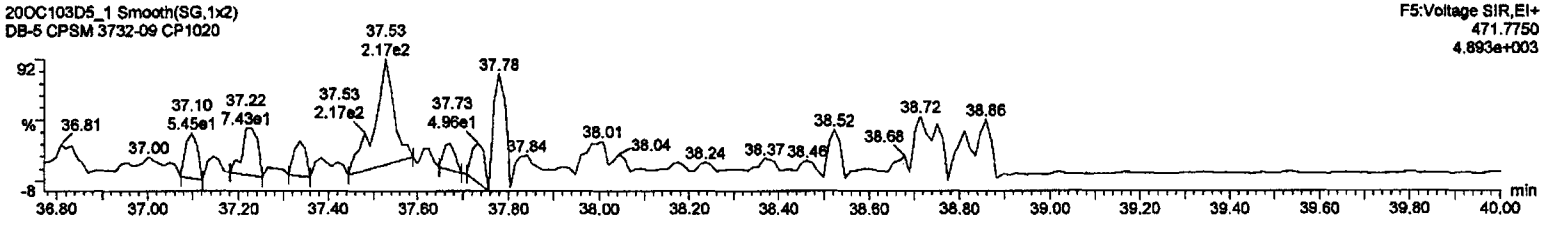
OCDD





13C-OCDD





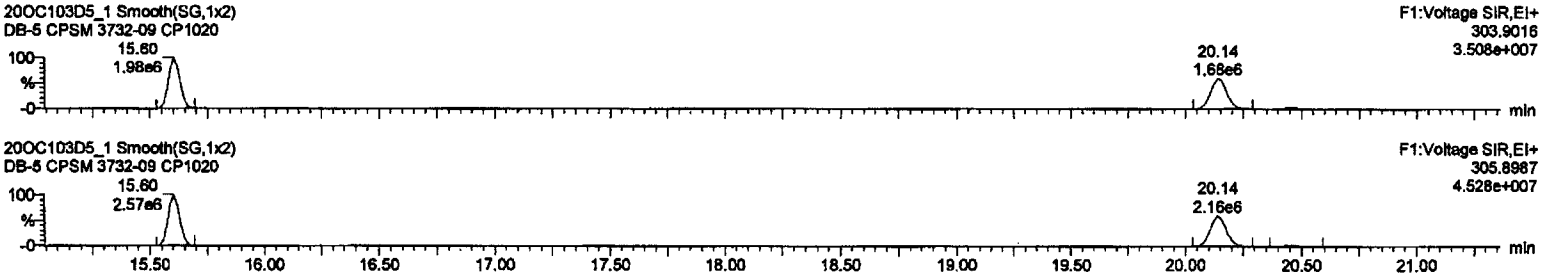
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

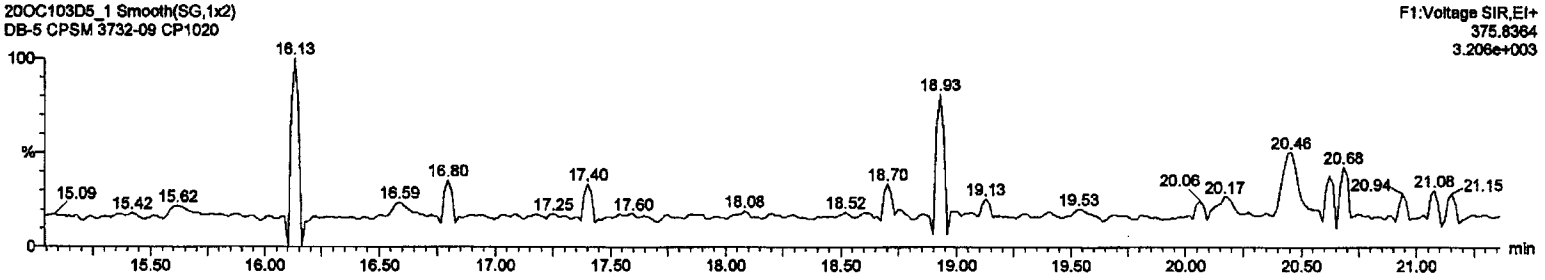
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

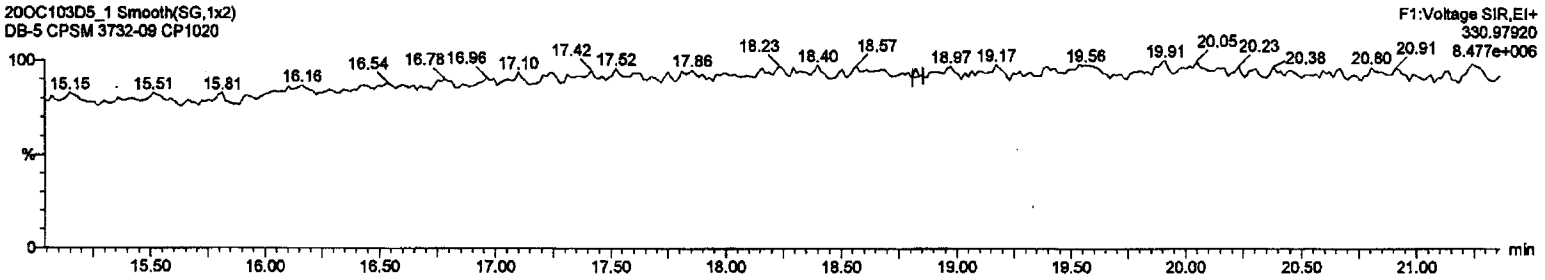
TCDFs



TCDF PCDPE



Function 1 PFK



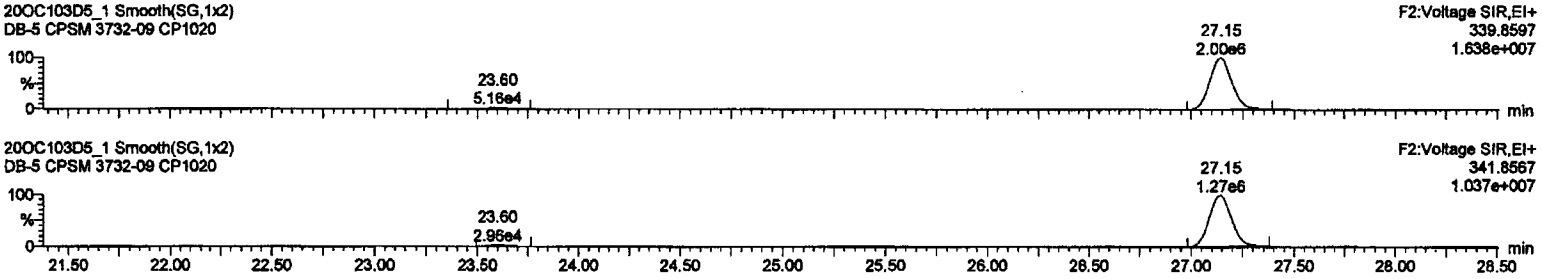
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

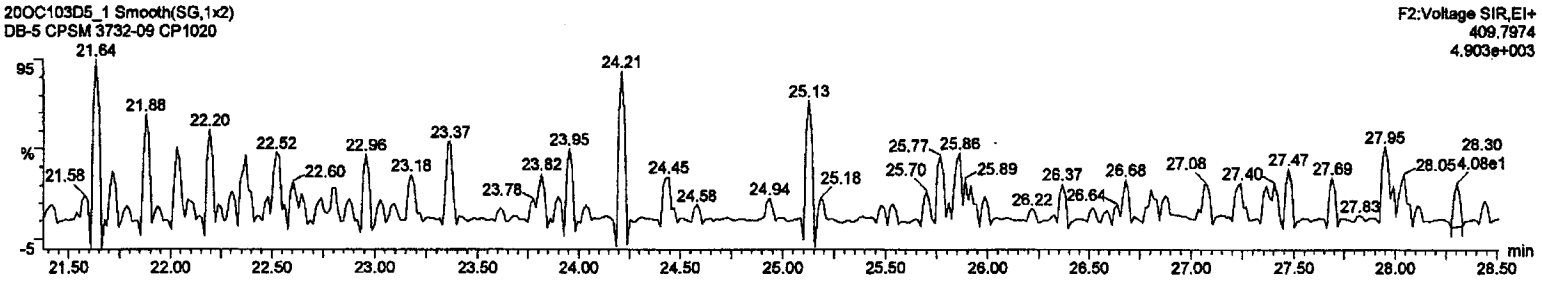
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

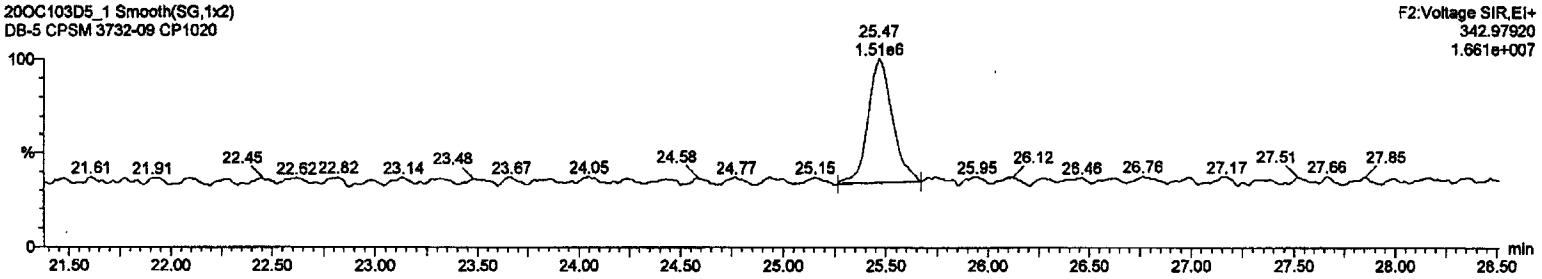
PeCDF



F2 PeCDF PCDPE



Function 2 PFK



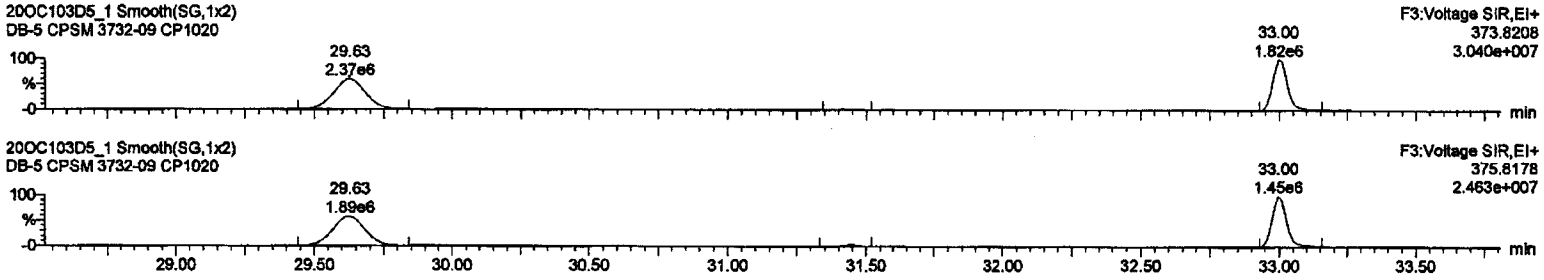
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

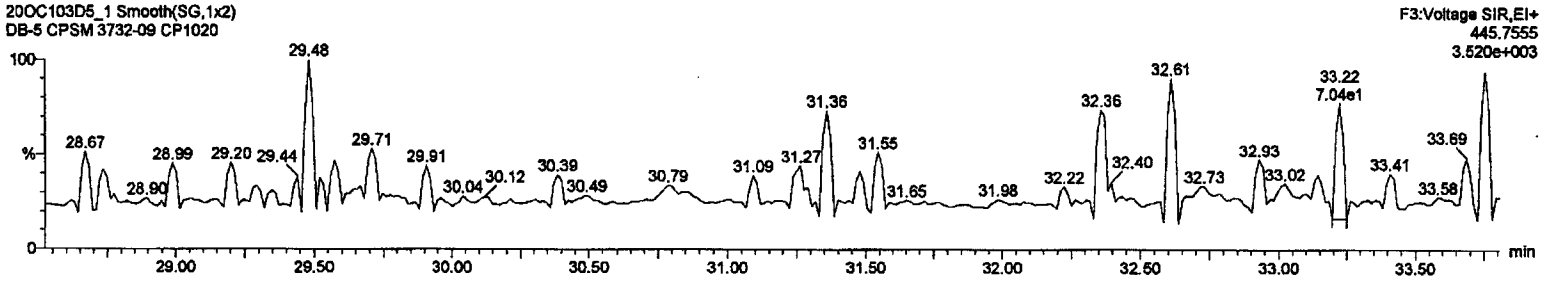
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

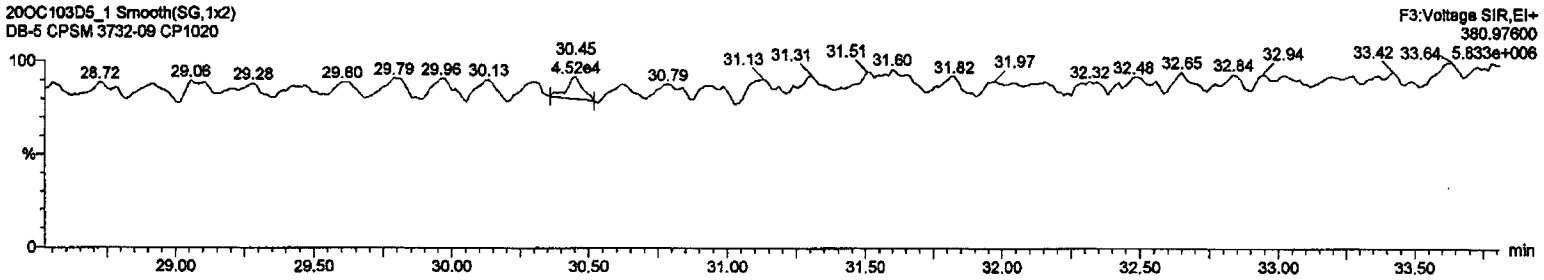
HxCDFs



HxCDF PCDPE



Function 3 PFK



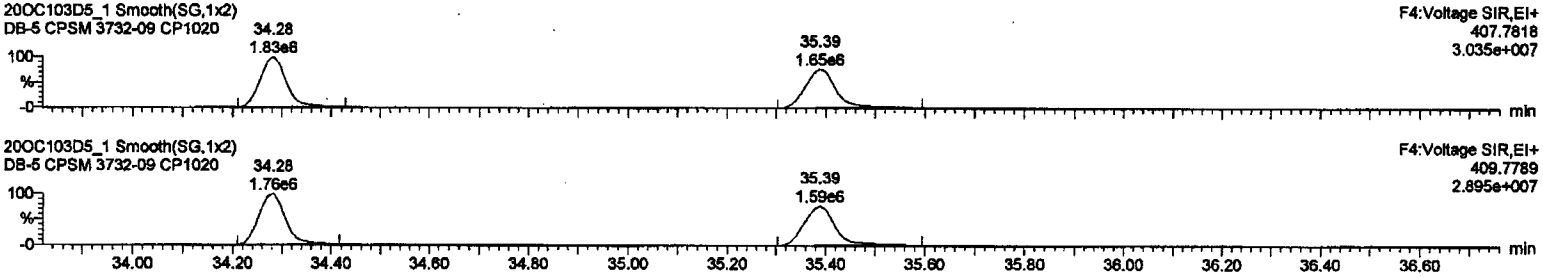
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

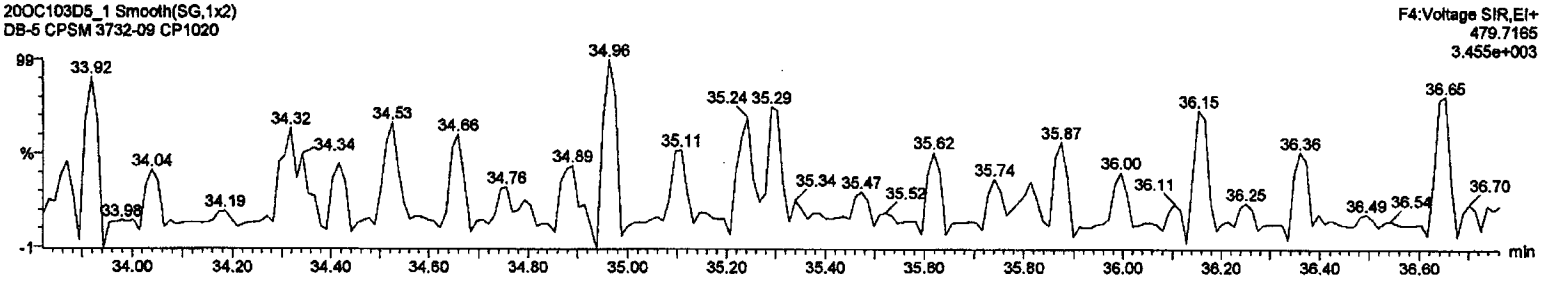
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

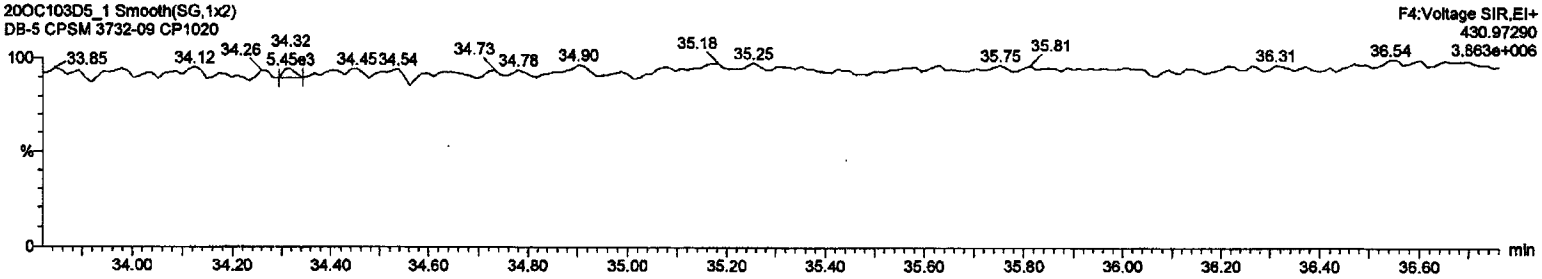
HpCDFs



HpCDF PCDPE



Function 4 PFK



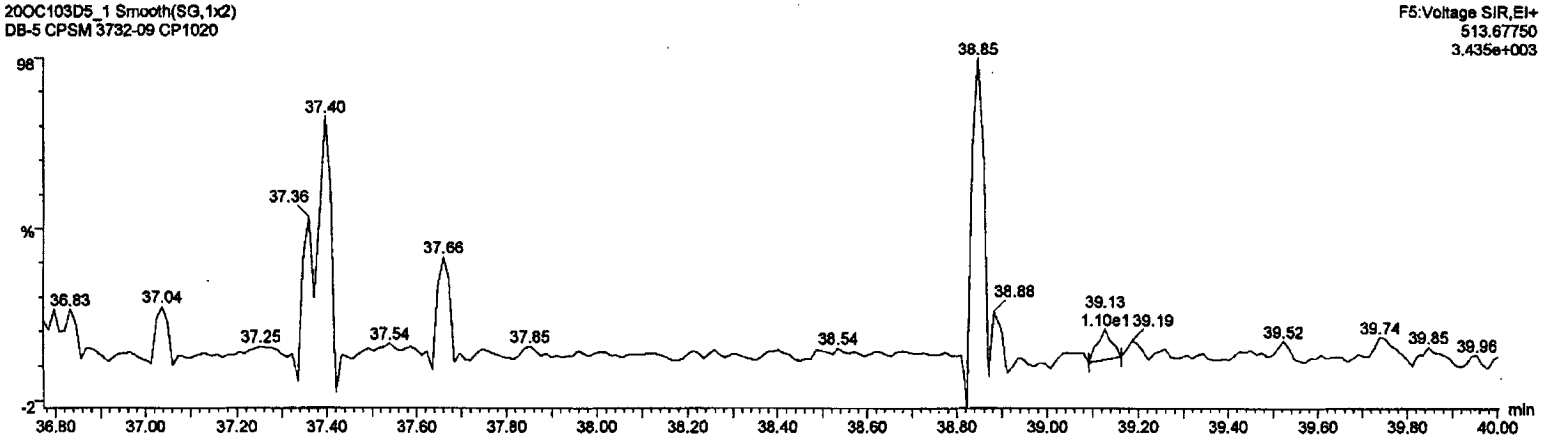
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM.qld

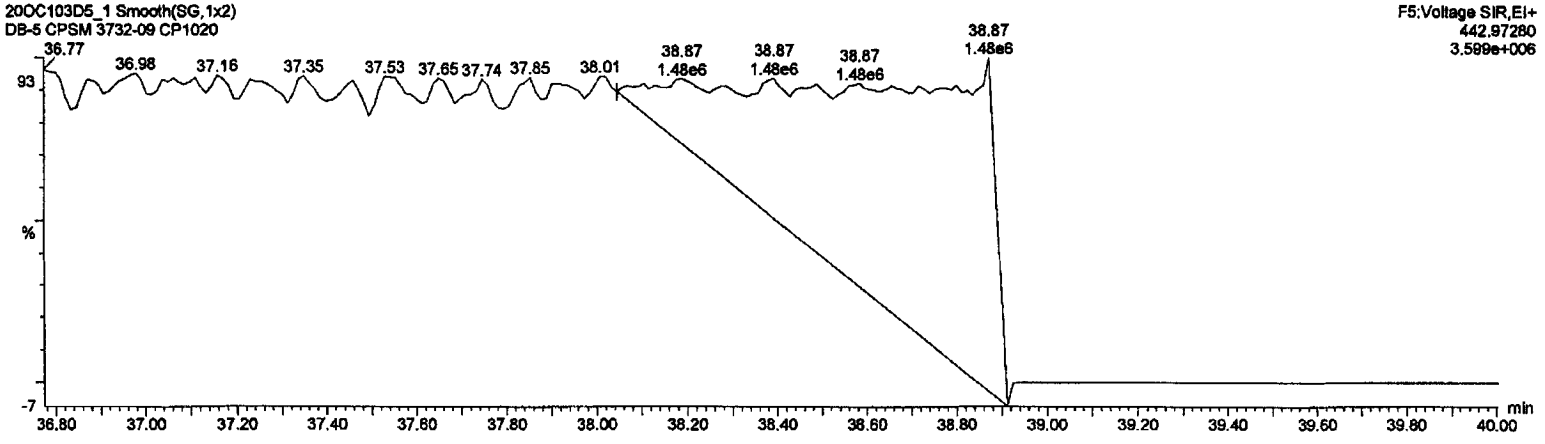
Last Altered: Wednesday, October 20, 2010 15:29:39 Pacific Daylight Time
Printed: Wednesday, October 20, 2010 15:30:10 Pacific Daylight Time

Name: 20OC103D5_1, Date: 20-Oct-2010, Time: 10:12:13, ID: CP1020, Description: DB-5 CPSM 3732-09

OCDF PCDPE



Function 5 PFK



Quantify Sample Report **MassLynx 4.1**

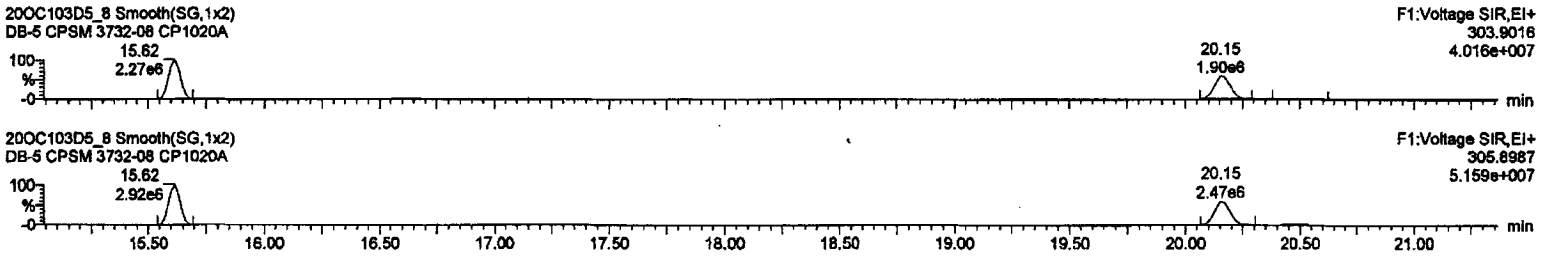
Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

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

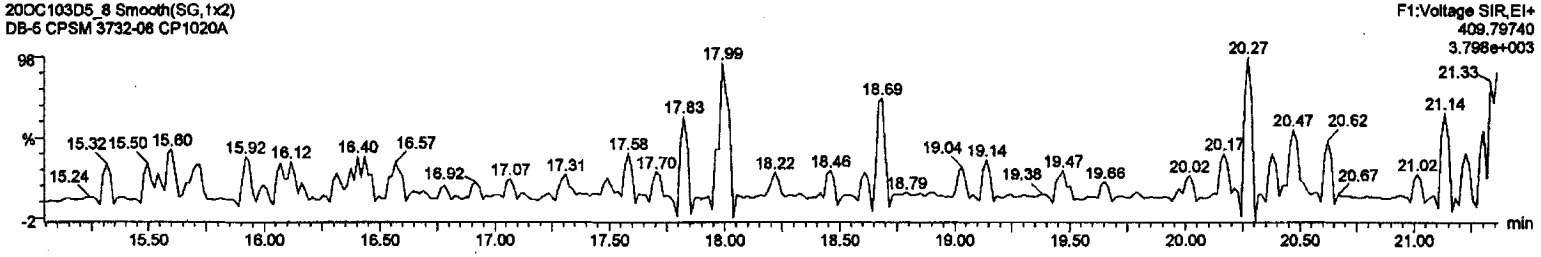
Method: C:\MassLynx\JAN2010.PRO\MethDB\16133D5.mdb 18 Oct 2010 15:35:16
Calibration: C:\MassLynx\JAN2010.PRO\CurveDB\ICA1020103D51613.cdb 20 Oct 2010 15:22:51

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

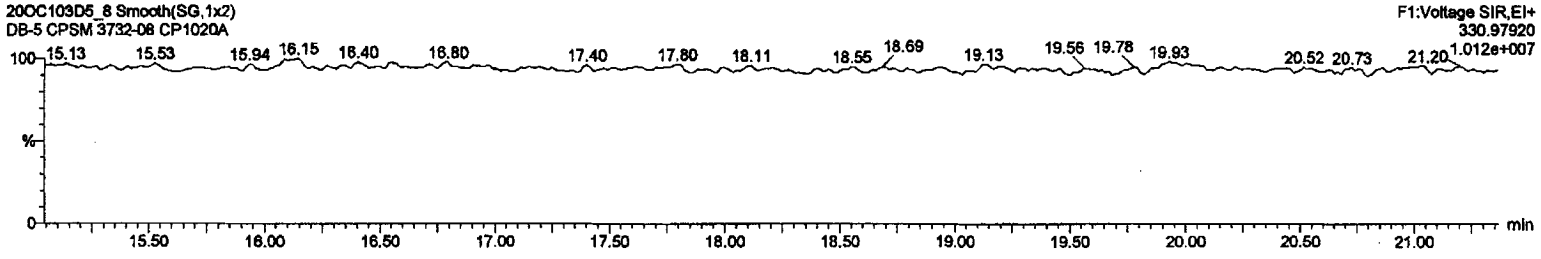
TCDFs



F1 PeCDF PCDPE



Function 1 PFK



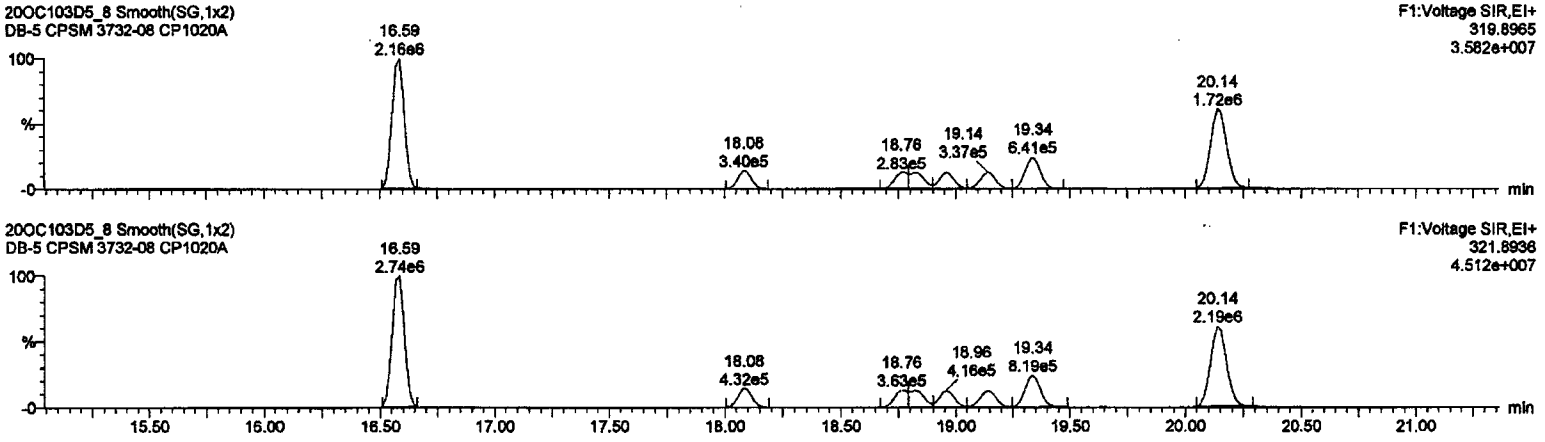
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

