TestAmerica
ANALYTICAL TESTING CORPORATION

February 8, 2007

Burns & McDonnell, San Francisco
393 E. Grand Avenue, Suite J
San Francisco, CA 94080

Attention: Gary Messerotes

Project: Weber
40641
Sampled: 1/17/07
Test America Number: IQA1645

Dear Mr. Messerotes:

Frontier Analytical Laboratories performed Method DLM02.0 for tetra- through octa- chlorinated dibenzo dioxins and furans analysis for the project referenced above. Please use the following cross-reference table when reviewing your results.

Burns & McDonnell ID	Test America– Irvine ID	Frontier ID
SW-5	IQA1645-03	4284-001
SW-3	IQA1645-04	4284-002

Attached is the original report from Frontier Analytical Laboratories. If you have any questions or require further assistance, please contact me at (949) 261-1022 extension 213.

Sincerely yours,

TESTAMERICA

Patty Mata
Project Manager

Enclosure

FRONTIER
ANALYTICAL LABORATORY

February 1, 2007

FAL Project ID: 4284

Ms. Patty Mata
TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614

Dear Ms. Mata,

Enclosed are the results for Frontier Analytical Laboratory project **4284**. This corresponds to your project #IQA1645. The two aqueous samples received on 1/19/2007 were extracted and analyzed by EPA Method DLM02.0 for tetra through octa chlorinated dibenzo dioxins and furans. TestAmerica requested a turnaround time of fifteen business days for project **4284**.

The following Level IV report consists of two separate sections. The first section is the standard Frontier Analytical Laboratory Level I data package. This includes the case narrative, our project-sample tracking log, the analytical results, your chain of custody, our sample login form, and a sample photo. The second section is the EPA Method DLM02.0 data package. This includes the case narrative and all items listed on the CDD/CDF complete SDG file (CSF) inventory sheet. In addition, the electronic data deliverables (EDDs) you requested for Geotracker and ERPIMS have been sent to you via email.

I verify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or is/her designee, as verified by the following signature.

If you have any questions regarding project **4284**, please contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Bradley B. Silverbush
Director of Operations

FRONTIER ANALYTICAL LABORATORY
5172 Hillsdale Circle • El Dorado Hills, CA 95762
Tel (916) 934-0900 • Fax (916) 934-0999
dioxin@frontieranalytical.com

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **4284**

Received on: **01/19/2007** Project Due: **02/12/2007** Storage: **R1**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
4284-001-SA	0	IQA1645	IQA1645-03	DLM02.0 D/F	Aqueous	01/17/2007	11:20 am	01/28/2007
4284-002-SA	0	IQA1645	IQA1645-04	DLM02.0 D/F	Aqueous	01/17/2007	01:00 pm	01/28/2007

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EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

PAL ID: 4284-001-MB
Client ID: Method Blank
Matrix: Aqueous
Batch No: X1063

Date Extracted: 01-26-2007
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: pg/L

Acquired: 01-29-2007
NATO TEQ: 0.00

Compound	Conc	DL	Qual	NATO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.931		-	0.488				
1,2,3,7,8-PeCDD	ND	1.25		-	0.503				
1,2,3,4,7,8-HxCDD	ND	2.18		-	0.681				
1,2,3,6,7,8-HxCDD	ND	2.95		-	0.689	Total TCDD	ND	0.931	
1,2,3,7,8,9-HxCDD	ND	3.23		-	0.793	Total PeCDD	ND	1.25	
1,2,3,4,6,7,8-HpCDD	ND	1.87		-	0.714	Total HxCDD	ND	3.23	
OCDD	ND	3.60		-	2.15	Total HpCDD	ND	1.87	
2,3,7,8-TCDF	ND	0.859		-	0.435				
1,2,3,7,8-PeCDF	ND	2.52		-	0.572				
2,3,4,7,8-PeCDF	ND	2.43		-	0.543				
1,2,3,4,7,8-HxCDF	ND	1.12		-	0.291				
1,2,3,6,7,8-HxCDF	ND	1.05		-	0.285				
2,3,4,6,7,8-HxCDF	ND	1.22		-	0.317				
1,2,3,7,8,9-HxCDF	ND	1.40		-	0.276	Total TCDF	ND	0.859	
1,2,3,4,6,7,8-HpCDF	ND	1.12		-	0.373	Total PeCDF	ND	2.56	
1,2,3,4,7,8,9-HpCDF	ND	1.52		-	0.540	Total HxCDF	ND	1.40	
OCDF	ND	3.43		-	1.01	Total HpCDF	ND	1.52	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	84.5	25.0 - 164	
13C-1,2,3,7,8-PeCDD	89.8	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	86.1	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	94.4	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	81.6	23.0 - 140	
13C-OCDD	71.1	17.0 - 157	
13C-2,3,7,8-TCDF	84.1	24.0 - 169	
13C-1,2,3,7,8-PeCDF	88.5	24.0 - 185	
13C-2,3,4,7,8-PeCDF	89.1	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	85.4	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	89.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	88.5	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	90.9	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	84.4	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	79.7	26.0 - 138	
13C-OCDF	72.8	17.0 - 157	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	92.0	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
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: BN

Date: 1/30/2007

Reviewed By: [illegible]

Date: 1/31/07

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EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4284-001-OPR
Client ID: OPR
Matrix: Aqueous
Batch No: X1063

Date Extracted: 01-26-2007
Date Received: NA
Amount: 1.000 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: ng/ml

Acquired: 01-29-2007
NATO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	9.96	6.70 - 15.8	
1,2,3,7,8-PeCDD	49.6	35.0 - 71.0	
1,2,3,4,7,8-HxCDD	52.5	35.0 - 82.0	
1,2,3,6,7,8-HxCDD	54.4	38.0 - 67.0	
1,2,3,7,8,9-HxCDD	52.5	32.0 - 81.0	
1,2,3,4,6,7,8-HpCDD	51.8	35.0 - 70.0	
OCDD	107	78.0 - 144	
2,3,7,8-TCDF	9.76	7.50 - 15.8	
1,2,3,7,8-PeCDF	55.9	40.0 - 67.0	
2,3,4,7,8-PeCDF	56.1	34.0 - 80.0	
1,2,3,4,7,8-HxCDF	52.2	36.0 - 67.0	
1,2,3,6,7,8-HxCDF	53.1	42.0 - 65.0	
2,3,4,6,7,8-HxCDF	53.7	39.0 - 65.0	
1,2,3,7,8,9-HxCDF	53.1	35.0 - 78.0	
1,2,3,4,6,7,8-HpCDF	51.9	41.0 - 61.0	
1,2,3,4,7,8,9-HpCDF	51.7	39.0 - 69.0	
OCDF	108	63.0 - 170	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	84.5	20.0 - 175	
13C-1,2,3,7,8-PeCDD	86.6	21.0 - 227	
13C-1,2,3,4,7,8-HxCDD	78.7	21.0 - 193	
13C-1,2,3,6,7,8-HxCDD	82.0	25.0 - 163	
13C-1,2,3,4,6,7,8-HpCDD	74.2	26.0 - 166	
13C-OCDD	65.0	13.0 - 198	
13C-2,3,7,8-TCDF	84.3	22.0 - 152	
13C-1,2,3,7,8-PeCDF	82.5	21.0 - 192	
13C-2,3,4,7,8-PeCDF	86.5	13.0 - 328	
13C-1,2,3,4,7,8-HxCDF	76.6	19.0 - 202	
13C-1,2,3,6,7,8-HxCDF	80.5	21.0 - 159	
13C-2,3,4,6,7,8-HxCDF	82.5	17.0 - 205	
13C-1,2,3,7,8,9-HxCDF	79.4	22.0 - 176	
13C-1,2,3,4,6,7,8-HpCDF	77.5	21.0 - 158	
13C-1,2,3,4,7,8,9-HpCDF	71.9	20.0 - 186	
13C-OCDF	65.8	13.0 - 198	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	94.7	31.0 - 191

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
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: BN
Date: 1/30/2007

Reviewed By: [illegible]
Date: 1/31/07

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EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4284-001-SA
Client ID: IQA1645-03
Matrix: Aqueous
Batch No: X1063

Date Extracted: 01-26-2007
Date Received: 01-19-2007
Amount: 1.004 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: pg/L

Acquired: 01-29-2007
NATO TEQ: 0.157

Compound	Conc	DL	Qual	NATO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	1.02		-	0.488				
1,2,3,7,8-PeCDD	ND	2.75		-	0.503				
1,2,3,4,7,8-HxCDD	ND	2.32		-	0.681				
1,2,3,6,7,8-HxCDD	ND	3.04		-	0.689	Total TCDD	ND	1.02	
1,2,3,7,8,9-HxCDD	ND	3.39		-	0.793	Total PeCDD	ND	2.75	
1,2,3,4,6,7,8-HpCDD	9.36	-	J	0.0936	0.714	Total HxCDD	ND	3.39	
OCDD	63.1	-		0.0631	2.15	Total HpCDD	19.4	-	J
2,3,7,8-TCDF	ND	1.04		-	0.435				
1,2,3,7,8-PeCDF	ND	2.37		-	0.572				
2,3,4,7,8-PeCDF	ND	2.36		-	0.543				
1,2,3,4,7,8-HxCDF	ND	1.53		-	0.291				
1,2,3,6,7,8-HxCDF	ND	1.46		-	0.265				
2,3,4,6,7,8-HxCDF	ND	1.66		-	0.317				
1,2,3,7,8,9-HxCDF	ND	1.88		-	0.276	Total TCDF	ND	1.04	
1,2,3,4,6,7,8-HpCDF	ND	1.91		-	0.373	Total PeCDF	ND	2.44	
1,2,3,4,7,8,9-HpCDF	ND	2.50		-	0.540	Total HxCDF	ND	1.90	
OCDF	ND	4.10		-	1.01	Total HpCDF	ND	2.50	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	87.5	25.0 - 164	
13C-1,2,3,7,8-PeCDD	86.1	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	84.5	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	89.9	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	74.8	23.0 - 140	
13C-OCDD	66.8	17.0 - 157	
13C-2,3,7,8-TCDF	87.3	24.0 - 169	
13C-1,2,3,7,8-PeCDF	84.9	24.0 - 185	
13C-2,3,4,7,8-PeCDF	82.1	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	80.6	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	84.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	86.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	89.1	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	78.8	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	73.9	26.0 - 138	
13C-OCDF	67.3	17.0 - 157	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	93.4	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
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: DJV
Date: 1/30/2007

Reviewed By: [illegible]
Date: 1/31/07

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EPA Method DLM02.0
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 4284-002-SA
Client ID: IQA1645-04
Matrix: Aqueous
Batch No: X1063

Date Extracted: 01-26-2007
Date Received: 01-19-2007
Amount: 1.011 L

ICal: PCDDFAL3-10-24-06
GC Column: DB5
Units: pg/L

Acquired: 01-29-2007
NATO TEQ: 0.00

Compound	Conc	DL	Qual	NATO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	1.02		-	0.488				
1,2,3,7,8-PeCDD	ND	2.23		-	0.503				
1,2,3,4,7,8-HxCDD	ND	2.29		-	0.681				
1,2,3,6,7,8-HxCDD	ND	3.02		-	0.689	Total TCDD	ND	1.02	
1,2,3,7,8,9-HxCDD	ND	3.19		-	0.793	Total PeCDD	ND	2.23	
1,2,3,4,6,7,8-HpCDD	ND	2.24		-	0.714	Total HxCDD	ND	3.19	
OCDD	ND	4.41		-	2.15	Total HpCDD	ND	2.24	
2,3,7,8-TCDF	ND	1.03		-	0.435				
1,2,3,7,8-PeCDF	ND	2.23		-	0.572				
2,3,4,7,8-PeCDF	ND	2.12		-	0.543				
1,2,3,4,7,8-HxCDF	ND	0.825		-	0.291				
1,2,3,6,7,8-HxCDF	ND	0.742		-	0.285				
2,3,4,6,7,8-HxCDF	ND	0.872		-	0.317				
1,2,3,7,8,9-HxCDF	ND	0.881		-	0.276	Total TCDF	ND	1.03	
1,2,3,4,6,7,8-HpCDF	ND	1.49		-	0.373	Total PeCDF	ND	2.23	
1,2,3,4,7,8,9-HpCDF	ND	1.89		-	0.540	Total HxCDF	ND	0.950	
OCDF	ND	4.08		-	1.01	Total HpCDF	ND	1.89	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	94.2	25.0 - 164	
13C-1,2,3,7,8-PeCDD	90.3	25.0 - 181	
13C-1,2,3,4,7,8-HxCDD	84.3	32.0 - 141	
13C-1,2,3,6,7,8-HxCDD	87.7	28.0 - 130	
13C-1,2,3,4,6,7,8-HpCDD	79.1	23.0 - 140	
13C-OCDD	76.6	17.0 - 157	
13C-2,3,7,8-TCDF	87.0	24.0 - 169	
13C-1,2,3,7,8-PeCDF	86.9	24.0 - 185	
13C-2,3,4,7,8-PeCDF	86.7	21.0 - 178	
13C-1,2,3,4,7,8-HxCDF	82.4	26.0 - 152	
13C-1,2,3,6,7,8-HxCDF	86.8	26.0 - 123	
13C-2,3,4,6,7,8-HxCDF	86.6	28.0 - 136	
13C-1,2,3,7,8,9-HxCDF	98.9	29.0 - 147	
13C-1,2,3,4,6,7,8-HpCDF	81.0	28.0 - 143	
13C-1,2,3,4,7,8,9-HpCDF	79.7	26.0 - 138	
13C-OCDF	76.7	17.0 - 157	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	101	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
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: DN

Date: 1/30/2007

Reviewed By: [illegible]

Date: 1/31/07

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TestAmerica
ANALYTICAL TESTING CORPORATION

4284
0°

SUBCONTRACT ORDER - PROJECT # IQA1645

SENDING LABORATORY:	RECEIVING LABORATORY:
TestAmerica - Irvine, CA 17461 Derian Avenue, Suite 100 Irvine, CA 92614 Phone: (949) 261-1022 Fax: (949) 260-3297 Project Manager: Patty Mata	Frontier Analytical Lab - SUB 5172 Hillsdale Circle El Dorado Hills, CA 95762 Phone :(916) 934-0900 Fax: (916) 934-0999

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IQA1645-03 Water	**Sampled: 01/17/07 11:20**	
8290/1613-Dioxin-HR	01/24/07 11:20	Sub Frontier Analytical. Need DLM020 method
Containers Supplied:		
1 L Amber (IQA1645-03N)		
Sample ID: IQA1645-04 Water	**Sampled: 01/17/07 13:00**	
8290/1613-Dioxin-HR	01/24/07 13:00	Sub Frontier Analytical. Need DLM020 method
Containers Supplied:		
1 L Amber (IQA1645-04N)		

SAMPLE INTEGRITY:

All containers intact:	☐ Yes ☐ No	Sample labels/COC agree:	☐ Yes ☐ No	Samples Received On Ice:	☐ Yes ☐ No
Custody Seals Present:	☐ Yes ☐ No	Samples Preserved Properly:	☐ Yes ☐ No	Samples Received at (temp):	_____

Released By	Date	Time	Received By	Date	Time
[signature]	1/18/07		[signature]	1/19/07	0955

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IQA1645

SENDING LABORATORY:
TestAmerica - Irvine, CA
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Maza

RECEIVING LABORATORY:
Frontier Analytical Lab - SUB
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone :(916) 934-0900
Fax: (916) 934-0999

Revised 1/22/07

Work Order Comments: Need method DLM020-Dioxins/Furans, Geotracker EDF, ERPIMS EDD. ✓

Standard TAT is requested unless specific due date is requested => Due Date:_____ **Initials:**_____

Analysis	Expiration	Field Pts:	Comments
Sample ID: IQA1645-03 Water Sampled: 01/17/07 11:20		SW-5	
8290/1613-Dioxin-HR	01/24/07 11:20		Sub Frontier Analytical. Need DLM020 method
EDF	02/14/07 11:20		Global=SL603798629
Containers Supplied:			
1 L Amber (IQA1645-03N)			
Sample ID: IQA1645-04 Water Sampled: 01/17/07 13:00		SW-3	
8290/1613-Dioxin-HR	01/24/07 13:00		Sub Frontier Analytical. Need DLM020 method
Containers Supplied:			
1 L Amber (IQA1645-04N)			

1/22/07

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No
Sample labels/COC agree: ☐ Yes ☐ No
Samples Preserved Properly: ☐ Yes ☐ No
Samples Received On Ice: ☐ Yes ☐ No
Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
Released By	Date	Time	Received By	Date	Time

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **4284**

Client:	TestAmerica - Irvine, CA
Client Project ID:	IQA1645
Date Received:	01/19/2007
Time Received:	09:55 am
Received By:	NM
Logged In By:	NM
# of Samples Received:	2
Duplicates:	0
Storage Location:	R1

Method of Delivery:	California Overnight
Tracking Number:	791213053562
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	Yes
Thiosulfate Added	No
Earliest Sample Hold Time Expiration	01/28/2007
Adequate Sample Volume	Yes
Anomalies or additional comments:	

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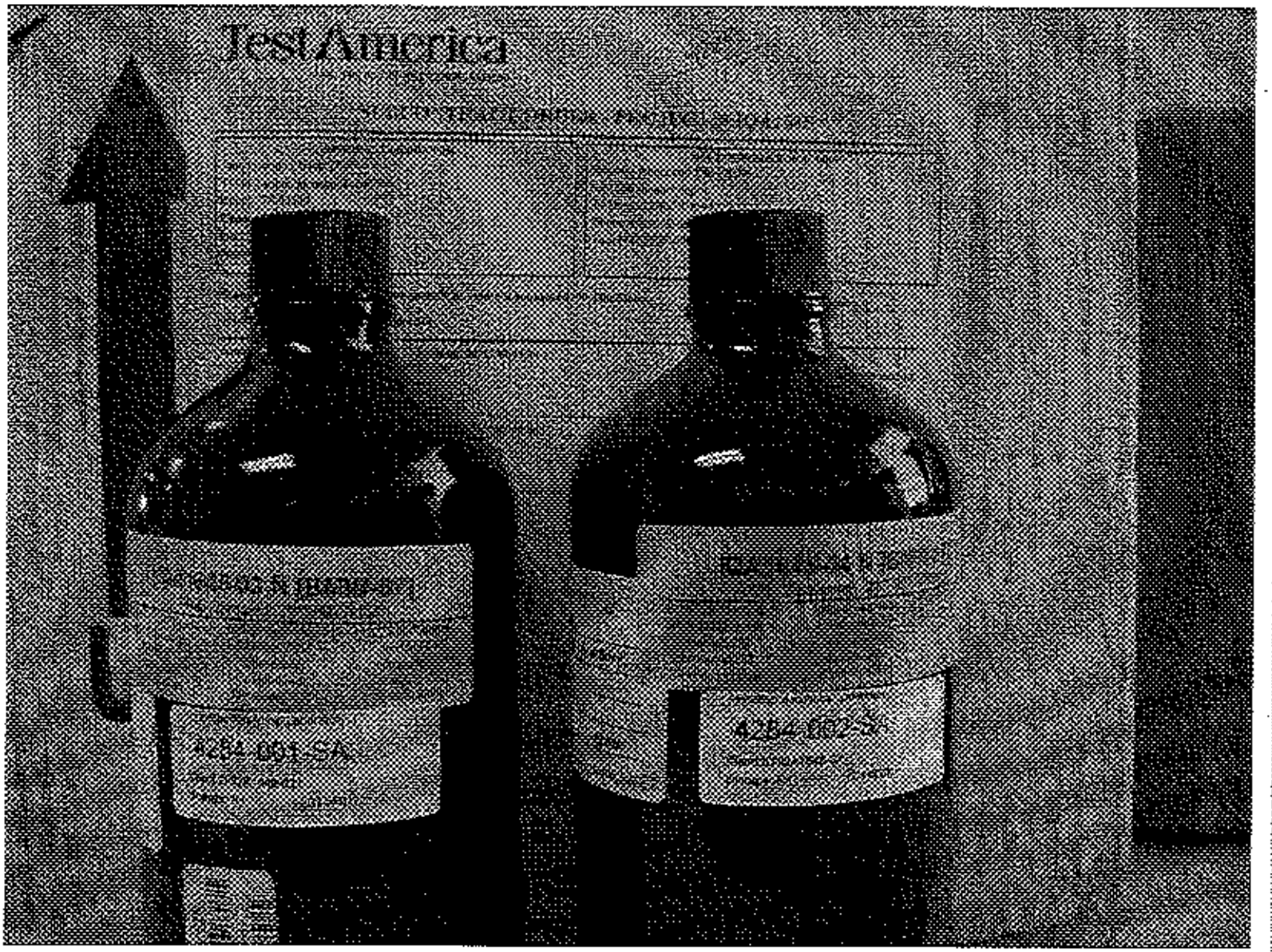

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CDD/CDF COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Frontier Analytical Laboratory
CITY/STATE El Dorado Hills, California
CASE NO. _____ SDG NO. _____ SDG NOS. TO FOLLOW _____ _____ _____
TASK ORDER NO. _____
CONTRACT NO. _____
SOW NO. _____

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK EPA
1. Inventory Sheet (DC-2) (Do not number)				
2. SDG Narrative	1	10		
3. Traffic Report	NA	NA		
4. CDD/CDF Data				
a. Sample Data				
Sample Data Summary (FORM I-HR CDD-1)	11	12		
Toxicity Equivalence Summary (FORM I-HR CDD-2)	13	14		
Second Column confirmation Summary (FORM I-HR CDD-3)	NA	NA		
Selected Ion Current Profile (SICP) for each sample	15	37		
Quantitation Reports and Area Summaries	38	40		
Total Homologue Concentration Summary (FORM II-HR CDD)	41	42		
b. Quality Control Data				
Lab Control Sample Summary (FORM III-HR CDD-1)	43	43		
Lab Control Sample Duplicate Summary (FORM III-HR CDD-2)	NA	NA		
Method Blank Summary (FORM IV-HR CDD)	44	44		
Window Defining Mix Summary (FORM V-HR CDD-1)	45	46		
Chromatographic Resolution Summary (FORM V-HR CDD-2)	47	48		
Analytical Sequence Summary (FORM V-HR CDD-3)	49	49		
c. Calibration Data				
Initial Calibration Data (FORM VI-HR CDD-1 and FORM VI-HR CDD-2), PFK mass resolution, CDD/CDF standard(s) SICPs, Quantitation Reports, and Area Summaries for the initial (five-point) calibration	50	136		
Continuing Calibration Data (FORM VII-HR CDD-1 and FORM VII-HR CDD-2), PFK mass resolution, SICPs, Quantitation Reports, and Area Summaries	137	176		
d. Raw Quality Control Data				
Blank Data FORM I-HR CDD-1, CDD-2, CDD-3 (if applicable)	177	179		
Blank Data including SICPs, Quantitation Reports, and Area Summaries for each blank analyzed	180	191		
LCS FORM I-HR CDD-1 and CDD-2	192	192		

DLM02.0 (5/95)

	PAGE NOs. FROM	TO	CHECK LAB	EPA
LCS Data including SICPs, Quantitation Reports, and Area Summaries	193	204		
5. Miscellaneous Data				
Original preparation and analysis forms or copies of preparation and analysis logbook pages	205	208		
Internal sample and sample extract transfer Chain of Custody Records	209	209		
Screening records	NA	NA		
All instrument output, including strip charts from screening activities (describe or list)	NA	NA		
6. EPA Shipping/Receiving Documents				
Airbills (No. of shipments 1)	210	210		
Chain of Custody Records	211	212		
Sample Tags	NA	NA		
Sample Log-In Sheet (Lab & DC-1)	213	213		
Traffic Report Cover Sheet	NA	NA		
Miscellaneous Shipping/Receiving Records (describe or list)	NA	NA		
7. Internal Lab Sample Transfer Records and Tracking Sheets (Describe or list)	NA	NA		
8. Other Records (describe or list) Telephone Communication Log	NA	NA		

9. Comments:

Completed by:

(CLP Lab) [signature] (Signature) Brad Severance Director of Operations (Print Name & Title) 2/5/07 (Date)

Audited by:

(USEPA) (Signature) (Print Name & Title) (Date)

1DFA - FORM I-HR CDD-1
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

SAMPLE No.
IQA1645-03

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-001-0001-SA
SAMPLE wt/vol: 1004 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 4
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0.10 DATE ANALYZED: 29-JAN-07
GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	NotFnd	*	*	U	1.02
2,3,7,8-TCDF	304/306	NotFnd	*	*	U	1.04
1,2,3,7,8-PeCDF	340/342	NotFnd	*	*	U	2.37
1,2,3,7,8-PeCDD	356/358	NotFnd	*	*	U	2.75
2,3,4,7,8-PeCDF	340/342	NotFnd	*	*	U	2.36
1,2,3,4,7,8-HxCDF	374/376	NotFnd	*	*	U	1.53
1,2,3,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.46
1,2,3,4,7,8-HxCDD	390/392	NotFnd	*	*	U	2.32
1,2,3,6,7,8-HxCDD	390/392	NotFnd	*	*	U	3.04
1,2,3,7,8,9-HxCDD	390/392	NotFnd	*	*	U	3.39
2,3,4,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.66
1,2,3,7,8,9-HxCDF	374/376	NotFnd	*	*	U	1.88
1,2,3,4,6,7,8-HpCDF	408/410	NotFnd	*	*	U	1.91
1,2,3,4,6,7,8-HpCDD	424/426	44:10	1.19	9.36	J	*
1,2,3,4,7,8,9-HpCDF	408/410	NotFnd	*	*	U	2.50
OCDD	458/460	49:41	0.90	63.1		*
OCDF	442/444	NotFnd	*	*	U	4.10

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:23	0.79	0.65-0.89	87.5	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:11	1.56	1.32-1.78	86.1	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:31	1.30	1.05-1.43	84.5	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:41	1.22	1.05-1.43	89.9	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:07	1.07	0.88-1.20	74.8	23-140
13C-OCDD	470/472	49:38	0.89	0.76-1.02	66.8	17-157
13C-2,3,7,8-TCDF	316/318	26:39	0.78	0.65-0.89	87.3	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:28	1.62	1.32-1.78	84.9	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:46	1.63	1.32-1.78	82.1	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:09	0.53	0.43-0.59	80.6	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:20	0.52	0.43-0.59	84.8	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:43	0.52	0.43-0.59	89.1	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:17	0.51	0.43-0.59	86.6	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:14	0.43	0.37-0.51	78.8	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:02	0.43	0.37-0.51	73.9	26-138
13C-OCDF	454/456	50:00	0.88	0.76-1.02	67.3	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:24	NA	NA	93.4	35-197

Column to be used to flag values outside (QC) limits.

ANALYST: DIJ DATE: 4/30/07

IDFA - FORM I-HR CDD-1 SAMPLE No.
CDD/CDF SAMPLE DATA SUMMARY IQA1645-04
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-002-0001-SA
SAMPLE wt/vol: 1011 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 5
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07
GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	NotFnd	*	*	U	1.02
2,3,7,8-TCDF	304/306	NotFnd	*	*	U	1.03
1,2,3,7,8-PeCDF	340/342	NotFnd	*	*	U	2.23
1,2,3,7,8-PeCDD	356/358	NotFnd	*	*	U	2.23
2,3,4,7,8-PeCDF	340/342	NotFnd	*	*	U	2.12
1,2,3,4,7,8-HxCDF	374/376	NotFnd	*	*	U	0.825
1,2,3,6,7,8-HxCDF	374/376	NotFnd	*	*	U	0.742
1,2,3,4,7,8-HxCDD	390/392	NotFnd	*	*	U	2.29
1,2,3,6,7,8-HxCDD	390/392	NotFnd	*	*	U	3.02
1,2,3,7,8,9-HxCDD	390/392	NotFnd	*	*	U	3.19
2,3,4,6,7,8-HxCDF	374/376	NotFnd	*	*	U	0.872
1,2,3,7,8,9-HxCDF	374/376	NotFnd	*	*	U	0.881
1,2,3,4,6,7,8-HpCDF	408/410	NotFnd	*	*	U	1.49
1,2,3,4,6,7,8-HpCDD	424/426	NotFnd	*	*	U	2.24
1,2,3,4,7,8,9-HpCDF	408/410	NotFnd	*	*	U	1.89
OCDD	458/460	NotFnd	*	*	U	4.41
OCDF	442/444	NotFnd	*	*	U	4.08

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:22	0.80	0.65-0.89	94.2	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:10	1.58	1.32-1.78	90.3	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:31	1.21	1.05-1.43	84.3	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:41	1.32	1.05-1.43	87.7	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:07	1.08	0.88-1.20	79.1	23-140
13C-OCDD	470/472	49:38	0.89	0.76-1.02	76.6	17-157
13C-2,3,7,8-TCDF	316/318	26:38	0.79	0.65-0.89	87.0	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:27	1.63	1.32-1.78	86.9	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:46	1.63	1.32-1.78	86.7	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:08	0.51	0.43-0.59	82.4	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:20	0.52	0.43-0.59	86.8	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:43	0.51	0.43-0.59	98.9	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:17	0.51	0.43-0.59	86.6	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:14	0.46	0.37-0.51	81.0	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:02	0.45	0.37-0.51	79.7	26-138
13C-OCDF	454/456	50:00	0.89	0.76-1.02	76.7	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:23	NA	NA	101	35-197

Column to be used to flag values outside (QC) limits.

ANALYST: DRJ DATE: 4/30/07

1DFB - FORM I-HR CDD-2
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

SAMPLE No.
IQA1645-03

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-001-0001-SA

SAMPLE wt/vol: 1004 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 4

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0.10 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	CONCENTRATION	TEF*		TEF-ADJUSTED CONCENTRATION
2,3,7,8-TCDD	*	x 1.0	=	*
2,3,7,8-TCDF	*	x 0.1	=	*
1,2,3,7,8-PeCDF	*	x 0.05	=	*
1,2,3,7,8-PeCDD	*	x 0.5	=	*
2,3,4,7,8-PeCDF	*	x 0.5	=	*
1,2,3,4,7,8-HxCDF	*	x 0.1	=	*
1,2,3,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,4,7,8-HxCDD	*	x 0.1	=	*
1,2,3,6,7,8-HxCDD	*	x 0.1	=	*
1,2,3,7,8,9-HxCDD	*	x 0.1	=	*
2,3,4,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,7,8,9-HxCDF	*	x 0.1	=	*
1,2,3,4,6,7,8-HpCDF	*	x 0.01	=	*
1,2,3,4,6,7,8-HpCDD	9.36	x 0.01	=	0.0936
1,2,3,4,7,8,9-HpCDF	*	x 0.01	=	*
OCDD	63.1	x 0.001	=	0.0631
OCDF	*	x 0.001	=	*
		Total	=	0.157

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

ANALYST: DEV DATE: 1/30/07

1DFB - FORM I-HR CDD-2
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

SAMPLE No.
IRA1645-04

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-002-0001-SA

SAMPLE wt/vol: 1011 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 5

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	CONCENTRATION	TEF*		TEF-ADJUSTED CONCENTRATION
2,3,7,8-TCDD	*	x 1.0	=	*
2,3,7,8-TCDF	*	x 0.1	=	*
1,2,3,7,8-PeCDF	*	x 0.05	=	*
1,2,3,7,8-PeCDD	*	x 0.5	=	*
2,3,4,7,8-PeCDF	*	x 0.5	=	*
1,2,3,4,7,8-HxCDF	*	x 0.1	=	*
1,2,3,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,4,7,8-HxCDD	*	x 0.1	=	*
1,2,3,6,7,8-HxCDD	*	x 0.1	=	*
1,2,3,7,8,9-HxCDD	*	x 0.1	=	*
2,3,4,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,7,8,9-HxCDF	*	x 0.1	=	*
1,2,3,4,6,7,8-HpCDF	*	x 0.01	=	*
1,2,3,4,6,7,8-HpCDD	*	x 0.01	=	*
1,2,3,4,7,8,9-HpCDF	*	x 0.01	=	*
OCDD	*	x 0.001	=	*
OCDF	*	x 0.001	=	*
		Total	=	0.00

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

ANALYST: DN DATE: 1/30/07

File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 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
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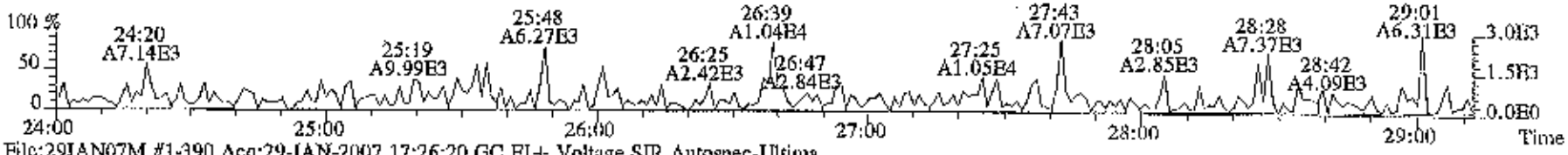

File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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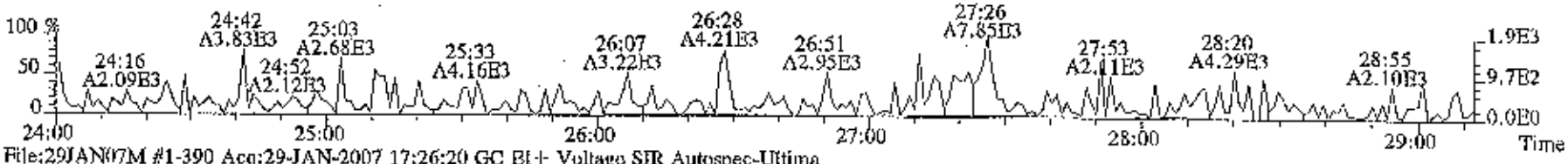
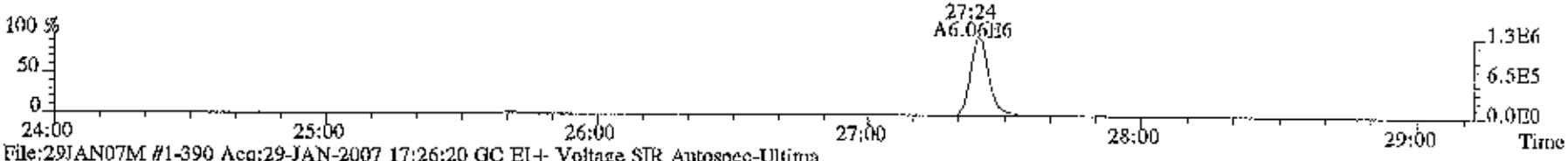
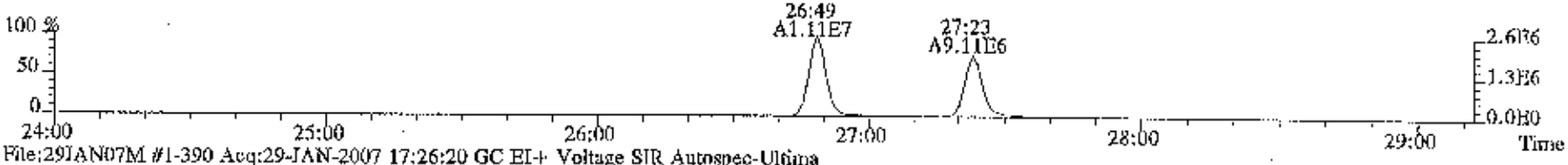


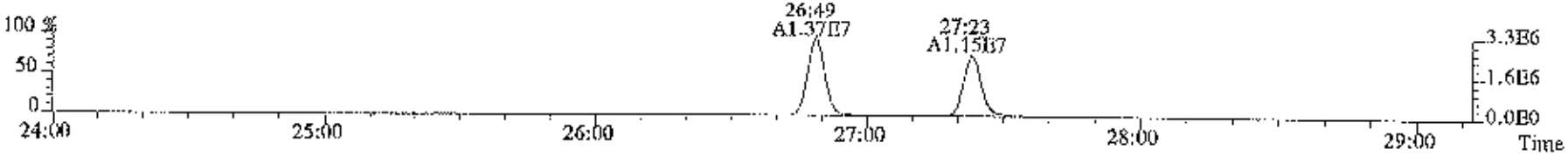
File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



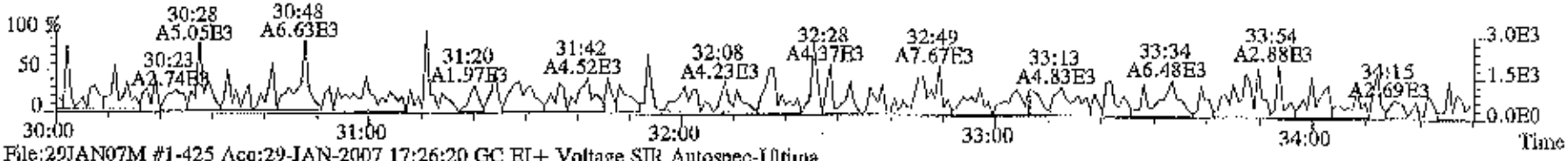
File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



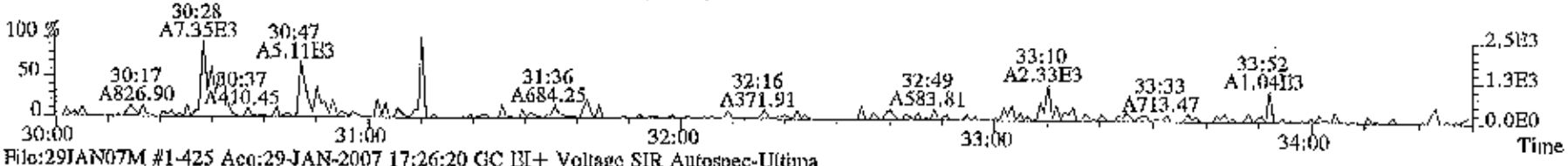
File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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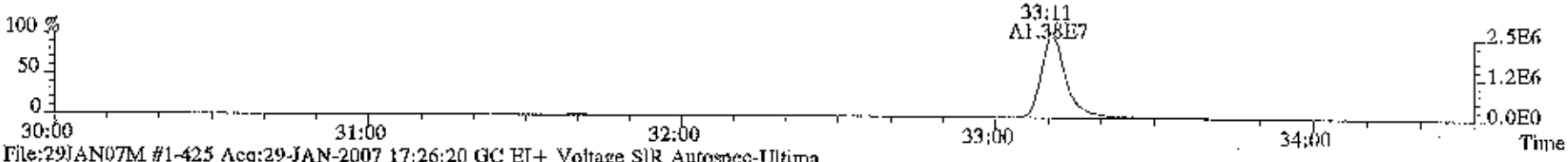
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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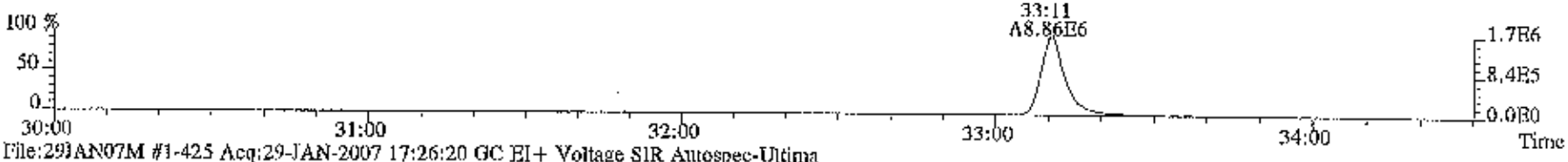
369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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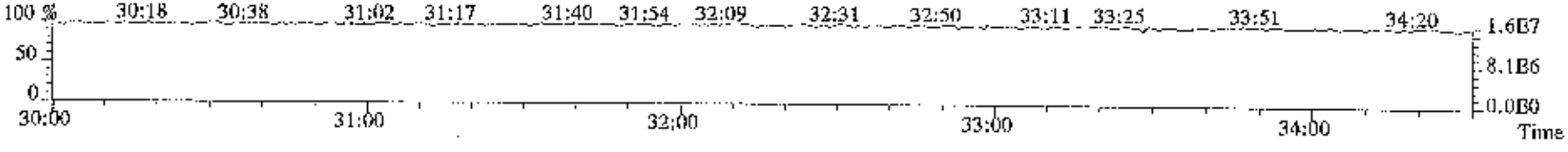
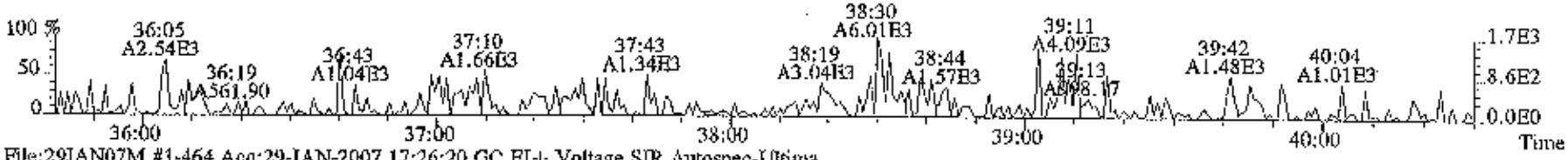
366.9792 S:4 F:2 Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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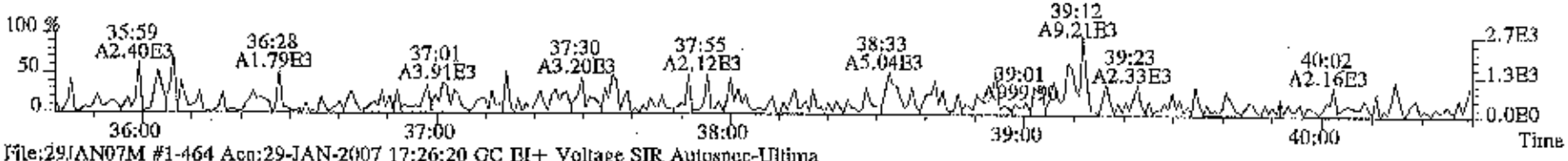
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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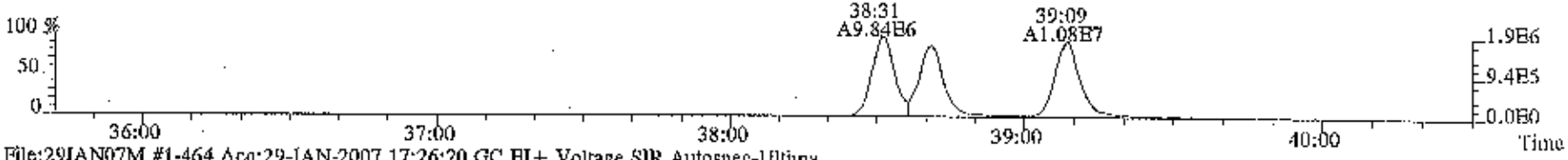
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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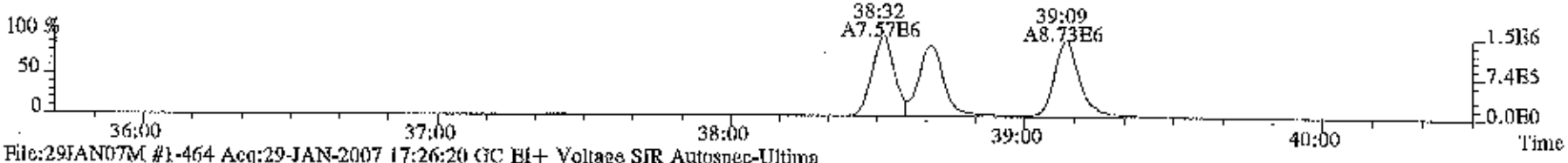
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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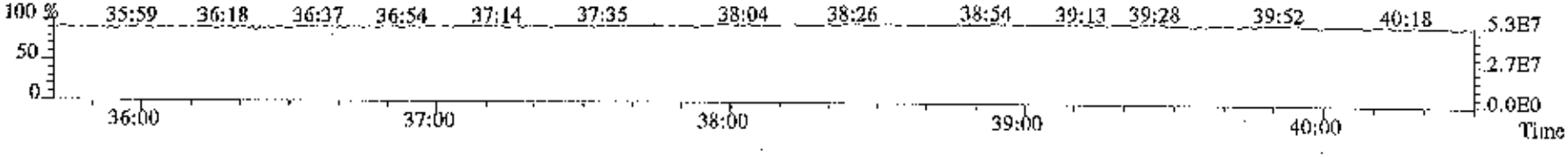
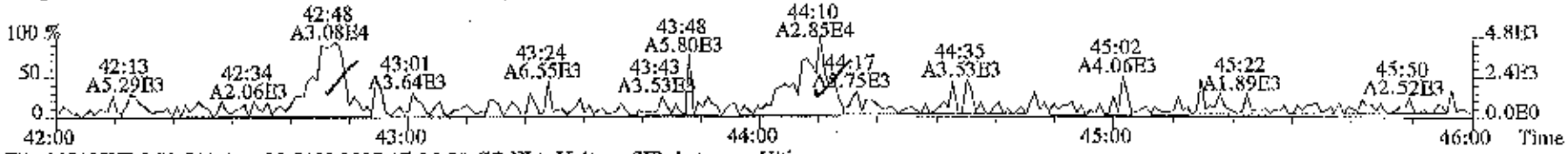
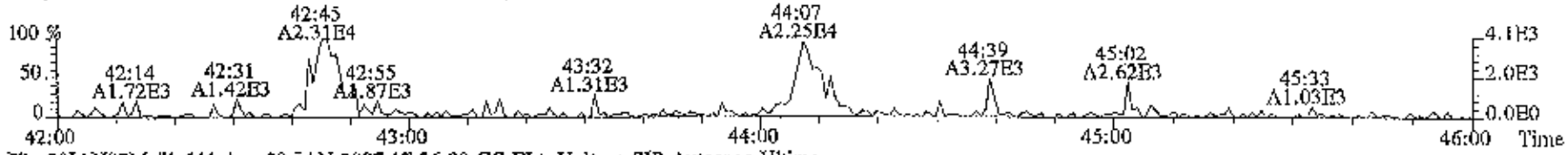
380.9760 S:4 F:3 Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



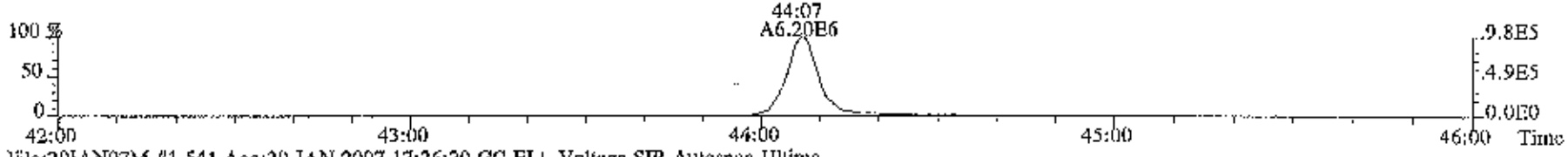
File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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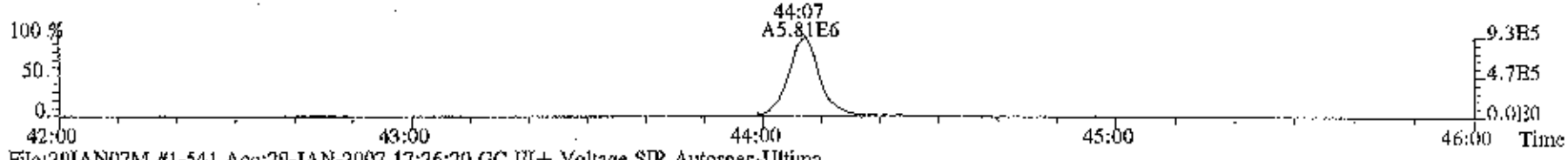
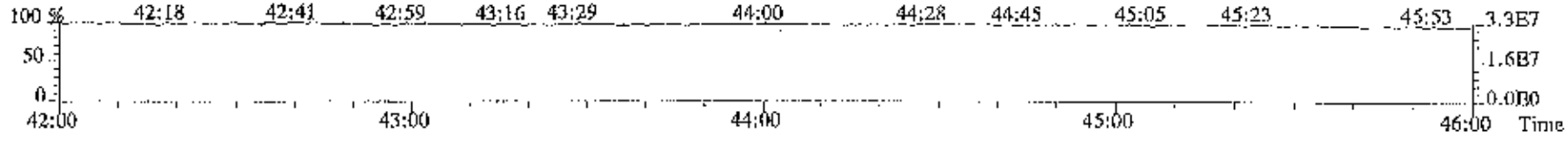
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:4 F:4 Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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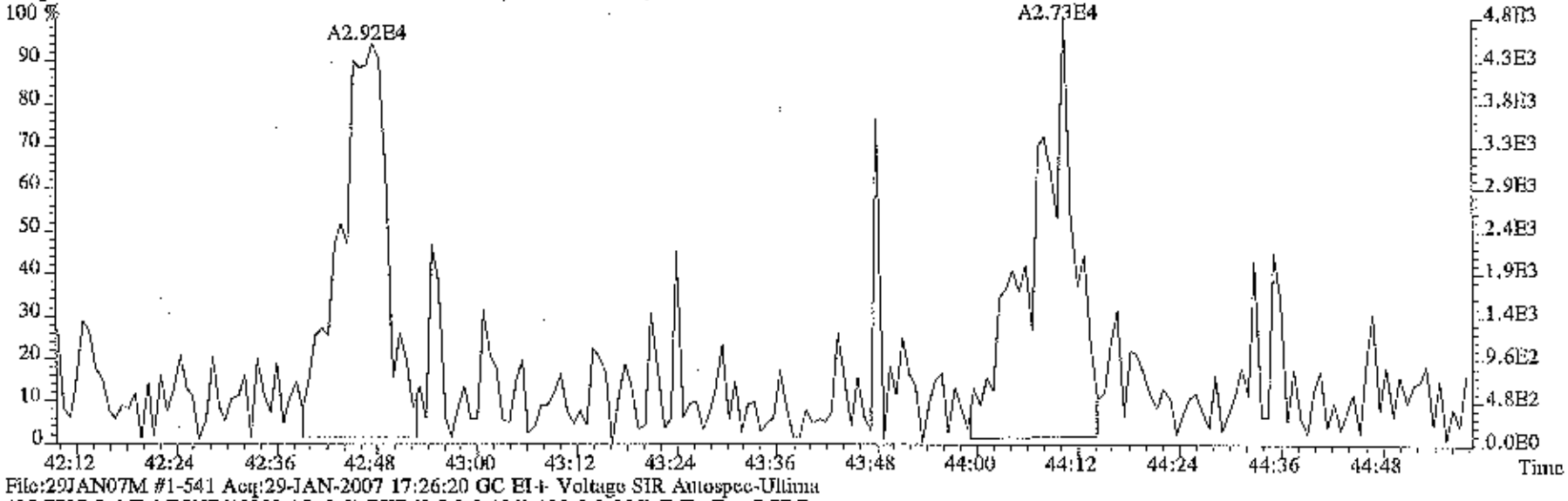

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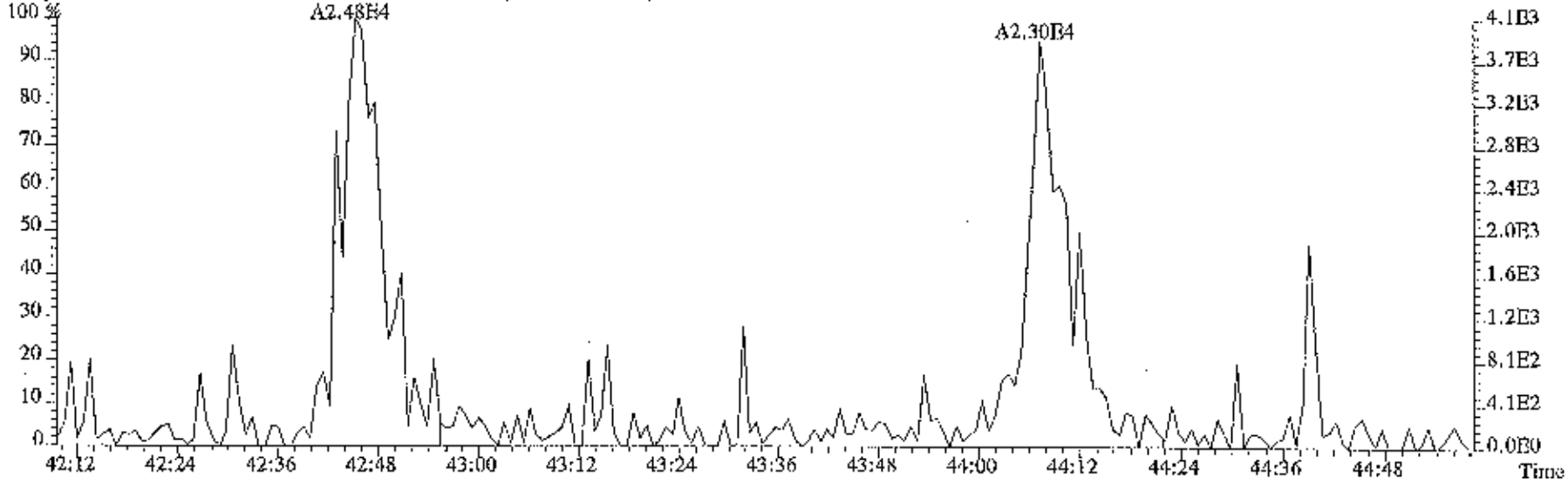
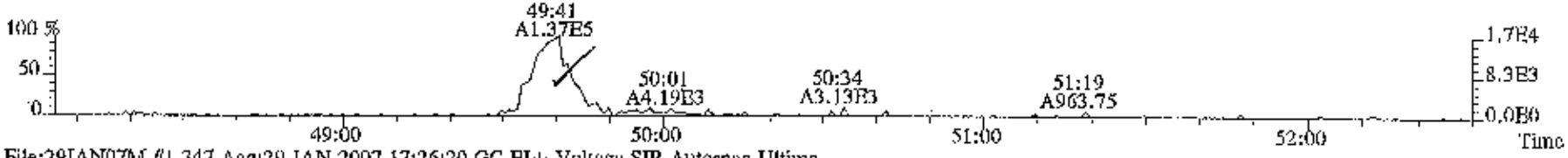
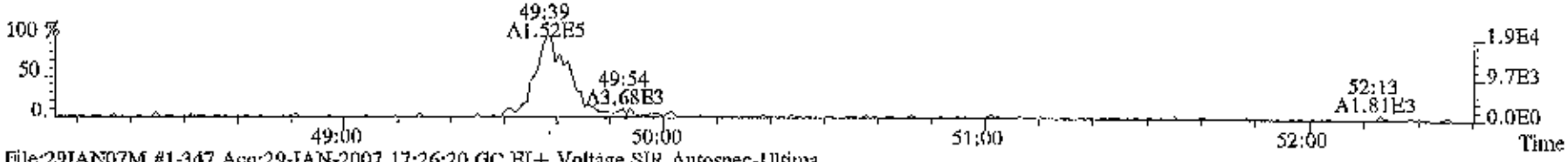
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory



File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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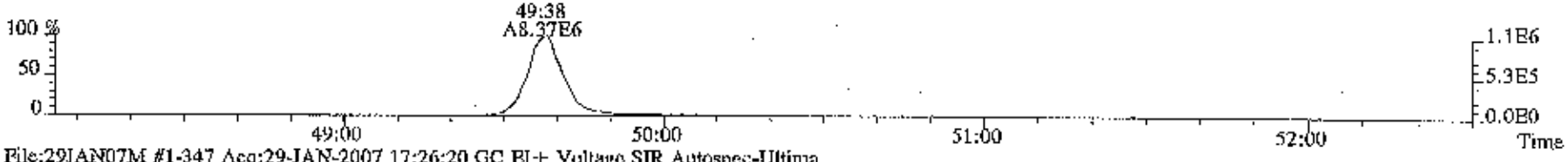
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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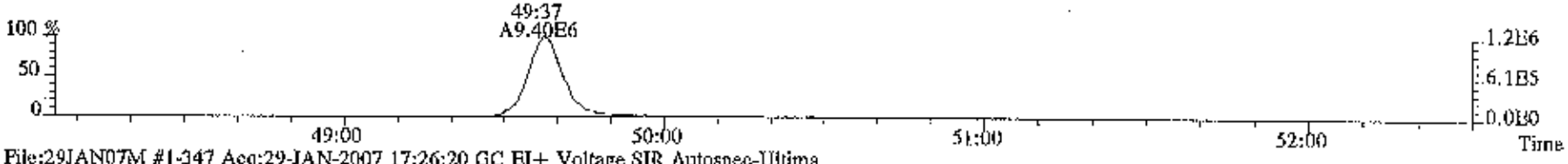
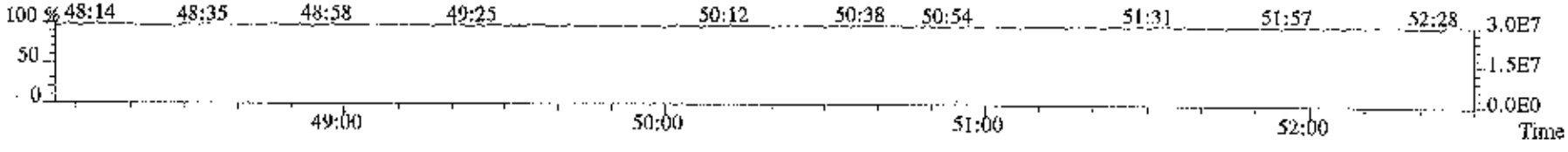
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:4 F:5 Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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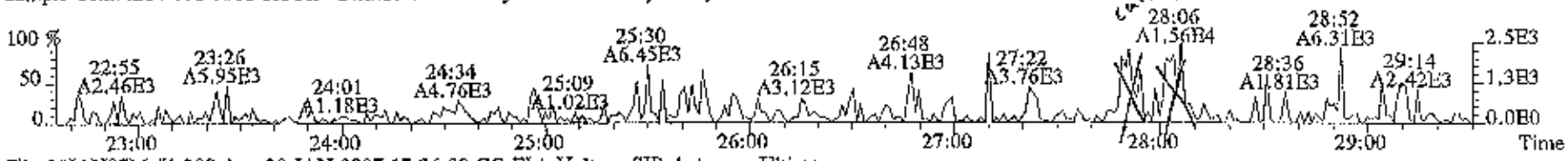

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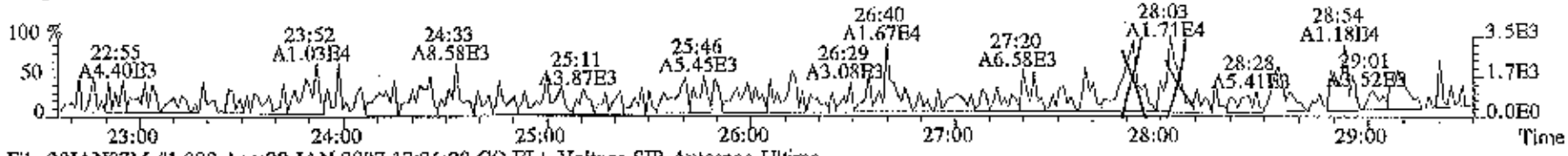
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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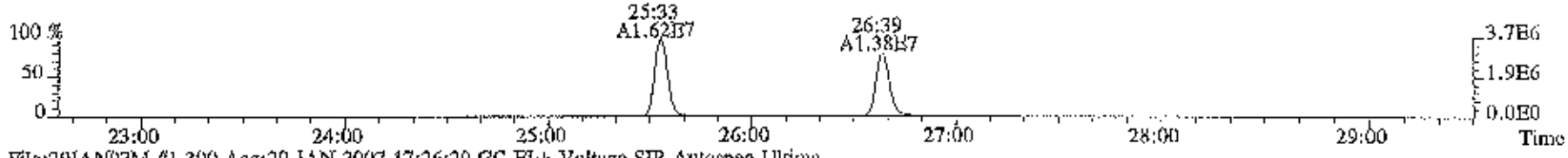
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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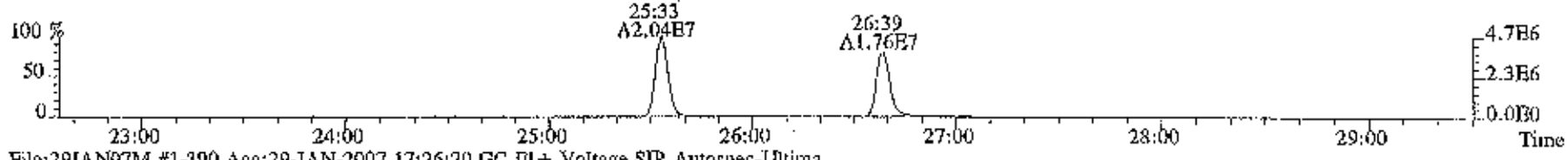
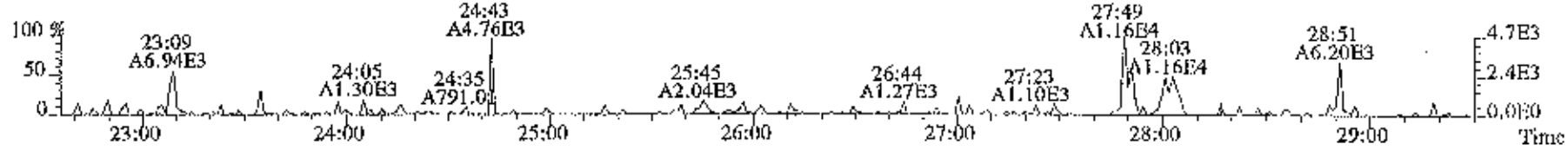
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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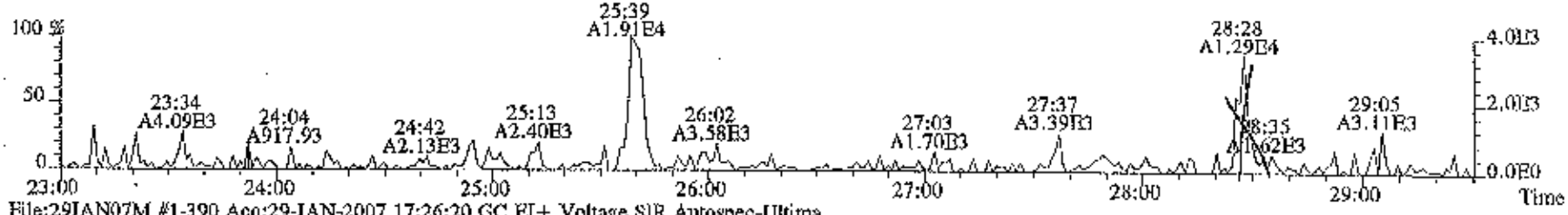
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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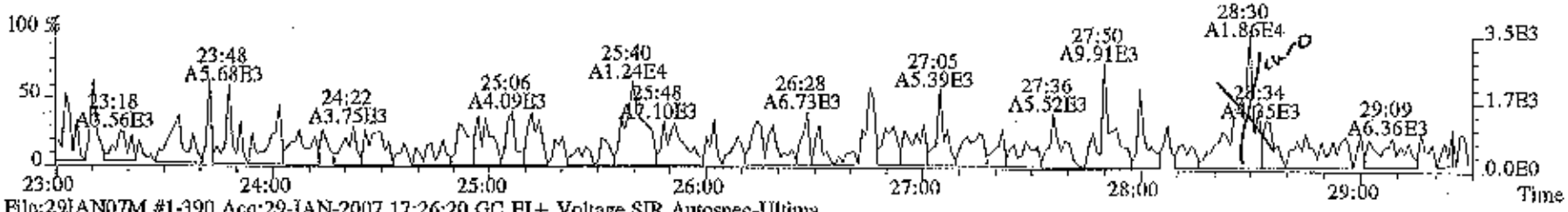
341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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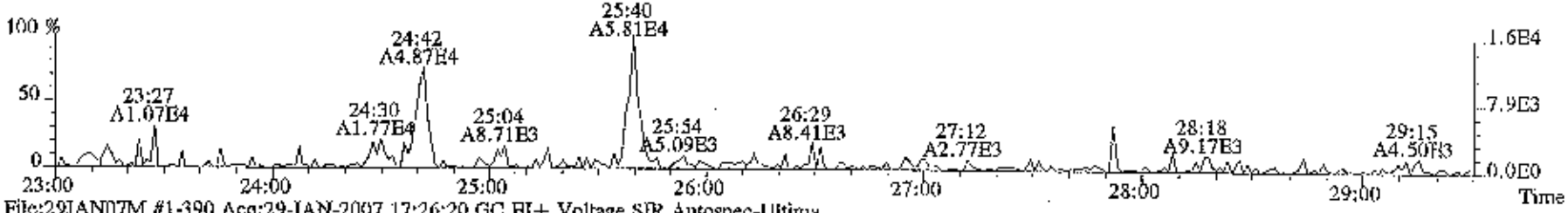
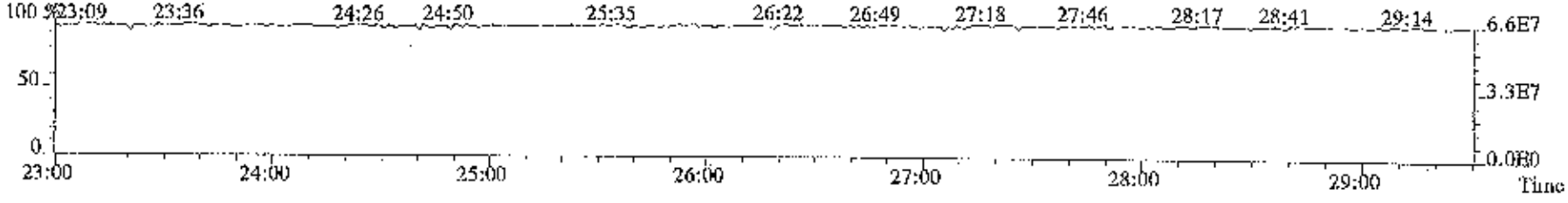
409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:4 Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
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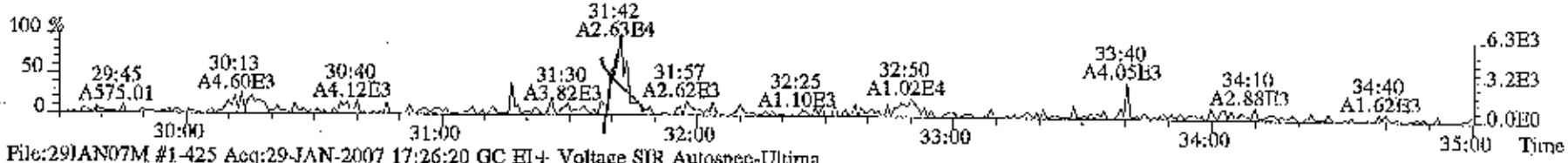

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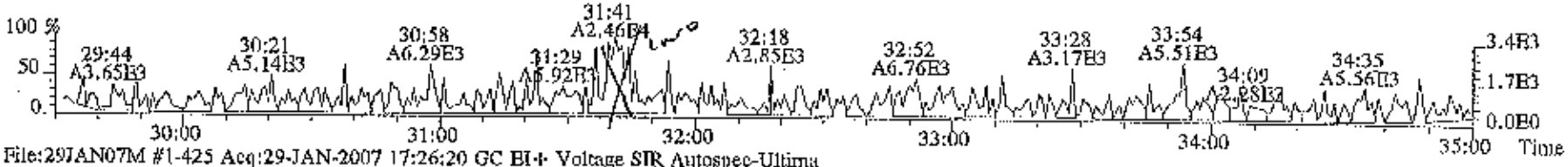
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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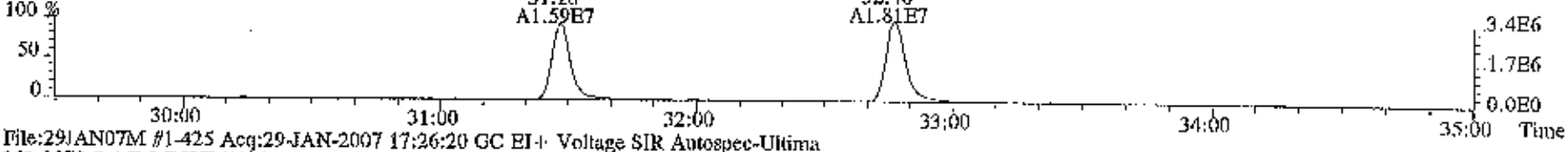
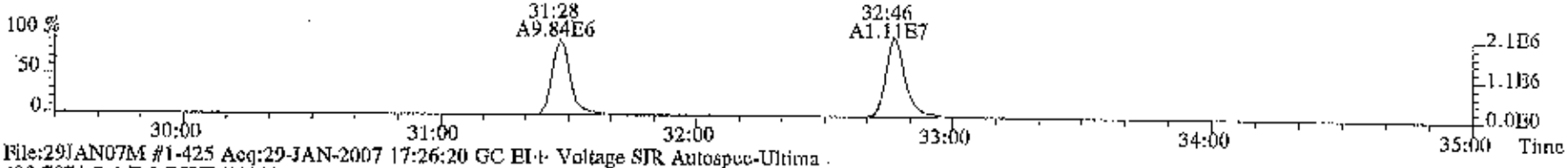
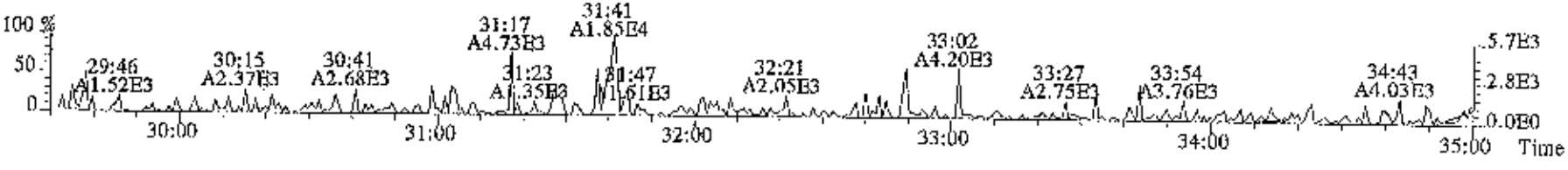
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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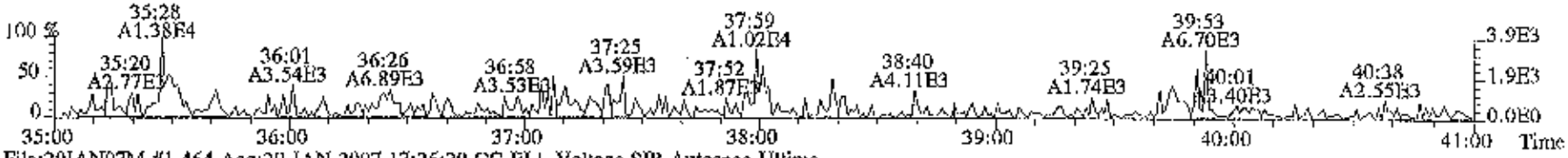
373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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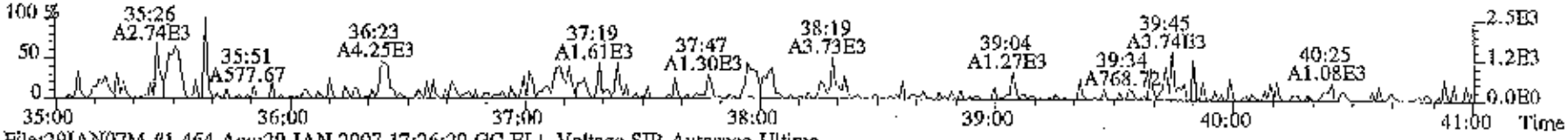
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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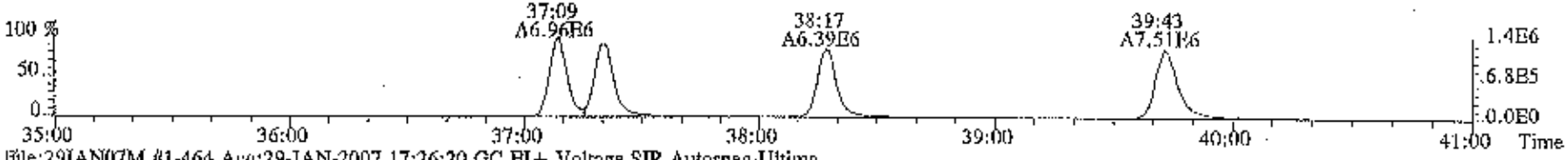
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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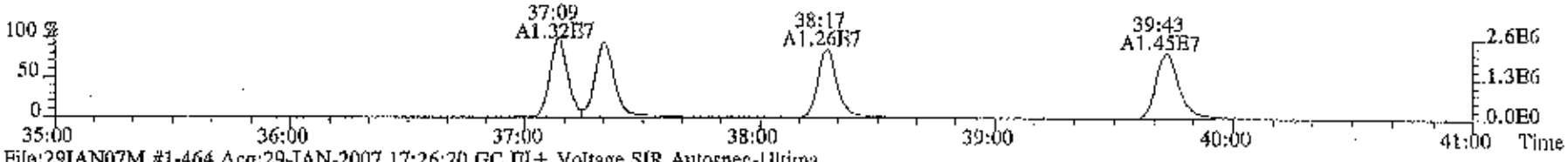
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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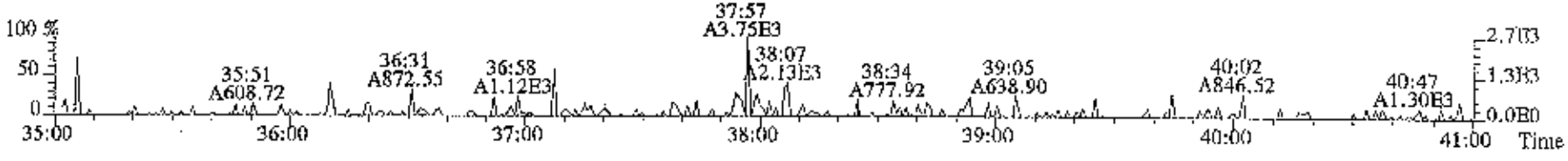
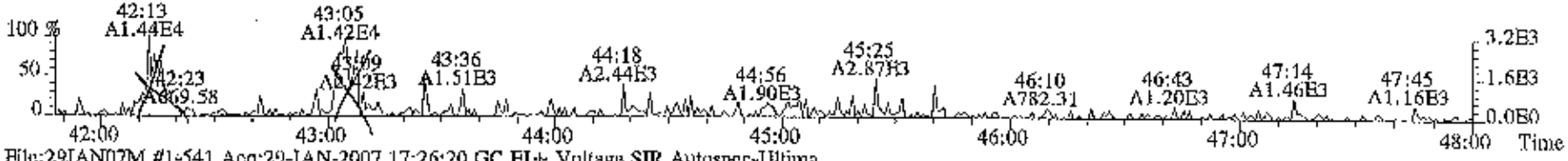
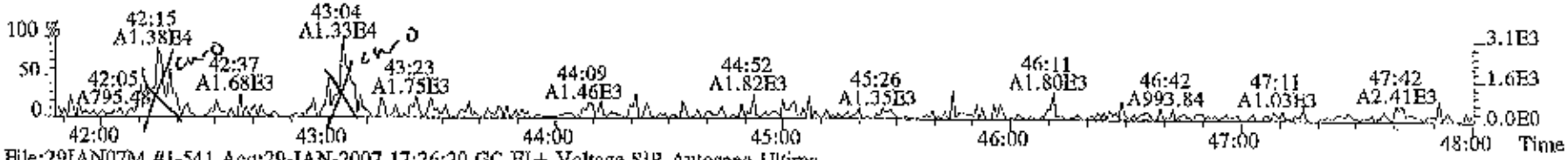
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



