EPA Method 1613
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 6277-005-SA
Client ID: MW12-0-0.5-080210
Matrix: Soil
Batch No: X2077

Date Extracted: 08-10-2010
Date Received: 08-04-2010
Amount: 2.04 g
% Solids: 89.00

ICal: PCDDFAL3-5-12-10
GC Column: DB5
Units: pg/g

Acquired: 08-12-2010
2005 WHO TEQ: 23.3

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.552		-	0.0262				
1,2,3,7,8-PeCDD	2.52	-	J	2.52	0.0442				
1,2,3,4,7,8-HxCDD	5.03	-	J	0.503	0.0486				
1,2,3,6,7,8-HxCDD	25.2	-		2.52	0.0586	Total TCDD	5.03	-	
1,2,3,7,8,9-HxCDD	10.9	-	J	1.09	0.0529	Total PeCDD	15.2	-	
1,2,3,4,6,7,8-HpCDD	892	-		8.92	0.0954	Total HxCDD	145	-	
OCDD	10200	-		3.06	0.154	Total HpCDD	1690	-	
2,3,7,8-TCDF	0.989	-	J	0.0989	0.0205				
1,2,3,7,8-PeCDF	ND	0.963		-	0.0298				
2,3,4,7,8-PeCDF	1.69	-	J	0.507	0.0313				
1,2,3,4,7,8-HxCDF	6.00	-	J	0.600	0.0308				
1,2,3,6,7,8-HxCDF	3.23	-	J	0.323	0.0317				
2,3,4,6,7,8-HxCDF	4.62	-	J	0.462	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.935		-	0.0387	Total TCDF	14.5	-	
1,2,3,4,6,7,8-HpCDF	229	-		2.29	0.0418	Total PeCDF	26.5	-	
1,2,3,4,7,8,9-HpCDF	7.09	-	J	0.0709	0.0429	Total HxCDF	148	-	
OCDF	969	-		0.291	0.105	Total HpCDF	757	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	91.7	25.0 - 164	
13C-1,2,3,7,8-PeCDD	98.1	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	93.0	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	86.3	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	110	23.0 - 140	
13C-OCDD	105	17.0 - 157	
13C-2,3,7,8-TCDF	97.5	24.0 - 169	
13C-1,2,3,7,8-PeCDF	93.2	24.0 - 185	
13C-2,3,4,7,8-PeCDF	94.7	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	124	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	114	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	118	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	127	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	113	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	136	26.0 - 138	
13C-OCDF	116	17.0 - 157	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	93.3	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 8/12/10

Reviewed By: _____
Date: 8/12/10

EPA Method 1613
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 6277-006-SA
Client ID: MW12-1.5-2-080210
Matrix: Soil
Batch No: X2077

Date Extracted: 08-10-2010
Date Received: 08-04-2010
Amount: 2.02 g
% Solids: 87.72

ICal: PCDDFAL3-5-12-10
GC Column: DB5
Units: pg/g

Acquired: 08-11-2010
2005 WHO TEQ: 15.2

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.490		-	0.0262				
1,2,3,7,8-PeCDD	1.50	-	J	1.50	0.0442				
1,2,3,4,7,8-HxCDD	3.41	-	J	0.341	0.0486				
1,2,3,6,7,8-HxCDD	17.1	-		1.71	0.0586	Total TCDD	ND	0.993	
1,2,3,7,8,9-HxCDD	9.13	-	J	0.913	0.0529	Total PeCDD	9.73	-	J
1,2,3,4,6,7,8-HpCDD	574	-		5.74	0.0954	Total HxCDD	106	-	
OCDD	7390	-		2.22	0.154	Total HpCDD	1130	-	
2,3,7,8-TCDF	0.701	-	J	0.0701	0.0205				
1,2,3,7,8-PeCDF	ND	0.976		-	0.0298				
2,3,4,7,8-PeCDF	ND	0.963		-	0.0313				
1,2,3,4,7,8-HxCDF	4.70	-	J	0.470	0.0308				
1,2,3,6,7,8-HxCDF	2.06	-	J	0.206	0.0317				
2,3,4,6,7,8-HxCDF	3.24	-	J	0.324	0.0341				
1,2,3,7,8,9-HxCDF	ND	0.761		-	0.0387	Total TCDF	10.4	-	
1,2,3,4,6,7,8-HpCDF	150	-		1.50	0.0418	Total PeCDF	16.2	-	
1,2,3,4,7,8,9-HpCDF	4.27	-	J	0.0427	0.0429	Total HxCDF	102	-	
OCDF	624	-		0.187	0.105	Total HpCDF	489	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	96.6	25.0 - 164	
13C-1,2,3,7,8-PeCDD	109	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	100	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.1	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	108	23.0 - 140	
13C-OCDD	102	17.0 - 157	
13C-2,3,7,8-TCDF	97.5	24.0 - 169	
13C-1,2,3,7,8-PeCDF	97.1	24.0 - 185	
13C-2,3,4,7,8-PeCDF	102	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	119	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	109	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	111	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	121	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	105	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	123	26.0 - 138	
13C-OCDF	105	17.0 - 157	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	96.9	35.0 - 197	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
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D	Presence of Diphenyl Ethers
E	Analyte concentration is above calibration range
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ND	Analyte Not Detected
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P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 8/12/10

Reviewed By: _____
Date: 8/12/10

SUBCONTRACTOR ANALYSIS REQUEST
CUSTODY TRANSFER 08/03/10

6211 0°C

ANALYTICAL RESOURCES INCORPORATED

ARI Project: RG94 0°C

Laboratory: Frontier Analytical Laboratory
Lab Contact: BRAD SILVERBUSH
Lab Address: 5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone: 916-934-0900
Fax: 916-934-0999

ARI Client: Floyd/Snider
Project ID: POS-LLA (Lora Lake Apartments)
ARI PM: Sue Dunnihoo
Phone: 206-695-6207
Fax: 206-695-6201

Analytical Protocol: In-house
Special Instructions:

Requested Turn Around: **08/17/10**
Email Results (Y/N): **Yes**

Limits of Liability. *Subcontractor is expected to perform all requested services in accordance with appropriate methodology following Standard Operating Procedures that meet standards for the industry. The total liability of ARI, its officers, agents, employees, or sucessors, arising out of or in connection with the requested services, shall not exceed the negotiated amount for said services. The agreement by the Subcontractor to perform services requested by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Subcontractor.*

ARI ID	Client ID/ Add'l ID	Sampled	Matrix	Bottles	Analyses
10-18606-RG94M	MW14-0-0.5-080210	08/02/10 08:35	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18607-RG94N	MW14-1.5-2-080210	08/02/10 08:42	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18608-RG94O	MW13-0-0.5-080210	08/02/10 11:40	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18609-RG94P	MW13-1.5-2-080210	08/02/10 11:50	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18610-RG94Q	MW12-0-0.5-080210	08/02/10 14:05	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					
10-18611-RG94R	MW12-1.5-2-080210	08/02/10 14:08	Soil	1	Dioxin/Furans 1613(Sub)
Special Instructions: None					

L4 + EDD

Carrier UPS	Airbill 1Z 832 695 01 5/20 3698 / 1Z 832 695 01 500 8950 1		Date 8/3/10
Relinquished by Mikka Mulumba	Company ARI	Date 8/3/10	Time 1530
Received by Tony Calabrese	Company Frontier Analytical	Date 8/4/10	Time 10:40 AM

Frontier Analytical Laboratory

Sample Login Form

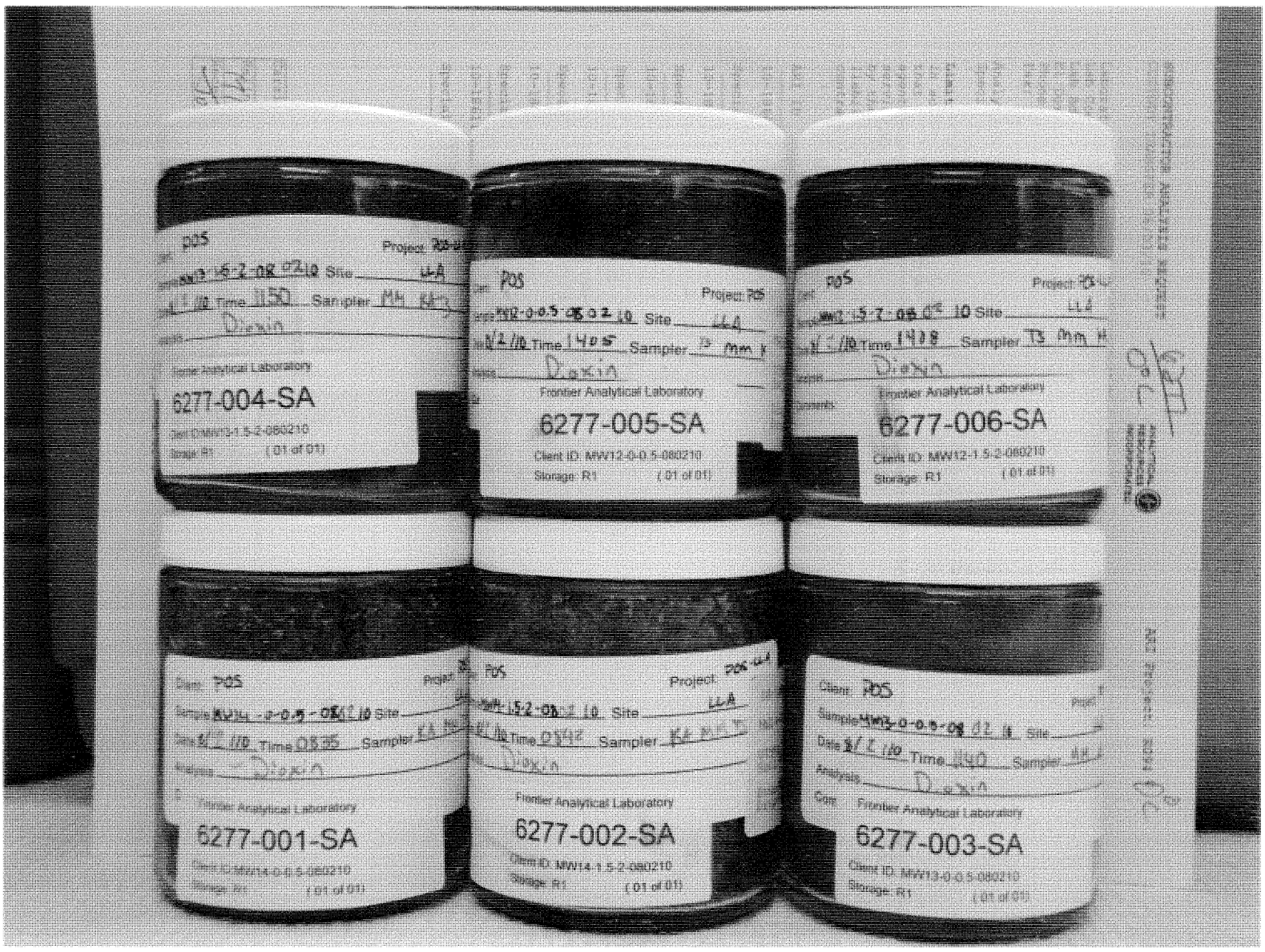
FAL Project ID: **6277**

Client:	Analytical Resources Inc. Sue Dunnihoo
Client Project ID:	RG94
Date Received:	08/04/2010
Time Received:	10:40 am
Received By:	TC
Logged In By:	KZ
# of Samples Received:	6
Duplicates:	0
Storage Location:	R1

Method of Delivery:	UPS
Tracking Number:	1Z8326950150089501
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test for residual Chlorine	No
Thiosulfate Added	No
Earliest Sample Hold Time Expiration	08/02/2011
Adequate Sample Volume	Yes

Anomalies or additional comments:

L4 DATA PACKAGE & EDD


6277-004-SA
6277-005-SA
6277-006-SA
6277-001-SA
6277-002-SA
6277-003-SA
Frontier Analytical Laboratory

Frontier Analytical Laboratory

PROJECT REQUEST SHEET

Project #:	6277	Sample #:	1 - 6	Client Manager:	BS
Client:	Analytical Resources Inc. Sue Dunnihoo			Hold Time:	08/02/2011
Matrix:	Soil	Extraction Batch:	2077	Due Date:	08/26/2010
Method:	EPA 1613 D/F			Storage:	R1
SOP:	SOPs: EP2A Rev.7 IP2A Rev.8				

COMMENTS/INSTRUCTIONS:

Results: 6277

Extract/s located in box: 11/12D"

Standards: QC 6277 / STDS 6277

Instrument:

DB5	FAL-3
DB225	____
DB1	____
Other	____

Frontier Analytical Laboratory
Percent Solids

FAL Project: 6277

	Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv
1.32	6277-001-0001-SA	MP	8-6-10	10.18	9.34	91.75	10.90
1.30	6277-002-0001-SA	↓	↓	7.96	7.27	91.33	10.95
1.31	6277-003-0001-SA			5.93	5.38	90.73	11.02
1.35	6277-004-0001-SA			6.15	5.67	92.20	10.85
1.28	6277-005-0001-SA			5.91	5.26	89.00	11.24
1.31	6277-006-0001-SA			5.15	4.50	87.72	11.40

% Solids Summary:

Non-Filtered Determination

1. Place an aliquot of sample into a pre-weighed aluminum weighing boat. Use approximately two to ten grams for solid samples, approximately 10 mL for aqueous samples.
2. Record the weight.
3. Dry sample overnight at approximately 110 C.

Filtered Determination

1. Pre-weigh a glass fiber filter of appropriate pore size and pressure filter a sample aliquot (200-1000mL) through it.
2. Air dry the filter and record the dry weight.

% Solids calculation

% solids = aliquot after drying/aliquot before drying x 100

- Samples containing one percent solids or less are prepared as aqueous samples.
- Samples containing greater than one percent solids prepared as solid samples.

EXTRACTION SHEET

Project #: 6277 Extraction Date: 2010-08-10 Extraction Chemist: GN

Method/Analysis: EPA 1613 D/F

Procedure: SOX/SDS Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: 090918A Vial: 1 Chemist/Witness/Date	NS Amt: 10.0uL ID: 090918B Vial: 1 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 090918C Vial: 1 Chemist/Witness/Date
2077-001-0001-MB	(2.00g)	(2.00g)	GN 8/10/10	NA	GN DN 8/11/10
2077-001-0001-OPR	(2.00g)	(2.00g)		GN 8/10/10	
6277-001-0001-SA	2.19	2.01		NA	
6277-002-0001-SA	2.20	2.01			
6277-003-0001-SA	2.27	~~2.05~~ 2.06 8/11/10			
6277-004-0001-SA	2.25	2.07			
6277-005-0001-SA	2.29	2.04			
6277-006-0001-SA	2.30	2.02			

AX-21 Charcoal Cleaned	031210	Acetone	101196	Acid Alumina	08623DJ	Hexane	50055
Hydrochloric Acid	B08505	Methanol	096965	Methylene Chloride (DCM)	50057	Silica Gel	TA1593034
Sodium Hydroxide	9265	Sodium Sulfate	49009905	Sulfuric Acid	096894	Tetradecane	081394
Toluene	101346	Water	49350	C-18 Empore Discs	320505	Cyclohexane	48151

Comments:

CLEANUP SHEET

Project #: 6277

Method/Analysis: EPA 1613 D/F

Splits: 0 Split Date: N/A Final Volume: 20.0uL

Sample ID	Cleanup 1 MSG/AA Chemist/Date	Cleanup 2 Charcoal Chemist/Date	Cleanup 3 NA Chemist/Date	RS Amt: 10.0uL ID: 090918D Vial: 5 Chemist/Witness/Date
2077-001-0001-MB	GN 8/11/10	GN 8/11/10	NA	GN 8/11/10
2077-001-0001-OPR	↓	↓	↓	↓
6277-001-0001-SA	↓	↓	↓	↓
6277-002-0001-SA	↓	↓	↓	↓
6277-003-0001-SA	↓	↓	↓	↓
6277-004-0001-SA	↓	↓	↓	↓
6277-005-0001-SA	↓	↓	↓	↓
6277-006-0001-SA	↓	↓	↓	↓

Comments:

FAL ID: 2077-001-0001-MB Filename: 11AUG10M Sam:18 Acquired: 12-AUG-10 01:17:00 ICal: PCDDFAL3-5-12-10
Client ID: Method Blank ConCal: ST081110M2 EndCal: ST081110M3
Results: 6277 GC Column: DB5 Amount: 2.000 NATO 1989 Tox: 0.00
WHO 1998 Tox: 0.00 WHO 2005 Tox: 0.00

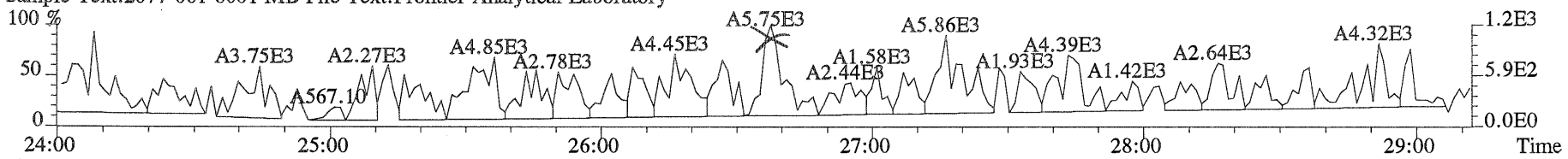
Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	*	*	n	NotFnd	1.04	*		2.50	205	262	0.512
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.05	*		2.50	287	228	0.715
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.30	*		2.50	314	248	0.912
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.28	*		2.50	314	248	0.976
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.25	*		2.50	314	248	0.974
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	1.35	*		2.50	397	395	1.30
OCDD	*	*	n	NotFnd	1.25	*		2.50	652	594	4.98
2,3,7,8-TCDF	*	*	n	NotFnd	1.62	*		2.50	305	328	0.250
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.92	*		2.50	318	307	0.581
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.94	*		2.50	318	307	0.563
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.93	*		2.50	275	299	0.510
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	0.84	*		2.50	275	299	0.527
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	275	299	0.551
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.98	*		2.50	275	299	0.664
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	1.38	*		2.50	318	290	0.705
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.62	*		2.50	318	290	0.739
OCDF	*	*	n	NotFnd	0.74	*		2.50	212	242	1.36

							Rec
13C-2,3,7,8-TCDD	9.39e+06	0.85	y	27:22	0.93	861	86.1
13C-1,2,3,7,8-PeCDD	8.83e+06	1.77	y	33:11	0.81	929	92.9
13C-1,2,3,4,7,8-HxCDD	5.99e+06	1.23	y	38:33	0.95	880	88.0
13C-1,2,3,6,7,8-HxCDD	6.01e+06	1.22	y	38:44	1.00	838	83.8
13C-1,2,3,4,6,7,8-HpCDD	6.67e+06	0.99	y	44:09	0.92	1010	101
13C-OCDD	7.49e+06	0.93	y	49:42	0.63	1640	82.2
13C-2,3,7,8-TCDF	1.63e+07	0.86	y	26:38	0.87	870	87.0
13C-1,2,3,7,8-PeCDF	1.44e+07	1.65	y	31:27	0.81	826	82.6
13C-2,3,4,7,8-PeCDF	1.36e+07	1.67	y	32:47	0.75	838	83.8
13C-1,2,3,4,7,8-HxCDF	1.53e+07	0.52	y	37:10	1.74	1220	122
13C-1,2,3,6,7,8-HxCDF	1.79e+07	0.53	y	37:22	2.17	1150	115
13C-2,3,4,6,7,8-HxCDF	1.51e+07	0.52	y	38:18	1.82	1160	116
13C-1,2,3,7,8,9-HxCDF	1.31e+07	0.52	y	39:44	1.49	1230	123
13C-1,2,3,4,6,7,8-HpCDF	8.46e+06	0.43	y	42:15	1.10	1070	107
13C-1,2,3,4,7,8,9-HpCDF	7.50e+06	0.44	y	45:05	0.81	1280	128
13C-OCDF	1.73e+07	0.98	y	50:05	1.19	2020	101
37Cl-2,3,7,8-TCDD	4.02e+06			27:23	0.93	367	91.8
13C-1,2,3,4-TCDD	1.18e+07	0.85	y	26:48	-	17.3	
13C-1,2,3,4-TCDF	2.16e+07	0.87	y	25:33	-	20.2	
13C-1,2,3,7,8,9-HxCDD	7.20e+06	1.20	y	39:10	-	16.7	

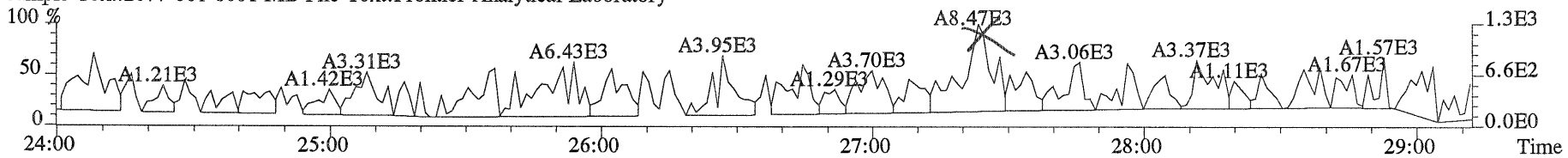
								#Hom
Total Tetra-Dioxins	*	NotFnd	1.04	*	2.50	205	262	0.512		0
Total Penta-Dioxins	*	NotFnd	1.05	*	2.50	287	228	0.715		0
Total Hexa-Dioxins	*	NotFnd	1.27	*	2.50	314	248	0.976		0
Total Hepta-Dioxins	*	NotFnd	1.35	*	2.50	397	395	1.30		0
Total Tetra-Furans	*	NotFnd	1.62	*	2.50	305	328	0.250		0
1st Fn. Tot Penta-Furans	*	NotFnd	0.93	*	2.50	318	307	0.581	PeCDF	0
Total Penta-Furans	*	NotFnd	0.93	*	2.50	318	307	0.581	0.00	0
Total Hexa-Furans	*	NotFnd	0.90	*	2.50	275	299	0.664		0
Total Hepta-Furans	*	NotFnd	1.48	*	2.50	318	290	0.739		0

Analyst: _____ Date: 8/12/10

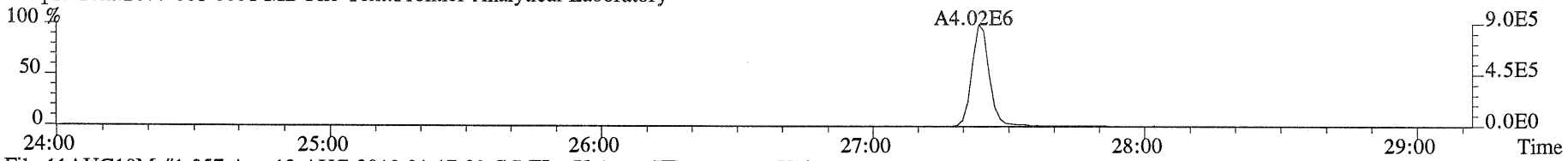
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



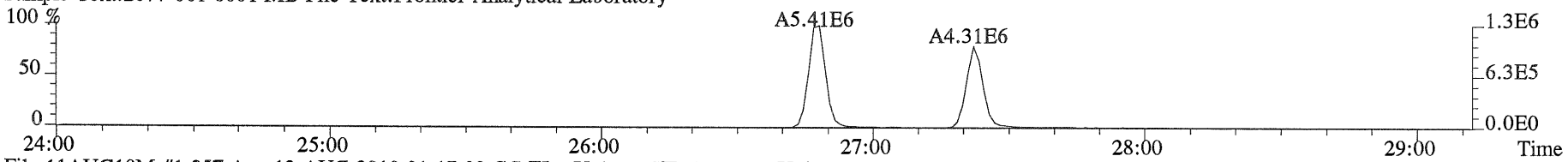
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



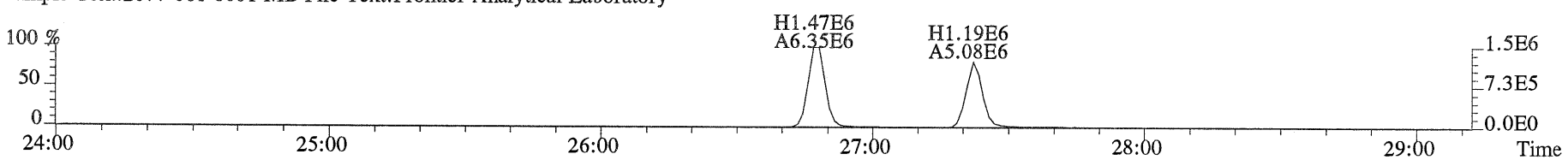
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



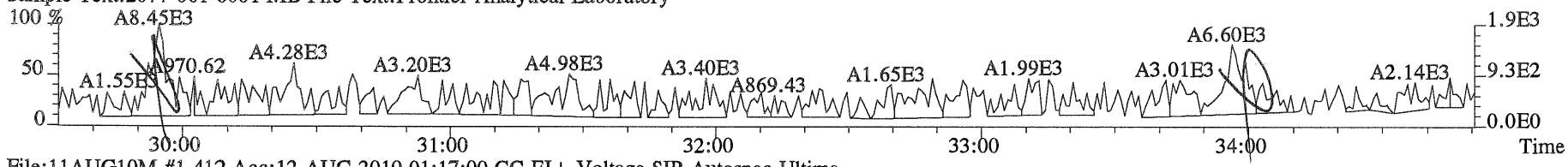
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



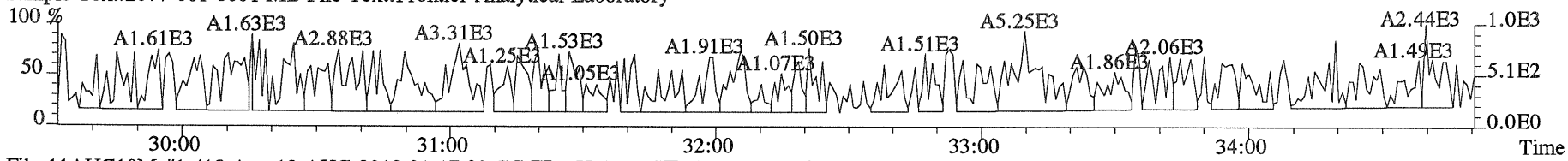
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



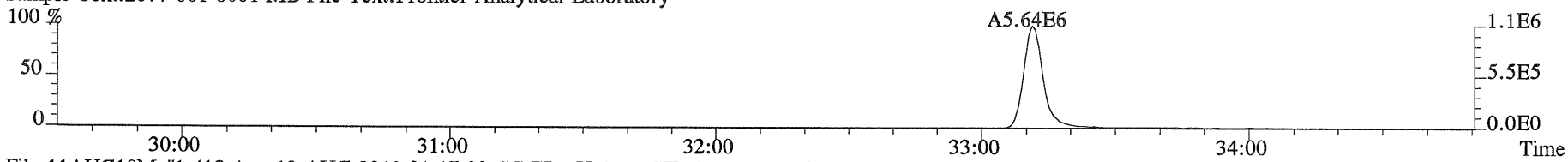
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



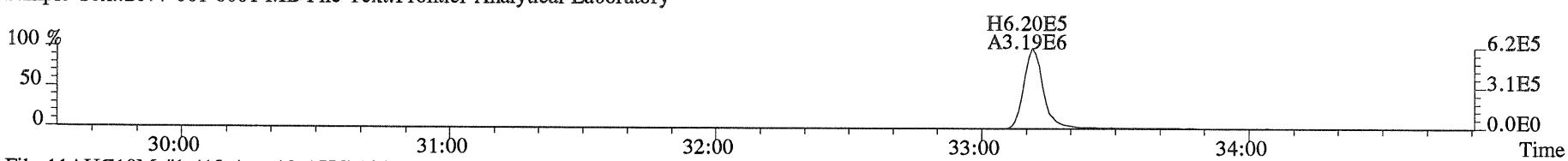
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



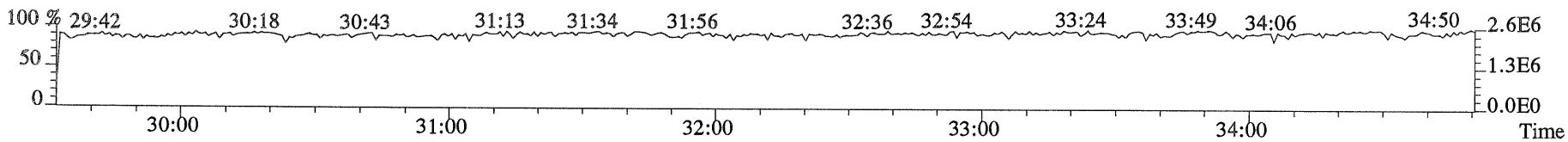
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



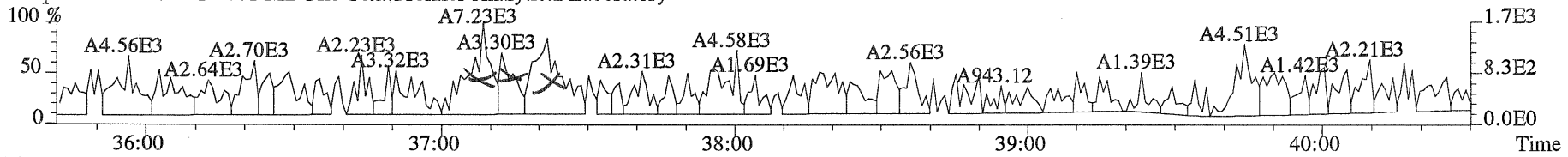
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



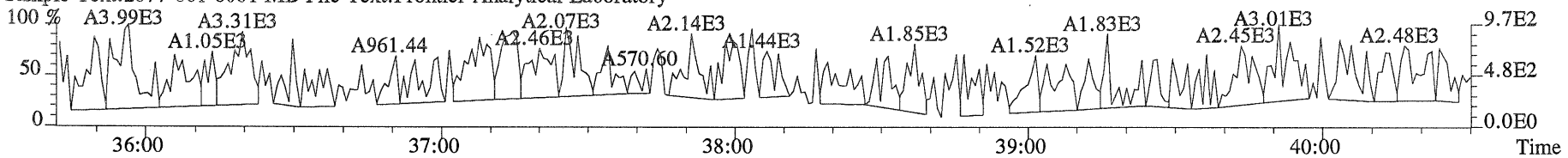
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:18 F:2 Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



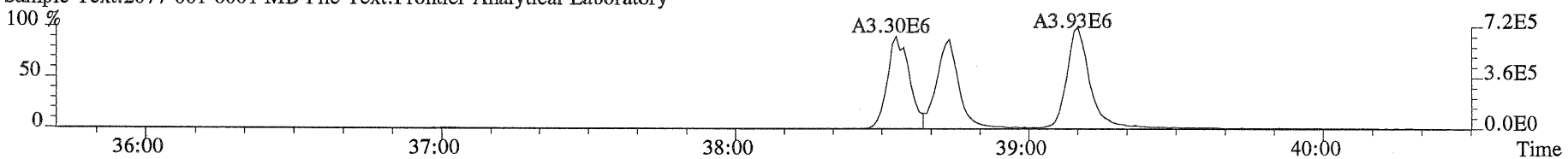
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



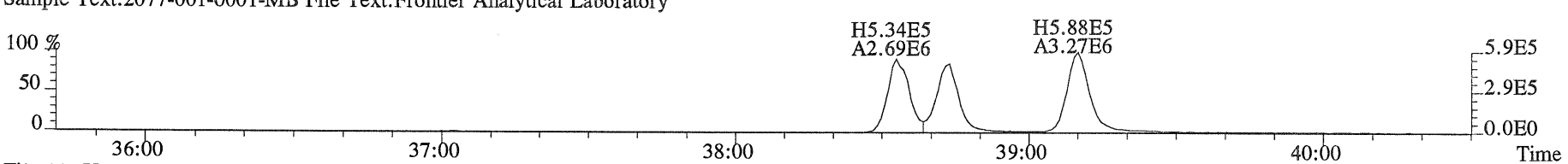
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



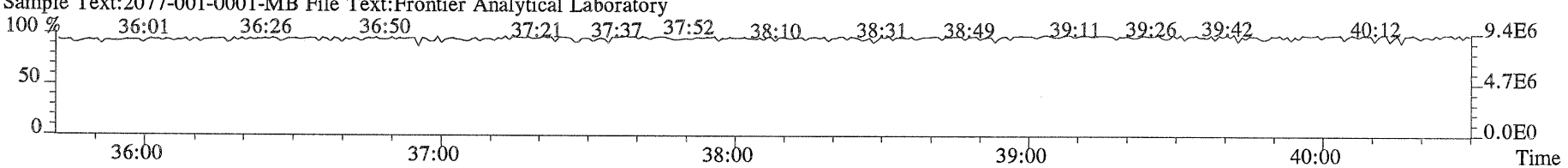
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



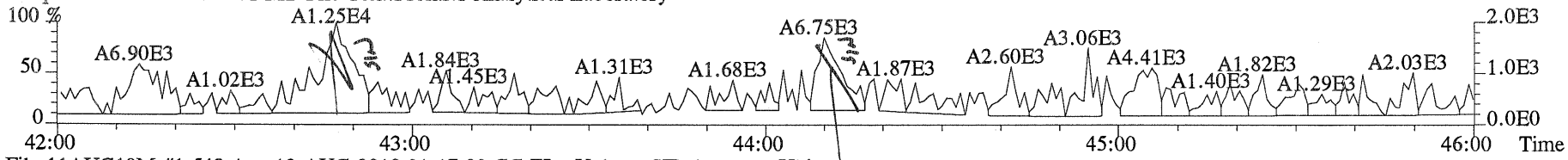
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



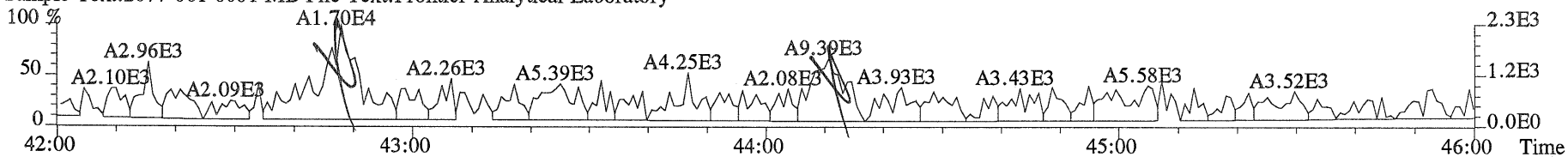
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:18 F:3 Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



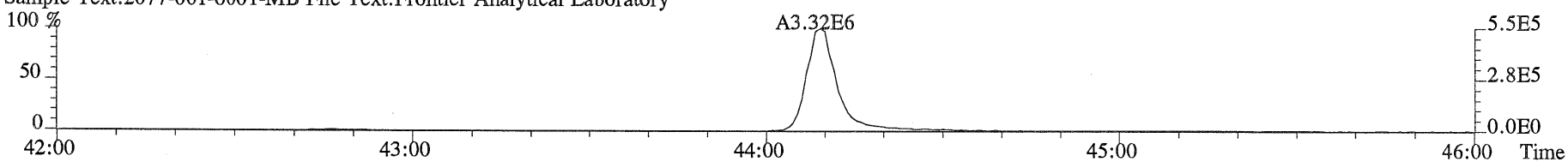
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



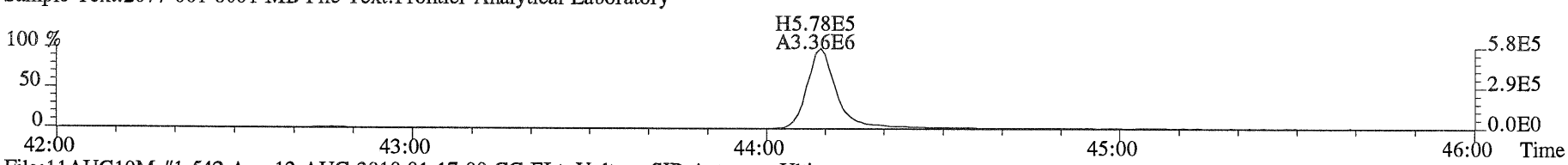
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



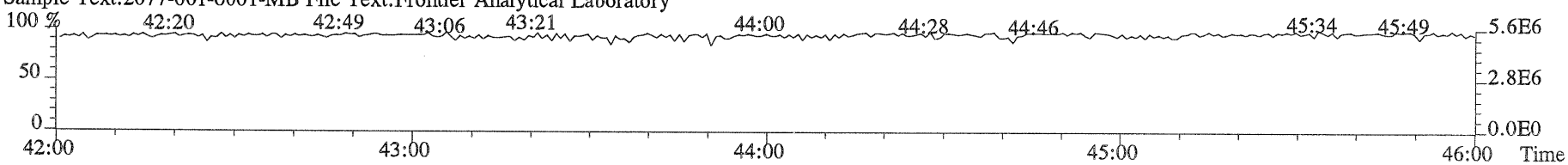
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



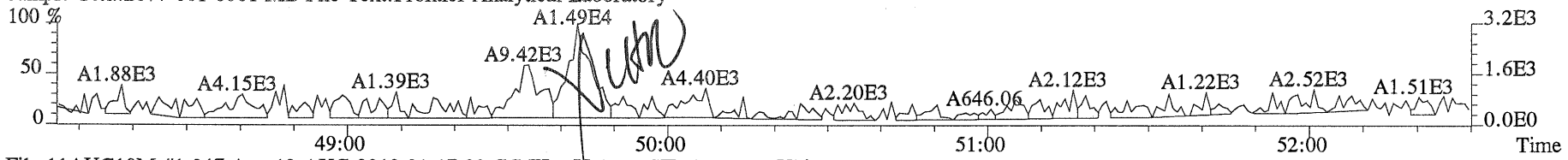
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



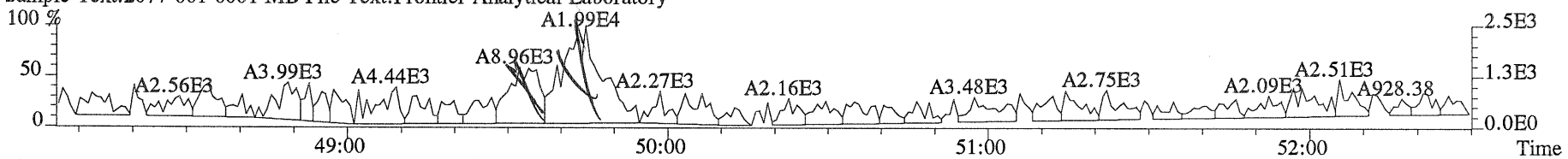
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:18 F:4 Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



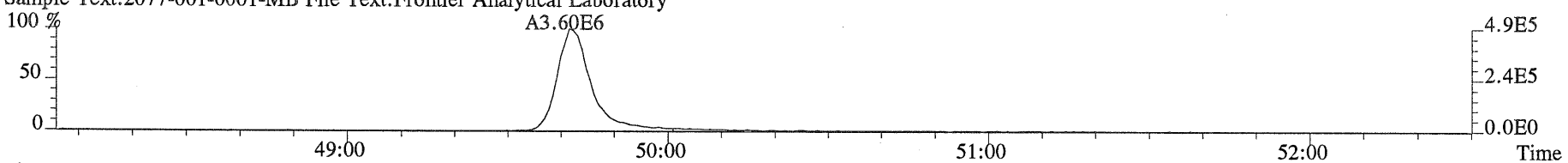
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



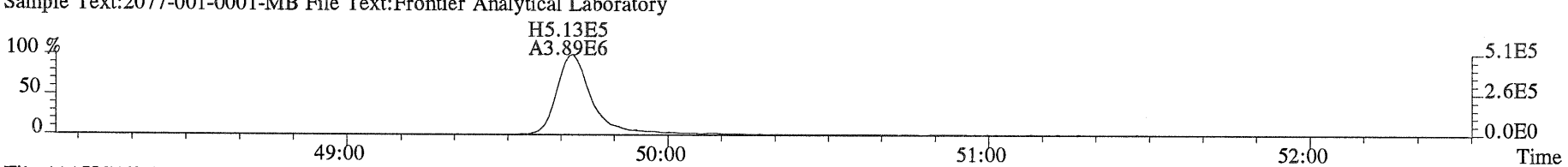
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



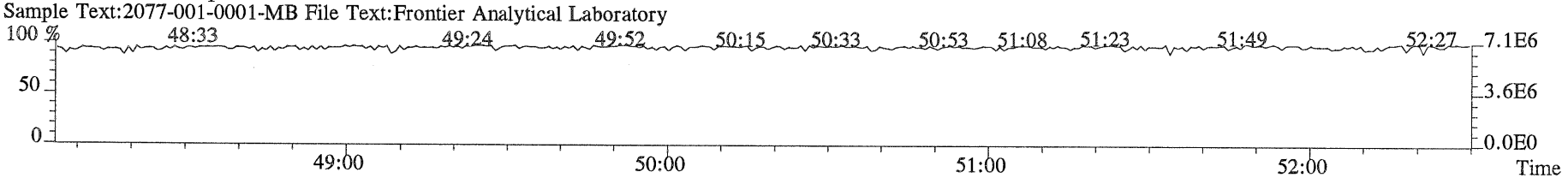
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



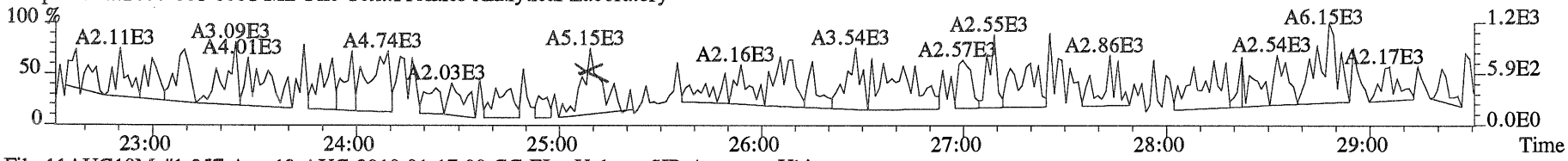
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



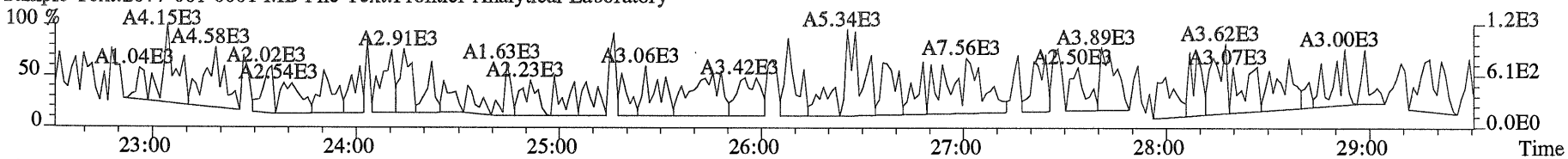
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:18 F:5 Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



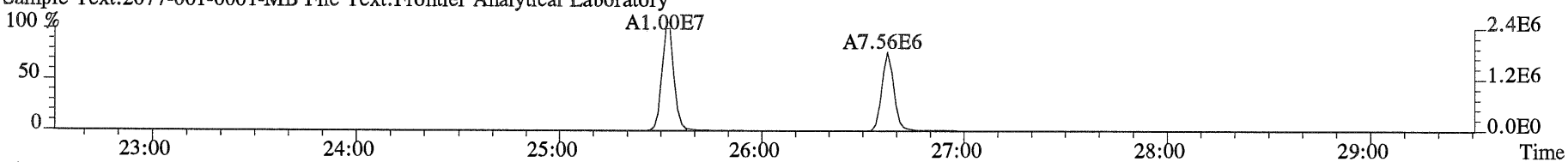
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



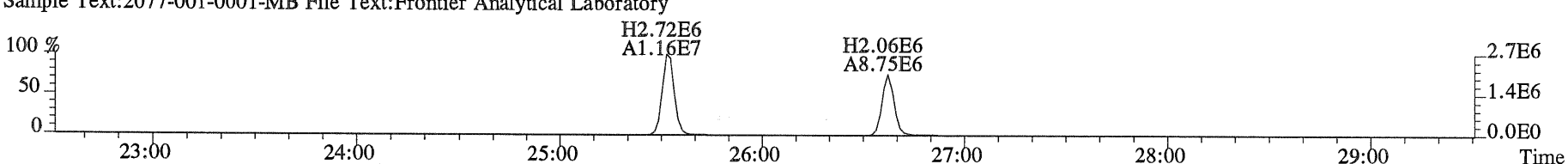
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



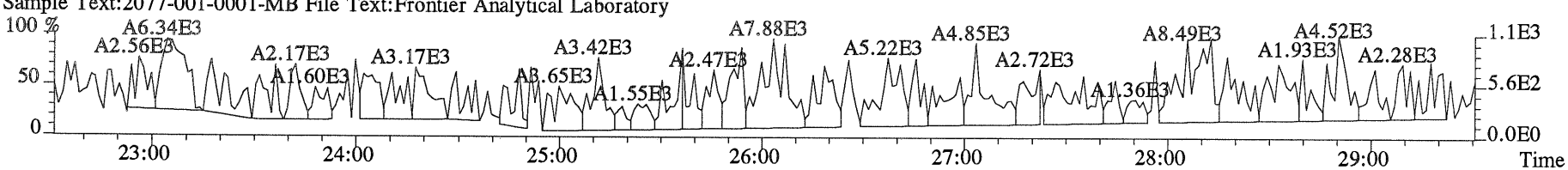
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



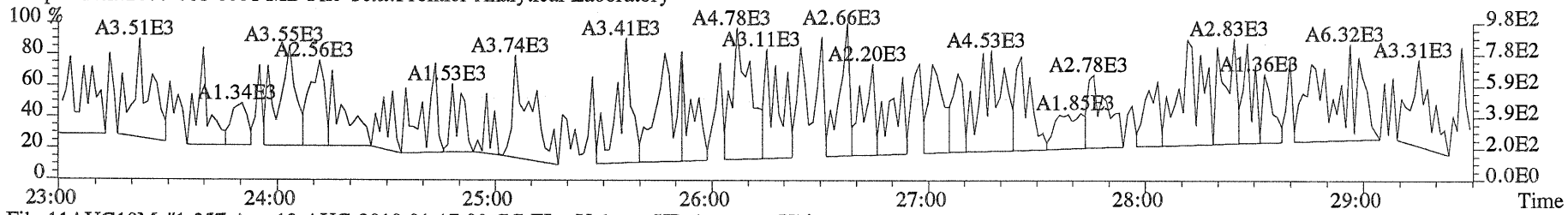
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



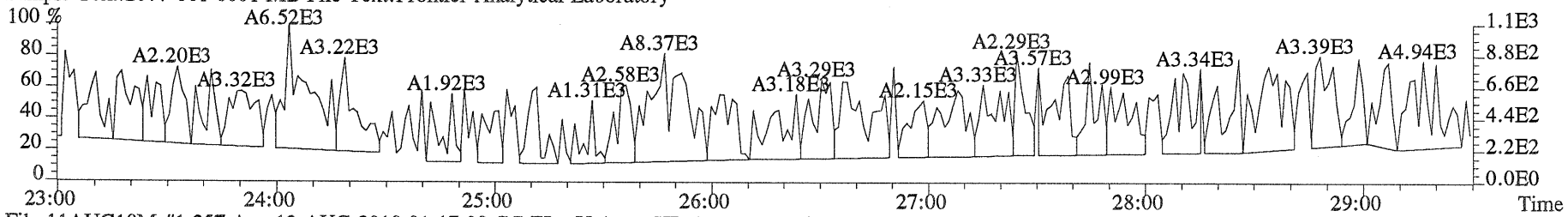
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



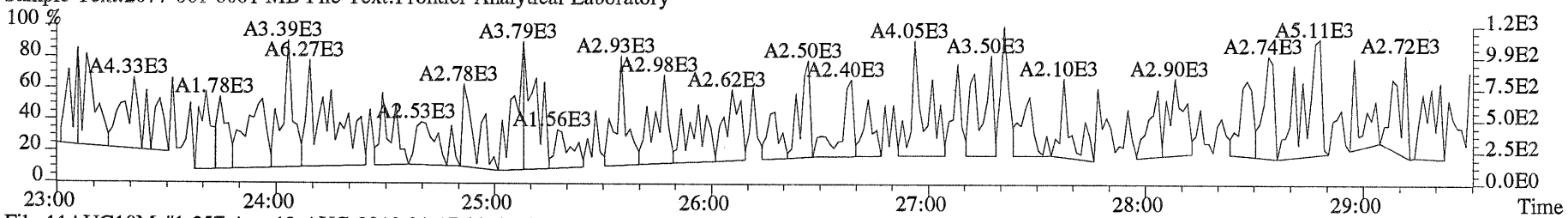
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



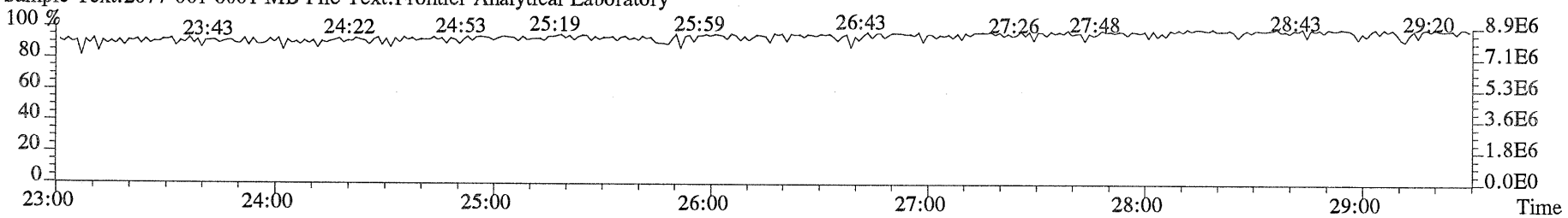
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



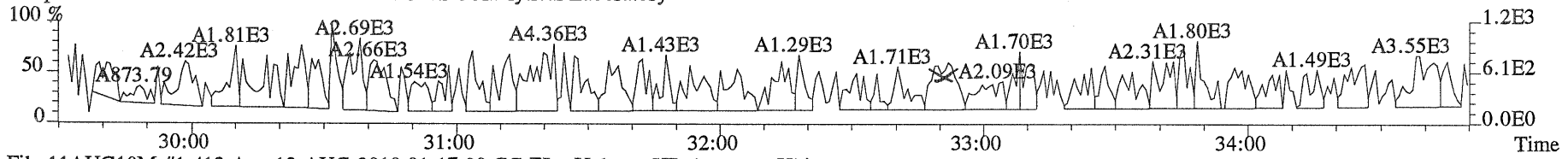
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:18 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



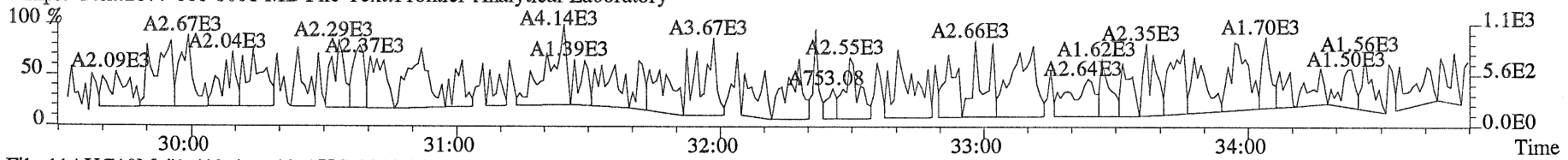
File:11AUG10M #1-357 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:18 Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



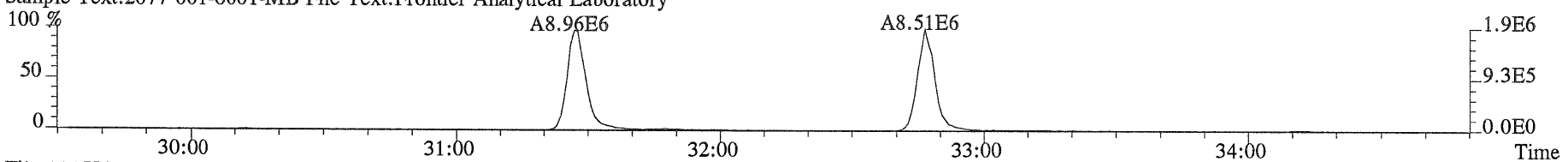
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



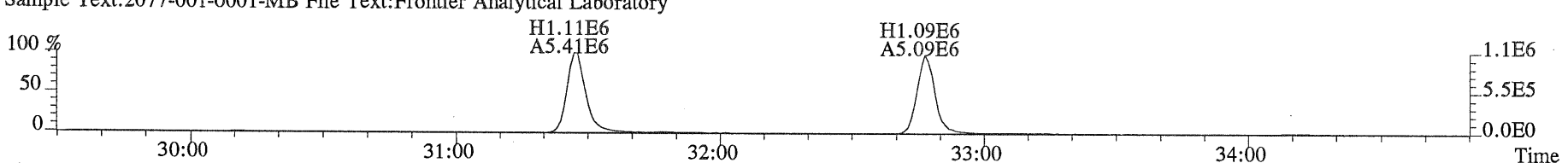
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



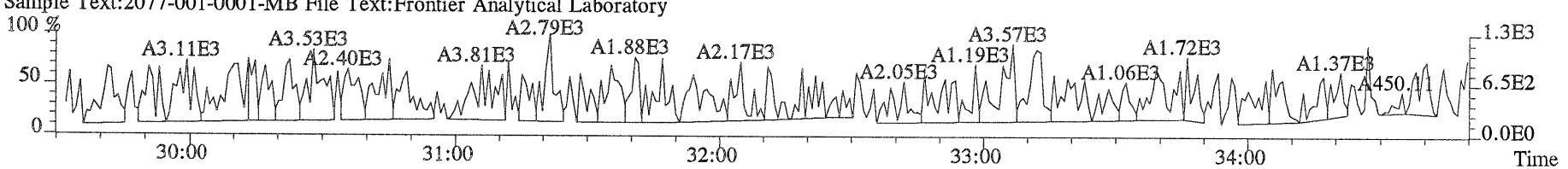
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



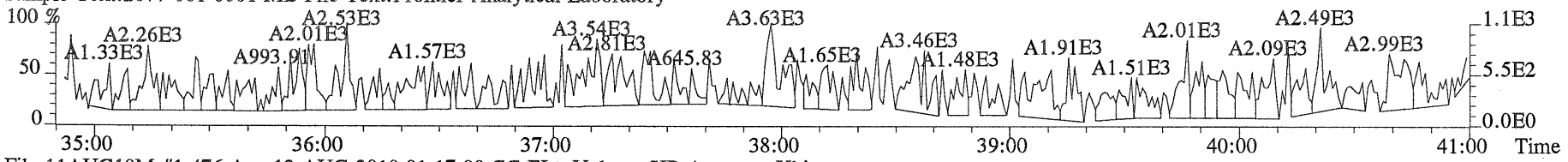
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



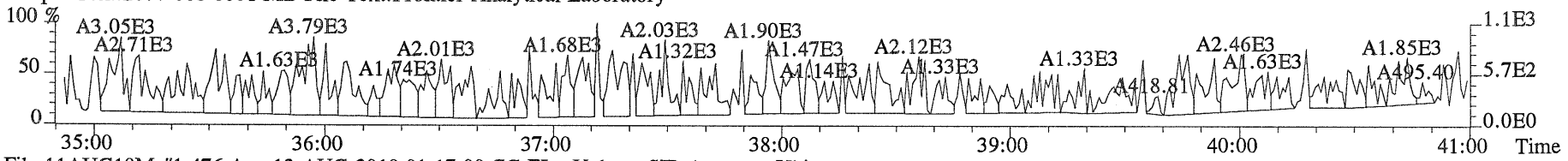
File:11AUG10M #1-412 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:18 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



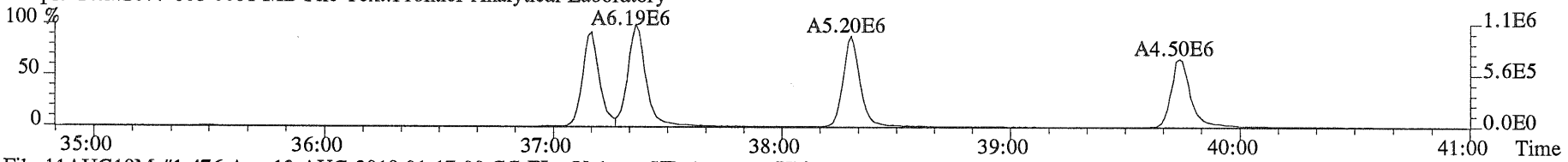
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



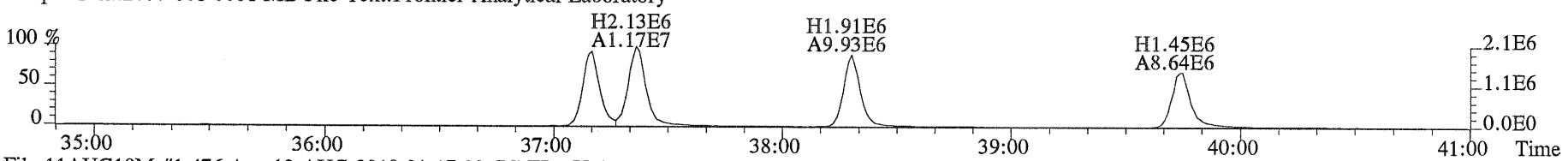
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



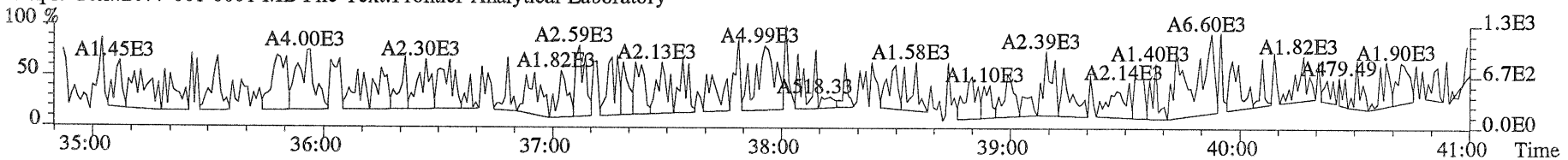
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



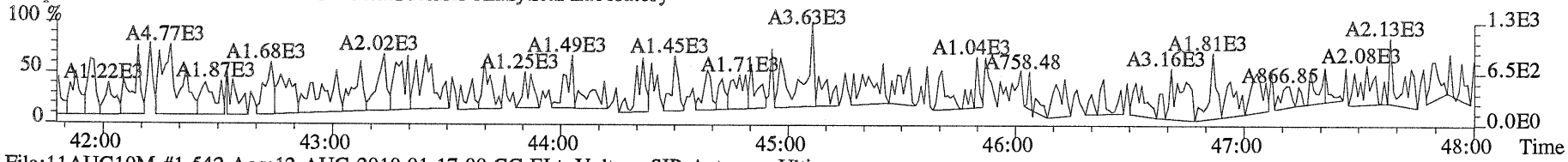
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



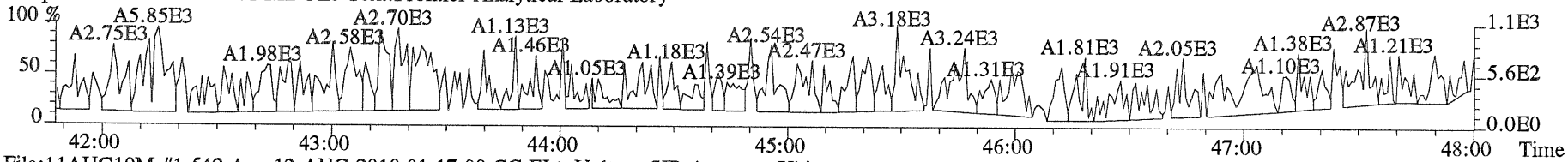
File:11AUG10M #1-476 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:18 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



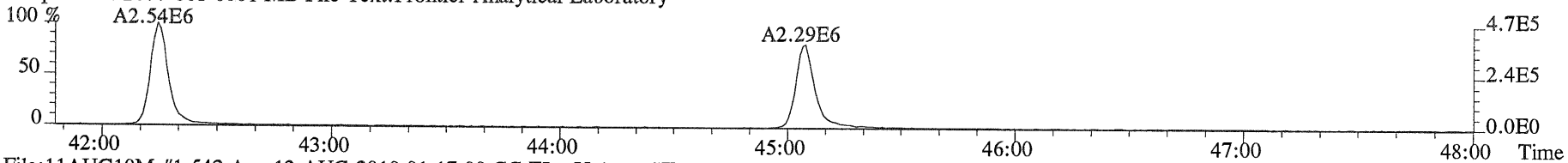
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



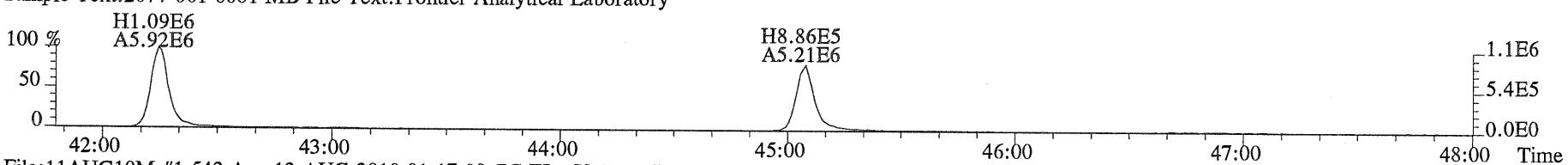
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



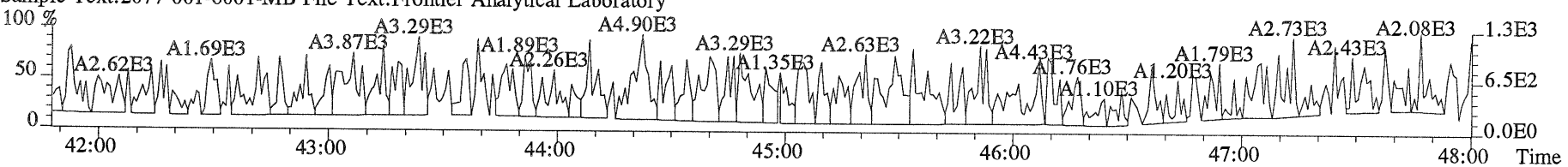
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



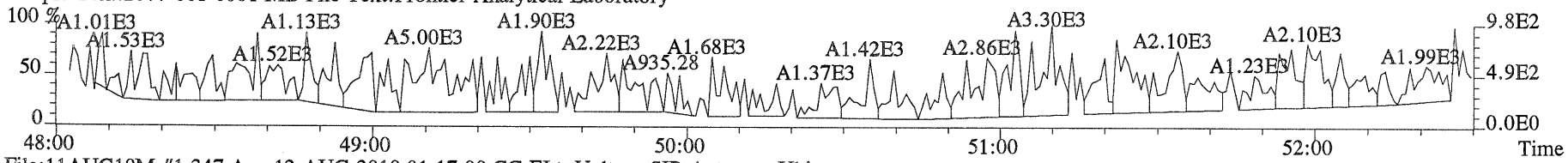
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



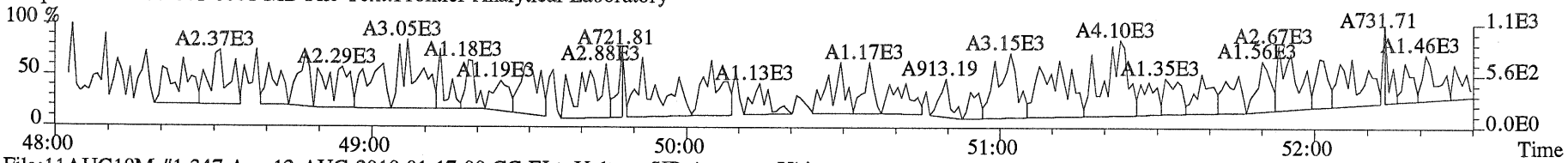
File:11AUG10M #1-542 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:18 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



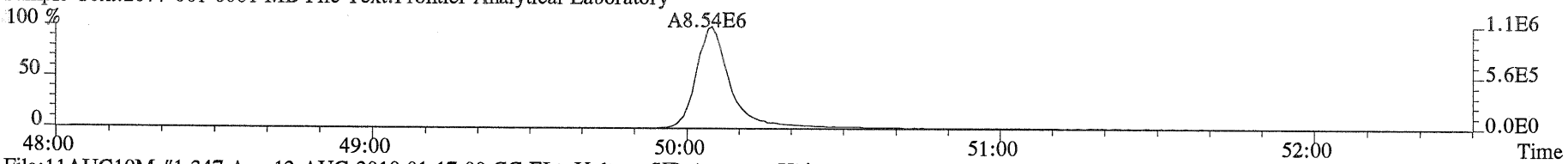
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



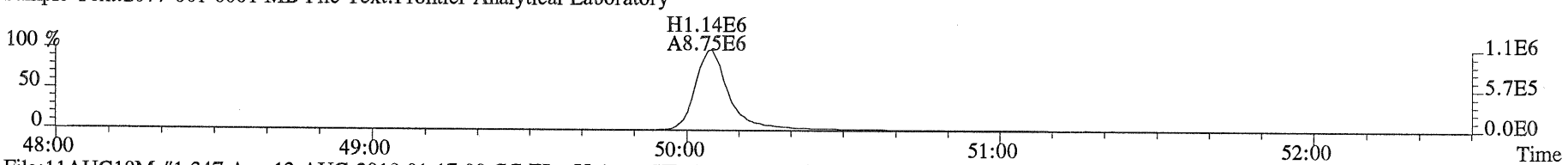
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



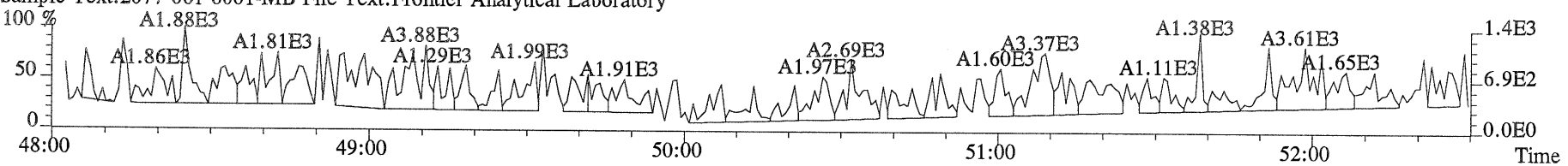
File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 01:17:00 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:18 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-MB File Text:Frontier Analytical Laboratory



2077-001-0001-DIR

USEPA - ITD

FORM 8A
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): Soil OPR Data Filename: 11AUG10M Sam:17

Ext. Date: 8/10/10 Shift: Day Analysis Date: 12-AUG-10 00:21:41

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
NATIVE ANALYTES			
2,3,7,8-TCDD	10	10.2	6.70 - 15.8
1,2,3,7,8-PeCDD	50	50.4	35.0 - 71.0
1,2,3,4,7,8-HxCDD	50	55.6	35.0 - 82.0
1,2,3,6,7,8-HxCDD	50	57.2	38.0 - 67.0
1,2,3,7,8,9-HxCDD	50	56.4	32.0 - 81.0
1,2,3,4,6,7,8-HpCDD	50	54.9	35.0 - 70.0
OCDD	100	116	78.0 - 144
2,3,7,8-TCDF	10	10.3	7.50 - 15.8
1,2,3,7,8-PeCDF	50	52.6	40.0 - 67.0
2,3,4,7,8-PeCDF	50	51.5	34.0 - 80.0
1,2,3,4,7,8-HxCDF	50	47.0	36.0 - 67.0
1,2,3,6,7,8-HxCDF	50	48.6	42.0 - 65.0
2,3,4,6,7,8-HxCDF	50	48.0	35.0 - 78.0
1,2,3,7,8,9-HxCDF	50	48.8	39.0 - 65.0
1,2,3,4,6,7,8-HpCDF	50	49.8	41.0 - 61.0
1,2,3,4,7,8,9-HpCDF	50	50.3	39.0 - 69.0
OCDF	100	93.3	63.0 - 170

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613

Analyst: _____ Date: 8/12/10

USEPA - ITD

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): Soil OPR Data Filename: 11AUG10M Sam:17

Ext. Date: 8/10/10 Shift: Day Analysis Date: 12-AUG-10 00:21:41

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
LABELED COMPOUNDS			
13C-2,3,7,8-TCDD	100	92.1	20.0 - 175
13C-1,2,3,7,8-PeCDD	100	99.4	21.0 - 227
13C-1,2,3,4,7,8-HxCDD	100	95.9	21.0 - 193
13C-1,2,3,6,7,8-HxCDD	100	86.5	25.0 - 163
13C-1,2,3,4,6,7,8-HpCDD	100	106	26.0 - 166
13C-OCDD	200	170	26.0 - 397
13C-2,3,7,8-TCDF	100	94.8	22.0 - 152
13C-1,2,3,7,8-PeCDF	100	91.5	21.0 - 192
13C-2,3,4,7,8-PeCDF	100	93.6	13.0 - 328
13C-1,2,3,4,7,8-HxCDF	100	127	19.0 - 202
13C-1,2,3,6,7,8-HxCDF	100	114	21.0 - 159
13C-2,3,4,6,7,8-HxCDF	100	115	22.0 - 176
13C-1,2,3,7,8,9-HxCDF	100	130	17.0 - 205
13C-1,2,3,4,6,7,8-HpCDF	100	109	21.0 - 158
13C-1,2,3,4,7,8,9-HpCDF	100	133	20.0 - 186
13C-OCDF	200	210	26.0 - 397
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	38.7	12.4 - 76.4

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613
Labeled compound concentration limits are based on required percent recovery of 25%-150%.

Analyst: _____ Date: 8/12/10

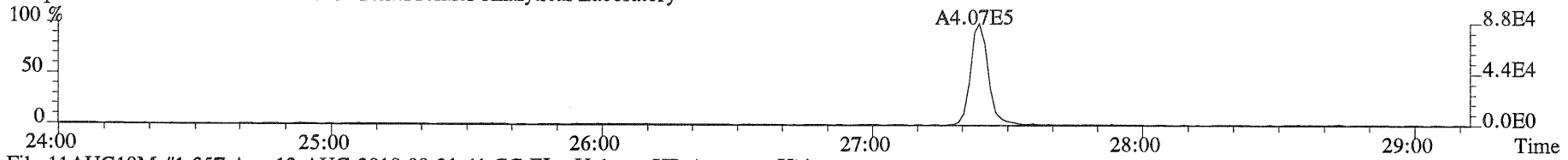
FAL ID: 2077-001-0001-OPR Filename: 11AUG10M Sam:17 Acquired: 12-AUG-10 00:21:41 ICal: PCDDFAL3-5-12-10
Client ID: OPR ConCal: ST081110M2 EndCal: ST081110M3
Results: 6277 GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 103
WHO 1998 Tox: 128 WHO 2005 Tox: 116

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	9.49e+05	0.75 y	27:24	1.04	10.2		2.50	-	-	*
1,2,3,7,8-PeCDD	4.45e+06	1.55 y	33:13	1.05	50.4		2.50	-	-	*
1,2,3,4,7,8-HxCDD	4.35e+06	1.39 y	38:34	1.30	55.6		2.50	-	-	*
1,2,3,6,7,8-HxCDD	4.18e+06	1.41 y	38:44	1.28	57.2		2.50	-	-	*
1,2,3,7,8,9-HxCDD	4.13e+06	1.40 y	39:11	1.25	56.4		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	4.81e+06	1.03 y	44:10	1.35	54.9		2.50	-	-	*
OCDD	5.17e+06	0.97 y	49:44	1.25	116		2.50	-	-	*
2,3,7,8-TCDF	2.61e+06	0.67 y	26:38	1.62	10.3		2.50	-	-	*
1,2,3,7,8-PeCDF	6.80e+06	1.50 y	31:29	0.92	52.6		2.50	-	-	*
2,3,4,7,8-PeCDF	6.54e+06	1.46 y	32:49	0.94	51.5		2.50	-	-	*
1,2,3,4,7,8-HxCDF	6.40e+06	1.25 y	37:11	0.93	47.0		2.50	-	-	*
1,2,3,6,7,8-HxCDF	6.67e+06	1.25 y	37:23	0.84	48.6		2.50	-	-	*
2,3,4,6,7,8-HxCDF	5.99e+06	1.22 y	38:19	0.90	48.0		2.50	-	-	*
1,2,3,7,8,9-HxCDF	6.15e+06	1.25 y	39:46	0.98	48.8		2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	5.46e+06	1.10 y	42:16	1.38	49.8		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	5.88e+06	1.09 y	45:05	1.62	50.3		2.50	-	-	*
OCDF	5.71e+06	0.86 y	50:06	0.74	93.3		2.50	-	-	*
										Rec
13C-2,3,7,8-TCDD	8.96e+06	0.83 y	27:23	0.93	92.1					92.1
13C-1,2,3,7,8-PeCDD	8.43e+06	1.76 y	33:12	0.81	99.4					99.4
13C-1,2,3,4,7,8-HxCDD	6.02e+06	1.21 y	38:33	0.95	95.9					95.9
13C-1,2,3,6,7,8-HxCDD	5.71e+06	1.21 y	38:43	1.00	86.5					86.5
13C-1,2,3,4,6,7,8-HpCDD	6.47e+06	1.01 y	44:09	0.92	106					106
13C-OCDD	7.12e+06	0.96 y	49:42	0.63	170					84.8
13C-2,3,7,8-TCDF	1.57e+07	0.87 y	26:37	0.87	94.8					94.8
13C-1,2,3,7,8-PeCDF	1.41e+07	1.69 y	31:27	0.81	91.5					91.5
13C-2,3,4,7,8-PeCDF	1.34e+07	1.68 y	32:47	0.75	93.6					93.6
13C-1,2,3,4,7,8-HxCDF	1.47e+07	0.52 y	37:10	1.74	127					127
13C-1,2,3,6,7,8-HxCDF	1.64e+07	0.52 y	37:22	2.17	114					114
13C-2,3,4,6,7,8-HxCDF	1.39e+07	0.52 y	38:18	1.82	115					115
13C-1,2,3,7,8,9-HxCDF	1.28e+07	0.53 y	39:45	1.49	130					130
13C-1,2,3,4,6,7,8-HpCDF	7.94e+06	0.44 y	42:15	1.10	109					109
13C-1,2,3,4,7,8,9-HpCDF	7.19e+06	0.44 y	45:05	0.81	133					133
13C-OCDF	1.66e+07	0.98 y	50:04	1.19	210					105
37Cl-2,3,7,8-TCDD	3.77e+06		27:24	0.93	38.7					96.6
13C-1,2,3,4-TCDD	1.05e+07	0.85 y	26:47	-	31.0					
13C-1,2,3,4-TCDF	1.91e+07	0.87 y	25:32	-	35.8					
13C-1,2,3,7,8,9-HxCDD	6.64e+06	1.19 y	39:11	-	30.8					

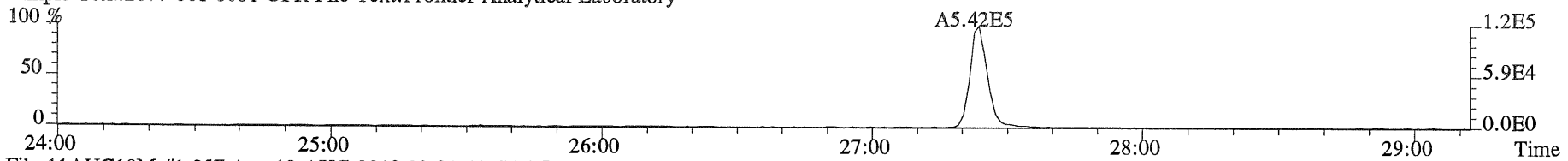
						Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	1.04e+06		23:00	1.04	11.2	2.50	-	-	*		22
Total Penta-Dioxins	4.48e+06		32:15	1.05	50.8	2.50	-	-	*		12
Total Hexa-Dioxins	1.28e+07		38:34	1.27	171	2.50	-	-	*		11
Total Hepta-Dioxins	5.16e+06		42:28	1.35	58.9	2.50	-	-	*		29
Total Tetra-Furans	2.74e+06		23:23	1.62	10.8	2.50	-	-	*		17
1st Fn. Tot Penta-Furans	6.83e+04		22:54	0.93	0.534	2.50	-	-	*	PeCDF	24
Total Penta-Furans	1.37e+07		30:13	0.93	107	2.50	-	-	*	107	11
Total Hexa-Furans	2.53e+07		35:32	0.90	193	2.50	-	-	*		12
Total Hepta-Furans	1.16e+07		42:16	1.48	103	2.50	-	-	*		27

Analyst: _____ Date: 8/12/10

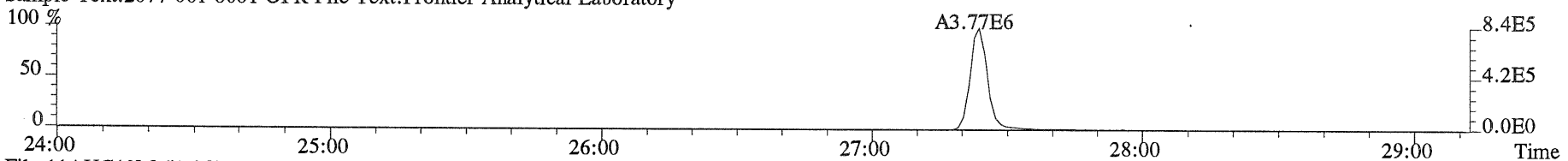
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



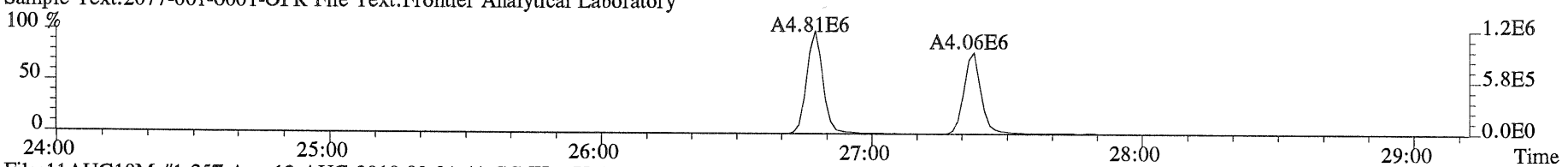
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



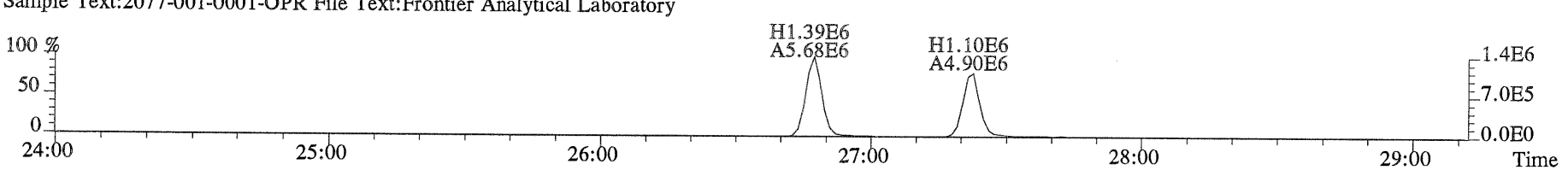
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



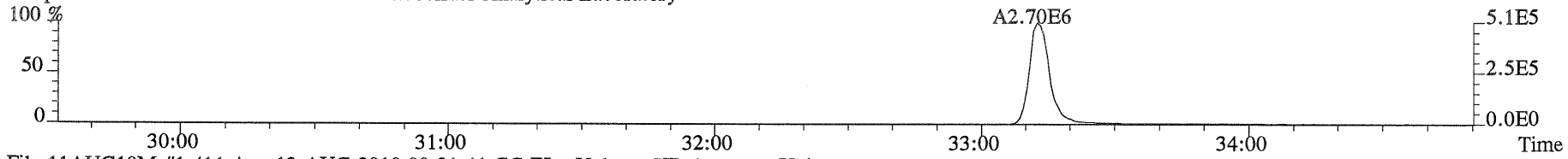
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



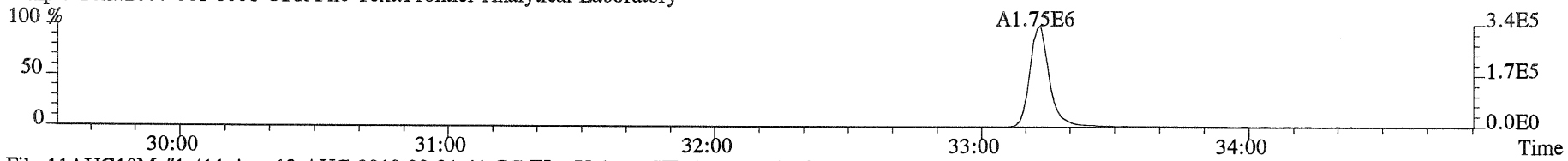
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



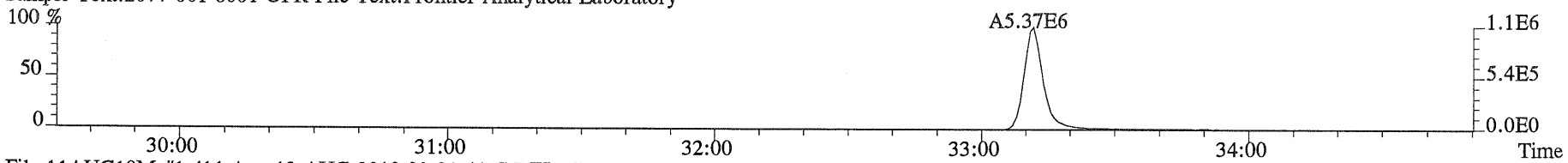
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



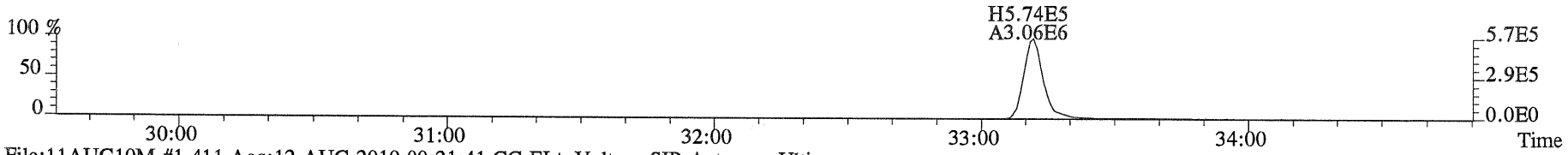
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



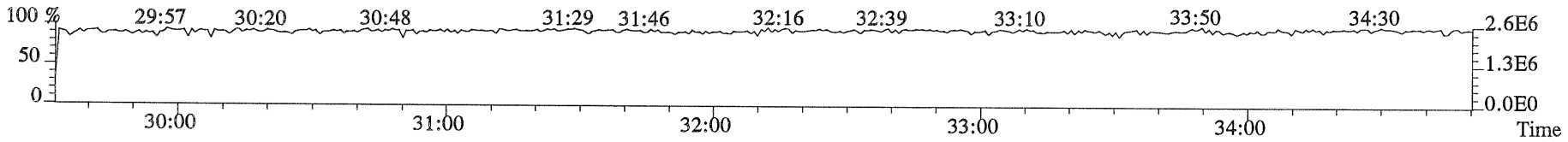
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



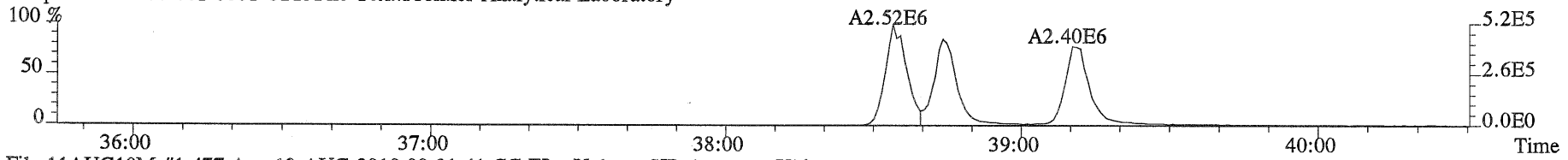
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



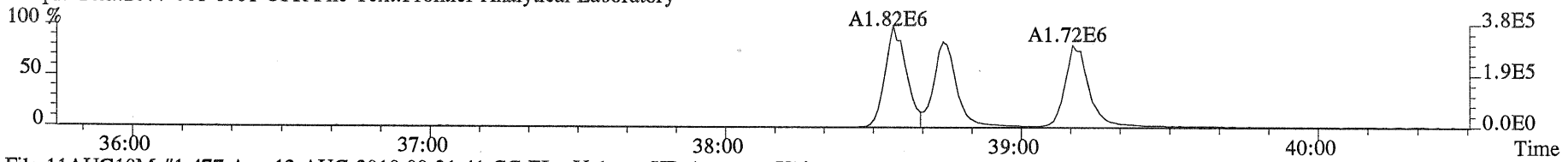
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:17 F:2 Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



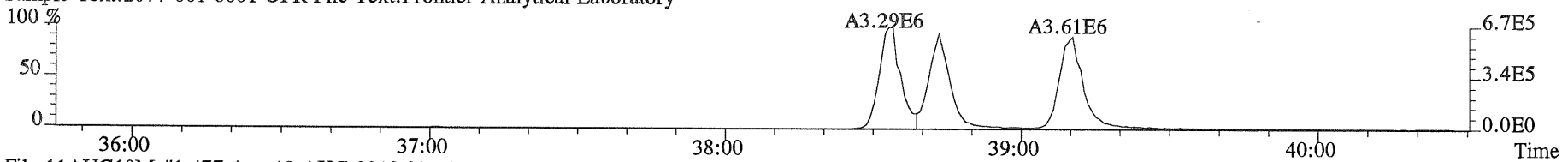
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



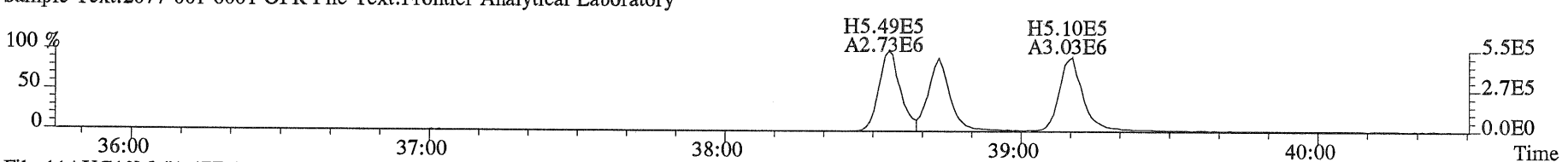
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



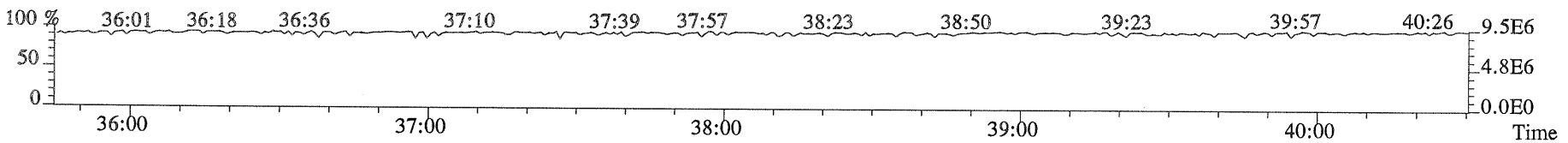
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



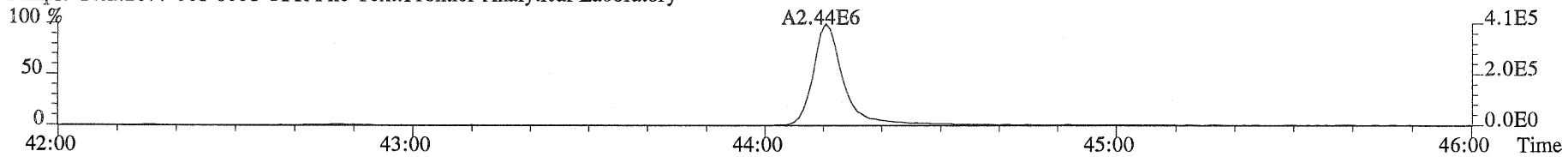
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



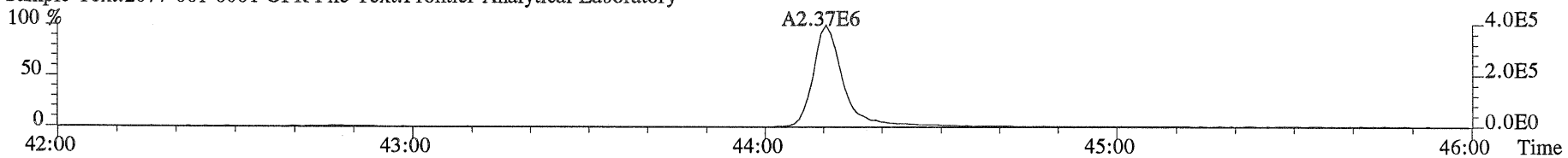
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:17 F:3 Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



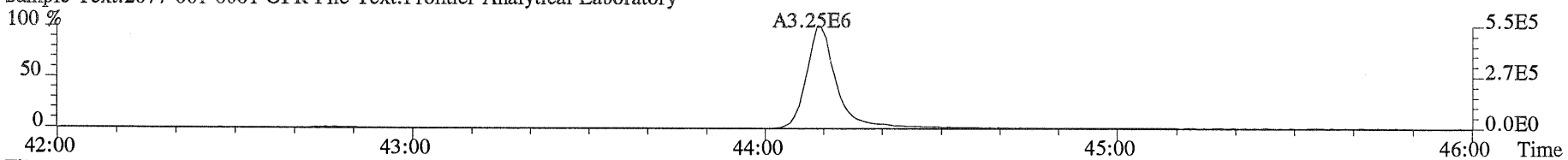
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



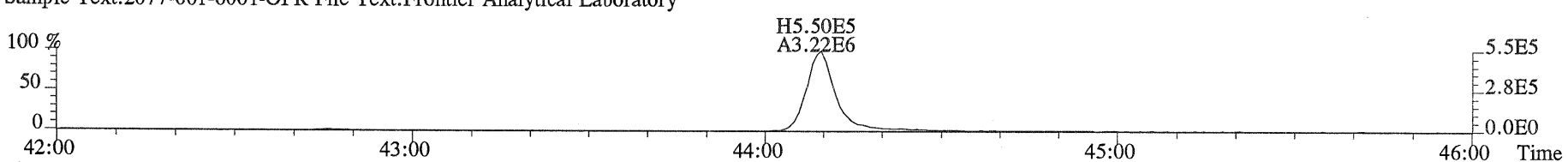
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



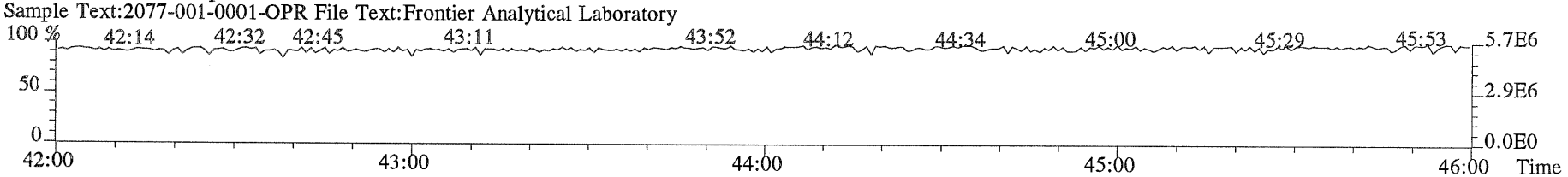
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



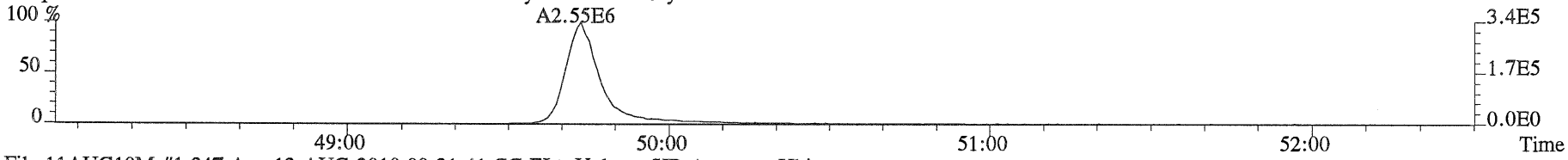
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



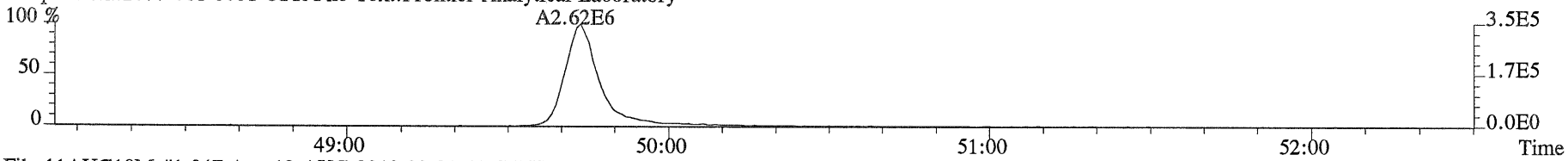
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:17 F:4 Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



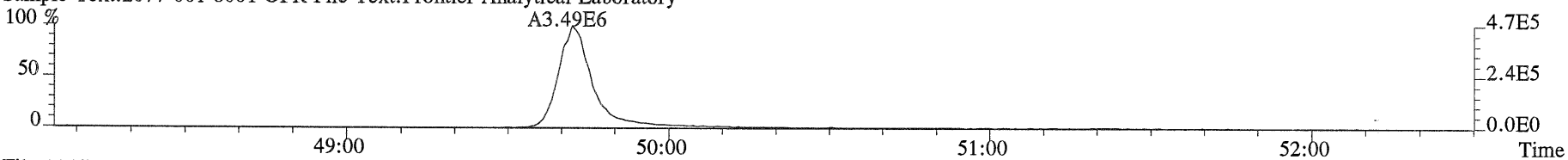
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



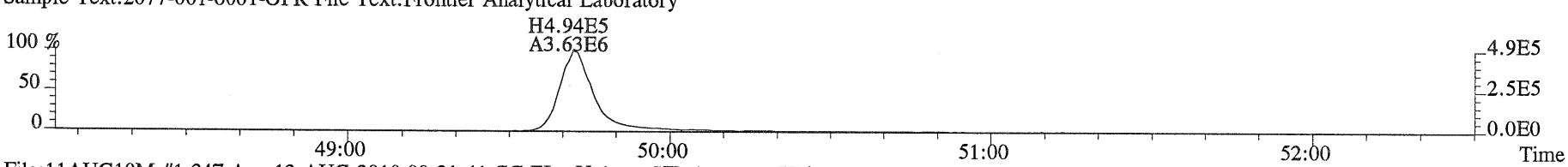
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



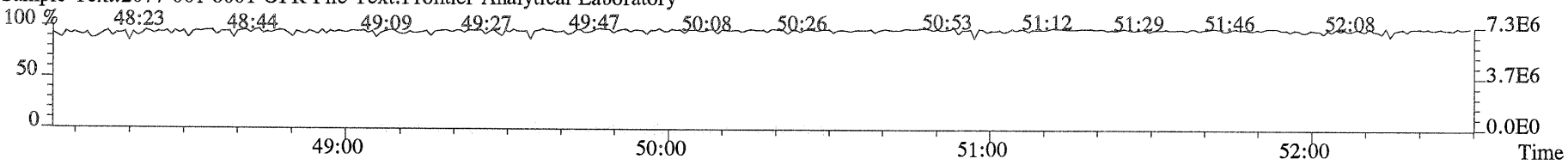
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



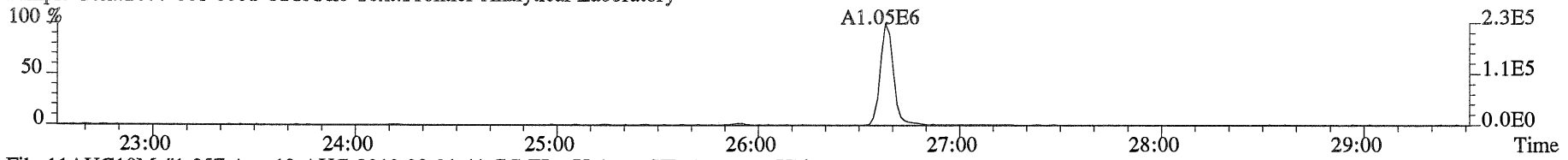
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



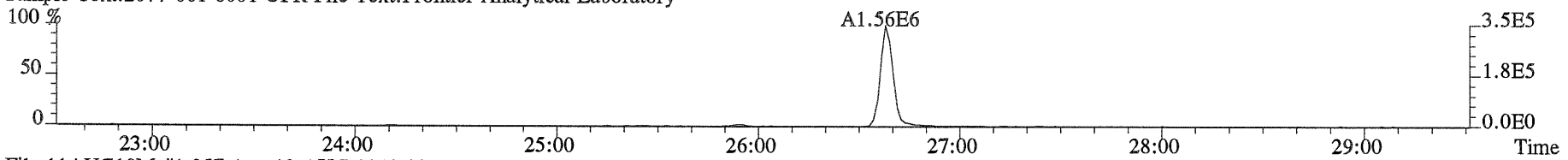
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:17 F:5 Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



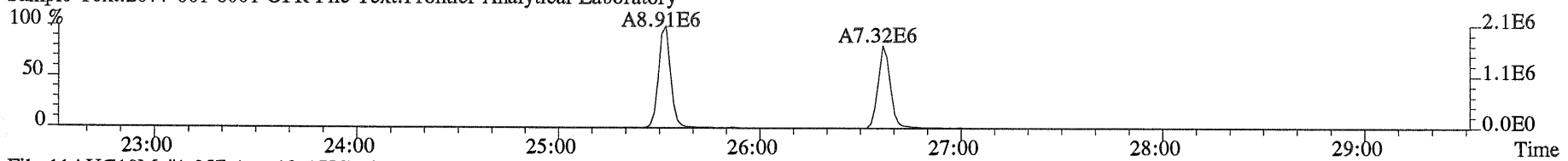
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



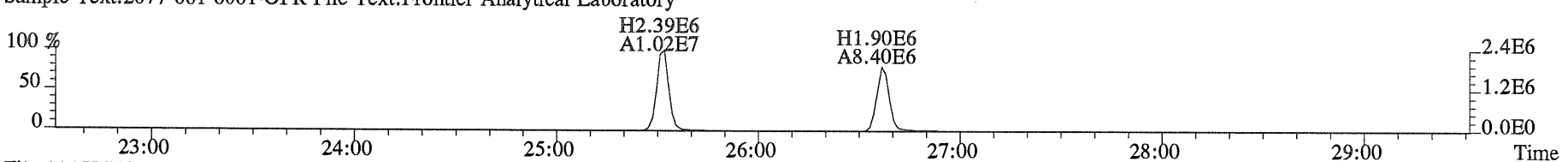
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



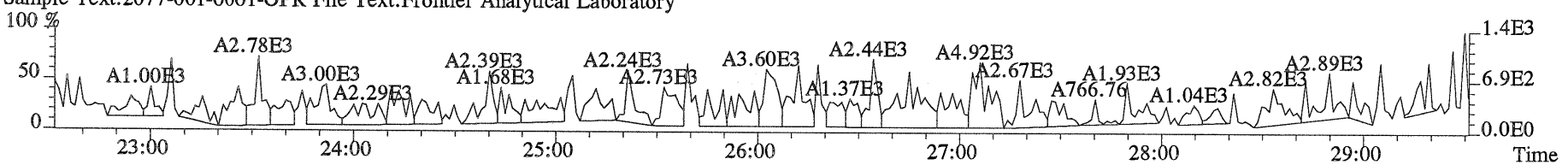
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



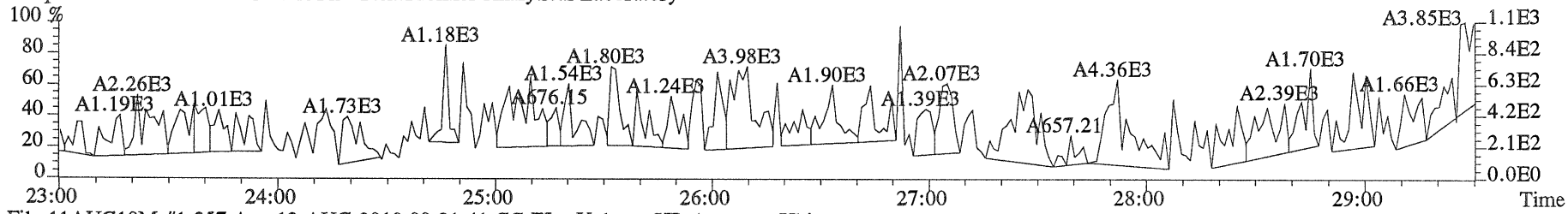
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



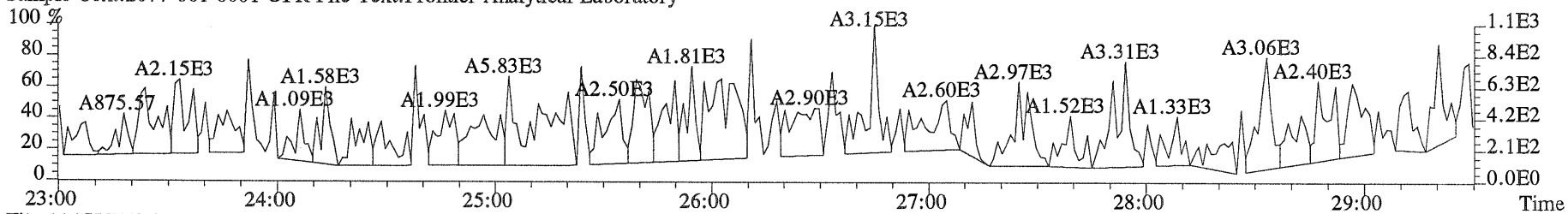
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



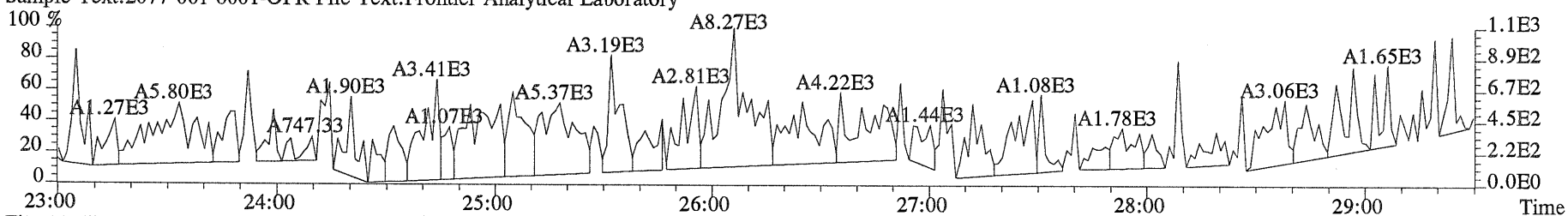
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



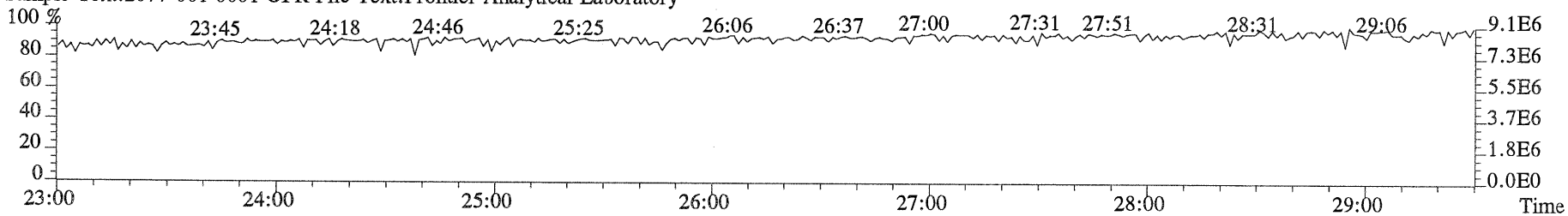
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



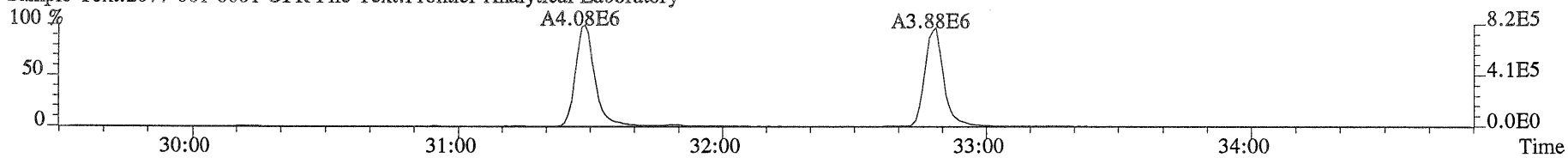
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:17 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



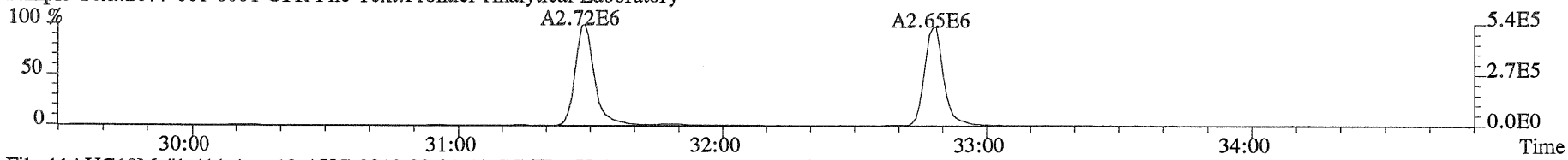
File:11AUG10M #1-357 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:17 Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



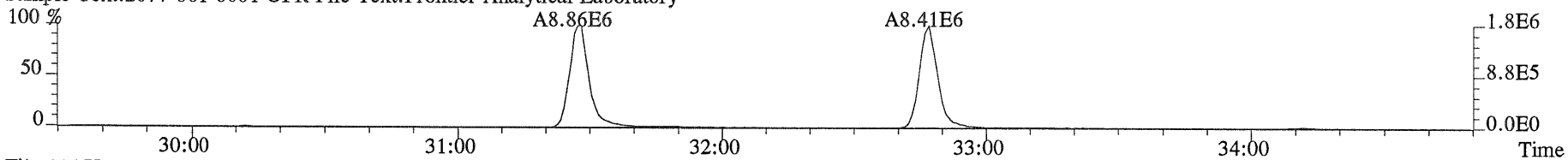
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



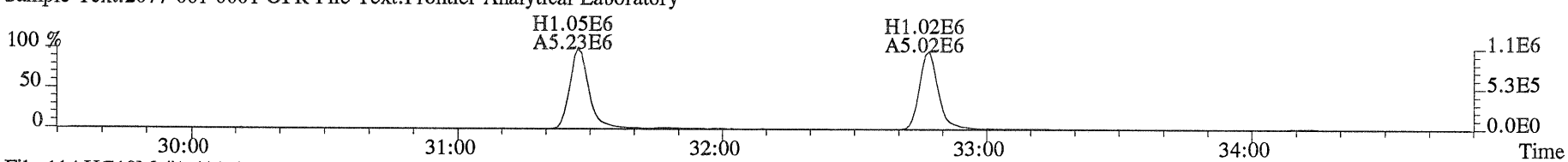
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