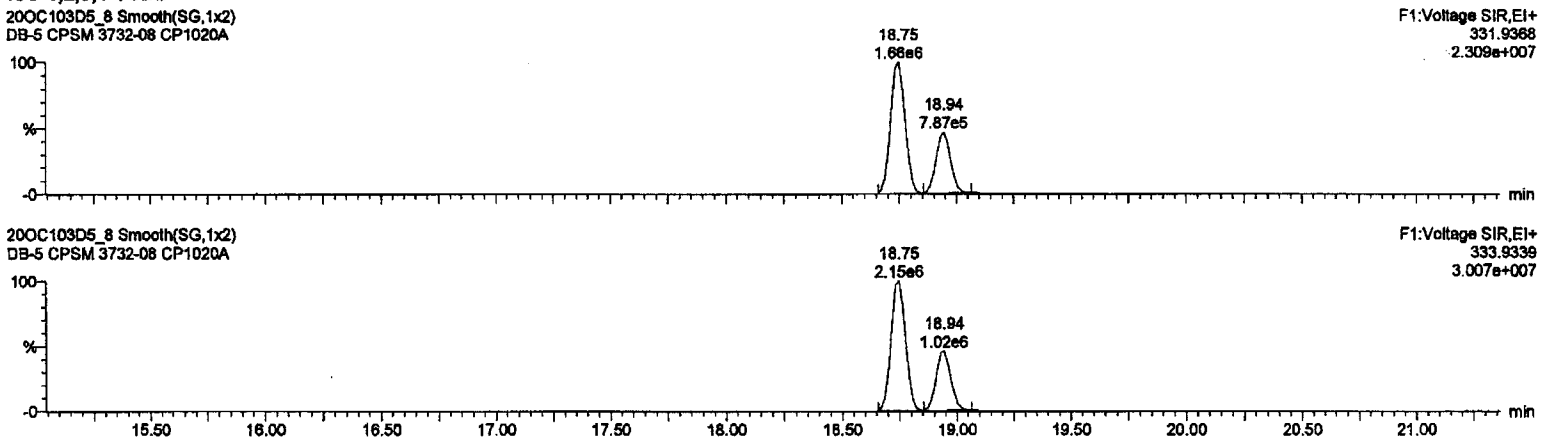
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

TCDDs



13C-1,2,3,4-TCDD



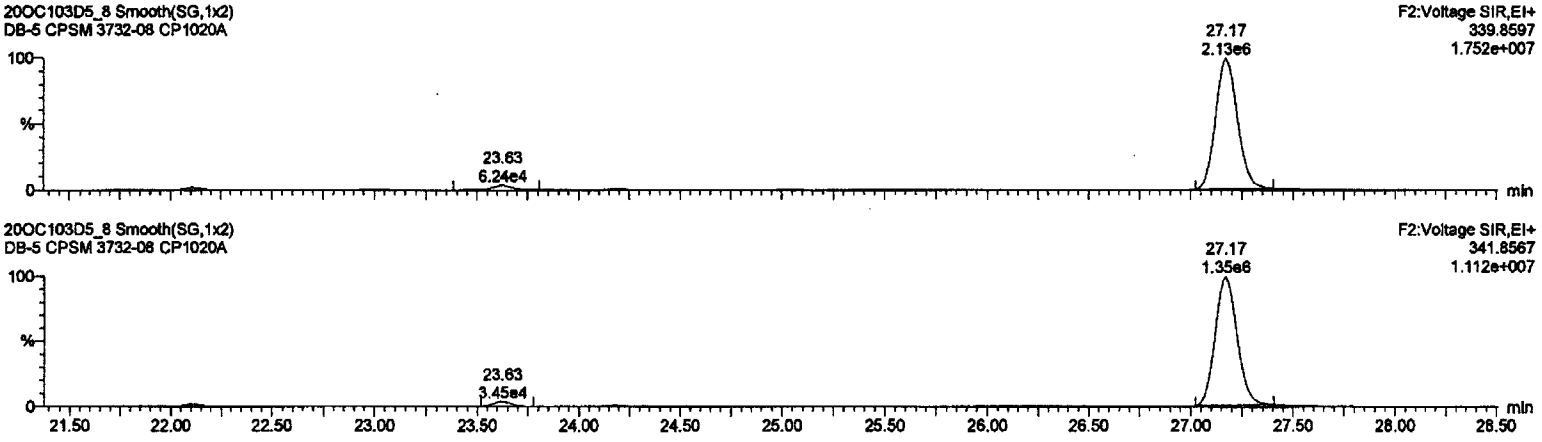
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

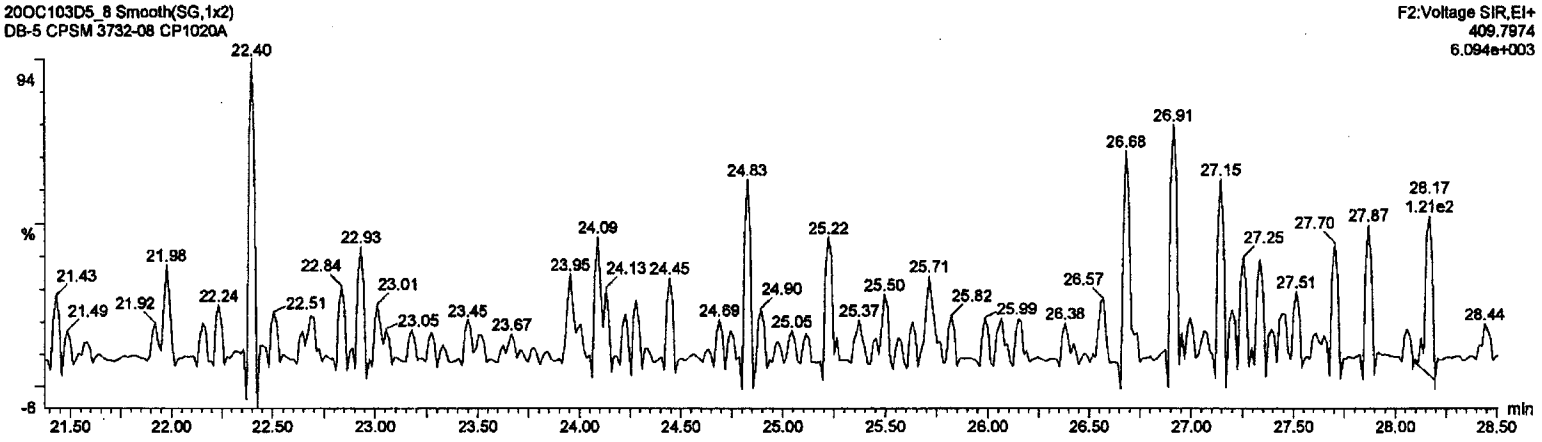
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

PeCDFs



F2 PeCDF PCDPE



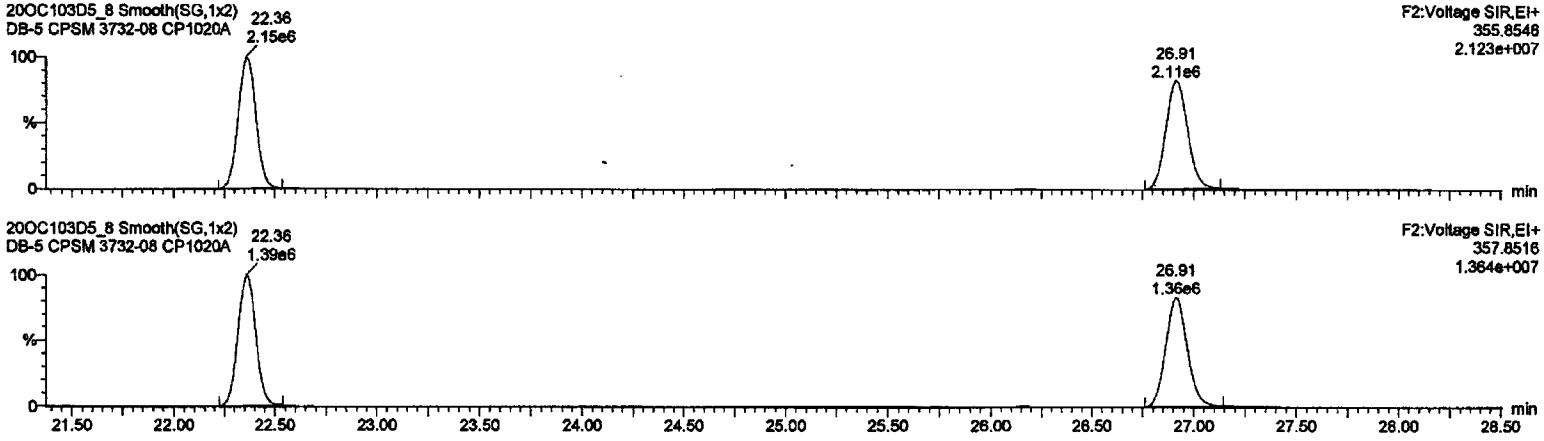
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

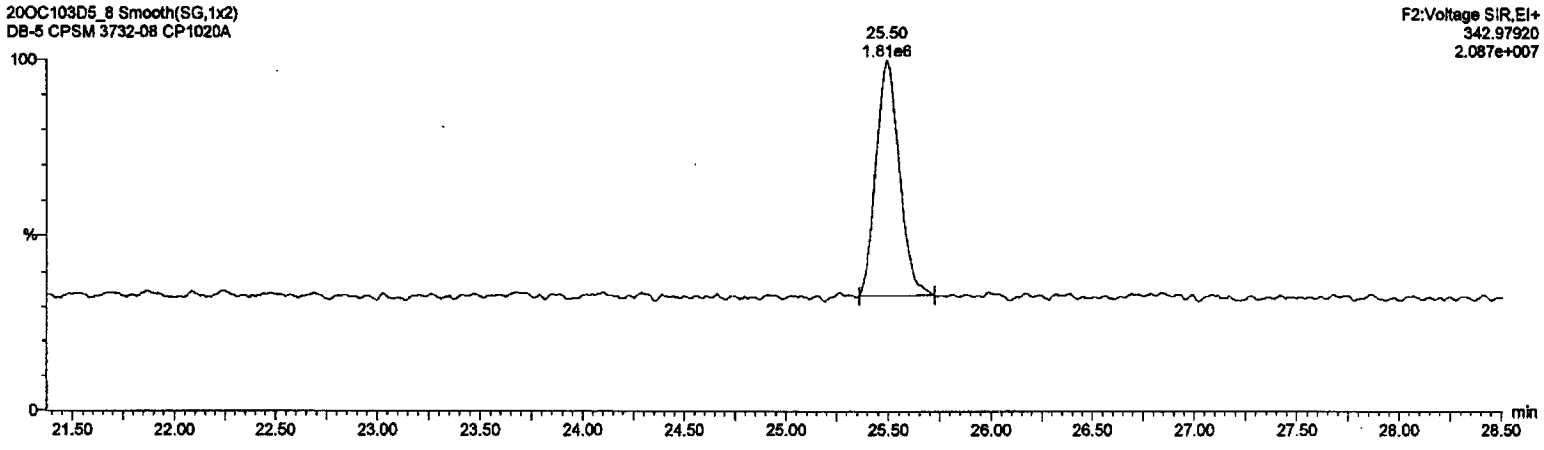
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

PeCDDs



Function 2 PFK



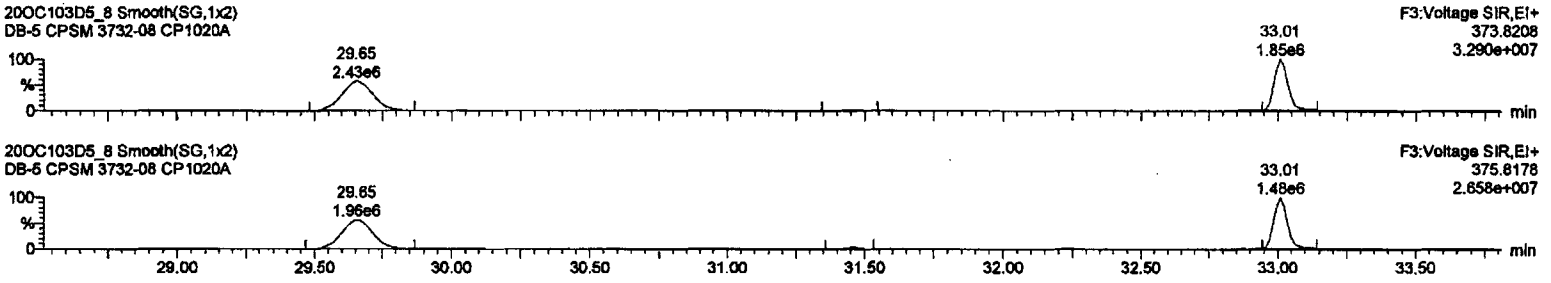
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

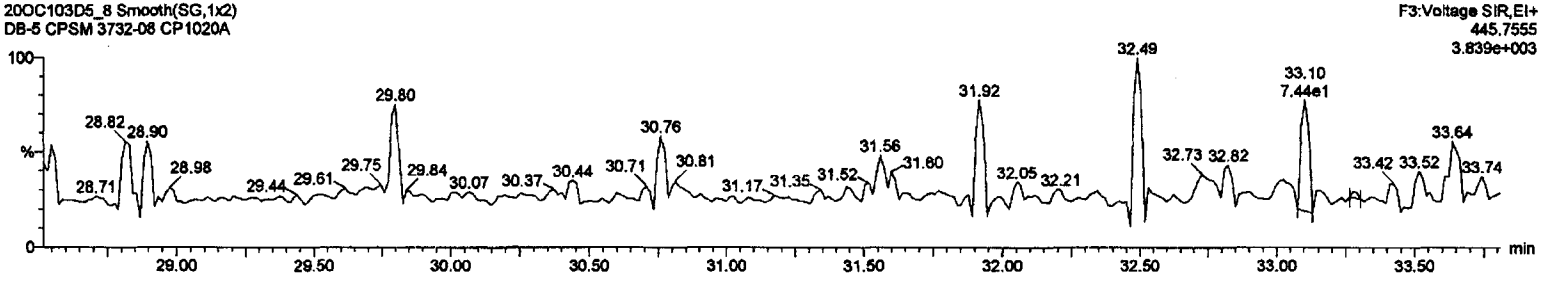
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

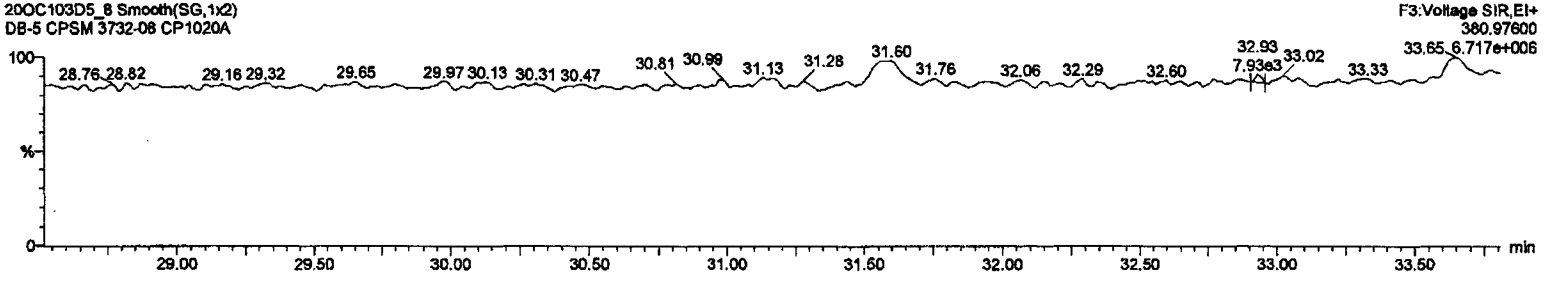
HxCDFs



HXCDF PCDPE



Function 3 PFK



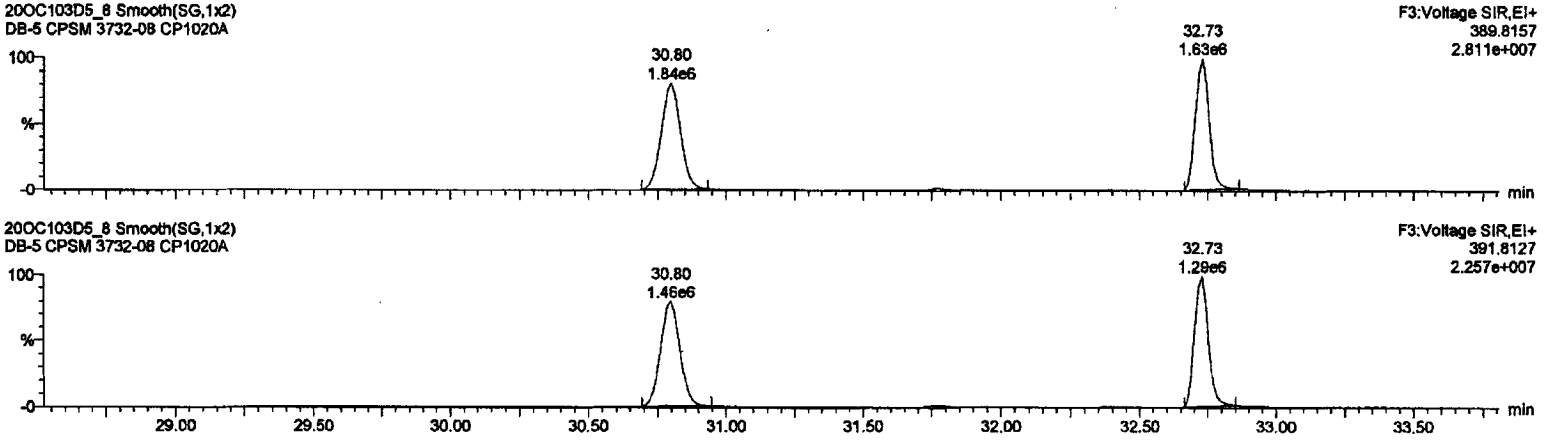
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

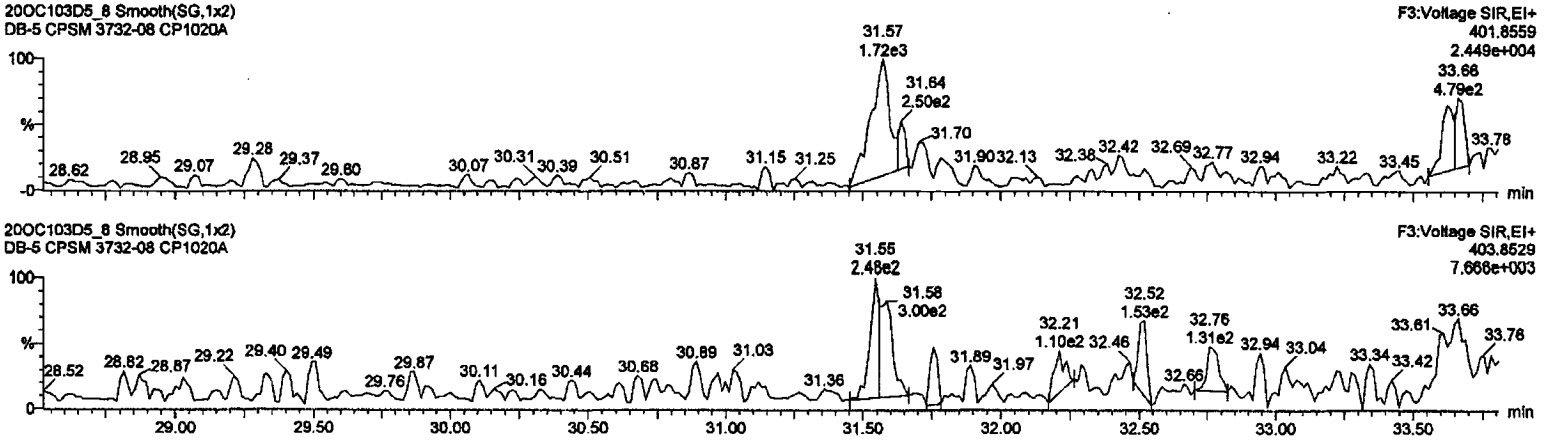
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

HxCDDs



13C-1,2,3,7,8,9-HxCDD



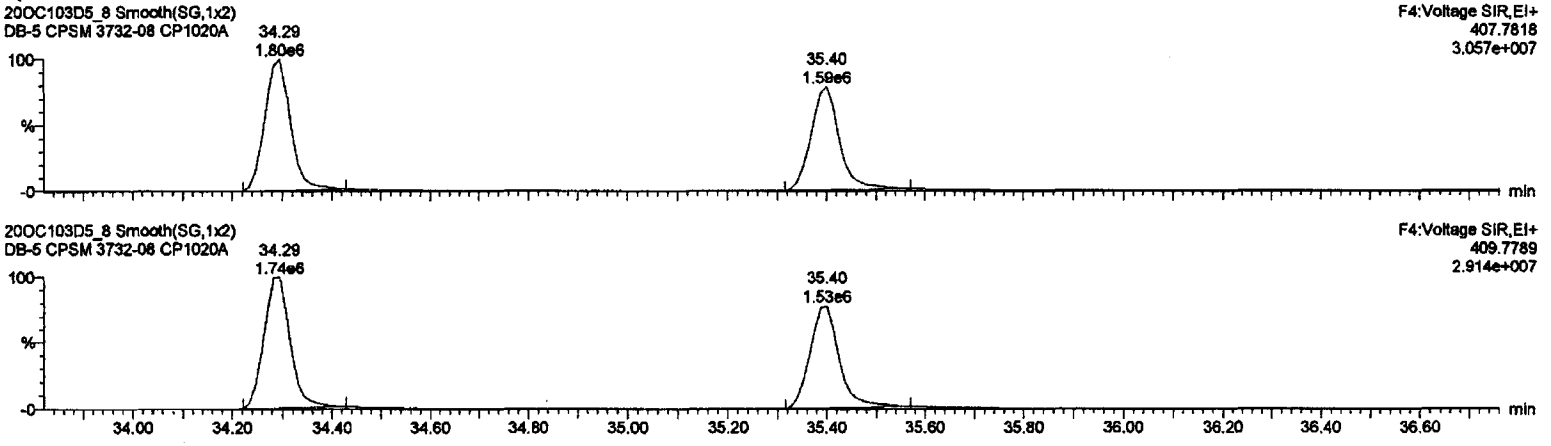
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

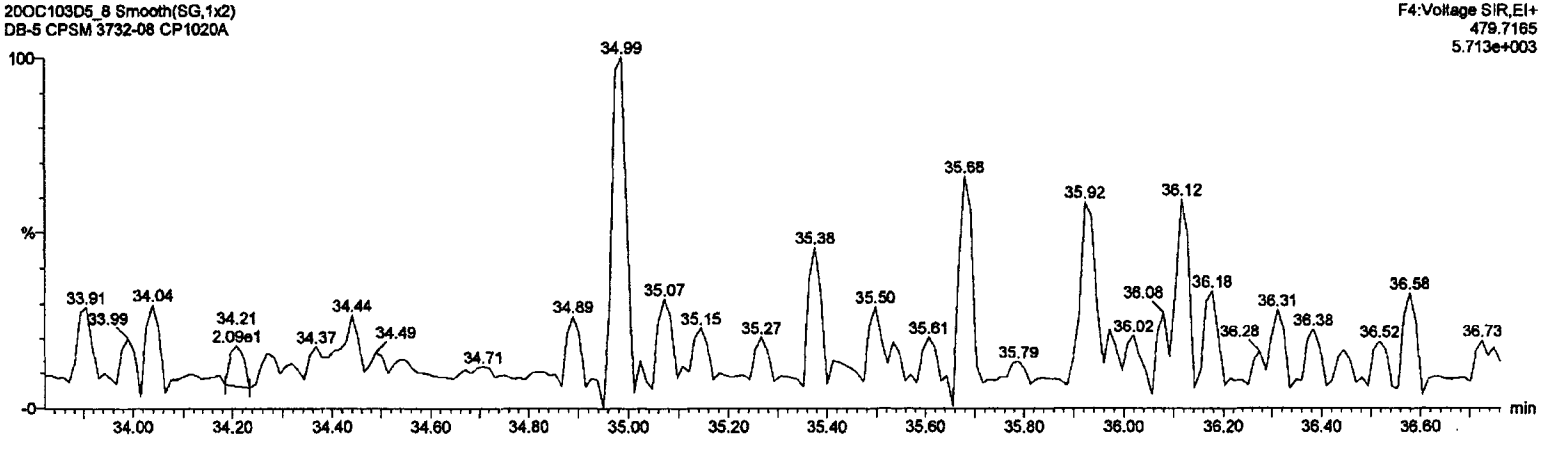
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

HpCDFs



HPCDF PCDPE



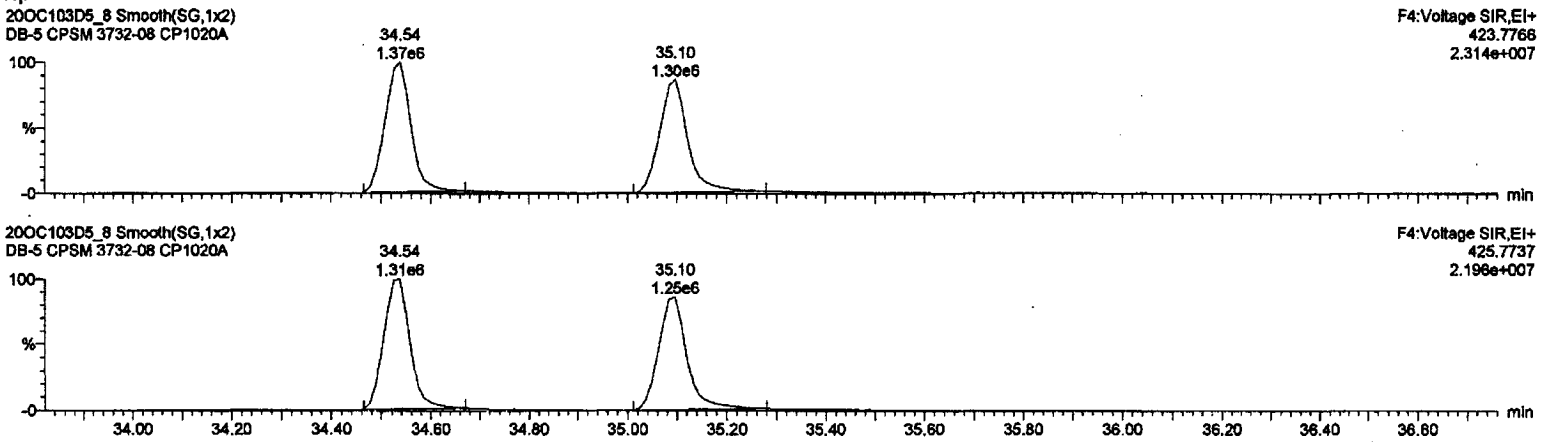
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

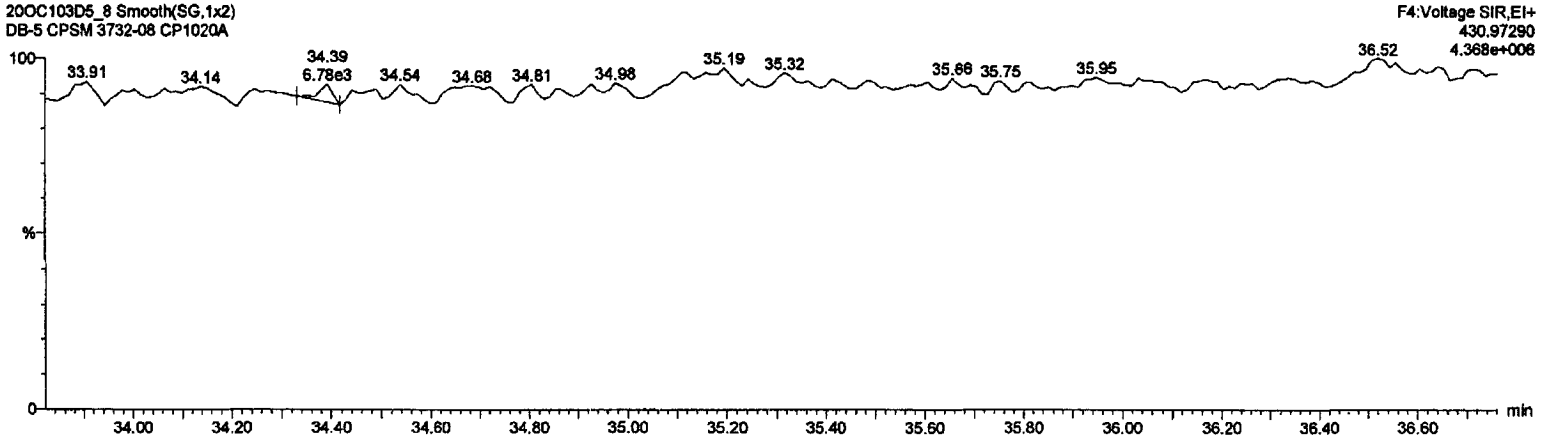
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

HpCDDs



Function 4 PFK



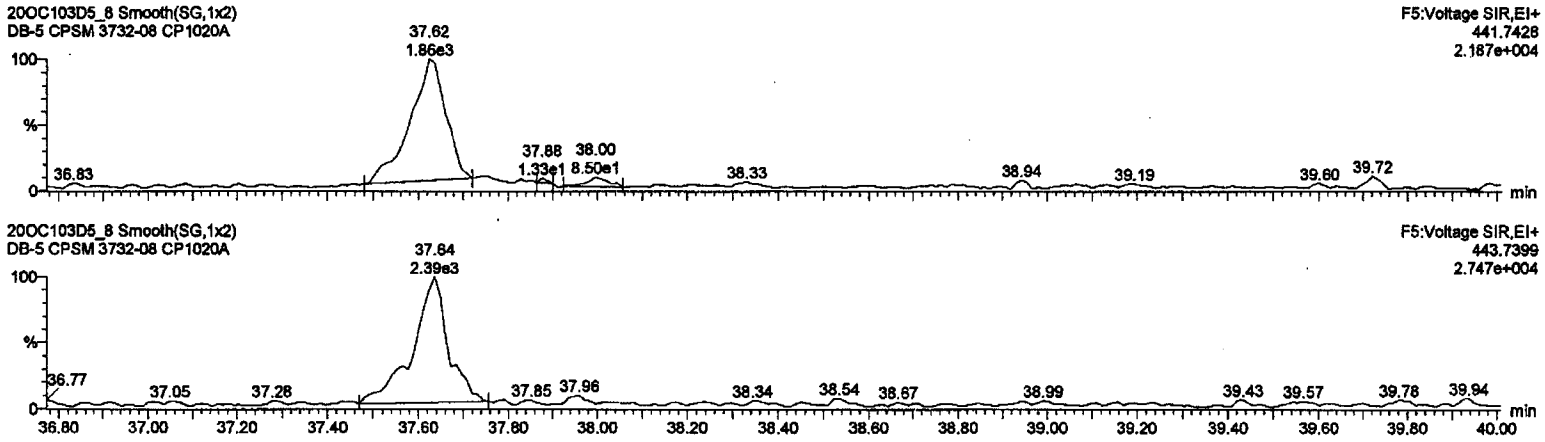
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