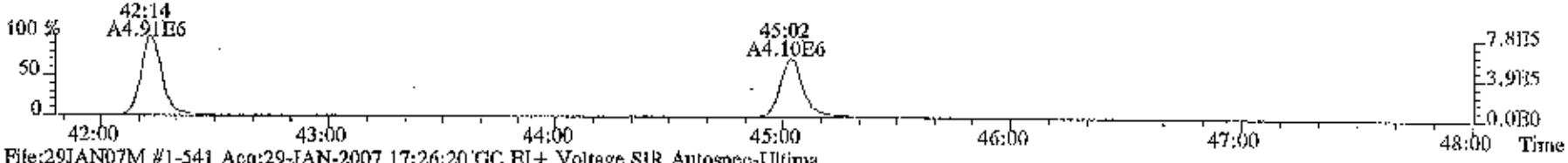
File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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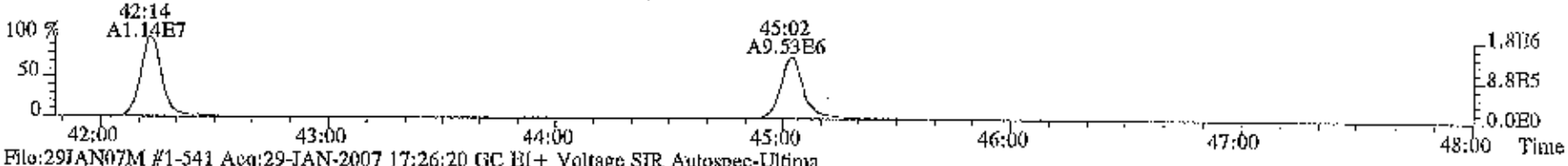
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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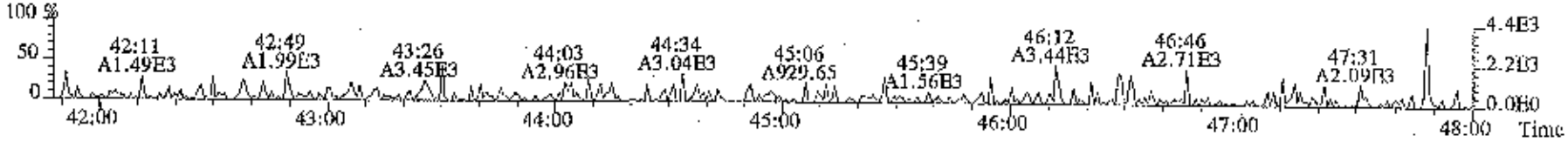
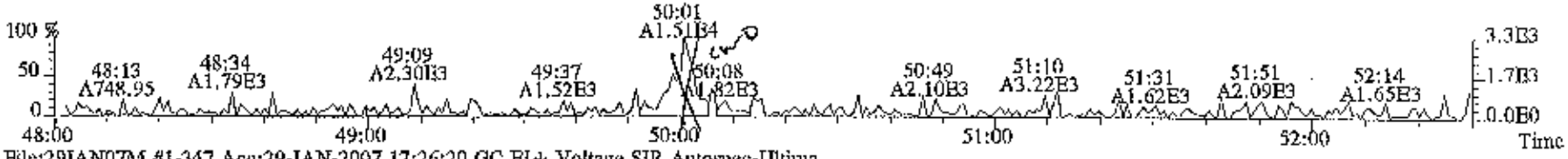
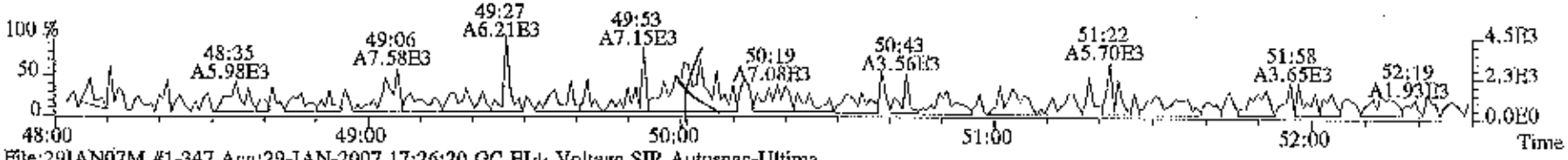
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



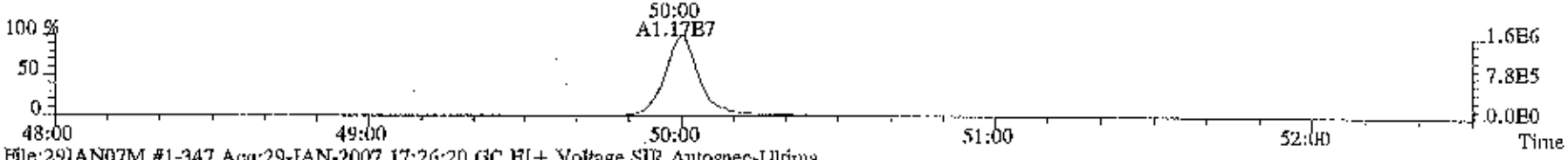
File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 17:26:20 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:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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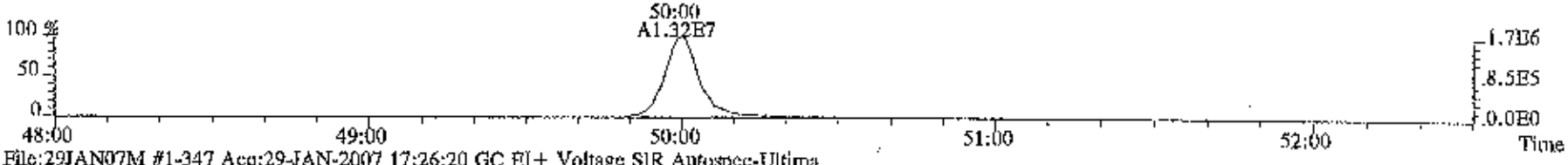
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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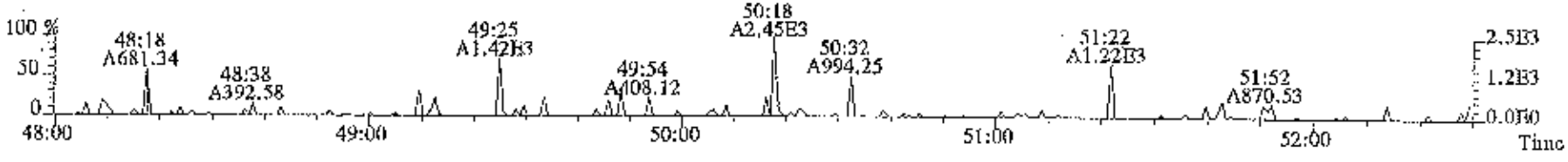
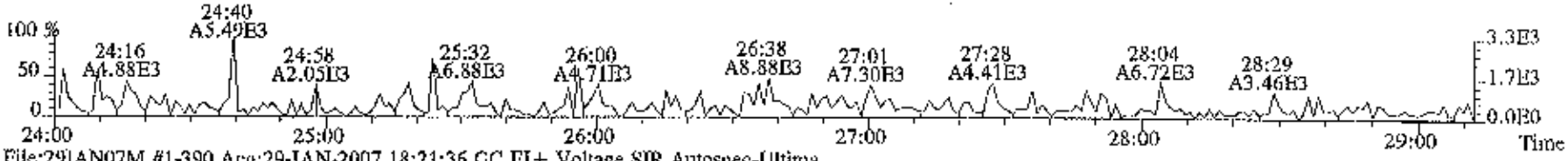
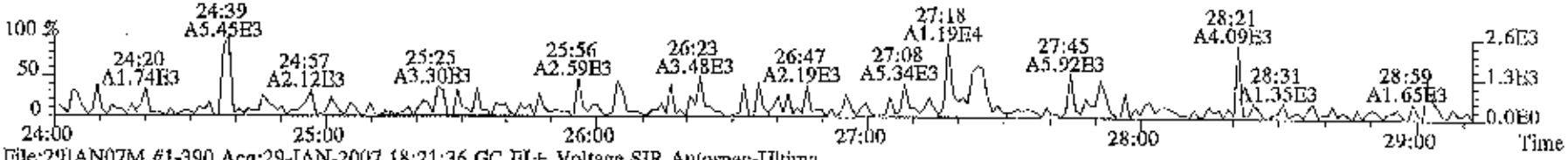
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-001-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



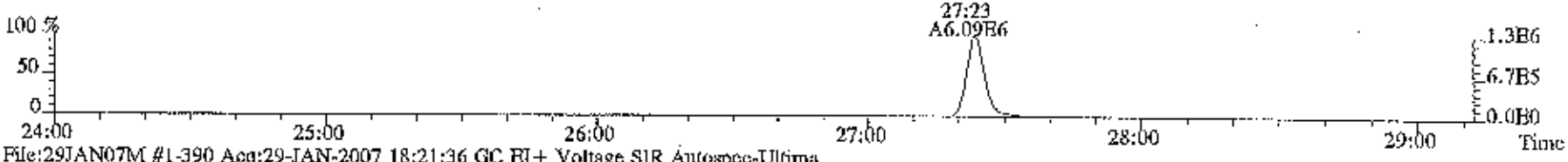
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



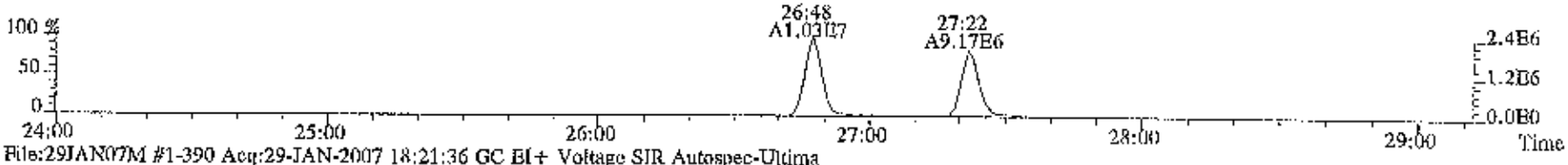
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



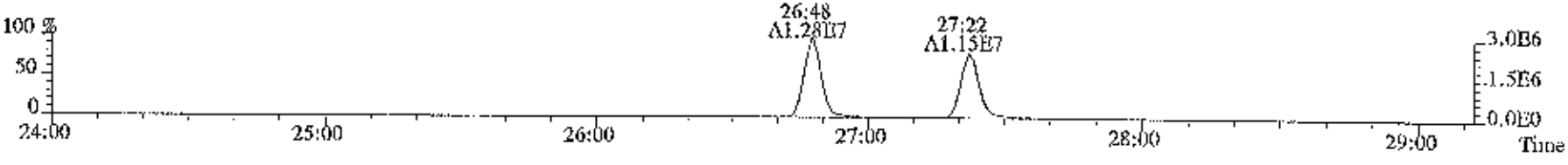
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



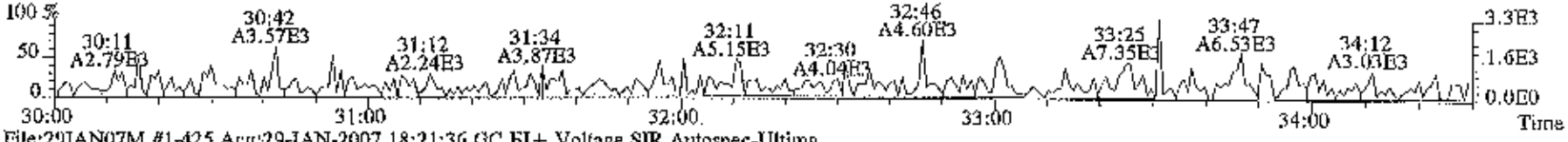
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



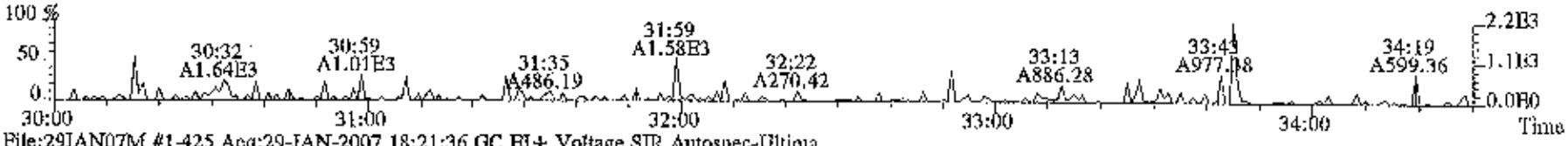
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



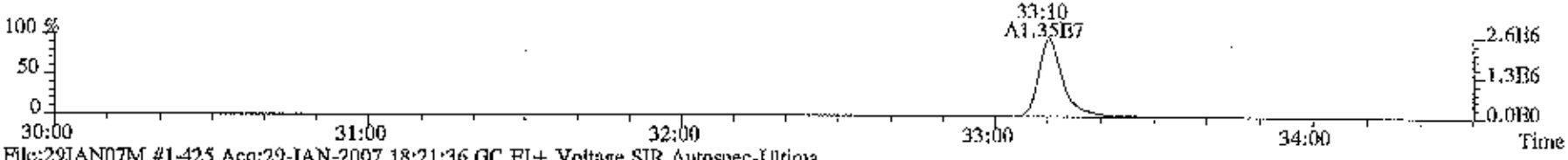
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



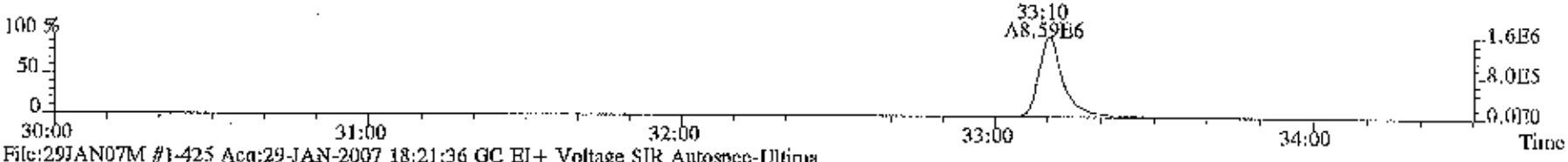
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



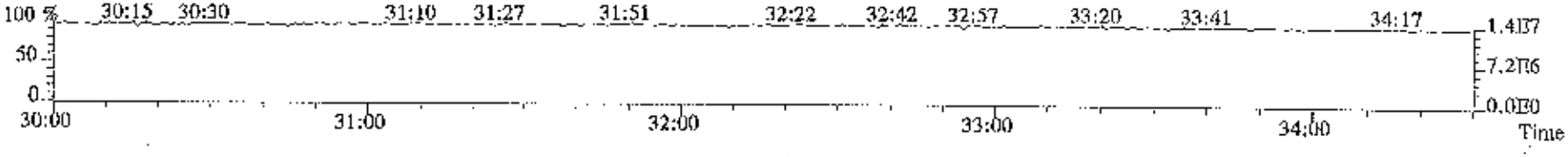
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



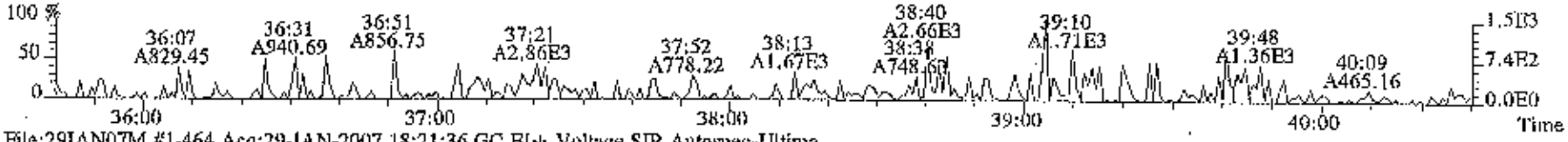
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



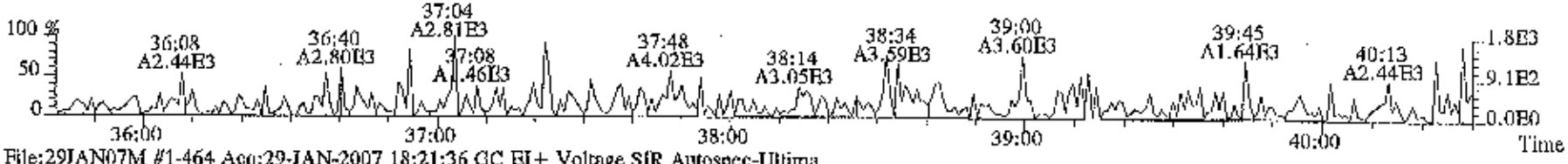
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



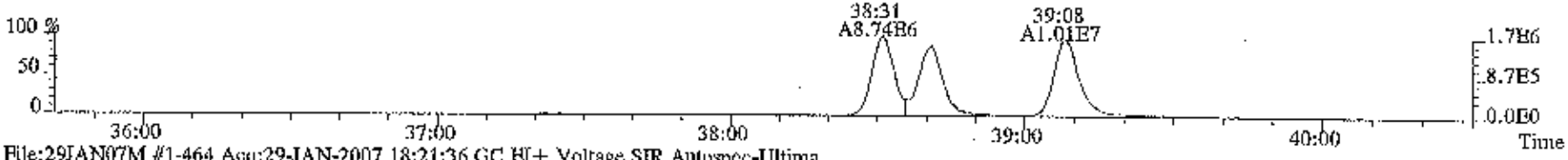
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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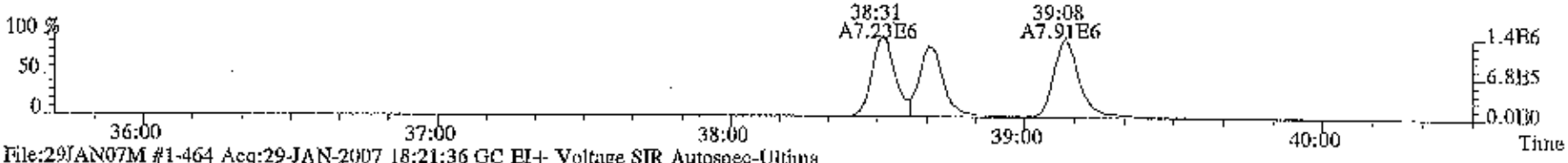
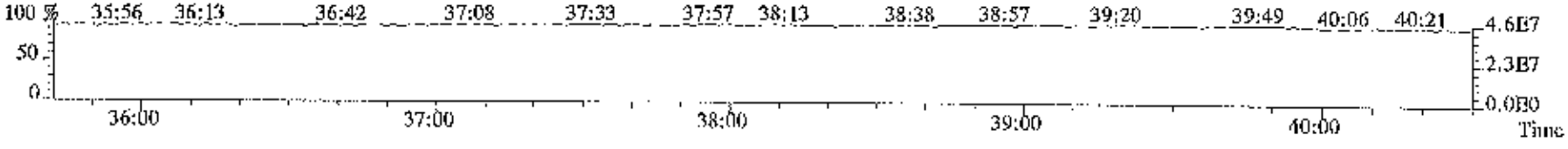
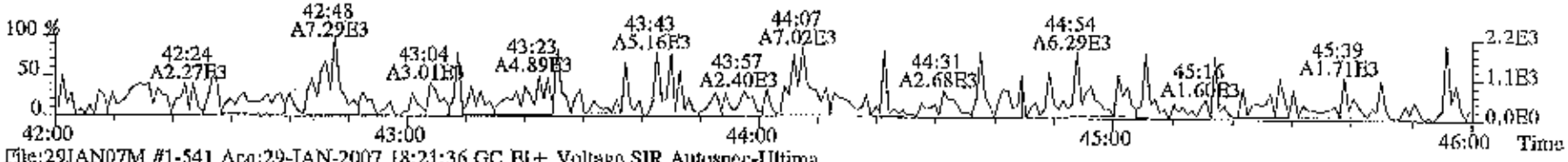
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



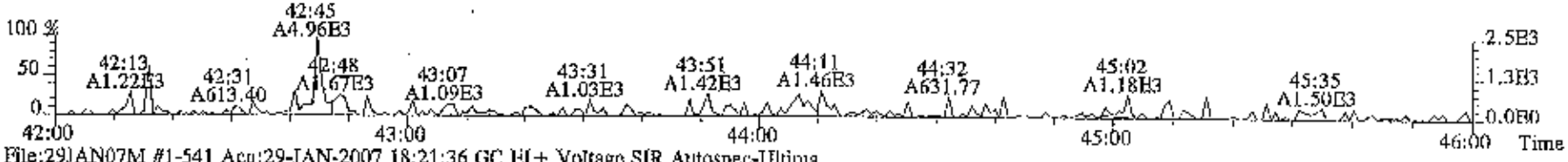
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:5 F:3 Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



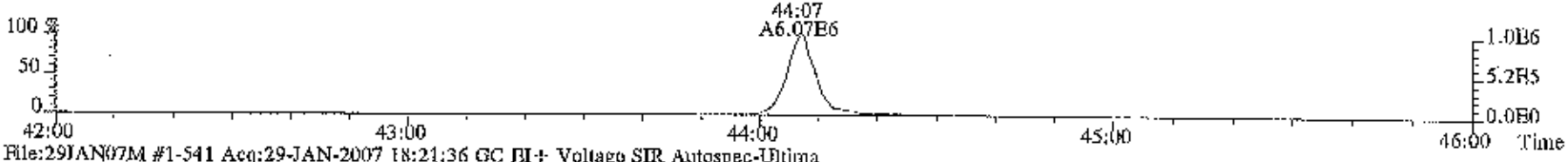
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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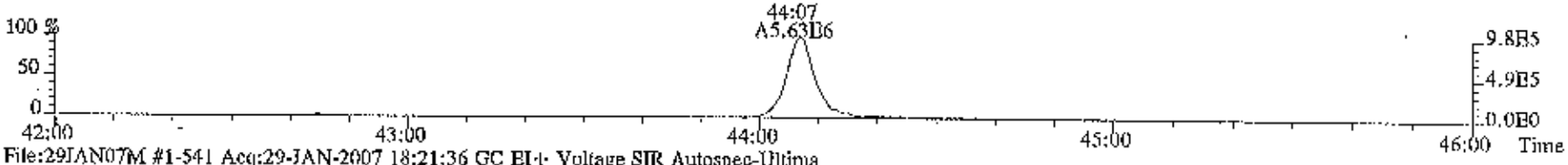
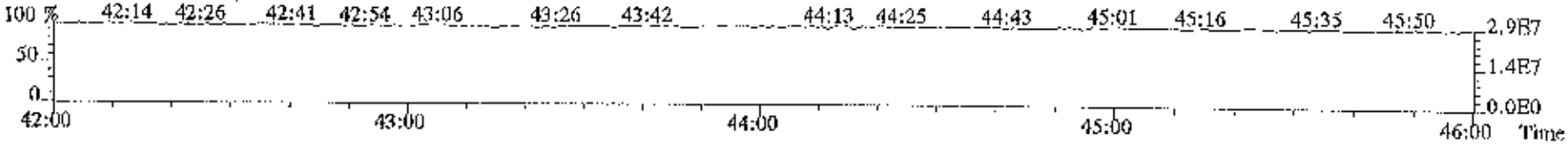
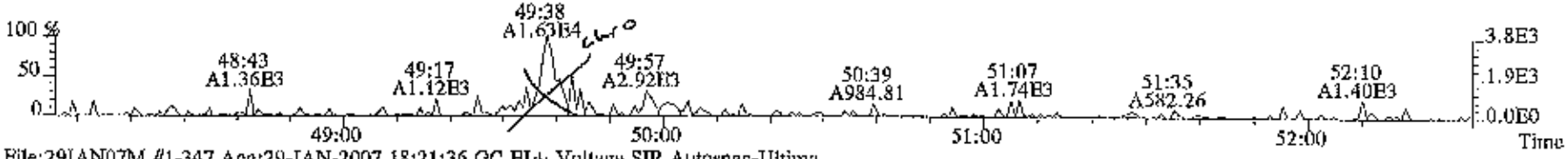
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



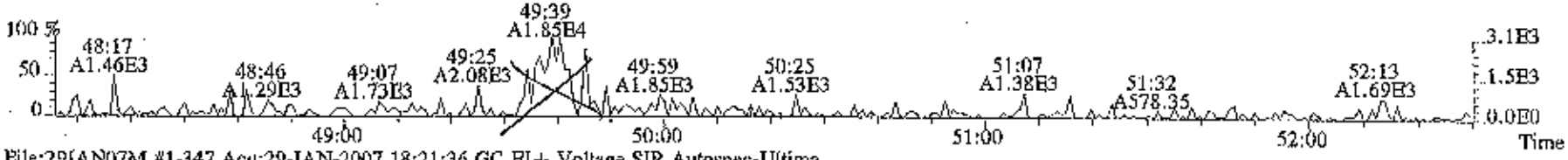
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



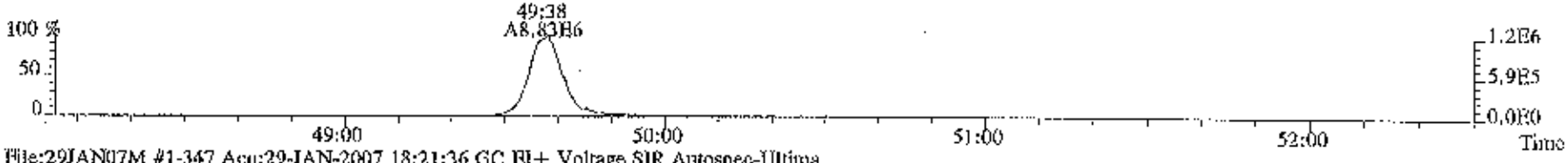
File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



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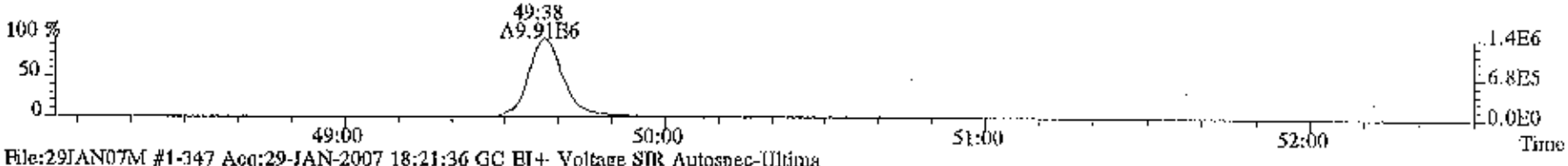
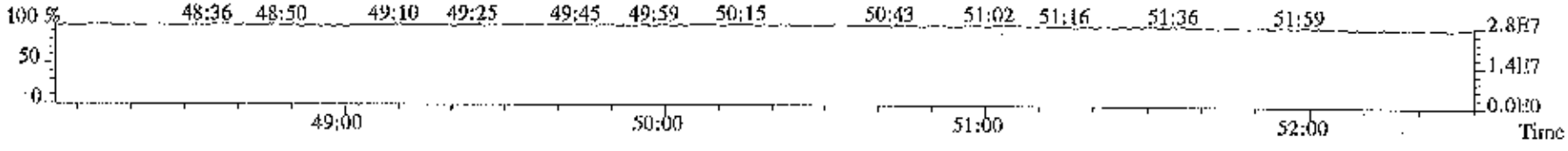
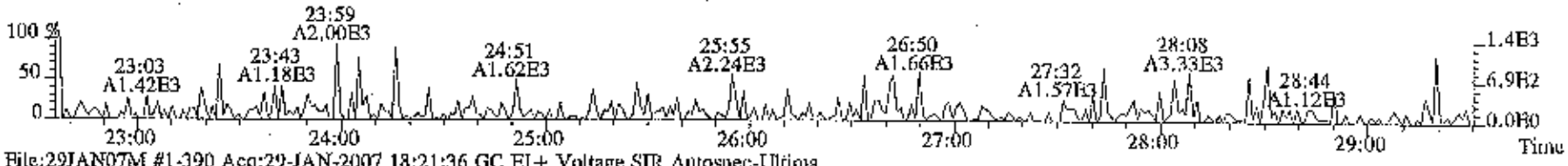
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



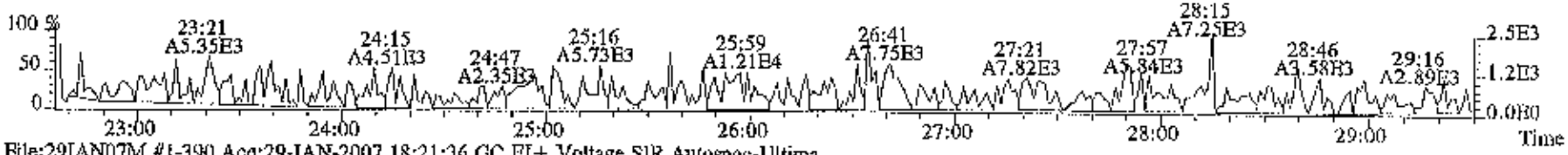
File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



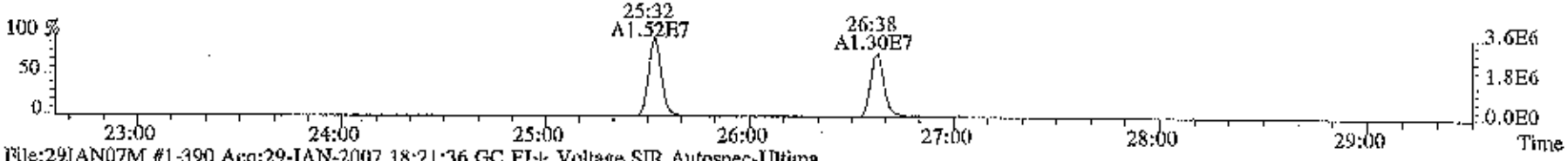
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



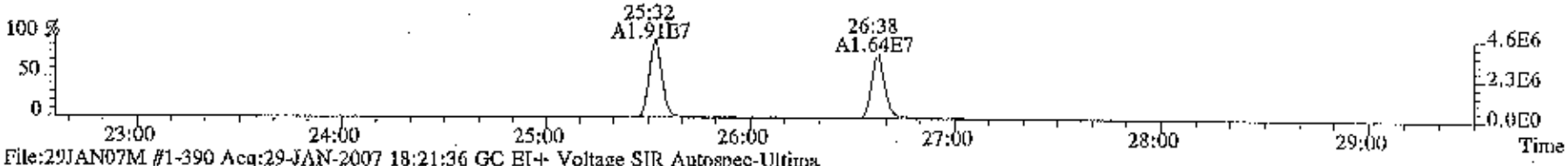
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



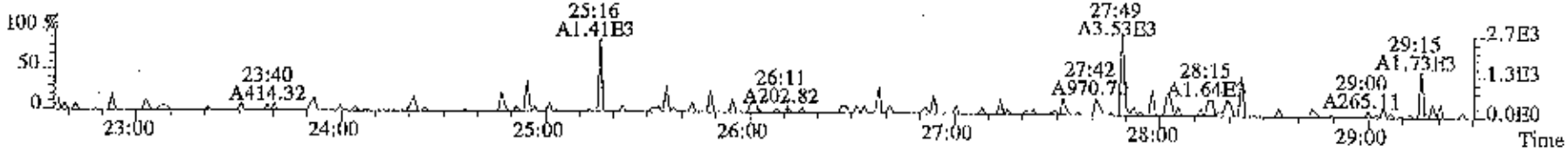
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



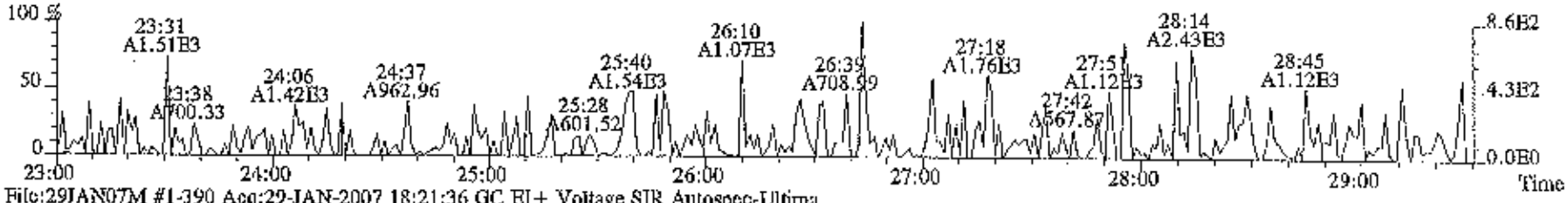
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



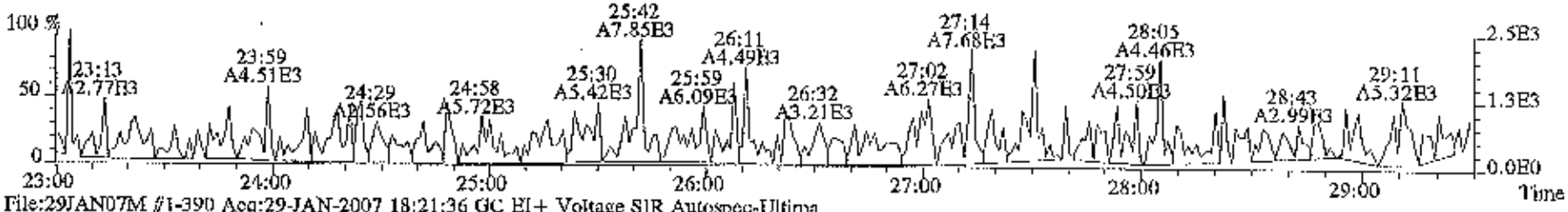
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



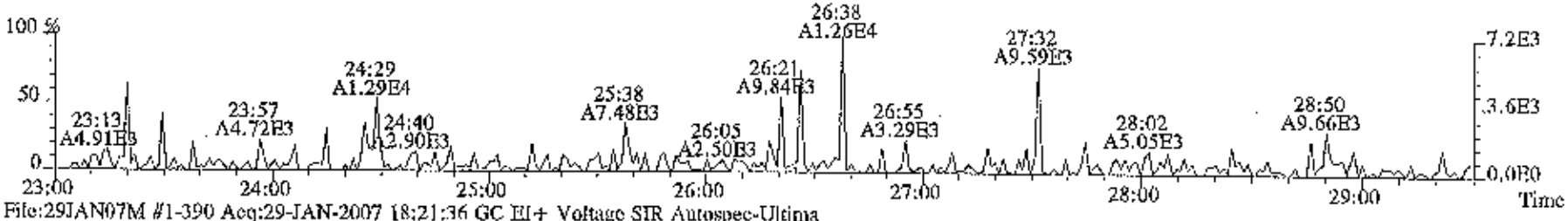
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



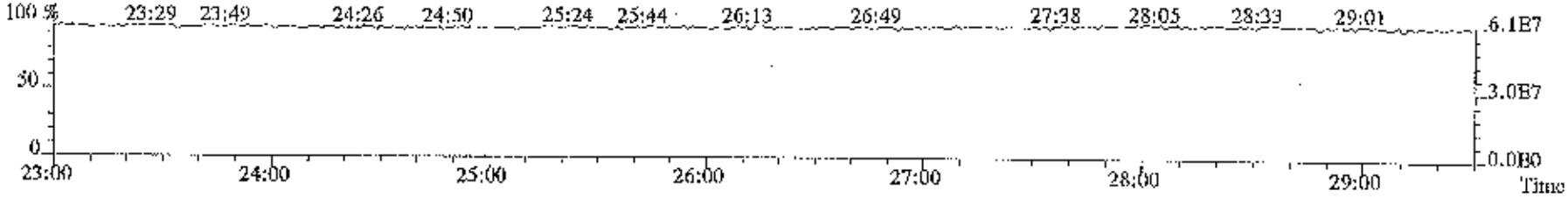
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



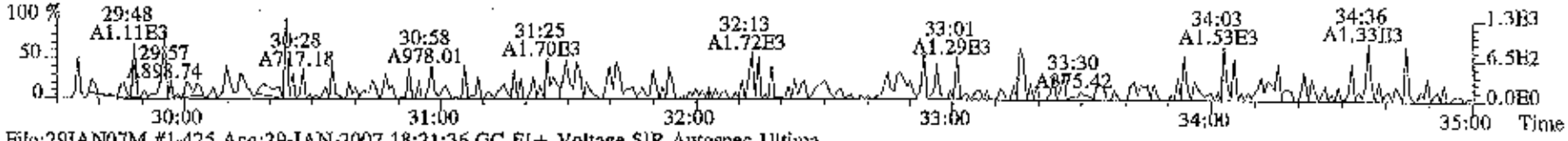
File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:5 Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV

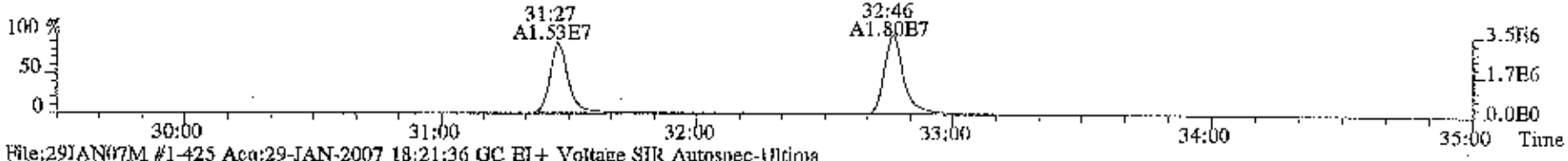


File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV

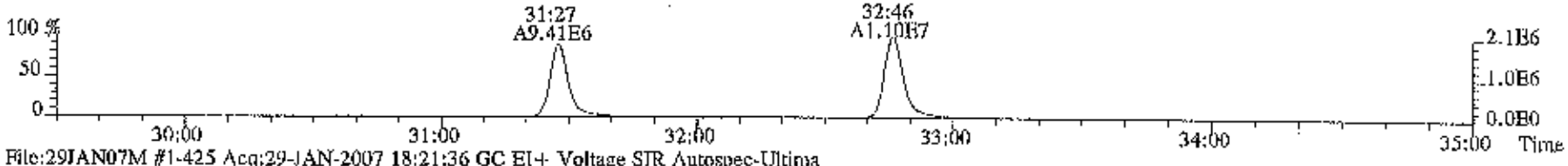


File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV

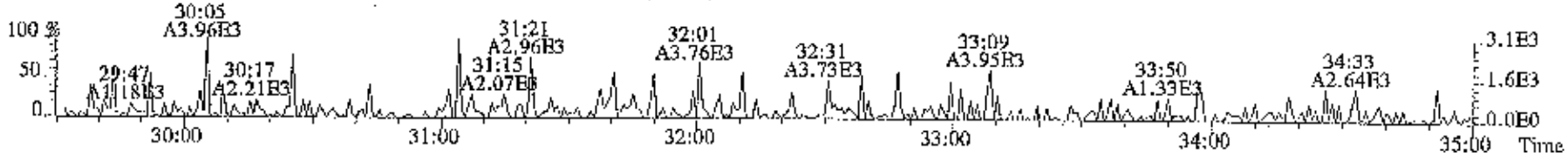
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



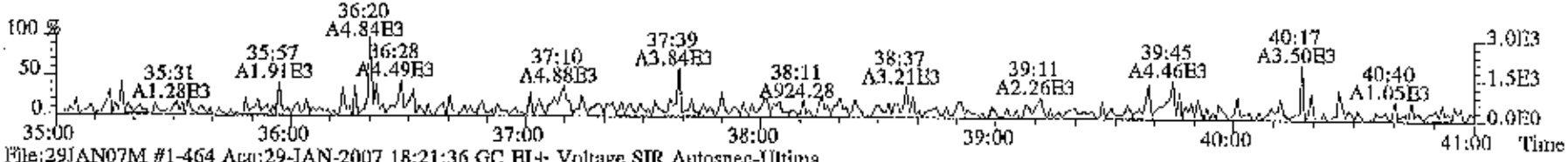
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



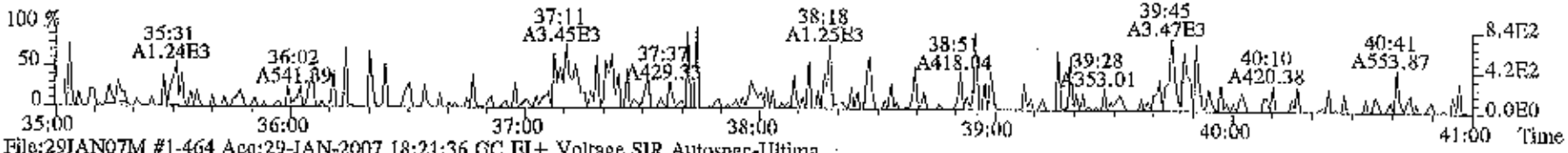
File:29JAN07M #1-425 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



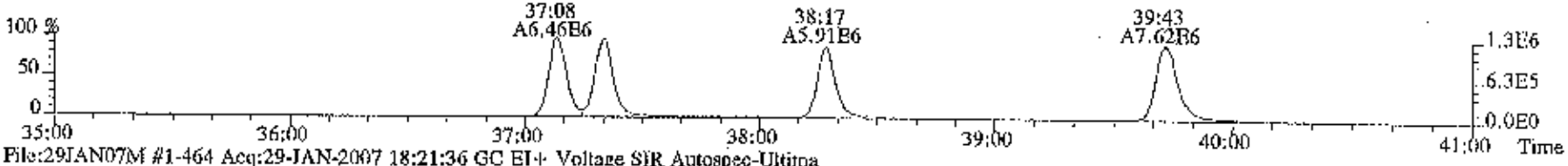
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



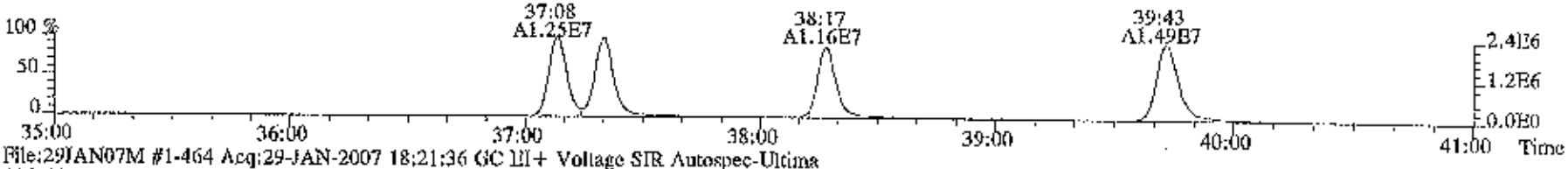
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



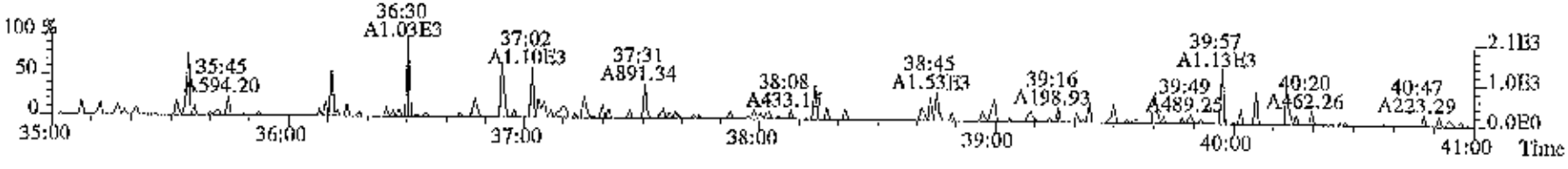
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



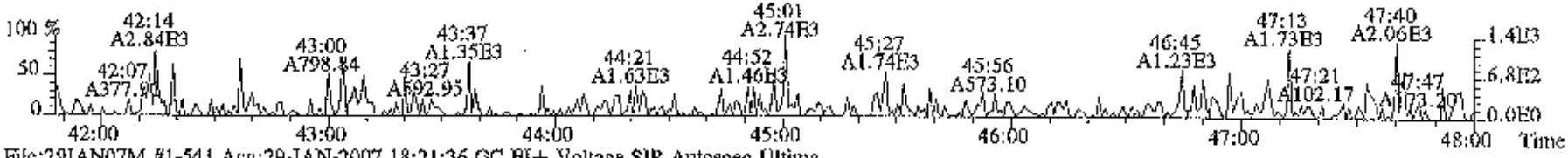
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



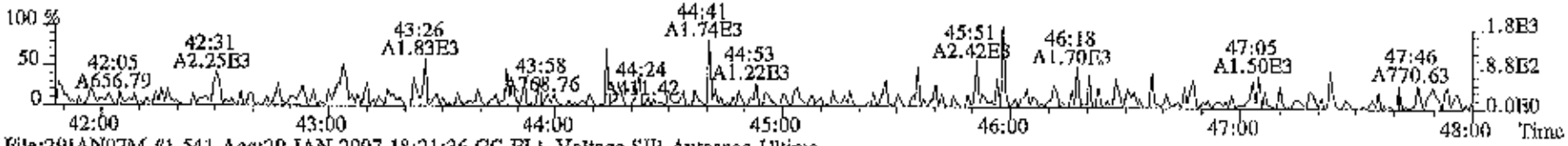
File:29JAN07M #1-464 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



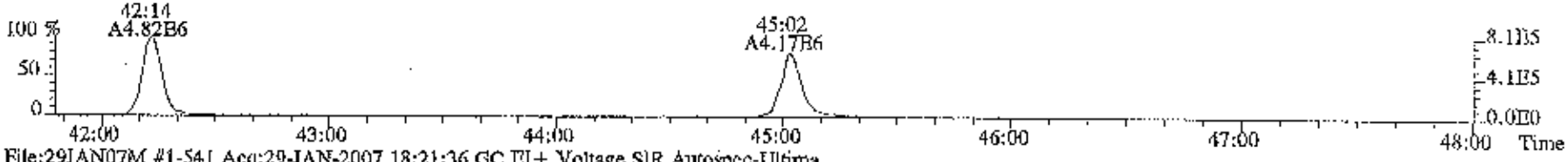
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



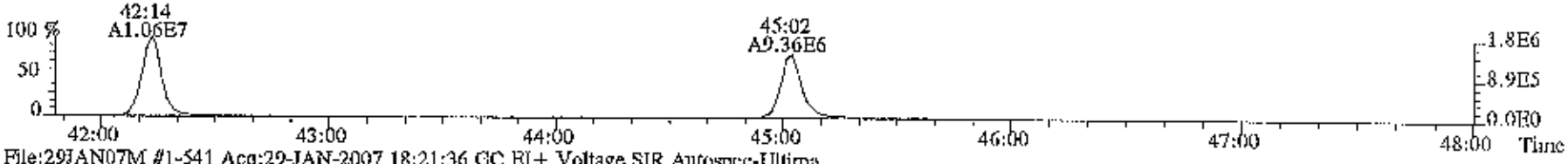
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



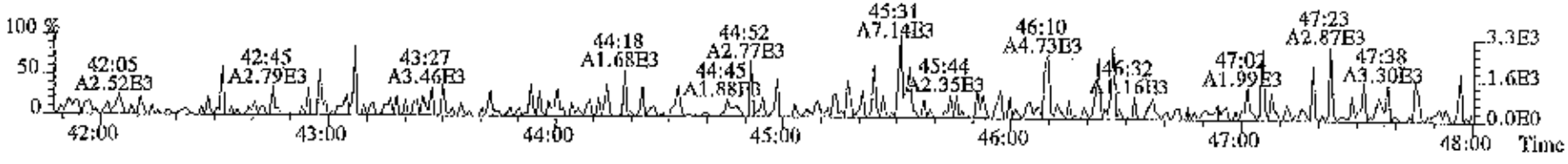
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



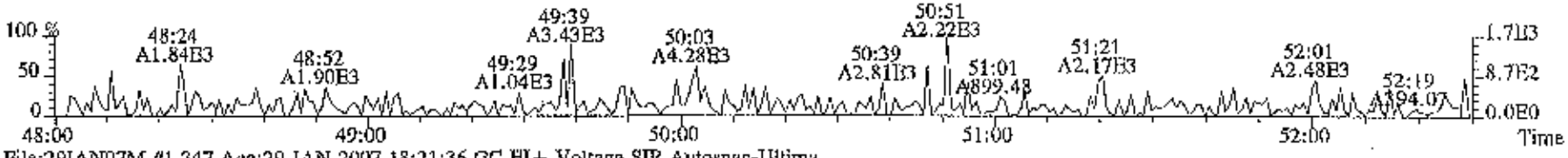
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



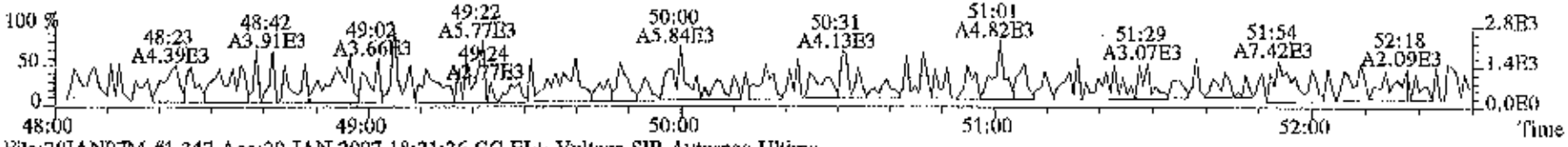
File:29JAN07M #1-541 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



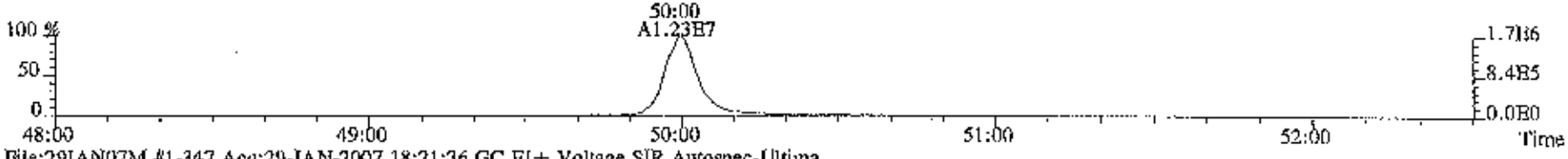
File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



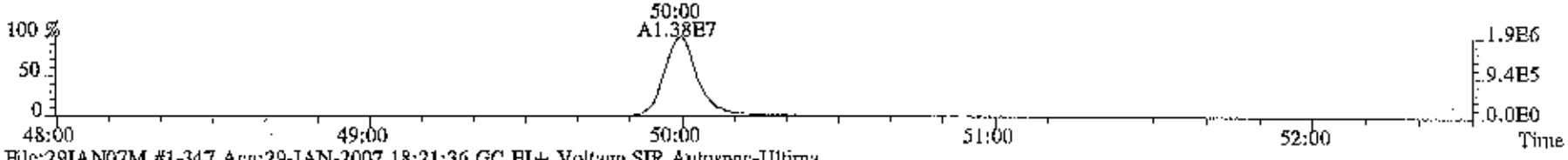
File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



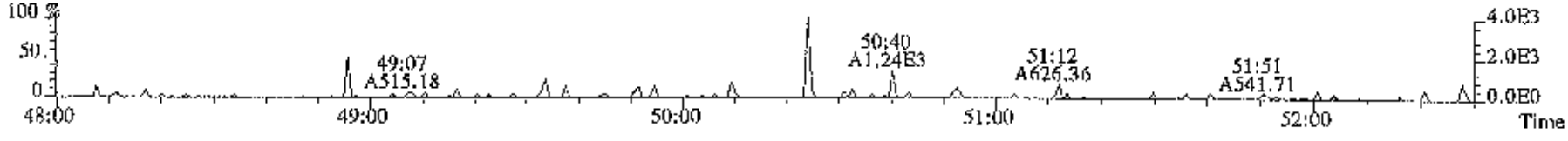
File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 18:21:36 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:4284-002-0001-SA File Text:Frontier Analytical Laboratory Analyst ID:DV



FAL ID: 4284-001-0001-SA Filename: 29JAN07M Scn:4 Acquired: 29-JAN-07 17:26:20 ICal: PCDDFAL3-10-24-06
Client ID: 10A1645-03 ConCal: ST012907M1 EndCal: ST012907M2
Results: 4287 GC Column: DB5 Amount: 1.004 NATO 1989 Tox: 0.157
WHO 1998 Tox: 0.1000

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL
2,3,7,8-TCDD	*	* n	NotFnd	1.19	*		2.50	600	1.02
1,2,3,7,8-PeCDD	*	* n	NotFnd	0.69	*		2.50	640	2.75
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	0.94	*		2.50	650	2.32
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	0.81	*		2.50	650	3.04
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	0.74	*		2.50	650	3.39
1,2,3,4,6,7,8-HpCDD	5.03e+04	1.19 y	44:10	0.89	9.36	J	2.50	-	*
OCDD	2.90e+05	0.90 y	49:41	1.03	63.1		2.50	-	*
2,3,7,8-TCDF	*	* n	NotFnd	0.97	*		2.50	758	1.04
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.82	*		2.50	786	2.37
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.78	*		2.50	786	2.36
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.90	*		2.50	710	1.53
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	710	1.46
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.97	*		2.50	710	1.66
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	0.89	*		2.50	710	1.88
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	0.99	*		2.50	666	1.91
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	0.98	*		2.50	666	2.50
OCDF	*	* n	NotFnd	0.84	*		2.50	589	4.10

						Rec
13C-2,3,7,8-TCDD	2.06e+07	0.79 y	27:23	0.95	1740	87.5
13C-1,2,3,7,8-PeCDD	2.27e+07	1.56 y	33:11	1.06	1720	86.1
13C-1,2,3,4,7,8-HxCDD	1.74e+07	1.30 y	38:31	1.05	1680	84.5
13C-1,2,3,6,7,8-HxCDD	1.75e+07	1.22 y	38:41	1.00	1790	89.9
13C-1,2,3,4,6,7,8-HpCDD	1.20e+07	1.07 y	44:07	0.82	1490	74.8
13C-OCDD	1.78e+07	0.89 y	49:38	0.68	2660	66.8
13C-2,3,7,8-TCDF	3.15e+07	0.78 y	26:39	0.98	1740	87.3
13C-1,2,3,7,8-PeCDF	2.57e+07	1.62 y	31:28	0.83	1690	84.9
13C-2,3,4,7,8-PeCDF	2.93e+07	1.63 y	32:46	0.97	1640	82.1
13C-1,2,3,4,7,8-HxCDF	2.02e+07	0.53 y	37:09	1.28	1610	80.6
13C-1,2,3,6,7,8-HxCDF	2.13e+07	0.52 y	37:20	1.29	1690	84.8
13C-2,3,4,6,7,8-HxCDF	1.90e+07	0.51 y	38:17	1.12	1730	86.6
13C-1,2,3,7,8,9-HxCDF	2.20e+07	0.52 y	39:43	1.27	1780	89.1
13C-1,2,3,4,6,7,8-HpCDF	1.63e+07	0.43 y	42:14	1.06	1570	78.8
13C-1,2,3,4,7,8,9-HpCDF	1.36e+07	0.43 y	45:02	0.94	1470	73.9
13C-OCDF	2.49e+07	0.88 y	49:60	0.95	2680	67.3
37Cl-2,3,7,8-TCDD	6.06e+06		27:24	0.65	744	93.4
13C-1,2,3,4-TCDD	2.49e+07	0.81 y	26:49	-	12.2	
13C-1,2,3,4-TCDF	3.66e+07	0.79 y	25:33	-	11.8	
13C-1,2,3,7,8,9-HxCDD	1.95e+07	1.24 y	39:09	-	12.6	

							Fac	Noise	DL	#Hom	
Total Tetra-Dioxins	*		NotFnd	1.19	*		2.50	600	1.02	0	
Total Penta-Dioxins	*		NotFnd	0.69	*		2.50	640	2.75	0	
Total Hexa-Dioxins	*		NotFnd	0.83	*		2.50	650	3.39	0	
Total Hepta-Dioxins	1.04e+05		42:48	0.89	19.4	J	2.50	-	*	2	
Total Tetra-Furans	*		NotFnd	0.97	*		2.50	758	1.04	0	
1st Fn. Tot Penta-Furans	*		NotFnd	0.80	*		2.50	786	2.44	0	PeCDF
Total Penta-Furans	*		NotFnd	0.80	*		2.50	786	2.44	0	0.00
Total Hexa-Furans	*		NotFnd	0.95	*		2.50	710	1.90	0	
Total Hepta-Furans	*		NotFnd	0.99	*		2.50	666	2.50	0	

Analyst: DJ Date: 1/30/07

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 13 File: 29JAN07M S: 4 I: 1 F: 4
Acquired: 29-JAN-07 17:26:20

Total Concentration: 19.4 Unnamed Concentration: 10.044

RT	m1 Resp	m2 Resp	RA		Resp	Concentration	Name
42:48	2.92e+04	2.48e+04	1.18	y	5.40e+04	10.0	
44:10	2.73e+04	2.30e+04	1.19	y	5.03e+04	9.36	1,2,3,4,6,7,8-HpCDD

FAL ID: 4284-002-0001-SA Filename: 29JAN07M Sam:5 Acquired: 29-JAN-07 18:21:36 ICal: PCDDFAL3-10-24-06
Client ID: 10A1645-04 ConCal: ST012907M1 EndCal: ST012907M2
Results: 4284 GC Column: DB5 Amount: 1.011 NATO 1989 Tox: 0.00
WHO 1998 Tox: 0.00

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	*	*	n	NotFnd	1.19	*		2.50	593	1.02	
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.69	*		2.50	503	2.23	
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.94	*		2.50	586	2.29	
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	0.81	*		2.50	586	3.02	
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	0.74	*		2.50	586	3.19	
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	0.89	*		2.50	394	2.24	
OCDD	*	*	n	NotFnd	1.03	*		2.50	622	4.41	
2,3,7,8-TCDF	*	*	n	NotFnd	0.97	*		2.50	734	1.03	
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*		2.50	694	2.23	
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.78	*		2.50	694	2.12	
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	360	0.825	
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.02	*		2.50	360	0.742	
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.97	*		2.50	360	0.872	
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.89	*		2.50	360	0.881	
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	0.99	*		2.50	534	1.49	
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	0.98	*		2.50	534	1.89	
OCDF	*	*	n	NotFnd	0.84	*		2.50	651	4.08	

							Rec
13C-2,3,7,8-TCDD	2.07e+07	0.80	y	27:22	0.95	1860	94.2
13C-1,2,3,7,8-PeCDD	2.21e+07	1.58	y	33:10	1.06	1790	90.3
13C-1,2,3,4,7,8-HxCDD	1.60e+07	1.21	y	38:31	1.05	1670	84.3
13C-1,2,3,6,7,8-HxCDD	1.57e+07	1.32	y	38:41	1.00	1730	87.7
13C-1,2,3,4,6,7,8-HpCDD	1.17e+07	1.08	y	44:07	0.82	1570	79.1
13C-OCDD	1.57e+07	0.89	y	49:38	0.68	3030	76.6
13C-2,3,7,8-TCDF	2.94e+07	0.79	y	26:38	0.98	1720	87.0
13C-1,2,3,7,8-PeCDF	2.47e+07	1.63	y	31:27	0.83	1720	86.9
13C-2,3,4,7,8-PeCDF	2.90e+07	1.63	y	32:46	0.97	1720	86.7
13C-1,2,3,4,7,8-HxCDF	1.90e+07	0.51	y	37:08	1.28	1630	82.4
13C-1,2,3,6,7,8-HxCDF	2.01e+07	0.52	y	37:20	1.29	1720	86.8
13C-2,3,4,6,7,8-HxCDF	1.75e+07	0.51	y	38:17	1.12	1710	86.6
13C-1,2,3,7,8,9-HxCDF	2.25e+07	0.51	y	39:43	1.27	1960	98.9
13C-1,2,3,4,6,7,8-HpCDF	1.54e+07	0.46	y	42:14	1.06	1600	81.0
13C-1,2,3,4,7,8,9-HpCDF	1.35e+07	0.45	y	45:02	0.94	1580	79.7
13C-OCDF	2.62e+07	0.89	y	49:60	0.95	3030	76.7
37Cl-2,3,7,8-TCDD	6.09e+06			27:23	0.65	798	101
13C-1,2,3,4-TCDD	2.31e+07	0.81	y	26:48	-	11.3	
13C-1,2,3,4-TCDF	3.43e+07	0.79	y	25:32	-	11.0	
13C-1,2,3,7,8,9-HxCDD	1.80e+07	1.27	y	39:08	-	11.5	

					Fac	Noise	DL	#Hom	
Total Tetra-Dioxins	*		NotFnd	1.19	*	2.50	593	1.02	0	
Total Penta-Dioxins	*		NotFnd	0.69	*	2.50	503	2.23	0	
Total Hexa-Dioxins	*		NotFnd	0.83	*	2.50	586	3.19	0	
Total Hepta-Dioxins	*		NotFnd	0.89	*	2.50	394	2.24	0	
Total Tetra-Furans	*		NotFnd	0.97	*	2.50	734	1.03	0	
1st Fn. Tot Penta-Furans	*		NotFnd	0.80	*	2.50	694	2.23	0	PeCDF
Total Penta-Furans	*		NotFnd	0.80	*	2.50	694	2.23	0	0.00
Total Hexa-Furans	*		NotFnd	0.95	*	2.50	360	0.950	0	
Total Hepta-Furans	*		NotFnd	0.99	*	2.50	534	1.89	0	

Analyst: DN Date: 1/30/07

2DF - FORM II-HR CDD

CDD/CDF TOTAL HOMOLOGUE CONCENTRATION SUMMARY

HIGH RESOLUTION

SAMPLE No.
IGA1645-03

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-001-0001-SA

SAMPLE wt/vol: 1004 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 4

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0.10 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

HOMOLOGUE	PEAKS	CONCENTRATION	Q	EMPC/EDL
DIOXINS				
Total TCDD	0	*		1.02
Total PeCDD	0	*		2.75
Total HxCDD	0	*		3.39
Total HpCDD	2	19.4	J	*
FURANS				
Total TCDF	0	*		1.04
Total PeCDF	0	*		2.44
Total HxCDF	0	*		1.90
Total HpCDF	0	*		2.50

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Limits (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids). The total homologue concentrations do not affect the TEF (Toxicity Equivalent Factor) calculations.

ANALYST: DN DATE: 1/30/07

2DF - FORM II-HR CDD
CDD/CDF TOTAL HOMOLOGUE CONCENTRATION SUMMARY
HIGH RESOLUTION

SAMPLE No.
IQA1643-04

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 4284-002-0001-SA

SAMPLE wt/vol: 1011 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 5

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: 19-JAN-07

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

HOMOLOGUE	PEAKS	CONCENTRATION	Q	EMPC/EDL
DIOXINS				
Total TCDD	0	*	U	1.02
Total PeCDD	0	*	U	2.23
Total HxCDD	0	*	U	3.19
Total HpCDD	0	*	U	2.24
FURANS				
Total TCDF	0	*	U	1.03
Total PeCDF	0	*	U	2.23
Total HxCDF	0	*	U	0.950
Total HpCDF	0	*	U	1.89

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Limits (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids). The total homologue concentrations do not affect the TEF (Toxicity Equivalent Factor) calculations.

ANALYST: BJ DATE: 1/30/07

3DFA - FORM III-HR CDD
CDD/CDF LAB CONTROL SAMPLE SUMMARY
HIGH RESOLUTION

SAMPLE No.
OPR

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-OPR

SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 2

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: NA

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) DATE ANALYZED: 29-JAN-07

GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

SPIKE ANALYTE	SPIKE ADDED	AMOUNT RECOVERED	PERCENT RECOVERY	#	QC LIMITS
2,3,7,8-TCDD	10	9.96	99.6		67-158
2,3,7,8-TCDF	10	9.76	97.6		75-158
1,2,3,7,8-PeCDF	50	55.9	112		80-134
1,2,3,7,8-PeCDD	50	49.6	99.2		70-142
2,3,4,7,8-PeCDF	50	56.1	112		68-160
1,2,3,4,7,8-HxCDF	50	52.2	104		72-134
1,2,3,6,7,8-HxCDF	50	53.1	106		84-130
1,2,3,4,7,8-HxCDD	50	52.5	105		70-164
1,2,3,6,7,8-HxCDD	50	54.4	109		76-134
1,2,3,7,8,9-HxCDD	50	52.5	105		64-162
2,3,4,6,7,8-HxCDF	50	53.7	107		70-156
1,2,3,7,8,9-HxCDF	50	53.1	106		78-130
1,2,3,4,6,7,8-HpCDF	50	51.9	104		82-132
1,2,3,4,6,7,8-HpCDD	50	51.8	104		70-140
1,2,3,4,7,8,9-HpCDF	50	51.7	103		78-138
OCDD	100	107	107		78-144
OCDF	100	108	108		63-170

Column to be used to flag values outside Quality Control (QC) Limits.

Laboratory Control Sample Recovery: 0 Outside limits of 17 total.

ANALYST: DJ DATE: 1/30/07

4DF - FORM IV-HR CDD
CDD/CDF METHOD BLANK SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-MB

WATER SAMPLE PREP: SPE (SEPF/SPE) LAB FILE ID: 29JAN07M Scan: 3

GC COLUMN: DB5 ID: 0.25 (mm) DATE EXTRACTED: 26-JAN-07

INSTRUMENT ID: FAL3 DATE ANALYZED: 29-JAN-07

THIS METHOD BLANK APPLIES TO LABORATORY CONTROL SAMPLES (LCSs).

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
1613 CS3 (061011J)	ST012907M1	29JAN07M 1	29-JAN-07
OPR	1063-001-0001-OPR	29JAN07M 2	29-JAN-07
Method Blank	1063-001-0001-MB	29JAN07M 3	29-JAN-07
IQA1645-03	4284-001-0001-SA	29JAN07M 4	29-JAN-07
IQA1645-04	4284-002-0001-SA	29JAN07M 5	29-JAN-07
XXXXXX	XXXX-XXX-XXXX-XX	29JAN07M 6	29-JAN-07
XXXXXX	XXXX-XXX-XXXX-XX	29JAN07M 7	29-JAN-07
Solvent Blank	SB012907M1	29JAN07M 8	29-JAN-07
1613 CS3 (061011J)	ST012907M2	29JAN07M 9	29-JAN-07

ANALYST: DAJ DATE: 1/30/07

SDFA - FORM V-HR CDD-1 SAMPLE No.

CDD/CDF WINDOW DEFINING MIX (WDM) SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 29JAN07M Sam: 3

INSTRUMENT ID: FAL3 DATE ANALYZED: 29-JAN-07

TIME ANALYZED: 14:38:36

CDD/CDF	RT FIRST ELUTING	RT LAST ELUTING
TCDD	24:20	28:17
TCDF	22:59	28:31
PeCDD	30:11	33:43
PeCDF	28:21	34:08
HxCDD	36:01	39:05
HxCDF	35:09	39:39
HpCDD	42:41	44:03
HpCDF	42:10	44:58

ANALYST: DN DATE: 1/30/07

SDFA - FORM V-HR CDD-1 SAMPLE No.

CDD/CDF WINDOW DEFINING MIX (WDM) SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALR CASE NO.: TO NO.: SDG NO.:

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 29JAN07M Sam: 9

INSTRUMENT ID: FAL3 DATE ANALYZED: 29-JAN-07

TIME ANALYZED: 22:02:49

CDD/CDF	RT FIRST ELUTING	RT LAST ELUTING
TCDD	24:24	28:21
TCDF	23:03	28:35
PeCDD	30:14	33:47
PeCDF	28:25	34:12
HxCDD	36:05	39:09
HxCDF	35:12	39:43
HpCDD	42:45	44:07
HpCDF	42:13	43:02

ANALYST: DJ DATE: 1/30/07

5DFB - FORM V-HR CDD-2
CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 29JAN07M Sam: 1

INSTRUMENT ID: FAL3 DATE ANALYZED: 29-JAN-07

TIME ANALYZED: 14:38:36

Percent Valley determination for DB-5 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

1238-TCDD/2378-TCDD: <25%

QUALITY CONTROL (QC) LIMITS:

Percent Valley between the TCDD isomers must be less than or equal to 25%.

Percent Valley determination for DB-225 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

2347-TCDF/2378-TCDF: <25%

QC Limits:

Percent Valley between the TCDD/TCDF isomers must be less than or equal to 25%.

ANALYST: DNJ DATE: 1/30/07

5DFB - FORM V-HR CDD-2
CDD/CDF CHROMATOGRAPHIC RESOLUTION SUMMARY
HIGH RESOLUTION

SAMPLE No.
1613 CS3 (061011J)

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) LAB FILE ID: 29JAN07M Sam: 9

INSTRUMENT ID: FAL3 DATE ANALYZED: 29-JAN-07

TIME ANALYZED: 22:02:49

Percent Valley determination for DB-5 (or equivalent) column-
for the column performance solution beginning the 12-hour period:

1238-TCDD/2378-TCDD: <25%

QUALITY CONTROL (QC) LIMITS:

Percent Valley between the TCDD isomers must be less than or equal to 25%.

Percent Valley determination for DB-225 (or equivalent) column-
For the column performance solution beginning the 12-hour period:

2347-TCDF/2378-TCDF: <25%

QC Limits:

Percent Valley between the TCDD/TCDF isomers must be less than or equal to 25%.

ANALYST: DNJ DATE: 1/30/07

SDFC - FORM V-3R CDD-3
CDD/CDF ANALYTICAL SEQUENCE SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

INIT. CALIB. DATE (S) : 24-OCT-06

INIT. CALIB. TIMES: 12:06:14, 13:01:38, 13:57:01, 11:10:51, 14:52:28, 15:47:52

THE ANALYTICAL SEQUENCE OF STANDARDS, SAMPLES, BLANKS, AND LABORATORY CONTROL SAMPLES (LCSs) IS AS FOLLOWS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1613 CS3 (061011J)	ST012907M1	29JAN07M	29-JAN-07	14:38:36
DPR	1063-001-0001-DPR	29JAN07M	29-JAN-07	15:35:36
Method Blank	1063-001-0001-MB	29JAN07M	29-JAN-07	16:30:57
1QA1645-03	4284-001-0001-SA	29JAN07M	29-JAN-07	17:26:20
1QA1645-04	4284-002-0001-SA	29JAN07M	29-JAN-07	18:21:36
XXXXXX	XXXX-XXX-XXXX-XX	29JAN07M	29-JAN-07	19:16:51
XXXXXX	XXXX-XXX-XXXX-XX	29JAN07M	29-JAN-07	20:12:10
Solvent Blank	SB012907M1	29JAN07M	29-JAN-07	21:07:30
1613 CS3 (061011J)	ST012907M2	29JAN07M	29-JAN-07	22:02:49

ANALYST: DN DATE: 1/30/07

6DFA - FORM VI-HR CDD-1

CDD/CDF INITIAL CALIBRATION RESPONSE FACTOR SUMMARY

HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

INIT. CALIB. DATE(S): 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06

INIT. CALIB. TIMES: 12:06:14 13:01:38 13:57:01 11:10:51 14:52:28 15:47:52

TARGET ANALYTES	RR/RRF CS0	CS1	CS2	CS3	CS4	CS5	MEAN RR/RRF	%RSD	QC LIMITS
2,3,7,8-TCDD	1.23	1.14	1.13	1.23	1.21	1.21	1.19	3.65	+/-20%
2,3,7,8-TCDF	0.96	0.89	0.96	0.98	1.02	1.02	0.97	5.09	+/-20%
1,2,3,7,8-PeCDF	0.76	0.75	0.81	0.86	0.88	0.86	0.82	6.38	+/-20%
1,2,3,7,8-PeCDD	0.66	0.63	0.68	0.71	0.74	0.74	0.69	6.56	+/-20%
2,3,4,7,8-PeCDF	0.73	0.71	0.77	0.80	0.83	0.82	0.78	6.31	+/-20%
1,2,3,4,7,8-HxCDF	0.89	0.87	0.88	0.92	0.94	0.90	0.90	2.75	+/-20%
1,2,3,6,7,8-HxCDF	0.98	0.95	1.00	1.06	1.08	1.04	1.02	5.08	+/-20%
1,2,3,4,7,8-HxCDD	0.91	0.90	0.92	0.98	0.98	0.96	0.94	3.98	+/-20%
1,2,3,6,7,8-HxCDD	0.79	0.77	0.79	0.84	0.86	0.82	0.81	4.05	+/-20%
1,2,3,7,8,9-HxCDD (1)	0.72	0.70	0.73	0.78	0.77	0.75	0.74	4.12	+/-20%
2,3,4,6,7,8-HxCDF	0.94	0.92	0.95	0.98	1.02	0.99	0.97	3.93	+/-20%
1,2,3,7,8,9-HxCDF	0.89	0.84	0.86	0.92	0.95	0.90	0.89	4.67	+/-20%
1,2,3,4,6,7,8-HpCDF	0.96	0.94	0.98	1.02	1.05	1.01	0.99	4.05	+/-20%
1,2,3,4,6,7,8-HpCDD	0.86	0.83	0.87	0.93	0.94	0.92	0.89	4.84	+/-20%
1,2,3,4,7,8,9-HpCDF	0.95	0.91	0.97	1.01	1.05	1.00	0.98	4.99	+/-20%
OCDD	1.01	0.95	0.99	1.07	1.09	1.07	1.03	5.47	+/-20%
OCDF	0.84	0.77	0.83	0.87	0.89	0.86	0.84	4.79	+/-20%
LABELED COMPOUNDS									
13C-2,3,7,8-TCDD	0.94	0.93	0.94	0.95	0.95	0.99	0.95	2.07	+/-35%
13C-1,2,3,7,8-PeCDD	1.10	1.04	1.03	1.04	1.09	1.06	1.06	2.73	+/-35%
13C-1,2,3,4,7,8-HxCDD	1.10	1.02	1.04	1.06	1.03	1.06	1.05	2.76	+/-35%
13C-1,2,3,6,7,8-HxCDD	1.02	0.98	1.02	1.02	0.96	0.97	1.00	2.59	+/-35%
13C-1,2,3,4,6,7,8-HpCDD	0.86	0.79	0.85	0.83	0.77	0.83	0.82	4.24	+/-35%
13C-OCDD	0.71	0.65	0.72	0.68	0.60	0.72	0.68	7.10	+/-35%
13C-2,3,7,8-TCDF	0.97	0.98	1.00	0.98	0.97	1.01	0.98	1.83	+/-35%
13C-1,2,3,7,8-PeCDF	0.85	0.82	0.81	0.83	0.82	0.86	0.83	2.33	+/-35%
13C-2,3,4,7,8-PeCDF	0.99	0.95	0.95	0.95	1.00	0.99	0.97	2.37	+/-35%
13C-1,2,3,4,7,8-HxCDF	1.38	1.31	1.28	1.32	1.22	1.19	1.28	5.52	+/-35%
13C-1,2,3,6,7,8-HxCDF	1.38	1.31	1.29	1.34	1.24	1.17	1.29	5.83	+/-35%
13C-1,2,3,7,8,9-HxCDF	1.34	1.24	1.24	1.27	1.26	1.25	1.27	2.90	+/-35%
13C-2,3,4,6,7,8-HxCDF	1.20	1.14	1.12	1.16	1.09	1.04	1.12	5.08	+/-35%
13C-1,2,3,4,6,7,8-HpCDF	1.14	1.03	1.05	1.10	1.00	1.03	1.06	4.96	+/-35%
13C-1,2,3,4,7,8,9-HpCDF	1.01	0.90	0.96	0.95	0.90	0.95	0.94	4.48	+/-35%
13C-OCDF	1.01	0.91	1.00	0.94	0.84	0.99	0.95	7.07	+/-35%
37Cl-2,3,7,8-TCDD	0.60	0.60	0.66	0.65	0.69	0.72	0.65	6.90	+/-35%

(1) The Relative Response (RR) is calculated based on the labeled analogs of the other two HxCDDs.