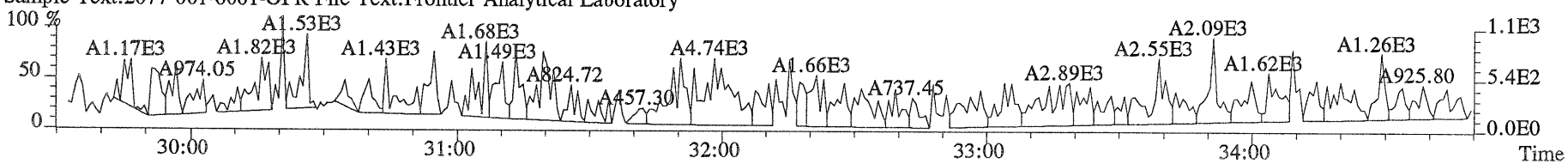
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



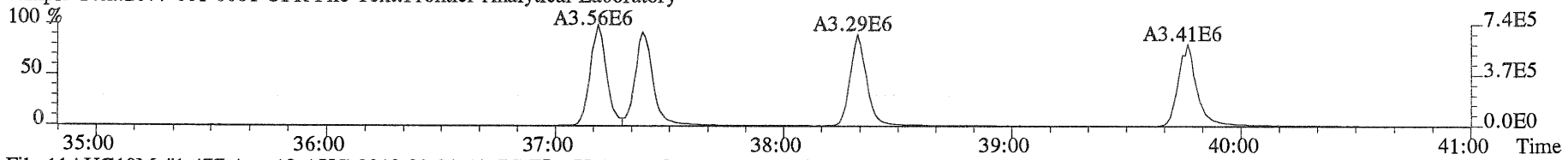
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



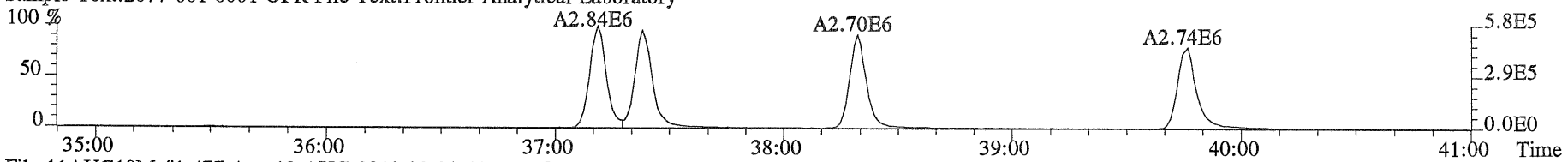
File:11AUG10M #1-411 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:17 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



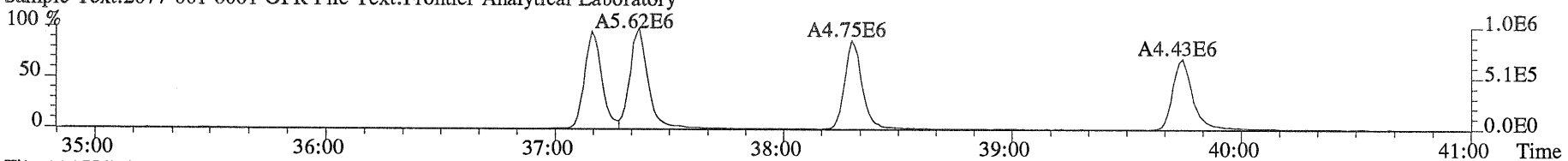
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



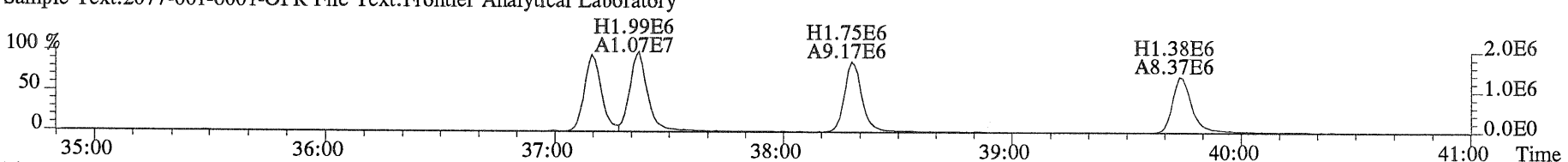
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



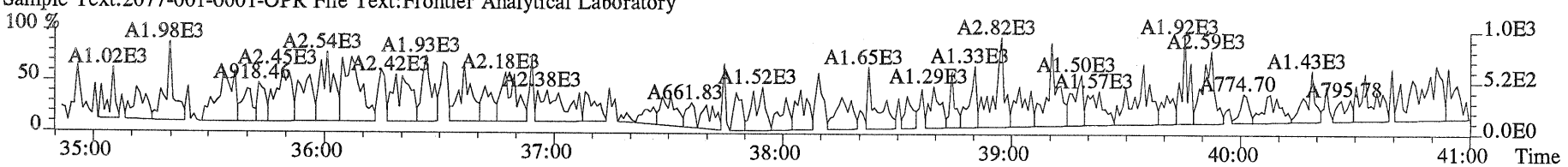
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



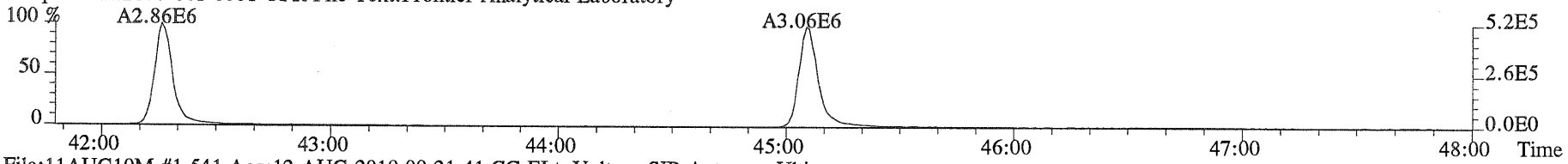
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



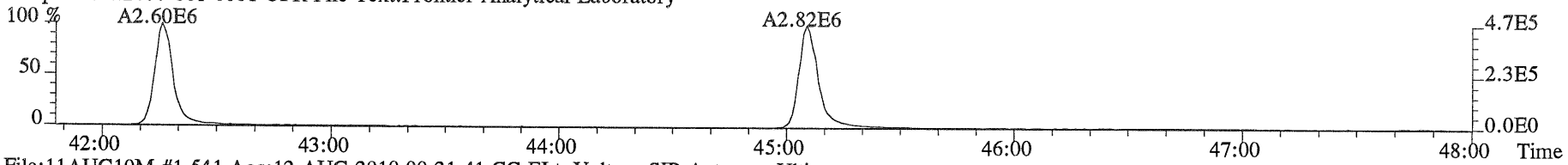
File:11AUG10M #1-477 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:17 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



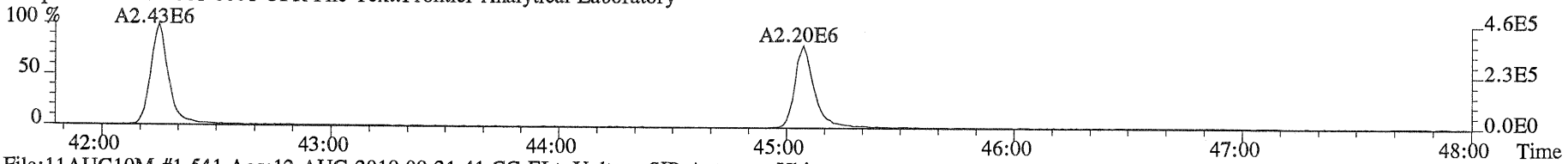
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



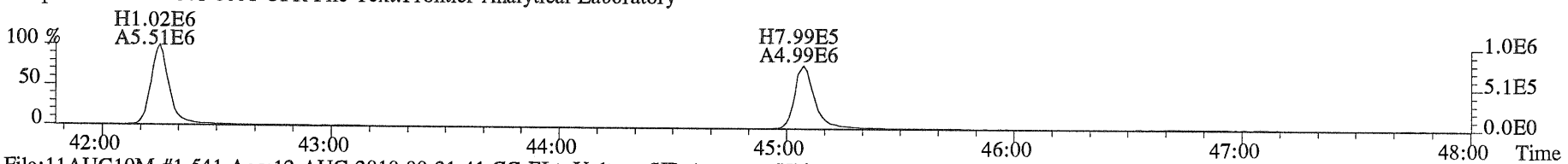
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



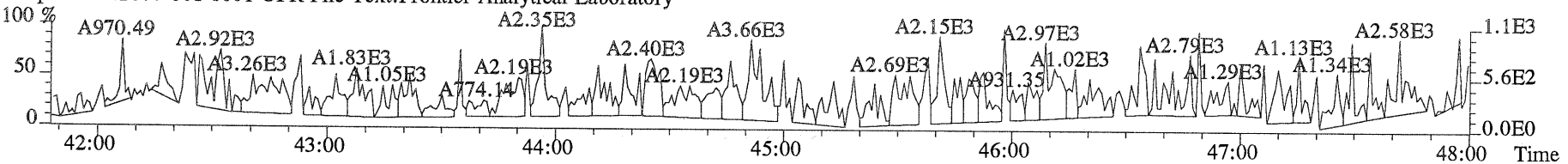
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



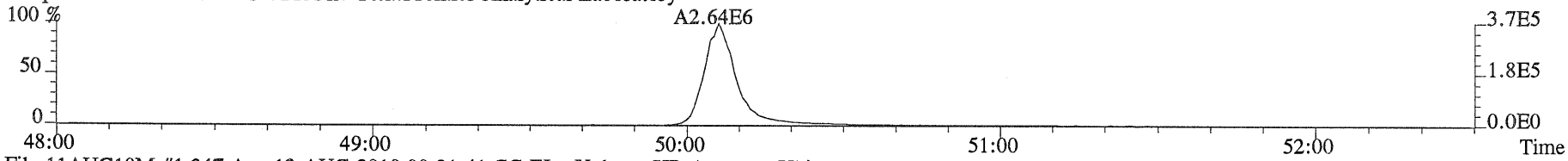
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



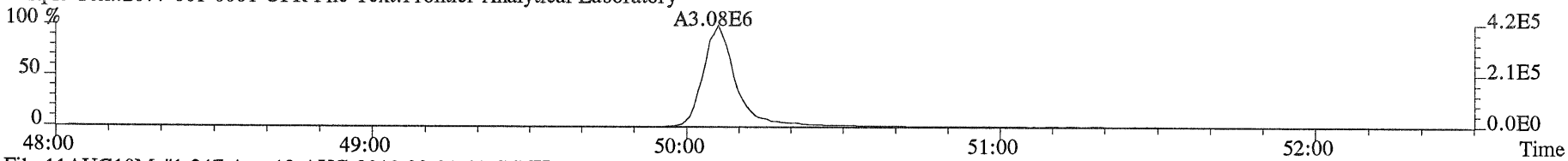
File:11AUG10M #1-541 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:17 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



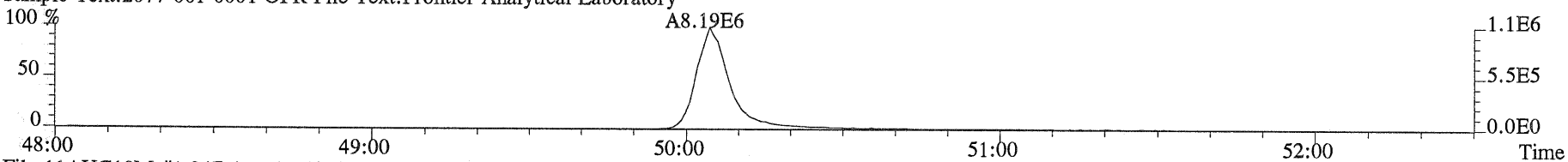
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



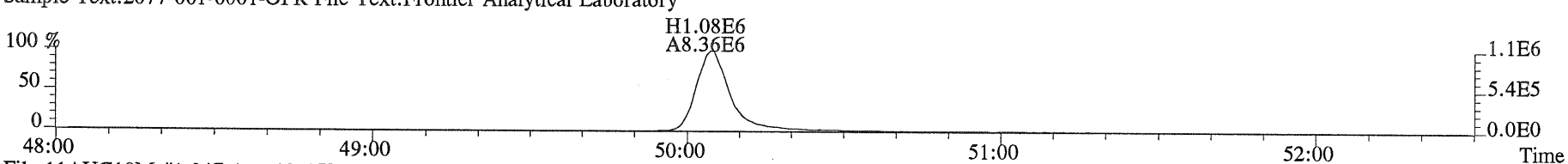
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



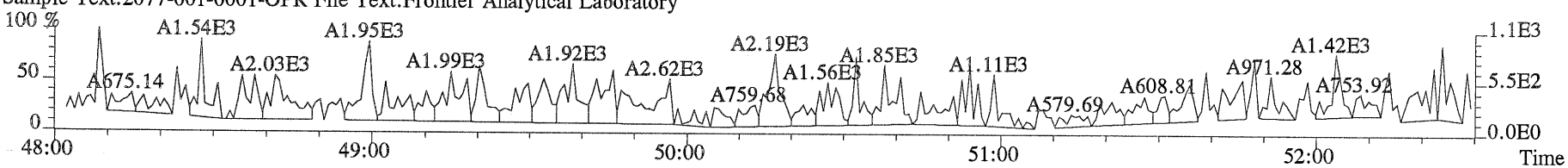
File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 00:21:41 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:17 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:2077-001-0001-OPR File Text:Frontier Analytical Laboratory



FAL ID: 6277-001-0001-SA Filename: 11AUG10M Sam:19 Acquired: 12-AUG-10 02:12:19 ICal: PCDDFAL3-5-12-10
Client ID: MW14-0-0.5-080210 ConCal: ST081110M2 EndCal: ST081110M3
Results: 6277 GC Column: db5 Amount: 2.010 NATO 1989 Tox: 0.965
WHO 1998 Tox: 0.510 WHO 2005 Tox: 0.611

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	*	*	n	NotFnd	1.04	*		2.50	324	381	0.640
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.05	*		2.50	409	267	0.710
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.30	*		2.50	505	384	1.08
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.28	*		2.50	505	384	1.23
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.25	*		2.50	505	384	1.19
1,2,3,4,6,7,8-HpCDD	4.53e+05	1.02	y	44:11	1.35	37.4		2.50	-	-	*
OCDD	3.24e+06	1.00	y	49:45	1.25	482		2.50	-	-	*
2,3,7,8-TCDF	*	*	n	NotFnd	1.62	*		2.50	651	533	0.383
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.92	*		2.50	476	359	0.619
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.94	*		2.50	476	359	0.599
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.93	*		2.50	452	415	0.627
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	0.84	*		2.50	452	415	0.671
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	452	415	0.665
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.98	*		2.50	452	415	0.746
1,2,3,4,6,7,8-HpCDF	1.26e+05	1.05	y	42:17	1.38	8.57	J	2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.62	*		2.50	338	280	0.565
OCDF	1.95e+05	0.88	y	50:07	0.74	22.4	J	2.50	-	-	*
											Rec
13C-2,3,7,8-TCDD	1.15e+07	0.86	y	27:22	0.93	1040					104
13C-1,2,3,7,8-PeCDD	1.10e+07	1.77	y	33:12	0.81	1140					114
13C-1,2,3,4,7,8-HxCDD	7.75e+06	1.21	y	38:34	0.95	912					91.7
13C-1,2,3,6,7,8-HxCDD	7.40e+06	1.22	y	38:44	1.00	828					83.2
13C-1,2,3,4,6,7,8-HpCDD	8.88e+06	1.00	y	44:09	0.92	1070					108
13C-OCDD	1.07e+07	0.97	y	49:43	0.63	1880					94.6
13C-2,3,7,8-TCDF	2.01e+07	0.87	y	26:38	0.87	1040					104
13C-1,2,3,7,8-PeCDF	1.75e+07	1.67	y	31:28	0.81	969					97.4
13C-2,3,4,7,8-PeCDF	1.73e+07	1.69	y	32:47	0.75	1030					104
13C-1,2,3,4,7,8-HxCDF	1.92e+07	0.52	y	37:10	1.74	1230					124
13C-1,2,3,6,7,8-HxCDF	2.19e+07	0.53	y	37:23	2.17	1120					113
13C-2,3,4,6,7,8-HxCDF	1.88e+07	0.55	y	38:18	1.82	1150					116
13C-1,2,3,7,8,9-HxCDF	1.73e+07	0.52	y	39:44	1.49	1300					131
13C-1,2,3,4,6,7,8-HpCDF	1.06e+07	0.44	y	42:16	1.10	1070					108
13C-1,2,3,4,7,8,9-HpCDF	9.55e+06	0.45	y	45:05	0.81	1310					131
13C-OCDF	2.33e+07	1.00	y	50:06	1.19	2190					110
37Cl-2,3,7,8-TCDD	4.77e+06			27:24	0.93	428					107
13C-1,2,3,4-TCDD	1.19e+07	0.83	y	26:48	-	17.5					
13C-1,2,3,4-TCDF	2.22e+07	0.87	y	25:32	-	20.8					
13C-1,2,3,7,8,9-HxCDD	8.94e+06	1.18	y	39:10	-	20.6					

									#Hom
Total Tetra-Dioxins	*	NotFnd	1.04	*		2.50	324	381	0.640		0
Total Penta-Dioxins	*	NotFnd	1.05	*		2.50	409	267	0.711		0
Total Hexa-Dioxins	8.54e+04	36:08	1.27	8.81	J	2.50	-	-	*		2
Total Hepta-Dioxins	8.40e+05	42:48	1.35	69.4		2.50	-	-	*		2
Total Tetra-Furans	*	NotFnd	1.62	*		2.50	802	888	0.547		0
1st Fn. Tot Penta-Furans	4.09e+04	28:26	0.93	2.51	J	2.50	-	-	*	PeCDF	1
Total Penta-Furans	*	NotFnd	0.93	*	J	2.50	-	-	*	2.51	0
Total Hexa-Furans	1.51e+05	35:15	0.90	8.58	J	2.50	-	-	*		3
Total Hepta-Furans	3.59e+05	42:17	1.48	24.1		2.50	-	-	*		2

Analyst: DN Date: 8/12/10

Totals class: Total Hexa-Dioxins Entry #: 40

Run: 22 File: 11AUG10M S: 19 I: 1 F: 3
Acquired: 12-AUG-10 02:12:19

Total Concentration: 8.81 Unnamed Concentration: 8.808

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:08	1.81e+04	1.58e+04	1.15 y	3.40e+04	3.50	
37:30	3.00e+04	2.15e+04	1.40 y	5.15e+04	5.31	

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 22 File: 11AUG10M S: 19 I: 1 F: 4
Acquired: 12-AUG-10 02:12:19

Total Concentration: 69.4 Unnamed Concentration: 32.013

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
42:48	1.97e+05	1.90e+05	1.04	y	3.87e+05	32.0	
44:11	2.29e+05	2.24e+05	1.02	y	4.53e+05	37.4	1,2,3,4,6,7,8-HpCDD

Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 22 File: 11AUG10M S: 19 I: 1 F: 1
Acquired: 12-AUG-10 02:12:19

Total Concentration: 2.51 Unnamed Concentration: 2.513

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
28:26	2.43e+04	1.66e+04	1.46	y	4.09e+04	2.51	

Totals class: Total Hexa-Furans Entry #: 45

Run: 22 File: 11AUG10M S: 19 I: 1 F: 3
Acquired: 12-AUG-10 02:12:19

Total Concentration: 8.58 Unnamed Concentration: 8.582

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
35:15	1.20e+04	8.63e+03	1.39	y	2.07e+04	1.18	
35:31	3.39e+04	2.43e+04	1.39	y	5.83e+04	3.32	
36:25	4.02e+04	3.16e+04	1.27	y	7.17e+04	4.09	

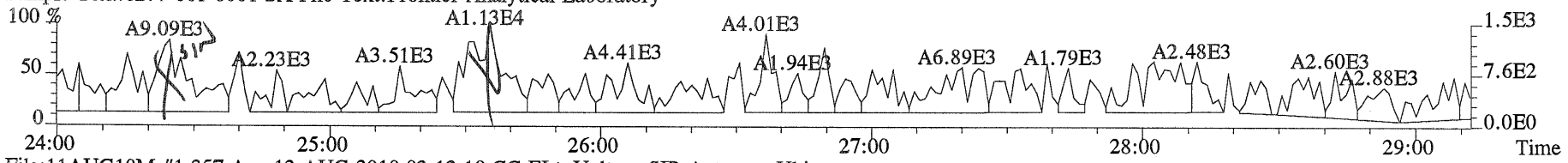
Totals class: Total Hepta-Furans Entry #: 46

Run: 22 File: 11AUG10M S: 19 I: 1 F: 4
Acquired: 12-AUG-10 02:12:19

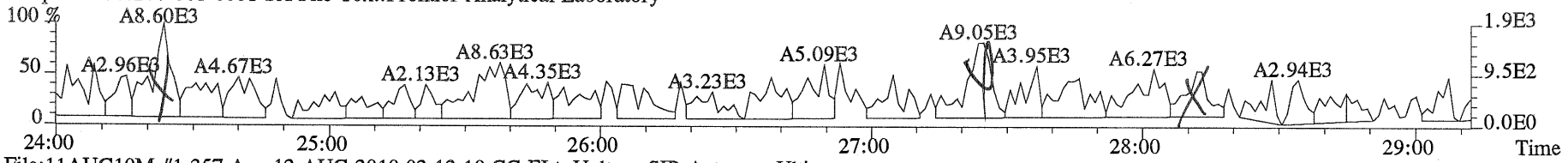
Total Concentration: 24.1 Unnamed Concentration: 15.546

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
42:17	6.45e+04	6.13e+04	1.05	y	1.26e+05	8.57	1,2,3,4,6,7,8-HpCDF
43:05	1.18e+05	1.15e+05	1.03	y	2.34e+05	15.5	

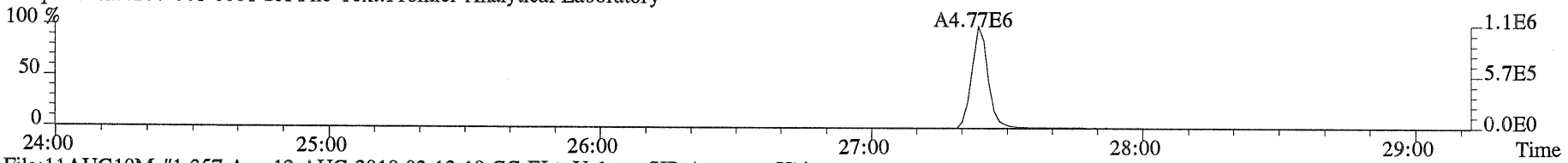
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



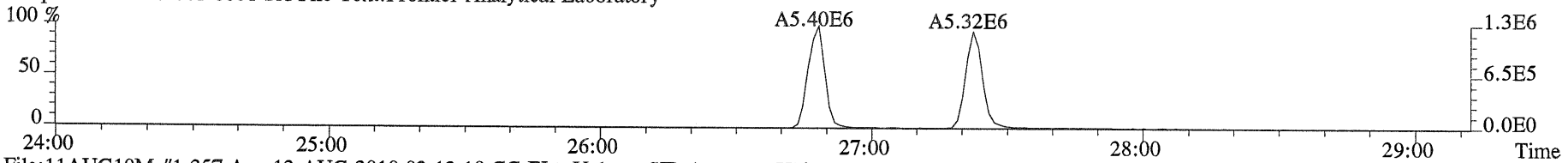
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



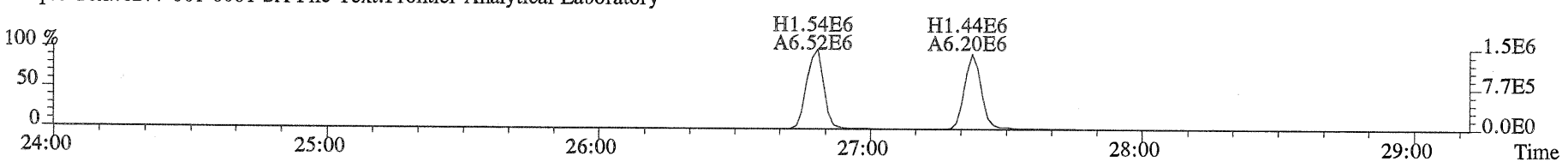
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



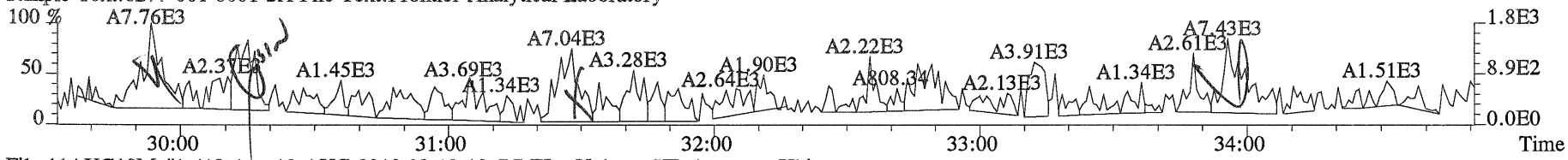
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



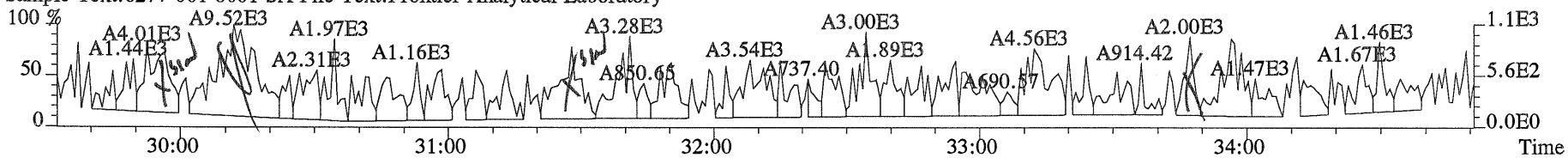
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



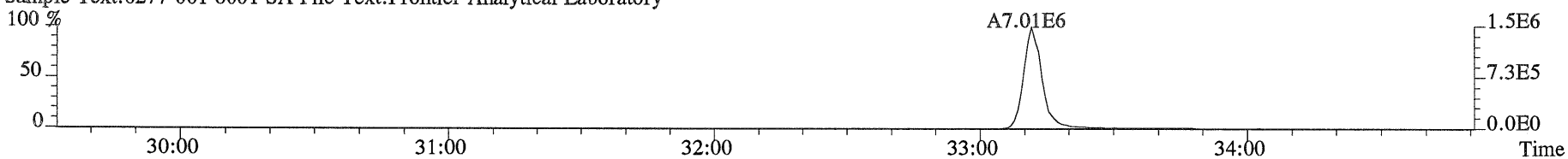
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



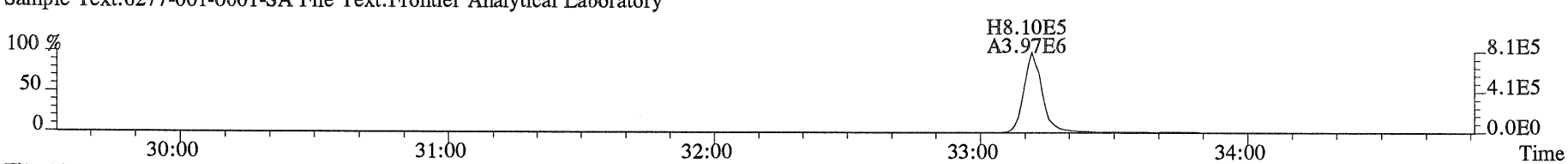
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



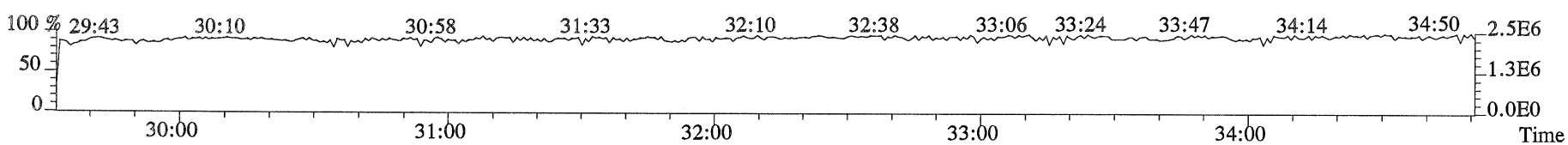
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



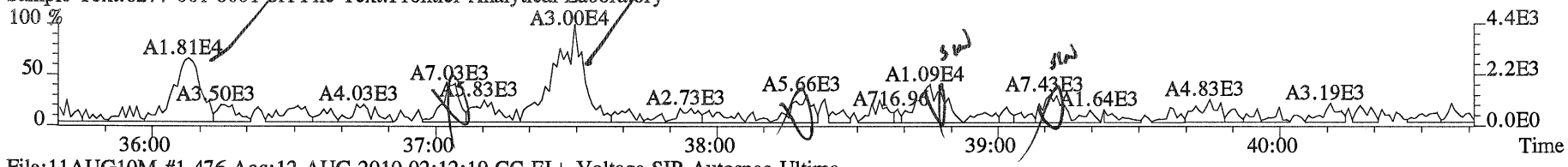
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



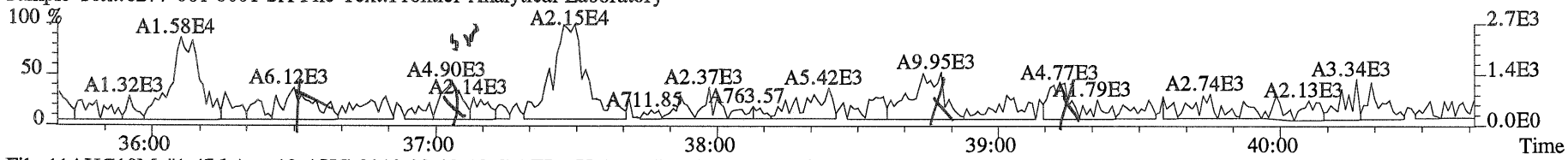
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:19 F:2 Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



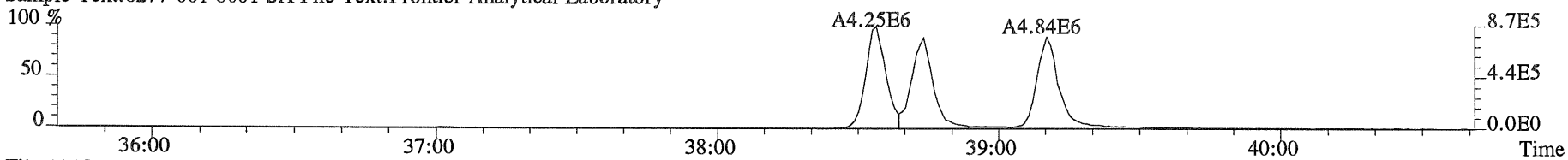
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



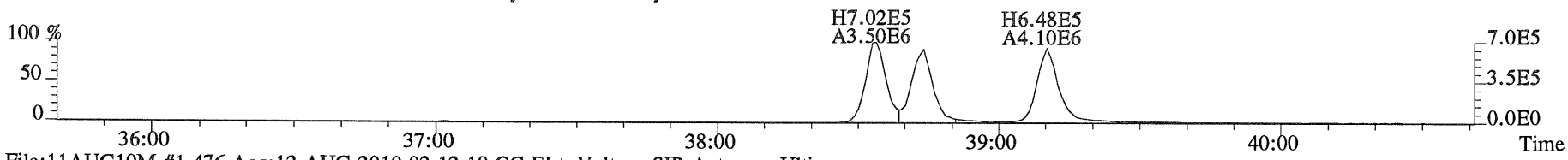
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



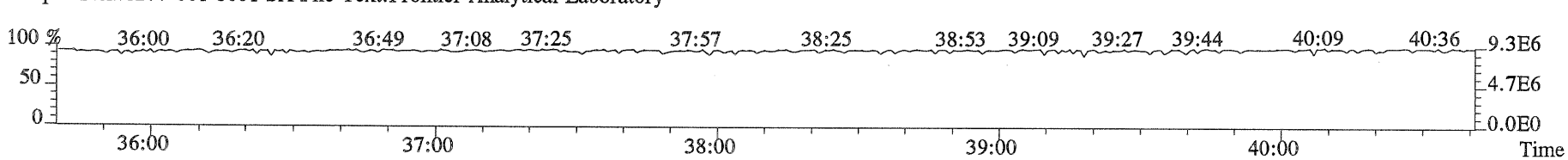
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



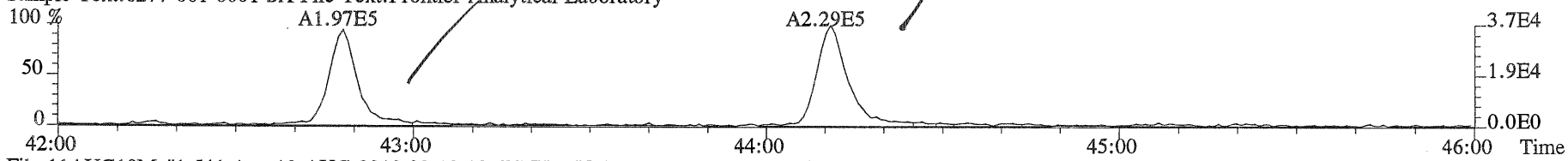
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



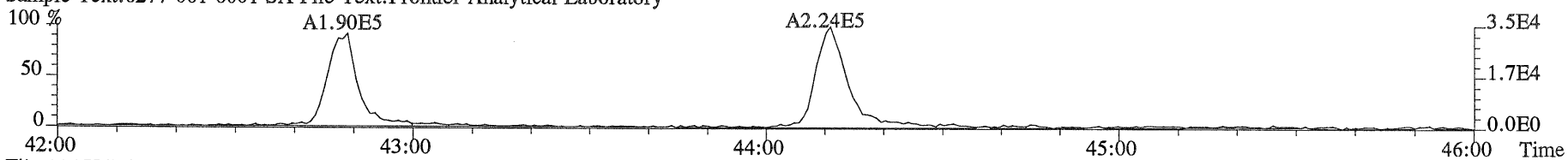
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:19 F:3 Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



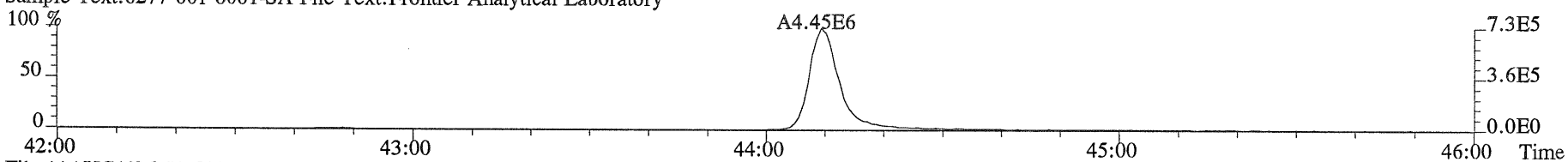
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



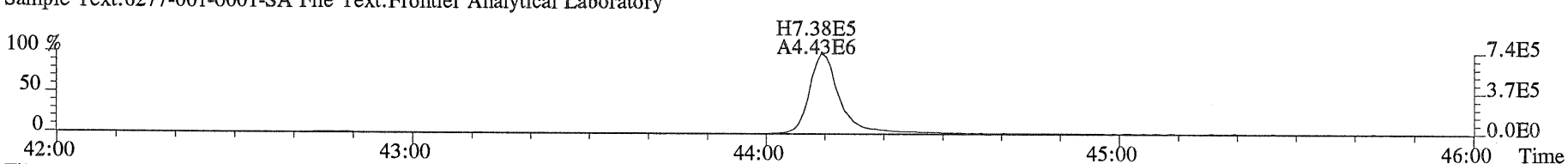
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



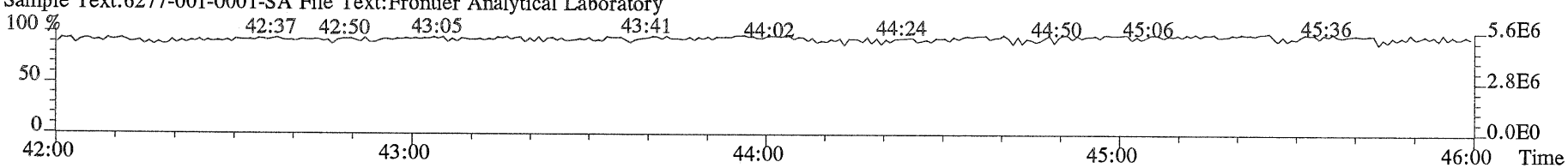
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



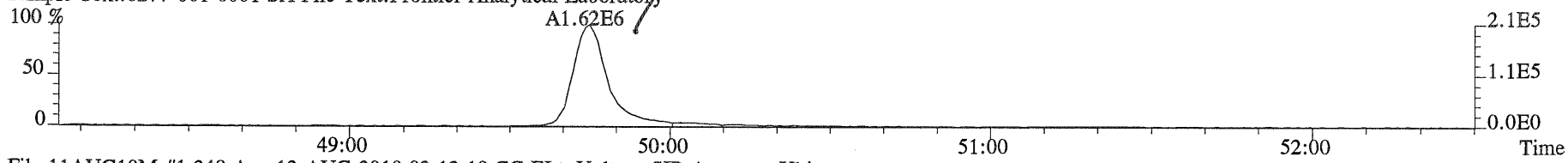
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



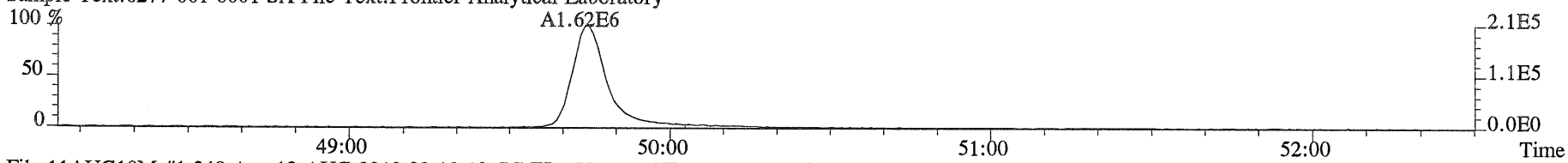
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:19 F:4 Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory

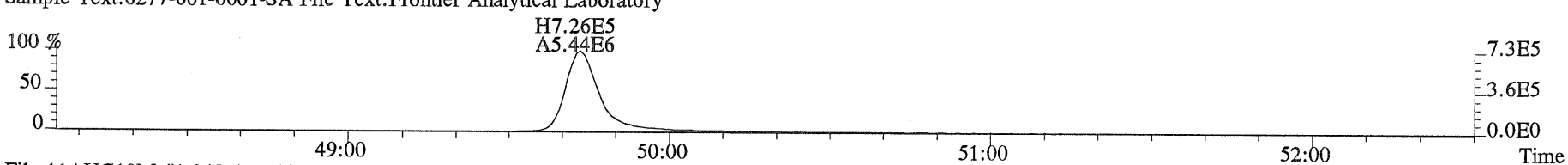


File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory

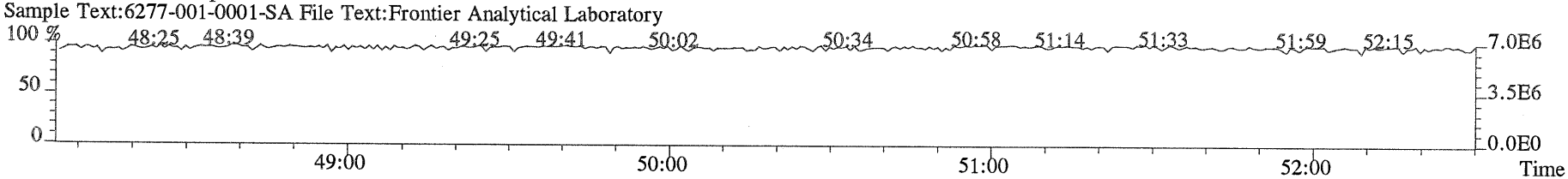


File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory

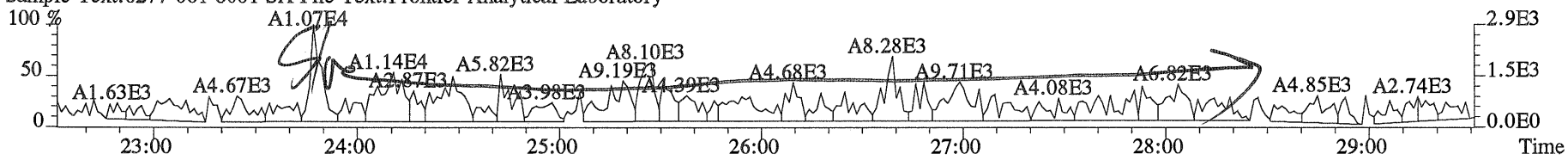
File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



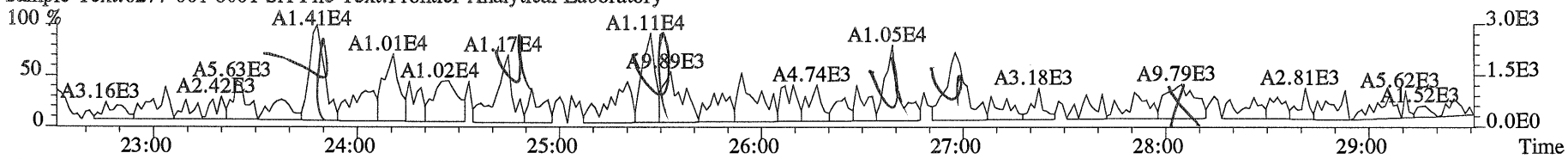
File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:19 F:5 Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



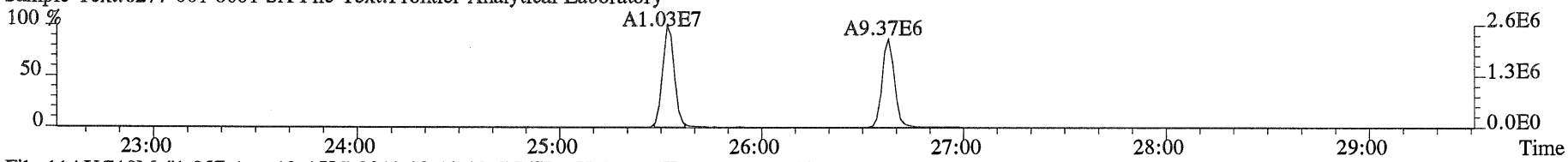
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



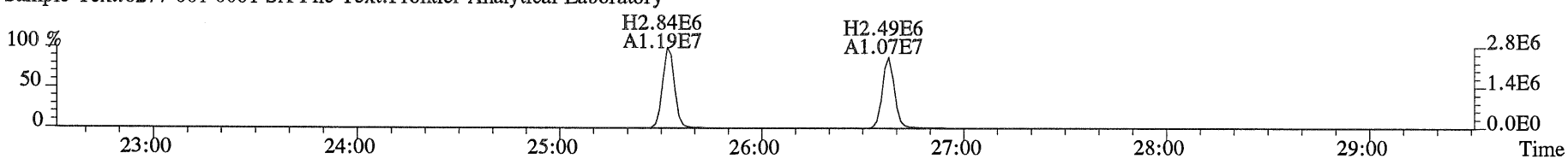
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



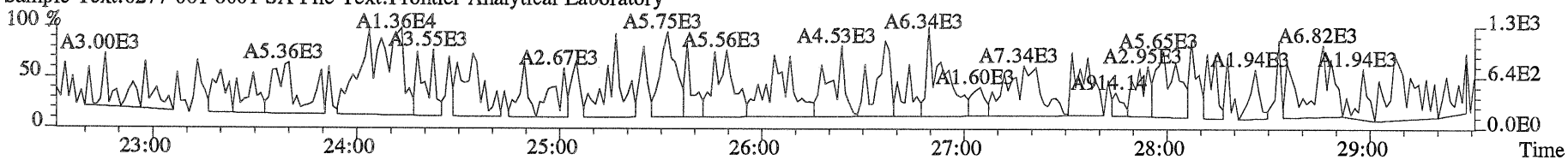
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



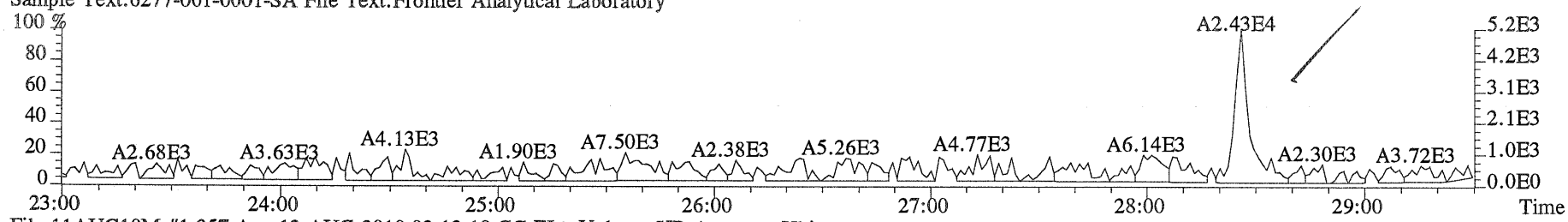
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



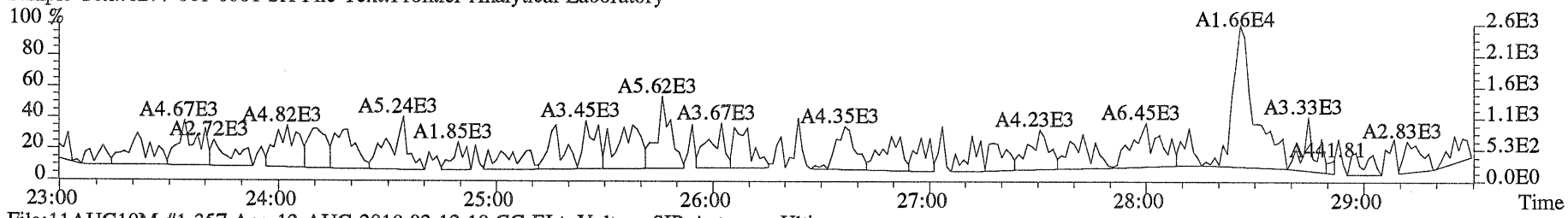
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



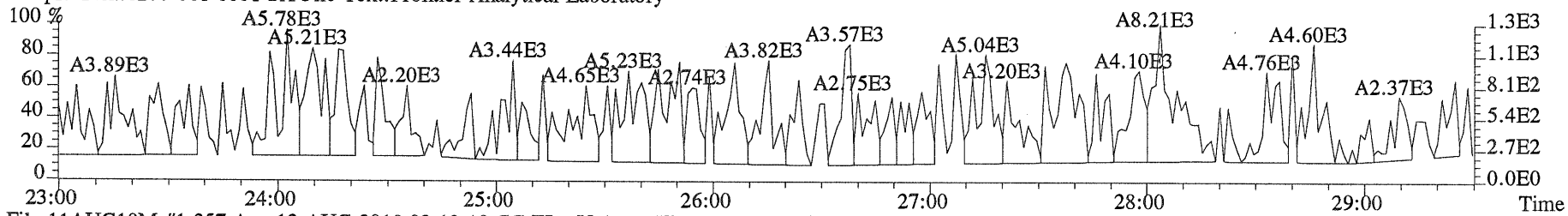
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



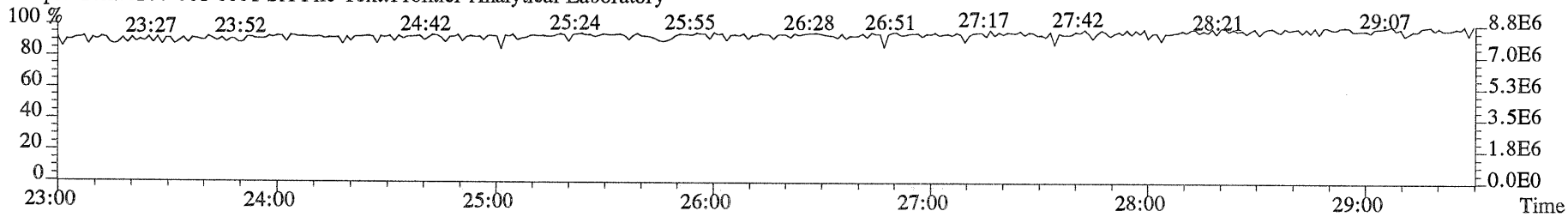
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



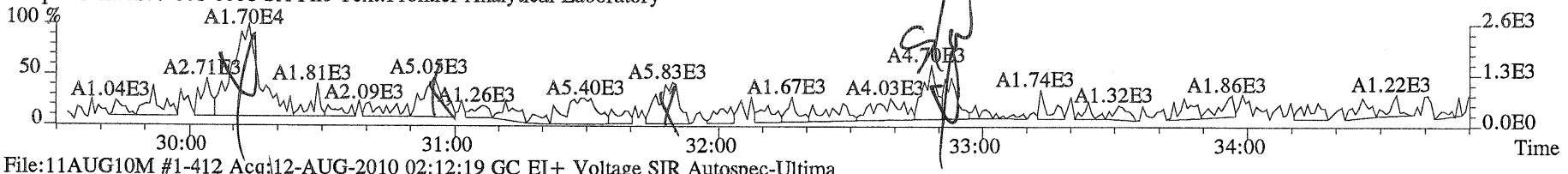
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:19 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



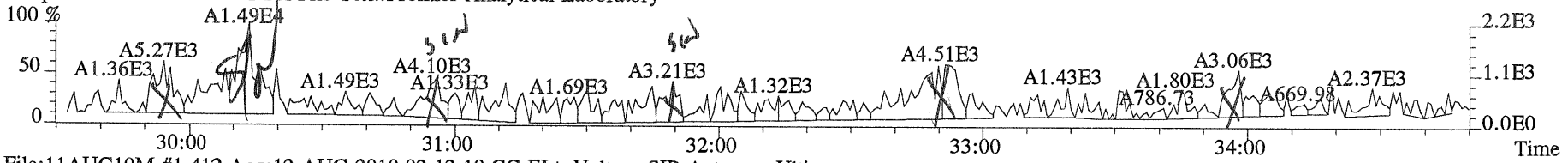
File:11AUG10M #1-357 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:19 Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



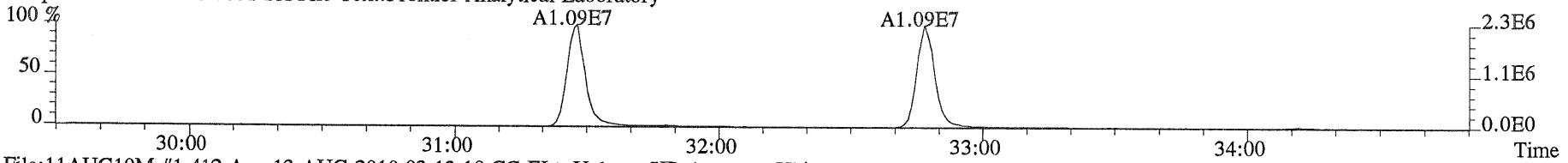
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



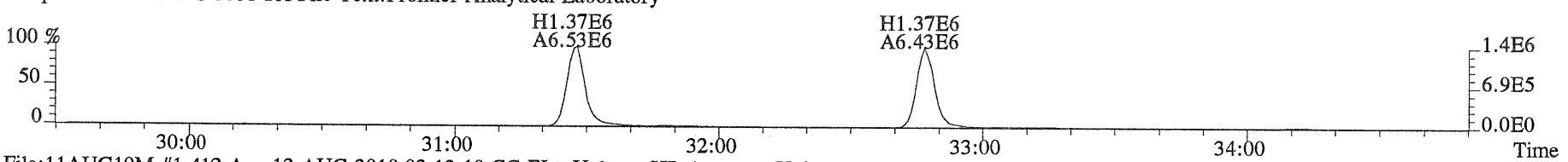
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



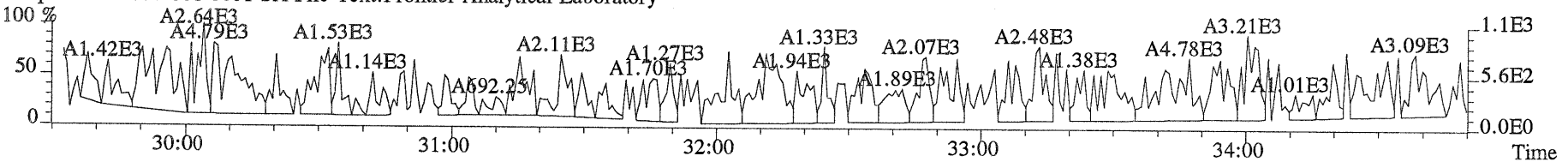
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



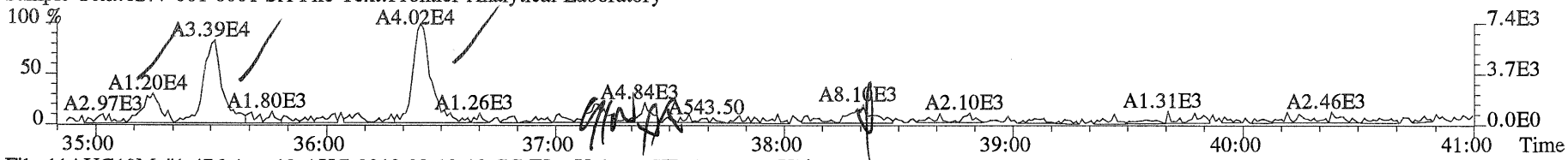
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



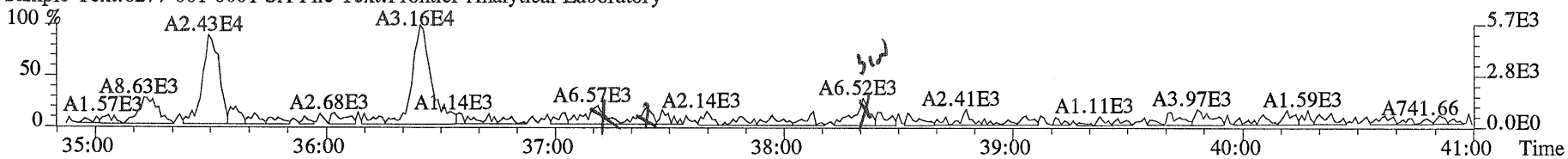
File:11AUG10M #1-412 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:19 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



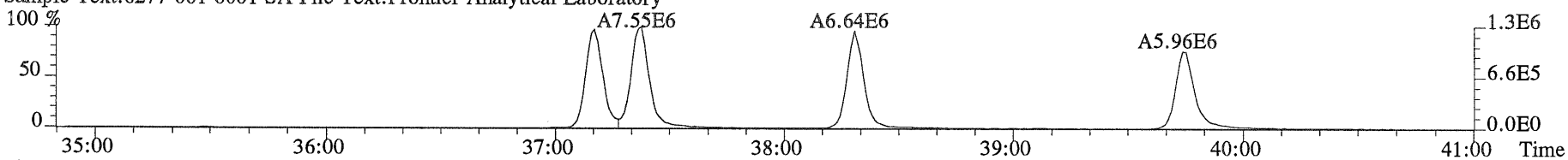
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



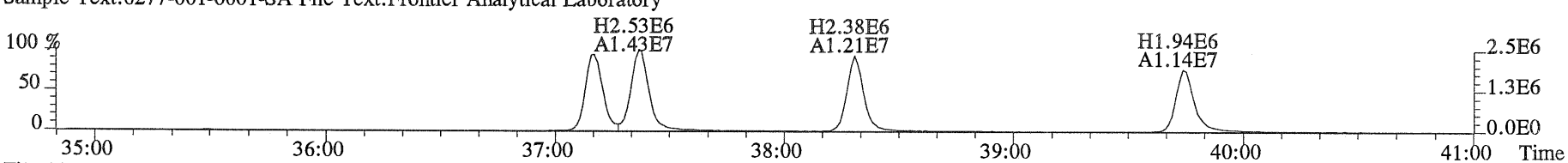
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



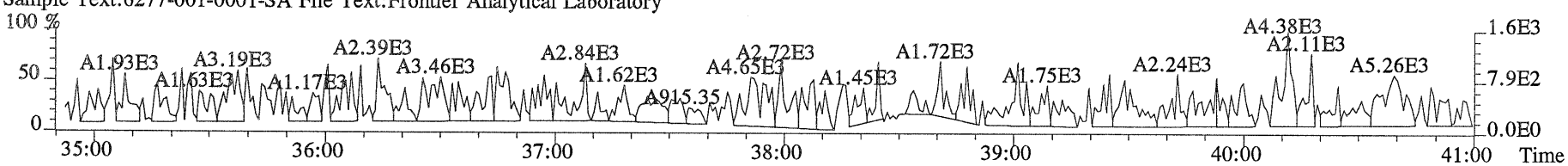
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



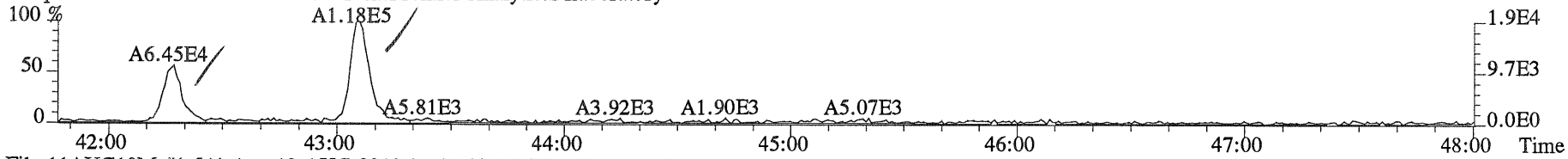
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



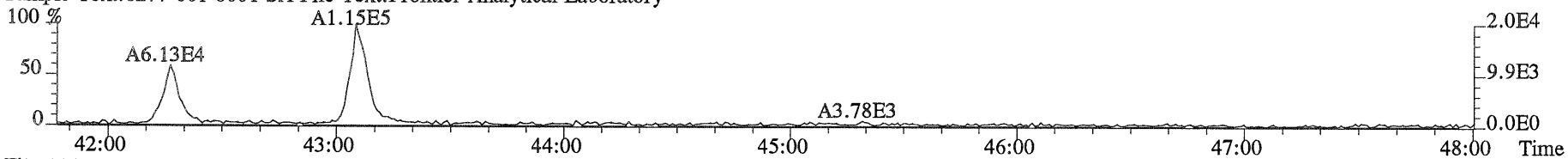
File:11AUG10M #1-476 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:19 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



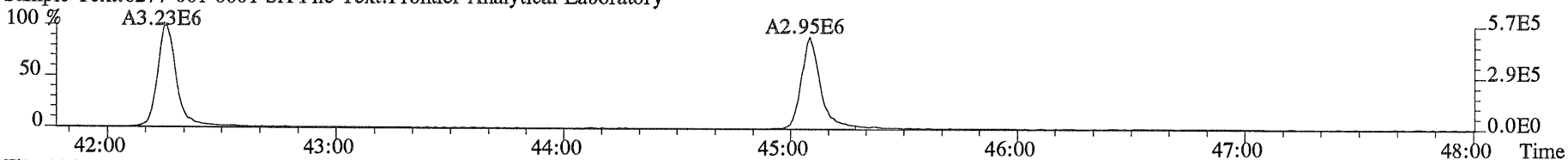
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



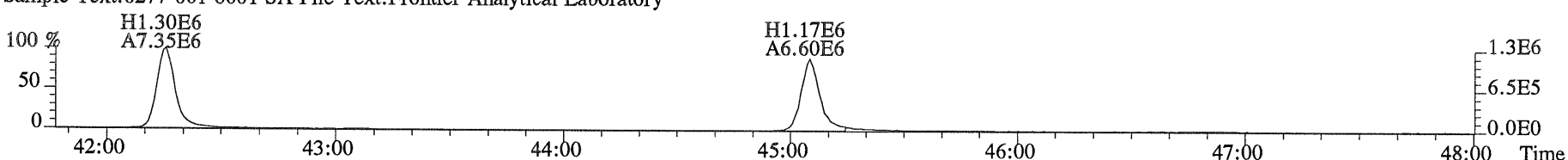
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



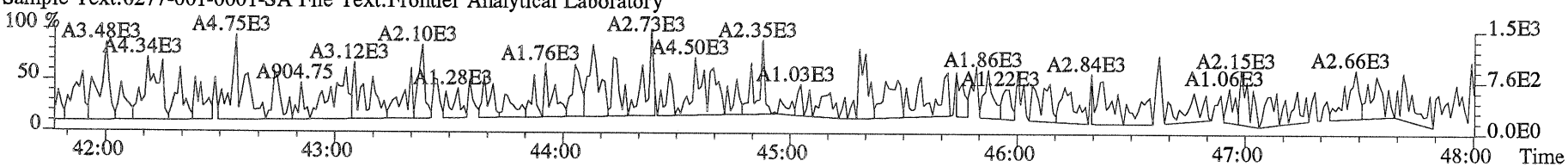
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



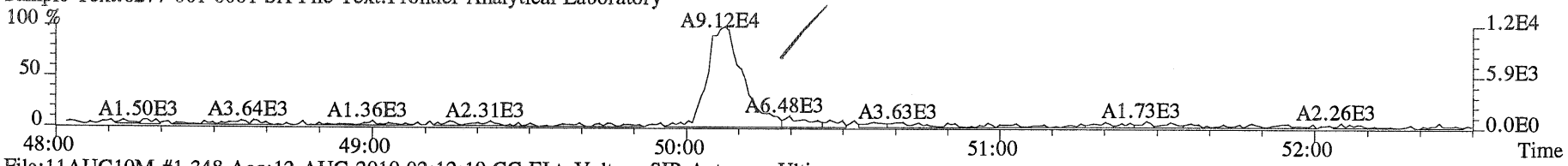
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



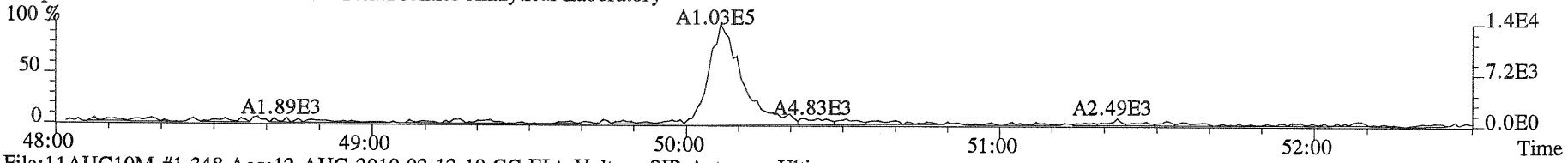
File:11AUG10M #1-541 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:19 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



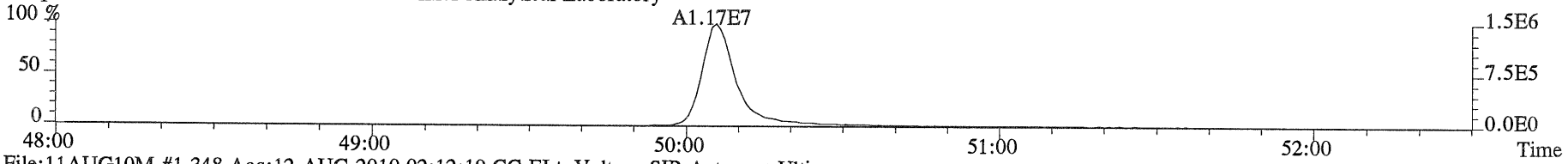
File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



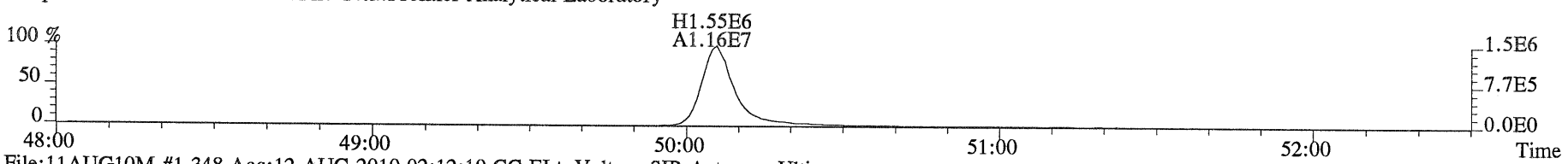
File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



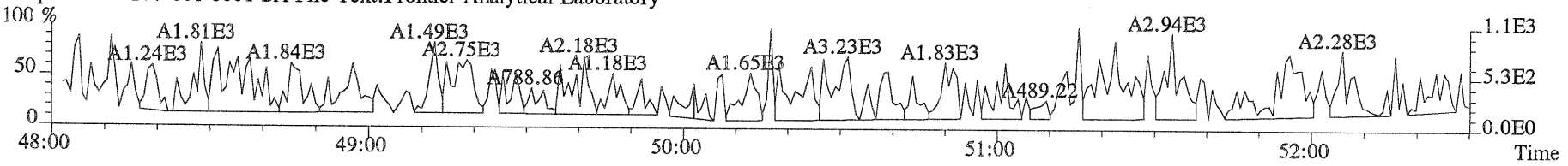
File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-348 Acq:12-AUG-2010 02:12:19 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:19 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6277-002-0001-SA Filename: 11AUG10M Sam:8 Acquired: 11-AUG-10 16:03:20 ICal: PCDDFAL3-5-12-10
Client ID: MW14-1.5-2-080210 ConCal: ST081110M1 EndCal: ST081110M2
Results: 6277 GC Column: DB5 Amount: 2.010 NATO 1989 Tox: 0.199
WHO 1998 Tox: 0.135 WHO 2005 Tox: 0.149

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	*	*	n	NotFnd	1.04	*		2.50	285	321	0.437
1,2,3,7,8-PeCDD	*	*	n	NotFnd	1.05	*		2.50	405	319	0.644
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	1.30	*		2.50	479	398	0.848
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	1.28	*		2.50	479	398	0.993
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	1.25	*		2.50	479	398	0.947
1,2,3,4,6,7,8-HpCDD	1.38e+05	1.00	y	44:12	1.35	10.2	J	2.50	-	-	*
OCDD	4.89e+05	0.99	y	49:44	1.25	64.7		2.50	-	-	*
2,3,7,8-TCDF	*	*	n	NotFnd	1.62	*		2.50	392	433	0.217
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.92	*		2.50	361	430	0.494
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.94	*		2.50	361	430	0.476
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.93	*		2.50	381	393	0.481
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	0.84	*		2.50	381	393	0.514
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	381	393	0.538
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.98	*		2.50	381	393	0.625
1,2,3,4,6,7,8-HpCDF	4.21e+04	1.05	y	42:17	1.38	2.59	J	2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	1.62	*		2.50	540	350	0.833
OCDF	5.38e+04	0.89	y	50:05	0.74	6.11	J	2.50	-	-	*
											Rec
13C-2,3,7,8-TCDD	1.44e+07	0.83	y	27:22	0.93	870					87.5
13C-1,2,3,7,8-PeCDD	1.37e+07	1.74	y	33:11	0.81	947					95.2
13C-1,2,3,4,7,8-HxCDD	9.68e+06	1.25	y	38:34	0.95	895					90.0
13C-1,2,3,6,7,8-HxCDD	9.05e+06	1.22	y	38:44	1.00	795					79.9
13C-1,2,3,4,6,7,8-HpCDD	9.95e+06	1.00	y	44:10	0.92	946					95.0
13C-OCDD	1.20e+07	0.91	y	49:42	0.63	1670					83.7
13C-2,3,7,8-TCDF	2.42e+07	0.87	y	26:37	0.87	906					91.0
13C-1,2,3,7,8-PeCDF	2.06e+07	1.64	y	31:28	0.81	832					83.7
13C-2,3,4,7,8-PeCDF	2.05e+07	1.66	y	32:47	0.75	889					89.3
13C-1,2,3,4,7,8-HxCDF	2.12e+07	0.52	y	37:10	1.74	1070					107
13C-1,2,3,6,7,8-HxCDF	2.45e+07	0.51	y	37:22	2.17	990					99.5
13C-2,3,4,6,7,8-HxCDF	2.11e+07	0.51	y	38:19	1.82	1020					102
13C-1,2,3,7,8,9-HxCDF	1.83e+07	0.51	y	39:45	1.49	1080					108
13C-1,2,3,4,6,7,8-HpCDF	1.17e+07	0.43	y	42:15	1.10	934					93.9
13C-1,2,3,4,7,8,9-HpCDF	9.82e+06	0.43	y	45:05	0.81	1050					106
13C-OCDF	2.37e+07	0.96	y	50:05	1.19	1750					87.8
37Cl-2,3,7,8-TCDD	5.74e+06			27:25	0.93	345					86.7
13C-1,2,3,4-TCDD	1.78e+07	0.84	y	26:48	-	26.1					
13C-1,2,3,4-TCDF	3.06e+07	0.88	y	25:33	-	28.6					
13C-1,2,3,7,8,9-HxCDD	1.14e+07	1.24	y	39:11	-	26.2					

												#Hom
								Fac	Noise-1	Noise-2	DL	
Total Tetra-Dioxins	*			NotFnd	1.04	*		2.50	285	321	0.437	0
Total Penta-Dioxins	*			NotFnd	1.05	*		2.50	405	319	0.644	0
Total Hexa-Dioxins	*			NotFnd	1.27	*		2.50	479	398	0.993	0
Total Hepta-Dioxins	2.71e+05			42:48	1.35	20.0		2.50	-	-	*	2
Total Tetra-Furans	*			NotFnd	1.62	*		2.50	392	433	0.217	0
1st Fn. Tot Penta-Furans	*			NotFnd	0.93	*		2.50	361	430	0.494 PeCDF	0
Total Penta-Furans	*			NotFnd	0.93	*		2.50	361	430	0.494 0.00	0
Total Hexa-Furans	*			NotFnd	0.90	*		2.50	534	541	0.748	0
Total Hepta-Furans	1.01e+05			42:17	1.48	6.23	J	2.50	-	-	*	2

Analyst: _____ Date: 8/12/10

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 13 File: 11AUG10M S: 8 I: 1 F: 4
Acquired: 11-AUG-10 16:03:20

Total Concentration: 20.0 Unnamed Concentration: 9.794

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	6.44e+04	6.82e+04	0.94 y	1.33e+05	9.79	
44:12	6.89e+04	6.92e+04	1.00 y	1.38e+05	10.2	1,2,3,4,6,7,8-HpCDD

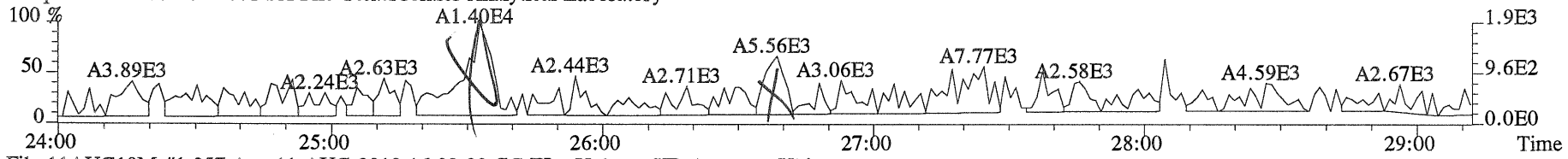
Totals class: Total Hepta-Furans Entry #: 46

Run: 13 File: 11AUG10M S: 8 I: 1 F: 4
Acquired: 11-AUG-10 16:03:20

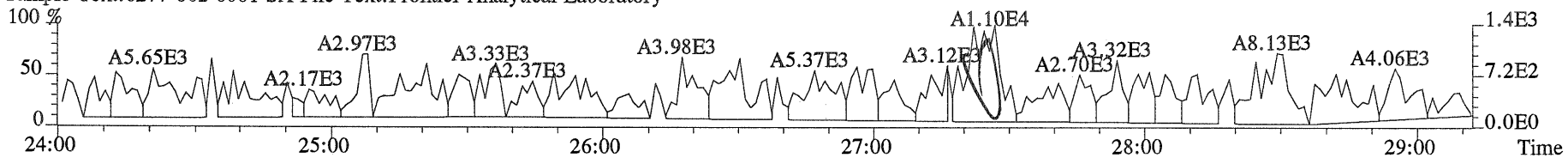
Total Concentration: 6.23 Unnamed Concentration: 3.635

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:17	2.16e+04	2.05e+04	1.05 y	4.21e+04	2.59	1,2,3,4,6,7,8-HpCDF
43:06	3.08e+04	2.76e+04	1.11 y	5.84e+04	3.64	

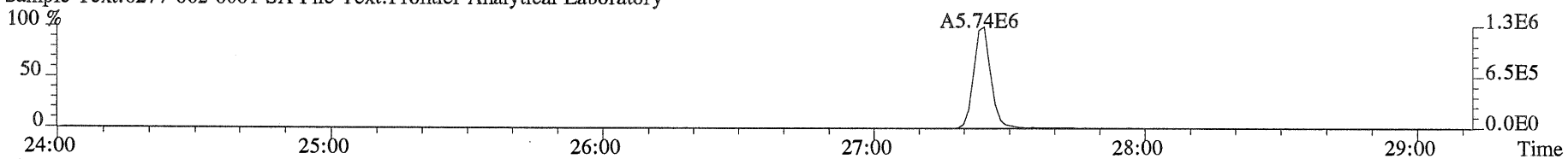
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



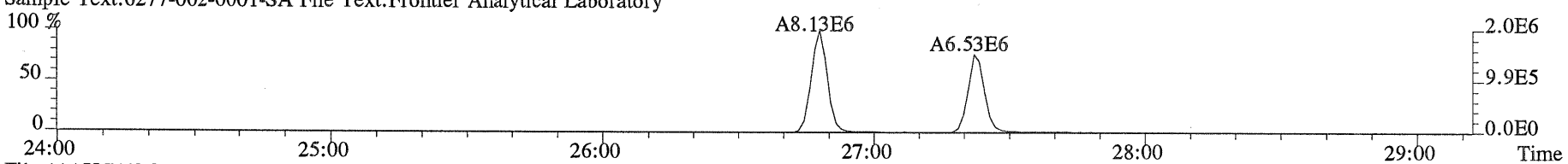
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



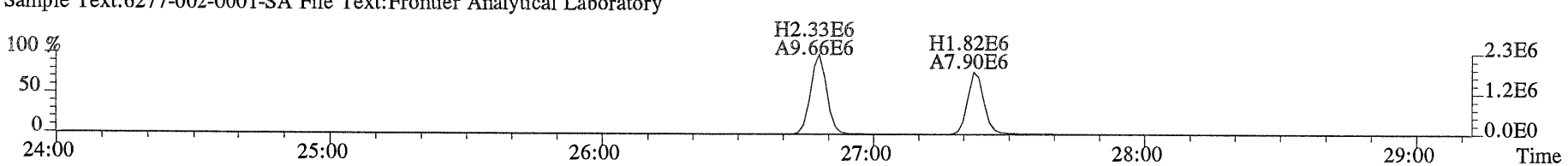
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



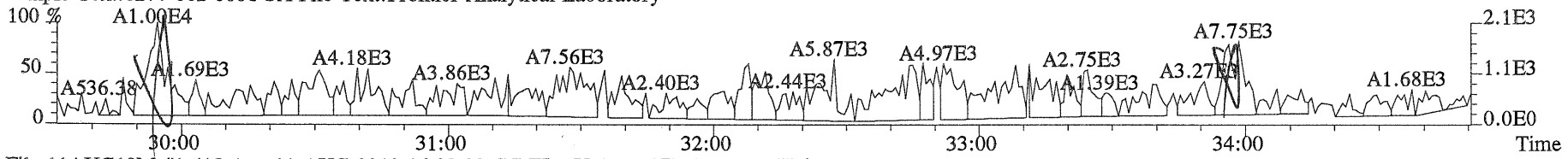
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



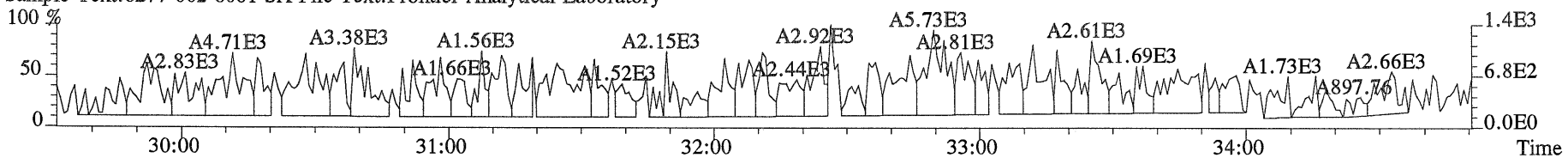
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



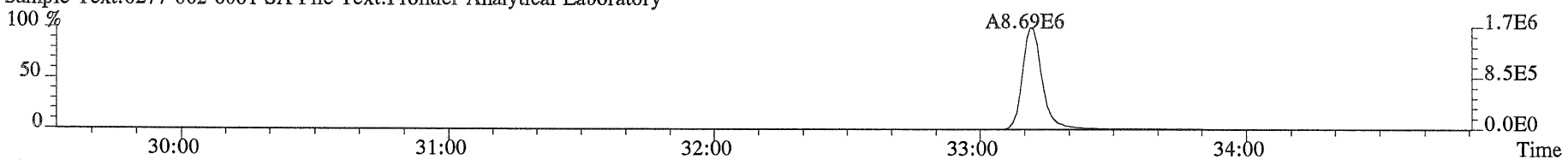
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



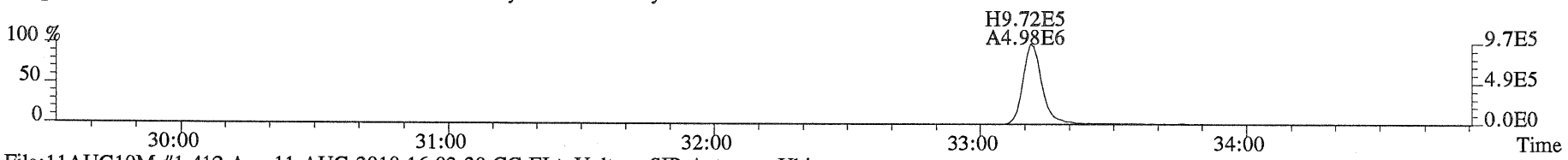
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



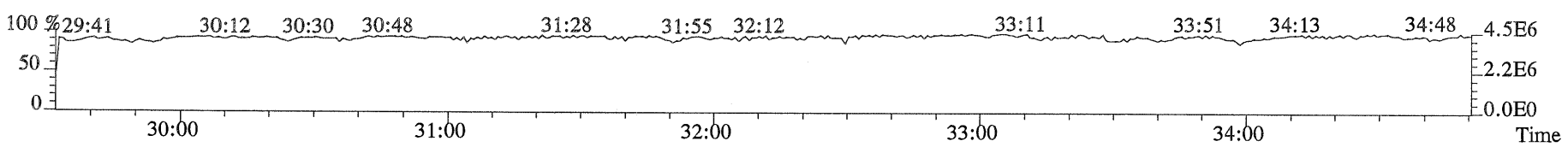
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



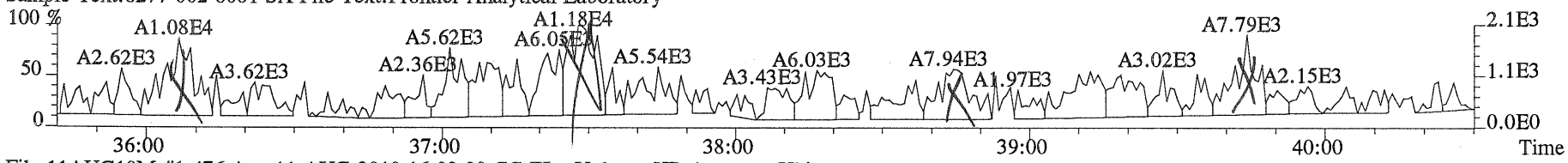
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



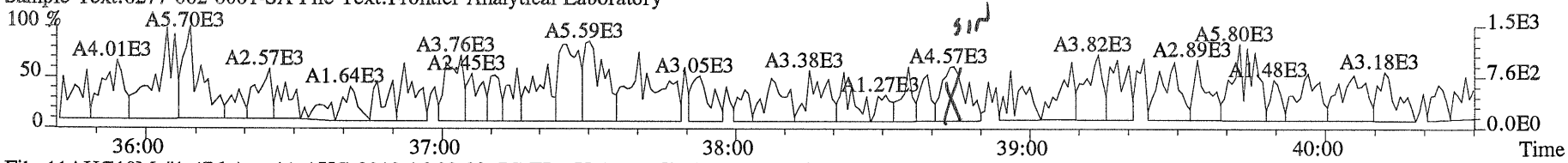
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:8 F:2 Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



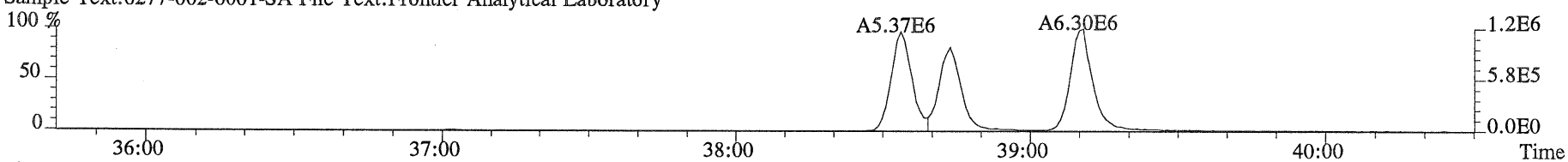
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



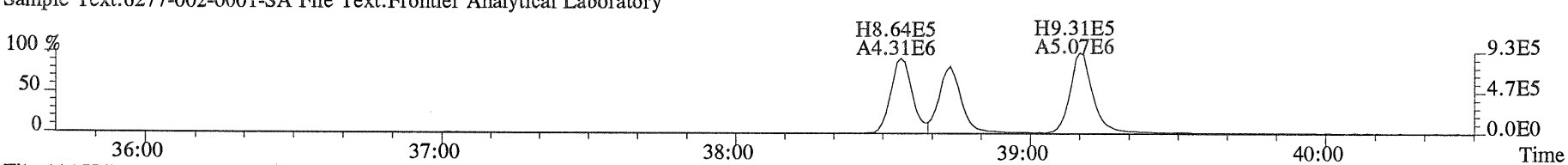
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



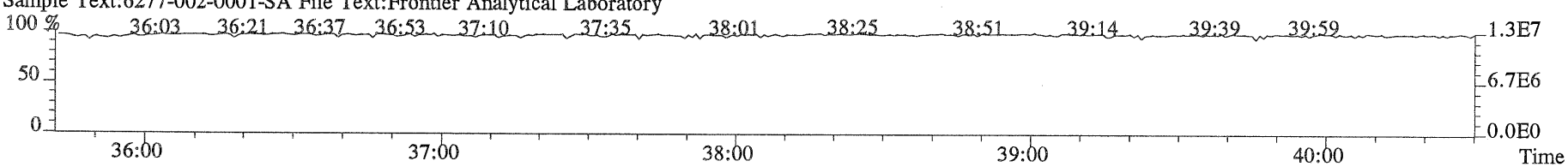
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



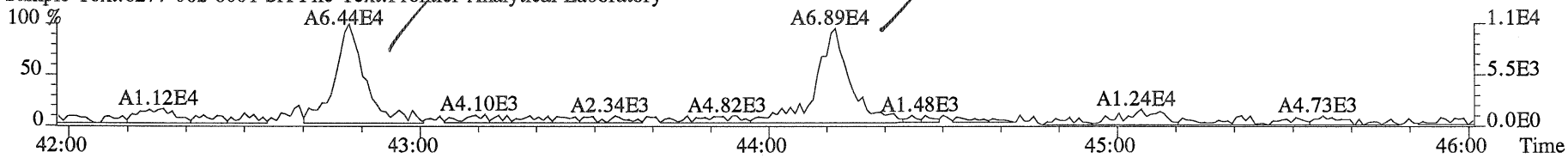
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



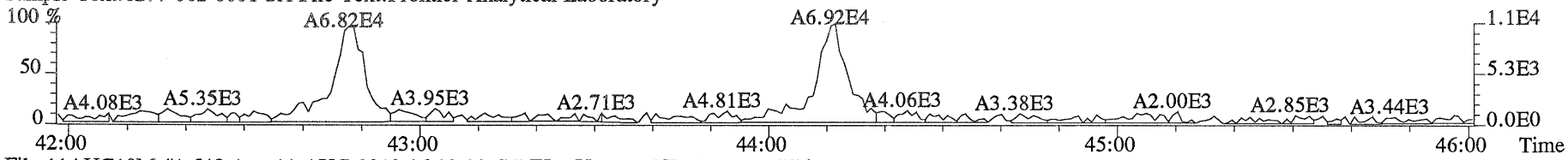
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:8 F:3 Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



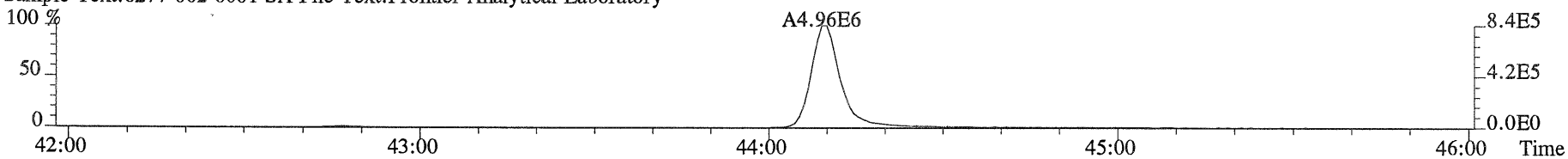
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



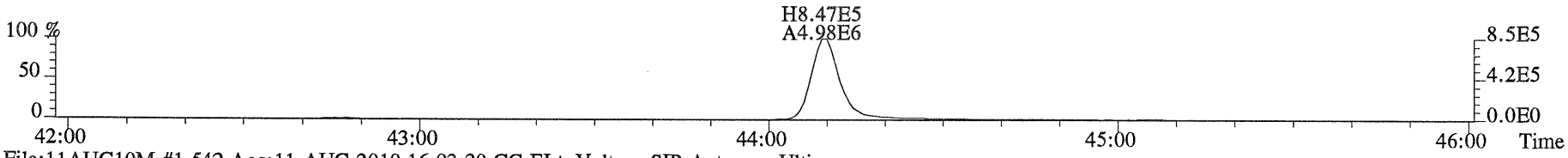
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



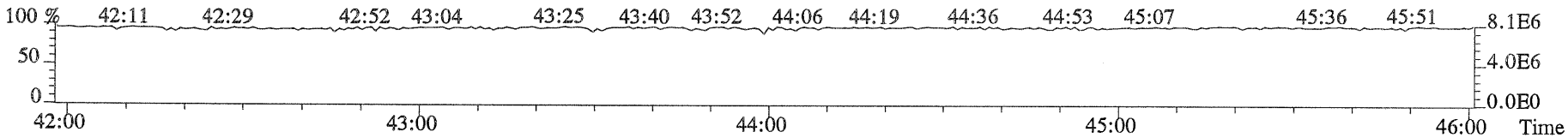
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



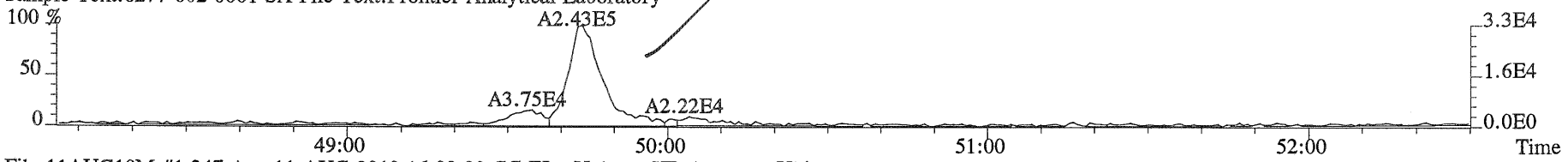
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



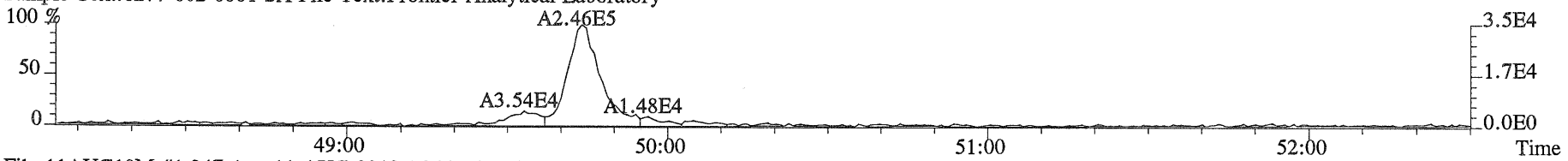
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:8 F:4 Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



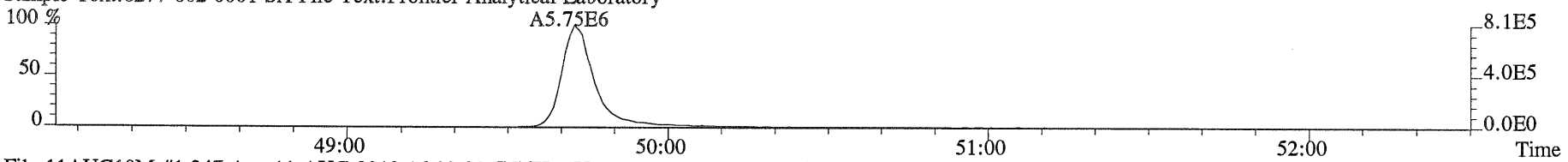
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



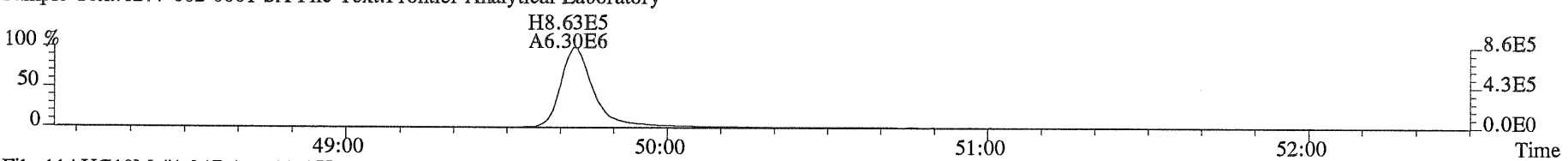
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



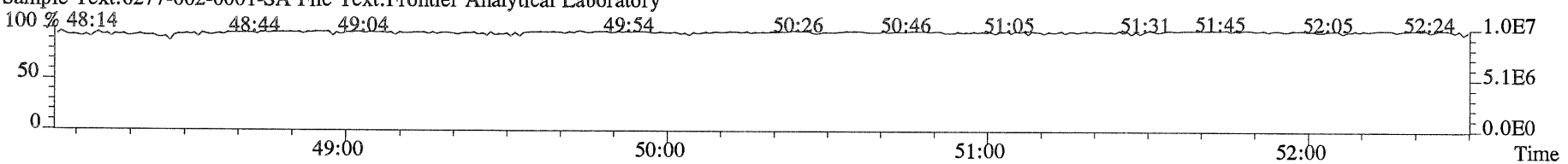
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



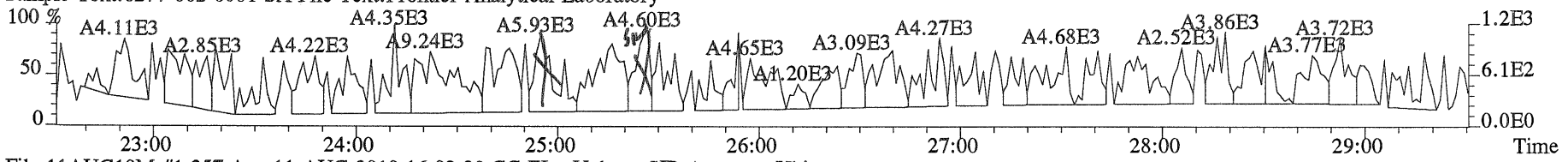
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



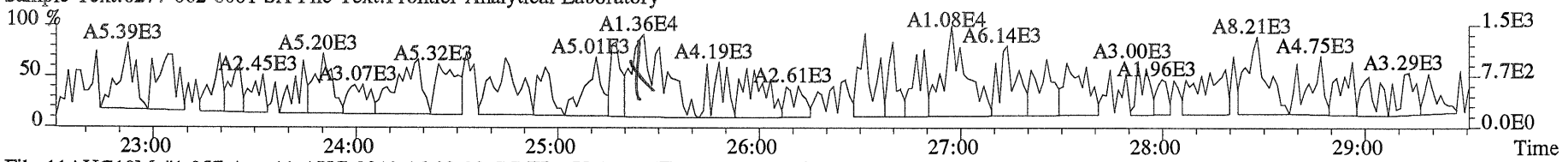
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:8 F:5 Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



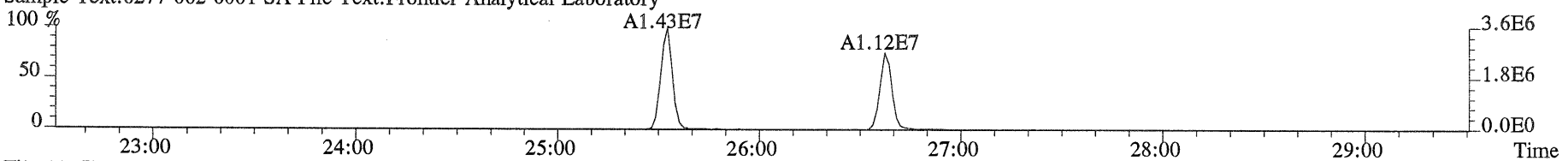
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



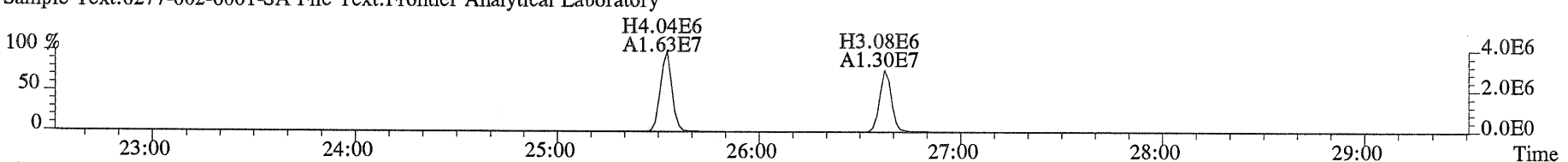
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



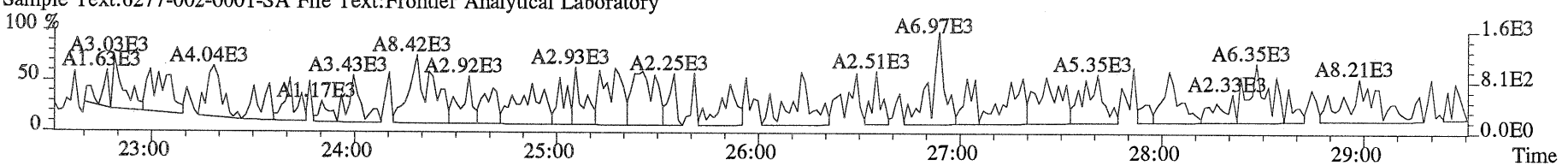
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



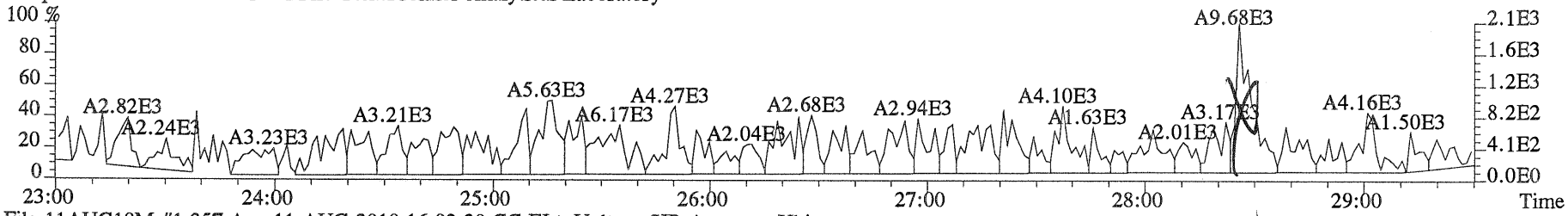
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



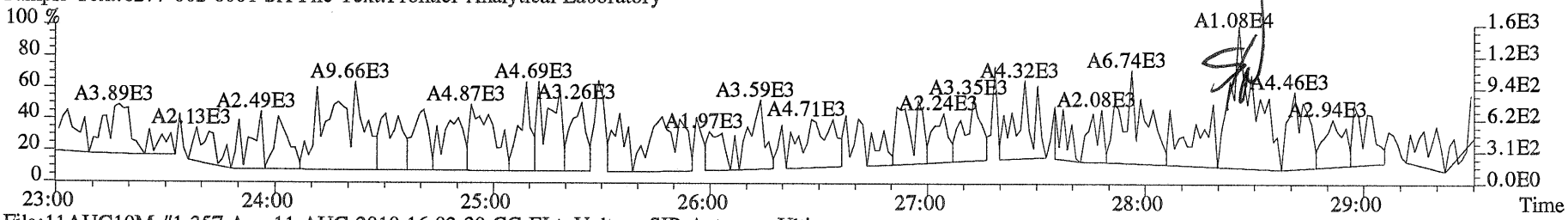
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



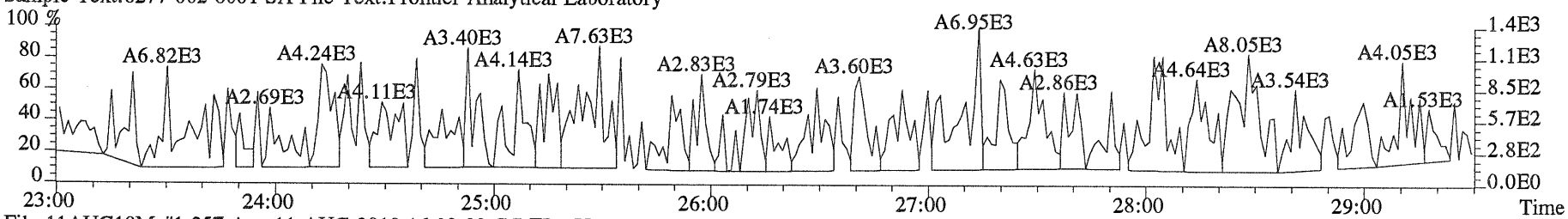
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



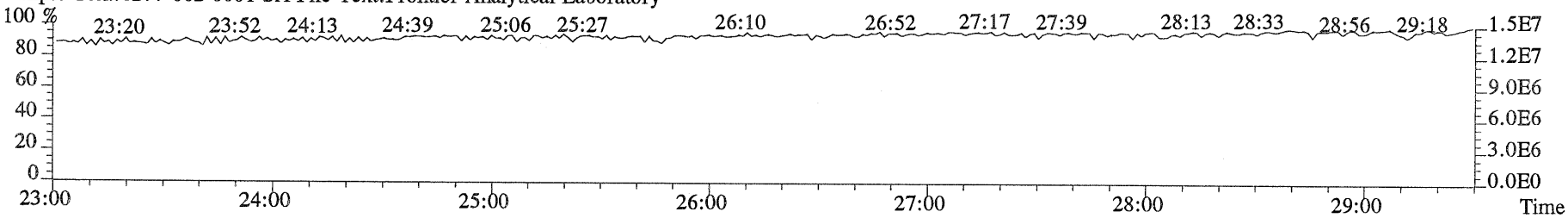
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



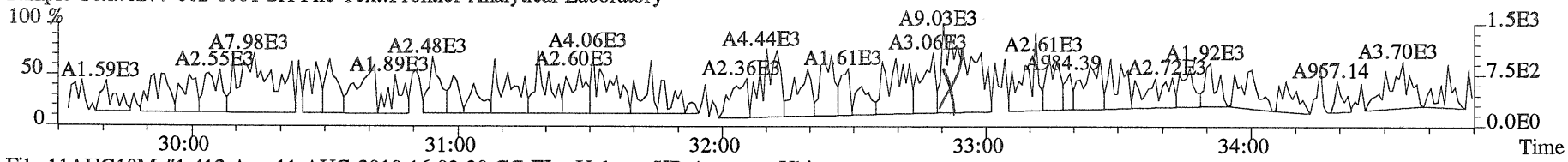
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



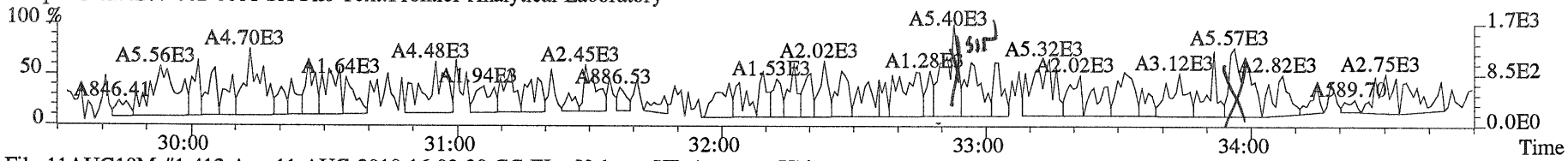
File:11AUG10M #1-357 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:8 Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



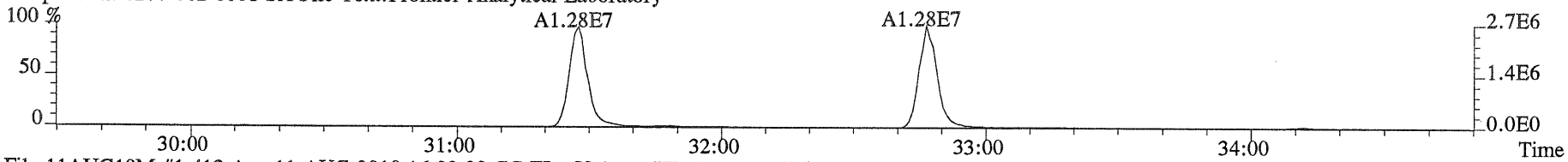
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



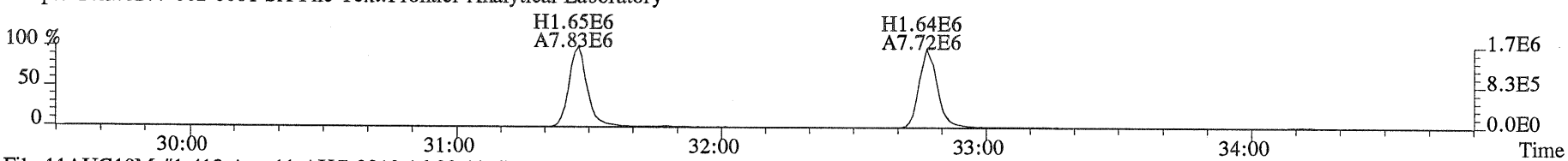
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



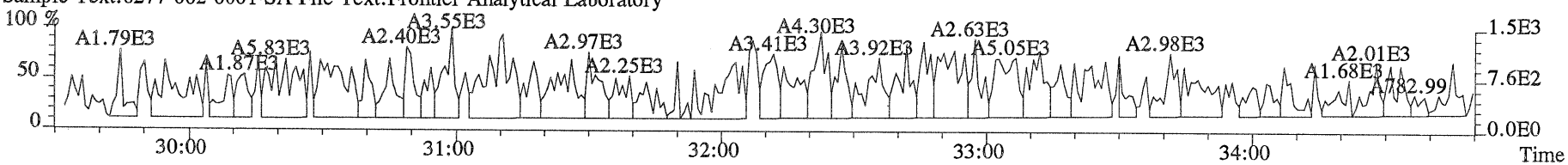
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



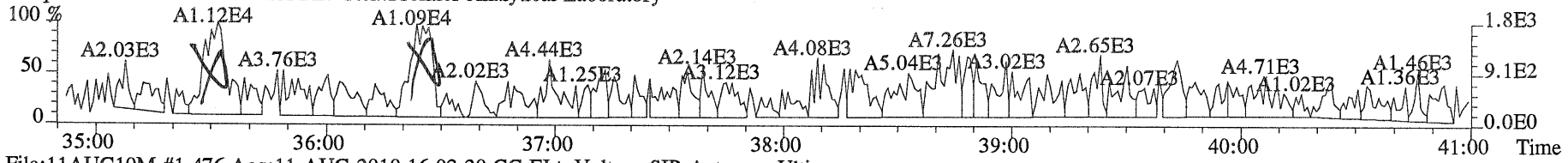
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



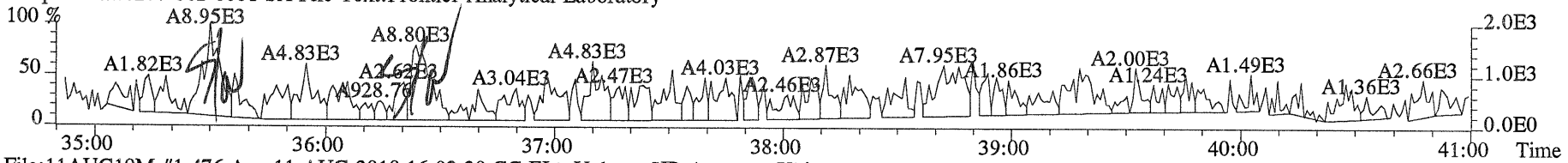
File:11AUG10M #1-412 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



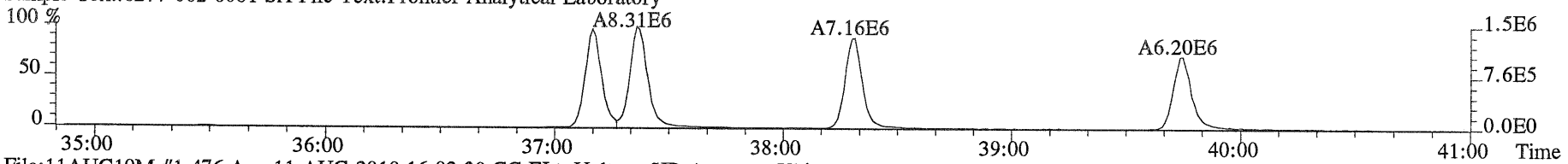
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



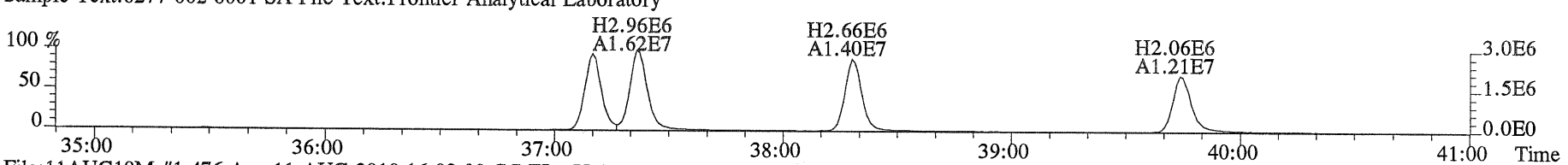
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



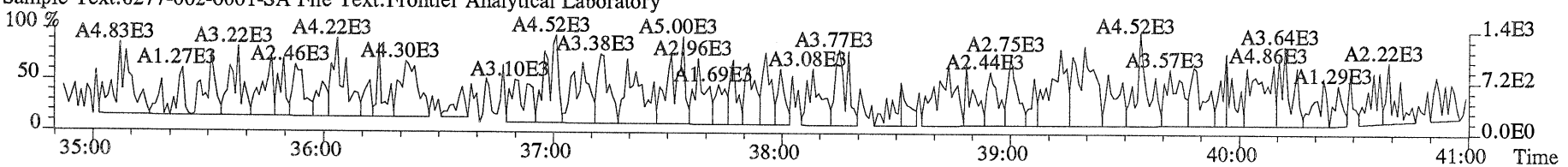
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