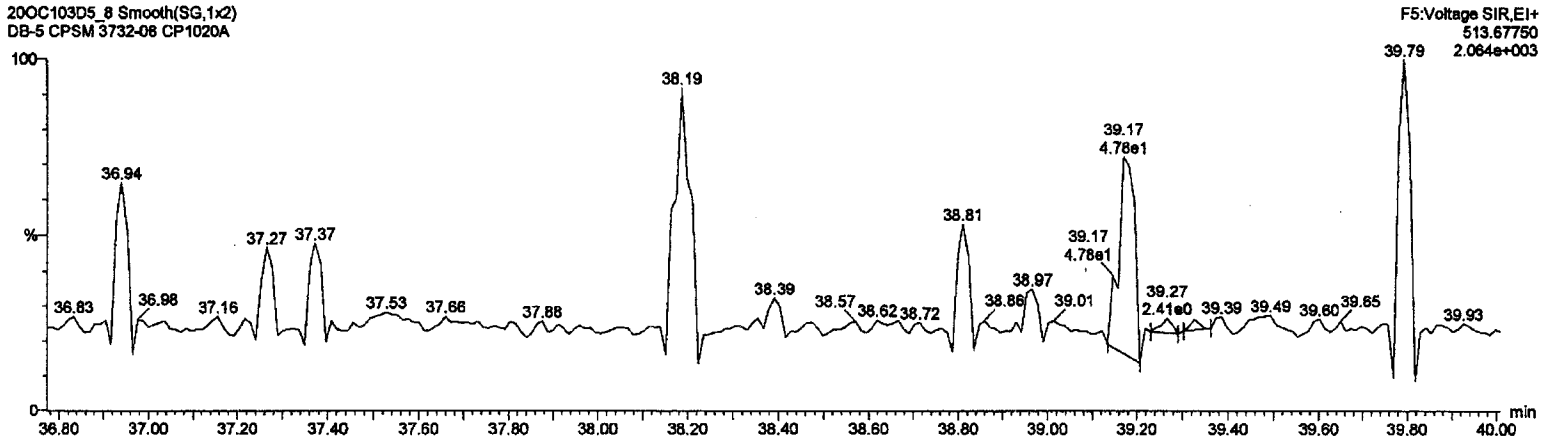
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

OCDFs



OCDF PCDPE



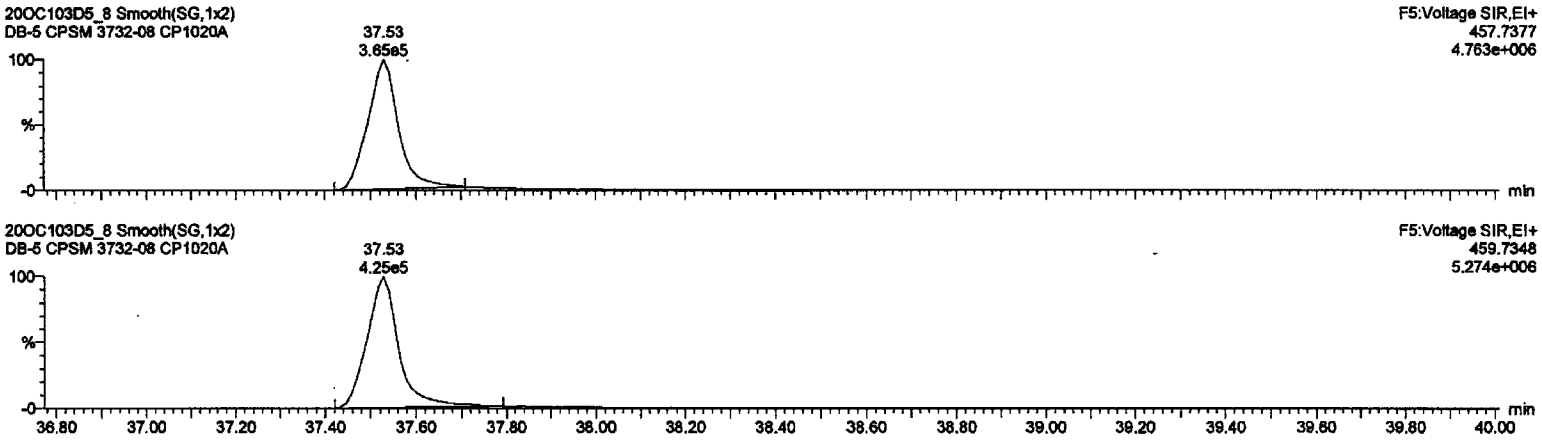
Quantify Sample Report **MassLynx 4.1**

Dataset: C:\MassLynx\JAN2010.PRO\20OC103D5CPSM2.qld

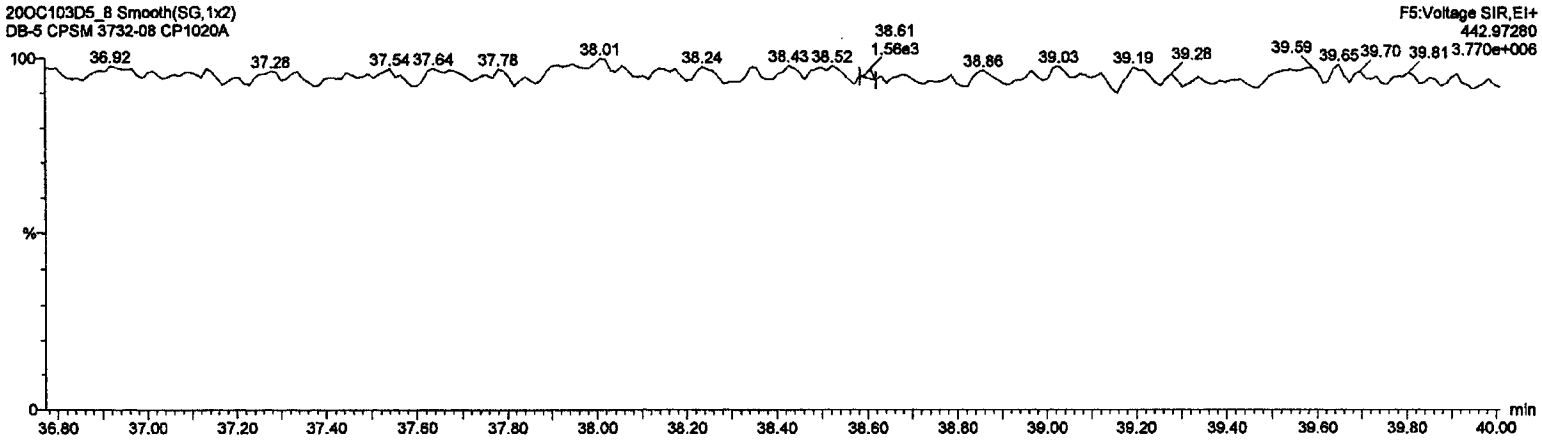
Last Altered: Wednesday, October 20, 2010 5:02:54 PM Pacific Daylight Time
Printed: Wednesday, October 20, 2010 5:03:19 PM Pacific Daylight Time

Name: 20OC103D5_8, Date: 20-Oct-2010, Time: 16:19:54, ID: CP1020A, Description: DB-5 CPSM 3732-08

OCDD



Function 5 PFK



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

Sample Extraction/Preparation Log Copies and Checklists

TestAmerica West Sacramento
High Resolution Prep Log
Dioxin/Furan Air Extraction

Batch: 0351382
MS Run #:
Prep Date: 12/17/2010

Box # 42

Shared QC Batch: N/A

Shares QC With: N/A

Internal COC:	
Delivered to Inst.:	12/20/10
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: 12/13/10 18:15 Soxhlet time off: 12:15 12/18/10

Prep Reagents		
Reagent	**Supplier**	**Lot #**
Toluene	Baker	J31N54
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

Extraction Table

Sample ID	Suff	Work Order	Extraction Hold Time Expires	Sample size *	Final Volume 20uL	Final Volume Other	Analysis Hold Time Expires	Extraction ID	Round Bottom ID	Rotovap ID
G0L170000 - 382	B	MCJNK1AA	12/20/2010	1.0	✓		1/26/2011			5
G0L170000 - 382	C	MCJNK1AC	12/20/2010	1.0	✓		1/26/2011			7
G0L170000 - 382	L	MCJNK1AD	12/20/2010	1.0	✓		1/26/2011			6
G0L170472 - 2		MCG641AA	12/20/2010	1.0	✓		1/26/2011			5
G0L170472 - 6		MCG7G1AA	12/20/2010	1.0	✓	12/20/10	1/26/2011	12/20/10		7
G0L170472 - 8		MCG7N1AA	12/21/2010	1.0	✓		1/26/2011			6
G0L170472 - 10		MCG7W1AA	12/21/2010	1.0	✓		1/26/2011			5
G0L170472 - 13		MCG771AA	12/22/2010	1.0	✓		1/26/2011			7
G0L170472 - 17		MCG8K1AA	12/22/2010	1.0	✓		1/26/2011			6

* See attached sheet for sample volumes recorded from scale

Comments/NCMs: _____

	ID	Spike Exp Date:	Spiked By:	Witnessed By:	Date:
Internal Standard All Samples	2.0mL / 10AIE598 DXN ECY 12/17/10 / 8290/1613 Daily IS	10/27/11	ECY	JZ	12/17/10
Spike Mix LCS/LCSD~~/MS/MS~~	100µL / 10DXN431 / 8290/1613 Daily NS	9/2/11	ECY	JZ	12/17/10
Pre-Spike Standard MB/~~LCS/LCSD~~	200µL / 10DXN429 / TO-9 Daily Surr	7/19/11	ECY	JZ	12/17/0
Recovery Standard All Samples	20.0µl 10DXN508	10/28/11		DVS	12/20/P
Soxhlet Extraction Analyst/Date	ECY 12/17/10				

½ Split/Archive Analyst/Date 5.0mL	Option C Analyst/Date	IFB Analyst/Date	D2 Analyst/Date
ML 12/20/10	—	T.L 12/20/10	—

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0351382 **Test:** TO-9

Prep Date: 12/17/10 **Holding Times:** 12/20/10 **NCM:** Y N

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

Spike witness: JZ Date: 12/17/10

2nd Level Reviewer: [signature] Date: 12/20/10

Comments:

TestAmerica West Sacramento

Data Checklist
HRGCMS/LRGCMS Analyses

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Batch #: 0351382 Method ID: Dioxins/Furans, HRGC/HRMS (TO-9)

	DB-5	DB-225
Data Analyst:	VA	
Date initiated:	12.23.6	
Reviewer:		
Date reviewed:		

QA/QC verification:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓			
-Method Blank present?	✓			
-LCS/DCS copy present and meets native recovery criteria?	✓			
-Internal standard recoveries within limits?*	✓			
-Ion ratios within + 15% of theoretical values?	✓			
-Other QC (Dup,MS,SD) within specs?**	NA			

Sample Analysis:	Initiated DB-5	Reviewed DB-5	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓			
-All raw data present?	✓			
-Standard target DL's used? If RL's are used specify:	✓			
-DL's below TDL / LCL (please circle)?	✓			
-All positives reported at levels greater than method blank DL's?	✓			
-Correct RRF's used for method?	✓			
-Internal standard amounts correct for method?	✓			
-Target analytes are not saturated?	✓			
-Dilution/splitting of extract taken into account?	✓			
-Have dilution calculations been verified?	NA			
-Has a manual calculation for the sequence(s) been verified?	✓			
-Are retention times (RT) correct?	✓			
-Manual integrations checked?	✓			

Comments: (Use other side if necessary)
① see NCM

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
PCBs:	25-150%***	50%
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	
Method 1614	25-150%***	

*** Lower recoveries are acceptable if I.S. S/N ≥10:1 and DL's are <LCL for target analytes.

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/20/10
Time: 14:08:04

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

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

Extractionist: 403162 erica X. larson

Concentrationist: 006625 Elizabeth Nguyen

QC BATCH: 0351382

PREP DATE: 12/17/10 16:00
COMP DATE: 12/20/10 17:00

Reviewer/Date: NGUYENE / 12/20/10

Dioxins/Furans, HRGC/HRMS (TO-9)
SOXHLET (NONE,Na2SO4)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/20/10	12/28/10	G0L170472-002 **MCG64-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/20/10	12/28/10	G0L170472-006 **MCG7G-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/21/10	12/28/10	G0L170472-008 **MCG7N-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/21/10	12/28/10	G0L170472-010 **MCG7W-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/22/10	12/28/10	G0L170472-013 **MCG77-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/22/10	12/28/10	G0L170472-017 **MCG8K-1-AA**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	2.0ML/10DXN598/8290 IS
COMMENTS:															
12/20/10	0/00/00	G0L170000-382 **MCJNK-1-AAB**		11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	200UL/10DXN429/TO9 SURR 2.0ML/10DXN598/8290 IS
COMMENTS:															

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/20/10
Time: 14:08:04

QC BATCH: 0351382

PREP DATE: 12/17/10 16:00
COMP DATE: 12/20/10 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
12/20/10	0/00/00	G0L170000-382 **MCJNK-1-ACC**		11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN598/8290 IS
COMMENTS:															
12/20/10	0/00/00	G0L170000-382 **MCJNK-1-ADL**	R	11	IK	AIR	**0.5Sample** 20.00uL	NA	NA	NA	TOL	700.0		.0	100UL/10DXN431/8290 NS 2.0ML/10DXN598/8290 IS
COMMENTS:															

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

NUMBER OF WORK ORDERS IN BATCH: 9

AIR, Metals by ICPMS (As and Mn)

Raw Data Package

ICPMS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): (M01) M02		Method 6020 SOP SAC-MT-0001	
File Number	Batch Numbers	Date	Analyst
101222A1	355279, 355365, 354529, 351287	12-22-10	SA/EV

Lot Numbers: 60L210459, 60L180469, 6L200450, 60L170472, 60L170458	YES	NO	NA
1. Copy of analysis protocol used included?	✓		
2. ICVs & CCVs within 10% of true value or recal and rerun?	✓		
3. ICB & CCBs < reporting limit or recal and rerun?	✓		
4. 10 samples or less analyzed between calibration checks?	✓		
5. All parameters within linear range?	✓		
6. LCS/LCSD within limits?	✓		
7. Prep blank value < reporting limit or all samples >20x blank?	✓		
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <120% of the Calibration Blank intensities?	✓		
9. Appropriate dilution factors applied to data?	✓		
10. Matrix spike and spike dup within customer defined limits?			✓
11. Each batch checked for presence of internal standard in samples?	✓		
12. Anomalies entered using Clouseau?			✓

COMMENTS: _____

REVIEWED BY: MTL	DATA ENTERED BY: SA
DATE: 12/23/10	DATE: 12-23-10

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\101222a1\
Report Date/Time: Thursday, December 23, 2010 07:27:51

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BVOTAW	10:06:16 Wed 22-Dec-10	Sample	
	AUTOLENS BVOTAV	10:12:21 Wed 22-Dec-10	Sample	Auto Lens Calib
	DAILY BVOTAW	10:16:19 Wed 22-Dec-10	Sample	
	Rinse 2X	10:36:45 Wed 22-Dec-10	Sample	
	Blank	10:40:51 Wed 22-Dec-10	Blank	
	Standard 1	10:44:51 Wed 22-Dec-10	Standard #1	
	ICV	10:48:35 Wed 22-Dec-10	Sample	
	ICB	10:52:24 Wed 22-Dec-10	Sample	
	LLSTD1 10X	10:59:18 Wed 22-Dec-10	Sample	LLSTD@10X
	LLSTD1 5X	11:03:03 Wed 22-Dec-10	Sample	LLSTD@5X
	ICSA	11:06:15 Wed 22-Dec-10	Sample	
	ICSAB	11:10:02 Wed 22-Dec-10	Sample	
	Rinse	11:17:31 Wed 22-Dec-10	Sample	
	CCV 1	11:25:01 Wed 22-Dec-10	Sample	
	CCB 1	11:28:51 Wed 22-Dec-10	Sample	
	CCV 2	11:38:10 Wed 22-Dec-10	Sample	
	CCB 2	11:41:59 Wed 22-Dec-10	Sample	
355379/365	MCM32C	11:45:42 Wed 22-Dec-10	Sample	G0L210000-379/365 LCS
355379/365	MCM32L	11:49:21 Wed 22-Dec-10	Sample	G0L210000-379/365 LCSD
	Rinse	11:53:09 Wed 22-Dec-10	Sample	
355379/365	MCM32B	12:00:35 Wed 22-Dec-10	Sample	G0L210000-379/365 BLK
355379	MCMD9	12:04:17 Wed 22-Dec-10	Sample	G0L210459-1
355379	MCMD9P5	12:07:58 Wed 22-Dec-10	Sample	G0L210459-1 5X
355379	MCMD9X	12:11:39 Wed 22-Dec-10	Sample	G0L210459-1 DU
355379	MCMD9Z	12:17:06 Wed 22-Dec-10	Sample	G0L210459-1 PS
355379	MCMED	12:20:48 Wed 22-Dec-10	Sample	G0L210459-2
355379	MCMEE	12:24:30 Wed 22-Dec-10	Sample	G0L210459-3
	CCV 3	12:28:19 Wed 22-Dec-10	Sample	
	CCB 3	12:32:09 Wed 22-Dec-10	Sample	
	CCV 4	12:35:59 Wed 22-Dec-10	Sample	
	CCB 4	12:39:48 Wed 22-Dec-10	Sample	
355379	MCMEF	12:43:33 Wed 22-Dec-10	Sample	G0L210459-4
355379	MCMEG	12:47:16 Wed 22-Dec-10	Sample	G0L210459-5
354529	MCLTGC	12:50:57 Wed 22-Dec-10	Sample	G0L200000-529 LCS
354529	MCLTGL	12:54:38 Wed 22-Dec-10	Sample	G0L200000-529 LCSD
	Rinse	12:58:26 Wed 22-Dec-10	Sample	
354529	MCLTGB	13:05:52 Wed 22-Dec-10	Sample	G0L200000-529 BLK
354529	MCKEN	13:09:36 Wed 22-Dec-10	Sample	G0L180469-1
354529	MCKENP5	13:13:20 Wed 22-Dec-10	Sample	G0L180469-1 5X
354529	MCKENX	13:17:04 Wed 22-Dec-10	Sample	G0L180469-1 DU
354529	MCKENZ	13:20:49 Wed 22-Dec-10	Sample	G0L180469-1 PS
	CCV 5	13:24:39 Wed 22-Dec-10	Sample	
	CCB 5	13:28:29 Wed 22-Dec-10	Sample	
	CCV 6	13:32:19 Wed 22-Dec-10	Sample	
	CCB 6	13:36:08 Wed 22-Dec-10	Sample	
354529	MCKEP	13:39:54 Wed 22-Dec-10	Sample	G0L180469-2
354529	MCKEQ	13:43:39 Wed 22-Dec-10	Sample	G0L180469-3
354529	MCKER	13:47:22 Wed 22-Dec-10	Sample	G0L180469-4
354529	MCKET	13:51:03 Wed 22-Dec-10	Sample	G0L180469-5

354529	MCK3R	13:54:44 Wed 22-Dec-10	Sample	G0L200450-1
354529	MCK34	13:58:25 Wed 22-Dec-10	Sample	G0L200450-2
354529	MCK35	14:02:07 Wed 22-Dec-10	Sample	G0L200450-3
354529	MCK37	14:05:49 Wed 22-Dec-10	Sample	G0L200450-4
354529	MCK4C	14:09:31 Wed 22-Dec-10	Sample	G0L200450-5
	CCV 7	14:13:20 Wed 22-Dec-10	Sample	
	CCB 7	14:17:10 Wed 22-Dec-10	Sample	
	CCV 8	14:21:00 Wed 22-Dec-10	Sample	
	CCB 8	14:23:43 Wed 22-Dec-10	Sample	> cut down method
	CCV 9	14:26:25 Wed 22-Dec-10	Sample	
	CCB 9	14:29:08 Wed 22-Dec-10	Sample	
355365	MCG65	14:31:45 Wed 22-Dec-10	Sample	G0L170472-3
355365	MCG65P5	14:34:21 Wed 22-Dec-10	Sample	G0L170472-3 5X
355365	MCG65Z	14:44:26 Wed 22-Dec-10	Sample	G0L170472-3 PS
355365	MCG7E	14:47:03 Wed 22-Dec-10	Sample	G0L170472-5
355365	MCG7R	14:49:40 Wed 22-Dec-10	Sample	G0L170472-9
355365	MCG75	14:52:18 Wed 22-Dec-10	Sample	G0L170472-12
355365	MCG8C	14:54:56 Wed 22-Dec-10	Sample	G0L170472-15
355365	MCG8M	14:57:34 Wed 22-Dec-10	Sample	G0L170472-18
	CCV 10	15:00:17 Wed 22-Dec-10	Sample	
	CCB 10	15:03:00 Wed 22-Dec-10	Sample	
	CCV 11	15:05:42 Wed 22-Dec-10	Sample	
	CCB 11 >Recal	15:09:31 Wed 22-Dec-10	Sample	> change method
	CCV 12	15:13:21 Wed 22-Dec-10	Sample	
	CCB 12	15:17:11 Wed 22-Dec-10	Sample	
351287	MCHWXB	15:20:56 Wed 22-Dec-10	Sample	G0L170000-287 BLK
351287	MCHWXC	15:24:39 Wed 22-Dec-10	Sample	G0L170000-287 LCS } reference only
351287	MCHWXL	15:28:20 Wed 22-Dec-10	Sample	G0L170000-287 LCSD
351287	MCG43	15:32:04 Wed 22-Dec-10	Sample	G0L170458-1
351287	MCG43P5	15:35:50 Wed 22-Dec-10	Sample	G0L170458-1 5X
351287	MCG43X	15:39:34 Wed 22-Dec-10	Sample	G0L170458-1 DU
351287	MCG43Z	15:43:14 Wed 22-Dec-10	Sample	G0L170458-1 PS
	CCV 13	15:47:01 Wed 22-Dec-10	Sample	
	CCB 13	15:50:50 Wed 22-Dec-10	Sample	
351287	MCG48	15:54:33 Wed 22-Dec-10	Sample	G0L170458-2
351287	MCG5C	15:58:14 Wed 22-Dec-10	Sample	G0L170458-3
351287	MCG5F	16:01:55 Wed 22-Dec-10	Sample	G0L170458-4
351287	MCG5H	16:05:38 Wed 22-Dec-10	Sample	G0L170458-5
	CCV 14	16:09:28 Wed 22-Dec-10	Sample	
	CCB 14	16:13:18 Wed 22-Dec-10	Sample	

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	12/22/10 10:36		☐
2	Blank				1.0	12/22/10 10:40		☐
3	Standard1				1.0	12/22/10 10:44		☐
4	ICV				1.0	12/22/10 10:48		☐
5	ICB				1.0	12/22/10 10:52		☐
6	LLSTD1 10X				10.0	12/22/10 10:59		☐
7	LLSTD1 5X				5.0	12/22/10 11:03		☐
8	ICSA				1.0	12/22/10 11:06		☐
9	ICSAB				1.0	12/22/10 11:10		☐
10	Rinse				1.0	12/22/10 11:17		☐
11	CCV 1				1.0	12/22/10 11:25		☐
12	CCB 1				1.0	12/22/10 11:28		☐
15	CCV 2				1.0	12/22/10 11:38		☐
16	CCB 2				1.0	12/22/10 11:41		☐
17	MCM32C	G0L210000	0355379	2A	1.0	12/22/10 11:45		☐
18	MCM32L	G0L210000	0355379	2A	1.0	12/22/10 11:49		☐
19	Rinse				1.0	12/22/10 11:53		☐
20	MCM32B	G0L210000	0355379	2A	1.0	12/22/10 12:00		☐
21	MCMD9	G0L210459-1	0355379	2A	1.0	12/22/10 12:04		☐
22	MCMD9P5	G0L210459	0355379		5.0	12/22/10 12:07		☐
23	MCMD9X	G0L210459-1	0355379	2A	1.0	12/22/10 12:11		☐
24	MCMD9Z	G0L210459-1	0355379		1.0	12/22/10 12:17		☐
25	MCMED	G0L210459-2	0355379	2A	1.0	12/22/10 12:20		☐
26	MCMEE	G0L210459-3	0355379	2A	1.0	12/22/10 12:24		☐
27	CCV 3				1.0	12/22/10 12:28		☐
28	CCB 3				1.0	12/22/10 12:32		☐
29	CCV 4				1.0	12/22/10 12:35		☐
30	CCB 4				1.0	12/22/10 12:39		☐
31	MCMEF	G0L210459-4	0355379	2A	1.0	12/22/10 12:43		☐
32	MCMEG	G0L210459-5	0355379	2A	1.0	12/22/10 12:47		☐
33	MCLTGC	G0L200000	0354529	2A	1.0	12/22/10 12:50		☐
34	MCLTGL	G0L200000	0354529	2A	1.0	12/22/10 12:54		☐
35	Rinse				1.0	12/22/10 12:58		☐
36	MCLTGB	G0L200000	0354529	2A	1.0	12/22/10 13:05		☐
37	MCKEN	G0L180469-1	0354529	2A	1.0	12/22/10 13:09		☐
38	MCKENP5	G0L180469	0354529		5.0	12/22/10 13:13		☐
39	MCKENX	G0L180469-1	0354529	2A	1.0	12/22/10 13:17		☐
40	MCKENZ	G0L180469-1	0354529		1.0	12/22/10 13:20		☐
41	CCV 5				1.0	12/22/10 13:24		☐
42	CCB 5				1.0	12/22/10 13:28		☐
43	CCV 6				1.0	12/22/10 13:32		☐
44	CCB 6				1.0	12/22/10 13:36		☐
45	MCKEP	G0L180469-2	0354529	2A	1.0	12/22/10 13:39		☐
46	MCKEQ	G0L180469-3	0354529	2A	1.0	12/22/10 13:43		☐
47	MCKER	G0L180469-4	0354529	2A	1.0	12/22/10 13:47		☐
48	MCKET	G0L180469-5	0354529	2A	1.0	12/22/10 13:51		☐

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	MCK3R	G0L200450-1	0354529	2A	1.0	12/22/10 13:54		☐
50	MCK34	G0L200450-2	0354529	2A	1.0	12/22/10 13:58		☐
51	MCK35	G0L200450-3	0354529	2A	1.0	12/22/10 14:02		☐
52	MCK37	G0L200450-4	0354529	2A	1.0	12/22/10 14:05		☐
53	MCK4C	G0L200450-5	0354529	2A	1.0	12/22/10 14:09		☐
54	CCV 7				1.0	12/22/10 14:13		☐
55	CCB 7				1.0	12/22/10 14:17		☐
56	CCV 8				1.0	12/22/10 14:21		☐
57	CCB 8				1.0	12/22/10 14:23		☐
58	CCV 9				1.0	12/22/10 14:26		☐
59	CCB 9				1.0	12/22/10 14:29		☐
60	MCG65	G0L170472-3	0355365	2A	1.0	12/22/10 14:31		☐
61	MCG65P5	G0L170472	0355365		5.0	12/22/10 14:34		☐
62	MCG65Z	G0L170472-3	0355365		1.0	12/22/10 14:44		☐
63	MCG7E	G0L170472-5	0355365	2A	1.0	12/22/10 14:47		☐
64	MCG7R	G0L170472-9	0355365	2A	1.0	12/22/10 14:49		☐
65	MCG75	G0L170472-12	0355365	2A	1.0	12/22/10 14:52		☐
66	MCG8C	G0L170472-15	0355365	2A	1.0	12/22/10 14:54		☐
67	MCG8M	G0L170472-18	0355365	2A	1.0	12/22/10 14:57		☐
68	CCV 10				1.0	12/22/10 15:00		☐
69	CCB 10				1.0	12/22/10 15:03		☐
70	CCV 11				1.0	12/22/10 15:05		☐
71	CCB 11				1.0	12/22/10 15:09		☐
74	CCV 12				1.0	12/22/10 15:13		☐
75	CCB 12				1.0	12/22/10 15:17		☐
76	MCHWXB	G0L170000	0351287		1.0	12/22/10 15:20		☐
77	MCHWXC	G0L170000	0351287		1.0	12/22/10 15:24		☐
78	MCHWXL	G0L170000	0351287		1.0	12/22/10 15:28		☐
79	MCG43	G0L170458-1	0351287	2A	1.0	12/22/10 15:32		☐
80	MCG43P5	G0L170458	0351287		5.0	12/22/10 15:35		☐
81	MCG43X	G0L170458-1	0351287	2A	1.0	12/22/10 15:39		☐
82	MCG43Z	G0L170458-1	0351287		1.0	12/22/10 15:43		☐
83	CCV 13				1.0	12/22/10 15:47		☐
84	CCB 13				1.0	12/22/10 15:50		☐
85	MCG48	G0L170458-2	0351287	2A	1.0	12/22/10 15:54		☐
86	MCG5C	G0L170458-3	0351287	2A	1.0	12/22/10 15:58		☐
87	MCG5F	G0L170458-4	0351287	2A	1.0	12/22/10 16:01		☐
88	MCG5H	G0L170458-5	0351287	2A	1.0	12/22/10 16:05		☐
89	CCV 14				1.0	12/22/10 16:09		☐
90	CCB 14				1.0	12/22/10 16:13		☐

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst:** hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/22/10 10:36	102.5	102.1	104.0	103.5	☐
2	Blank	12/22/10 10:40	100.0	100.0	100.0	100.0	☑
3	Standard1	12/22/10 10:44	99.9	98.9	106.7	99.2	☑
4	ICV	12/22/10 10:48	99.2	98.6	107.0	98.8	☑
5	ICB	12/22/10 10:52	96.7	96.6	100.6	97.2	☑
6	LLSTD1 10X	12/22/10 10:59	99.0	98.0	102.8	97.9	☑
7	LLSTD1 5X	12/22/10 11:03	106.1	104.8	116.1	106.9	☑
8	ICSA	12/22/10 11:06	93.3	90.9	100.8	81.4	☑
9	ICSAB	12/22/10 11:10	93.9	90.8	102.9	81.6	☑
10	Rinse	12/22/10 11:17	106.2	102.5	115.8	103.6	☑
11	CCV 1	12/22/10 11:25	104.7	98.7	116.4	100.4	☑
12	CCB 1	12/22/10 11:28	106.1	100.5	116.8	102.4	☑
15	CCV 2	12/22/10 11:38	101.1	98.5	104.8	99.5	☑
16	CCB 2	12/22/10 11:41	100.9	99.7	101.8	100.0	☑
17	MCM32C	12/22/10 11:45	96.3	97.7	103.7	100.0	☑
18	MCM32L	12/22/10 11:49	97.0	98.2	106.0	101.2	☑
19	Rinse	12/22/10 11:53	97.9	97.7	106.3	101.6	☑
20	MCM32B	12/22/10 12:00	99.7	100.8	105.3	103.8	☑
21	MCMD9	12/22/10 12:04	100.5	100.6	107.4	103.3	☑
22	MCMD9P5	12/22/10 12:07	102.5	99.7	110.4	102.7	☐
23	MCMD9X	12/22/10 12:11	102.1	101.0	108.0	103.4	☑
24	MCMD9Z	12/22/10 12:17	98.7	98.3	110.3	101.7	☑
25	MCMED	12/22/10 12:20	99.0	99.3	108.5	103.2	☑
26	MCMEE	12/22/10 12:24	100.9	100.1	109.7	103.0	☑
27	CCV 3	12/22/10 12:28	99.9	97.1	110.1	98.9	☑
28	CCB 3	12/22/10 12:32	100.0	97.3	108.0	99.8	☑
29	CCV 4	12/22/10 12:35	98.8	95.4	108.4	97.6	☑
30	CCB 4	12/22/10 12:39	101.6	98.5	111.7	102.1	☑
31	MCMEF	12/22/10 12:43	100.3	98.1	105.1	99.9	☑
32	MCMEG	12/22/10 12:47	102.4	101.4	109.2	103.8	☑
33	MCLTGC	12/22/10 12:50	97.7	97.5	108.5	100.1	☑
34	MCLTGL	12/22/10 12:54	95.1	95.1	108.6	99.3	☑
35	Rinse	12/22/10 12:58	96.8	95.5	110.2	100.2	☑
36	MCLTGB	12/22/10 13:05	99.7	99.1	110.9	103.6	☑
37	MCKEN	12/22/10 13:09	100.2	99.3	109.2	101.9	☑
38	MCKENP5	12/22/10 13:13	102.2	97.0	110.4	99.5	☐
39	MCKENX	12/22/10 13:17	104.5	101.8	111.9	103.5	☑
40	MCKENZ	12/22/10 13:20	98.4	97.5	109.7	99.4	☑
41	CCV 5	12/22/10 13:24	98.1	95.6	112.9	98.4	☑
42	CCB 5	12/22/10 13:28	99.0	95.5	110.4	99.7	☑
43	CCV 6	12/22/10 13:32	96.7	92.9	109.0	95.8	☑
44	CCB 6	12/22/10 13:36	97.6	94.8	107.5	97.5	☑
45	MCKEP	12/22/10 13:39	99.4	96.7	105.2	97.8	☑
46	MCKEQ	12/22/10 13:43	100.8	97.0	105.8	98.8	☑
47	MCKER	12/22/10 13:47	101.6	98.3	107.9	99.7	☑
48	MCKET	12/22/10 13:51	102.5	100.6	107.8	102.1	☑