Analyst: [signature] Date: 10/25/06

EDFB - FORM VI-HR CDD-2
CDD/CDF INITIAL CALIBRATION ION ABUNDANCE RATIO SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

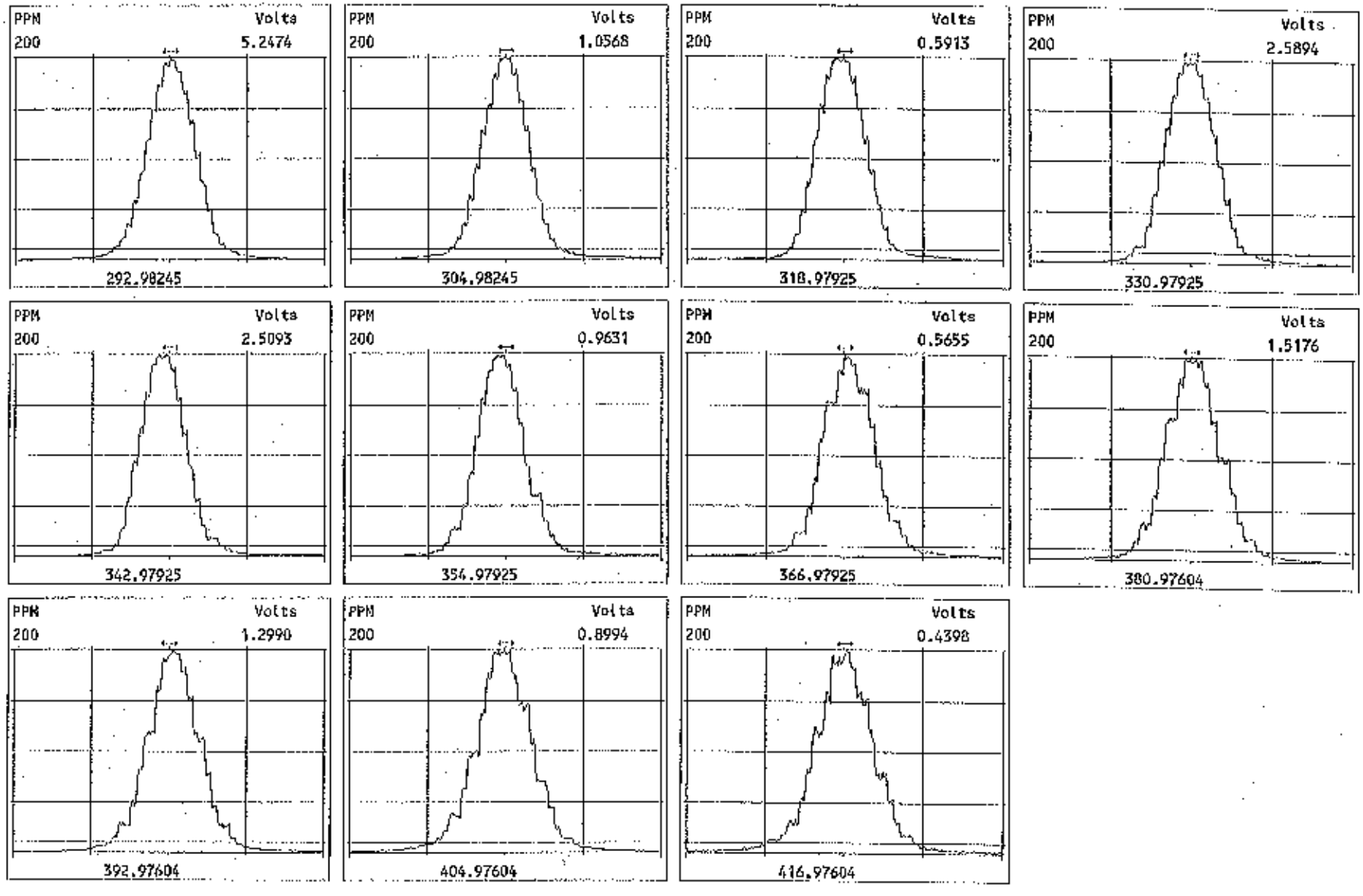
INIT. CALIB. DATE(S): 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06 24-OCT-06

INIT. CALIB. TIMES: 12:06:14 13:01:38 13:57:01 11:10:51 14:52:28 15:47:52

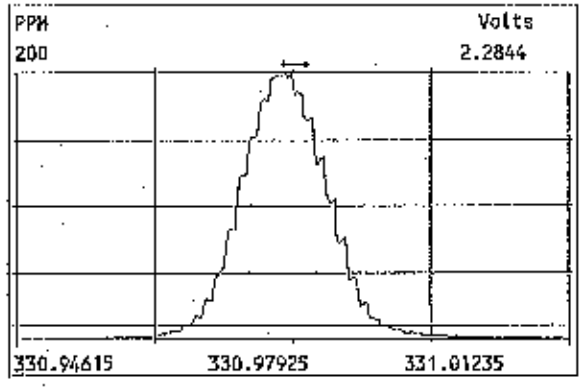
TARGET ANALYTES	SELECTED IONS	ION ABUNDANCE RATIO CS0	CS1	CS2	CS3	CS4	CS5	FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	0.84	0.75	0.78	0.77	0.78	0.79		0.65-0.89
2,3,7,8-TCDF	304/306	0.70	0.78	0.78	0.78	0.78	0.78		0.65-0.89
1,2,3,7,8-PeCDF	340/342	1.59	1.60	1.57	1.58	1.57	1.57		1.32-1.78
1,2,3,7,8-PeCDD	356/358	1.57	1.53	1.59	1.59	1.59	1.57		1.32-1.78
2,3,4,7,8-PeCDF	340/342	1.61	1.55	1.58	1.57	1.57	1.55		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	1.24	1.29	1.27	1.27	1.25	1.25		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.30	1.22	1.25	1.23	1.25	1.25		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	1.33	1.23	1.24	1.26	1.28	1.25		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	1.26	1.33	1.27	1.27	1.23	1.25		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	1.26	1.26	1.23	1.27	1.26	1.25		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	1.25	1.28	1.22	1.26	1.25	1.25		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	1.25	1.26	1.24	1.27	1.26	1.23		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	1.08	1.04	1.05	1.04	1.04	1.04		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	1.10	1.06	1.06	1.05	1.03	1.05		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	1.06	1.04	1.03	1.04	1.04	1.04		0.88-1.20
OCDD	458/460	0.90	0.89	0.90	0.87	0.89	0.89		0.76-1.02
OCDF	442/444	0.90	0.88	0.90	0.92	0.90	0.90		0.76-1.02
LABELED COMPOUNDS									
13C-2,3,7,8-TCDD	332/334	0.78	0.79	0.78	0.78	0.79	0.78		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.59	1.57	1.58	1.57	1.58	1.59		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.27	1.27	1.27	1.27	1.28	1.27		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	1.26	1.29	1.26	1.28	1.27	1.26		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	1.05	1.06	1.04	1.06	1.04	1.05		0.88-1.20
13C-OCDD	470/472	0.90	0.90	0.88	0.89	0.89	0.89		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.80	0.80	0.80	0.79	0.79	0.79		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	1.58	1.58	1.58	1.57	1.57	1.58		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	1.57	1.56	1.59	1.58	1.58	1.57		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	0.52	0.52	0.52	0.52	0.53	0.52		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	0.52	0.52	0.52	0.52	0.52	0.53		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	0.52	0.52	0.52	0.52	0.52	0.52		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	0.53	0.53	0.52	0.52	0.52	0.53		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	0.44	0.44	0.44	0.43	0.44	0.45		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.44	0.44	0.43	0.44	0.44	0.44		0.37-0.51
13C-OCDF	454/456	0.89	0.88	0.89	0.89	0.89	0.90		0.76-1.02
INTERNAL STANDARDS									
13C-1,2,3,4-TCDD	332/334	0.80	0.80	0.81	0.79	0.80	0.80		0.65-0.89
13C-1,2,3,4-TCDF	316/318	0.79	0.80	0.79	0.80	0.80	0.80		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	1.26	1.29	1.23	1.26	1.25	1.27		1.05-1.43

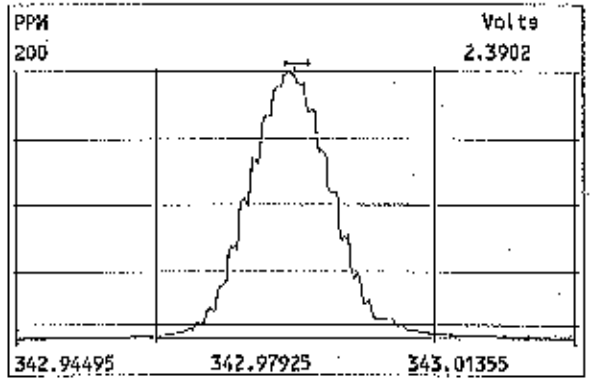
Quality Control (QC) limits represent +/-15% window around the theoretical ion abundance ratio. The laboratory must flag any analyte in any calibration solution which does not meet the ion abundance ratio QC limit by placing an asterik in the flag column Analyst: [signature] Date: 10/31/06

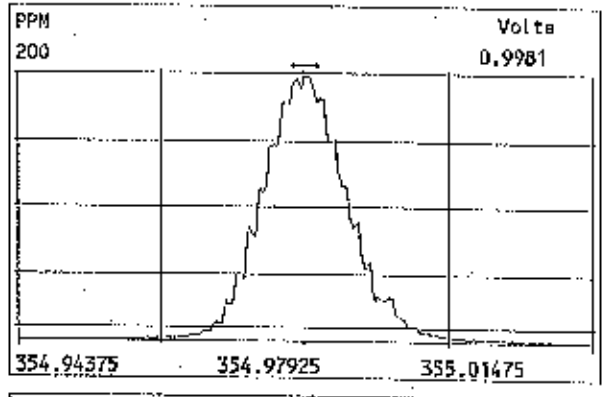
Peak Locate Examination:24-OCT-2006:11:08 File:24OCT06M
Experiment:PCDD Function:1 Reference:PFK

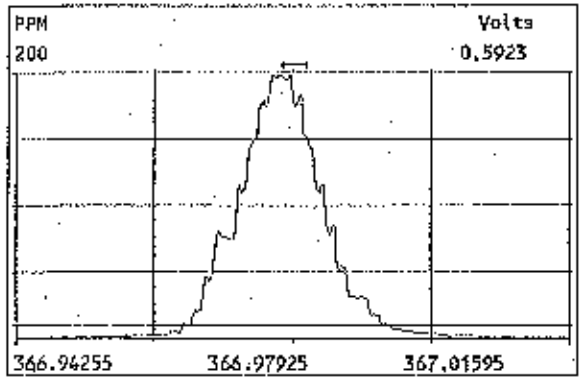


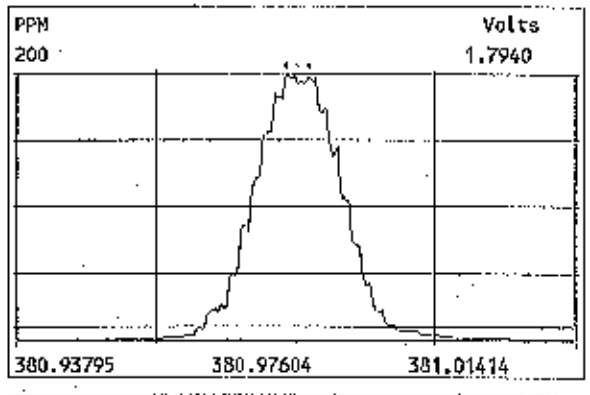
Peak Locate Examination:24-OCT-2006:11:09 File:24OCT06M
Experiment:PCDD Function:2 Reference:PFK

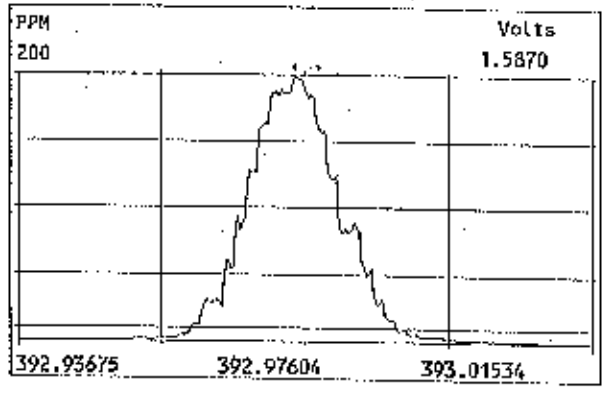


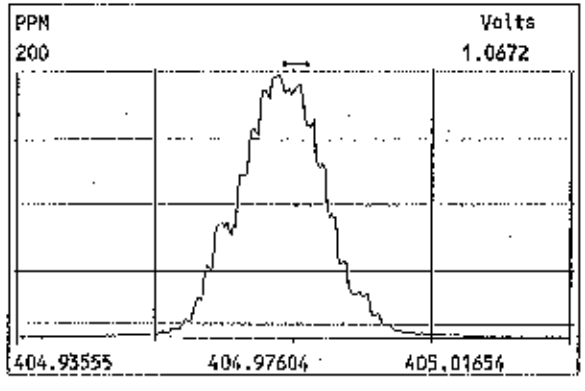


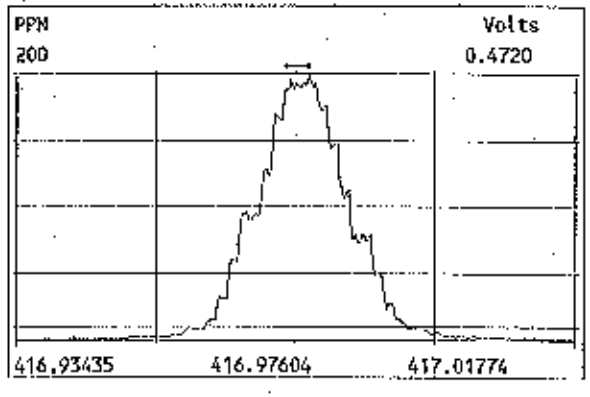




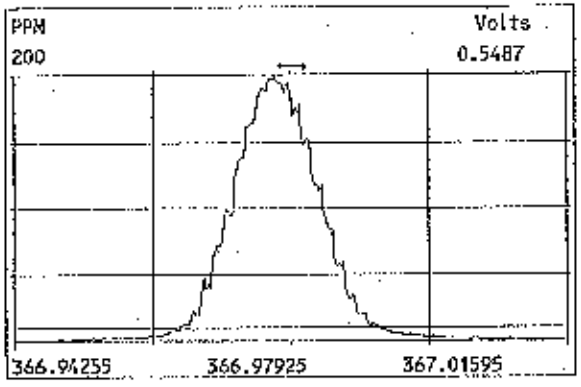


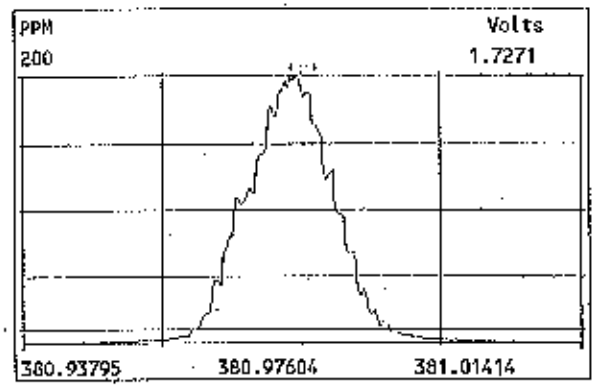


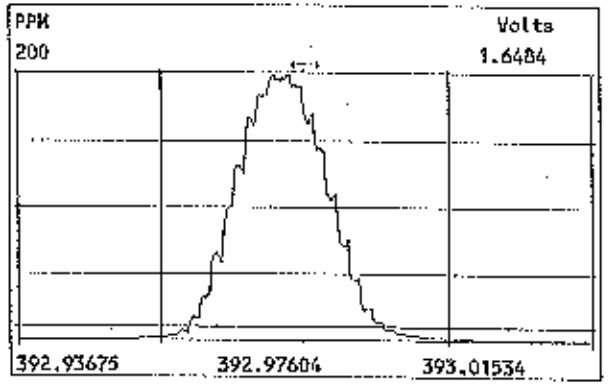


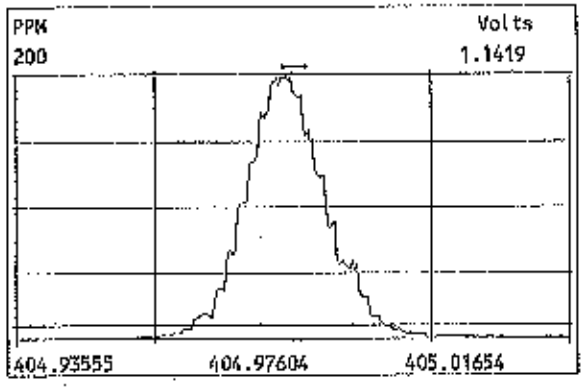


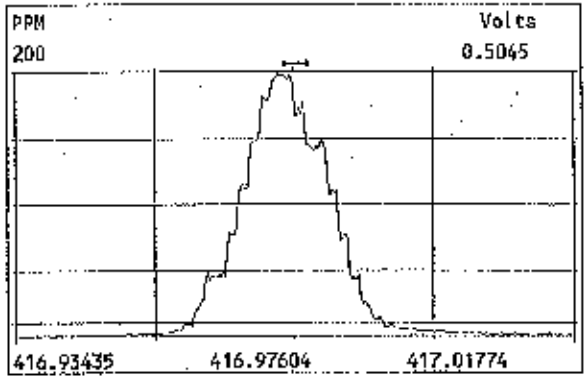
Peak Locate Examination:24-OCT-2006:11:09 File:24OCT06M
Experiment:PCDD Function:3 Reference:PFK

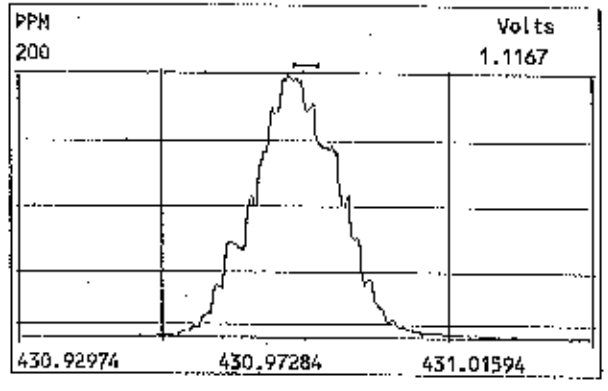


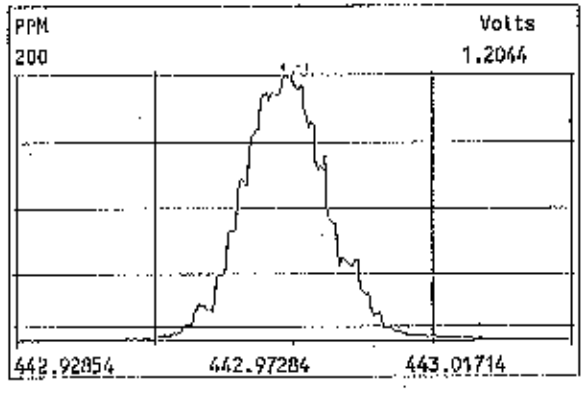


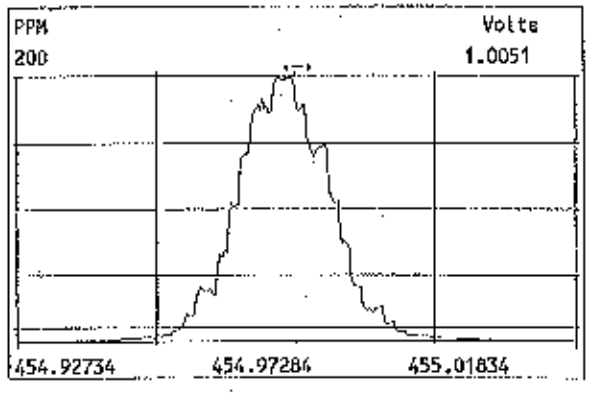




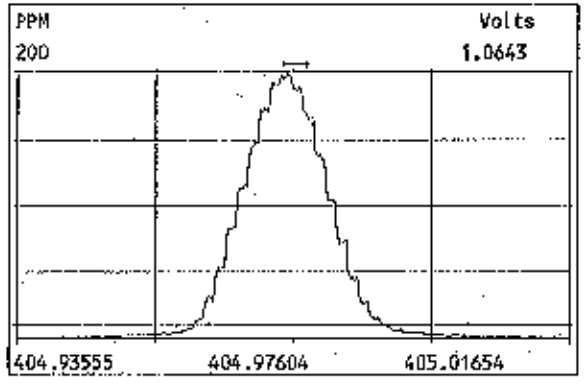


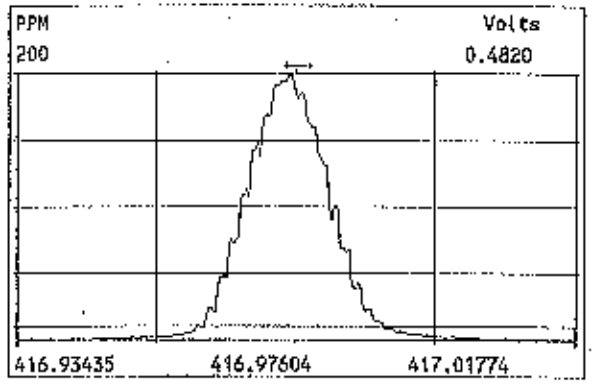


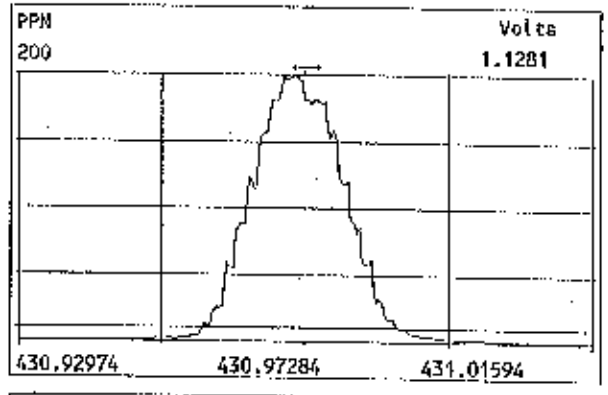


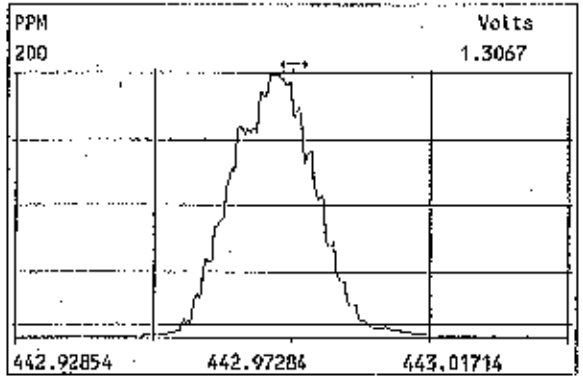


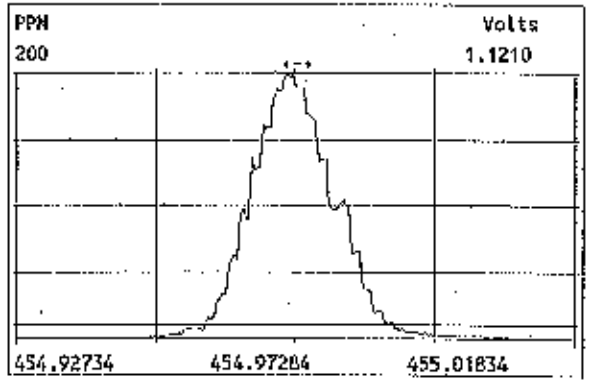
Peak Locate Examination;24-OCT-2006:11:09 File:24OCT06M
Experiment:PCDD Function:4 Reference:PFK

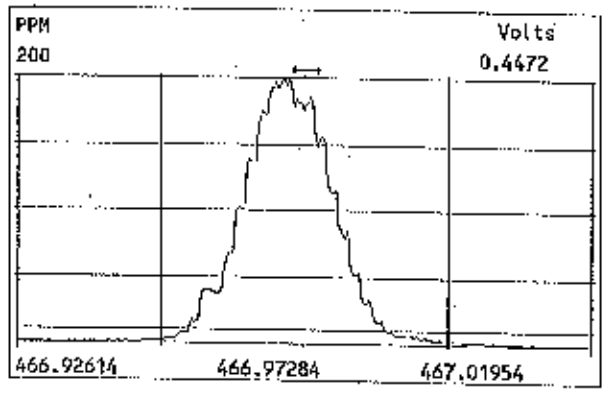


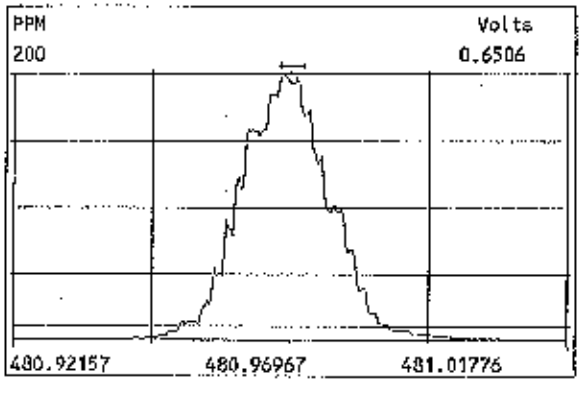




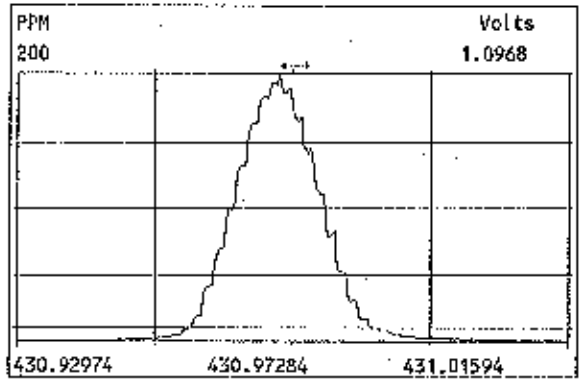


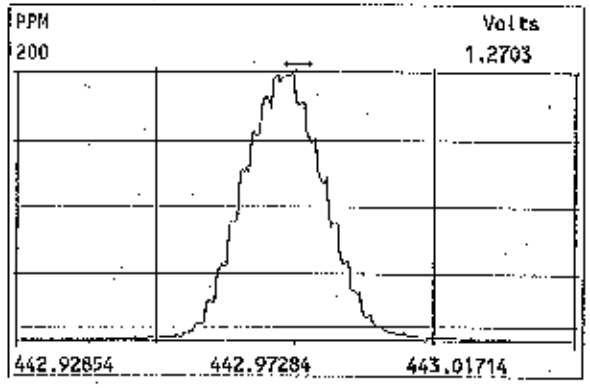


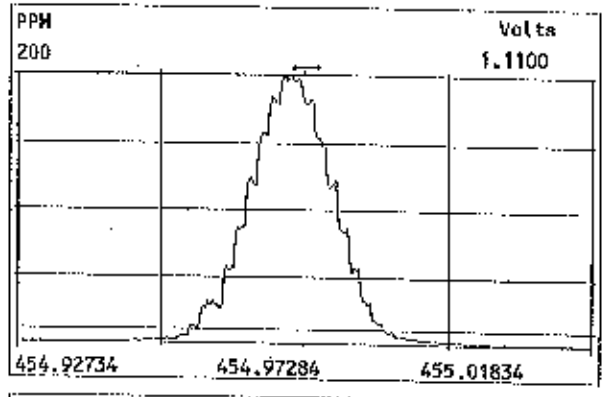


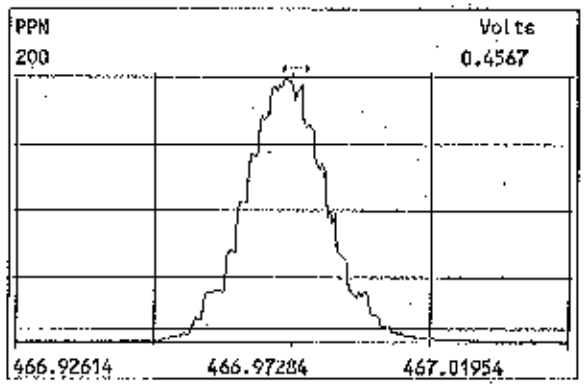


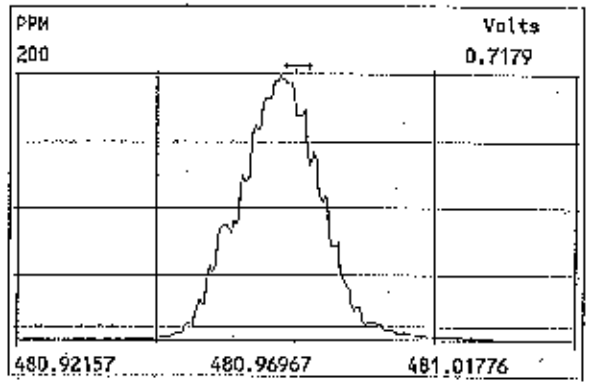
Peak Locate Examination:24-OCT-2006:11:10 File:24OCT06M
Experiment:PCDD Function:5 Reference:PFK

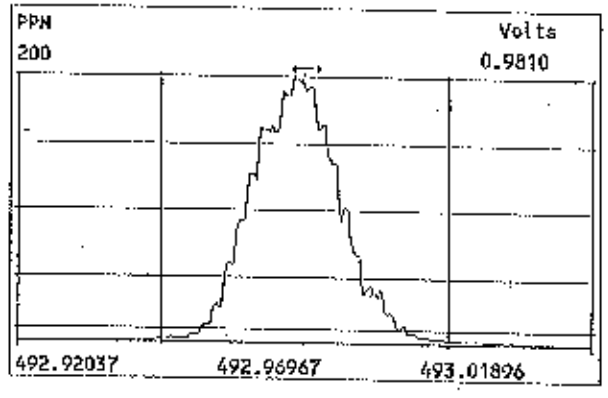


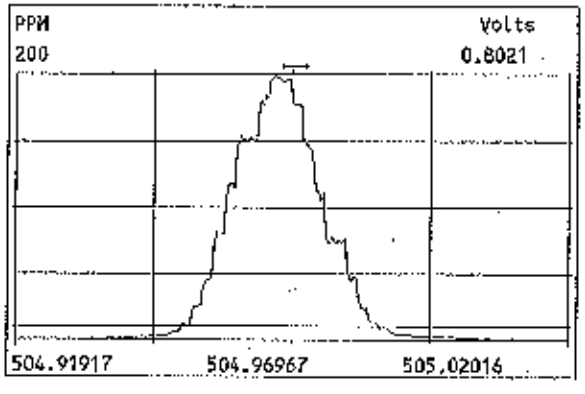


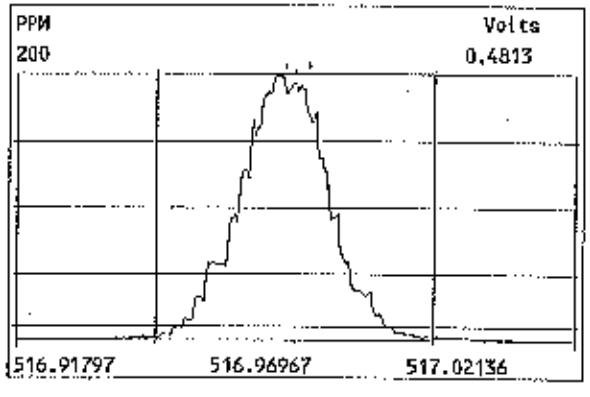




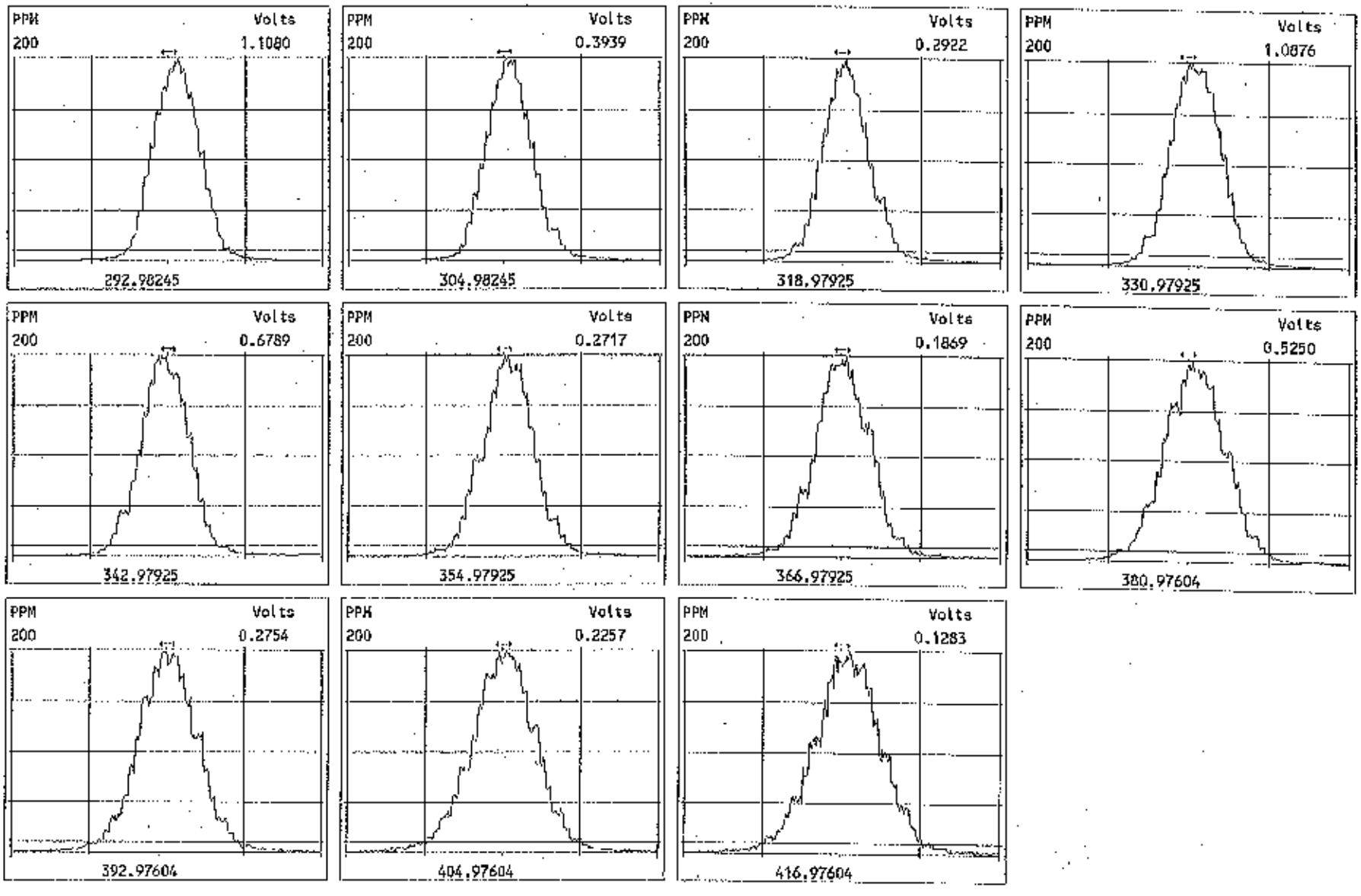




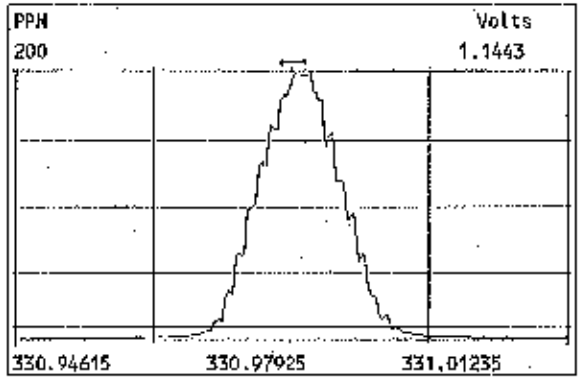


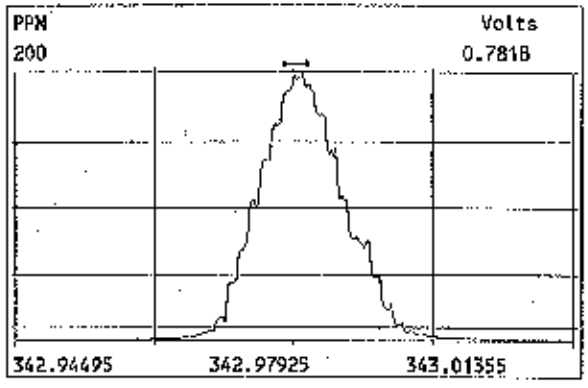


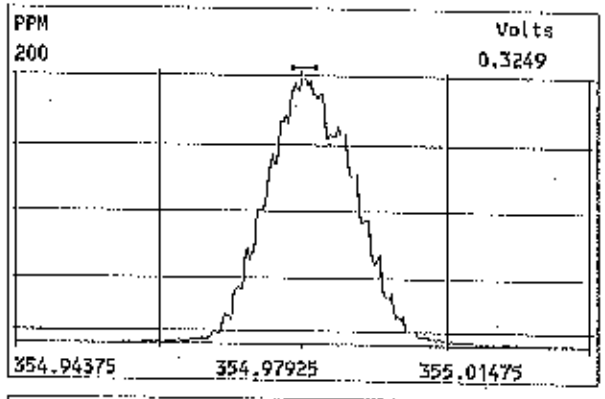
Peak Locate Examination:25-OCT-2006:03:51 File:240CT06M_RES_CHECK
Experiment:PCOD Function:1 Reference:PFK

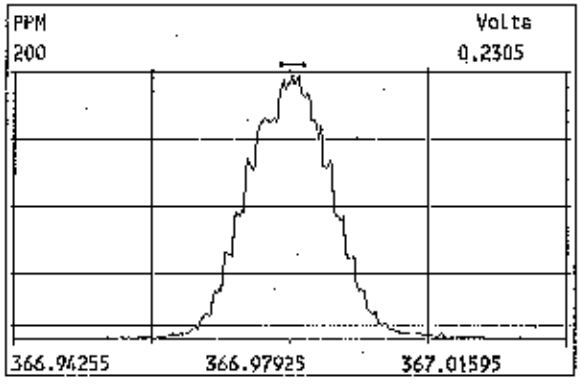


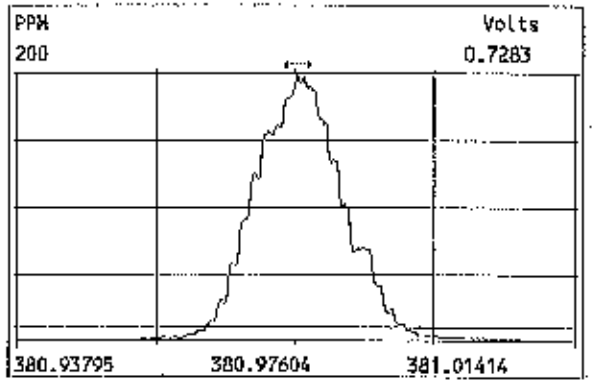
Peak Locate Examination:25-OCT-2006:03:53 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:2 Reference:PFK

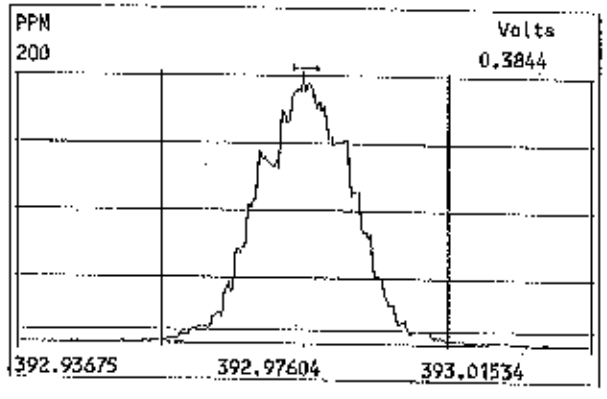


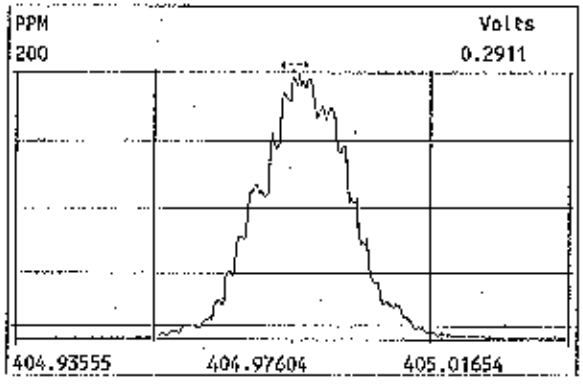


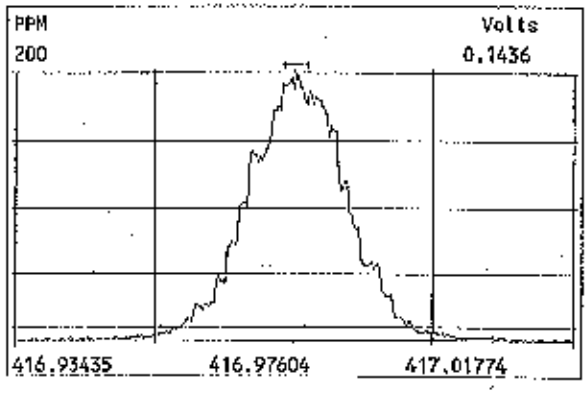




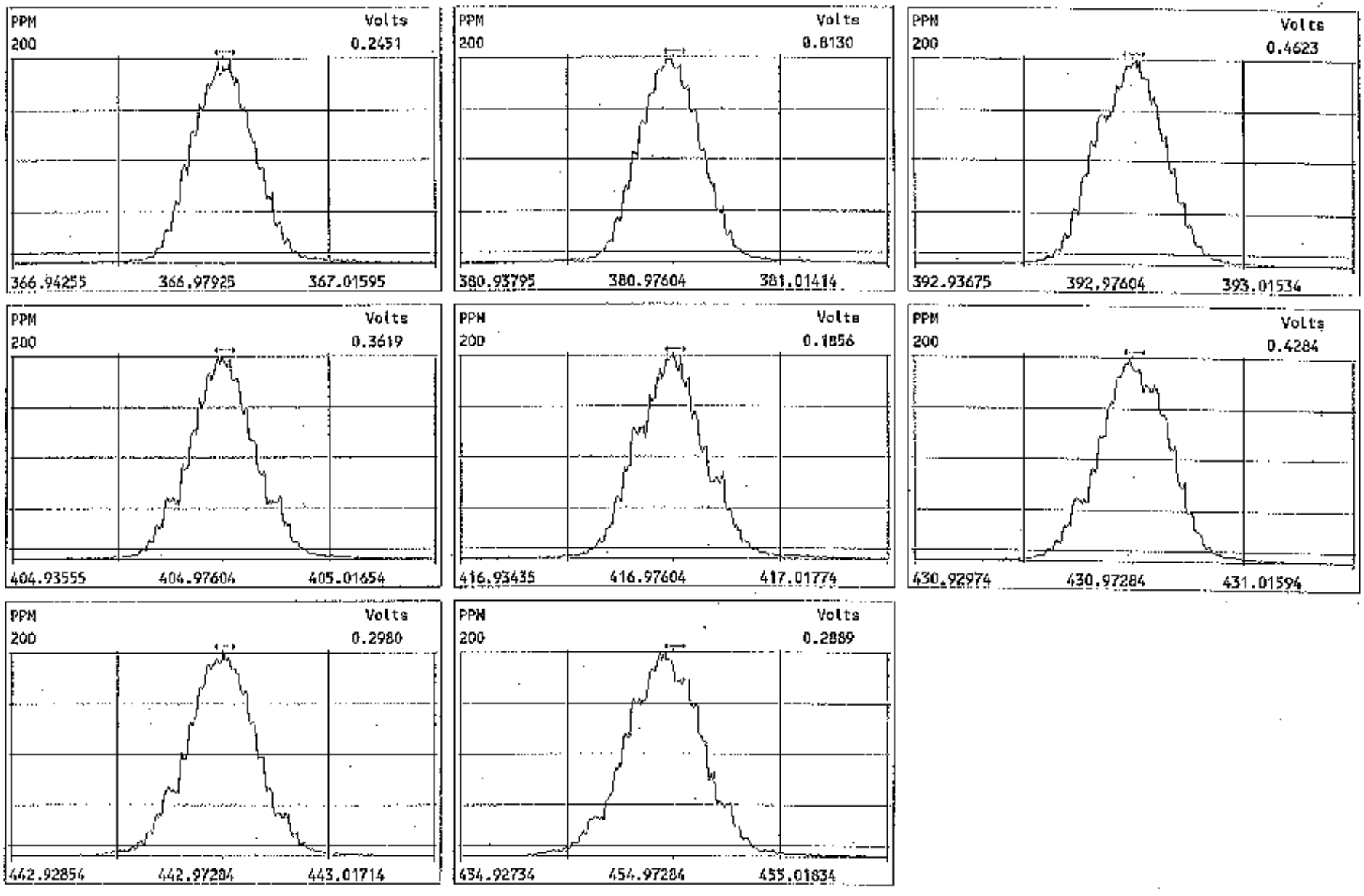




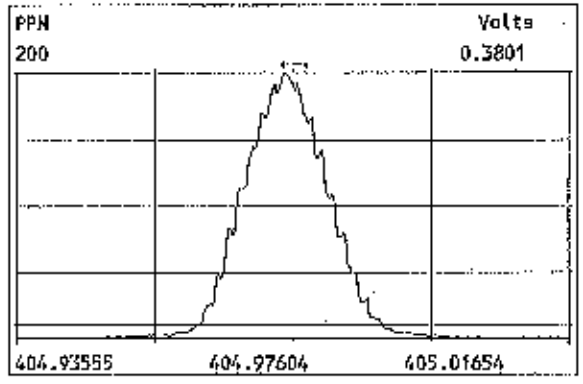


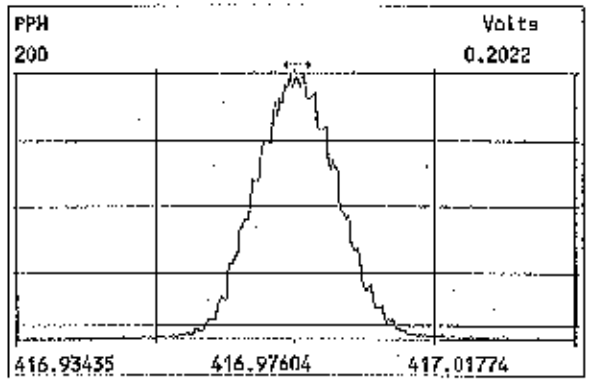


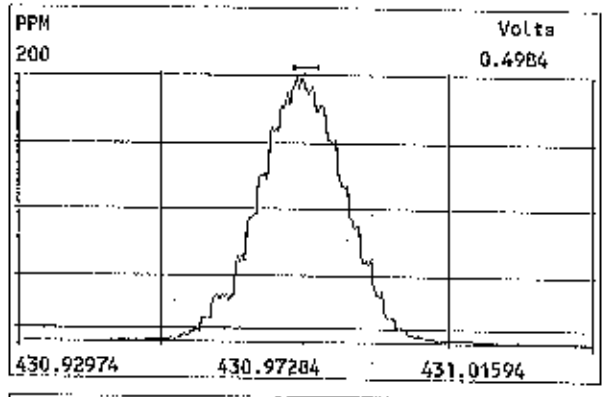
Peak Locate Examination:25-OCT-2006:03:55 File:24OCT06N_RES_CHECK
Experiment:PCDD Function:3 Reference:PFK

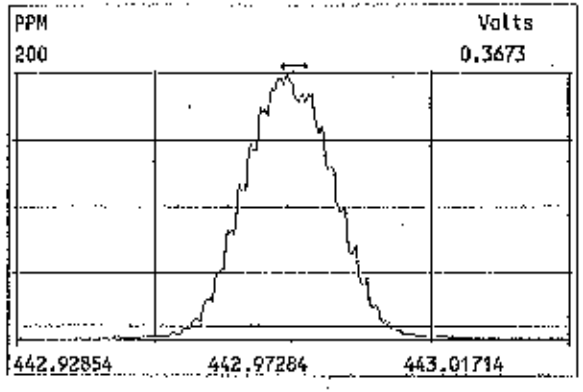


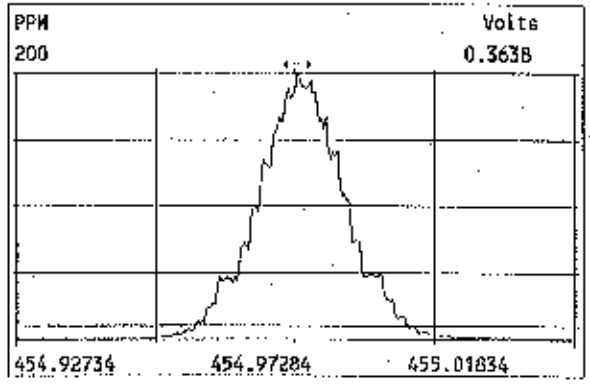
Peak Locate Examination:25-OCT-2006:03:56 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:4 Reference:PFK

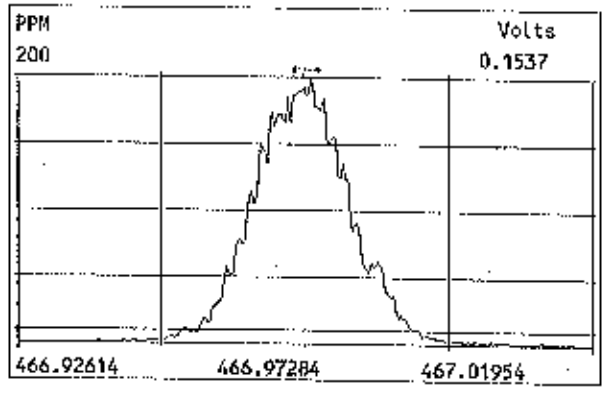


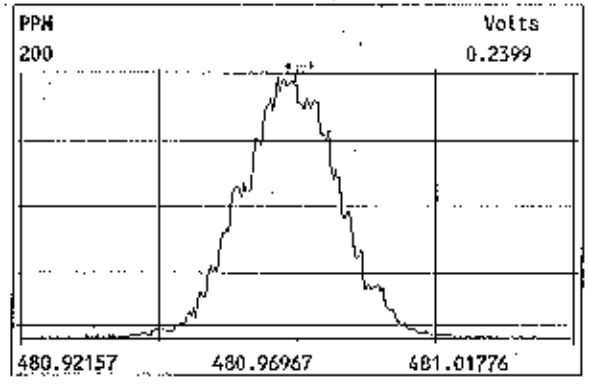




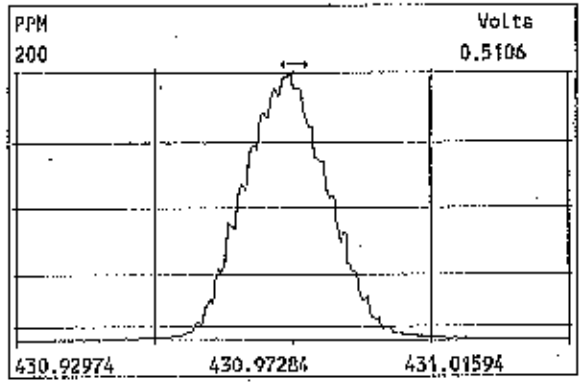


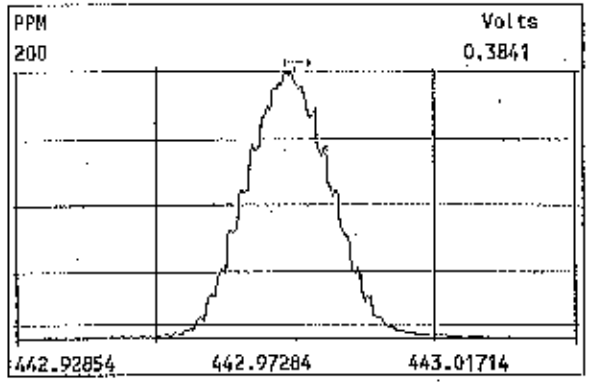


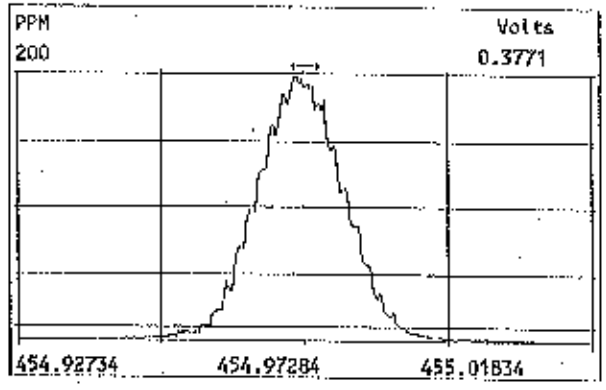


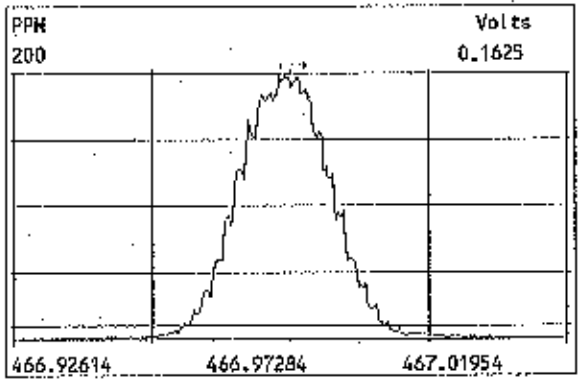


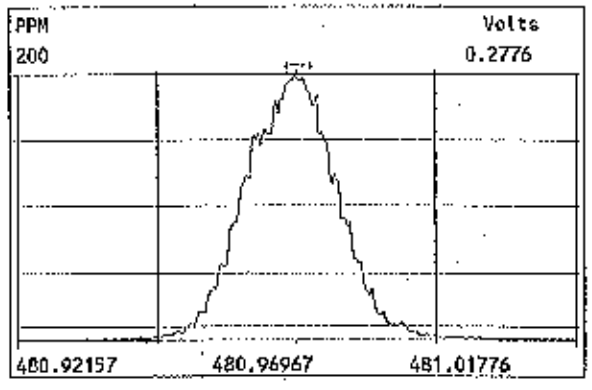
Peak Locate Examination:25-OCT-2006:03:58 File:24OCT06M_RES_CHECK
Experiment:PCDD Function:5 Reference:PFK

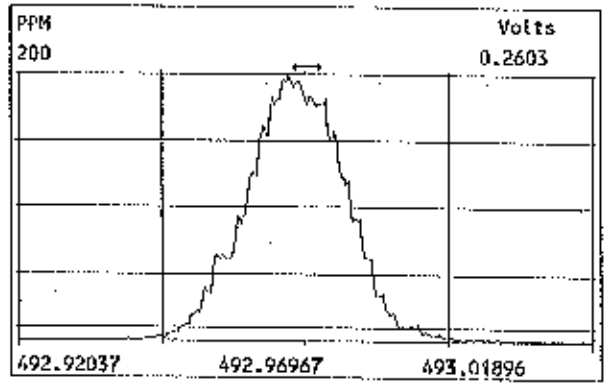


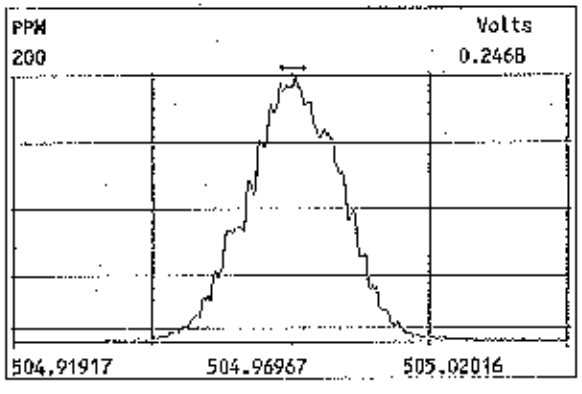


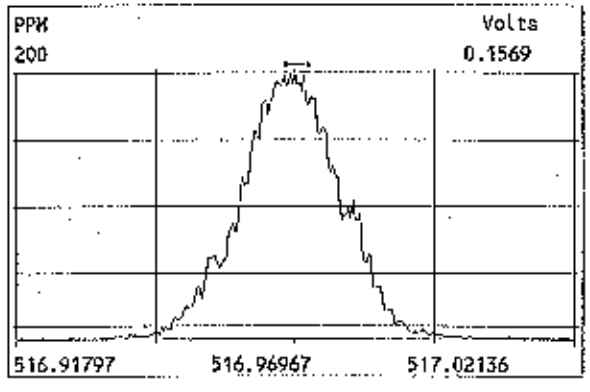




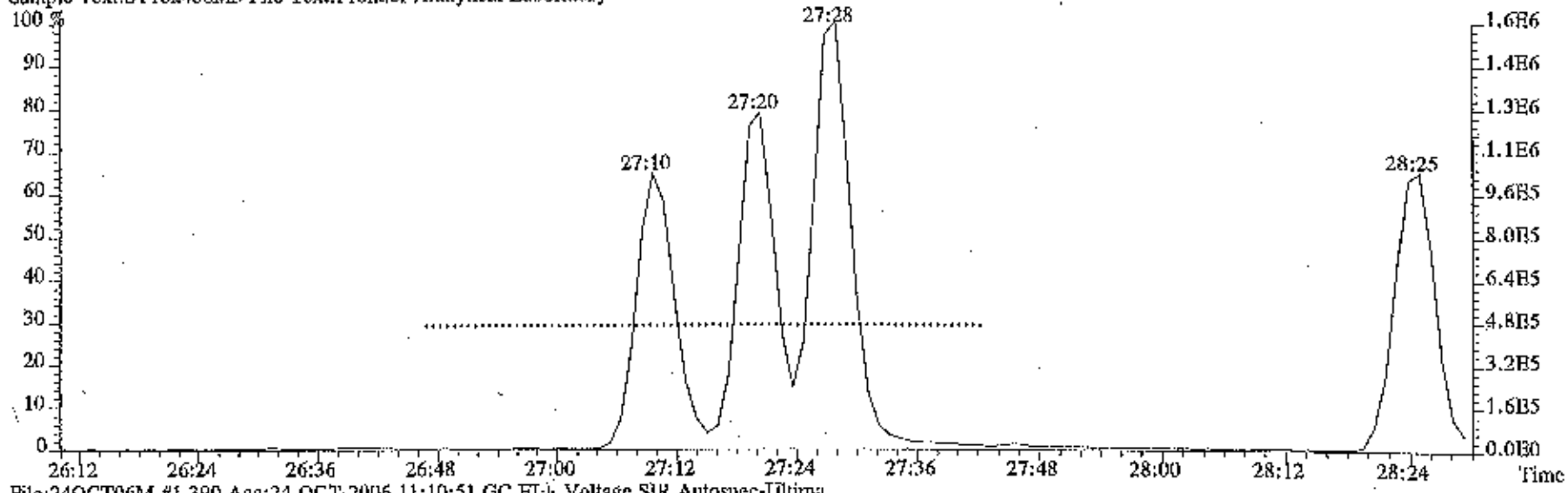




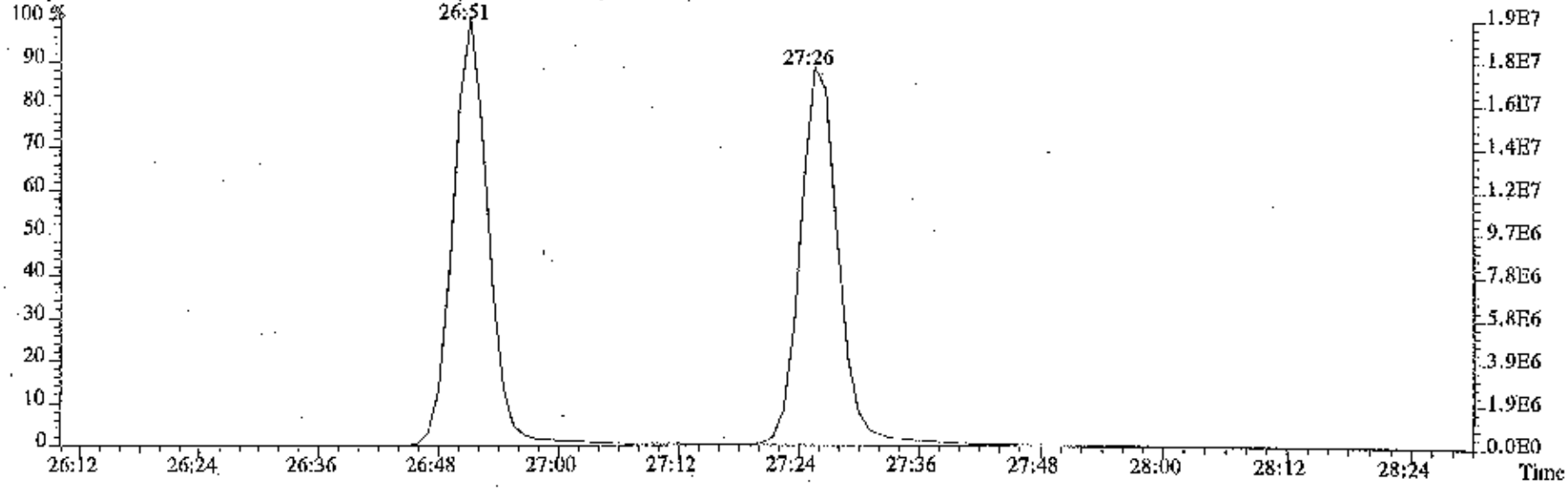




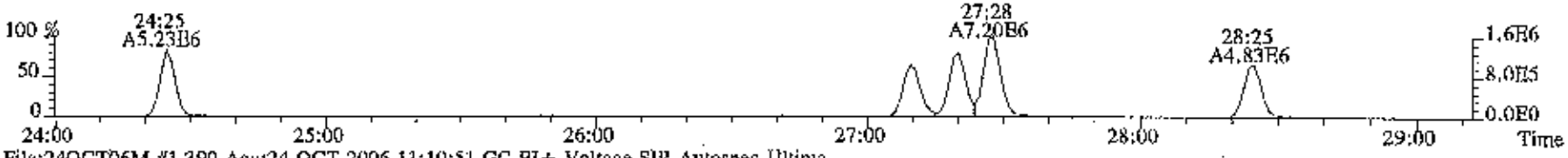
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory



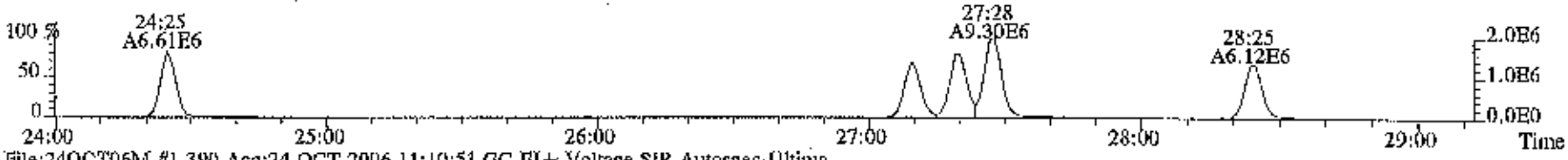
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory



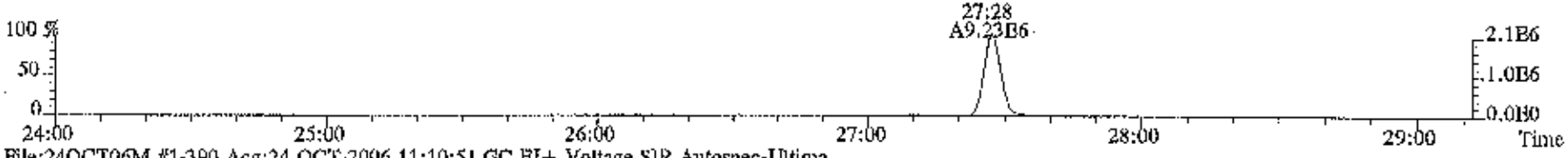
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



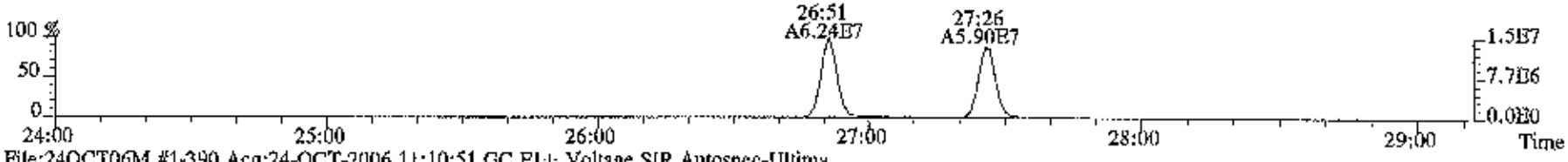
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



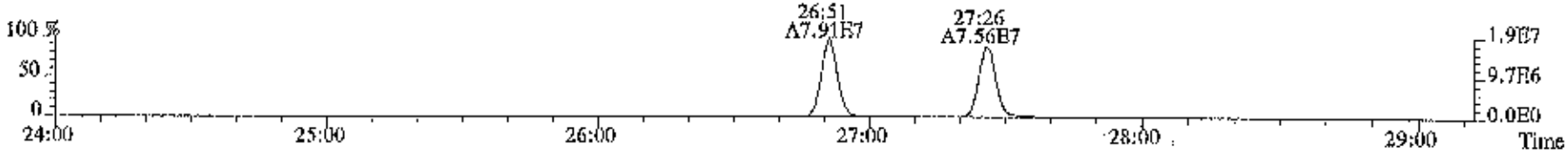
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 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:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS

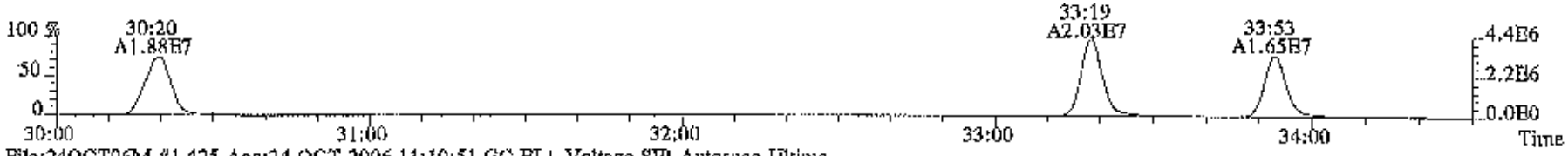


File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS

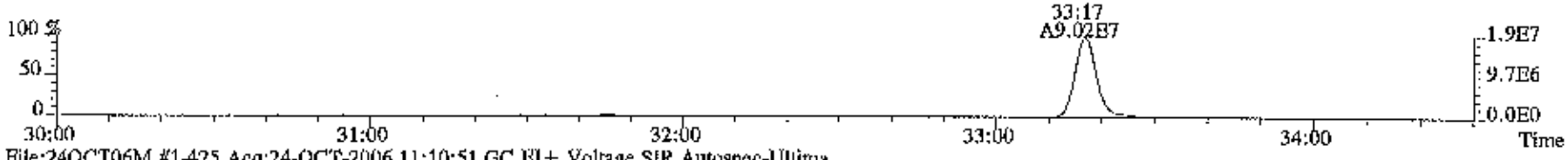


File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS

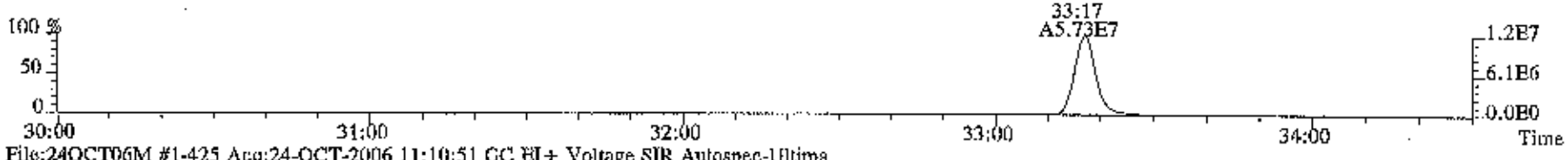
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
357.8517 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



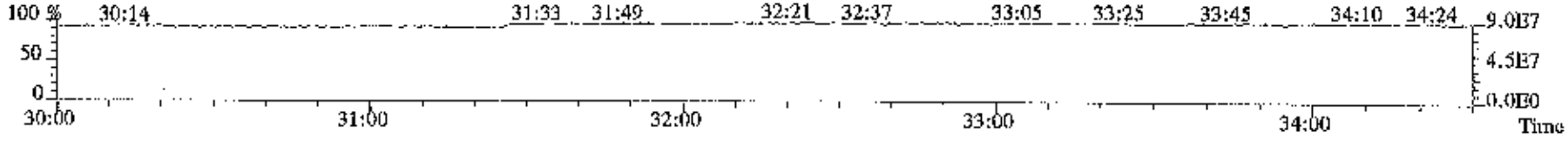
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



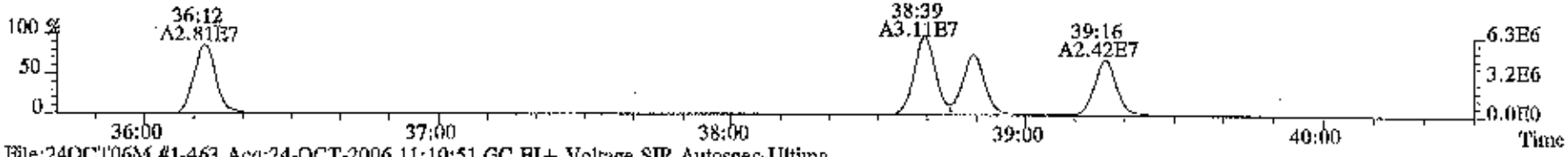
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
369.8919 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



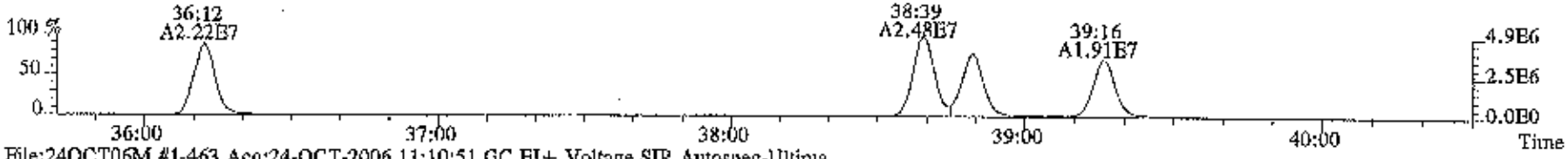
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
366.9792 F:2 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



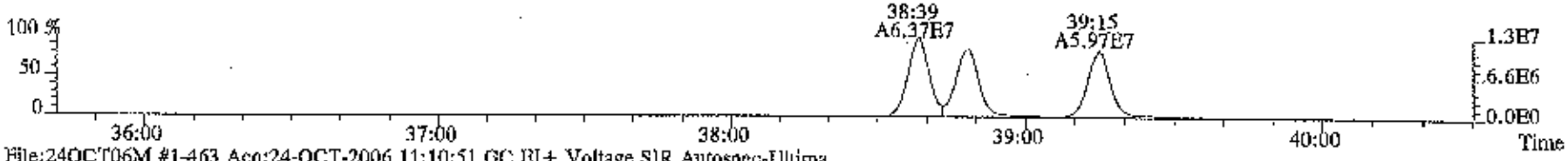
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



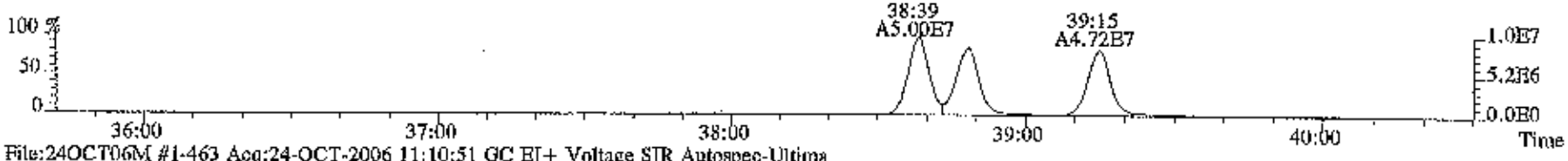
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