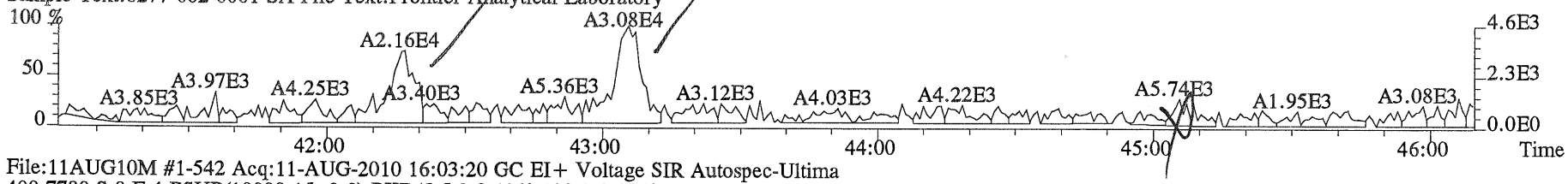
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



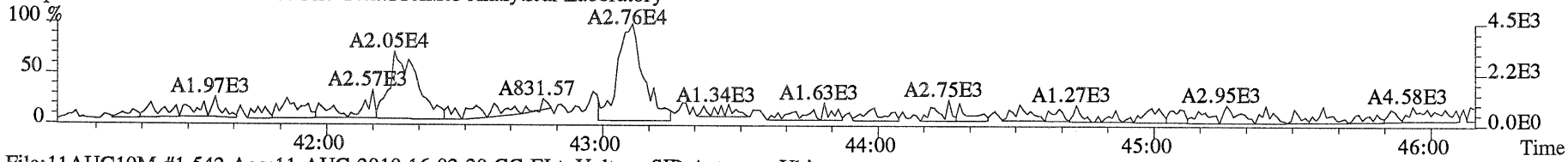
File:11AUG10M #1-476 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



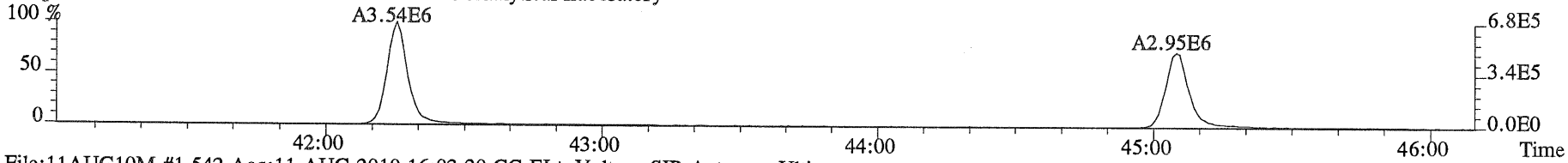
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



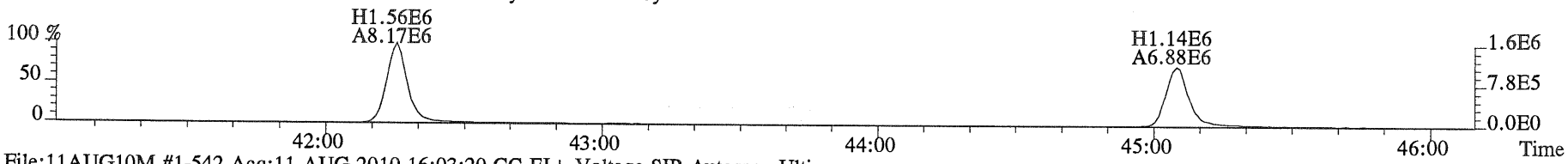
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



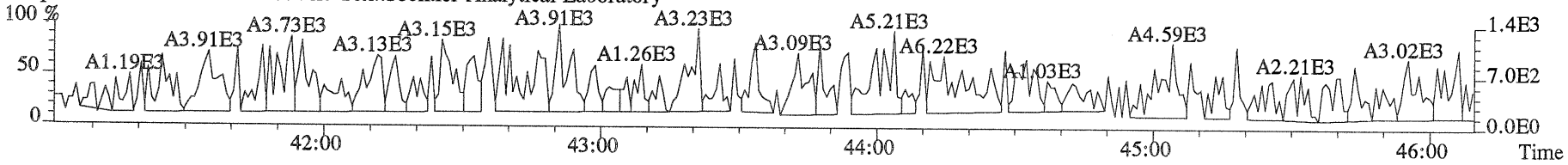
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



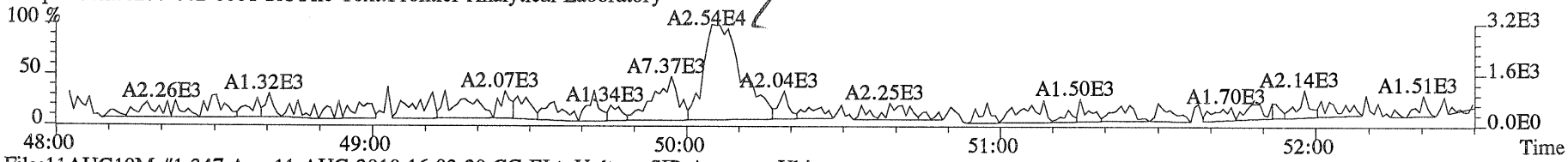
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



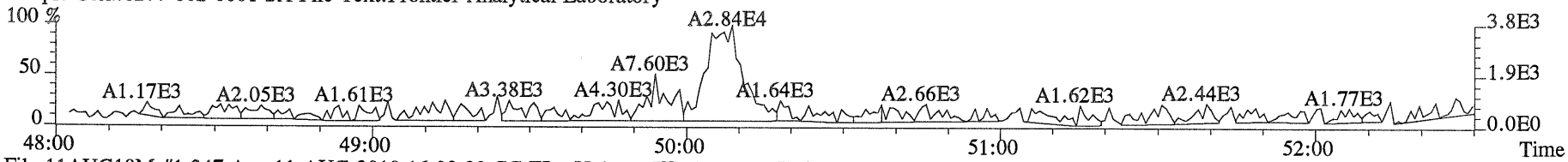
File:11AUG10M #1-542 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



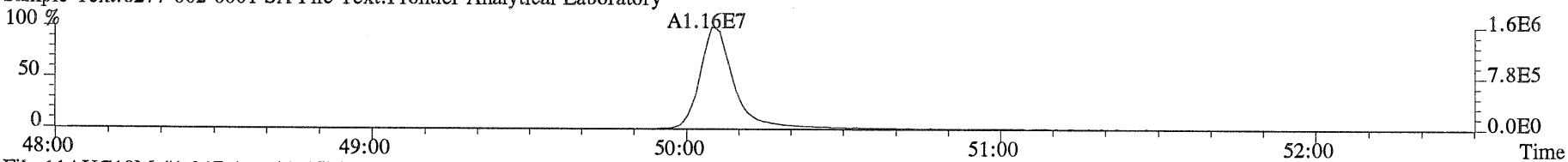
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



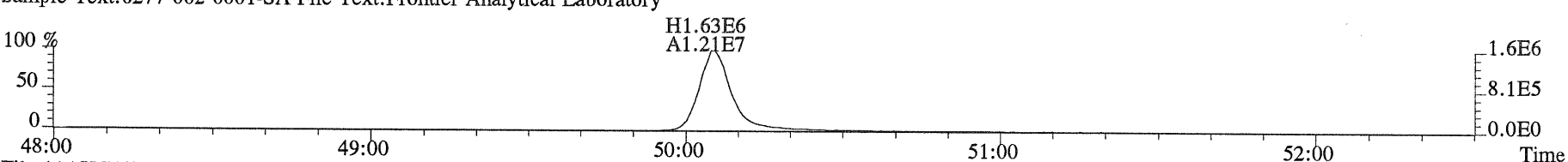
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



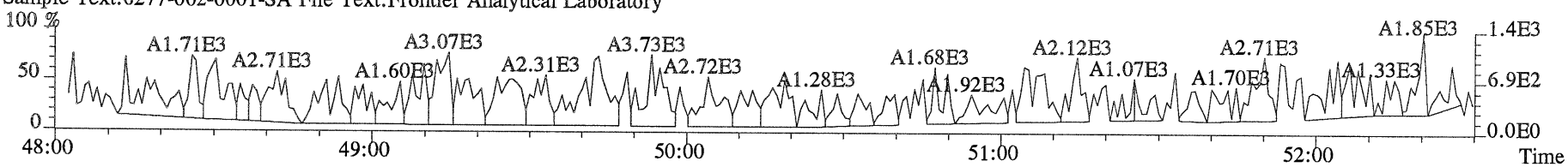
File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 16:03:20 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-002-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6277-003-0001-SA Filename: 11AUG10M Sam:20 Acquired: 12-AUG-10 03:07:36 ICal: PCDDFAL3-5-12-10
Client ID: MW13-0-0.5-080210 ConCal: ST081110M2 EndCal: ST081110M3
Results: 6277 GC Column: DB5 Amount: 2.060 NATO 1989 Tox: 31.6
WHO 1998 Tox: 24.7 WHO 2005 Tox: 26.1

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	2.59e+04	0.70 y	27:24	1.04	2.62		2.50	-	-	*
1,2,3,7,8-PeCDD	2.82e+04	1.50 y	33:13	1.05	2.99	J	2.50	-	-	*
1,2,3,4,7,8-HxCDD	3.59e+04	1.31 y	38:35	1.30	4.62	J	2.50	-	-	*
1,2,3,6,7,8-HxCDD	1.90e+05	1.37 y	38:45	1.28	25.9		2.50	-	-	*
1,2,3,7,8,9-HxCDD	8.80e+04	1.34 y	39:11	1.25	12.0	J	2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	8.67e+06	1.05 y	44:10	1.35	885		2.50	-	-	*
OCDD	4.85e+07	0.99 y	49:44	1.25	8440		2.50	-	-	*
2,3,7,8-TCDF	3.41e+04	0.72 y	26:38	1.62	1.27	J	2.50	-	-	*
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	254	335	0.522
2,3,4,7,8-PeCDF	2.72e+04	1.40 y	32:48	0.94	2.11	J	2.50	-	-	*
1,2,3,4,7,8-HxCDF	1.09e+05	1.31 y	37:12	0.93	7.50	J	2.50	-	-	*
1,2,3,6,7,8-HxCDF	5.72e+04	1.37 y	37:22	0.84	3.78	J	2.50	-	-	*
2,3,4,6,7,8-HxCDF	6.40e+04	1.37 y	38:19	0.90	4.76	J	2.50	-	-	*
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.98	*		2.50	410	461	0.967
1,2,3,4,6,7,8-HpCDF	2.67e+06	1.08 y	42:16	1.38	218		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	1.13e+05	1.08 y	45:05	1.62	8.48	J	2.50	-	-	*
OCDF	6.42e+06	0.85 y	50:07	0.74	899		2.50	-	-	*
										Rec
13C-2,3,7,8-TCDD	9.29e+06	0.83 y	27:23	0.93	935					96.3
13C-1,2,3,7,8-PeCDD	8.75e+06	1.76 y	33:12	0.81	1010					104
13C-1,2,3,4,7,8-HxCDD	5.80e+06	1.20 y	38:33	0.95	795					81.9
13C-1,2,3,6,7,8-HxCDD	5.60e+06	1.21 y	38:43	1.00	729					75.1
13C-1,2,3,4,6,7,8-HpCDD	7.02e+06	1.01 y	44:09	0.92	989					102
13C-OCDD	8.93e+06	0.95 y	49:43	0.63	1830					94.3
13C-2,3,7,8-TCDF	1.62e+07	0.85 y	26:38	0.87	944					97.2
13C-1,2,3,7,8-PeCDF	1.41e+07	1.69 y	31:27	0.81	884					91.0
13C-2,3,4,7,8-PeCDF	1.33e+07	1.65 y	32:46	0.75	895					92.2
13C-1,2,3,4,7,8-HxCDF	1.52e+07	0.53 y	37:10	1.74	1130					117
13C-1,2,3,6,7,8-HxCDF	1.75e+07	0.52 y	37:22	2.17	1050					108
13C-2,3,4,6,7,8-HxCDF	1.46e+07	0.52 y	38:18	1.82	1040					107
13C-1,2,3,7,8,9-HxCDF	1.34e+07	0.54 y	39:44	1.49	1170					120
13C-1,2,3,4,6,7,8-HpCDF	8.58e+06	0.45 y	42:15	1.10	1010					104
13C-1,2,3,4,7,8,9-HpCDF	7.99e+06	0.43 y	45:05	0.81	1270					131
13C-OCDF	1.87e+07	0.99 y	50:05	1.19	2050					106
37Cl-2,3,7,8-TCDD	3.99e+06		27:24	0.93	400					103
13C-1,2,3,4-TCDD	1.04e+07	0.84 y	26:48	-	14.9					
13C-1,2,3,4-TCDF	1.92e+07	0.88 y	25:32	-	17.4					
13C-1,2,3,7,8,9-HxCDD	7.49e+06	1.23 y	39:10	-	16.9					

						Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	9.68e+04		24:23	1.04	9.76	2.50	-	-	*		3
Total Penta-Dioxins	1.96e+05		30:14	1.05	20.8	2.50	-	-	*		6
Total Hexa-Dioxins	1.35e+06		36:07	1.27	181	2.50	-	-	*		7
Total Hepta-Dioxins	1.61e+07		42:48	1.35	1640	2.50	-	-	*		2
Total Tetra-Furans	5.46e+05		23:48	1.62	20.3	2.50	-	-	*		12
1st Fn. Tot Penta-Furans	1.77e+05		28:27	0.93	13.5	2.50	-	-	*	PeCDF	1
Total Penta-Furans	2.55e+05		30:04	0.93	19.5	2.50	-	-	*	33.0	6
Total Hexa-Furans	2.28e+06		35:14	0.90	161	2.50	-	-	*		7
Total Hepta-Furans	9.26e+06		42:16	1.48	739	2.50	-	-	*		4

Analyst: _____ Date: 8/12/10

Totals class: Total Tetra-Dioxins Entry #: 38

Run: 23 File: 11AUG10M S: 20 I: 1 F: 1
Acquired: 12-AUG-10 03:07:36

Total Concentration: 9.76 Unnamed Concentration: 7.146

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:23	2.02e+04	2.37e+04	0.85 y	4.39e+04	4.42	
24:41	1.16e+04	1.54e+04	0.76 y	2.70e+04	2.72	
27:24	1.07e+04	1.52e+04	0.70 y	2.59e+04	2.62	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins Entry #: 39

Run: 23 File: 11AUG10M S: 20 I: 1 F: 2
Acquired: 12-AUG-10 03:07:36

Total Concentration: 20.8 Unnamed Concentration: 17.814

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:14	3.44e+04	2.00e+04	1.72 y	5.45e+04	5.77	
31:27	1.73e+04	1.02e+04	1.70 y	2.75e+04	2.91	
31:40	1.80e+04	1.16e+04	1.55 y	2.95e+04	3.13	
31:49	1.68e+04	1.17e+04	1.44 y	2.85e+04	3.02	
32:08	1.61e+04	1.20e+04	1.34 y	2.82e+04	2.98	
33:13	1.69e+04	1.13e+04	1.50 y	2.82e+04	2.99	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins Entry #: 40

Run: 23 File: 11AUG10M S: 20 I: 1 F: 3
Acquired: 12-AUG-10 03:07:36

Total Concentration: 181 Unnamed Concentration: 138.298

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
36:07	1.84e+05	1.32e+05	1.39	y	3.16e+05	42.3	
37:02	5.32e+04	3.95e+04	1.35	y	9.27e+04	12.4	
37:28	3.55e+05	2.51e+05	1.42	y	6.05e+05	80.9	
38:35	2.04e+04	1.55e+04	1.31	y	3.59e+04	4.62	1,2,3,4,7,8-HxCDD
38:45	1.10e+05	8.03e+04	1.37	y	1.90e+05	25.9	1,2,3,6,7,8-HxCDD
39:01	1.11e+04	9.49e+03	1.17	y	2.06e+04	2.75	
39:11	5.04e+04	3.76e+04	1.34	y	8.80e+04	12.0	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 23 File: 11AUG10M S: 20 I: 1 F: 4
Acquired: 12-AUG-10 03:07:36

Total Concentration: 1640 Unnamed Concentration: 756.393

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	3.75e+06	3.65e+06	1.03 y	7.41e+06	756	
44:10	4.44e+06	4.23e+06	1.05 y	8.67e+06	885	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans Entry #: 42

Run: 23 File: 11AUG10M S: 20 I: 1 F: 1
Acquired: 12-AUG-10 03:07:36

Total Concentration: 20.3 Unnamed Concentration: 19.006

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
23:48	3.43e+04	4.81e+04	0.71	y	8.24e+04	3.06	
24:12	2.12e+04	3.10e+04	0.68	y	5.22e+04	1.94	
24:25	2.11e+04	3.08e+04	0.68	y	5.19e+04	1.92	
24:44	1.86e+04	2.69e+04	0.69	y	4.55e+04	1.69	
25:21	1.68e+04	1.99e+04	0.84	y	3.67e+04	1.36	
25:27	2.15e+04	2.95e+04	0.73	y	5.10e+04	1.89	
25:34	1.38e+04	1.98e+04	0.70	y	3.36e+04	1.25	
25:55	1.38e+04	1.89e+04	0.73	y	3.27e+04	1.21	
26:38	1.43e+04	1.98e+04	0.72	y	3.41e+04	1.27	2,3,7,8-TCDF
26:58	1.91e+04	2.62e+04	0.73	y	4.54e+04	1.68	
27:52	1.95e+04	2.62e+04	0.74	y	4.57e+04	1.70	
28:04	1.40e+04	2.11e+04	0.66	y	3.51e+04	1.30	

Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 23 File: 11AUG10M S: 20 I: 1 F: 1
Acquired: 12-AUG-10 03:07:36

Total Concentration: 13.5 Unnamed Concentration: 13.516

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:27	1.10e+05	6.70e+04	1.64 y	1.77e+05	13.5	

Totals class: Total Penta-Furans Entry #: 44

Run: 23 File: 11AUG10M S: 20 I: 1 F: 2
Acquired: 12-AUG-10 03:07:36

Total Concentration: 19.5 Unnamed Concentration: 17.385

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:04	1.53e+04	8.89e+03	1.72 y	2.42e+04	1.85	
30:13	6.46e+04	4.24e+04	1.52 y	1.07e+05	8.17	
30:55	2.66e+04	1.70e+04	1.56 y	4.36e+04	3.33	
31:45	2.16e+04	1.36e+04	1.58 y	3.52e+04	2.69	
32:48	1.59e+04	1.13e+04	1.40 y	2.72e+04	2.11	2,3,4,7,8-PeCDF
32:51	1.11e+04	6.56e+03	1.69 y	1.76e+04	1.35	

Totals class: Total Hexa-Furans Entry #: 45

Run: 23 File: 11AUG10M S: 20 I: 1 F: 3
Acquired: 12-AUG-10 03:07:36

Total Concentration: 161 Unnamed Concentration: 145.199

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	9.31e+04	7.84e+04	1.19 y	1.72e+05	12.1	
35:31	3.41e+05	2.78e+05	1.23 y	6.18e+05	43.8	
36:25	6.77e+05	5.45e+05	1.24 y	1.22e+06	86.5	
37:12	6.19e+04	4.74e+04	1.31 y	1.09e+05	7.50	1,2,3,4,7,8-HxCDF
37:22	3.30e+04	2.41e+04	1.37 y	5.72e+04	3.78	1,2,3,6,7,8-HxCDF
38:05	2.19e+04	1.75e+04	1.25 y	3.94e+04	2.79	
38:19	3.70e+04	2.70e+04	1.37 y	6.40e+04	4.76	2,3,4,6,7,8-HxCDF

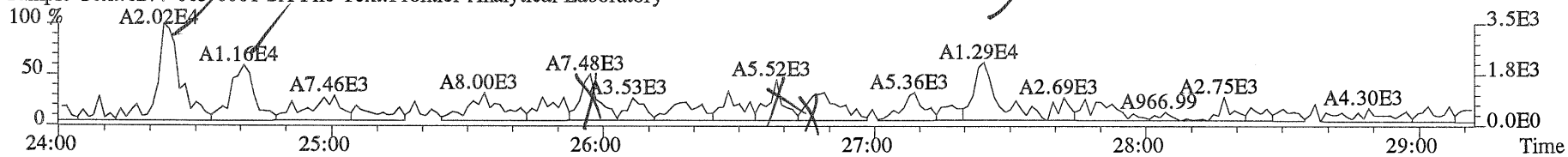
Totals class: Total Hepta-Furans Entry #: 46

Run: 23 File: 11AUG10M S: 20 I: 1 F: 4
Acquired: 12-AUG-10 03:07:36

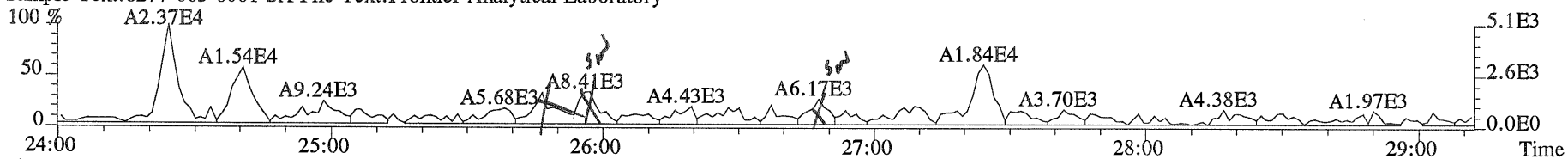
Total Concentration: 739 Unnamed Concentration: 511.682

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
42:16	1.38e+06	1.28e+06	1.08	y	2.67e+06	218	1,2,3,4,6,7,8-HpCDF
42:48	2.68e+04	2.54e+04	1.05	y	5.22e+04	4.12	
43:05	3.35e+06	3.08e+06	1.09	y	6.43e+06	508	
45:05	5.90e+04	5.44e+04	1.08	y	1.13e+05	8.48	1,2,3,4,7,8,9-HpCDF

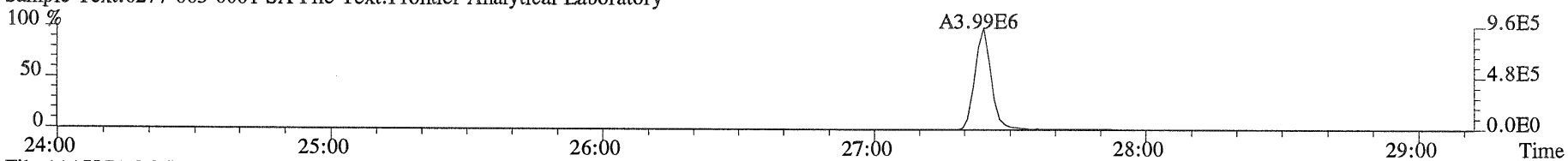
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



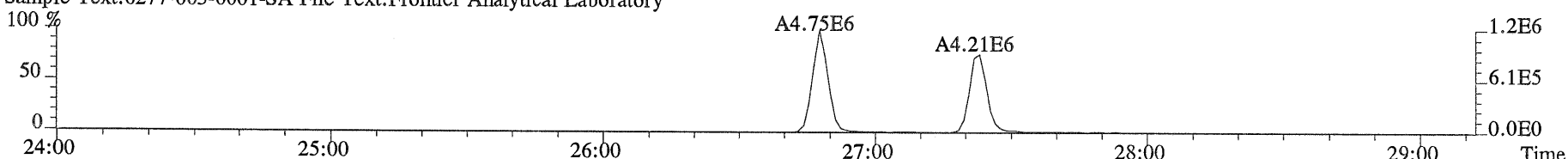
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



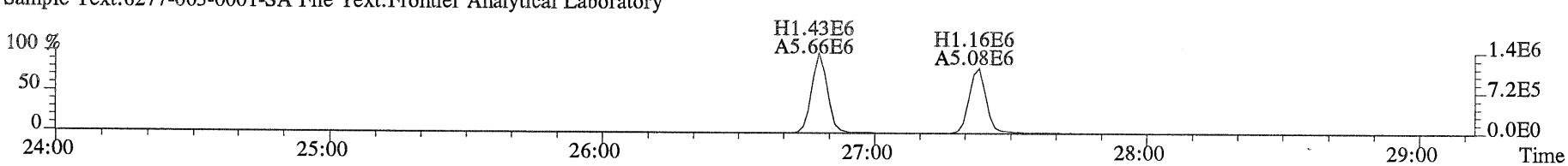
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



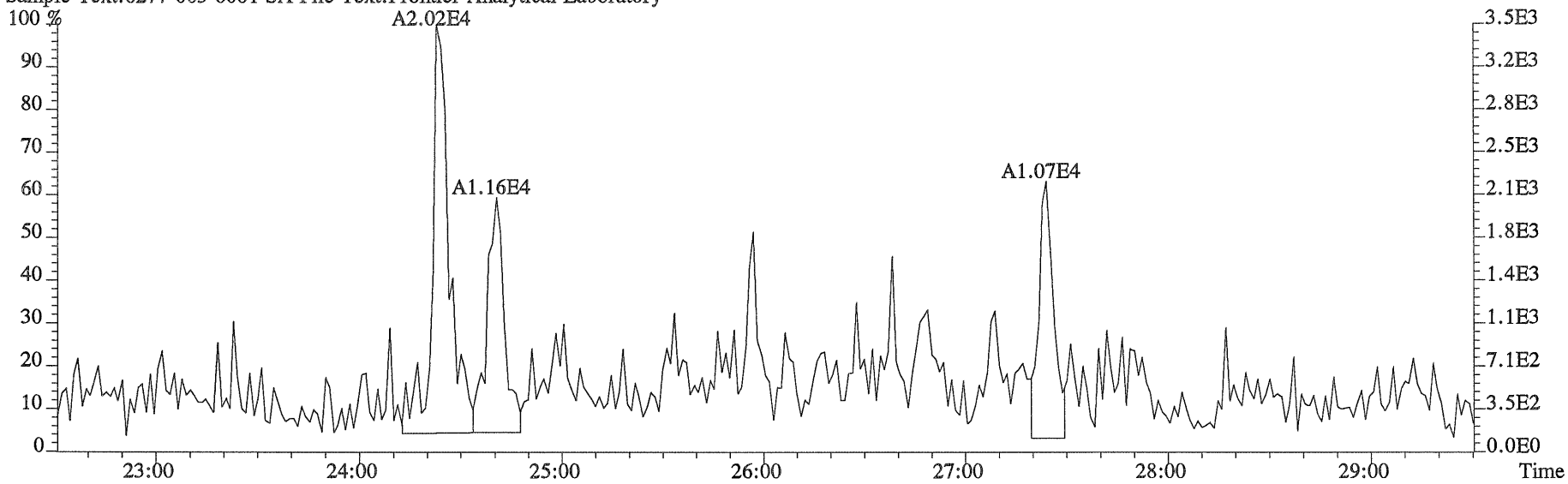
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



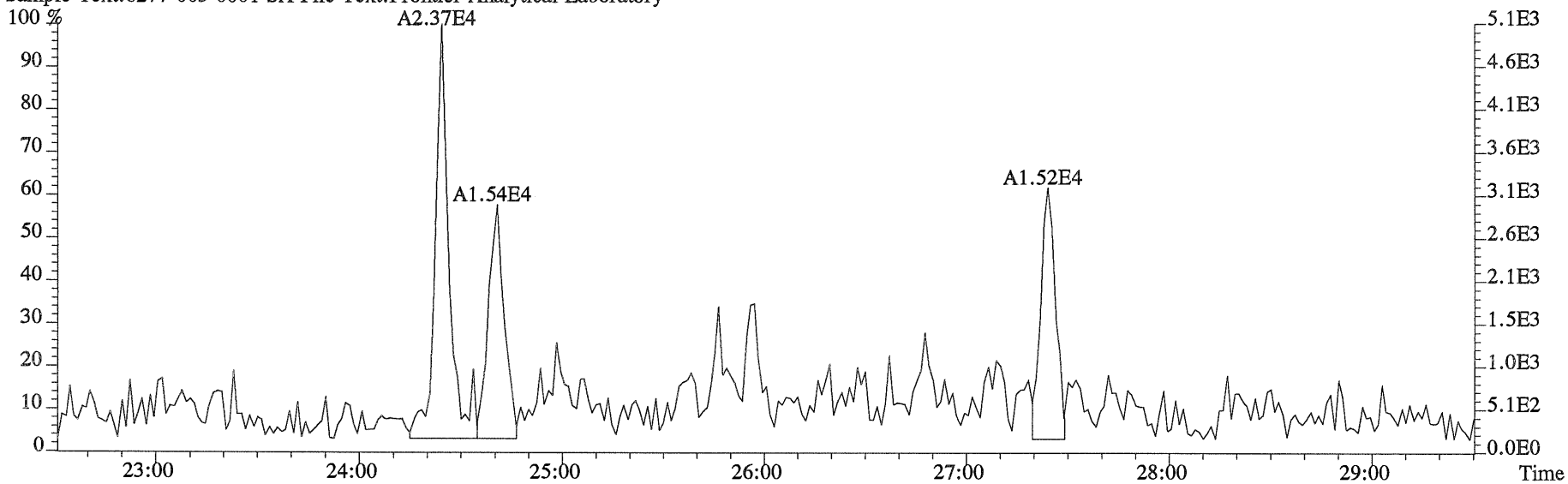
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



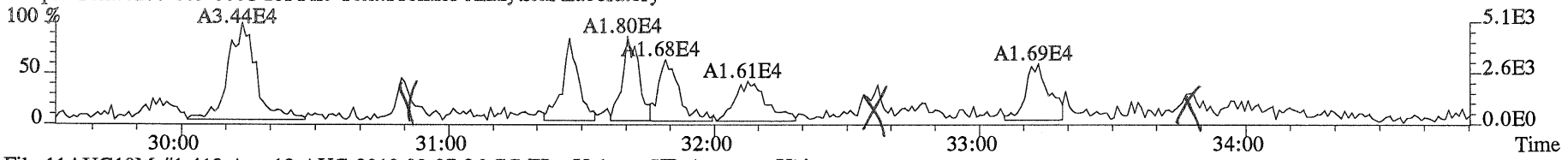
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



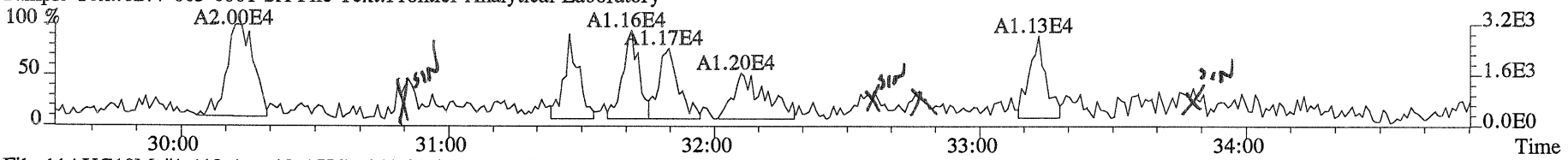
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



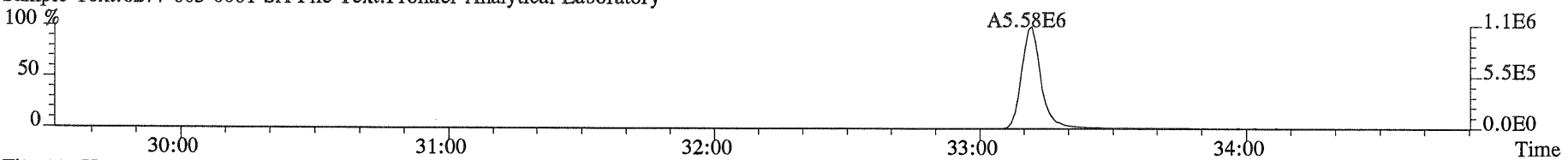
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



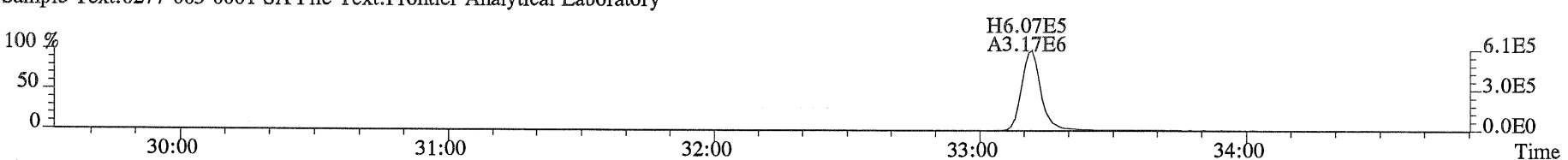
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



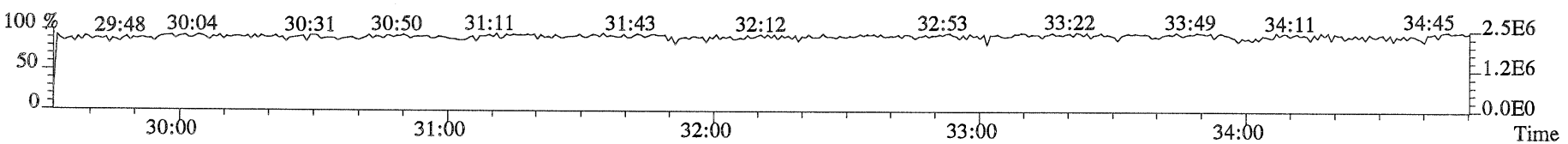
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



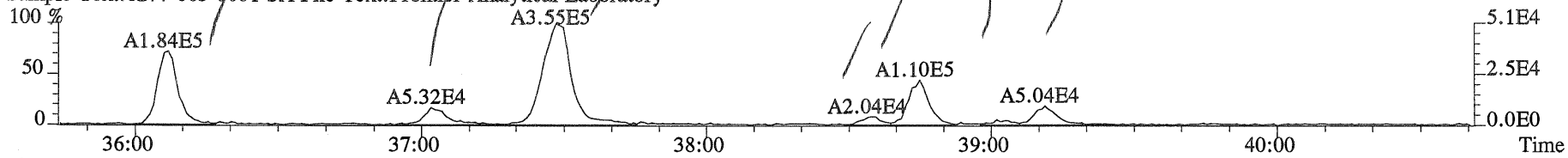
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



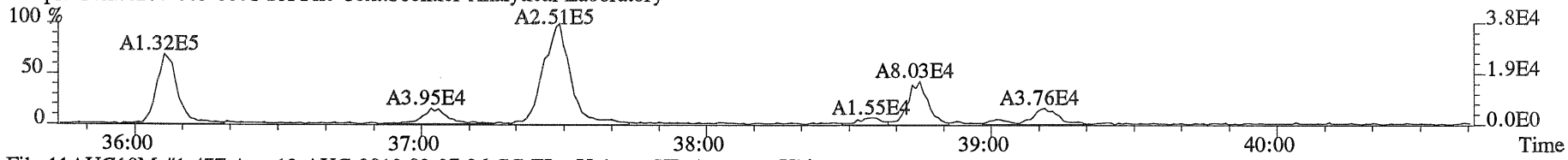
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:20 F:2 Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



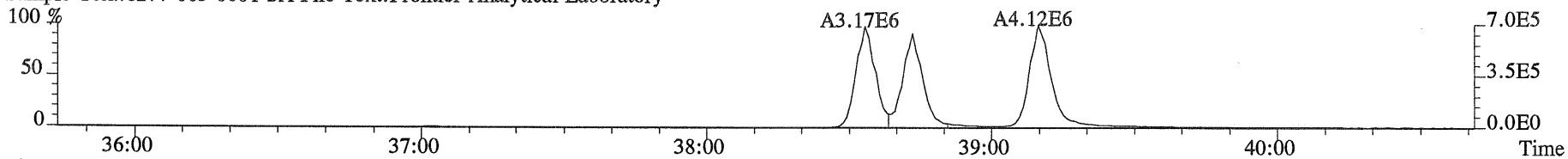
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



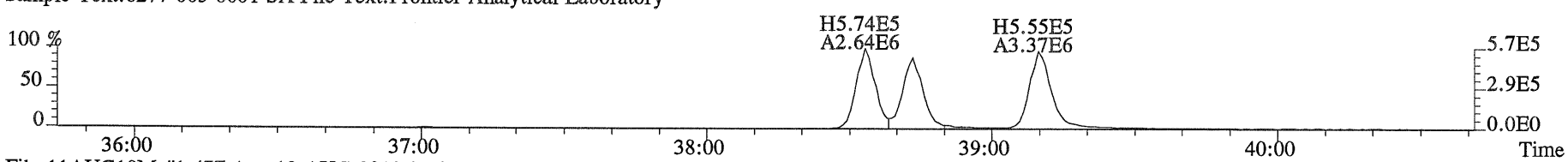
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



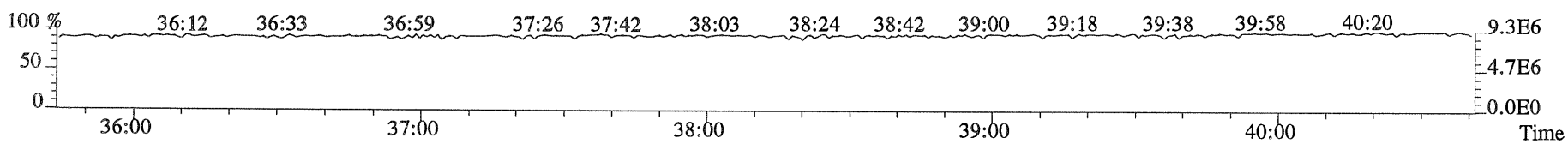
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



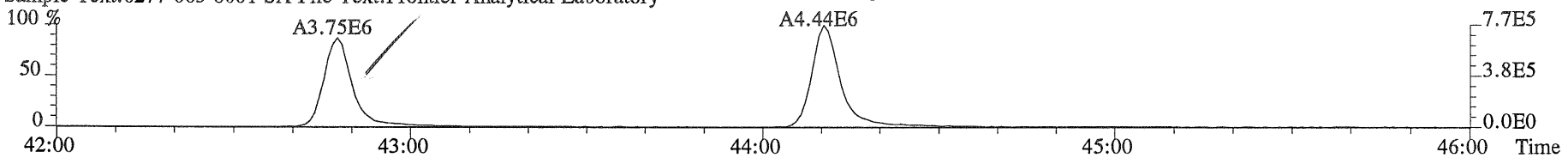
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



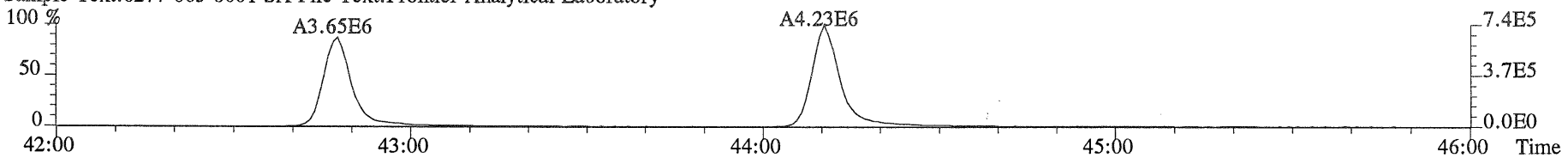
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:20 F:3 Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



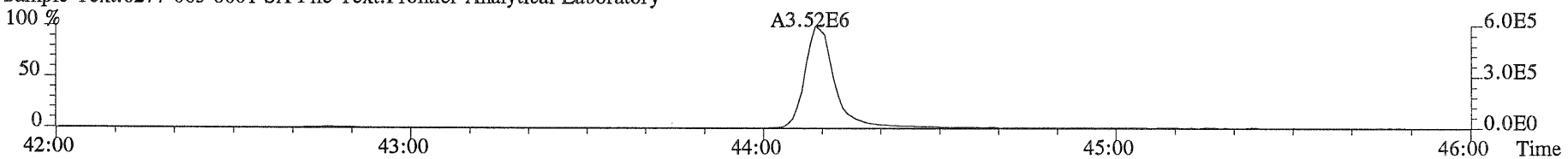
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



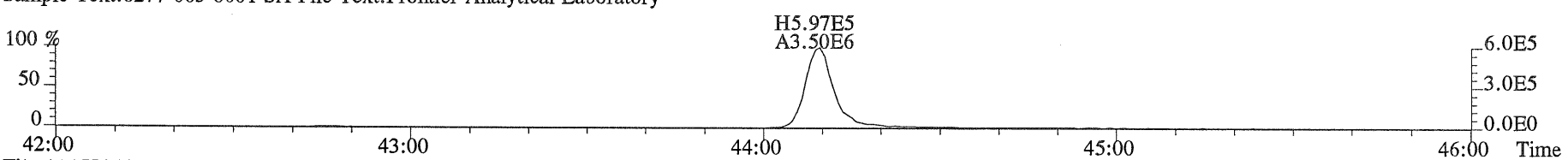
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



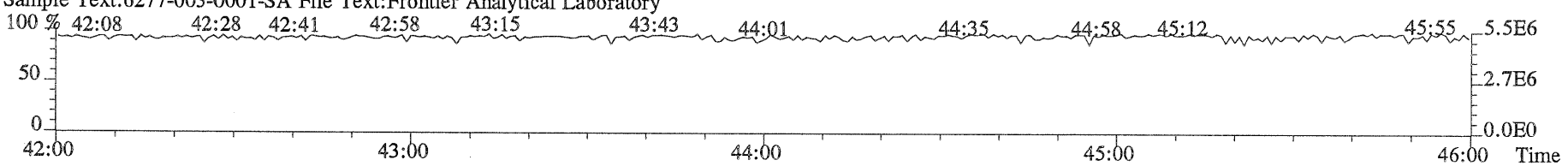
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



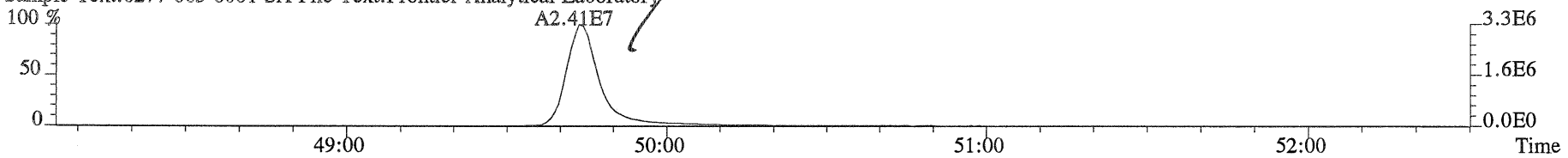
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



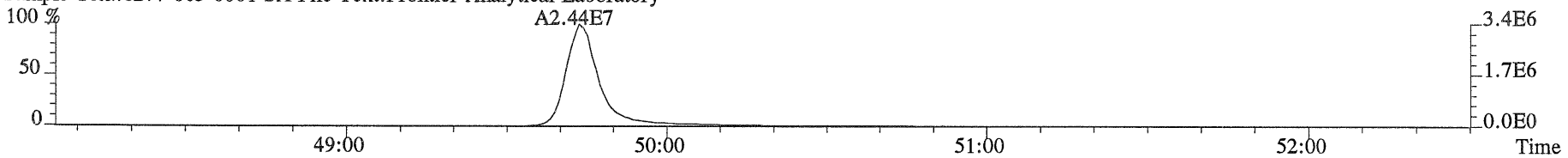
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:20 F:4 Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



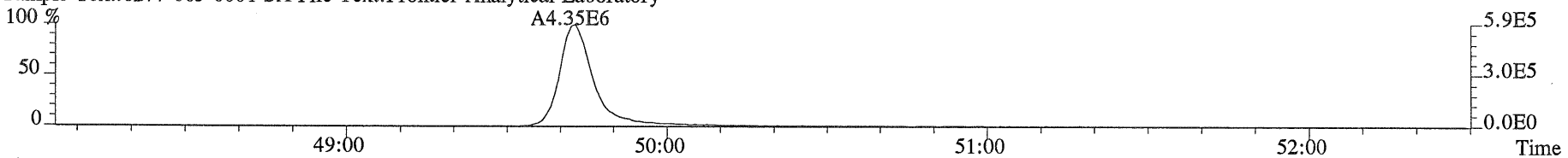
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



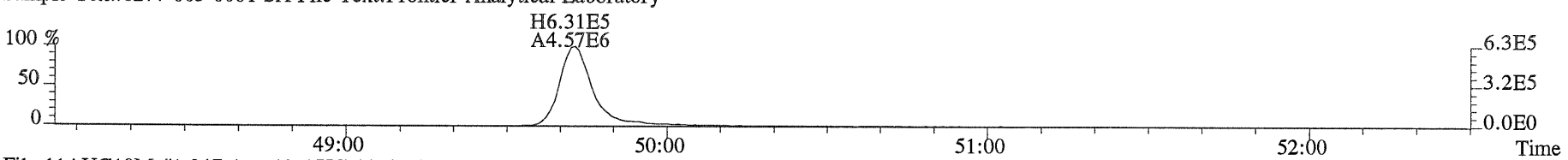
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



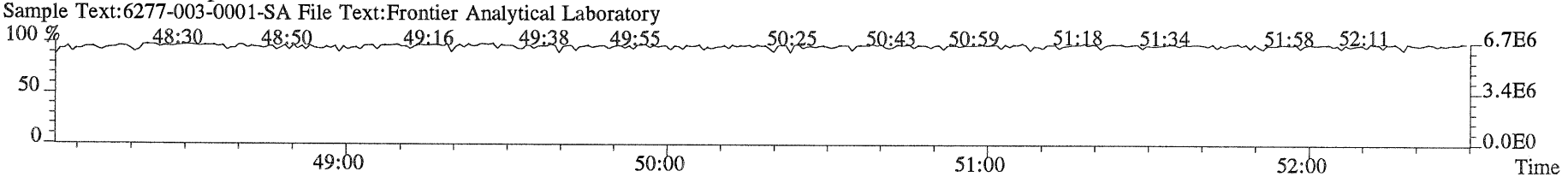
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



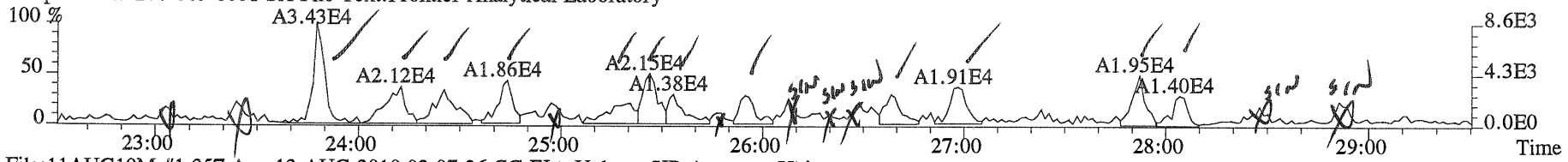
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



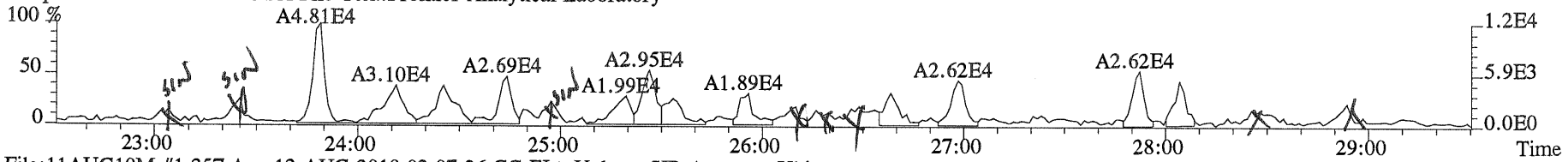
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:20 F:5 Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



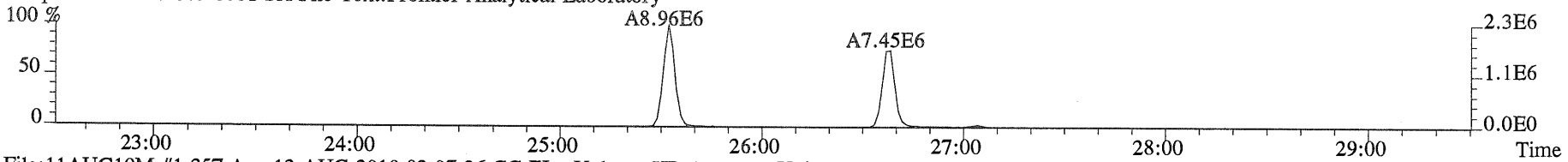
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:20 BSUB(10000,15,-3.0) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



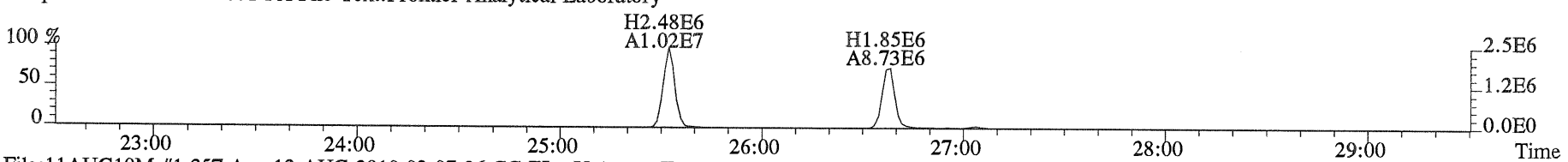
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:20 BSUB(10000,15,-3.0) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



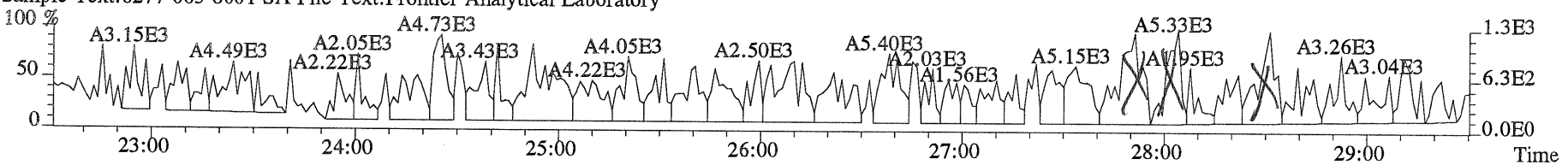
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



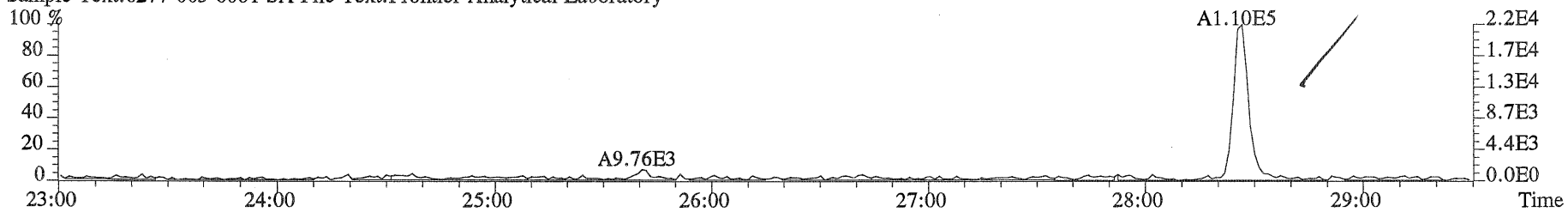
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



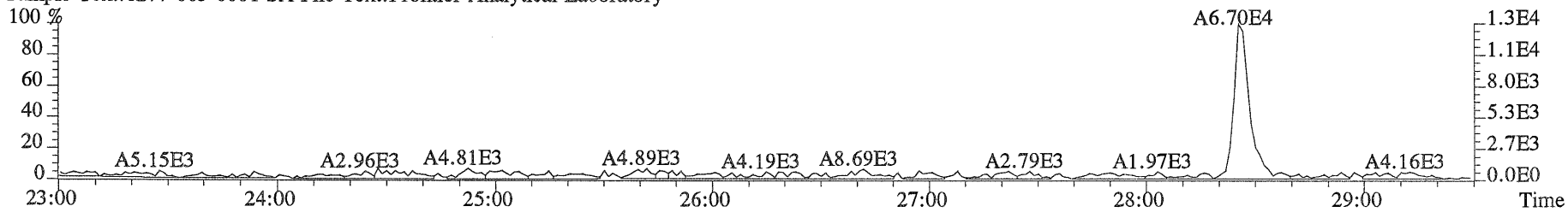
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



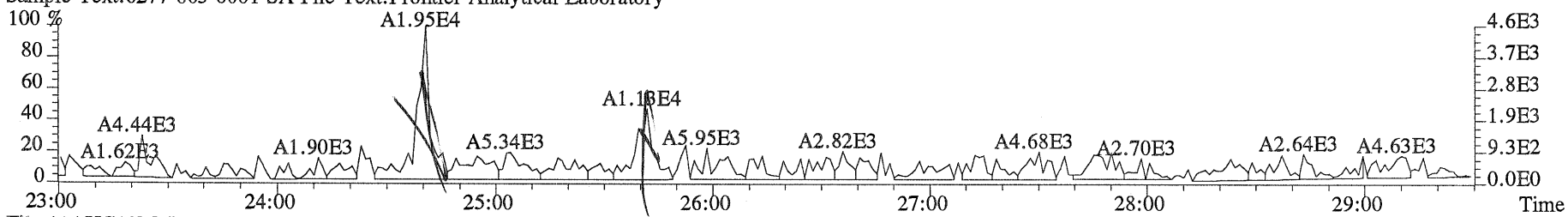
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



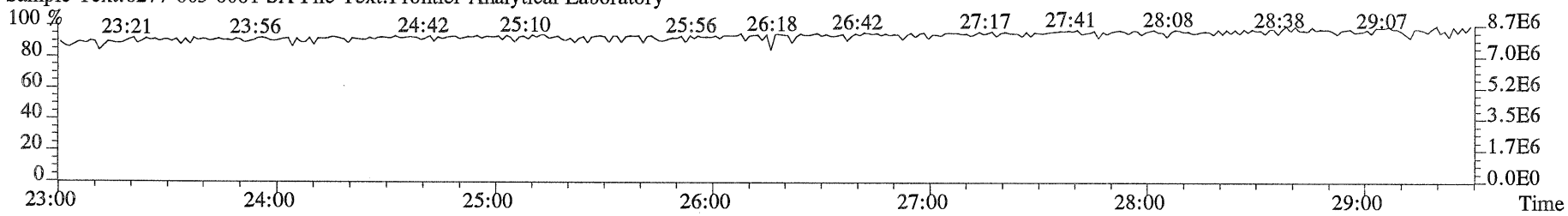
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



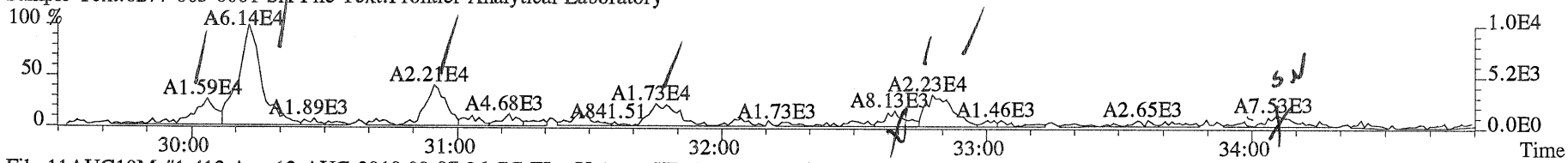
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:20 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



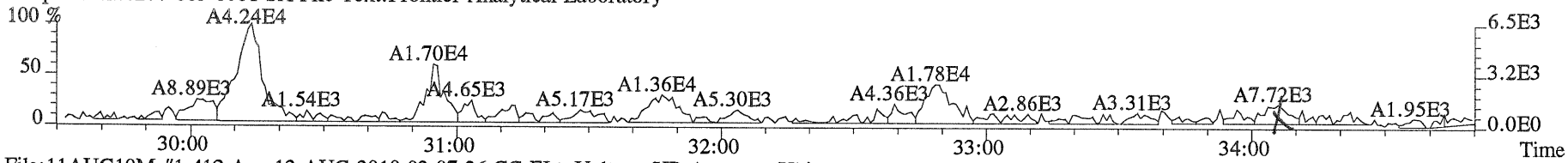
File:11AUG10M #1-357 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:20 Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



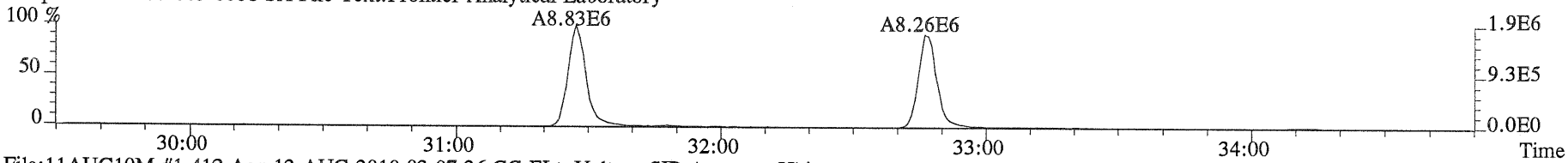
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



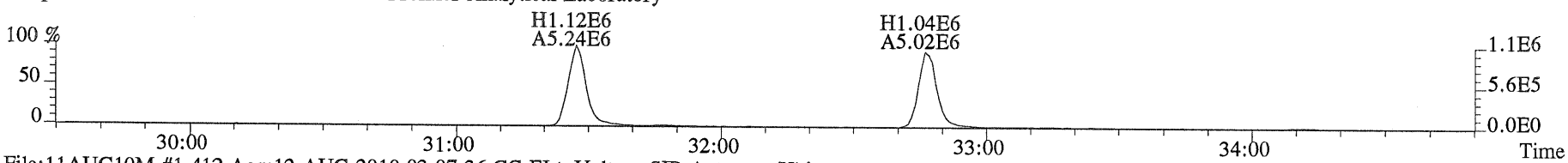
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



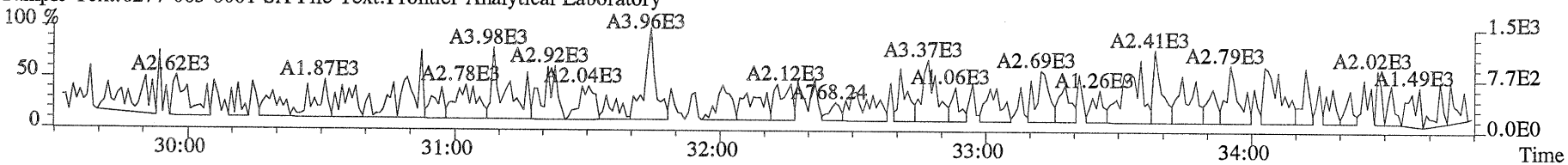
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



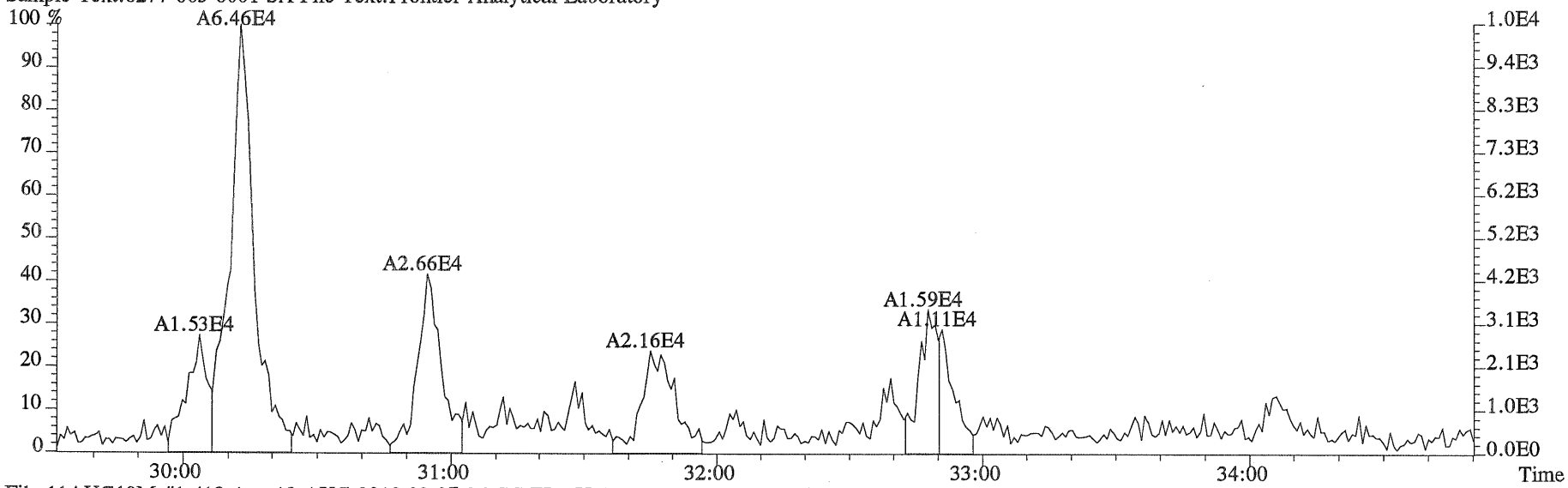
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



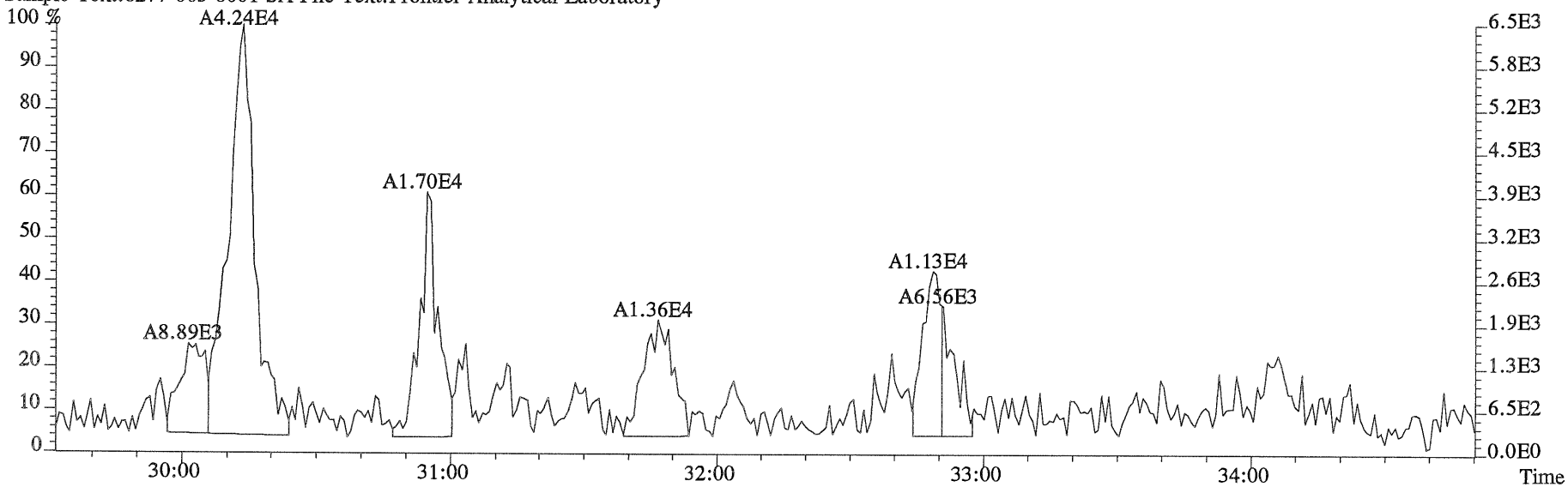
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:20 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



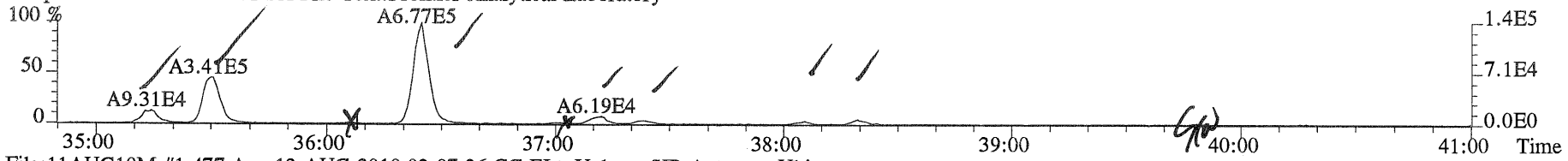
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:20 F:2 BSUB(10000,15,-3.0) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



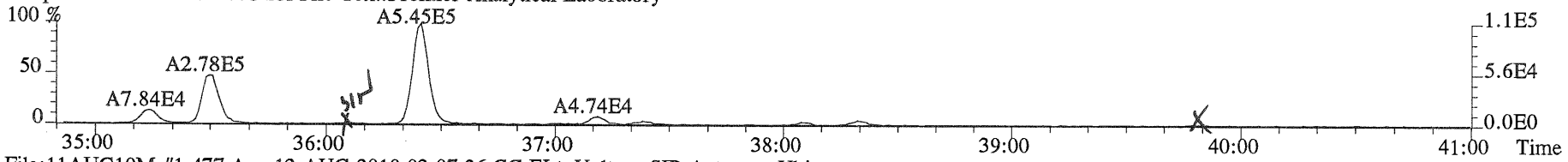
File:11AUG10M #1-412 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:20 F:2 BSUB(10000,15,-3.0) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



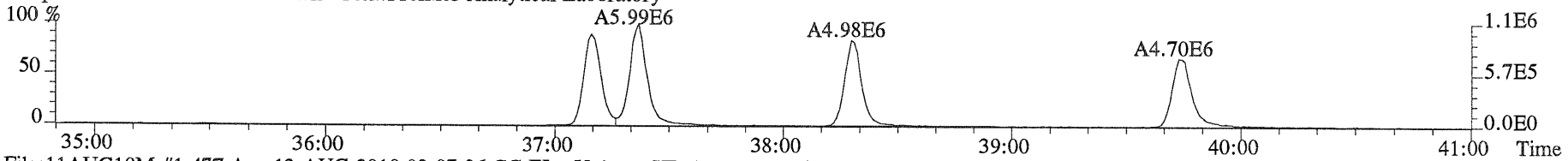
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



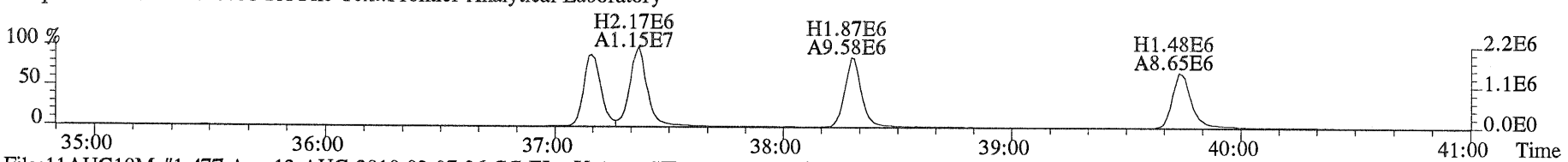
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



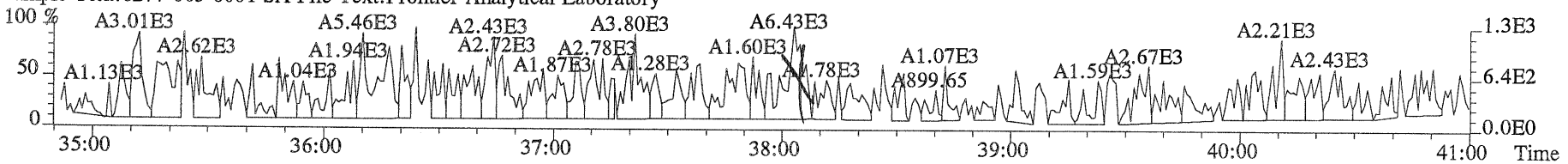
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



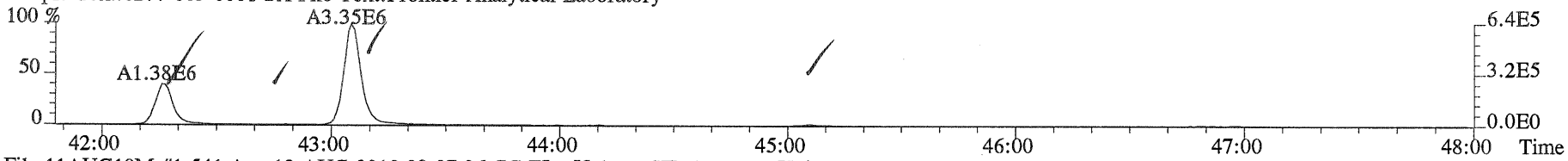
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



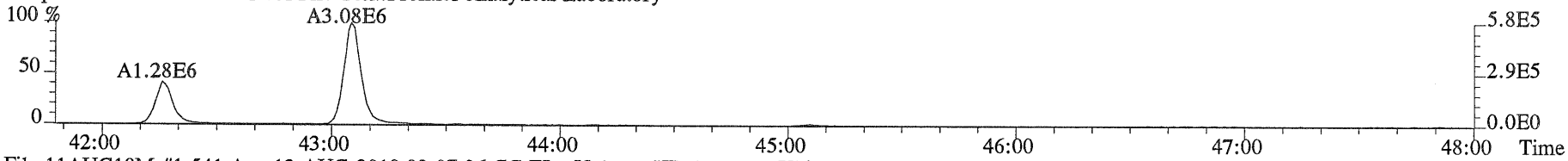
File:11AUG10M #1-477 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:20 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



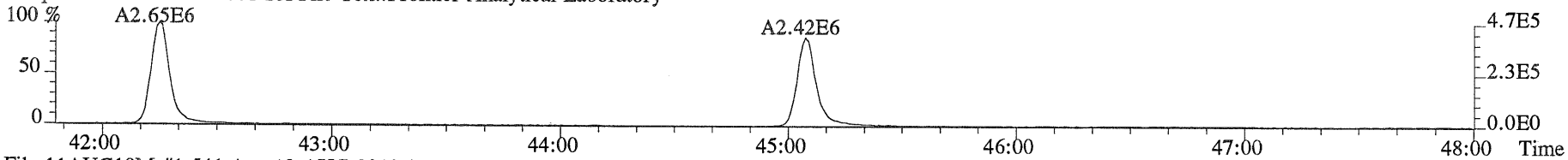
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



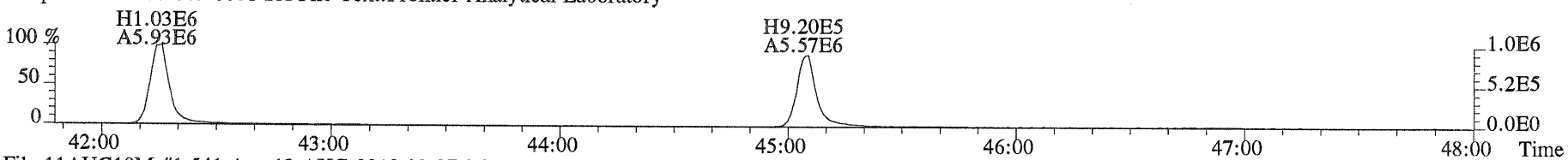
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



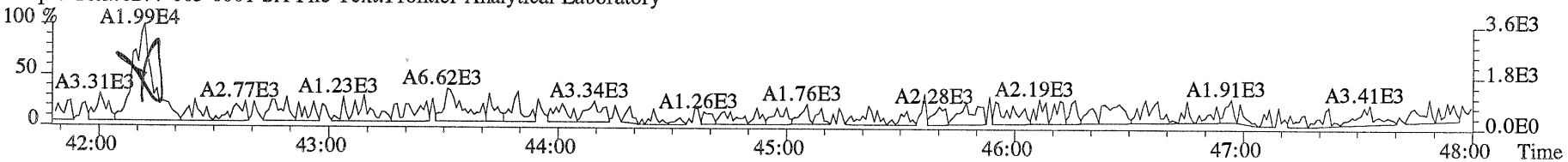
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



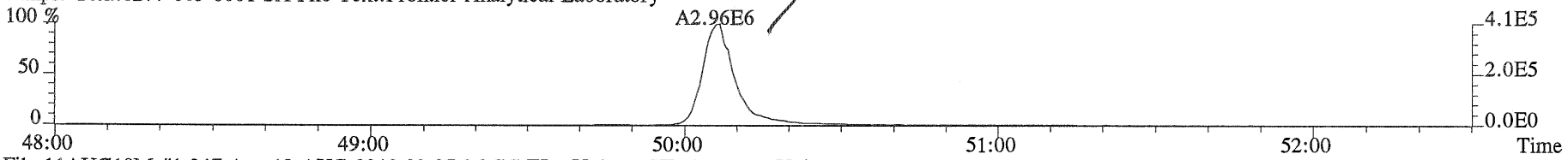
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



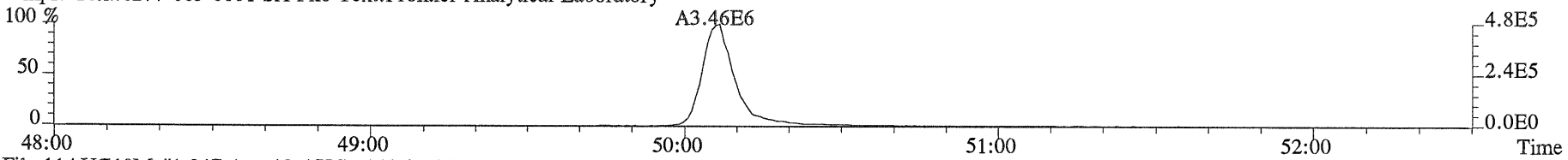
File:11AUG10M #1-541 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:20 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



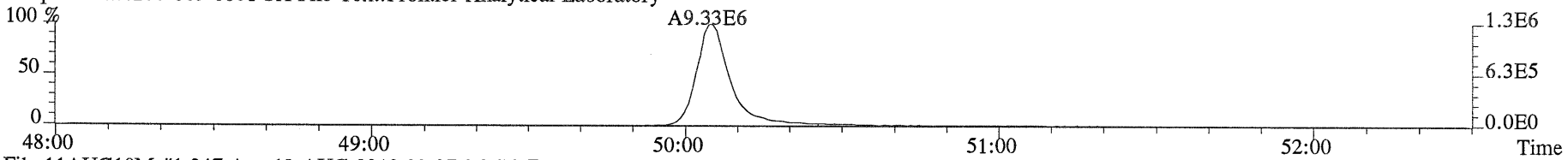
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



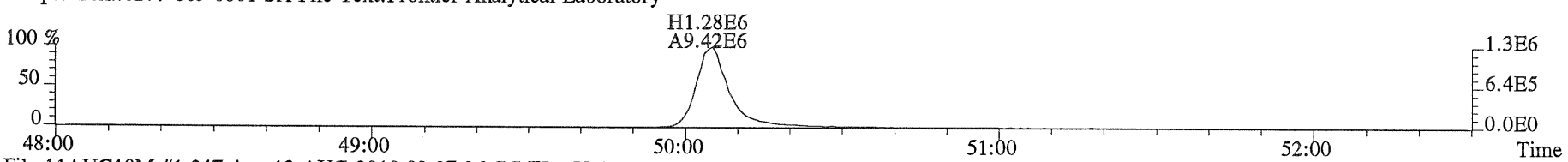
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



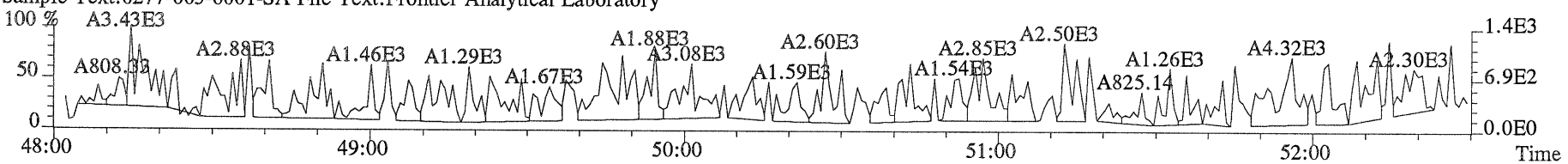
File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 03:07:36 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:20 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-003-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6277-004-0001-SA Filename: 11AUG10M Sam:9 Acquired: 11-AUG-10 16:58:43 ICal: PCDDFAL3-5-12-10
Client ID: MW13-1.5-2-080210 ConCal: ST081110M1 EndCal: ST081110M2
Results: 6277 GC Column: DB5 Amount: 2.070 NATO 1989 Tox: 30.0
WHO 1998 Tox: 23.3 WHO 2005 Tox: 24.8

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	3.24e+04	0.72 y	27:24	1.04	2.20	J	2.50	-	-	*
1,2,3,7,8-PeCDD	3.95e+04	1.42 y	33:14	1.05	2.79	J	2.50	-	-	*
1,2,3,4,7,8-HxCDD	6.13e+04	1.29 y	38:36	1.30	5.03	J	2.50	-	-	*
1,2,3,6,7,8-HxCDD	3.13e+05	1.39 y	38:45	1.28	26.3		2.50	-	-	*
1,2,3,7,8,9-HxCDD	1.46e+05	1.29 y	39:12	1.25	12.5		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	1.13e+07	1.02 y	44:10	1.35	821		2.50	-	-	*
OCDD	6.31e+07	0.98 y	49:44	1.25	8090		2.50	-	-	*
2,3,7,8-TCDF	4.55e+04	0.71 y	26:38	1.62	1.19	J	2.50	-	-	*
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.92	*		2.50	343	456	0.486
2,3,4,7,8-PeCDF	2.68e+04	1.40 y	32:48	0.94	1.40	J	2.50	-	-	*
1,2,3,4,7,8-HxCDF	1.42e+05	1.31 y	37:12	0.93	7.22	J	2.50	-	-	*
1,2,3,6,7,8-HxCDF	7.28e+04	1.28 y	37:24	0.84	3.57	J	2.50	-	-	*
2,3,4,6,7,8-HxCDF	9.56e+04	1.15 y	38:19	0.90	5.16	J	2.50	-	-	*
1,2,3,7,8,9-HxCDF	2.07e+04	1.17 y	39:50	0.98	1.13	J	2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	3.60e+06	1.04 y	42:17	1.38	216		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	1.36e+05	1.16 y	45:07	1.62	8.28	J	2.50	-	-	*
OCDF	8.36e+06	0.85 y	50:06	0.74	925		2.50	-	-	*
										Rec
13C-2,3,7,8-TCDD	1.37e+07	0.82 y	27:23	0.93	899					93.0
13C-1,2,3,7,8-PeCDD	1.31e+07	1.76 y	33:12	0.81	984					102
13C-1,2,3,4,7,8-HxCDD	9.08e+06	1.22 y	38:33	0.95	863					89.3
13C-1,2,3,6,7,8-HxCDD	8.97e+06	1.22 y	38:44	1.00	811					83.9
13C-1,2,3,4,6,7,8-HpCDD	9.86e+06	0.99 y	44:10	0.92	963					99.7
13C-OCDD	1.21e+07	0.92 y	49:43	0.63	1720					88.8
13C-2,3,7,8-TCDF	2.28e+07	0.86 y	26:37	0.87	911					94.3
13C-1,2,3,7,8-PeCDF	2.01e+07	1.64 y	31:27	0.81	863					89.4
13C-2,3,4,7,8-PeCDF	1.96e+07	1.65 y	32:47	0.75	904					93.6
13C-1,2,3,4,7,8-HxCDF	2.04e+07	0.51 y	37:10	1.74	1050					109
13C-1,2,3,6,7,8-HxCDF	2.35e+07	0.52 y	37:22	2.17	976					101
13C-2,3,4,6,7,8-HxCDF	2.00e+07	0.52 y	38:19	1.82	989					102
13C-1,2,3,7,8,9-HxCDF	1.79e+07	0.52 y	39:45	1.49	1090					112
13C-1,2,3,4,6,7,8-HpCDF	1.17e+07	0.44 y	42:15	1.10	956					98.9
13C-1,2,3,4,7,8,9-HpCDF	9.73e+06	0.43 y	45:05	0.81	1070					111
13C-OCDF	2.36e+07	0.98 y	50:04	1.19	1790					92.5
37Cl-2,3,7,8-TCDD	5.86e+06		27:24	0.93	382					98.9
13C-1,2,3,4-TCDD	1.59e+07	0.83 y	26:48	-	22.7					
13C-1,2,3,4-TCDF	2.78e+07	0.88 y	25:32	-	25.2					
13C-1,2,3,7,8,9-HxCDD	1.07e+07	1.26 y	39:10	-	24.1					

						Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	1.45e+05		24:24	1.04	9.90	2.50	-	-	*		4
Total Penta-Dioxins	3.54e+05		30:14	1.05	25.0	2.50	-	-	*		8
Total Hexa-Dioxins	2.02e+06		36:07	1.27	170	2.50	-	-	*		7
Total Hepta-Dioxins	2.13e+07		42:48	1.35	1540	2.50	-	-	*		2
Total Tetra-Furans	7.08e+05		23:48	1.62	18.5	2.50	-	-	*		13
1st Fn. Tot Penta-Furans	2.55e+05		28:27	0.93	13.3	2.50	-	-	*	PeCDF	1
Total Penta-Furans	3.59e+05		30:04	0.93	18.8	2.50	-	-	*	32.1	6
Total Hexa-Furans	3.15e+06		35:14	0.90	164	2.50	-	-	*		9
Total Hepta-Furans	1.22e+07		42:17	1.48	738	2.50	-	-	*		4

Analyst: _____ Date: 8/12/10

Totals class: Total Tetra-Dioxins Entry #: 38

Run: 14 File: 11AUG10M S: 9 I: 1 F: 1
Acquired: 11-AUG-10 16:58:43

Total Concentration: 9.90 Unnamed Concentration: 7.694

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	2.05e+04	2.81e+04	0.73 y	4.86e+04	3.30	
24:41	1.85e+04	2.39e+04	0.77 y	4.24e+04	2.88	
25:57	1.03e+04	1.19e+04	0.87 y	2.22e+04	1.51	
27:24	1.36e+04	1.88e+04	0.72 y	3.24e+04	2.20	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins Entry #: 39

Run: 14 File: 11AUG10M S: 9 I: 1 F: 2
Acquired: 11-AUG-10 16:58:43

Total Concentration: 25.0 Unnamed Concentration: 22.187

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
30:14	5.31e+04	3.37e+04	1.57	y	8.68e+04	6.12	
30:51	1.45e+04	9.51e+03	1.52	y	2.40e+04	1.69	
31:27	2.86e+04	1.92e+04	1.49	y	4.78e+04	3.37	
31:42	2.80e+04	1.88e+04	1.49	y	4.68e+04	3.30	
31:50	3.00e+04	1.88e+04	1.60	y	4.88e+04	3.44	
32:07	2.41e+04	1.72e+04	1.40	y	4.13e+04	2.91	
32:36	1.16e+04	7.56e+03	1.54	y	1.92e+04	1.35	
33:14	2.32e+04	1.64e+04	1.42	y	3.95e+04	2.79	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins Entry #: 40

Run: 14 File: 11AUG10M S: 9 I: 1 F: 3
Acquired: 11-AUG-10 16:58:43

Total Concentration: 170 Unnamed Concentration: 126.068

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
36:07	2.72e+05	1.98e+05	1.38	y	4.70e+05	39.5	
37:03	7.65e+04	5.41e+04	1.41	y	1.31e+05	11.0	
37:28	5.06e+05	3.63e+05	1.39	y	8.69e+05	73.0	
38:36	3.45e+04	2.68e+04	1.29	y	6.13e+04	5.03	1,2,3,4,7,8-HxCDD
38:45	1.82e+05	1.31e+05	1.39	y	3.13e+05	26.3	1,2,3,6,7,8-HxCDD
39:02	1.80e+04	1.29e+04	1.39	y	3.08e+04	2.59	
39:12	8.24e+04	6.39e+04	1.29	y	1.46e+05	12.5	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 14 File: 11AUG10M S: 9 I: 1 F: 4
Acquired: 11-AUG-10 16:58:43

Total Concentration: 1540 Unnamed Concentration: 719.302

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	5.03e+06	4.91e+06	1.02 y	9.94e+06	719	
44:10	5.74e+06	5.60e+06	1.02 y	1.13e+07	821	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans Entry #: 42

Run: 14 File: 11AUG10M S: 9 I: 1 F: 1
Acquired: 11-AUG-10 16:58:43

Total Concentration: 18.5 Unnamed Concentration: 17.349

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
23:48	4.99e+04	7.09e+04	0.70	y	1.21e+05	3.17	
24:11	3.01e+04	4.53e+04	0.66	y	7.54e+04	1.97	
24:26	2.64e+04	3.76e+04	0.70	y	6.39e+04	1.67	
24:44	2.24e+04	3.00e+04	0.75	y	5.24e+04	1.37	
24:57	1.00e+04	1.27e+04	0.79	y	2.27e+04	0.596	
25:19	1.84e+04	2.51e+04	0.73	y	4.35e+04	1.14	
25:26	2.92e+04	4.08e+04	0.72	y	6.99e+04	1.83	
25:34	1.59e+04	2.41e+04	0.66	y	4.00e+04	1.05	
25:54	1.81e+04	2.59e+04	0.70	y	4.41e+04	1.15	
26:10	1.25e+04	1.55e+04	0.81	y	2.81e+04	0.735	
26:28	2.06e+04	2.46e+04	0.84	y	4.53e+04	1.18	
26:38	1.89e+04	2.66e+04	0.71	y	4.55e+04	1.19	2,3,7,8-TCDF
26:58	2.45e+04	3.20e+04	0.77	y	5.65e+04	1.48	

Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 14 File: 11AUG10M S: 9 I: 1 F: 1
Acquired: 11-AUG-10 16:58:43

Total Concentration: 13.3 Unnamed Concentration: 13.333

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
28:27	1.50e+05	1.04e+05	1.44	y	2.55e+05	13.3	

Totals class: Total Penta-Furans Entry #: 44

Run: 14 File: 11AUG10M S: 9 I: 1 F: 2
Acquired: 11-AUG-10 16:58:43

Total Concentration: 18.8 Unnamed Concentration: 17.402

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:04	2.47e+04	1.48e+04	1.67 y	3.95e+04	2.07	
30:14	9.88e+04	6.96e+04	1.42 y	1.68e+05	8.82	
30:55	3.98e+04	2.32e+04	1.72 y	6.30e+04	3.30	
31:50	1.84e+04	1.26e+04	1.46 y	3.11e+04	1.63	
32:48	1.56e+04	1.12e+04	1.40 y	2.68e+04	1.40	2,3,4,7,8-PeCDF
32:50	1.77e+04	1.25e+04	1.41 y	3.02e+04	1.58	

Totals class: Total Hexa-Furans Entry #: 45

Run: 14 File: 11AUG10M S: 9 I: 1 F: 3
Acquired: 11-AUG-10 16:58:43

Total Concentration: 164 Unnamed Concentration: 147.285

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	1.33e+05	1.07e+05	1.24 y	2.40e+05	12.5	
35:30	4.88e+05	3.92e+05	1.24 y	8.80e+05	45.9	
36:05	1.96e+04	1.57e+04	1.25 y	3.53e+04	1.84	
36:25	9.17e+05	7.21e+05	1.27 y	1.64e+06	85.5	
37:01	1.60e+04	1.28e+04	1.25 y	2.87e+04	1.50	
37:12	8.04e+04	6.12e+04	1.31 y	1.42e+05	7.22	1,2,3,4,7,8-HxCDF
37:24	4.08e+04	3.20e+04	1.28 y	7.28e+04	3.57	1,2,3,6,7,8-HxCDF
38:19	5.11e+04	4.44e+04	1.15 y	9.56e+04	5.16	2,3,4,6,7,8-HxCDF
39:50	1.11e+04	9.50e+03	1.17 y	2.07e+04	1.13	1,2,3,7,8,9-HxCDF

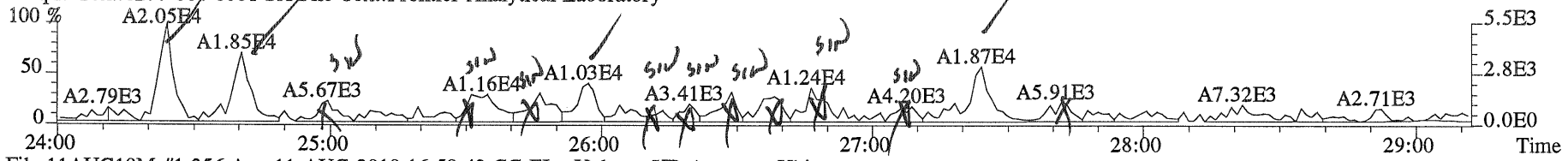
Totals class: Total Hepta-Furans Entry #: 46

Run: 14 File: 11AUG10M S: 9 I: 1 F: 4
Acquired: 11-AUG-10 16:58:43

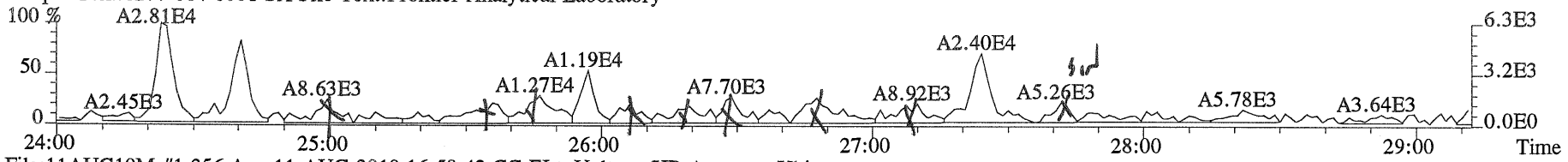
Total Concentration: 738 Unnamed Concentration: 513.112

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:17	1.83e+06	1.77e+06	1.04 y	3.60e+06	216	1,2,3,4,6,7,8-HpCDF
42:48	4.33e+04	3.99e+04	1.09 y	8.32e+04	5.06	
43:06	4.30e+06	4.06e+06	1.06 y	8.35e+06	508	
45:07	7.28e+04	6.28e+04	1.16 y	1.36e+05	8.28	1,2,3,4,7,8,9-HpCDF

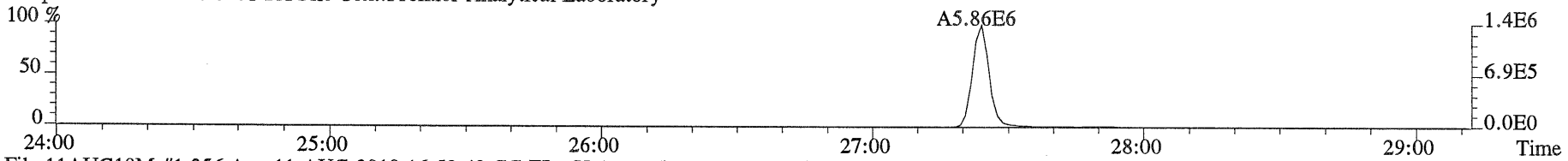
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



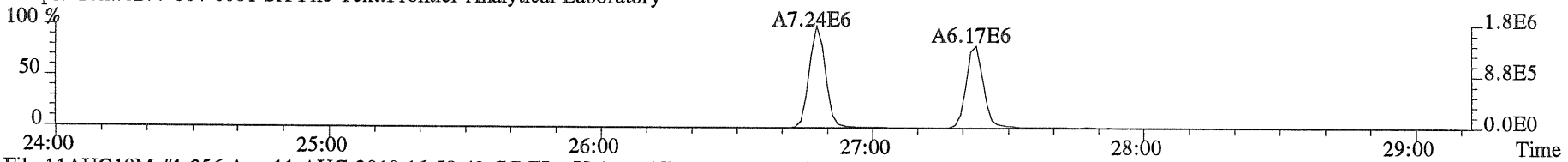
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



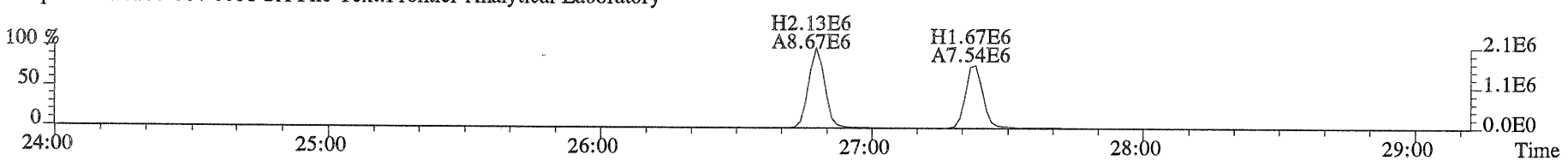
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



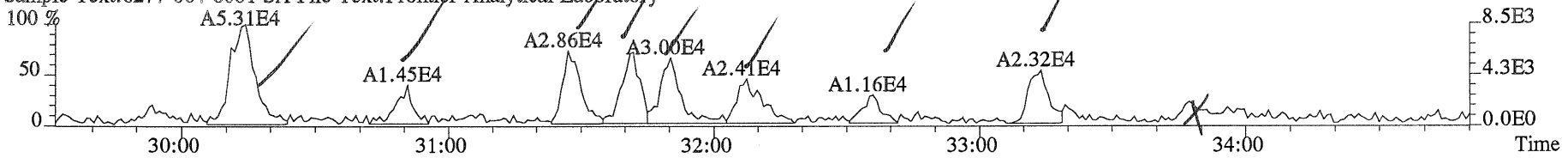
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



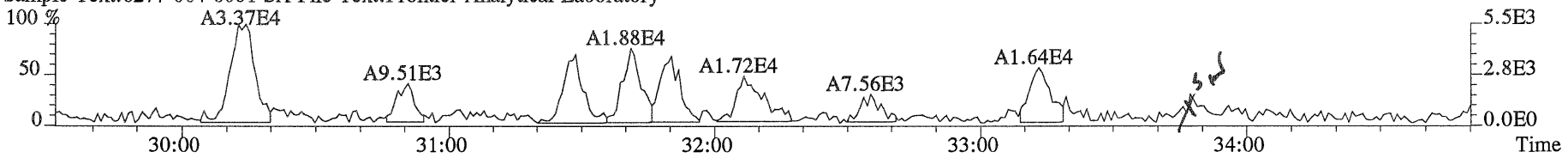
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



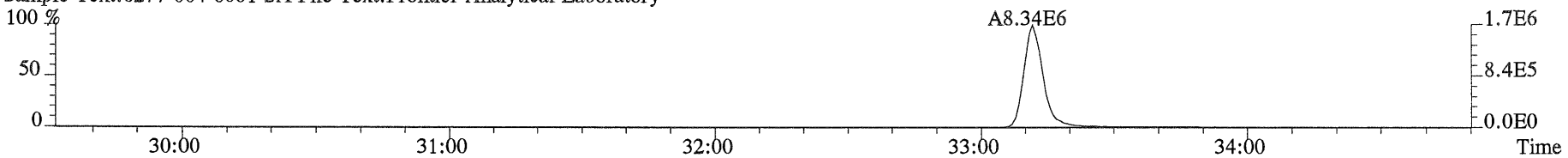
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



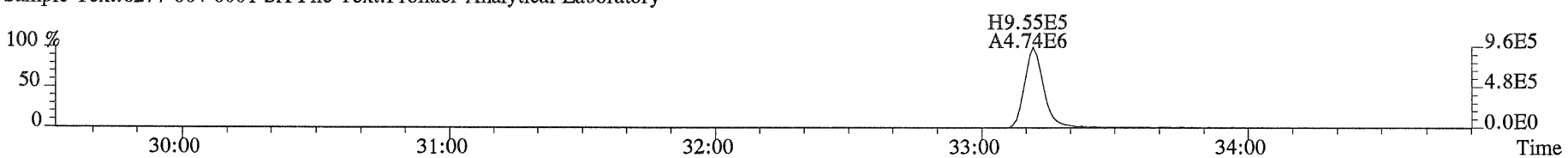
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



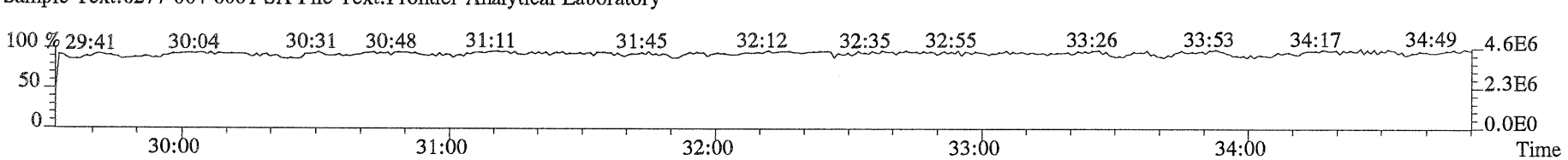
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



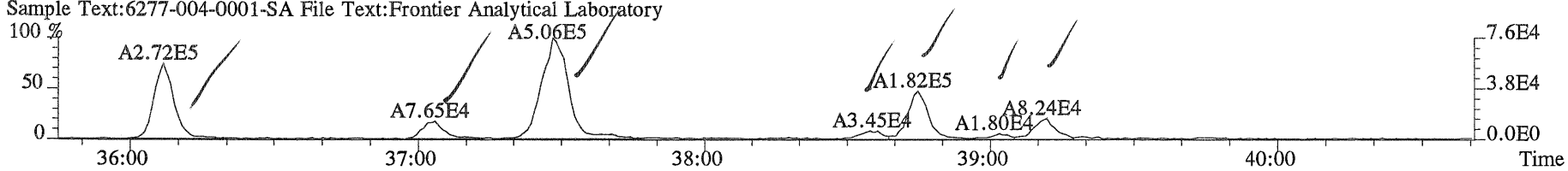
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



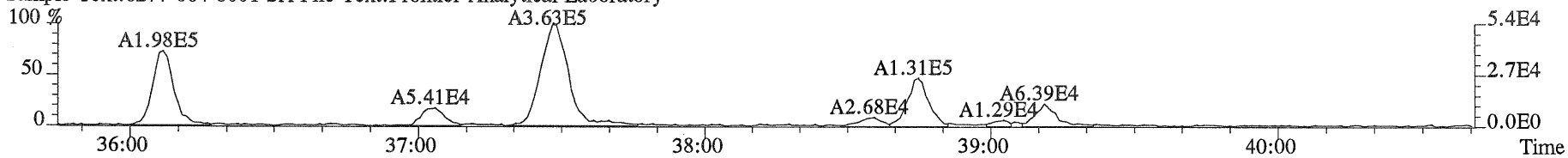
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:9 F:2 Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



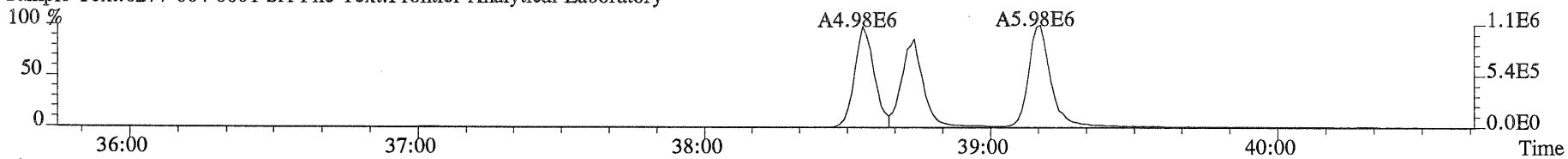
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



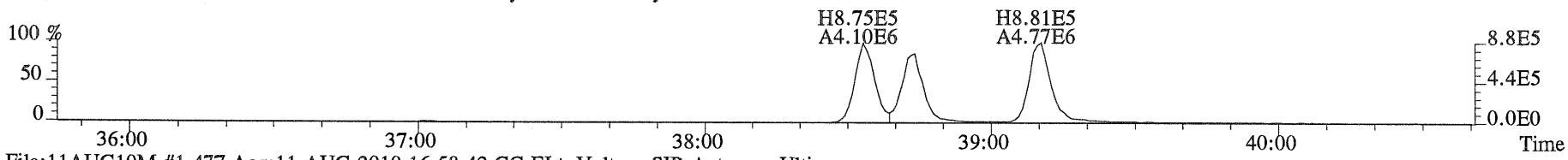
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



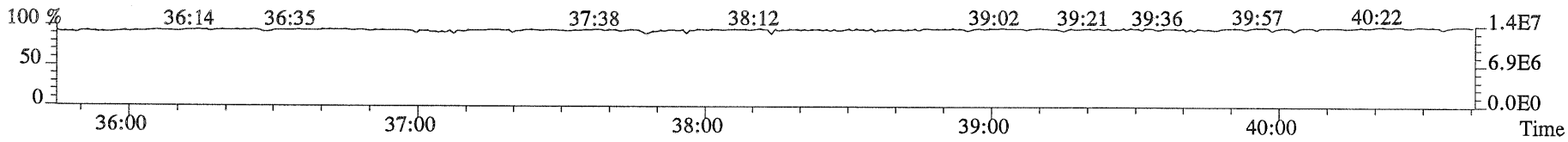
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



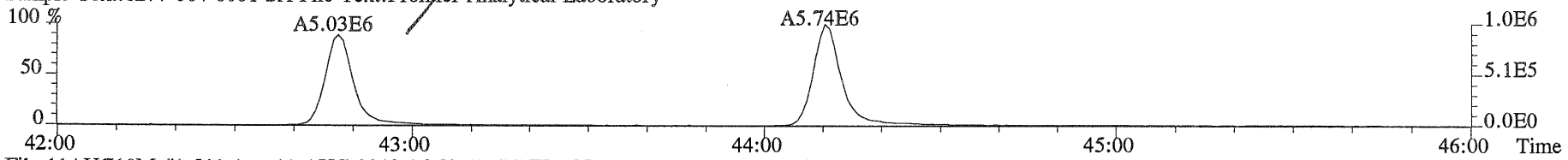
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



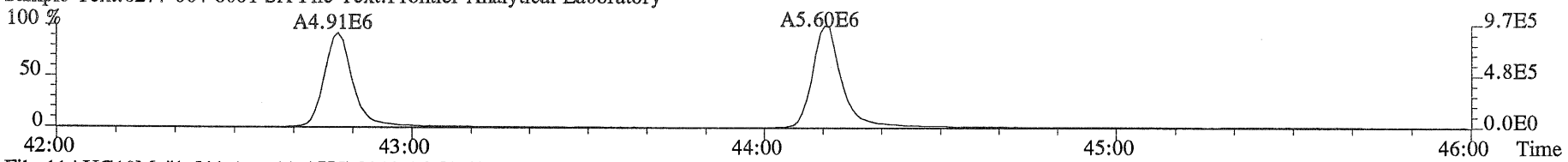
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:9 F:3 Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



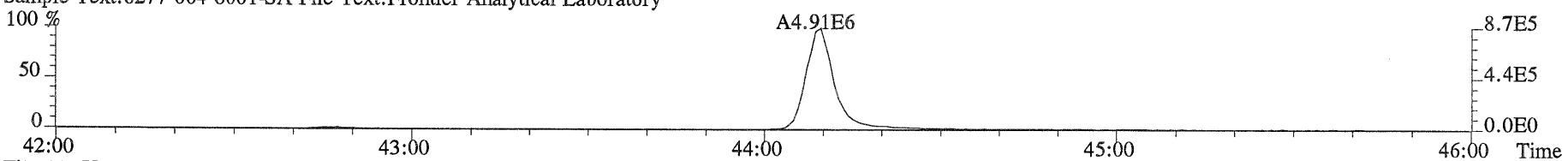
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



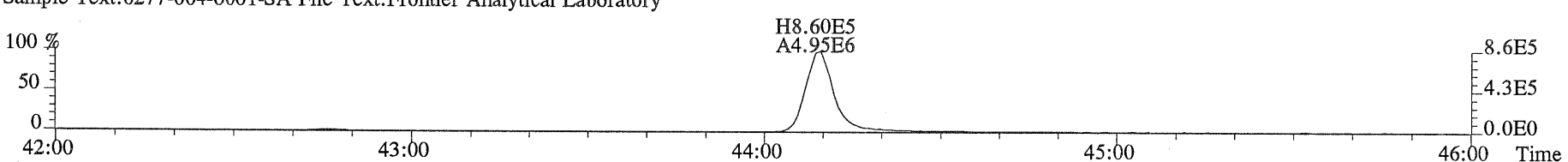
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



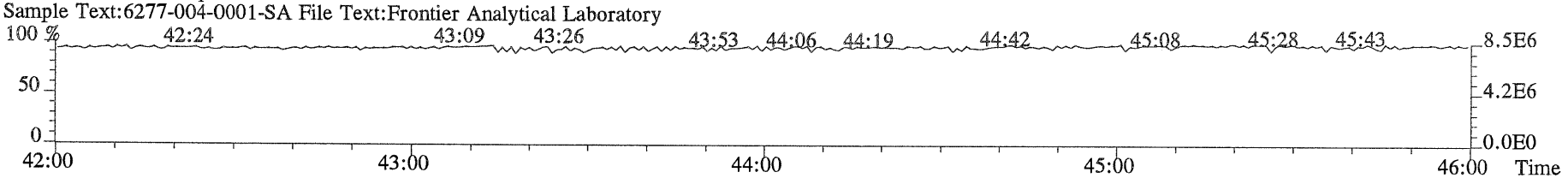
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



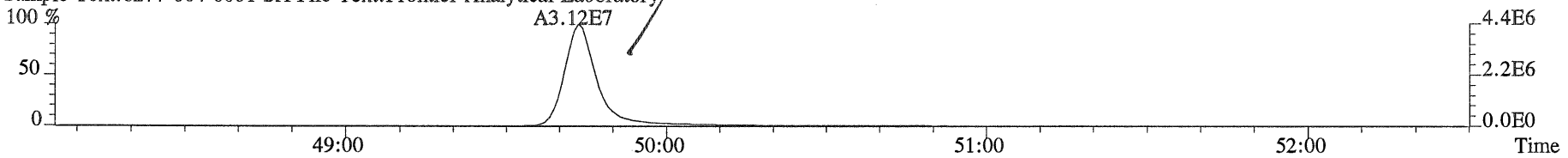
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



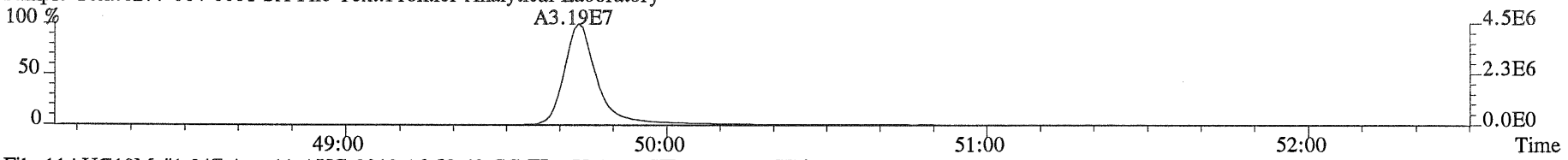
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:9 F:4 Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



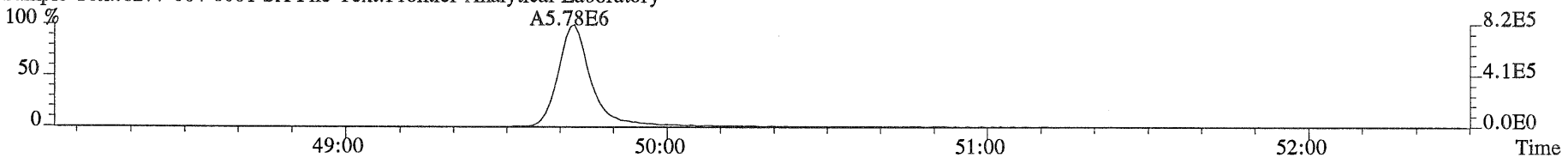
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



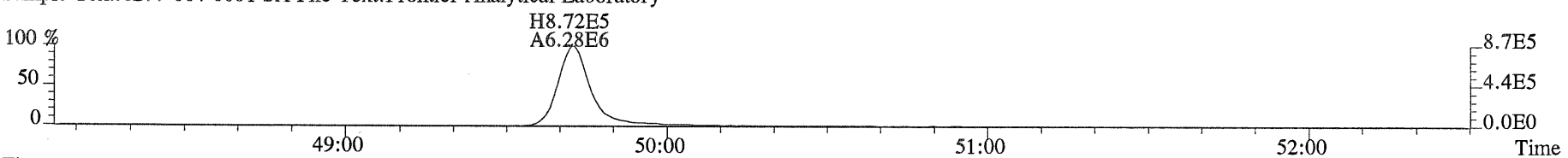
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