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) | M01 (M01) | Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst:** hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	MCK3R	12/22/10 13:54	103.3	100.3	108.6	101.2	☑
50	MCK34	12/22/10 13:58	102.9	99.2	109.0	100.2	☑
51	MCK35	12/22/10 14:02	103.0	98.3	107.8	98.4	☑
52	MCK37	12/22/10 14:05	102.6	99.2	111.0	100.8	☑
53	MCK4C	12/22/10 14:09	106.2	103.9	114.8	106.5	☑
54	CCV 7	12/22/10 14:13	100.1	95.8	114.2	98.1	☑
55	CCB 7	12/22/10 14:17	99.7	95.7	112.8	98.3	☑
56	CCV 8	12/22/10 14:21	100.2				☑
57	CCB 8	12/22/10 14:23	103.5				☑
58	CCV 9	12/22/10 14:26	103.4				☑
59	CCB 9	12/22/10 14:29	107.2				☑
60	MCG65	12/22/10 14:31	103.2				☑
61	MCG65P5	12/22/10 14:34	107.6				☐
62	MCG65Z	12/22/10 14:44	101.8				☑
63	MCG7E	12/22/10 14:47	100.9				☑
64	MCG7R	12/22/10 14:49	100.0				☑
65	MCG75	12/22/10 14:52	102.2				☑
66	MCG8C	12/22/10 14:54	105.5				☑
67	MCG8M	12/22/10 14:57	106.4				☑
68	CCV 10	12/22/10 15:00	106.4				☑
69	CCB 10	12/22/10 15:03	107.6				☑
70	CCV 11	12/22/10 15:05	100.8	96.3	120.4	98.9	☑
71	CCB 11	12/22/10 15:09	103.2	100.1	122.8	104.3	☑
74	CCV 12	12/22/10 15:13	96.4	95.3	96.0	94.4	☑
75	CCB 12	12/22/10 15:17	99.7	98.9	98.9	99.5	☑
76	MCHWXB	12/22/10 15:20	98.7	99.1	92.9	98.1	☑
77	MCHWXC	12/22/10 15:24	96.3	99.0	97.9	98.2	☑
78	MCHWXL	12/22/10 15:28	91.6	93.5	92.6	94.4	☑
79	MCG43	12/22/10 15:32	93.4	94.4	92.7	94.8	☑
80	MCG43P5	12/22/10 15:35	96.3	94.9	94.7	95.3	☐
81	MCG43X	12/22/10 15:39	97.5	97.7	92.1	96.5	☑
82	MCG43Z	12/22/10 15:43	94.3	95.3	93.5	94.4	☑
83	CCV 13	12/22/10 15:47	92.8	91.9	94.5	91.6	☑
84	CCB 13	12/22/10 15:50	96.3	96.2	97.3	96.8	☑
85	MCG48	12/22/10 15:54	95.7	95.3	91.5	93.8	☑
86	MCG5C	12/22/10 15:58	96.5	95.6	89.8	92.6	☑
87	MCG5F	12/22/10 16:01	96.7	97.2	92.2	94.5	☑
88	MCG5H	12/22/10 16:05	98.8	99.0	93.3	98.2	☑
89	CCV 14	12/22/10 16:09	95.5	92.7	91.9	91.2	☑
90	CCB 14	12/22/10 16:13	95.6	92.9	89.8	91.6	☑

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

Report Date/Time: Thursday, December 23, 2010 07:29:17
Page 1

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				
207.97	207.977	Linear Thru Zero	ug/L	ug/L	100			
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100			
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100			
Tm	168.934	Linear Thru Zero	ug/L	ug/L				

TAL-W. 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: **101222A1**

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Wednesday, December 22, 2010 10:06:16

Sample ID: DAILY SHARGRAVE

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.077	1578	0.706	2042	
Be	9.012	9.079	2068	0.703	2034	
Mg	23.985	24.028	5723	0.758	1965	
Co	58.933	58.928	14281	0.735	1882	
In	114.904	114.878	27953	0.723	1839	
Ce	139.905	139.928	34037	0.729	1877	
Tl	204.975	204.979	49747	0.729	2089	
Pb	207.977	207.979	50472	0.723	2104	
U	238.050	238.026	57706	0.717	2266	

Report Date/Time: Wednesday, December 22, 2010 10:08:06

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Elan 6000 Instrument Optomization Report

File Name default.dac
Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Wednesday, December 22, 2010 10:06:16
Sample ID: DAILY 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:	10:12:21 Wed 22-Dec-10
Sample Filename:	AUTOLENS BVOTAW.004
Dataset Pathname:	101222a1\
Lens Voltage Start:	4.00 V
Lens Voltage End:	10.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0166
Intercept:	6.5744

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	6.8 V	6341 cps	25
Co	58.933	7.5 V	255771 cps	25
In	114.904	8.5 V	478645 cps	25

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

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 BVOTAW
Sample Date/Time: Wednesday, December 22, 2010 10:16:19
Sample Description:
Sample File: C:\elandata\Sample\0354256X.sam
Method File: C:\elandata\Method\000-DAILY_EPA.mth
Dataset File: C:\elandata\Dataset\101222a1\DAILY BVOTAW.005
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	74295.807	697.853	0.939
	Rh	103	350056.184	1658.579	0.474
	Pb	208	208893.664	1158.422	0.555
⌈>	Ba	138	363482.169	3036.989	0.836
⌊	Ba++	69	0.030	0.001	2.151
⌈>	Ce	140	455023.650	1725.011	0.379
⌊	CeO	156	0.029	0.001	4.250
	Bkgd	220	5.429	3.698	68.117
	Li	7	10932.284	62.688	0.573
	Be	9	4187.822	91.300	2.180
	Co	59	179853.956	2530.266	1.407
	In	115	467609.293	2101.431	0.449
	Tl	205	290015.478	1647.795	0.568

Sample ID: Rinse 2X
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:36:45
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\Rinse 2X.006
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			1624602.066	ug/L	0.000
>	6	Li-1			446923.310	ug/L	0.000
	9	Be			6.000	ug/L	0.000
	44	Ca			47630.314	ug/L	0.000
	52	Cr			41547.281	ug/L	0.000
	55	Mn			19250.418	ug/L	0.000
	60	Ni			1503.573	ug/L	0.000
	65	Cu			350.361	ug/L	0.000
	68	Zn			2642.818	ug/L	0.000
	75	As			16207.619	ug/L	0.000
>	72	Ge-1			1493129.732	ug/L	0.000
	111	Cd			63.333	ug/L	0.000
	121	Sb			224.671	ug/L	0.000
	135	Ba			172.002	ug/L	0.000
>	115	In-1			1385015.701	ug/L	0.000
	208	Pb			1505.402	ug/L	0.000
>	169	Tm-1			917832.805	ug/L	0.000
	50	Cr			-335.566	ug/L	0.000
	53	Cr			59221.843	ug/L	0.000
	61	Ni			2711.285	ug/L	0.000
	63	Cu			286.685	ug/L	0.000
	67	Zn			3788.834	ug/L	0.000
	66	Zn			952.867	ug/L	0.000
>	72	Ge			1493129.732	ug/L	0.000
	108	Cd			6.162	ug/L	0.000
	114	Cd			105.583	ug/L	0.000
>	115	In			1385015.701	ug/L	0.000
	208	207.977			778.381	ug/L	0.000
	207	Pb			324.008	ug/L	0.000
	206	Pb			403.013	ug/L	0.000
>	169	Tm			917832.805	ug/L	0.000

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	

L	Be	9
⌈	Ca	44
|	Cr	52
|	Mn	55
|	Ni	60
|	Cu	65
|	Zn	68
|	As	75
L>	Ge-1	72
⌈	Cd	111
|	Sb	121
|	Ba	135
L>	In-1	115
⌈	Pb	208
L>	Tm-1	169
⌈	Cr	50
|	Cr	53
|	Ni	61
|	Cu	63
|	Zn	67
|	Zn	66
L>	Ge	72
⌈	Cd	108
|	Cd	114
L>	In	115
⌈	207.977	208
|	Pb	207
|	Pb	206
L>	Tm	169

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:40:51
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\Blank.007
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			1546253.604	ug/L	
>	6	Li-1			429538.918	ug/L	
	9	Be			4.667	ug/L	
	44	Ca			44019.410	ug/L	
	52	Cr			38268.299	ug/L	
	55	Mn			2883.987	ug/L	
	60	Ni			243.040	ug/L	
	65	Cu			132.633	ug/L	
	68	Zn			862.966	ug/L	
	75	As			15830.754	ug/L	
>	72	Ge-1			1456522.327	ug/L	
	111	Cd			27.366	ug/L	
	121	Sb			75.000	ug/L	
	135	Ba			60.334	ug/L	
>	115	In-1			1356562.850	ug/L	
	208	Pb			1187.043	ug/L	
>	169	Tm-1			886596.115	ug/L	
	50	Cr			-329.926	ug/L	
	53	Cr			55264.674	ug/L	
	61	Ni			2550.102	ug/L	
	63	Cu			104.336	ug/L	
	67	Zn			3095.113	ug/L	
	66	Zn			152.338	ug/L	
>	72	Ge			1456522.327	ug/L	
	108	Cd			3.224	ug/L	
	114	Cd			51.966	ug/L	
>	115	In			1356562.850	ug/L	
	208	207.977			611.029	ug/L	
	207	Pb			261.339	ug/L	
	206	Pb			314.674	ug/L	
>	169	Tm			886596.115	ug/L	

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	

L	Be	9
⌈	Ca	44
¦	Cr	52
¦	Mn	55
¦	Ni	60
¦	Cu	65
¦	Zn	68
¦	As	75
L>	Ge-1	72
⌈	Cd	111
¦	Sb	121
¦	Ba	135
L>	In-1	115
⌈	Pb	208
L>	Tm-1	169
⌈	Cr	50
¦	Cr	53
¦	Ni	61
¦	Cu	63
¦	Zn	67
¦	Zn	66
L>	Ge	72
⌈	Cd	108
¦	Cd	114
L>	In	115
⌈	207.977	208
¦	Pb	207
¦	Pb	206
L>	Tm	169

Sample ID: Standard 1
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:44:51
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\Standard 1.008
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			1552540.522	ug/L	1546253.604
>	6	Li-1			458149.822	ug/L	429538.918
	9	Be	100.000000	3.563	31683.346	ug/L	4.667
	44	Ca	5100.000000	0.226	1781464.669	ug/L	44019.410
	52	Cr	100.000000	0.563	1254911.638	ug/L	38268.299
	55	Mn	100.000000	0.138	1987010.749	ug/L	2883.987
	60	Ni	100.000000	0.519	325505.018	ug/L	243.040
	65	Cu	100.000000	0.726	317941.556	ug/L	132.633
	68	Zn	100.000000	1.077	112767.302	ug/L	862.966
	75	As	100.000000	1.188	310085.176	ug/L	15830.754
>	72	Ge-1			1455391.413	ug/L	1456522.327
	111	Cd	100.000000	1.250	256937.203	ug/L	27.366
	121	Sb	50.000000	1.410	420160.151	ug/L	75.000
	135	Ba	100.000000	0.623	240170.413	ug/L	60.334
>	115	In-1			1341323.966	ug/L	1356562.850
	208	Pb	100.000000	1.766	2726464.137	ug/L	1187.043
>	169	Tm-1			879585.297	ug/L	886596.115
	50	Cr	100.000000	2.297	27701.711	ug/L	-329.926
	53	Cr	100.000000	3.721	103969.221	ug/L	55264.674
	61	Ni	100.000000	0.870	7800.034	ug/L	2550.102
	63	Cu	100.000000	0.764	242352.018	ug/L	104.336
	67	Zn	100.000000	1.531	13442.663	ug/L	3095.113
	66	Zn	100.000000	0.852	59233.353	ug/L	152.338
>	72	Ge			1455391.413	ug/L	1456522.327
	108	Cd	100.000000	1.812	18212.928	ug/L	3.224
	114	Cd	100.000000	0.661	604556.015	ug/L	51.966
>	115	In			1341323.966	ug/L	1356562.850
	208	207.977	100.000000	2.242	1394282.475	ug/L	611.029
	207	Pb	100.000000	1.198	572940.390	ug/L	261.339
	206	Pb	100.000000	1.344	759241.272	ug/L	314.674
>	169	Tm			879585.297	ug/L	886596.115

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

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:48:35
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\ICV .009
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			1560025.730	ug/L	1546253.604
[>	6	Li-1			459535.691	ug/L	429538.918
[	9	Be	80.551729	0.351	25625.201	ug/L	4.667
[	44	Ca	886.493866	0.937	343624.744	ug/L	44019.410
[	52	Cr	82.178138	0.596	1030892.391	ug/L	38268.299
[	55	Mn	80.855783	0.963	1596180.204	ug/L	2883.987
[	60	Ni	81.477073	0.913	263465.264	ug/L	243.040
[	65	Cu	81.546118	0.825	257543.280	ug/L	132.633
[	68	Zn	81.432700	0.679	91360.210	ug/L	862.966
[	75	As	79.614657	1.131	248352.622	ug/L	15830.754
[>	72	Ge-1			1445241.697	ug/L	1456522.327
[	111	Cd	80.131674	0.559	205237.874	ug/L	27.366
[	121	Sb	39.335340	0.729	329526.607	ug/L	75.000
[	135	Ba	80.236134	0.417	192094.291	ug/L	60.334
[>	115	In-1			1336963.477	ug/L	1356562.850
[	208	Pb	82.699854	0.879	2246640.977	ug/L	1187.043
[>	169	Tm-1			876205.024	ug/L	886596.115
[	50	Cr	70.557836	1.112	19316.578	ug/L	-329.926
[	53	Cr	82.016595	5.159	94550.372	ug/L	55264.674
[	61	Ni	77.751379	3.728	6587.549	ug/L	2550.102
[	63	Cu	81.074859	0.501	195156.705	ug/L	104.336
[	67	Zn	82.219237	0.612	11520.813	ug/L	3095.113
[	66	Zn	81.391972	0.693	47912.797	ug/L	152.338
[>	72	Ge			1445241.697	ug/L	1456522.327
[	108	Cd	77.096564	0.545	14000.497	ug/L	3.224
[	114	Cd	80.532070	0.787	485373.077	ug/L	51.966
[>	115	In			1336963.477	ug/L	1356562.850
[	208	207.977	85.085780	0.866	1182134.591	ug/L	611.029
[	207	Pb	86.458197	1.232	493490.372	ug/L	261.339
[	206	Pb	75.481794	0.660	571016.013	ug/L	314.674
[>	169	Tm			876205.024	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	106.983

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	99.226	
Cd	111		
Sb	121		
Ba	135		
In-1	115	98.555	
Pb	208		
Tm-1	169	98.828	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	99.226	
Cd	108		
Cd	114		
In	115	98.555	
207.977	208		
Pb	207		
Pb	206		
Tm	169	98.828	

Sample ID: ICB
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:52:24
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\ICB.010
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			1519152.554	ug/L	1546253.604
⌈>	6	Li-1			432312.780	ug/L	429538.918
⌊	9	Be	-0.002395	119.958	4.000	ug/L	4.667
⌈	44	Ca	7.664813	8.692	45075.781	ug/L	44019.410
|	52	Cr	0.481771	15.817	42664.978	ug/L	38268.299
|	55	Mn	-0.008414	79.550	2626.877	ug/L	2883.987
|	60	Ni	-0.001126	999.314	231.702	ug/L	243.040
|	65	Cu	-0.002700	178.934	120.031	ug/L	132.633
|	68	Zn	0.054766	148.209	893.833	ug/L	862.966
|	75	As	0.220500	20.487	15928.567	ug/L	15830.754
⌊>	72	Ge-1			1407845.503	ug/L	1456522.327
⌈	111	Cd	0.005708	110.990	40.915	ug/L	27.366
|	121	Sb	0.075817	15.052	695.705	ug/L	75.000
|	135	Ba	0.001604	340.848	62.000	ug/L	60.334
⌊>	115	In-1			1310125.603	ug/L	1356562.850
⌈	208	Pb	0.004110	40.260	1264.049	ug/L	1187.043
⌊>	169	Tm-1			861970.320	ug/L	886596.115
⌈	50	Cr	-0.116466	66.586	-350.677	ug/L	-329.926
|	53	Cr	-1.472766	226.312	52737.256	ug/L	55264.674
|	61	Ni	-4.113832	46.221	2256.789	ug/L	2550.102
|	63	Cu	-0.000574	1329.448	99.669	ug/L	104.336
|	67	Zn	2.102333	100.420	3203.599	ug/L	3095.113
|	66	Zn	0.007808	224.488	151.672	ug/L	152.338
⌊>	72	Ge			1407845.503	ug/L	1456522.327
⌈	108	Cd	0.026179	105.039	7.767	ug/L	3.224
|	114	Cd	0.007714	17.715	95.811	ug/L	51.966
⌊>	115	In			1310125.603	ug/L	1356562.850
⌈	208	207.977	0.005261	36.966	666.035	ug/L	611.029
|	207	Pb	0.001808	271.499	264.339	ug/L	261.339
|	206	Pb	0.003733	34.207	333.675	ug/L	314.674
⌊>	169	Tm			861970.320	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
⌈>	Li-1	6	100.646

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	96.658
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	96.577
⌈	Pb	208	
⌊>	Tm-1	169	97.222
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	96.658
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	96.577
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	97.222

Sample ID: LLSTD1 10X
Sample Description: LLSTD@10X
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 10:59:18
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\LLSTD1 10X.011
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			1556414.446	ug/L	1546253.604
>	6	Li-1			441693.767	ug/L	429538.918
	9	Be	0.983054	3.662	305.007	ug/L	4.667
	44	Ca	61.267612	3.822	64229.555	ug/L	44019.410
	52	Cr	1.656781	5.457	57852.387	ug/L	38268.299
	55	Mn	1.045409	2.494	23394.937	ug/L	2883.987
	60	Ni	1.079372	3.425	3718.120	ug/L	243.040
	65	Cu	1.053298	3.321	3445.821	ug/L	132.633
	68	Zn	5.926753	0.306	7423.785	ug/L	862.966
	75	As	0.969740	10.694	18493.144	ug/L	15830.754
>	72	Ge-1			1441506.829	ug/L	1456522.327
	111	Cd	1.002432	3.369	2579.659	ug/L	27.366
	121	Sb	0.514602	1.754	4360.494	ug/L	75.000
	135	Ba	1.026748	1.970	2502.825	ug/L	60.334
>	115	In-1			1329579.077	ug/L	1356562.850
	208	Pb	1.035485	1.402	29027.522	ug/L	1187.043
>	169	Tm-1			868381.435	ug/L	886596.115
	50	Cr	1.177846	19.695	0.766	ug/L	-329.926
	53	Cr	10.884543	22.110	59964.280	ug/L	55264.674
	61	Ni	-2.662183	27.271	2384.917	ug/L	2550.102
	63	Cu	1.068407	1.653	2666.230	ug/L	104.336
	67	Zn	10.937987	23.637	4187.873	ug/L	3095.113
	66	Zn	5.710994	2.522	3492.683	ug/L	152.338
>	72	Ge			1441506.829	ug/L	1456522.327
	108	Cd	0.985600	3.310	181.092	ug/L	3.224
	114	Cd	1.020597	2.407	6167.142	ug/L	51.966
>	115	In			1329579.077	ug/L	1356562.850
	208	207.977	1.070261	1.753	15327.103	ug/L	611.029
	207	Pb	1.069062	1.583	6301.787	ug/L	261.339
	206	Pb	0.946278	1.661	7398.632	ug/L	314.674
>	169	Tm			868381.435	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.830

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	98.969	
Cd	111		
Sb	121		
Ba	135		
In-1	115	98.011	
Pb	208		
Tm-1	169	97.946	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	98.969	
Cd	108		
Cd	114		
In	115	98.011	
207.977	208		
Pb	207		
Pb	206		
Tm	169	97.946	

Sample ID: LLSTD1 5X
Sample Description: LLSTD@5X
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:03:03
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\LLSTD1 5X.012
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 84
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			1686371.449	ug/L	1546253.604
>	6	Li-1			498774.217	ug/L	429538.918
	9	Be	1.982383	8.291	689.704	ug/L	4.667
	44	Ca	99.721564	1.331	82768.958	ug/L	44019.410
	52	Cr	2.575257	2.407	73867.110	ug/L	38268.299
	55	Mn	2.080388	0.397	46880.736	ug/L	2883.987
	60	Ni	2.080522	2.077	7441.041	ug/L	243.040
	65	Cu	2.071714	1.151	7130.656	ug/L	132.633
	68	Zn	11.037958	1.901	14030.218	ug/L	862.966
	75	As	1.632286	18.272	21884.332	ug/L	15830.754
>	72	Ge-1			1545123.270	ug/L	1456522.327
	111	Cd	2.044336	1.354	5595.410	ug/L	27.366
	121	Sb	1.006085	1.986	9037.413	ug/L	75.000
	135	Ba	1.993496	0.379	5136.406	ug/L	60.334
>	115	In-1			1421535.827	ug/L	1356562.850
	208	Pb	2.036980	1.287	61115.184	ug/L	1187.043
>	169	Tm-1			948080.792	ug/L	886596.115
	50	Cr	2.897896	16.534	513.913	ug/L	-329.926
	53	Cr	10.809091	21.453	64231.042	ug/L	55264.674
	61	Ni	3.601144	61.140	2906.193	ug/L	2550.102
	63	Cu	2.123723	1.741	5571.822	ug/L	104.336
	67	Zn	14.854142	3.988	4915.981	ug/L	3095.113
	66	Zn	10.675197	1.566	6858.336	ug/L	152.338
>	72	Ge			1545123.270	ug/L	1456522.327
	108	Cd	2.057158	2.765	400.584	ug/L	3.224
	114	Cd	2.037815	0.880	13110.193	ug/L	51.966
>	115	In			1421535.827	ug/L	1356562.850
	208	207.977	2.113642	1.714	32410.660	ug/L	611.029
	207	Pb	2.101293	0.673	13252.453	ug/L	261.339
	206	Pb	1.847649	1.334	15452.071	ug/L	314.674
>	169	Tm			948080.792	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	116.119

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	106.083
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	104.790
⌈	Pb	208	
⌊>	Tm-1	169	106.935
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	106.083
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	104.790
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	106.935

Sample ID: ICSA
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:06:15
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\ICSA .013
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			1446007.625	ug/L	1546253.604
[>	6	Li-1			432769.140	ug/L	429538.918
[	9	Be	-0.004546	155.040	3.333	ug/L	4.667
[	44	Ca	98650.075498	0.299	31408606.463	ug/L	44019.410
[	52	Cr	3.344612	0.775	73668.658	ug/L	38268.299
[	55	Mn	6.647777	0.947	125797.320	ug/L	2883.987
[	60	Ni	2.086727	4.931	6564.098	ug/L	243.040
[	65	Cu	-0.075313	158.624	-97.429	ug/L	132.633
[	68	Zn	1.247675	3.879	2108.430	ug/L	862.966
[	75	As	0.991131	10.178	17488.468	ug/L	15830.754
[>	72	Ge-1			1358390.133	ug/L	1456522.327
[	111	Cd	1.011636	9.465	2413.833	ug/L	27.366
[	121	Sb	0.191743	1.848	1549.189	ug/L	75.000
[	135	Ba	2.642100	0.529	5886.055	ug/L	60.334
[>	115	In-1			1232752.215	ug/L	1356562.850
[	208	Pb	0.421703	1.579	10401.980	ug/L	1187.043
[>	169	Tm-1			721997.588	ug/L	886596.115
[	50	Cr	115.581239	12.138	29913.083	ug/L	-329.926
[	53	Cr	-33.128403	10.249	36485.388	ug/L	55264.674
[	61	Ni	26.119093	20.144	3660.291	ug/L	2550.102
[	63	Cu	3.377366	3.350	7734.149	ug/L	104.336
[	67	Zn	11.244710	20.621	3974.149	ug/L	3095.113
[	66	Zn	6.248112	4.118	3588.836	ug/L	152.338
[>	72	Ge			1358390.133	ug/L	1456522.327
[	108	Cd	67.234950	3.642	11260.836	ug/L	3.224
[	114	Cd	4.348418	3.508	24213.841	ug/L	51.966
[>	115	In			1232752.215	ug/L	1356562.850
[	208	207.977	0.434807	1.461	5473.019	ug/L	611.029
[	207	Pb	0.434751	2.011	2256.733	ug/L	261.339
[	206	Pb	0.387790	2.261	2672.228	ug/L	314.674
[>	169	Tm			721997.588	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	100.752

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	93.263
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	90.873
⌈	Pb	208	
⌊>	Tm-1	169	81.435
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	93.263
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	90.873
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	81.435

Sample ID: ICSAB
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:10:02
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\ICSAB.014
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			1470112.950	ug/L	1546253.604
>	6	Li-1			441979.265	ug/L	429538.918
	9	Be	99.279339	1.066	30367.662	ug/L	4.667
	44	Ca	101369.197681	1.230	32492738.309	ug/L	44019.410
	52	Cr	104.967475	0.509	1235881.424	ug/L	38268.299
	55	Mn	106.838320	0.056	1994467.953	ug/L	2883.987
	60	Ni	94.631959	0.860	289432.660	ug/L	243.040
	65	Cu	88.911279	0.293	265637.841	ug/L	132.633
	68	Zn	91.659246	0.717	97189.425	ug/L	862.966
	75	As	104.243634	0.874	303095.251	ug/L	15830.754
>	72	Ge-1			1367451.502	ug/L	1456522.327
	111	Cd	99.317149	0.540	234426.261	ug/L	27.366
	121	Sb	50.586370	1.593	390509.126	ug/L	75.000
	135	Ba	101.346000	1.047	223594.059	ug/L	60.334
>	115	In-1			1232072.898	ug/L	1356562.850
	208	Pb	97.228530	0.505	2180813.251	ug/L	1187.043
>	169	Tm-1			723422.866	ug/L	886596.115
	50	Cr	212.390960	9.177	55587.833	ug/L	-329.926
	53	Cr	77.161126	5.597	87231.448	ug/L	55264.674
	61	Ni	115.286701	4.568	8083.700	ug/L	2550.102
	63	Cu	92.487922	0.766	210605.961	ug/L	104.336
	67	Zn	100.013869	3.009	12632.712	ug/L	3095.113
	66	Zn	99.030729	0.745	55117.710	ug/L	152.338
>	72	Ge			1367451.502	ug/L	1456522.327
	108	Cd	162.159094	1.924	27138.067	ug/L	3.224
	114	Cd	102.292852	0.739	568072.211	ug/L	51.966
>	115	In			1232072.898	ug/L	1356562.850
	208	207.977	98.183606	0.545	1126272.073	ug/L	611.029
	207	Pb	96.523967	0.552	454918.852	ug/L	261.339
	206	Pb	96.006051	0.409	599622.326	ug/L	314.674
>	169	Tm			723422.866	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	102.896

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	93.885
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	90.823
⌈	Pb	208	
⌊>	Tm-1	169	81.596
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	93.885
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	90.823
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	81.596

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:17:31
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\Rinse.015
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			1758572.520	ug/L	1546253.604
>	6	Li-1			497620.555	ug/L	429538.918
	9	Be	0.006533	179.116	7.667	ug/L	4.667
	44	Ca	15.473377	18.658	52354.878	ug/L	44019.410
	52	Cr	0.636278	17.022	48873.410	ug/L	38268.299
	55	Mn	0.857580	1.366	21148.754	ug/L	2883.987
	60	Ni	0.375176	2.058	1555.156	ug/L	243.040
	65	Cu	0.073507	8.255	389.210	ug/L	132.633
	68	Zn	1.524578	5.624	2730.623	ug/L	862.966
	75	As	0.204575	86.342	17456.398	ug/L	15830.754
>	72	Ge-1			1546957.441	ug/L	1456522.327
	111	Cd	0.013723	30.188	64.680	ug/L	27.366
	121	Sb	0.046316	14.604	480.685	ug/L	75.000
	135	Ba	0.052521	4.154	192.670	ug/L	60.334
>	115	In-1			1390983.379	ug/L	1356562.850
	208	Pb	0.007065	26.299	1431.396	ug/L	1187.043
>	169	Tm-1			918596.855	ug/L	886596.115
	50	Cr	0.001091	10873.517	-349.915	ug/L	-329.926
	53	Cr	3.991453	84.006	60762.661	ug/L	55264.674
	61	Ni	-3.274442	33.043	2525.403	ug/L	2550.102
	63	Cu	0.073368	9.547	299.686	ug/L	104.336
	67	Zn	5.003518	47.566	3837.915	ug/L	3095.113
	66	Zn	1.444784	1.567	1069.252	ug/L	152.338
>	72	Ge			1546957.441	ug/L	1456522.327
	108	Cd	0.046769	58.955	12.125	ug/L	3.224
	114	Cd	0.011998	12.208	128.481	ug/L	51.966
>	115	In			1390983.379	ug/L	1356562.850
	208	207.977	0.008078	36.615	750.711	ug/L	611.029
	207	Pb	0.006205	32.814	308.007	ug/L	261.339
	206	Pb	0.005853	53.949	372.678	ug/L	314.674
>	169	Tm			918596.855	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	115.850