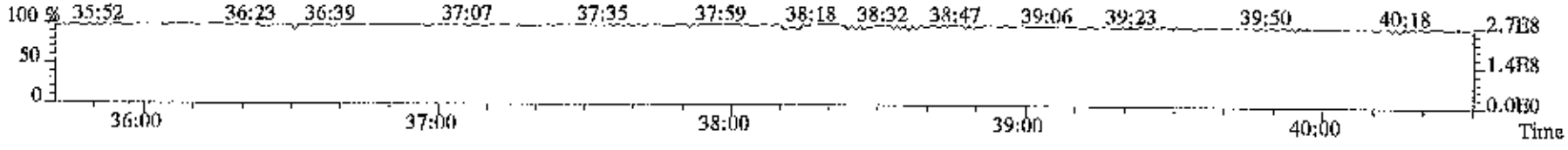
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



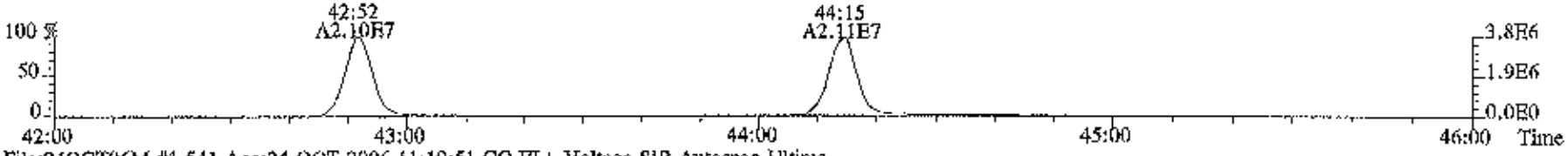
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



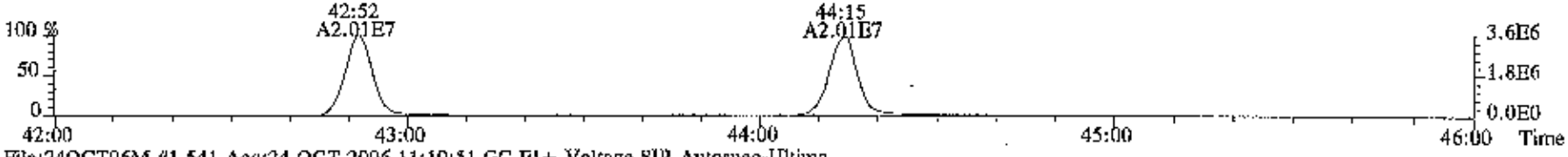
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
380.9760 F:3 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



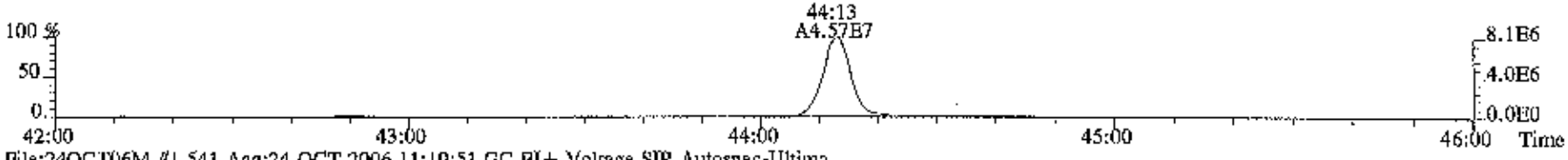
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



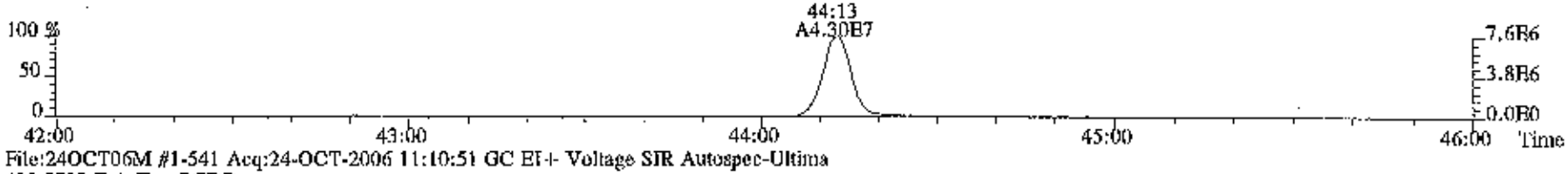
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



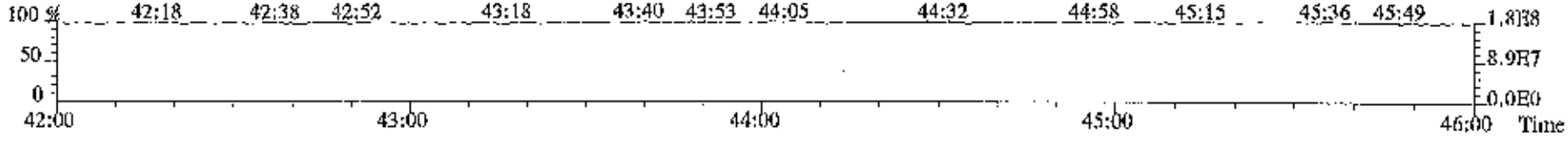
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



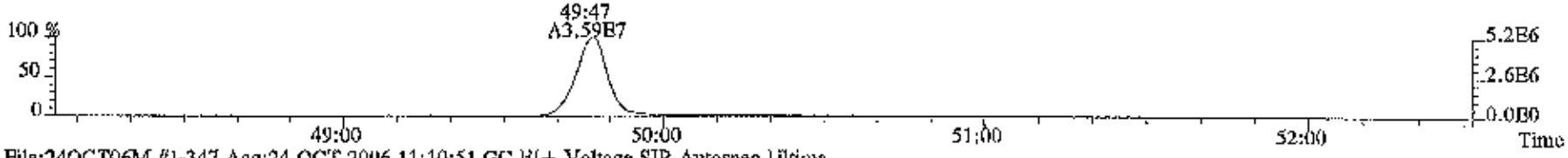
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



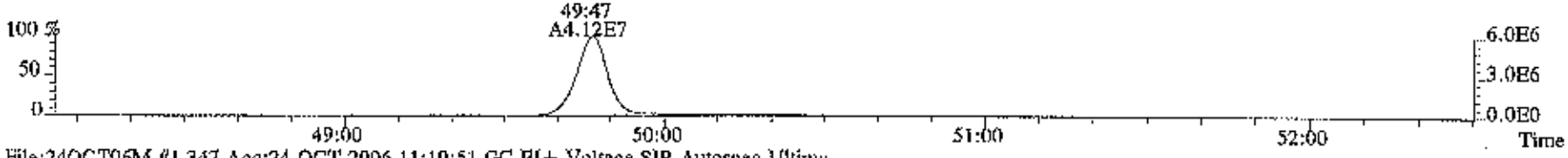
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
430.9728 F:4 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



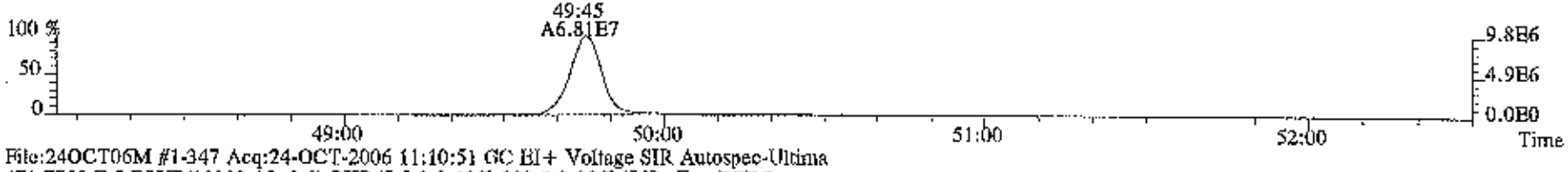
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



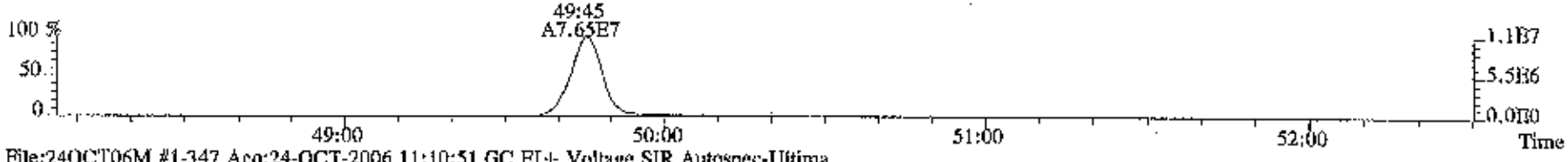
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



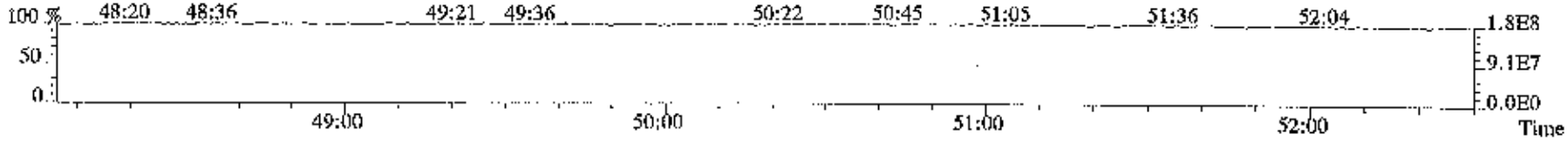
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



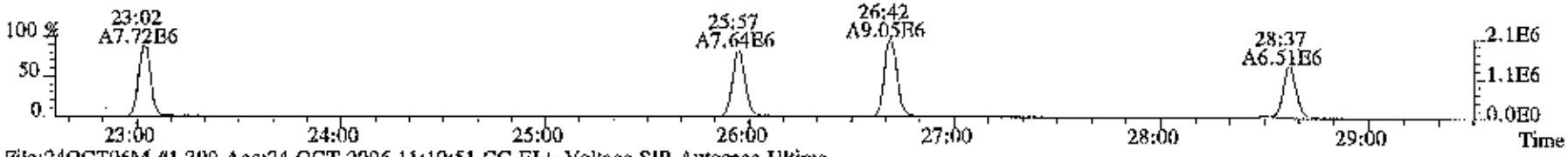
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



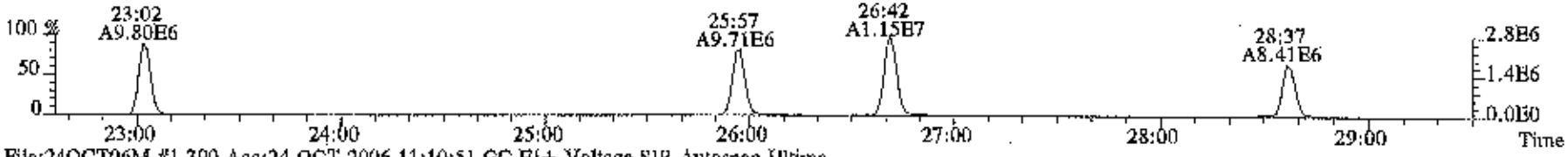
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



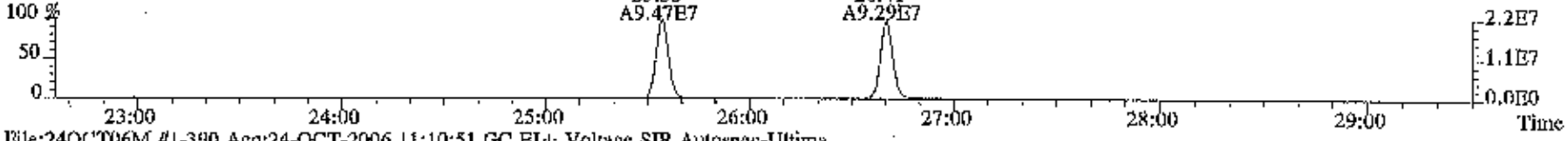
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



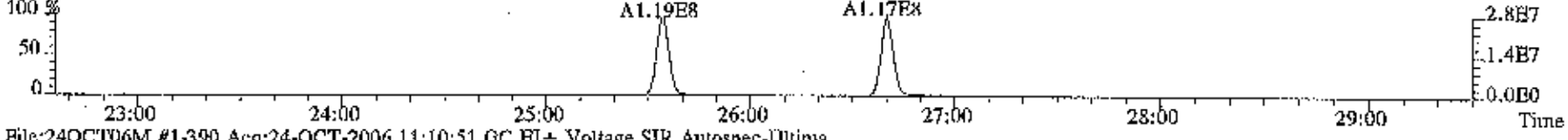
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



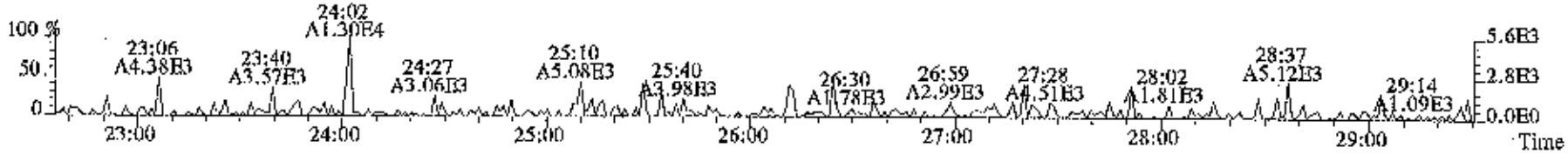
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



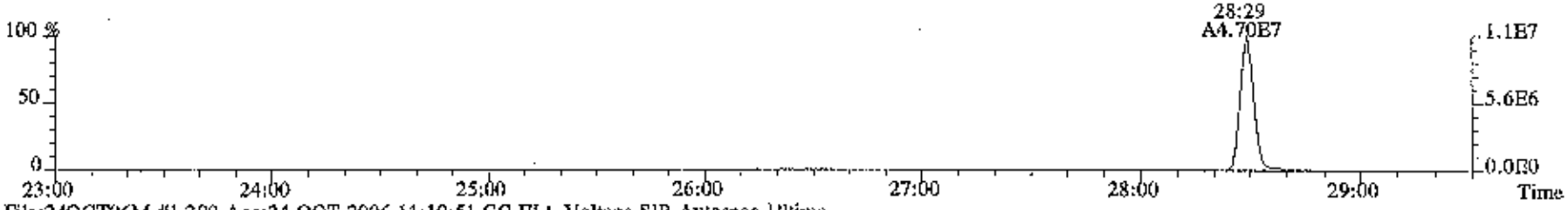
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



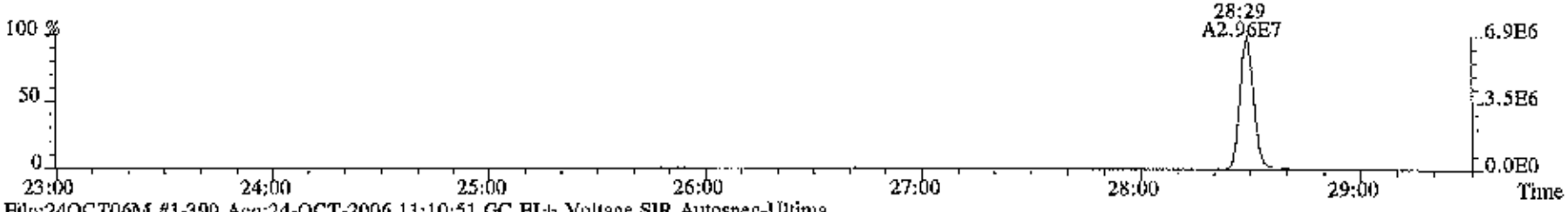
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



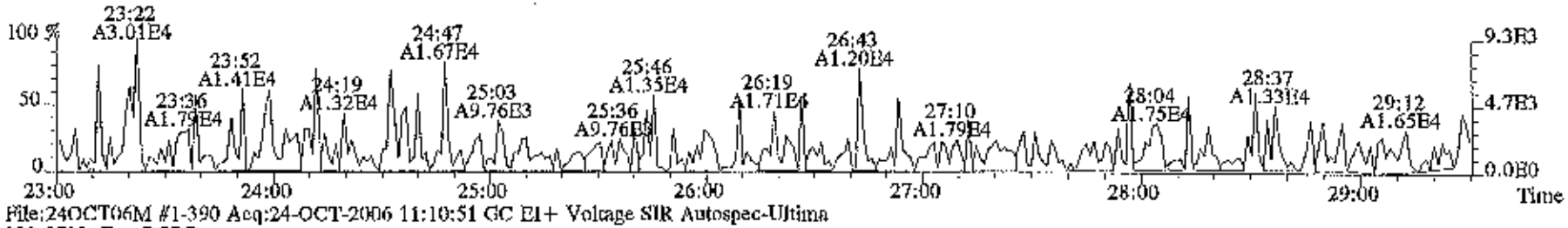
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



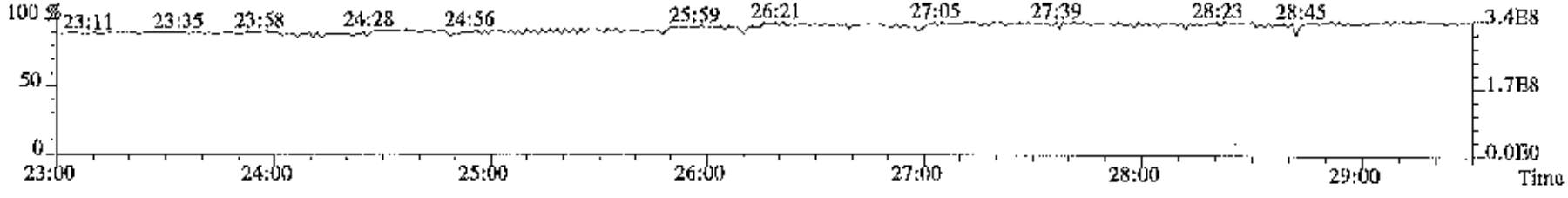
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



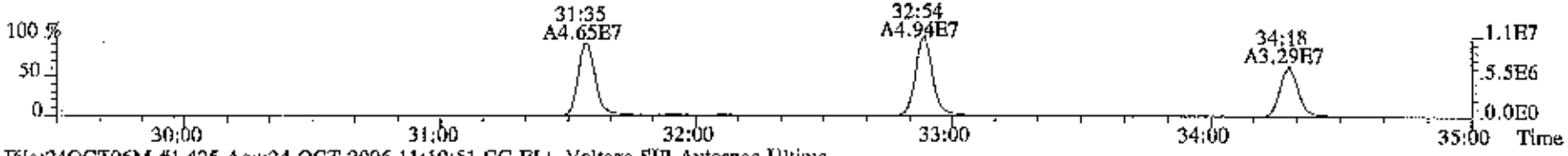
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



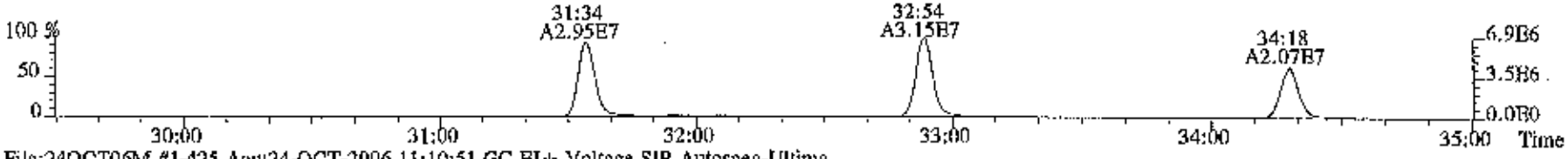
File:24OCT06M #1-390 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
330.9792 Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



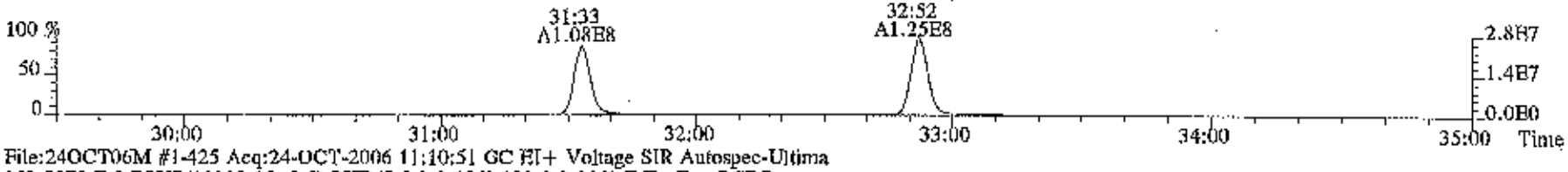
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



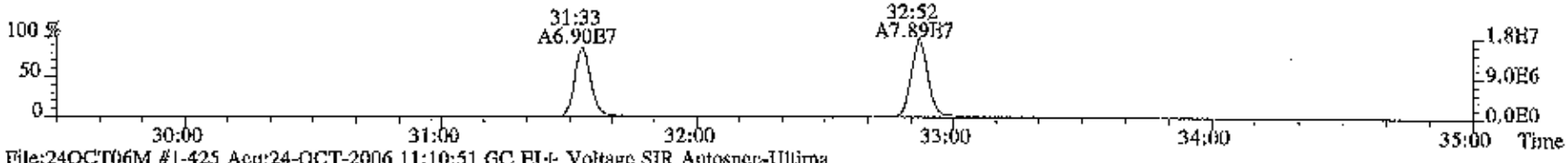
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



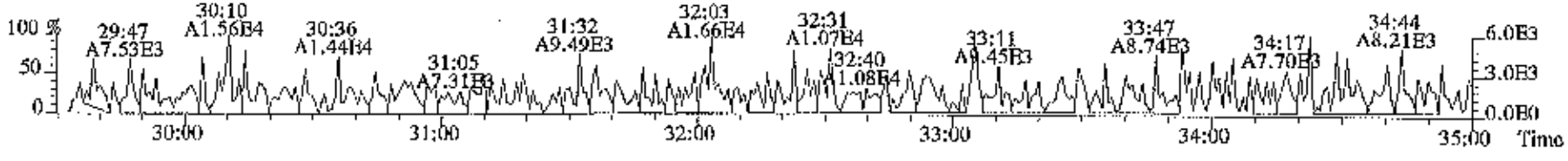
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



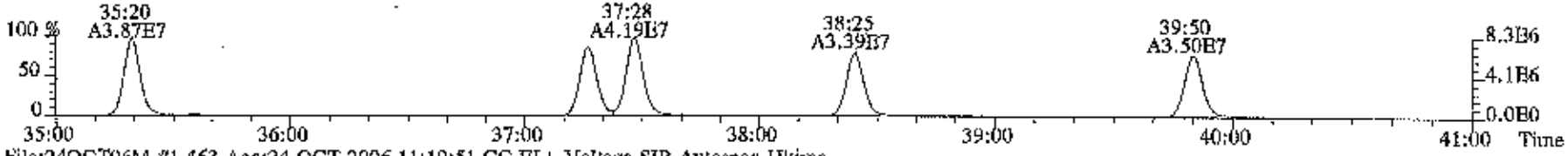
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



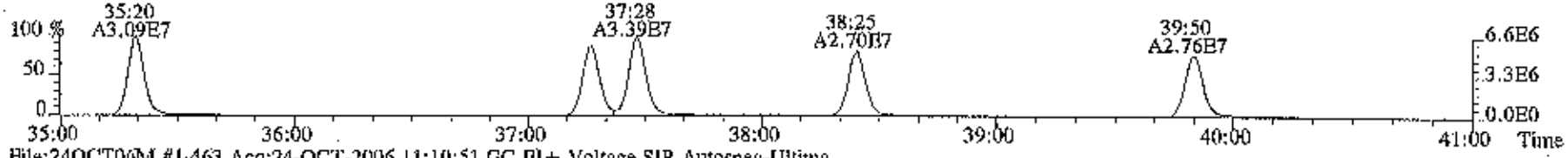
File:24OCT06M #1-425 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



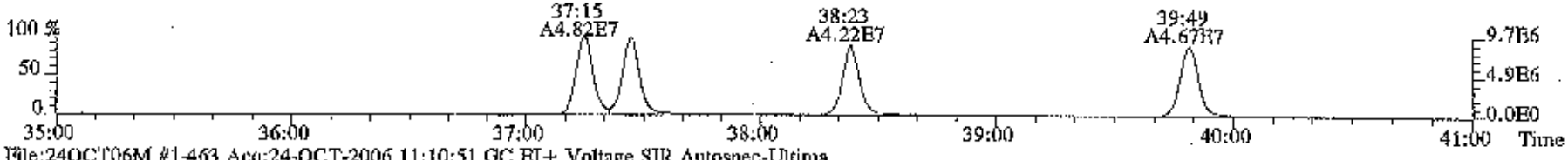
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



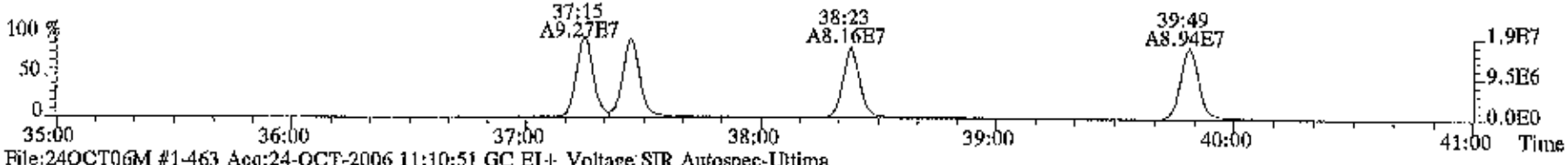
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



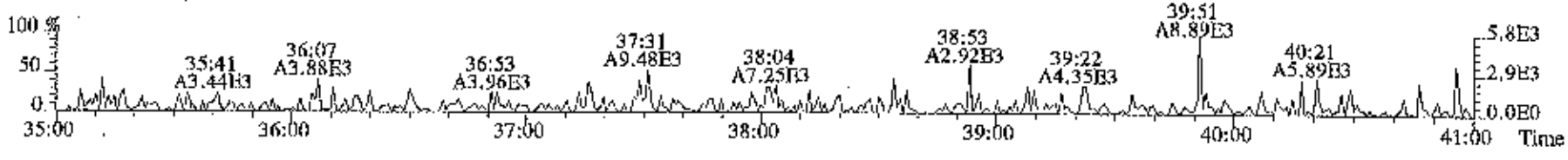
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



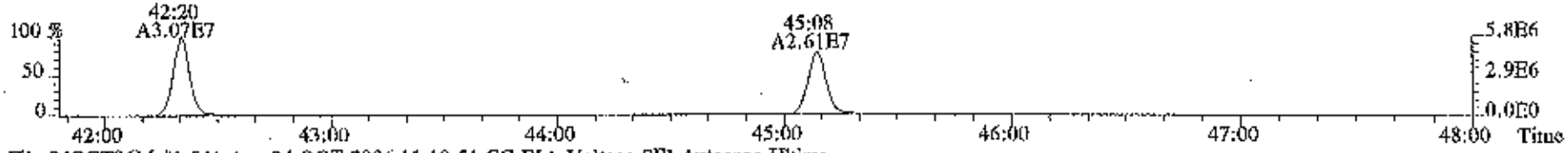
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



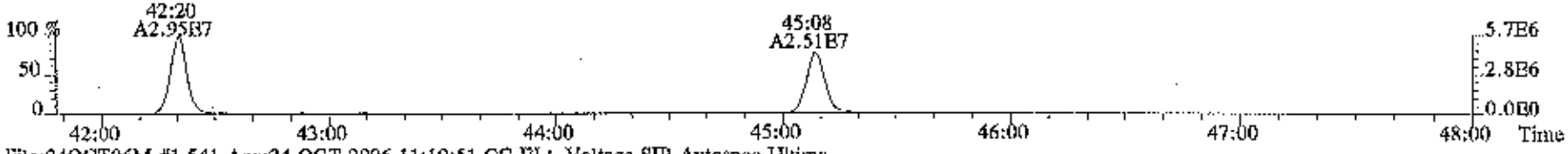
File:24OCT06M #1-463 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



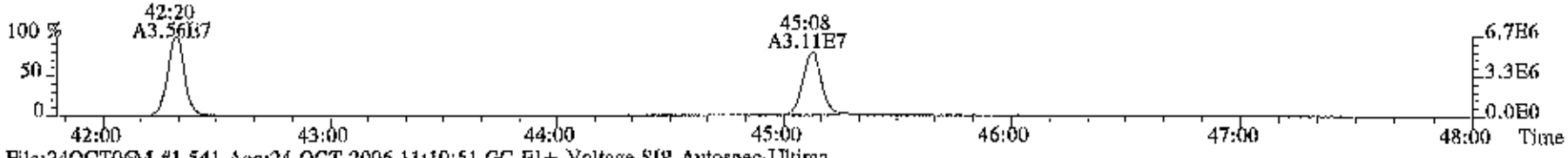
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



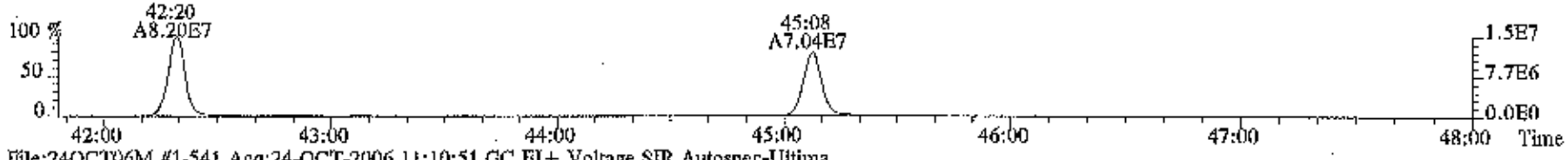
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



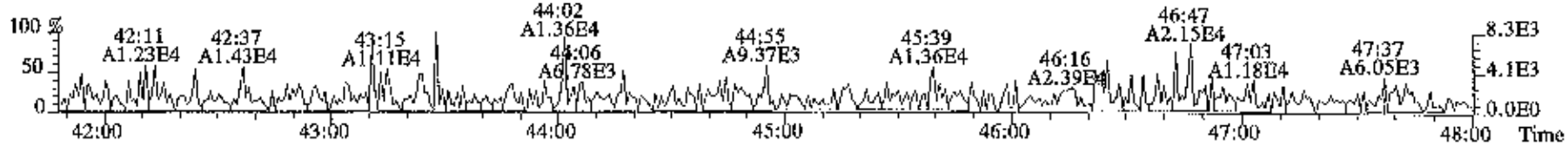
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



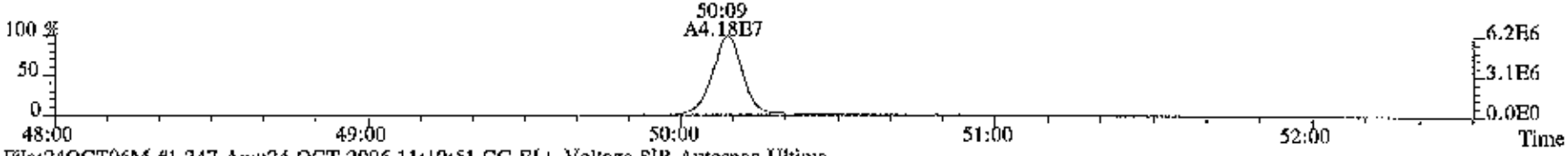
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



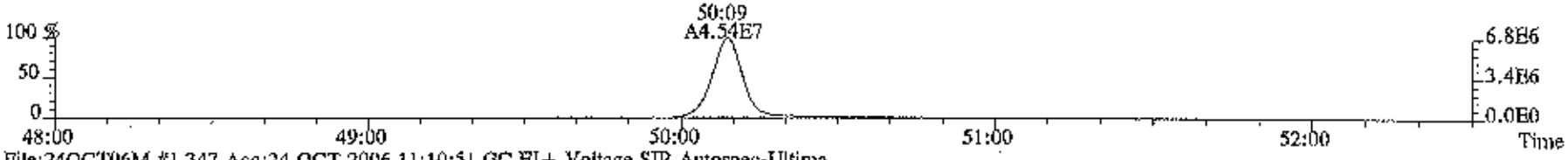
File:24OCT06M #1-541 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



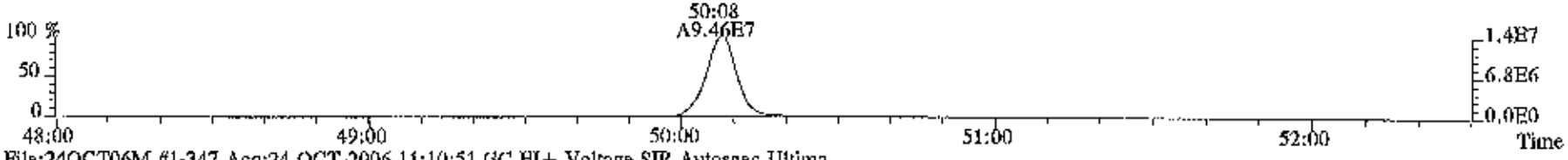
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



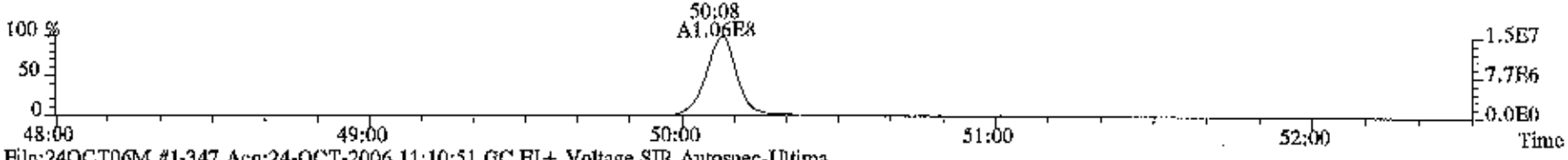
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



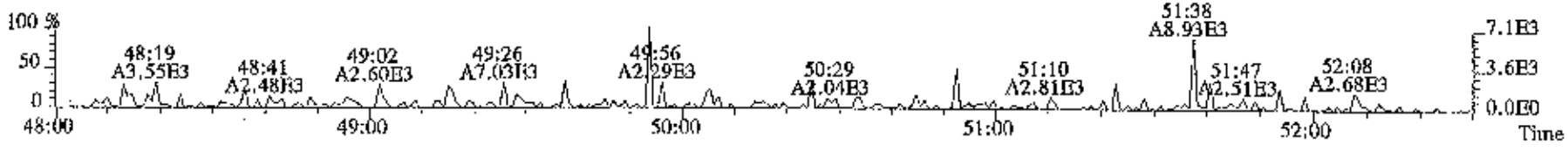
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



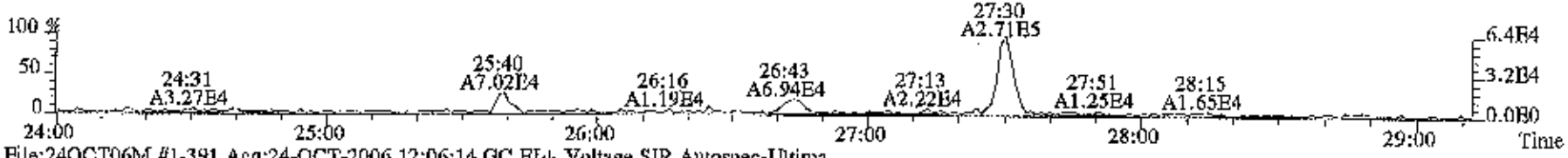
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



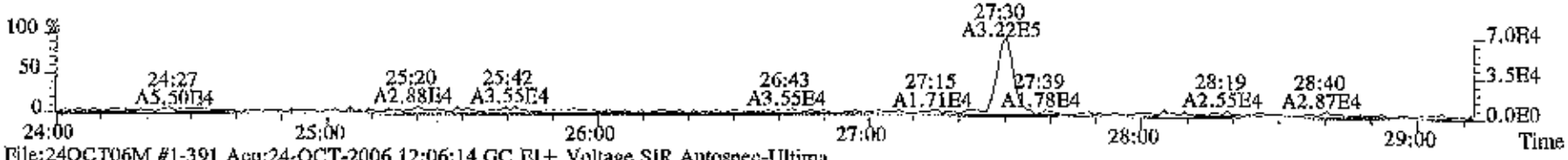
File:24OCT06M #1-347 Acq:24-OCT-2006 11:10:51 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M3 File Text:Frontier Analytical Laboratory Analyst ID:BS



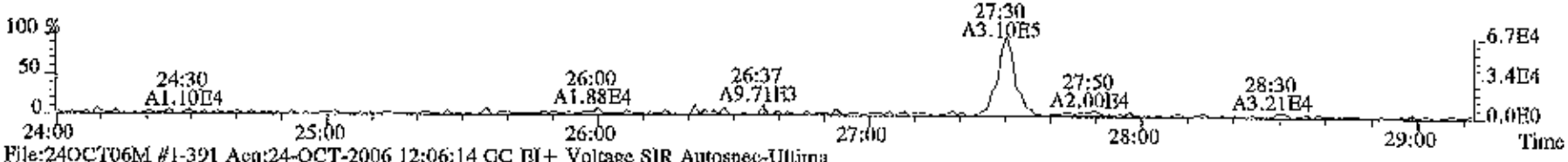
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



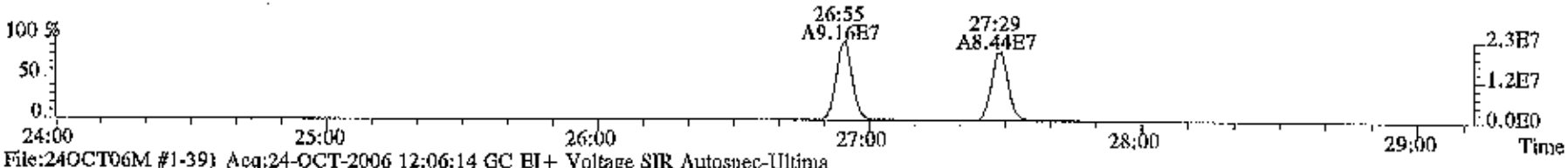
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



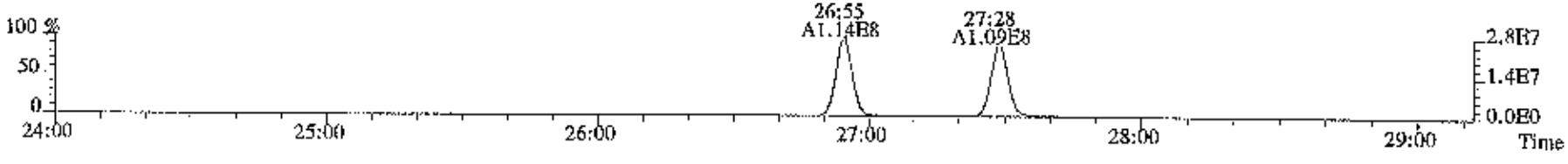
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



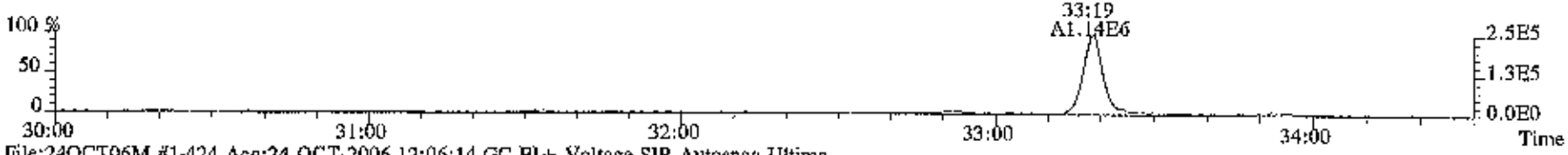
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



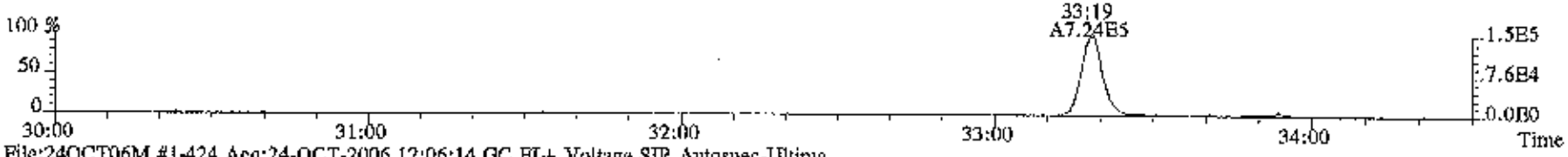
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



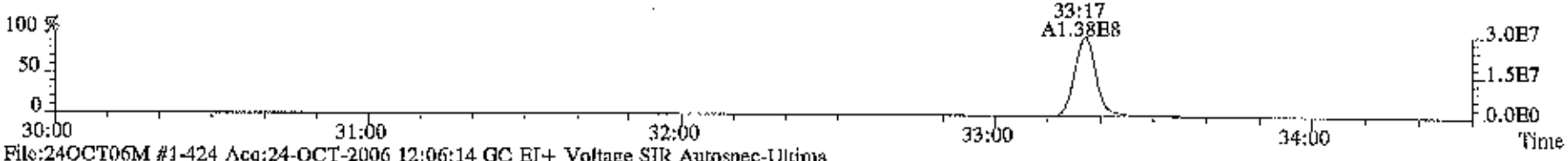
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



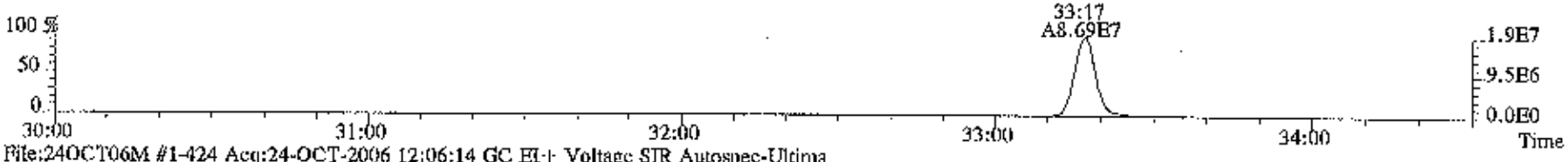
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



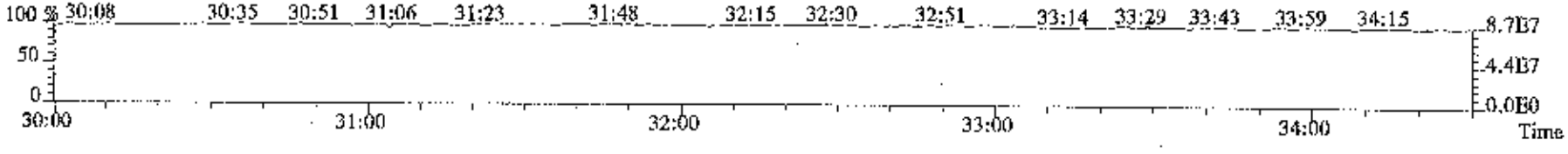
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



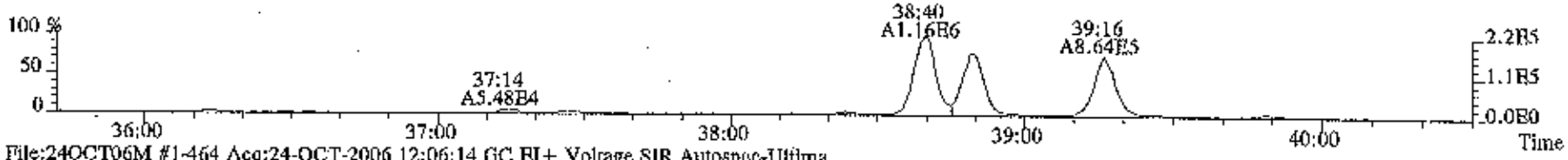
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



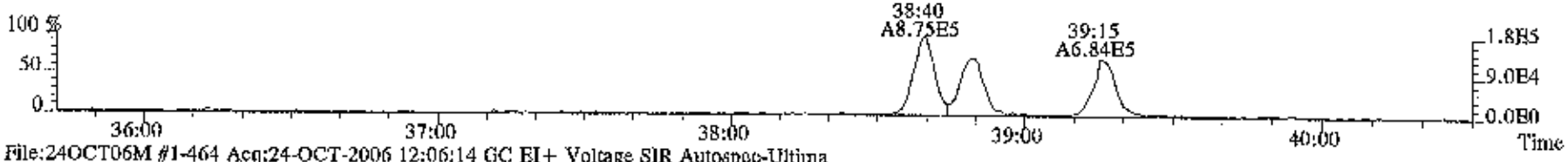
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



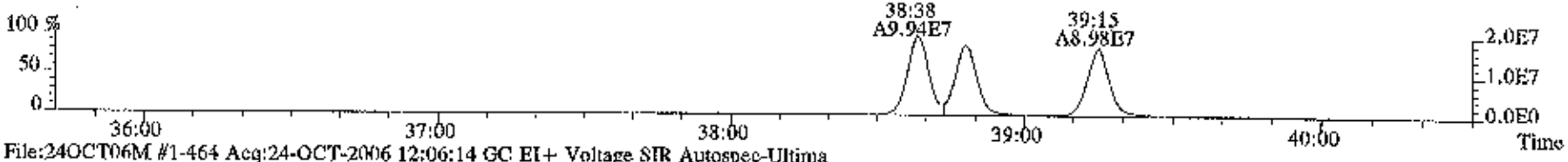
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



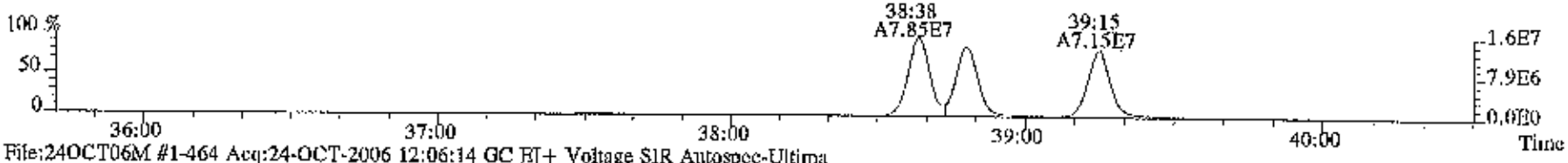
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



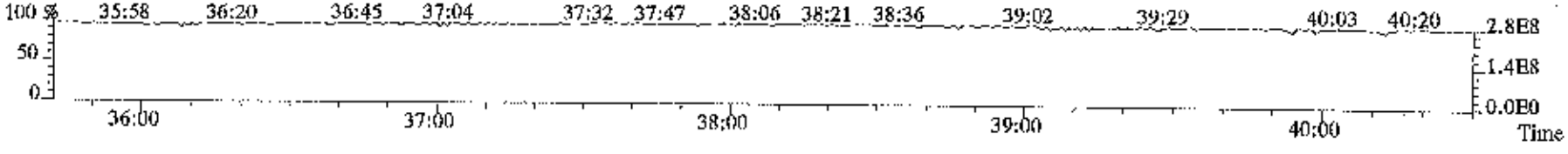
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



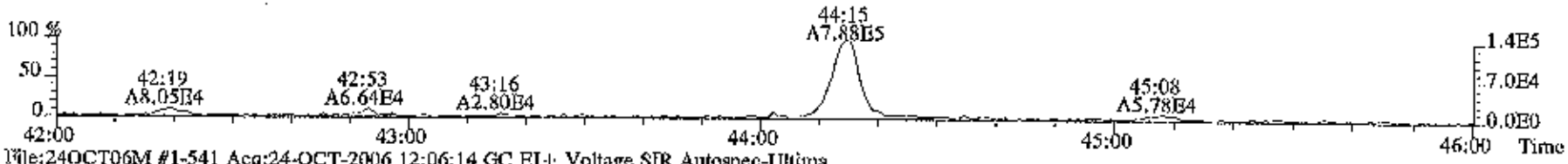
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



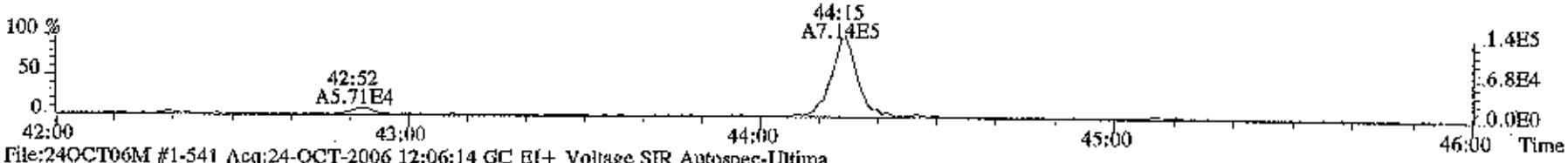
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:2 F:3 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



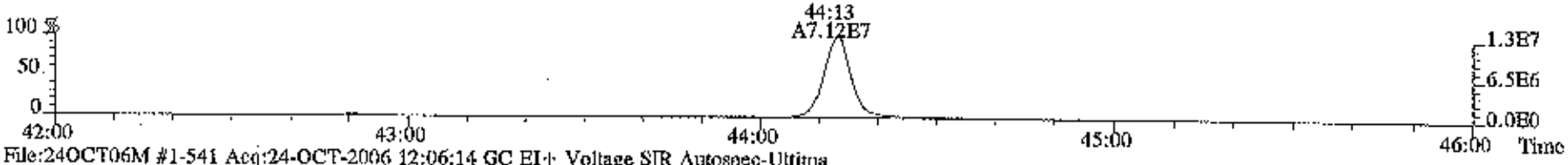
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



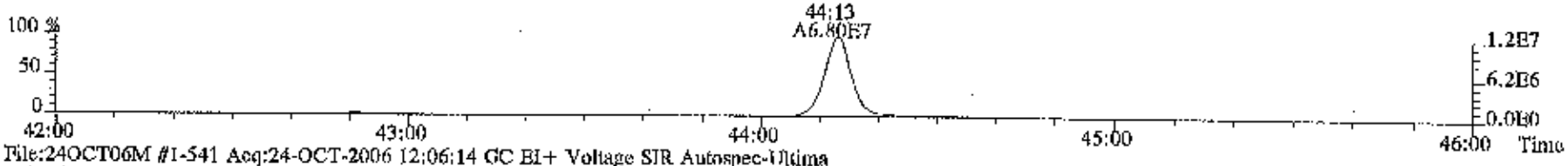
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



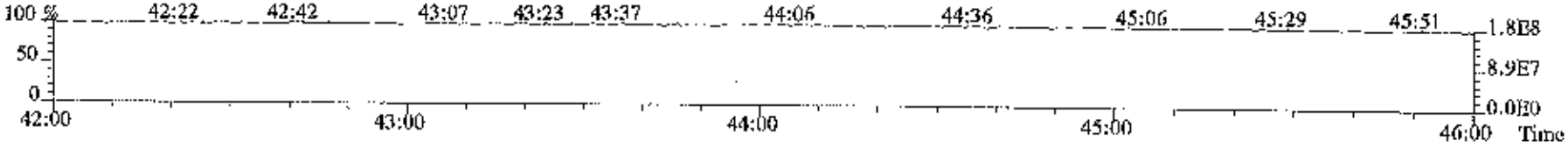
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



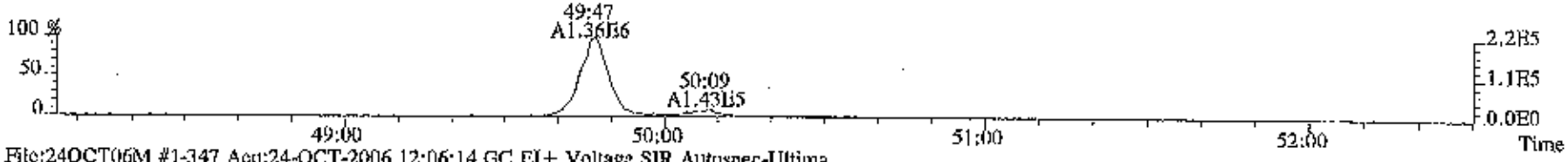
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 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:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



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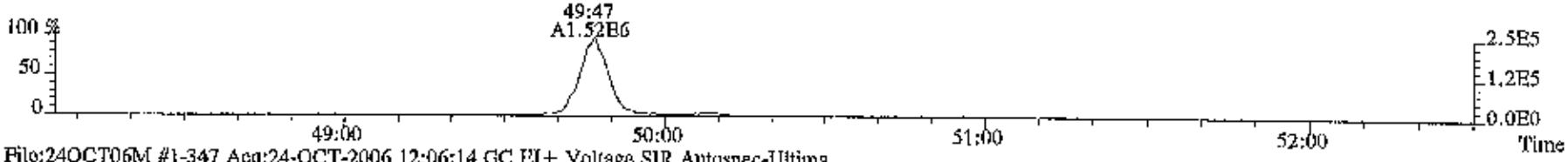
459.7348 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



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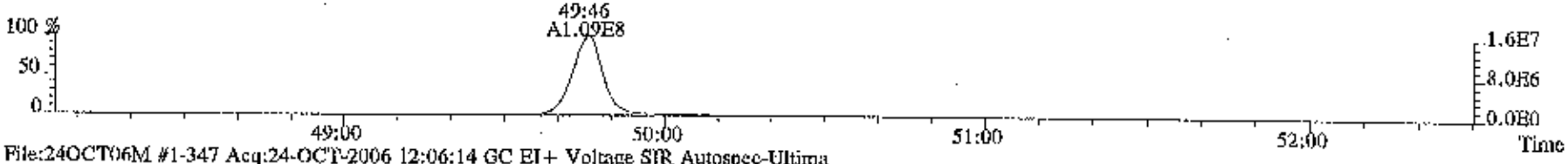
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



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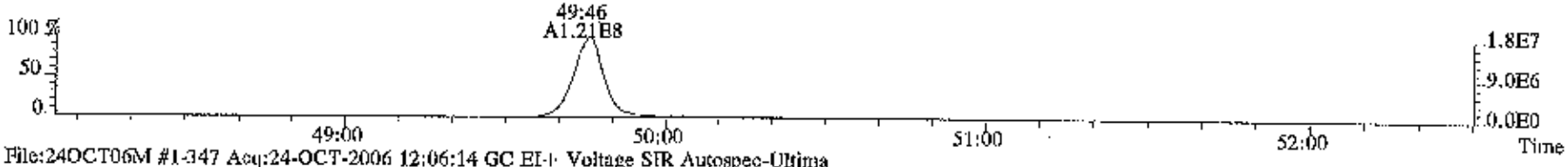
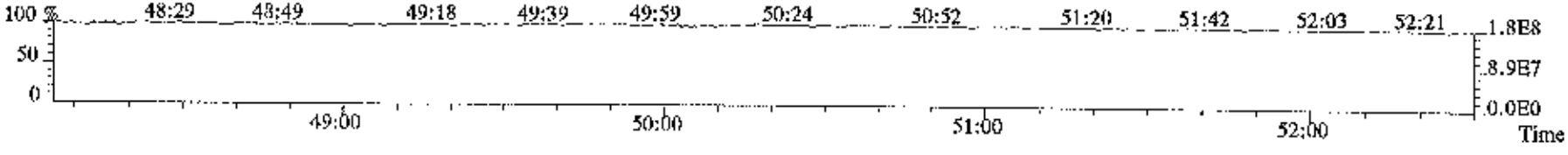
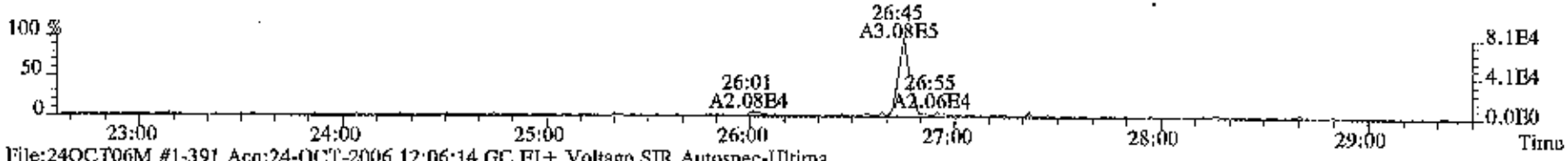
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



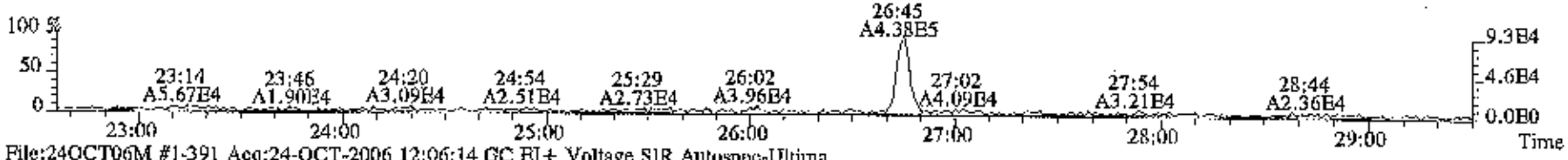
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 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:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 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:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



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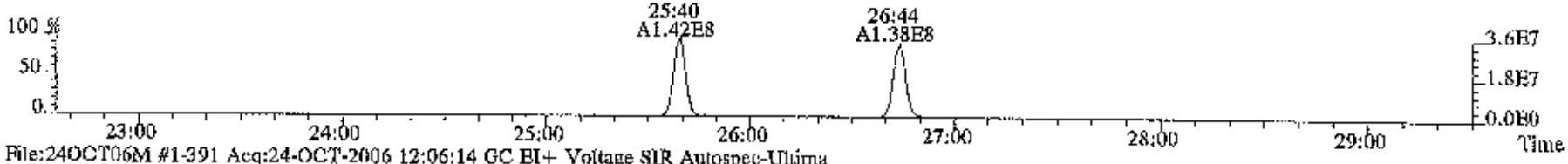
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



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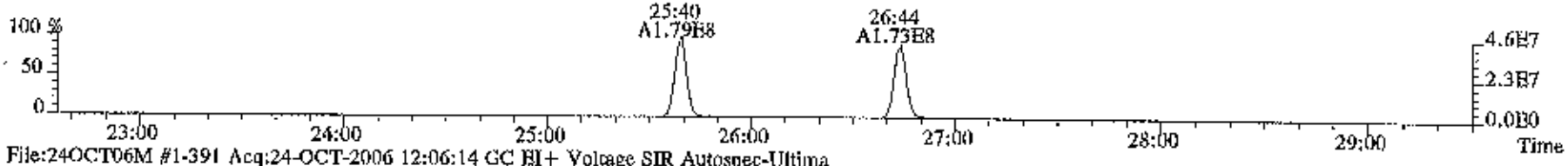
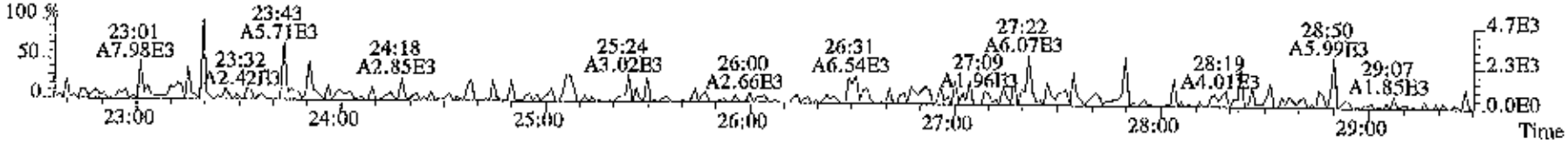
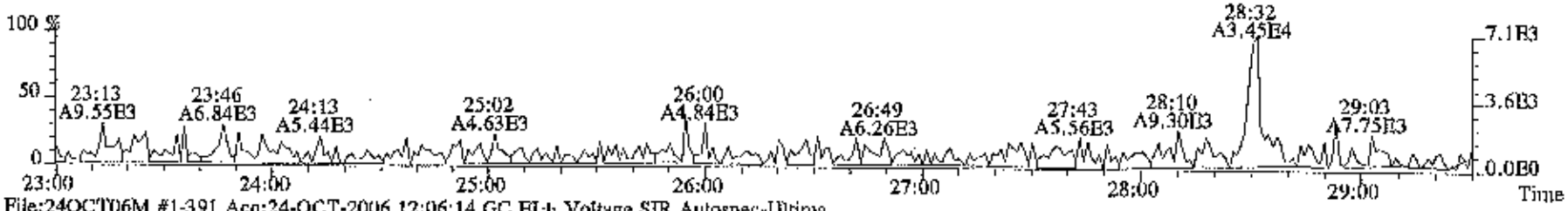
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



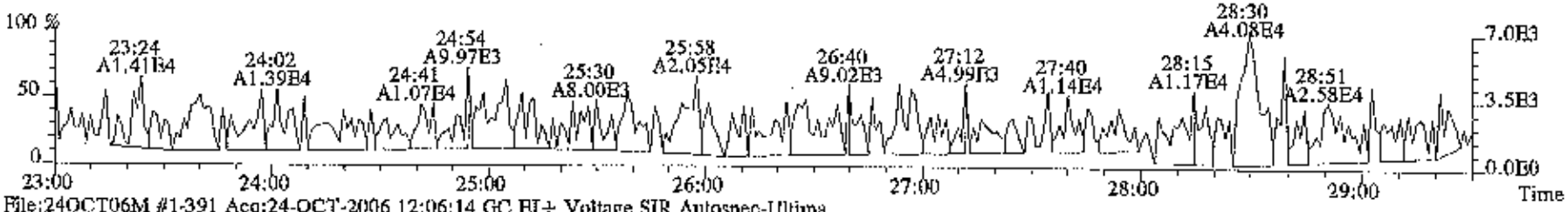
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



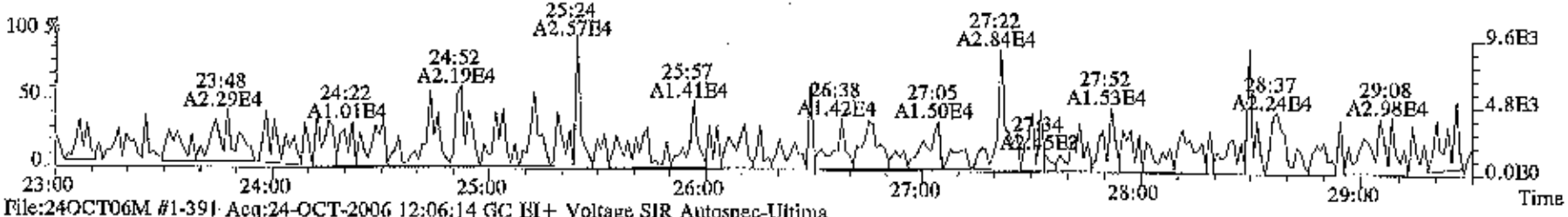
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



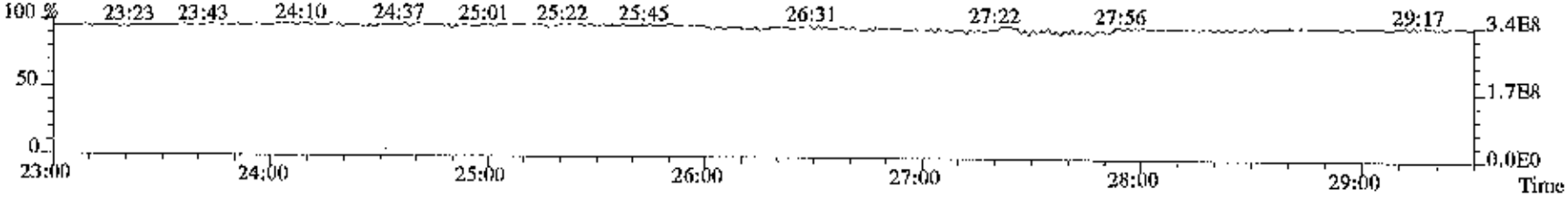
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



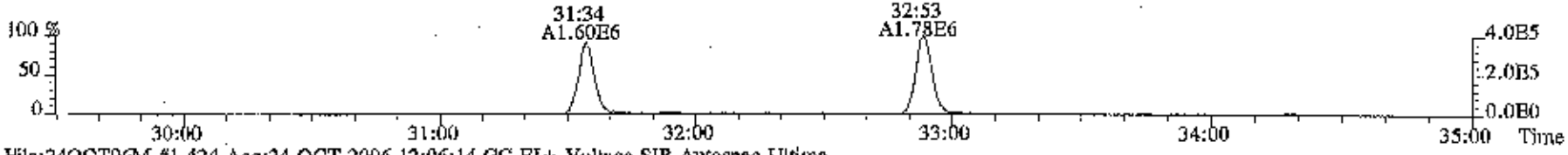
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



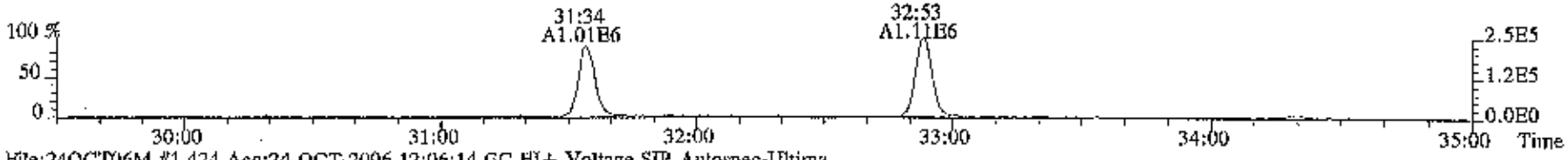
File:24OCT06M #1-391 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:2 Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



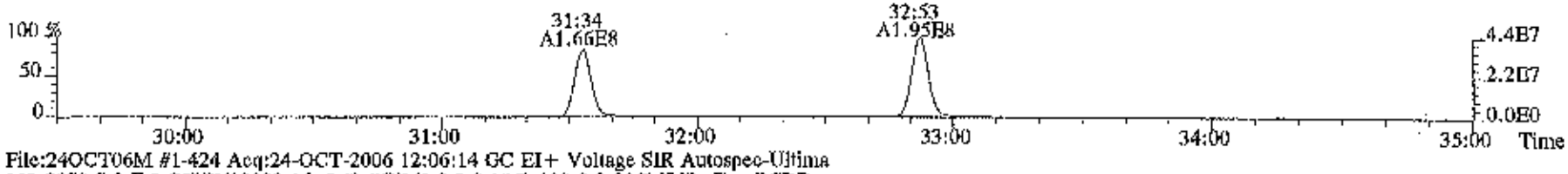
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



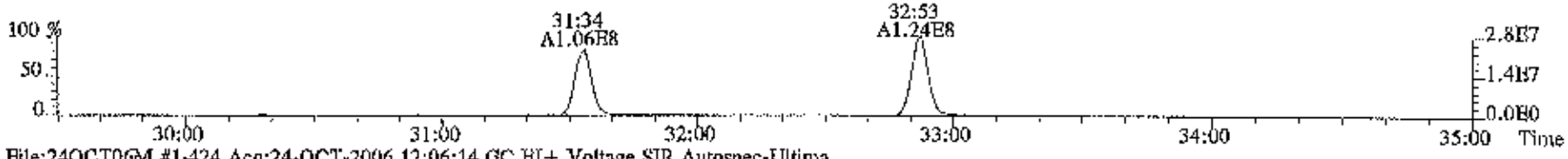
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



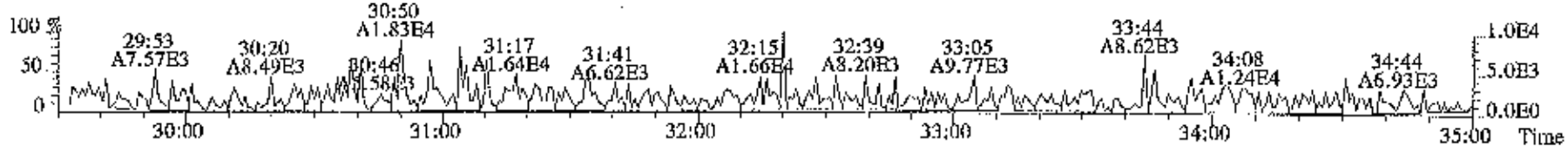
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



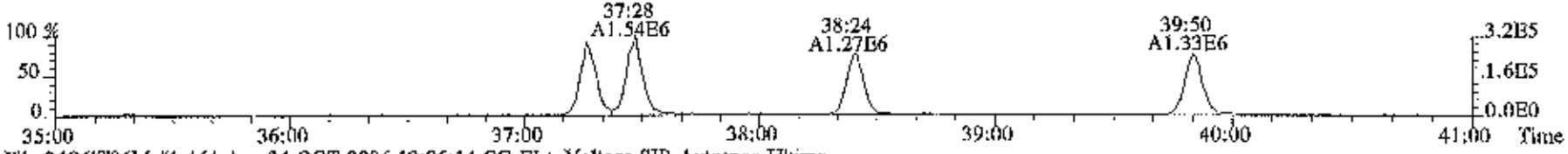
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



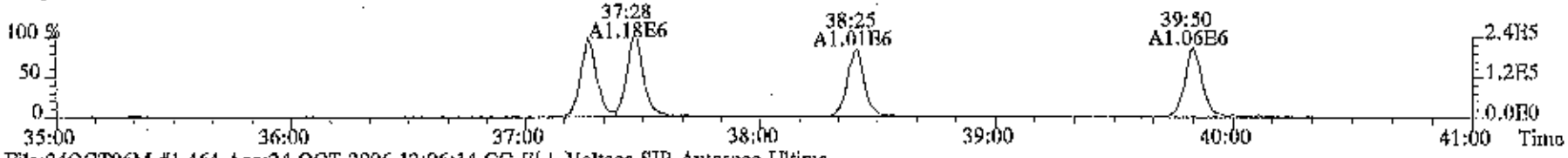
File:24OCT06M #1-424 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



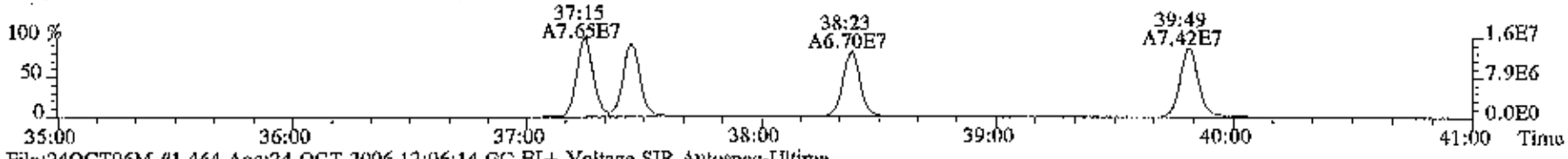
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



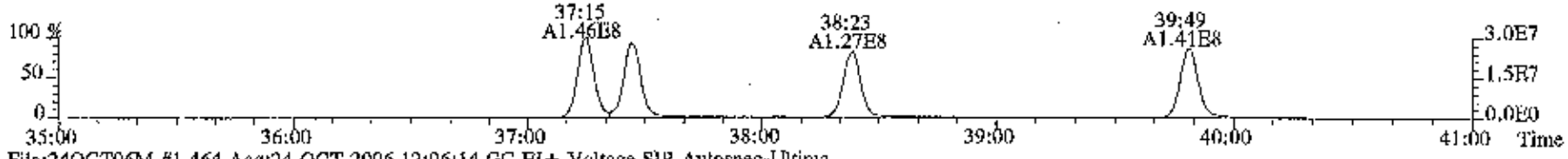
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



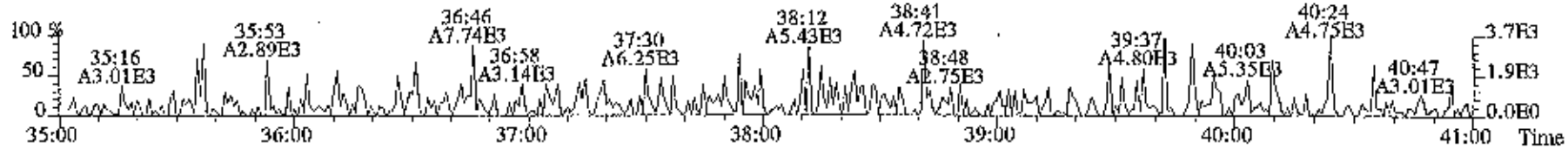
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



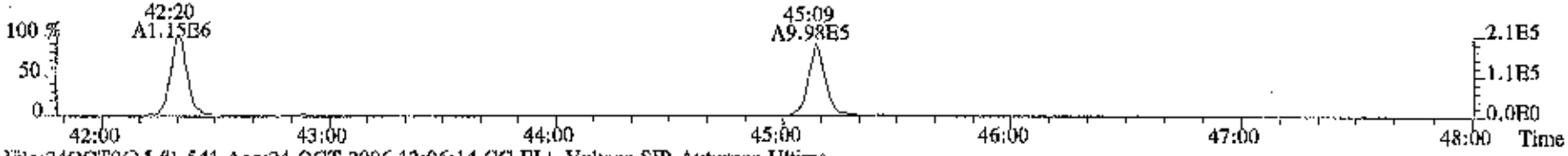
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



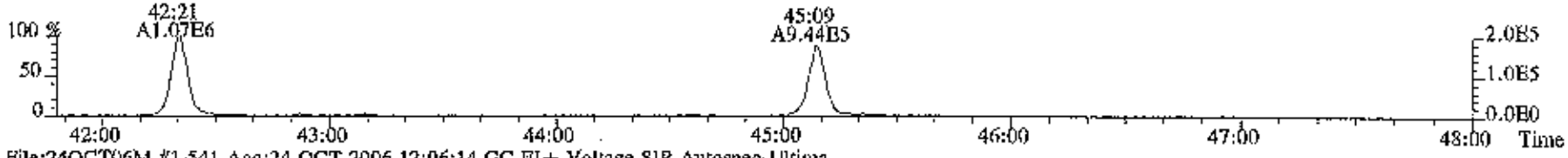
File:24OCT06M #1-464 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



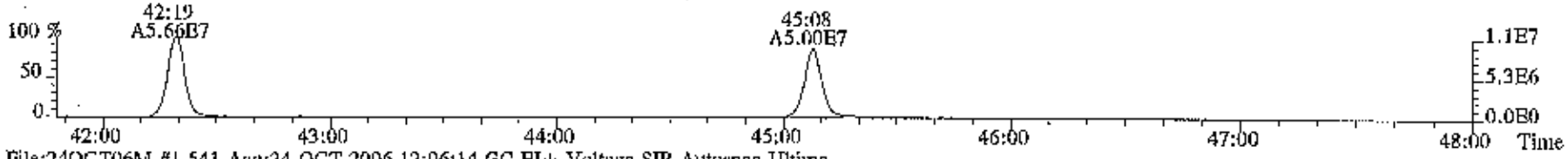
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



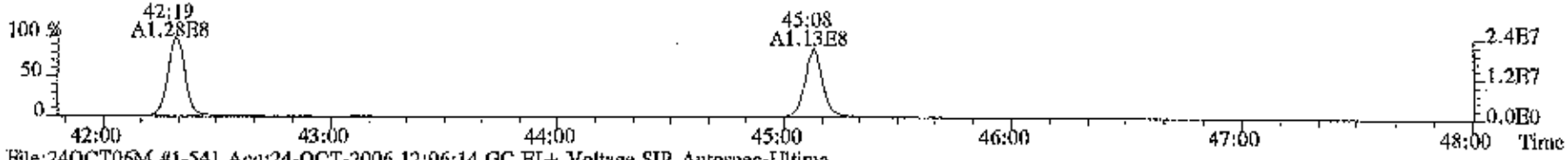
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