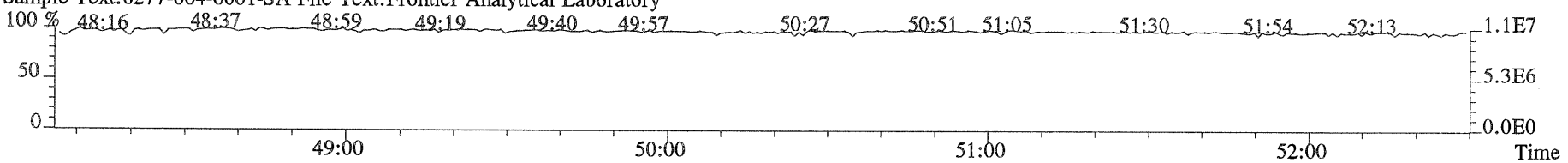
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



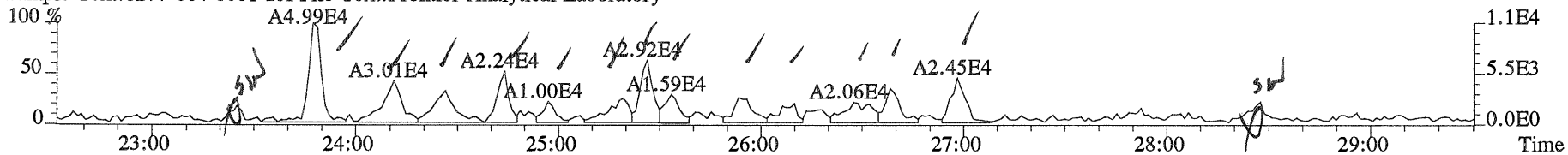
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



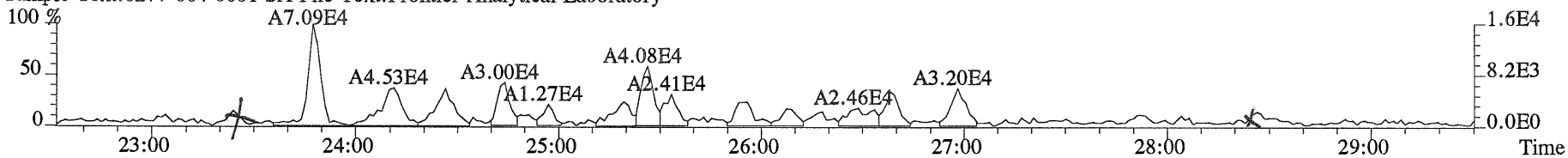
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:9 F:5 Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



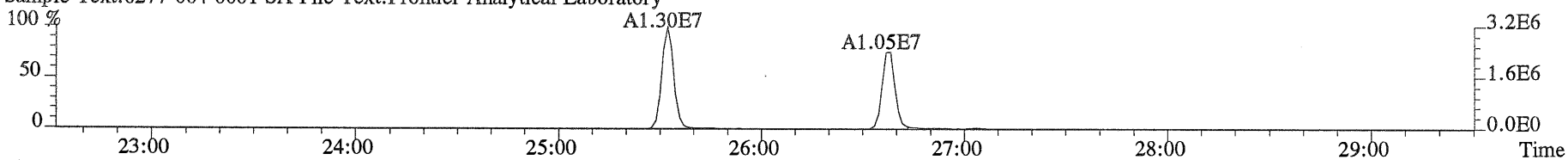
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



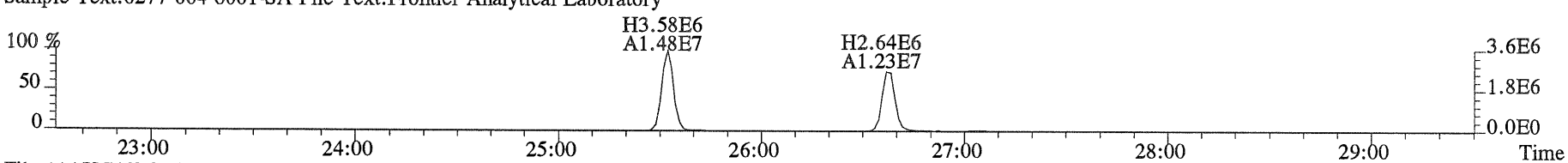
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



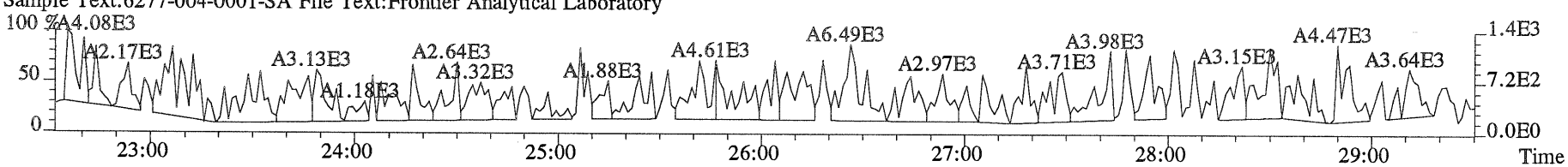
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



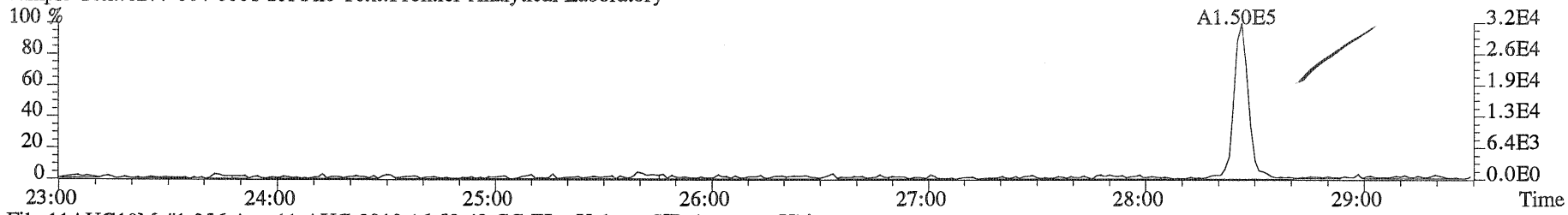
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



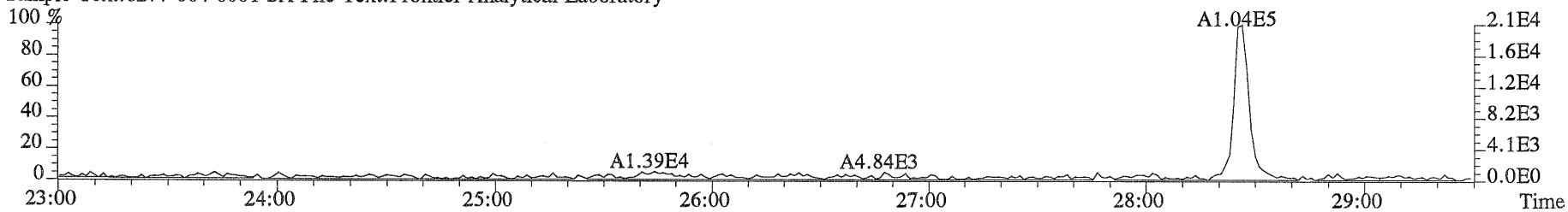
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



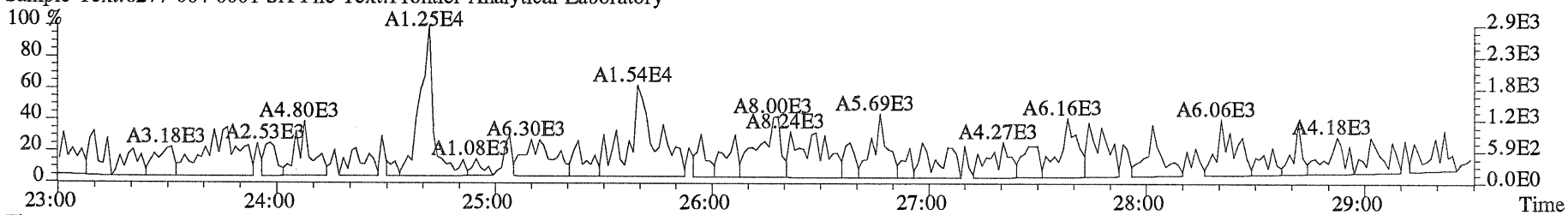
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



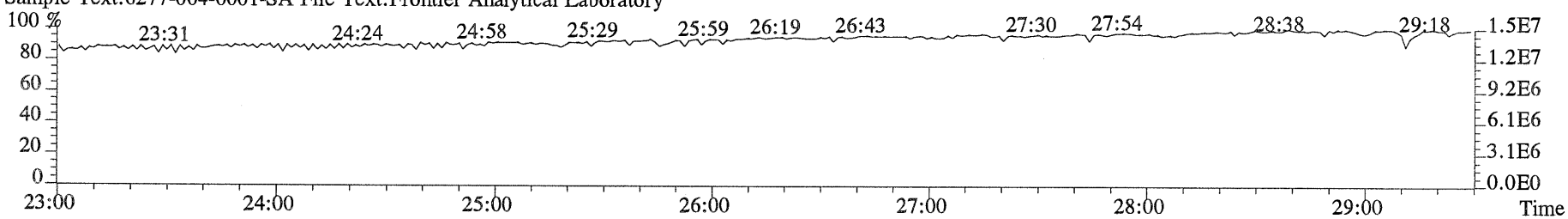
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



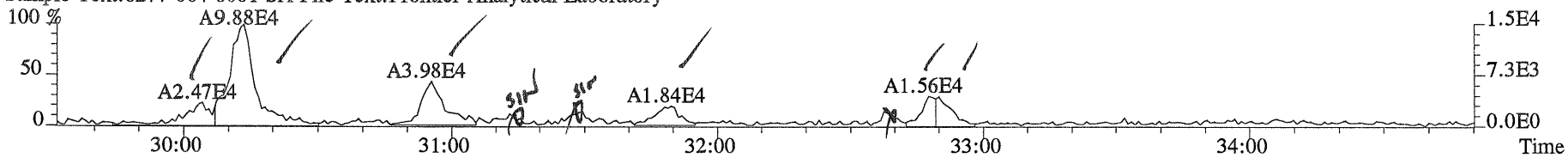
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



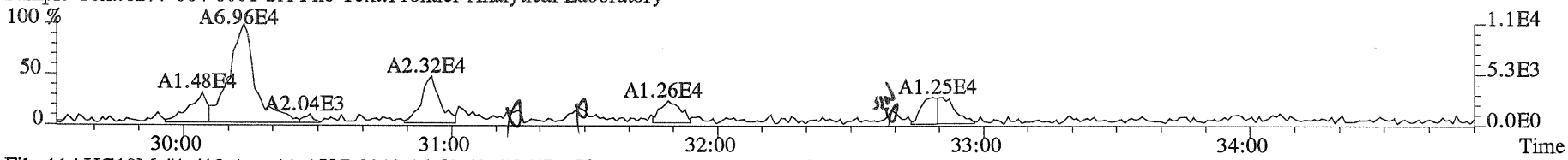
File:11AUG10M #1-356 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:9 Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



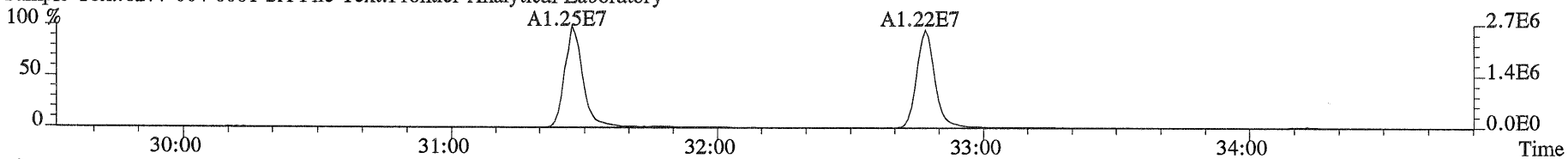
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



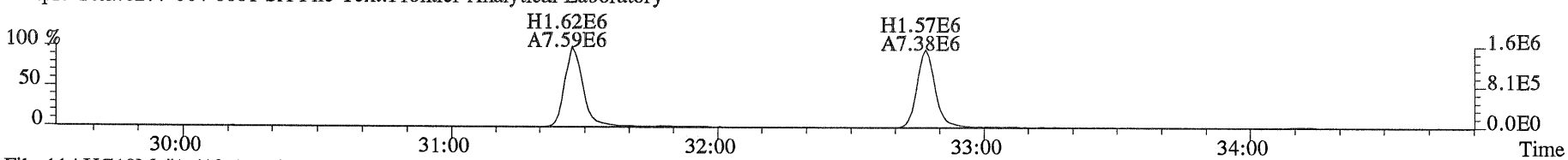
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



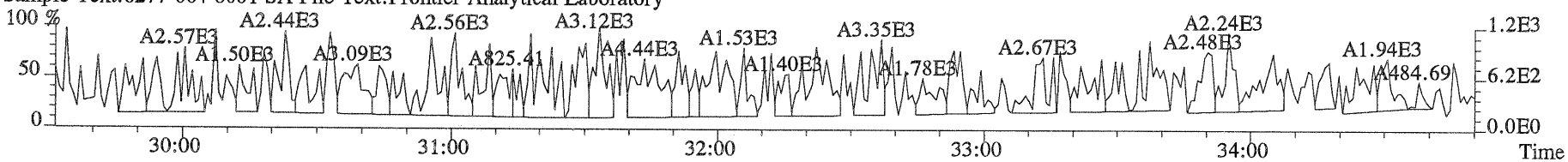
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



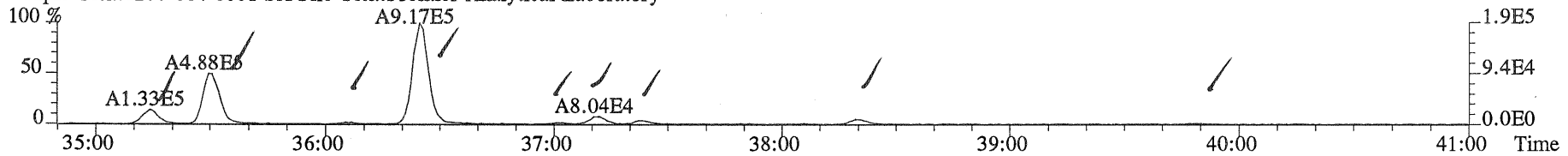
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



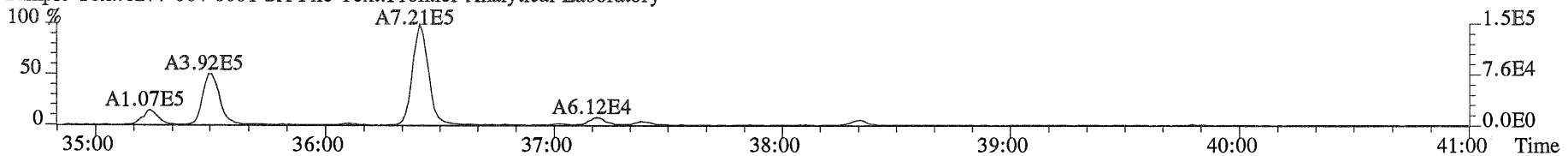
File:11AUG10M #1-412 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



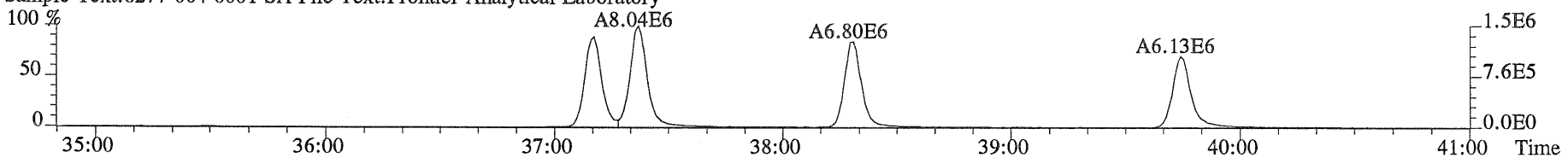
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



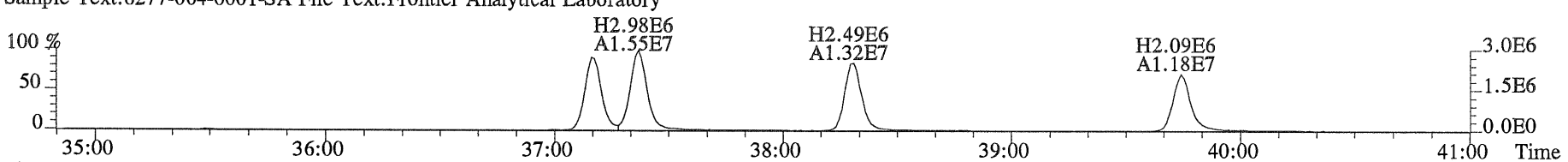
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



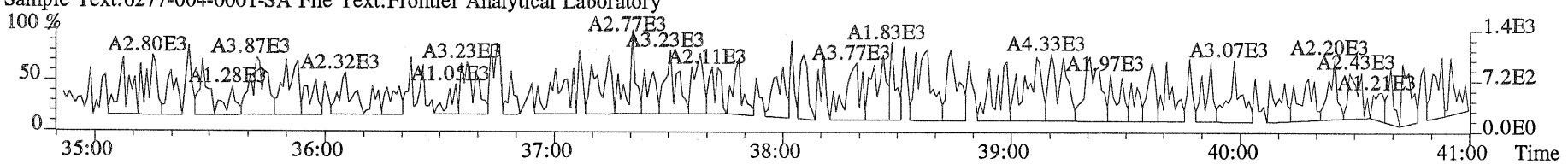
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



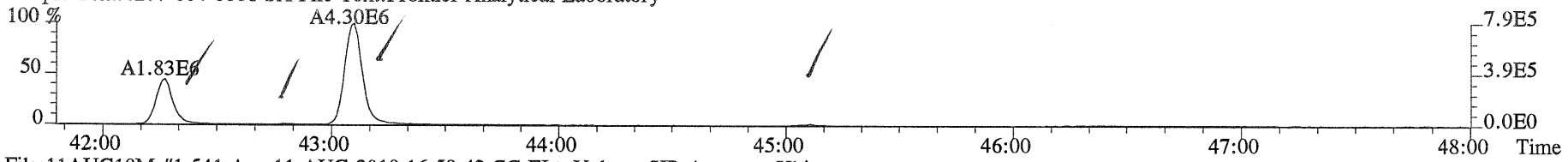
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



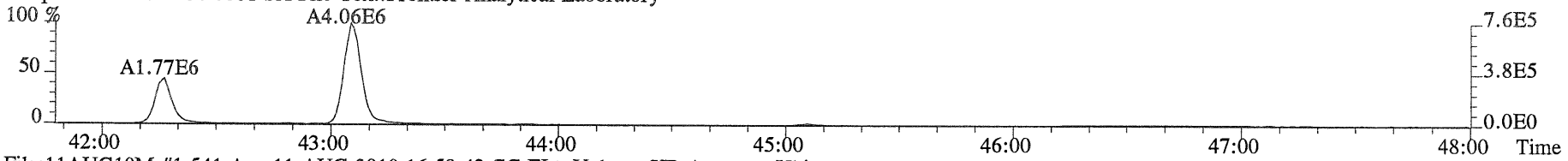
File:11AUG10M #1-477 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



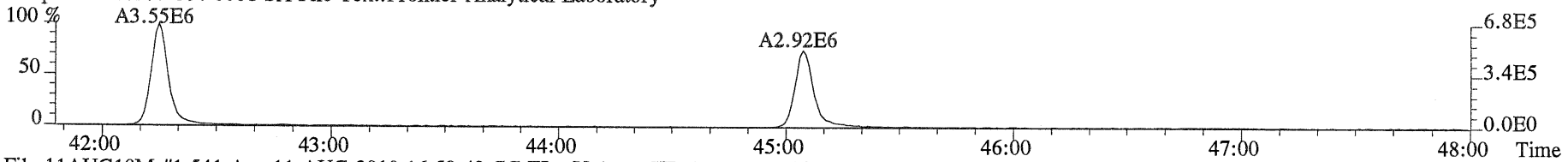
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



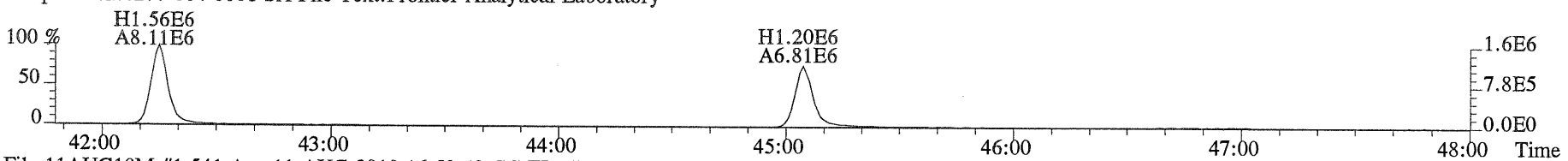
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



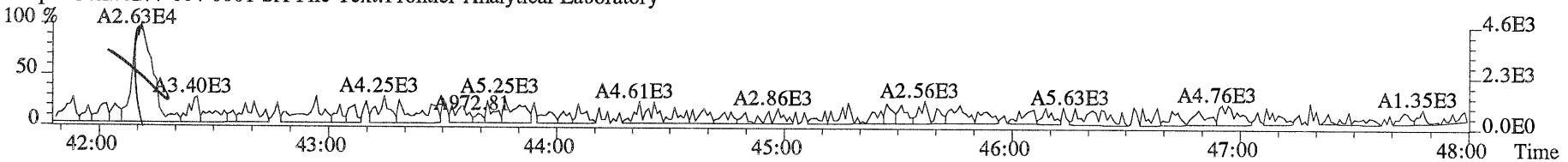
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



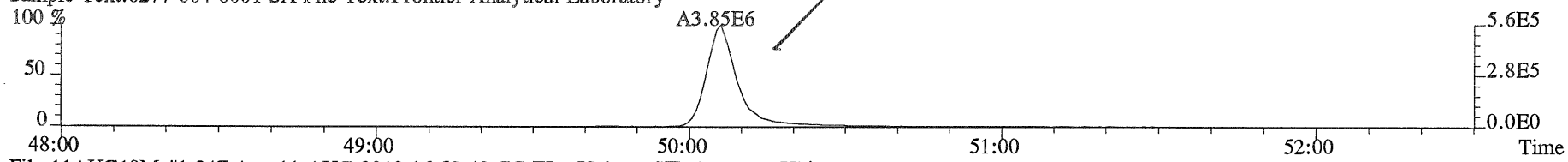
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



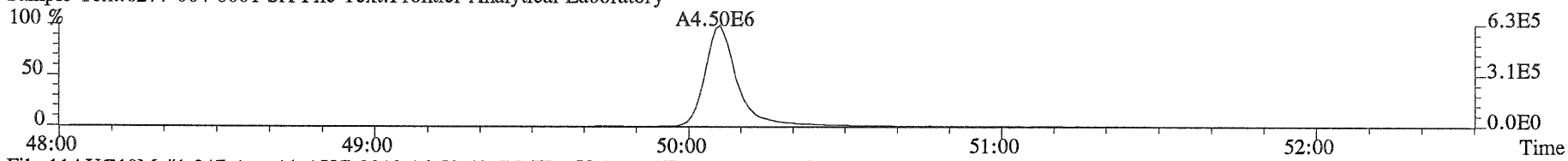
File:11AUG10M #1-541 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



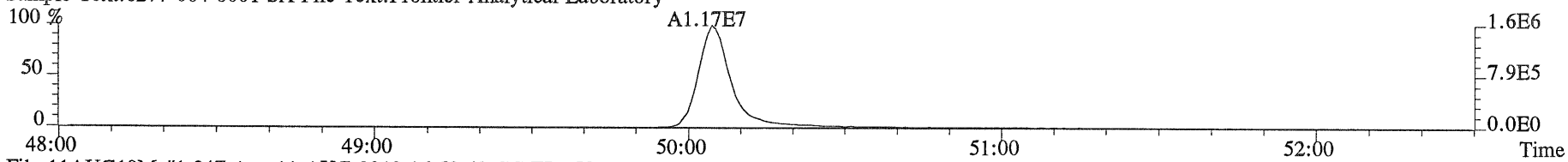
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



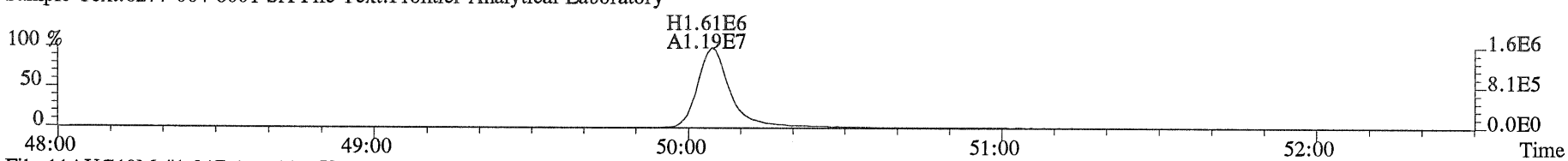
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



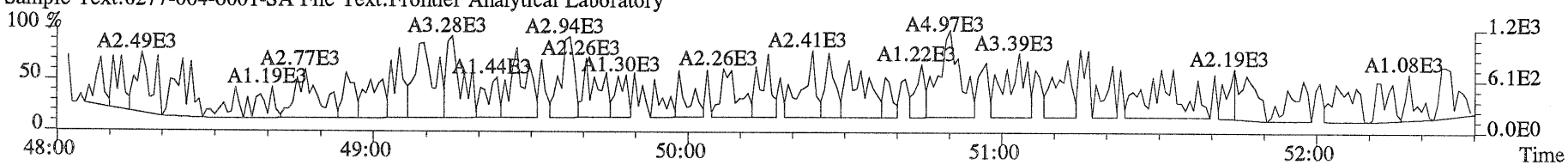
File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 16:58:43 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-004-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6277-005-0001-SA Filename: 11AUG10M Sam:21 Acquired: 12-AUG-10 04:02:55 ICal: PCDDFAL3-5-12-10
Client ID: MW12-0-0.5-080210 ConCal: ST081110M2 EndCal: ST081110M3
Results: 6277 GC Column: DB5 Amount: 2.040 NATO 1989 Tox: 30.2
WHO 1998 Tox: 21.4 WHO 2005 Tox: 23.3

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	*	*	n	NotFnd	1.04	*		2.50	213	266	0.552
1,2,3,7,8-PeCDD	2.33e+04	1.69	y	33:13	1.05	2.52	J	2.50	-	-	*
1,2,3,4,7,8-HxCDD	4.08e+04	1.29	y	38:33	1.30	5.03	J	2.50	-	-	*
1,2,3,6,7,8-HxCDD	1.96e+05	1.30	y	38:44	1.28	25.2		2.50	-	-	*
1,2,3,7,8,9-HxCDD	8.40e+04	1.41	y	39:11	1.25	10.9	J	2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	8.66e+06	1.03	y	44:11	1.35	892		2.50	-	-	*
OCDD	6.01e+07	0.98	y	49:44	1.25	10200		2.50	-	-	*
2,3,7,8-TCDF	2.70e+04	0.67	y	26:38	1.62	0.989	J	2.50	-	-	*
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.92	*		2.50	591	520	0.963
2,3,4,7,8-PeCDF	2.27e+04	1.41	y	32:48	0.94	1.69	J	2.50	-	-	*
1,2,3,4,7,8-HxCDF	8.53e+04	1.22	y	37:10	0.93	6.00	J	2.50	-	-	*
1,2,3,6,7,8-HxCDF	4.75e+04	1.20	y	37:23	0.84	3.23	J	2.50	-	-	*
2,3,4,6,7,8-HxCDF	6.28e+04	1.33	y	38:20	0.90	4.62	J	2.50	-	-	*
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.98	*		2.50	406	442	0.935
1,2,3,4,6,7,8-HpCDF	2.79e+06	1.09	y	42:17	1.38	229		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	9.06e+04	1.12	y	45:05	1.62	7.09	J	2.50	-	-	*
OCDF	7.00e+06	0.84	y	50:07	0.74	969		2.50	-	-	*
											Rec
13C-2,3,7,8-TCDD	9.30e+06	0.86	y	27:23	0.93	899					91.7
13C-1,2,3,7,8-PeCDD	8.67e+06	1.73	y	33:12	0.81	962					98.1
13C-1,2,3,4,7,8-HxCDD	6.12e+06	1.20	y	38:33	0.95	912					93.0
13C-1,2,3,6,7,8-HxCDD	5.97e+06	1.21	y	38:43	1.00	846					86.3
13C-1,2,3,4,6,7,8-HpCDD	7.03e+06	1.00	y	44:10	0.92	1080					110
13C-OCDD	9.22e+06	0.92	y	49:43	0.63	2060					105
13C-2,3,7,8-TCDF	1.65e+07	0.88	y	26:37	0.87	956					97.5
13C-1,2,3,7,8-PeCDF	1.47e+07	1.68	y	31:27	0.81	914					93.2
13C-2,3,4,7,8-PeCDF	1.39e+07	1.66	y	32:47	0.75	928					94.7
13C-1,2,3,4,7,8-HxCDF	1.50e+07	0.52	y	37:10	1.74	1220					124
13C-1,2,3,6,7,8-HxCDF	1.72e+07	0.53	y	37:21	2.17	1120					114
13C-2,3,4,6,7,8-HxCDF	1.49e+07	0.52	y	38:18	1.82	1150					118
13C-1,2,3,7,8,9-HxCDF	1.32e+07	0.53	y	39:45	1.49	1250					127
13C-1,2,3,4,6,7,8-HpCDF	8.66e+06	0.44	y	42:15	1.10	1110					113
13C-1,2,3,4,7,8,9-HpCDF	7.71e+06	0.44	y	45:05	0.81	1330					136
13C-OCDF	1.91e+07	0.98	y	50:05	1.19	2270					116
37Cl-2,3,7,8-TCDD	3.80e+06			27:24	0.93	366					93.3
13C-1,2,3,4-TCDD	1.09e+07	0.87	y	26:48	-	15.8					
13C-1,2,3,4-TCDF	1.95e+07	0.88	y	25:32	-	18.0					
13C-1,2,3,7,8,9-HxCDD	6.96e+06	1.21	y	39:10	-	15.8					

													Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	4.95e+04			24:24	1.04	5.03							2.50	-	-	*		2
Total Penta-Dioxins	1.41e+05			30:15	1.05	15.2							2.50	-	-	*		5
Total Hexa-Dioxins	1.14e+06			36:07	1.27	145							2.50	-	-	*		6
Total Hepta-Dioxins	1.64e+07			42:48	1.35	1690							2.50	-	-	*		2
Total Tetra-Furans	3.96e+05			23:48	1.62	14.5							2.50	-	-	*		10
1st Fn. Tot Penta-Furans	1.43e+05			28:27	0.93	10.6							2.50	-	-	*	PeCDF	1
Total Penta-Furans	2.15e+05			30:04	0.93	15.9							2.50	-	-	*	26	5
Total Hexa-Furans	2.06e+06			35:14	0.90	148							2.50	-	-	*	215	6
Total Hepta-Furans	9.33e+06			42:17	1.48	757							2.50	-	-	*		3

8/16/10

Analyst: _____ Date: 8/12/10

Totals class: Total Tetra-Dioxins Entry #: 38

Run: 24 File: 11AUG10M S: 21 I: 1 F: 1
Acquired: 12-AUG-10 04:02:55

Total Concentration: 5.03 Unnamed Concentration: 5.034

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:24	1.32e+04	1.69e+04	0.79 y	3.01e+04	3.06	
24:41	8.95e+03	1.04e+04	0.86 y	1.94e+04	1.97	

Totals class: Total Penta-Dioxins Entry #: 39

Run: 24 File: 11AUG10M S: 21 I: 1 F: 2
Acquired: 12-AUG-10 04:02:55

Total Concentration: 15.2 Unnamed Concentration: 12.705

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
30:15	2.63e+04	1.54e+04	1.71	y	4.17e+04	4.50	
31:29	1.46e+04	1.07e+04	1.36	y	2.53e+04	2.73	
31:41	1.72e+04	1.00e+04	1.72	y	2.73e+04	2.94	
31:50	1.41e+04	9.30e+03	1.52	y	2.34e+04	2.53	
33:13	1.47e+04	8.67e+03	1.69	y	2.33e+04	2.52	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins Entry #: 40

Run: 24 File: 11AUG10M S: 21 I: 1 F: 3
Acquired: 12-AUG-10 04:02:55

Total Concentration: 145 Unnamed Concentration: 103.999

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
36:07	1.65e+05	1.18e+05	1.40	y	2.82e+05	35.9	
37:03	3.30e+04	2.32e+04	1.42	y	5.62e+04	7.15	
37:29	2.79e+05	2.00e+05	1.40	y	4.79e+05	61.0	
38:33	2.30e+04	1.78e+04	1.29	y	4.08e+04	5.03	1,2,3,4,7,8-HxCDD
38:44	1.11e+05	8.51e+04	1.30	y	1.96e+05	25.2	1,2,3,6,7,8-HxCDD
39:11	4.91e+04	3.49e+04	1.41	y	8.40e+04	10.9	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 24 File: 11AUG10M S: 21 I: 1 F: 4
Acquired: 12-AUG-10 04:02:55

Total Concentration: 1690 Unnamed Concentration: 796.939

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	3.95e+06	3.79e+06	1.04 y	7.74e+06	797	
44:11	4.39e+06	4.27e+06	1.03 y	8.66e+06	892	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans Entry #: 42

Run: 24 File: 11AUG10M S: 21 I: 1 F: 1
Acquired: 12-AUG-10 04:02:55

Total Concentration: 14.5 Unnamed Concentration: 13.512

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
23:48	3.12e+04	4.74e+04	0.66	y	7.86e+04	2.88	
24:11	1.83e+04	2.76e+04	0.66	y	4.59e+04	1.68	
24:28	2.02e+04	2.46e+04	0.82	y	4.47e+04	1.64	
24:44	1.42e+04	2.05e+04	0.69	y	3.47e+04	1.27	
25:19	1.06e+04	1.31e+04	0.81	y	2.37e+04	0.867	
25:25	1.80e+04	2.70e+04	0.67	y	4.49e+04	1.65	
25:34	1.11e+04	1.40e+04	0.79	y	2.51e+04	0.920	
25:55	1.48e+04	2.00e+04	0.74	y	3.49e+04	1.28	
26:38	1.09e+04	1.61e+04	0.67	y	2.70e+04	0.989	2,3,7,8-TCDF
26:58	1.44e+04	2.20e+04	0.65	y	3.63e+04	1.33	

Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 24 File: 11AUG10M S: 21 I: 1 F: 1
Acquired: 12-AUG-10 04:02:55

Total Concentration: 10.6 Unnamed Concentration: 10.569

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
28:27	8.91e+04	5.43e+04	1.64	y	1.43e+05	10.6	

Totals class: Total Penta-Furans Entry #: 44

Run: 24 File: 11AUG10M S: 21 I: 1 F: 2
Acquired: 12-AUG-10 04:02:55

Total Concentration: 15.9 Unnamed Concentration: 14.167

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
30:04	1.76e+04	1.03e+04	1.71	y	2.79e+04	2.06	
30:14	6.57e+04	4.13e+04	1.59	y	1.07e+05	7.89	
30:55	2.24e+04	1.36e+04	1.65	y	3.60e+04	2.66	
32:48	1.32e+04	9.41e+03	1.41	y	2.27e+04	1.69	2,3,4,7,8-PeCDF
32:51	1.30e+04	8.25e+03	1.58	y	2.13e+04	1.57	

Totals class: Total Hexa-Furans Entry #: 45

Run: 24 File: 11AUG10M S: 21 I: 1 F: 3
Acquired: 12-AUG-10 04:02:55

Total Concentration: 148 Unnamed Concentration: 134.010

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	8.42e+04	6.74e+04	1.25 y	1.52e+05	10.9	
35:30	3.18e+05	2.61e+05	1.22 y	5.79e+05	41.7	
36:25	6.26e+05	5.05e+05	1.24 y	1.13e+06	81.4	
37:10	4.68e+04	3.85e+04	1.22 y	8.53e+04	6.00	1,2,3,4,7,8-HxCDF
37:23	2.60e+04	2.16e+04	1.20 y	4.75e+04	3.23	1,2,3,6,7,8-HxCDF
38:20	3.58e+04	2.70e+04	1.33 y	6.28e+04	4.62	2,3,4,6,7,8-HxCDF

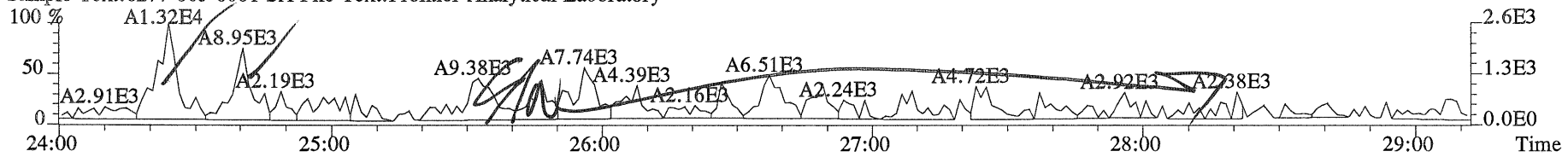
Totals class: Total Hepta-Furans Entry #: 46

Run: 24 File: 11AUG10M S: 21 I: 1 F: 4
Acquired: 12-AUG-10 04:02:55

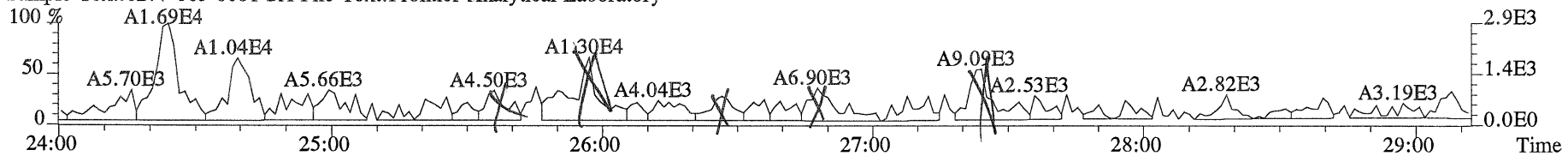
Total Concentration: 757 Unnamed Concentration: 520.750

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:17	1.45e+06	1.34e+06	1.09 y	2.79e+06	229	1,2,3,4,6,7,8-HpCDF
43:05	3.36e+06	3.10e+06	1.08 y	6.45e+06	521	
45:05	4.80e+04	4.26e+04	1.12 y	9.06e+04	7.09	1,2,3,4,7,8,9-HpCDF

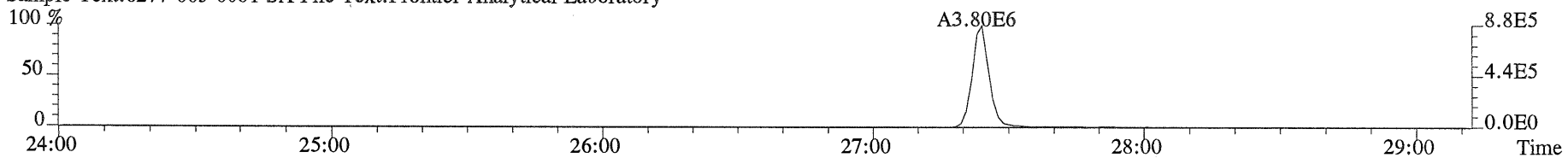
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



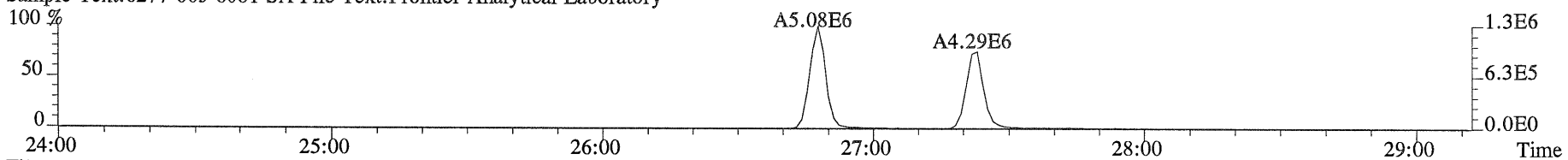
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



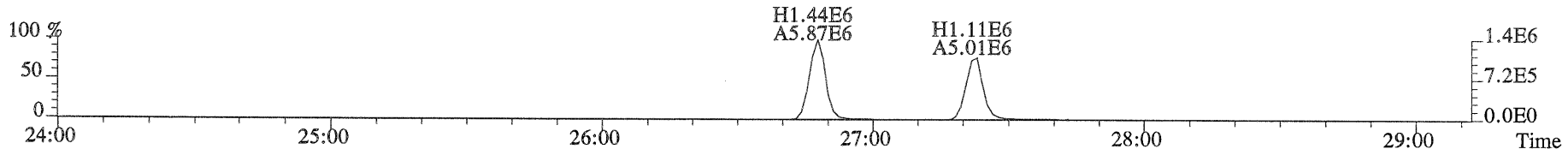
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



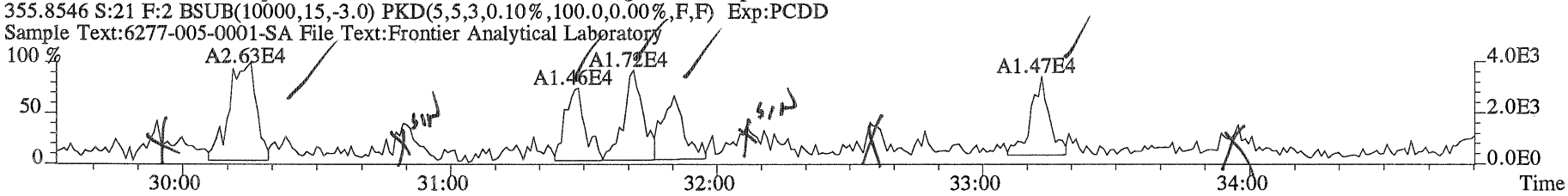
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



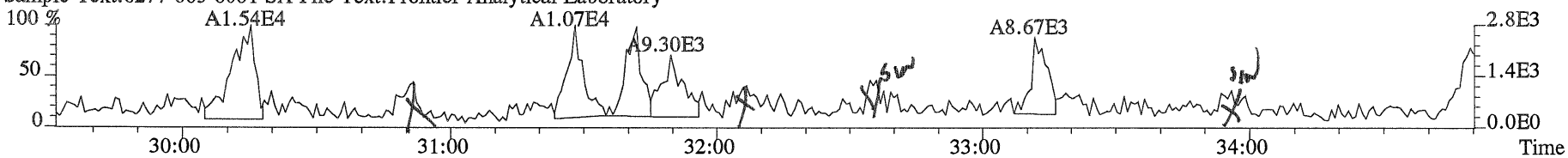
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



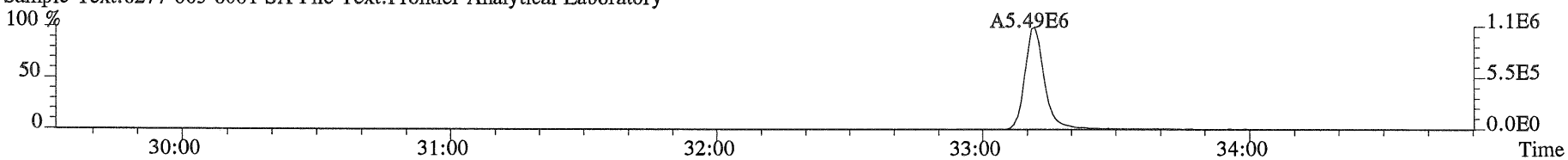
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



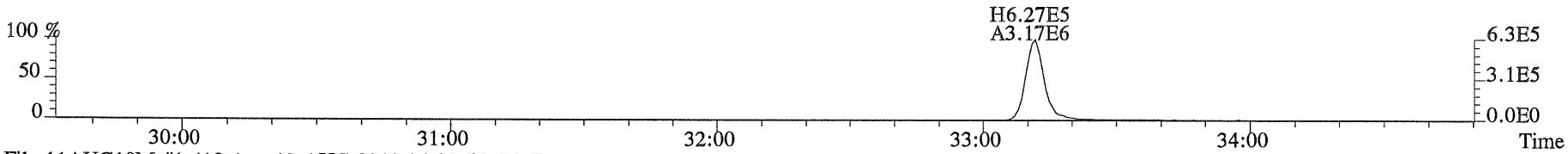
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



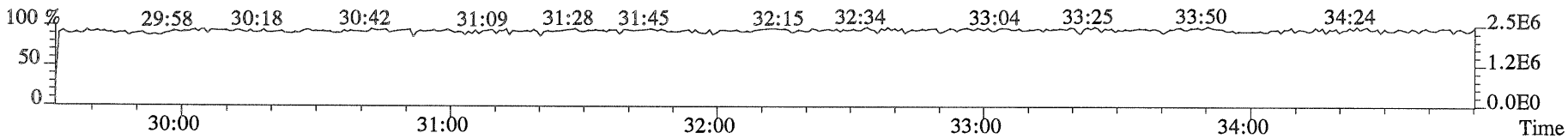
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



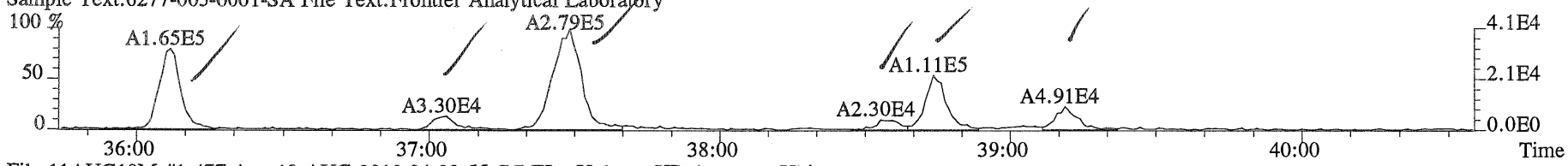
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



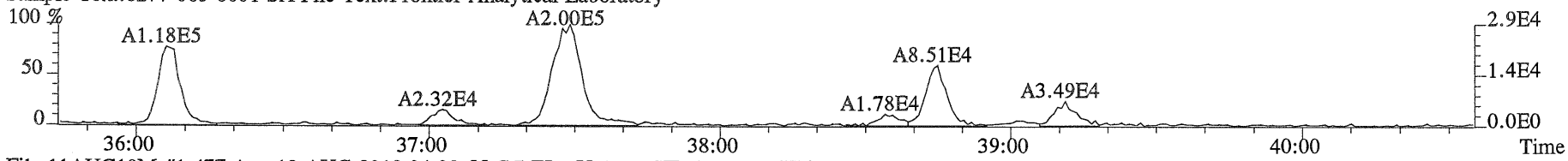
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:21 F:2 Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



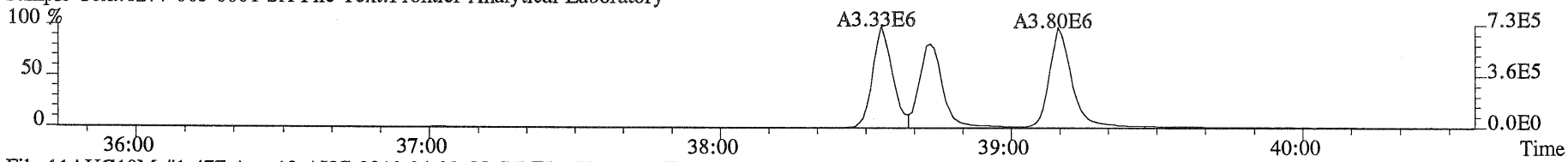
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



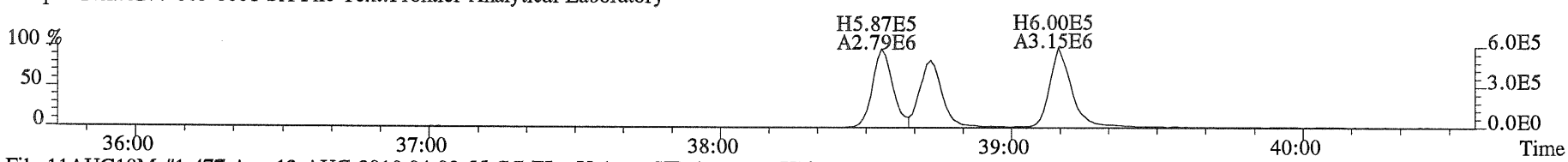
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



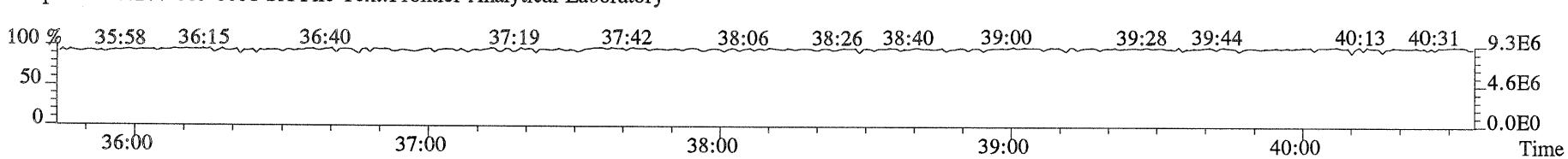
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



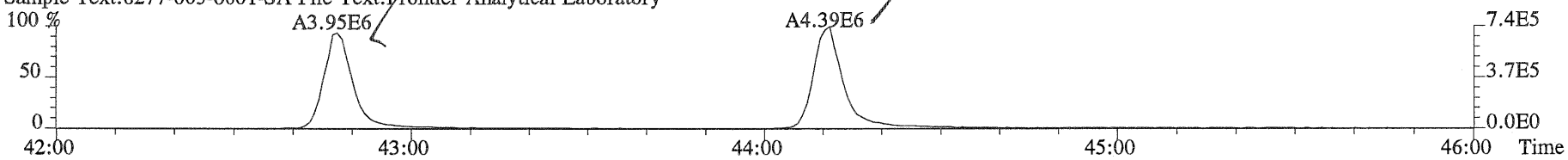
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



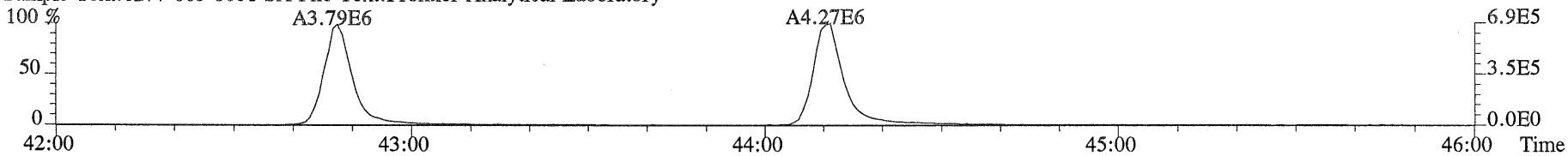
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:21 F:3 Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



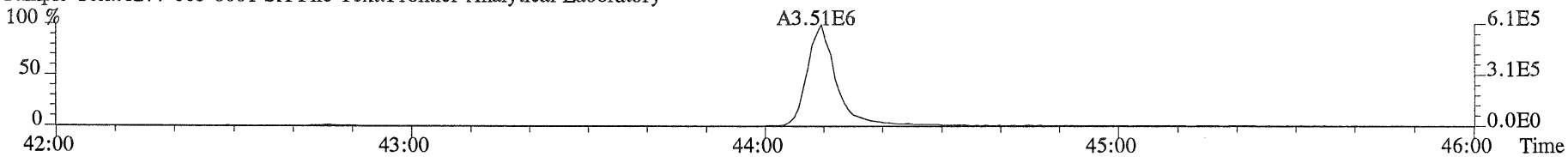
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



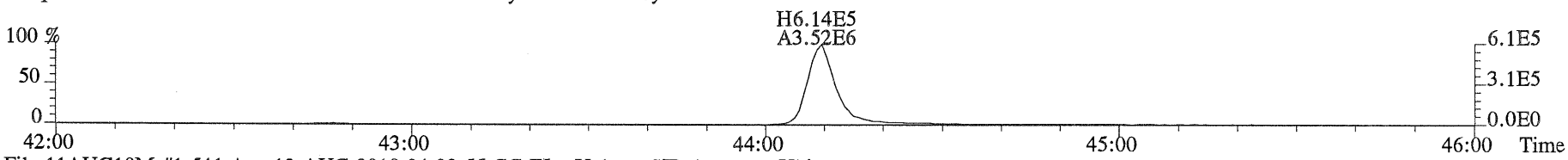
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



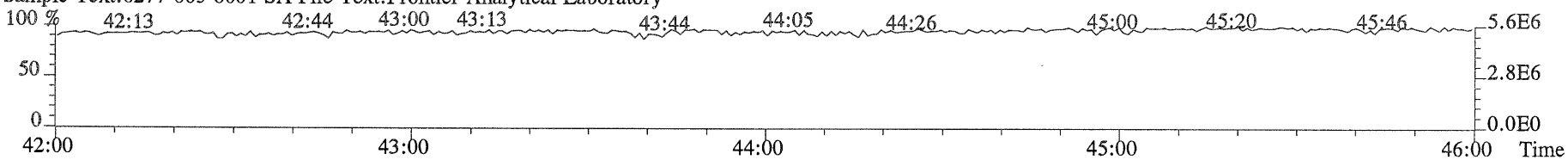
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



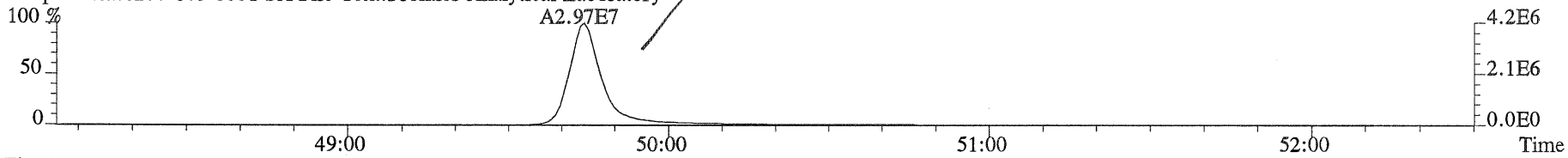
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



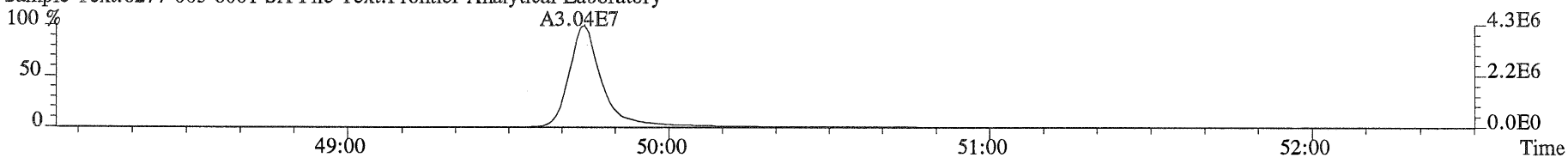
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:21 F:4 Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



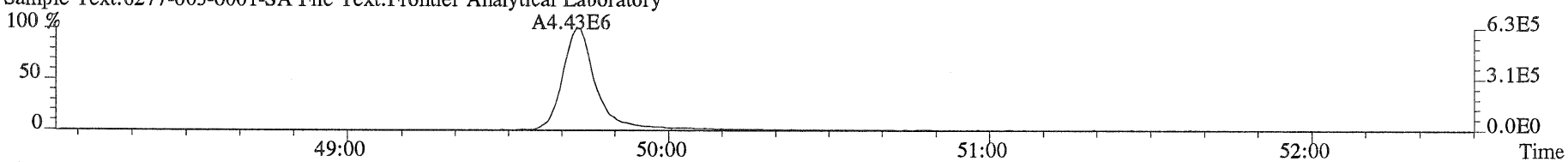
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



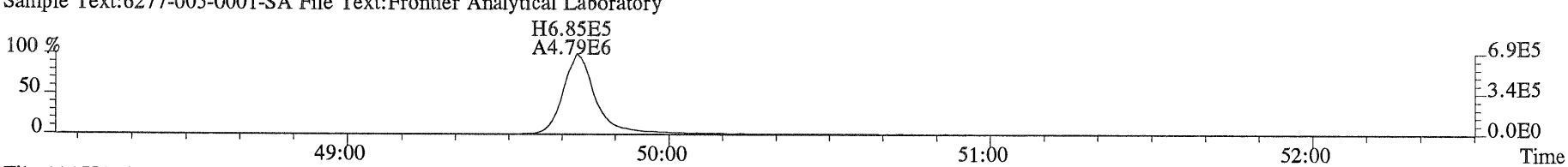
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



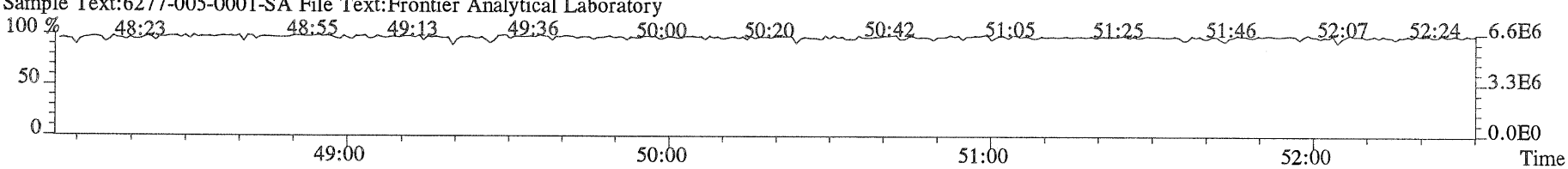
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



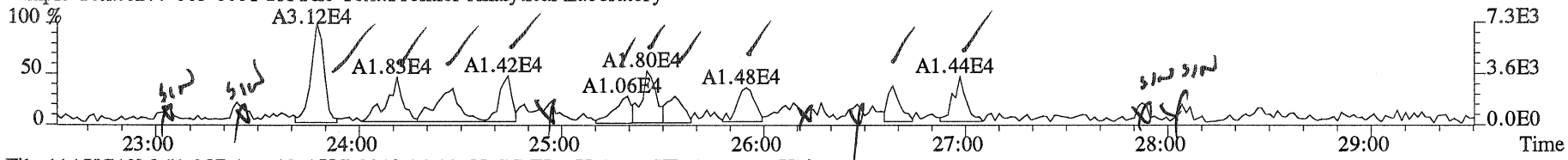
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



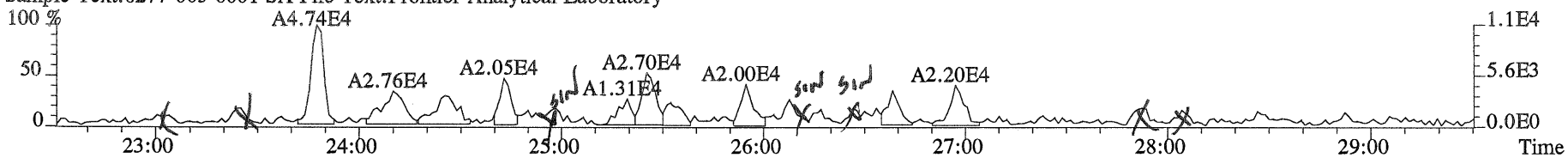
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:21 F:5 Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



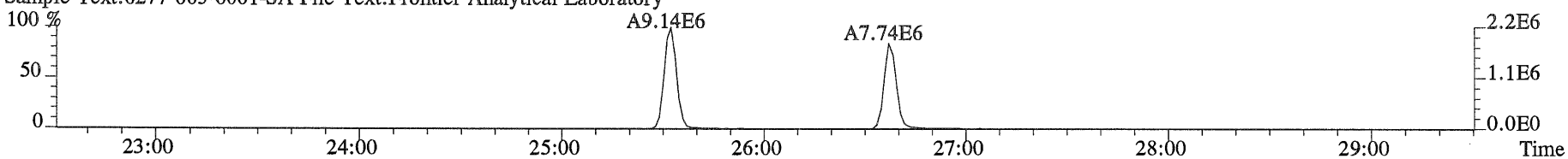
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



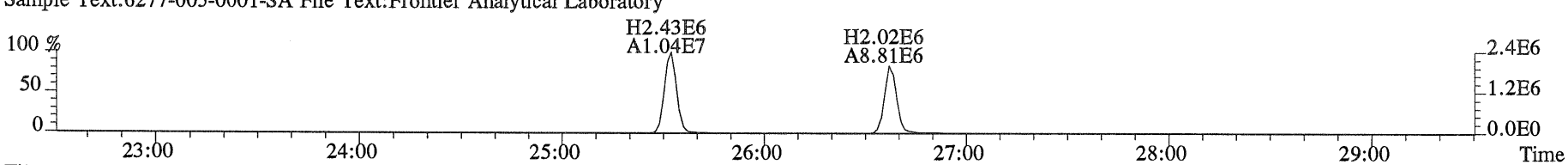
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



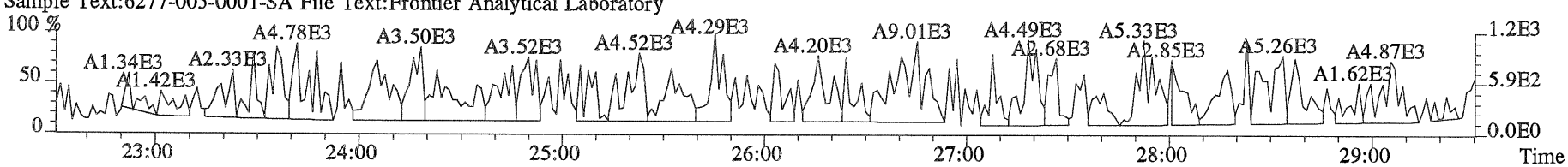
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



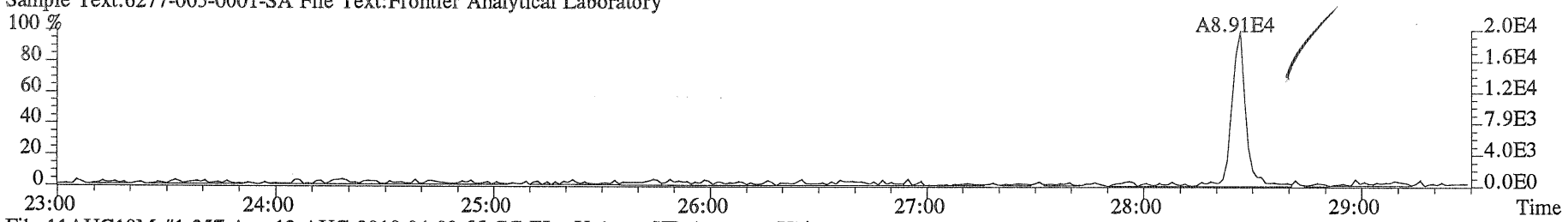
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



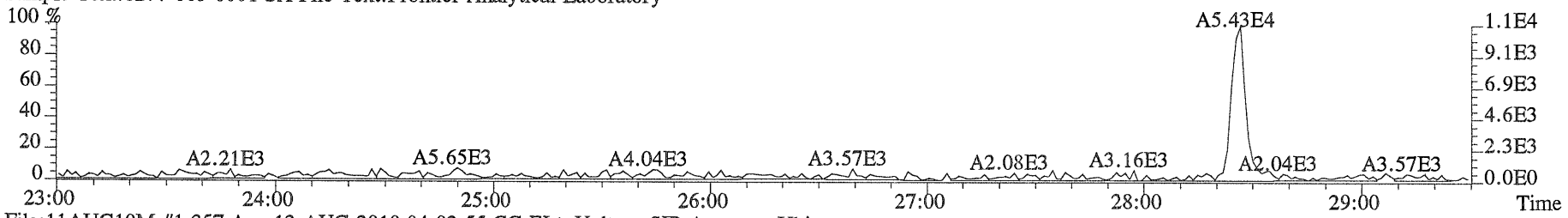
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



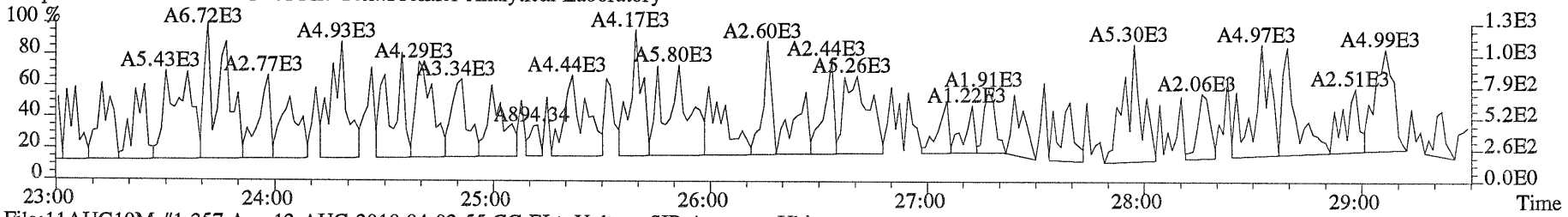
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



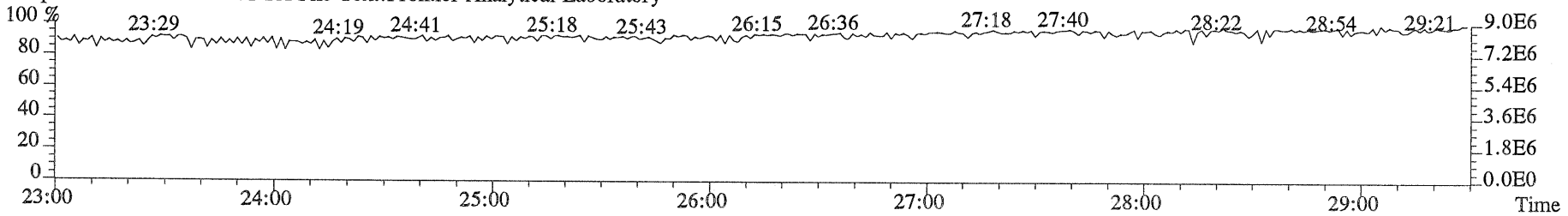
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



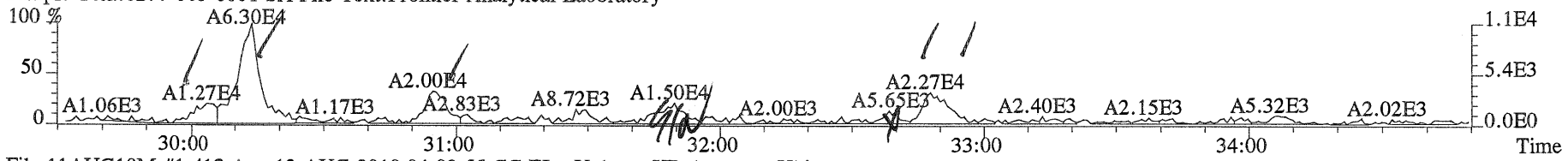
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:21 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



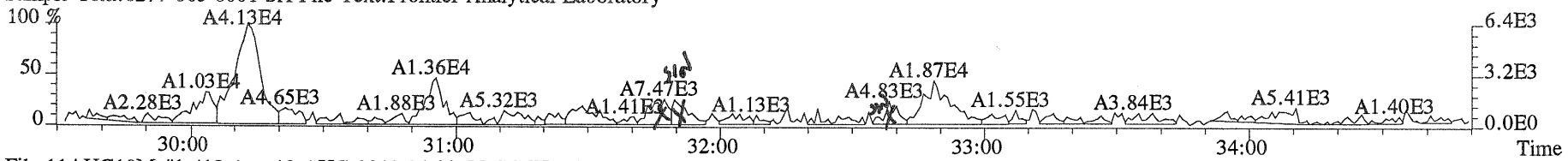
File:11AUG10M #1-357 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:21 Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



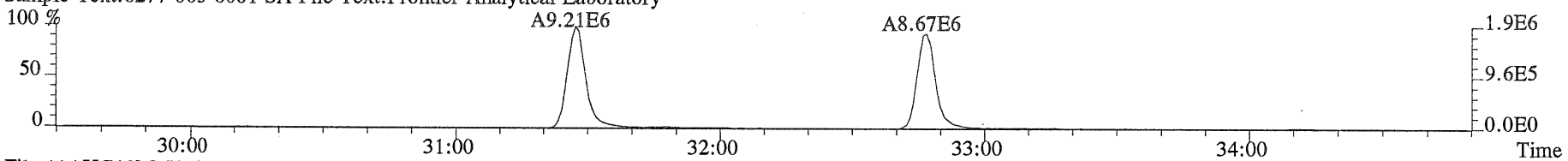
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



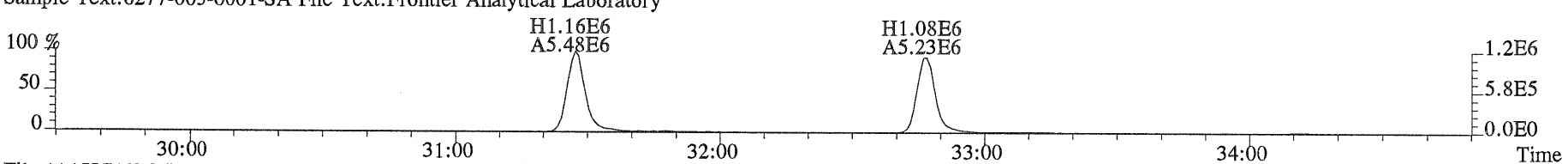
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



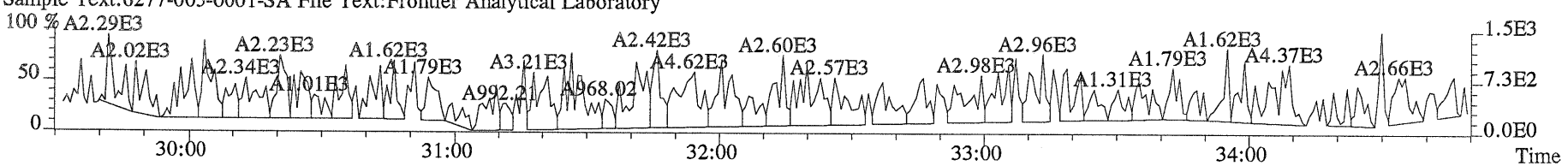
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



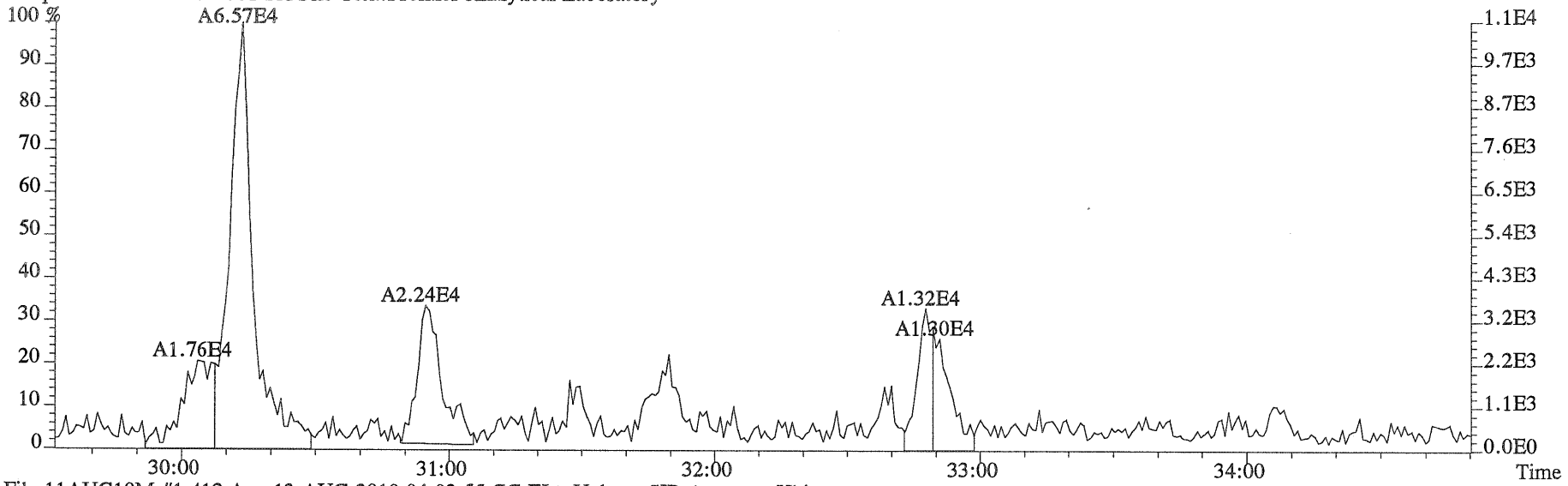
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



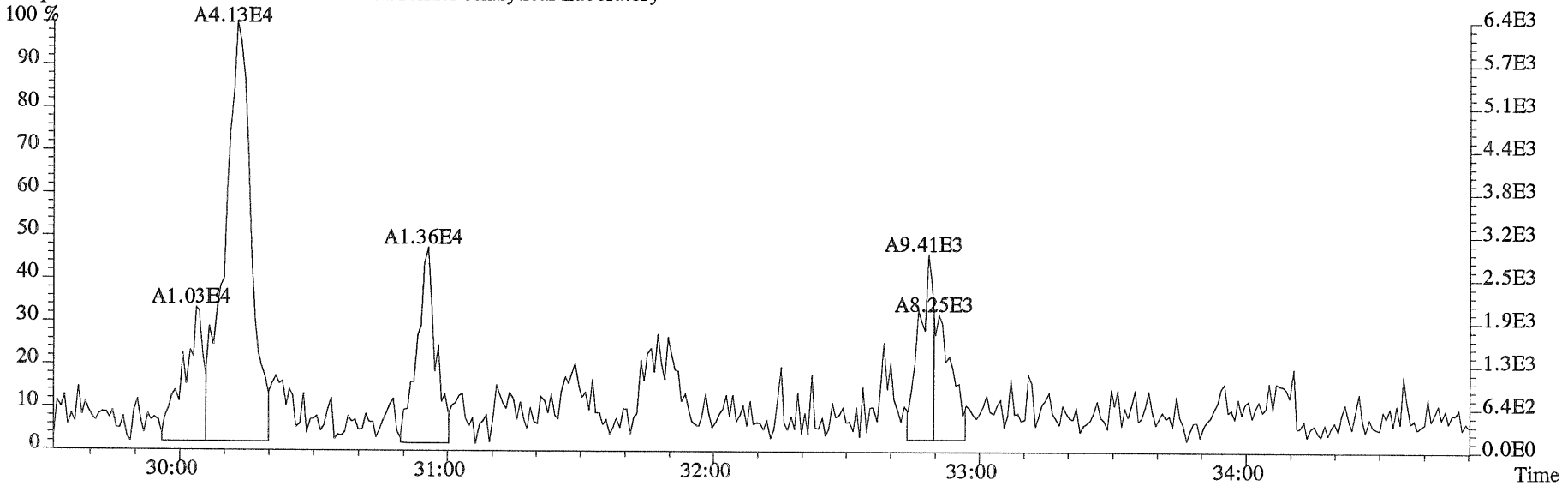
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



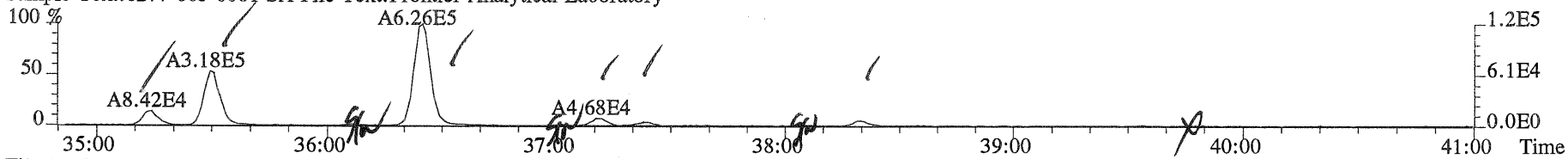
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



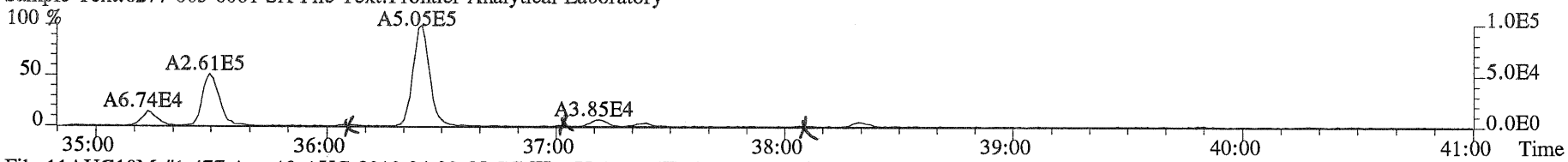
File:11AUG10M #1-412 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:21 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



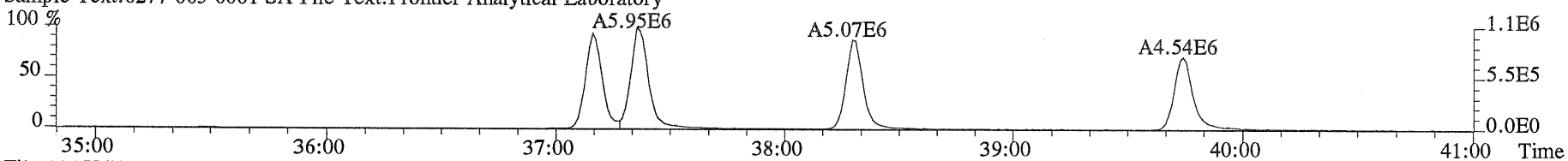
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



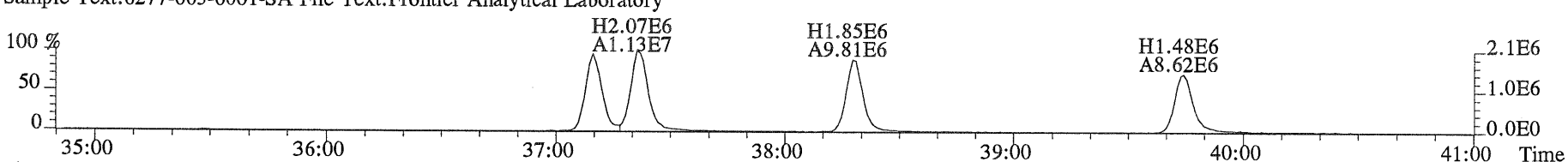
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



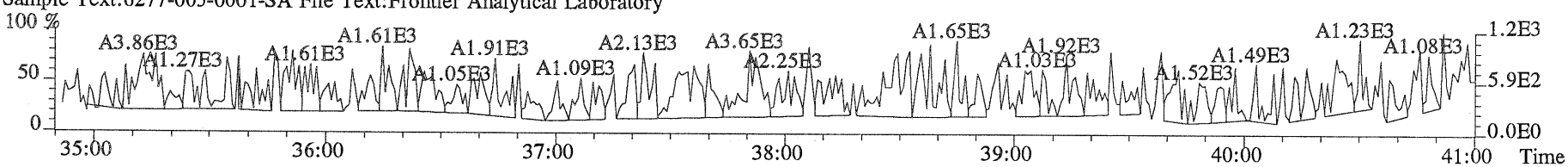
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



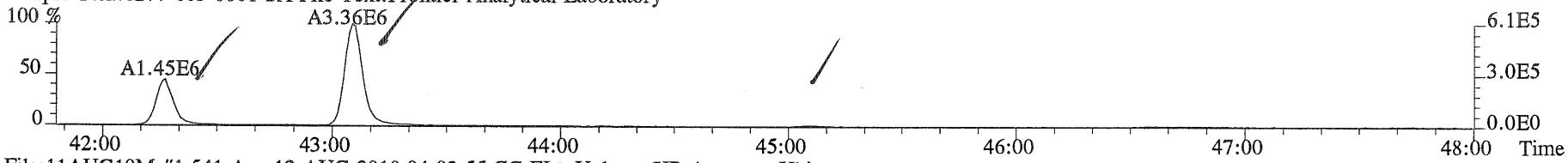
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



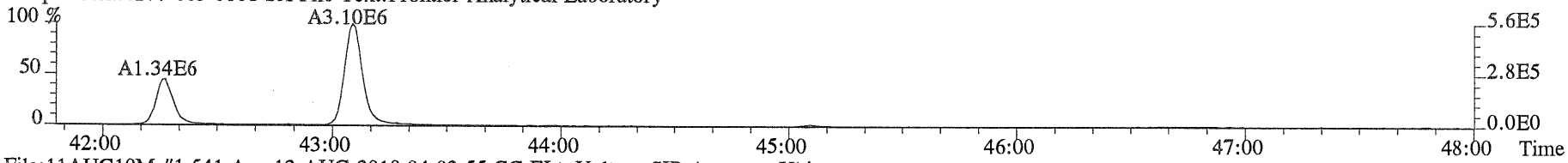
File:11AUG10M #1-477 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:21 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



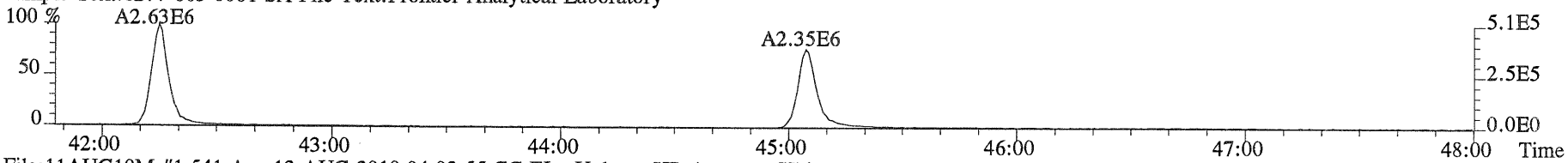
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



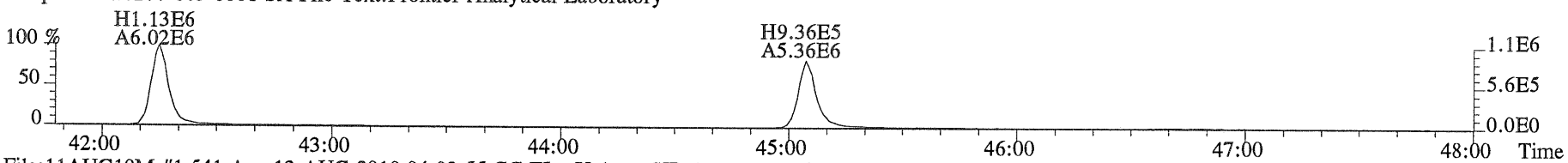
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



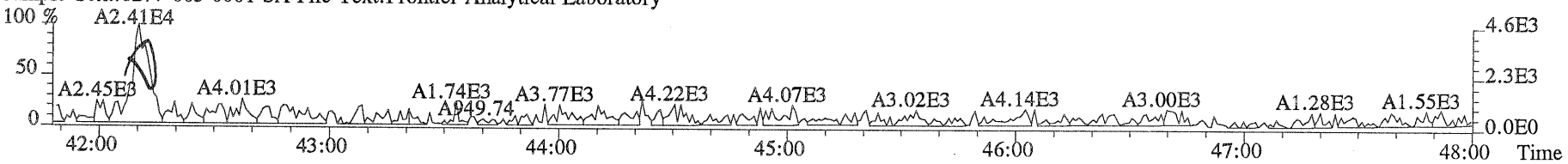
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



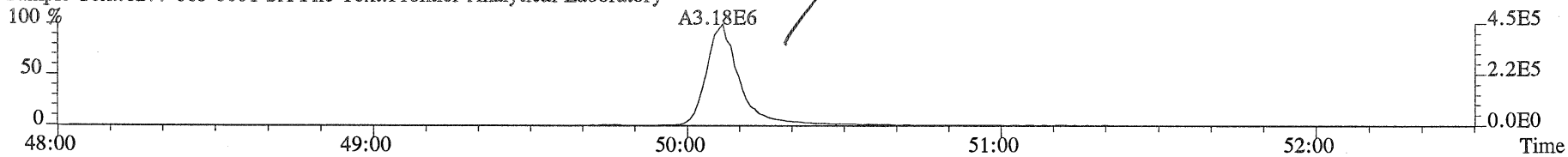
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



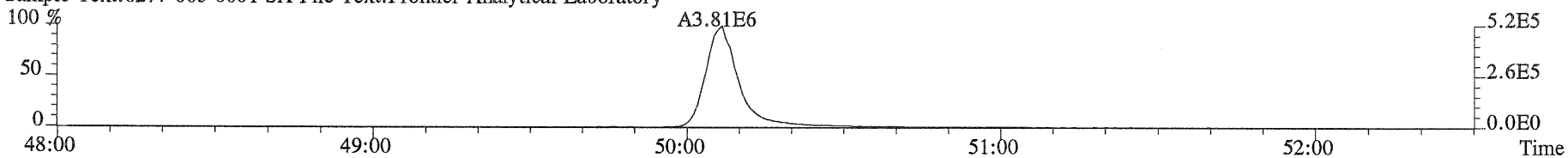
File:11AUG10M #1-541 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:21 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



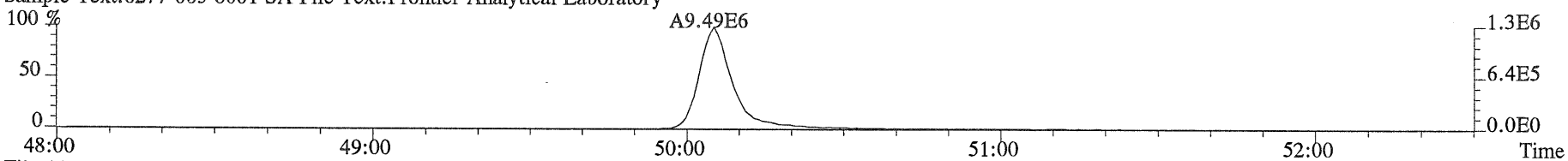
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



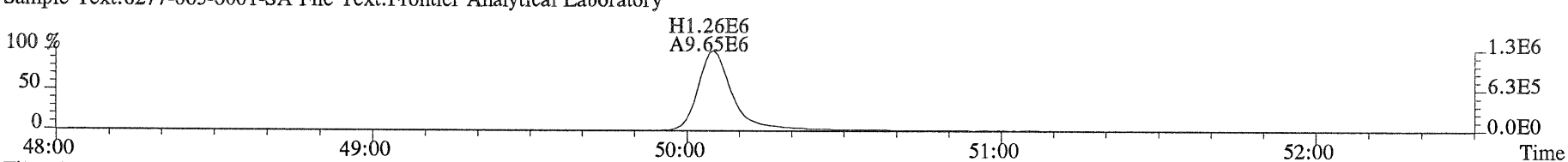
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



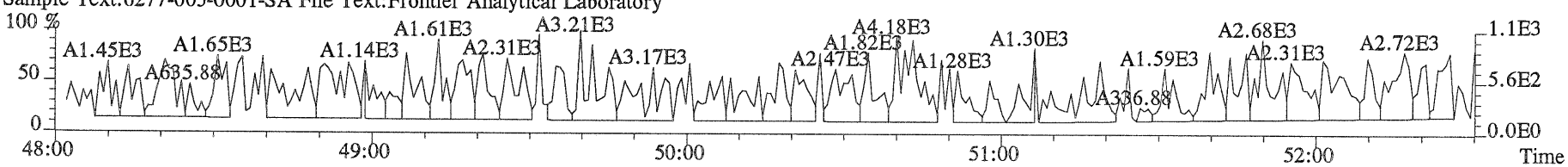
File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:12-AUG-2010 04:02:55 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:21 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-005-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6277-006-0001-SA Filename: 11AUG10M Sam:10 Acquired: 11-AUG-10 17:54:06 ICal: PCDDFAL3-5-12-10
Client ID: MW12-1.5-2-080210 ConCal: ST081110M1 EndCal: ST081110M2
Results: 6277 GC Column: DB5 Amount: 2.020 NATO 1989 Tox: 20.1
WHO 1998 Tox: 13.6 WHO 2005 Tox: 15.2

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	*	*	n	NotFnd	1.04	*		2.50	267	302	0.490
1,2,3,7,8-PeCDD	1.94e+04	1.60	y	33:13	1.05	1.50	J	2.50	-	-	*
1,2,3,4,7,8-HxCDD	3.92e+04	1.41	y	38:35	1.30	3.41	J	2.50	-	-	*
1,2,3,6,7,8-HxCDD	1.80e+05	1.38	y	38:44	1.28	17.1		2.50	-	-	*
1,2,3,7,8,9-HxCDD	9.74e+04	1.38	y	39:11	1.25	9.13	J	2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	7.19e+06	1.00	y	44:11	1.35	574		2.50	-	-	*
OCDD	5.55e+07	0.96	y	49:44	1.25	7390		2.50	-	-	*
2,3,7,8-TCDF	2.37e+04	0.66	y	26:38	1.62	0.701	J	2.50	-	-	*
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.92	*		2.50	780	678	0.976
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.94	*		2.50	780	678	0.963
1,2,3,4,7,8-HxCDF	8.40e+04	1.17	y	37:11	0.93	4.70	J	2.50	-	-	*
1,2,3,6,7,8-HxCDF	3.79e+04	1.15	y	37:24	0.84	2.06	J	2.50	-	-	*
2,3,4,6,7,8-HxCDF	5.46e+04	1.19	y	38:20	0.90	3.24	J	2.50	-	-	*
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.98	*		2.50	505	372	0.761
1,2,3,4,6,7,8-HpCDF	2.22e+06	1.05	y	42:16	1.38	150		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	6.48e+04	0.95	y	45:07	1.62	4.27	J	2.50	-	-	*
OCDF	5.38e+06	0.88	y	50:06	0.74	624		2.50	-	-	*
											Rec
13C-2,3,7,8-TCDD	1.25e+07	0.82	y	27:23	0.93	957					96.6
13C-1,2,3,7,8-PeCDD	1.23e+07	1.74	y	33:12	0.81	1080					109
13C-1,2,3,4,7,8-HxCDD	8.75e+06	1.24	y	38:34	0.95	993					100
13C-1,2,3,6,7,8-HxCDD	8.18e+06	1.23	y	38:44	1.00	882					89.1
13C-1,2,3,4,6,7,8-HpCDD	9.15e+06	1.01	y	44:09	0.92	1070					108
13C-OCDD	1.19e+07	0.96	y	49:42	0.63	2020					102
13C-2,3,7,8-TCDF	2.07e+07	0.87	y	26:38	0.87	965					97.5
13C-1,2,3,7,8-PeCDF	1.92e+07	1.66	y	31:27	0.81	962					97.1
13C-2,3,4,7,8-PeCDF	1.88e+07	1.67	y	32:47	0.75	1010					102
13C-1,2,3,4,7,8-HxCDF	1.90e+07	0.51	y	37:10	1.74	1170					119
13C-1,2,3,6,7,8-HxCDF	2.17e+07	0.51	y	37:22	2.17	1080					109
13C-2,3,4,6,7,8-HxCDF	1.86e+07	0.51	y	38:18	1.82	1100					111
13C-1,2,3,7,8,9-HxCDF	1.66e+07	0.51	y	39:45	1.49	1200					121
13C-1,2,3,4,6,7,8-HpCDF	1.06e+07	0.44	y	42:15	1.10	1040					105
13C-1,2,3,4,7,8,9-HpCDF	9.23e+06	0.43	y	45:05	0.81	1220					123
13C-OCDF	2.31e+07	0.97	y	50:05	1.19	2090					105
37Cl-2,3,7,8-TCDD	5.02e+06			27:24	0.93	384					96.9
13C-1,2,3,4-TCDD	1.39e+07	0.85	y	26:47	-	20.3					
13C-1,2,3,4-TCDF	2.45e+07	0.87	y	25:32	-	22.8					
13C-1,2,3,7,8,9-HxCDD	9.23e+06	1.21	y	39:10	-	21.2					

								Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	*			NotFnd	1.04	*		2.50	607	547	0.993		0
Total Penta-Dioxins	1.26e+05			30:15	1.05	9.73	J	2.50	-	-	*		5
Total Hexa-Dioxins	1.15e+06			36:07	1.27	106		2.50	-	-	*		6
Total Hepta-Dioxins	1.42e+07			42:48	1.35	1130		2.50	-	-	*		2
Total Tetra-Furans	3.53e+05			23:47	1.62	10.4		2.50	-	-	*		7
1st Fn. Tot Penta-Furans	1.43e+05			28:26	0.93	8.03		2.50	-	-	*	PeCDF	1
Total Penta-Furans	1.46e+05			30:14	0.93	8.17		2.50	-	-	*	16.2	2
Total Hexa-Furans	1.77e+06			35:15	0.90	102		2.50	-	-	*		6
Total Hepta-Furans	7.25e+06			42:16	1.48	489		2.50	-	-	*		3

Analyst: _____ Date: 8/12/10

Totals class: Total Penta-Dioxins Entry #: 39

Run: 15 File: 11AUG10M S: 10 I: 1 F: 2
Acquired: 11-AUG-10 17:54:06

Total Concentration: 9.73 Unnamed Concentration: 8.239

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
30:15	2.54e+04	1.77e+04	1.43	y	4.31e+04	3.32	
31:28	1.46e+04	9.65e+03	1.52	y	2.43e+04	1.87	
31:41	1.35e+04	8.66e+03	1.56	y	2.21e+04	1.70	
31:49	1.08e+04	6.68e+03	1.62	y	1.75e+04	1.35	
33:13	1.19e+04	7.47e+03	1.60	y	1.94e+04	1.50	1,2,3,7,8-PeCDD

Totals class: Total Hexa-Dioxins Entry #: 40

Run: 15 File: 11AUG10M S: 10 I: 1 F: 3
Acquired: 11-AUG-10 17:54:06

Total Concentration: 106 Unnamed Concentration: 76.655

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:07	1.60e+05	1.16e+05	1.38 y	2.76e+05	25.3	
37:04	3.59e+04	2.67e+04	1.35 y	6.26e+04	5.75	
37:29	2.89e+05	2.08e+05	1.38 y	4.97e+05	45.6	
38:35	2.29e+04	1.63e+04	1.41 y	3.92e+04	3.41	1,2,3,4,7,8-HxCDD
38:44	1.04e+05	7.57e+04	1.38 y	1.80e+05	17.1	1,2,3,6,7,8-HxCDD
39:11	5.64e+04	4.10e+04	1.38 y	9.74e+04	9.13	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 15 File: 11AUG10M S: 10 I: 1 F: 4
Acquired: 11-AUG-10 17:54:06

Total Concentration: 1130 Unnamed Concentration: 558.490

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:48	3.52e+06	3.48e+06	1.01 y	6.99e+06	558	
44:11	3.60e+06	3.59e+06	1.00 y	7.19e+06	574	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans Entry #: 42

Run: 15 File: 11AUG10M S: 10 I: 1 F: 1
Acquired: 11-AUG-10 17:54:06

Total Concentration: 10.4 Unnamed Concentration: 9.718

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
23:47	3.52e+04	5.00e+04	0.70	y	8.52e+04	2.51	
24:11	2.85e+04	3.36e+04	0.85	y	6.21e+04	1.83	
24:25	2.29e+04	2.90e+04	0.79	y	5.19e+04	1.53	
24:43	2.05e+04	3.03e+04	0.68	y	5.08e+04	1.50	
25:26	1.85e+04	2.53e+04	0.73	y	4.39e+04	1.29	
26:38	9.48e+03	1.43e+04	0.66	y	2.37e+04	0.701	2,3,7,8-TCDF
26:58	1.51e+04	2.04e+04	0.74	y	3.55e+04	1.05	

Totals class: 1st Fn. Tot Penta-Furans Entry #: 43

Run: 15 File: 11AUG10M S: 10 I: 1 F: 1
Acquired: 11-AUG-10 17:54:06

Total Concentration: 8.03 Unnamed Concentration: 8.032

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:26	8.79e+04	5.54e+04	1.59 y	1.43e+05	8.03	

Totals class: Total Penta-Furans Entry #: 44

Run: 15 File: 11AUG10M S: 10 I: 1 F: 2
Acquired: 11-AUG-10 17:54:06

Total Concentration: 8.17 Unnamed Concentration: 8.168

RT	ml Resp	m2 Resp	RA		Resp	Concentration	Name
30:14	6.32e+04	4.46e+04	1.42	y	1.08e+05	6.04	
30:55	2.20e+04	1.59e+04	1.38	y	3.79e+04	2.12	

Totals class: Total Hexa-Furans Entry #: 45

Run: 15 File: 11AUG10M S: 10 I: 1 F: 3
Acquired: 11-AUG-10 17:54:06

Total Concentration: 102 Unnamed Concentration: 91.978

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:15	7.41e+04	6.39e+04	1.16 y	1.38e+05	7.94	
35:30	2.83e+05	2.37e+05	1.19 y	5.21e+05	30.0	
36:25	5.18e+05	4.20e+05	1.23 y	9.39e+05	54.0	
37:11	4.54e+04	3.86e+04	1.17 y	8.40e+04	4.70	1,2,3,4,7,8-HxCDF
37:24	2.03e+04	1.76e+04	1.15 y	3.79e+04	2.06	1,2,3,6,7,8-HxCDF
38:20	2.97e+04	2.49e+04	1.19 y	5.46e+04	3.24	2,3,4,6,7,8-HxCDF

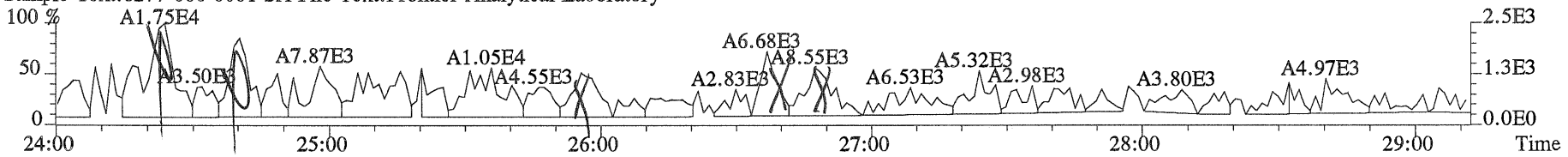
Totals class: Total Hepta-Furans Entry #: 46

Run: 15 File: 11AUG10M S: 10 I: 1 F: 4
Acquired: 11-AUG-10 17:54:06

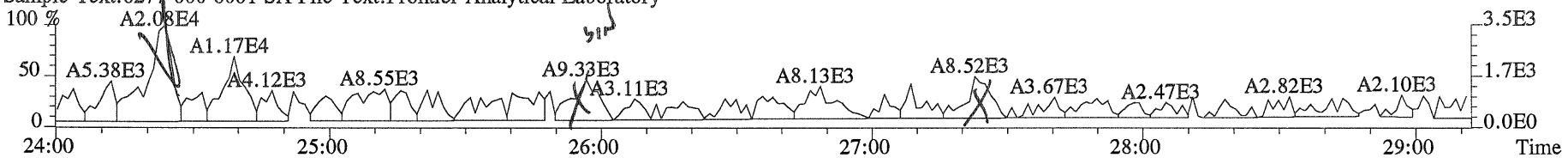
Total Concentration: 489 Unnamed Concentration: 334.328

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:16	1.13e+06	1.08e+06	1.05 y	2.22e+06	150	1,2,3,4,6,7,8-HpCDF
43:06	2.57e+06	2.40e+06	1.07 y	4.97e+06	334	
45:07	3.15e+04	3.32e+04	0.95 y	6.48e+04	4.27	1,2,3,4,7,8,9-HpCDF

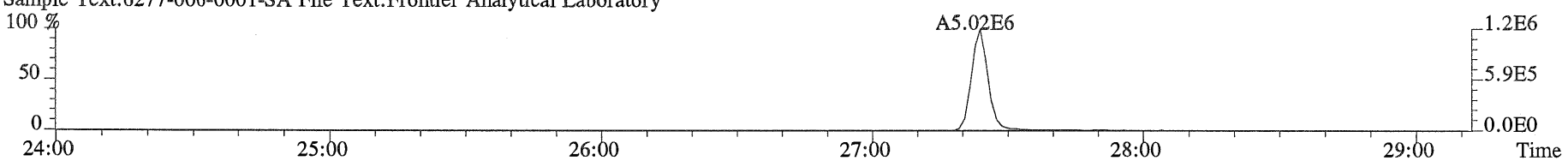
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



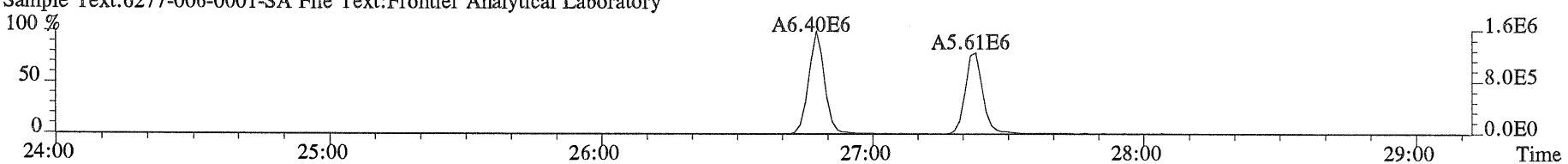
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



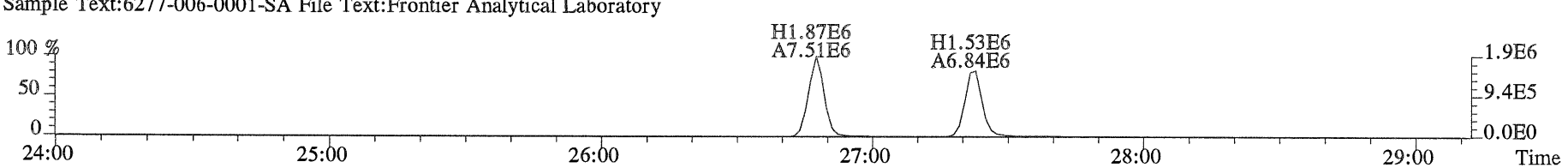
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



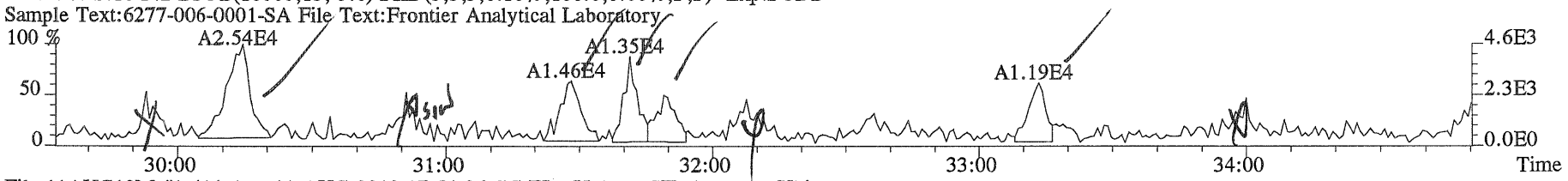
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



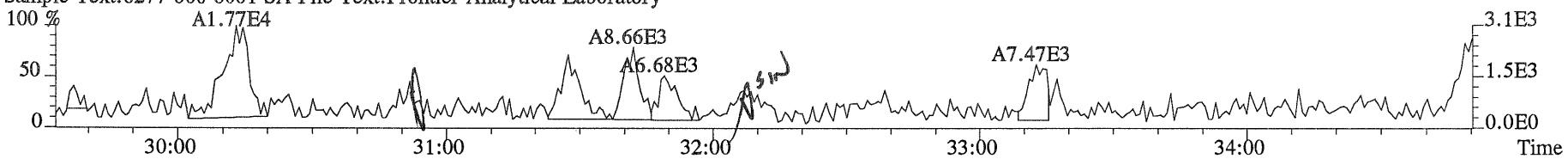
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



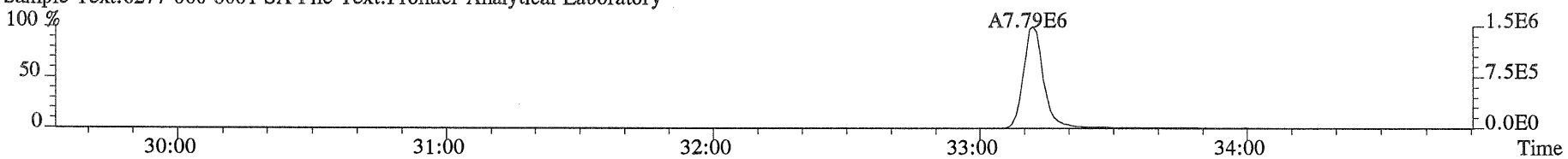
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



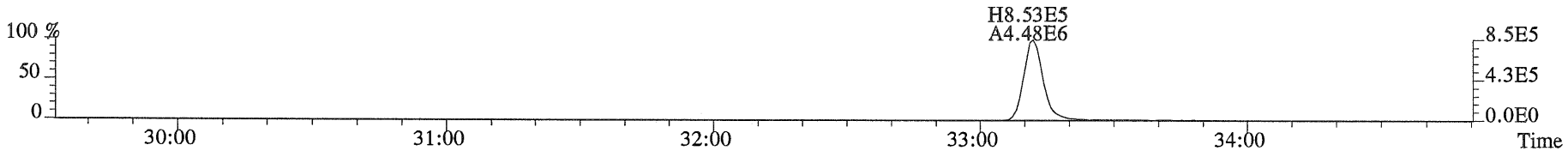
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



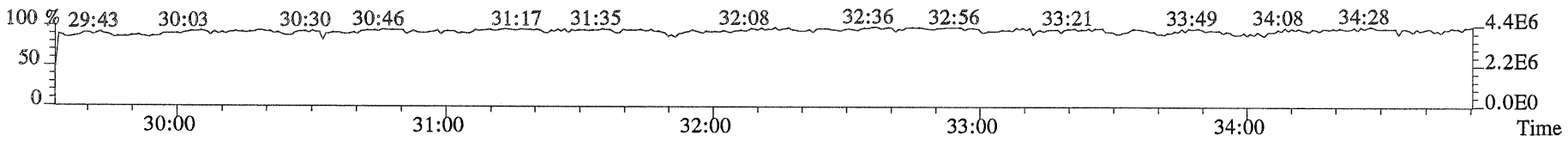
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



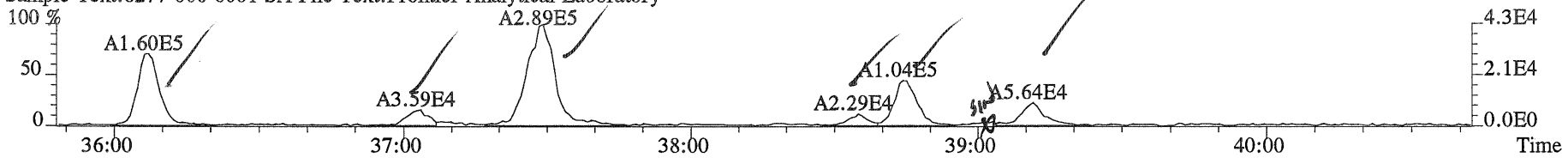
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



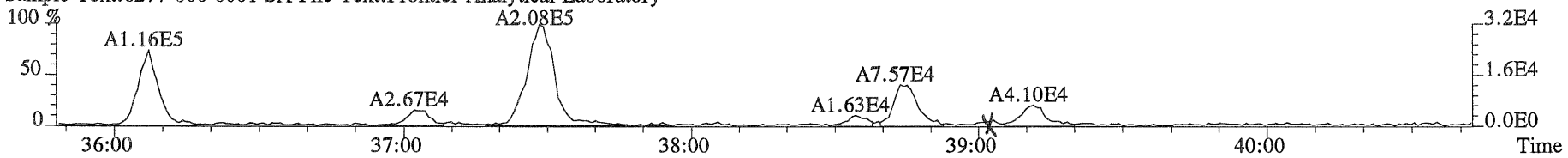
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:10 F:2 Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