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	106.209
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	102.537
⌈	Pb	208	
⌊>	Tm-1	169	103.609
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	106.209
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	102.537
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	103.609

Sample ID: CCV 1
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:25:01
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 1.016
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			1749864.399	ug/L	1546253.604
>	6	Li-1			499875.558	ug/L	429538.918
	9	Be	101.901332	0.563	35258.761	ug/L	4.667
	44	Ca	5701.423168	0.821	2082416.746	ug/L	44019.410
	52	Cr	105.195886	0.795	1381499.331	ug/L	38268.299
	55	Mn	106.119563	0.139	2210227.938	ug/L	2883.987
	60	Ni	101.219123	0.813	345409.852	ug/L	243.040
	65	Cu	100.903489	0.795	336355.992	ug/L	132.633
	68	Zn	102.444706	0.560	121098.896	ug/L	862.966
	75	As	100.166569	0.933	325562.845	ug/L	15830.754
>	72	Ge-1			1525612.626	ug/L	1456522.327
	111	Cd	101.580378	0.571	260703.218	ug/L	27.366
	121	Sb	51.104643	0.167	428967.176	ug/L	75.000
	135	Ba	100.959251	0.812	242194.548	ug/L	60.334
>	115	In-1			1339552.234	ug/L	1356562.850
	208	Pb	102.183492	0.674	2821338.255	ug/L	1187.043
>	169	Tm-1			890555.744	ug/L	886596.115
	50	Cr	105.253124	2.873	30581.111	ug/L	-329.926
	53	Cr	98.836034	4.534	108401.465	ug/L	55264.674
	61	Ni	92.900465	4.386	7788.681	ug/L	2550.102
	63	Cu	101.199545	0.901	257124.800	ug/L	104.336
	67	Zn	99.469988	2.821	14034.243	ug/L	3095.113
	66	Zn	102.067828	0.805	63371.179	ug/L	152.338
>	72	Ge			1525612.626	ug/L	1456522.327
	108	Cd	99.587216	0.971	18120.523	ug/L	3.224
	114	Cd	101.877598	0.440	615178.118	ug/L	51.966
>	115	In			1339552.234	ug/L	1356562.850
	208	207.977	102.136921	0.905	1442214.261	ug/L	611.029
	207	Pb	102.326626	0.676	593673.578	ug/L	261.339
	206	Pb	102.161018	0.333	785450.415	ug/L	314.674
>	169	Tm			890555.744	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	116.375

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	104.744
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	98.746
⌈	Pb	208	
L>	Tm-1	169	100.447
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	104.744
⌈	Cd	108	
|	Cd	114	
L>	In	115	98.746
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	100.447

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:28:51
Method File: C:\elandata\Method\000-TRC-AIRTEK.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 1.017
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			1797910.900	ug/L	1546253.604
>	6	Li-1			501792.443	ug/L	429538.918
	9	Be	0.005234	180.229	7.333	ug/L	4.667
	44	Ca	5.542017	15.240	48716.134	ug/L	44019.410
	52	Cr	0.220976	8.007	43463.962	ug/L	38268.299
	55	Mn	-0.008321	72.182	2885.989	ug/L	2883.987
	60	Ni	0.002926	359.072	268.334	ug/L	243.040
	65	Cu	0.008756	33.973	170.367	ug/L	132.633
	68	Zn	0.053387	102.298	979.699	ug/L	862.966
	75	As	0.260714	101.911	17605.291	ug/L	15830.754
>	72	Ge-1			1545531.919	ug/L	1456522.327
	111	Cd	0.008592	19.820	49.994	ug/L	27.366
	121	Sb	0.014725	30.378	201.670	ug/L	75.000
	135	Ba	0.011252	65.232	88.334	ug/L	60.334
>	115	In-1			1363766.263	ug/L	1356562.850
	208	Pb	0.001673	261.853	1264.051	ug/L	1187.043
>	169	Tm-1			908143.249	ug/L	886596.115
	50	Cr	0.073915	103.319	-328.252	ug/L	-329.926
	53	Cr	-5.699489	39.228	55703.220	ug/L	55264.674
	61	Ni	-5.966915	21.662	2373.573	ug/L	2550.102
	63	Cu	0.002069	610.207	116.336	ug/L	104.336
	67	Zn	2.139870	116.426	3521.742	ug/L	3095.113
	66	Zn	-0.009059	100.214	156.005	ug/L	152.338
>	72	Ge			1545531.919	ug/L	1456522.327
	108	Cd	0.033563	101.123	9.532	ug/L	3.224
	114	Cd	0.010049	53.740	114.410	ug/L	51.966
>	115	In			1363766.263	ug/L	1356562.850
	208	207.977	0.003947	136.812	683.370	ug/L	611.029
	207	Pb	-0.002916	155.658	250.672	ug/L	261.339
	206	Pb	0.000961	281.297	330.009	ug/L	314.674
>	169	Tm			908143.249	ug/L	886596.115

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	116.821

⌊	Be	9	
⌈	Ca	44	
⌋	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	106.111
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	100.531
⌈	Pb	208	
⌊>	Tm-1	169	102.430
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	106.111
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	100.531
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	102.430

Sample ID: BLK RECAL
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:28:51
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 1.017
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			1797910.900	ug/L	
>	6	Li-1			501792.443	ug/L	
	9	Be			7.333	ug/L	
	44	Ca			48716.134	ug/L	
	52	Cr			43463.962	ug/L	
	55	Mn			2885.989	ug/L	
	60	Ni			268.334	ug/L	
	65	Cu			170.367	ug/L	
	68	Zn			979.699	ug/L	
	75	As			17605.291	ug/L	
>	72	Ge-1			1545531.919	ug/L	
	111	Cd			49.994	ug/L	
	121	Sb			201.670	ug/L	
	135	Ba			88.334	ug/L	
>	115	In-1			1363766.263	ug/L	
	208	Pb			1264.051	ug/L	
>	169	Tm-1			908143.249	ug/L	
	50	Cr			-328.252	ug/L	
	53	Cr			55703.220	ug/L	
	61	Ni			2373.573	ug/L	
	63	Cu			116.336	ug/L	
	67	Zn			3521.742	ug/L	
	66	Zn			156.005	ug/L	
>	72	Ge			1545531.919	ug/L	
	108	Cd			9.532	ug/L	
	114	Cd			114.410	ug/L	
>	115	In			1363766.263	ug/L	
	208	207.977			683.370	ug/L	
	207	Pb			250.672	ug/L	
	206	Pb			330.009	ug/L	
>	169	Tm			908143.249	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

Sample ID: STD1 RECAL
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:25:01
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 1.016
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			1749864.399	ug/L	1797910.900
>	6	Li-1			499875.558	ug/L	501792.443
	9	Be	100.000000	0.563	35258.761	ug/L	7.333
	44	Ca	5100.000000	0.821	2082416.746	ug/L	48716.134
	52	Cr	100.000000	0.796	1381499.331	ug/L	43463.962
	55	Mn	100.000000	0.139	2210227.938	ug/L	2885.989
	60	Ni	100.000000	0.813	345409.852	ug/L	268.334
	65	Cu	100.000000	0.795	336355.992	ug/L	170.367
	68	Zn	100.000000	0.560	121098.896	ug/L	979.699
	75	As	100.000000	0.936	325562.845	ug/L	17605.291
>	72	Ge-1			1525612.626	ug/L	1545531.919
	111	Cd	100.000000	0.571	260703.218	ug/L	49.994
	121	Sb	50.000000	0.167	428967.176	ug/L	201.670
	135	Ba	100.000000	0.812	242194.548	ug/L	88.334
>	115	In-1			1339552.234	ug/L	1363766.263
	208	Pb	100.000000	0.674	2821338.255	ug/L	1264.051
>	169	Tm-1			890555.744	ug/L	908143.249
	50	Cr	100.000000	2.875	30581.111	ug/L	-328.252
	53	Cr	100.000000	4.287	108401.465	ug/L	55703.220
	61	Ni	100.000000	4.121	7788.681	ug/L	2373.573
	63	Cu	100.000000	0.901	257124.800	ug/L	116.336
	67	Zn	100.000000	2.884	14034.243	ug/L	3521.742
	66	Zn	100.000000	0.804	63371.179	ug/L	156.005
>	72	Ge			1525612.626	ug/L	1545531.919
	108	Cd	100.000000	0.972	18120.523	ug/L	9.532
	114	Cd	100.000000	0.440	615178.118	ug/L	114.410
>	115	In			1339552.234	ug/L	1363766.263
	208	207.977	100.000000	0.905	1442214.261	ug/L	683.370
	207	Pb	100.000000	0.676	593673.578	ug/L	250.672
	206	Pb	100.000000	0.333	785450.415	ug/L	330.009
>	169	Tm			890555.744	ug/L	908143.249

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

Sample ID: CCV 2
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:38:10
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 2.018
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			1819217.480	ug/L	1797910.900
>	6	Li-1			525844.562	ug/L	501792.443
	9	Be	99.345572	1.983	36835.647	ug/L	7.333
	44	Ca	5180.725310	1.073	2165684.315	ug/L	48716.134
	52	Cr	98.748812	0.398	1397931.593	ug/L	43463.962
	55	Mn	99.385333	0.362	2249812.594	ug/L	2885.989
	60	Ni	97.437010	1.370	344700.767	ug/L	268.334
	65	Cu	97.761962	0.236	336759.449	ug/L	170.367
	68	Zn	99.443410	0.266	123334.237	ug/L	979.699
	75	As	98.762053	1.014	329568.527	ug/L	17605.291
>	72	Ge-1			1562514.638	ug/L	1545531.919
	111	Cd	99.328455	0.580	259549.603	ug/L	49.994
	121	Sb	50.158387	0.703	431304.560	ug/L	201.670
	135	Ba	100.598695	0.549	244190.180	ug/L	88.334
>	115	In-1			1342723.729	ug/L	1363766.263
	208	Pb	100.195203	0.537	2868233.141	ug/L	1264.051
>	169	Tm-1			903610.903	ug/L	908143.249
	50	Cr	100.195062	0.679	31393.153	ug/L	-328.252
	53	Cr	98.886966	3.047	110395.254	ug/L	55703.220
	61	Ni	98.670232	0.580	7899.037	ug/L	2373.573
	63	Cu	97.555661	0.342	256891.463	ug/L	116.336
	67	Zn	100.859917	1.516	14465.575	ug/L	3521.742
	66	Zn	98.240278	1.003	63776.740	ug/L	156.005
>	72	Ge			1562514.638	ug/L	1545531.919
	108	Cd	99.735040	0.183	18114.110	ug/L	9.532
	114	Cd	99.288982	0.716	612292.256	ug/L	114.410
>	115	In			1342723.729	ug/L	1363766.263
	208	207.977	100.227995	0.754	1466658.571	ug/L	683.370
	207	Pb	100.247473	0.536	603847.157	ug/L	250.672
	206	Pb	100.095485	0.529	797727.413	ug/L	330.009
>	169	Tm			903610.903	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	104.793

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
> Ge-1	72	101.099	
Cd	111		
Sb	121		
Ba	135		
> In-1	115	98.457	
Pb	208		
> Tm-1	169	99.501	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
> Ge	72	101.099	
Cd	108		
Cd	114		
> In	115	98.457	
207.977	208		
Pb	207		
Pb	206		
> Tm	169	99.501	

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:41:59
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 2.019
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			1835640.617	ug/L	1797910.900
>	6	Li-1			510611.601	ug/L	501792.443
	9	Be	0.000311	4810.664	7.667	ug/L	7.333
	44	Ca	-2.165615	62.845	48254.941	ug/L	48716.134
	52	Cr	-0.237324	9.725	40594.069	ug/L	43463.962
	55	Mn	0.001346	630.016	2943.016	ug/L	2885.989
	60	Ni	0.015931	89.704	327.285	ug/L	268.334
	65	Cu	0.011469	144.630	211.802	ug/L	170.367
	68	Zn	-0.027193	265.848	955.724	ug/L	979.699
	75	As	-0.089840	110.886	17474.010	ug/L	17605.291
>	72	Ge-1			1559045.868	ug/L	1545531.919
	111	Cd	0.005975	231.190	65.899	ug/L	49.994
	121	Sb	0.007673	119.890	268.339	ug/L	201.670
	135	Ba	0.006006	203.265	103.001	ug/L	88.334
>	115	In-1			1359040.330	ug/L	1363766.263
	208	Pb	0.013709	99.600	1658.087	ug/L	1264.051
>	169	Tm-1			907721.244	ug/L	908143.249
	50	Cr	0.158601	39.405	-280.879	ug/L	-328.252
	53	Cr	-8.471794	4.123	51568.571	ug/L	55703.220
	61	Ni	-0.787757	71.730	2350.215	ug/L	2373.573
	63	Cu	0.019352	120.579	168.674	ug/L	116.336
	67	Zn	-3.447032	39.140	3181.898	ug/L	3521.742
	66	Zn	-0.017324	157.759	146.005	ug/L	156.005
>	72	Ge			1559045.868	ug/L	1545531.919
	108	Cd	0.013097	128.592	11.927	ug/L	9.532
	114	Cd	0.010953	126.153	183.022	ug/L	114.410
>	115	In			1359040.330	ug/L	1363766.263
	208	207.977	0.012093	115.368	861.061	ug/L	683.370
	207	Pb	0.015546	98.801	344.676	ug/L	250.672
	206	Pb	0.015288	82.987	452.350	ug/L	330.009
>	169	Tm			907721.244	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	101.758

└	Be	9	
┌	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
└>	Ge-1	72	100.874
┌	Cd	111	
|	Sb	121	
|	Ba	135	
└>	In-1	115	99.653
┌	Pb	208	
└>	Tm-1	169	99.954
┌	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
└>	Ge	72	100.874
┌	Cd	108	
|	Cd	114	
└>	In	115	99.653
┌	207.977	208	
|	Pb	207	
|	Pb	206	
└>	Tm	169	99.954

Sample ID: MCM32C
Sample Description: G0L210000-379/365 LCS
Batch ID: 355379/365
Sample Date/Time: Wednesday, December 22, 2010 11:45:42
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\MCM32C.020
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 100
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			1751358.158	ug/L	1797910.900
>	6	Li-1			520437.719	ug/L	501792.443
	9	Be	190.196829	0.876	69818.774	ug/L	7.333
	44	Ca	1263.159520	2.014	538407.037	ug/L	48716.134
	52	Cr	204.049317	1.287	2706801.380	ug/L	43463.962
	55	Mn	204.918032	1.822	4415591.321	ug/L	2885.989
	60	Ni	201.266284	2.521	677946.645	ug/L	268.334
	65	Cu	199.772850	1.409	655296.075	ug/L	170.367
	68	Zn	198.419646	1.407	233469.770	ug/L	979.699
	75	As	193.141423	1.493	597715.877	ug/L	17605.291
>	72	Ge-1			1488197.426	ug/L	1545531.919
	111	Cd	197.306492	1.736	511433.311	ug/L	49.994
	121	Sb	191.580299	0.717	1633807.082	ug/L	201.670
	135	Ba	206.890090	0.798	498130.973	ug/L	88.334
>	115	In-1			1331986.530	ug/L	1363766.263
	208	Pb	208.034968	0.477	5981188.888	ug/L	1264.051
>	169	Tm-1			907696.025	ug/L	908143.249
	50	Cr	192.339950	3.181	57696.516	ug/L	-328.252
	53	Cr	166.270023	5.583	140248.107	ug/L	55703.220
	61	Ni	202.717035	4.088	13049.737	ug/L	2373.573
	63	Cu	197.250482	1.307	494617.668	ug/L	116.336
	67	Zn	188.971544	4.072	22853.473	ug/L	3521.742
	66	Zn	196.312604	0.779	121229.841	ug/L	156.005
>	72	Ge			1488197.426	ug/L	1545531.919
	108	Cd	193.758079	1.791	34901.994	ug/L	9.532
	114	Cd	196.381507	1.456	1201166.384	ug/L	114.410
>	115	In			1331986.530	ug/L	1363766.263
	208	207.977	213.670383	0.748	3140322.275	ug/L	683.370
	207	Pb	224.985957	0.389	1361099.266	ug/L	250.672
	206	Pb	184.875373	0.664	1479767.347	ug/L	330.009
>	169	Tm			907696.025	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	103.716

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72	96.290	
Cd	111		
Sb	121		
Ba	135		
In-1	115	97.670	
Pb	208		
Tm-1	169	99.951	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72	96.290	
Cd	108		
Cd	114		
In	115	97.670	
207.977	208		
Pb	207		
Pb	206		
Tm	169	99.951	

Sample ID: MCM32L
Sample Description: G0L210000-379/365 LCSD
Batch ID: 355379/365
Sample Date/Time: Wednesday, December 22, 2010 11:49:21
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\MCM32L.021
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 101
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			1767387.337	ug/L	1797910.900
>	6	Li-1			531650.691	ug/L	501792.443
	9	Be	188.718173	0.619	70762.441	ug/L	7.333
	44	Ca	1223.970330	1.651	527099.217	ug/L	48716.134
	52	Cr	201.992010	1.436	2700254.267	ug/L	43463.962
	55	Mn	201.810245	1.176	4381468.153	ug/L	2885.989
	60	Ni	197.605785	1.419	670625.121	ug/L	268.334
	65	Cu	198.400915	1.538	655735.833	ug/L	170.367
	68	Zn	196.623436	0.614	233110.967	ug/L	979.699
	75	As	191.455360	0.987	597126.078	ug/L	17605.291
>	72	Ge-1			1499554.084	ug/L	1545531.919
	111	Cd	194.730360	1.450	507370.182	ug/L	49.994
	121	Sb	190.666617	0.445	1634415.135	ug/L	201.670
	135	Ba	204.525726	0.282	494974.547	ug/L	88.334
>	115	In-1			1338889.055	ug/L	1363766.263
	208	Pb	205.474381	0.876	5981417.576	ug/L	1264.051
>	169	Tm-1			919030.556	ug/L	908143.249
	50	Cr	188.940408	3.091	57098.500	ug/L	-328.252
	53	Cr	161.488852	5.772	138792.660	ug/L	55703.220
	61	Ni	202.568186	2.714	13139.558	ug/L	2373.573
	63	Cu	194.757346	1.613	492083.827	ug/L	116.336
	67	Zn	187.334387	3.108	22854.744	ug/L	3521.742
	66	Zn	194.056992	0.438	120749.545	ug/L	156.005
>	72	Ge			1499554.084	ug/L	1545531.919
	108	Cd	190.026262	1.779	34406.700	ug/L	9.532
	114	Cd	193.515353	1.360	1189736.230	ug/L	114.410
>	115	In			1338889.055	ug/L	1363766.263
	208	207.977	211.159138	0.837	3142178.511	ug/L	683.370
	207	Pb	222.136217	1.257	1360646.931	ug/L	250.672
	206	Pb	182.442741	0.638	1478592.134	ug/L	330.009
>	169	Tm			919030.556	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.950

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	97.025
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	98.176
⌈	Pb	208	
L>	Tm-1	169	101.199
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	97.025
⌈	Cd	108	
|	Cd	114	
L>	In	115	98.176
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	101.199

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 11:53:09
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\Rinse.022
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			1799199.472	ug/L	1797910.900
>	6	Li-1			533451.324	ug/L	501792.443
	9	Be	0.014789	66.425	13.333	ug/L	7.333
	44	Ca	5.869278	11.397	50037.982	ug/L	48716.134
	52	Cr	-0.120868	35.914	40967.491	ug/L	43463.962
	55	Mn	0.820748	2.292	20804.638	ug/L	2885.989
	60	Ni	0.386282	4.491	1585.929	ug/L	268.334
	65	Cu	0.087949	23.422	460.590	ug/L	170.367
	68	Zn	1.465551	5.845	2706.542	ug/L	979.699
	75	As	-0.205562	44.513	16615.166	ug/L	17605.291
>	72	Ge-1			1513733.276	ug/L	1545531.919
	111	Cd	0.021569	36.148	104.897	ug/L	49.994
	121	Sb	0.046035	24.010	590.361	ug/L	201.670
	135	Ba	0.061784	29.211	235.338	ug/L	88.334
>	115	In-1			1332541.909	ug/L	1363766.263
	208	Pb	0.023695	43.696	1979.456	ug/L	1264.051
>	169	Tm-1			922906.933	ug/L	908143.249
	50	Cr	0.176174	31.142	-267.558	ug/L	-328.252
	53	Cr	-9.561223	35.591	49502.671	ug/L	55703.220
	61	Ni	2.394757	84.479	2454.661	ug/L	2373.573
	63	Cu	0.094481	14.055	355.028	ug/L	116.336
	67	Zn	0.669872	278.889	3520.398	ug/L	3521.742
	66	Zn	1.403598	1.747	1033.235	ug/L	156.005
>	72	Ge			1513733.276	ug/L	1545531.919
	108	Cd	0.053196	78.061	18.927	ug/L	9.532
	114	Cd	0.018847	75.878	227.634	ug/L	114.410
>	115	In			1332541.909	ug/L	1363766.263
	208	207.977	0.022912	52.229	1038.087	ug/L	683.370
	207	Pb	0.026340	20.403	417.014	ug/L	250.672
	206	Pb	0.023133	49.063	524.355	ug/L	330.009
>	169	Tm			922906.933	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	106.309

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	97.943
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.710
⌈	Pb	208	
⌊>	Tm-1	169	101.626
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	97.943
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.710
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	101.626

Sample ID: MCM32B
Sample Description: G0L210000-379/365 BLK
Batch ID: 355379/365
Sample Date/Time: Wednesday, December 22, 2010 12:00:35
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\MCM32B.023
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 18
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			1838759.454	ug/L	1797910.900
>	6	Li-1			528579.802	ug/L	501792.443
	9	Be	-0.007375	95.023	5.000	ug/L	7.333
	44	Ca	-8.680700	21.357	45084.511	ug/L	48716.134
	52	Cr	-0.716449	14.605	33655.880	ug/L	43463.962
	55	Mn	0.077406	16.405	4604.670	ug/L	2885.989
	60	Ni	-0.035934	12.264	142.365	ug/L	268.334
	65	Cu	0.077283	1.438	432.360	ug/L	170.367
	68	Zn	0.186846	30.993	1203.979	ug/L	979.699
	75	As	-0.029350	238.431	17465.038	ug/L	17605.291
>	72	Ge-1			1541264.857	ug/L	1545531.919
	111	Cd	-0.010040	9.200	23.512	ug/L	49.994
	121	Sb	-0.007152	18.894	140.335	ug/L	201.670
	135	Ba	0.119117	6.047	385.012	ug/L	88.334
>	115	In-1			1374280.478	ug/L	1363766.263
	208	Pb	0.049537	5.722	2791.904	ug/L	1264.051
>	169	Tm-1			943027.099	ug/L	908143.249
	50	Cr	0.790369	24.756	-80.510	ug/L	-328.252
	53	Cr	-58.950522	8.097	23761.910	ug/L	55703.220
	61	Ni	0.454535	255.867	2391.925	ug/L	2373.573
	63	Cu	0.083722	3.815	333.358	ug/L	116.336
	67	Zn	-11.979989	23.472	2234.778	ug/L	3521.742
	66	Zn	0.312247	3.816	355.028	ug/L	156.005
>	72	Ge			1541264.857	ug/L	1545531.919
	108	Cd	-0.026058	65.843	4.778	ug/L	9.532
	114	Cd	-0.009104	3.740	57.852	ug/L	114.410
>	115	In			1374280.478	ug/L	1363766.263
	208	207.977	0.048534	7.016	1450.165	ug/L	683.370
	207	Pb	0.054336	15.489	602.362	ug/L	250.672
	206	Pb	0.047753	6.088	739.376	ug/L	330.009
>	169	Tm			943027.099	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	105.338

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	99.724
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	100.771
⌈	Pb	208	
⌊>	Tm-1	169	103.841
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	99.724
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	100.771
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	103.841

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 12:28:19
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 3.030
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			1861526.963	ug/L	1797910.900
>	6	Li-1			552500.417	ug/L	501792.443
	9	Be	100.897730	0.963	39321.479	ug/L	7.333
	44	Ca	5383.703055	0.785	2222612.481	ug/L	48716.134
	52	Cr	100.683395	0.654	1407964.147	ug/L	43463.962
	55	Mn	99.901884	0.249	2235459.481	ug/L	2885.989
	60	Ni	96.084359	0.452	336011.559	ug/L	268.334
	65	Cu	96.232821	0.163	327671.218	ug/L	170.367
	68	Zn	98.596825	0.862	120873.382	ug/L	979.699
	75	As	96.645265	0.521	319153.210	ug/L	17605.291
>	72	Ge-1			1544553.061	ug/L	1545531.919
	111	Cd	98.247118	0.650	253078.835	ug/L	49.994
	121	Sb	50.274948	0.350	426153.809	ug/L	201.670
	135	Ba	100.446605	0.152	240348.395	ug/L	88.334
>	115	In-1			1323541.732	ug/L	1363766.263
	208	Pb	101.187511	0.872	2877956.458	ug/L	1264.051
>	169	Tm-1			897799.485	ug/L	908143.249
	50	Cr	101.656666	2.839	31483.653	ug/L	-328.252
	53	Cr	93.142928	5.949	106052.323	ug/L	55703.220
	61	Ni	95.530001	3.010	7637.493	ug/L	2373.573
	63	Cu	95.737360	1.024	249177.188	ug/L	116.336
	67	Zn	96.512952	2.305	13836.027	ug/L	3521.742
	66	Zn	97.899181	0.504	62822.449	ug/L	156.005
>	72	Ge			1544553.061	ug/L	1545531.919
	108	Cd	98.423379	1.247	17621.662	ug/L	9.532
	114	Cd	99.188477	0.670	602900.486	ug/L	114.410
>	115	In			1323541.732	ug/L	1363766.263
	208	207.977	101.538885	0.926	1476310.999	ug/L	683.370
	207	Pb	101.252307	1.144	605943.732	ug/L	250.672
	206	Pb	100.493362	0.788	795701.727	ug/L	330.009
>	169	Tm			897799.485	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	110.105

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	99.937
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.050
⌈	Pb	208	
⌊>	Tm-1	169	98.861
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	99.937
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.050
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	98.861

Sample ID: CCB 3
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 12:32:09
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 3.031
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			1865630.695	ug/L	1797910.900
>	6	Li-1			541920.246	ug/L	501792.443
	9	Be	0.009790	39.071	11.667	ug/L	7.333
	44	Ca	-5.699612	11.053	46396.207	ug/L	48716.134
	52	Cr	-0.286807	18.593	39557.933	ug/L	43463.962
	55	Mn	-0.002275	505.897	2836.303	ug/L	2885.989
	60	Ni	0.091485	5.456	588.132	ug/L	268.334
	65	Cu	0.038382	39.237	301.339	ug/L	170.367
	68	Zn	-0.089491	62.325	871.024	ug/L	979.699
	75	As	-0.088361	89.162	17321.035	ug/L	17605.291
>	72	Ge-1			1544971.214	ug/L	1545531.919
	111	Cd	0.015237	63.325	88.170	ug/L	49.994
	121	Sb	0.022862	27.728	391.012	ug/L	201.670
	135	Ba	0.012187	54.470	115.334	ug/L	88.334
>	115	In-1			1327359.456	ug/L	1363766.263
	208	Pb	0.013681	99.275	1657.086	ug/L	1264.051
>	169	Tm-1			906191.971	ug/L	908143.249
	50	Cr	0.118289	87.487	-290.820	ug/L	-328.252
	53	Cr	-14.015275	9.361	48111.121	ug/L	55703.220
	61	Ni	-1.492836	213.719	2291.828	ug/L	2373.573
	63	Cu	0.049224	27.481	244.680	ug/L	116.336
	67	Zn	-4.893474	20.963	2998.313	ug/L	3521.742
	66	Zn	0.017255	35.609	167.006	ug/L	156.005
>	72	Ge			1544971.214	ug/L	1545531.919
	108	Cd	0.026652	98.007	14.075	ug/L	9.532
	114	Cd	0.019645	65.226	231.670	ug/L	114.410
>	115	In			1327359.456	ug/L	1363766.263
	208	207.977	0.011126	118.613	846.725	ug/L	683.370
	207	Pb	0.015723	78.730	345.676	ug/L	250.672
	206	Pb	0.016828	91.151	464.684	ug/L	330.009
>	169	Tm			906191.971	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.997

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	99.964
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	97.330
⌈	Pb	208	
⌊>	Tm-1	169	99.785
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	99.964
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	97.330
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	99.785

Sample ID: CCV 4
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 12:35:59
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 4.032
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			1837602.202	ug/L	1797910.900
>	6	Li-1			544147.898	ug/L	501792.443
	9	Be	101.342391	0.856	38893.528	ug/L	7.333
	44	Ca	5381.179658	0.239	2196793.913	ug/L	48716.134
	52	Cr	100.666181	0.922	1392072.563	ug/L	43463.962
	55	Mn	99.247284	0.997	2196142.109	ug/L	2885.989
	60	Ni	94.445207	0.372	326592.403	ug/L	268.334
	65	Cu	95.614120	1.047	321939.564	ug/L	170.367
	68	Zn	98.407316	0.830	119310.754	ug/L	979.699
	75	As	96.168058	0.205	314145.832	ug/L	17605.291
>	72	Ge-1			1527332.756	ug/L	1545531.919
	111	Cd	98.179563	0.791	248671.001	ug/L	49.994
	121	Sb	50.572230	0.685	421534.650	ug/L	201.670
	135	Ba	100.405521	0.938	236235.496	ug/L	88.334
>	115	In-1			1301563.637	ug/L	1363766.263
	208	Pb	101.425512	0.706	2849202.745	ug/L	1264.051
>	169	Tm-1			886711.603	ug/L	908143.249
	50	Cr	100.189495	1.747	30680.322	ug/L	-328.252
	53	Cr	90.915460	3.916	103646.464	ug/L	55703.220
	61	Ni	93.982861	4.379	7466.588	ug/L	2373.573
	63	Cu	95.090277	0.905	244765.484	ug/L	116.336
	67	Zn	95.173048	1.579	13538.213	ug/L	3521.742
	66	Zn	97.335239	0.498	61764.434	ug/L	156.005
>	72	Ge			1527332.756	ug/L	1545531.919
	108	Cd	98.846980	0.736	17400.767	ug/L	9.532
	114	Cd	98.732405	0.756	590107.811	ug/L	114.410
>	115	In			1301563.637	ug/L	1363766.263
	208	207.977	101.807773	0.767	1461994.778	ug/L	683.370
	207	Pb	101.354077	0.864	599087.627	ug/L	250.672
	206	Pb	100.777616	0.817	788120.340	ug/L	330.009
>	169	Tm			886711.603	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	108.441