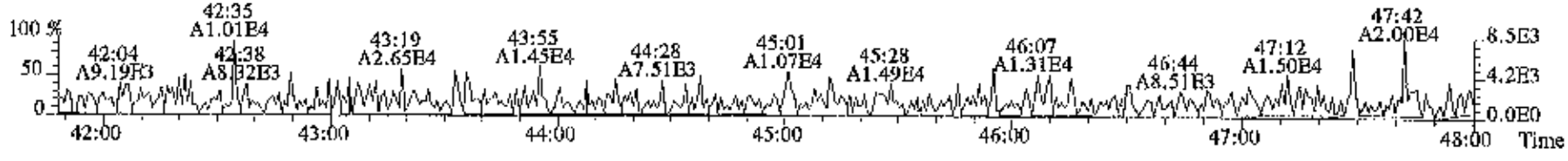
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



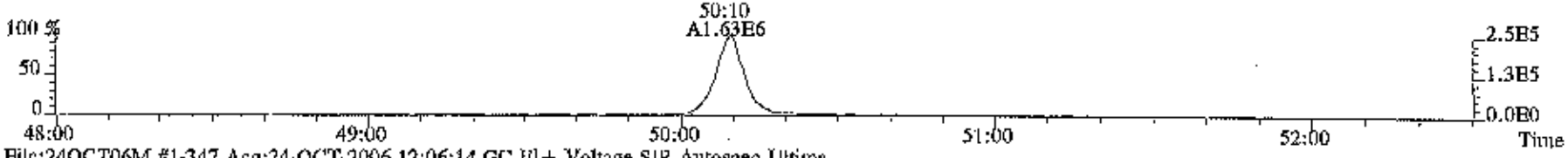
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



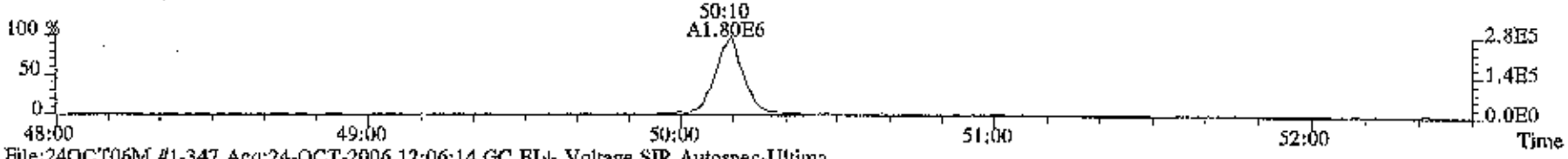
File:24OCT06M #1-541 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



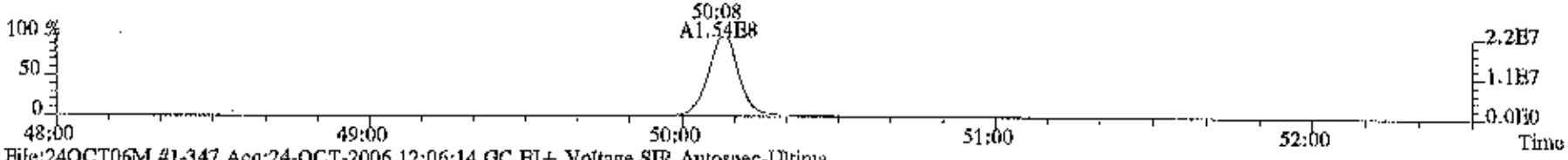
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



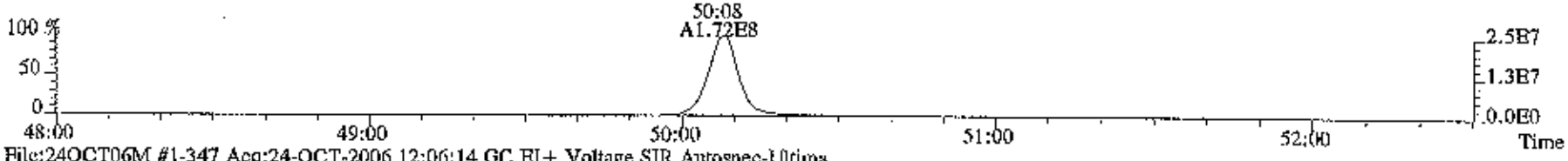
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



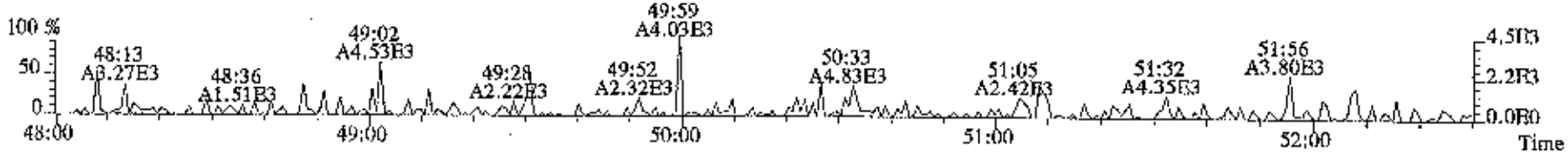
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



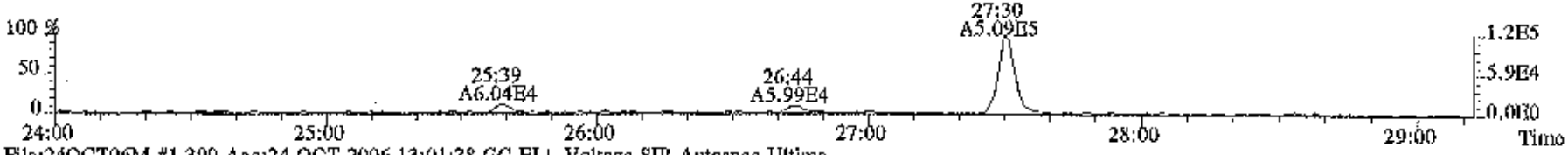
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



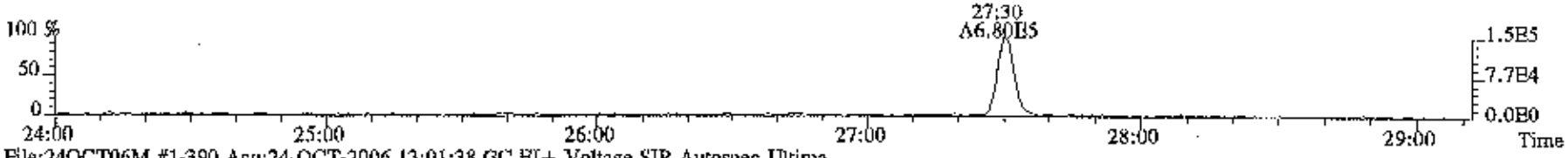
File:24OCT06M #1-347 Acq:24-OCT-2006 12:06:14 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M0 File Text:Frontier Analytical Laboratory Analyst ID:BS



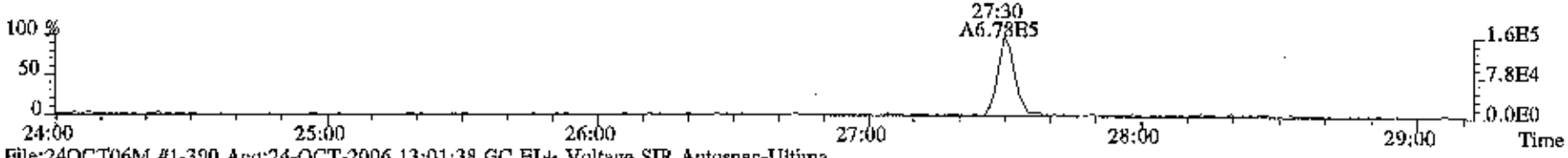
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



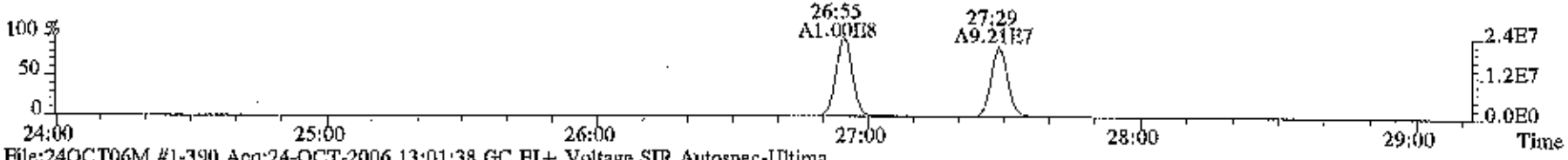
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



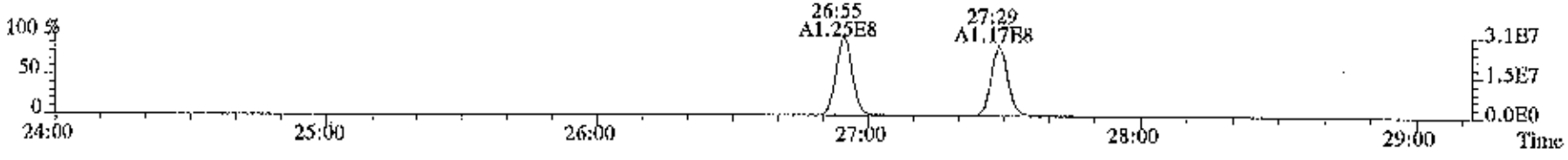
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



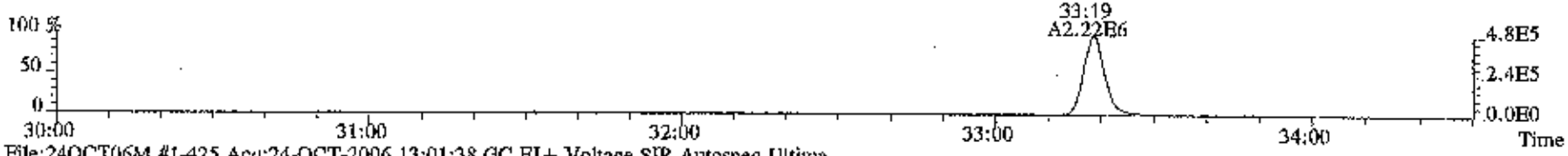
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



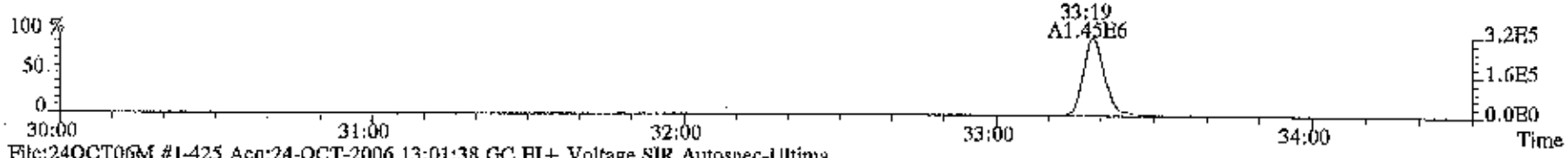
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



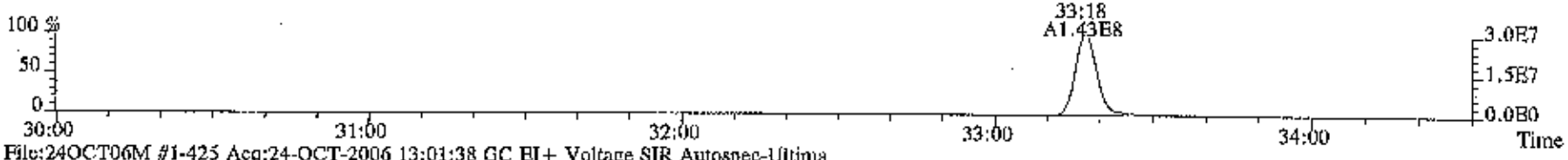
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



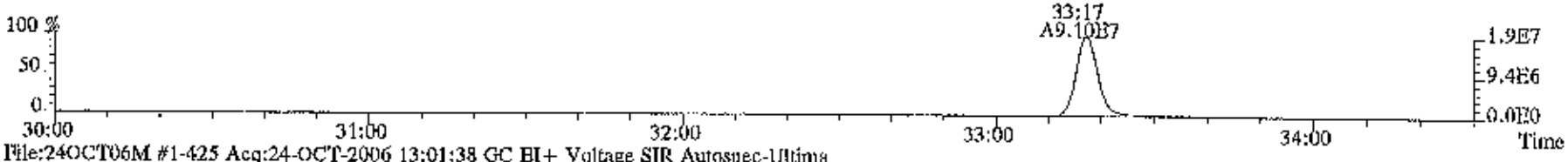
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



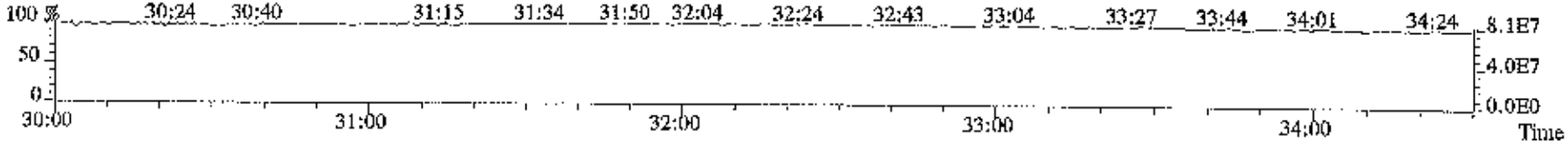
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



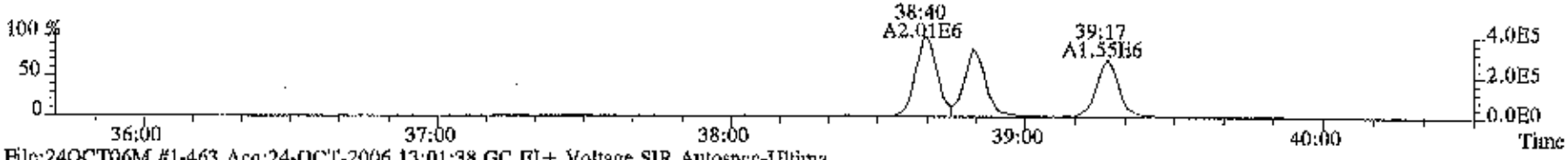
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



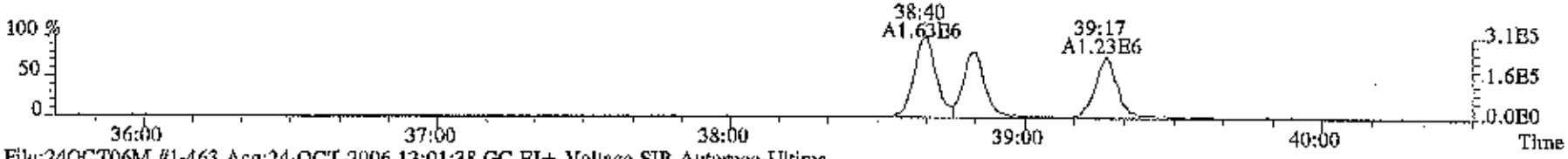
File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



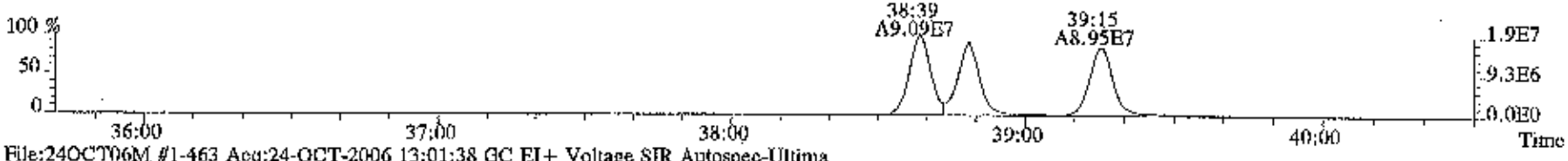
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



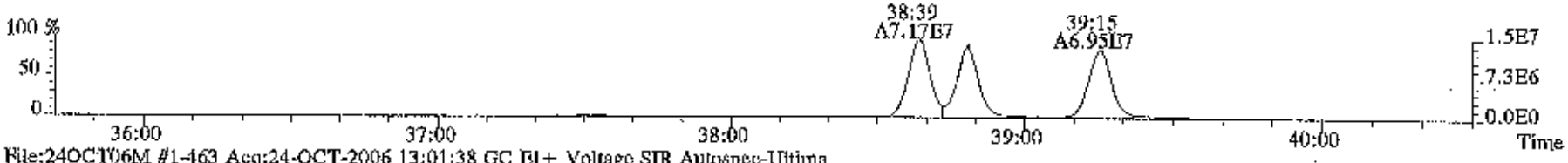
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



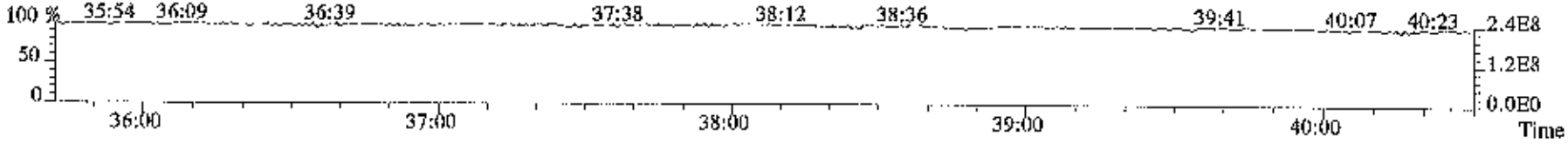
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



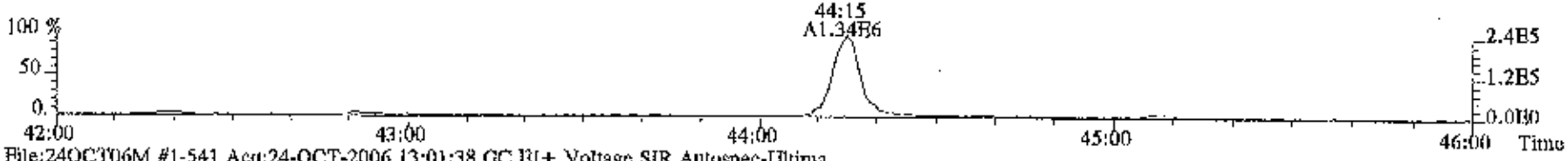
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



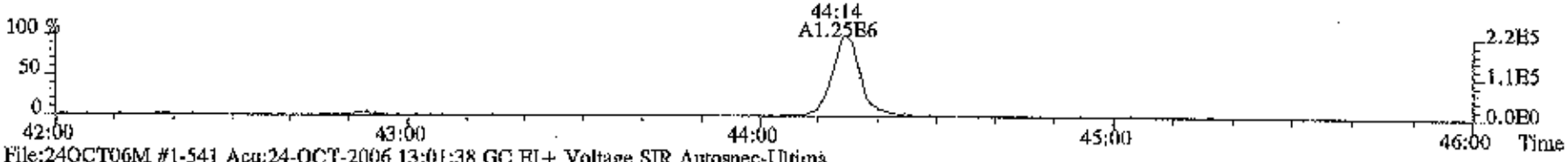
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:3 F:3 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



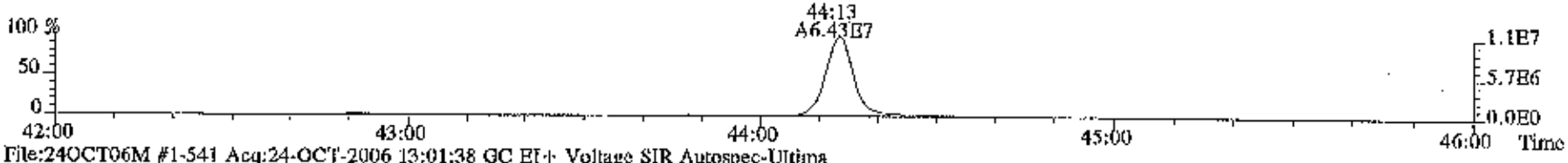
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



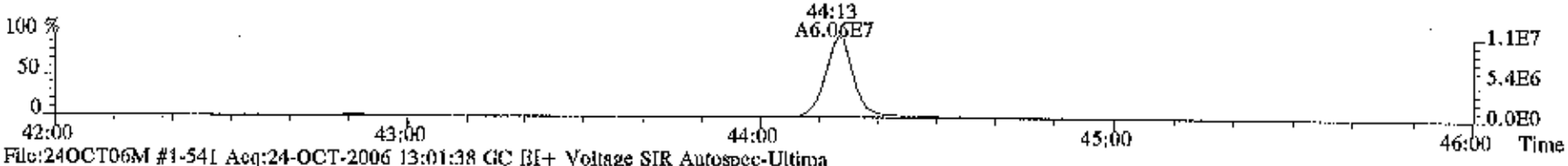
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



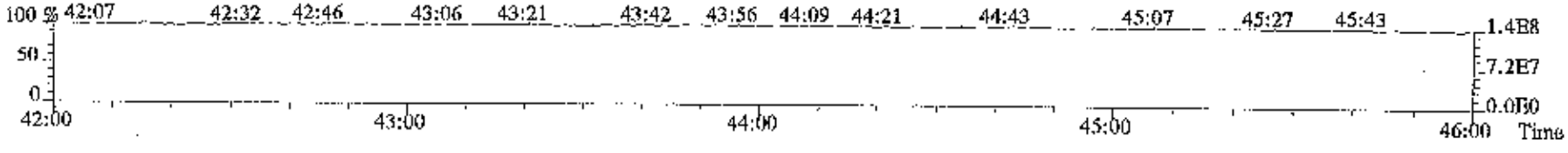
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



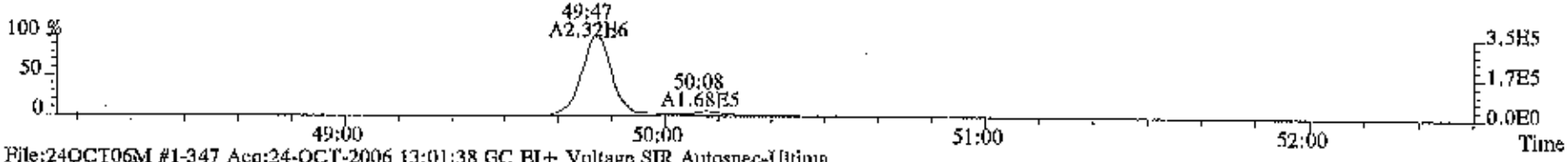
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:3 F:4 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS

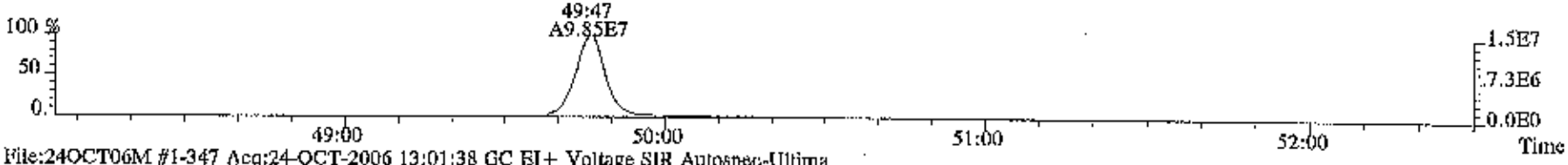


File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS

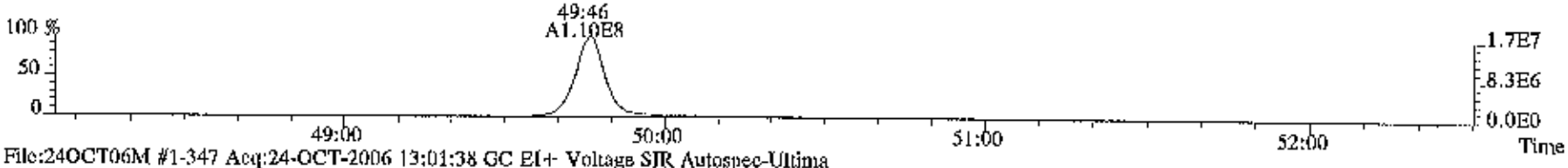


File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS

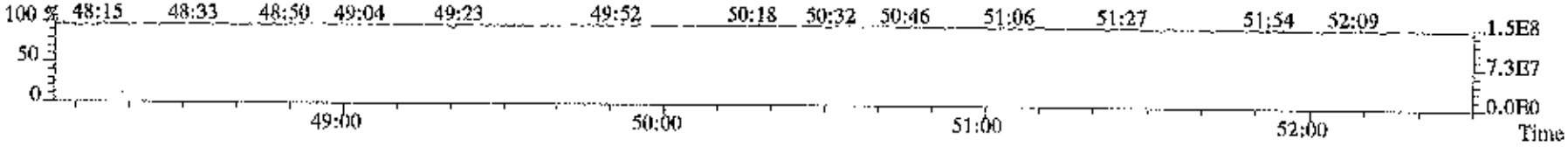
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



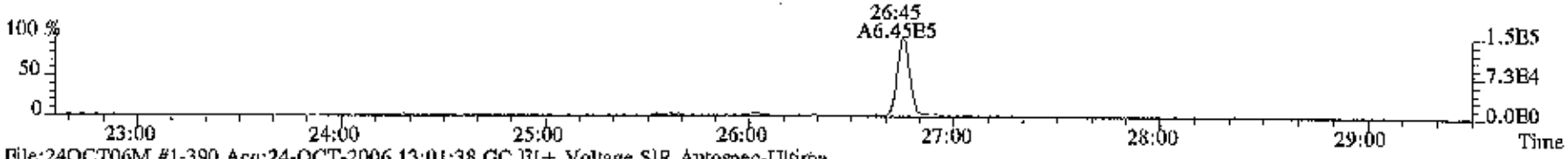
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



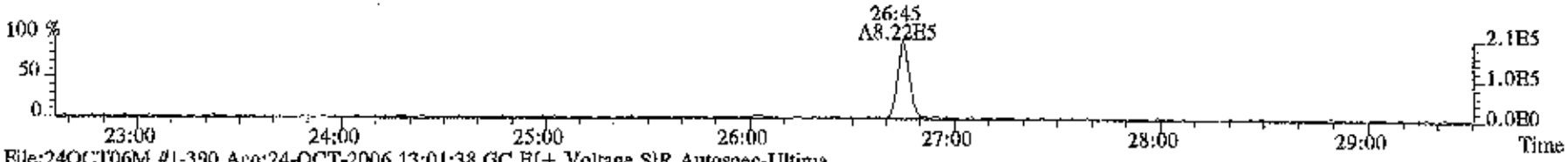
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:3 F:5 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



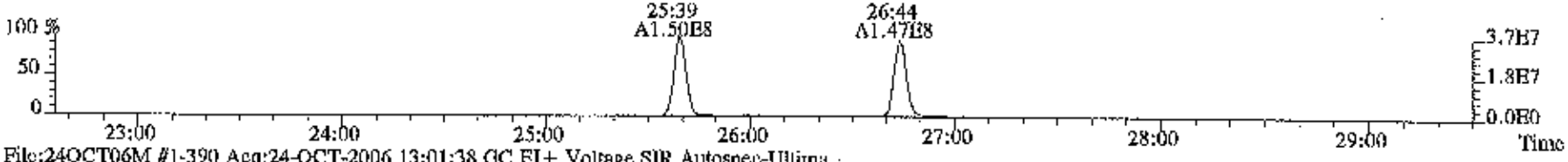
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



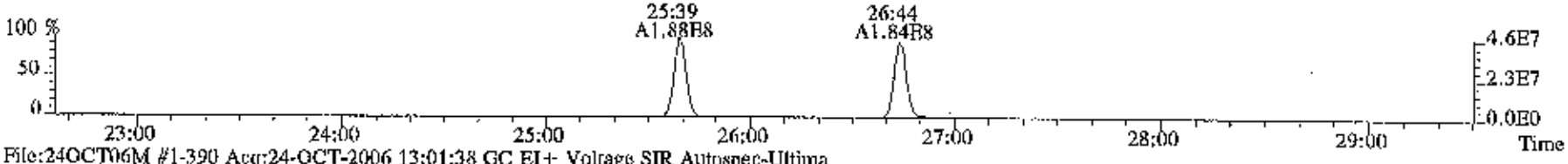
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



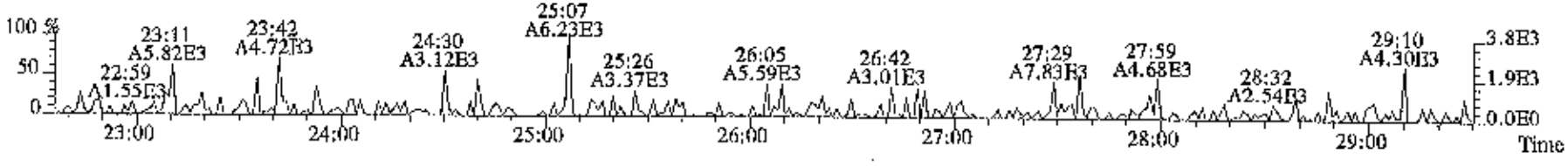
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



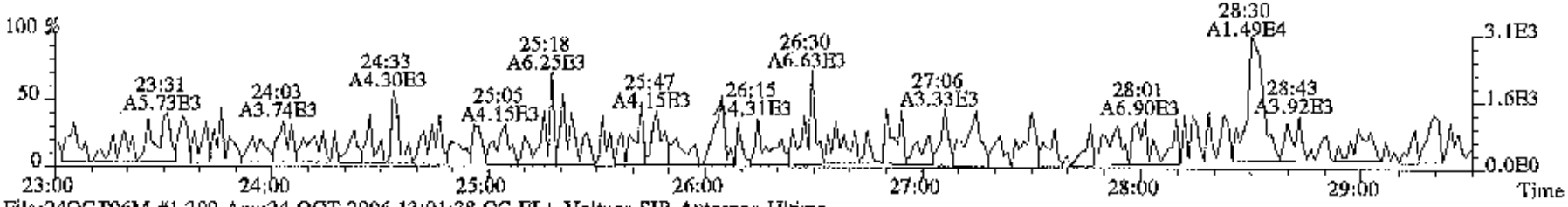
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



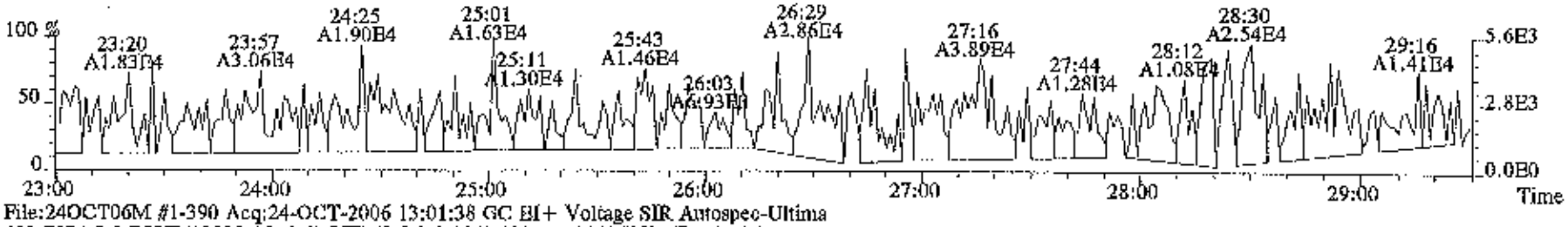
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



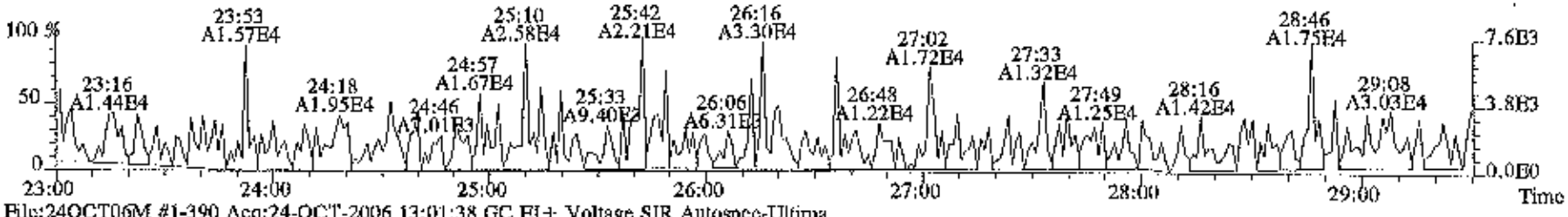
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



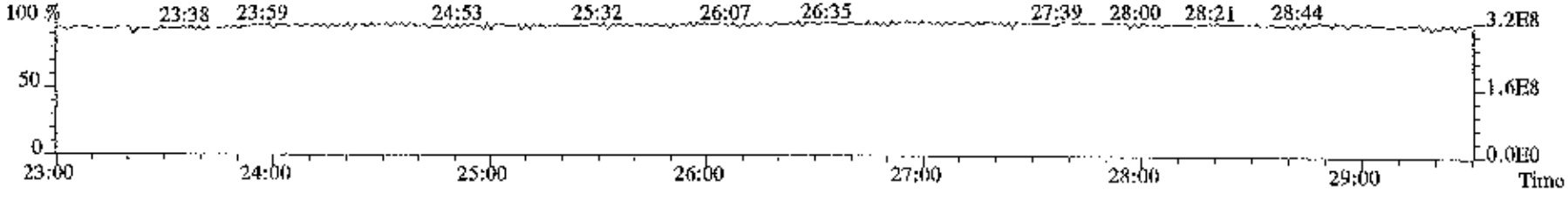
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



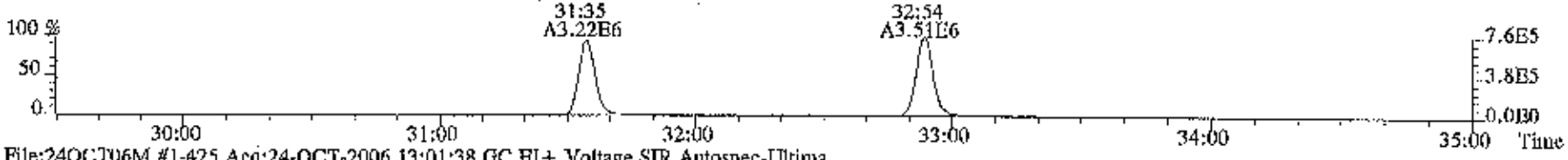
File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:3 Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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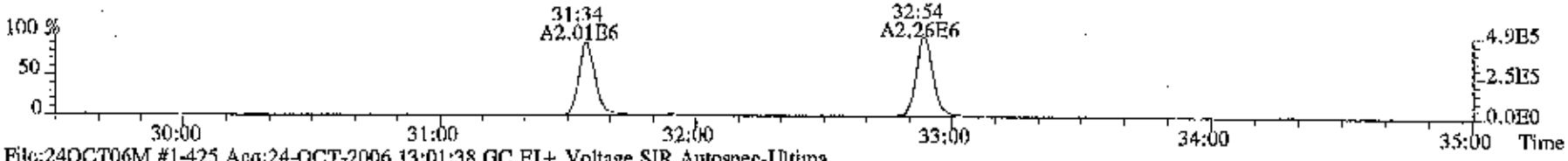
341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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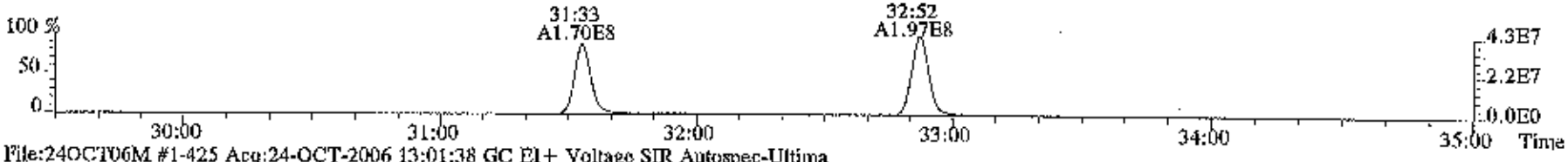
351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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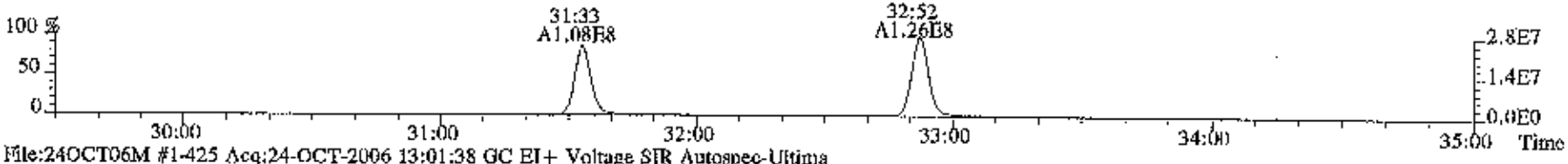
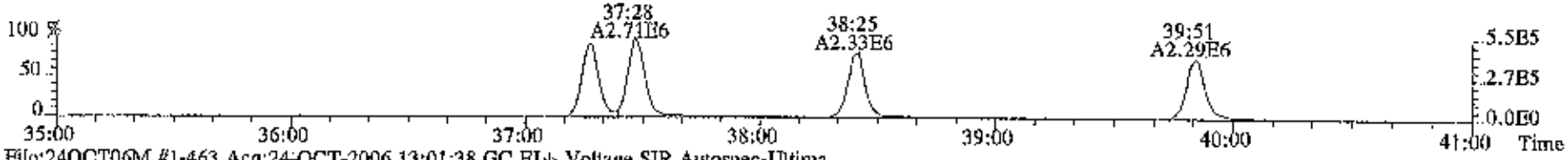
353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS

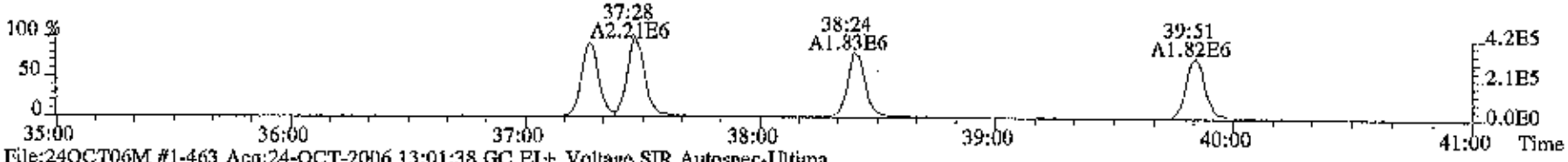


File:24OCT06M #1-425 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS

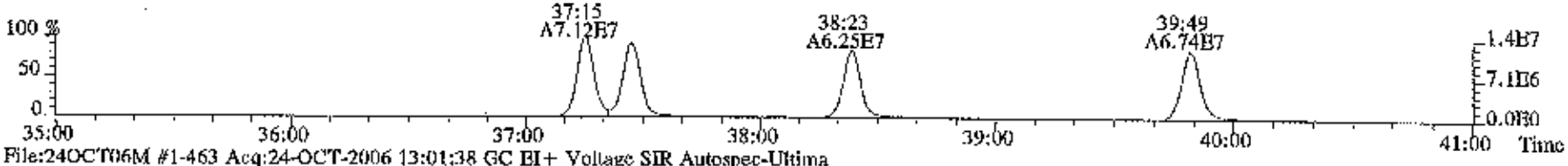
File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-463 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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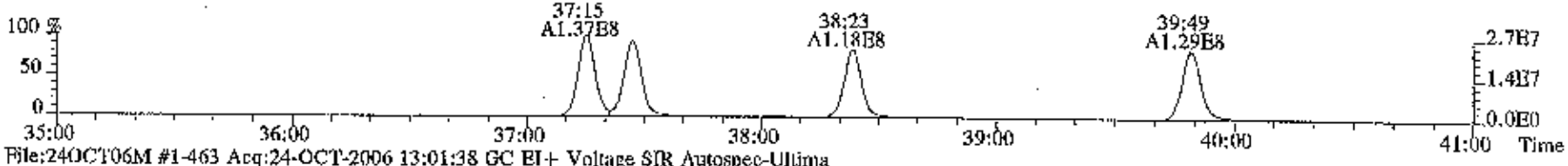
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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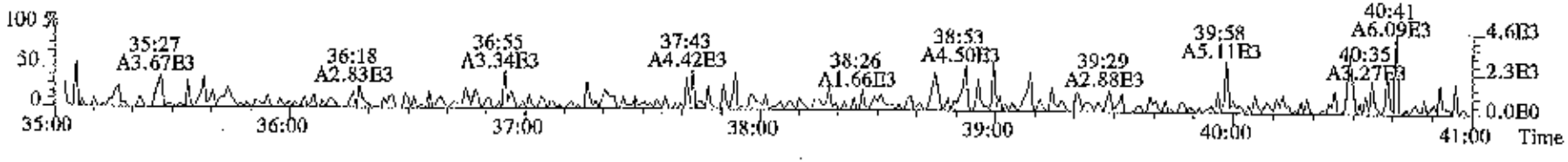
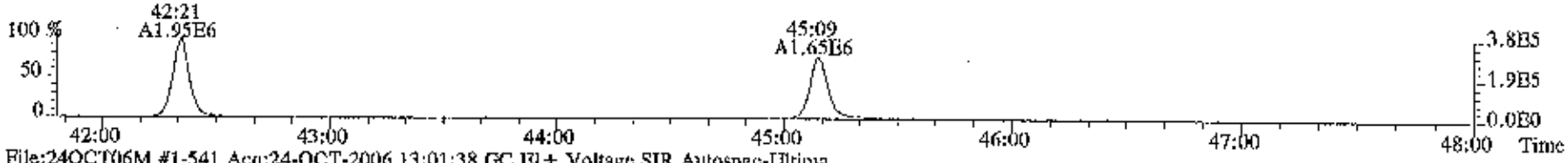
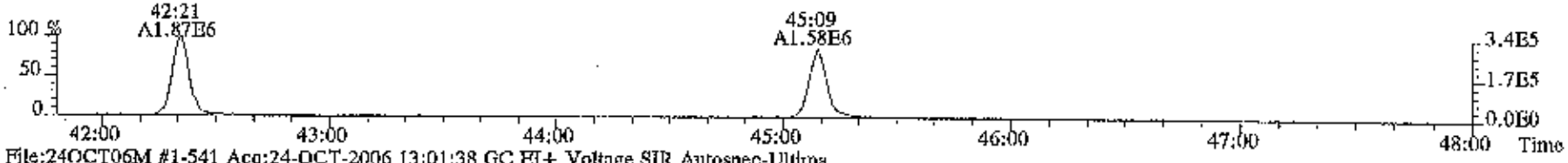
445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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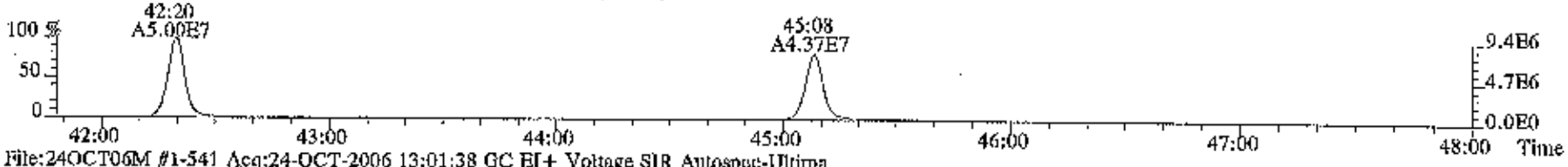
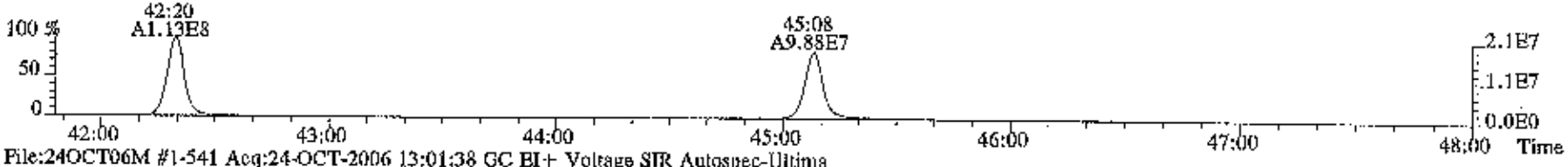
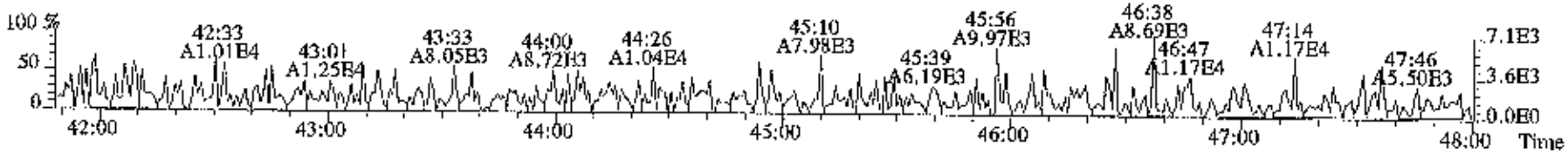
417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



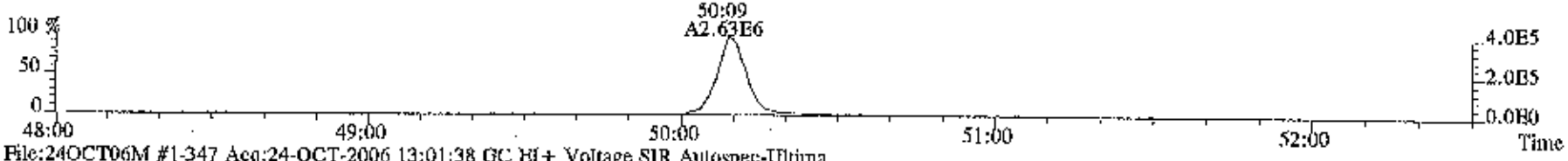
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



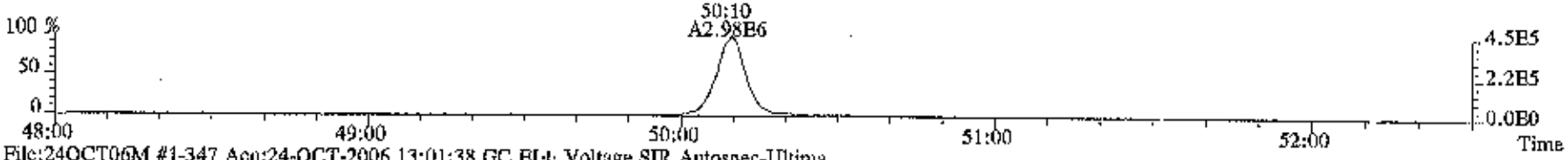
File:24OCT06M #1-541 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



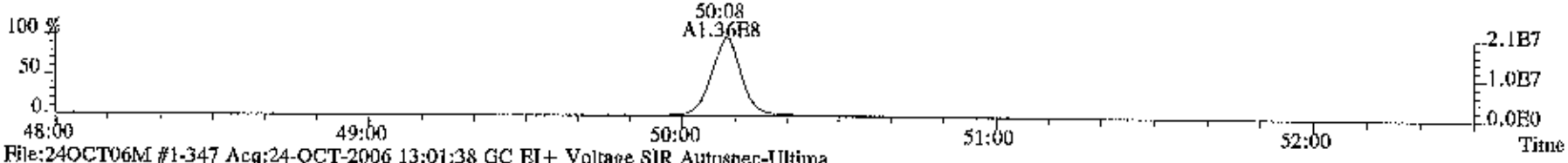
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 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:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



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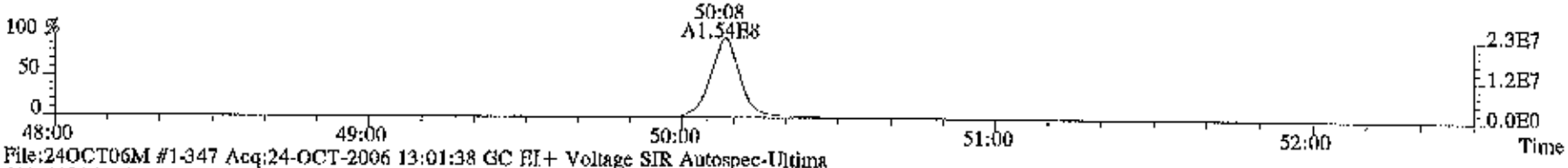
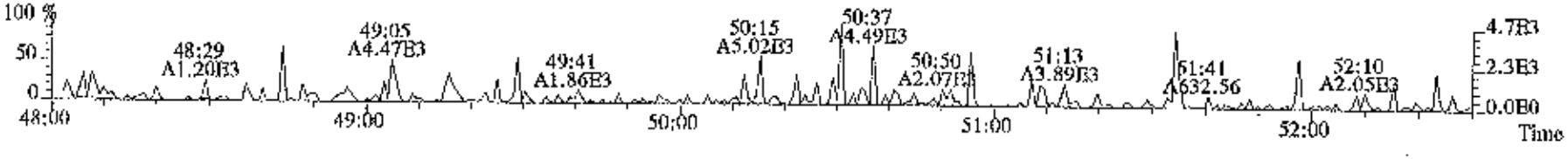
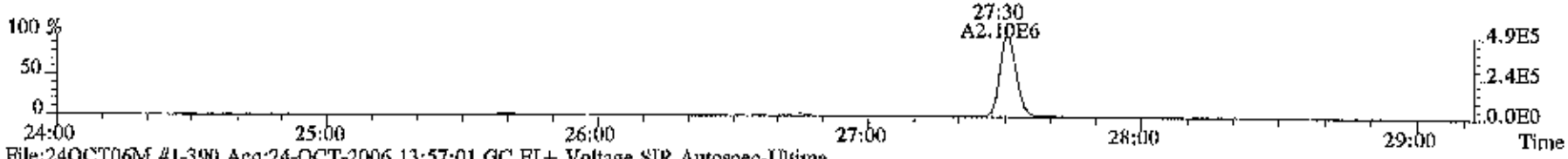
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



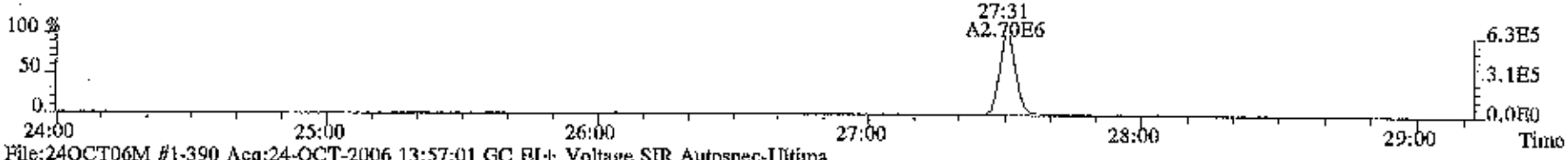
File:24OCT06M #1-347 Acq:24-OCT-2006 13:01:38 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M1 File Text:Frontier Analytical Laboratory Analyst ID:BS



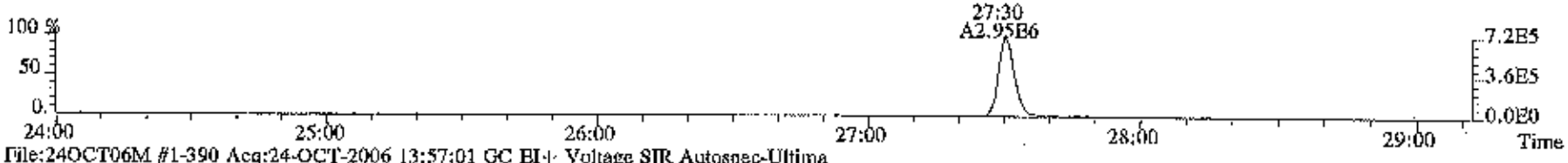
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



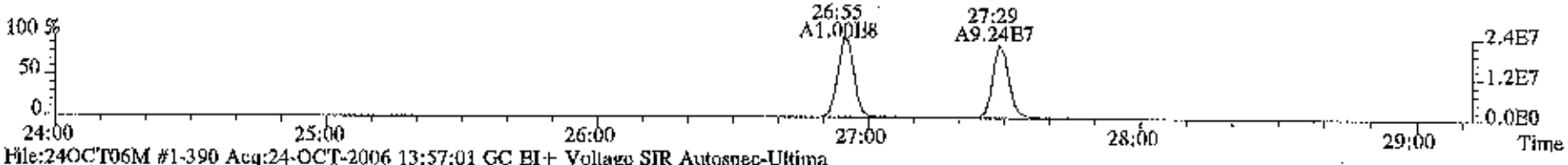
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



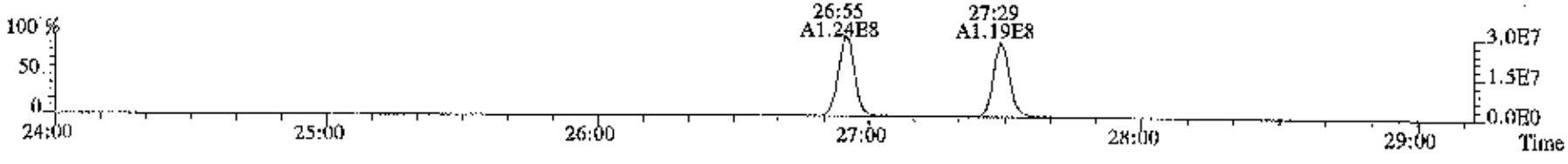
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



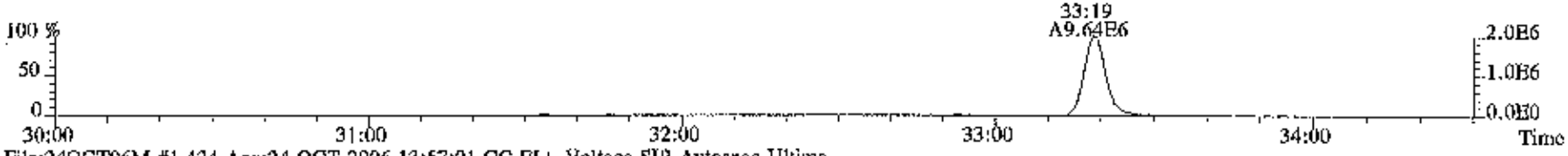
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



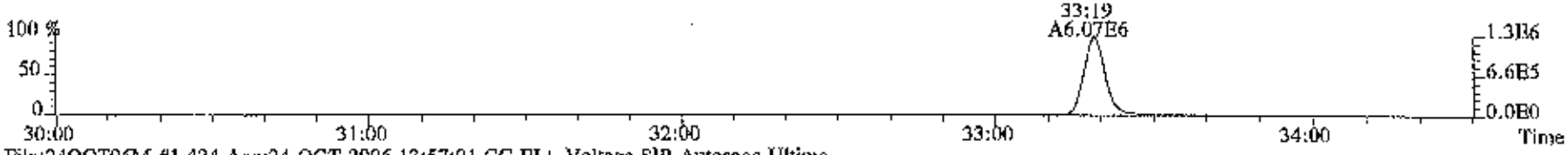
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



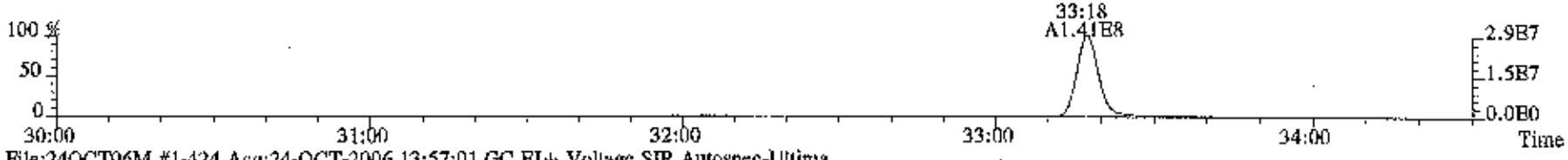
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



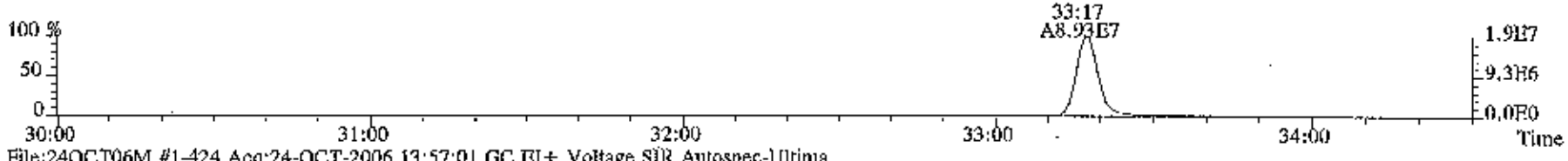
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



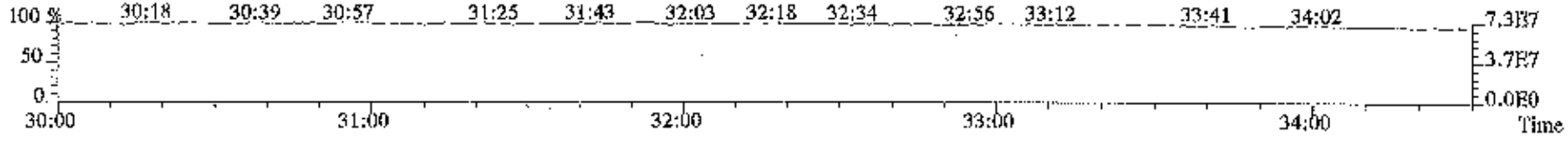
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



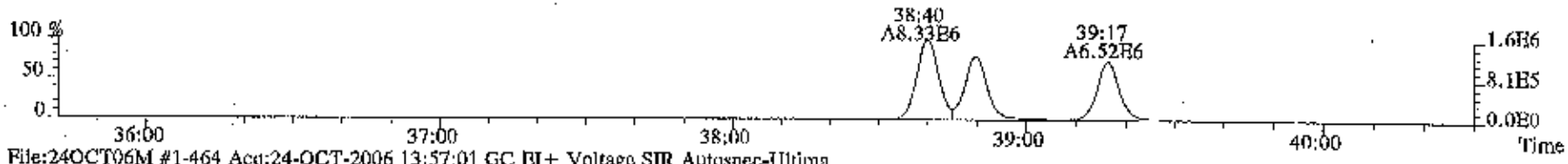
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



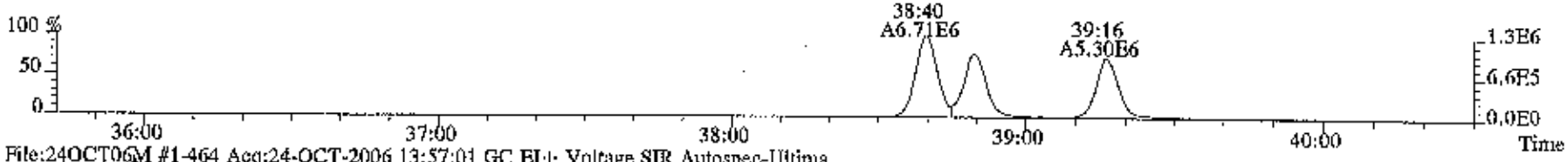
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:4 F:2 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



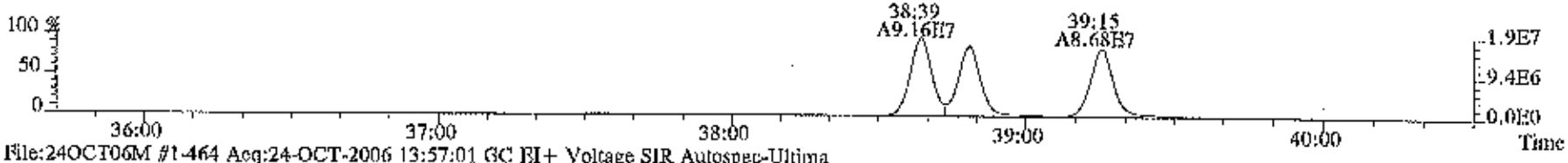
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



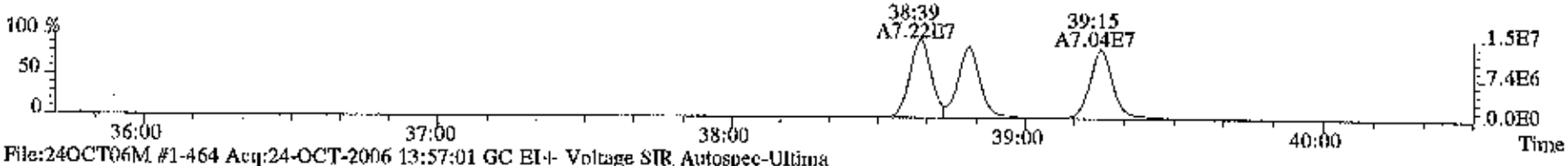
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



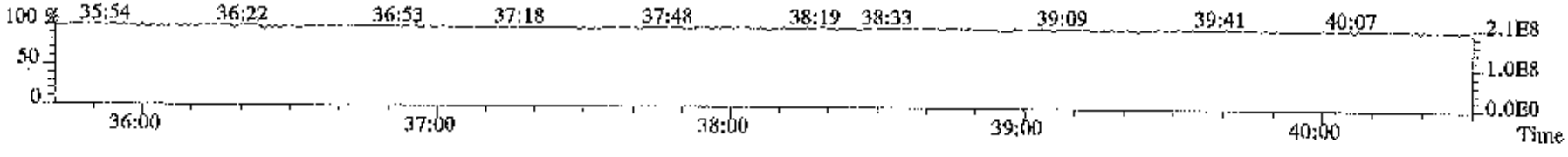
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



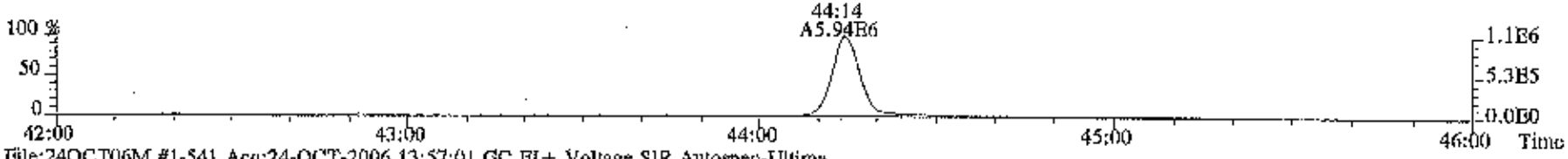
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



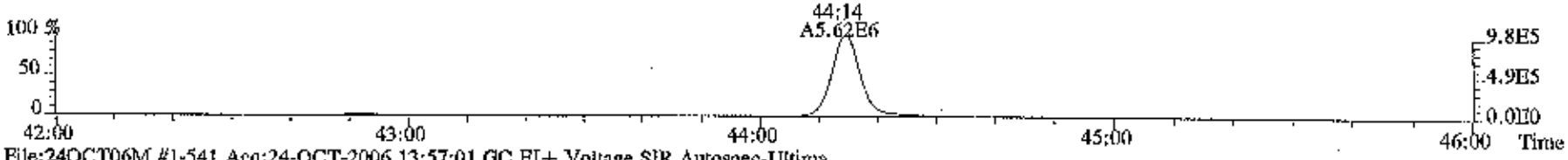
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:4 F:3 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



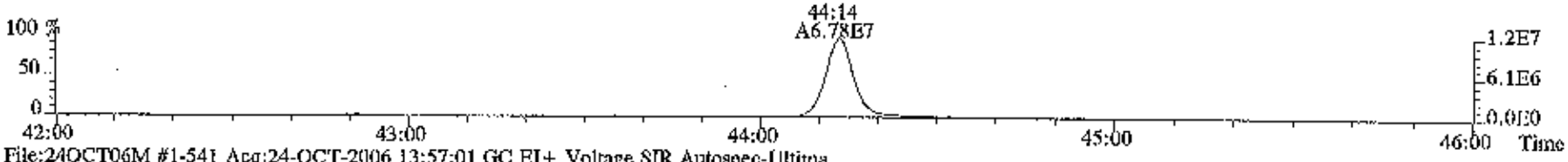
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



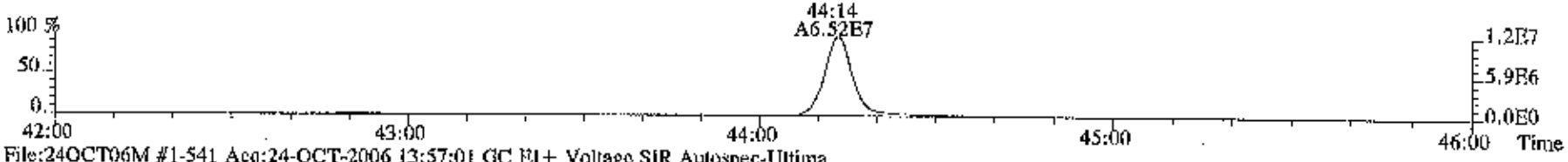
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



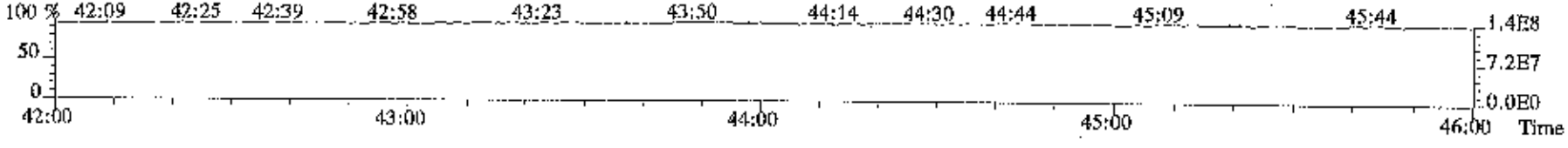
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



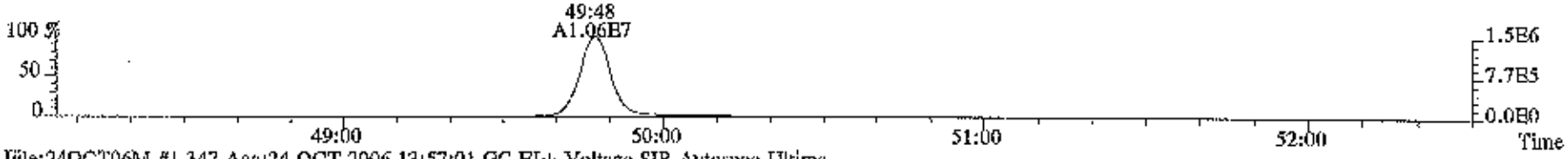
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



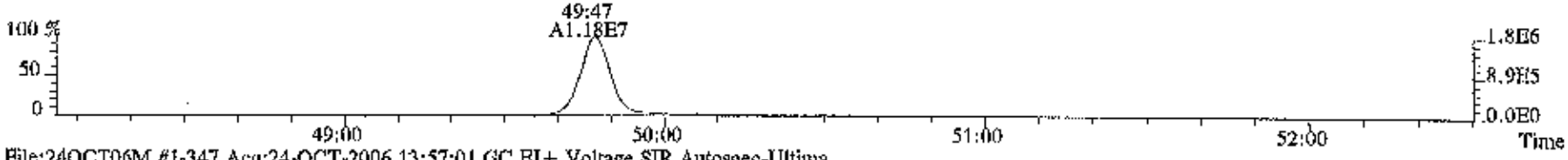
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:4 F:4 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



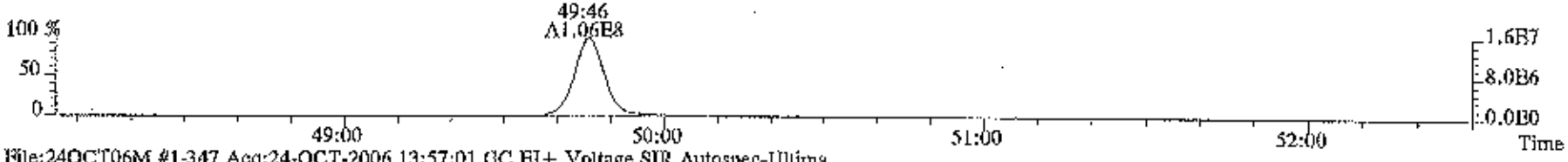
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



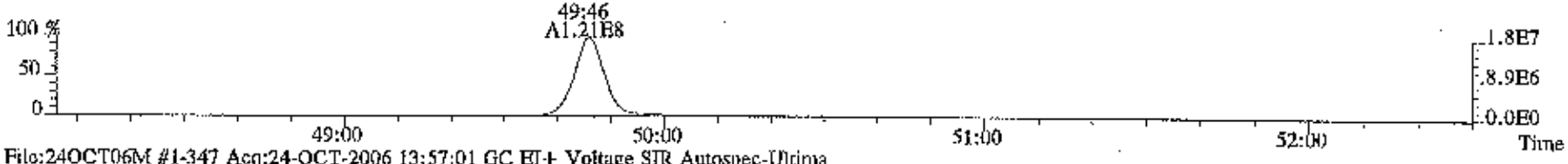
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



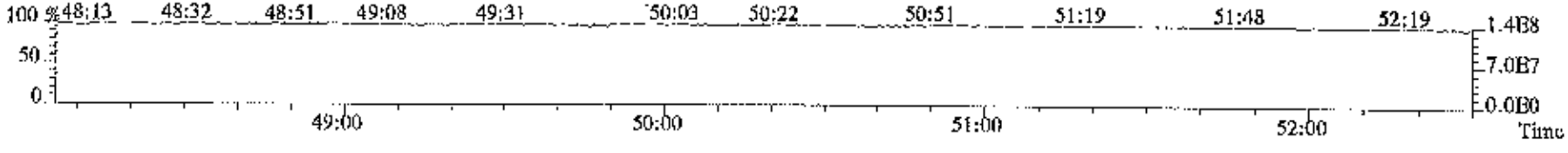
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



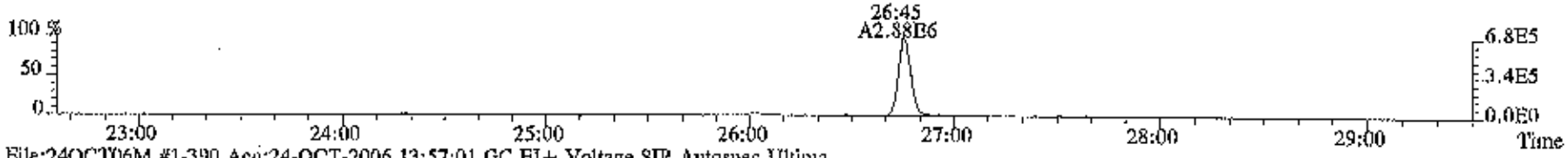
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



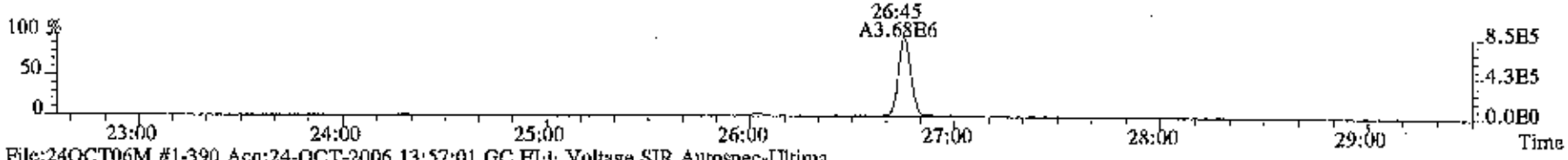
File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:4 F:5 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



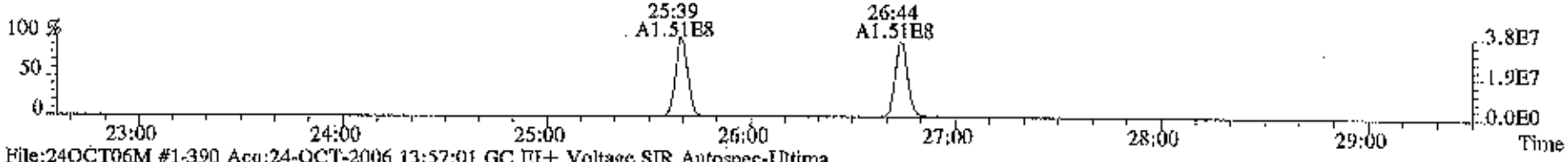
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



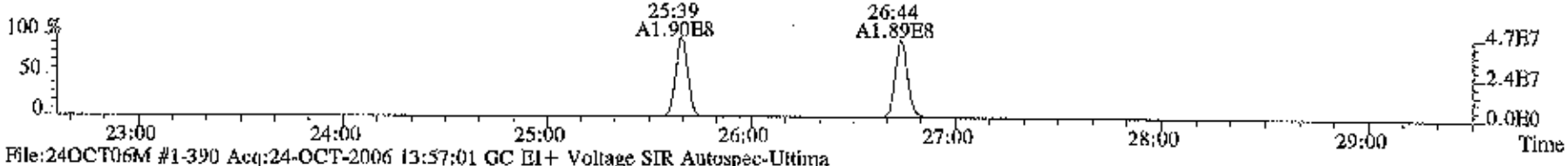
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



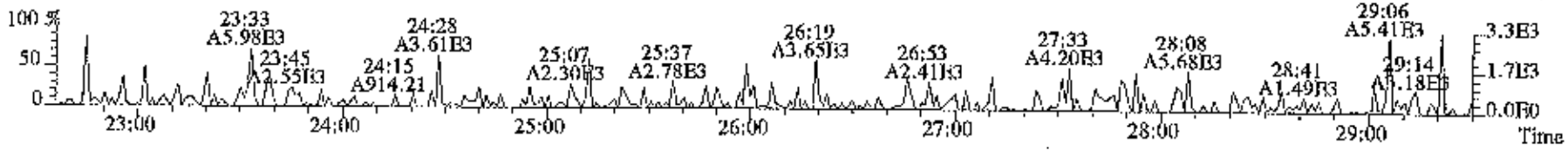
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