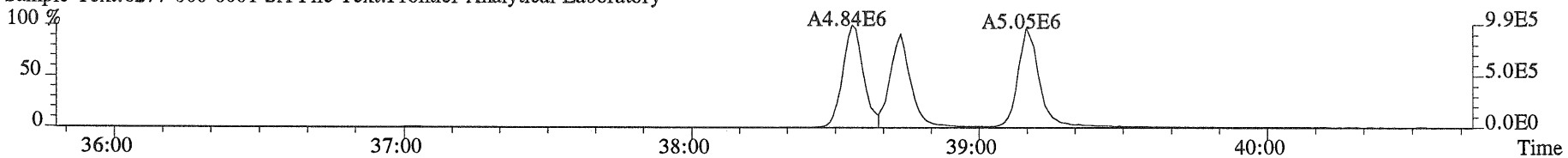
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



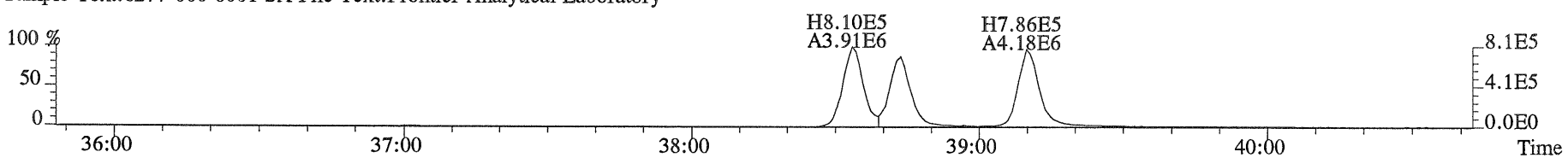
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



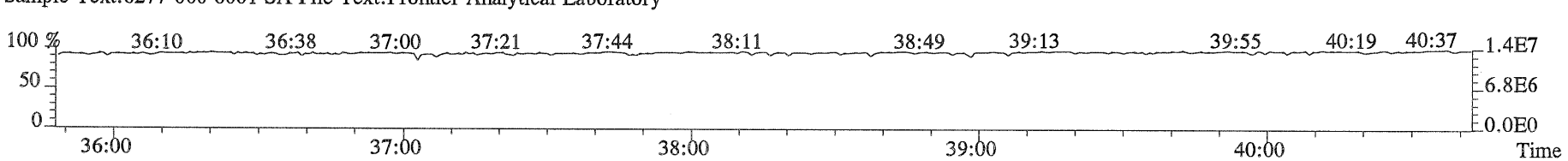
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



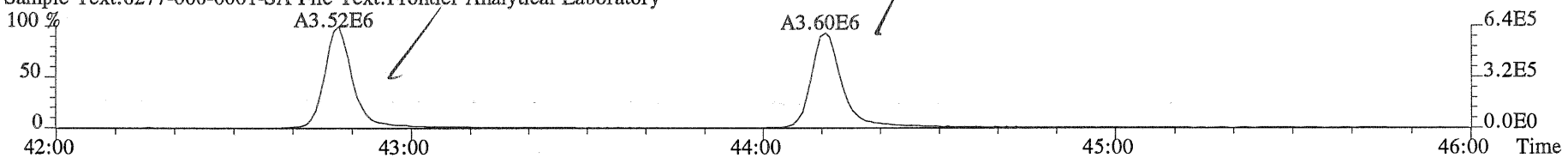
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



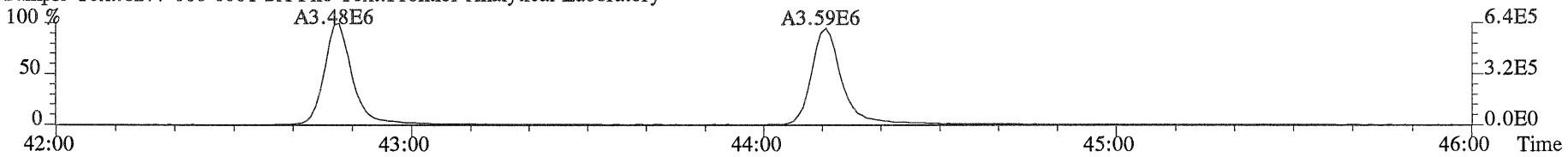
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:10 F:3 Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



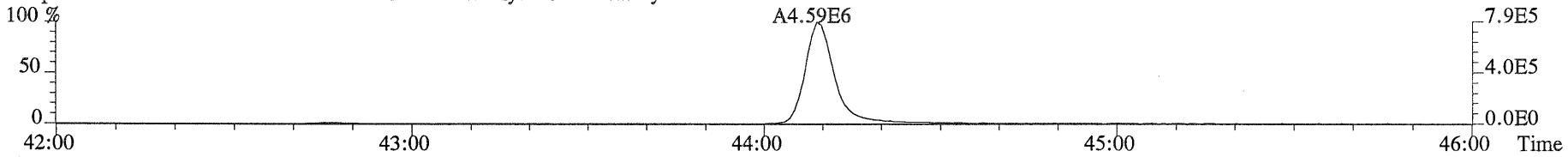
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



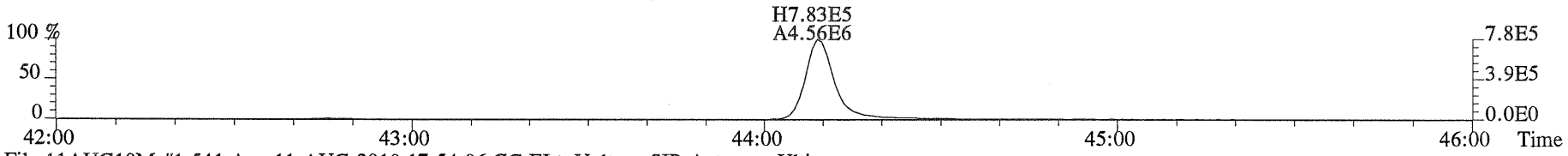
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



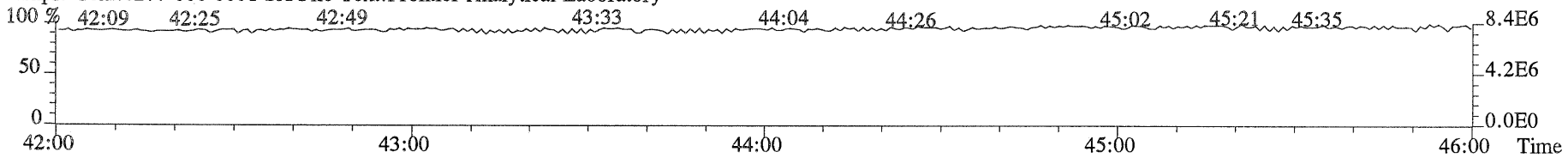
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



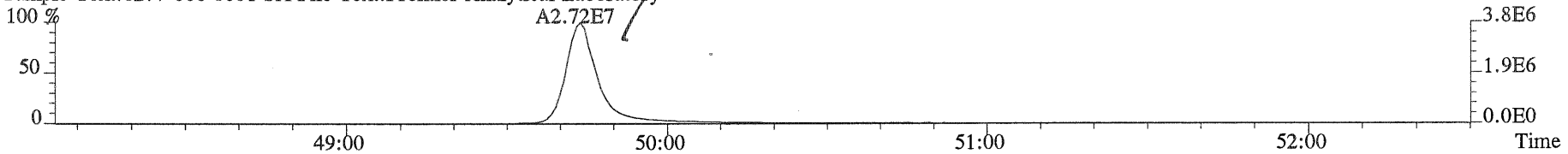
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



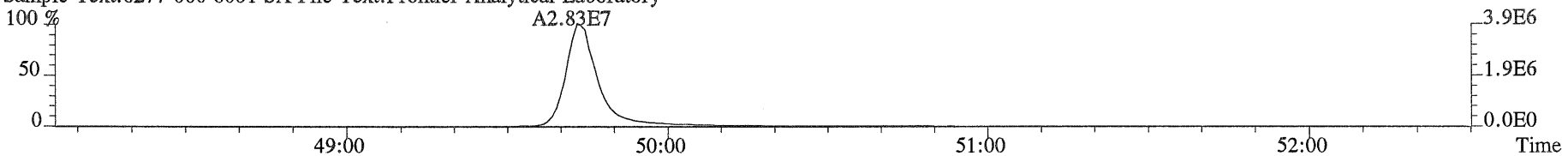
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:10 F:4 Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



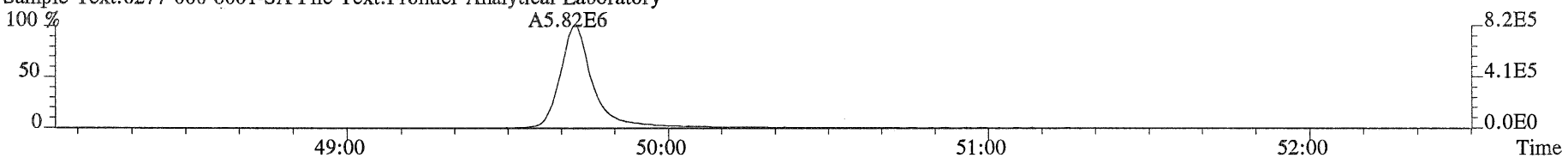
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



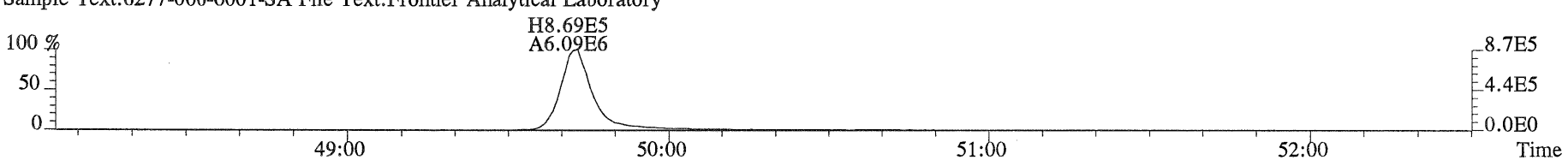
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



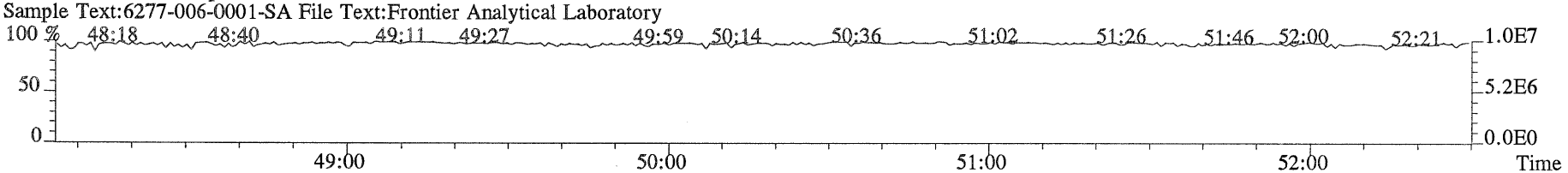
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



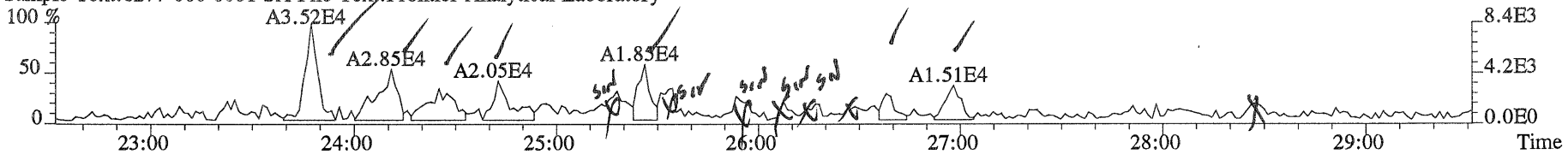
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



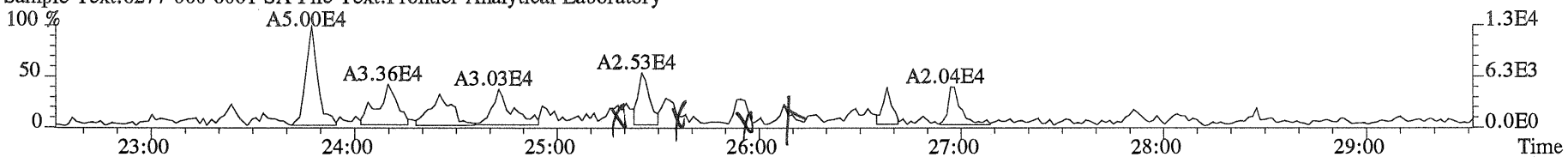
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:10 F:5 Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



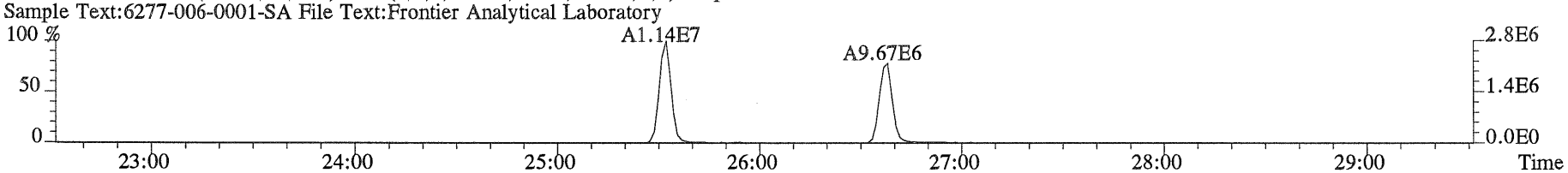
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



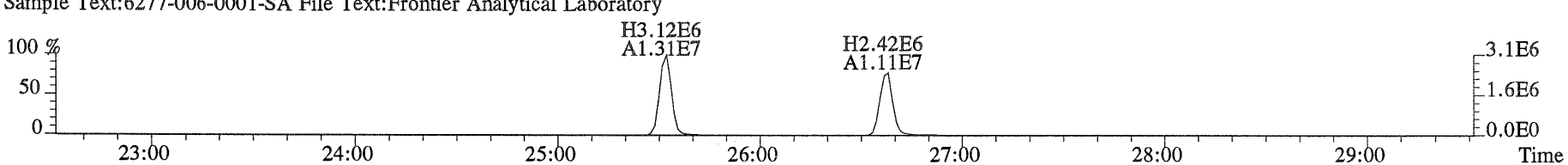
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



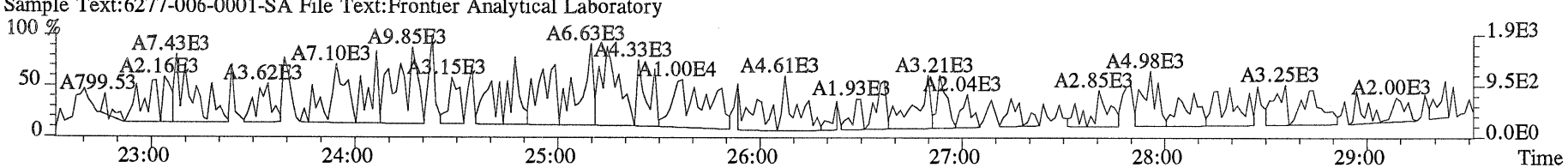
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



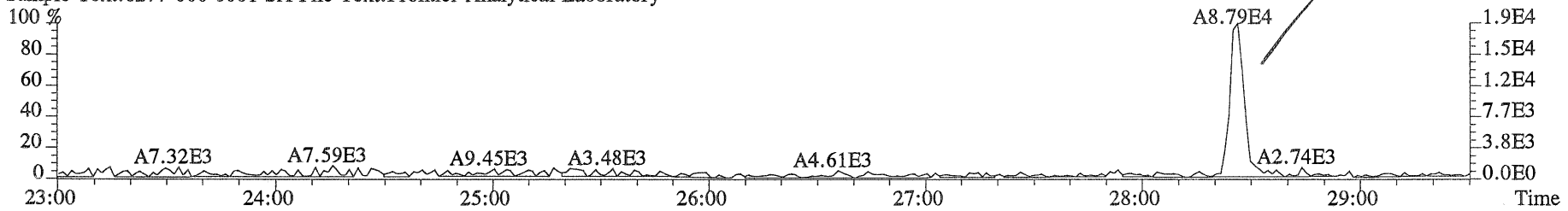
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



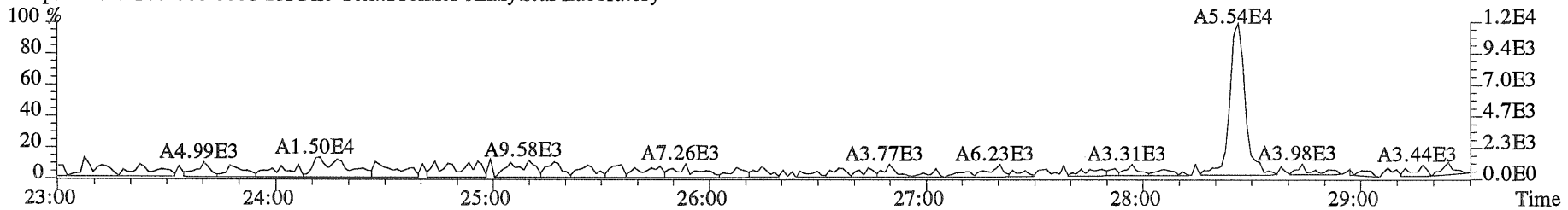
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



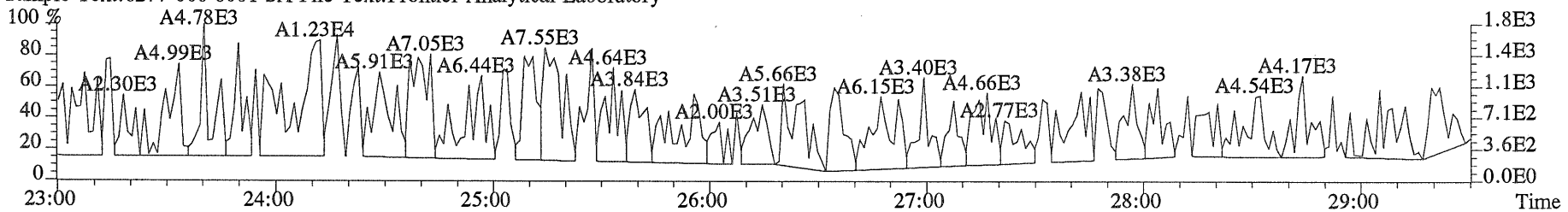
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



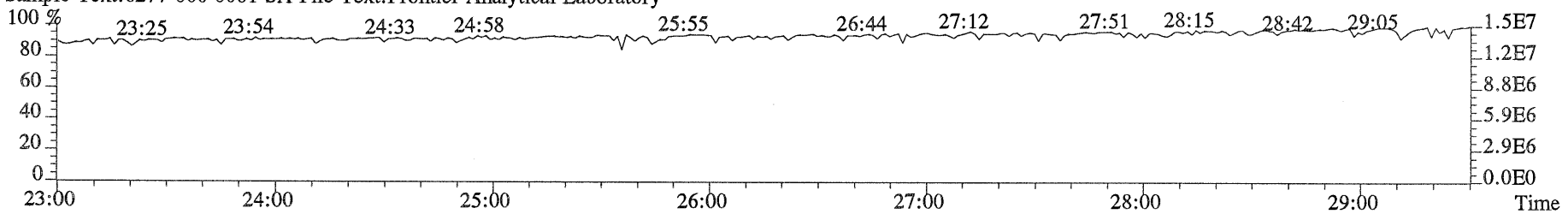
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



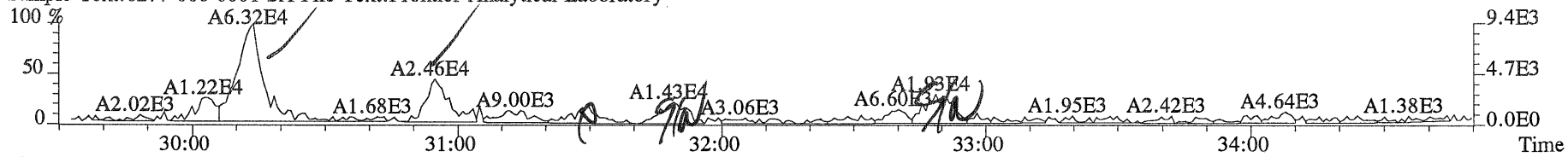
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



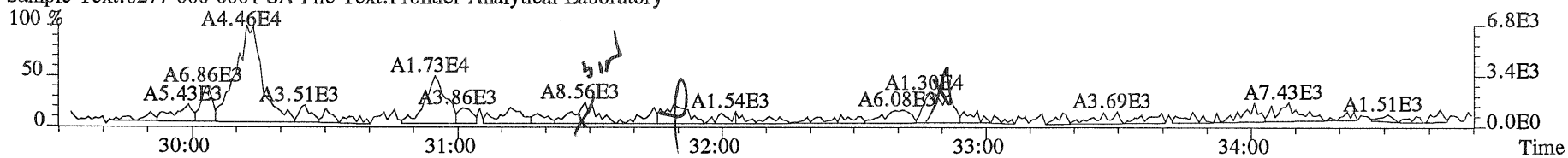
File:11AUG10M #1-357 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:10 Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



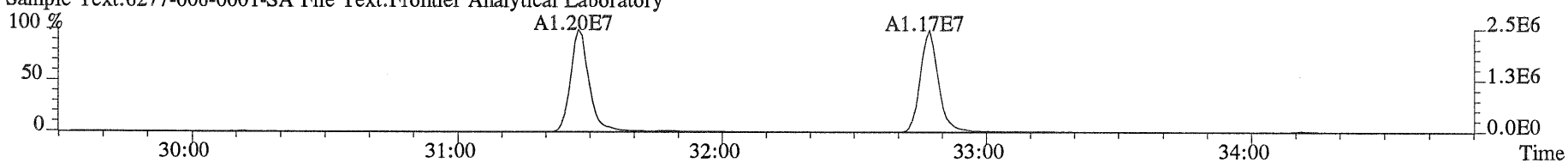
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



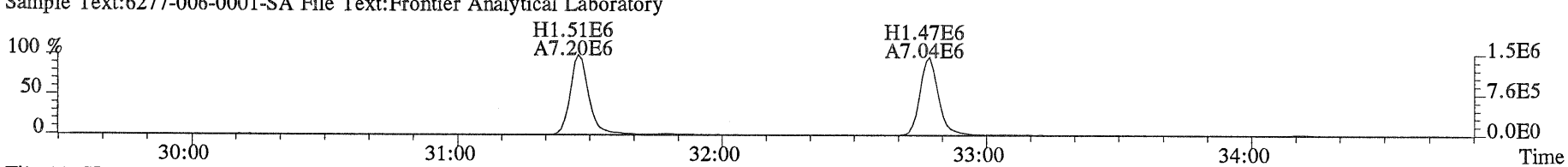
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



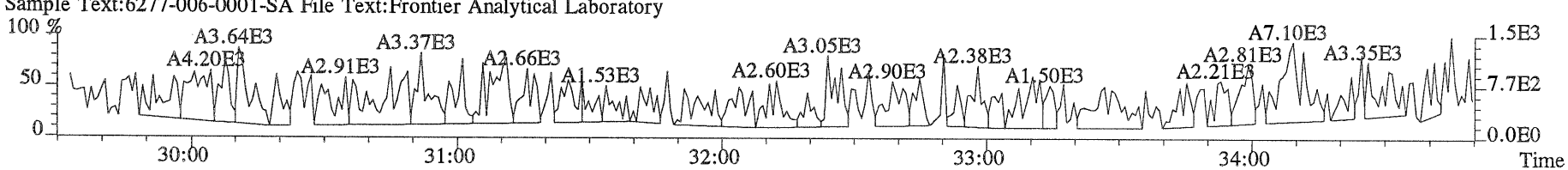
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



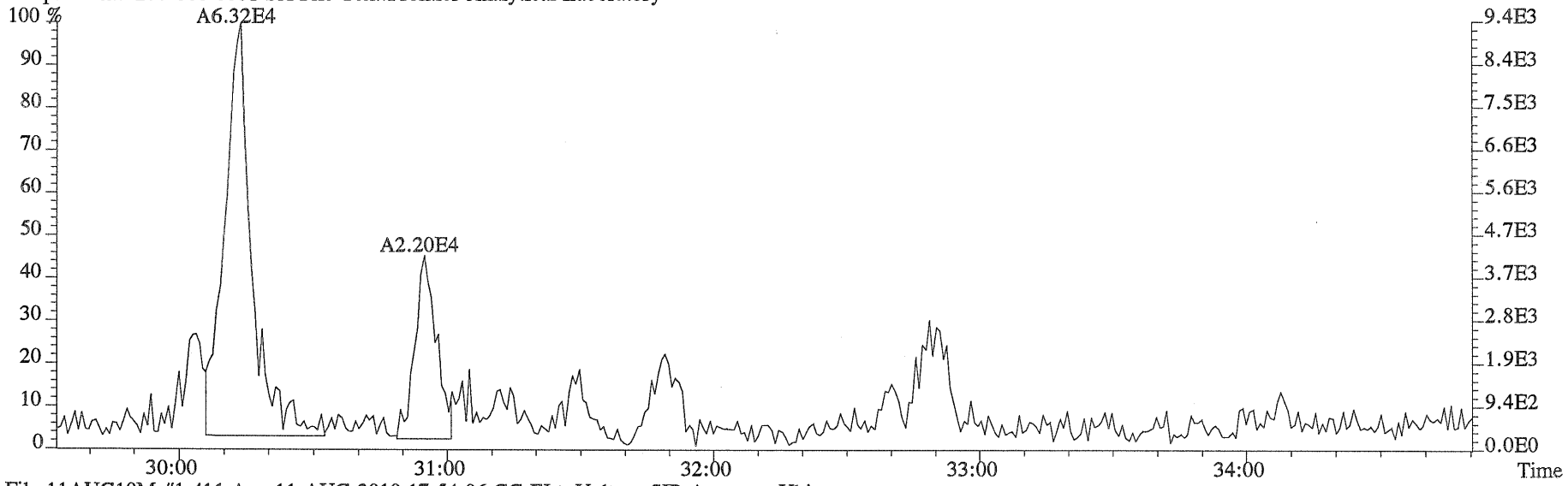
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



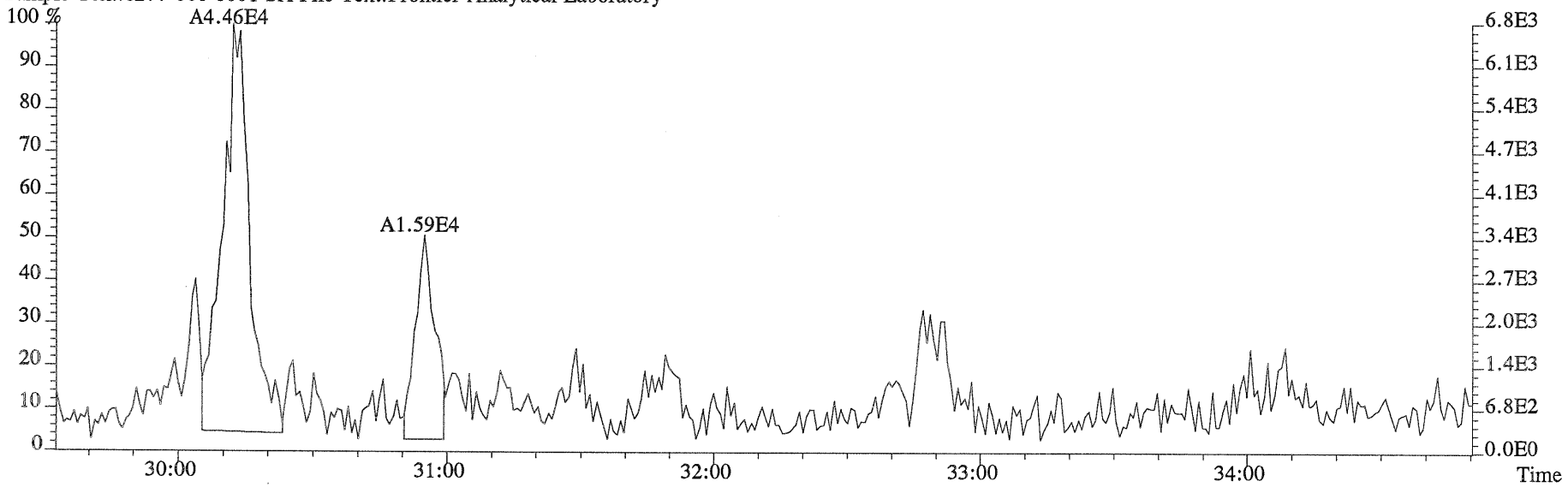
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



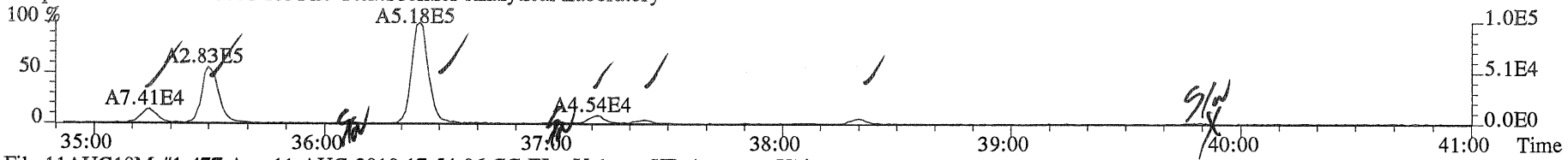
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



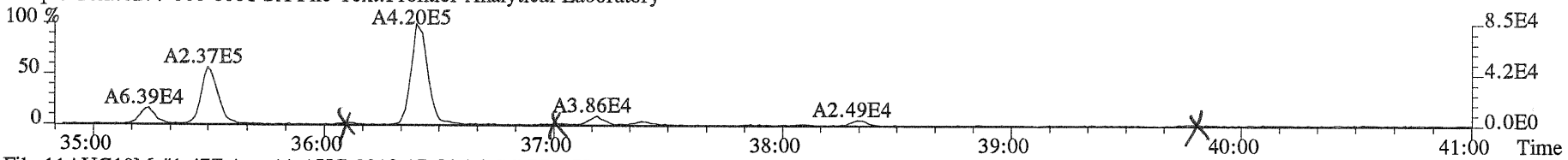
File:11AUG10M #1-411 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



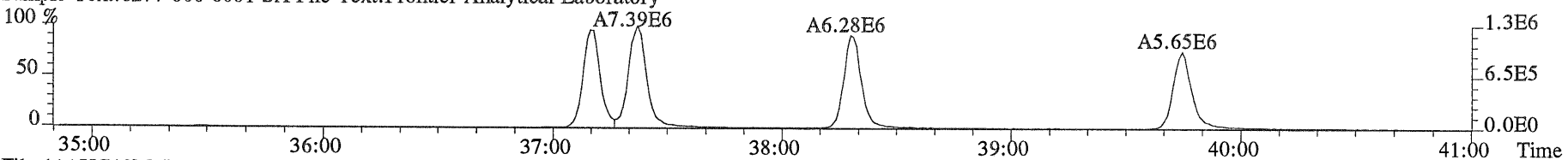
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



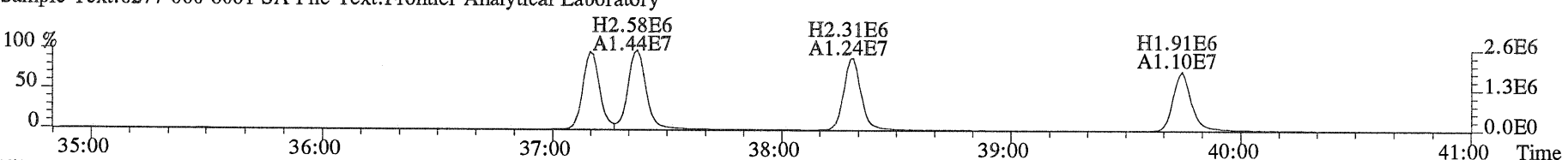
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



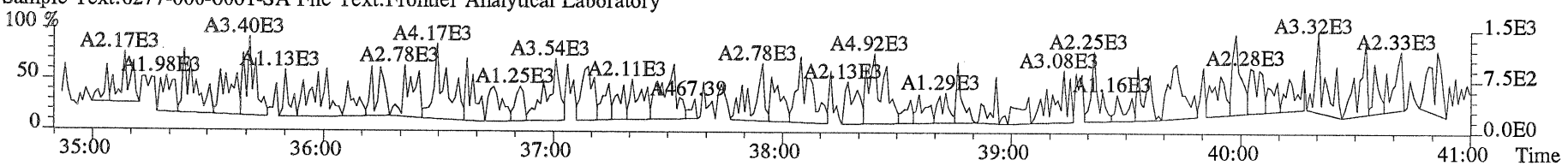
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



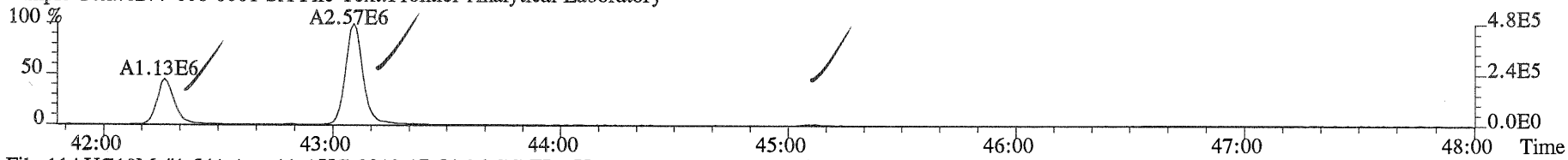
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



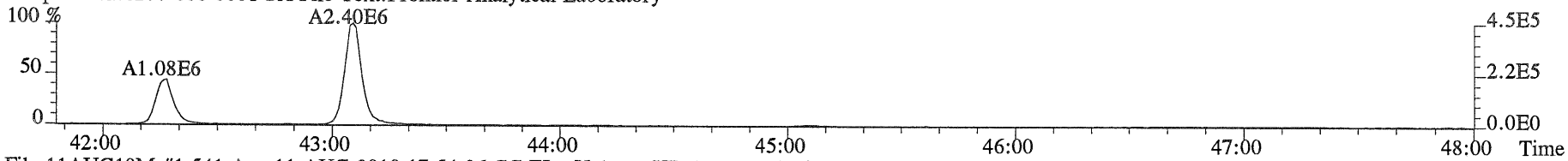
File:11AUG10M #1-477 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



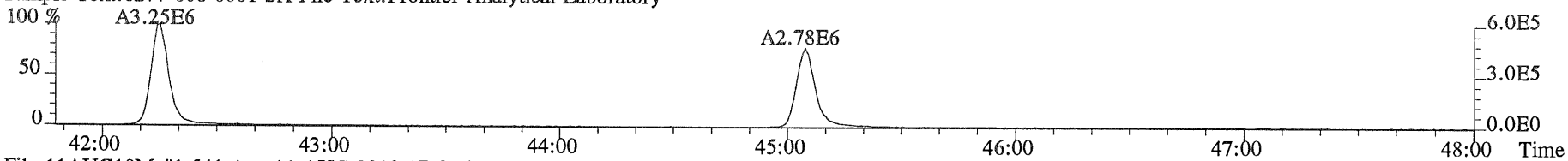
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



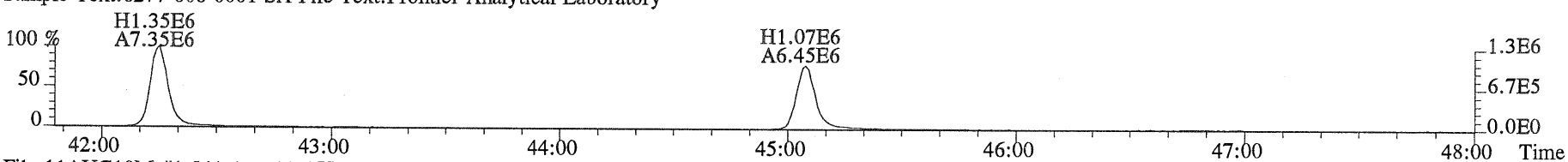
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



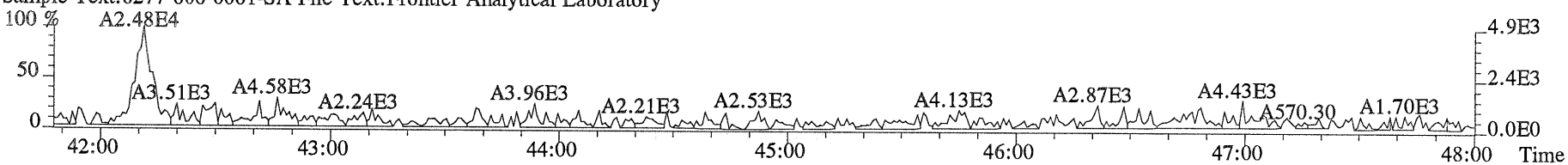
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



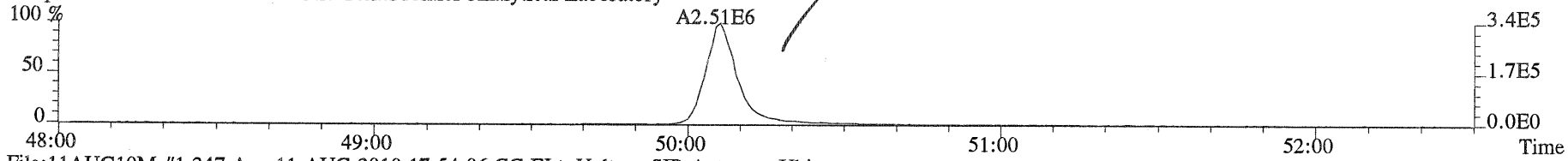
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



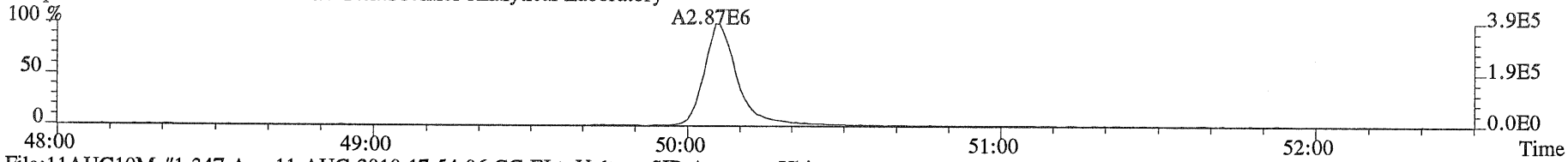
File:11AUG10M #1-541 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



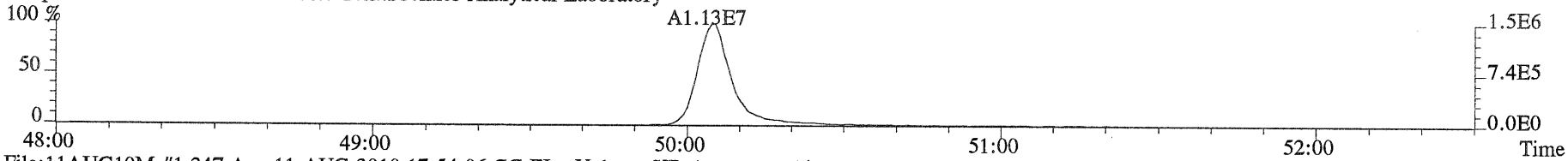
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



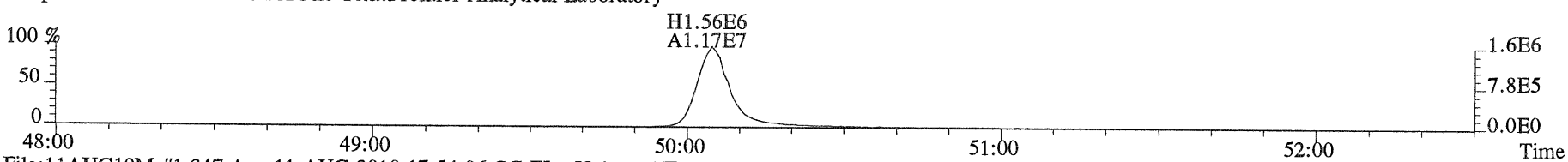
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



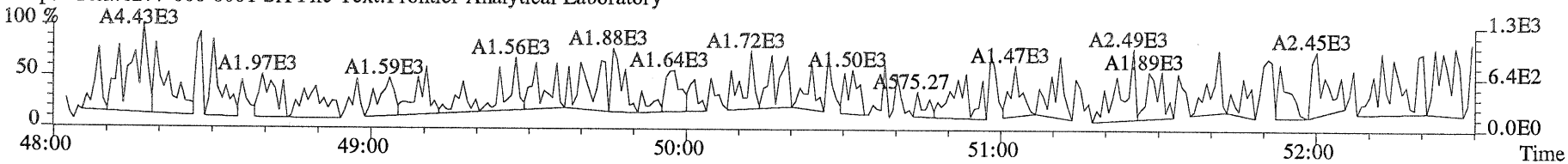
File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



File:11AUG10M #1-347 Acq:11-AUG-2010 17:54:06 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6277-006-0001-SA File Text:Frontier Analytical Laboratory



Frontier Analytical Laboratory

Analyte: PCDDFAL3-5-12-10 Cal: PCDDFAL3-5-12-10 Data Filename: 12MAY10M

Name	RRF	S. D.	%RSD	S1 RRF#1	S2 RRF#2	S3 RRF#3	S4 RRF#4	S5 RRF#5	S6 RRF#6
2,3,7,8-TCDD	1.04	0.0556	5.37 %	1.01	1.12	0.97	1.02	1.01	1.08
1,2,3,7,8-PeCDD	1.05	0.0453	4.33 %	1.02	1.04	1.00	1.01	1.11	1.10
1,2,3,4,7,8-HxCDD	1.30	0.0354	2.72 %	1.27	1.29	1.26	1.30	1.33	1.35
1,2,3,6,7,8-HxCDD	1.28	0.0488	3.82 %	1.25	1.23	1.27	1.24	1.33	1.34
1,2,3,7,8,9-HxCDD	1.25	0.0604	4.84 %	1.26	1.14	1.25	1.24	1.28	1.32
1,2,3,4,6,7,8-HpCDD	1.35	0.0509	3.76 %	1.26	1.33	1.36	1.37	1.40	1.40
OCDD	1.25	0.0756	6.05 %	1.22	1.13	1.24	1.27	1.32	1.33
2,3,7,8-TCDF	1.62	0.0670	4.14 %	1.65	1.74	1.59	1.56	1.57	1.60
1,2,3,7,8-PeCDF	0.92	0.0408	4.45 %	0.89	0.89	0.86	0.94	0.95	0.96
2,3,4,7,8-PeCDF	0.94	0.0433	4.58 %	0.88	0.94	0.92	0.96	1.00	0.97
1,2,3,4,7,8-HxCDF	0.93	0.0447	4.80 %	0.90	0.88	0.90	0.93	0.97	1.00
1,2,3,6,7,8-HxCDF	0.84	0.0498	5.95 %	0.78	0.79	0.83	0.84	0.89	0.90
2,3,4,6,7,8-HxCDF	0.90	0.0469	5.24 %	0.85	0.87	0.86	0.89	0.94	0.96
1,2,3,7,8,9-HxCDF	0.98	0.0559	5.68 %	0.96	0.93	0.93	0.98	1.04	1.06
1,2,3,4,6,7,8-HpCDF	1.38	0.0717	5.19 %	1.32	1.32	1.33	1.38	1.45	1.48
1,2,3,4,7,8,9-HpCDF	1.62	0.104	6.40 %	1.53	1.55	1.56	1.60	1.76	1.75
OCDF	0.74	0.0371	5.02 %	0.70	0.72	0.72	0.73	0.77	0.80
13C-2,3,7,8-TCDD	0.93	0.0199	2.15 %	0.93	0.91	0.90	0.93	0.95	0.95
13C-1,2,3,7,8-PeCDD	0.81	0.0364	4.50 %	0.83	0.78	0.75	0.83	0.80	0.85
13C-1,2,3,4,7,8-HxCDD	0.95	0.0375	3.96 %	0.90	0.90	0.94	0.97	0.97	0.99
13C-1,2,3,6,7,8-HxCDD	1.00	0.0182	1.83 %	0.99	1.02	1.00	1.02	0.99	0.97
13C-1,2,3,4,6,7,8-HpCDD	0.92	0.0204	2.22 %	0.92	0.95	0.93	0.92	0.89	0.92
13C-OCDD	0.63	0.0244	3.86 %	0.64	0.63	0.62	0.64	0.59	0.67
13C-2,3,7,8-TCDF	0.87	0.0146	1.68 %	0.87	0.84	0.87	0.89	0.86	0.88
13C-1,2,3,7,8-PeCDF	0.81	0.0502	6.23 %	0.84	0.76	0.75	0.88	0.78	0.83
13C-2,3,4,7,8-PeCDF	0.75	0.0503	6.69 %	0.81	0.71	0.69	0.81	0.72	0.77
13C-1,2,3,4,7,8-HxCDF	1.74	0.0487	2.80 %	1.67	1.70	1.76	1.80	1.78	1.71
13C-1,2,3,6,7,8-HxCDF	2.17	0.0633	2.92 %	2.11	2.18	2.21	2.25	2.18	2.07
13C-2,3,4,6,7,8-HxCDF	1.82	0.0466	2.57 %	1.78	1.81	1.86	1.87	1.81	1.75
13C-1,2,3,7,8,9-HxCDF	1.49	0.0322	2.17 %	1.43	1.47	1.49	1.52	1.48	1.51
13C-1,2,3,4,6,7,8-HpCDF	1.10	0.0149	1.36 %	1.07	1.10	1.11	1.11	1.09	1.10
13C-1,2,3,4,7,8,9-HpCDF	0.81	0.0231	2.83 %	0.82	0.84	0.81	0.82	0.77	0.82
13C-OCDF	1.19	0.0430	3.63 %	1.20	1.15	1.16	1.18	1.16	1.27
37Cl-2,3,7,8-TCDD	0.93	0.0664	7.14 %	0.89	1.00	0.84	0.89	0.97	1.00
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-
13C-1,2,3,4-TCDF	-	-	- %	-	-	-	-	-	-
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-
Total Tetra-Dioxins	1.04	0.0556	5.37 %	1.01	1.12	0.97	1.02	1.01	1.08
Total Penta-Dioxins	1.05	0.0453	4.33 %	1.02	1.04	1.00	1.01	1.11	1.10
Total Hexa-Dioxins	1.27	0.0431	3.38 %	1.26	1.22	1.26	1.26	1.31	1.34
Total Hepta-Dioxins	1.35	0.0509	3.76 %	1.26	1.33	1.36	1.37	1.40	1.40
Total Tetra-Furans	1.62	0.0670	4.14 %	1.65	1.74	1.59	1.56	1.57	1.60
1st Fn. Tot Penta-Furans	0.93	0.0398	4.28 %	0.88	0.91	0.89	0.95	0.98	0.96
Total Penta-Furans	0.93	0.0398	4.28 %	0.88	0.91	0.89	0.95	0.98	0.96
Total Hexa-Furans	0.90	0.0483	5.34 %	0.86	0.86	0.87	0.90	0.95	0.97
Total Hepta-Furans	1.48	0.0839	5.65 %	1.41	1.42	1.43	1.47	1.58	1.60

Analyst: _____ Date: 5/13/10

Run #1 Filename 12MAY10M S: 1 Acquired: 12-MAY-10 13:22:51 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M0 Analyte: FAL ID: 1613 CS0 090918G

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.25	8.01e+04	0.81 y	27:24	-	1.01	y
2	Unk	1,2,3,7,8-PeCDD	1.25	3.65e+05	1.62 y	33:12	-	1.02	y
3	Unk	1,2,3,4,7,8-HxCDD	1.25	3.20e+05	1.34 y	38:32	-	1.27	y
4	Unk	1,2,3,6,7,8-HxCDD	1.25	3.47e+05	1.31 y	38:42	-	1.25	y
5	Unk	1,2,3,7,8,9-HxCDD	1.25	3.35e+05	1.31 y	39:09	-	1.26	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	3.27e+05	1.14 y	44:08	-	1.26	y
7	Unk	OCDD	2.50	4.38e+05	0.97 y	49:39	-	1.22	y
8	Unk	2,3,7,8-TCDF	0.25	1.87e+05	0.69 y	26:38	-	1.65	y
9	Unk	1,2,3,7,8-PeCDF	1.25	4.86e+05	1.45 y	31:28	-	0.888	y
10	Unk	2,3,4,7,8-PeCDF	1.25	4.61e+05	1.49 y	32:47	-	0.879	y
11	Unk	1,2,3,4,7,8-HxCDF	1.25	4.23e+05	1.28 y	37:08	-	0.903	y
12	Unk	1,2,3,6,7,8-HxCDF	1.25	4.62e+05	1.32 y	37:21	-	0.779	y
13	Unk	2,3,4,6,7,8-HxCDF	1.25	4.22e+05	1.31 y	38:17	-	0.845	y
14	Unk	1,2,3,7,8,9-HxCDF	1.25	3.86e+05	1.35 y	39:43	-	0.960	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	3.97e+05	1.04 y	42:13	-	1.32	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	3.52e+05	0.99 y	45:03	-	1.53	y
17	Unk	OCDF	2.50	4.67e+05	0.94 y	50:00	-	0.697	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.18e+07	0.79 y	27:22	-	0.926	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.85e+07	1.76 y	33:10	-	0.832	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.02e+07	1.30 y	38:31	-	0.903	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.21e+07	1.29 y	38:41	-	0.986	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.07e+07	1.03 y	44:06	-	0.922	y
23	IS	13C-OCDD	200.00	2.88e+07	0.87 y	49:38	-	0.642	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.53e+07	0.88 y	26:37	-	0.873	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	4.37e+07	1.70 y	31:27	-	0.844	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	4.20e+07	1.67 y	32:46	-	0.811	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.75e+07	0.56 y	37:08	-	1.67	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.74e+07	0.57 y	37:19	-	2.11	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.00e+07	0.57 y	38:16	-	1.78	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.21e+07	0.57 y	39:42	-	1.43	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.41e+07	0.43 y	42:11	-	1.07	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.84e+07	0.43 y	45:01	-	0.823	y
33	IS	13C-OCDF	200.00	5.36e+07	0.99 y	50:00	-	1.20	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.25	7.68e+04		27:23	-	0.895	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.43e+07	0.80 y	26:47	3.43e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	5.18e+07	0.88 y	25:31	5.18e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.24e+07	1.29 y	39:08	2.24e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.01	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.02	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.26	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.26	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.65	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.884	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.884	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.863	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.41	y

Analyst: _____ Date: 5/13/10

Run #2 Filename 12MAY10M S: 2 Acquired: 12-MAY-10 14:18:09 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M1 Analyte: FAL ID: 1613 CS1 090918H

	Typ	Name	Amount	Resp	RA		RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.50	1.68e+05	0.79	y	27:26	-	1.12	y
2	Unk	1,2,3,7,8-PeCDD	2.50	6.69e+05	1.68	y	33:15	-	1.04	y
3	Unk	1,2,3,4,7,8-HxCDD	2.50	5.98e+05	1.29	y	38:34	-	1.29	y
4	Unk	1,2,3,6,7,8-HxCDD	2.50	6.42e+05	1.28	y	38:44	-	1.23	y
5	Unk	1,2,3,7,8,9-HxCDD	2.50	5.62e+05	1.33	y	39:10	-	1.14	y
6	Unk	1,2,3,4,6,7,8-HpCDD	2.50	6.52e+05	1.07	y	44:10	-	1.33	y
7	Unk	OCDD	5.00	7.33e+05	0.93	y	49:40	-	1.13	y
8	Unk	2,3,7,8-TCDF	0.50	3.85e+05	0.67	y	26:41	-	1.74	y
9	Unk	1,2,3,7,8-PeCDF	2.50	8.92e+05	1.44	y	31:30	-	0.894	y
10	Unk	2,3,4,7,8-PeCDF	2.50	8.75e+05	1.46	y	32:49	-	0.935	y
11	Unk	1,2,3,4,7,8-HxCDF	2.50	7.75e+05	1.30	y	37:11	-	0.884	y
12	Unk	1,2,3,6,7,8-HxCDF	2.50	8.85e+05	1.29	y	37:23	-	0.787	y
13	Unk	2,3,4,6,7,8-HxCDF	2.50	8.14e+05	1.28	y	38:19	-	0.873	y
14	Unk	1,2,3,7,8,9-HxCDF	2.50	7.09e+05	1.16	y	39:45	-	0.934	y
15	Unk	1,2,3,4,6,7,8-HpCDF	2.50	7.48e+05	1.04	y	42:14	-	1.32	y
16	Unk	1,2,3,4,7,8,9-HpCDF	2.50	6.73e+05	1.07	y	45:04	-	1.55	y
17	Unk	OCDF	5.00	8.52e+05	0.91	y	50:02	-	0.719	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.98e+07	0.79	y	27:25	-	0.909	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.56e+07	1.78	y	33:13	-	0.782	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.86e+07	1.29	y	38:33	-	0.901	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.09e+07	1.28	y	38:43	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.95e+07	1.02	y	44:08	-	0.948	y
23	IS	13C-OCDD	200.00	2.60e+07	0.92	y	49:39	-	0.632	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.43e+07	0.87	y	26:40	-	0.843	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	3.99e+07	1.70	y	31:29	-	0.760	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.74e+07	1.70	y	32:48	-	0.712	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.51e+07	0.56	y	37:10	-	1.70	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.50e+07	0.56	y	37:21	-	2.18	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	3.73e+07	0.54	y	38:18	-	1.81	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.04e+07	0.57	y	39:44	-	1.47	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.27e+07	0.44	y	42:14	-	1.10	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.73e+07	0.43	y	45:03	-	0.840	y
33	IS	13C-OCDF	200.00	4.74e+07	0.98	y	50:02	-	1.15	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.50	1.63e+05			27:26	-	0.995	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.28e+07	0.80	y	26:49	3.28e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	5.25e+07	0.88	y	25:34	5.25e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.06e+07	1.30	y	39:10	2.06e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	-	n	-	-	1.12	y
39	Tot	Total Penta-Dioxins	0.00	-	-	n	-	-	1.04	y
40	Tot	Total Hexa-Dioxins	0.00	-	-	n	-	-	1.22	y
41	Tot	Total Hepta-Dioxins	0.00	-	-	n	-	-	1.33	y
42	Tot	Total Tetra-Furans	0.00	-	-	n	-	-	1.74	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	-	n	-	-	0.914	y
44	Tot	Total Penta-Furans	0.00	-	-	n	-	-	0.914	y
45	Tot	Total Hexa-Furans	0.00	-	-	n	-	-	0.862	y
46	Tot	Total Hepta-Furans	0.00	-	-	n	-	-	1.42	y

Analyst: _____ Date: 5/13/10

Run #3 Filename 12MAY10M S: 3 Acquired: 12-MAY-10 15:13:32 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M2 Analyte: FAL ID: 1613 CS2 090918I

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	2.00	5.92e+05	0.78 y	27:26	-	0.972	y
2	Unk	1,2,3,7,8-PeCDD	10.00	2.54e+06	1.74 y	33:14	-	1.00	y
3	Unk	1,2,3,4,7,8-HxCDD	10.00	2.35e+06	1.32 y	38:34	-	1.26	y
4	Unk	1,2,3,6,7,8-HxCDD	10.00	2.50e+06	1.31 y	38:44	-	1.27	y
5	Unk	1,2,3,7,8,9-HxCDD	10.00	2.40e+06	1.33 y	39:11	-	1.25	y
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	2.50e+06	1.04 y	44:10	-	1.36	y
7	Unk	OCDD	20.00	3.06e+06	0.88 y	49:41	-	1.24	y
8	Unk	2,3,7,8-TCDF	2.00	1.46e+06	0.70 y	26:41	-	1.59	y
9	Unk	1,2,3,7,8-PeCDF	10.00	3.43e+06	1.51 y	31:30	-	0.862	y
10	Unk	2,3,4,7,8-PeCDF	10.00	3.37e+06	1.54 y	32:50	-	0.920	y
11	Unk	1,2,3,4,7,8-HxCDF	10.00	3.14e+06	1.28 y	37:11	-	0.897	y
12	Unk	1,2,3,6,7,8-HxCDF	10.00	3.63e+06	1.29 y	37:23	-	0.829	y
13	Unk	2,3,4,6,7,8-HxCDF	10.00	3.17e+06	1.30 y	38:20	-	0.861	y
14	Unk	1,2,3,7,8,9-HxCDF	10.00	2.76e+06	1.32 y	39:46	-	0.931	y
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	2.94e+06	1.05 y	42:15	-	1.33	y
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	2.51e+06	1.05 y	45:05	-	1.56	y
17	Unk	OCDF	20.00	3.34e+06	0.88 y	50:04	-	0.725	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.04e+07	0.80 y	27:25	-	0.901	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.54e+07	1.75 y	33:13	-	0.752	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.87e+07	1.30 y	38:34	-	0.942	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.97e+07	1.31 y	38:44	-	0.996	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.84e+07	1.07 y	44:08	-	0.927	y
23	IS	13C-OCDD	200.00	2.47e+07	0.98 y	49:40	-	0.623	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.59e+07	0.88 y	26:40	-	0.867	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	3.98e+07	1.67 y	31:30	-	0.752	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.66e+07	1.69 y	32:49	-	0.692	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.49e+07	0.55 y	37:10	-	1.76	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.38e+07	0.55 y	37:22	-	2.21	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	3.69e+07	0.55 y	38:18	-	1.86	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	2.96e+07	0.56 y	39:44	-	1.49	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.21e+07	0.44 y	42:14	-	1.11	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.61e+07	0.43 y	45:03	-	0.814	y
33	IS	13C-OCDF	200.00	4.61e+07	0.96 y	50:03	-	1.16	y
34	C/Up	37Cl-2,3,7,8-TCDD	2.00	5.65e+05		27:26	-	0.836	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.38e+07	0.81 y	26:51	3.38e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	5.29e+07	0.88 y	25:34	5.29e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.98e+07	1.34 y	39:10	1.98e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	0.972	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.00	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.26	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.36	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.59	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.890	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.890	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.874	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.43	y

Analyst: _____ Date: 5/13/10

Run #4 Filename 12MAY10M S: 4 Acquired: 12-MAY-10 16:08:51 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M3 Analyte: FAL ID: 1613 CS3 090918J

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	10.00	3.10e+06	0.78 y	27:27	-	1.02	y
2	Unk	1,2,3,7,8-PeCDD	50.00	1.38e+07	1.70 y	33:15	-	1.01	y
3	Unk	1,2,3,4,7,8-HxCDD	50.00	1.26e+07	1.30 y	38:35	-	1.30	y
4	Unk	1,2,3,6,7,8-HxCDD	50.00	1.26e+07	1.30 y	38:45	-	1.24	y
5	Unk	1,2,3,7,8,9-HxCDD	50.00	1.23e+07	1.28 y	39:11	-	1.24	y
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	1.26e+07	1.11 y	44:10	-	1.37	y
7	Unk	OCDD	100.00	1.62e+07	0.93 y	49:41	-	1.27	y
8	Unk	2,3,7,8-TCDF	10.00	6.83e+06	0.72 y	26:41	-	1.56	y
9	Unk	1,2,3,7,8-PeCDF	50.00	2.04e+07	1.54 y	31:31	-	0.943	y
10	Unk	2,3,4,7,8-PeCDF	50.00	1.91e+07	1.55 y	32:50	-	0.962	y
11	Unk	1,2,3,4,7,8-HxCDF	50.00	1.67e+07	1.29 y	37:11	-	0.930	y
12	Unk	1,2,3,6,7,8-HxCDF	50.00	1.89e+07	1.30 y	37:24	-	0.842	y
13	Unk	2,3,4,6,7,8-HxCDF	50.00	1.67e+07	1.30 y	38:19	-	0.890	y
14	Unk	1,2,3,7,8,9-HxCDF	50.00	1.49e+07	1.27 y	39:45	-	0.976	y
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	1.54e+07	1.05 y	42:15	-	1.38	y
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	1.31e+07	1.05 y	45:04	-	1.60	y
17	Unk	OCDF	100.00	1.73e+07	0.87 y	50:04	-	0.731	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.06e+07	0.80 y	27:25	-	0.927	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.73e+07	1.77 y	33:13	-	0.828	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.94e+07	1.29 y	38:33	-	0.966	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.04e+07	1.28 y	38:43	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.84e+07	1.06 y	44:09	-	0.917	y
23	IS	13C-OCDD	200.00	2.56e+07	0.91 y	49:41	-	0.638	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.37e+07	0.88 y	26:40	-	0.885	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	4.32e+07	1.70 y	31:29	-	0.877	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.97e+07	1.71 y	32:49	-	0.805	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.60e+07	0.55 y	37:10	-	1.80	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.50e+07	0.56 y	37:22	-	2.25	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	3.76e+07	0.55 y	38:19	-	1.87	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.05e+07	0.56 y	39:45	-	1.52	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.22e+07	0.43 y	42:14	-	1.11	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.64e+07	0.42 y	45:03	-	0.817	y
33	IS	13C-OCDF	200.00	4.74e+07	0.98 y	50:02	-	1.18	y
34	C/Up	37Cl-2,3,7,8-TCDD	10.00	2.93e+06		27:27	-	0.889	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.30e+07	0.81 y	26:50	3.30e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	4.93e+07	0.87 y	25:34	4.93e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.00e+07	1.28 y	39:10	2.00e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.02	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.01	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.26	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.37	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.56	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.952	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.952	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.903	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.47	y

Analyst: _____ Date: 5/13/10

Run #5 Filename 12MAY10M S: 5 Acquired: 12-MAY-10 17:04:09 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M4 Analyte: FAL ID: 1613 CS4 090918K

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	40.00	1.35e+07	0.77 y	27:27	-	1.01	y
2	Unk	1,2,3,7,8-PeCDD	200.00	6.18e+07	1.68 y	33:15	-	1.11	y
3	Unk	1,2,3,4,7,8-HxCDD	200.00	5.73e+07	1.29 y	38:35	-	1.33	y
4	Unk	1,2,3,6,7,8-HxCDD	200.00	5.85e+07	1.29 y	38:45	-	1.33	y
5	Unk	1,2,3,7,8,9-HxCDD	200.00	5.56e+07	1.22 y	39:12	-	1.28	y
6	Unk	1,2,3,4,6,7,8-HpCDD	200.00	5.49e+07	1.06 y	44:10	-	1.40	y
7	Unk	OCDD	400.00	6.95e+07	0.93 y	49:42	-	1.32	y
8	Unk	2,3,7,8-TCDF	40.00	3.08e+07	0.71 y	26:42	-	1.57	y
9	Unk	1,2,3,7,8-PeCDF	200.00	8.42e+07	1.54 y	31:31	-	0.952	y
10	Unk	2,3,4,7,8-PeCDF	200.00	8.22e+07	1.53 y	32:50	-	1.00	y
11	Unk	1,2,3,4,7,8-HxCDF	200.00	7.65e+07	1.28 y	37:12	-	0.968	y
12	Unk	1,2,3,6,7,8-HxCDF	200.00	8.60e+07	1.29 y	37:24	-	0.887	y
13	Unk	2,3,4,6,7,8-HxCDF	200.00	7.59e+07	1.28 y	38:20	-	0.941	y
14	Unk	1,2,3,7,8,9-HxCDF	200.00	6.84e+07	1.31 y	39:46	-	1.04	y
15	Unk	1,2,3,4,6,7,8-HpCDF	200.00	7.01e+07	1.04 y	42:16	-	1.45	y
16	Unk	1,2,3,4,7,8,9-HpCDF	200.00	6.04e+07	1.06 y	45:05	-	1.76	y
17	Unk	OCDF	400.00	7.92e+07	0.90 y	50:04	-	0.770	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.32e+07	0.79 y	27:26	-	0.950	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.79e+07	1.72 y	33:14	-	0.799	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.16e+07	1.29 y	38:34	-	0.970	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.20e+07	1.29 y	38:44	-	0.988	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.97e+07	1.04 y	44:09	-	0.885	y
23	IS	13C-OCDD	200.00	2.63e+07	0.90 y	49:41	-	0.592	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.90e+07	0.88 y	26:40	-	0.863	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	4.43e+07	1.69 y	31:30	-	0.779	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	4.10e+07	1.68 y	32:49	-	0.721	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	3.95e+07	0.55 y	37:10	-	1.78	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	4.85e+07	0.55 y	37:23	-	2.18	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.03e+07	0.55 y	38:19	-	1.81	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.28e+07	0.57 y	39:44	-	1.48	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.42e+07	0.43 y	42:15	-	1.09	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.71e+07	0.44 y	45:04	-	0.772	y
33	IS	13C-OCDF	200.00	5.14e+07	0.98 y	50:03	-	1.16	y
34	C/Up	37Cl-2,3,7,8-TCDD	40.00	1.36e+07		27:27	-	0.970	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.49e+07	0.80 y	26:50	3.49e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	5.68e+07	0.88 y	25:35	5.68e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.22e+07	1.30 y	39:10	2.22e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.01	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.11	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.31	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.40	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.57	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.977	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.977	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.952	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.58	y

Analyst: _____ Date: 5/13/10

Run #6 Filename 12MAY10M S: 6 Acquired: 12-MAY-10 17:59:27 Cal: PCDDFAL3-5-12-10
Client ID: ST051210M5 Analyte: PCDDFAL3-5-12-10 FAL ID: 1613 CS5 090918L

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	200.00	7.10e+07	0.77 y	27:28	-	1.08	y
2	Unk	1,2,3,7,8-PeCDD	1000.00	3.24e+08	1.67 y	33:15	-	1.10	y
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	3.25e+08	1.30 y	38:36	-	1.35	y
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	3.16e+08	1.30 y	38:46	-	1.34	y
5	Unk	1,2,3,7,8,9-HxCDD	1000.00	3.14e+08	1.30 y	39:12	-	1.32	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1000.00	3.14e+08	1.08 y	44:10	-	1.40	y
7	Unk	OCDD	2000.00	4.31e+08	0.93 y	49:43	-	1.33	y
8	Unk	2,3,7,8-TCDF	200.00	1.58e+08	0.70 y	26:41	-	1.60	y
9	Unk	1,2,3,7,8-PeCDF	1000.00	4.49e+08	1.53 y	31:31	-	0.962	y
10	Unk	2,3,4,7,8-PeCDF	1000.00	4.19e+08	1.53 y	32:50	-	0.967	y
11	Unk	1,2,3,4,7,8-HxCDF	1000.00	4.15e+08	1.28 y	37:12	-	0.997	y
12	Unk	1,2,3,6,7,8-HxCDF	1000.00	4.53e+08	1.28 y	37:24	-	0.900	y
13	Unk	2,3,4,6,7,8-HxCDF	1000.00	4.10e+08	1.28 y	38:21	-	0.964	y
14	Unk	1,2,3,7,8,9-HxCDF	1000.00	3.91e+08	1.29 y	39:47	-	1.06	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1000.00	3.96e+08	1.05 y	42:16	-	1.48	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1000.00	3.50e+08	1.05 y	45:06	-	1.75	y
17	Unk	OCDF	2000.00	4.91e+08	0.88 y	50:06	-	0.798	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	3.29e+07	0.80 y	27:26	-	0.947	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.95e+07	1.75 y	33:14	-	0.850	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.41e+07	1.28 y	38:35	-	0.993	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.35e+07	1.28 y	38:45	-	0.969	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.24e+07	1.04 y	44:09	-	0.922	y
23	IS	13C-OCDD	200.00	3.23e+07	0.92 y	49:43	-	0.666	y
24	IS	13C-2,3,7,8-TCDF	100.00	4.95e+07	0.88 y	26:40	-	0.877	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	4.67e+07	1.66 y	31:31	-	0.827	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	4.33e+07	1.65 y	32:50	-	0.768	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	4.16e+07	0.56 y	37:12	-	1.71	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	5.03e+07	0.56 y	37:23	-	2.07	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	4.25e+07	0.56 y	38:20	-	1.75	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	3.68e+07	0.56 y	39:46	-	1.51	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.67e+07	0.44 y	42:15	-	1.10	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	2.00e+07	0.44 y	45:04	-	0.823	y
33	IS	13C-OCDF	200.00	6.15e+07	0.99 y	50:04	-	1.27	y
34	C/Up	37Cl-2,3,7,8-TCDD	200.00	6.92e+07		27:27	-	0.996	y
35	RS	13C-1,2,3,4-TCDD	100.00	3.47e+07	0.80 y	26:51	3.47e+05	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	5.64e+07	0.88 y	25:35	5.64e+05	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.43e+07	1.27 y	39:11	2.43e+05	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.08	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.10	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.34	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.40	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.60	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.965	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.965	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.975	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.60	y

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 3A

PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 12MAY10M S1 CS3 Data Filename: 12MAY10M S4

CS1 Data Filename: 12MAY10M S2 CS4 Data Filename: 12MAY10M S5

CS2 Data Filename: 12MAY10M S3 CS5 Data Filename: 12MAY10M S6

	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
NATIVE ANALYTES								
2,3,7,8-TCDD	1.01	1.12	0.97	1.02	1.01	1.08	1.04	5.37
1,2,3,7,8-PeCDD	1.02	1.04	1.00	1.01	1.11	1.10	1.05	4.33
1,2,3,4,7,8-HxCDD	1.27	1.29	1.26	1.30	1.33	1.35	1.30	2.72
1,2,3,6,7,8-HxCDD	1.25	1.23	1.27	1.24	1.33	1.34	1.28	3.82
1,2,3,7,8,9-HxCDD	1.26	1.14	1.25	1.24	1.28	1.32	1.25	4.84
1,2,3,4,6,7,8-HpCDD	1.26	1.33	1.36	1.37	1.40	1.40	1.35	3.76
OCDD	1.22	1.13	1.24	1.27	1.32	1.33	1.25	6.05
2,3,7,8-TCDF	1.65	1.74	1.59	1.56	1.57	1.60	1.62	4.14
1,2,3,7,8-PeCDF	0.89	0.89	0.86	0.94	0.95	0.96	0.92	4.45
2,3,4,7,8-PeCDF	0.88	0.94	0.92	0.96	1.00	0.97	0.94	4.58
1,2,3,4,7,8-HxCDF	0.90	0.88	0.90	0.93	0.97	1.00	0.93	4.80
1,2,3,6,7,8-HxCDF	0.78	0.79	0.83	0.84	0.89	0.90	0.84	5.95
2,3,4,6,7,8-HxCDF	0.85	0.87	0.86	0.89	0.94	0.96	0.90	5.24
1,2,3,7,8,9-HxCDF	0.96	0.93	0.93	0.98	1.04	1.06	0.98	5.68
1,2,3,4,6,7,8-HpCDF	1.32	1.32	1.33	1.38	1.45	1.48	1.38	5.19
1,2,3,4,7,8,9-HpCDF	1.53	1.55	1.56	1.60	1.76	1.75	1.62	6.40
OCDF	0.70	0.72	0.72	0.73	0.77	0.80	0.74	5.02

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 3B

PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 12MAY10M S1 CS4 Data Filename: 12MAY10M S4

CS1 Data Filename: 12MAY10M S2 CS4 Data Filename: 12MAY10M S5

CS2 Data Filename: 12MAY10M S3 CS5 Data Filename: 12MAY10M S6

	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
LABELED COMPOUNDS								
13C-2,3,7,8-TCDD	0.93	0.91	0.90	0.93	0.95	0.95	0.93	2.15
13C-1,2,3,7,8-PeCDD	0.83	0.78	0.75	0.83	0.80	0.85	0.81	4.50
13C-1,2,3,4,7,8-HxCDD	0.90	0.90	0.94	0.97	0.97	0.99	0.95	3.96
13C-1,2,3,6,7,8-HxCDD	0.99	1.02	1.00	1.02	0.99	0.97	1.00	1.83
13C-1,2,3,4,6,7,8-HpCDD	0.92	0.95	0.93	0.92	0.89	0.92	0.92	2.22
13C-OCDD	0.64	0.63	0.62	0.64	0.59	0.67	0.63	3.86
13C-2,3,7,8-TCDF	0.87	0.84	0.87	0.89	0.86	0.88	0.87	1.68
13C-1,2,3,7,8-PeCDF	0.84	0.76	0.75	0.88	0.78	0.83	0.81	6.23
13C-2,3,4,7,8-PeCDF	0.81	0.71	0.69	0.81	0.72	0.77	0.75	6.69
13C-1,2,3,4,7,8-HxCDF	1.67	1.70	1.76	1.80	1.78	1.71	1.74	2.80
13C-1,2,3,6,7,8-HxCDF	2.11	2.18	2.21	2.25	2.18	2.07	2.17	2.92
13C-2,3,4,6,7,8-HxCDF	1.78	1.81	1.86	1.87	1.81	1.75	1.82	2.57
13C-1,2,3,7,8,9-HxCDF	1.43	1.47	1.49	1.52	1.48	1.51	1.49	2.17
13C-1,2,3,4,6,7,8-HpCDF	1.07	1.10	1.11	1.11	1.09	1.10	1.10	1.36
13C-1,2,3,4,7,8,9-HpCDF	0.82	0.84	0.81	0.82	0.77	0.82	0.81	2.83
13C-OCDF	1.20	1.15	1.16	1.18	1.16	1.27	1.19	3.63
CLEANUP STANDARD								
37Cl-2,3,7,8-TCDD	0.89	1.00	0.84	0.89	0.97	1.00	0.93	7.14

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 3C

PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 12MAY10M S1 CS3 Data Filename: 12MAY10M S4

CS1 Data Filename: 12MAY10M S2 CS4 Data Filename: 12MAY10M S5

CS2 Data Filename: 12MAY10M S3 CS5 Data Filename: 12MAY10M S6

	M/Z'S FORMING	ION ABUNDANCE RATIOS						QC LIMITS
	RATIO	CS1	CS2	CS3	CS4	CS5	CS6	
NATIVE ANALYTES								
2,3,7,8-TCDD	M/M+2	0.81	0.79	0.78	0.78	0.77	0.77	0.65-0.89
1,2,3,7,8-PeCDD	M+2/M+4	1.62	1.68	1.74	1.70	1.68	1.67	1.32-1.78
1,2,3,4,7,8-HxCDD	M+2/M+4	1.34	1.29	1.32	1.30	1.29	1.30	1.05-1.43
1,2,3,6,7,8-HxCDD	M+2/M+4	1.31	1.28	1.31	1.30	1.29	1.30	1.05-1.43
1,2,3,7,8,9-HxCDD	M+2/M+4	1.31	1.33	1.33	1.28	1.22	1.30	1.05-1.43
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.14	1.07	1.04	1.11	1.06	1.08	0.88-1.20
OCDD	M+2/M+4	0.97	0.93	0.88	0.93	0.93	0.93	0.76-1.02
2,3,7,8-TCDF	M/M+2	0.69	0.67	0.70	0.72	0.71	0.70	0.65-0.89
1,2,3,7,8-PeCDF	M+2/M+4	1.45	1.44	1.51	1.54	1.54	1.53	1.32-1.78
2,3,4,7,8-PeCDF	M+2/M+4	1.49	1.46	1.54	1.55	1.53	1.53	1.32-1.78
1,2,3,4,7,8-HxCDF	M+2/M+4	1.28	1.30	1.28	1.29	1.28	1.28	1.05-1.43
1,2,3,6,7,8-HxCDF	M+2/M+4	1.32	1.29	1.29	1.30	1.29	1.28	1.05-1.43
2,3,4,6,7,8-HxCDF	M+2/M+4	1.31	1.28	1.30	1.30	1.28	1.28	1.05-1.43
1,2,3,7,8,9-HxCDF	M+2/M+4	1.35	1.16	1.32	1.27	1.31	1.29	1.05-1.43
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	1.04	1.05	1.05	1.04	1.05	0.88-1.20
1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.99	1.07	1.05	1.05	1.06	1.05	0.88-1.20
OCDF	M+2/M+4	0.94	0.91	0.88	0.87	0.90	0.88	0.76-1.02

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 3D

PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

CS0 Data Filename: 12MAY10M S1 CS3 Data Filename: 12MAY10M S4

CS1 Data Filename: 12MAY10M S2 CS4 Data Filename: 12MAY10M S5

CS2 Data Filename: 12MAY10M S3 CS5 Data Filename: 12MAY10M S6

LABELED COMPOUNDS	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS CS1	CS2	CS3	CS4	CS5	CS6	QC LIMITS
13C-2,3,7,8-TCDD	M/M+2	0.79	0.79	0.80	0.80	0.79	0.80	0.65-0.89
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.76	1.78	1.75	1.77	1.72	1.75	1.32-1.78
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.30	1.29	1.30	1.29	1.29	1.28	1.05-1.43
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.29	1.28	1.31	1.28	1.29	1.28	1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	1.02	1.07	1.06	1.04	1.04	0.88-1.20
13C-OCDD	M+2/M+4	0.87	0.92	0.98	0.91	0.90	0.92	0.76-1.02
13C-2,3,7,8-TCDF	M/M+2	0.88	0.87	0.88	0.88	0.88	0.88	0.65-0.89
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.70	1.70	1.67	1.70	1.69	1.66	1.32-1.78
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.67	1.70	1.69	1.71	1.68	1.65	1.32-1.78
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.56	0.56	0.55	0.55	0.55	0.56	0.43-0.59
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.57	0.56	0.55	0.56	0.55	0.56	0.43-0.59
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.57	0.54	0.55	0.55	0.55	0.56	0.43-0.59
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.57	0.57	0.56	0.56	0.57	0.56	0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.44	0.44	0.43	0.43	0.44	0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.43	0.43	0.42	0.44	0.44	0.37-0.51
13C-OCDF	M+2/M+4	0.99	0.98	0.96	0.98	0.98	0.99	0.76-1.02

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

VER Data Filename: 12MAY10M Sam:4 Analysis Date: 12-MAY-10 16:08:51

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
2,3,7,8-TCDD	M/M+2	0.78	0.65-0.89	y	9.80	7.80 - 12.9
1,2,3,7,8-PeCDD	M+2/M+4	1.70	1.32-1.78	y	48.3	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.30	1.05-1.43	y	50.2	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.30	1.05-1.43	y	48.5	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.28	1.05-1.43	y	49.6	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.11	0.88-1.20	y	50.6	43.0 - 58.0
OCDD	M+2/M+4	0.93	0.76-1.02	y	101	79.0 - 126
2,3,7,8-TCDF	M/M+2	0.72	0.65-0.89	y	9.66	8.40 - 12.0
1,2,3,7,8-PeCDF	M+2/M+4	1.54	1.32-1.78	y	51.5	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.55	1.32-1.78	y	50.9	41.0 - 60.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.29	1.05-1.43	y	50.0	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.30	1.05-1.43	y	50.3	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.30	1.05-1.43	y	49.7	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.27	1.05-1.43	y	49.6	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.05	0.88-1.20	y	50.1	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.05	0.88-1.20	y	49.2	43.0 - 58.0
OCDF	M+2/M+4	0.87	0.76-1.02	y	98.8	63.0 - 159

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

VER Data Filename: 12MAY10M Sam:4 Analysis Date: 12-MAY-10 16:08:51

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
LABELED COMPOUNDS						
13C-2,3,7,8-TCDD	M/M+2	0.80	0.65-0.89	y	100.0	82.0 - 121
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.77	1.32-1.78	y	103	62.0 - 160
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05-1.43	y	102	85.0 - 117
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05-1.43	y	102	85.0 - 118
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88-1.20	y	99.6	72.0 - 138
13C-OCDD	M+2/M+4	0.91	0.76-1.02	y	202	96.0 - 415
13C-2,3,7,8-TCDF	M/M+2	0.88	0.65-0.89	y	102	71.0 - 140
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.70	1.32-1.78	y	109	76.0 - 130
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.71	1.32-1.78	y	107	77.0 - 130
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.55	0.43-0.59	y	103	76.0 - 131
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.56	0.43-0.59	y	104	70.0 - 143
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.55	0.43-0.59	y	103	73.0 - 137
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.56	0.43-0.59	y	102	74.0 - 135
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37-0.51	y	101	78.0 - 129
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.42	0.37-0.51	y	100	77.0 - 129
13C-OCDF	M+2/M+4	0.98	0.76-1.02	y	199	96.0 - 415
CLEANUP STANDARD (4)						
37Cl-2,3,7,8-TCDD					9.55	7.80 - 12.8

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) No ion abundance ratio; report concentration found.

Analyst: _____ Date: 5/13/10

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: FAL3 Initial Calibration Date: 5/12/10

RT Window Data Filename: 12MAY10M Sam:4 Analysis Date: 12-MAY-10 Time: 16:08:51

DB-5 IS Data Filename: 12MAY10M Sam:4 Analysis Date: 12-MAY-10 Time: 16:08:51

DB-225 IS Date Filename: Analysis Date: Time:

DB-5 RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	24:26	1,3,6,8-TCDF (F)	23:05
1,2,8,9-TCDD (L)	28:23	1,2,8,9-TCDF (L)	28:36
1,2,4,7,9-PeCDD (F)	30:17	1,3,4,6,8-PeCDF (F)	28:27
1,2,3,8,9-PeCDD (L)	33:50	1,2,3,8,9-PeCDF (L)	34:14
1,2,4,6,7,9-HxCDD (F)	36:08	1,2,3,4,6,8-HxCDF (F)	35:15
1,2,3,7,8,9-HxCDD (L)	39:11	1,2,3,7,8,9-HxCDF (L)	39:45
1,2,3,4,6,7,9-HpCDD (F)	42:47	1,2,3,4,6,7,8-HpCDF (F)	42:15
1,2,3,4,6,7,8-HpCDD (L)	44:10	1,2,3,4,7,8,9-HpCDF (L)	45:04

(F) = First eluting iosmer (DB-5); (L) = Last eluting isomer (DB-5)

==========

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT BETWEEN COMPARED PEAKS (1)
<25%

(1) To meet contract requirement, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.: Init. Cal. Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

Analysis Date: 12-MAY-10 16:08:51 CS3 or VER Data Filename: 12MAY10M Sam:4

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.000	0.999-1.003
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002
LABELED COMPOUNDS			
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.023	0.989-1.052
13C-2,3,7,8-TCDD		1.021	0.976-1.043
13C-2,3,7,8-TCDF		0.994	0.923-1.103
13C-1,2,3,7,8-PeCDD		1.238	1.000-1.567
13C-1,2,3,7,8-PeCDF		1.173	0.923-1.203
13C-2,3,4,7,8-PeCDF		1.223	0.923-1.303

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: _____ Date: 5/13/10

USEPA - ITD

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.: Init. Cal. Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

Analysis Date: 12-MAY-10 16:08:51 CS3 or VER Data Filename: 12MAY10M Sam:4

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.001	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.001	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.012	1.000-1.019
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.000	0.999-1.001
OCDF	13C-OCDF	1.001	0.999-1.001
LABELED COMPOUNDS			
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,7,8,9-HxCDD	0.984	0.977-1.000
13C-1,2,3,6,7,8-HxCDD		0.988	0.981-1.003
13C-1,2,3,4,7,8-HxCDF		0.949	0.944-0.970
13C-1,2,3,6,7,8-HxCDF		0.954	0.949-0.975
13C-2,3,4,6,7,8-HxCDF		0.978	0.959-1.021
13C-1,2,3,7,8,9-HxCDF		1.014	0.977-1.047
13C-1,2,3,4,6,7,8-HpCDD		1.127	1.086-1.130
13C-1,2,3,4,6,7,8-HpCDF		1.078	1.043-1.085
13C-1,2,3,4,7,8,9-HpCDF		1.150	1.057-1.154
13C-OCDD		1.268	1.032-1.311
13C-OCDF		1.277	1.000-1.311

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: _____ Date: 5/13/10

FAL ID: ST051210M3 Filename: 12MAY10M Sam:4 Acquired: 12-MAY-10 16:08:51 ICal: PCDDFAL3-5-12-10
Client ID: 1613 CS3 090918J ConCal: NA EndCal: NA
Results: GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 99.5
WHO 1998 Tox: 123 WHO 2005 Tox: 112

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL
2,3,7,8-TCDD	3.10e+06	0.78 y	27:27	1.04	9.80		2.50	-	-	*
1,2,3,7,8-PeCDD	1.38e+07	1.70 y	33:15	1.05	48.3		2.50	-	-	*
1,2,3,4,7,8-HxCDD	1.26e+07	1.30 y	38:35	1.30	50.2		2.50	-	-	*
1,2,3,6,7,8-HxCDD	1.26e+07	1.30 y	38:45	1.28	48.5		2.50	-	-	*
1,2,3,7,8,9-HxCDD	1.23e+07	1.28 y	39:11	1.25	49.6		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	1.26e+07	1.11 y	44:10	1.35	50.6		2.50	-	-	*
OCDD	1.62e+07	0.93 y	49:41	1.25	101		2.50	-	-	*
2,3,7,8-TCDF	6.83e+06	0.72 y	26:41	1.62	9.66		2.50	-	-	*
1,2,3,7,8-PeCDF	2.04e+07	1.54 y	31:31	0.92	51.5		2.50	-	-	*
2,3,4,7,8-PeCDF	1.91e+07	1.55 y	32:50	0.94	50.9		2.50	-	-	*
1,2,3,4,7,8-HxCDF	1.67e+07	1.29 y	37:11	0.93	50.0		2.50	-	-	*
1,2,3,6,7,8-HxCDF	1.89e+07	1.30 y	37:24	0.84	50.3		2.50	-	-	*
2,3,4,6,7,8-HxCDF	1.67e+07	1.30 y	38:19	0.90	49.7		2.50	-	-	*
1,2,3,7,8,9-HxCDF	1.49e+07	1.27 y	39:45	0.98	49.6		2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	1.54e+07	1.05 y	42:15	1.38	50.1		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	1.31e+07	1.05 y	45:04	1.62	49.2		2.50	-	-	*
OCDF	1.73e+07	0.87 y	50:04	0.74	98.8		2.50	-	-	*
										Rec
13C-2,3,7,8-TCDD	3.06e+07	0.80 y	27:25	0.93	100.0					100.0
13C-1,2,3,7,8-PeCDD	2.73e+07	1.77 y	33:13	0.81	103					103
13C-1,2,3,4,7,8-HxCDD	1.94e+07	1.29 y	38:33	0.95	102					102
13C-1,2,3,6,7,8-HxCDD	2.04e+07	1.28 y	38:43	1.00	102					102
13C-1,2,3,4,6,7,8-HpCDD	1.84e+07	1.06 y	44:09	0.92	99.6					99.6
13C-OCDD	2.56e+07	0.91 y	49:41	0.63	202					101
13C-2,3,7,8-TCDF	4.37e+07	0.88 y	26:40	0.87	102					102
13C-1,2,3,7,8-PeCDF	4.32e+07	1.70 y	31:29	0.81	109					109
13C-2,3,4,7,8-PeCDF	3.97e+07	1.71 y	32:49	0.75	107					107
13C-1,2,3,4,7,8-HxCDF	3.60e+07	0.55 y	37:10	1.74	103					103
13C-1,2,3,6,7,8-HxCDF	4.50e+07	0.56 y	37:22	2.17	104					104
13C-2,3,4,6,7,8-HxCDF	3.76e+07	0.55 y	38:19	1.82	103					103
13C-1,2,3,7,8,9-HxCDF	3.05e+07	0.56 y	39:45	1.49	102					102
13C-1,2,3,4,6,7,8-HpCDF	2.22e+07	0.43 y	42:14	1.10	101					101
13C-1,2,3,4,7,8,9-HpCDF	1.64e+07	0.42 y	45:03	0.81	100					100
13C-OCDF	4.74e+07	0.98 y	50:02	1.19	199					99.7
37Cl-2,3,7,8-TCDD	2.93e+06		27:27	0.93	9.55					95.5
13C-1,2,3,4-TCDD	3.30e+07	0.81 y	26:50	-	97.3					
13C-1,2,3,4-TCDF	4.93e+07	0.87 y	25:34	-	92.5					
13C-1,2,3,7,8,9-HxCDD	2.00e+07	1.28 y	39:10	-	92.9					

						Fac	Noise-1	Noise-2	DL		#Hom
Total Tetra-Dioxins	1.68e+07		23:16	1.04	53.2	2.50	-	-	*		19
Total Penta-Dioxins	3.09e+07		30:17	1.05	108	2.50	-	-	*		9
Total Hexa-Dioxins	4.33e+07		36:08	1.27	171	2.50	-	-	*		13
Total Hepta-Dioxins	2.73e+07		42:47	1.35	110	2.50	-	-	*		10
Total Tetra-Furans	2.92e+07		23:05	1.62	41.3	2.50	-	-	*		21
1st Fn. Tot Penta-Furans	2.33e+07		28:27	0.93	60.5	2.50	-	-	*	PeCDF	1
Total Penta-Furans	5.64e+07		30:15	0.93	146	2.50	-	-	*	207	9
Total Hexa-Furans	7.98e+07		35:15	0.90	237	2.50	-	-	*		13
Total Hepta-Furans	2.91e+07		42:15	1.48	102	2.50	-	-	*		5

Analyst: _____ Date: 5/13/10

Frontier Analytical Laboratory - Acquisition Log

Run Name:12MAY10M Instrument: FAL3 GC: DB5 Experiment:PCDD

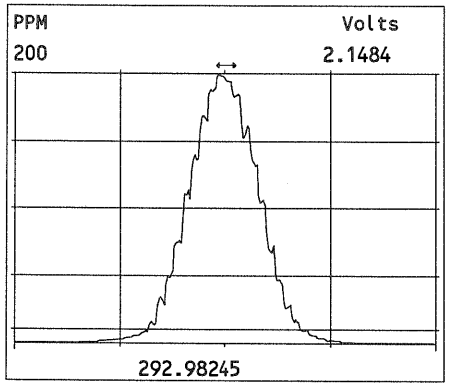
Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
12MAY10M	1	ST051210M0	1613 CS0 090918G	12-MAY-10 13:22:51	NA	NA	TC
12MAY10M	2	ST051210M1	1613 CS1 090918H	12-MAY-10 14:18:09	NA	NA	TC
12MAY10M	3	ST051210M2	1613 CS2 090918I	12-MAY-10 15:13:32	NA	NA	TC
12MAY10M	4	ST051210M3	1613 CS3 090918J	12-MAY-10 16:08:51	NA	NA	TC
12MAY10M	5	ST051210M4	1613 CS4 090918K	12-MAY-10 17:04:09	NA	NA	TC
12MAY10M	6	ST051210M5	1613 CS5 090918L	12-MAY-10 17:59:27	NA	NA	TC
12MAY10M	7	SB051210M1	Solvent Blank	12-MAY-10 18:54:46	NA	NA	TC

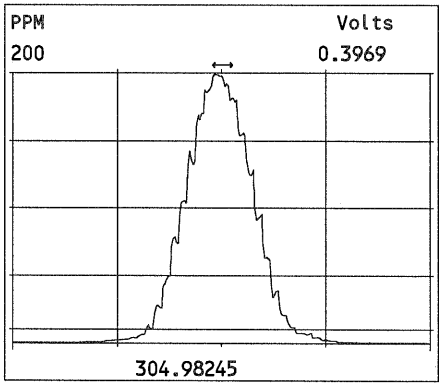
5/13/10

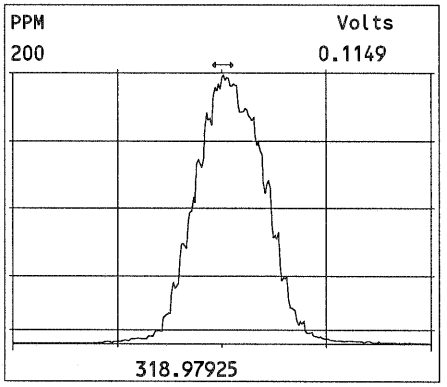
Data Backed Up:_____

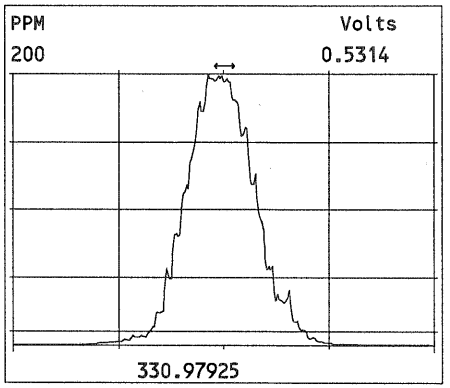
Date:_____

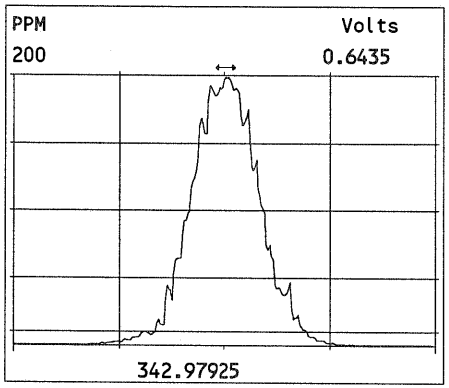
Peak Locate Examination:12-MAY-2010:13:20 File:12MAY10M
Experiment:PCDD Function:1 Reference:PFK

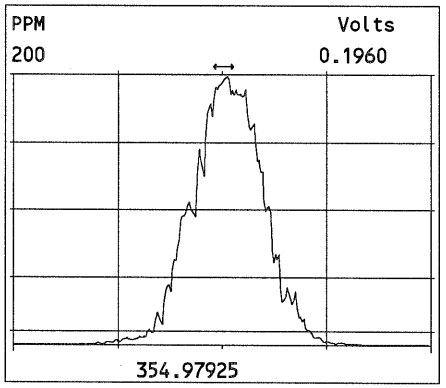


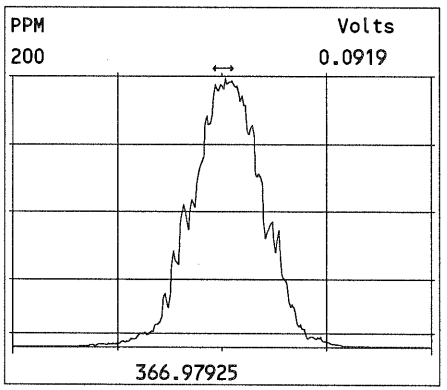


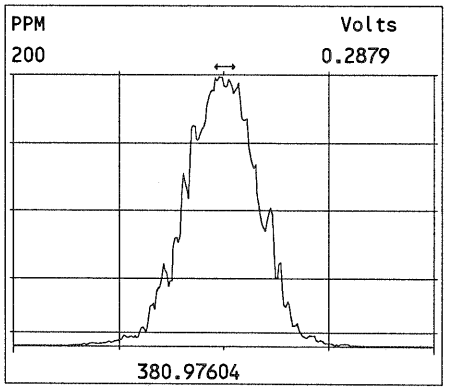


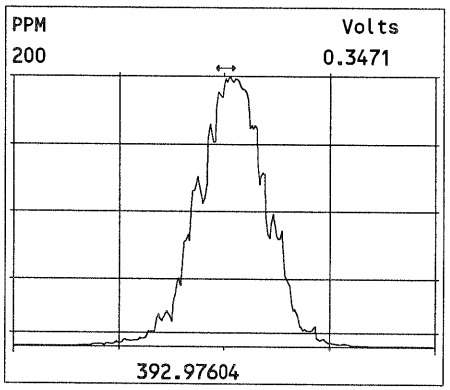


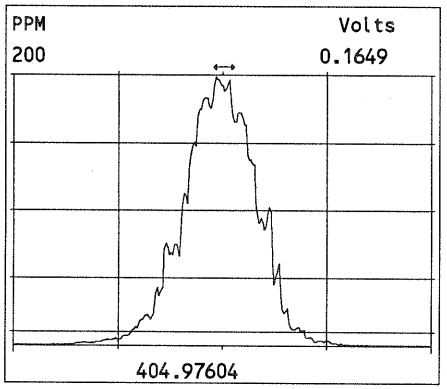


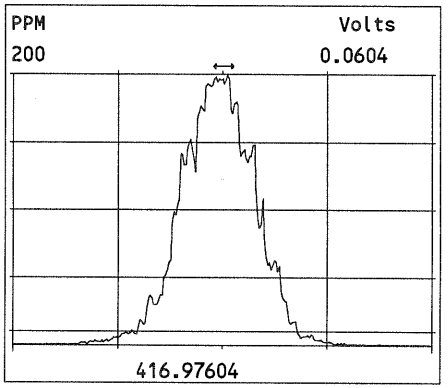




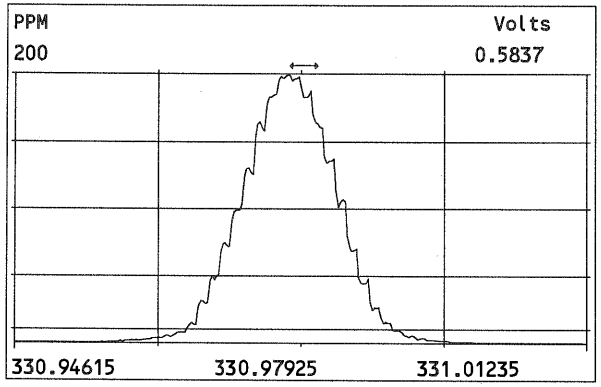


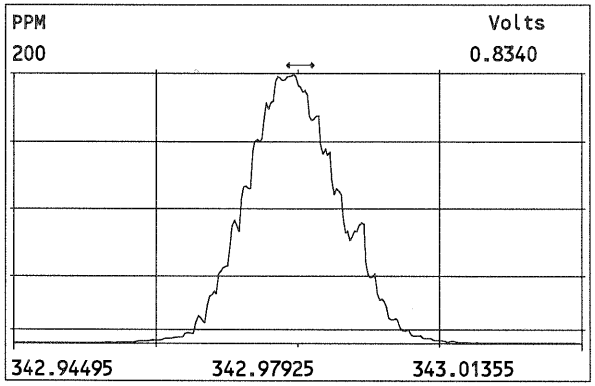


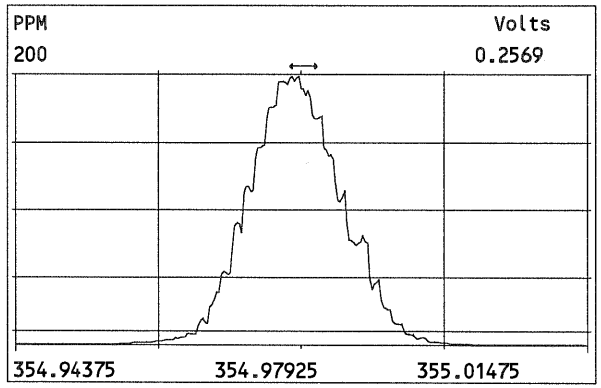


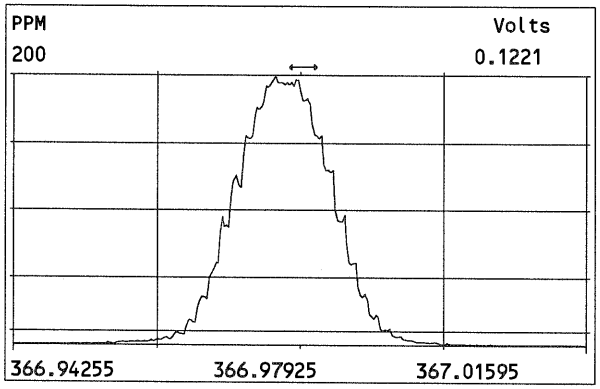


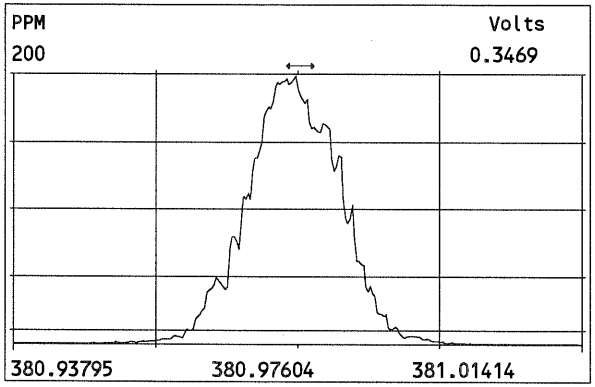
Peak Locate Examination:12-MAY-2010:13:21 File:12MAY10M
Experiment:PCDD Function:2 Reference:PFK

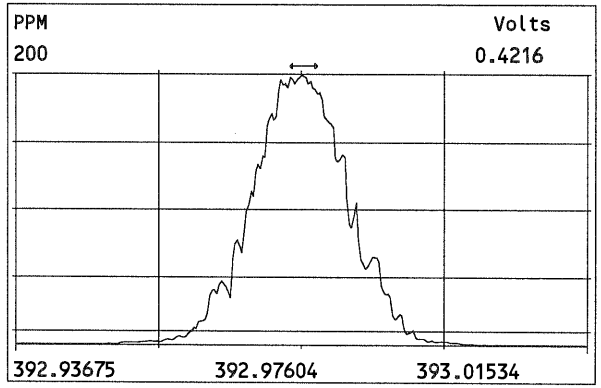


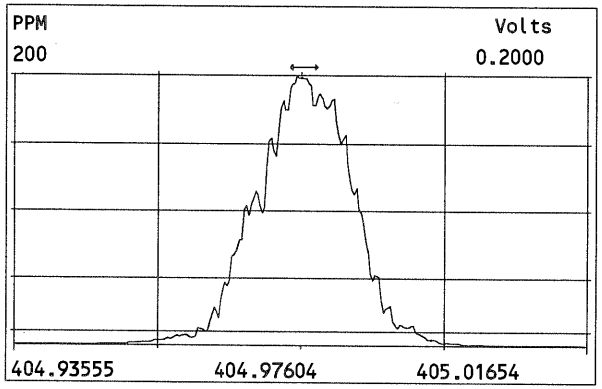


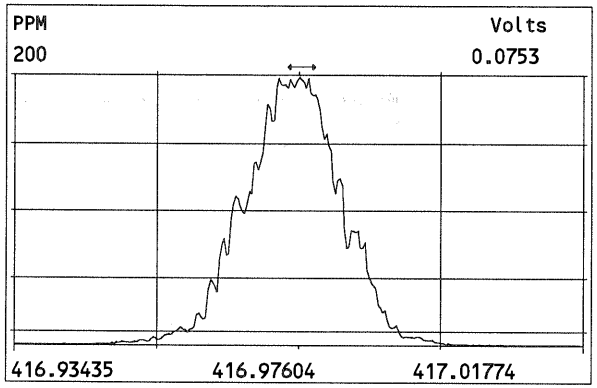






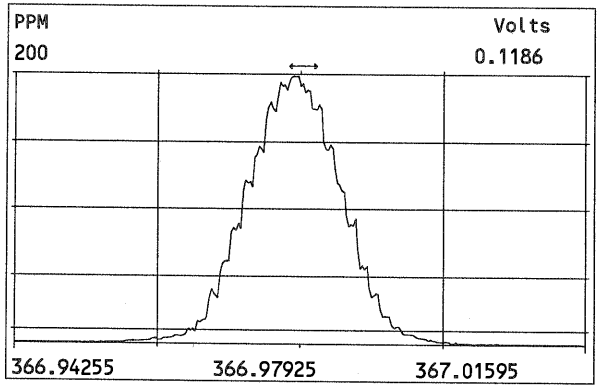


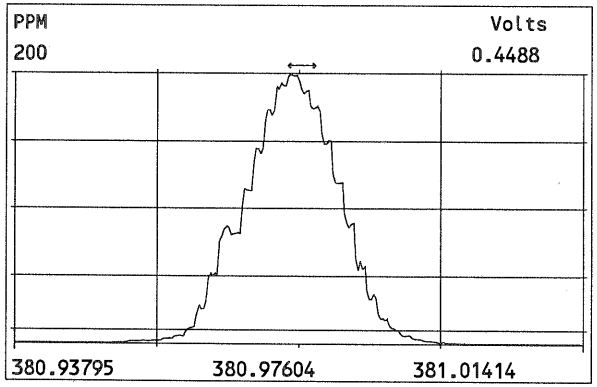


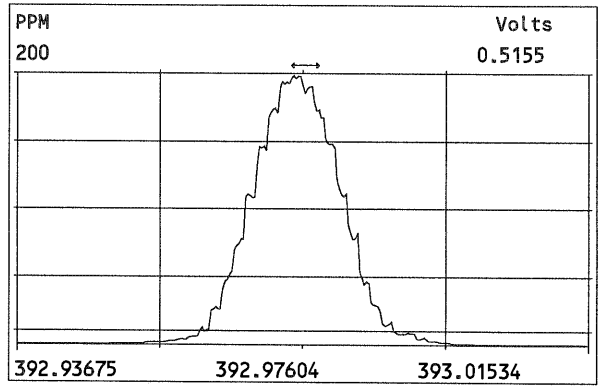


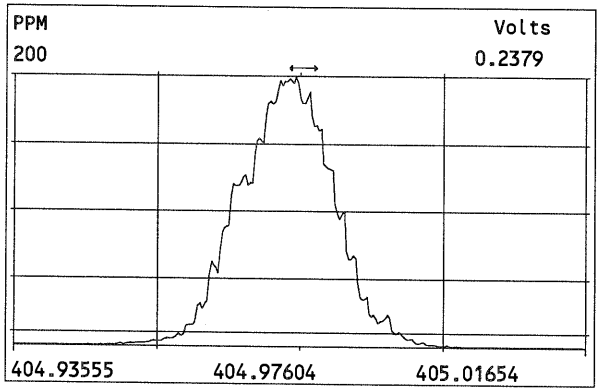
Peak Locate Examination:12-MAY-2010:13:21 File:12MAY10M

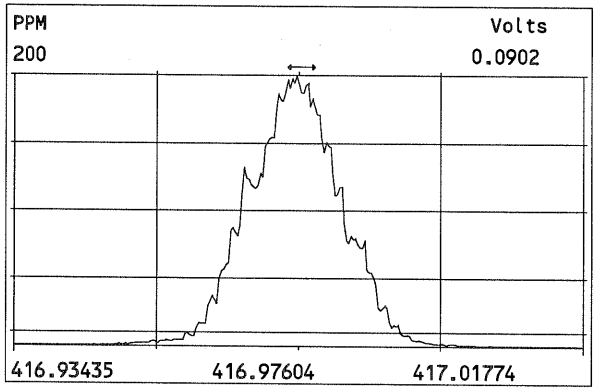
Experiment:PCDD Function:3 Reference:PFK