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	98.822
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	95.439
⌈	Pb	208	
⌊>	Tm-1	169	97.640
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	98.822
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	95.439
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	97.640

Sample ID: CCB 4
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 12:39:48
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 4.033
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			1905691.333	ug/L	1797910.900
[>	6	Li-1			560365.411	ug/L	501792.443
[	9	Be	-0.004846	171.101	6.333	ug/L	7.333
[	44	Ca	-5.717675	19.331	47129.564	ug/L	48716.134
[	52	Cr	-0.102232	39.261	42741.127	ug/L	43463.962
[	55	Mn	-0.005445	127.551	2809.289	ug/L	2885.989
[	60	Ni	0.059897	4.508	485.267	ug/L	268.334
[	65	Cu	0.019451	40.032	240.632	ug/L	170.367
[	68	Zn	0.009775	431.032	1007.681	ug/L	979.699
[	75	As	-0.388654	46.371	16643.266	ug/L	17605.291
[>	72	Ge-1			1569765.793	ug/L	1545531.919
[	111	Cd	0.002308	336.444	55.372	ug/L	49.994
[	121	Sb	0.007608	48.171	264.339	ug/L	201.670
[	135	Ba	0.012956	91.111	118.668	ug/L	88.334
[>	115	In-1			1343312.042	ug/L	1363766.263
[	208	Pb	0.002340	254.077	1361.724	ug/L	1264.051
[>	169	Tm-1			926918.312	ug/L	908143.249
[	50	Cr	-0.087653	79.550	-361.384	ug/L	-328.252
[	53	Cr	-6.940365	43.690	52770.962	ug/L	55703.220
[	61	Ni	-1.266351	40.989	2340.205	ug/L	2373.573
[	63	Cu	0.032165	12.927	203.342	ug/L	116.336
[	67	Zn	0.092147	2194.938	3589.176	ug/L	3521.742
[	66	Zn	-0.006745	291.308	154.005	ug/L	156.005
[>	72	Ge			1569765.793	ug/L	1545531.919
[	108	Cd	0.018963	147.772	12.865	ug/L	9.532
[	114	Cd	0.008343	83.599	164.541	ug/L	114.410
[>	115	In			1343312.042	ug/L	1363766.263
[	208	207.977	0.000897	640.462	712.374	ug/L	683.370
[	207	Pb	0.004113	198.579	282.006	ug/L	250.672
[	206	Pb	0.003650	134.609	367.344	ug/L	330.009
[>	169	Tm			926918.312	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	111.673

└	Be	9	
┌	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
└>	Ge-1	72	101.568
┌	Cd	111	
|	Sb	121	
|	Ba	135	
└>	In-1	115	98.500
┌	Pb	208	
└>	Tm-1	169	102.067
┌	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
└>	Ge	72	101.568
┌	Cd	108	
|	Cd	114	
└>	In	115	98.500
┌	207.977	208	
|	Pb	207	
|	Pb	206	
└>	Tm	169	102.067

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 13:24:39
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 5.044
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			1812749.997	ug/L	1797910.900
>	6	Li-1			566774.259	ug/L	501792.443
	9	Be	100.681048	2.126	40234.475	ug/L	7.333
	44	Ca	5378.486627	0.311	2179945.292	ug/L	48716.134
	52	Cr	100.009306	0.570	1373503.456	ug/L	43463.962
	55	Mn	98.659256	0.707	2167596.253	ug/L	2885.989
	60	Ni	94.076676	0.463	323001.197	ug/L	268.334
	65	Cu	94.686583	0.351	316549.887	ug/L	170.367
	68	Zn	99.180924	0.691	119380.655	ug/L	979.699
	75	As	96.711303	0.521	313567.821	ug/L	17605.291
>	72	Ge-1			1516422.761	ug/L	1545531.919
	111	Cd	97.667932	0.362	247803.803	ug/L	49.994
	121	Sb	50.487792	0.374	421561.210	ug/L	201.670
	135	Ba	100.182259	0.179	236133.104	ug/L	88.334
>	115	In-1			1303760.232	ug/L	1363766.263
	208	Pb	101.586923	1.615	2875919.546	ug/L	1264.051
>	169	Tm-1			893794.499	ug/L	908143.249
	50	Cr	99.524129	2.358	30253.087	ug/L	-328.252
	53	Cr	89.215904	4.625	102013.364	ug/L	55703.220
	61	Ni	93.536987	1.508	7389.331	ug/L	2373.573
	63	Cu	94.190199	0.631	240695.694	ug/L	116.336
	67	Zn	96.786711	1.418	13611.319	ug/L	3521.742
	66	Zn	97.321821	0.568	61310.677	ug/L	156.005
>	72	Ge			1516422.761	ug/L	1545531.919
	108	Cd	97.353823	0.795	17167.251	ug/L	9.532
	114	Cd	98.688220	0.168	590857.058	ug/L	114.410
>	115	In			1303760.232	ug/L	1363766.263
	208	207.977	102.049429	1.496	1476867.870	ug/L	683.370
	207	Pb	101.513976	1.670	604702.476	ug/L	250.672
	206	Pb	100.792829	1.793	794349.200	ug/L	330.009
>	169	Tm			893794.499	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	112.950

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	98.117
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	95.600
⌈	Pb	208	
L>	Tm-1	169	98.420
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	98.117
⌈	Cd	108	
|	Cd	114	
L>	In	115	95.600
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	98.420

Sample ID: CCB 5
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 13:28:29
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 5.045
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			1849404.537	ug/L	1797910.900
[>	6	Li-1			553944.401	ug/L	501792.443
[	9	Be	0.004858	30.677	10.000	ug/L	7.333
[	44	Ca	-9.741144	50.399	44265.423	ug/L	48716.134
[	52	Cr	-0.301912	33.027	38933.442	ug/L	43463.962
[	55	Mn	-0.004533	65.115	2758.600	ug/L	2885.989
[	60	Ni	0.035380	24.293	388.395	ug/L	268.334
[	65	Cu	0.033959	14.976	282.866	ug/L	170.367
[	68	Zn	-0.016208	137.065	949.521	ug/L	979.699
[	75	As	-0.198272	139.591	16789.161	ug/L	17605.291
[>	72	Ge-1			1529927.205	ug/L	1545531.919
[	111	Cd	0.015304	58.745	87.440	ug/L	49.994
[	121	Sb	0.022137	7.270	377.678	ug/L	201.670
[	135	Ba	0.013132	36.474	115.668	ug/L	88.334
[>	115	In-1			1302478.873	ug/L	1363766.263
[	208	Pb	0.010364	47.097	1563.408	ug/L	1264.051
[>	169	Tm-1			905686.229	ug/L	908143.249
[	50	Cr	0.023095	291.171	-318.379	ug/L	-328.252
[	53	Cr	-13.413248	15.006	47926.266	ug/L	55703.220
[	61	Ni	-3.244233	40.790	2174.043	ug/L	2373.573
[	63	Cu	0.040732	4.478	220.011	ug/L	116.336
[	67	Zn	-4.693686	9.067	2988.967	ug/L	3521.742
[	66	Zn	0.032141	57.461	174.673	ug/L	156.005
[>	72	Ge			1529927.205	ug/L	1545531.919
[	108	Cd	0.010886	94.473	11.075	ug/L	9.532
[	114	Cd	0.012210	43.917	183.285	ug/L	114.410
[>	115	In			1302478.873	ug/L	1363766.263
[	208	207.977	0.007830	89.264	800.385	ug/L	683.370
[	207	Pb	0.013905	14.992	334.342	ug/L	250.672
[	206	Pb	0.012341	26.638	428.681	ug/L	330.009
[>	169	Tm			905686.229	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	110.393

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	98.990
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	95.506
⌈	Pb	208	
L>	Tm-1	169	99.729
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	98.990
⌈	Cd	108	
|	Cd	114	
L>	In	115	95.506
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	99.729

Sample ID: CCV 6
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 13:32:19
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 6.046
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			1798345.896	ug/L	1797910.900
>	6	Li-1			547030.139	ug/L	501792.443
	9	Be	102.606641	0.814	39589.783	ug/L	7.333
	44	Ca	5415.649266	0.468	2163510.033	ug/L	48716.134
	52	Cr	100.853287	0.621	1364963.035	ug/L	43463.962
	55	Mn	98.606772	0.179	2135415.344	ug/L	2885.989
	60	Ni	94.465900	0.605	319707.672	ug/L	268.334
	65	Cu	96.012266	0.319	316396.385	ug/L	170.367
	68	Zn	98.485865	0.457	116867.004	ug/L	979.699
	75	As	96.741771	0.575	309185.964	ug/L	17605.291
>	72	Ge-1			1494802.344	ug/L	1545531.919
	111	Cd	98.788477	1.173	243594.953	ug/L	49.994
	121	Sb	51.096766	1.448	414615.181	ug/L	201.670
	135	Ba	100.869630	0.959	231060.341	ug/L	88.334
>	115	In-1			1267209.128	ug/L	1363766.263
	208	Pb	102.570395	1.267	2825935.939	ug/L	1264.051
>	169	Tm-1			869765.995	ug/L	908143.249
	50	Cr	99.464099	3.493	29813.637	ug/L	-328.252
	53	Cr	88.895625	4.460	100385.057	ug/L	55703.220
	61	Ni	90.082142	3.167	7099.410	ug/L	2373.573
	63	Cu	95.266475	1.274	239990.491	ug/L	116.336
	67	Zn	97.252043	1.998	13465.455	ug/L	3521.742
	66	Zn	97.926909	0.728	60816.427	ug/L	156.005
>	72	Ge			1494802.344	ug/L	1545531.919
	108	Cd	99.394322	0.521	17035.323	ug/L	9.532
	114	Cd	99.685649	0.389	580068.549	ug/L	114.410
>	115	In			1267209.128	ug/L	1363766.263
	208	207.977	103.346355	1.321	1455509.553	ug/L	683.370
	207	Pb	102.138901	1.277	592124.340	ug/L	250.672
	206	Pb	101.471754	1.174	778302.046	ug/L	330.009
>	169	Tm			869765.995	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	109.015

L	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
L>	Ge-1	72	96.718
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
L>	In-1	115	92.920
⌈	Pb	208	
L>	Tm-1	169	95.774
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
L>	Ge	72	96.718
⌈	Cd	108	
|	Cd	114	
L>	In	115	92.920
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
L>	Tm	169	95.774

Sample ID: CCB 6
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 13:36:08
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 6.047
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			1820136.716	ug/L	1797910.900
>	6	Li-1			539336.119	ug/L	501792.443
	9	Be	0.015121	66.332	13.667	ug/L	7.333
	44	Ca	-7.662291	26.708	44509.507	ug/L	48716.134
	52	Cr	-0.279900	15.230	38700.346	ug/L	43463.962
	55	Mn	-0.005382	156.227	2698.908	ug/L	2885.989
	60	Ni	0.035333	38.782	382.502	ug/L	268.334
	65	Cu	0.028278	33.078	260.243	ug/L	170.367
	68	Zn	-0.032593	54.062	917.145	ug/L	979.699
	75	As	-0.034781	230.447	17068.934	ug/L	17605.291
>	72	Ge-1			1507803.104	ug/L	1545531.919
	111	Cd	0.014202	51.906	83.306	ug/L	49.994
	121	Sb	0.015029	28.075	316.008	ug/L	201.670
	135	Ba	0.011822	104.847	111.668	ug/L	88.334
>	115	In-1			1293444.655	ug/L	1363766.263
	208	Pb	0.012575	89.954	1587.078	ug/L	1264.051
>	169	Tm-1			885452.567	ug/L	908143.249
	50	Cr	0.169460	32.135	-268.478	ug/L	-328.252
	53	Cr	-13.479952	6.365	47232.481	ug/L	55703.220
	61	Ni	-2.252663	28.841	2194.392	ug/L	2373.573
	63	Cu	0.040172	34.745	215.677	ug/L	116.336
	67	Zn	-3.791446	7.913	3040.366	ug/L	3521.742
	66	Zn	0.050340	17.149	183.674	ug/L	156.005
>	72	Ge			1507803.104	ug/L	1545531.919
	108	Cd	0.026681	114.176	13.717	ug/L	9.532
	114	Cd	0.015381	56.298	200.305	ug/L	114.410
>	115	In			1293444.655	ug/L	1363766.263
	208	207.977	0.010028	111.096	811.053	ug/L	683.370
	207	Pb	0.016133	75.808	340.009	ug/L	250.672
	206	Pb	0.014565	75.951	436.015	ug/L	330.009
>	169	Tm			885452.567	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	107.482

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	97.559
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	94.844
⌈	Pb	208	
⌊>	Tm-1	169	97.501
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	97.559
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	94.844
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	97.501

Sample ID: CCV 7
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:13:20
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 7.057
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			1882849.957	ug/L	1797910.900
[>	6	Li-1			573155.571	ug/L	501792.443
[	9	Be	102.333458	1.911	41358.643	ug/L	7.333
[	44	Ca	5470.878760	1.019	2262253.862	ug/L	48716.134
[	52	Cr	101.021545	0.643	1415545.610	ug/L	43463.962
[	55	Mn	99.295436	1.173	2226469.853	ug/L	2885.989
[	60	Ni	95.221333	1.146	333673.065	ug/L	268.334
[	65	Cu	96.761226	0.350	330123.609	ug/L	170.367
[	68	Zn	99.524711	0.373	122262.997	ug/L	979.699
[	75	As	96.961043	0.507	320810.295	ug/L	17605.291
[>	72	Ge-1			1547603.678	ug/L	1545531.919
[	111	Cd	98.847302	0.585	251431.023	ug/L	49.994
[	121	Sb	51.169841	0.449	428330.594	ug/L	201.670
[	135	Ba	101.307655	1.125	239354.447	ug/L	88.334
[>	115	In-1			1307094.178	ug/L	1363766.263
[	208	Pb	101.613280	0.380	2867500.917	ug/L	1264.051
[>	169	Tm-1			890722.536	ug/L	908143.249
[	50	Cr	98.963229	3.273	30697.736	ug/L	-328.252
[	53	Cr	96.426441	6.507	108032.734	ug/L	55703.220
[	61	Ni	94.970362	3.064	7621.436	ug/L	2373.573
[	63	Cu	95.371129	0.117	248735.745	ug/L	116.336
[	67	Zn	98.489842	2.783	14075.492	ug/L	3521.742
[	66	Zn	98.623033	0.840	63409.260	ug/L	156.005
[>	72	Ge			1547603.678	ug/L	1545531.919
[	108	Cd	99.362099	0.811	17565.803	ug/L	9.532
[	114	Cd	99.917590	0.283	599777.208	ug/L	114.410
[>	115	In			1307094.178	ug/L	1363766.263
[	208	207.977	102.019124	0.456	1471693.611	ug/L	683.370
[	207	Pb	101.664217	0.269	603674.053	ug/L	250.672
[	206	Pb	100.829589	0.332	792133.252	ug/L	330.009
[>	169	Tm			890722.536	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
[>	Li-1	6	114.222

⌊	Be	9	
⌈	Ca	44	
|	Cr	52	
|	Mn	55	
|	Ni	60	
|	Cu	65	
|	Zn	68	
|	As	75	
⌊>	Ge-1	72	100.134
⌈	Cd	111	
|	Sb	121	
|	Ba	135	
⌊>	In-1	115	95.844
⌈	Pb	208	
⌊>	Tm-1	169	98.082
⌈	Cr	50	
|	Cr	53	
|	Ni	61	
|	Cu	63	
|	Zn	67	
|	Zn	66	
⌊>	Ge	72	100.134
⌈	Cd	108	
|	Cd	114	
⌊>	In	115	95.844
⌈	207.977	208	
|	Pb	207	
|	Pb	206	
⌊>	Tm	169	98.082

Sample ID: CCB 7
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:17:10
Method File: c:\elandata\Method\000-trc-airtek.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 7.058
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			1870916.303	ug/L	1797910.900
>	6	Li-1			566058.573	ug/L	501792.443
	9	Be	0.017394	119.646	15.333	ug/L	7.333
	44	Ca	-13.063184	8.164	43326.662	ug/L	48716.134
	52	Cr	-0.075603	24.081	42331.672	ug/L	43463.962
	55	Mn	-0.003485	348.640	2802.288	ug/L	2885.989
	60	Ni	0.026357	49.411	359.805	ug/L	268.334
	65	Cu	0.040730	21.540	308.392	ug/L	170.367
	68	Zn	-0.032020	58.248	938.327	ug/L	979.699
	75	As	-0.226693	54.427	16855.467	ug/L	17605.291
>	72	Ge-1			1541644.996	ug/L	1545531.919
	111	Cd	0.010558	115.724	75.004	ug/L	49.994
	121	Sb	0.012982	43.924	302.007	ug/L	201.670
	135	Ba	0.010884	162.442	110.668	ug/L	88.334
>	115	In-1			1305329.254	ug/L	1363766.263
	208	Pb	0.011319	94.466	1564.409	ug/L	1264.051
>	169	Tm-1			892369.228	ug/L	908143.249
	50	Cr	0.097946	53.986	-296.894	ug/L	-328.252
	53	Cr	-10.510625	18.570	49898.793	ug/L	55703.220
	61	Ni	-0.552203	282.680	2337.536	ug/L	2373.573
	63	Cu	0.057112	20.386	264.349	ug/L	116.336
	67	Zn	-4.566097	23.742	3026.350	ug/L	3521.742
	66	Zn	0.029183	88.671	174.340	ug/L	156.005
>	72	Ge			1541644.996	ug/L	1545531.919
	108	Cd	0.044855	114.133	16.952	ug/L	9.532
	114	Cd	0.016781	74.268	210.884	ug/L	114.410
>	115	In			1305329.254	ug/L	1363766.263
	208	207.977	0.009275	112.181	806.719	ug/L	683.370
	207	Pb	0.014440	76.845	332.676	ug/L	250.672
	206	Pb	0.012713	89.329	425.015	ug/L	330.009
>	169	Tm			892369.228	ug/L	908143.249

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
	Sc	45	
>	Li-1	6	112.807

Be	9		
Ca	44		
Cr	52		
Mn	55		
Ni	60		
Cu	65		
Zn	68		
As	75		
> Ge-1	72	99.749	
Cd	111		
Sb	121		
Ba	135		
> In-1	115	95.715	
Pb	208		
> Tm-1	169	98.263	
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
> Ge	72	99.749	
Cd	108		
Cd	114		
> In	115	95.715	
207.977	208		
Pb	207		
Pb	206		
> Tm	169	98.263	

Sample ID: CCV 8
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:21:00
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 8.059
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	5851.213476	1.287	2416735.375	ug/L	48716.134
|	55	Mn	101.315878	1.533	2272104.021	ug/L	2885.989
|	75	As	97.598219	0.636	322883.327	ug/L	17605.291
⌊>	72	Ge-1			1548107.362	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	100.167

Sample ID: CCB 8
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:23:43
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 8.060
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	-7.716376	27.212	47203.433	ug/L	48716.134
|	55	Mn	-0.007051	59.288	2825.295	ug/L	2885.989
|	75	As	-0.417977	44.425	16877.867	ug/L	17605.291
⌊>	72	Ge-1			1600129.411	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌜	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	103.533

Sample ID: CCV 9
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:26:25
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 9.061
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	5872.608575	1.358	2502722.864	ug/L	48716.134
|	55	Mn	101.336135	0.930	2345063.451	ug/L	2885.989
|	75	As	97.475499	0.449	332781.451	ug/L	17605.291
⌊>	72	Ge-1			1597439.926	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	103.359

Sample ID: CCB 9
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 14:29:08
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 9.062
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	-11.736518	3.387	47142.992	ug/L	48716.134
|	55	Mn	-0.007563	24.107	2912.667	ug/L	2885.989
|	75	As	-0.479346	39.683	17265.241	ug/L	17605.291
⌞>	72	Ge-1			1656912.703	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌜	Ca	44	
|	Mn	55	
|	As	75	
⌞>	Ge-1	72	107.207

Sample ID: MCG65
Sample Description: G0L170472-3
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:31:45
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG65.063
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 53
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	2075.342373	4.544	914819.258	ug/L	48716.134
|	55	Mn	1060.223099	3.746	24451049.162	ug/L	2885.989
|	75	As	0.135509	120.380	18596.626	ug/L	17605.291
⌊>	72	Ge-1			1595073.560	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	103.205

Sample ID: MCG65P5
Sample Description: G0L170472-3 5X
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:34:21
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG65P5.064
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 54
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	404.780695	1.482	228472.484	ug/L	48716.134
|	55	Mn	205.078755	0.747	4939261.663	ug/L	2885.989
|	75	As	-0.551003	15.815	17097.793	ug/L	17605.291
⌞>	72	Ge-1			1663669.677	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌜	Ca	44	
|	Mn	55	
|	As	75	
⌞>	Ge-1	72	107.644

Sample ID: MCG65Z
Sample Description: G0L170472-3 PS
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:44:26
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG65Z.065
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 55
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	3234.443314	1.243	1379920.039	ug/L	48716.134
|	55	Mn	1231.307284	2.688	28027825.316	ug/L	2885.989
|	75	As	191.000443	2.266	624982.229	ug/L	17605.291
⌊>	72	Ge-1			1573453.143	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	101.807

Sample ID: MCG7E
Sample Description: G0L170472-5
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:47:03
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG7E.066
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 56
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	2576.259628	1.214	1099844.274	ug/L	48716.134
|	55	Mn	351.489966	0.977	7936576.541	ug/L	2885.989
|	75	As	-0.109228	67.551	17426.349	ug/L	17605.291
⌊>	72	Ge-1			1560167.278	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	100.947

Sample ID: MCG7R
Sample Description: G0L170472-9
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:49:40
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG7R.067
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 57
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	3823.227723	4.687	1592434.390	ug/L	48716.134
|	55	Mn	838.661683	4.039	18746840.526	ug/L	2885.989
|	75	As	0.096826	137.672	17905.817	ug/L	17605.291
⌊>	72	Ge-1			1546187.660	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	100.042

Sample ID: MCG75
Sample Description: G0L170472-12
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:52:18
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG75.068
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 58
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	3714.411373	0.571	1583580.184	ug/L	48716.134
|	55	Mn	250.334968	0.396	5724049.966	ug/L	2885.989
|	75	As	-0.027718	399.638	17905.716	ug/L	17605.291
⌊>	72	Ge-1			1579592.391	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	102.204

Sample ID: MCG8C
Sample Description: G0L170472-15
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:54:56
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG8C.069
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 59
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	2765.540813	2.432	1229599.040	ug/L	48716.134
|	55	Mn	193.563232	2.261	4567194.406	ug/L	2885.989
|	75	As	-0.395968	40.585	17265.474	ug/L	17605.291
⌞>	72	Ge-1			1630141.400	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌜	Ca	44	
|	Mn	55	
|	As	75	
⌞>	Ge-1	72	105.474

Sample ID: MCG8M
Sample Description: G0L170472-18
Batch ID: 355365
Sample Date/Time: Wednesday, December 22, 2010 14:57:34
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\MCG8M.070
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 60
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	2665.630626	0.479	1197655.476	ug/L	48716.134
|	55	Mn	27.589728	0.354	659430.467	ug/L	2885.989
|	75	As	-0.397883	41.443	17406.924	ug/L	17605.291
⌊>	72	Ge-1			1644244.564	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	106.387

Sample ID: CCV 10
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 15:00:17
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCV 10.071
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	5788.106565	0.596	2540330.506	ug/L	48716.134
|	55	Mn	100.783483	0.980	2401077.121	ug/L	2885.989
|	75	As	97.278779	1.199	341931.945	ug/L	17605.291
⌊>	72	Ge-1			1644643.711	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌈	Ca	44	
|	Mn	55	
|	As	75	
⌊>	Ge-1	72	106.413

Sample ID: CCB 10
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, December 22, 2010 15:03:00
Method File: C:\elandata\Method\000-NG.mth
Dataset File: C:\elandata\Dataset\101222a1\CCB 10.072
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	-9.305169	8.203	48357.713	ug/L	48716.134
|	55	Mn	0.186904	4.077	7601.207	ug/L	2885.989
|	75	As	-0.519028	19.282	17192.867	ug/L	17605.291
⌞>	72	Ge-1			1662510.253	ug/L	1545531.919

Internal Standard Recoveries

	Analyte	Mass	Int Std % Recovery
⌜	Ca	44	
|	Mn	55	
|	As	75	
⌞>	Ge-1	72	107.569

TAL West Sac

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
1	Rinse 2X				2.0	12/22/10 10:36		☐
2	Blank				1.0	12/22/10 10:40		☐
3	Standard1				1.0	12/22/10 10:44		☐
4	ICV				1.0	12/22/10 10:48		☐
5	ICB				1.0	12/22/10 10:52		☐
6	LLSTD1 10X				10.0	12/22/10 10:59		☐
7	LLSTD1 5X				5.0	12/22/10 11:03		☐
8	ICSA				1.0	12/22/10 11:06		☐
9	ICSAB				1.0	12/22/10 11:10		☐
10	Rinse				1.0	12/22/10 11:17		☐
11	CCV 1				1.0	12/22/10 11:25		☐
12	CCB 1				1.0	12/22/10 11:28		☐
15	CCV 2				1.0	12/22/10 11:38		☐
16	CCB 2				1.0	12/22/10 11:41		☐
17	MCM32C	G0L210000	0355379	2A	1.0	12/22/10 11:45		☐
18	MCM32L	G0L210000	0355379	2A	1.0	12/22/10 11:49		☐
19	Rinse				1.0	12/22/10 11:53		☐
20	MCM32B	G0L210000	0355379	2A	1.0	12/22/10 12:00		☐
21	MCMD9	G0L210459-1	0355379	2A	1.0	12/22/10 12:04		☐
22	MCMD9P5	G0L210459	0355379		5.0	12/22/10 12:07		☐
23	MCMD9X	G0L210459-1	0355379	2A	1.0	12/22/10 12:11		☐
24	MCMD9Z	G0L210459-1	0355379		1.0	12/22/10 12:17		☐
25	MCMED	G0L210459-2	0355379	2A	1.0	12/22/10 12:20		☐
26	MCMEE	G0L210459-3	0355379	2A	1.0	12/22/10 12:24		☐
27	CCV 3				1.0	12/22/10 12:28		☐
28	CCB 3				1.0	12/22/10 12:32		☐
29	CCV 4				1.0	12/22/10 12:35		☐
30	CCB 4				1.0	12/22/10 12:39		☐
31	MCMEF	G0L210459-4	0355379	2A	1.0	12/22/10 12:43		☐
32	MCMEG	G0L210459-5	0355379	2A	1.0	12/22/10 12:47		☐
33	MCLTGC	G0L200000	0354529	2A	1.0	12/22/10 12:50		☐
34	MCLTGL	G0L200000	0354529	2A	1.0	12/22/10 12:54		☐
35	Rinse				1.0	12/22/10 12:58		☐
36	MCLTGB	G0L200000	0354529	2A	1.0	12/22/10 13:05		☐
37	MCKEN	G0L180469-1	0354529	2A	1.0	12/22/10 13:09		☐
38	MCKENP5	G0L180469	0354529		5.0	12/22/10 13:13		☐
39	MCKENX	G0L180469-1	0354529	2A	1.0	12/22/10 13:17		☐
40	MCKENZ	G0L180469-1	0354529		1.0	12/22/10 13:20		☐
41	CCV 5				1.0	12/22/10 13:24		☐
42	CCB 5				1.0	12/22/10 13:28		☐
43	CCV 6				1.0	12/22/10 13:32		☐
44	CCB 6				1.0	12/22/10 13:36		☐
45	MCKEP	G0L180469-2	0354529	2A	1.0	12/22/10 13:39		☐
46	MCKEQ	G0L180469-3	0354529	2A	1.0	12/22/10 13:43		☐
47	MCKER	G0L180469-4	0354529	2A	1.0	12/22/10 13:47		☐
48	MCKET	G0L180469-5	0354529	2A	1.0	12/22/10 13:51		☐

Method: 6020 (SOP: SAC-MT-001) Instrument: M01 Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst: hargraves**

#	Sample ID	Lot No.	Batch		DF	Analyzed Date	Comment	Q
49	MCK3R	G0L200450-1	0354529	2A	1.0	12/22/10 13:54		☐
50	MCK34	G0L200450-2	0354529	2A	1.0	12/22/10 13:58		☐
51	MCK35	G0L200450-3	0354529	2A	1.0	12/22/10 14:02		☐
52	MCK37	G0L200450-4	0354529	2A	1.0	12/22/10 14:05		☐
53	MCK4C	G0L200450-5	0354529	2A	1.0	12/22/10 14:09		☐
54	CCV 7				1.0	12/22/10 14:13		☐
55	CCB 7				1.0	12/22/10 14:17		☐
56	CCV 8				1.0	12/22/10 14:21		☐
57	CCB 8				1.0	12/22/10 14:23		☐
58	CCV 9				1.0	12/22/10 14:26		☐
59	CCB 9				1.0	12/22/10 14:29		☐
60	MCG65	G0L170472-3	0355365	2A	1.0	12/22/10 14:31		☐
61	MCG65P5	G0L170472	0355365		5.0	12/22/10 14:34		☐
62	MCG65Z	G0L170472-3	0355365		1.0	12/22/10 14:44		☐
63	MCG7E	G0L170472-5	0355365	2A	1.0	12/22/10 14:47		☐
64	MCG7R	G0L170472-9	0355365	2A	1.0	12/22/10 14:49		☐
65	MCG75	G0L170472-12	0355365	2A	1.0	12/22/10 14:52		☐
66	MCG8C	G0L170472-15	0355365	2A	1.0	12/22/10 14:54		☐
67	MCG8M	G0L170472-18	0355365	2A	1.0	12/22/10 14:57		☐
68	CCV 10				1.0	12/22/10 15:00		☐
69	CCB 10				1.0	12/22/10 15:03		☐
70	CCV 11				1.0	12/22/10 15:05		☐
71	CCB 11				1.0	12/22/10 15:09		☐
74	CCV 12				1.0	12/22/10 15:13		☐
75	CCB 12				1.0	12/22/10 15:17		☐
76	MCHWXB	G0L170000	0351287		1.0	12/22/10 15:20		☐
77	MCHWXC	G0L170000	0351287		1.0	12/22/10 15:24		☐
78	MCHWXL	G0L170000	0351287		1.0	12/22/10 15:28		☐
79	MCG43	G0L170458-1	0351287	2A	1.0	12/22/10 15:32		☐
80	MCG43P5	G0L170458	0351287		5.0	12/22/10 15:35		☐
81	MCG43X	G0L170458-1	0351287	2A	1.0	12/22/10 15:39		☐
82	MCG43Z	G0L170458-1	0351287		1.0	12/22/10 15:43		☐
83	CCV 13				1.0	12/22/10 15:47		☐
84	CCB 13				1.0	12/22/10 15:50		☐
85	MCG48	G0L170458-2	0351287	2A	1.0	12/22/10 15:54		☐
86	MCG5C	G0L170458-3	0351287	2A	1.0	12/22/10 15:58		☐
87	MCG5F	G0L170458-4	0351287	2A	1.0	12/22/10 16:01		☐
88	MCG5H	G0L170458-5	0351287	2A	1.0	12/22/10 16:05		☐
89	CCV 14				1.0	12/22/10 16:09		☐
90	CCB 14				1.0	12/22/10 16:13		☐