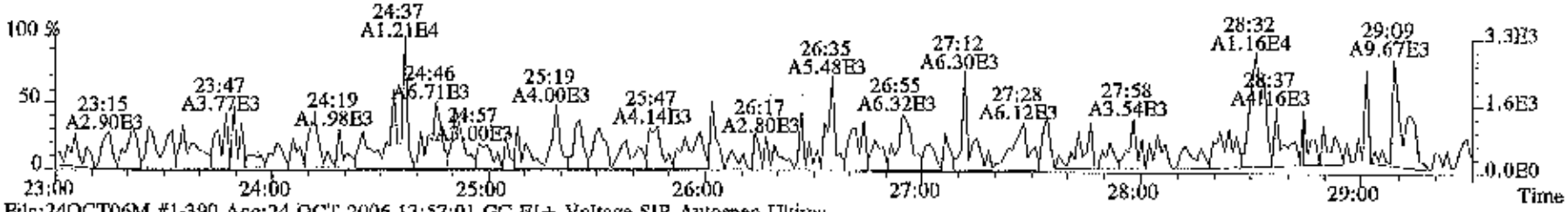
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



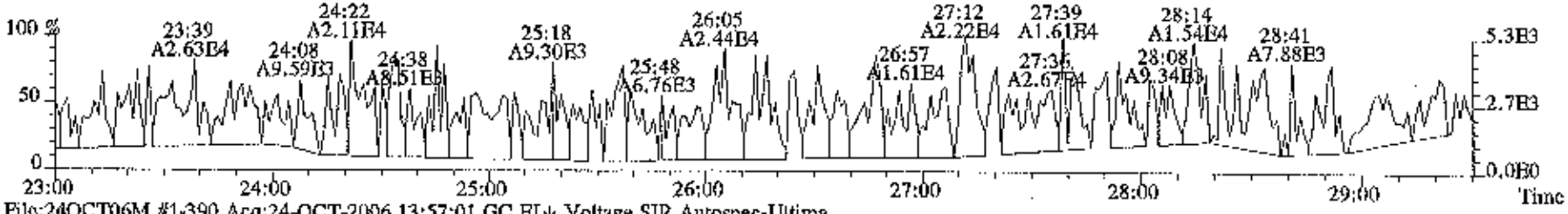
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



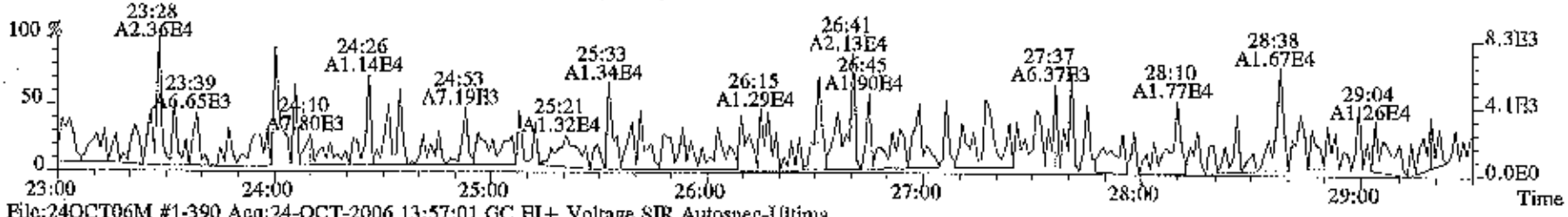
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



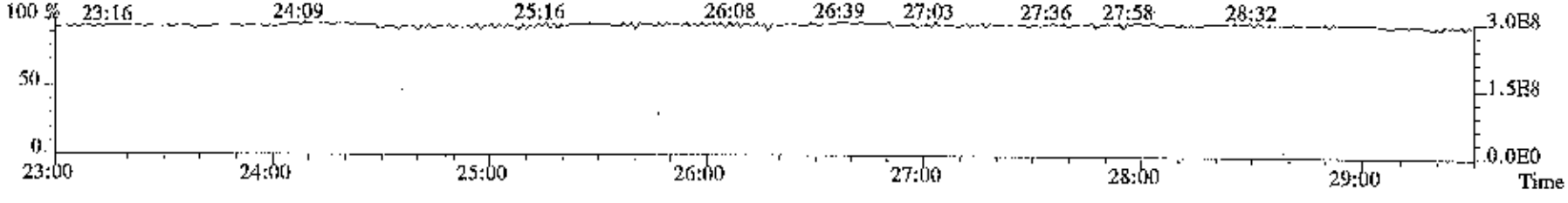
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



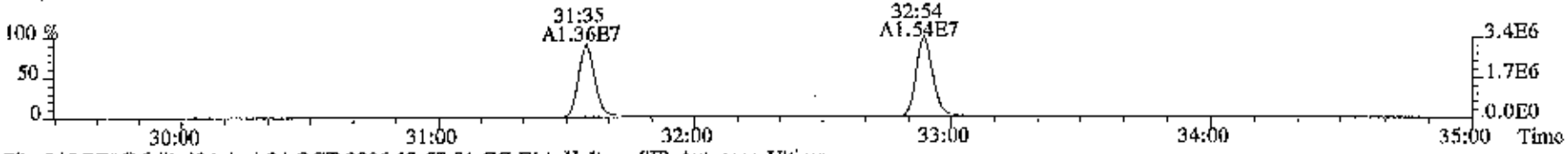
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



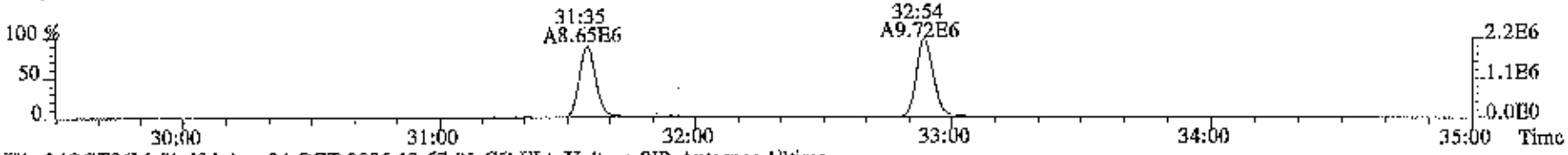
File:24OCT06M #1-390 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:4 Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



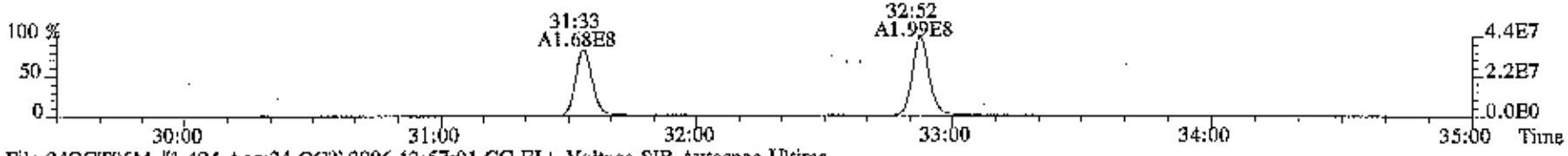
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



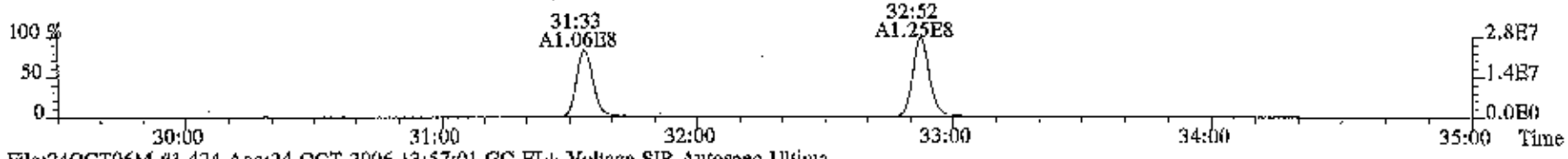
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



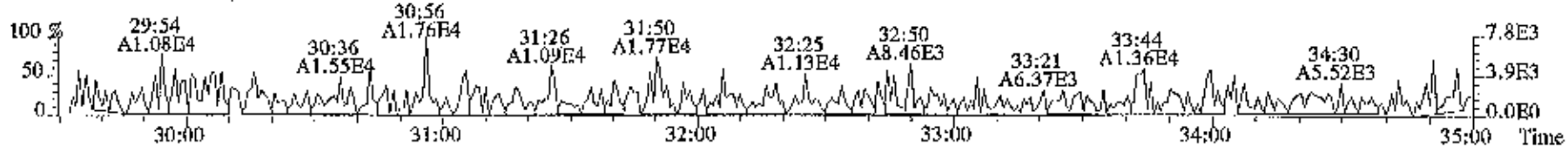
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



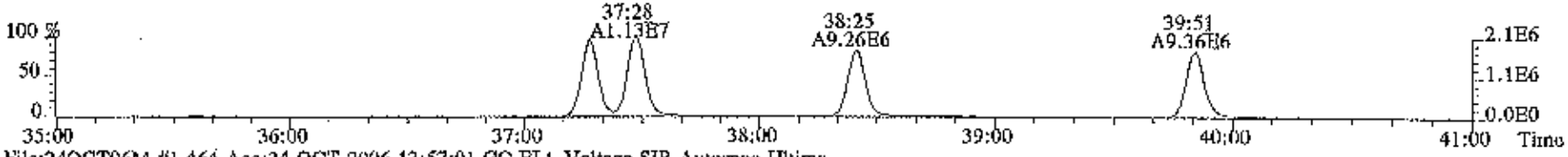
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



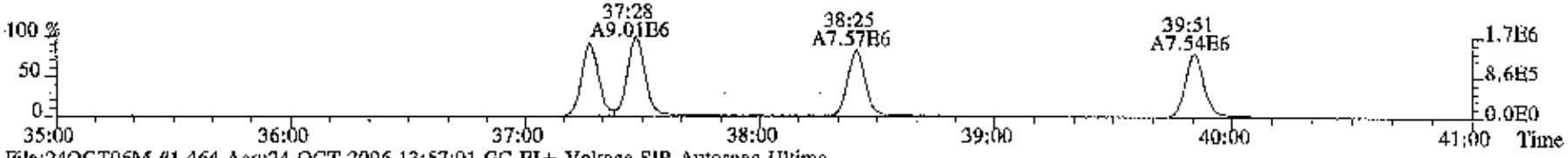
File:24OCT06M #1-424 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



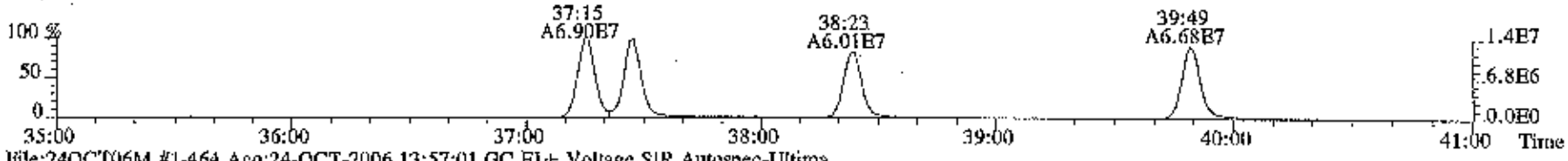
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



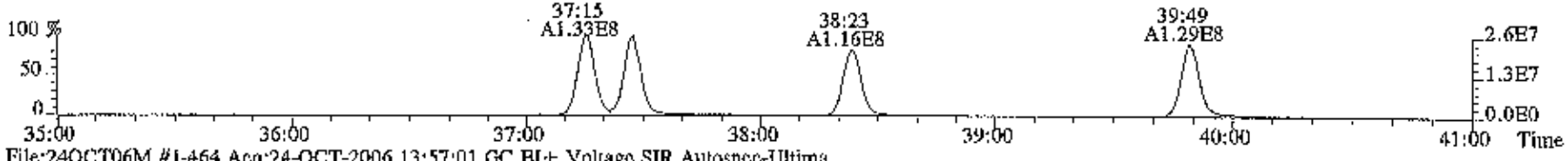
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



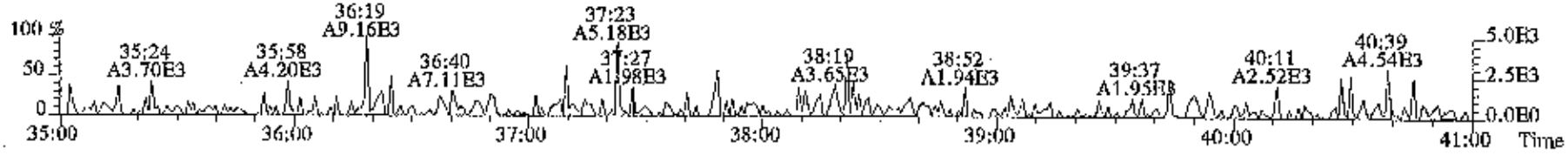
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



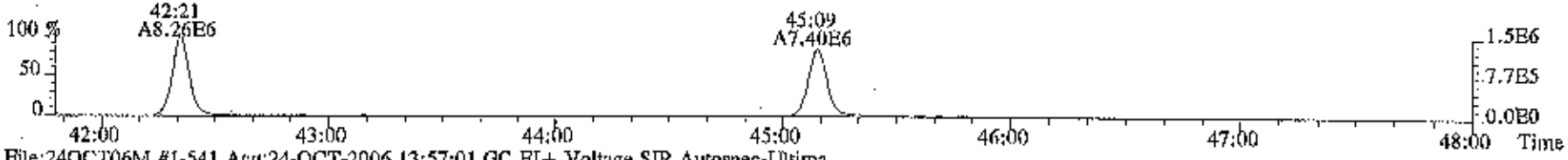
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



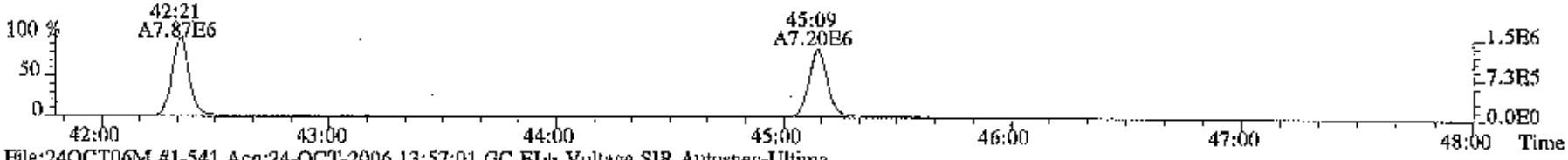
File:24OCT06M #1-464 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



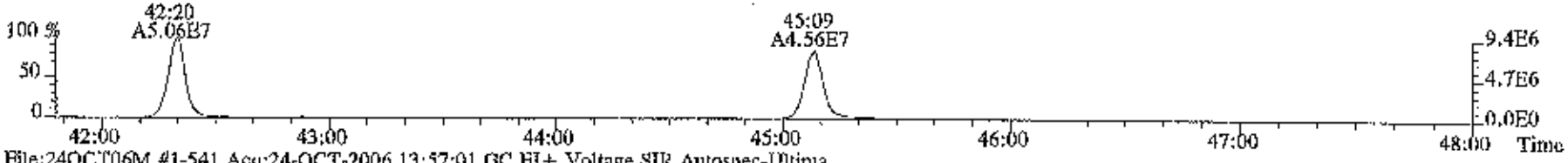
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



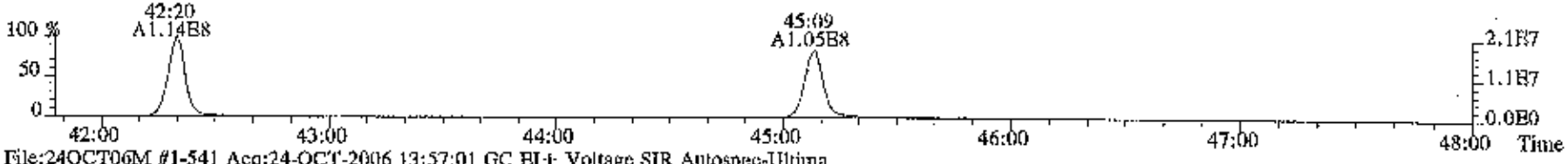
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



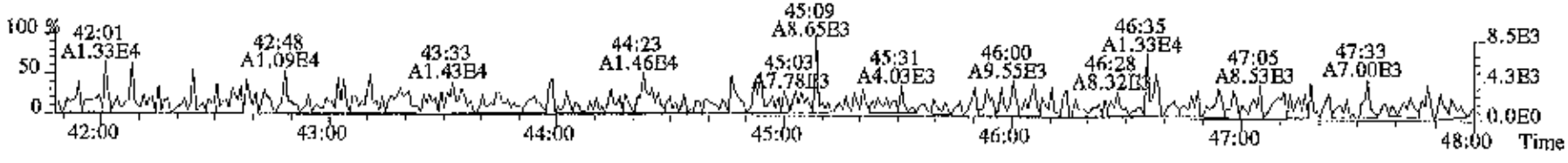
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



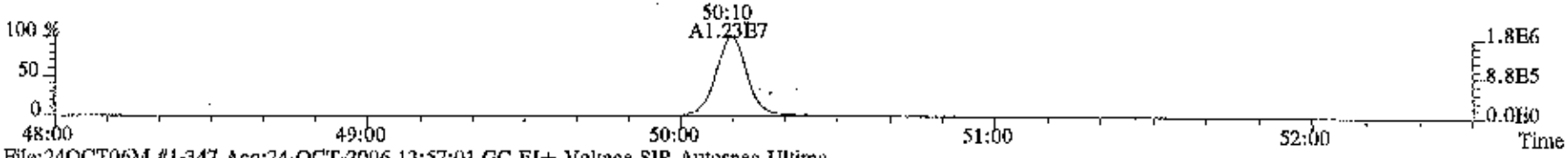
File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 13:57:01 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:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 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:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



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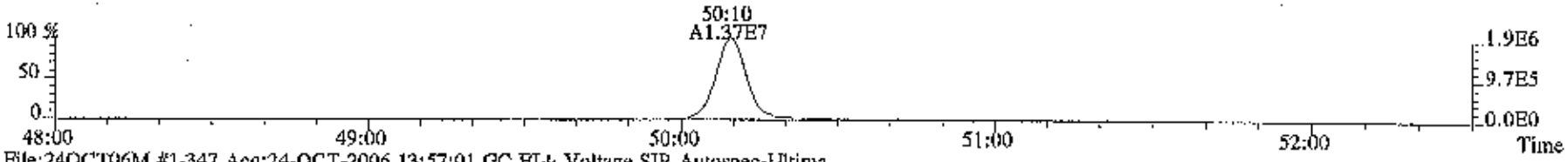
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



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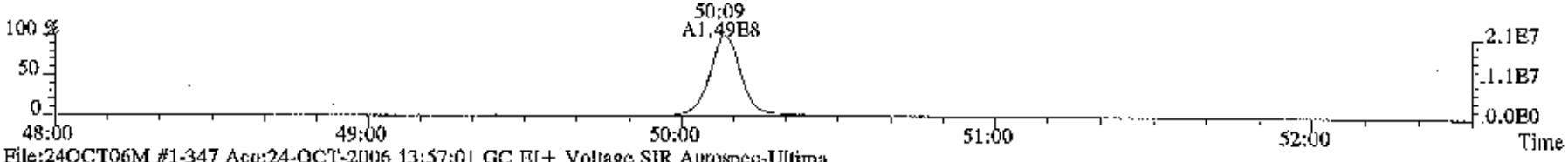
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



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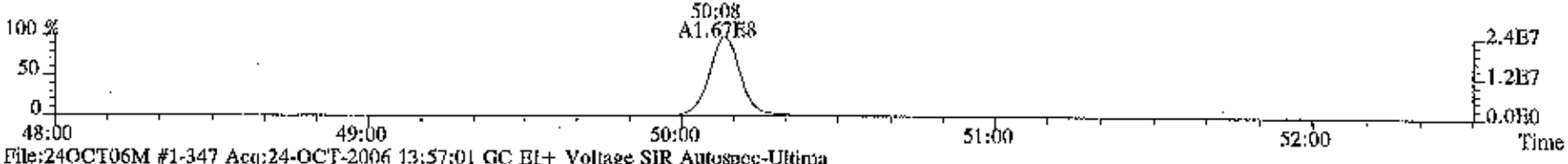
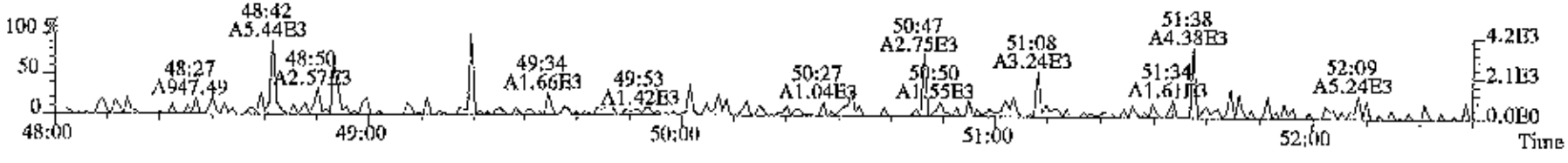
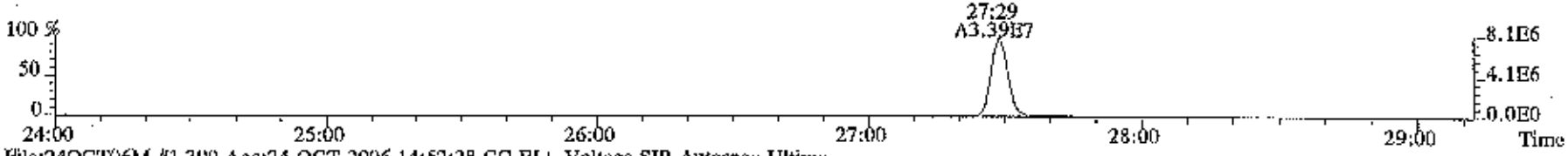
Sample Text:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 13:57:01 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:ST102406M2 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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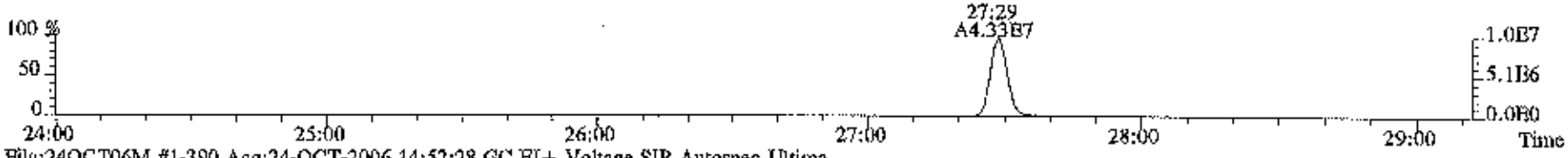
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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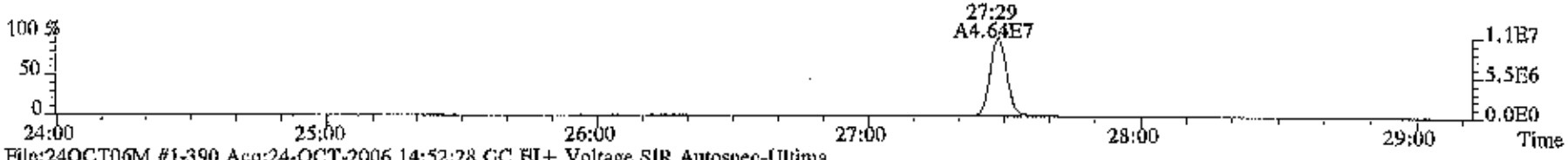
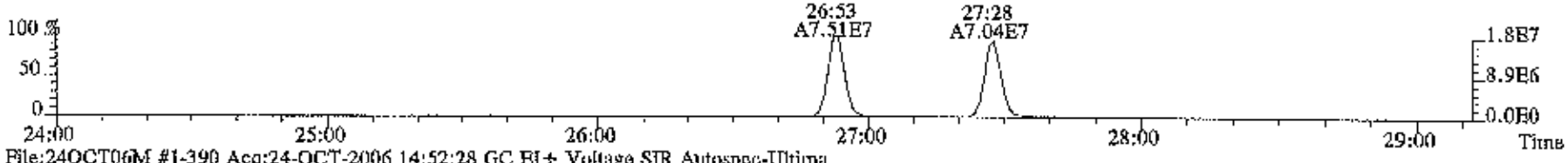
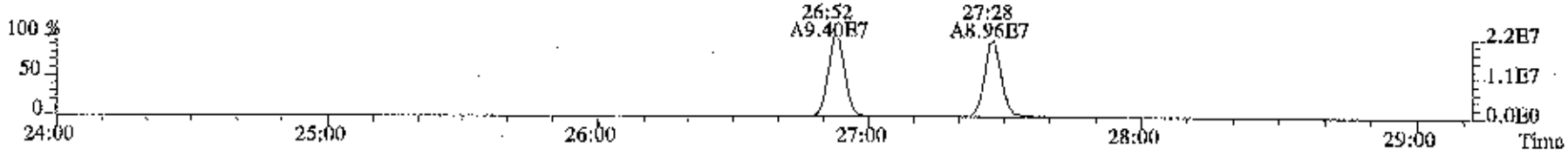
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



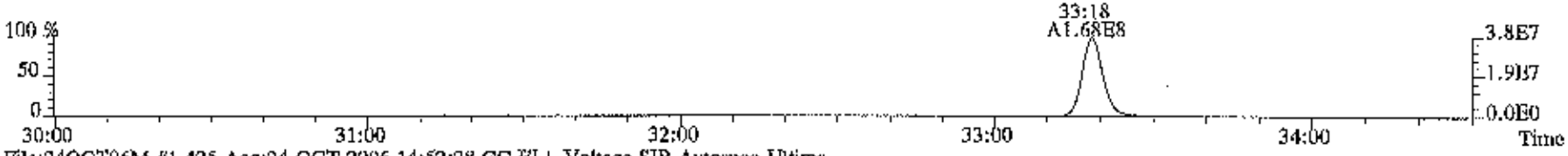
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



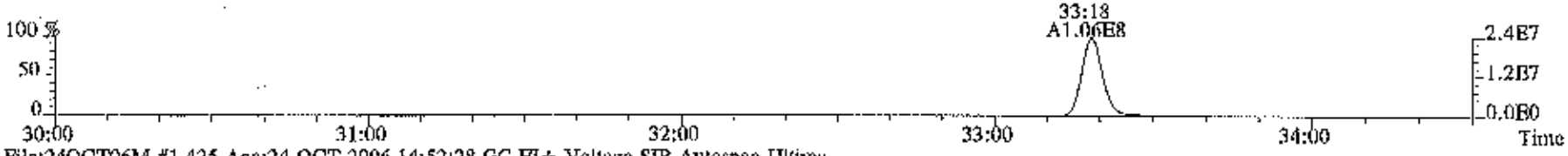
File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



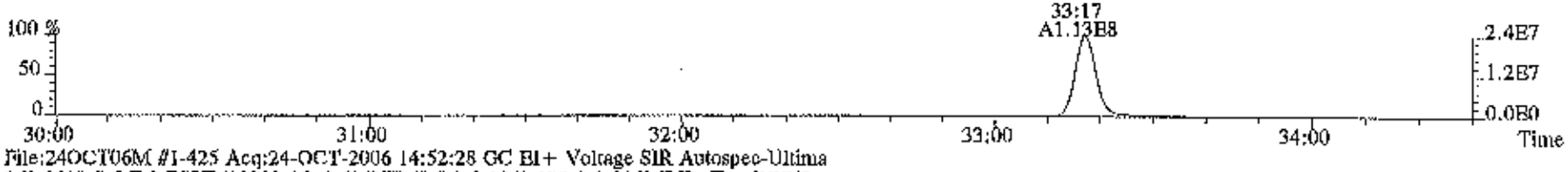
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



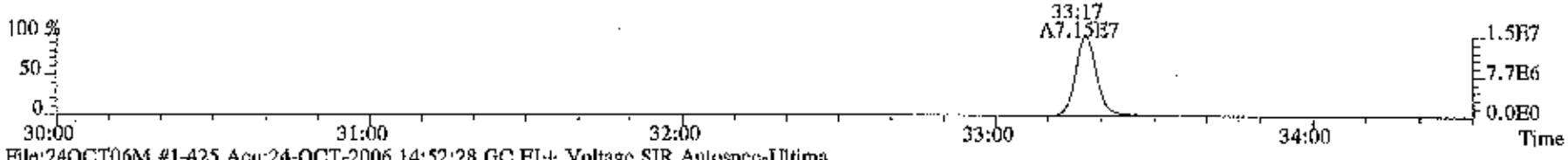
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



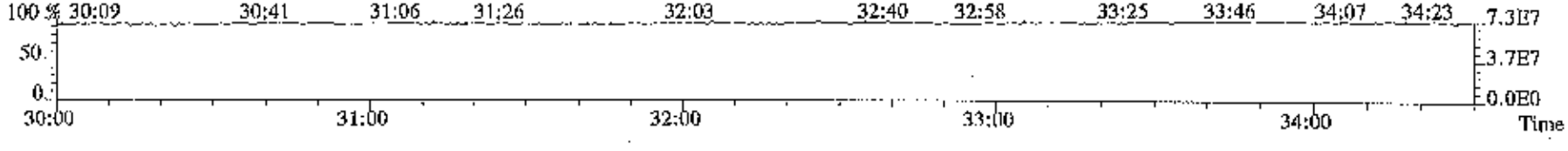
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



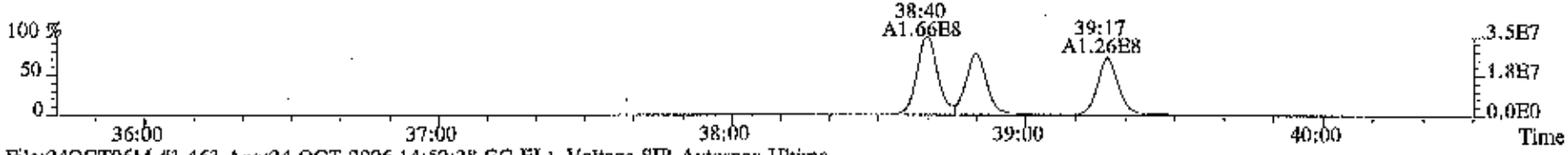
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



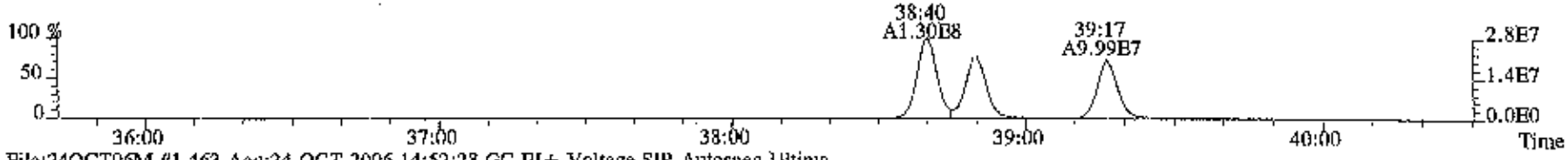
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



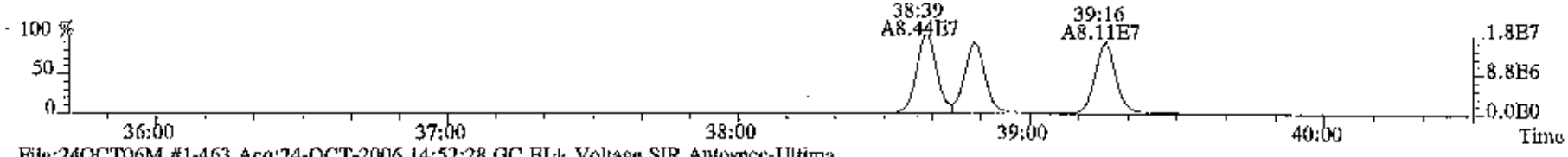
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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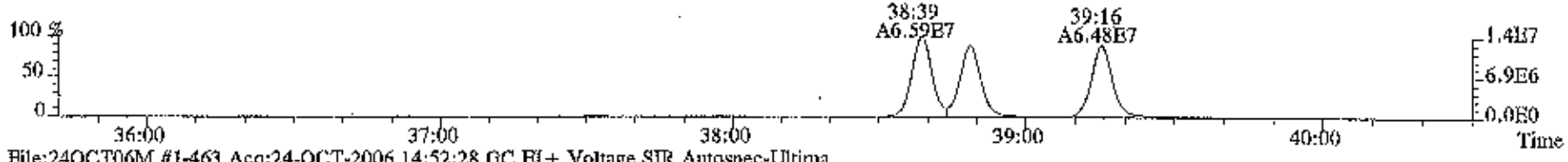
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:5 F:3 Exp:PCDD
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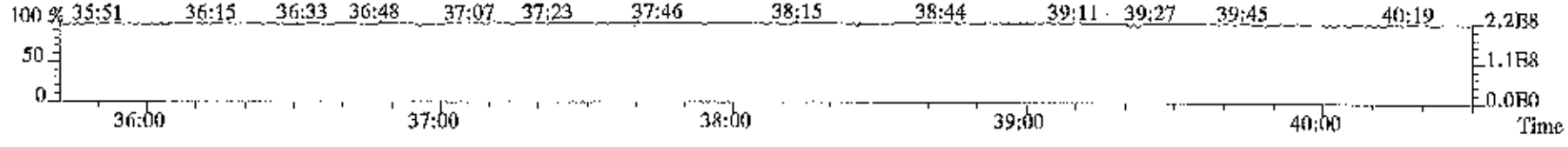
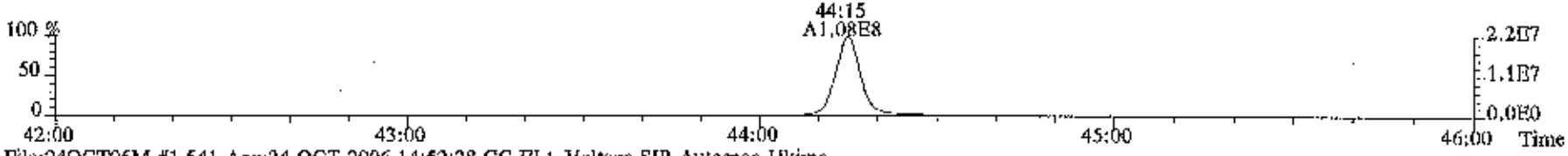
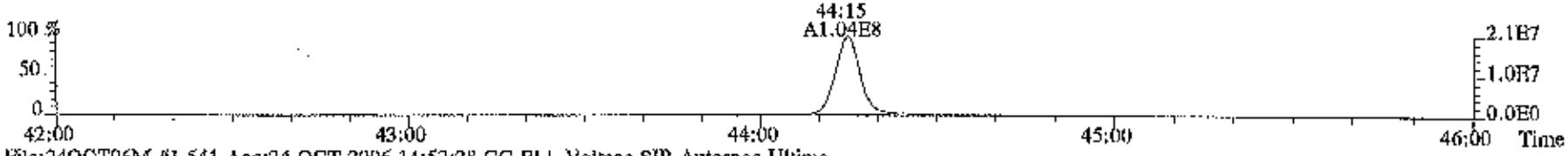


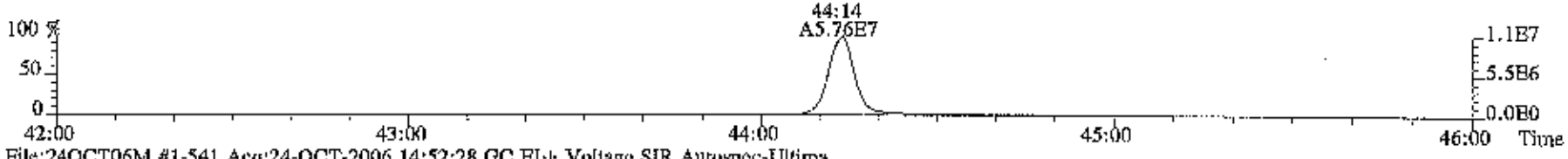
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



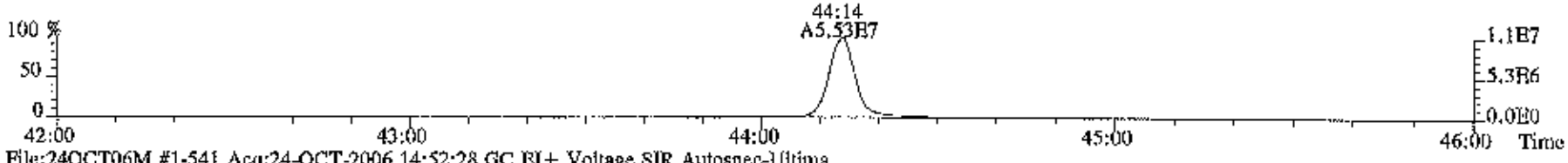
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



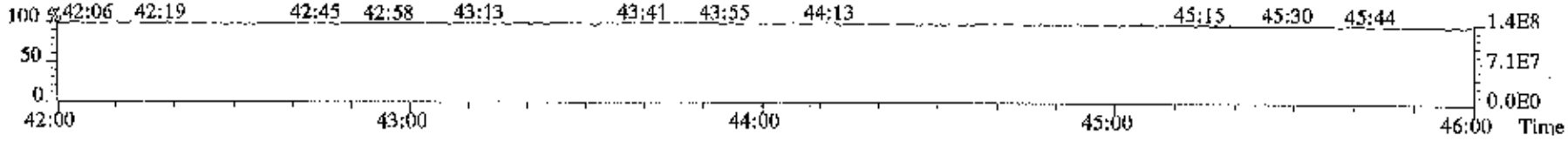
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



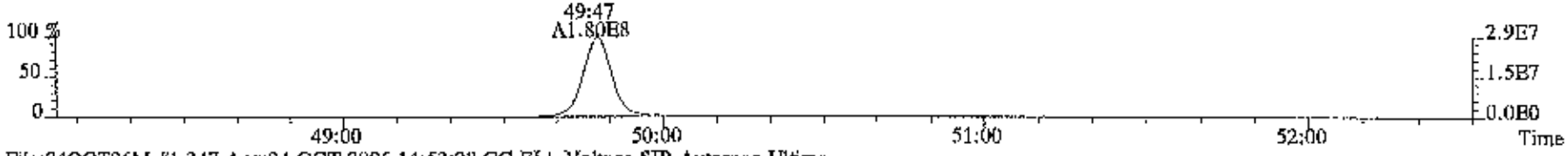
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



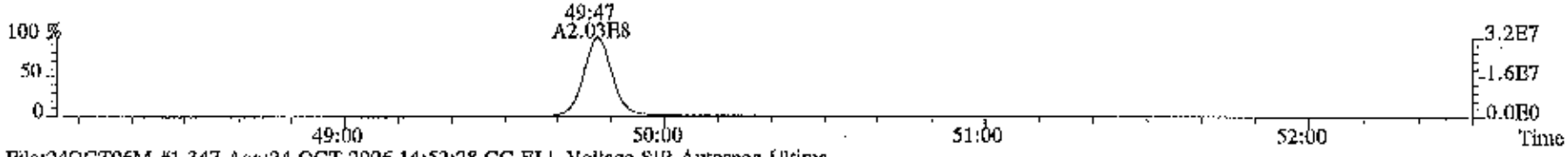
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:5 F:4 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



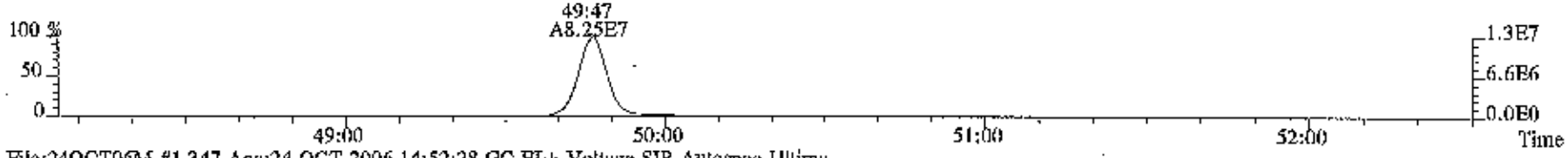
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
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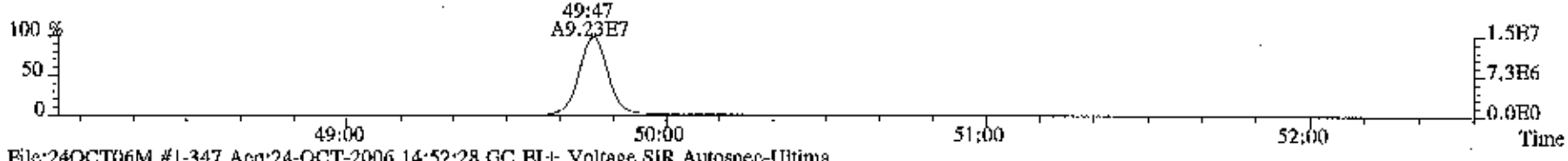
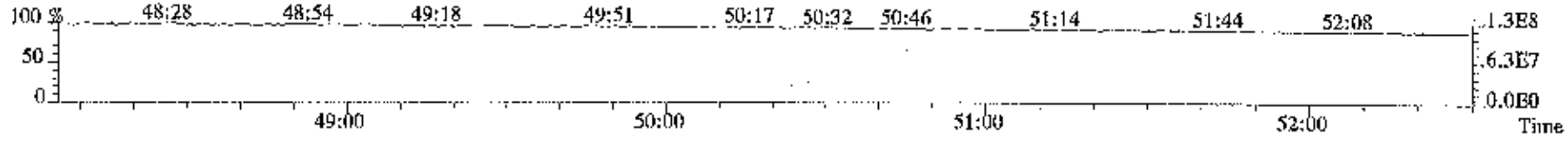
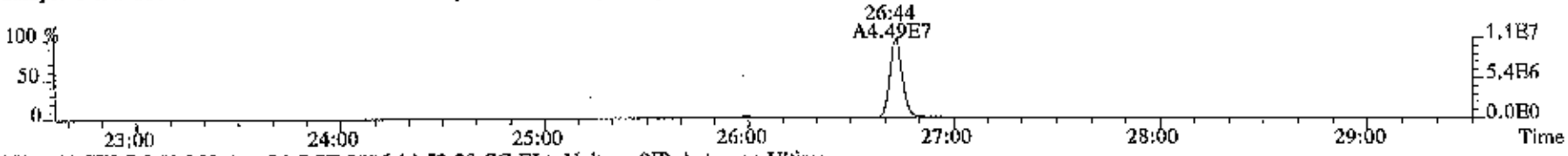
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



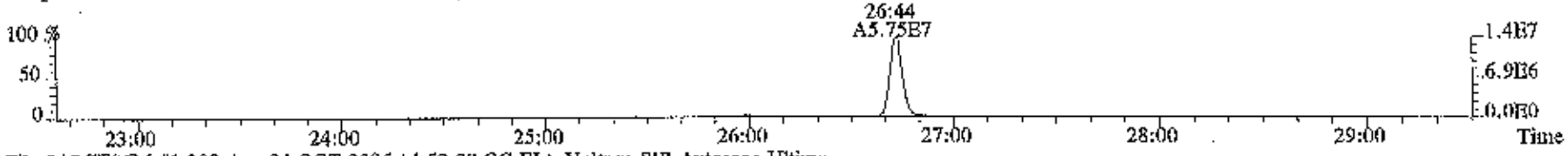
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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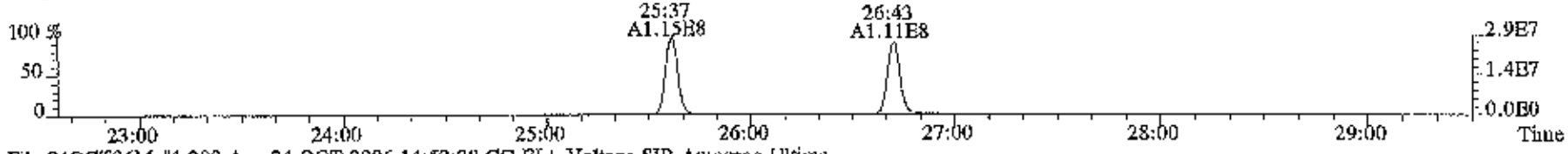
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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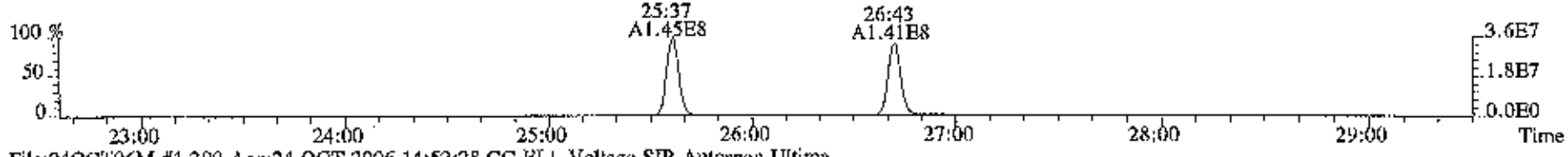
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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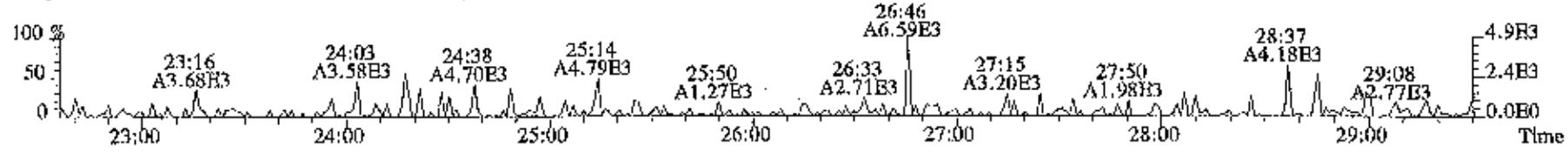
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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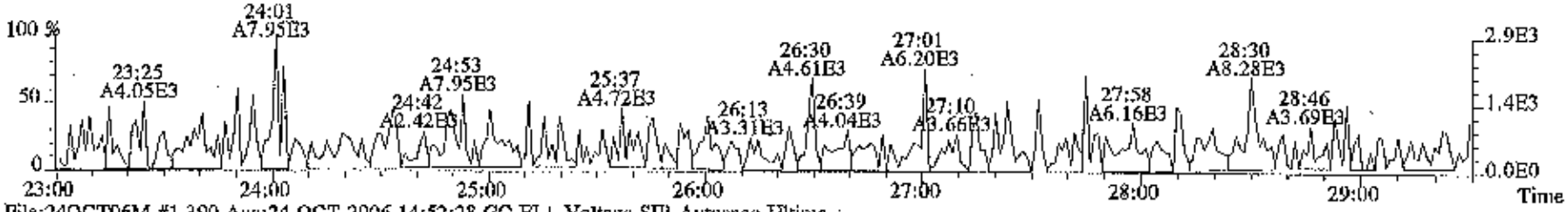
339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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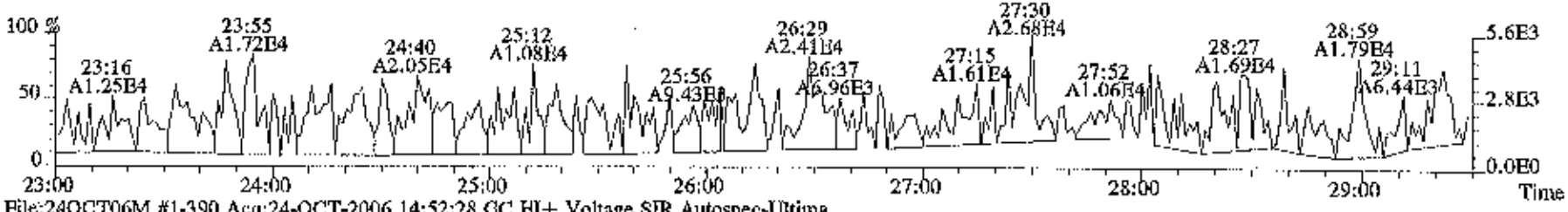
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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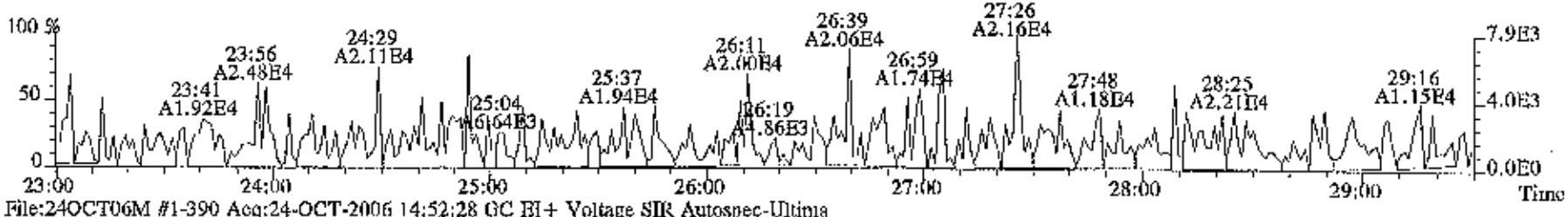
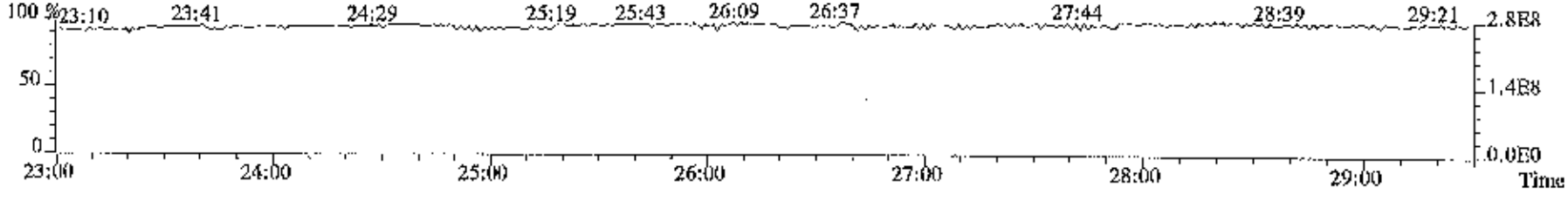
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-390 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:5 Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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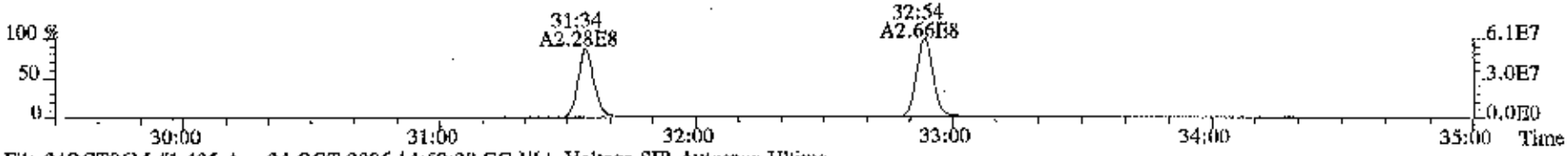
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
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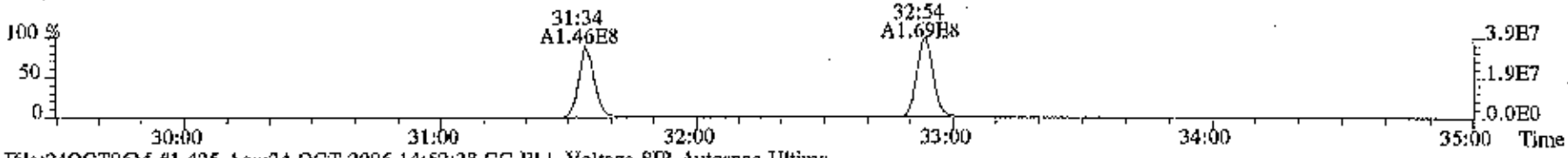
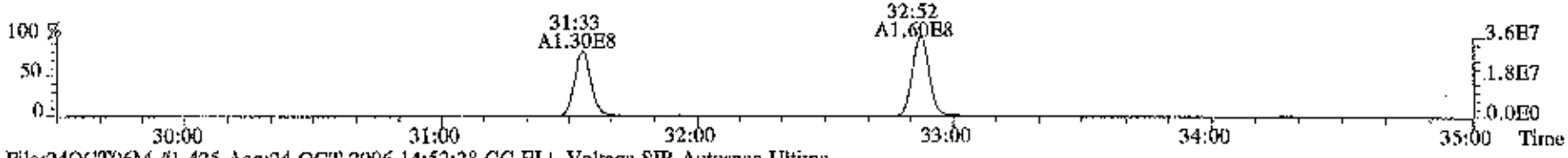
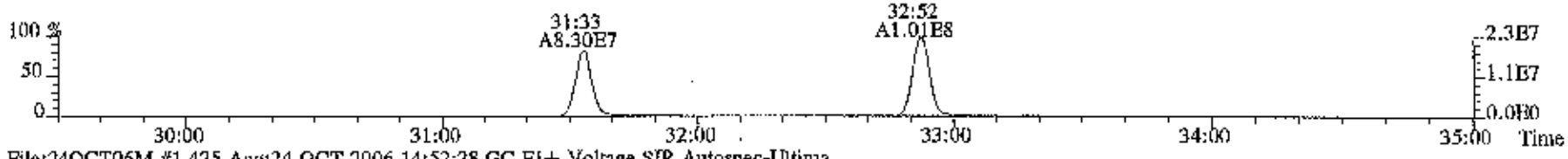
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



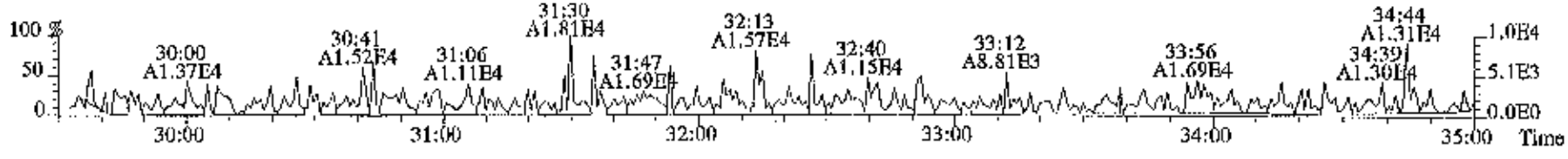
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



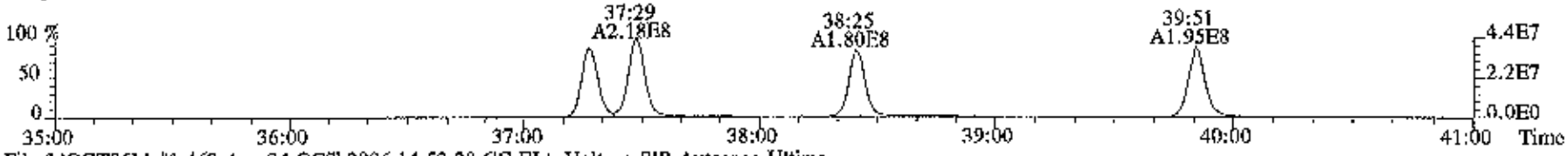
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



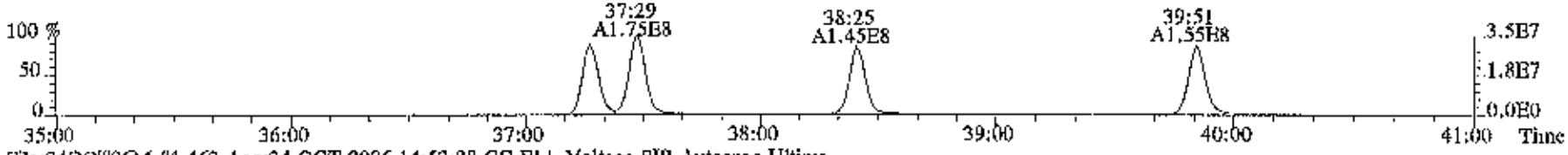
File:24OCT06M #1-425 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



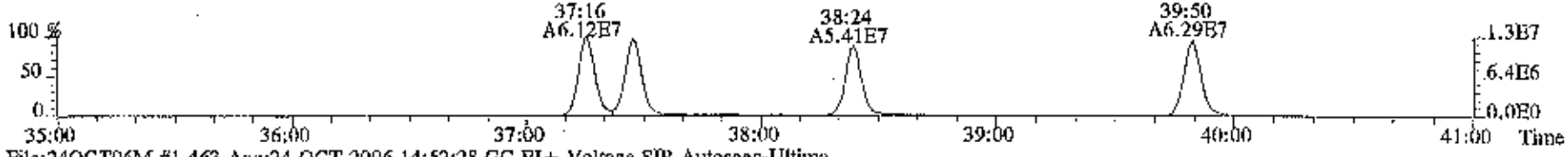
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



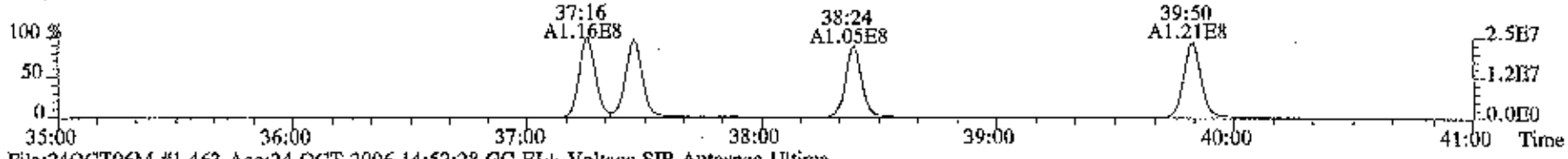
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



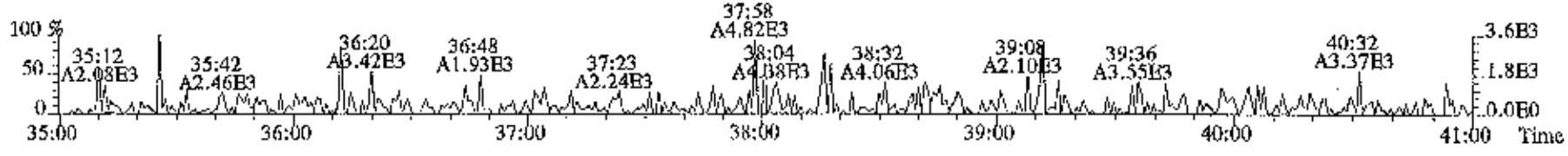
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



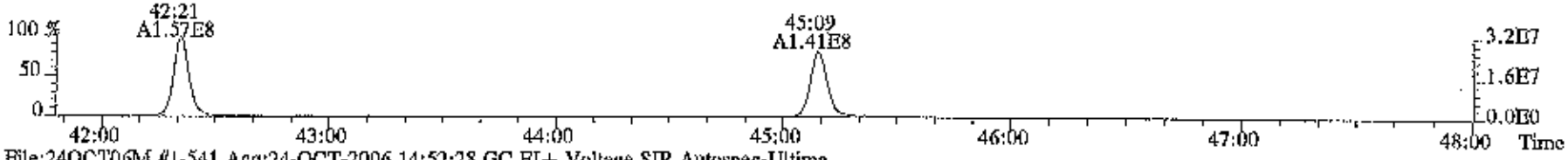
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



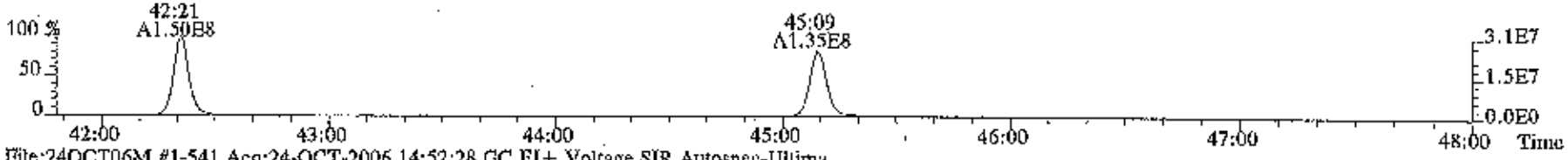
File:24OCT06M #1-463 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



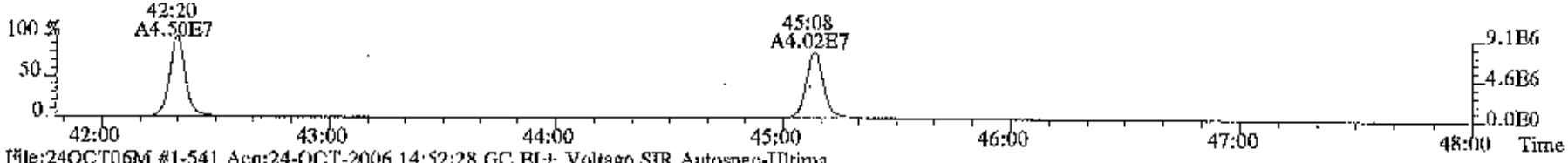
File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-541 Acq:24-OCT-2006 14:52:28 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:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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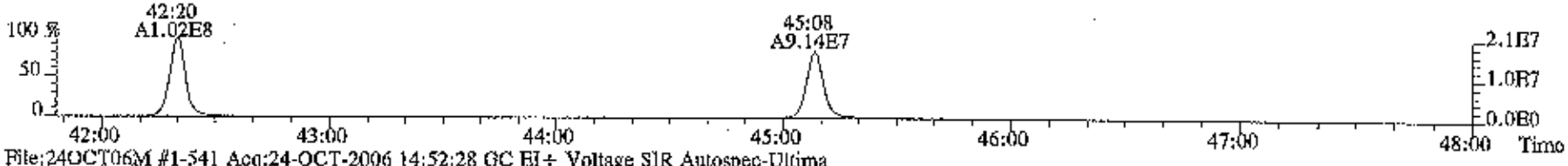
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



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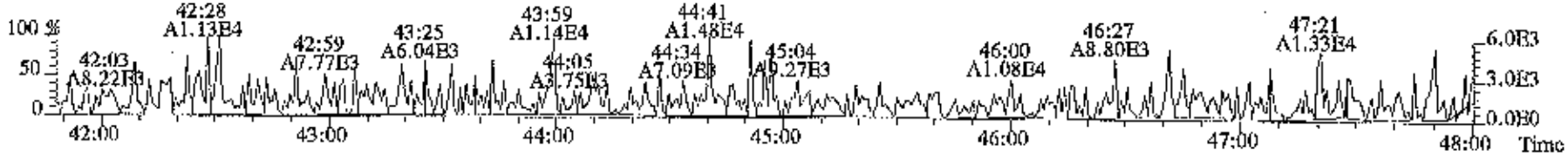
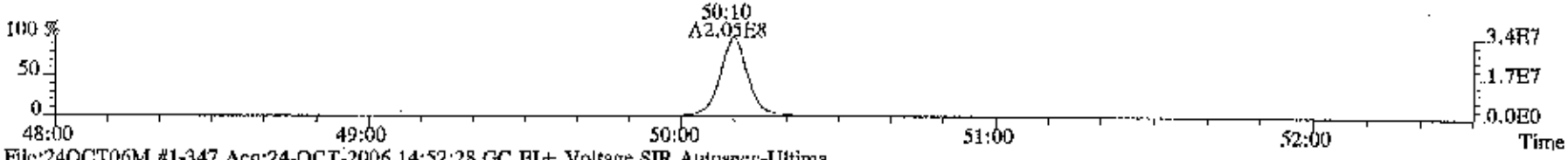
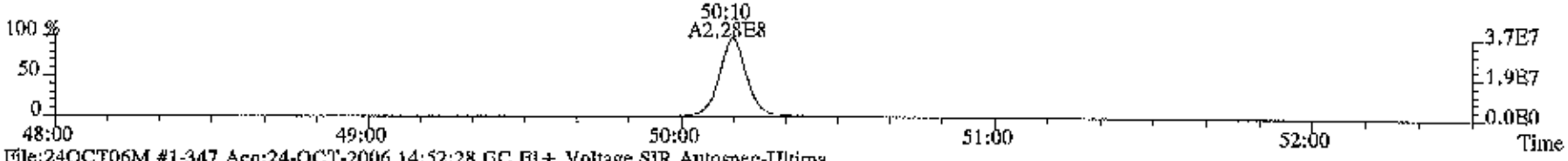
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



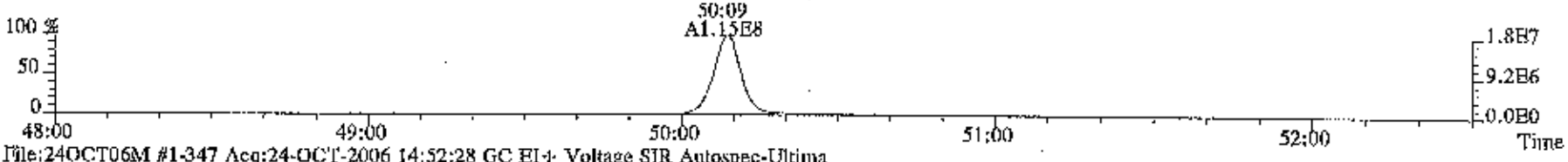
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



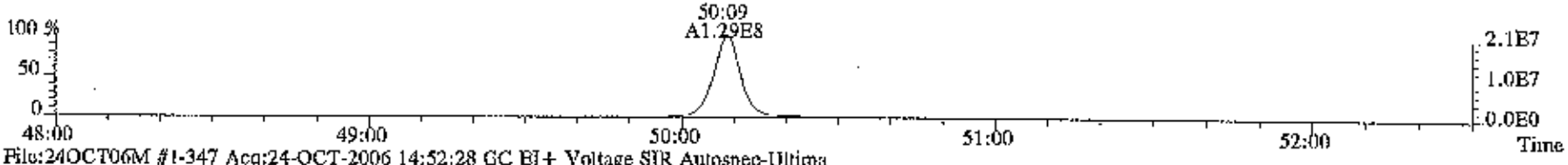
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



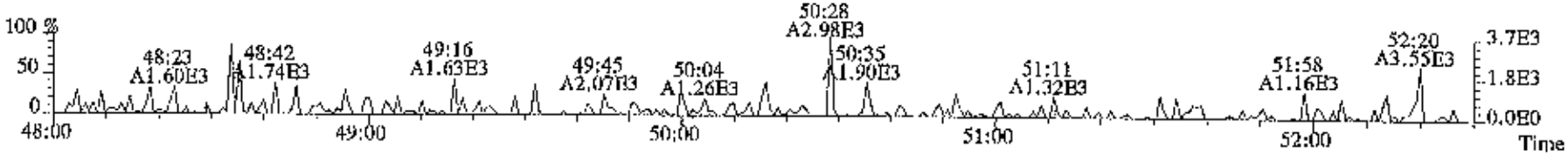
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



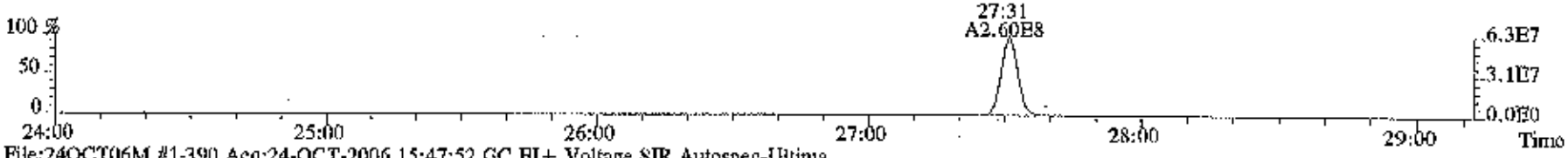
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



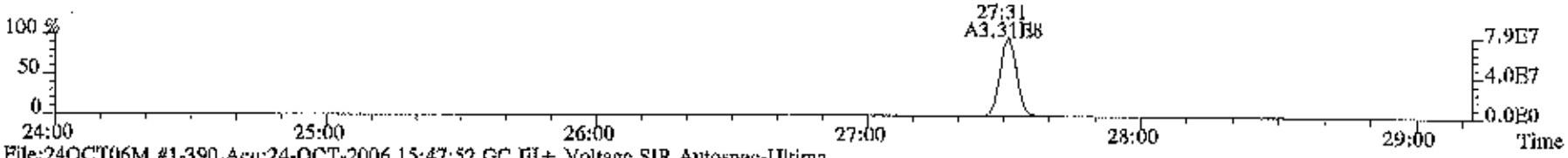
File:24OCT06M #1-347 Acq:24-OCT-2006 14:52:28 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M4 File Text:Frontier Analytical Laboratory Analyst ID:BS



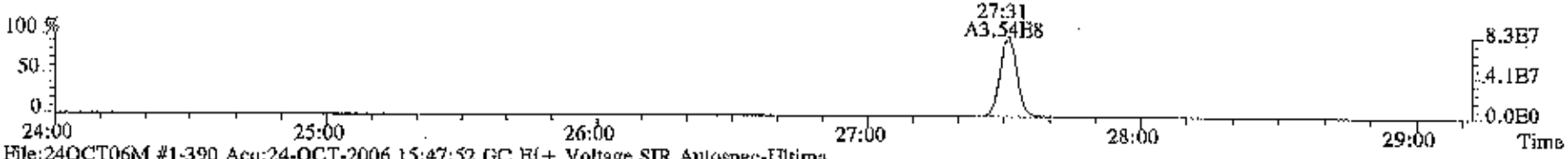
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



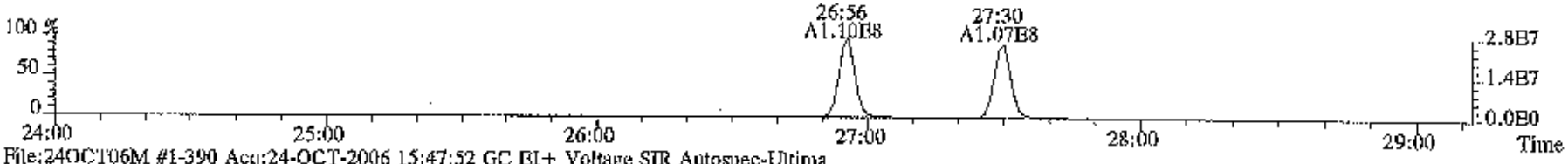
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



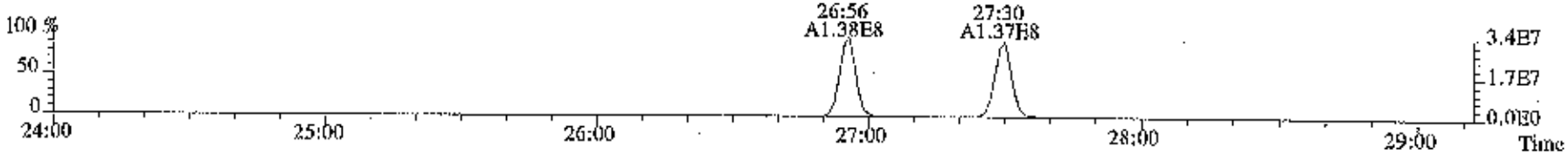
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



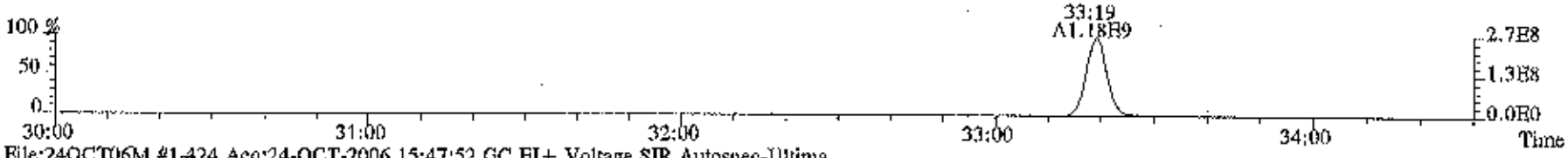
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



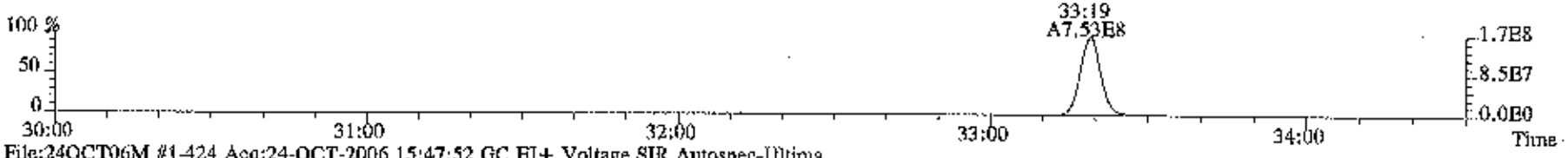
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



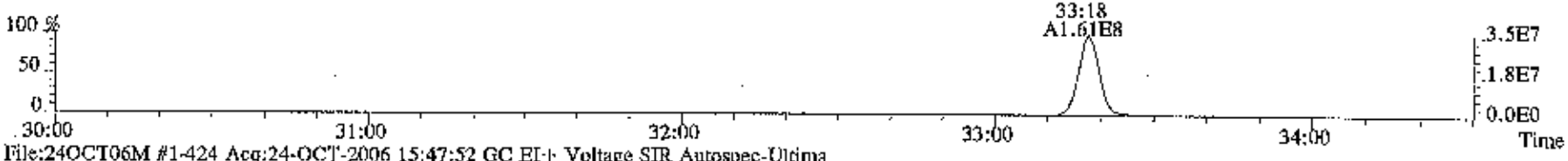
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



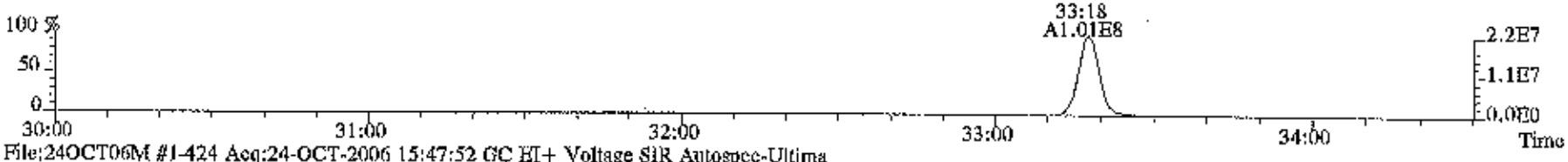
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



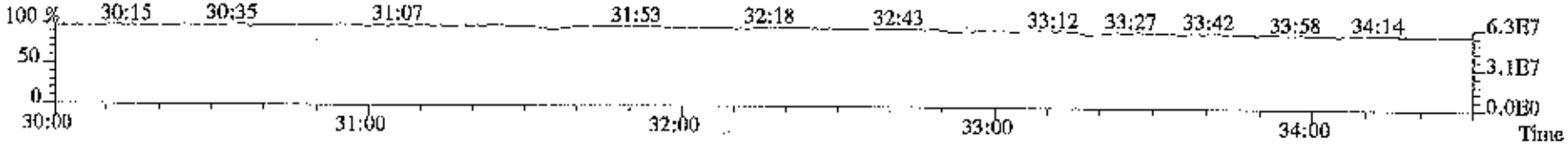
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