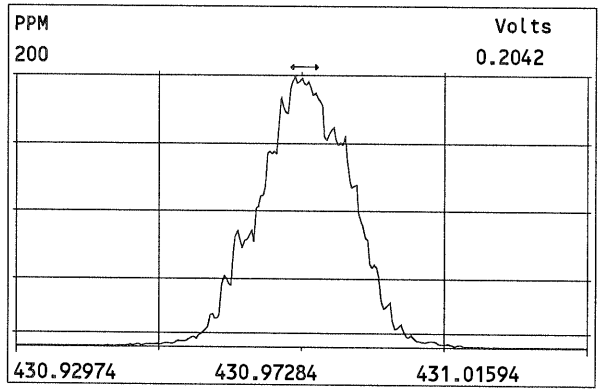


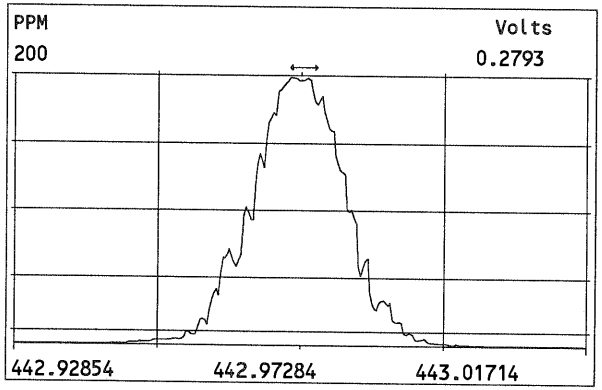


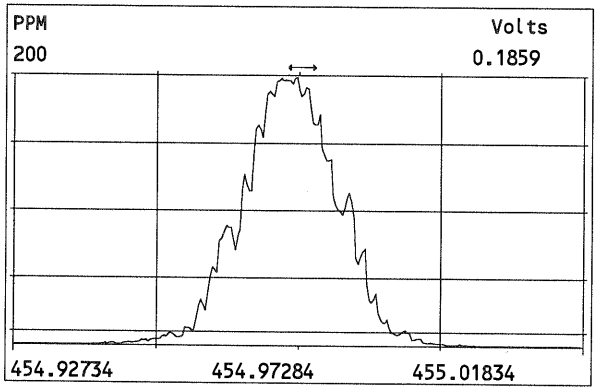




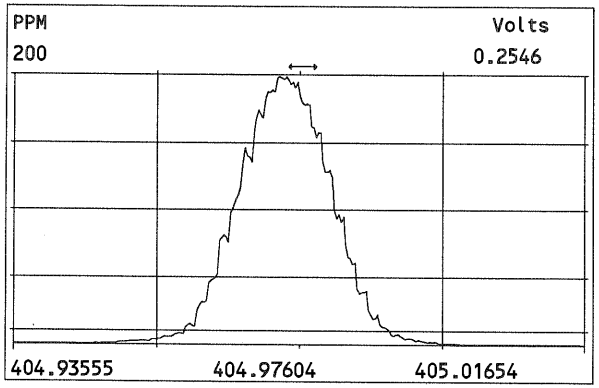


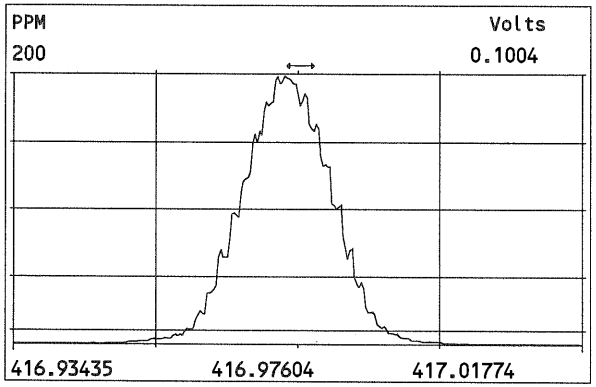


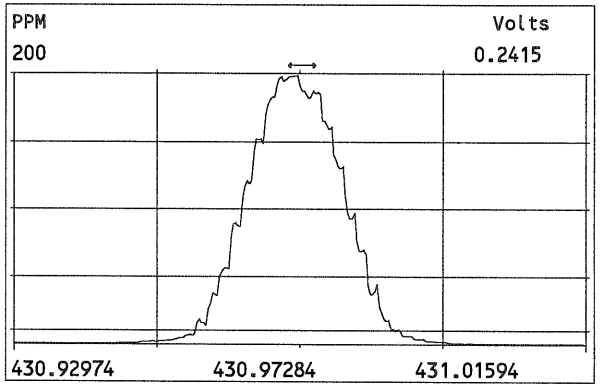


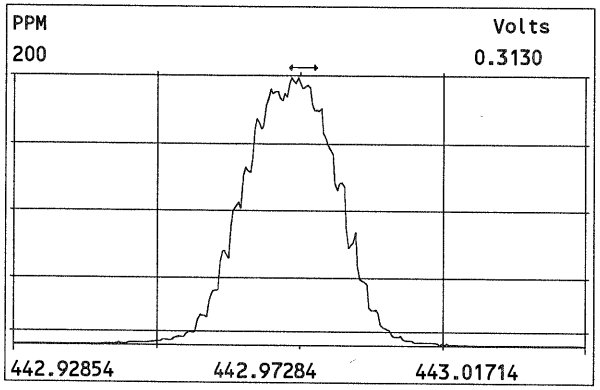


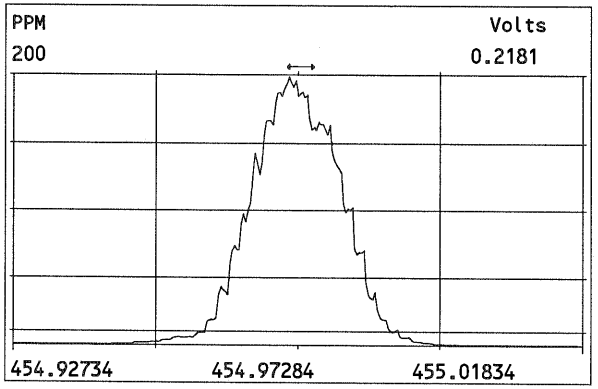
Peak Locate Examination:12-MAY-2010:13:22 File:12MAY10M
Experiment:PCDD Function:4 Reference:PFK

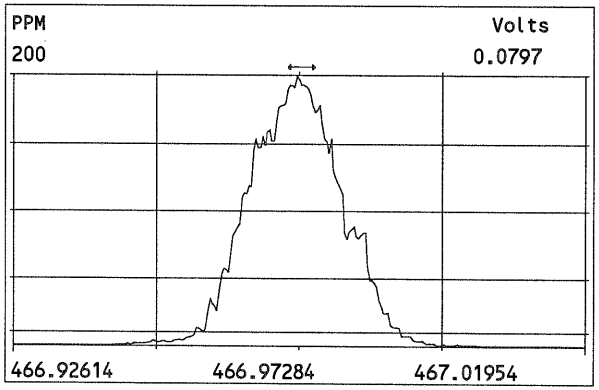


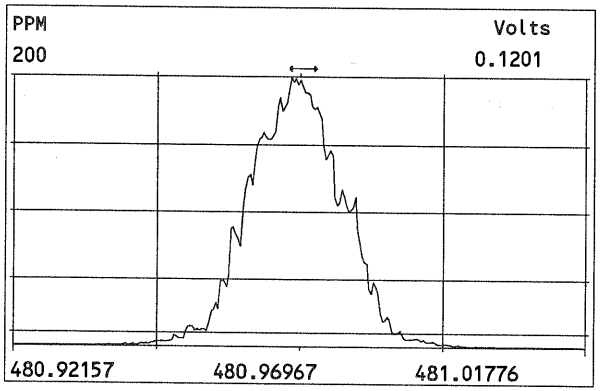






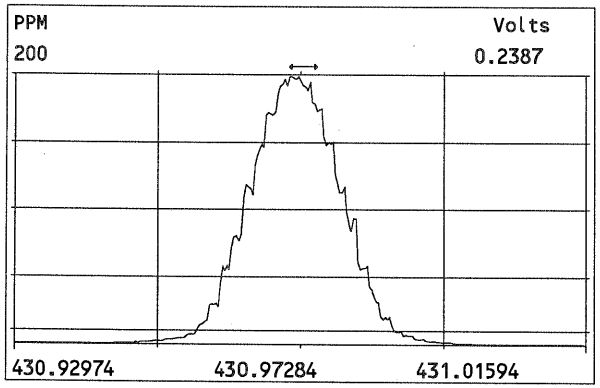


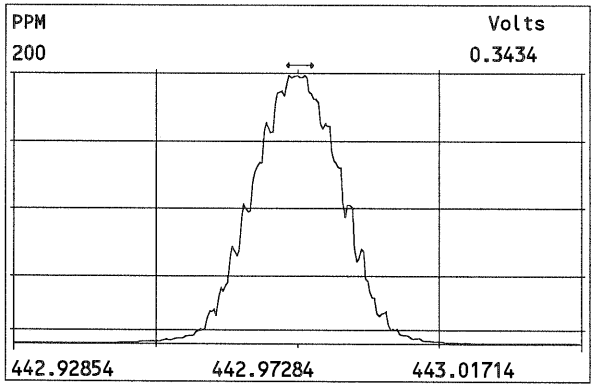


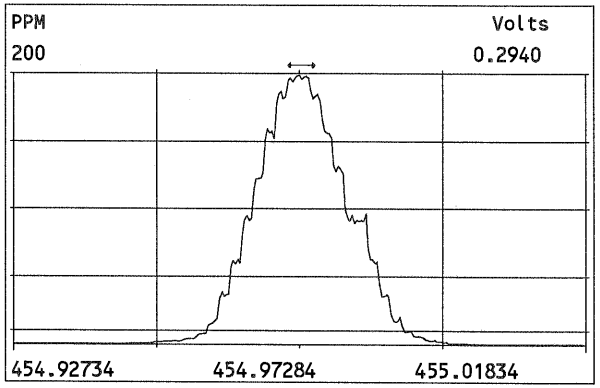


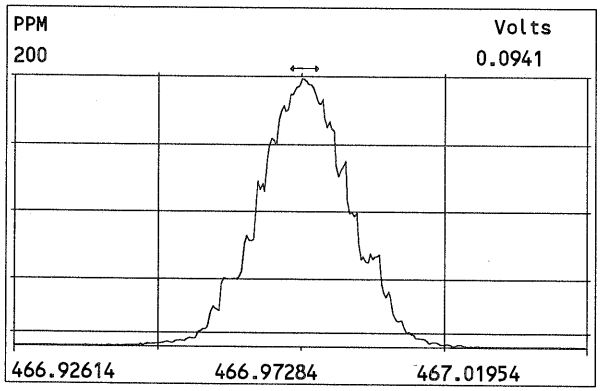
Peak Locate Examination:12-MAY-2010:13:22 File:12MAY10M

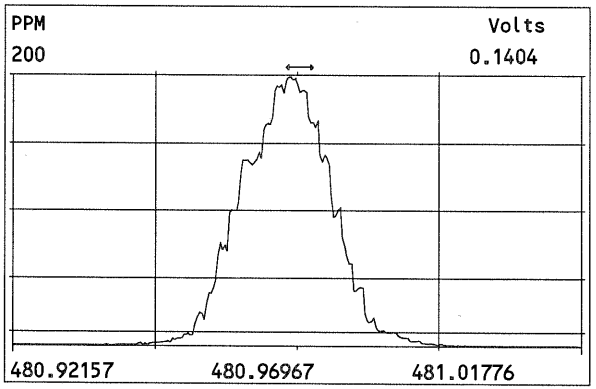
Experiment:PCDD Function:5 Reference:PFK

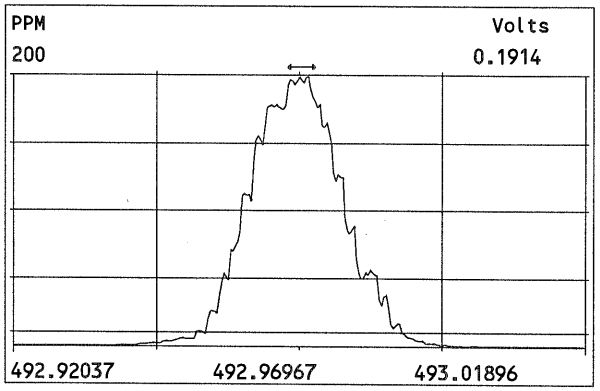


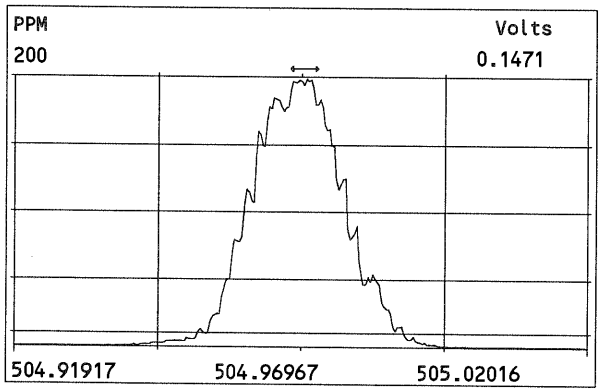


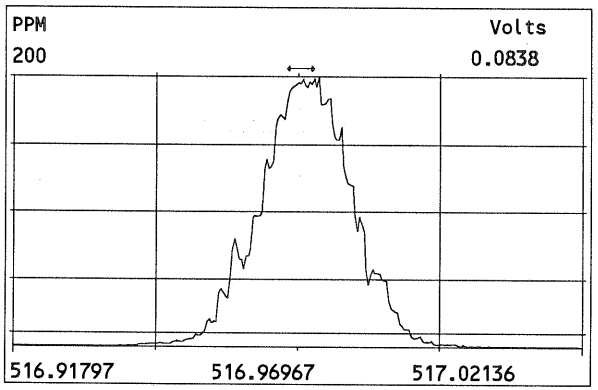




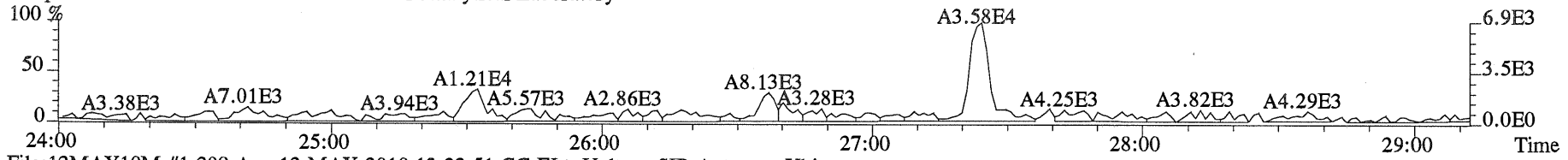




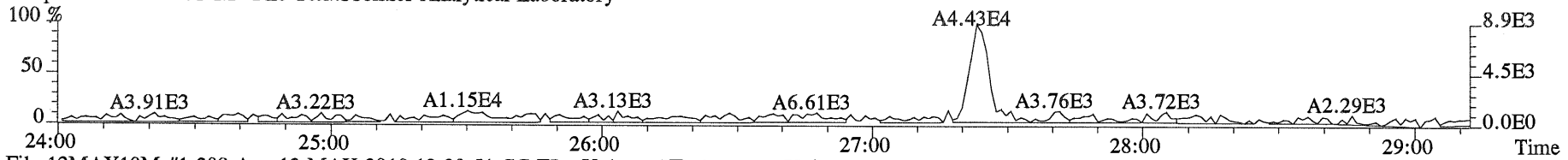




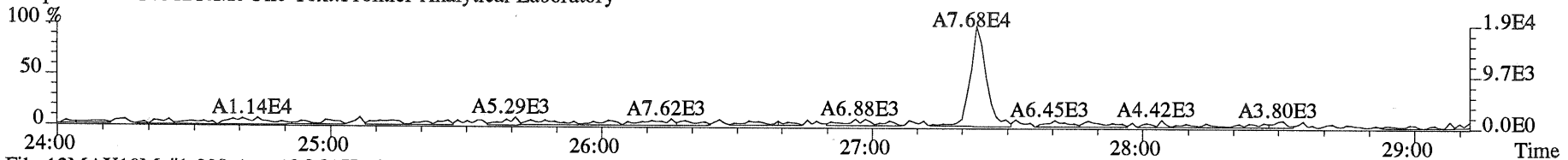
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



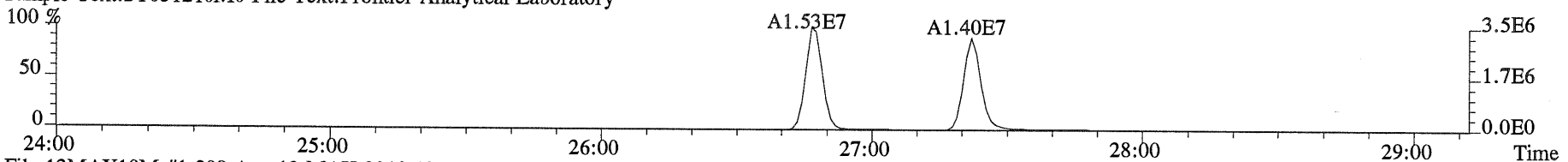
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



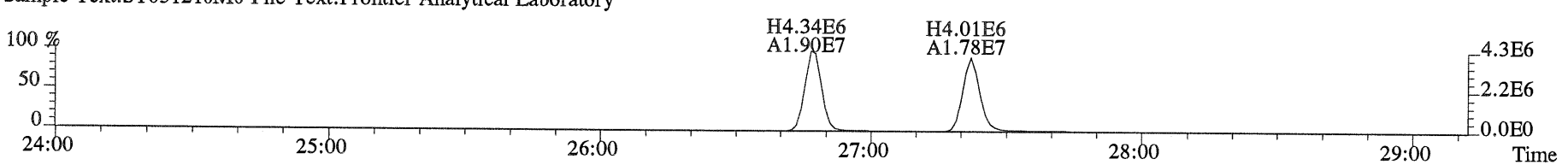
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



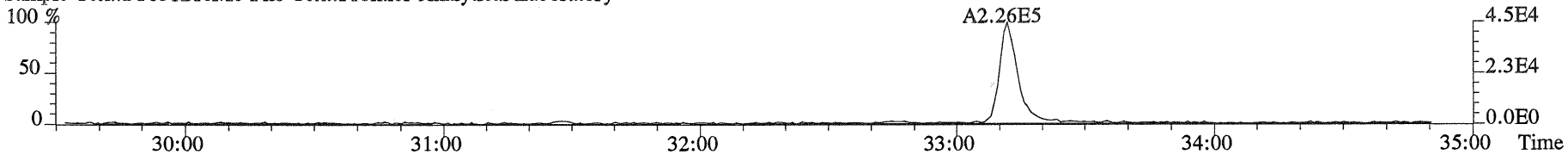
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



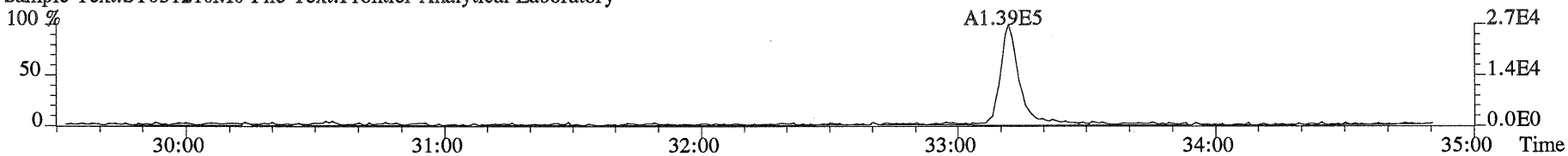
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



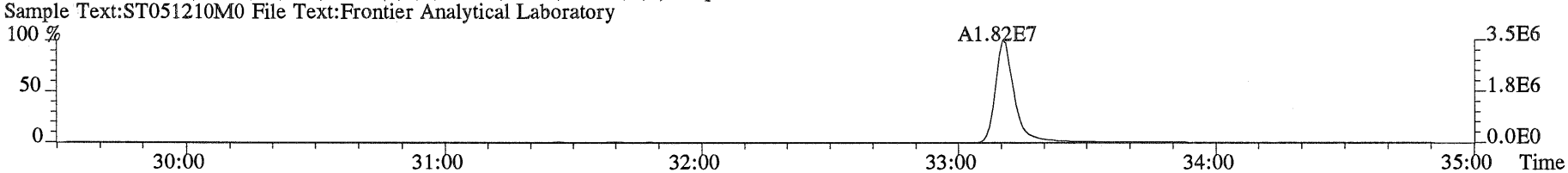
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



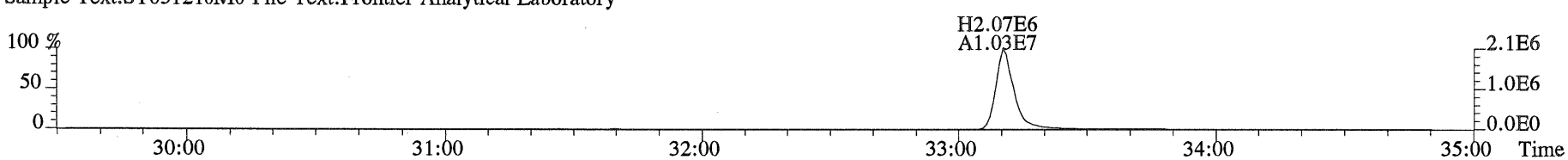
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
357.8517 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



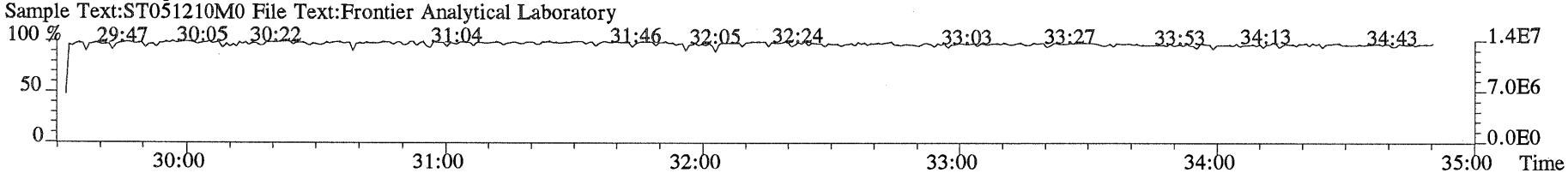
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



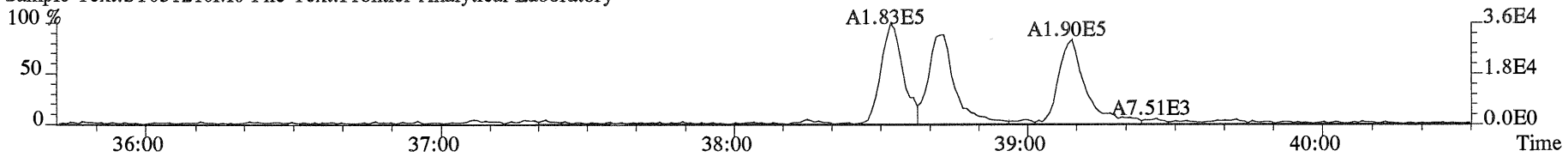
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
369.8919 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



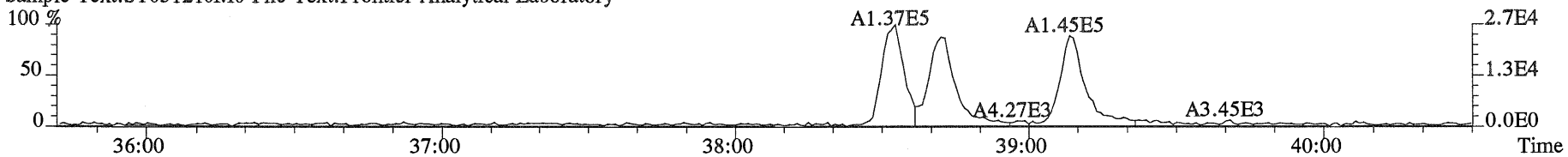
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
366.9792 F:2 Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



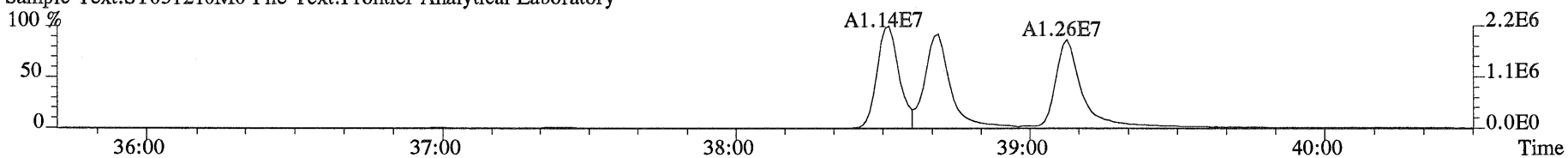
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



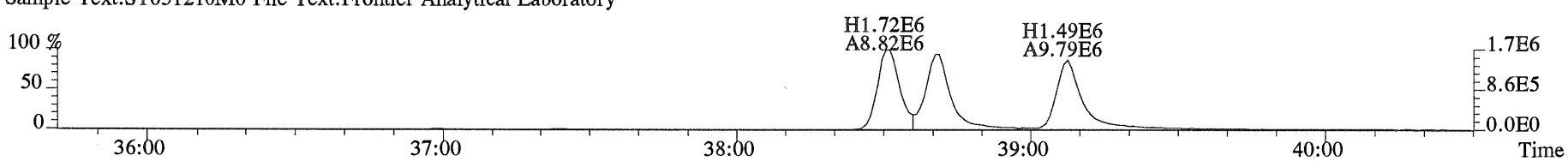
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



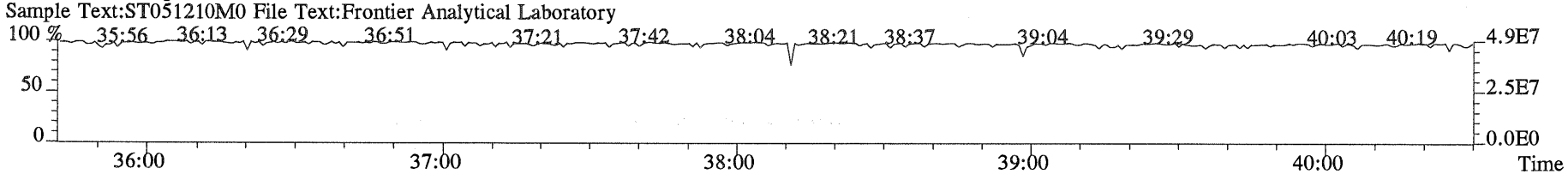
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



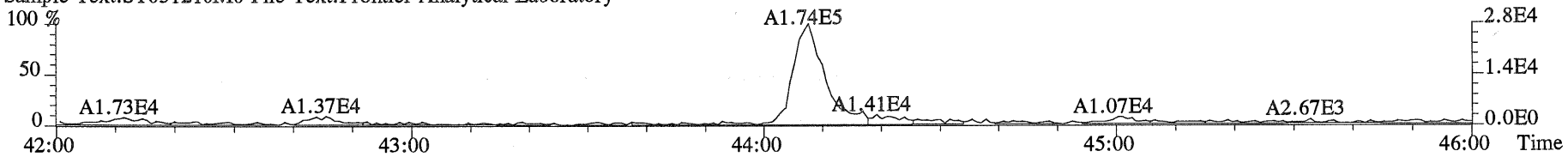
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



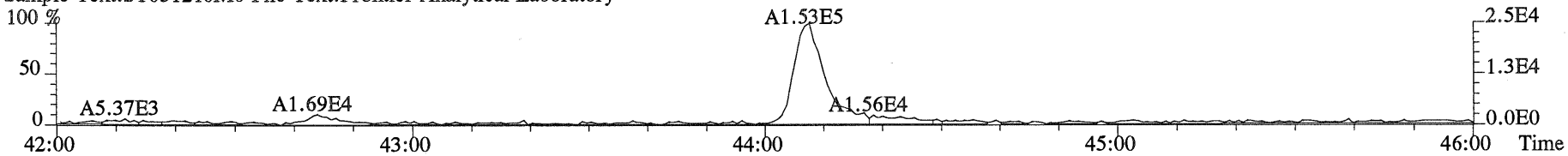
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
380.9760 F:3 Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



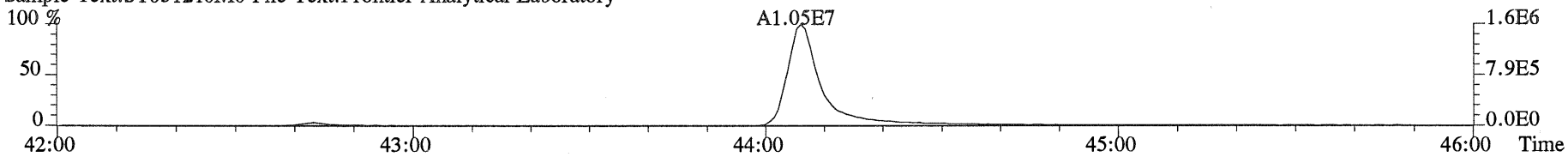
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



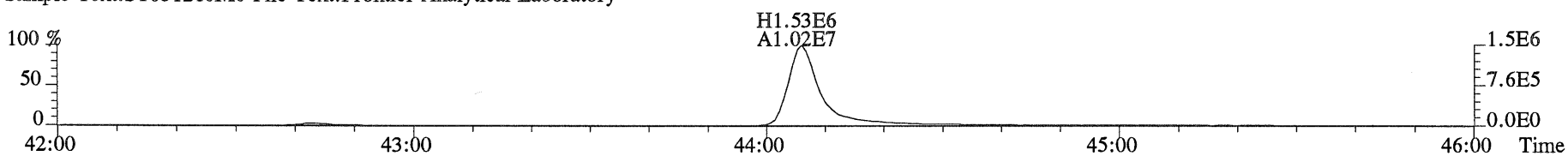
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



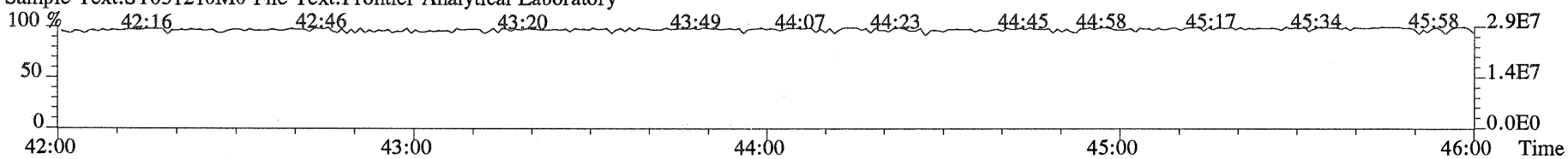
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



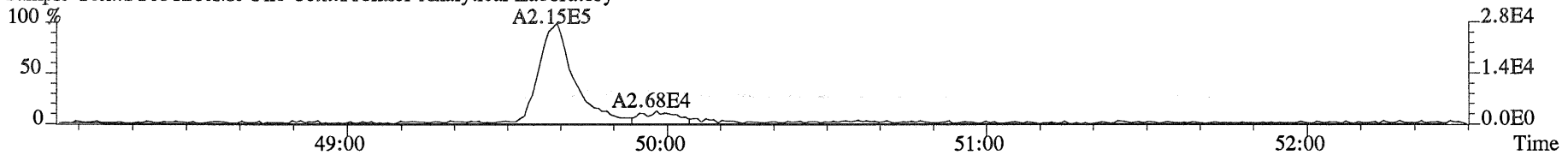
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



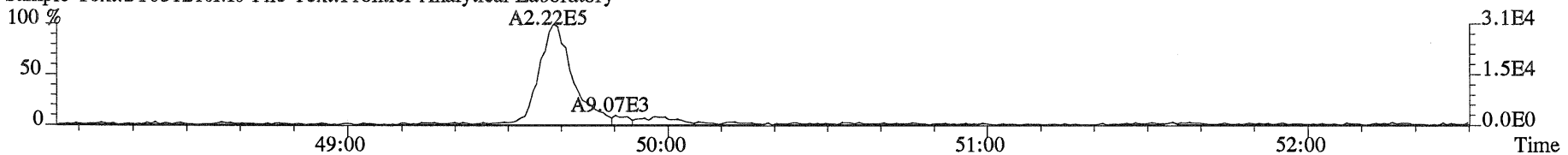
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
430.9728 F:4 Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



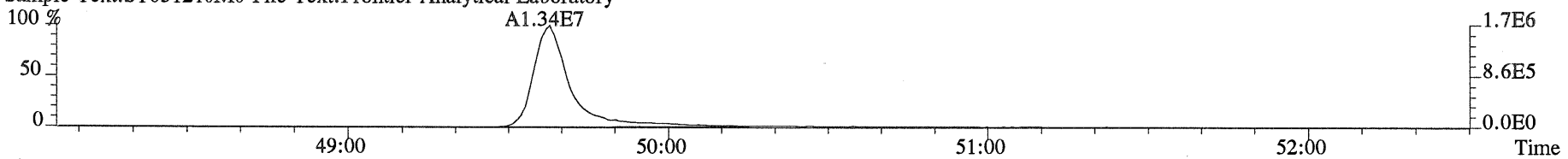
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



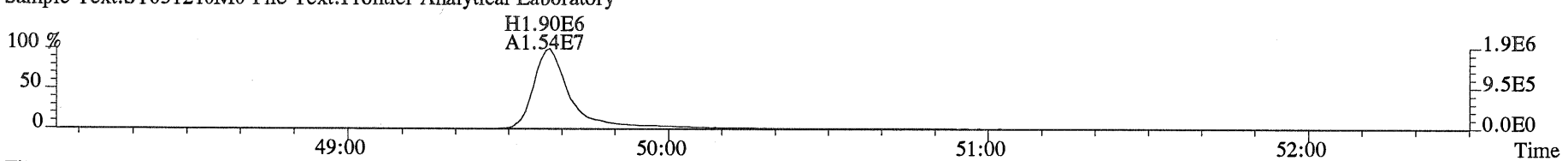
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



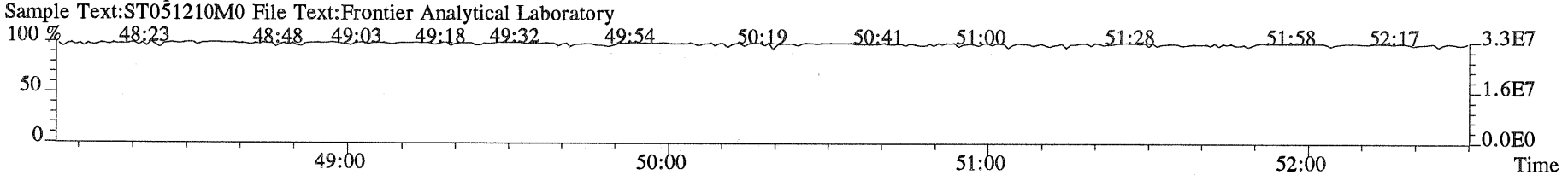
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



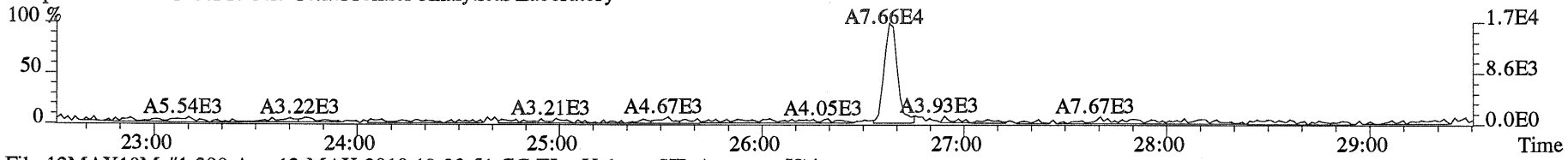
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



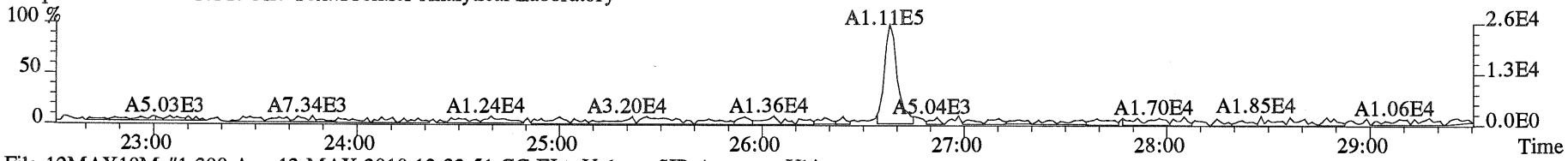
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



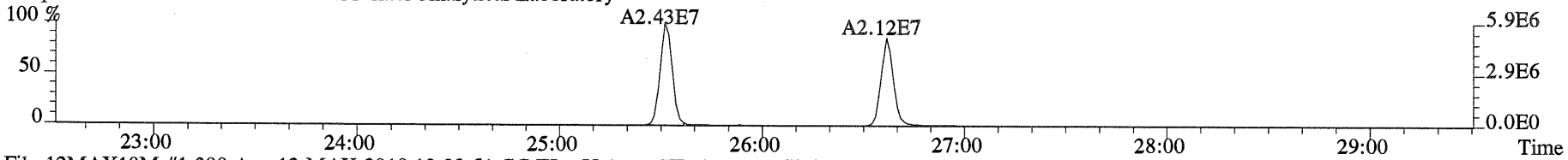
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



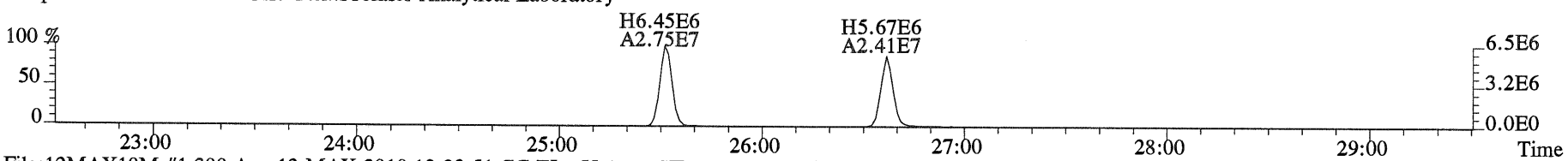
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



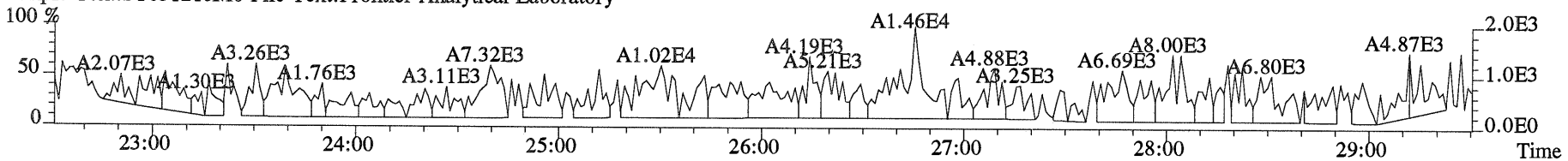
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



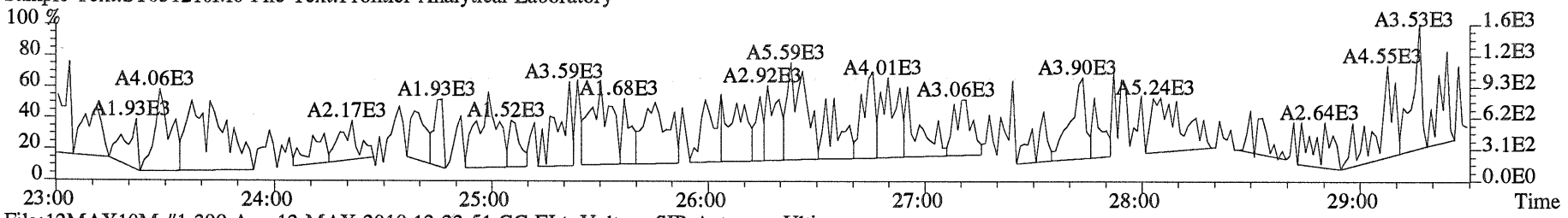
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



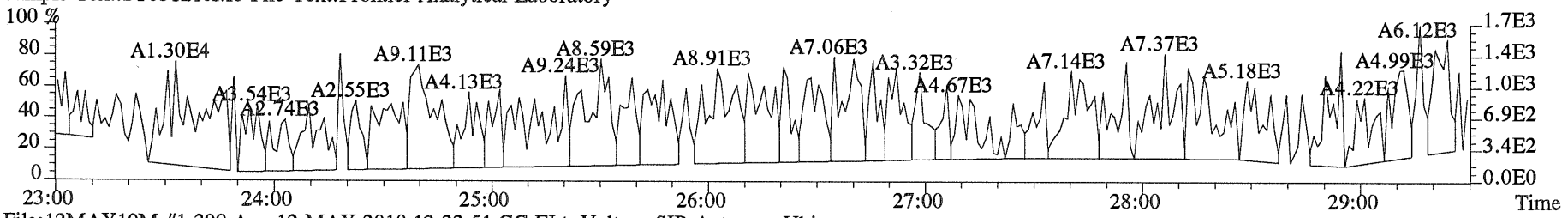
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



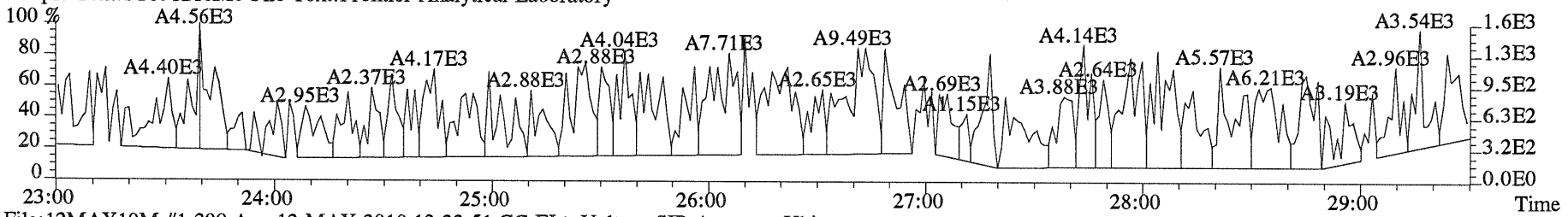
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



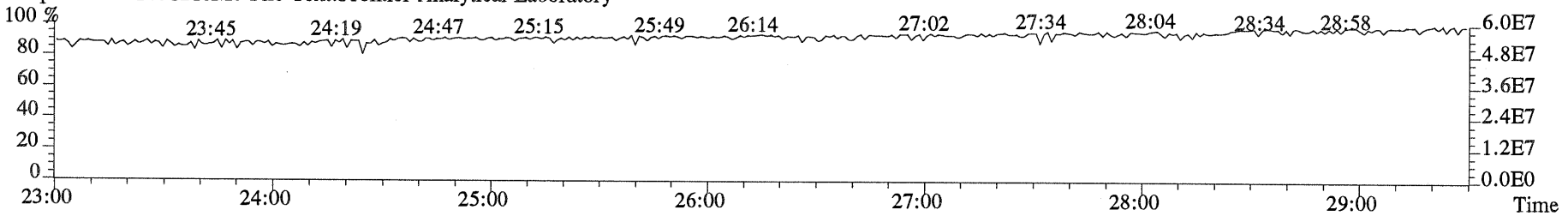
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



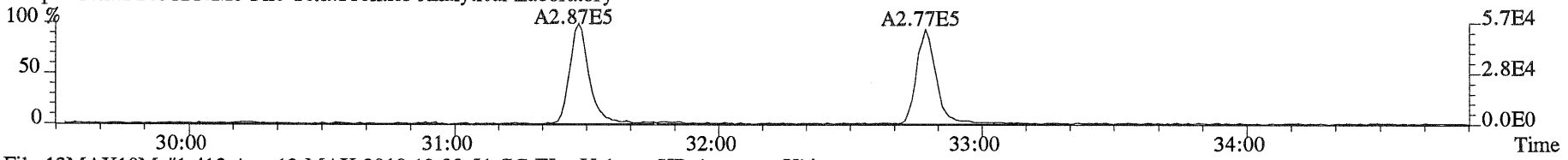
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



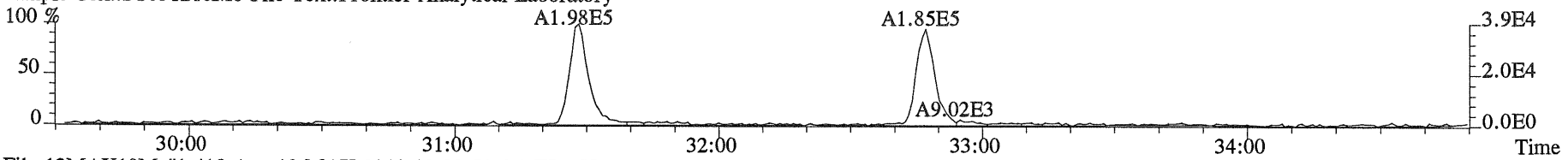
File:12MAY10M #1-390 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
330.9792 Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



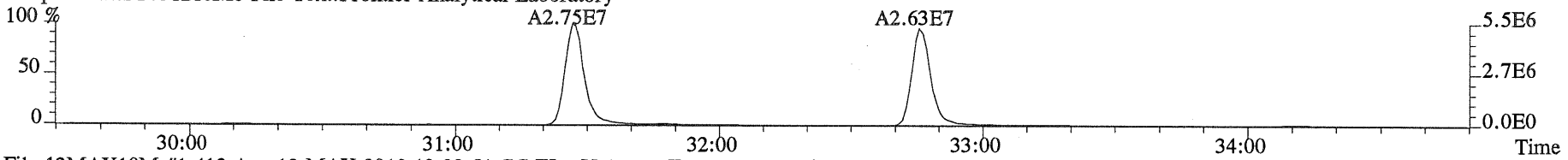
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



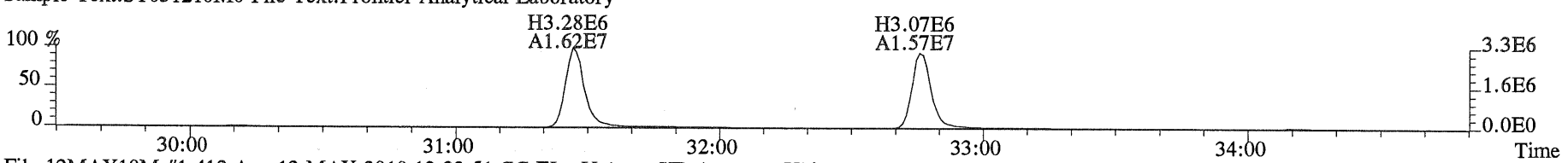
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



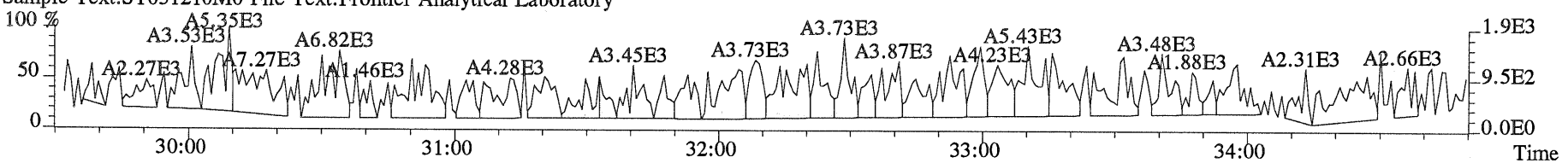
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



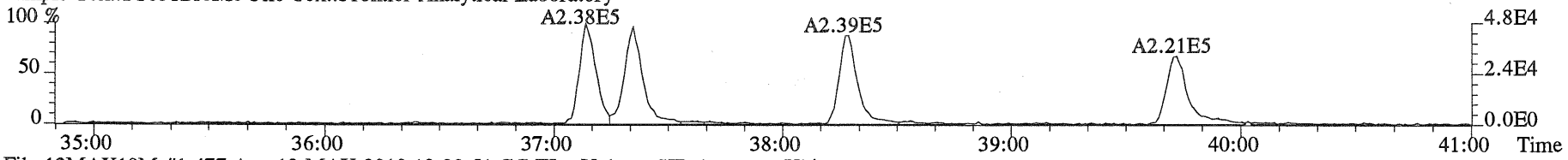
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



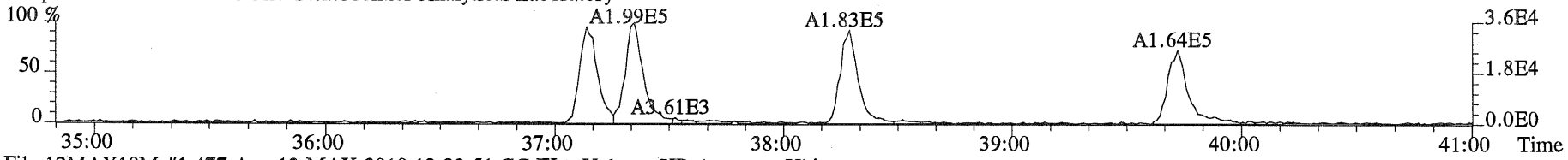
File:12MAY10M #1-412 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



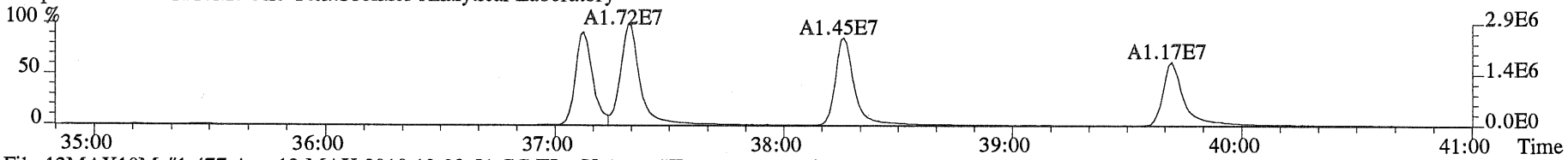
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



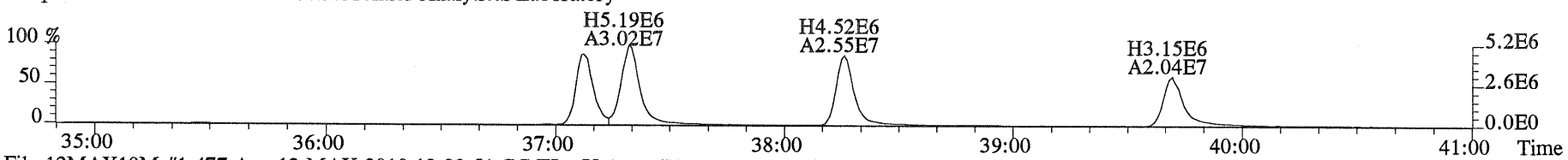
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



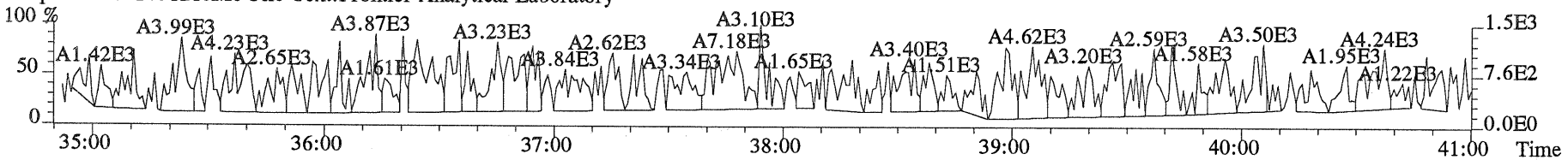
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



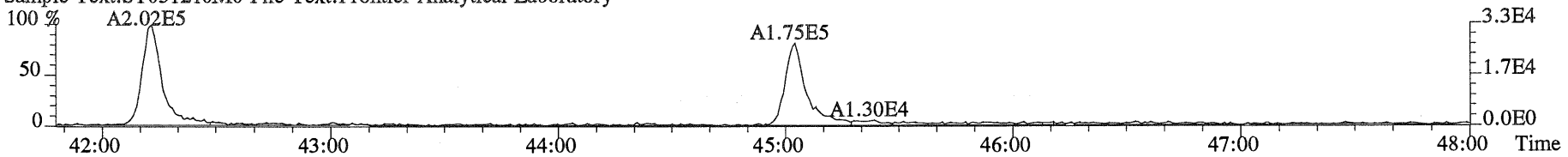
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



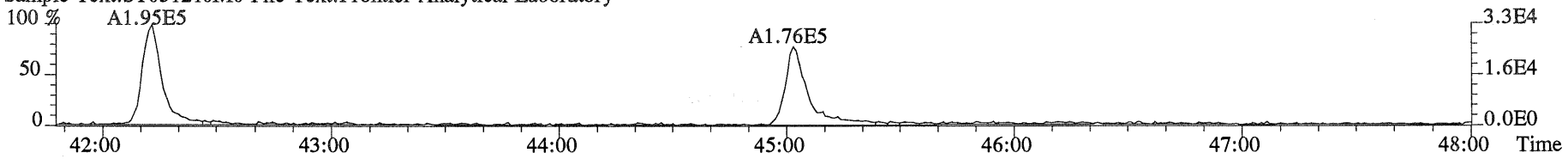
File:12MAY10M #1-477 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



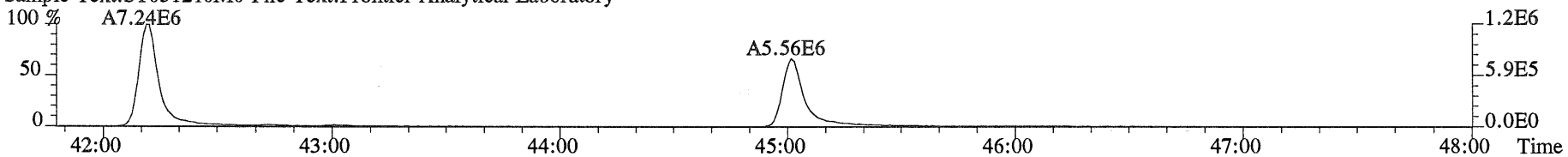
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



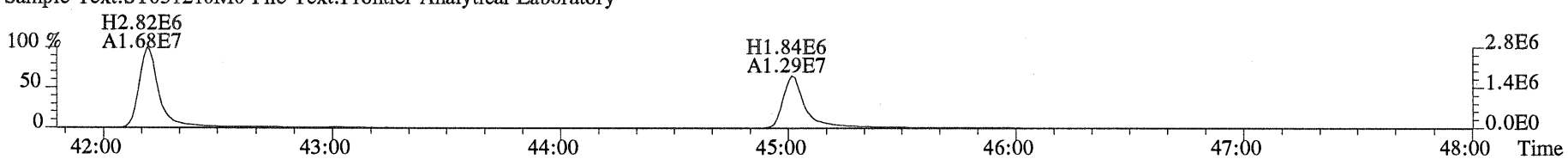
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



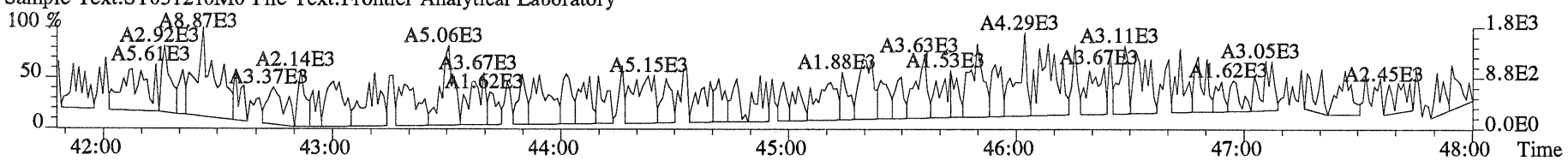
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



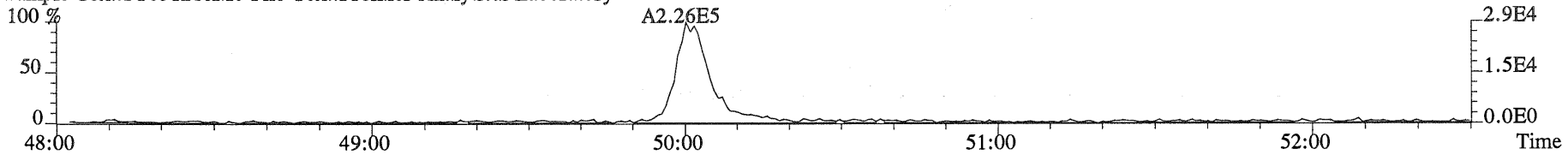
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



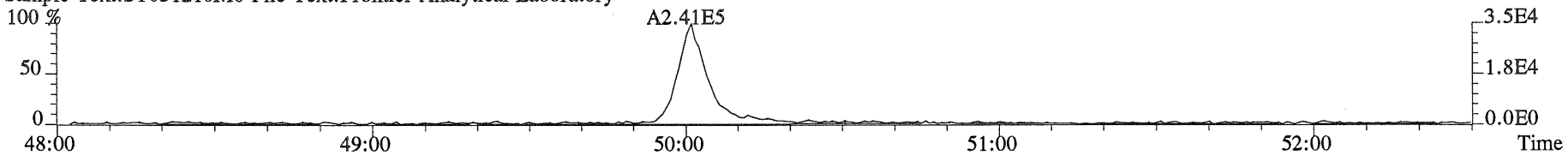
File:12MAY10M #1-541 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



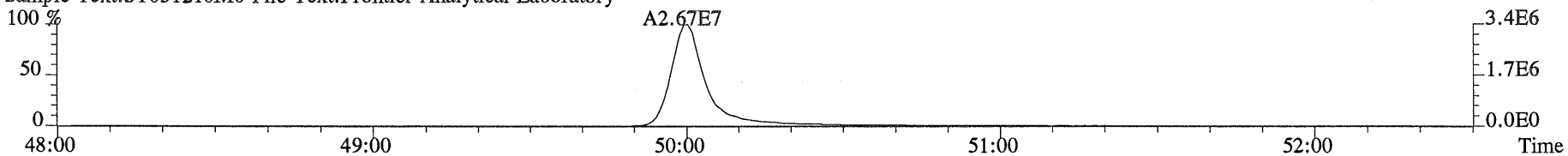
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



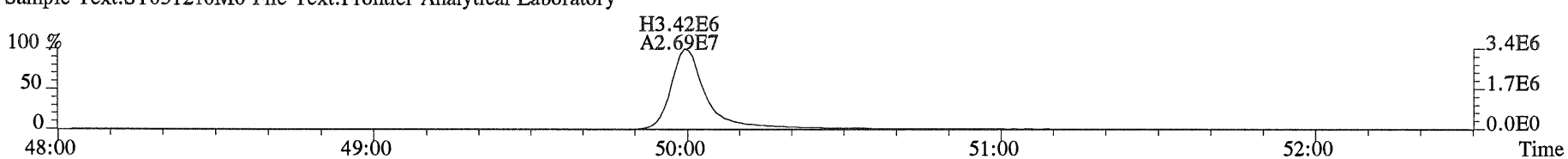
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



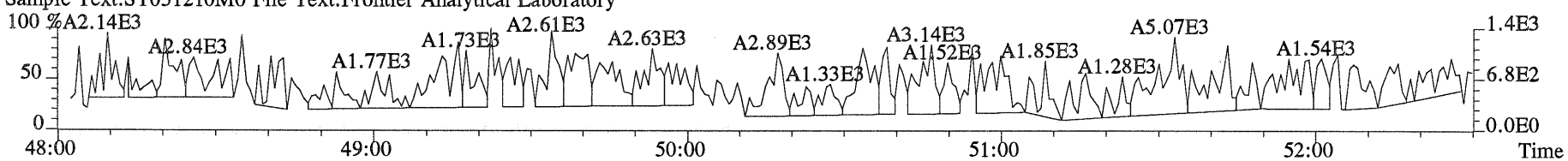
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



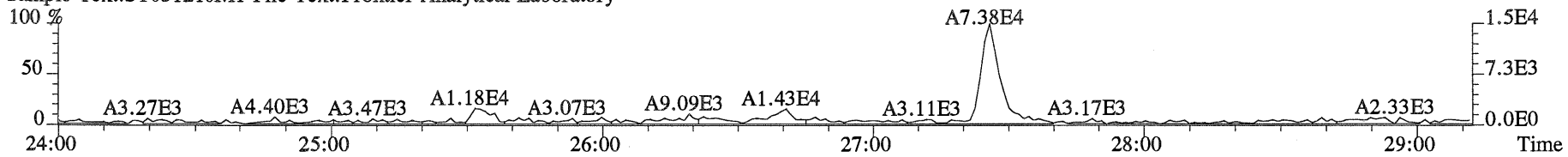
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



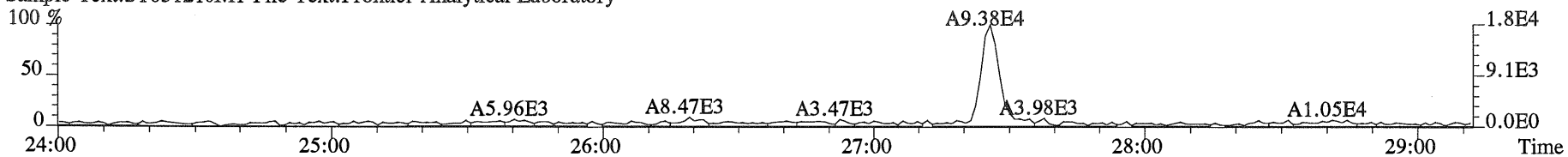
File:12MAY10M #1-347 Acq:12-MAY-2010 13:22:51 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M0 File Text:Frontier Analytical Laboratory



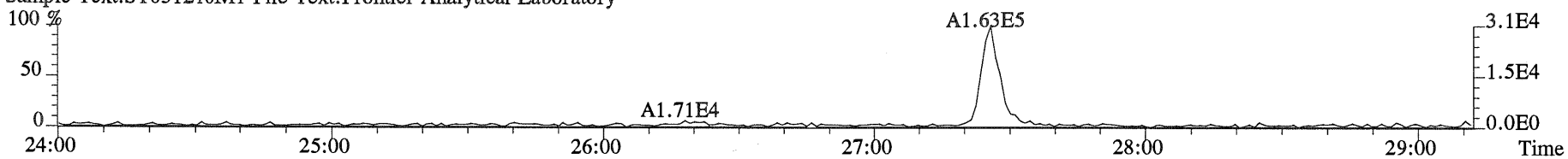
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



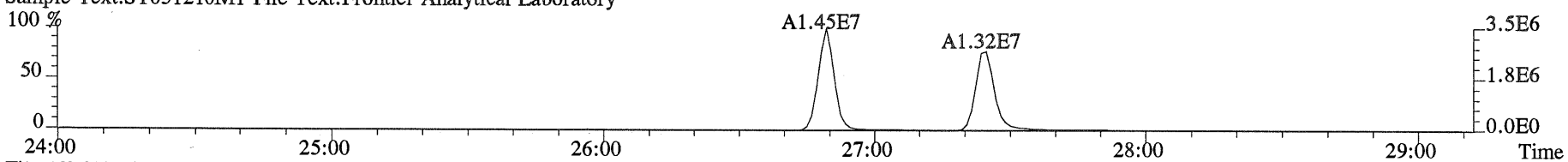
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



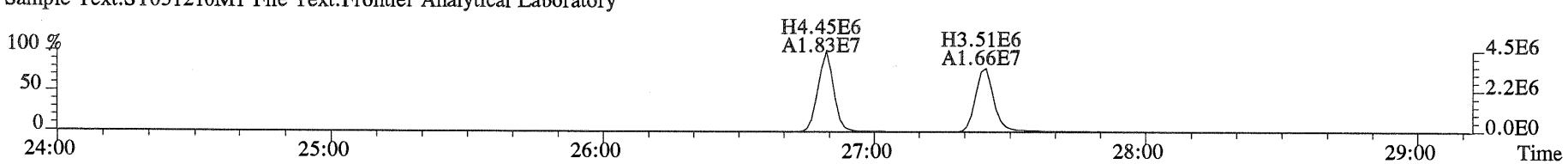
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



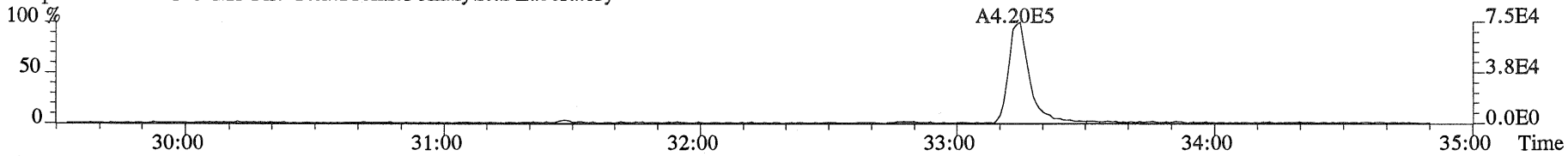
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



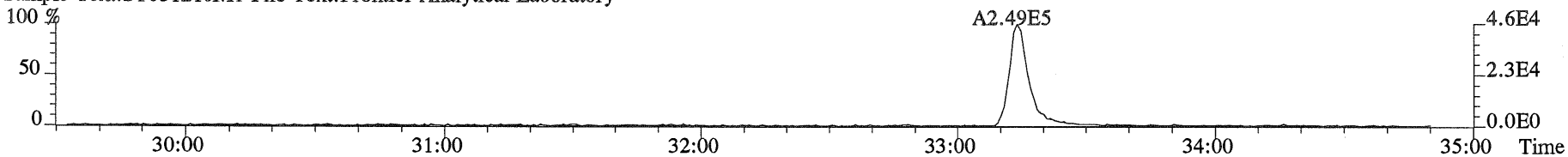
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



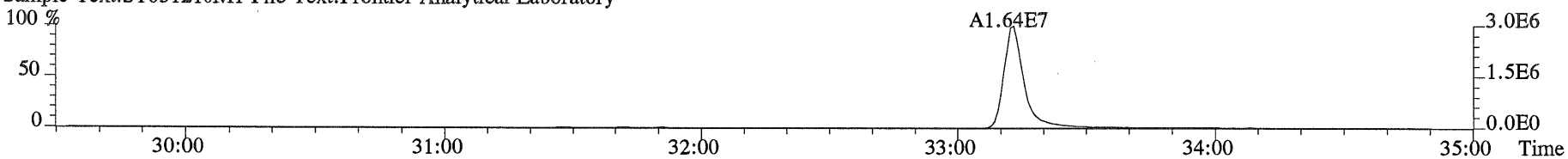
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



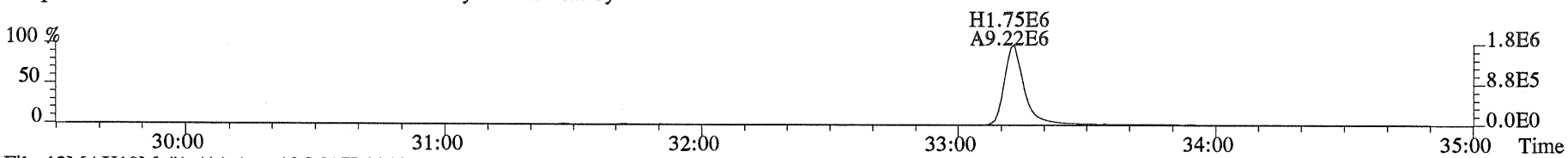
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



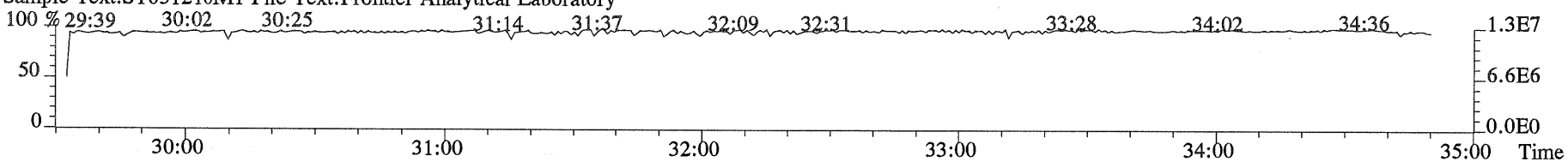
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



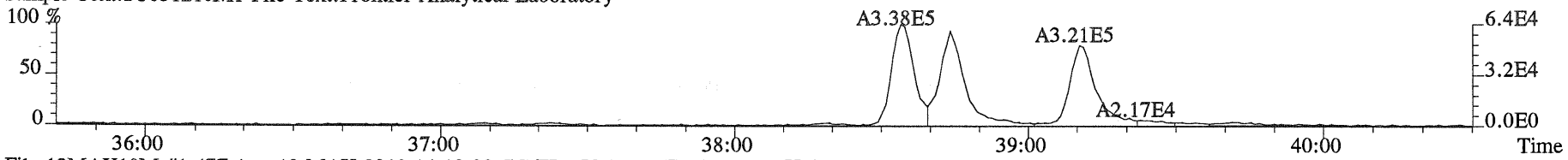
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



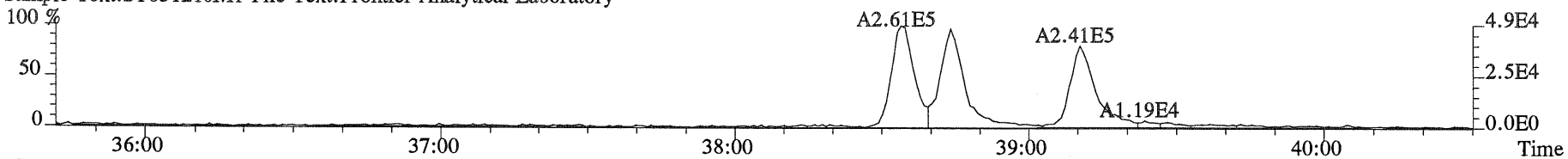
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



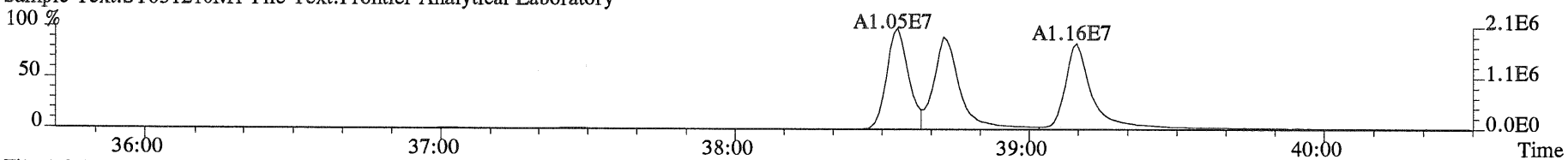
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



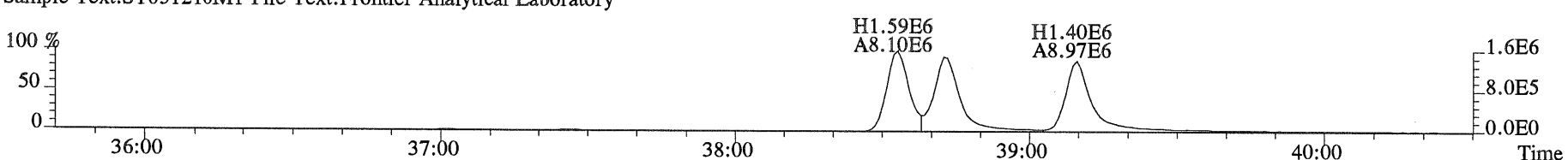
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



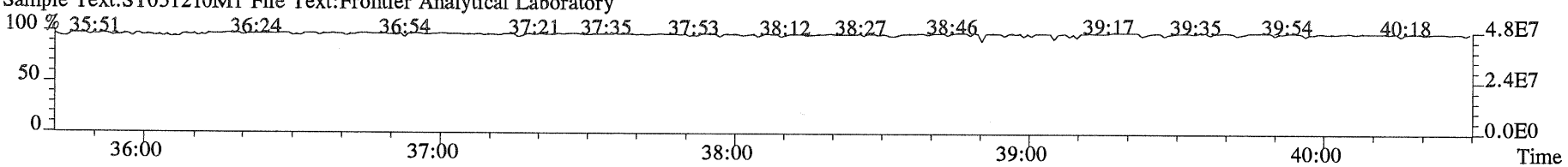
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



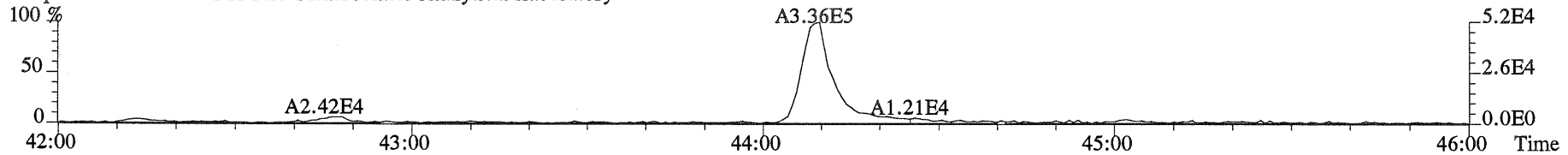
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



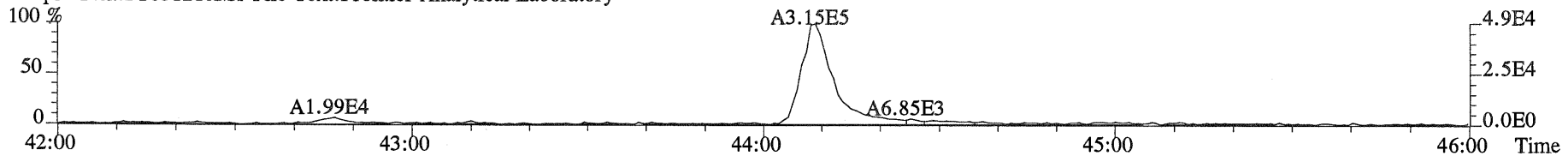
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:2 F:3 Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



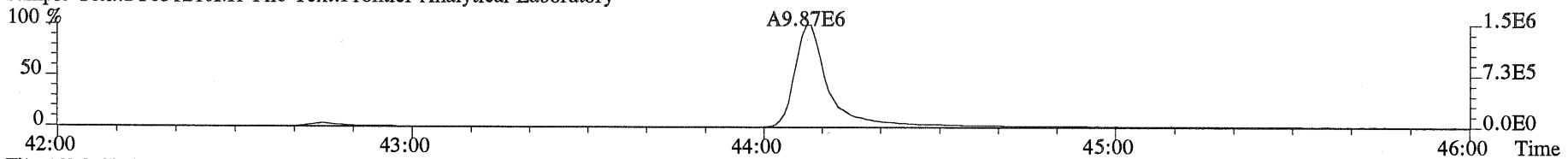
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



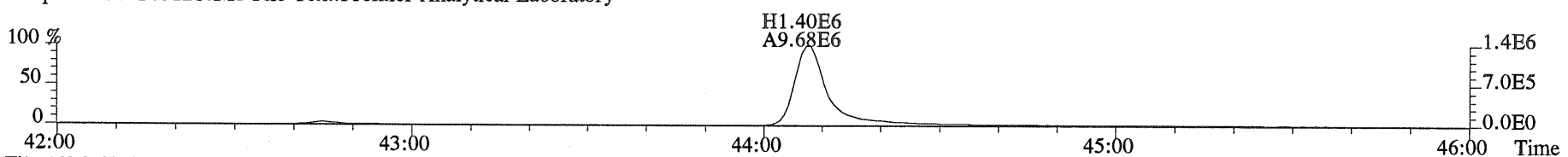
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



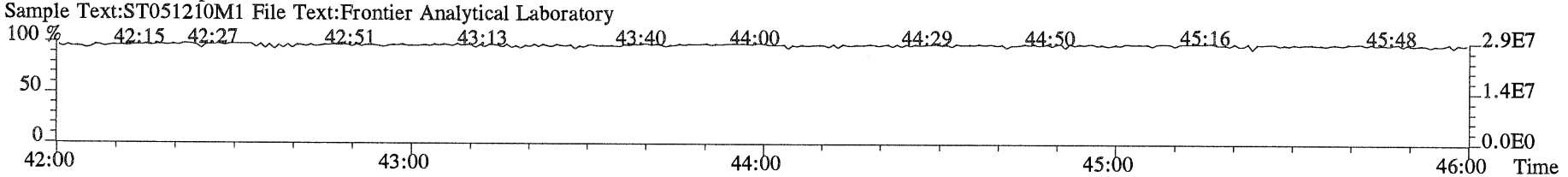
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



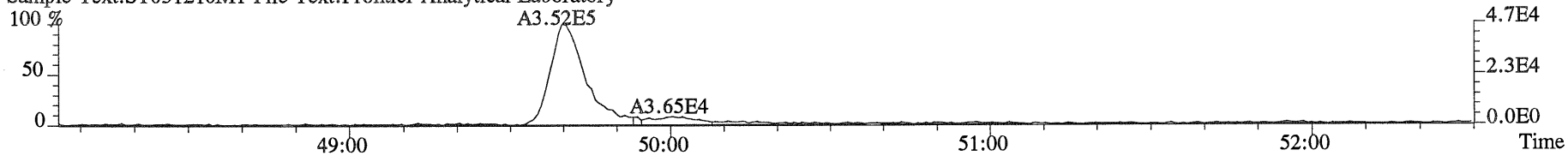
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory

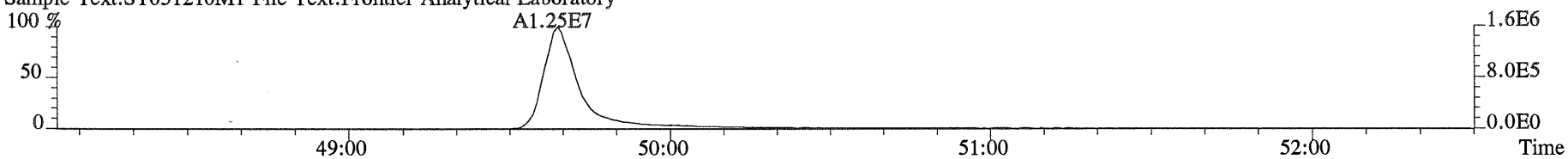


File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory

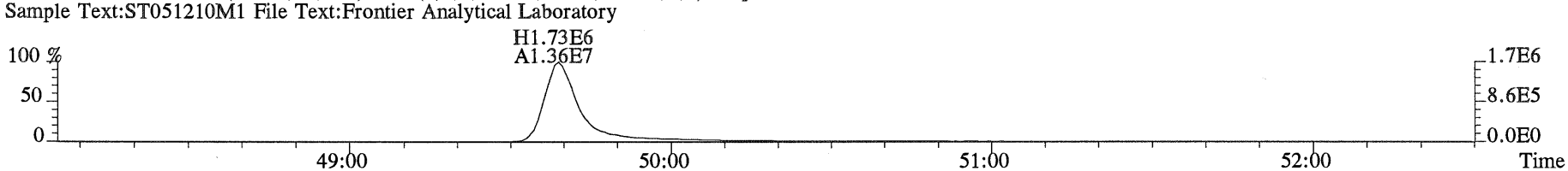


File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory

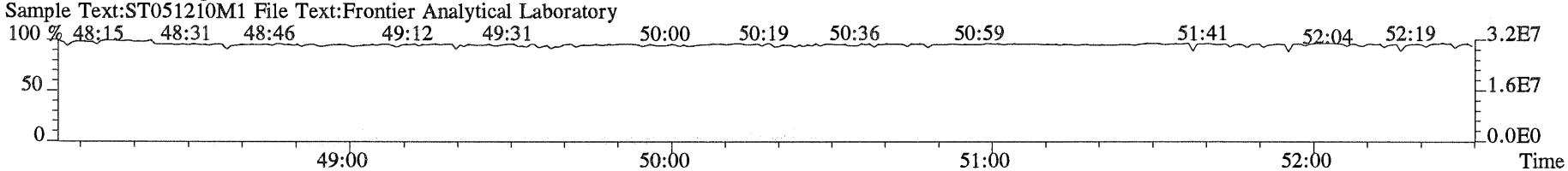
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



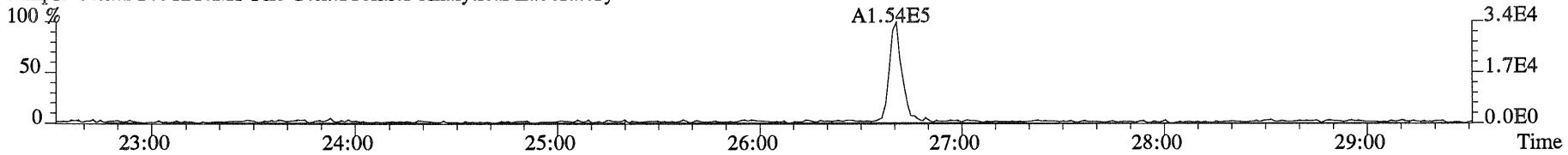
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



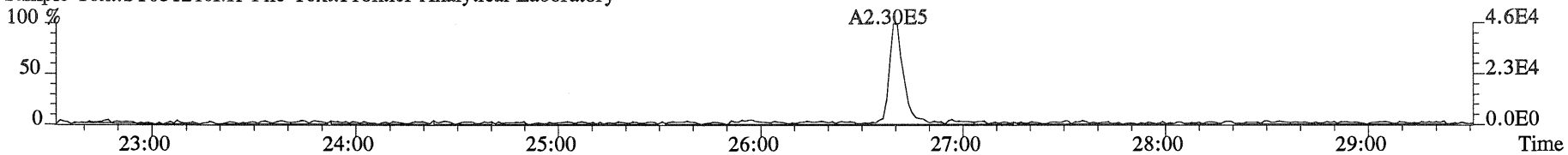
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



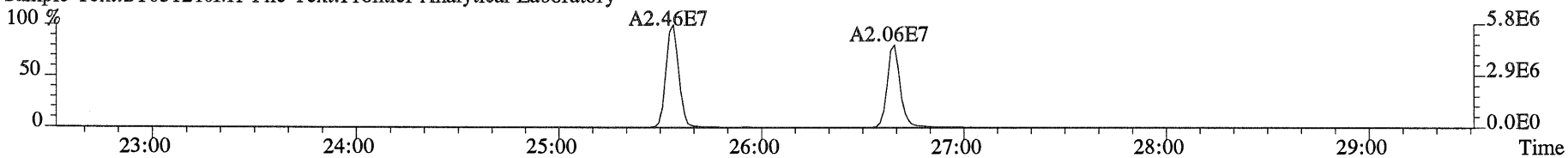
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



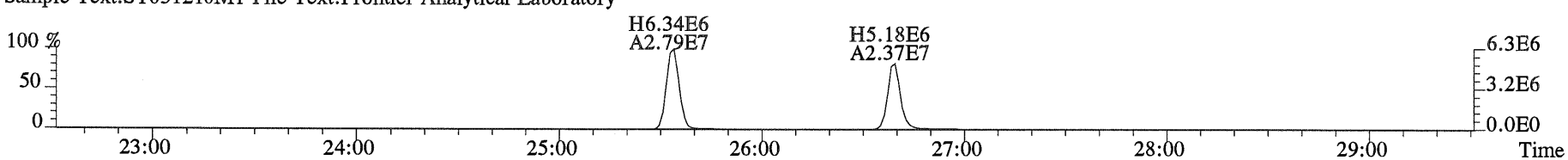
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



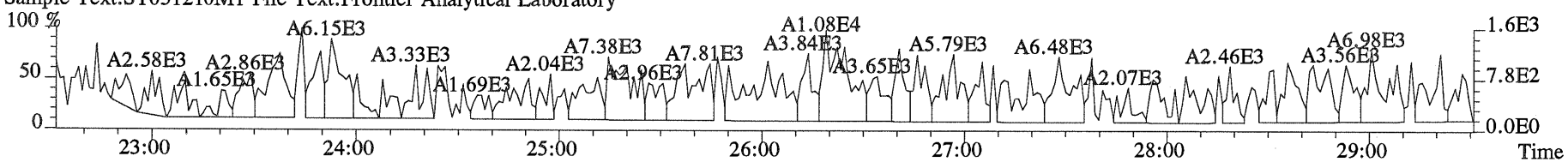
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



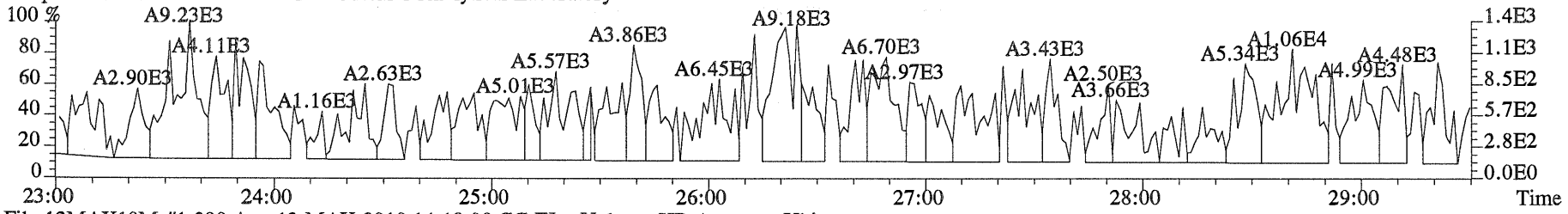
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



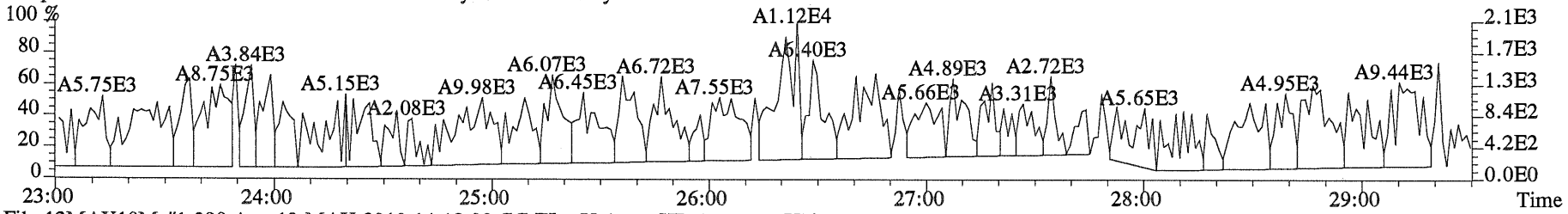
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



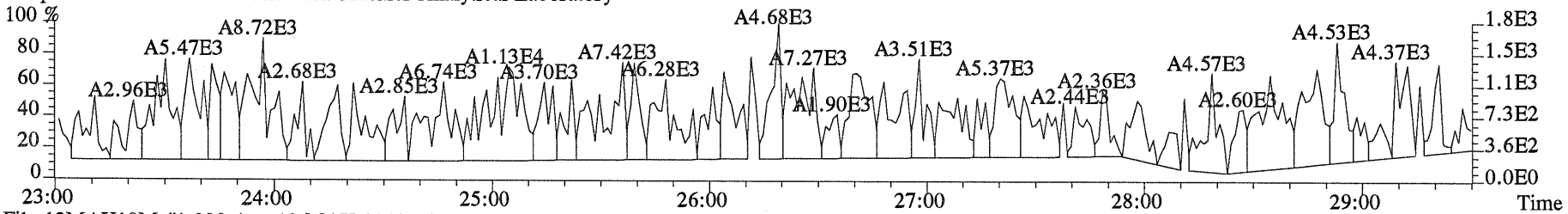
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



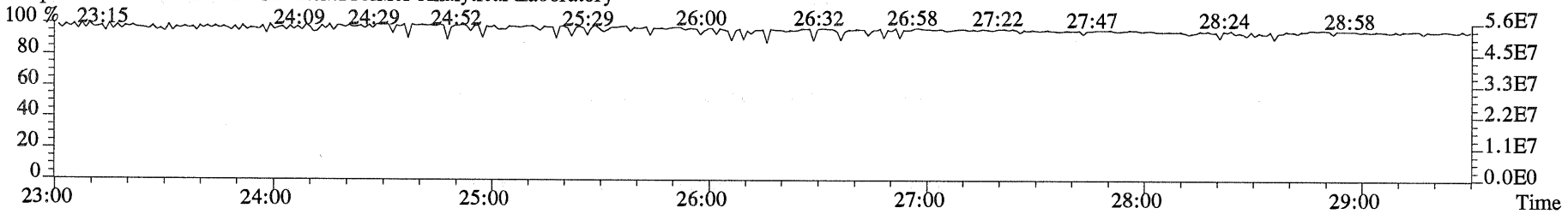
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



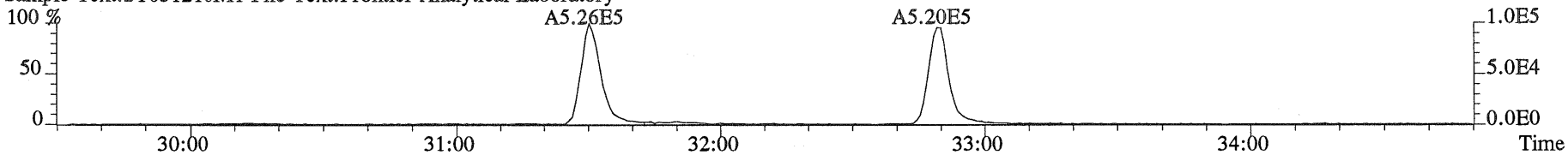
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



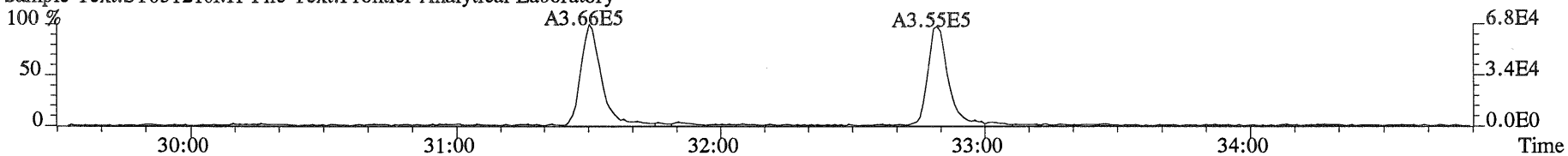
File:12MAY10M #1-390 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:2 Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



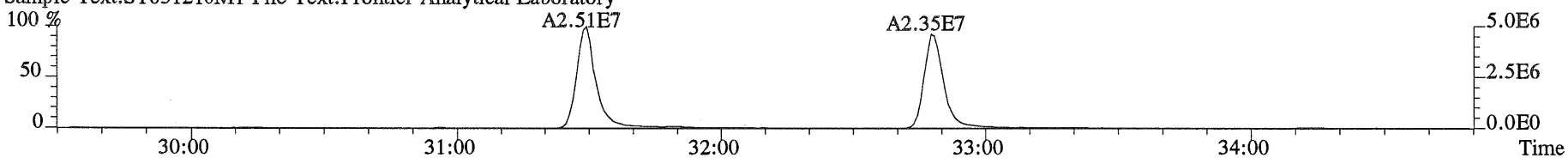
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



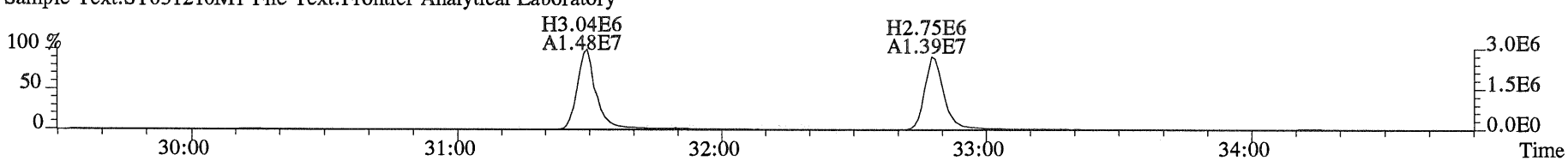
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



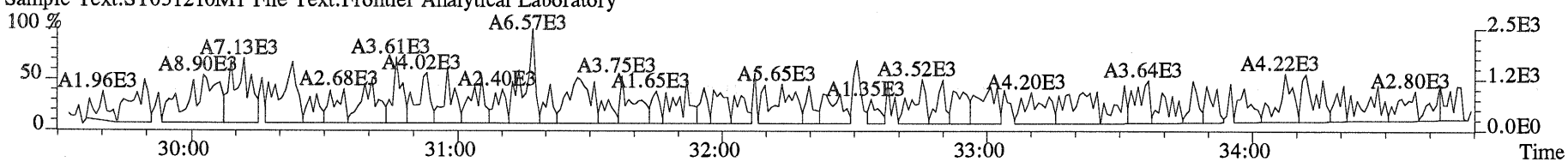
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



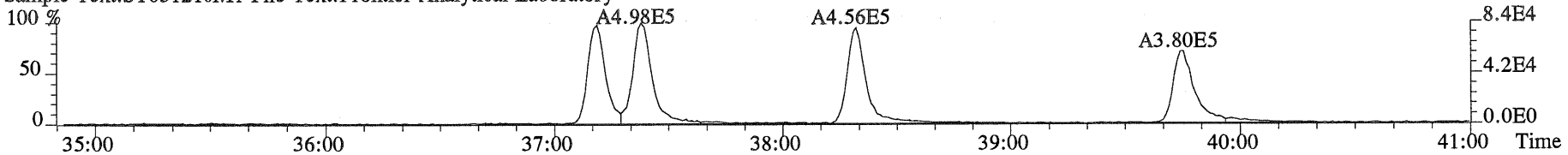
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



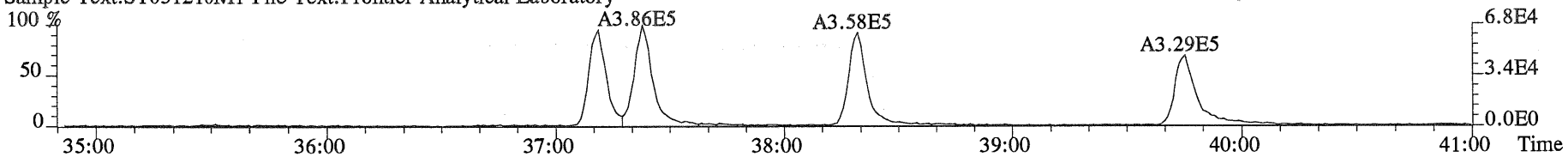
File:12MAY10M #1-411 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



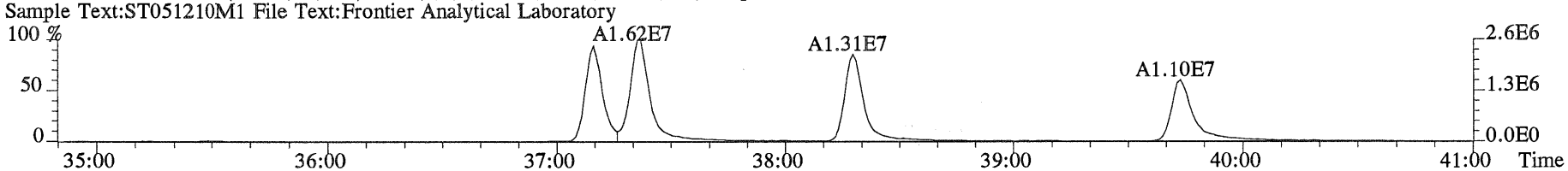
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



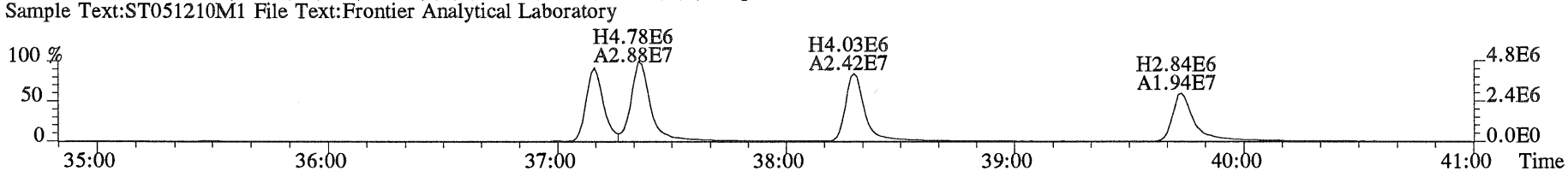
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



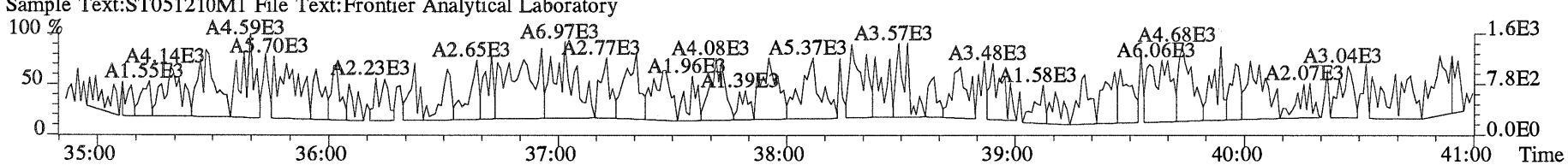
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



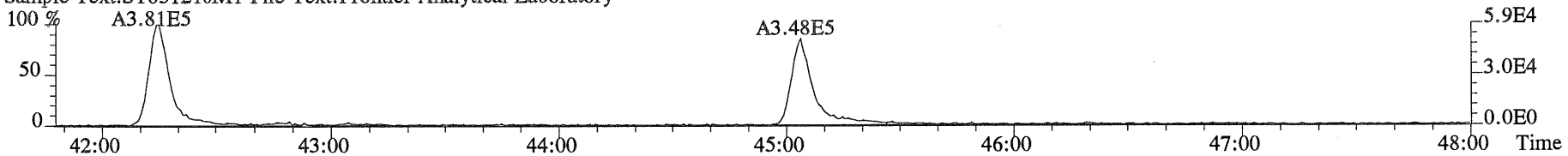
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



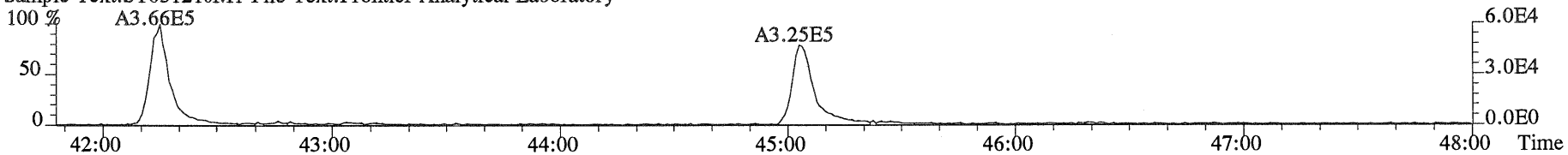
File:12MAY10M #1-477 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



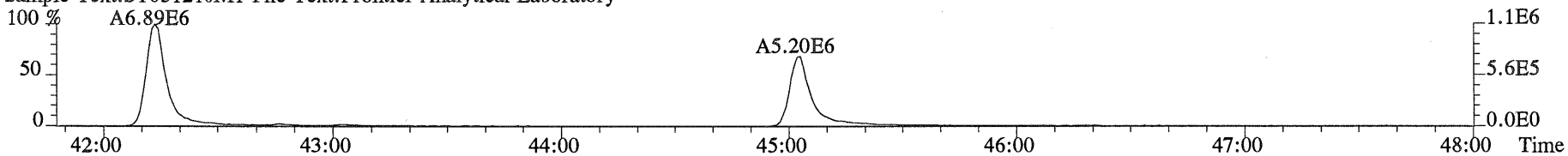
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



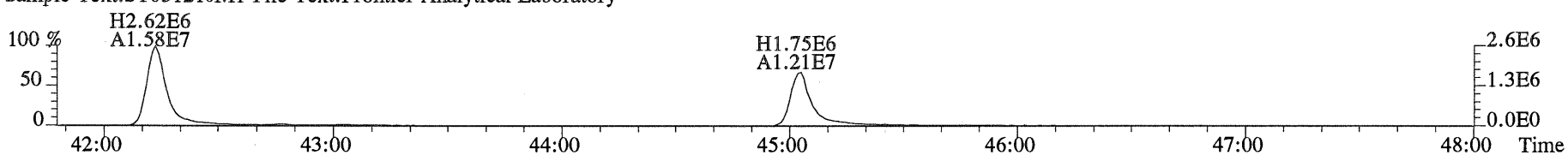
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



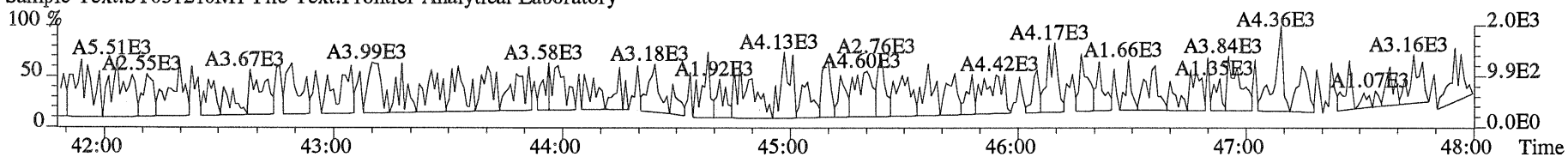
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



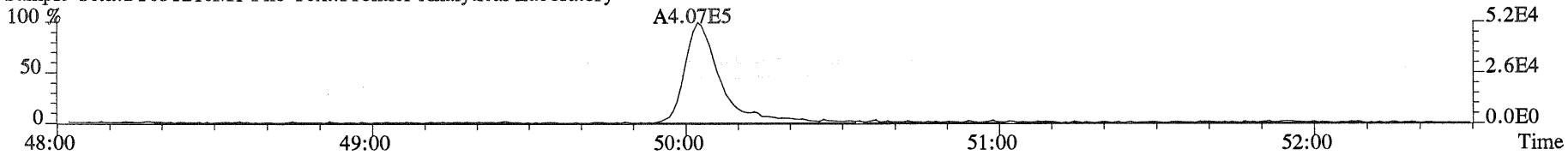
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



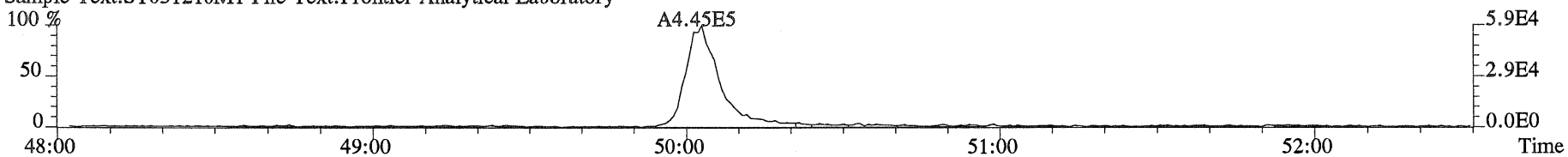
File:12MAY10M #1-541 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



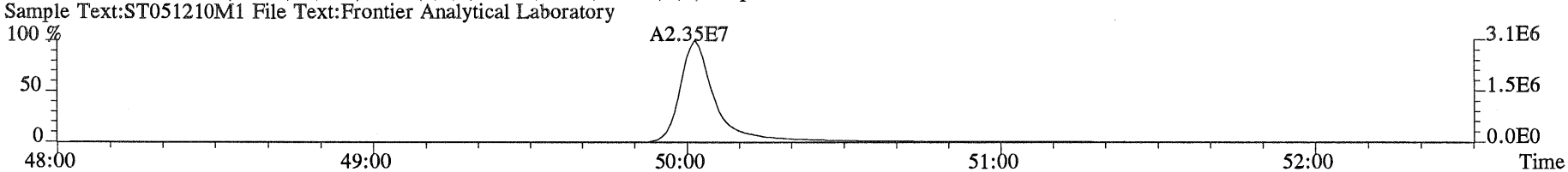
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



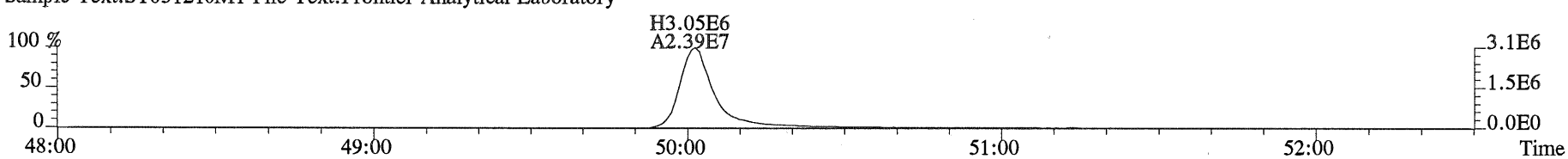
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



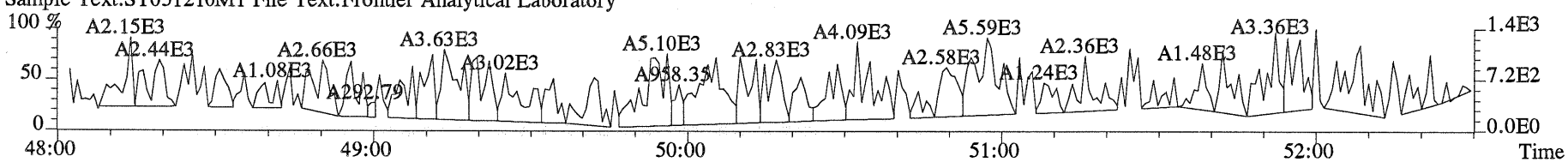
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



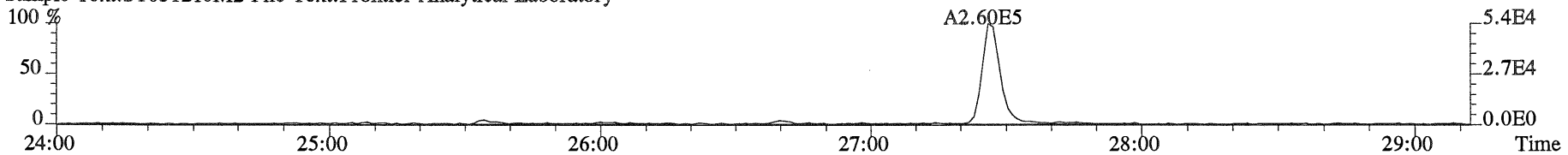
File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory



File:12MAY10M #1-347 Acq:12-MAY-2010 14:18:09 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M1 File Text:Frontier Analytical Laboratory

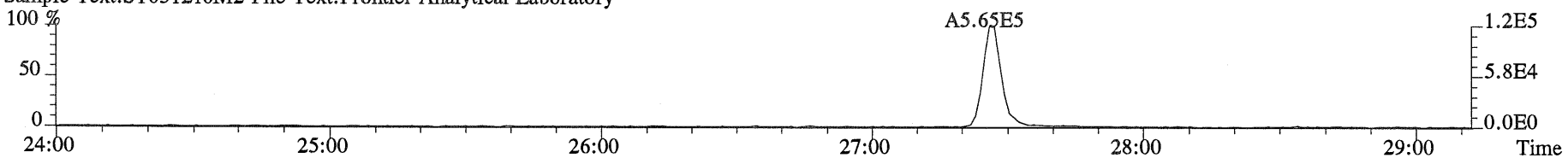


File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory

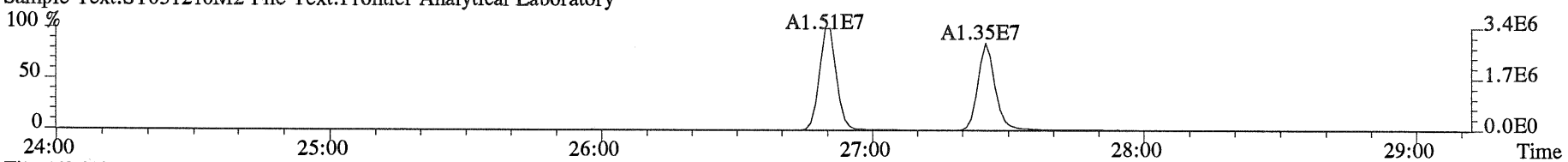


File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory

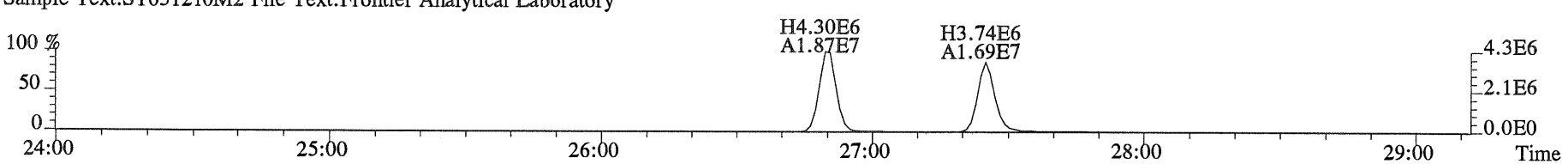
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