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) | M01 (M01) | Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst:** hargraves

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse 2X	12/22/10 10:36	102.5	102.1	104.0	103.5	☐
2	Blank	12/22/10 10:40	100.0	100.0	100.0	100.0	☑
3	Standard1	12/22/10 10:44	99.9	98.9	106.7	99.2	☑
4	ICV	12/22/10 10:48	99.2	98.6	107.0	98.8	☑
5	ICB	12/22/10 10:52	96.7	96.6	100.6	97.2	☑
6	LLSTD1 10X	12/22/10 10:59	99.0	98.0	102.8	97.9	☑
7	LLSTD1 5X	12/22/10 11:03	106.1	104.8	116.1	106.9	☑
8	ICSA	12/22/10 11:06	93.3	90.9	100.8	81.4	☑
9	ICSAB	12/22/10 11:10	93.9	90.8	102.9	81.6	☑
10	Rinse	12/22/10 11:17	106.2	102.5	115.8	103.6	☑
11	CCV 1	12/22/10 11:25	104.7	98.7	116.4	100.4	☑
12	CCB 1	12/22/10 11:28	106.1	100.5	116.8	102.4	☑
15	CCV 2	12/22/10 11:38	101.1	98.5	104.8	99.5	☑
16	CCB 2	12/22/10 11:41	100.9	99.7	101.8	100.0	☑
17	MCM32C	12/22/10 11:45	96.3	97.7	103.7	100.0	☑
18	MCM32L	12/22/10 11:49	97.0	98.2	106.0	101.2	☑
19	Rinse	12/22/10 11:53	97.9	97.7	106.3	101.6	☑
20	MCM32B	12/22/10 12:00	99.7	100.8	105.3	103.8	☑
21	MCMD9	12/22/10 12:04	100.5	100.6	107.4	103.3	☑
22	MCMD9P5	12/22/10 12:07	102.5	99.7	110.4	102.7	☐
23	MCMD9X	12/22/10 12:11	102.1	101.0	108.0	103.4	☑
24	MCMD9Z	12/22/10 12:17	98.7	98.3	110.3	101.7	☑
25	MCMED	12/22/10 12:20	99.0	99.3	108.5	103.2	☑
26	MCMEE	12/22/10 12:24	100.9	100.1	109.7	103.0	☑
27	CCV 3	12/22/10 12:28	99.9	97.1	110.1	98.9	☑
28	CCB 3	12/22/10 12:32	100.0	97.3	108.0	99.8	☑
29	CCV 4	12/22/10 12:35	98.8	95.4	108.4	97.6	☑
30	CCB 4	12/22/10 12:39	101.6	98.5	111.7	102.1	☑
31	MCMEF	12/22/10 12:43	100.3	98.1	105.1	99.9	☑
32	MCMEG	12/22/10 12:47	102.4	101.4	109.2	103.8	☑
33	MCLTGC	12/22/10 12:50	97.7	97.5	108.5	100.1	☑
34	MCLTGL	12/22/10 12:54	95.1	95.1	108.6	99.3	☑
35	Rinse	12/22/10 12:58	96.8	95.5	110.2	100.2	☑
36	MCLTGB	12/22/10 13:05	99.7	99.1	110.9	103.6	☑
37	MCKEN	12/22/10 13:09	100.2	99.3	109.2	101.9	☑
38	MCKENP5	12/22/10 13:13	102.2	97.0	110.4	99.5	☐
39	MCKENX	12/22/10 13:17	104.5	101.8	111.9	103.5	☑
40	MCKENZ	12/22/10 13:20	98.4	97.5	109.7	99.4	☑
41	CCV 5	12/22/10 13:24	98.1	95.6	112.9	98.4	☑
42	CCB 5	12/22/10 13:28	99.0	95.5	110.4	99.7	☑
43	CCV 6	12/22/10 13:32	96.7	92.9	109.0	95.8	☑
44	CCB 6	12/22/10 13:36	97.6	94.8	107.5	97.5	☑
45	MCKEP	12/22/10 13:39	99.4	96.7	105.2	97.8	☑
46	MCKEQ	12/22/10 13:43	100.8	97.0	105.8	98.8	☑
47	MCKER	12/22/10 13:47	101.6	98.3	107.9	99.7	☑
48	MCKET	12/22/10 13:51	102.5	100.6	107.8	102.1	☑

TAL West Sac

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 (M01) Reported: 12/23/10 09:54:52

File ID: 101222A1 **Analyst: hargraves**

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	MCK3R	12/22/10 13:54	103.3	100.3	108.6	101.2	☑
50	MCK34	12/22/10 13:58	102.9	99.2	109.0	100.2	☑
51	MCK35	12/22/10 14:02	103.0	98.3	107.8	98.4	☑
52	MCK37	12/22/10 14:05	102.6	99.2	111.0	100.8	☑
53	MCK4C	12/22/10 14:09	106.2	103.9	114.8	106.5	☑
54	CCV 7	12/22/10 14:13	100.1	95.8	114.2	98.1	☑
55	CCB 7	12/22/10 14:17	99.7	95.7	112.8	98.3	☑
56	CCV 8	12/22/10 14:21	100.2				☑
57	CCB 8	12/22/10 14:23	103.5				☑
58	CCV 9	12/22/10 14:26	103.4				☑
59	CCB 9	12/22/10 14:29	107.2				☑
60	MCG65	12/22/10 14:31	103.2				☑
61	MCG65P5	12/22/10 14:34	107.6				☐
62	MCG65Z	12/22/10 14:44	101.8				☑
63	MCG7E	12/22/10 14:47	100.9				☑
64	MCG7R	12/22/10 14:49	100.0				☑
65	MCG75	12/22/10 14:52	102.2				☑
66	MCG8C	12/22/10 14:54	105.5				☑
67	MCG8M	12/22/10 14:57	106.4				☑
68	CCV 10	12/22/10 15:00	106.4				☑
69	CCB 10	12/22/10 15:03	107.6				☑
70	CCV 11	12/22/10 15:05	100.8	96.3	120.4	98.9	☑
71	CCB 11	12/22/10 15:09	103.2	100.1	122.8	104.3	☑
74	CCV 12	12/22/10 15:13	96.4	95.3	96.0	94.4	☑
75	CCB 12	12/22/10 15:17	99.7	98.9	98.9	99.5	☑
76	MCHWXB	12/22/10 15:20	98.7	99.1	92.9	98.1	☑
77	MCHWXC	12/22/10 15:24	96.3	99.0	97.9	98.2	☑
78	MCHWXL	12/22/10 15:28	91.6	93.5	92.6	94.4	☑
79	MCG43	12/22/10 15:32	93.4	94.4	92.7	94.8	☑
80	MCG43P5	12/22/10 15:35	96.3	94.9	94.7	95.3	☐
81	MCG43X	12/22/10 15:39	97.5	97.7	92.1	96.5	☑
82	MCG43Z	12/22/10 15:43	94.3	95.3	93.5	94.4	☑
83	CCV 13	12/22/10 15:47	92.8	91.9	94.5	91.6	☑
84	CCB 13	12/22/10 15:50	96.3	96.2	97.3	96.8	☑
85	MCG48	12/22/10 15:54	95.7	95.3	91.5	93.8	☑
86	MCG5C	12/22/10 15:58	96.5	95.6	89.8	92.6	☑
87	MCG5F	12/22/10 16:01	96.7	97.2	92.2	94.5	☑
88	MCG5H	12/22/10 16:05	98.8	99.0	93.3	98.2	☑
89	CCV 14	12/22/10 16:09	95.5	92.7	91.9	91.2	☑
90	CCB 14	12/22/10 16:13	95.6	92.9	89.8	91.6	☑

TAL West Sac

CALIBRATION CHECK SUMMARY

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Method: 6020 **Instrument: M01** **Batch: 101222A1**

Sample ID	Type	File - Sequence	Analyzed Date	Q
ICV	***ICV***	***101222A1, 4***	***12/22/2010 10:48:35***	☐
ICB	***ICB***	***101222A1, 5***	***12/22/2010 10:52:24***	☐
ICSA	***ICSA***	***101222A1, 8***	***12/22/2010 11:06:15***	☐
ICSAB	***ICSAB***	***101222A1, 9***	***12/22/2010 11:10:02***	☐
CCV 1	***CCV***	***101222A1, 11***	***12/22/2010 11:25:01***	☐
CCB 1	***CCB***	***101222A1, 12***	***12/22/2010 11:28:51***	☐
CCV 2	***CCV***	***101222A1, 15***	***12/22/2010 11:38:10***	☐
CCB 2	***CCB***	***101222A1, 16***	***12/22/2010 11:41:59***	☐
CCV 3	***CCV***	***101222A1, 27***	***12/22/2010 12:28:19***	☐
CCB 3	***CCB***	***101222A1, 28***	***12/22/2010 12:32:09***	☐
CCV 4	***CCV***	***101222A1, 29***	***12/22/2010 12:35:59***	☐
CCB 4	***CCB***	***101222A1, 30***	***12/22/2010 12:39:48***	☐
CCV 5	***CCV***	***101222A1, 41***	***12/22/2010 13:24:39***	☐
CCB 5	***CCB***	***101222A1, 42***	***12/22/2010 13:28:29***	☐
CCV 6	***CCV***	***101222A1, 43***	***12/22/2010 13:32:19***	☐
CCB 6	***CCB***	***101222A1, 44***	***12/22/2010 13:36:08***	☐
CCV 7	***CCV***	***101222A1, 54***	***12/22/2010 14:13:20***	☐
CCB 7	***CCB***	***101222A1, 55***	***12/22/2010 14:17:10***	☐
CCV 8	***CCV***	***101222A1, 56***	***12/22/2010 14:21:00***	☐
CCB 8	***CCB***	***101222A1, 57***	***12/22/2010 14:23:43***	☐
CCV 9	***CCV***	***101222A1, 58***	***12/22/2010 14:26:25***	☐
CCB 9	***CCB***	***101222A1, 59***	***12/22/2010 14:29:08***	☐
CCV 10	***CCV***	***101222A1, 68***	***12/22/2010 15:00:17***	☐
CCB 10	***CCB***	***101222A1, 69***	***12/22/2010 15:03:00***	☐
CCV 11	***CCV***	***101222A1, 70***	***12/22/2010 15:05:42***	☐
CCB 11	***CCB***	***101222A1, 71***	***12/22/2010 15:09:31***	☐
CCV 12	***CCV***	***101222A1, 74***	***12/22/2010 15:13:21***	☐
CCB 12	***CCB***	***101222A1, 75***	***12/22/2010 15:17:11***	☐
CCV 13	***CCV***	***101222A1, 83***	***12/22/2010 15:47:01***	☐
CCB 13	***CCB***	***101222A1, 84***	***12/22/2010 15:50:50***	☐
CCV 14	***CCV***	***101222A1, 89***	***12/22/2010 16:09:28***	☐
CCB 14	***CCB***	***101222A1, 90***	***12/22/2010 16:13:18***	☐

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **ICV (ICV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 4 Method 6020_
Acquired: 12/22/2010 10:48:35 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***25625***	***80.552***	***80.000***	***101***	
7440-47-3	***Chromium***	***52***	***1030892***	***82.178***	***80.000***	***103***	
7439-96-5	***Manganese***	***55***	***1596180***	***80.856***	***80.000***	***101***	
7440-02-0	***Nickel***	***60***	***263465***	***81.477***	***80.000***	***102***	
7440-50-8	***Copper***	***65***	***257543***	***81.546***	***80.000***	***102***	
7440-66-6	***Zinc***	***68***	***91360***	***81.433***	***80.000***	***102***	
7440-38-2	***Arsenic***	***75***	***248353***	***79.615***	***80.000***	***99.5***	
7440-43-9	***Cadmium***	***111***	***205238***	***80.132***	***80.000***	***100***	
7440-36-0	***Antimony***	***121***	***329527***	***39.335***	***40.000***	***98.3***	
7440-39-3	***Barium***	***135***	***192094***	***80.236***	***80.000***	***100***	
7439-92-1	***Lead***	***208***	***2246641***	***82.700***	***80.000***	***103***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***459536***		☑
7440-56-4	***Germanium***	***72***	***1445242***		☑
7440-74-6	***Indium***	***115***	***1336963***		☑
7440-30-4	***Thulium***	***169***	***876205***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **ICB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 5 Method 6020_
Acquired: 12/22/2010 10:52:24 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	-0.00240	1.0	0.078	0.0	
7440-47-3	Chromium	52	42665	0.48177	2.0	0.92	0.0	
7439-96-5	Manganese	55	2627	-0.00841	1.0	0.083	0.0	
7440-02-0	Nickel	60	232	-0.00113	2.0	0.098	0.0	
7440-50-8	Copper	65	120	-0.00270				
7440-66-6	Zinc	68	894	0.05477	5.0	1.0	0.0	
7440-38-2	Arsenic	75	15929	0.22050	2.0	0.50	0.0	
7440-43-9	Cadmium	111	41	0.00571	1.0	0.074	0.0	
7440-36-0	Antimony	121	696	0.07582	2.0	0.036	0.0	
7440-39-3	Barium	135	62	0.00160	1.0	0.96	0.0	
7439-92-1	Lead	208	1264	0.00411	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	432313		☑
7440-56-4	Germanium	72	1407846		☑
7440-74-6	Indium	115	1310126		☑
7440-30-4	Thulium	169	861970		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **ICSA** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 8 Method 6020_
Acquired: 12/22/2010 11:06:15 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***3***	***-0.00455***		*	☑
7440-47-3	***Chromium***	***52***	***73669***	***3.3446***		*	
7439-96-5	***Manganese***	***55***	***125797***	***6.6478***		*	
7440-02-0	***Nickel***	***60***	***6564***	***2.0867***		*	
7440-50-8	***Copper***	***65***	***-97***	***-0.07531***		*	
7440-66-6	***Zinc***	***68***	***2108***	***1.2477***		*	☑
7440-38-2	***Arsenic***	***75***	***17488***	***0.99113***		*	☑
7440-43-9	***Cadmium***	***111***	***2414***	***1.0116***		*	☑
7440-36-0	***Antimony***	***121***	***1549***	***0.19174***		*	☑
7440-39-3	***Barium***	***135***	***5886***	***2.6421***		*	
7439-92-1	***Lead***	***208***	***10402***	***0.42170***		*	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***432769***		☑
7440-56-4	***Germanium***	***72***	***1358390***		☑
7440-74-6	***Indium***	***115***	***1232752***		☑
7440-30-4	***Thulium***	***169***	***721998***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **ICSAB** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 9 Method 6020_
Acquired: 12/22/2010 11:10:02 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***30368***	***99.279***	***100.00***	***99.3***	☑
7440-47-3	***Chromium***	***52***	***1235881***	***104.97***	***100.00***	***105***	☑
7439-96-5	***Manganese***	***55***	***1994468***	***106.84***	***100.00***	***107***	☑
7440-02-0	***Nickel***	***60***	***289433***	***94.632***	***100.00***	***94.6***	☑
7440-50-8	***Copper***	***65***	***265638***	***88.911***	***100.00***	***88.9***	☑
7440-66-6	***Zinc***	***68***	***97189***	***91.659***	***100.00***	***91.7***	☑
7440-38-2	***Arsenic***	***75***	***303095***	***104.24***	***100.00***	***104***	☑
7440-43-9	***Cadmium***	***111***	***234426***	***99.317***	***100.00***	***99.3***	☑
7440-36-0	***Antimony***	***121***	***390509***	***50.586***	***50.000***	***101***	☑
7440-39-3	***Barium***	***135***	***223594***	***101.35***	***100.00***	***101***	☑
7439-92-1	***Lead***	***208***	***2180813***	***97.229***	***100.00***	***97.2***	☑

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***441979***		☑
7440-56-4	***Germanium***	***72***	***1367452***		☑
7440-74-6	***Indium***	***115***	***1232073***		☑
7440-30-4	***Thulium***	***169***	***723423***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 1 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 11 Method 6020_
Acquired: 12/22/2010 11:25:01 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***35259***	***101.90***	***100.00***	***102***	
7440-47-3	***Chromium***	***52***	***1381499***	***105.20***	***100.00***	***105***	
7439-96-5	***Manganese***	***55***	***2210228***	***106.12***	***100.00***	***106***	
7440-02-0	***Nickel***	***60***	***345410***	***101.22***	***100.00***	***101***	
7440-50-8	***Copper***	***65***	***336356***	***100.90***	***100.00***	***101***	
7440-66-6	***Zinc***	***68***	***121099***	***102.44***	***100.00***	***102***	
7440-38-2	***Arsenic***	***75***	***325563***	***100.17***	***100.00***	***100***	
7440-43-9	***Cadmium***	***111***	***260703***	***101.58***	***100.00***	***102***	
7440-36-0	***Antimony***	***121***	***428967***	***51.105***	***50.000***	***102***	
7440-39-3	***Barium***	***135***	***242195***	***100.96***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2821338***	***102.18***	***100.00***	***102***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***499876***		☑
7440-56-4	***Germanium***	***72***	***1525613***		☑
7440-74-6	***Indium***	***115***	***1339552***		☑
7440-30-4	***Thulium***	***169***	***890556***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 1** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 12 Method 6020_
Acquired: 12/22/2010 11:28:51 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***7***	***0.00523***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***43464***	***0.22098***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***2886***	***-0.00832***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***268***	***0.00293***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***170***	***0.00876***				
7440-66-6	***Zinc***	***68***	***980***	***0.05339***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***17605***	***0.26071***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***50***	***0.00859***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***202***	***0.01473***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***88***	***0.01125***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***1264***	***0.00167***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***501792***		☑
7440-56-4	***Germanium***	***72***	***1545532***		☑
7440-74-6	***Indium***	***115***	***1363766***		☑
7440-30-4	***Thulium***	***169***	***908143***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 2 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 15 Method 6020_
Acquired: 12/22/2010 11:38:10 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***36836***	***99.346***	***100.00***	***99.3***	
7440-47-3	***Chromium***	***52***	***1397932***	***98.749***	***100.00***	***98.7***	
7439-96-5	***Manganese***	***55***	***2249813***	***99.385***	***100.00***	***99.4***	
7440-02-0	***Nickel***	***60***	***344701***	***97.437***	***100.00***	***97.4***	
7440-50-8	***Copper***	***65***	***336759***	***97.762***	***100.00***	***97.8***	
7440-66-6	***Zinc***	***68***	***123334***	***99.443***	***100.00***	***99.4***	
7440-38-2	***Arsenic***	***75***	***329569***	***98.762***	***100.00***	***98.8***	
7440-43-9	***Cadmium***	***111***	***259550***	***99.328***	***100.00***	***99.3***	
7440-36-0	***Antimony***	***121***	***431305***	***50.158***	***50.000***	***100***	
7440-39-3	***Barium***	***135***	***244190***	***100.60***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2868233***	***100.20***	***100.00***	***100***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***525845***		☑
7440-56-4	***Germanium***	***72***	***1562515***		☑
7440-74-6	***Indium***	***115***	***1342724***		☑
7440-30-4	***Thulium***	***169***	***903611***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 2** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 16 Method 6020_
Acquired: 12/22/2010 11:41:59 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***8***	***0.00031***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***40594***	***-0.23732***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***2943***	***0.00135***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***327***	***0.01593***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***212***	***0.01147***				
7440-66-6	***Zinc***	***68***	***956***	***-0.02719***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***17474***	***-0.08984***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***66***	***0.00598***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***268***	***0.00767***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***103***	***0.00601***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***1658***	***0.01371***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***510612***		☑
7440-56-4	***Germanium***	***72***	***1559046***		☑
7440-74-6	***Indium***	***115***	***1359040***		☑
7440-30-4	***Thulium***	***169***	***907721***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 3 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 27 Method 6020_
Acquired: 12/22/2010 12:28:19 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***39321***	***100.90***	***100.00***	***101***	
7440-47-3	***Chromium***	***52***	***1407964***	***100.68***	***100.00***	***101***	
7439-96-5	***Manganese***	***55***	***2235459***	***99.902***	***100.00***	***99.9***	
7440-02-0	***Nickel***	***60***	***336012***	***96.084***	***100.00***	***96.1***	
7440-50-8	***Copper***	***65***	***327671***	***96.233***	***100.00***	***96.2***	
7440-66-6	***Zinc***	***68***	***120873***	***98.597***	***100.00***	***98.6***	
7440-38-2	***Arsenic***	***75***	***319153***	***96.645***	***100.00***	***96.6***	
7440-43-9	***Cadmium***	***111***	***253079***	***98.247***	***100.00***	***98.2***	
7440-36-0	***Antimony***	***121***	***426154***	***50.275***	***50.000***	***101***	
7440-39-3	***Barium***	***135***	***240348***	***100.45***	***100.00***	***100***	
7439-92-1	***Lead***	***208***	***2877956***	***101.19***	***100.00***	***101***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***552500***		☑
7440-56-4	***Germanium***	***72***	***1544553***		☑
7440-74-6	***Indium***	***115***	***1323542***		☑
7440-30-4	***Thulium***	***169***	***897799***		☑

Reviewed by: Date:

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 3** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 28 Method 6020_
Acquired: 12/22/2010 12:32:09 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	12	0.00979	1.0	0.078	0.0	
7440-47-3	Chromium	52	39558	-0.28681	2.0	0.92	0.0	
7439-96-5	Manganese	55	2836	-0.00228	1.0	0.083	0.0	
7440-02-0	Nickel	60	588	0.09148	2.0	0.098	0.0	
7440-50-8	Copper	65	301	0.03838				
7440-66-6	Zinc	68	871	-0.08949	5.0	1.0	0.0	
7440-38-2	Arsenic	75	17321	-0.08836	2.0	0.50	0.0	
7440-43-9	Cadmium	111	88	0.01524	1.0	0.074	0.0	
7440-36-0	Antimony	121	391	0.02286	2.0	0.036	0.0	
7440-39-3	Barium	135	115	0.01219	1.0	0.96	0.0	
7439-92-1	Lead	208	1657	0.01368	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	541920		☑
7440-56-4	Germanium	72	1544971		☑
7440-74-6	Indium	115	1327359		☑
7440-30-4	Thulium	169	906192		☑

Reviewed by: Date:

TAL West Sac

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001) | M01 | Reported: 12/23/10 09:55:19

Department: 120 (Metals) | Source: MetEdit

Sample: **CCV 4 (CCV)** | Mult: **1.00** | Dilf: **1.00** | Divs: **1.000**

Instrument: **ICPMS M01** | Channel 261
File: 101222A1 # 29 | Method 6020_
Acquired: 12/22/2010 12:35:59 | M01
Calibrated: 12/22/2010 10:40:51 | Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***38894***	***101.34***	***100.00***	***101***	
7440-47-3	***Chromium***	***52***	***1392073***	***100.67***	***100.00***	***101***	
7439-96-5	***Manganese***	***55***	***2196142***	***99.247***	***100.00***	***99.2***	
7440-02-0	***Nickel***	***60***	***326592***	***94.445***	***100.00***	***94.4***	
7440-50-8	***Copper***	***65***	***321940***	***95.614***	***100.00***	***95.6***	
7440-66-6	***Zinc***	***68***	***119311***	***98.407***	***100.00***	***98.4***	
7440-38-2	***Arsenic***	***75***	***314146***	***96.168***	***100.00***	***96.2***	
7440-43-9	***Cadmium***	***111***	***248671***	***98.180***	***100.00***	***98.2***	
7440-36-0	***Antimony***	***121***	***421535***	***50.572***	***50.000***	***101***	
7440-39-3	***Barium***	***135***	***236235***	***100.41***	***100.00***	***100***	
7439-92-1	***Lead***	***208***	***2849203***	***101.43***	***100.00***	***101***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***544148***		☑
7440-56-4	***Germanium***	***72***	***1527333***		☑
7440-74-6	***Indium***	***115***	***1301564***		☑
7440-30-4	***Thulium***	***169***	***886712***		☑

Reviewed by: | Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 4** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 30 Method 6020_
Acquired: 12/22/2010 12:39:48 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	-0.00485	1.0	0.078	0.0	
7440-47-3	Chromium	52	42741	-0.10223	2.0	0.92	0.0	
7439-96-5	Manganese	55	2809	-0.00545	1.0	0.083	0.0	
7440-02-0	Nickel	60	485	0.05990	2.0	0.098	0.0	
7440-50-8	Copper	65	241	0.01945				
7440-66-6	Zinc	68	1008	0.00978	5.0	1.0	0.0	
7440-38-2	Arsenic	75	16643	-0.38865	2.0	0.50	0.0	
7440-43-9	Cadmium	111	55	0.00231	1.0	0.074	0.0	
7440-36-0	Antimony	121	264	0.00761	2.0	0.036	0.0	
7440-39-3	Barium	135	119	0.01296	1.0	0.96	0.0	
7439-92-1	Lead	208	1362	0.00234	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	560365		☑
7440-56-4	Germanium	72	1569766		☑
7440-74-6	Indium	115	1343312		☑
7440-30-4	Thulium	169	926918		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 5 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 41 Method 6020_
Acquired: 12/22/2010 13:24:39 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***40234***	***100.68***	***100.00***	***101***	
7440-47-3	***Chromium***	***52***	***1373503***	***100.01***	***100.00***	***100***	
7439-96-5	***Manganese***	***55***	***2167596***	***98.659***	***100.00***	***98.7***	
7440-02-0	***Nickel***	***60***	***323001***	***94.077***	***100.00***	***94.1***	
7440-50-8	***Copper***	***65***	***316550***	***94.687***	***100.00***	***94.7***	
7440-66-6	***Zinc***	***68***	***119381***	***99.181***	***100.00***	***99.2***	
7440-38-2	***Arsenic***	***75***	***313568***	***96.711***	***100.00***	***96.7***	
7440-43-9	***Cadmium***	***111***	***247804***	***97.668***	***100.00***	***97.7***	
7440-36-0	***Antimony***	***121***	***421561***	***50.488***	***50.000***	***101***	
7440-39-3	***Barium***	***135***	***236133***	***100.18***	***100.00***	***100***	
7439-92-1	***Lead***	***208***	***2875920***	***101.59***	***100.00***	***102***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***566774***		☑
7440-56-4	***Germanium***	***72***	***1516423***		☑
7440-74-6	***Indium***	***115***	***1303760***		☑
7440-30-4	***Thulium***	***169***	***893794***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 5** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 42 Method 6020_
Acquired: 12/22/2010 13:28:29 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	10	0.00486	1.0	0.078	0.0	
7440-47-3	Chromium	52	38933	-0.30191	2.0	0.92	0.0	
7439-96-5	Manganese	55	2759	-0.00453	1.0	0.083	0.0	
7440-02-0	Nickel	60	388	0.03538	2.0	0.098	0.0	
7440-50-8	Copper	65	283	0.03396				
7440-66-6	Zinc	68	950	-0.01621	5.0	1.0	0.0	
7440-38-2	Arsenic	75	16789	-0.19827	2.0	0.50	0.0	
7440-43-9	Cadmium	111	87	0.01530	1.0	0.074	0.0	
7440-36-0	Antimony	121	378	0.02214	2.0	0.036	0.0	
7440-39-3	Barium	135	116	0.01313	1.0	0.96	0.0	
7439-92-1	Lead	208	1563	0.01036	1.0	0.066	0.0	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	Lithium-6	6	553944		☑
7440-56-4	Germanium	72	1529927		☑
7440-74-6	Indium	115	1302479		☑
7440-30-4	Thulium	169	905686		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 6 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 43 Method 6020_
Acquired: 12/22/2010 13:32:19 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***39590***	***102.61***	***100.00***	***103***	
7440-47-3	***Chromium***	***52***	***1364963***	***100.85***	***100.00***	***101***	
7439-96-5	***Manganese***	***55***	***2135415***	***98.607***	***100.00***	***98.6***	
7440-02-0	***Nickel***	***60***	***319708***	***94.466***	***100.00***	***94.5***	
7440-50-8	***Copper***	***65***	***316396***	***96.012***	***100.00***	***96.0***	
7440-66-6	***Zinc***	***68***	***116867***	***98.486***	***100.00***	***98.5***	
7440-38-2	***Arsenic***	***75***	***309186***	***96.742***	***100.00***	***96.7***	
7440-43-9	***Cadmium***	***111***	***243595***	***98.788***	***100.00***	***98.8***	
7440-36-0	***Antimony***	***121***	***414615***	***51.097***	***50.000***	***102***	
7440-39-3	***Barium***	***135***	***231060***	***100.87***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2825936***	***102.57***	***100.00***	***103***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***547030***		☑
7440-56-4	***Germanium***	***72***	***1494802***		☑
7440-74-6	***Indium***	***115***	***1267209***		☑
7440-30-4	***Thulium***	***169***	***869766***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 6** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 44 Method 6020_
Acquired: 12/22/2010 13:36:08 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***14***	***0.01512***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***38700***	***-0.27990***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***2699***	***-0.00538***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***383***	***0.03533***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***260***	***0.02828***				
7440-66-6	***Zinc***	***68***	***917***	***-0.03259***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***17069***	***-0.03478***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***83***	***0.01420***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***316***	***0.01503***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***112***	***0.01182***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***1587***	***0.01257***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***539336***		☑
7440-56-4	***Germanium***	***72***	***1507803***		☑
7440-74-6	***Indium***	***115***	***1293445***		☑
7440-30-4	***Thulium***	***169***	***885453***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 7 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 54 Method 6020_
Acquired: 12/22/2010 14:13:20 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	***Beryllium***	***9***	***41359***	***102.33***	***100.00***	***102***	
7440-47-3	***Chromium***	***52***	***1415546***	***101.02***	***100.00***	***101***	
7439-96-5	***Manganese***	***55***	***2226470***	***99.295***	***100.00***	***99.3***	
7440-02-0	***Nickel***	***60***	***333673***	***95.221***	***100.00***	***95.2***	
7440-50-8	***Copper***	***65***	***330124***	***96.761***	***100.00***	***96.8***	
7440-66-6	***Zinc***	***68***	***122263***	***99.525***	***100.00***	***99.5***	
7440-38-2	***Arsenic***	***75***	***320810***	***96.961***	***100.00***	***97.0***	
7440-43-9	***Cadmium***	***111***	***251431***	***98.847***	***100.00***	***98.8***	
7440-36-0	***Antimony***	***121***	***428331***	***51.170***	***50.000***	***102***	
7440-39-3	***Barium***	***135***	***239354***	***101.31***	***100.00***	***101***	
7439-92-1	***Lead***	***208***	***2867501***	***101.61***	***100.00***	***102***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***573156***		☑
7440-56-4	***Germanium***	***72***	***1547604***		☑
7440-74-6	***Indium***	***115***	***1307094***		☑
7440-30-4	***Thulium***	***169***	***890723***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 7** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 55 Method 6020_
Acquired: 12/22/2010 14:17:10 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	***Beryllium***	***9***	***15***	***0.01739***	***1.0***	***0.078***	***0.0***	
7440-47-3	***Chromium***	***52***	***42332***	***-0.07560***	***2.0***	***0.92***	***0.0***	
7439-96-5	***Manganese***	***55***	***2802***	***-0.00348***	***1.0***	***0.083***	***0.0***	
7440-02-0	***Nickel***	***60***	***360***	***0.02636***	***2.0***	***0.098***	***0.0***	
7440-50-8	***Copper***	***65***	***308***	***0.04073***				
7440-66-6	***Zinc***	***68***	***938***	***-0.03202***	***5.0***	***1.0***	***0.0***	
7440-38-2	***Arsenic***	***75***	***16855***	***-0.22669***	***2.0***	***0.50***	***0.0***	
7440-43-9	***Cadmium***	***111***	***75***	***0.01056***	***1.0***	***0.074***	***0.0***	
7440-36-0	***Antimony***	***121***	***302***	***0.01298***	***2.0***	***0.036***	***0.0***	
7440-39-3	***Barium***	***135***	***111***	***0.01088***	***1.0***	***0.96***	***0.0***	
7439-92-1	***Lead***	***208***	***1564***	***0.01132***	***1.0***	***0.066***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
LITHIUM6	***Lithium-6***	***6***	***566059***		☑
7440-56-4	***Germanium***	***72***	***1541645***		☑
7440-74-6	***Indium***	***115***	***1305329***		☑
7440-30-4	***Thulium***	***169***	***892369***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 8 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 56 Method 6020_
Acquired: 12/22/2010 14:21:00 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	***Manganese***	***55***	***2272104***	***101.32***	***100.00***	***101***	
7440-38-2	***Arsenic***	***75***	***322883***	***97.598***	***100.00***	***97.6***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1548107***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 8** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 57 Method 6020_
Acquired: 12/22/2010 14:23:43 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	***Manganese***	***55***	***2825***	***-0.00705***	***1.0***	***0.083***	***0.0***	
7440-38-2	***Arsenic***	***75***	***16878***	***-0.41798***	***2.0***	***0.50***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1600129***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 9 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01**
File: 101222A1 # 58
Acquired: 12/22/2010 14:26:25
Calibrated: 12/22/2010 10:40:51