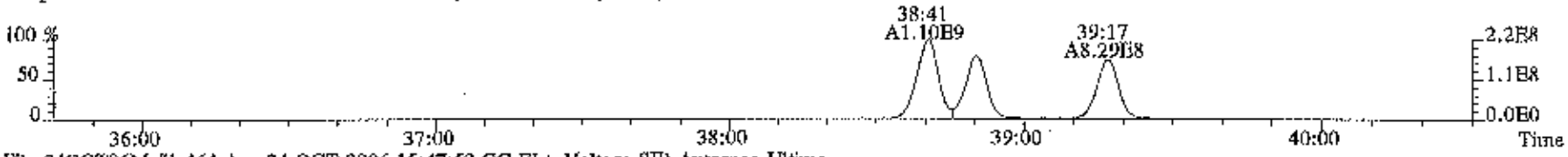
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



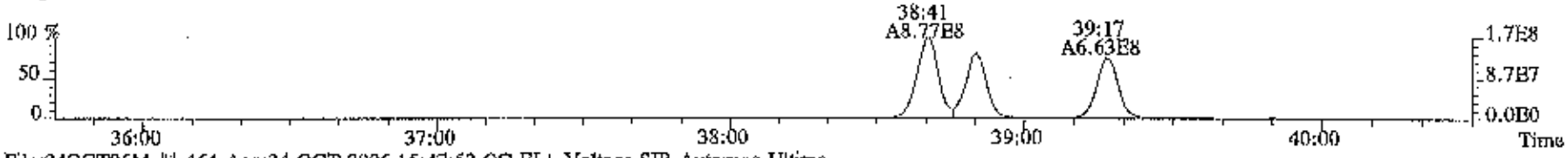
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:6 F:2 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



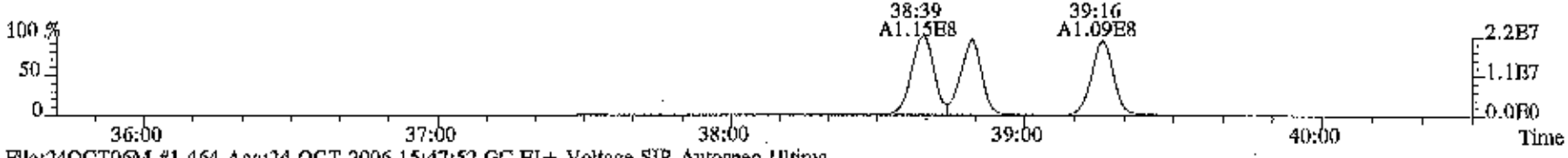
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 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:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 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:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



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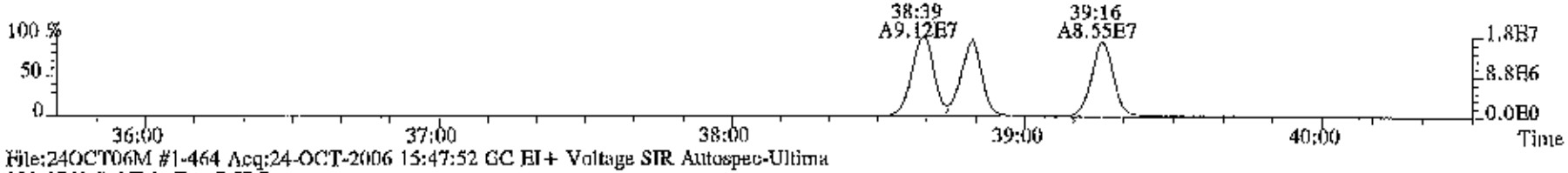
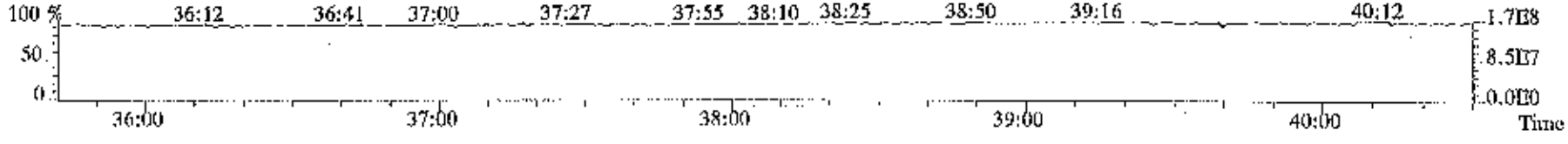
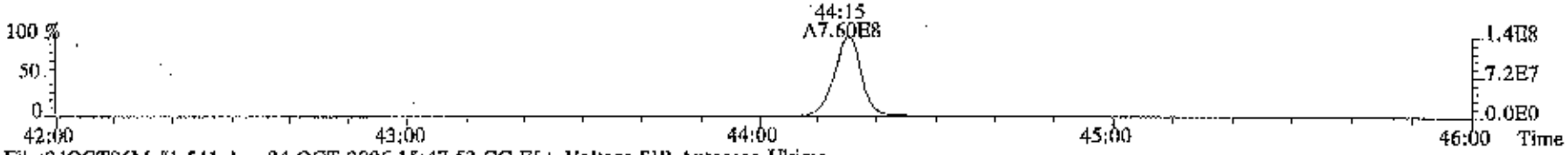
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



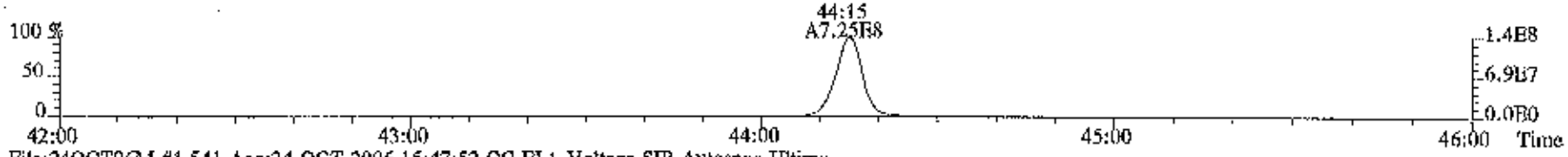
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:6 F:3 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



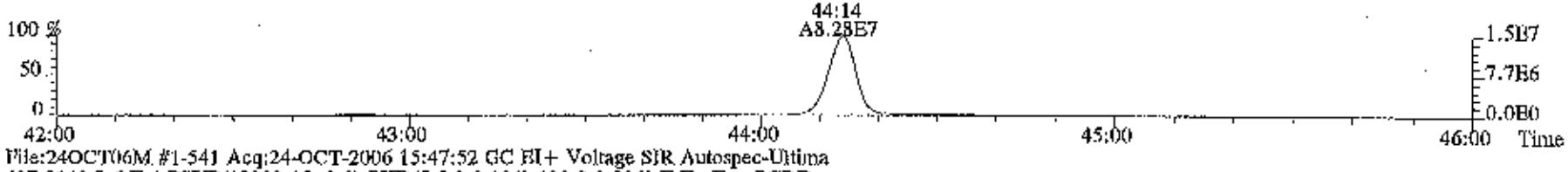
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



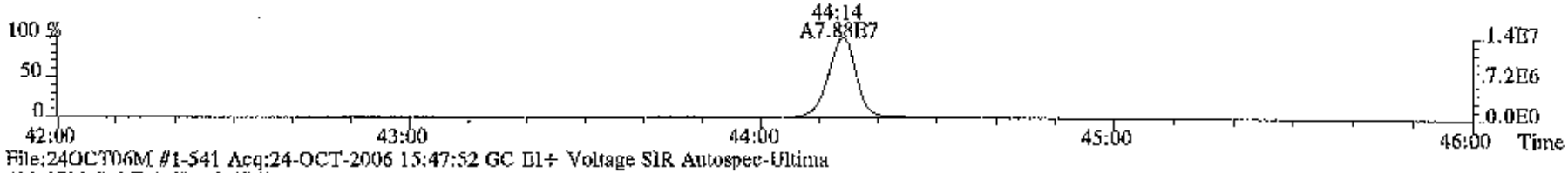
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



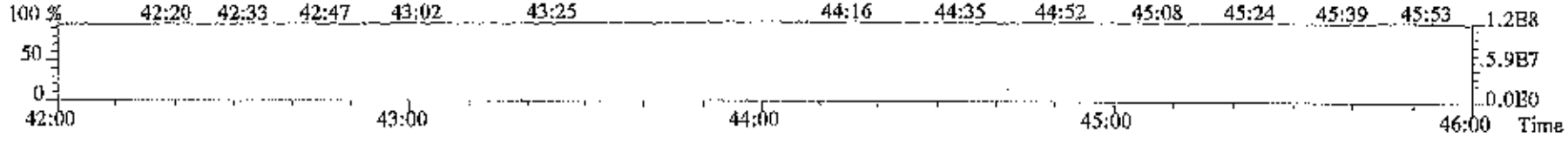
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



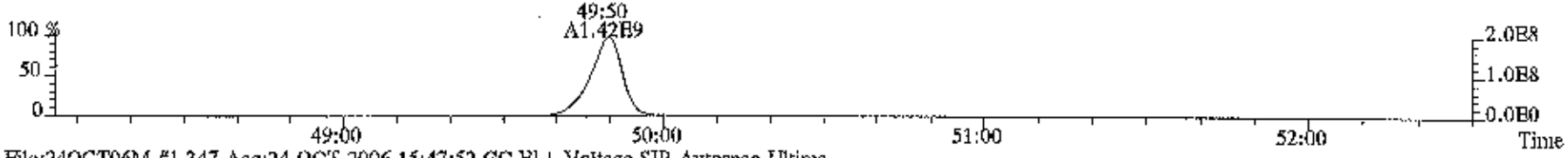
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



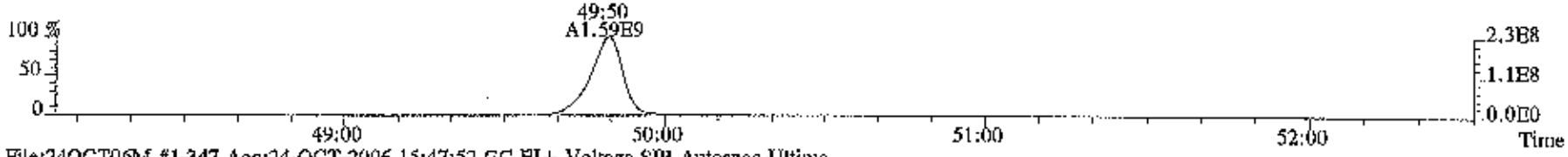
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:6 F:4 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



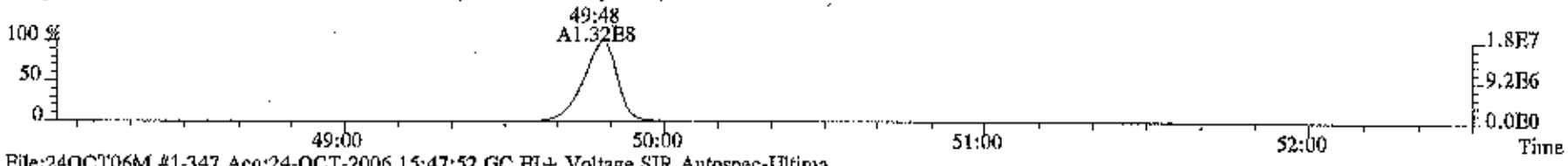
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



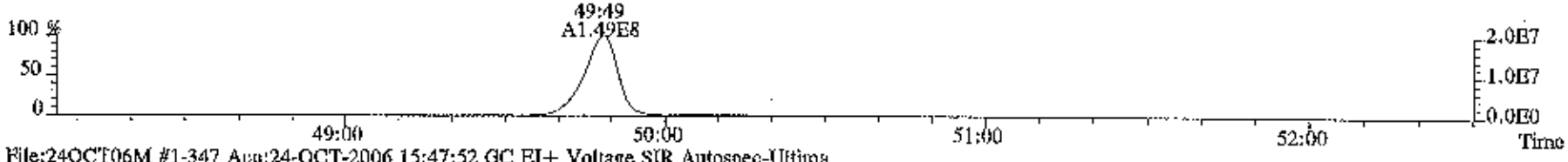
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



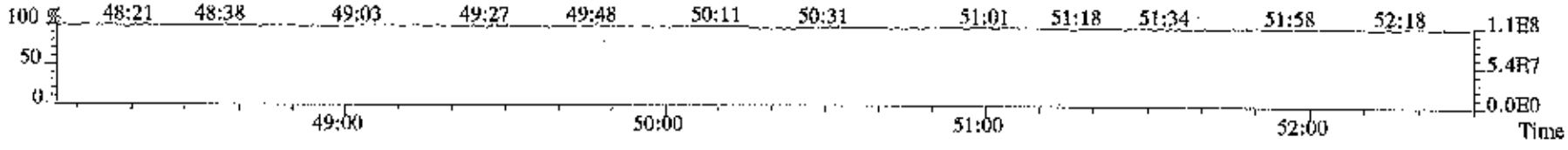
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



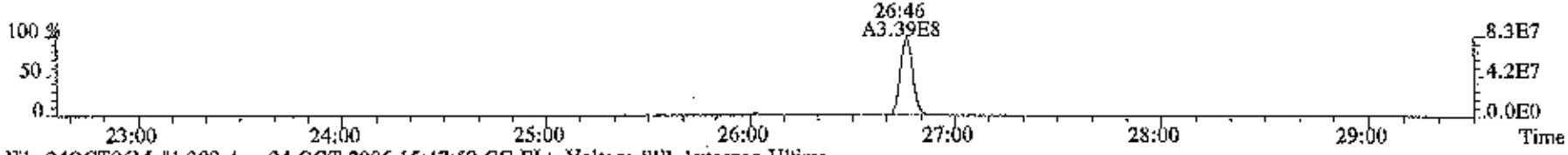
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



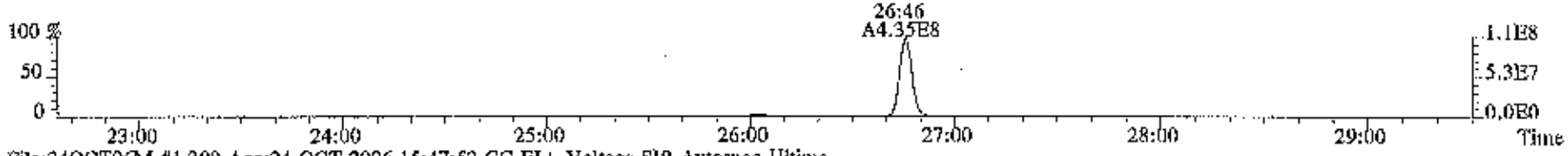
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:6 F:5 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



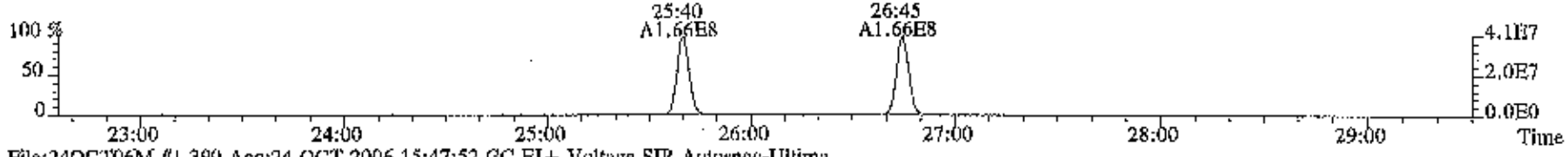
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



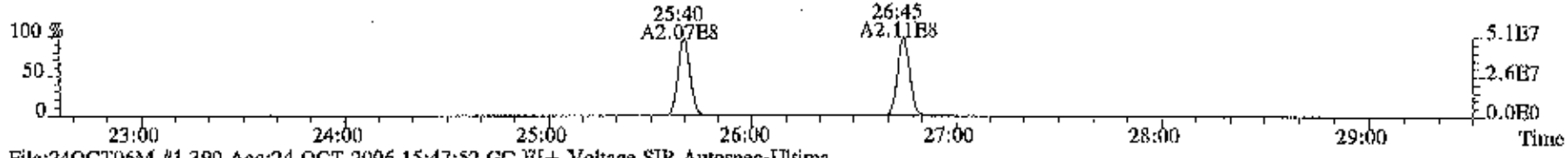
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



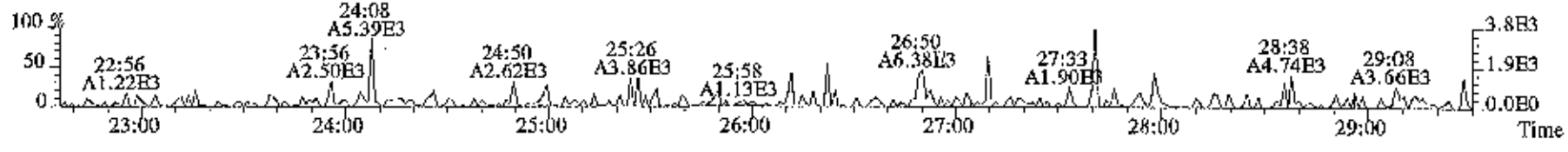
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



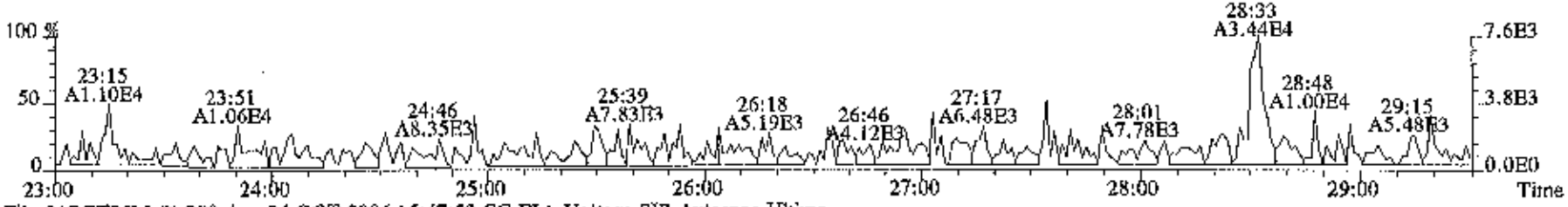
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



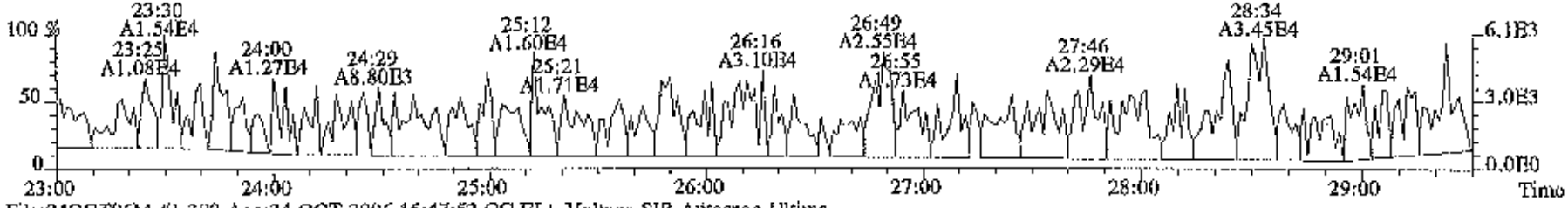
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



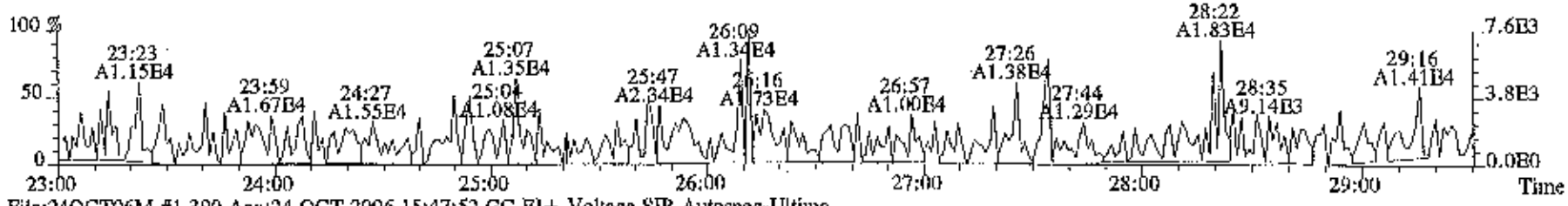
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



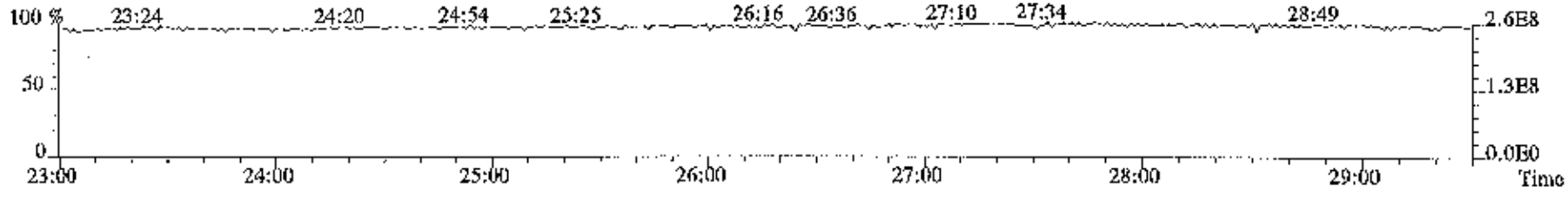
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



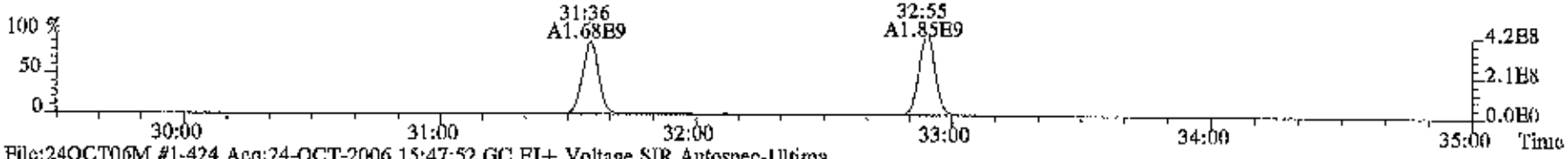
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



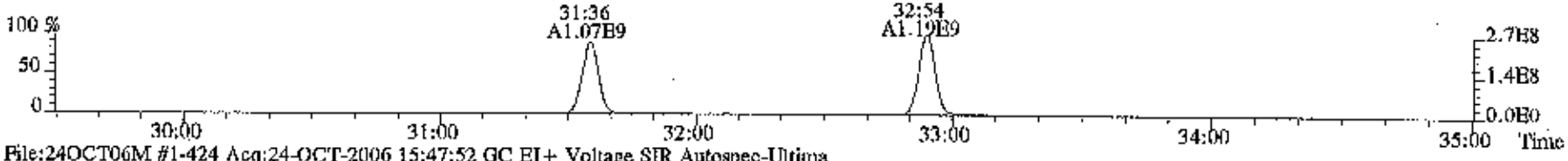
File:24OCT06M #1-390 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:6 Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



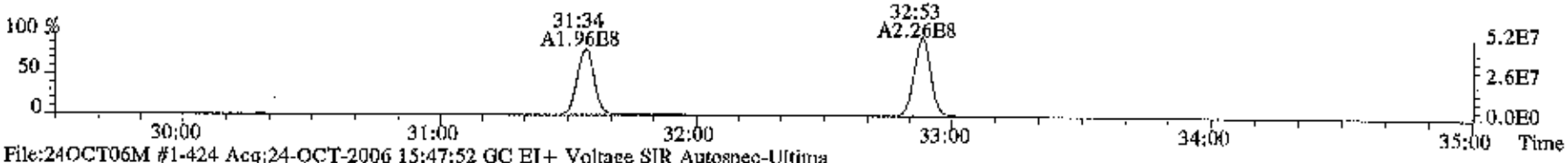
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



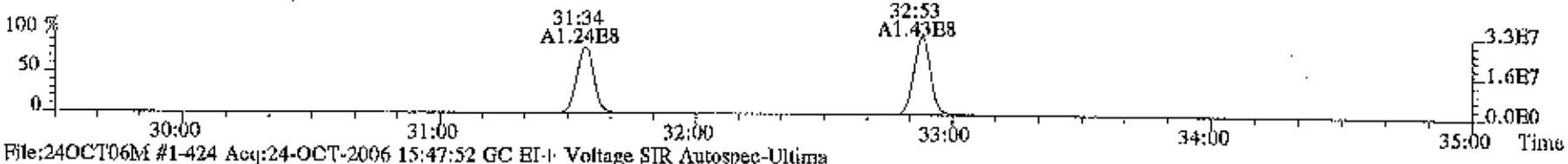
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



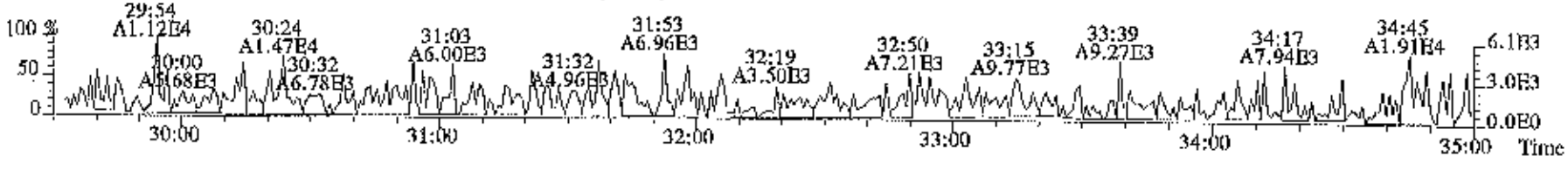
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



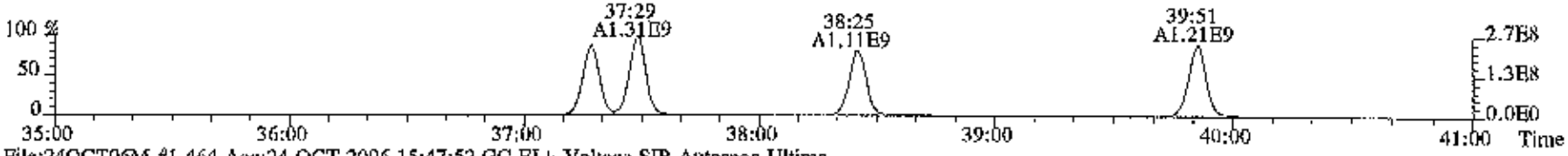
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



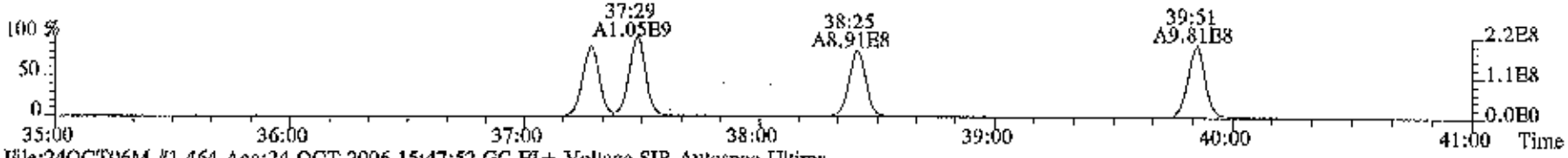
File:24OCT06M #1-424 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



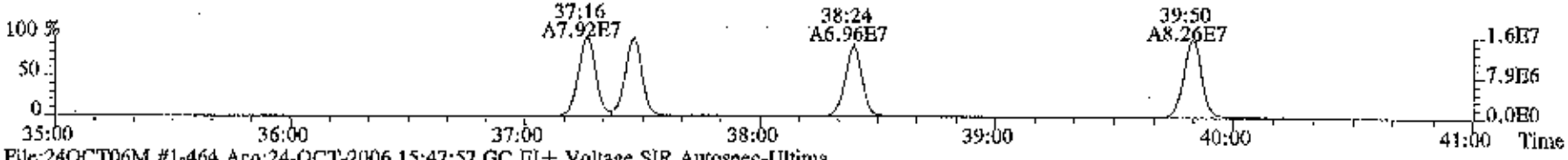
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



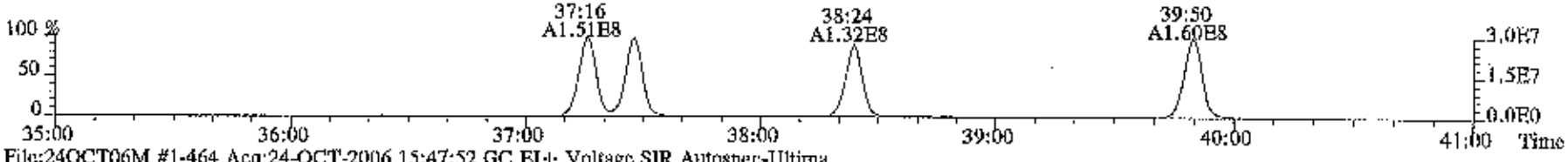
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



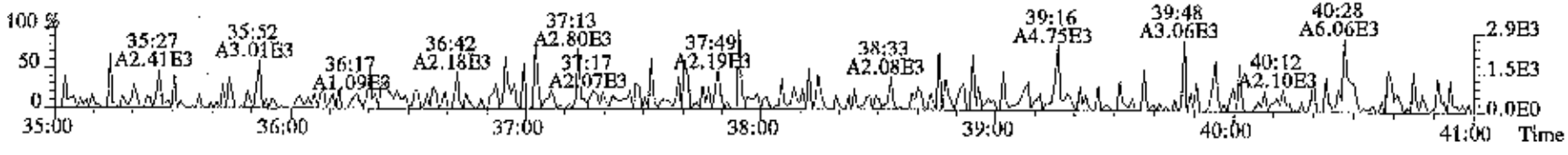
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



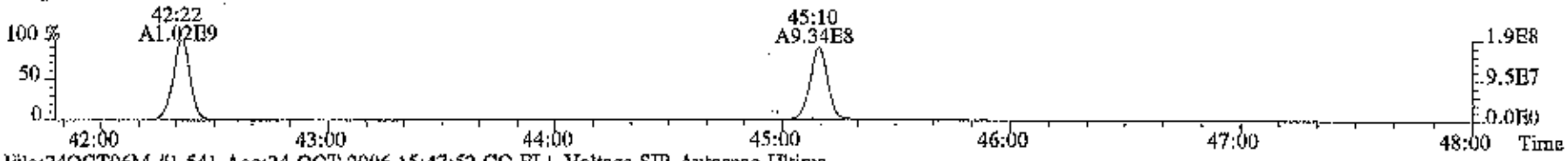
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



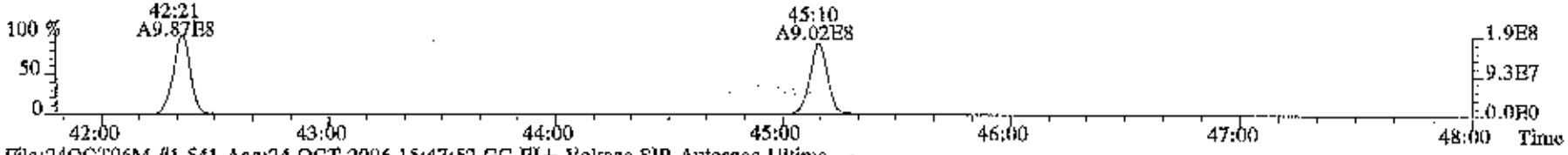
File:24OCT06M #1-464 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



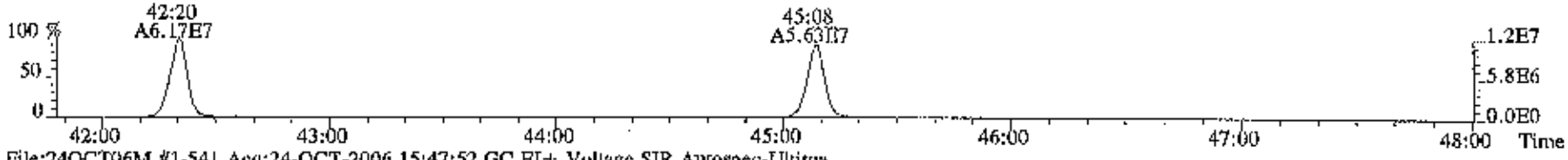
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



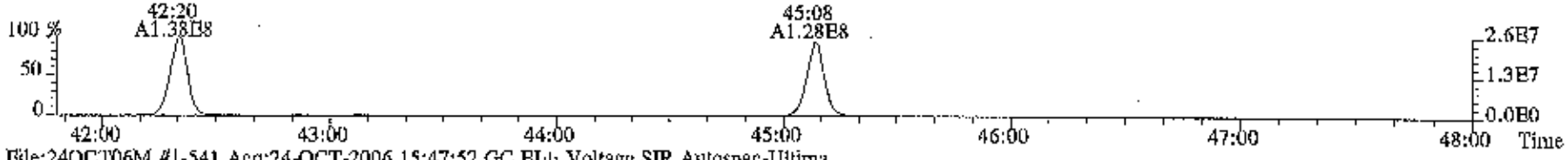
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



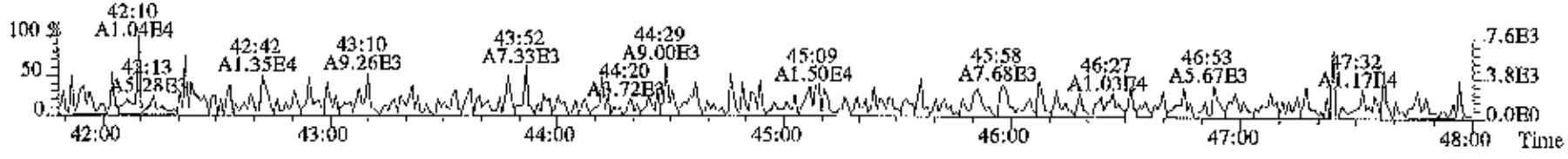
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



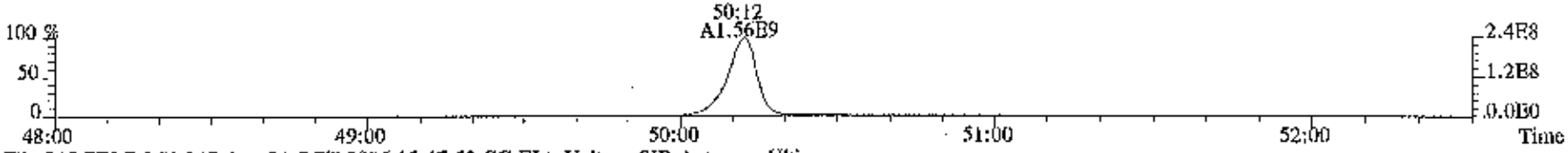
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



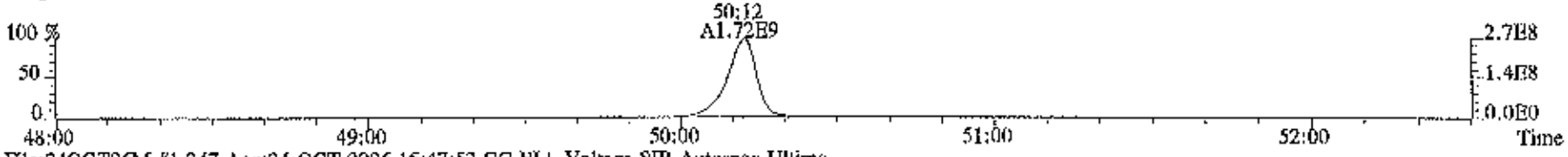
File:24OCT06M #1-541 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



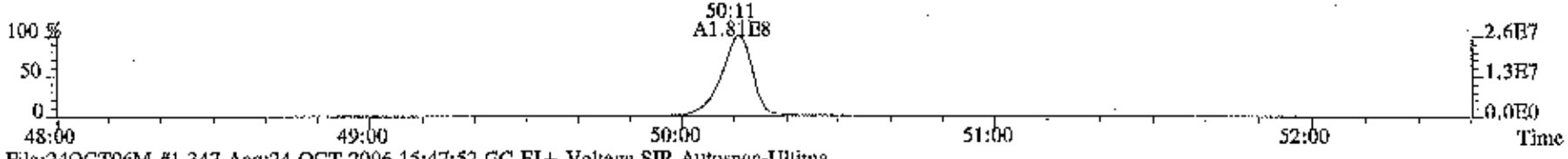
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



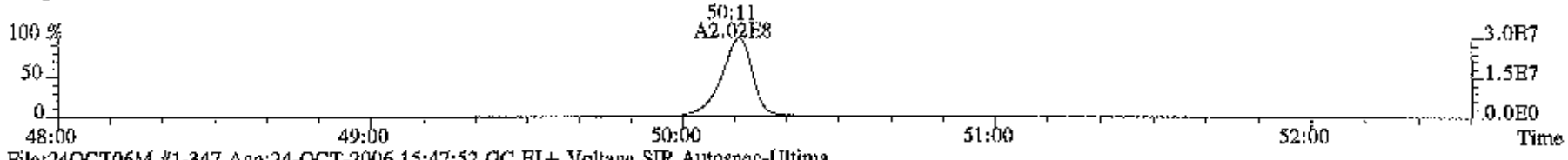
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



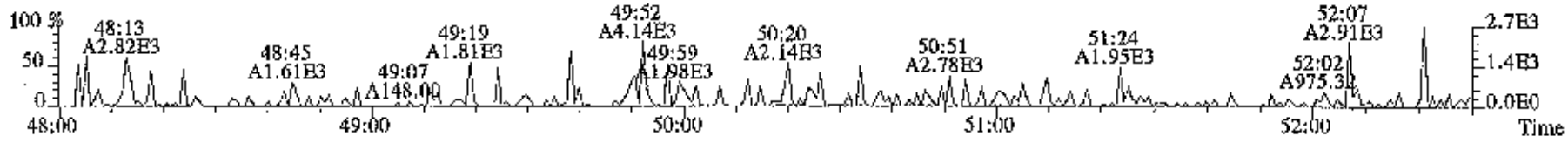
File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 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:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



File:24OCT06M #1-347 Acq:24-OCT-2006 15:47:52 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:ST102406M5 File Text:Frontier Analytical Laboratory Analyst ID:BS



Frontier Analytical Laboratory

Data Filename: Z40CT06M

Analyte: Cal: PCDDFAL3-10-24-06

Name	RRF	S. D.	%RSD	S2 RRF#1	S3 RRF#2	S4 RRF#3	S1 RRF#4	S5 RRF#5	S6 RRF#6
2,3,7,8-TCDD	1.19	0.0435	3.65 %	1.23	1.14	1.13	1.23	1.21	1.21
1,2,3,7,8-PeCDD	0.69	0.0456	6.56 %	0.66	0.63	0.68	0.71	0.74	0.74
1,2,3,4,7,8-HxCDD	0.94	0.0375	3.98 %	0.91	0.90	0.92	0.98	0.98	0.96
1,2,3,6,7,8-HxCDD	0.81	0.0329	4.05 %	0.79	0.77	0.79	0.84	0.86	0.82
1,2,3,7,8,9-HxCDD	0.74	0.0306	4.12 %	0.72	0.70	0.73	0.78	0.77	0.75
1,2,3,4,6,7,8-HpCDD	0.89	0.0432	4.84 %	0.86	0.83	0.87	0.93	0.94	0.92
OCDD	1.03	0.0563	5.47 %	1.01	0.95	0.99	1.07	1.09	1.07
2,3,7,8-TCDF	0.97	0.0495	5.09 %	0.96	0.89	0.96	0.98	1.02	1.02
1,2,3,7,8-PeCDF	0.82	0.0524	6.38 %	0.76	0.75	0.81	0.86	0.88	0.86
2,3,4,7,8-PeCDF	0.78	0.0491	6.31 %	0.73	0.71	0.77	0.80	0.83	0.82
1,2,3,4,7,8-HxCDF	0.90	0.0248	2.75 %	0.89	0.87	0.88	0.92	0.94	0.90
1,2,3,6,7,8-HxCDF	1.02	0.0518	5.08 %	0.98	0.95	1.00	1.06	1.08	1.04
2,3,4,6,7,8-HxCDF	0.97	0.0381	3.93 %	0.94	0.92	0.95	0.98	1.02	0.99
1,2,3,7,8,9-HxCDF	0.89	0.0417	4.67 %	0.89	0.84	0.86	0.92	0.95	0.90
1,2,3,4,6,7,8-HpCDF	0.99	0.0402	4.05 %	0.96	0.94	0.98	1.02	1.05	1.01
1,2,3,4,7,8,9-HpCDF	0.98	0.0489	4.99 %	0.95	0.91	0.97	1.01	1.05	1.00
OCDF	0.84	0.0403	4.79 %	0.84	0.77	0.83	0.87	0.89	0.86
13C-2,3,7,8-TCDD	0.95	0.0197	2.08 %	0.94	0.93	0.94	0.95	0.95	0.99
13C-1,2,3,7,8-PeCDD	1.06	0.0288	2.72 %	1.10	1.04	1.03	1.04	1.09	1.06
13C-1,2,3,4,7,8-HxCDD	1.05	0.0291	2.76 %	1.10	1.02	1.04	1.06	1.03	1.06
13C-1,2,3,6,7,8-HxCDD	1.00	0.0258	2.59 %	1.02	0.98	1.02	1.02	0.96	0.97
13C-1,2,3,4,6,7,8-HpCDD	0.82	0.0348	4.24 %	0.86	0.79	0.85	0.83	0.77	0.83
13C-OCDD	0.68	0.0483	7.10 %	0.71	0.65	0.72	0.68	0.60	0.72
13C-2,3,7,8-TCDF	0.98	0.0181	1.83 %	0.97	0.98	1.00	0.98	0.97	1.01
13C-1,2,3,7,8-PeCDF	0.83	0.0193	2.33 %	0.85	0.82	0.81	0.83	0.82	0.86
13C-2,3,4,7,8-PeCDF	0.97	0.0231	2.37 %	0.99	0.95	0.95	0.95	1.00	0.99
13C-1,2,3,4,7,8-HxCDF	1.28	0.0707	5.52 %	1.38	1.31	1.28	1.32	1.22	1.19
13C-1,2,3,6,7,8-HxCDF	1.29	0.0751	5.83 %	1.38	1.31	1.29	1.34	1.24	1.17
13C-2,3,4,6,7,8-HxCDF	1.12	0.0572	5.08 %	1.20	1.14	1.12	1.16	1.09	1.04
13C-1,2,3,7,8,9-HxCDF	1.27	0.0368	2.90 %	1.34	1.24	1.24	1.27	1.26	1.25
13C-1,2,3,4,6,7,8-HpCDF	1.06	0.0524	4.96 %	1.14	1.03	1.05	1.10	1.00	1.03
13C-1,2,3,4,7,8,9-HpCDF	0.94	0.0423	4.48 %	1.01	0.90	0.96	0.95	0.90	0.95
13C-OCDF	0.95	0.0670	7.07 %	1.01	0.91	1.00	0.94	0.84	0.99
37Cl-2,3,7,8-TCDD	0.65	0.0450	6.90 %	0.60	0.60	0.66	0.65	0.69	0.72
13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-
13C-1,2,3,4-TCDF	-	-	- %	-	-	-	-	-	-
13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-
Total Tetra-Dioxins	1.19	0.0435	3.65 %	1.23	1.14	1.13	1.23	1.21	1.21
Total Penta-Dioxins	0.69	0.0456	6.56 %	0.66	0.63	0.68	0.71	0.74	0.74
Total Hexa-Dioxins	0.83	0.0337	4.04 %	0.81	0.79	0.81	0.87	0.87	0.85
Total Hepta-Dioxins	0.89	0.0432	4.84 %	0.86	0.83	0.87	0.93	0.94	0.92
Total Tetra-Furans	0.97	0.0495	5.09 %	0.96	0.89	0.96	0.98	1.02	1.02
1st Fn. Tot Penta-Furans	0.80	0.0503	6.31 %	0.74	0.73	0.79	0.83	0.85	0.84
Total Penta-Furans	0.80	0.0503	6.31 %	0.74	0.73	0.79	0.83	0.85	0.84
Total Hexa-Furans	0.95	0.0381	4.03 %	0.92	0.89	0.93	0.97	1.00	0.96
Total Hepta-Furans	0.99	0.0442	4.47 %	0.96	0.93	0.97	1.02	1.05	1.00

Analyst: [signature] Date: 10/25/06

Frontier Analytical Laboratory - Acquisition Log

Run Name:24OCT06M Instrument: FAL3 GC: DB5 Experiment:PCDD

Data File	S	FAL ID	Client ID	Acquired	ConCal	EndCal	Analyst
24OCT06M	1	ST102406M3	1613 CS3 061011J	24-OCT-06 11:10:51	NA	NA	DV
24OCT06M	2	ST102406M0	1613 CS0 061011G	24-OCT-06 12:06:14	NA	NA	DV
24OCT06M	3	ST102406M1	1613 CS1 061011H	24-OCT-06 13:01:38	NA	NA	DV
24OCT06M	4	ST102406M2	1613 CS2 061011I	24-OCT-06 13:57:01	NA	NA	DV
24OCT06M	5	ST102406M4	1613 CS4 061011K	24-OCT-06 14:52:28	NA	NA	DV
24OCT06M	6	ST102406M5	1613 CS5 061011L	24-OCT-06 15:47:52	NA	NA	DV
24OCT06M	7	SB102406M1	Solvent Blank	24-OCT-06 16:43:12	NA	NA	DV
24OCT06M	8	4005-001-0003-DUP	LPTP06-S3	24-OCT-06 17:38:36	NA	NA	DV
24OCT06M	9	SB102406M2	Solvent Blank	24-OCT-06 18:34:03	NA	NA	DV
24OCT06M	10	ST102406M6	1613 CS3 061011J	24-OCT-06 19:29:31	NA	NA	DV
24OCT06M	11	ST102406M7	1613 CS3 (051212J)	24-OCT-06 20:24:55	ST102406M7	ST102406M8	DV
24OCT06M	12	0988-001-0001-OPR	OPR	24-OCT-06 21:20:18	ST102406M7	ST102406M8	DV
24OCT06M	13	0988-001-0001-MB	Method Blank	24-OCT-06 22:15:42	ST102406M7	ST102406M8	DV
24OCT06M	14	4117-001-0001-SA	WWTP Eff. Comp.	24-OCT-06 23:11:05	ST102406M7	ST102406M8	DV
24OCT06M	15	4118-001-0001-SA	IPJ1685-01	25-OCT-06 00:06:25	ST102406M7	ST102406M8	DV
24OCT06M	16	4120-001-0001-SA	6100583-01	25-OCT-06 01:01:47	ST102406M7	ST102406M8	DV
24OCT06M	17	SB102406M3	Solvent Blank	25-OCT-06 01:57:11	ST102406M7	ST102406M8	DV
24OCT06M	18	ST102406M8	1613 CS3 (051212J)	25-OCT-06 02:52:35	ST102406M7	ST102406M8	DV

10/25/06

Data Backed Up:_____

Date:_____

Run #1 filename 24OCT06M S: 2 Acquired: 24-OCT-06 12:06:14 Cal: PCDDFAL3-10-24-06
Client ID: ST102406MO Analyte: FAL ID: 1613 CS0 061011G

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.25	5.93e+05	0.84 y	27:30	-	1.23	y
2	Unk	1,2,3,7,8-PeCDD	1.25	1.86e+06	1.57 y	33:19	-	0.661	y
3	Unk	1,2,3,4,7,8-HxCDD	1.25	2.03e+06	1.33 y	38:40	-	0.915	y
4	Unk	1,2,3,6,7,8-HxCDD	1.25	1.62e+06	1.26 y	38:50	-	0.790	y
5	Unk	1,2,3,7,8,9-HxCDD	1.25	1.55e+06	1.26 y	39:16	-	0.724	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	1.50e+06	1.10 y	44:15	-	0.863	y
7	Unk	OCDD	2.50	2.89e+06	0.90 y	49:47	-	1.01	y
8	Unk	2,3,7,8-TCDF	0.25	7.47e+05	0.70 y	26:45	-	0.961	y
9	Unk	1,2,3,7,8-PeCDF	1.25	2.60e+06	1.59 y	31:34	-	0.765	y
10	Unk	2,3,4,7,8-PeCDF	1.25	2.89e+06	1.61 y	32:53	-	0.726	y
11	Unk	1,2,3,4,7,8-HxCDF	1.25	2.49e+06	1.24 y	37:16	-	0.894	y
12	Unk	1,2,3,6,7,8-HxCDF	1.25	2.72e+06	1.30 y	37:28	-	0.978	y
13	Unk	2,3,4,6,7,8-HxCDF	1.25	2.28e+06	1.25 y	38:24	-	0.940	y
14	Unk	1,2,3,7,8,9-HxCDF	1.25	2.39e+06	1.25 y	39:50	-	0.886	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	2.22e+06	1.08 y	42:20	-	0.963	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	1.94e+06	1.06 y	45:09	-	0.952	y
17	Unk	OCDF	2.50	3.42e+06	0.90 y	50:10	-	0.840	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.93e+08	0.78 y	27:29	-	0.938	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.25e+08	1.59 y	33:17	-	1.10	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.78e+08	1.27 y	38:38	-	1.10	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.64e+08	1.26 y	38:48	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.39e+08	1.05 y	44:13	-	0.863	y
23	IS	13C-OCDD	200.00	2.29e+08	0.90 y	49:46	-	0.711	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.11e+08	0.80 y	26:44	-	0.966	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.72e+08	1.58 y	31:34	-	0.846	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.19e+08	1.57 y	32:53	-	0.990	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.23e+08	0.52 y	37:15	-	1.38	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.23e+08	0.52 y	37:27	-	1.38	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.94e+08	0.53 y	38:23	-	1.20	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	2.16e+08	0.52 y	39:49	-	1.34	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.84e+08	0.44 y	42:19	-	1.14	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.63e+08	0.44 y	45:08	-	1.01	y
33	IS	13C-OCDF	200.00	3.26e+08	0.89 y	50:08	-	1.01	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.25	3.10e+05		27:30	-	0.603	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.06e+08	0.80 y	26:55	2.06e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.22e+08	0.79 y	25:40	3.22e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.61e+08	1.26 y	39:15	1.61e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.23	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.661	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.811	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.863	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	0.961	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.744	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.744	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.924	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	0.958	y

Analyst: _____ Date: 10/25/06

Run #2 Filename 24OCT06M S: 3 Acquired: 24-OCT-06 13:01:38 Cal: PCDDFAL3-10-24-06
Client ID: ST102406X1 Analyte: FAL ID: 1613 CS1 061011H

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	0.50	1.19e+06	0.75 y	27:30	-	1.14	y
2	Unk	1,2,3,7,8-PeCDD	2.50	3.67e+06	1.53 y	33:19	-	0.629	y
3	Unk	1,2,3,4,7,8-HxCDD	2.50	3.65e+06	1.23 y	38:40	-	0.897	y
4	Unk	1,2,3,6,7,8-HxCDD	2.50	3.01e+06	1.33 y	38:49	-	0.773	y
5	Unk	1,2,3,7,8,9-HxCDD	2.50	2.79e+06	1.26 y	39:17	-	0.700	y
6	Unk	1,2,3,4,6,7,8-HpCDD	2.50	2.59e+06	1.06 y	44:15	-	0.830	y
7	Unk	OCDD	5.00	4.93e+06	0.89 y	49:47	-	0.948	y
8	Unk	2,3,7,8-TCDF	0.50	1.47e+06	0.78 y	26:45	-	0.887	y
9	Unk	1,2,3,7,8-PeCDF	2.50	5.24e+06	1.60 y	31:35	-	0.755	y
10	Unk	2,3,4,7,8-PeCDF	2.50	5.77e+06	1.55 y	32:54	-	0.715	y
11	Unk	1,2,3,4,7,8-HxCDF	2.50	4.51e+06	1.29 y	37:17	-	0.868	y
12	Unk	1,2,3,6,7,8-HxCDF	2.50	4.93e+06	1.22 y	37:28	-	0.949	y
13	Unk	2,3,4,6,7,8-HxCDF	2.50	4.16e+06	1.28 y	38:25	-	0.921	y
14	Unk	1,2,3,7,8,9-HxCDF	2.50	4.11e+06	1.26 y	39:51	-	0.835	y
15	Unk	1,2,3,4,6,7,8-HpCDF	2.50	3.83e+06	1.04 y	42:21	-	0.940	y
16	Unk	1,2,3,4,7,8,9-HpCDF	2.50	3.23e+06	1.04 y	45:09	-	0.908	y
17	Unk	OCDF	5.00	5.61e+06	0.88 y	50:09	-	0.772	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.09e+08	0.79 y	27:29	-	0.929	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.34e+08	1.57 y	33:18	-	1.04	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.63e+08	1.27 y	38:39	-	1.02	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.56e+08	1.29 y	38:49	-	0.981	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.25e+08	1.06 y	44:13	-	0.786	y
23	IS	13C-OCDD	200.00	2.08e+08	0.90 y	49:47	-	0.654	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.31e+08	0.80 y	26:44	-	0.979	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.77e+08	1.58 y	31:33	-	0.821	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.23e+08	1.56 y	32:52	-	0.955	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.08e+08	0.52 y	37:15	-	1.31	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.08e+08	0.52 y	37:27	-	1.31	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.81e+08	0.53 y	38:23	-	1.14	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.97e+08	0.52 y	39:49	-	1.24	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.63e+08	0.44 y	42:20	-	1.03	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.42e+08	0.44 y	45:08	-	0.896	y
33	IS	13C-OCDF	200.00	2.90e+08	0.88 y	50:08	-	0.914	y
34	C/Up	37Cl-2,3,7,8-TCDD	0.50	6.78e+05		27:30	-	0.602	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.25e+08	0.80 y	26:55	2.25e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.38e+08	0.80 y	25:39	3.38e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.59e+08	1.29 y	39:15	1.59e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.14	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.629	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.791	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.830	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	0.887	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.733	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.733	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.893	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	0.925	y

Analyst: [signature] Date: 10/27/06

Run #3 Filename 24OCT06M S: 4 Acquired: 24-OCT-06 13:57:01 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M2 Analyte: FAL ID: 1613 CS2 061011I

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	2.00	4.79e+06	0.78 y	27:30	-	1.13	y
2	Unk	1,2,3,7,8-PeCDD	10.00	1.57e+07	1.59 y	33:19	-	0.681	y
3	Unk	1,2,3,4,7,8-HxCDD	10.00	1.50e+07	1.24 y	38:40	-	0.919	y
4	Unk	1,2,3,6,7,8-HxCDD	10.00	1.27e+07	1.27 y	38:50	-	0.794	y
5	Unk	1,2,3,7,8,9-HxCDD	10.00	1.18e+07	1.23 y	39:17	-	0.729	y
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	1.16e+07	1.06 y	44:14	-	0.869	y
7	Unk	OCDD	20.00	2.24e+07	0.90 y	49:48	-	0.992	y
8	Unk	2,3,7,8-TCDF	2.00	6.56e+06	0.78 y	26:45	-	0.965	y
9	Unk	1,2,3,7,8-PeCDF	10.00	2.23e+07	1.57 y	31:35	-	0.812	y
10	Unk	2,3,4,7,8-PeCDF	10.00	2.51e+07	1.58 y	32:54	-	0.773	y
11	Unk	1,2,3,4,7,8-HxCDF	10.00	1.79e+07	1.27 y	37:17	-	0.885	y
12	Unk	1,2,3,6,7,8-HxCDF	10.00	2.03e+07	1.25 y	37:28	-	1.00	y
13	Unk	2,3,4,6,7,8-HxCDF	10.00	1.68e+07	1.22 y	38:25	-	0.953	y
14	Unk	1,2,3,7,8,9-HxCDF	10.00	1.69e+07	1.24 y	39:51	-	0.864	y
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	1.61e+07	1.05 y	42:21	-	0.980	y
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	1.46e+07	1.03 y	45:09	-	0.970	y
17	Unk	OCDF	20.00	2.61e+07	0.90 y	50:10	-	0.825	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.11e+08	0.78 y	27:29	-	0.940	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.31e+08	1.58 y	33:18	-	1.03	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.64e+08	1.27 y	38:39	-	1.04	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.60e+08	1.26 y	38:49	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.33e+08	1.04 y	44:14	-	0.846	y
23	IS	13C-OCDD	200.00	2.26e+08	0.88 y	49:46	-	0.719	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.40e+08	0.80 y	26:44	-	0.998	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.74e+08	1.58 y	31:33	-	0.805	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.24e+08	1.59 y	32:52	-	0.952	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.02e+08	0.52 y	37:15	-	1.28	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.03e+08	0.52 y	37:28	-	1.29	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.77e+08	0.52 y	38:23	-	1.12	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.96e+08	0.52 y	39:49	-	1.24	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.65e+08	0.44 y	42:20	-	1.05	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.51e+08	0.43 y	45:09	-	0.958	y
33	IS	13C-OCDF	200.00	3.16e+08	0.89 y	50:09	-	1.00	y
34	C/Up	37Cl-2,3,7,8-TCDD	2.00	2.95e+06		27:30	-	0.657	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.25e+08	0.81 y	26:55	2.25e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.41e+08	0.79 y	25:39	3.41e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.57e+08	1.23 y	39:15	1.57e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.13	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.681	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.814	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.869	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	0.965	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.791	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.791	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.926	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	0.975	y

Analyst: [signature] Date: 10/25/06

Run #4 Filename 24OCT06M S: 1 Acquired: 24-OCT-06 11:10:51 Cal: PCDDFAL3-10-24-06
Client ID: ST102406K5 Analyte: FAL ID: 1613 CS3 061011J

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	10.00	1.65e+07	0.77 y	27:28	-	1.23	y
2	Unk	1,2,3,7,8-PeCDD	50.00	5.27e+07	1.59 y	33:19	-	0.714	y
3	Unk	1,2,3,4,7,8-HxCDD	50.00	5.59e+07	1.26 y	38:39	-	0.983	y
4	Unk	1,2,3,6,7,8-HxCDD	50.00	4.58e+07	1.27 y	38:49	-	0.841	y
5	Unk	1,2,3,7,8,9-HxCDD	50.00	4.33e+07	1.27 y	39:16	-	0.777	y
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	4.11e+07	1.05 y	44:15	-	0.927	y
7	Unk	OCDD	100.00	7.71e+07	0.87 y	49:47	-	1.07	y
8	Unk	2,3,7,8-TCDF	10.00	2.06e+07	0.78 y	26:42	-	0.980	y
9	Unk	1,2,3,7,8-PeCDF	50.00	7.60e+07	1.58 y	31:35	-	0.859	y
10	Unk	2,3,4,7,8-PeCDF	50.00	8.09e+07	1.57 y	32:54	-	0.796	y
11	Unk	1,2,3,4,7,8-HxCDF	50.00	6.45e+07	1.27 y	37:17	-	0.916	y
12	Unk	1,2,3,6,7,8-HxCDF	50.00	7.58e+07	1.23 y	37:28	-	1.06	y
13	Unk	2,3,4,6,7,8-HxCDF	50.00	6.09e+07	1.26 y	38:25	-	0.984	y
14	Unk	1,2,3,7,8,9-HxCDF	50.00	6.27e+07	1.27 y	39:50	-	0.920	y
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	6.02e+07	1.04 y	42:20	-	1.02	y
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	5.13e+07	1.04 y	45:08	-	1.01	y
17	Unk	OCDF	100.00	8.72e+07	0.92 y	50:09	-	0.870	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.35e+08	0.78 y	27:26	-	0.951	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	1.47e+08	1.57 y	33:17	-	1.04	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.14e+08	1.27 y	38:39	-	1.06	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.09e+08	1.28 y	38:49	-	1.02	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	8.87e+07	1.06 y	44:13	-	0.830	y
23	IS	13C-OCDD	200.00	1.45e+08	0.89 y	49:45	-	0.676	y
24	IS	13C-2,3,7,8-TCDF	100.00	2.10e+08	0.79 y	26:41	-	0.984	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	1.77e+08	1.57 y	31:33	-	0.829	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	2.03e+08	1.58 y	32:52	-	0.953	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	1.41e+08	0.52 y	37:15	-	1.32	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	1.43e+08	0.52 y	37:27	-	1.34	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.24e+08	0.52 y	38:23	-	1.16	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.36e+08	0.52 y	39:49	-	1.27	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.18e+08	0.43 y	42:20	-	1.10	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.01e+08	0.44 y	45:08	-	0.949	y
33	IS	13C-OCDF	200.00	2.00e+08	0.89 y	50:08	-	0.937	y
34	C/Up	37Cl-2,3,7,8-TCDD	10.00	9.23e+06		27:28	-	0.652	y
35	RS	13C-1,2,3,4-TCDD	100.00	1.41e+08	0.79 y	26:51	1.41e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	2.13e+08	0.80 y	25:35	2.13e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.07e+08	1.26 y	39:15	1.07e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.23	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.714	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.868	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.927	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	0.980	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.825	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.825	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.970	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.02	y

Analyst: [signature] Date: 10/25/06

Run #5 Filename 24OCT06X S: 5 Acquired: 24-OCT-06 14:52:28 Cal: PCDDFAL3-10-24-06
Client ID: ST10240604 Analyte: FAL ID: 1613 CS4 061011K

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	40.00	7.72e+07	0.78 y	27:29	-	1.21	y
2	Unk	1,2,3,7,8-PeCDD	200.00	2.74e+08	1.59 y	33:18	-	0.744	y
3	Unk	1,2,3,4,7,8-HxCDD	200.00	2.96e+08	1.28 y	38:40	-	0.985	y
4	Unk	1,2,3,6,7,8-HxCDD	200.00	2.42e+08	1.23 y	38:50	-	0.859	y
5	Unk	1,2,3,7,8,9-HxCDD	200.00	2.26e+08	1.26 y	39:17	-	0.775	y
6	Unk	1,2,3,4,6,7,8-HpCDD	200.00	2.12e+08	1.03 y	44:15	-	0.938	y
7	Unk	OCDD	400.00	3.82e+08	0.89 y	49:47	-	1.09	y
8	Unk	2,3,7,8-TCDF	40.00	1.02e+08	0.78 y	26:44	-	1.02	y
9	Unk	1,2,3,7,8-PeCDF	200.00	3.74e+08	1.57 y	31:34	-	0.877	y
10	Unk	2,3,4,7,8-PeCDF	200.00	4.35e+08	1.57 y	32:54	-	0.833	y
11	Unk	1,2,3,4,7,8-HxCDF	200.00	3.33e+08	1.25 y	37:16	-	0.939	y
12	Unk	1,2,3,6,7,8-HxCDF	200.00	3.93e+08	1.25 y	37:29	-	1.08	y
13	Unk	2,3,4,6,7,8-HxCDF	200.00	3.25e+08	1.25 y	38:25	-	1.02	y
14	Unk	1,2,3,7,8,9-HxCDF	200.00	3.50e+08	1.26 y	39:51	-	0.953	y
15	Unk	1,2,3,4,6,7,8-HpCDF	200.00	3.07e+08	1.04 y	42:21	-	1.05	y
16	Unk	1,2,3,4,7,8,9-HpCDF	200.00	2.76e+08	1.04 y	45:09	-	1.05	y
17	Unk	OCDF	400.00	4.32e+08	0.90 y	50:10	-	0.887	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	1.60e+08	0.79 y	27:28	-	0.946	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	1.84e+08	1.58 y	33:17	-	1.09	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	1.50e+08	1.28 y	38:39	-	1.03	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.41e+08	1.27 y	38:49	-	0.965	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.13e+08	1.04 y	44:14	-	0.774	y
23	IS	13C-OCDD	200.00	1.75e+08	0.89 y	49:47	-	0.599	y
24	IS	13C-2,3,7,8-TCDF	100.00	2.52e+08	0.79 y	26:43	-	0.968	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	2.13e+08	1.57 y	31:33	-	0.818	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	2.61e+08	1.58 y	32:52	-	1.00	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	1.77e+08	0.53 y	37:16	-	1.22	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	1.81e+08	0.52 y	37:27	-	1.24	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	1.59e+08	0.52 y	38:24	-	1.09	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	1.83e+08	0.52 y	39:50	-	1.26	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	1.47e+08	0.44 y	42:20	-	1.00	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.32e+08	0.44 y	45:08	-	0.902	y
33	IS	13C-OCDF	200.00	2.44e+08	0.89 y	50:09	-	0.835	y
34	C/Up	37Cl-2,3,7,8-TCDD	40.00	4.64e+07		27:29	-	0.686	y
35	RS	13C-1,2,3,4-TCDD	100.00	1.69e+08	0.80 y	26:53	1.69e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	2.60e+08	0.80 y	25:37	2.60e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.46e+08	1.25 y	39:16	1.46e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.21	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.744	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.874	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.938	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.02	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.853	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.853	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	1.000	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.05	y

Analyst: _____ Date: 10/25/06

Run #6 Filename 24OCT06M S: 6 Acquired: 24-OCT-06 15:47:52 Cal: PCDDFAL3-10-24-06
Client ID: ST102406M5 Analyte: FAL ID: 1613 CS5 061011L

	Typ	Name	Amount	Resp	RA	RT	RF	RRF	
1	Unk	2,3,7,8-TCDD	200.00	5.90e+08	0.79 y	27:31	-	1.21	y
2	Unk	1,2,3,7,8-PeCDD	1000.00	1.94e+09	1.57 y	33:19	-	0.738	y
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	1.98e+09	1.25 y	38:41	-	0.956	y
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	1.55e+09	1.25 y	38:50	-	0.821	y
5	Unk	1,2,3,7,8,9-HxCDD	1000.00	1.49e+09	1.25 y	39:17	-	0.754	y
6	Unk	1,2,3,4,6,7,8-HpCDD	1000.00	1.49e+09	1.05 y	44:15	-	0.919	y
7	Unk	OCDD	2000.00	3.01e+09	0.89 y	49:50	-	1.07	y
8	Unk	2,3,7,8-TCDF	200.00	7.74e+08	0.78 y	26:46	-	1.02	y
9	Unk	1,2,3,7,8-PeCDF	1000.00	2.75e+09	1.57 y	31:36	-	0.859	y
10	Unk	2,3,4,7,8-PeCDF	1000.00	3.04e+09	1.55 y	32:55	-	0.822	y
11	Unk	1,2,3,4,7,8-HxCDF	1000.00	2.07e+09	1.25 y	37:17	-	0.898	y
12	Unk	1,2,3,6,7,8-HxCDF	1000.00	2.36e+09	1.25 y	37:29	-	1.04	y
13	Unk	2,3,4,6,7,8-HxCDF	1000.00	2.00e+09	1.25 y	38:25	-	0.994	y
14	Unk	1,2,3,7,8,9-HxCDF	1000.00	2.19e+09	1.23 y	39:51	-	0.905	y
15	Unk	1,2,3,4,6,7,8-HpCDF	1000.00	2.01e+09	1.04 y	42:22	-	1.01	y
16	Unk	1,2,3,4,7,8,9-HpCDF	1000.00	1.84e+09	1.04 y	45:10	-	0.996	y
17	Unk	OCDF	2000.00	3.28e+09	0.90 y	50:12	-	0.857	y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	2.44e+08	0.78 y	27:30	-	0.985	y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	2.62e+08	1.59 y	33:18	-	1.06	y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.07e+08	1.27 y	38:39	-	1.06	y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	1.89e+08	1.26 y	38:50	-	0.974	y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	1.62e+08	1.05 y	44:14	-	0.833	y
23	IS	13C-OCDD	200.00	2.81e+08	0.89 y	49:48	-	0.724	y
24	IS	13C-2,3,7,8-TCDF	100.00	3.78e+08	0.79 y	26:45	-	1.01	y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	3.20e+08	1.58 y	31:34	-	0.858	y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	3.69e+08	1.57 y	32:53	-	0.990	y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	2.31e+08	0.52 y	37:16	-	1.19	y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	2.27e+08	0.53 y	37:28	-	1.17	y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	2.02e+08	0.53 y	38:24	-	1.04	y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	2.42e+08	0.52 y	39:50	-	1.25	y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.00e+08	0.45 y	42:20	-	1.03	y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	1.84e+08	0.44 y	45:08	-	0.950	y
33	IS	13C-OCDF	200.00	3.83e+08	0.90 y	50:11	-	0.986	y
34	C/Up	37Cl-2,3,7,8-TCDD	200.00	3.54e+08		27:31	-	0.715	y
35	RS	13C-1,2,3,4-TCDD	100.00	2.48e+08	0.80 y	26:56	2.48e+06	-	n
36	RS	13C-1,2,3,4-TCDF	100.00	3.73e+08	0.80 y	25:40	3.73e+06	-	n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	1.94e+08	1.27 y	39:16	1.94e+06	-	n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.21	y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	0.738	y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	0.846	y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	0.919	y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.02	y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.839	y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.839	y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.958	y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.00	y

Analyst: _____ Date: 10/25/06

7DFA - Form VII-HR CDD-1
CDD/CDF CONTINUING CALIBRATION SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

LAB FILE ID: 29JAN07M Sam: 1 DATE ANALYZED: 29-JAN-07 TIME ANALYZED: 14:38:36

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	SELECTED IONS	RR/ RRF	MEAN RR/ RRF	%D	%D FLAG	ION RATIO	ION RATIO FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	1.16	1.19	-2.77		0.76		0.65-0.89
2,3,7,8-TCDF	304/306	0.946	0.972	-2.69		0.78		0.65-0.89
1,2,3,7,8-PeCDF	340/342	0.900	0.821	9.54		1.59		1.32-1.78
1,2,3,7,8-PeCDD	356/358	0.676	0.694	-2.62		1.58		1.32-1.78
2,3,4,7,8-PeCDF	340/342	0.833	0.778	7.10		1.57		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	0.896	0.900	-0.400		1.26		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.06	1.02	3.66		1.26		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	0.930	0.942	-1.37		1.27		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	0.828	0.813	1.85		1.28		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	0.747	0.743	0.526		1.24		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	0.975	0.969	0.613		1.27		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	0.908	0.894	1.62		1.27		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	0.993	0.994	-0.126		1.05		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	0.911	0.891	2.29		1.06		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	0.977	0.981	-0.389		1.04		0.88-1.20
OCDD	458/460	1.05	1.03	1.83		0.89		0.76-1.02
OCDF	442/444	0.858	0.842	1.95		0.89		0.76-1.02
LABELED COMPOUNDS								
13C-2,3,7,8-TCDD	332/334	0.891	0.948	-6.03		0.78		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.05	1.06	-0.845		1.56		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.05	1.05	-0.280		1.31		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	1.01	0.996	1.13		1.22		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	0.812	0.822	-1.12		1.06		0.88-1.20
13C-OCDD	470/472	0.654	0.681	-3.86		0.89		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.928	0.984	-5.69		0.78		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	0.819	0.829	-1.22		1.59		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	0.957	0.974	-1.73		1.62		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	1.25	1.28	-2.87		0.52		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	1.28	1.29	-0.806		0.52		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	1.29	1.27	1.77		0.52		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	1.14	1.12	1.30		0.52		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	1.09	1.06	2.94		0.44		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.932	0.944	-1.33		0.44		0.37-0.51
13C-OCDF	454/456	0.918	0.948	-3.10		0.89		0.76-1.02
CLEAN-UP								
37Cl-2,3,7,8-TCDD	328/NA	0.601	0.653	-7.95		NA	NA	NA
INTERNAL STANDARDS								
13C-1,2,3,4-TCDD	332/334	NA	NA	NA	NA	0.81		0.65-0.89
13C-1,2,3,4-TCDF	316/318	NA	NA	NA	NA	0.78		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	NA	NA	NA	NA	1.29		1.05-1.43

The laboratory must flag any analyte which does not meet criteria for Percent Difference (%D) or ion abundance ratio by placing an asterik in the appropriate flag column Analyst: DN Date: 1/30/07

7DFA - Form VII-HR CDD-1
CDD/CDF CONTINUING CALIBRATION SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

LAB FILE ID: 29JAN07M Sam: 9 DATE ANALYZED: 29-JAN-07 TIME ANALYZED: 22:02:49

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	SELECTED IONS	RR/ RRF	MEAN RR/ RRF	%D	%D FLAG	ION RATIO	ION RATIO FLAG	ION RATIO QC LIMITS
2,3,7,8-TCDD	320/322	1.15	1.19	-3.05		0.77		0.65-0.89
2,3,7,8-TCDF	304/306	0.953	0.972	-2.04		0.76		0.65-0.89
1,2,3,7,8-PeCDF	340/342	0.887	0.821	7.97		1.57		1.32-1.78
1,2,3,7,8-PeCDD	356/358	0.645	0.694	-7.05		1.60		1.32-1.78
2,3,4,7,8-PeCDF	340/342	0.852	0.778	9.54		1.59		1.32-1.78
1,2,3,4,7,8-HxCDF	374/376	0.884	0.900	-1.73		1.26		1.05-1.43
1,2,3,6,7,8-HxCDF	374/376	1.04	1.02	1.98		1.23		1.05-1.43
1,2,3,4,7,8-HxCDD	390/392	0.914	0.942	-3.03		1.28		1.05-1.43
1,2,3,6,7,8-HxCDD	390/392	0.823	0.813	1.27		1.24		1.05-1.43
1,2,3,7,8,9-HxCDD	390/392	0.717	0.743	-3.47		1.19		1.05-1.43
2,3,4,6,7,8-HxCDF	374/376	0.978	0.969	0.942		1.23		1.05-1.43
1,2,3,7,8,9-HxCDF	374/376	0.899	0.894	0.621		1.27		1.05-1.43
1,2,3,4,6,7,8-HpCDF	408/410	0.980	0.994	-1.40		1.04		0.88-1.20
1,2,3,4,6,7,8-HpCDD	424/426	0.909	0.891	2.06		1.04		0.88-1.20
1,2,3,4,7,8,9-HpCDF	408/410	0.975	0.981	-0.566		1.03		0.88-1.20
OCDD	458/460	1.05	1.03	1.92		0.89		0.76-1.02
OCDF	442/444	0.857	0.842	1.75		0.89		0.76-1.02
LABELED COMPOUNDS								
13C-2,3,7,8-TCDD	332/334	0.881	0.948	-7.11		0.79		0.65-0.89
13C-1,2,3,7,8-PeCDD	368/370	1.01	1.06	-4.29		1.61		1.32-1.78
13C-1,2,3,4,7,8-HxCDD	402/404	1.08	1.05	2.01		1.25		1.05-1.43
13C-1,2,3,6,7,8-HxCDD	402/404	1.04	0.996	4.20		1.26		1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	436/438	0.815	0.822	-0.770		1.06		0.88-1.20
13C-OCDD	470/472	0.658	0.681	-3.38		0.88		0.76-1.02
13C-2,3,7,8-TCDF	316/318	0.929	0.984	-5.68		0.77		0.65-0.89
13C-1,2,3,7,8-PeCDF	352/354	0.799	0.829	-3.65		1.61		1.32-1.78
13C-2,3,4,7,8-PeCDF	352/354	0.923	0.974	-5.26		1.63		1.32-1.78
13C-1,2,3,4,7,8-HxCDF	384/386	1.28	1.28	0.0537		0.51		0.43-0.59
13C-1,2,3,6,7,8-HxCDF	384/386	1.32	1.29	2.58		0.52		0.43-0.59
13C-1,2,3,7,8,9-HxCDF	384/386	1.28	1.27	1.08		0.52		0.43-0.59
13C-2,3,4,6,7,8-HxCDF	384/386	1.14	1.12	1.15		0.52		0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	418/420	1.11	1.06	4.46		0.44		0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	418/420	0.946	0.944	0.151		0.43		0.37-0.51
13C-OCDF	454/456	0.923	0.948	-2.61		0.90		0.76-1.02
CLEAN-UP								
37Cl-2,3,7,8-TCDD	328/NA	0.593	0.653	-9.16		NA	NA	NA
INTERNAL STANDARDS								
13C-1,2,3,4-TCDD	332/334	NA	NA	NA	NA	0.81		0.65-0.89
13C-1,2,3,4-TCDF	316/318	NA	NA	NA	NA	0.79		0.65-0.89
13C-1,2,3,7,8,9-HxCDD	402/404	NA	NA	NA	NA	1.24		1.05-1.43