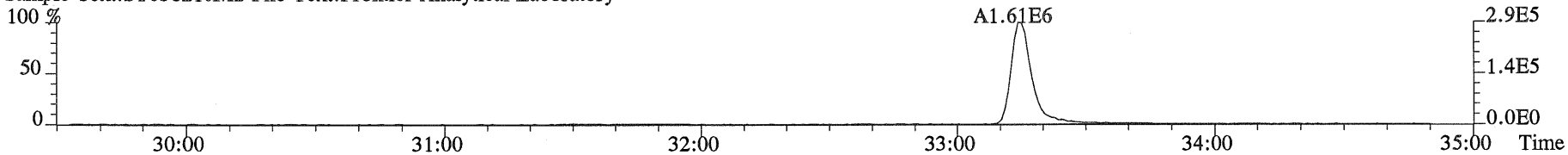
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



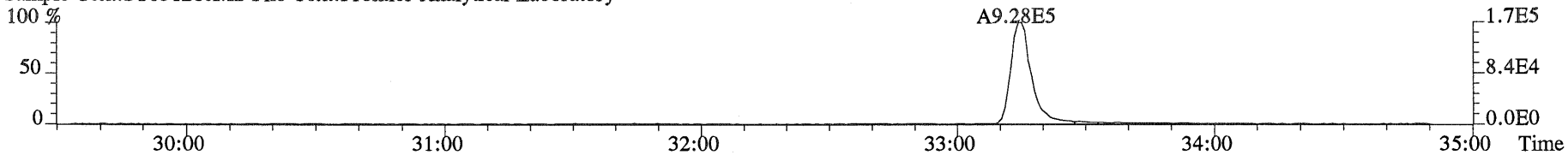
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



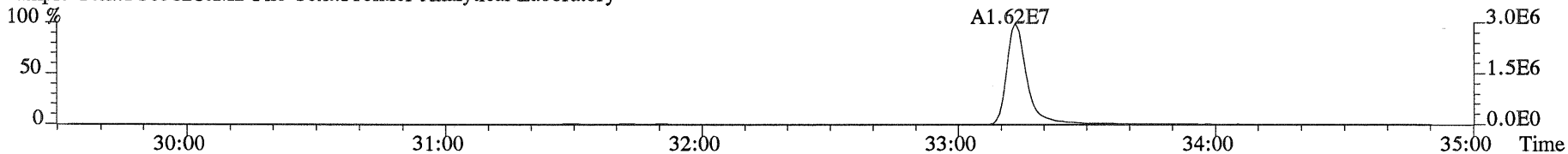
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



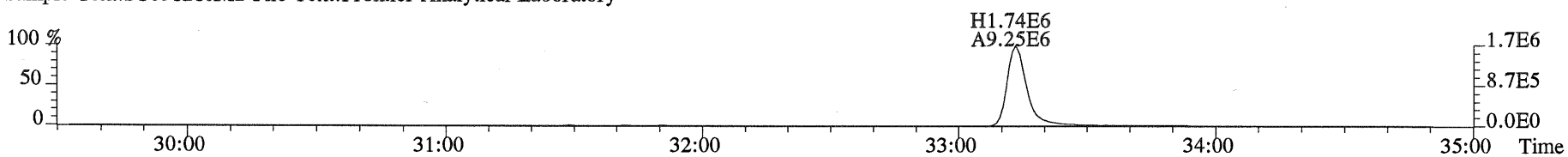
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



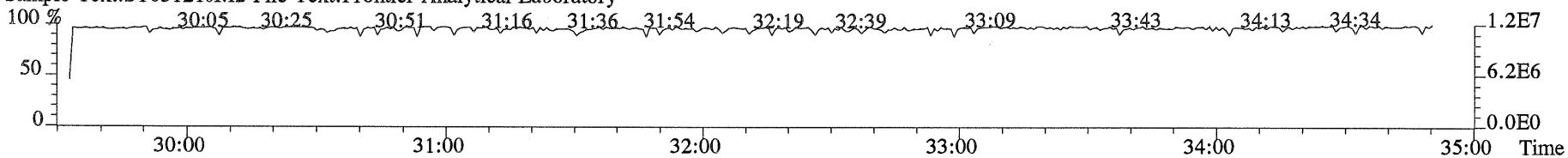
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



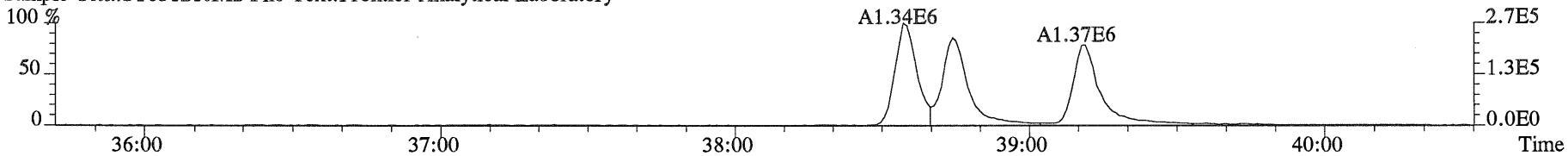
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



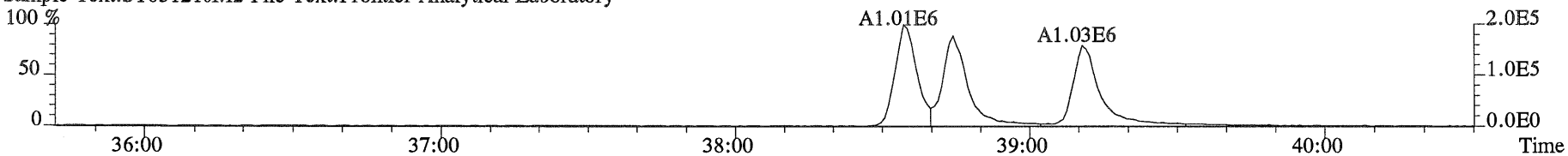
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



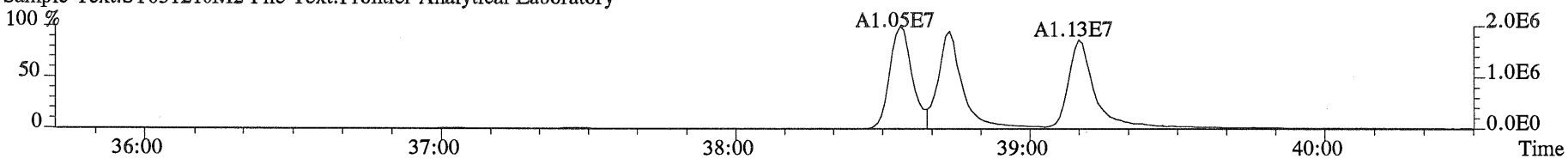
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



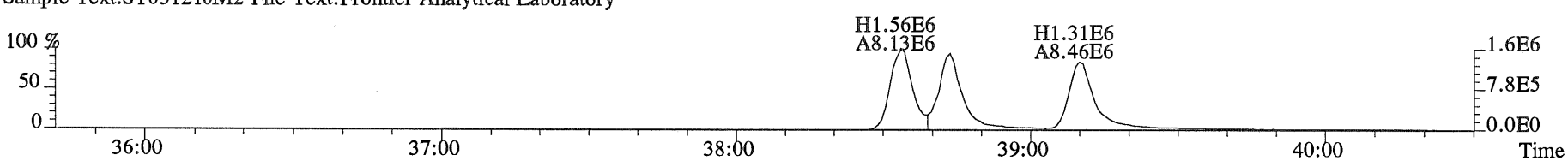
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



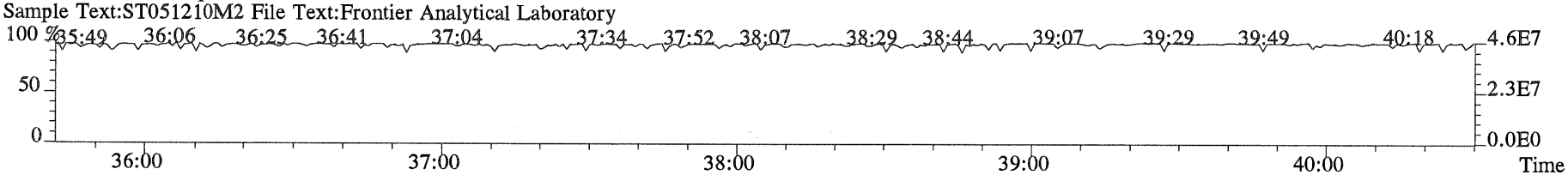
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



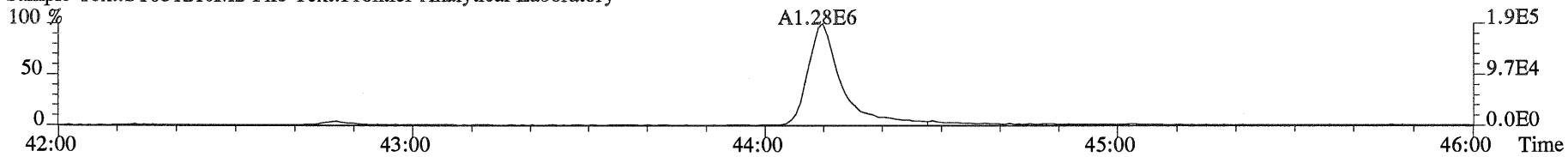
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



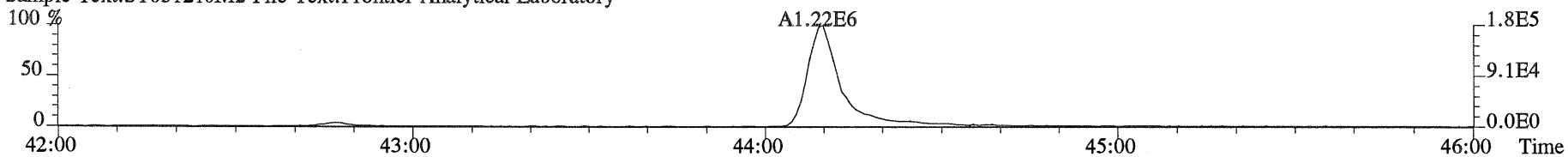
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:3 F:3 Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



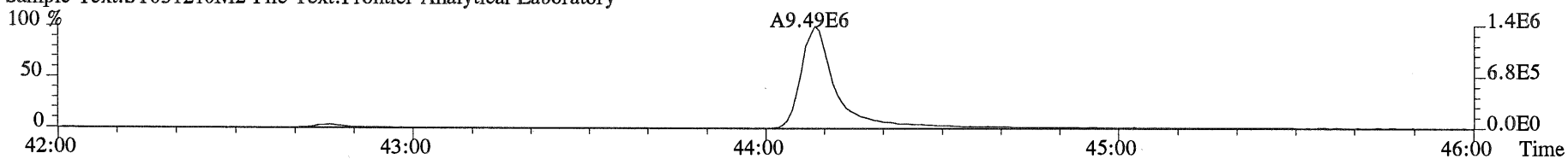
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



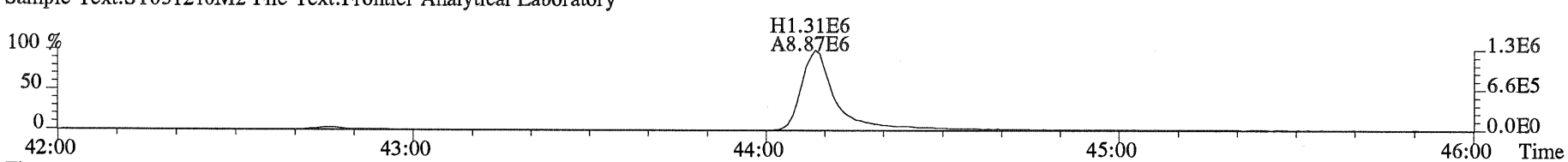
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



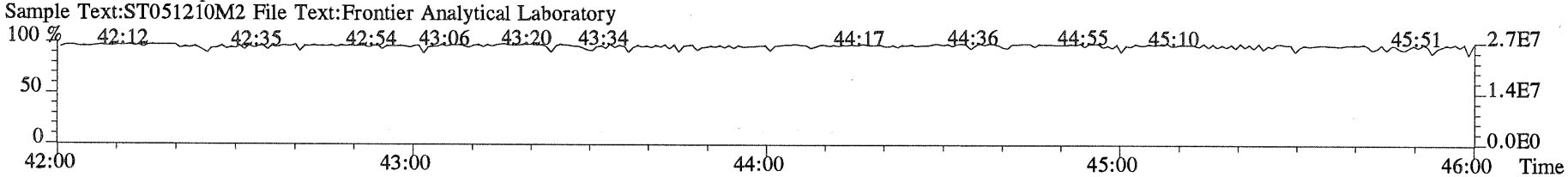
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



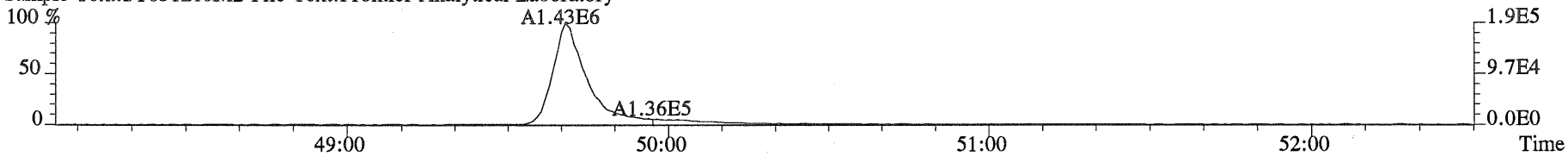
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



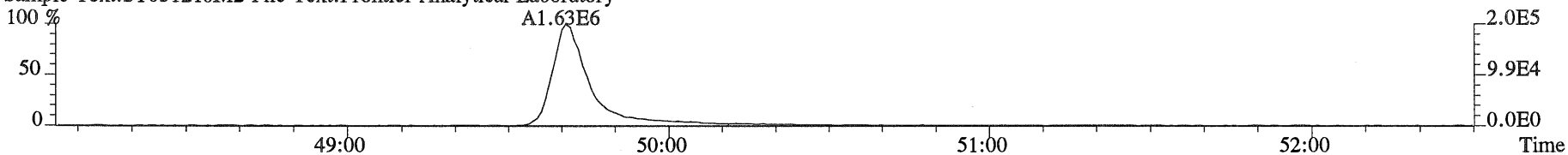
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:3 F:4 Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



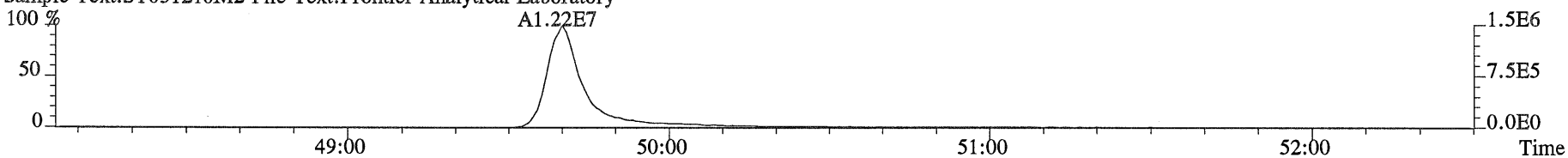
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



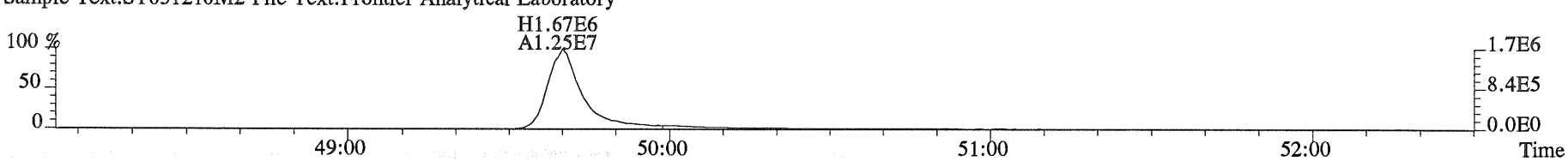
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



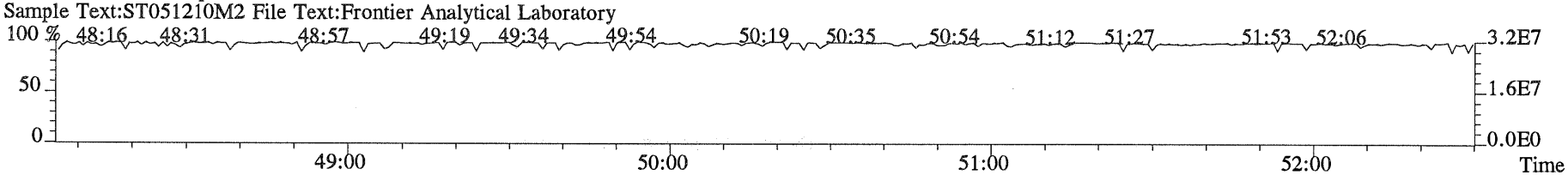
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



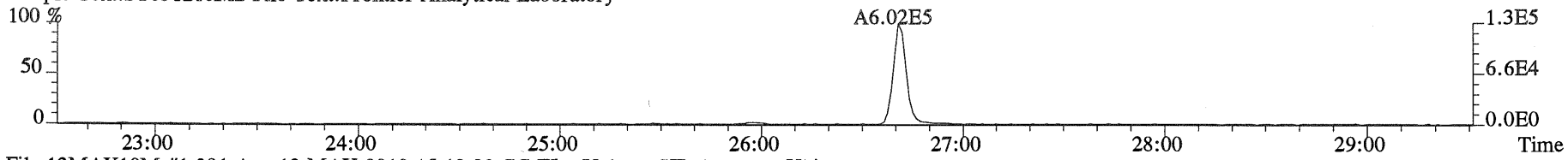
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



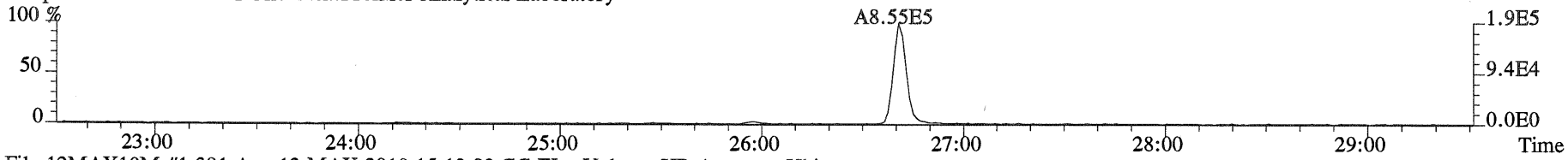
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:3 F:5 Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



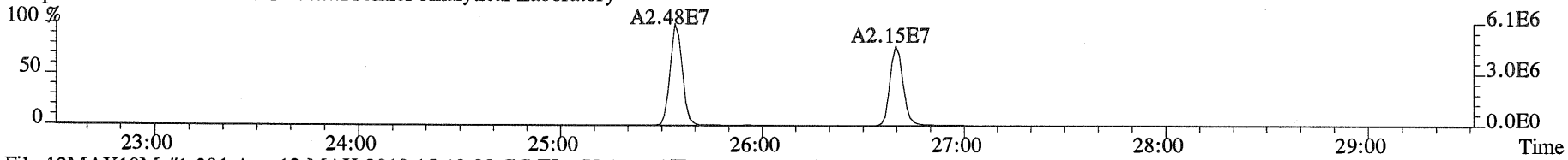
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



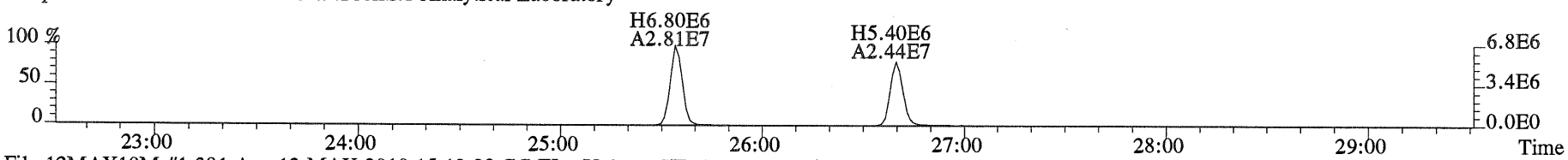
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



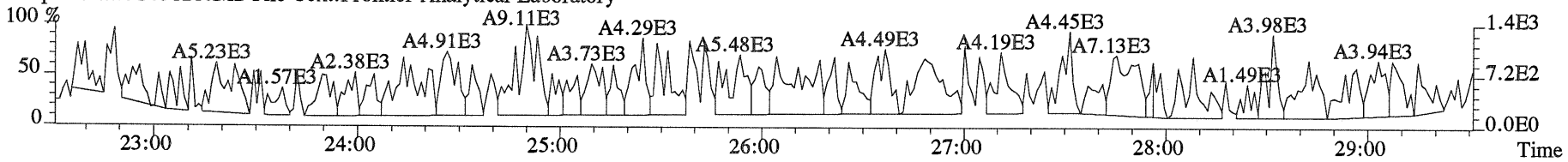
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



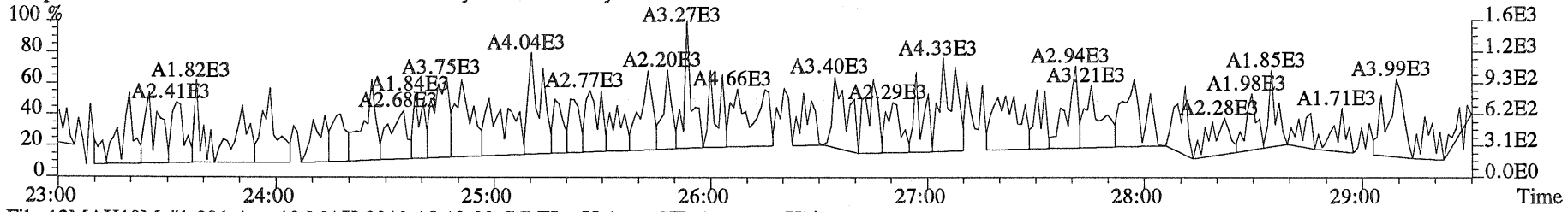
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



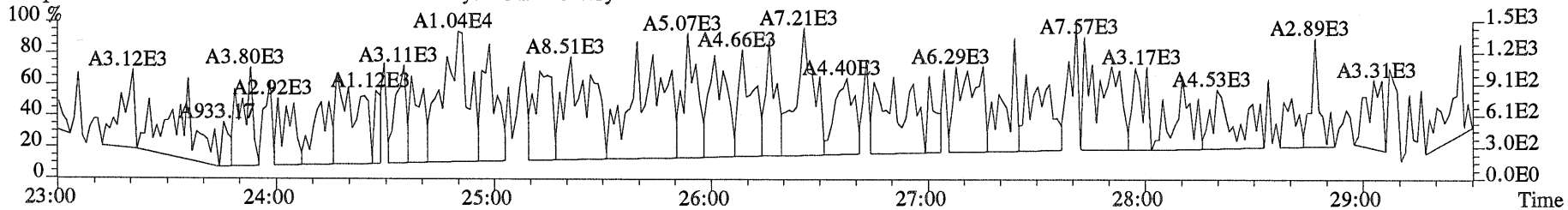
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



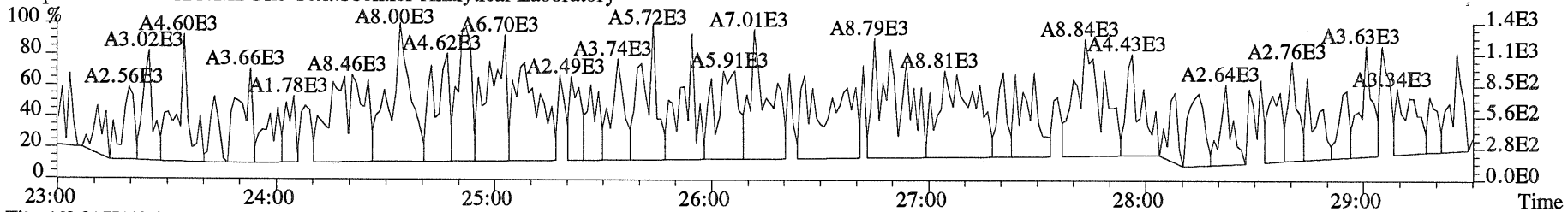
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



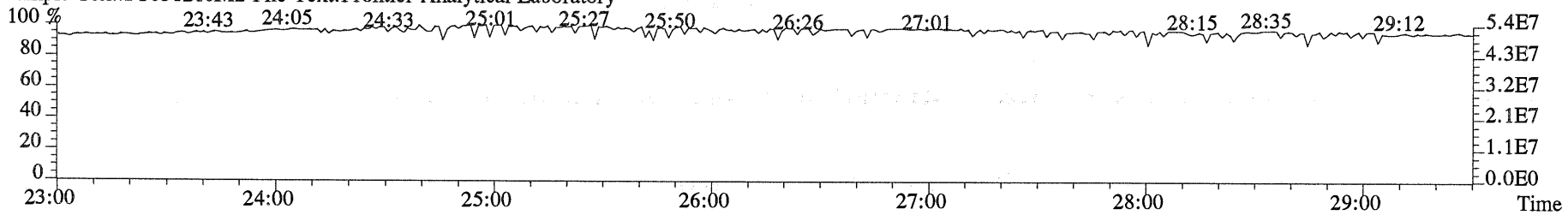
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



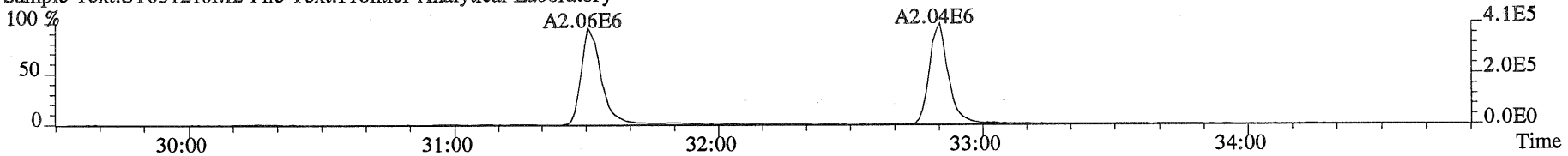
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



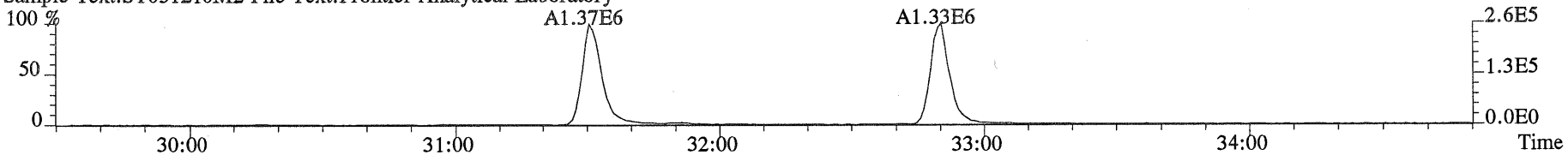
File:12MAY10M #1-391 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:3 Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



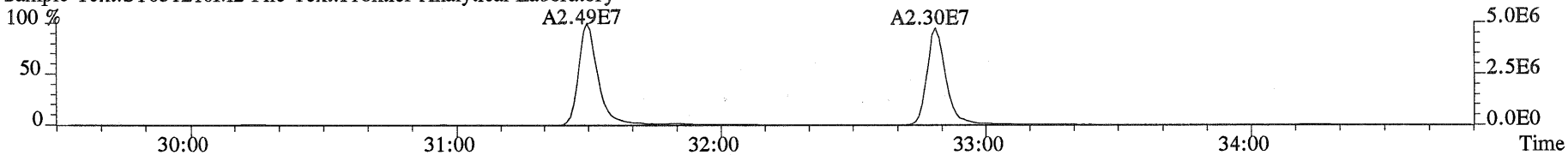
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



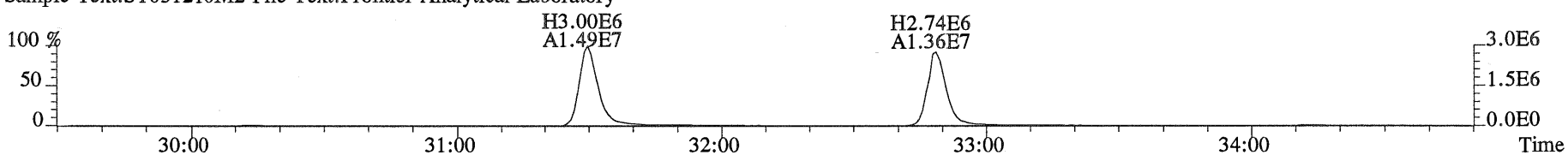
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



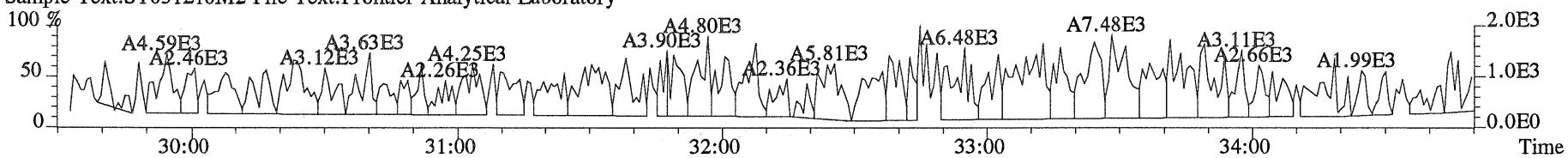
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



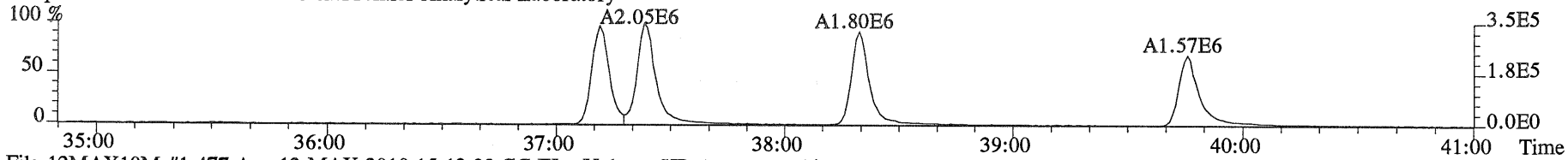
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



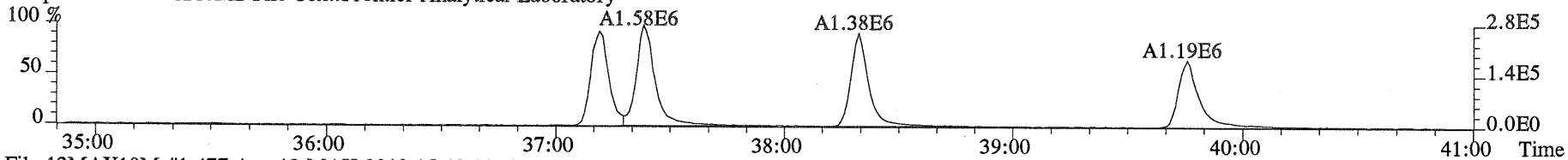
File:12MAY10M #1-411 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



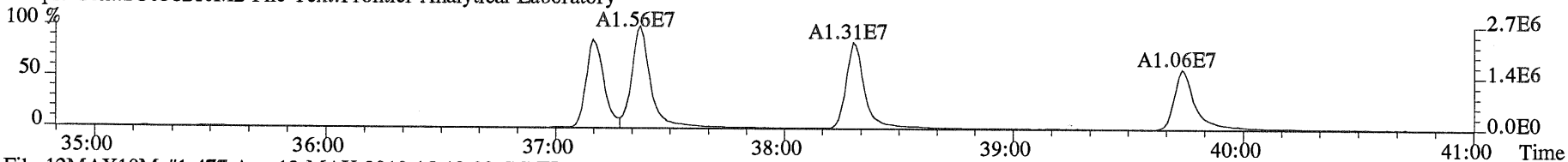
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



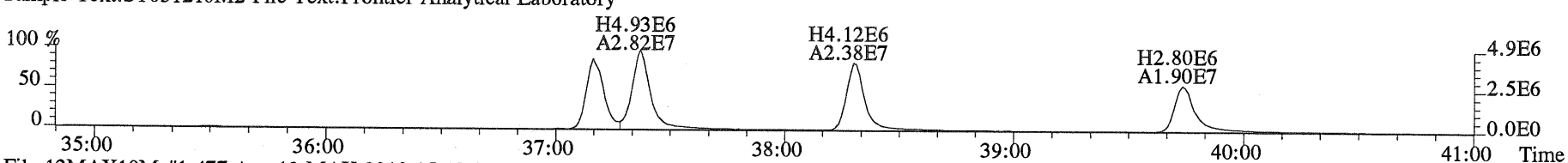
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



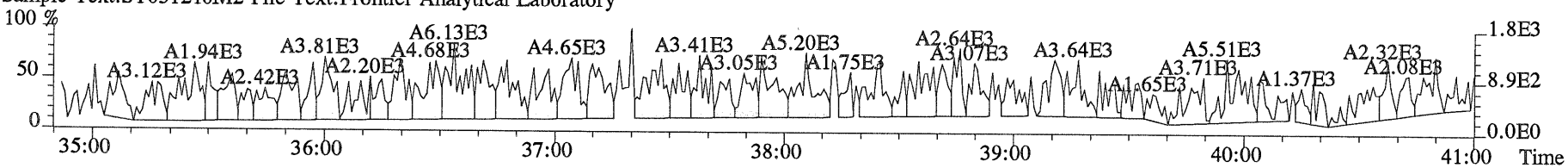
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



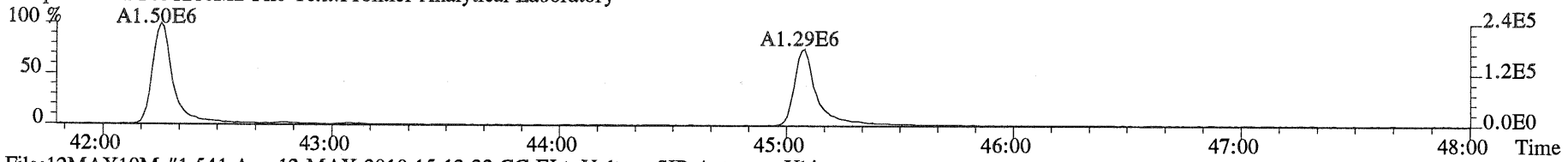
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



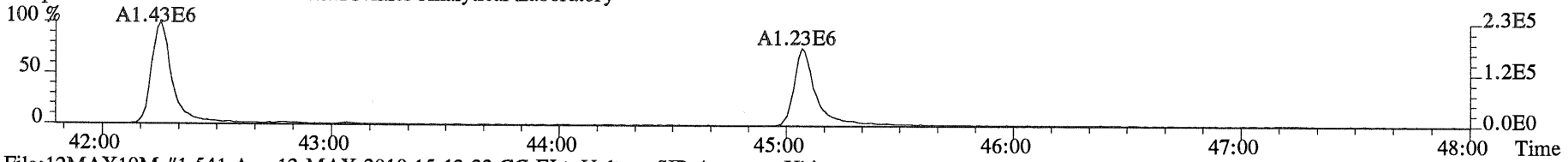
File:12MAY10M #1-477 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



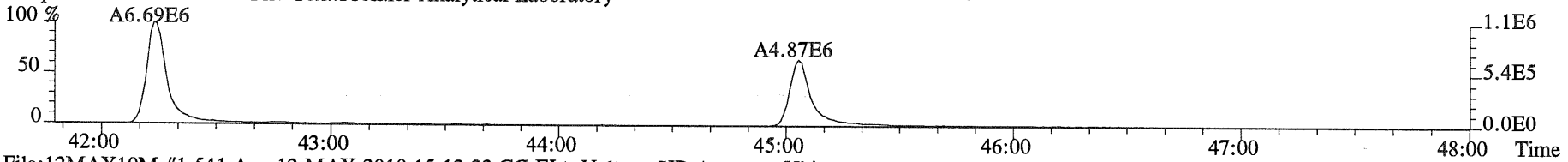
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



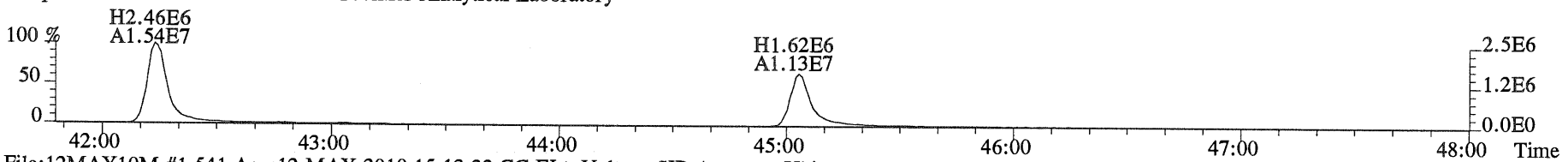
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



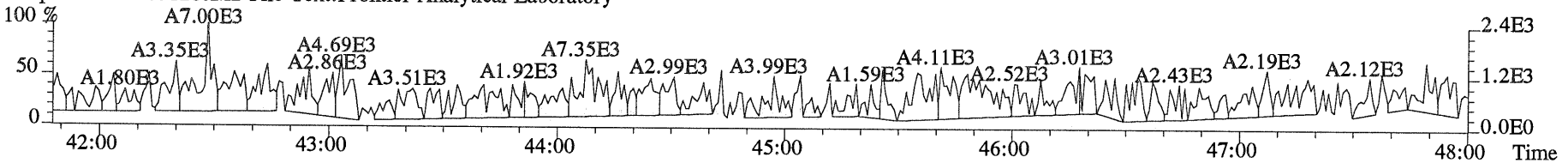
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



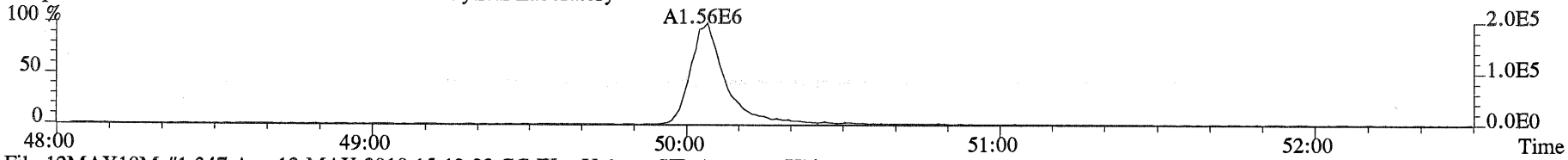
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



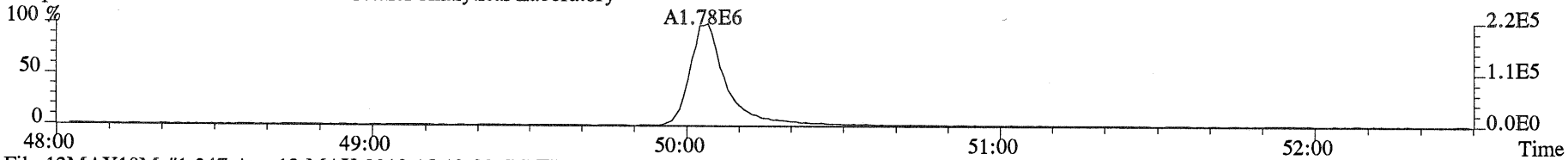
File:12MAY10M #1-541 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



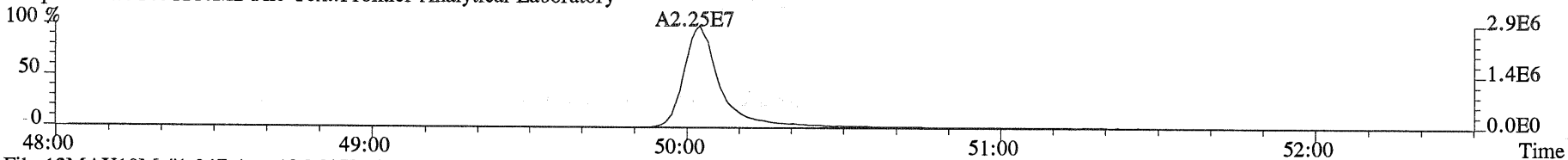
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



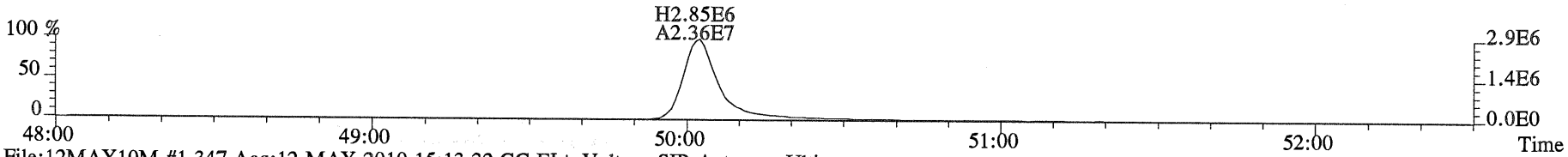
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



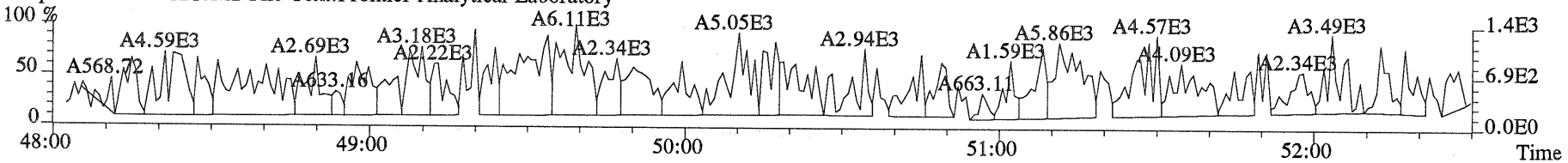
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



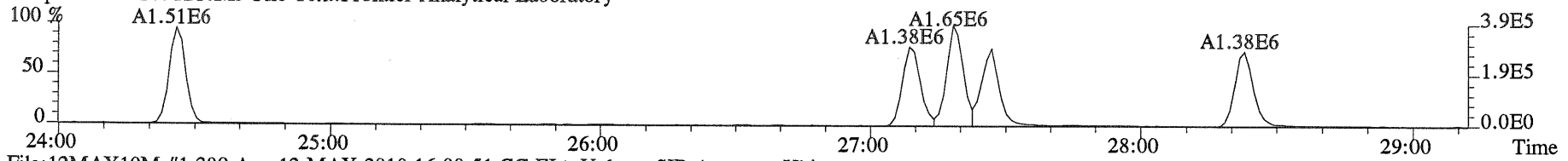
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



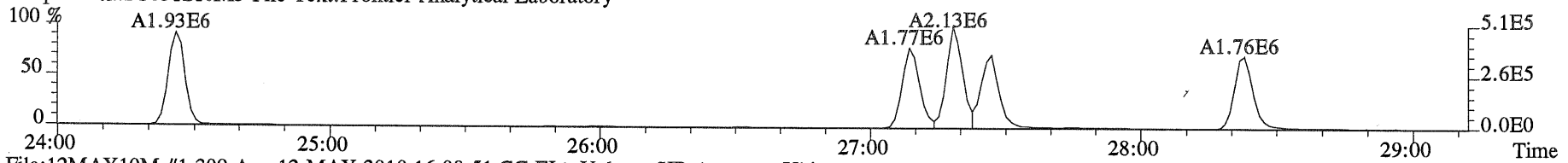
File:12MAY10M #1-347 Acq:12-MAY-2010 15:13:32 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M2 File Text:Frontier Analytical Laboratory



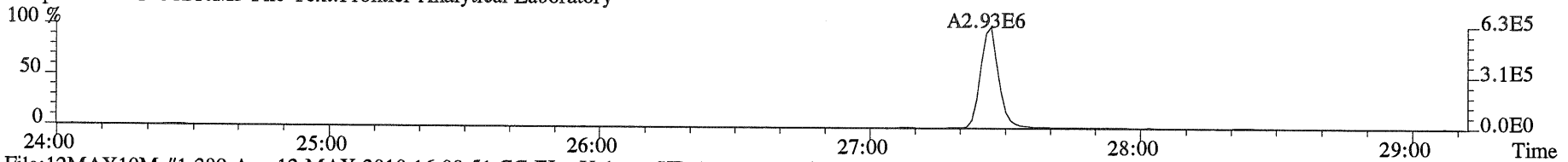
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



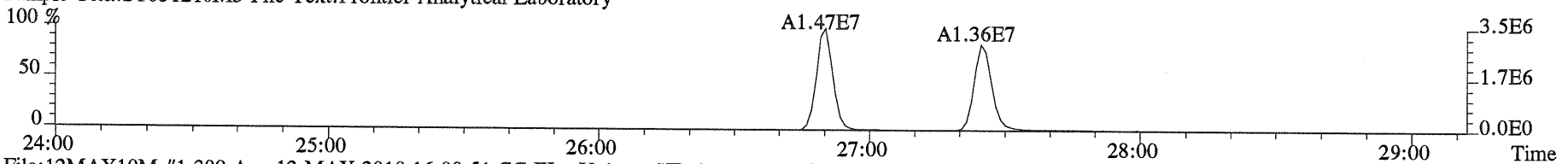
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



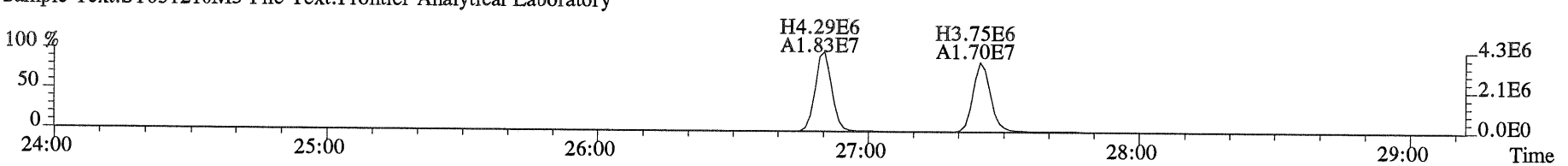
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



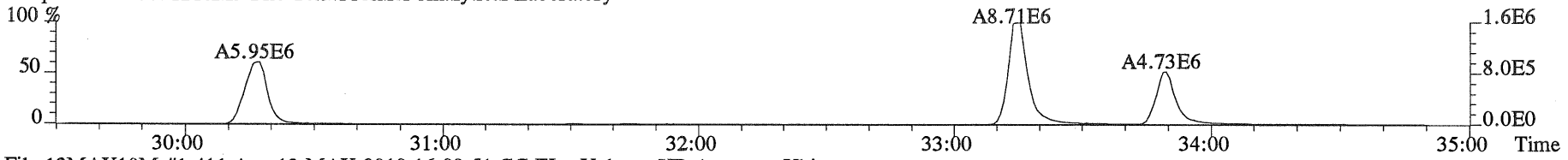
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



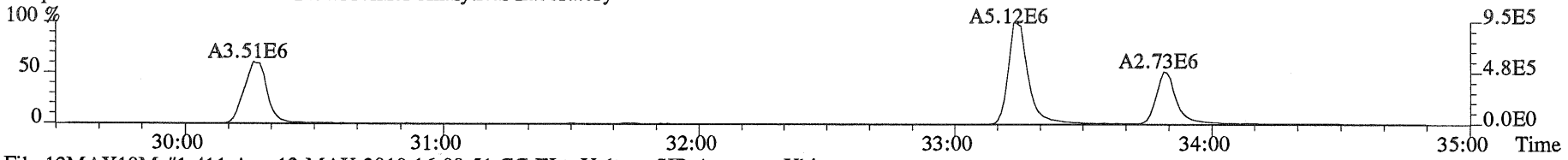
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



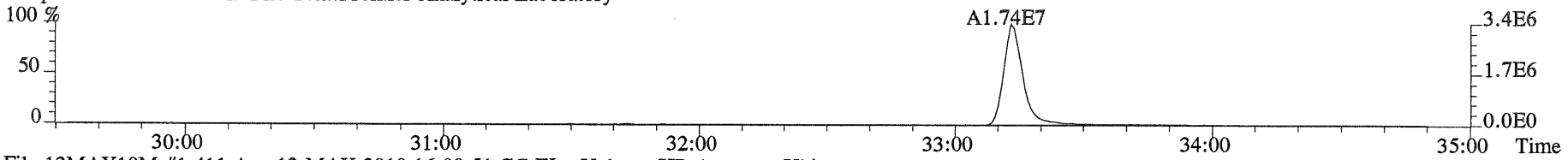
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



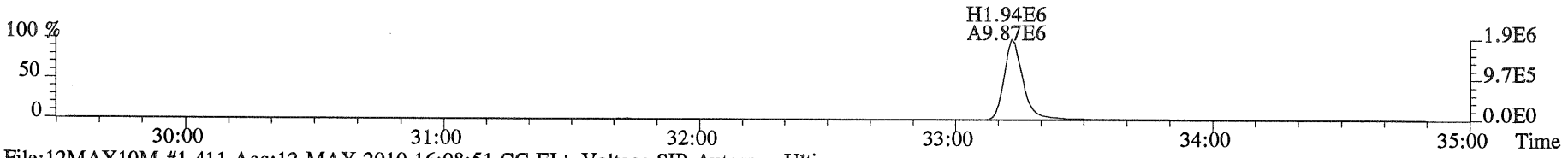
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



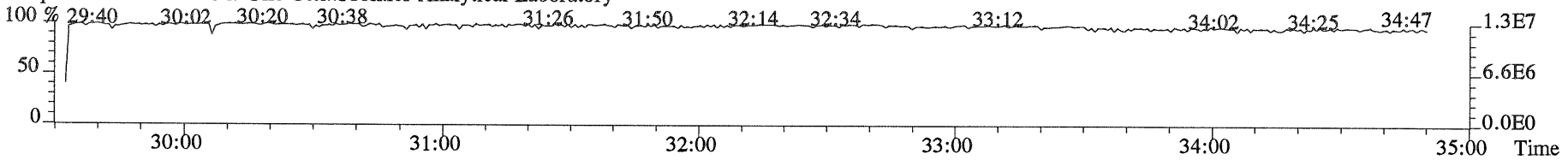
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



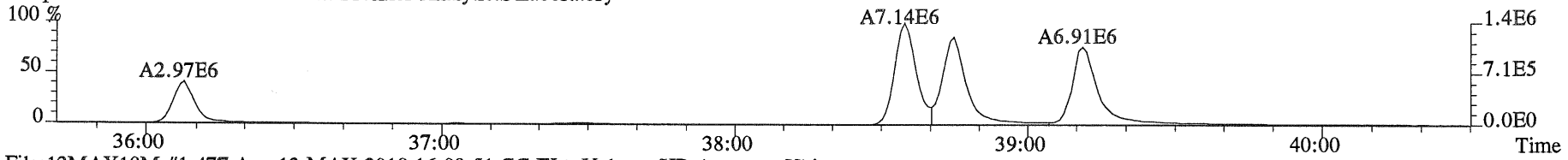
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



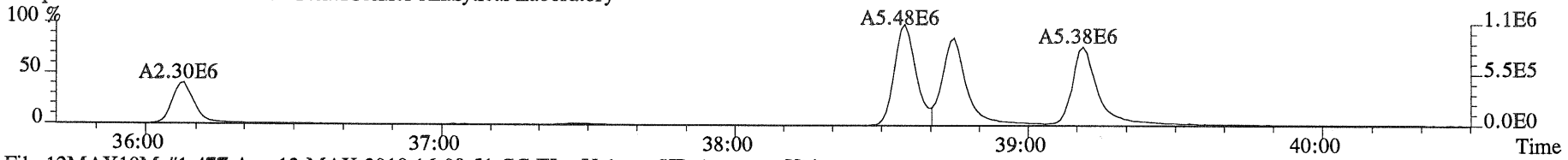
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:4 F:2 Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



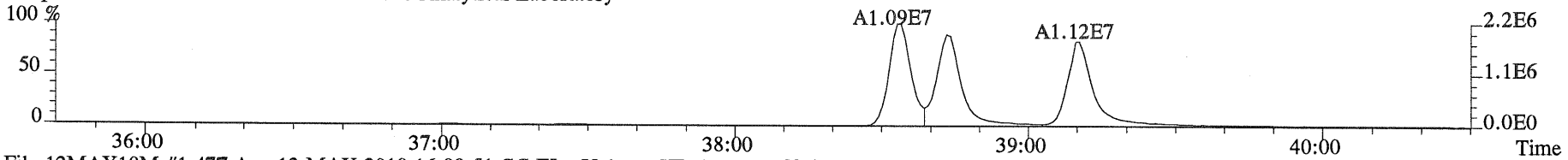
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



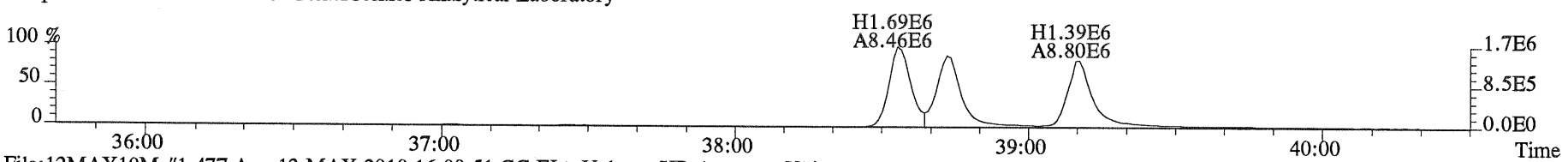
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



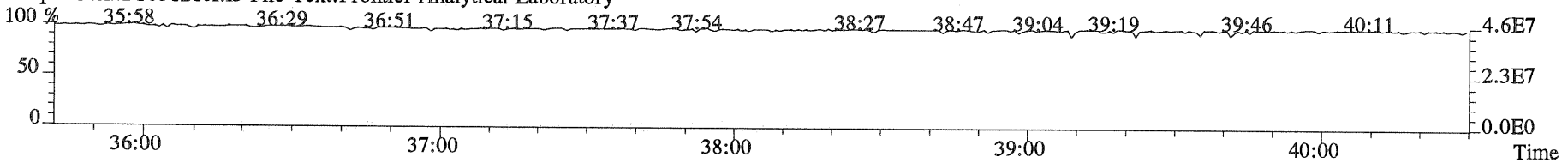
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



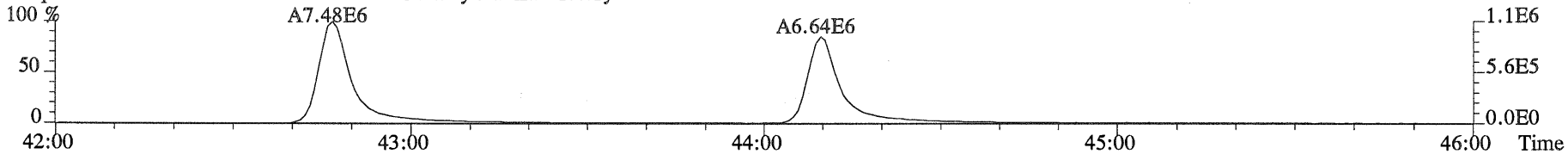
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



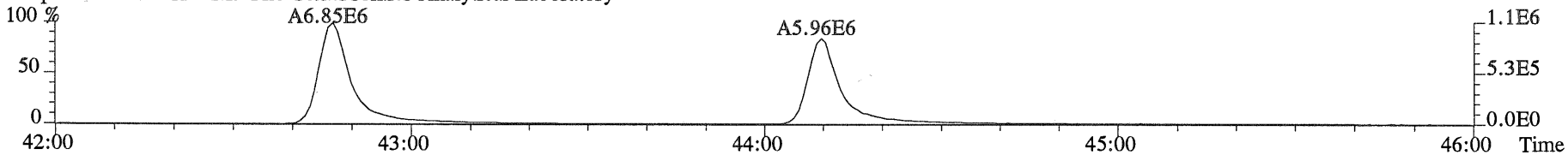
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:4 F:3 Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



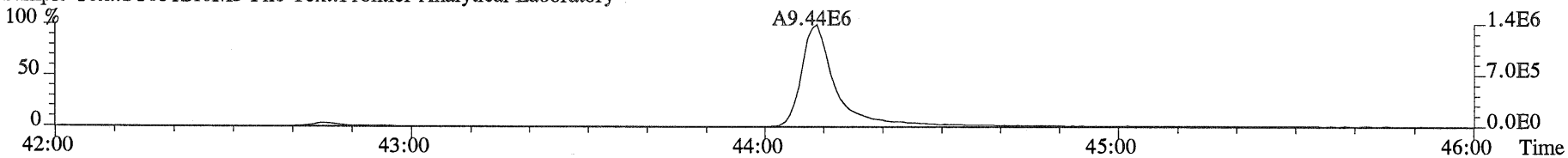
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



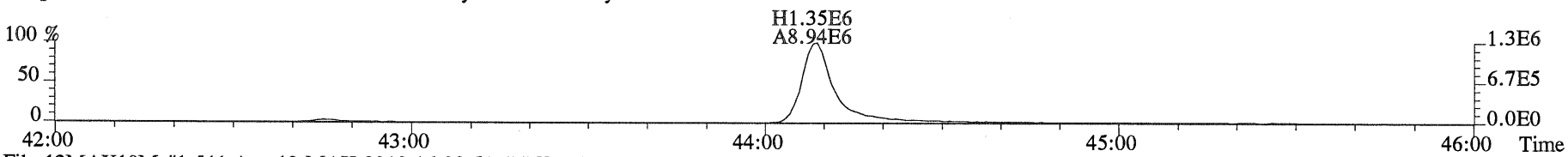
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



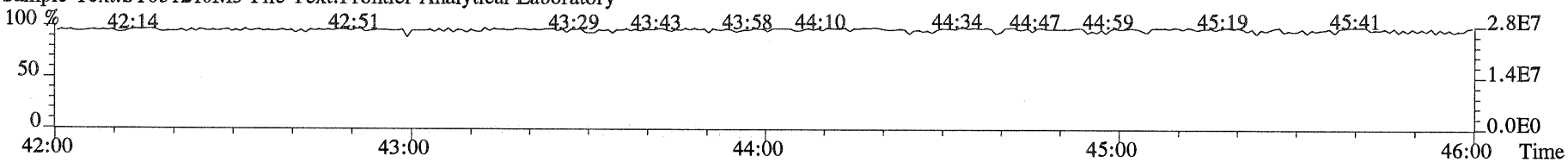
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



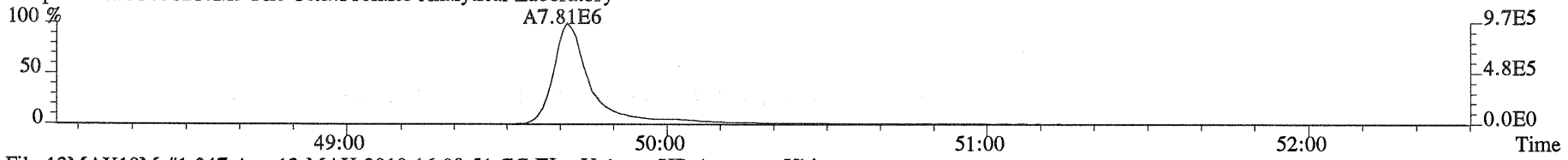
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



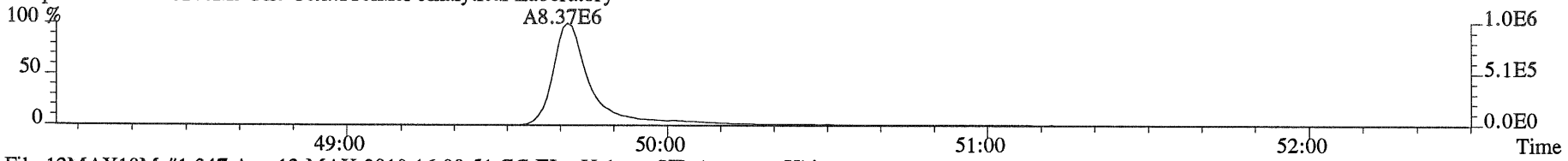
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:4 F:4 Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



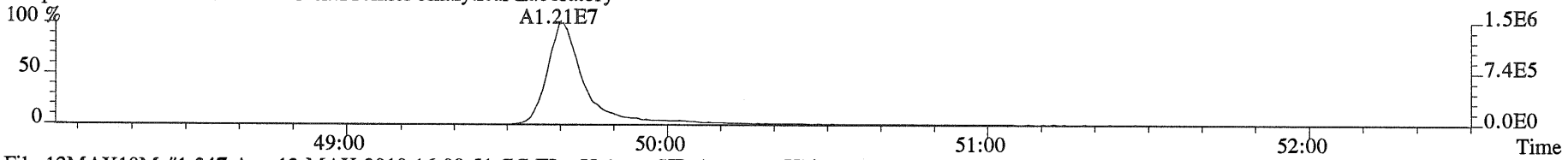
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



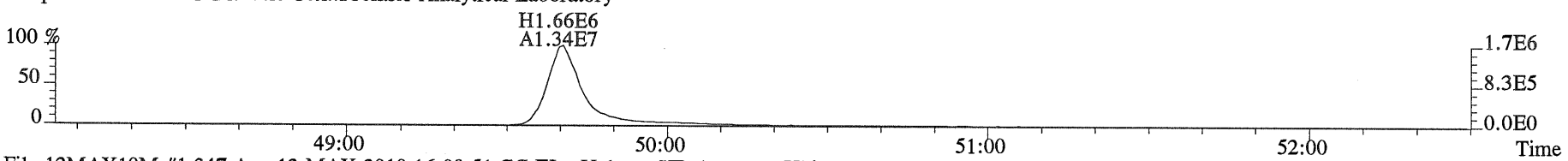
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



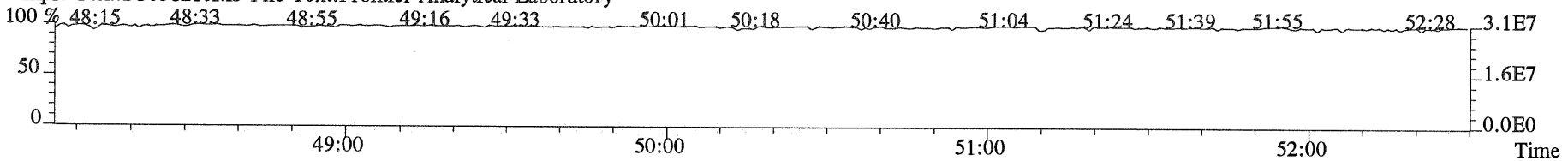
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



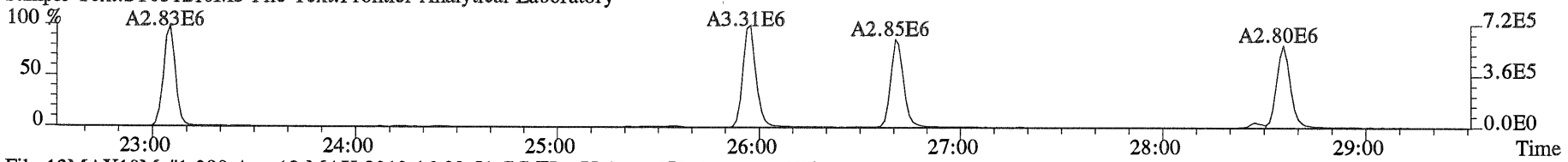
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



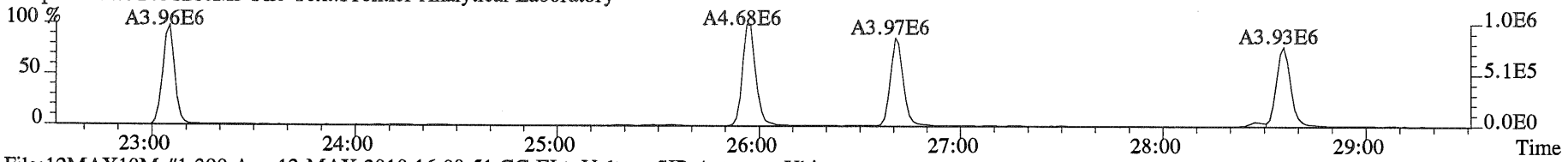
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:4 F:5 Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



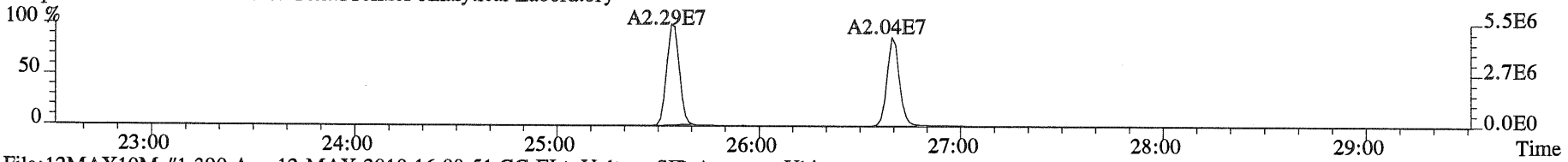
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



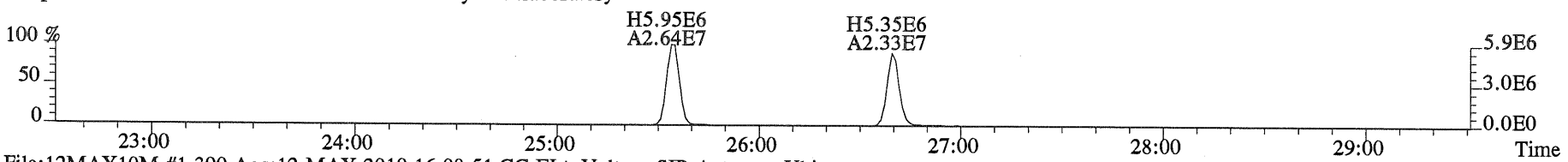
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



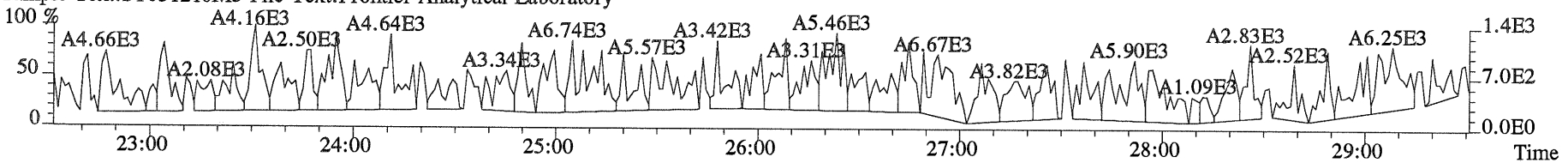
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



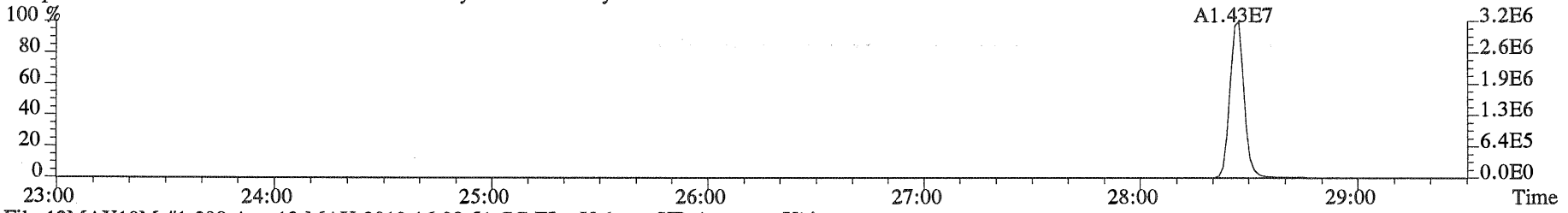
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



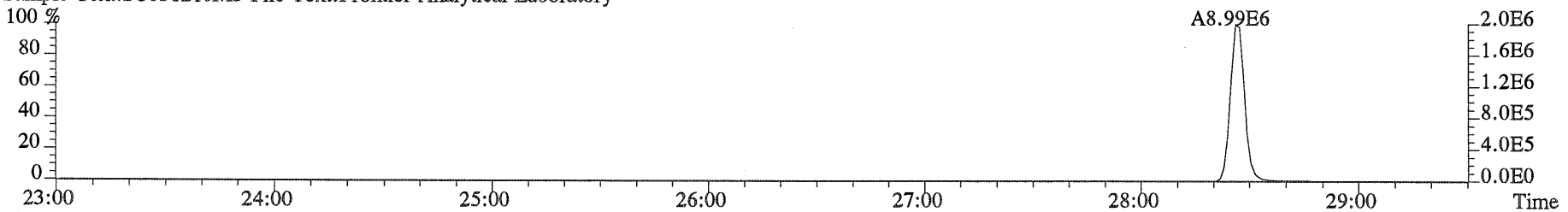
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



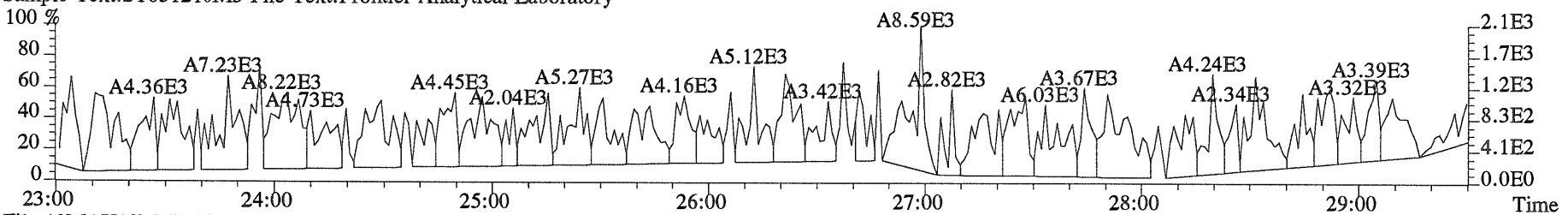
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



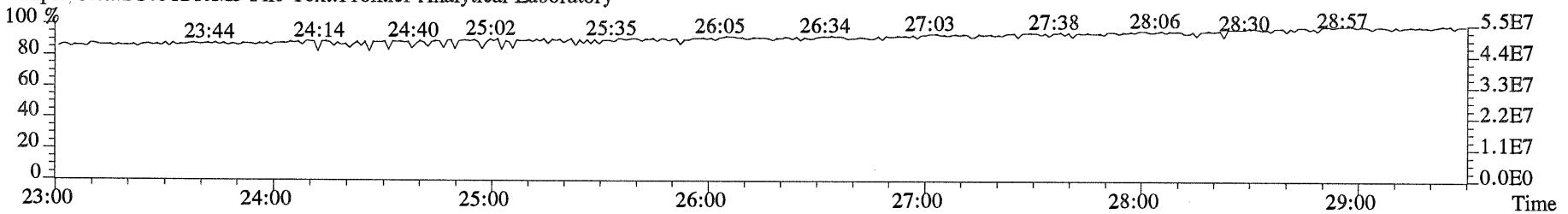
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



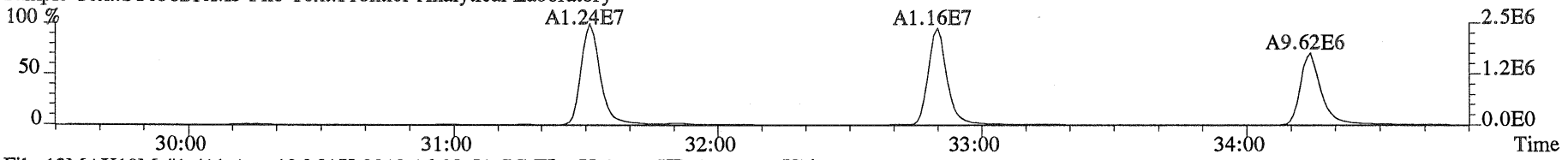
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



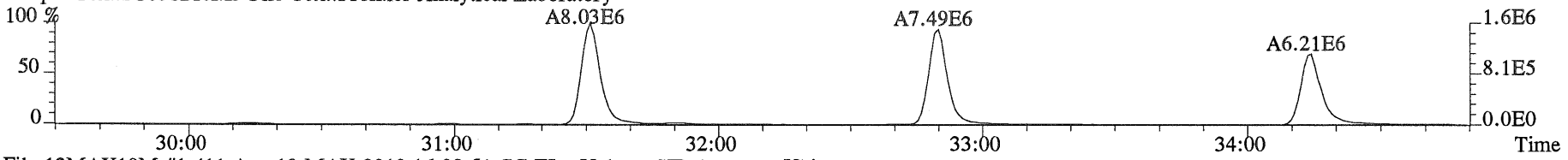
File:12MAY10M #1-390 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:4 Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



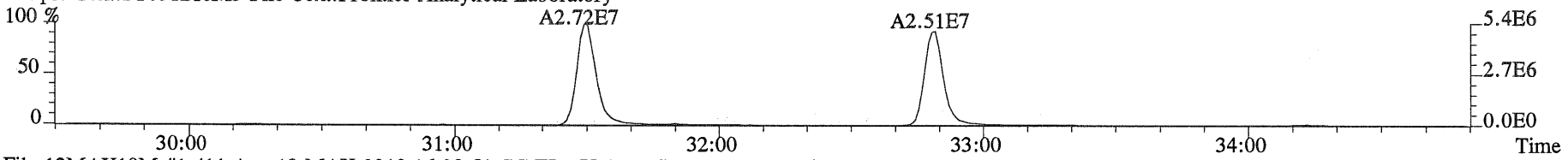
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



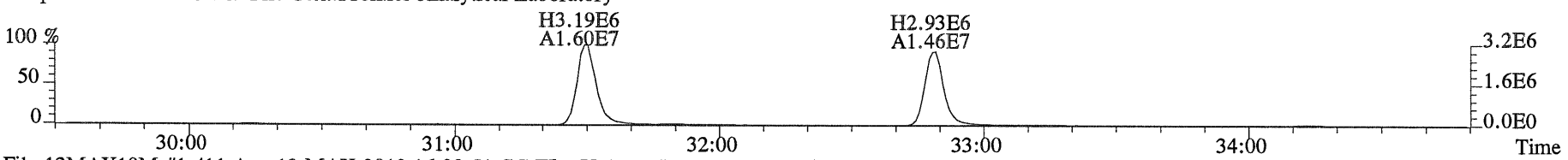
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



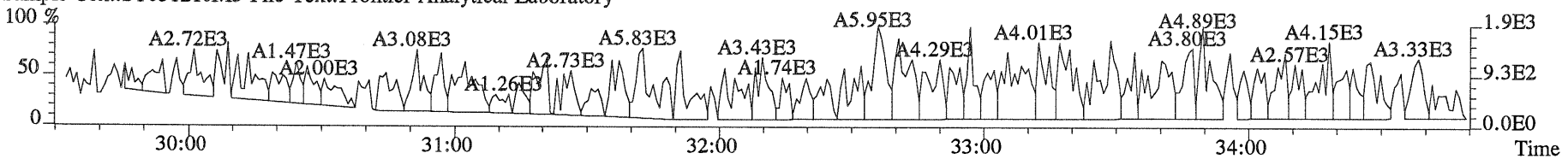
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



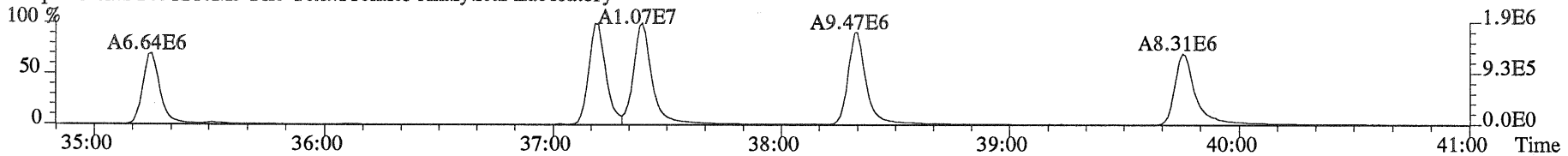
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



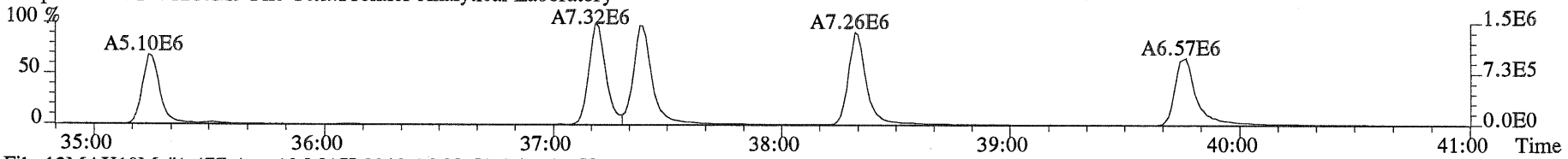
File:12MAY10M #1-411 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



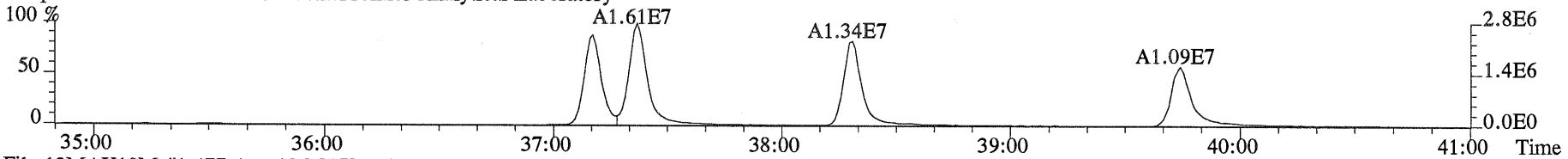
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



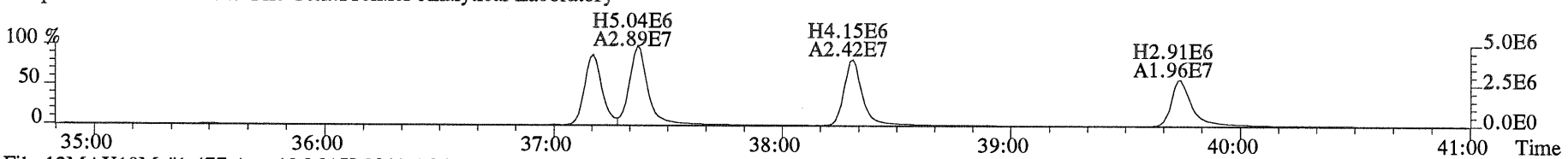
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



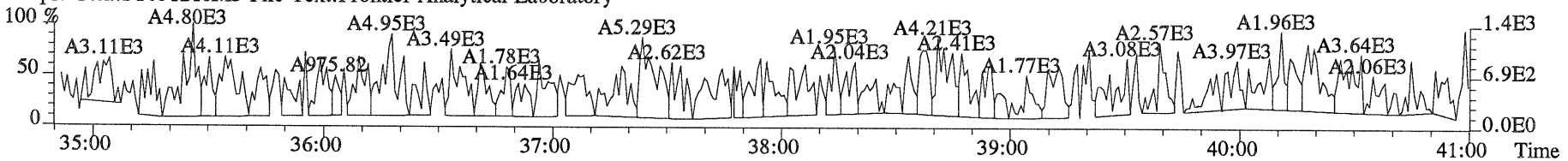
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



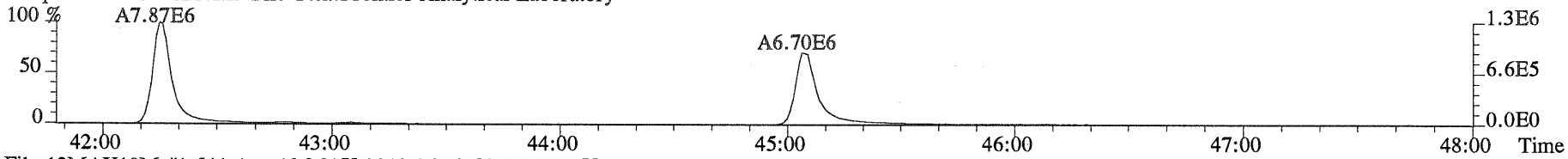
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



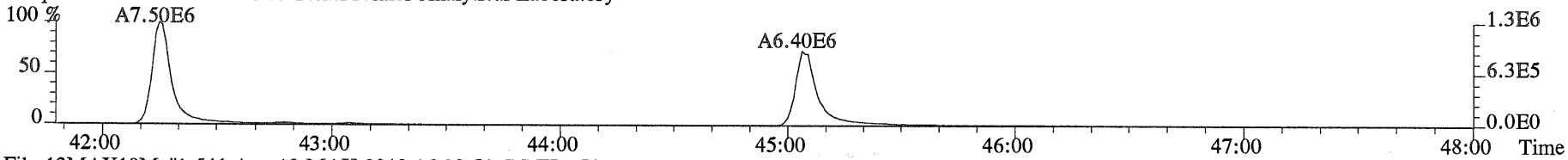
File:12MAY10M #1-477 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



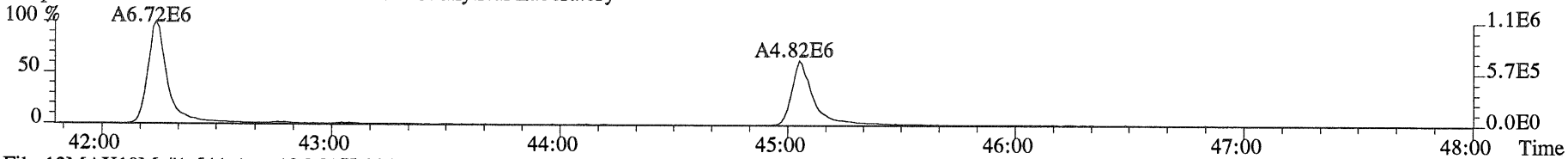
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



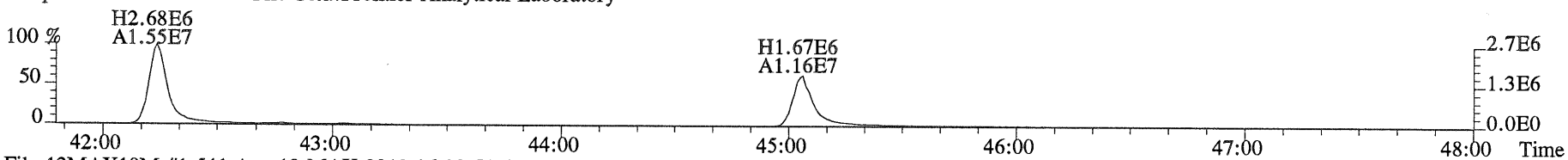
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



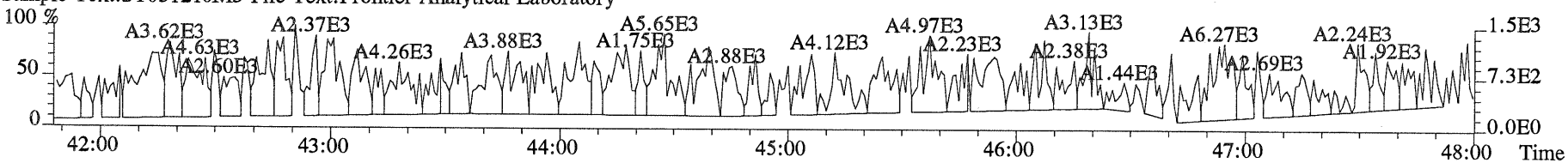
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



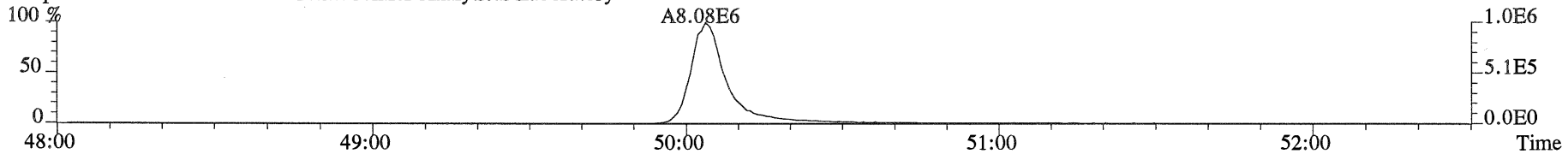
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



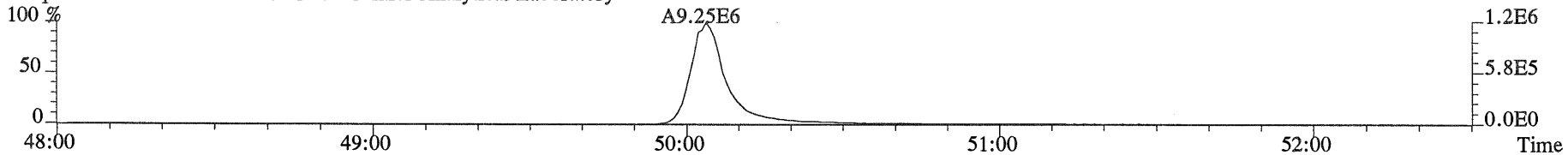
File:12MAY10M #1-541 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



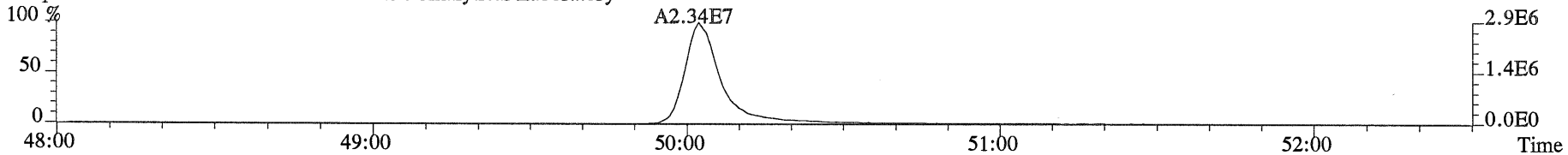
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



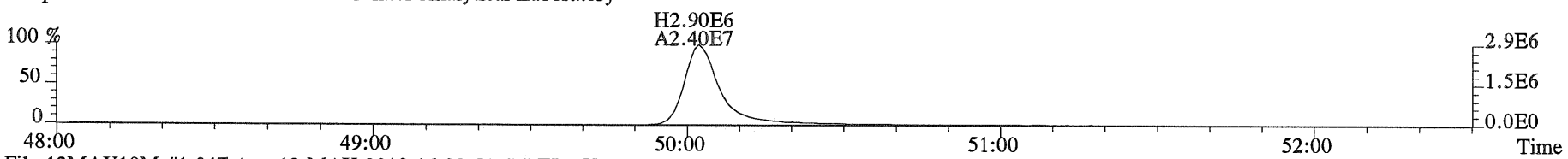
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



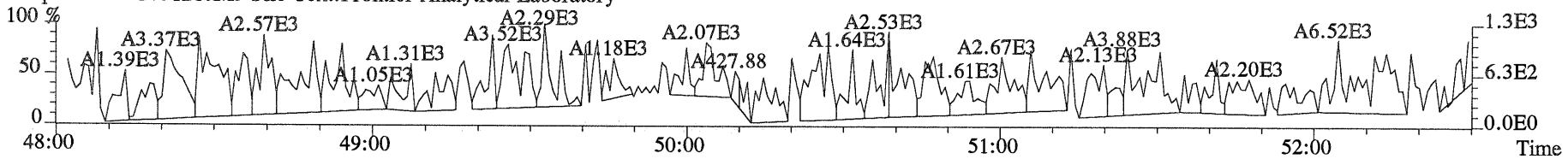
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



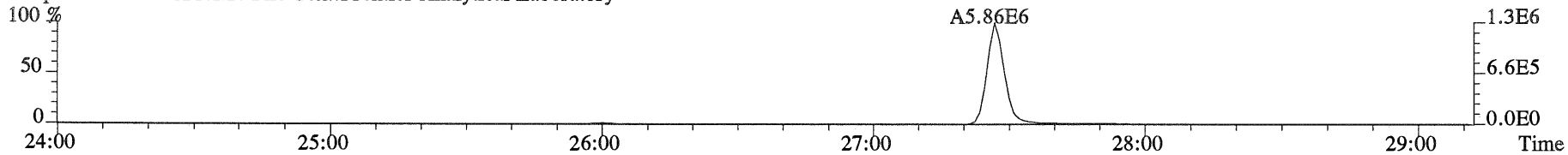
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



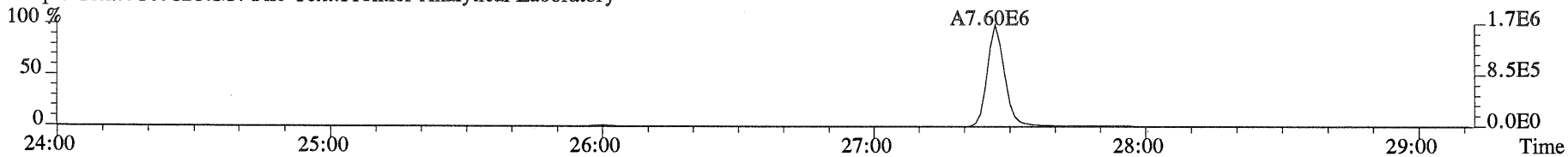
File:12MAY10M #1-347 Acq:12-MAY-2010 16:08:51 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M3 File Text:Frontier Analytical Laboratory



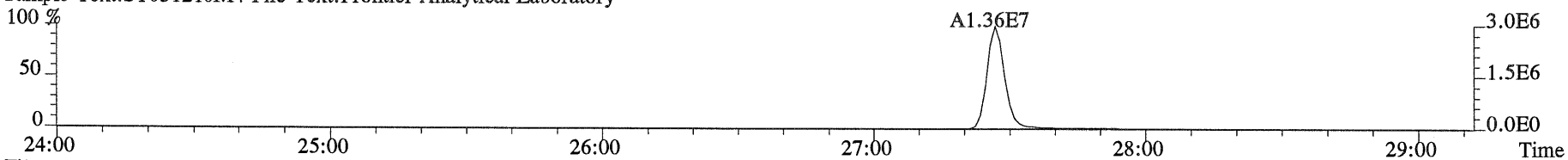
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



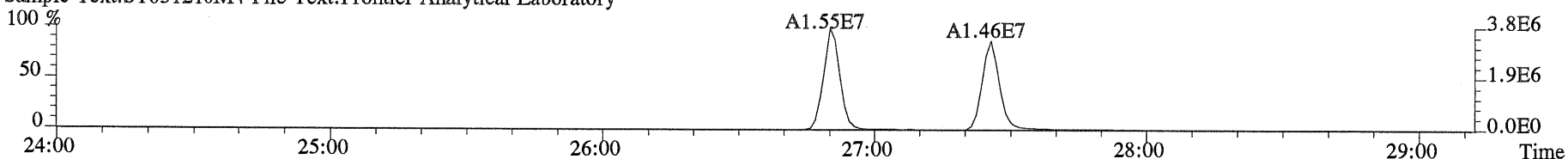
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



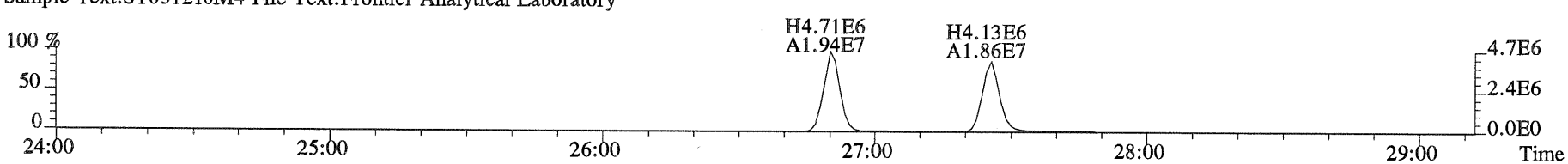
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



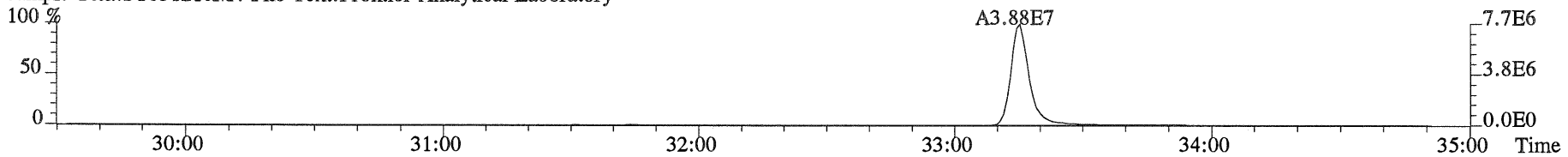
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



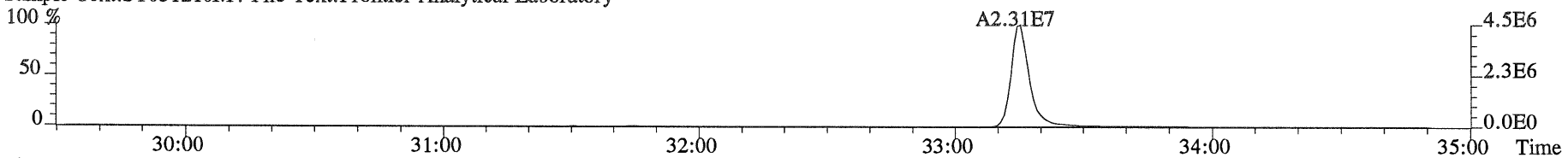
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



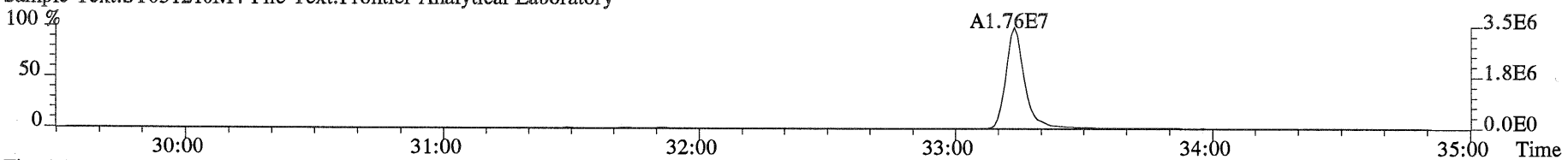
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



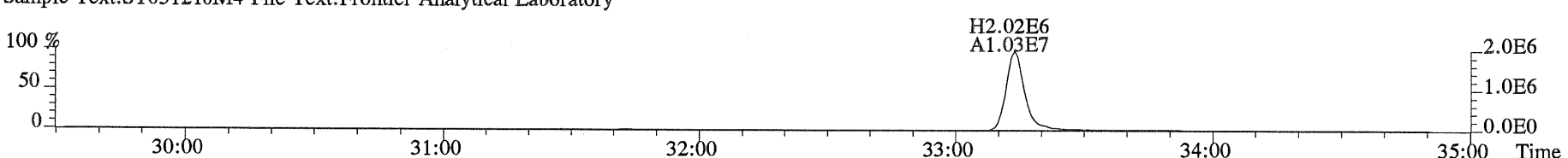
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



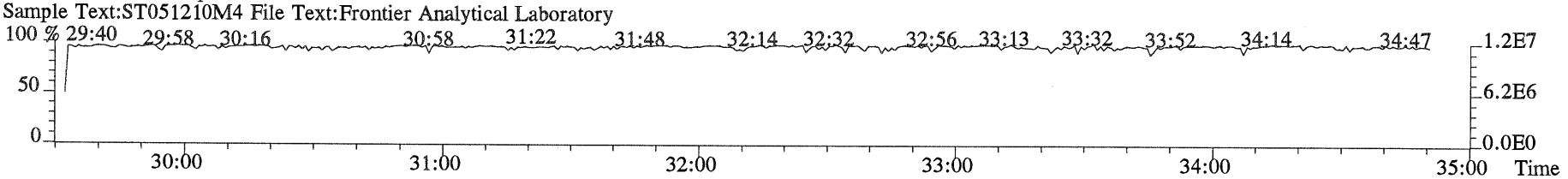
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



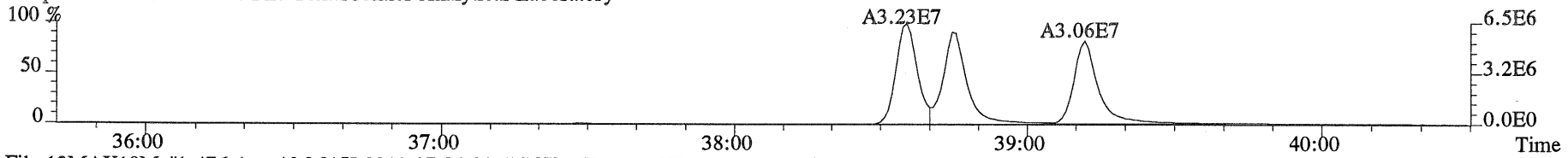
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



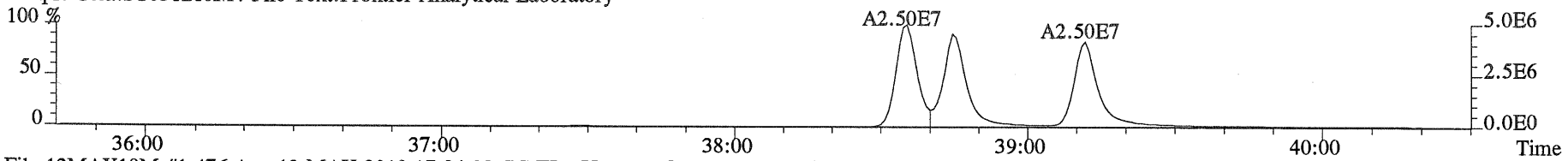
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



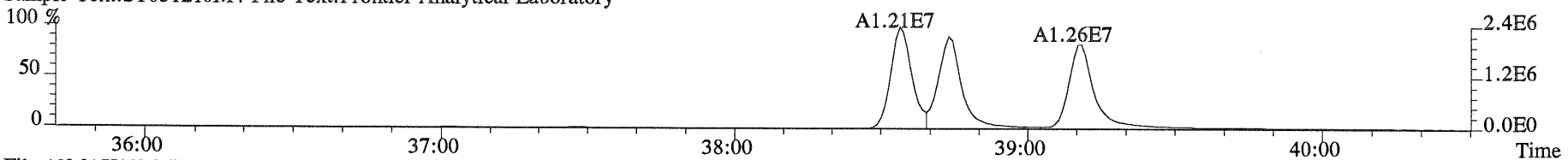
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



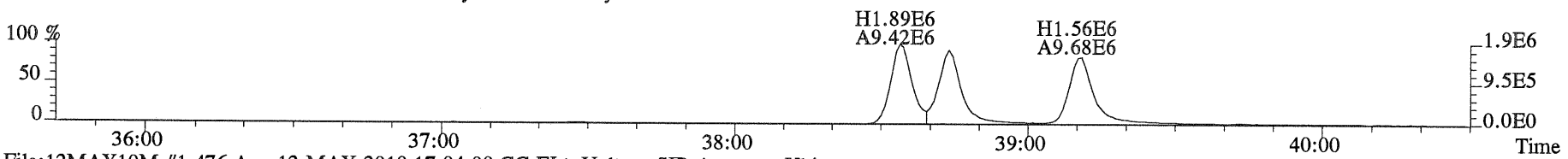
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



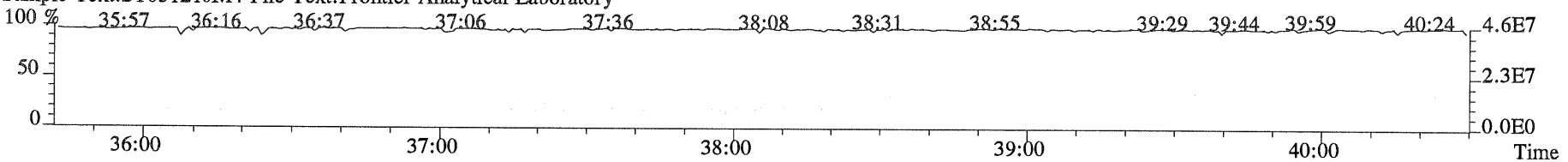
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



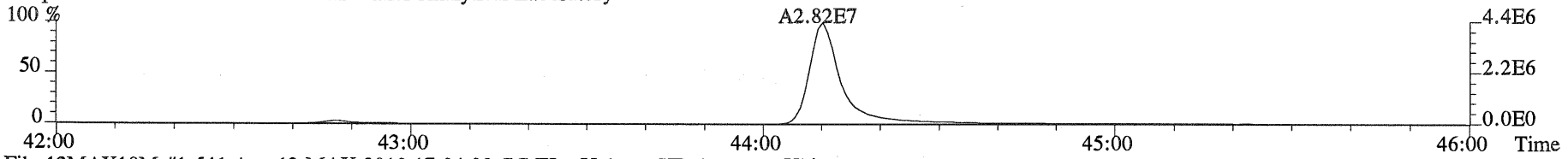
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



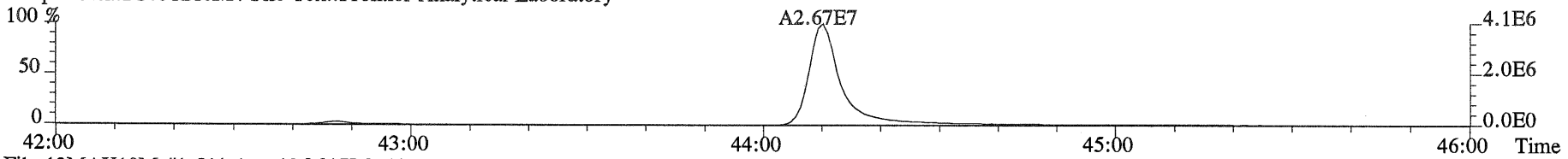
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:5 F:3 Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



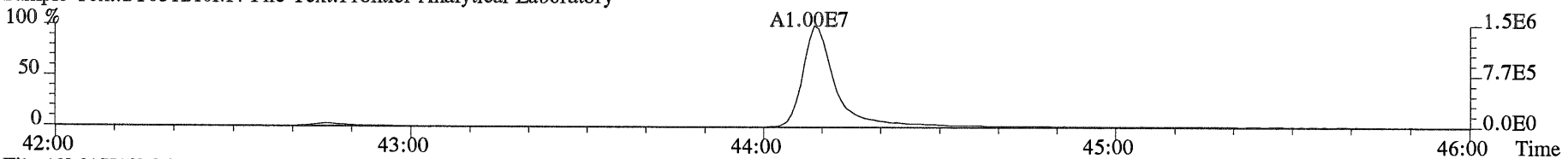
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



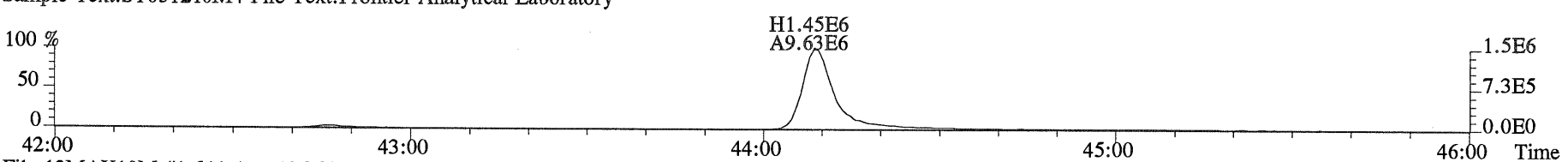
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



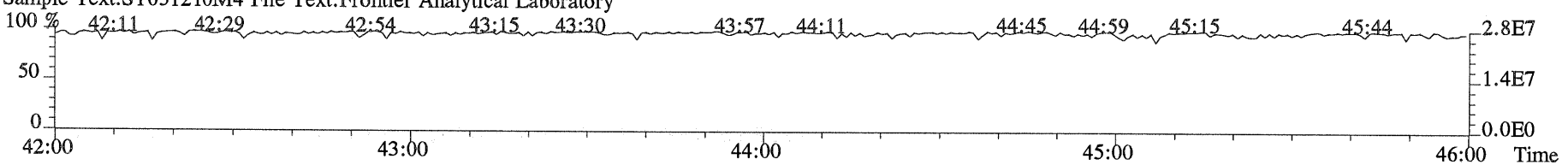
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



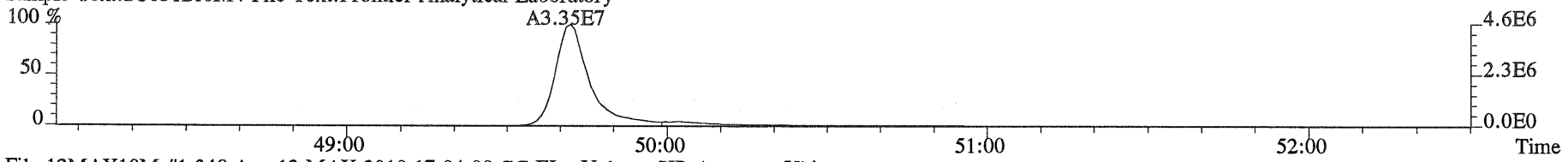
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



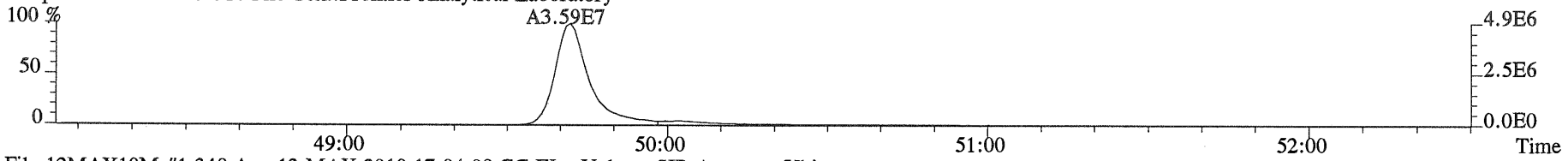
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



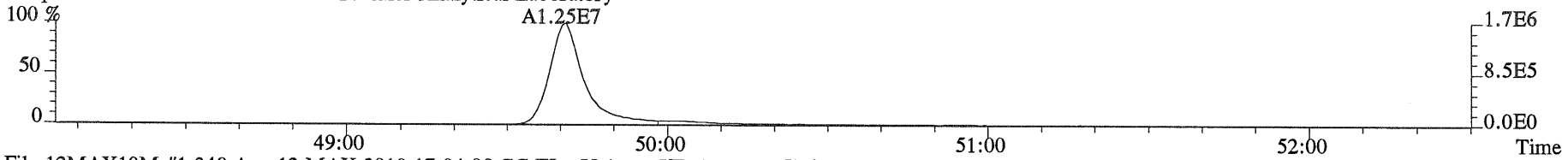
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



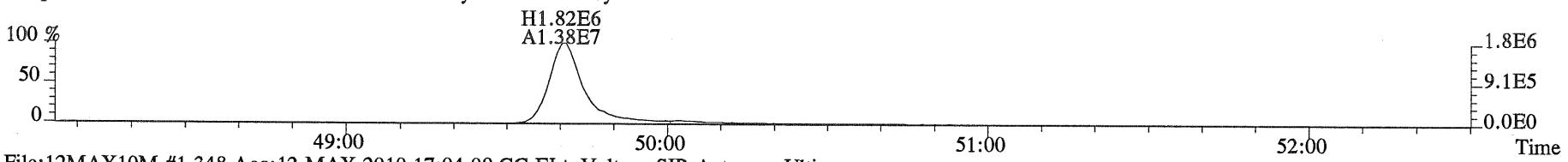
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