Channel 261
Method 6020_
M01

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	***Manganese***	***55***	***2345063***	***101.34***	***100.00***	***101***	
7440-38-2	***Arsenic***	***75***	***332781***	***97.475***	***100.00***	***97.5***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1597440***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 9** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 59 Method 6020_
Acquired: 12/22/2010 14:29:08 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	***Manganese***	***55***	***2913***	***-0.00756***	***1.0***	***0.083***	***0.0***	
7440-38-2	***Arsenic***	***75***	***17265***	***-0.47935***	***2.0***	***0.50***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1656913***		☑

Reviewed by: Date:

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCV 10 (CCV)** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 68 Method 6020_
Acquired: 12/22/2010 15:00:17 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7439-96-5	***Manganese***	***55***	***2401077***	***100.78***	***100.00***	***101***	
7440-38-2	***Arsenic***	***75***	***341932***	***97.279***	***100.00***	***97.3***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1644644***		☑

Reviewed by: Date:

TAL West Sac

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:55:19

Department: 120 (Metals) Source: MetEdit

Sample: **CCB 10** Mult: **1.00** Dilf: **1.00** Divs: **1.000**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 69 Method 6020_
Acquired: 12/22/2010 15:03:00 M01
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7439-96-5	***Manganese***	***55***	***7601***	***0.18690***	***1.0***	***0.083***	***0.0***	
7440-38-2	***Arsenic***	***75***	***17193***	***-0.51903***	***2.0***	***0.50***	***0.0***	

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1662510***		☑

Reviewed by: Date:

TAL West Sac

SERIAL DILUTION

Method: 6020 (SOP: SAC-MT-001) | M01 | Reported: 12/23/10 09:56:53

Department: 120 (Metals) | Source: MetEdit

Sample: **MCG65P5** | Serial Dilution: **5.00** | Sample Dilution: **1.00**

Instrument: **ICPMS M01** | Channel 261
File: 101222A1 # 61 | Method 6020_
Acquired: 12/22/2010 14:34:21 | M01 | Matrix: AIR
Calibrated: 12/22/2010 10:40:51 | Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7439-96-5	***Manganese***	***55***	***4939262***	***1025.4***	***1060.2***	***3.29***	***0.14***	***3.3***	☑
7440-38-2	***Arsenic***	***75***	***17098***	***-2.7550***	***0.13551***	***2130***	***0.41***	***NC***	☑

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1663670***		☐

**** Analyte not requested for this batch, no MDL***

NC : Serial dilution concentration < 100 X MDL

E : Difference greater than Limit (10%)

Reviewed by: | Date:

TAL West Sac

SAMPLE SPIKE

Method: 6020 (SOP: SAC-MT-001) M01 Reported: 12/23/10 09:57:00

Department: 120 (Metals) Source: MetEdit

Sample: **MCG65Z** Spike Dilution: **1.00** Sample Dilution: **1.00**

Instrument: **ICPMS M01** Channel 261
File: 101222A1 # 62 Method 6020_
Acquired: 12/22/2010 14:44:26 M01 Matrix: AIR
Calibrated: 12/22/2010 10:40:51 Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7439-96-5	***Manganese***	***55***	***28027825***	***1231.3***	***1060.2***	***85.5***	***200***	*	☑
7440-38-2	***Arsenic***	***75***	***624982***	***191.00***	***0.13551***	***95.4***	***200***		☑

CASN	ISTD Name	M/S	Area	Amount	Q
7440-56-4	***Germanium***	***72***	***1573453***		☑

Reviewed by: Date:

Sample Preparation Log

TestAmerica - West Sacramento
Metals - Air Toxics - Preparation Log

Date: 21-Dec-10 **Analyst:** ff **Matrix:** AIR

Fraction: Filter **SOP:** WS-IP-0001 **Method:** ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G0L210000	365	MCM2EB	2A	NA	NA	NA	100 mL	355365	1.2
G0L210000	365	MCM2EC	2A	NA	NA	NA	100 mL	355365	1.2
G0L210000	365	MCM2EL	2A	NA	NA	NA	100 mL	355365	1.2
G0L170472	3	MCG65	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2
G0L170472	5	MCG7E	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2
G0L170472	9	MCG7R	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2
G0L170472	12	MCG75	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2
G0L170472	15	MCG8C	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2
G0L170472	18	MCG8M	2A	9 inches	0.75 inches	0.75 inches	100 mL	355365	1.2

For the cassette filter digest the whole filter is used.
For 1" filter: factor = 9 (9/1).
For 0.75" filter factor = 12 (9/0.75).

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Metals Spiking Documentation Form

Lot #(s): G0L170472-3,5,9,12,15,18 , G0L210459 1-5

Batch Number: 0355379/0355365

EPA Analytical Method ID: 6020

Spiked Date: 12/21/10

MS Sample(s): N/A

EPA Prep Method ID: 24

Hot Plate Microwave ID: 5

Analyst Initial/Date: PF 12/21/10

Witness Initial/Date: 12/21/10 NM

Hot Plate Temp Initial: 93C Final: 93C

Correct Folder ID Witness: N/A

Digestion Cup Lot #: 1008257

Filter Paper Lot #: 390427

Thermometer ID: 15/2

Fin Vol Cup Lot: 100807

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/LCSD Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO_3	Ca, Mg	5,000				
		Al, As, Ba, Se, Sn, Tl	200				
		Fe,Mo,Ti	100				
		Sb,Co,Pb,Mn,Ni,V,Zn	50				
		Cu	25				
		Cr	20				
		,Be,Cd	5				
		Ag	5.0				
	ICP Part 2 2% HNO_3	K,Na	5,000				
		P,S	1,000				
		B,Li,Sr	100				
	Si H20/Tr HF	Si	1,000			PF 12/21/10	
✓	TACA-1 5% HNO_3	Al,K,Mg,Ca,Na,Fe,P,B	500	3189-6-15	200uL	N/A	8/31/11
		As,Be,Cd,Cr,Co,Cu,Pb, Mn,Ni,Se,U,V,Zn,Ba,Li Sr	100				
		Ag,Tl	25				
✓	TACA-2 5% HNO_3	Mo, Sb, Sn, Ti	100	3189-6-16	200uL	N/A	8/31/11
	Misc. Elements					PF 12/21/10	

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
	70% HNO_3	Mallinckrodt			30% H_2O_2	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	
✓	3M HNO_3	In-House	4028-36-3		1:1 HCl	In-House	PF 12/21/11

ICP matrix spike and LCS: For final volumes of 100ml, add 1mL from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.
ICPMS matrix spike and LCS: For final volumes of 100ml, add 0.2 mL each of TACA-1 and TACA-2.
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

West Sacramento

Preparation Data Review Checklist

Prep Batch(es) 0355379/035545 **Test:** 6020

Prep Date: 12/21/10 **Holding Times:** 6/18/11 6/13/11 **NCM:** Y (N)

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

Spike witness: WM Date: 12/21/10

2nd Level Reviewer: SH Date: 12/22/10

Comments:

AIR, TSP-
Total Suspended
Particulates

Raw Data Package

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G0L170472-3,5,9,12,15,18 Batch #: 0362378

ANALYSIS: (circle) (TSP/PM10) or METHOD 5

DATE: 12/28/10 **ANALYST:** EL/JZ

LEVEL 1 ANALYSIS REVIEW	YES	NO	NA
1. Samples are in good condition.	✓		
2. Sample filter number matches the folder or petri ID number.	✓		
3. Desiccator temperature and % humidity criteria in control.	✓		
4. Balance calibration criteria met.	✓		
5. Beginning and ending calibration sample bracket weights are in calibration.	✓		
6. Samples reached stable weight.	✓		
7. Samples exceeded 5 consecutive final weighings.		✓	
LEVEL 1 DATA REVIEW			
1. Benchsheet is complete.	✓		
2. QAS or QAPP consulted and followed for client specifics.	✓		
3. Data entered in properly.	✓		
4. Copy of spreadsheet or logbook raw data entry attached to data package.	✓		
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.	~~✓~~ EL 12/28/10		✓

Completed By & Date: ECf 12/28/10

LEVEL 2 REVIEW:			
1. Level 1 checklist complete and verified.	✓		
2. Deviations, Anomalies, Holding times checked and approved.			✓
3. Reanalysis documented and chemist notified.	✓		
4. Client specific criteria met.	✓		
5. Data entry checked and released in Quantims.	✓		
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).	✓		

Completed By & Date: MAT 12/28/10

Comments: Dessicator 1A

RQC050 TestAmerica Laboratories, Inc. Run Date: 12/28/10
WET CHEM BATCHSHEET Time: 13:43:12

TestAmerica West Sacramen

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
QC BATCH #: **0362378** INITIALS: DATA ENTRY:
PREP DATE: 12/20/10 11:01 PREP JZ INITIALS EL
COMP DATE: 12/21/10 9:56 ANAL JZ DATE 12/28/10
USER: LARSONE

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
MCG65-1-AA	G-0L170472-003	XX S 88 AO 3W	M	12/21/10	UW-12132010B
MCG7E-1-AA	G-0L170472-005	XX S 88 AO 3W	M	12/21/10	DW-12132010B
MCG7R-1-AA	G-0L170472-009	XX S 88 AO 3W	M	12/21/10	UW-12142010B
MCG75-1-AA	G-0L170472-012	XX S 88 AO 3W	M	12/21/10	DW-12142010B
MCG8C-1-AA	G-0L170472-015	XX S 88 AO 3W	M	12/21/10	UW-12152010B
MCG8M-1-AA	G-0L170472-018	XX S 88 AO 3W	M	12/21/10	DW-12152010B

Control Limits

PDE115

TestAmerica Laboratories, Inc.
Inorganics Batch Review
QC Batch **0362378**

Date 12/28/2010
Time 12:49:37

Method Code:**AO Particulates in Air, Suspended "TSP HiVol" (APP B)**
Analyst:**erica X. larson**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
MCG65-1-AA	0.0357	g	0.0005	12/20-12/21/10	.00	N		0.036	0.00050	1.00
MCG7E-1-AA	0.0373	g	0.0005	12/20-12/21/10	.00	N		0.037	0.00050	1.00
MCG7R-1-AA	0.0529	g	0.0005	12/20-12/21/10	.00	N		0.053	0.00050	1.00
MCG75-1-AA	0.0496	g	0.0005	12/20-12/21/10	.00	N		0.050	0.00050	1.00
MCG8C-1-AA	0.0240	g	0.0005	12/20-12/21/10	.00	N		0.024	0.00050	1.00
MCG8M-1-AA	0.0221	g	0.0005	12/20-12/21/10	.00	N		0.022	0.00050	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

TestAmerica

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5g wt	5.0004 112310skv1636	5.0000 112410skv0731	4.9999 122010jz1101	4.9999 122010jz1742	5.0000 122110tp0953				0.0000
MA8DL 121310jz0840	tron112310-76	4.3772 112310skv1636	4.3778 112410skv0731	4.4623 121410jz1115	4.4625 121410jz1839					0.0847
MAWEP 120610jz1000	tron112310-77	4.3738 112310skv1636	4.3735 112410skv0732	4.4372 120710jz1155	4.4374 120710jz1812					0.0639
MAWEQ 120610jz1000	tron112310-78	4.3781 112310skv1637	4.3776 112410skv0735	4.4526 120710jz1156	4.4527 120710jz1815					0.0751
MA8DR 121310jz0840	tron112310-79	4.3880 112310skv1638	4.3882 112410skv0738	4.4498 121410jz1117	4.4503 121410jz1840					0.0621
MA8DH 121310jz0840	tron112310-80	4.3796 112310skv1639	4.3794 112410skv0738	4.3960 121410jz1120	4.3960 121410jz1841					0.0166
MA8C9 121310jz0840	tron112310-81	4.3631 112310skv1639	4.3629 112410skv0738	4.4293 121410jz1122	4.4288 121410jz1844					0.0659
MA1XW 120810jz1035	tron112310-82	4.3812 112310skv1640	4.3816 112410skv0739	4.4442 120910jz1211	4.4440 120910jz1826					0.0624
MA1X8 120810jz1035	tron112310-83	4.3762 112310skv1640	4.3763 112410skv0739	4.4371 120910jz1213	4.4371 120910jz1827					0.0608
[illegible]	tron112310-84	4.3756 112310skv1640	4.3756 112410skv0740	4.4250 122010jz1102	4.4252 122010jz1743					0.0496
MCG7R 121710jz1115	tron112310-85	4.3786 112310skv1641	4.3790 112410skv0741	4.4321 122010jz1103	4.4319 122010jz1745					0.0529
	5g wt	5.0002 112310skv1642	4.9997 112410skv0742	4.9999 121410jz1124	5.0000 121410jz1845					0.0003
	5g wt	5.0002 112310skv1642	4.9997 112410skv0742	5.0000 121510jz1154	5.0000 121610jz1028	4.9999 121610jz1721	4.9999 121710jz1124			0.0002
MCG65 121710jz1115	tron112310-86	4.3995 112310skv1644	4.4000 112410skv0743	4.4359 122010jz1105	4.4357 122010jz1747					0.0357
MCG7E 121710jz1115	tron112310-87	4.3731 112310skv1647	4.3731 112410skv0744	4.4108 122010jz1108	4.4100 122010jz1750	4.4104 122110tp0954				0.0373
MCAJA 121410jz1050	tron112310-88	4.3949 112310skv1647	4.3953 112410skv0745	4.4455 121510jz1155	4.4444 121610jz1030	4.4449 121610jz1723				0.0496
MCAH6 121410jz1050	tron112310-89	4.4021 112310skv1648	4.4024 112410skv0745	4.4691 121510jz1157	4.4666 121610jz1032	4.4672 121610jz1726	4.4674 121710jz1125			0.0650
MCAHT 121410jz1050	tron112310-90	4.4024 112310skv1648	4.4022 112410skv0746	4.4764 121510jz1159	4.4749 121610jz1034	4.4755 121610jz1728	4.4753 121710jz1127			0.0731

rev 020303

N:/atg/air/airgray3k.xls

Page 1 of 3 Batch#: 0362378

Reviewed by: mas 1/28/4

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

TestAmerica

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
MCAH0 121410jz1050	tron112310-91	4.3857 112310skv1648	4.3860 112410skv0746	4.4358 121510jz1200	4.4338 121610jz1036	4.4341 121610jz1729				0.0481
MA11P 120810jz1035	tron112310-92	4.3979 112310skv1649	4.3982 112410skv0746	4.4321 120910jz1216	4.4317 120910jz1829					0.0335
MA12P 120810jz1035	tron112310-93	4.3935 112310skv1649	4.3939 112410skv0747	4.4221 120910jz1217	4.4219 120910jz1831					0.0280
MAWER 120610jz1000	tron112310-94	4.3779 112310skv1650	4.3780 112410skv0747	4.4556 120710jz1157	4.4555 120710jz1822					0.0775
MAWEX 120610jz1000	tron112310-95	4.3891 112310skv1650	4.3889 112410skv0747	4.4336 120710jz1159	4.4334 120710jz1824					0.0445
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	4.9999 120710jz1200	4.9999 120710jz1826					0.0001
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	4.9998 120910jz1219	4.9998 120910jz1832					0.0000
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	4.9998 121510jz1202	4.9999 121610jz1037	4.9998 121610jz1730	4.9998 121710jz1127			0.0000
	5g wt	5.0001 112310skv1651	4.9998 112410skv0748	[redacted]	5.0001 122010jz1751	[redacted]				0.0003

SOP# : Sac-IP-0006

GRAVIMETRIC BALANCE: QA-45

TestAmerica

WEST SACRAMENTO

AIR TOXICS GRAVIMETRIC ANALYSES

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)
	5 g wt	5.0002 121310skv1154	5.0002 121310skv1154	5.0000 122010jz1110	5.0000 122010jz1754					-0.0002
	tron121310-106	4.5548 121310skv1155	4.5548 121310skv1155							NC
	tron121310-107	4.5146 121310skv1155	4.5146 121310skv1155							NC
	tron121310-108	4.5481 121310skv1156	4.5481 121310skv1156							NC
	tron121310-109	4.5386 121310skv1156	4.5386 121310skv1156							NC
	tron121310-110	4.5447 121310skv1157	4.5447 121310skv1157							NC
	tron121310-111	4.5311 121310skv1157	4.5311 121310skv1157							NC
	tron121310-112	4.5574 121310skv1158	4.5574 121310skv1158							NC
MCG8M 121710jz1115	tron121310-113	4.5393 121310skv1158	4.5393 121310skv1158	4.5614 122010jz1112	4.5614 122010jz1756					0.0221
	tron121310-114	4.5416 121310skv1159	4.5416 121310skv1159							NC
MCG8C 121710jz1115	tron121310-115	4.5201 121310skv1200	4.5201 121310skv1200	4.5445 122010jz1113	4.5441 122010jz1758					0.0240
	5 g wt	5.0004 121310skv1200	5.0004 121310skv1200	4.9998 122010jz1115	4.9998 122010jz1758					-0.0006

rev 020303

N:/atg/air/airgrav3k.xls

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Reviewed by: MAF 12/28/10

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	FN	T	RH
11/9/10	ECf	66	34	–	66	29	–	68	27	(2)	66	32	–	67	34	–	68	36	–	68	32	–	70	34
11/10/10	ECf	67	34	–	68	28	–	69	27	(2)	68	32	–	68	34	–	70	36	–	70	32	–	70	39
11/11/10	SV	69	34	–	66	29	–	67	27	(2)	66	33	–	66	34	–	68	36		68	32	–	68	33
11/12/10	ECf	65	33	–	66	29	–	67	28	–	66	33	–	66	34	–	68	35	–	68	32	–	69	33
11/15/10	ECf	65	32	–	69	29	–	70	27	(2)	68	33	–	69	37	–	70	35	–	70	32	–	70	39
11/16/10	TP	69	32	–	69	30	–	71	27	(2)	70	34	–	70	38	–	70	35	–	72	32	–	73	34
11/17/10	ECf	66	33	–	67	31	–	68	27	(2)	67	34	–	68	36	–	70	35	–	70	32	–	70	33
11/18/10	ECf	66	44	(1)	66	32	–	67	28	–	66	34	–	66 ECf 11/19/10	39	(1)	68	35	–	68	32	–	68	37
11/19/10	ECf	67	29	–	67	33	–	68	27	(2)	67	34	–	67	29	–	70	35	–	68	33	–	70	46
11/22/10	SV	65	29	–	66	34	–	67	28	–	66	34	–	66	29	–	68	35	–	68	32	–	68	35
11.23.10	SV	67	29	–	67	34	–	66	27	(2)	67	35	–	68	28	–	70	35	–	70	32	–	70	40
11.24.10	SV	65	29	–	65	33	–	67	28	–	66	33	–	66	29	–	66	34	–	68	32	–	68	24
11.26.10	SV	65	29	–	66	32	–	67	28	–	66	33	–	67	29	–	68	37	–	68	32		68	25
11.27.10	SV	65	29		65	33	–	67	28		65	33	–	66	29	–	68	33	–	68	32	–	68	33
11.29.10	SV	65	29	–	66	33	–	67	28	–	66	33		66	29	–	68	33	–	68	32	–	68	27

Abbreviations: T = Temperature (°F) RH = Relative Humidity (%) FN = Foot Note
Limits: RH 33± 5% Temperature 22± 5 °C or 71.6± 9°F
Foot Notes: 1 = Desiccant Changed 2 = Desiccator < 28% Humidity

Revised 11/15/10 TP

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Air Toxics
Desiccator Humidity/Temperature Logbook

Desiccator #		1			2			3			4			5			6			7			Amb	
Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH
11-30-10	SV	65	30	-	65	33	-	67	28	-	66	33	-	66	29	-	68	33	-	68	32	-	68	29
12/1/10	ECf	64	31	—	65	33	—	66	28	—	65	33	—	66	31	-	68	33	—	68	32	—	69	30
12/2/10	ECf	64	31	—	65	33	—	66	28	—	65	33	—	65	32	—	68	33	—	68	32	—	68	32
12-3-10	SV	67	31	—	68	33	-	69	27	(2)	67	34	-	68	32	-	70	33	—	70	32	-	70	36
12/6/10	ECf	67	32	—	68	37	—	69	30	—	68	36	—	68	35	—	70	34	—	70	32	—	70	47
12/7/10	ECf	66	34	—	67	36	—	68	30	—	67	36	—	67	34	—	70	34	—	68	32	—	70	38
12/8/10	ECf	68	33	—	68	38	(1)	69	31	—	68	37	(1)	68	34	—	70	34	—	70	32	—	70	43
12/9/10	ECf	69	31	—	69	28	—	70	32	—	69	28	—	70	37	-	72	35	—	72	32	—	72	48
12/13/10	SV	68	31	-	69	28	-	70	34	-	69	28	-	69	30	(-1)	70	35	-	70	31	—	72	47
12/14/10	ECf	69	32	—	69	28	—	70	33	—	69	28	—	70	28	—	72	35	—	~~72~~ 70	~~33~~ 28 12/14/10	—	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	—	69	31
12/17/10	ECf	65	32	—	66	32	—	67	33	—	66	29	—	66	29	—	68	35	—	68	33	—	68	35
12.18.10	SV	69	32	—	69	32	-	70	33	-	69	31	-	69	28	—	70	35	-	70	33	-	72	33
12.20.10	SV	68	31	-	69	33	—	70	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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Air Toxics
Desiccator Humidity/Temperature Logbook

Desiccator #		1			2			3			4			5			6			7			Amb	
Date	Init	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH	FN	T	RH
12/2/10	ECf	66	32	–	66	34	–	68	33	–	66	32	–	67	31	–	70	35	–	68	33	–	70	35
12/7/10	ECf	67	33	–	68	33	–	69	33	–	68	33	–	68	31	–	70	35	–	70	33	–	64	45
12.23.10	ECf	67	32	–	67	35	–	68	33	–	68	34	–	68	33	–	70	35		70	33	–	68	33
12.24.10	ECf	65	33	–	65	35	–	66	34	–	65	34		65	35	–	65	35		68	33	–	66	36
12/29/10	ECf	66	33	–	67	36	–	68	35	–	67	34	–	67	37	–	70	35	–	70	33	–	70	39

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

ECf 12/28/10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Balance Calibration Check Log

WEIGHT #1				WEIGHT #2				DATE	INIT.	WEIGHT ID	P/F *1
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)	Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)				
0.2000	0.2003	0.1995	0.2005	10.00	10.0003	9.9000	10.100	11/10/10	JZ	QA 011	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0001	9.9000	10.100	11/11/10	SV	QA-11	P
0.2g	0.1999	0.1995	0.2005	10.0g	10.0002	9.9000	10.100	11/12/10	ECF	QA-11	P
0.2	0.2001	0.1995	0.2005	10.0	10.0001	9.9000	10.100	11/15/10	ECF	QA-11	P
0.2000	0.1998	0.1995	0.2005	10.0	9.9997	9.9000	10.100	11/16/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/17/10	ECF	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/18/10	JZ	QA-011	P
0.2000	0.2002	0.1995	0.2005	10.0	10.0000	9.9000	10.100	11/19/10	JZ	QA 011	P
0.2g	0.2001	0.1995	0.2005	10.0g	10.0002	9.9000	10.100	11/22/10	SV	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.0g	10.0000	9.9000	10.100	11/23/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0000	9.9000	10.1000	11/24/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	10.0001	9.9000	10.1000	11/26/10	SV	QA-11	P
0.2g	0.2000	0.1995	0.2005	10.0g	9.9997	9.9000	10.1000	11/27/10	SV	QA-11	P
0.2g	0.2001	0.1995	0.2005	10.0g	9.9998	9.9000	10.100	11/29/10	SV	QA-11	P

*1 P= Pass, F= Fail. The observed weight must be with in the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.
a) Do not move or use the balance
b) Attach a sign instructing others not to use the balance (see front of logbook).
c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 – 0.2005	10	9.9000 – 10.100
0.5000	0.4995 – 0.5005	20	19.8000 – 20.200
1	0.9900 – 1.0100	50	49.5000 – 50.500
2	1.9800 – 2.0200	100	99.0000 – 101.000
5	4.9500 – 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 – 0.0022
1	0.9950 – 1.0050
Calibration range is (±) 10% for 2 mg weight and (±) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.	

Reviewed 11/5/10 TP

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Balance Calibration Check Log

WEIGHT #1				WEIGHT #2				DATE	INIT.	WEIGHT ID	P/F *1
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)	Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Upper (g)				
0.2000	0.2001	0.1995	0.2005	10.0000	9.9994	9.9000	10.1000	11/30/10	JZ	QA 011	P
0.2000	0.2002	0.1995	0.2005	10.0000	9.9995	9.9000	10.1000	12/1/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9994	9.9000	10.1000	12/2/10	SV	QA-11	P
0.2000	0.2000	0.1995	0.2005	10.0000	9.9997	9.9000	10.1000	12/3/10	SV	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	10.0003	9.9000	10.1000	12/6/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0001	9.9000	10.1000	12/7/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0000	9.9000	10.1000	12/8/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0001	9.9000	10.1000	12/9/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.000	10.0001	9.900	10.100	12.13.10	SV	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	9.9998	9.9000	10.1000	12/14/10	JZ	QA 011	P
0.2000	0.2003	0.1995	0.2005	10.000	10.0006	9.900	10.100	12.15.10	SV	QA-11	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0002	9.9000	10.1000	12/16/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	~~10.0000~~ 9.9998	9.9998	9.9000	10.1000	12/17/10	JZ	QA 011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0002	9.9000	10.1000	12/20/10	JZ	QA 011	P

*1 P= Pass, F= Fail. The observed weight must be with in the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.
- a) Do not move or use the balance
- b) Attach a sign instructing others not to use the balance (see front of logbook).
- c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 – 0.2005	10	9.9000 – 10.100
0.5000	0.4995 – 0.5005	20	19.8000 – 20.200
1	0.9900 – 1.0100	50	49.5000 – 50.500
2	1.9800 – 2.0200	100	99.0000 – 101.000
5	4.9500 – 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 – 0.0022
1	0.9950 – 1.0050
Calibration range is (±) 10% for 2 mg weight and (±) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica West Sacramento
Balance Calibration Check Log

WEIGHT #1				WEIGHT #2				DATE	INIT.	WEIGHT ID	P/F *1
Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Acceptance limits*2 Upper (g)	Working WT Denomination (g)	OBSERVED WEIGHT (g)	Acceptance limits*2 Lower (g)	Acceptance limits*2 Upper (g)				
0.2000	0.2000g	0.1995	0.2005	10.0000	9.9998	9.9000	10.100	12/21/10	TP	QA-011	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0002	9.9000	10.1000	12/22/10	JZ	QA 011	P
0.2000	0.2000	0.1995	0.2005	10.0000	10.0003	9.9000	10.100	12.23.10	SV	QA-11	P
0.2000	0.2001	0.1995	0.2005	10.0000	10.0001	9.9000	10.100	12.24.10	SV	QA-11	P
0.2000	0.2002	0.1995	0.2005	10.0000	10.0003	9.9000	10.1000	12/28/10	JZ	QA 011	P

1 P= Pass, F= Fail. The observed weight must be with in the listed tolerances in order to pass. If calibration check values fall outside acceptance limits, the balance is considered to be out of calibration.
- a) Do not move or use the balance
- b) Attach a sign instructing others not to use the balance (see front of logbook).
- c) Notify the QA department.

*2 Balance Tolerances (grams):

Denomination	Range	Denomination	Range
0.2000	0.1995 – 0.2005	10	9.9000 – 10.100
0.5000	0.4995 – 0.5005	20	19.8000 – 20.200
1	0.9900 – 1.0100	50	49.5000 – 50.500
2	1.9800 – 2.0200	100	99.0000 – 101.000
5	4.9500 – 5.0500		

Calibration range is (+/-) 1% for top loading balances. The above tolerances have been rounded to meet balance read out capability.

*3 When performing Method 1664A, the following Class 1 weights and tolerances must be used (in grams).

Denomination	Range
0.0020	0.0018 – 0.0022
1	0.9950 – 1.0050
Calibration range is (±) 10% for 2 mg weight and (±) 0.5% for 1 g weight. The above tolerances have been modified to meet balance read out capability.	