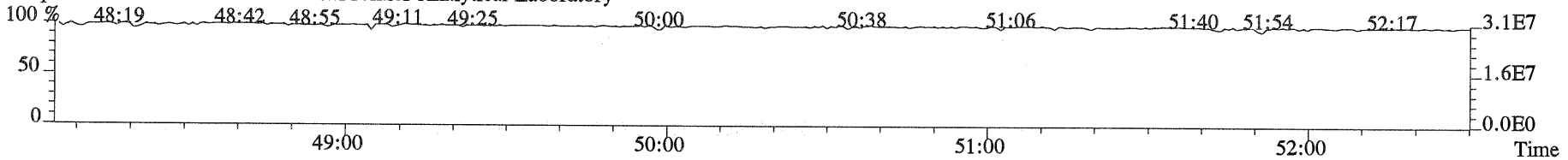
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



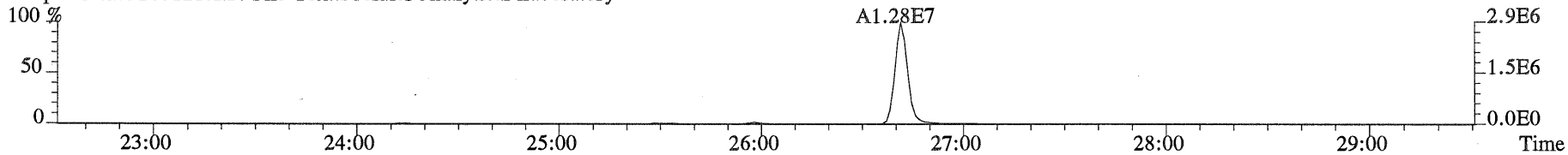
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



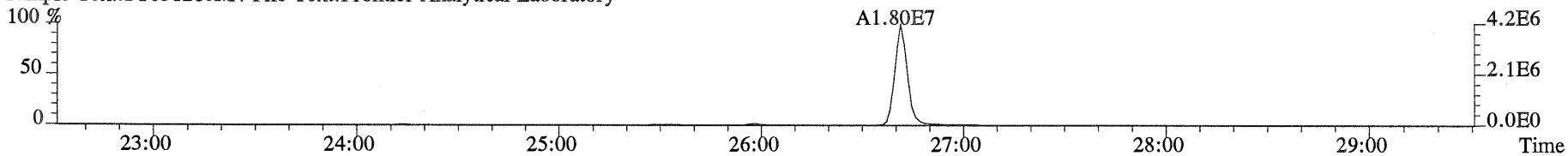
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



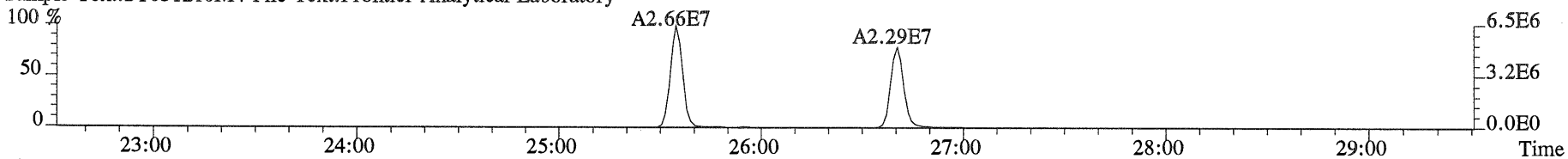
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



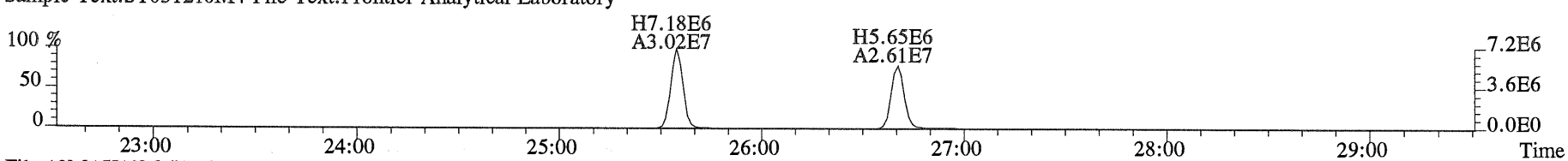
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



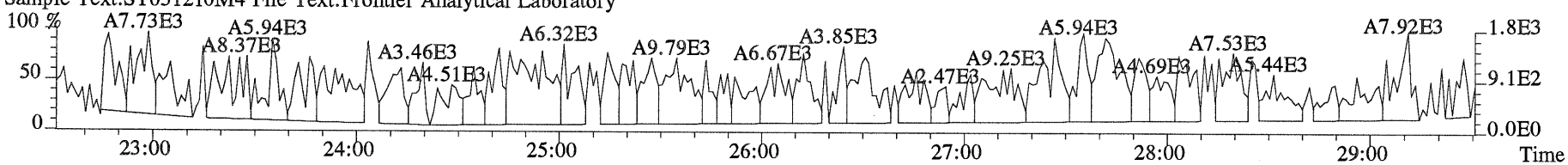
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



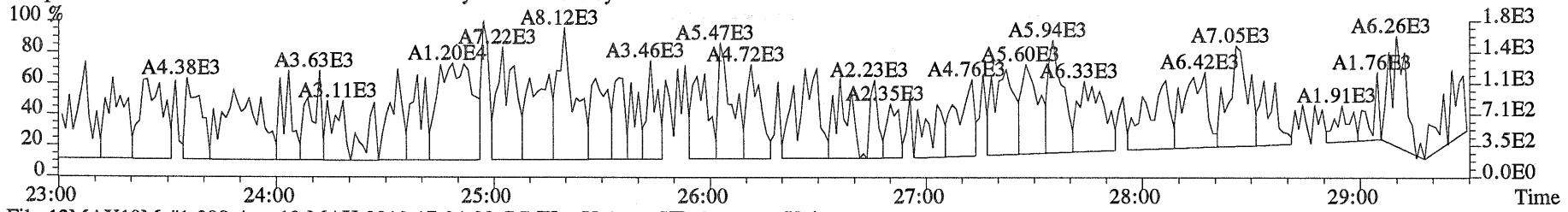
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



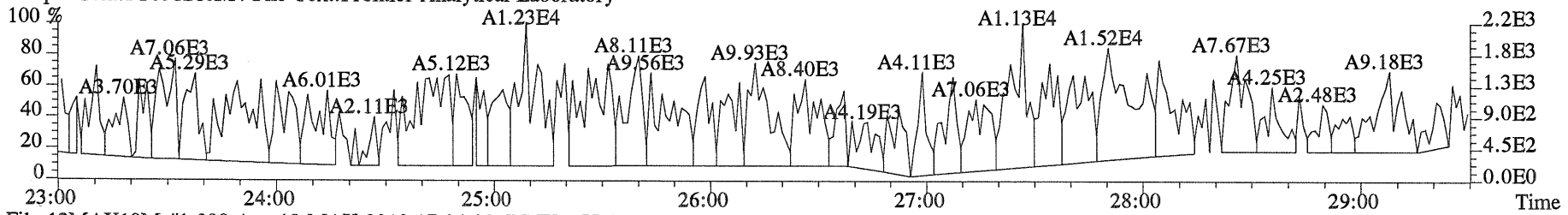
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



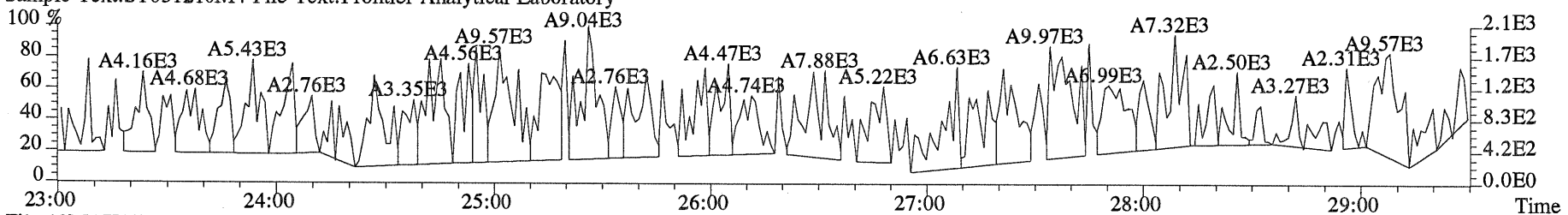
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



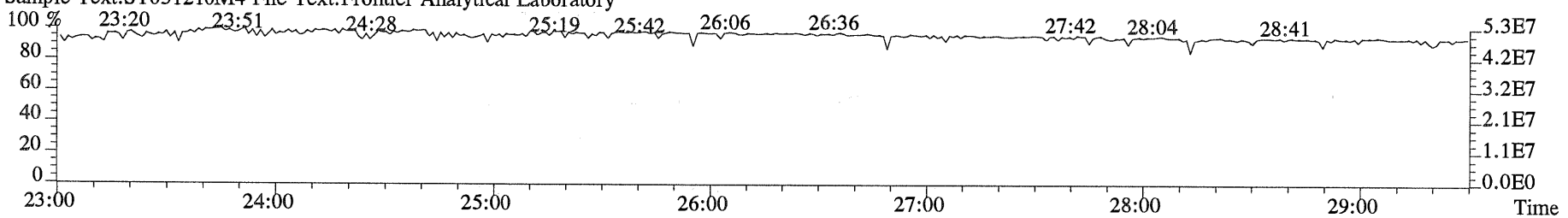
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



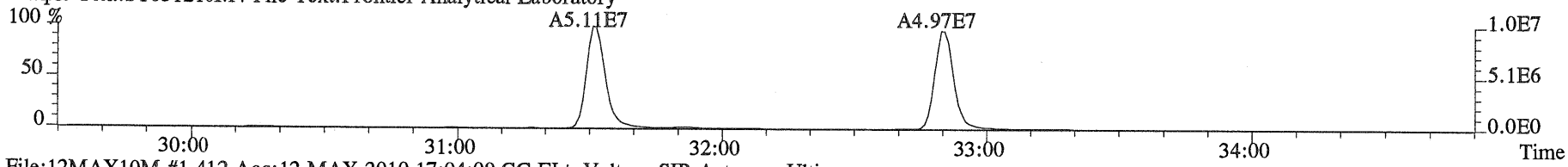
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



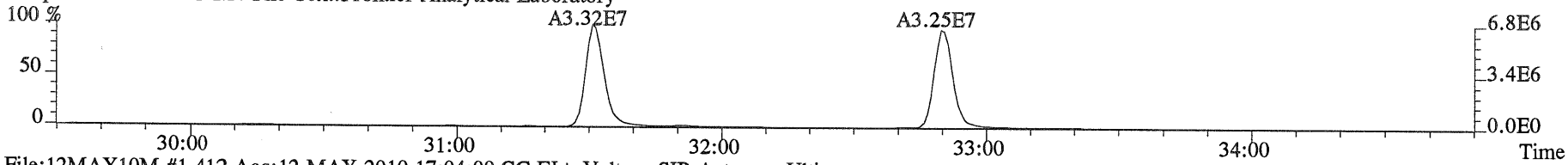
File:12MAY10M #1-390 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:5 Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



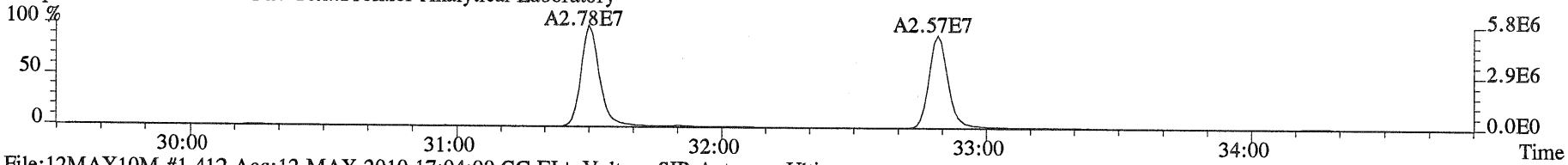
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



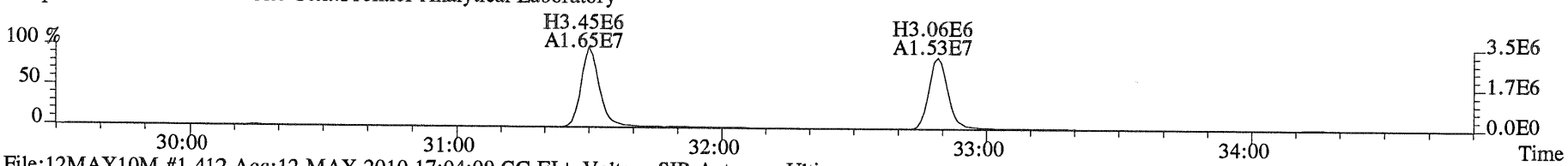
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



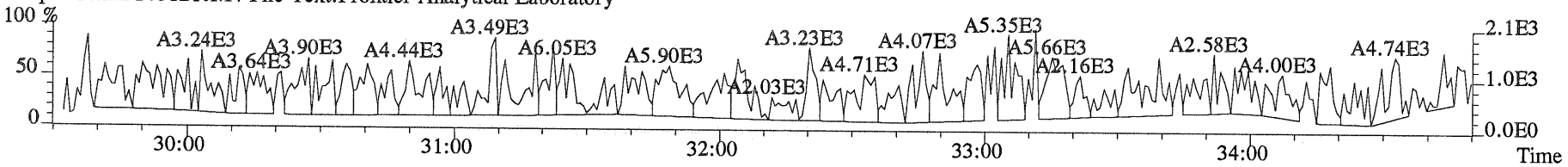
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



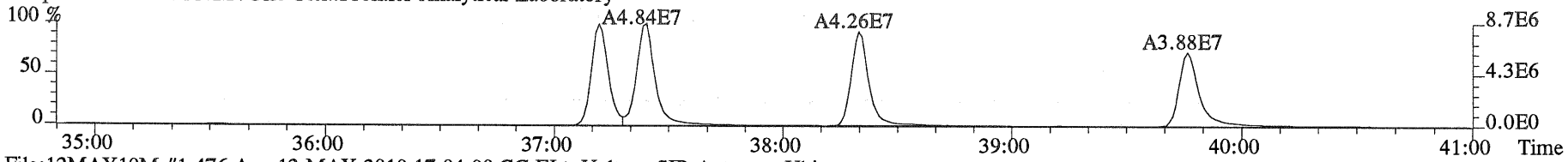
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



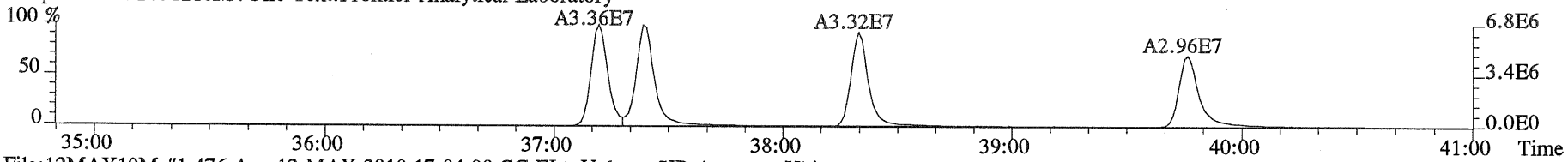
File:12MAY10M #1-412 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



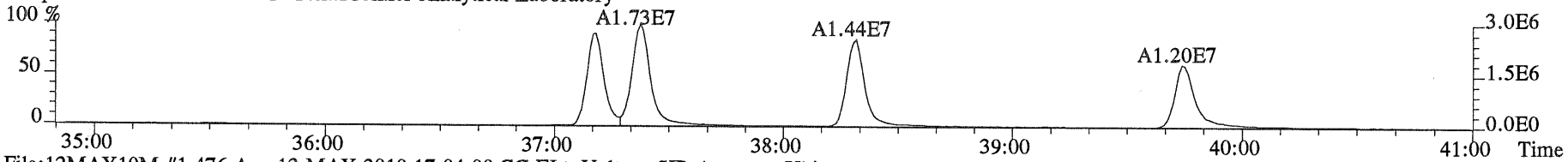
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



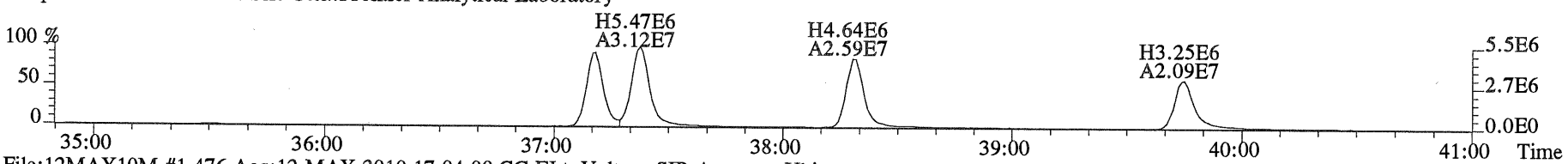
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



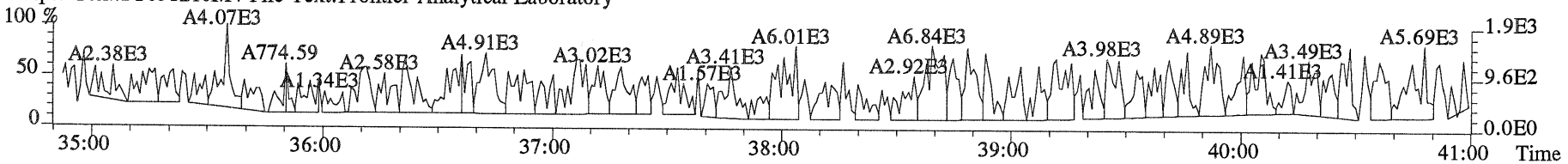
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



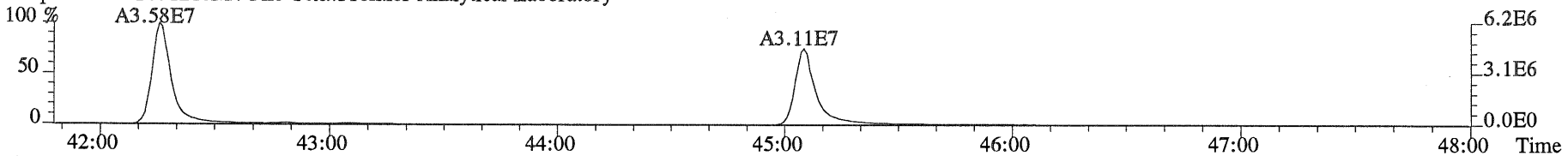
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



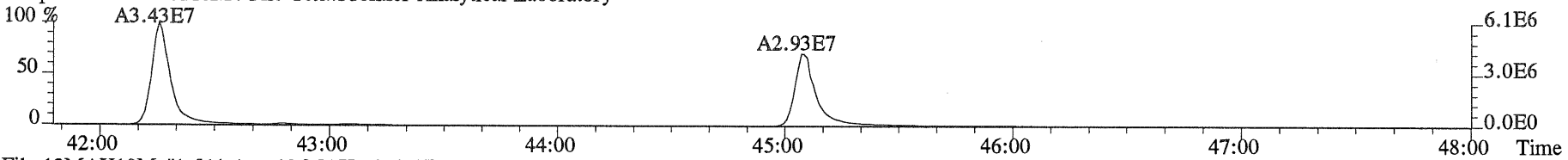
File:12MAY10M #1-476 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



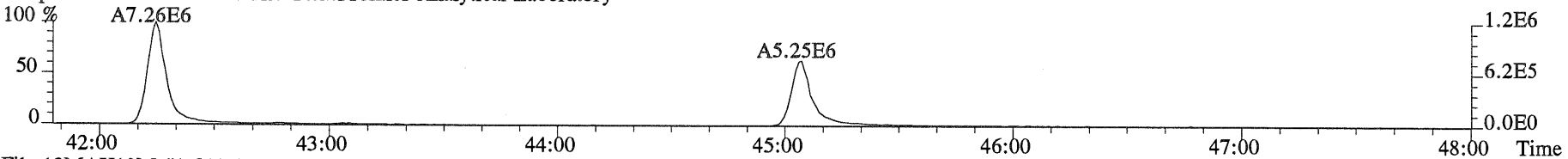
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



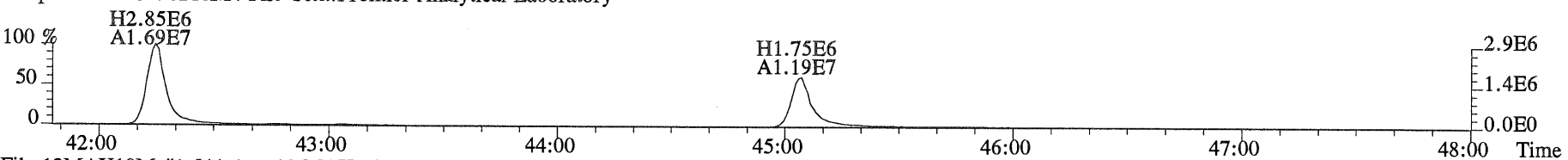
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



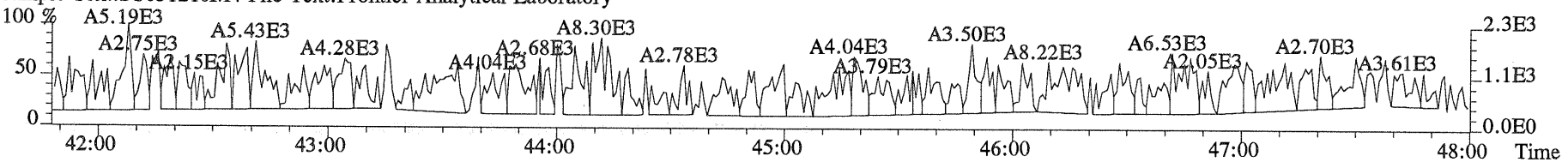
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



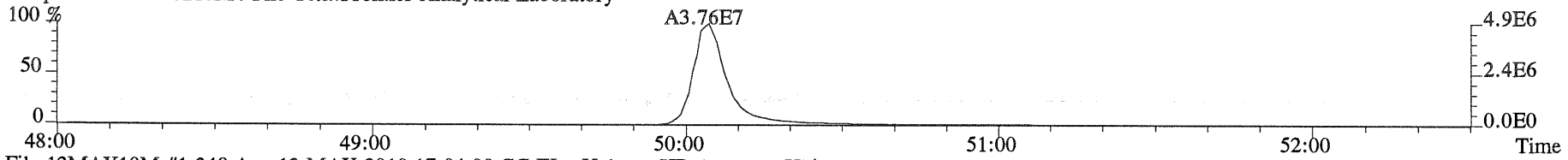
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



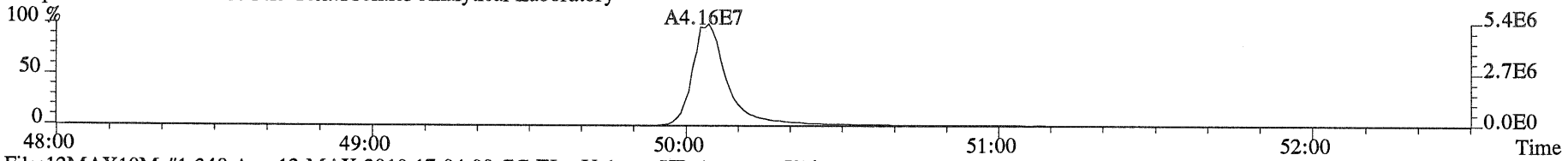
File:12MAY10M #1-541 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



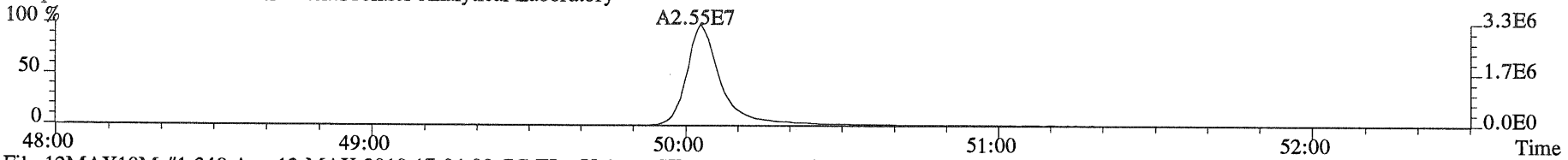
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



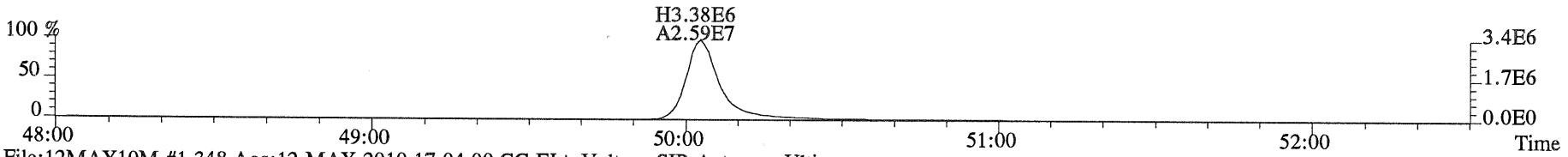
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



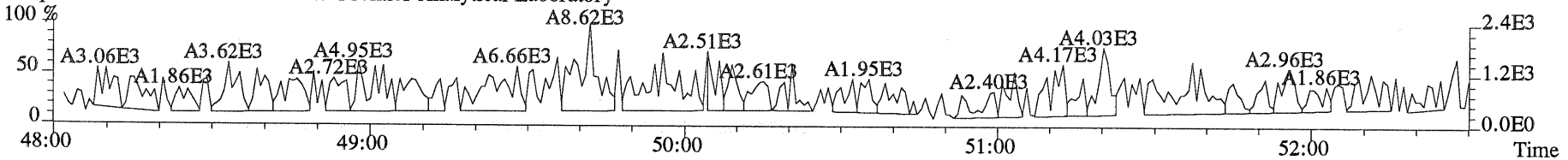
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



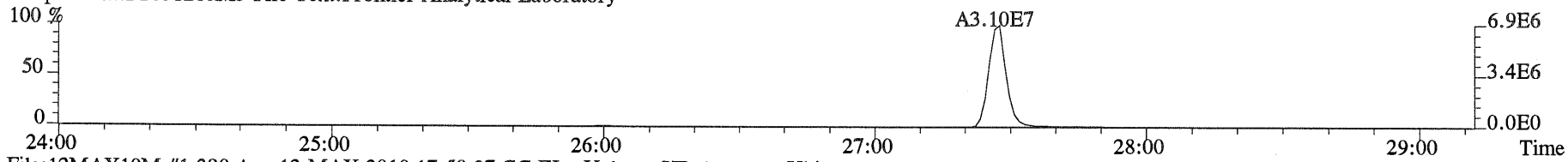
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



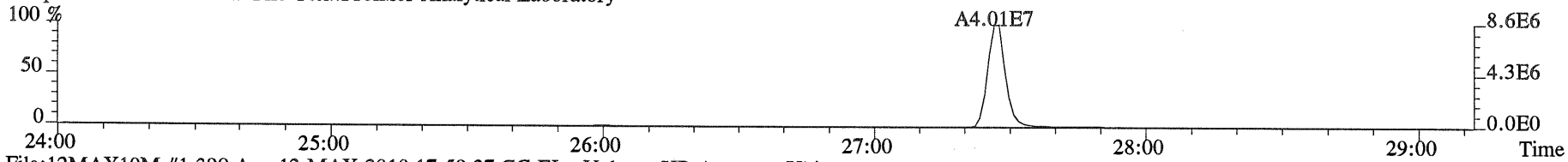
File:12MAY10M #1-348 Acq:12-MAY-2010 17:04:09 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M4 File Text:Frontier Analytical Laboratory



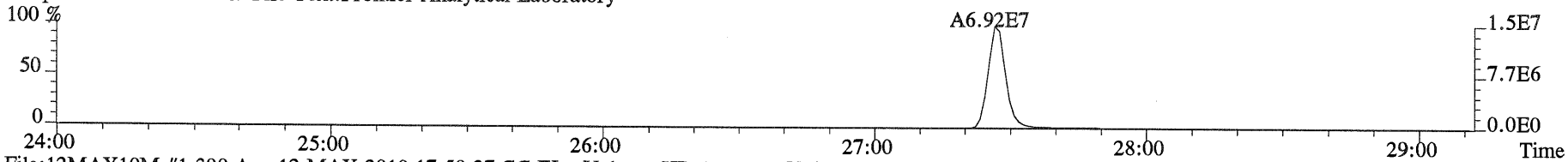
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



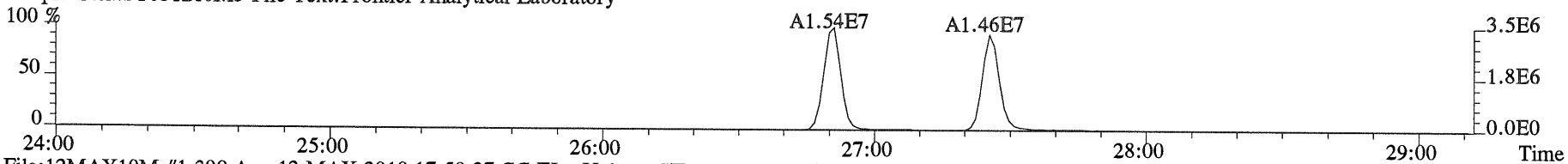
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



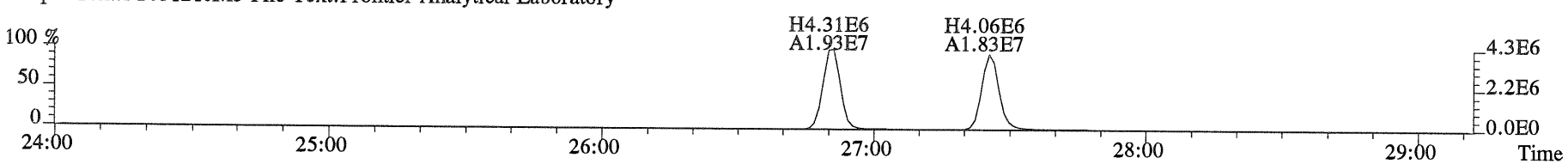
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



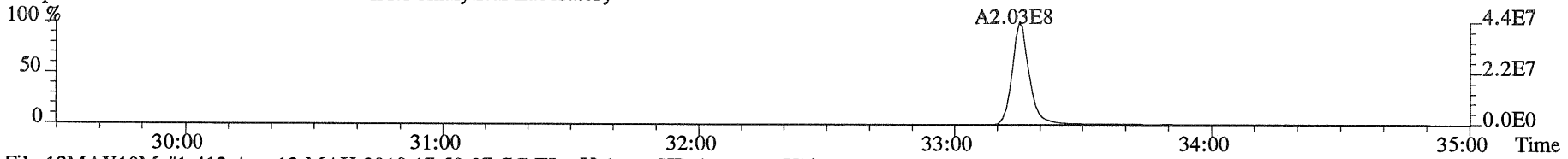
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



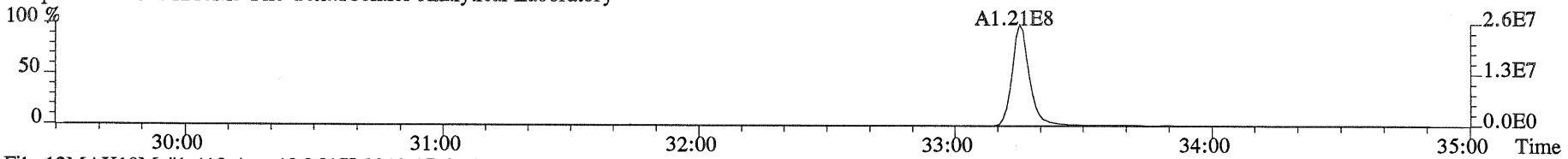
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



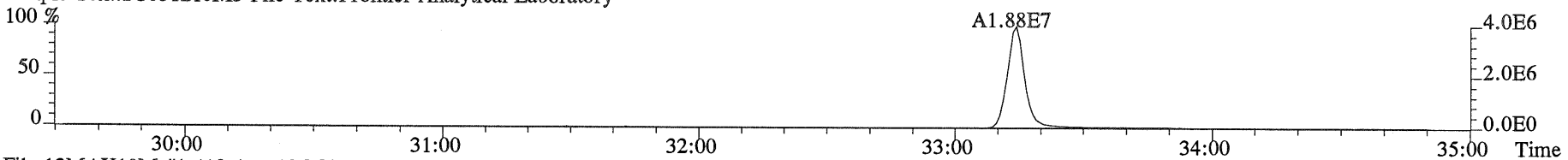
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



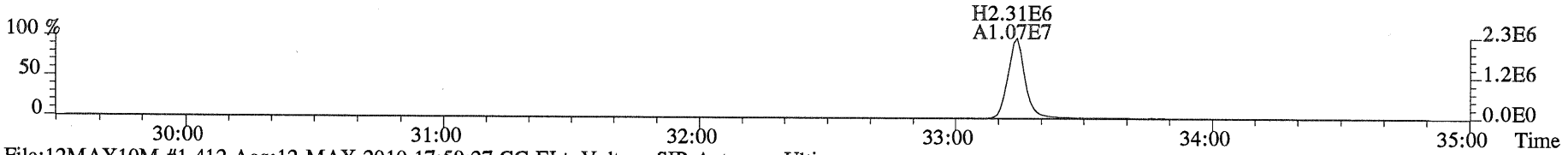
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



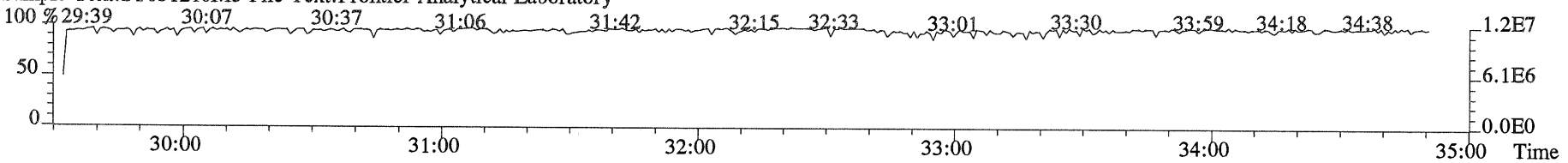
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



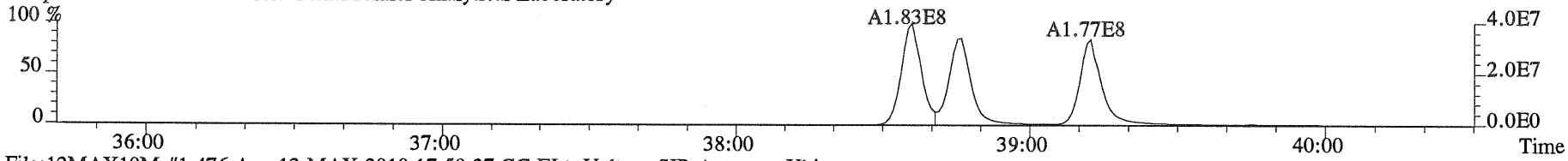
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



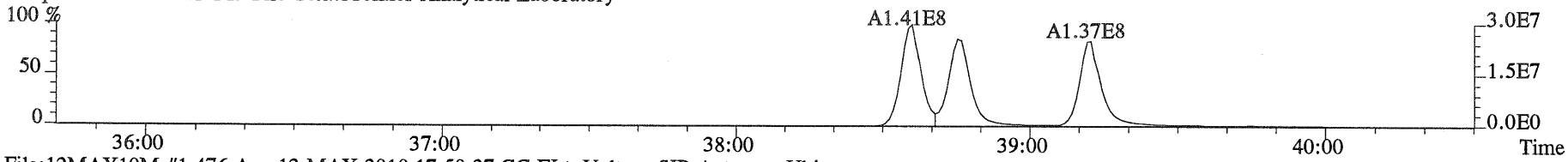
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:6 F:2 Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



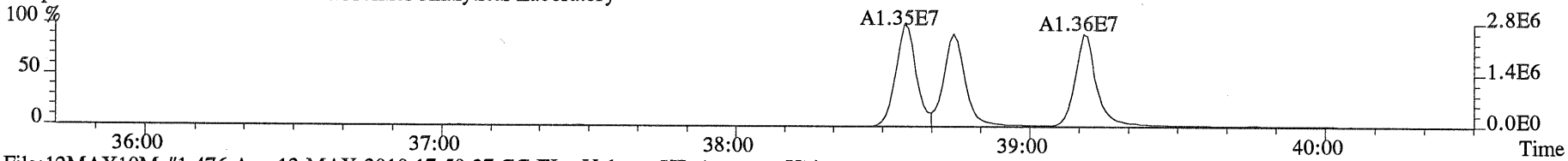
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



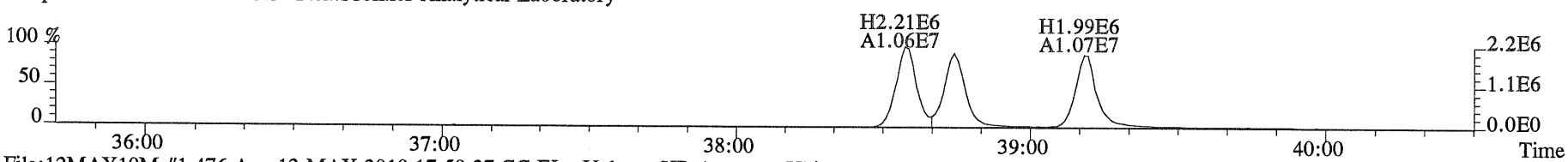
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



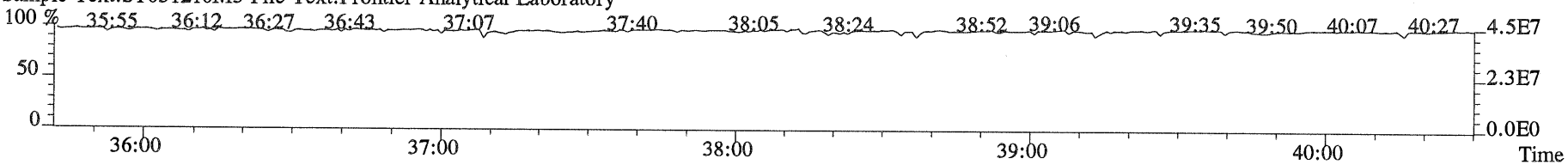
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



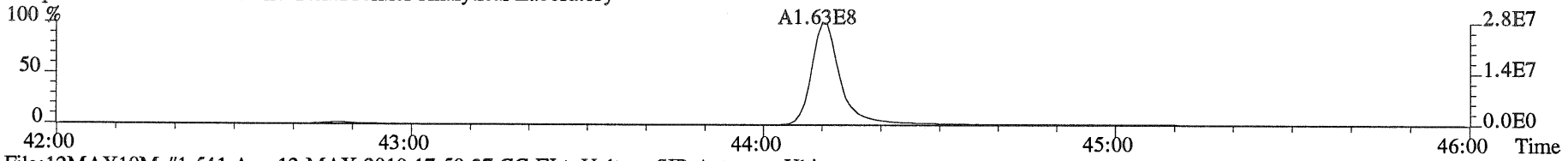
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



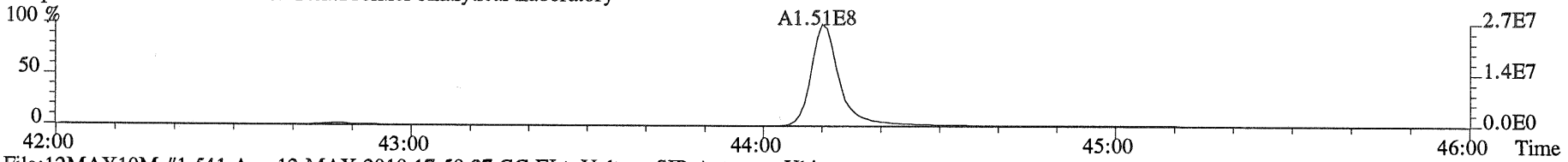
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:6 F:3 Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



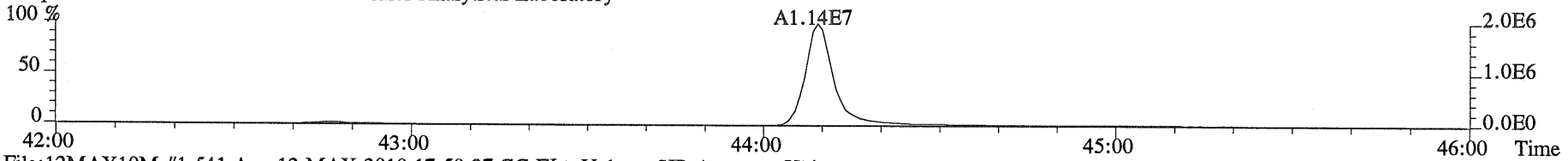
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



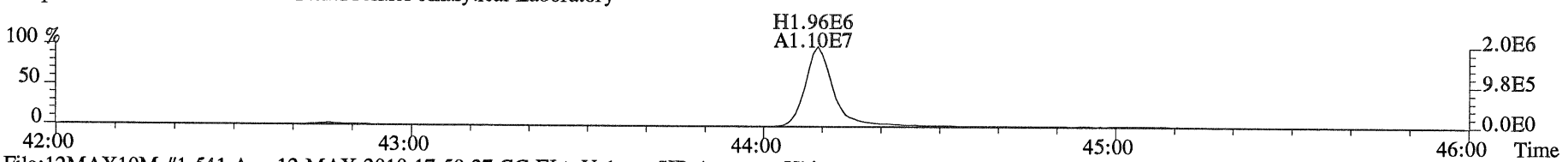
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



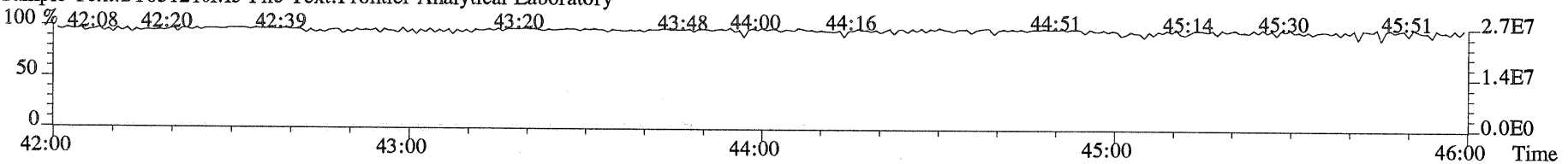
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



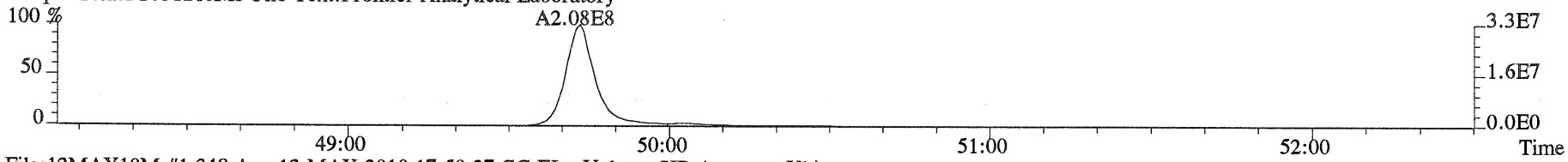
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



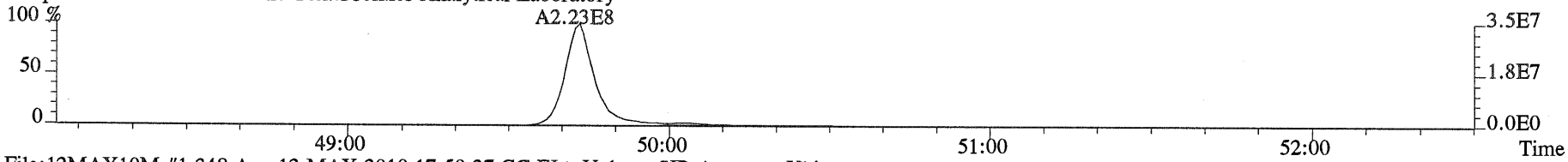
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:6 F:4 Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



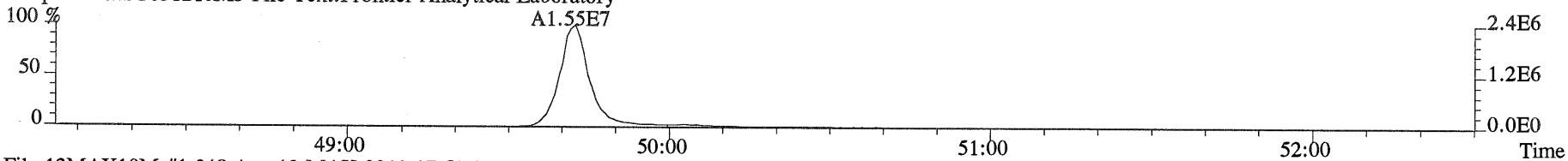
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



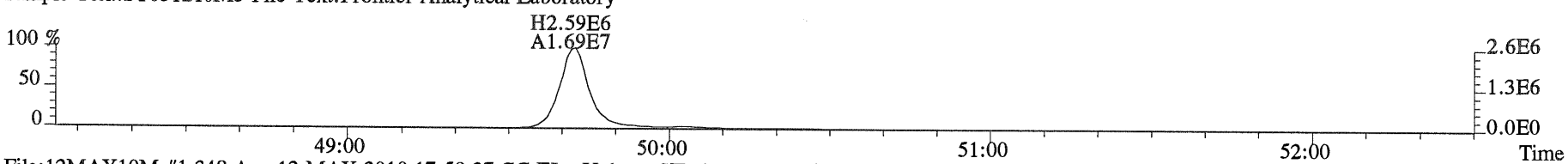
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



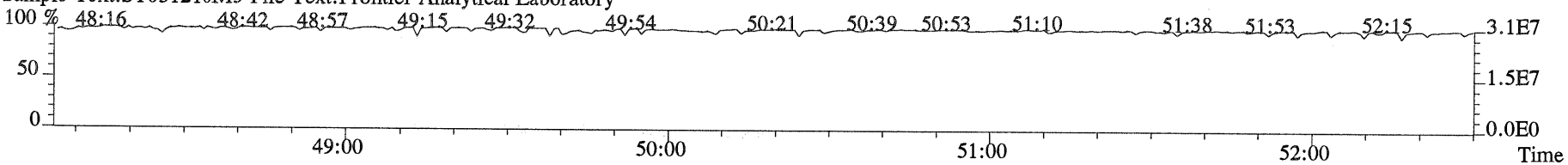
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



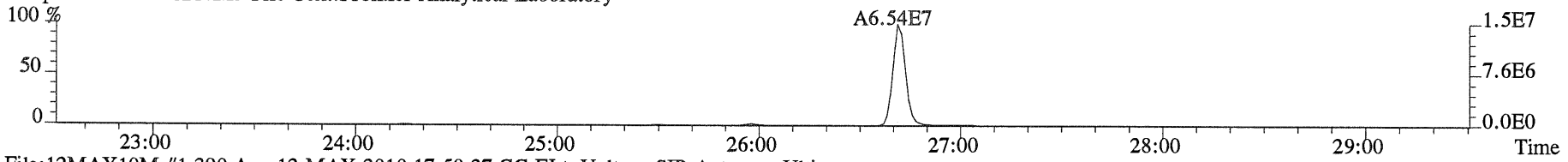
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



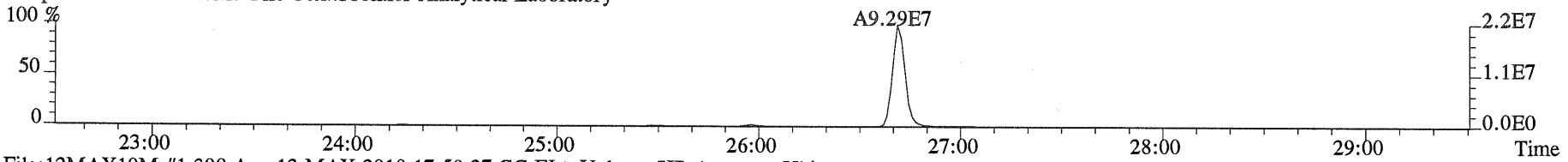
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:6 F:5 Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



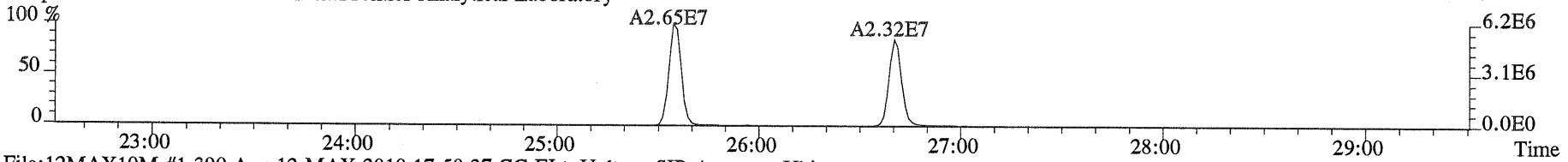
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



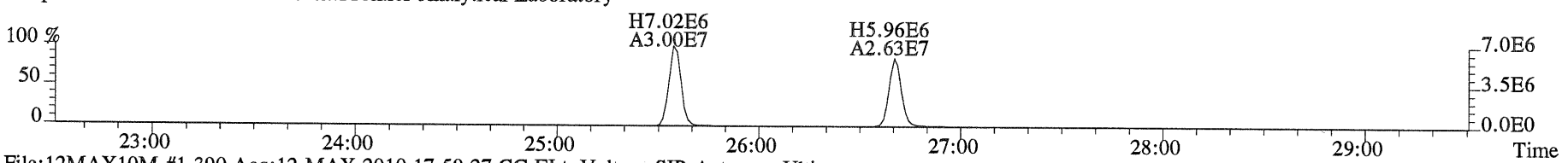
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



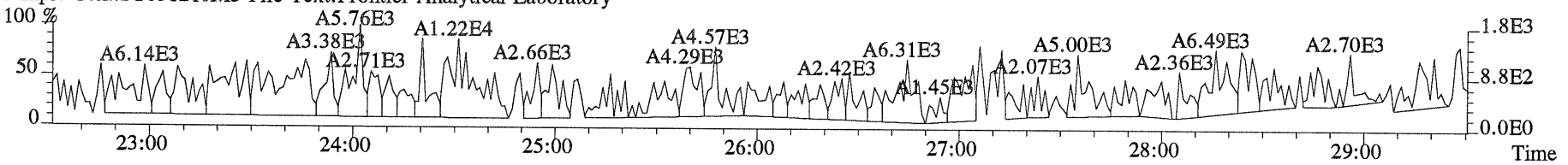
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



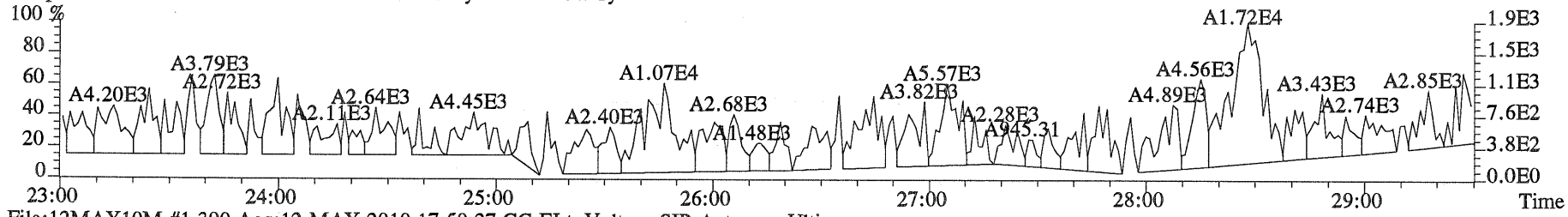
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



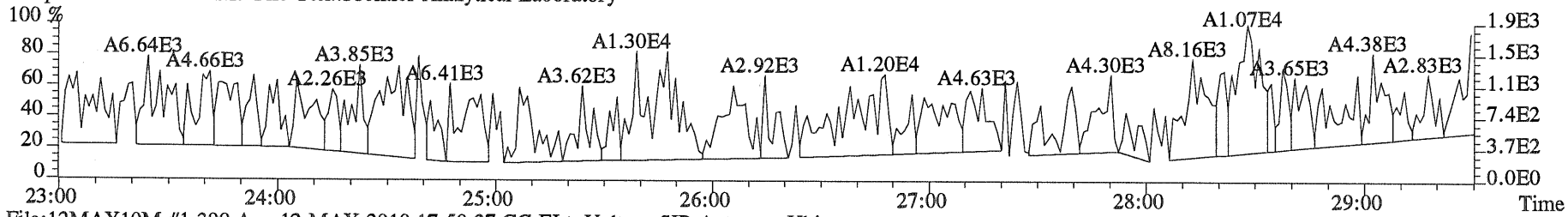
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



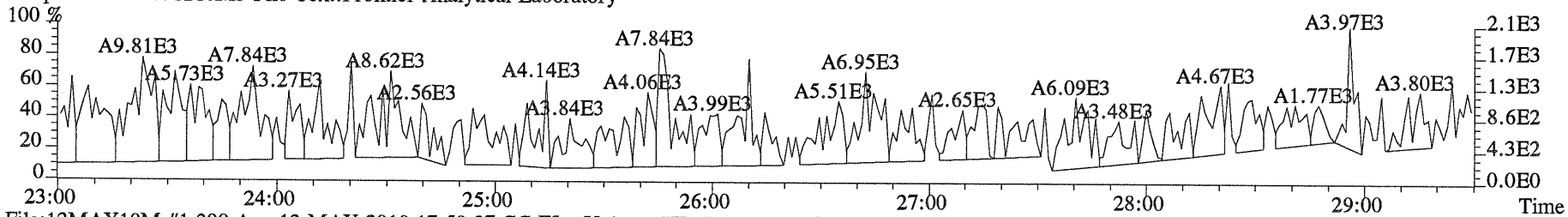
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



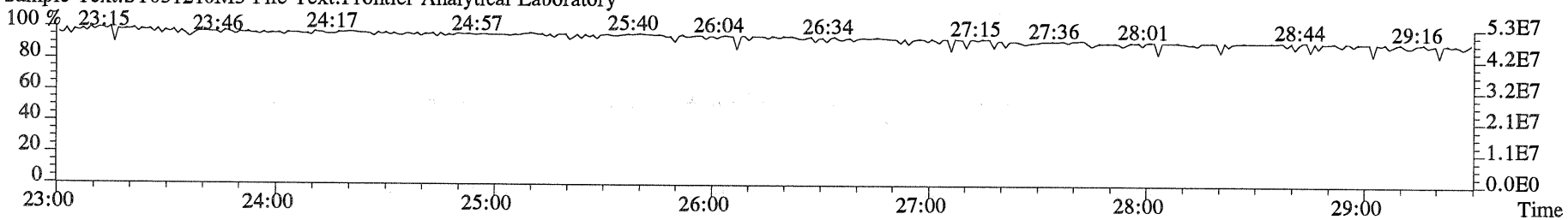
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



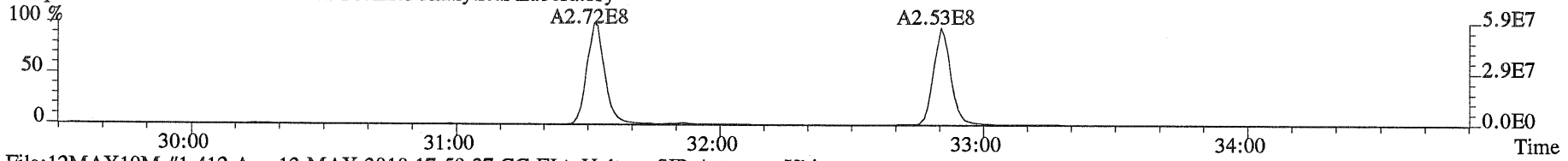
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



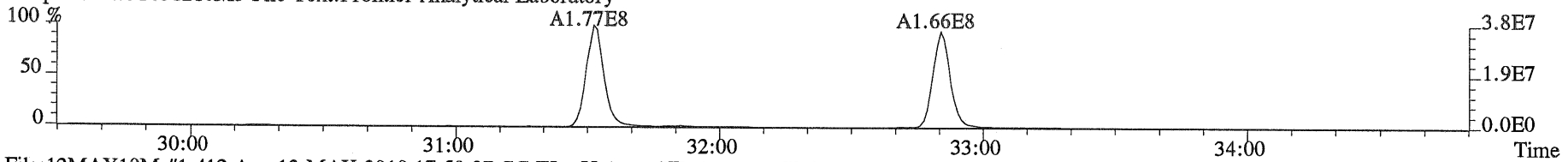
File:12MAY10M #1-390 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:6 Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



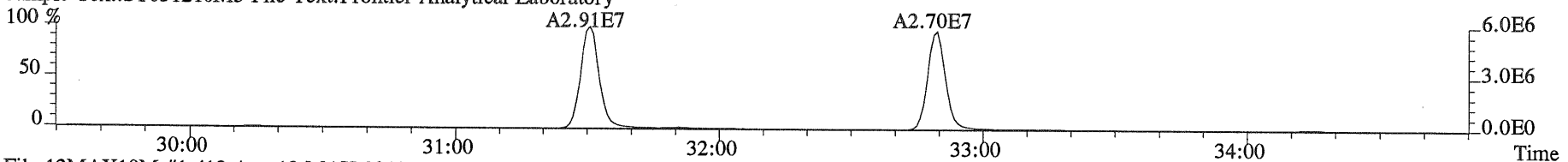
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



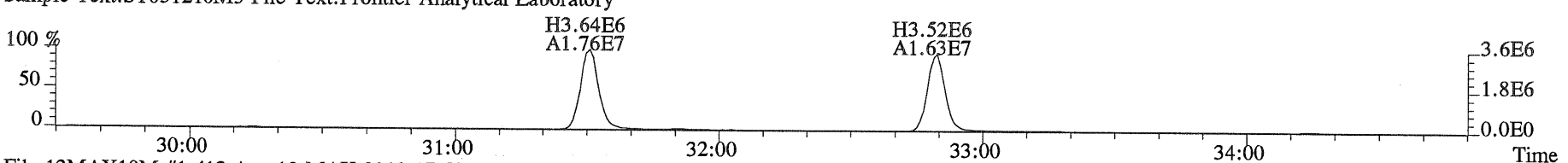
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



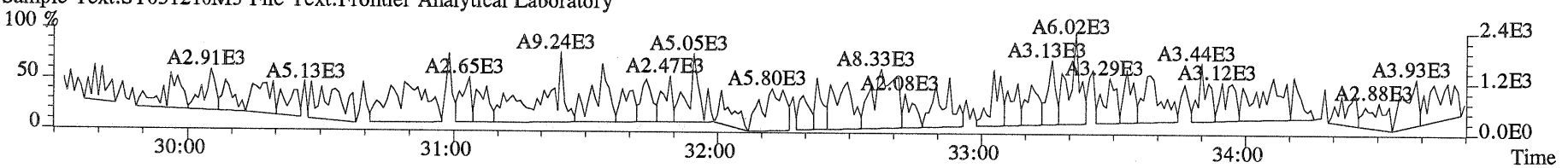
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



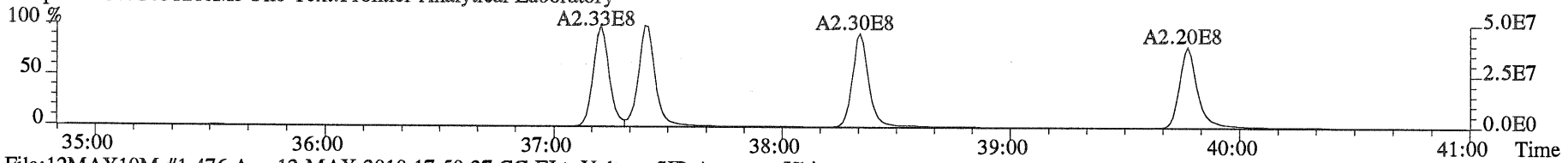
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



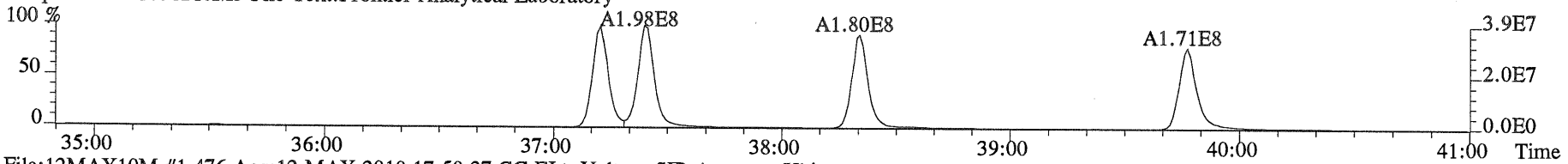
File:12MAY10M #1-412 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



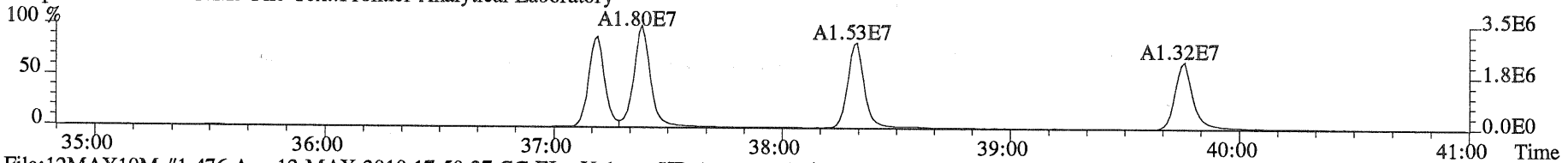
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



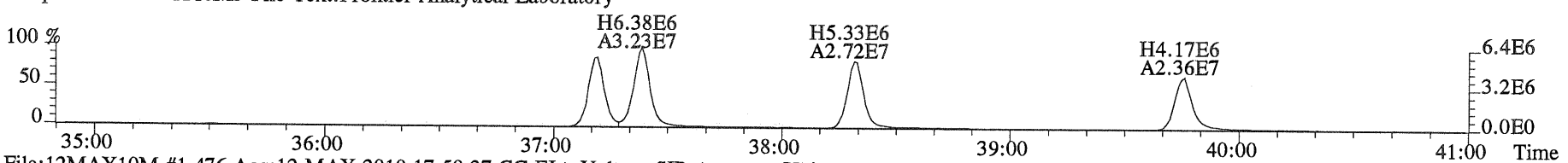
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



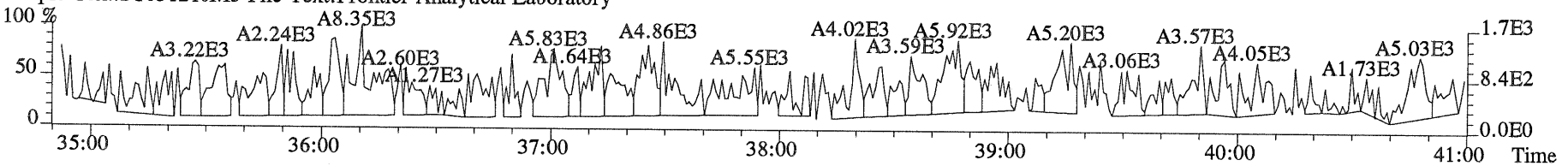
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



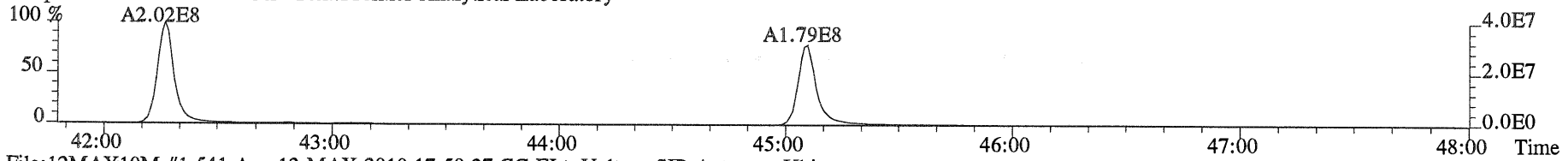
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



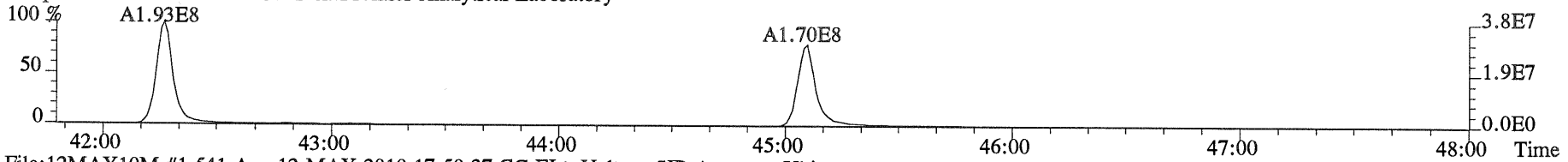
File:12MAY10M #1-476 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



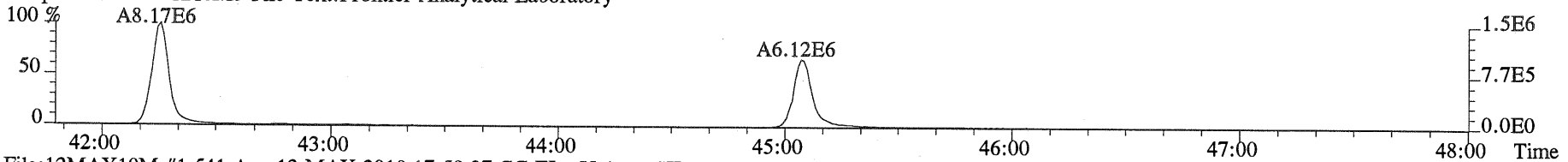
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



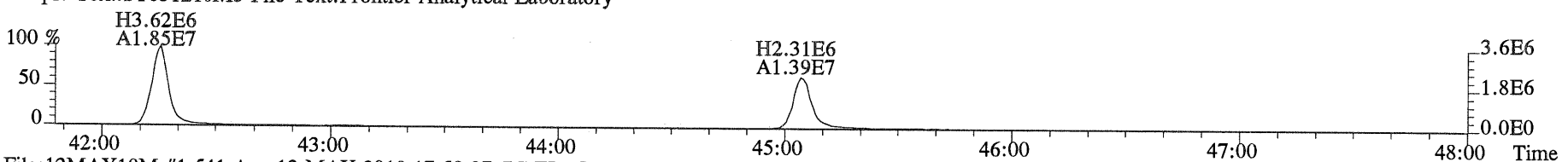
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



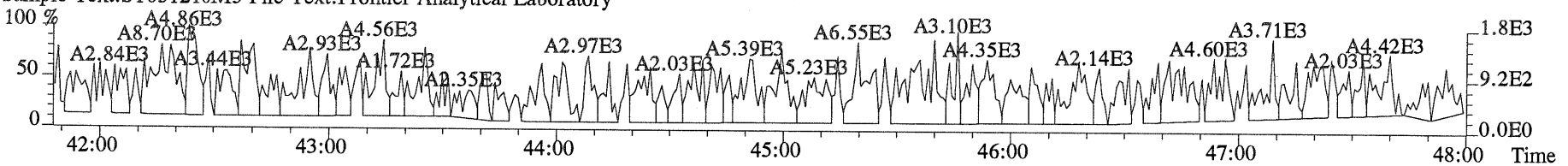
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



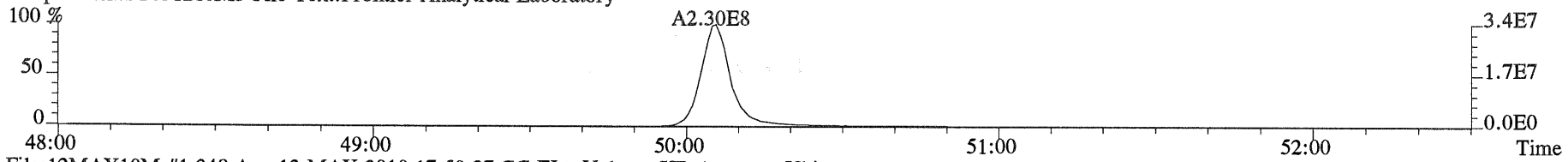
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



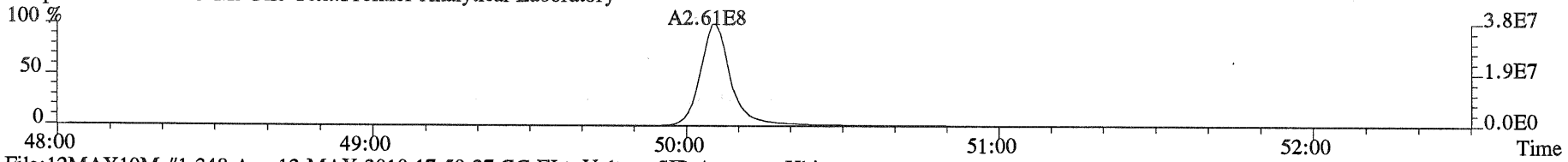
File:12MAY10M #1-541 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



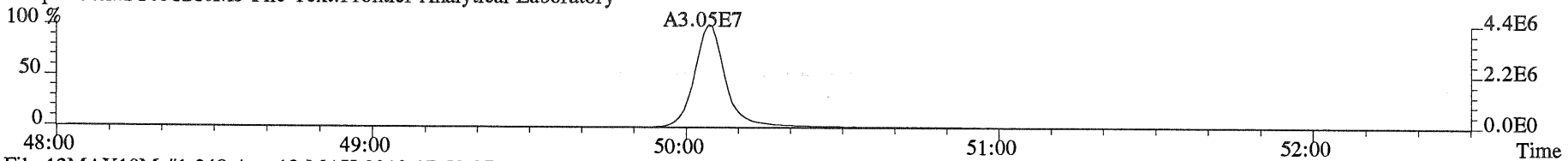
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



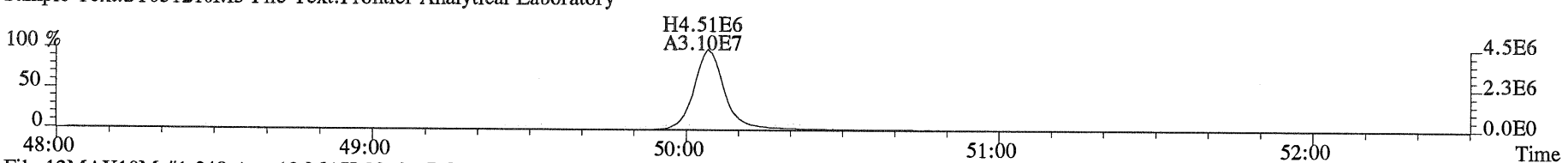
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



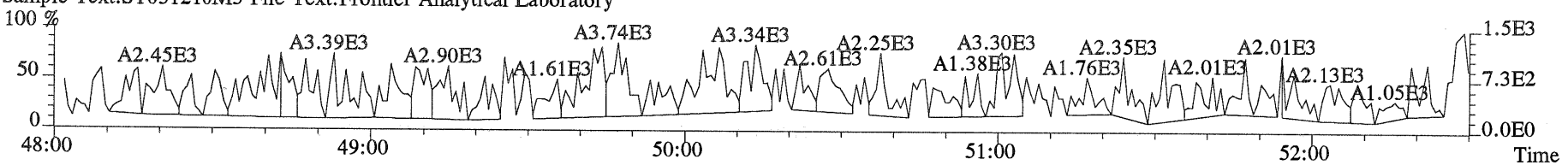
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory



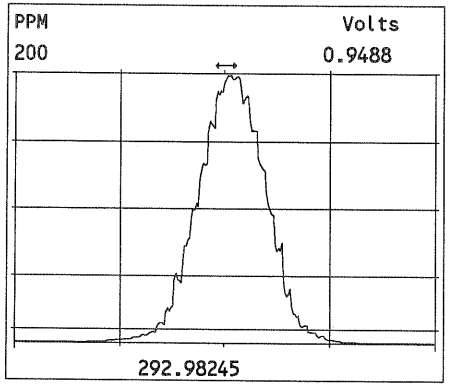
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory

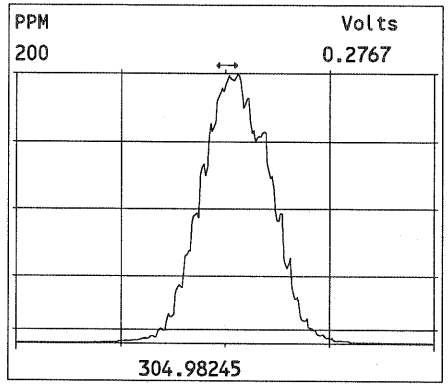


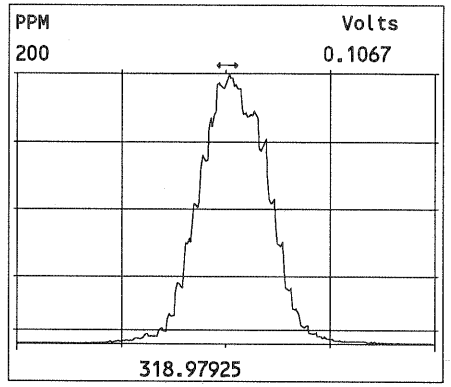
File:12MAY10M #1-348 Acq:12-MAY-2010 17:59:27 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST051210M5 File Text:Frontier Analytical Laboratory

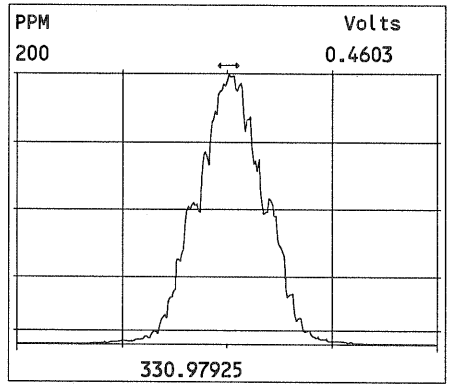


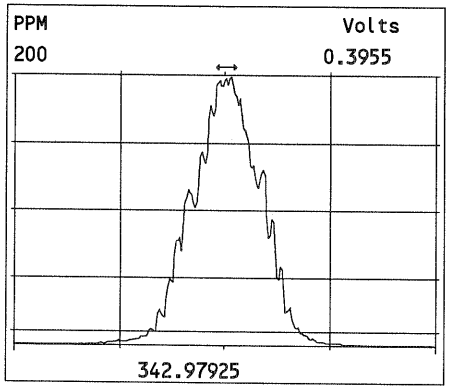
Peak Locate Examination:12-MAY-2010:20:47 File:12MAY10M_RES_CHECK
Experiment:PCDD Function:1 Reference:PFK

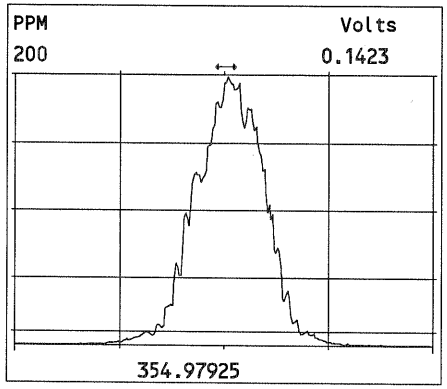


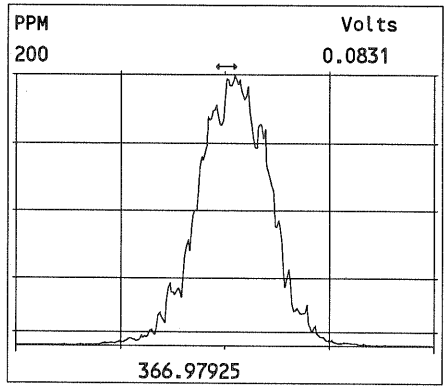


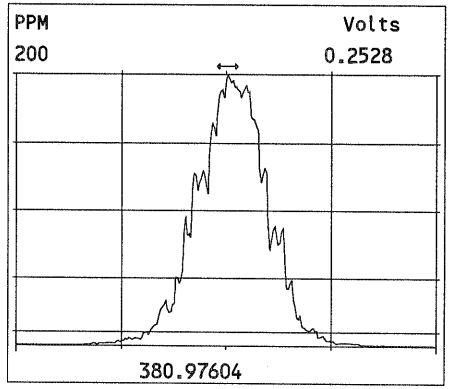


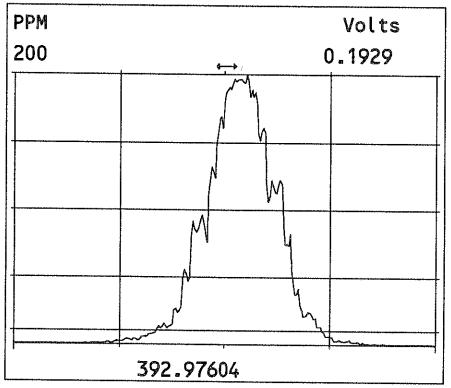


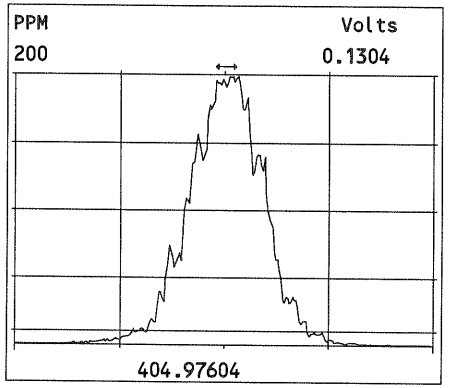


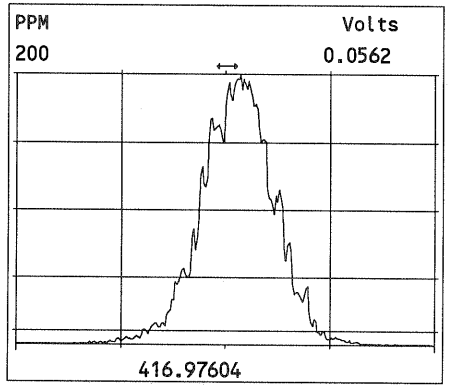




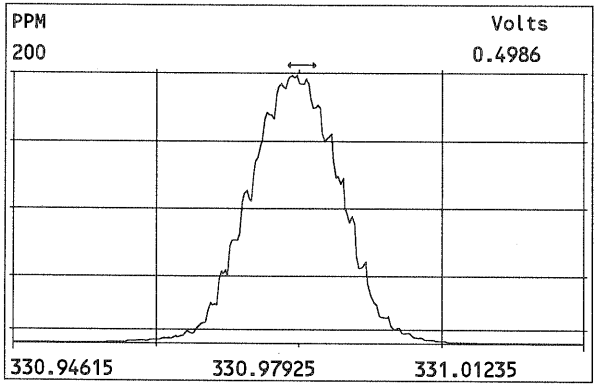


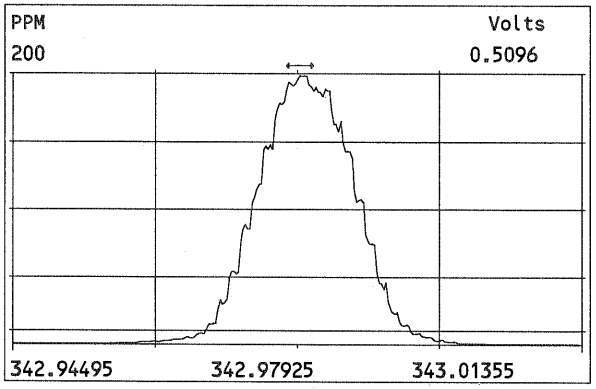


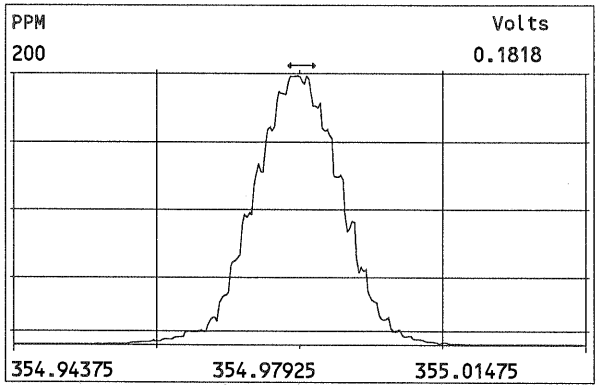


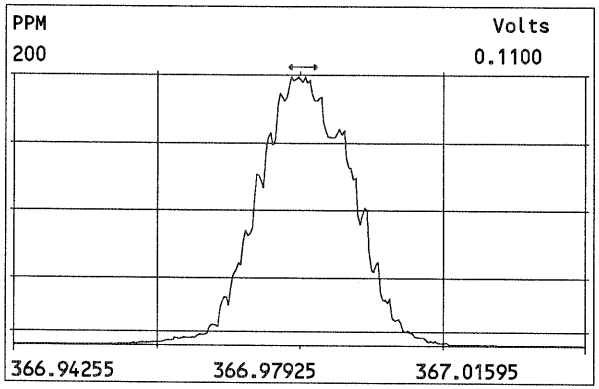


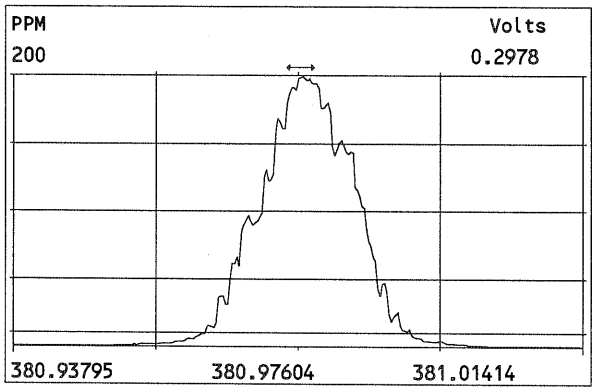
Peak Locate Examination:12-MAY-2010:20:49 File:12MAY10M_RES_CHECK
Experiment:PCDD Function:2 Reference:PFK

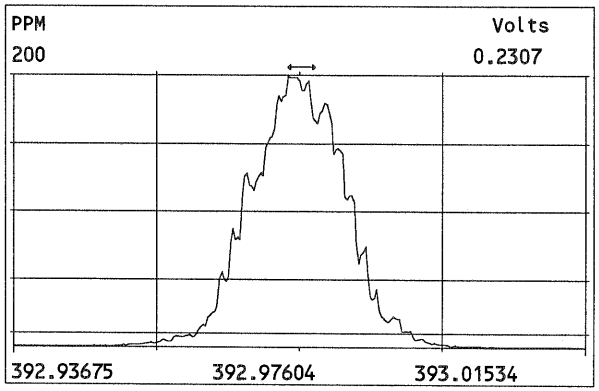


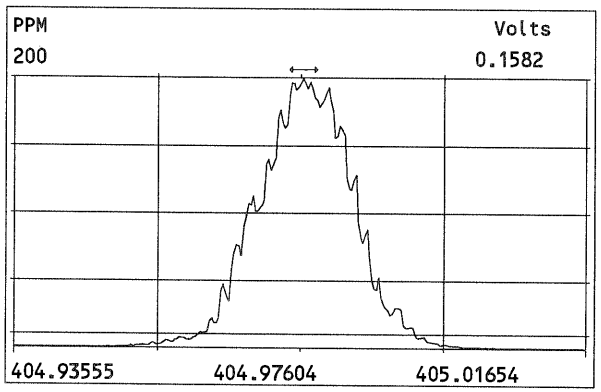


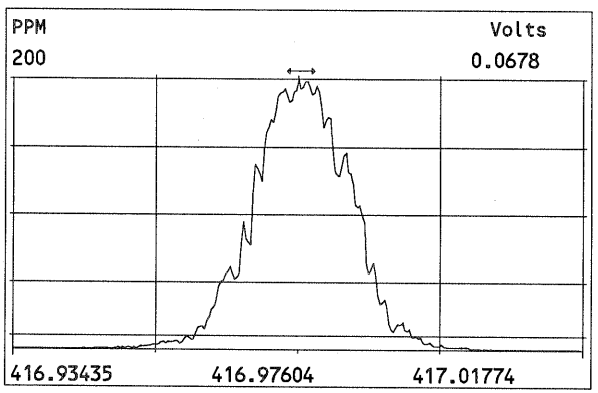




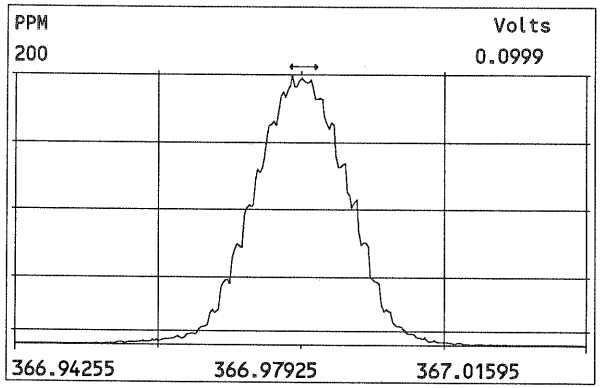


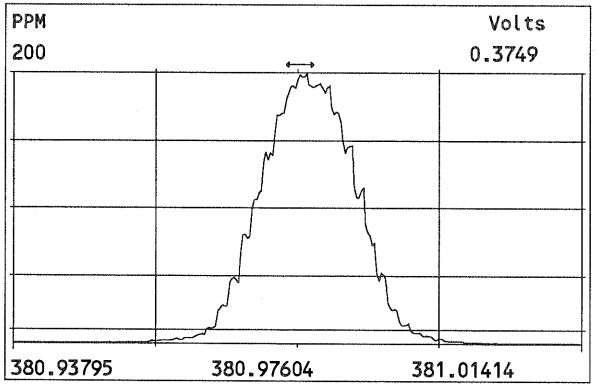


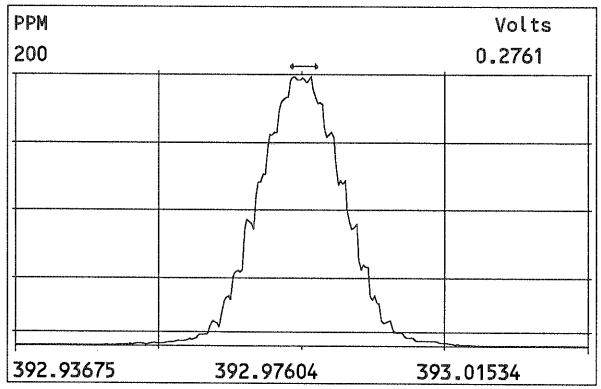


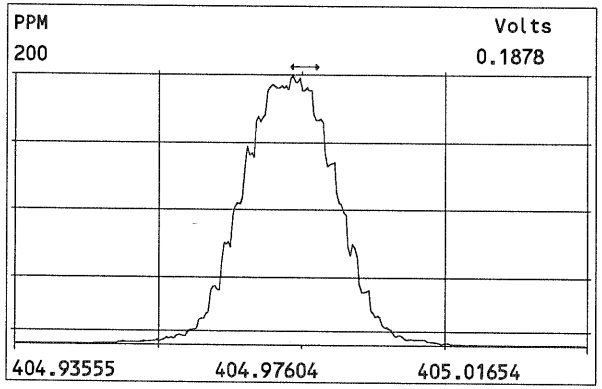


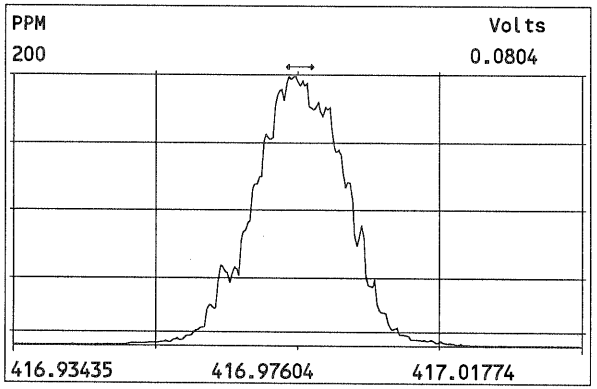
Peak Locate Examination:12-MAY-2010:20:51 File:12MAY10M_RES_CHECK
Experiment:PCDD Function:3 Reference:PFK

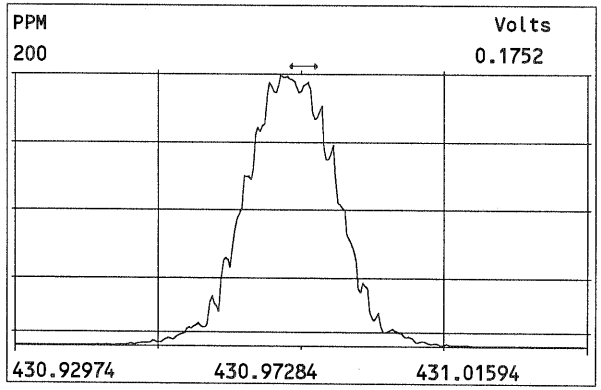


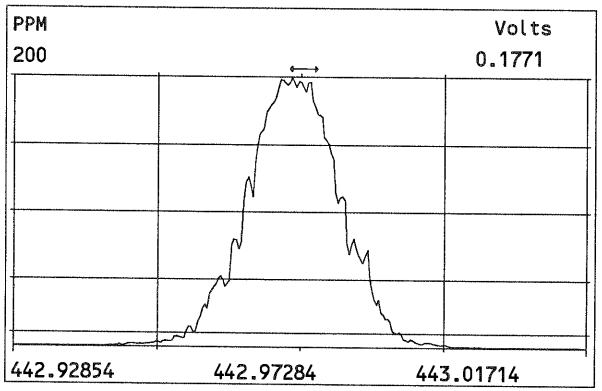


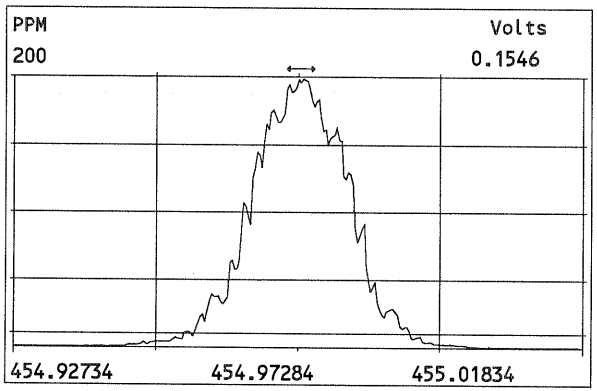






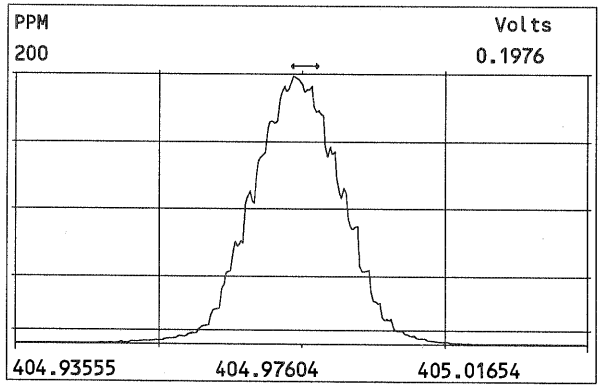


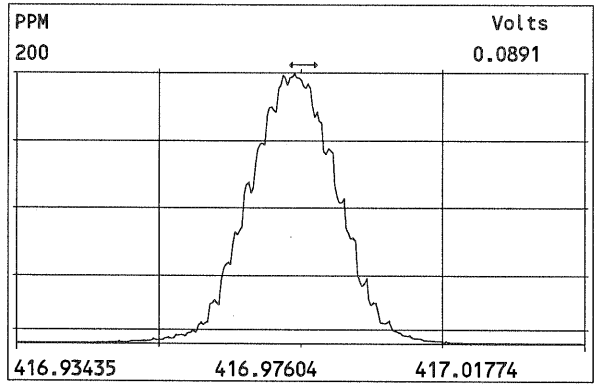


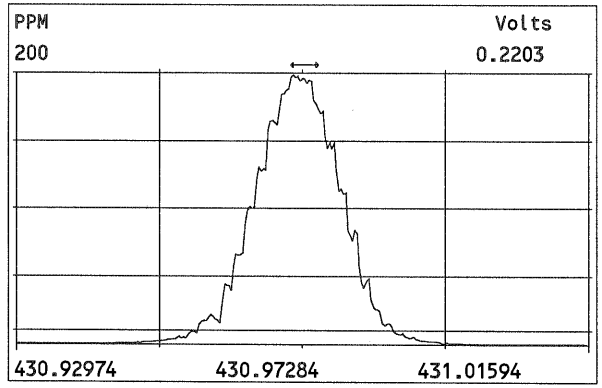


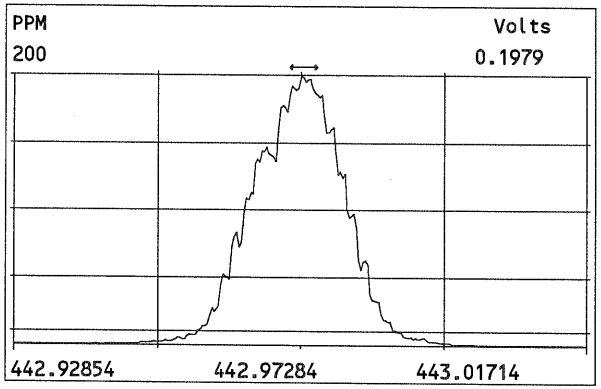
Peak Locate Examination:12-MAY-2010:20:53 File:12MAY10M_RES_CHECK

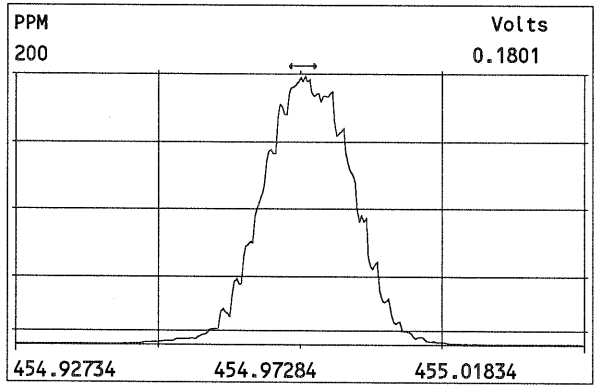
Experiment:PCDD Function:4 Reference:PFK

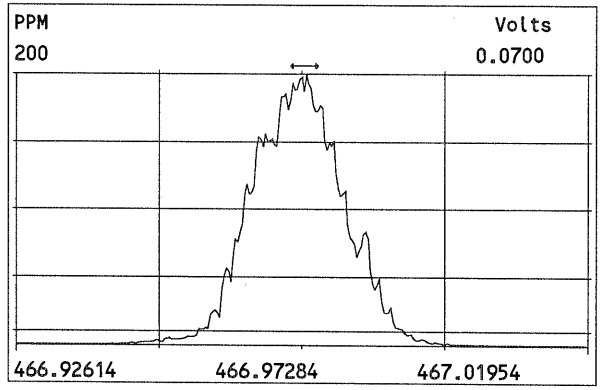


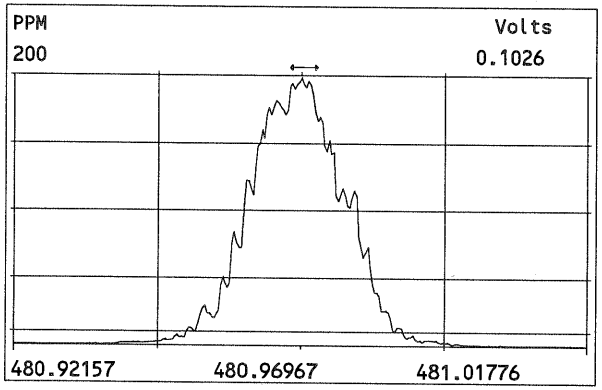






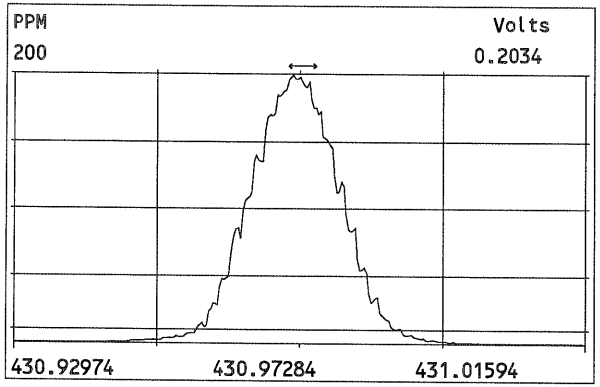


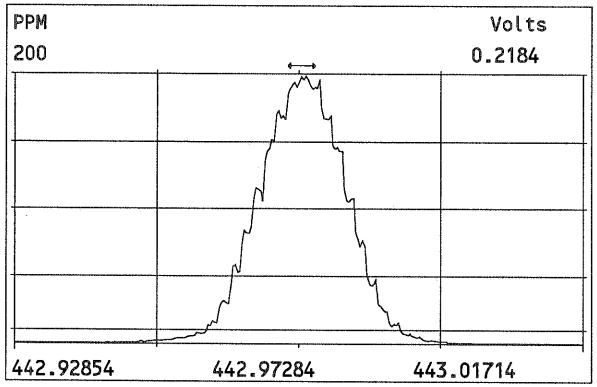


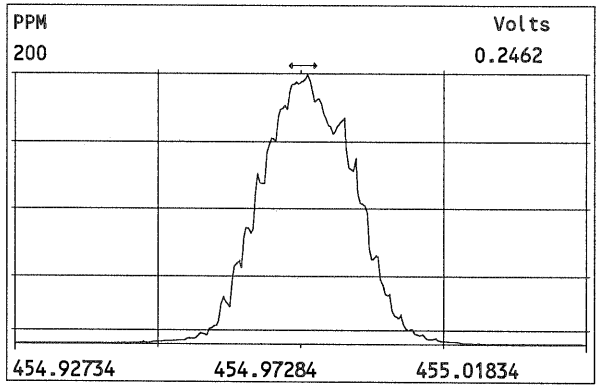


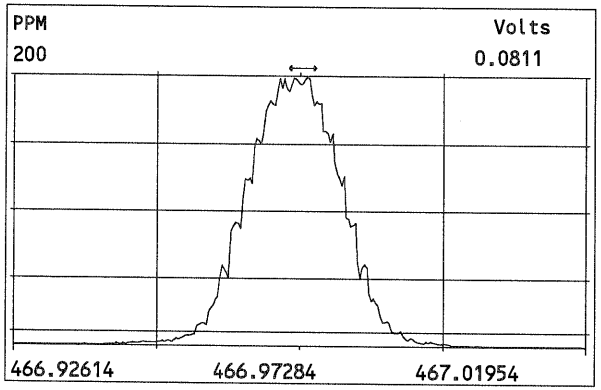
Peak Locate Examination:12-MAY-2010:20:55 File:12MAY10M_RES_CHECK

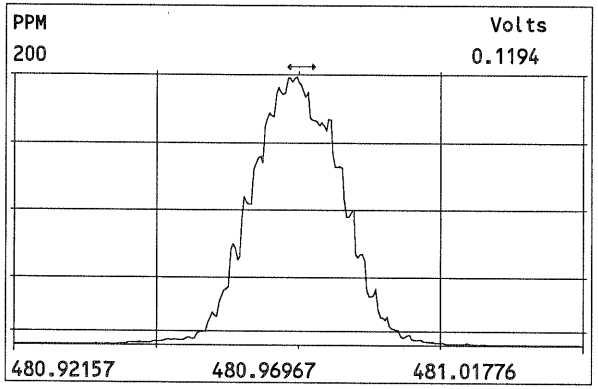
Experiment:PCDD Function:5 Reference:PFK

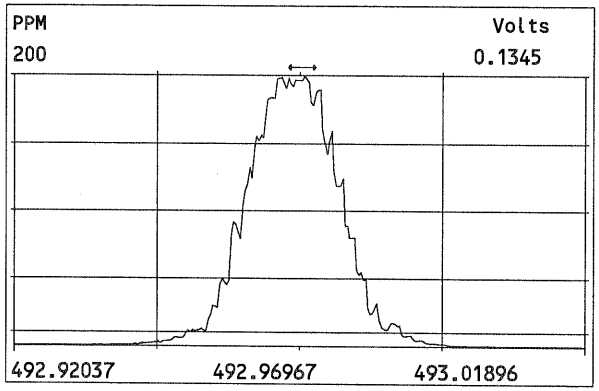


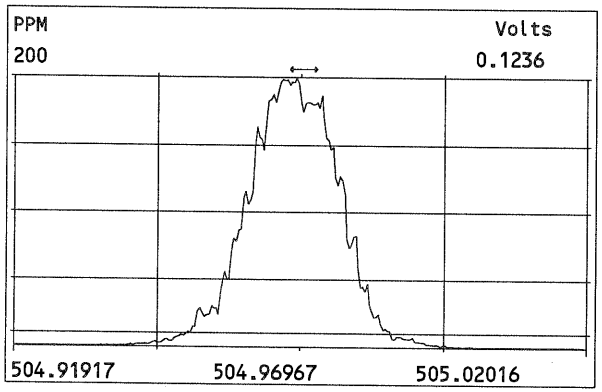


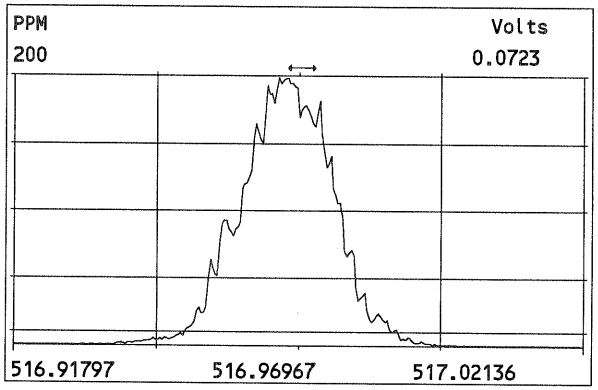












USEPA - ITD

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

VER Data Filename: 11AUG10M Sam:1 Analysis Date: 11-AUG-10 09:36:02

NATIVE ANALYTES	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
2,3,7,8-TCDD	M/M+2	0.70	0.65-0.89	y	10.7	7.80 - 12.9
1,2,3,7,8-PeCDD	M+2/M+4	1.60	1.32-1.78	y	51.7	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.39	1.05-1.43	y	54.5	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.38	1.05-1.43	y	53.3	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.38	1.05-1.43	y	54.0	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.00	0.88-1.20	y	52.2	43.0 - 58.0
OCDD	M+2/M+4	0.97	0.76-1.02	y	111	79.0 - 126
2,3,7,8-TCDF	M/M+2	0.68	0.65-0.89	y	10.2	8.40 - 12.0
1,2,3,7,8-PeCDF	M+2/M+4	1.50	1.32-1.78	y	53.6	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.49	1.32-1.78	y	51.0	41.0 - 60.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05-1.43	y	48.0	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05-1.43	y	48.6	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.27	1.05-1.43	y	48.8	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.26	1.05-1.43	y	49.4	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.06	0.88-1.20	y	48.8	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.06	0.88-1.20	y	48.7	43.0 - 58.0
OCDF	M+2/M+4	0.87	0.76-1.02	y	96.8	63.0 - 159

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

Analyst: _____ Date: 8/12/10

USEPA - ITD

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

VER Data Filename: 11AUG10M Sam:1 Analysis Date: 11-AUG-10 09:36:02

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
LABELED COMPOUNDS						
13C-2,3,7,8-TCDD	M/M+2	0.83	0.65-0.89	y	101	82.0 - 121
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.74	1.32-1.78	y	109	62.0 - 160
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.23	1.05-1.43	y	109	85.0 - 117
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05-1.43	y	97.9	85.0 - 118
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	0.99	0.88-1.20	y	106	72.0 - 138
13C-OCDD	M+2/M+4	0.92	0.76-1.02	y	219	96.0 - 415
13C-2,3,7,8-TCDF	M/M+2	0.88	0.65-0.89	y	102	71.0 - 140
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.68	1.32-1.78	y	98.1	76.0 - 130
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.68	1.32-1.78	y	101	77.0 - 130
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	124	76.0 - 131
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	115	70.0 - 143
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	121	73.0 - 137
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.53	0.43-0.59	y	123	74.0 - 135
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.43	0.37-0.51	y	112	78.0 - 129
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.37-0.51	y	121	77.0 - 129
13C-OCDF	M+2/M+4	0.97	0.76-1.02	y	244	96.0 - 415
CLEANUP STANDARD (4)						
37Cl-2,3,7,8-TCDD					9.68	7.80 - 12.8

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) No ion abundance ratio; report concentration found.

Analyst: _____ Date: 8/12/10

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: FAL3 Initial Calibration Date: 5/12/10

RT Window Data Filename: 11AUG10M Sam:1 Analysis Date: 11-AUG-10 Time: 09:36:02

DB-5 IS Data Filename: 11AUG10M Sam:1 Analysis Date: 11-AUG-10 Time: 09:36:02

DB-225 IS Date Filename: Analysis Date: Time:

DB-5 RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	24:23	1,3,6,8-TCDF (F)	23:02
1,2,8,9-TCDD (L)	28:18	1,2,8,9-TCDF (L)	28:32
1,2,4,7,9-PeCDD (F)	30:13	1,3,4,6,8-PeCDF (F)	28:23
1,2,3,8,9-PeCDD (L)	33:46	1,2,3,8,9-PeCDF (L)	34:12
1,2,4,6,7,9-HxCDD (F)	36:06	1,2,3,4,6,8-HxCDF (F)	35:12
1,2,3,7,8,9-HxCDD (L)	39:10	1,2,3,7,8,9-HxCDF (L)	39:44
1,2,3,4,6,7,9-HpCDD (F)	42:46	1,2,3,4,6,7,8-HpCDF (F)	42:14
1,2,3,4,6,7,8-HpCDD (L)	44:09	1,2,3,4,7,8,9-HpCDF (L)	45:04

(F) = First eluting iosmer (DB-5); (L) = Last eluting isomer (DB-5)

==========

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

COMPARED PEAKS (1)	% VALLEY HEIGHT BETWEEN
	<25%

(1) To meet contract requirement, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: _____ Date: 8/12/10

USEPA - ITD

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.: Init. Cal. Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

Analysis Date: 11-AUG-10 09:36:02 CS3 or VER Data Filename: 11AUG10M Sam:1

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002
LABELED COMPOUNDS			
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.023	0.989-1.052
13C-2,3,7,8-TCDD		1.021	0.976-1.043
13C-2,3,7,8-TCDF		0.994	0.923-1.103
13C-1,2,3,7,8-PeCDD		1.239	1.000-1.567
13C-1,2,3,7,8-PeCDF		1.174	0.923-1.203
13C-2,3,4,7,8-PeCDF		1.224	0.923-1.303

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: _____ Date: 8/12/10

USEPA - ITD

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.: Init. Cal. Date: 5/12/10

Instrument ID: FAL3 GC Column ID: DB5

Analysis Date: 11-AUG-10 09:36:02 CS3 or VER Data Filename: 11AUG10M Sam:1

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.001	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.000	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.012	1.000-1.019
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.001	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.001	0.999-1.001
OCDF	13C-OCDF	1.001	0.999-1.001
LABELED COMPOUNDS			
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,7,8,9-HxCDD	0.985	0.977-1.000
13C-1,2,3,6,7,8-HxCDD		0.989	0.981-1.003
13C-1,2,3,4,7,8-HxCDF		0.949	0.944-0.970
13C-1,2,3,6,7,8-HxCDF		0.954	0.949-0.975
13C-2,3,4,6,7,8-HxCDF		0.978	0.959-1.021
13C-1,2,3,7,8,9-HxCDF		1.015	0.977-1.047
13C-1,2,3,4,6,7,8-HpCDD		1.127	1.086-1.130
13C-1,2,3,4,6,7,8-HpCDF		1.079	1.043-1.085
13C-1,2,3,4,7,8,9-HpCDF		1.151	1.057-1.154
13C-OCDD		1.269	1.032-1.311
13C-OCDF		1.278	1.000-1.311

(1) Contract-required limits for Relative Retention Times (RRT) as specified in Table 2, Method 1613.

Analyst: _____ Date: 8/12/10