The laboratory must flag any analyte which does not meet criteria for Percent Difference (%D) or ion abundance ratio by placing an asterik in the appropriate flag column Analyst: [illegible] Date: 1/30/07

7DFB - Form VII-HR CDD-2
CDD/CDF CONTINUING CALIBRATION RETENTION TIME SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

DATE ANALYZED: 29-JAN-07 TIME ANALYZED: 14:38:36

LAB FILE ID: 29JAN07M Sam: 1

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

TARGET ANALYTES	RRT	RT
2,3,7,8-TCDD	1.001	27:20
2,3,7,8-TCDF	1.001	26:36
1,2,3,7,8-PeCDF	1.001	31:25
1,2,3,7,8-PeCDD	1.001	33:07
2,3,4,7,8-PeCDF	1.001	32:43
1,2,3,4,7,8-HxCDF	1.000	37:05
1,2,3,6,7,8-HxCDF	1.001	37:17
1,2,3,4,7,8-HxCDD	1.001	38:28
1,2,3,6,7,8-HxCDD	1.000	38:37
1,2,3,7,8,9-HxCDD	1.013	39:05
2,3,4,6,7,8-HxCDF	1.001	38:14
1,2,3,7,8,9-HxCDF	1.000	39:39
1,2,3,4,6,7,8-HpCDF	1.001	42:10
1,2,3,4,6,7,8-HpCDD	1.000	44:03
1,2,3,4,7,8,9-HpCDF	1.000	44:58
OCDD	1.001	49:34
OCDF	1.000	49:55
LABELED COMPOUNDS		
13C-2,3,7,8-TCDD	1.022	27:19
13C-1,2,3,7,8-PeCDD	1.238	33:06
13C-1,2,3,4,7,8-HxCDD	0.984	38:26
13C-1,2,3,6,7,8-HxCDD	0.988	38:36
13C-1,2,3,4,6,7,8-HpCDD	1.127	44:02
13C-OCDD	1.268	49:32
13C-2,3,7,8-TCDF	0.994	26:34
13C-1,2,3,7,8-PeCDF	1.174	31:23
13C-2,3,4,7,8-PeCDF	1.223	32:42
13C-1,2,3,4,7,8-HxCDF	0.949	37:04
13C-1,2,3,6,7,8-HxCDF	0.953	37:15
13C-1,2,3,7,8,9-HxCDF	1.015	39:38
13C-2,3,4,6,7,8-HxCDF	0.978	38:12
13C-1,2,3,4,6,7,8-HpCDF	1.078	42:08
13C-1,2,3,4,7,8,9-HpCDF	1.151	44:57
13C-OCDF	1.277	49:54
CLEAN-UP STANDARD		
37Cl-2,3,7,8-TCDD	NA	27:20
INTERNAL STANDARD		
13C-1,2,3,4-TCDD	NA	26:44
13C-1,2,3,4-TCDF	NA	25:29
13C-1,2,3,7,8,9-HxCDD	NA	39:04

Analyst: DIN Date: 1/30/07

7DFB - Form VII-HR CDD-2
CDD/CDF CONTINUING CALIBRATION RETENTION TIME SUMMARY
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

GC COLUMN: DB5 ID: 0.25 (mm) INSTRUMENT ID: FAL3

DATE ANALYZED: 29-JAN-07 TIME ANALYZED: 22:02:49

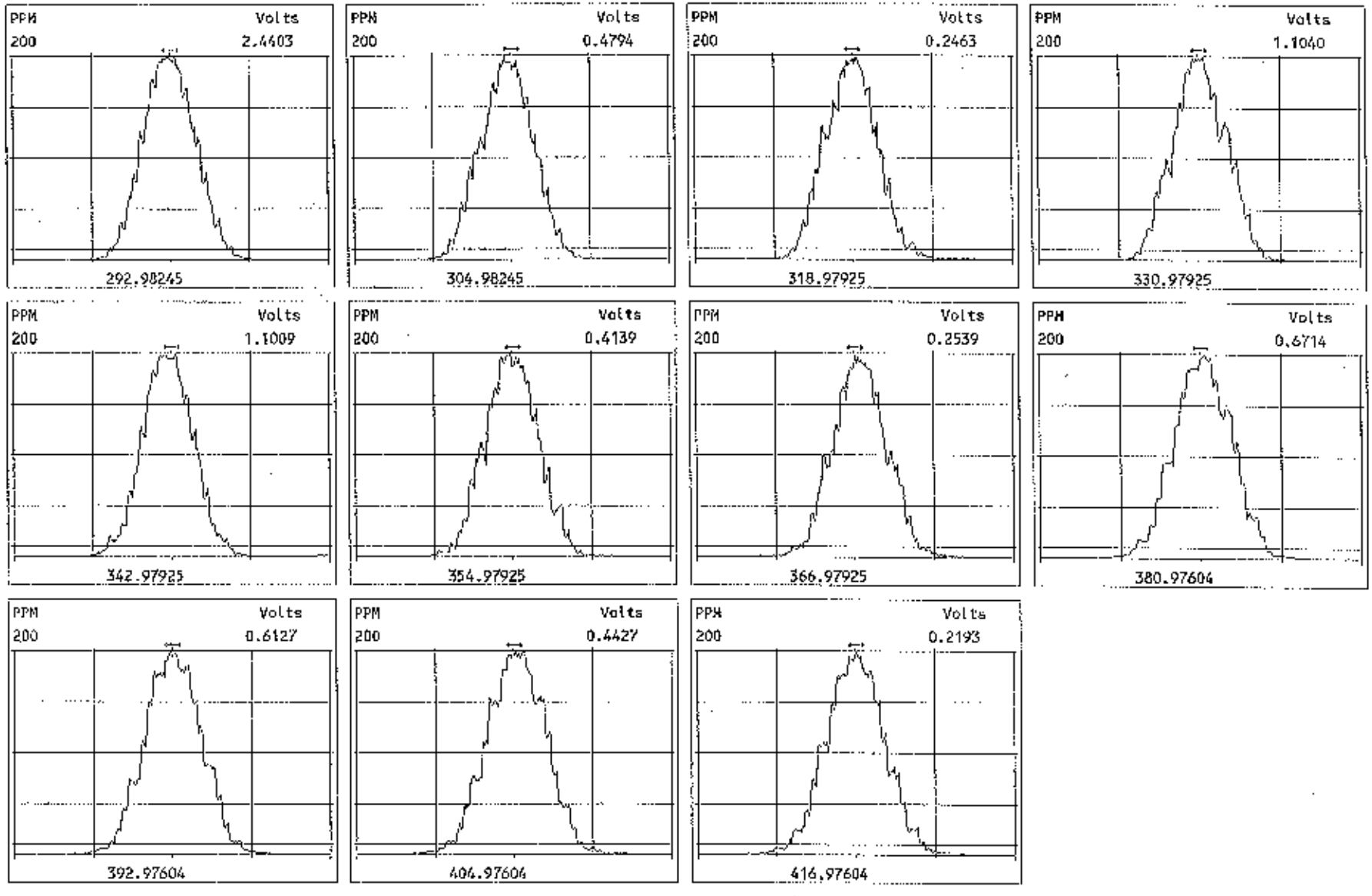
LAB FILE ID: 29JAN07M Sam: 9

INIT. CALIB. TIMES: 12:06:14 INIT. CALIB. DATE(S): 24-OCT-06

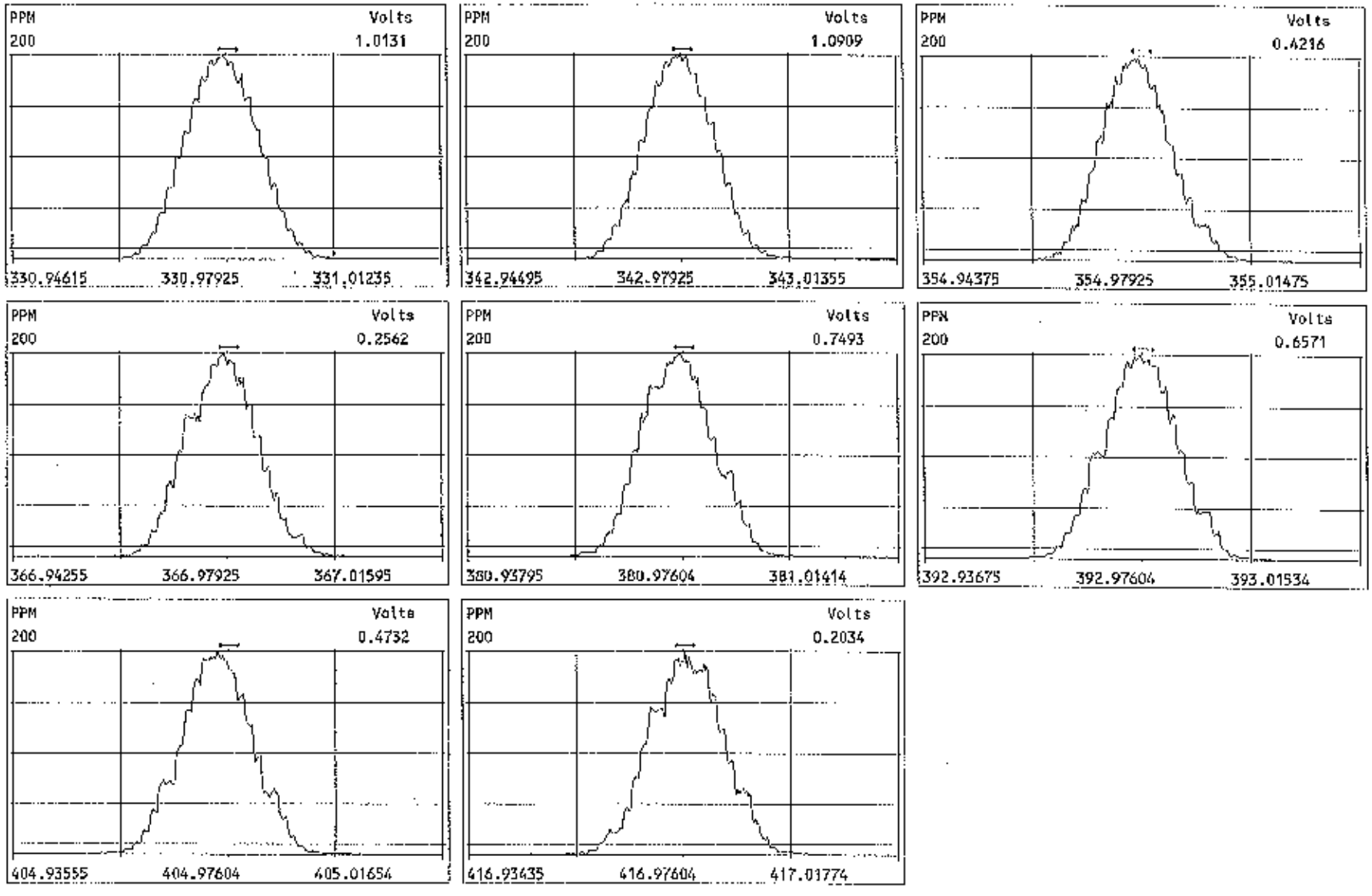
TARGET ANALYTES	RRT	RT
2,3,7,8-TCDD	1.002	27:25
2,3,7,8-TCDF	1.001	26:39
1,2,3,7,8-PeCDF	1.000	31:28
1,2,3,7,8-PeCDD	1.001	33:11
2,3,4,7,8-PeCDF	1.001	32:47
1,2,3,4,7,8-HxCDF	1.000	37:09
1,2,3,6,7,8-HxCDF	1.000	37:20
1,2,3,4,7,8-HxCDD	1.000	38:31
1,2,3,6,7,8-HxCDD	1.001	38:42
1,2,3,7,8,9-HxCDD	1.012	39:09
2,3,4,6,7,8-HxCDF	1.001	38:18
1,2,3,7,8,9-HxCDF	1.000	39:43
1,2,3,4,6,7,8-HpCDF	1.000	42:13
1,2,3,4,6,7,8-HpCDD	1.000	44:07
1,2,3,4,7,8,9-HpCDF	1.001	45:02
OCDD	1.001	49:37
OCDF	1.000	49:59
LABELED COMPOUNDS		
13C-2,3,7,8-TCDD	1.021	27:22
13C-1,2,3,7,8-PeCDD	1.238	33:10
13C-1,2,3,4,7,8-HxCDD	0.984	38:31
13C-1,2,3,6,7,8-HxCDD	0.988	38:40
13C-1,2,3,4,6,7,8-HpCDD	1.127	44:06
13C-OCDD	1.267	49:35
13C-2,3,7,8-TCDF	0.994	26:38
13C-1,2,3,7,8-PeCDF	1.174	31:28
13C-2,3,4,7,8-PeCDF	1.223	32:46
13C-1,2,3,4,7,8-HxCDF	0.949	37:08
13C-1,2,3,6,7,8-HxCDF	0.954	37:19
13C-1,2,3,7,8,9-HxCDF	1.014	39:42
13C-2,3,4,6,7,8-HxCDF	0.978	38:16
13C-1,2,3,4,6,7,8-HpCDF	1.078	42:12
13C-1,2,3,4,7,8,9-HpCDF	1.150	45:00
13C-OCDF	1.277	49:59
CLEAN-UP STANDARD		
37Cl-2,3,7,8-TCDD	NA	27:24
INTERNAL STANDARD		
13C-1,2,3,4-TCDD	NA	26:48
13C-1,2,3,4-TCDF	NA	25:33
13C-1,2,3,7,8,9-HxCDD	NA	39:08

Analyst: DKJ Date: 4/30/07

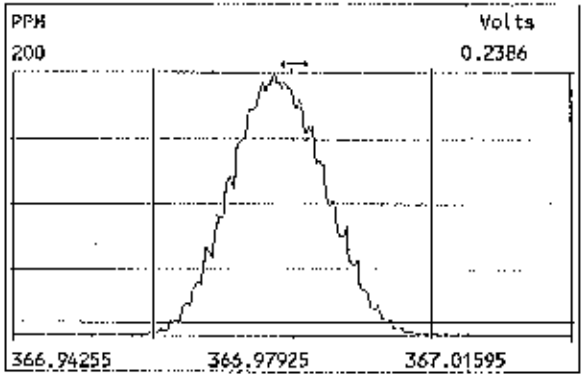
Peak Locate Examination:29-JAN-2007:14:36 File:29JAN07M
Experiment:PCDD Function:1 Reference:PFK

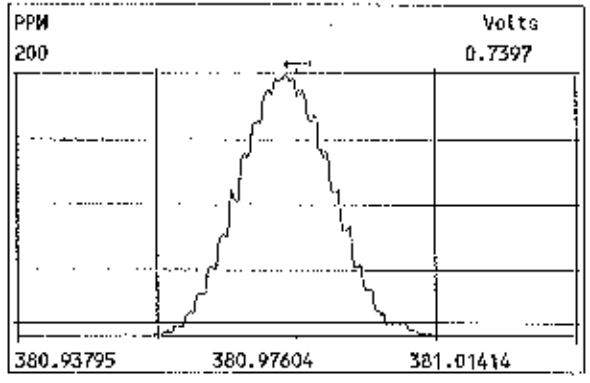


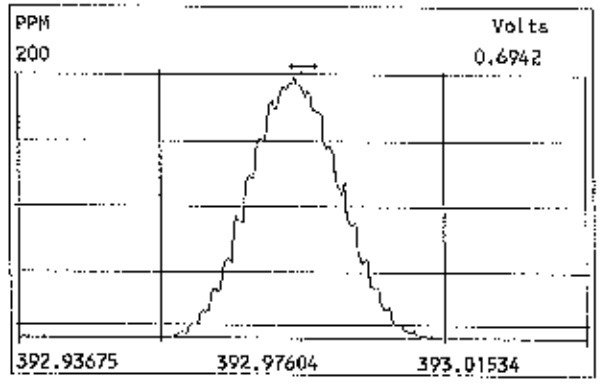
Peak Locate Examination:29-JAN-2007:14:37 File:29JAN07M
Experiment:PCDD Function:2 Reference:PFK

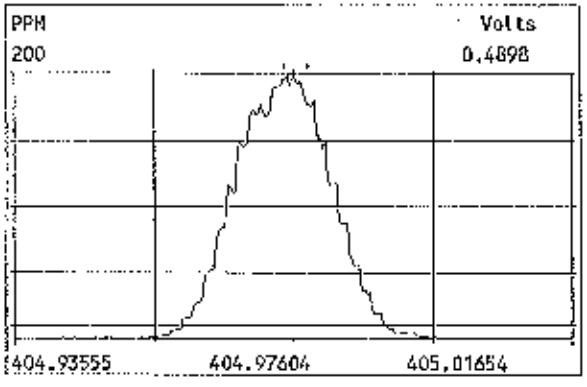


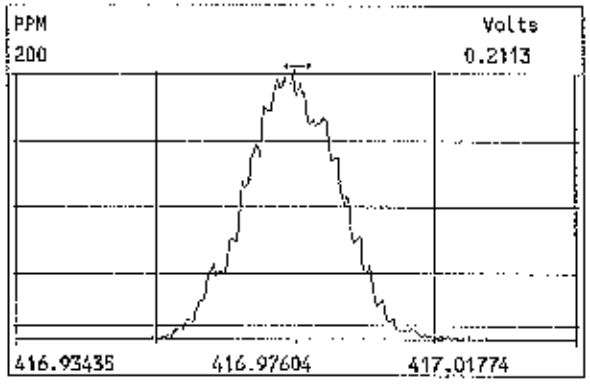
Peak Locate Examination:29-JAN-2007:14:37 File:29JAN07M
Experiment:PCDD Function:3 Reference:PFK

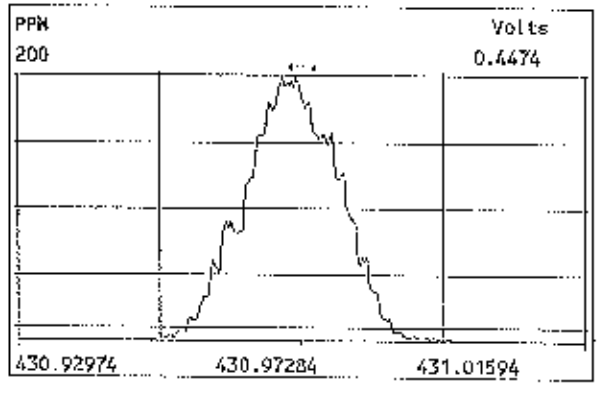


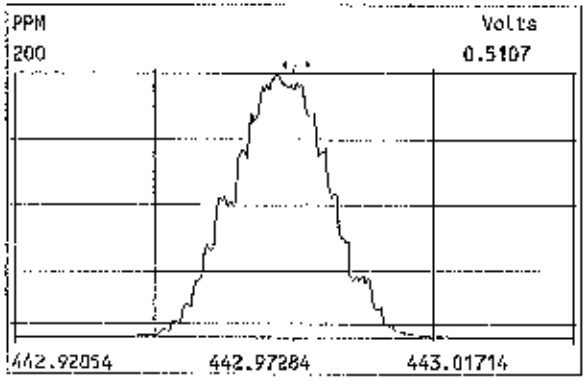


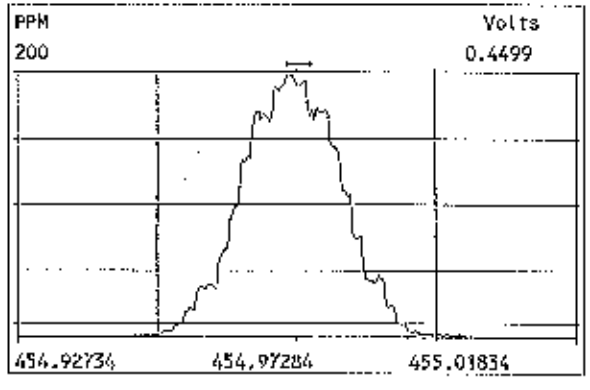




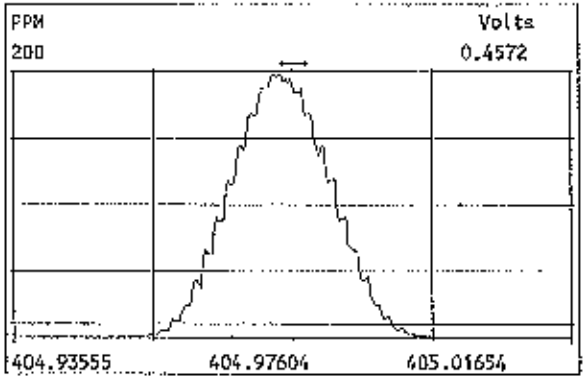


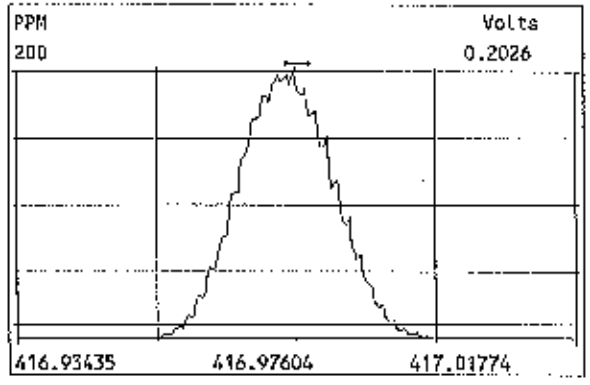


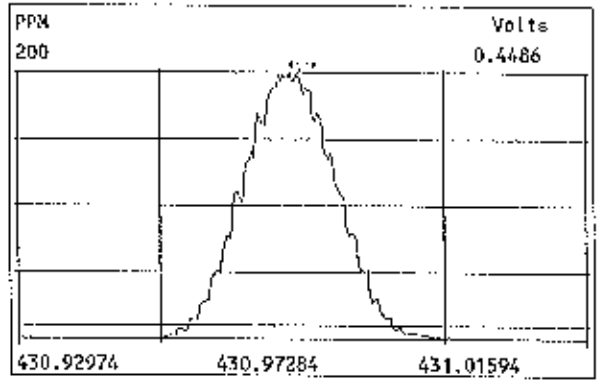


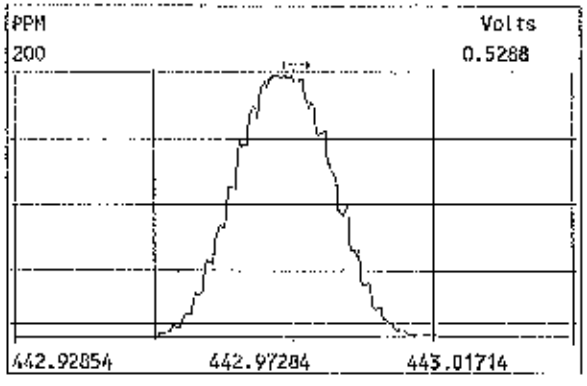


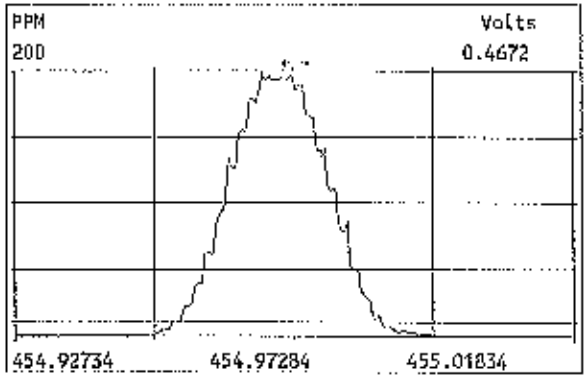
Peak Locate Examination:29-JAN-2007:14:37 File:29JAN07A
Experiment:PCDD Function:4 Reference:PFK

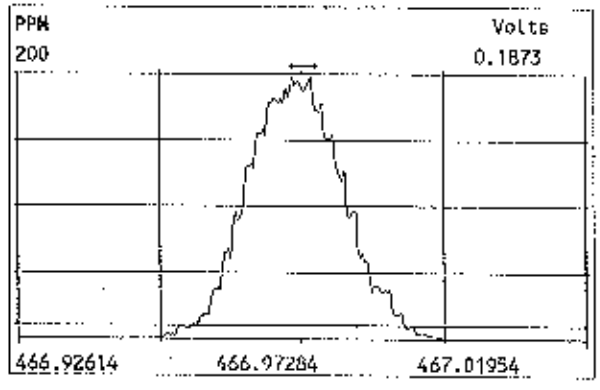


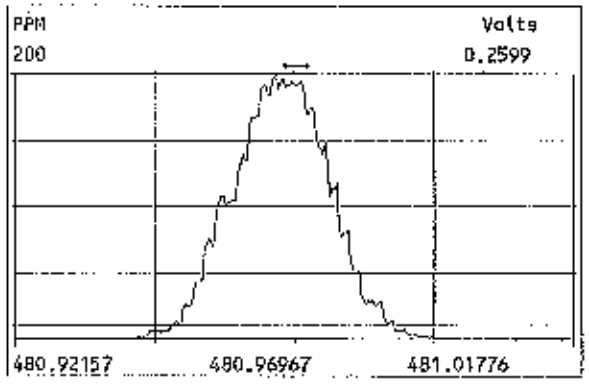




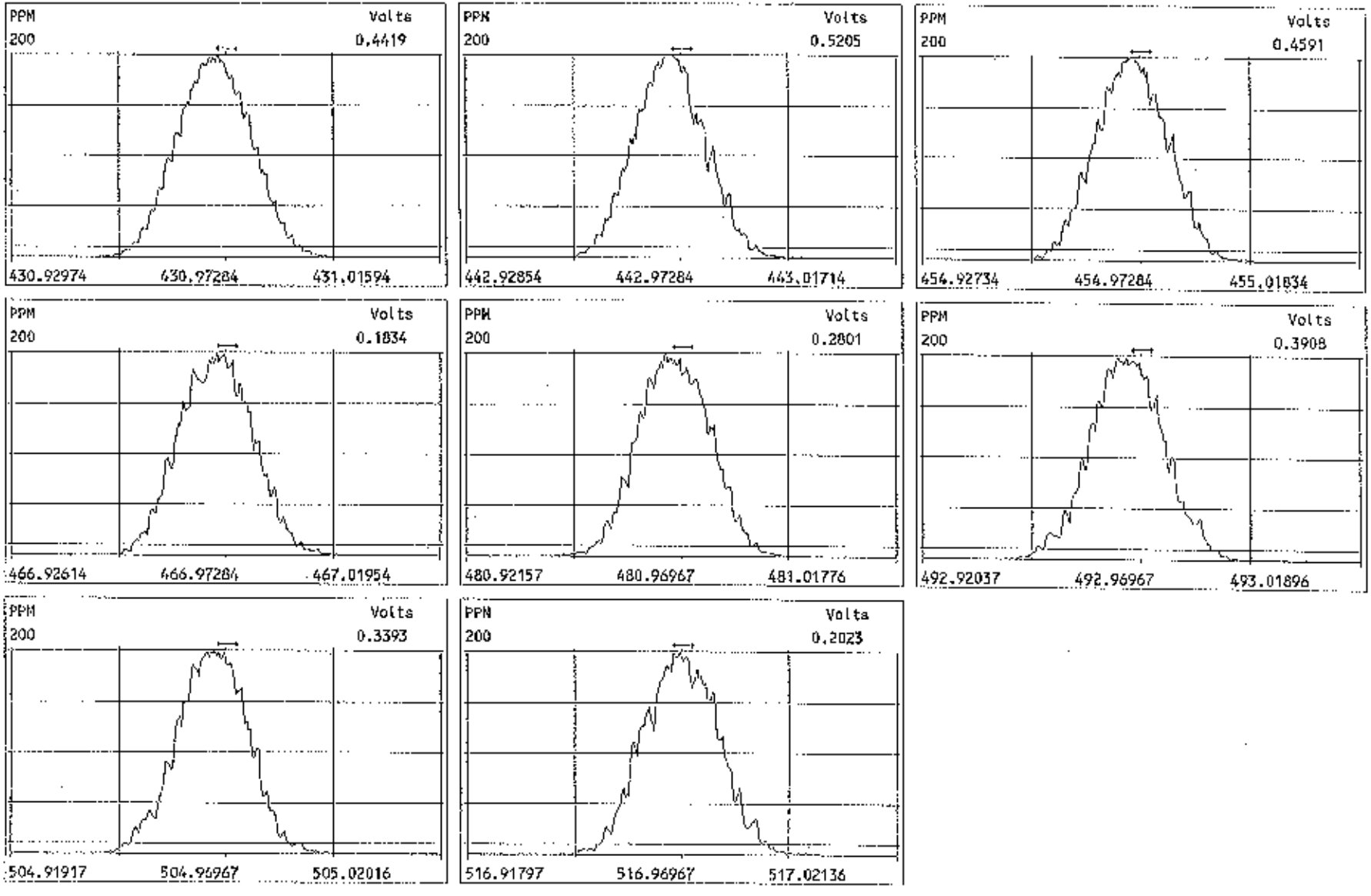






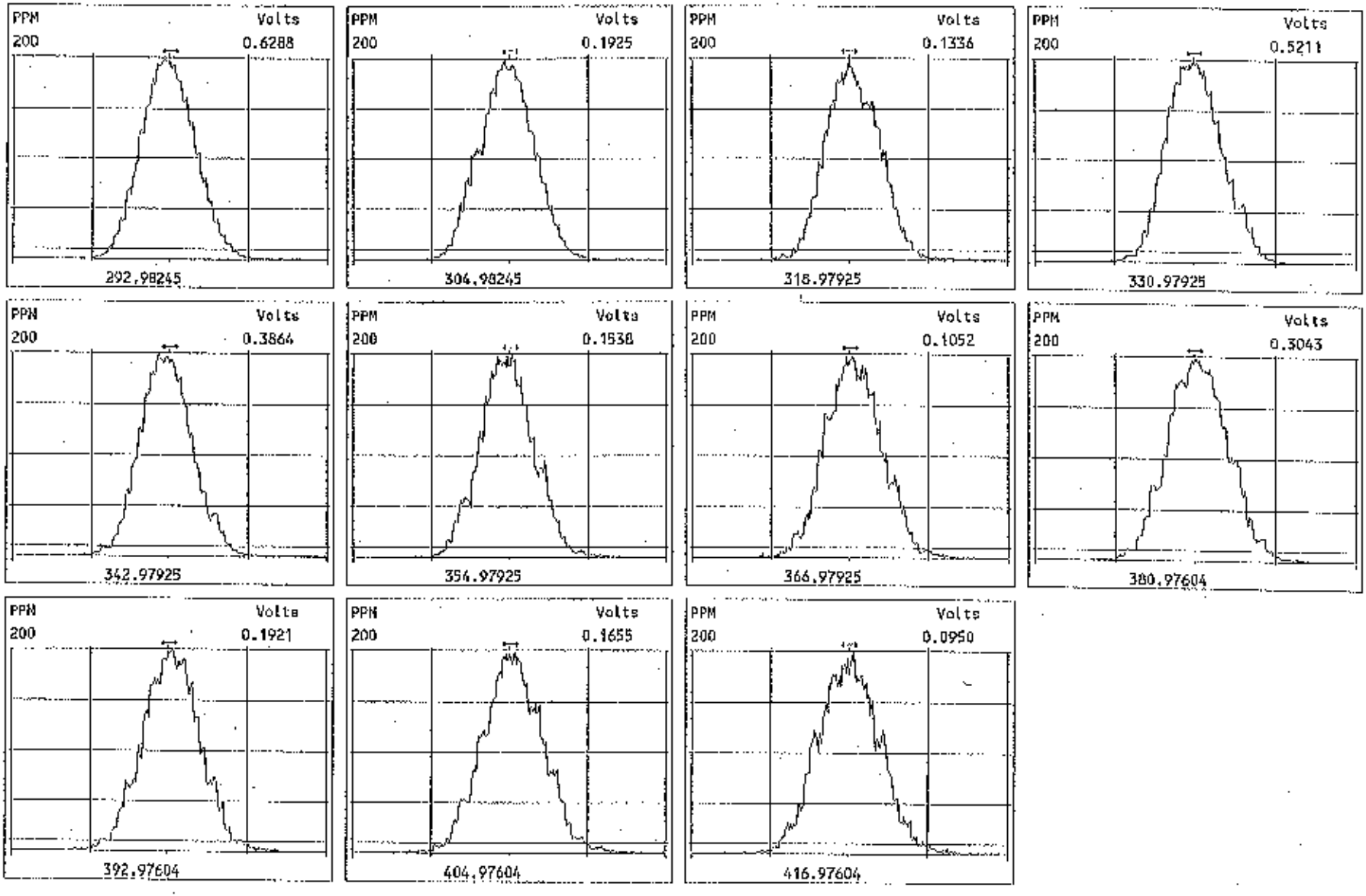


Peak Locate Examination:29-JAN-2007:14:38 File:29JAN07M
Experiment:PCDD Function:5 Reference:PFK

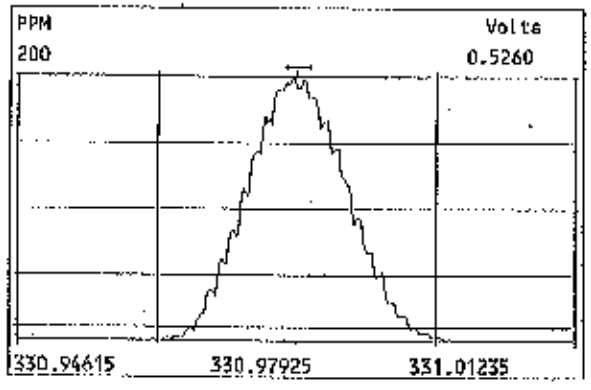


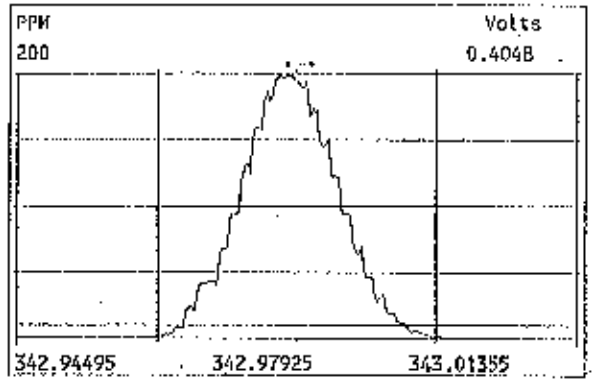
Peak Locate Examination:29-JAN-2007:23:00 File:29JAN07M_RES_CHECK

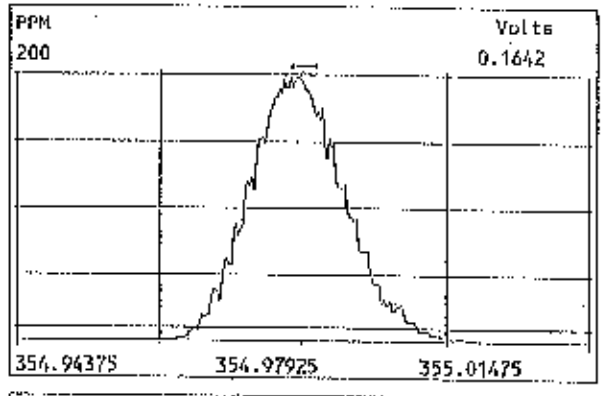
Experiment:PCDD Function:1 Reference:PFK

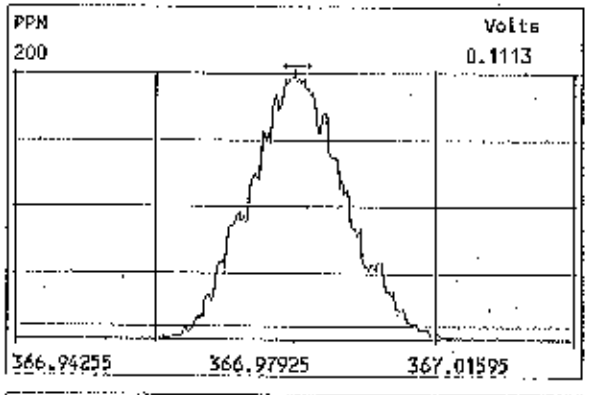


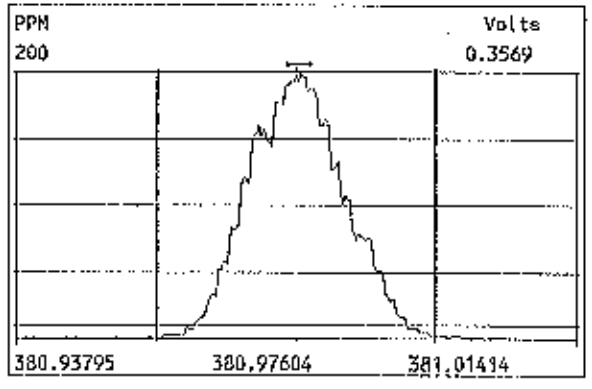
Peak Locate Examination:29-JAN-2007:23:02 File:29JAN07H_RES_CHECK
Experiment:PCDD Function:2 Reference:PFK

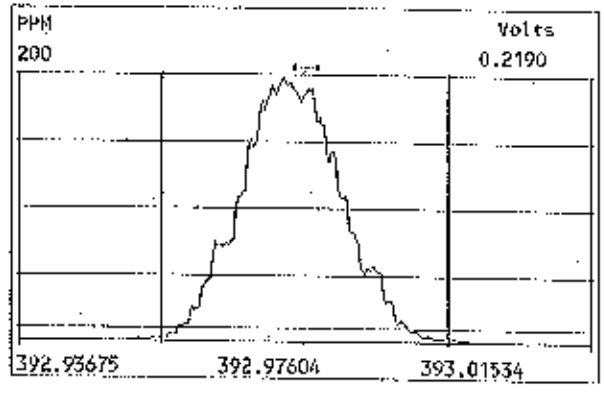


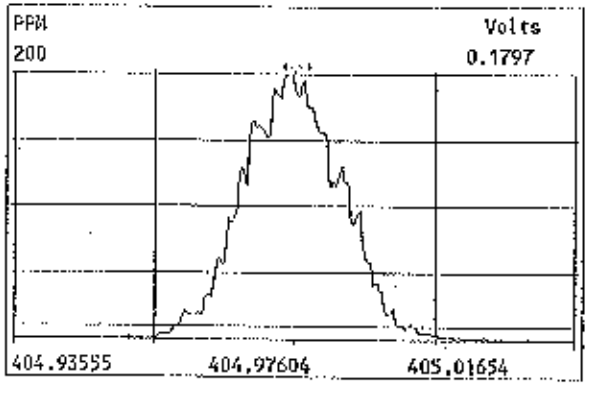


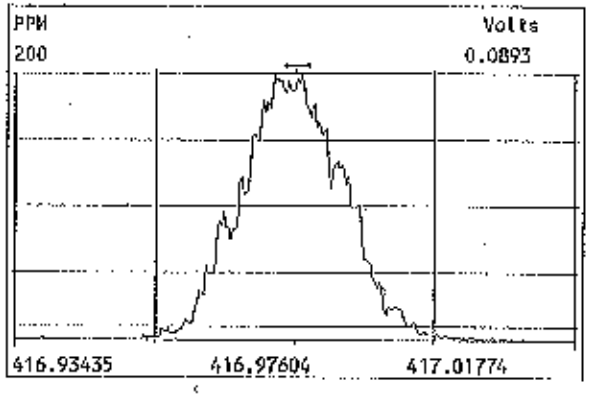




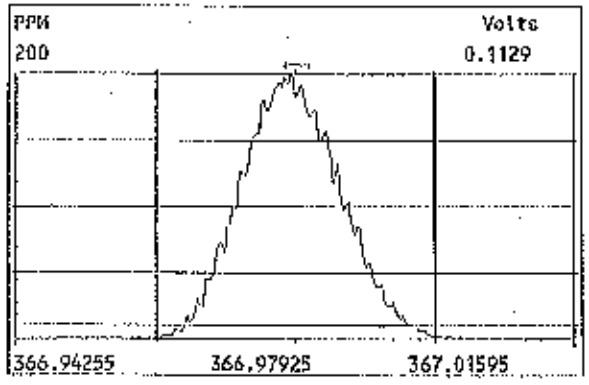


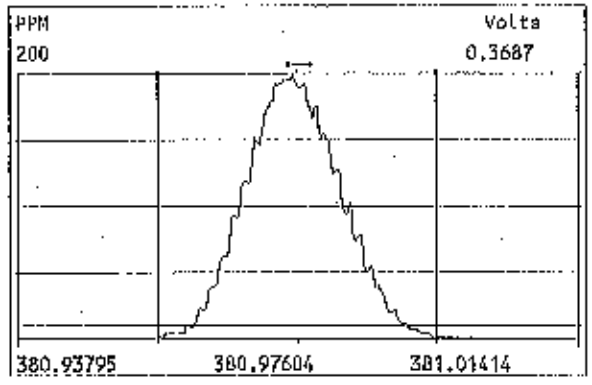


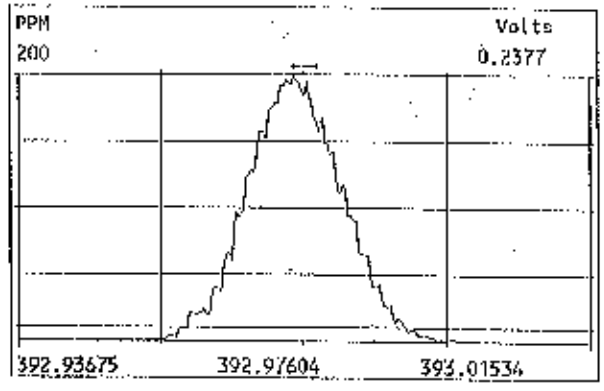


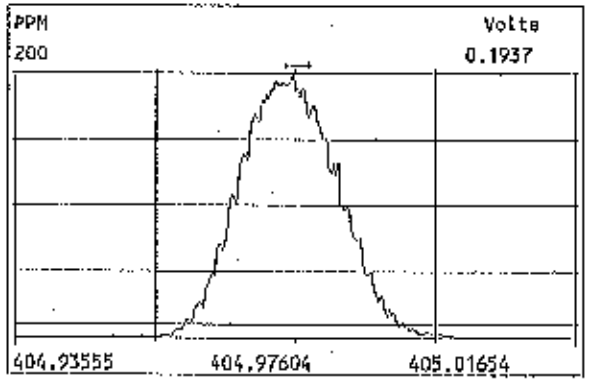


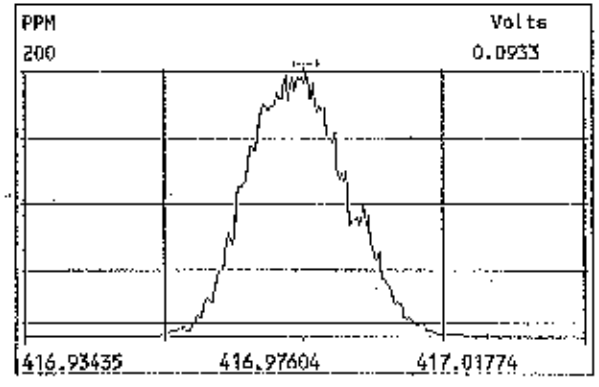
Peak Locate Examination:29-JAN-2007:23:04 File:29JAN07M_RES_CHECK
Experiment:PCDD Function:3 Reference:PFK

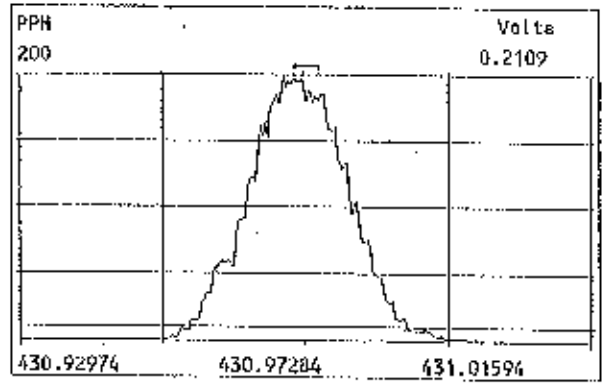


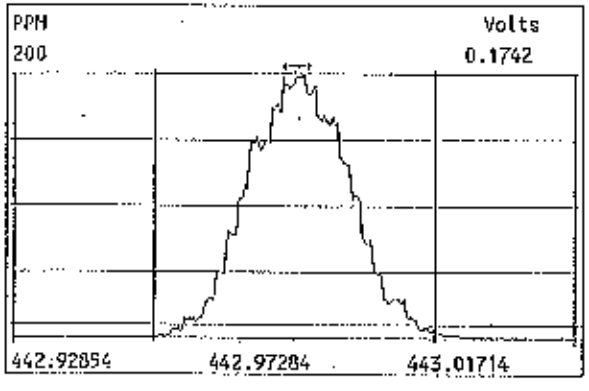


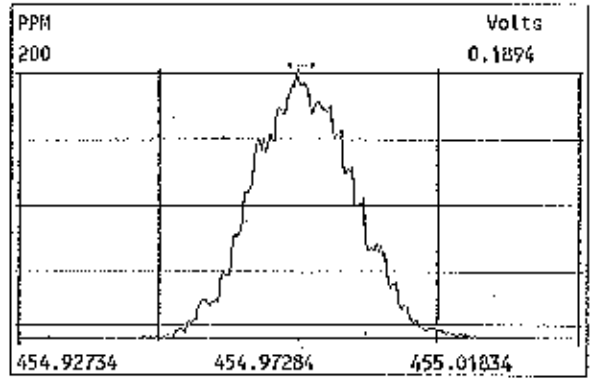




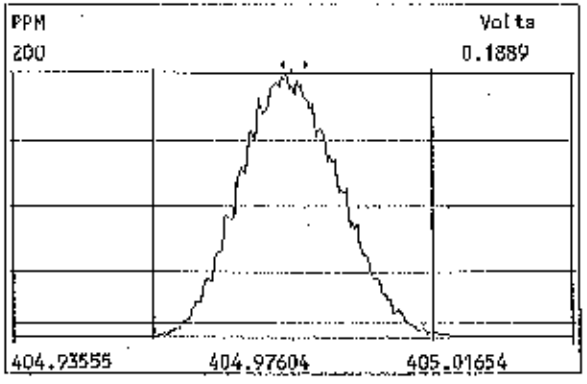


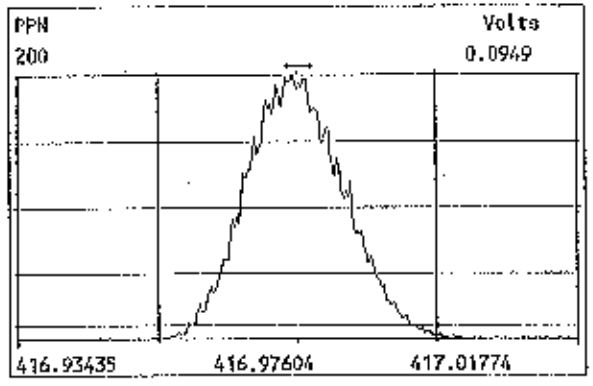


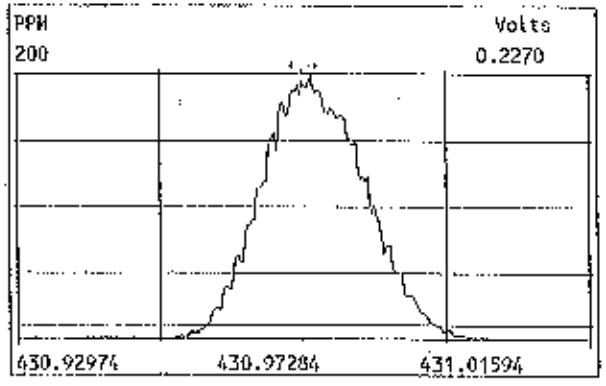


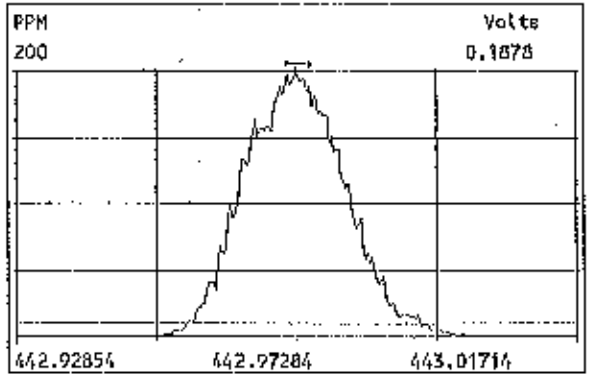


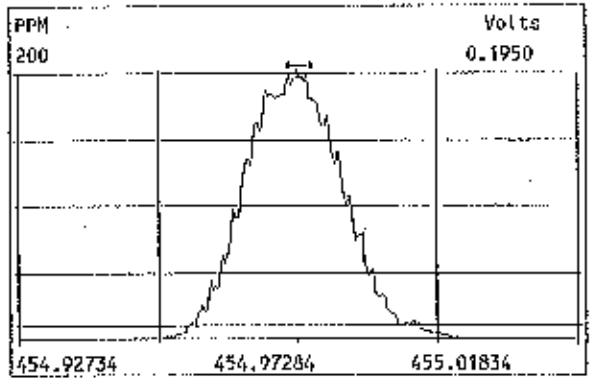
Peak Locate Examination:29-JAN-2007:23:06 file:29JAN07M_RES_CHECK
Experiment:PCDD Function:4 Reference:PFK

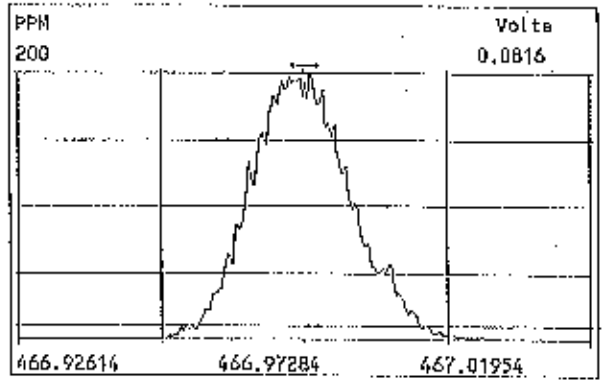


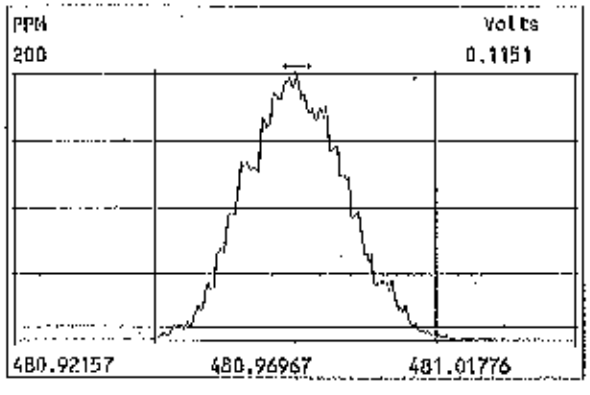




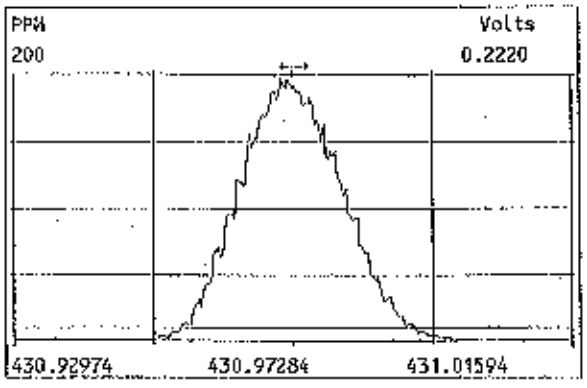


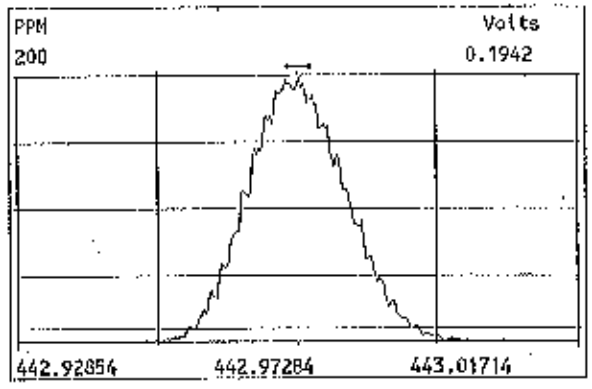


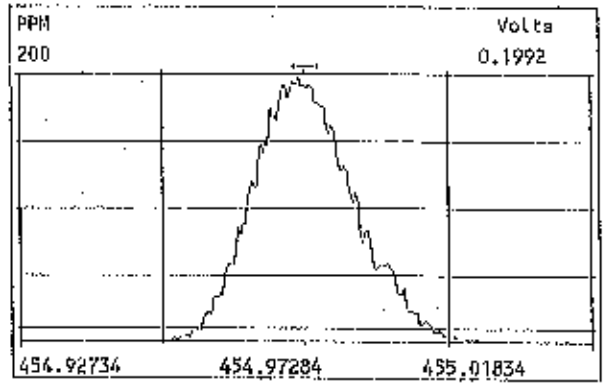


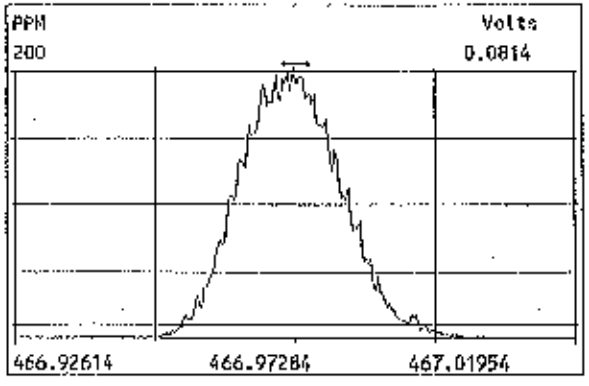


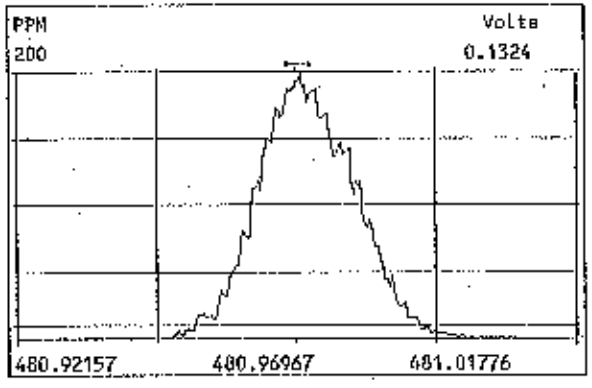
Peak Locate Examination:29-JAN-2007:23:08 File:29JAN07M_RES_CHECK
Experiment:PCDD Function:5 Reference:PFK

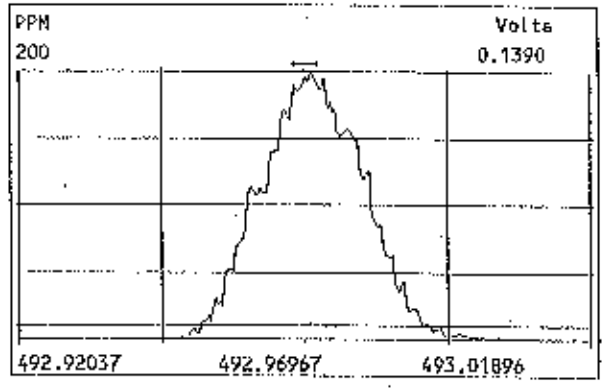


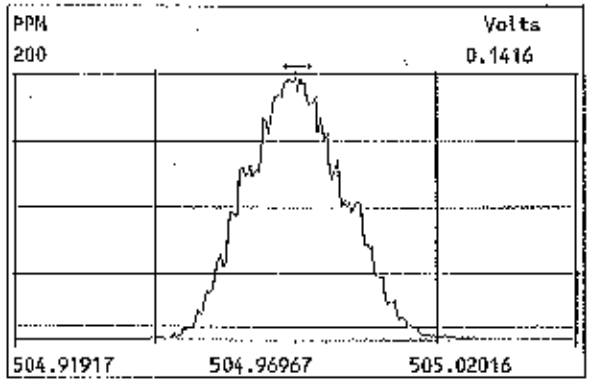


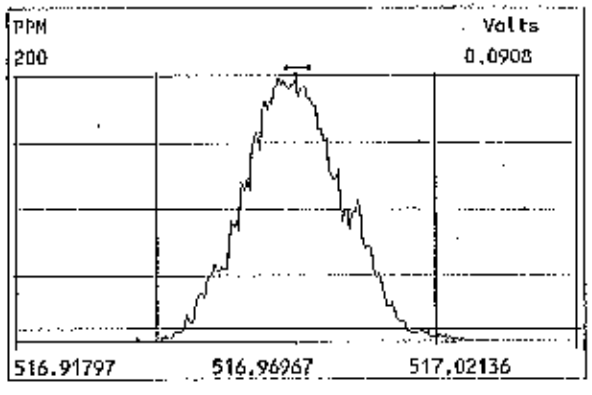




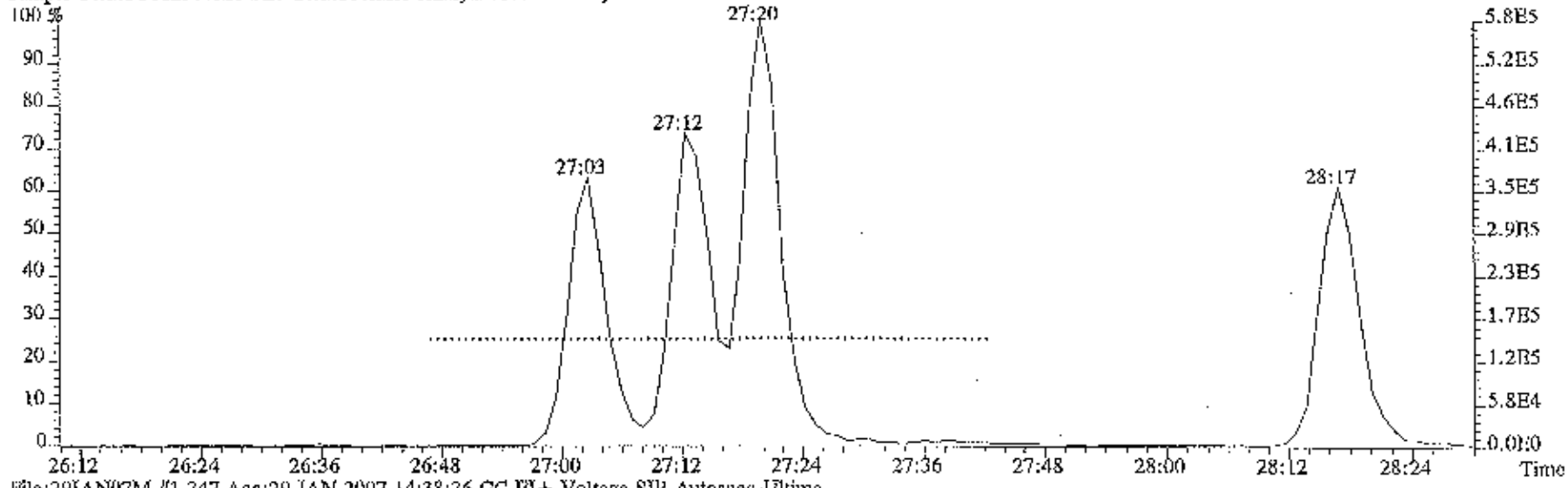




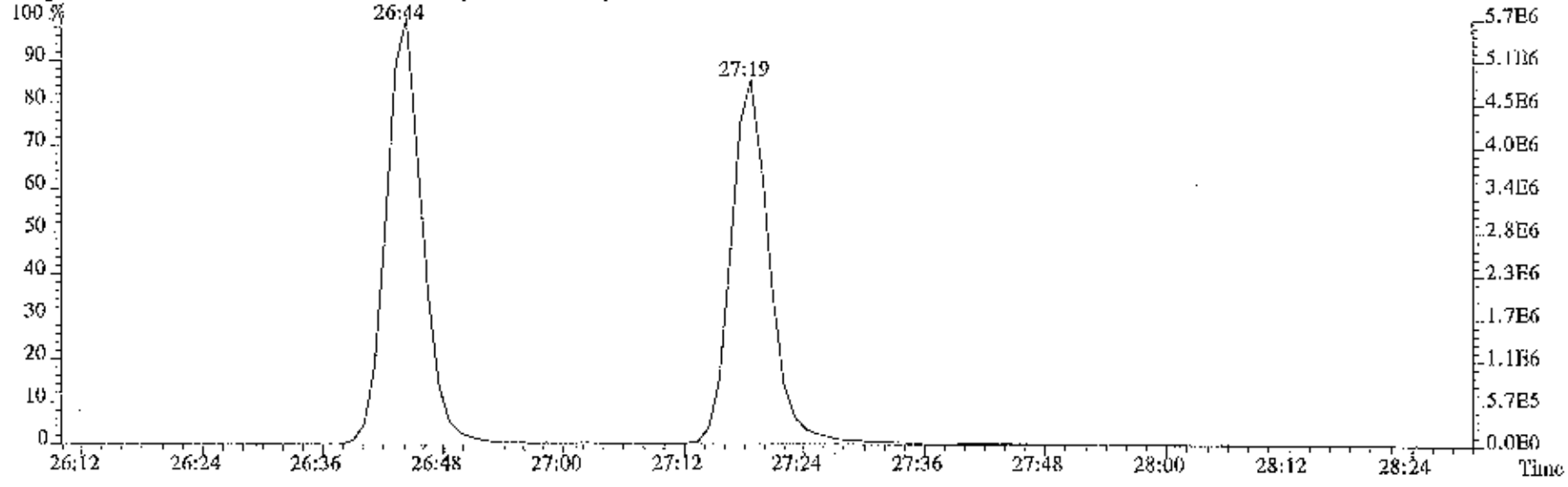




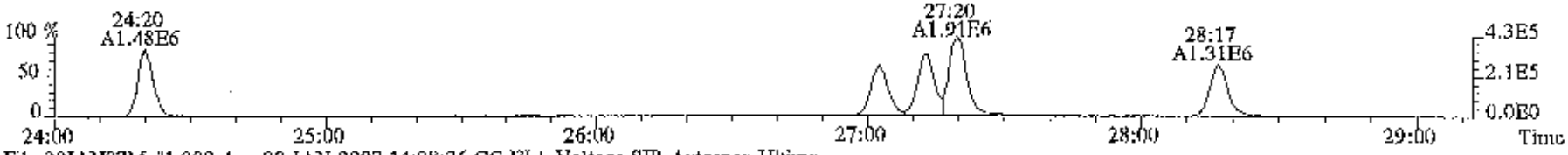
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
333.9339 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory

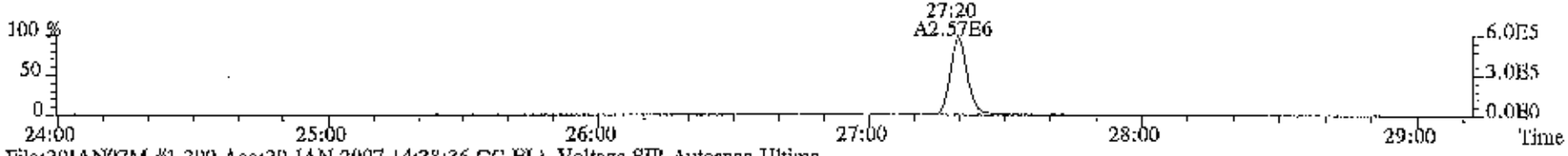


File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV

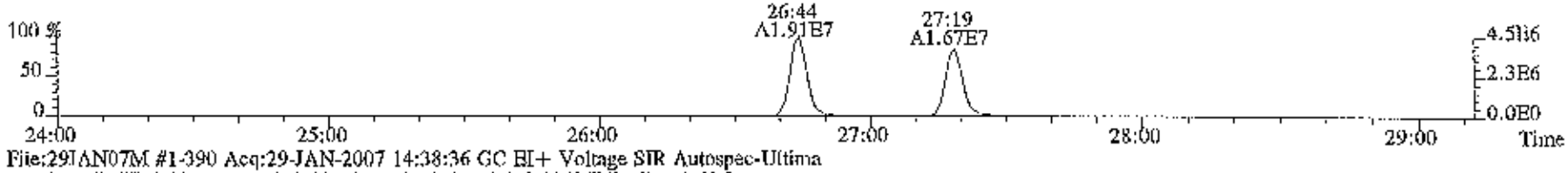


File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV

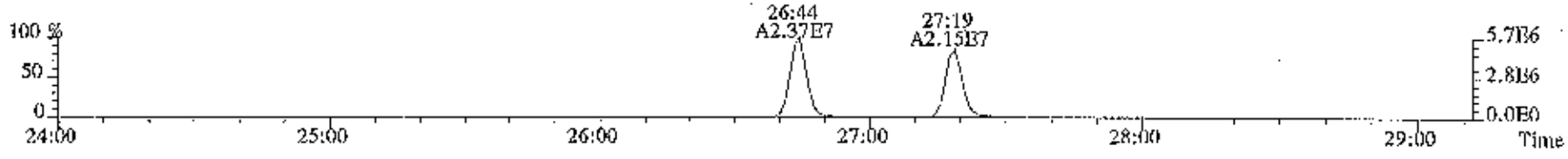
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



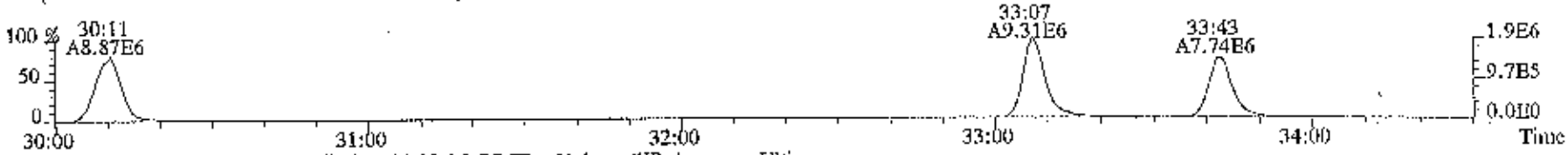
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



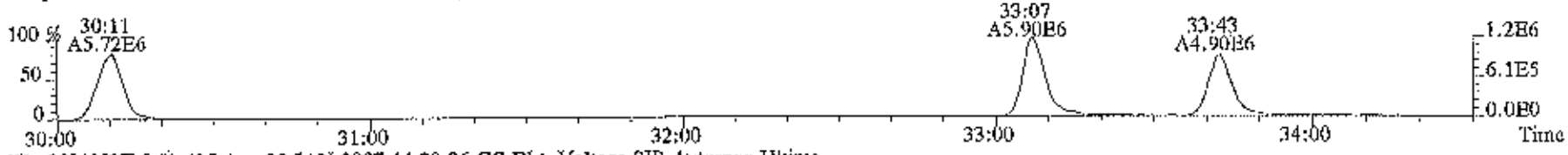
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



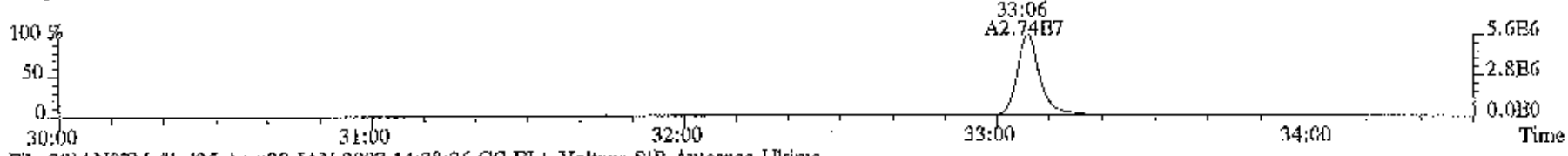
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



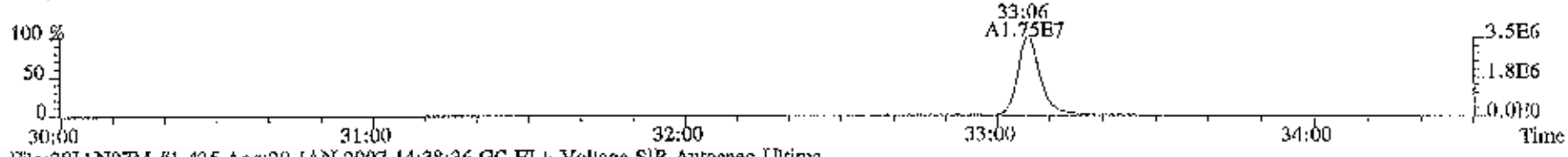
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
357.8517 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



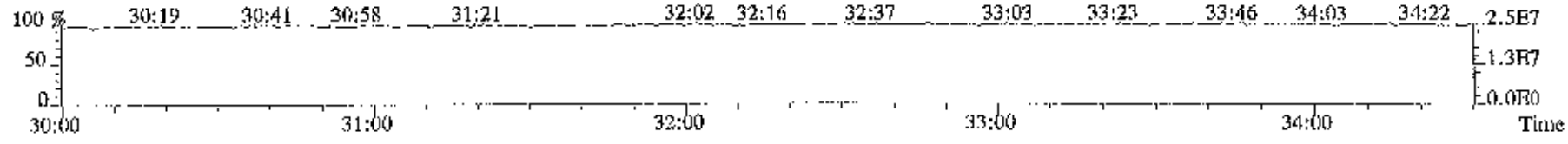
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



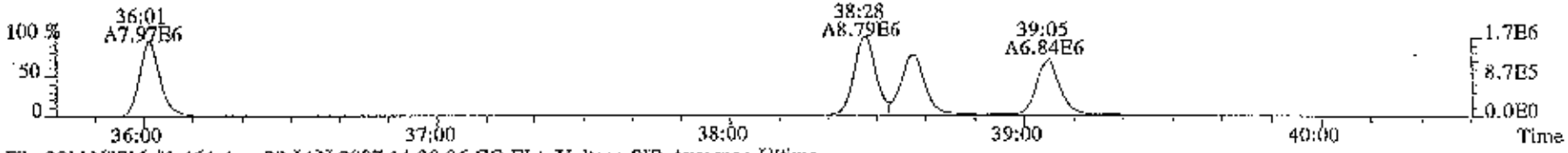
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
369.8919 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



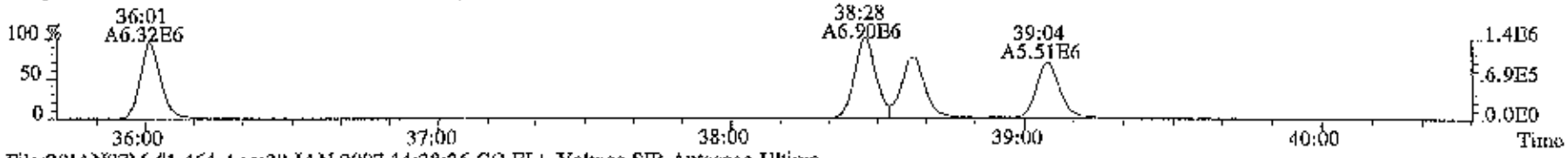
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
366.9792 F:2 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



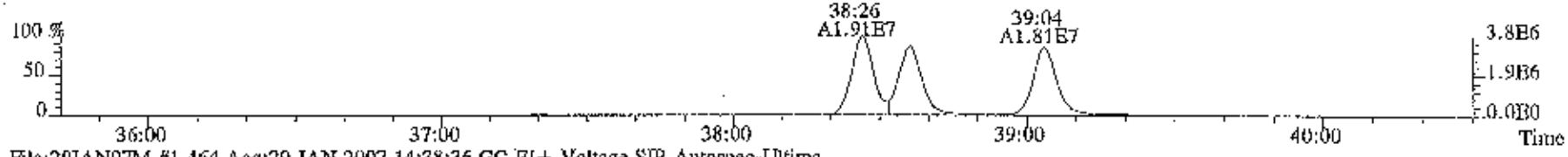
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



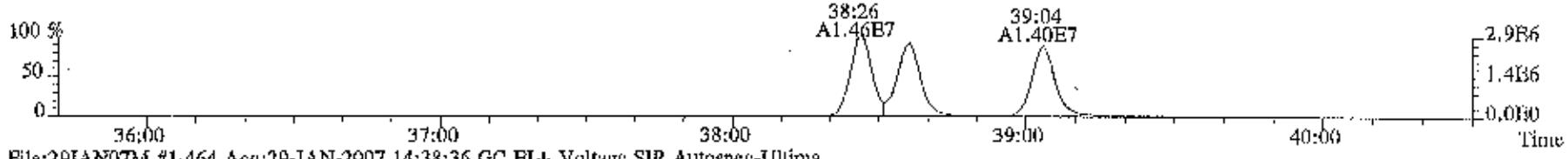
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



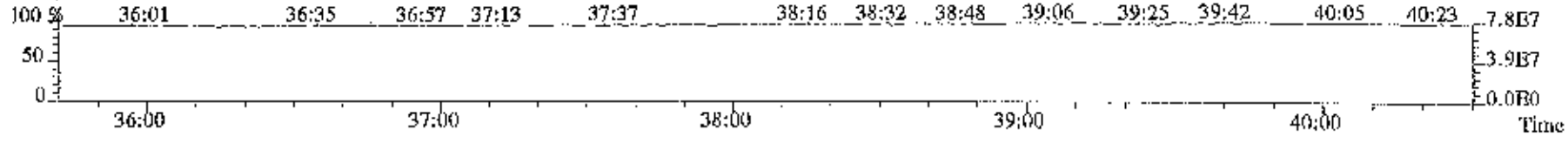
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



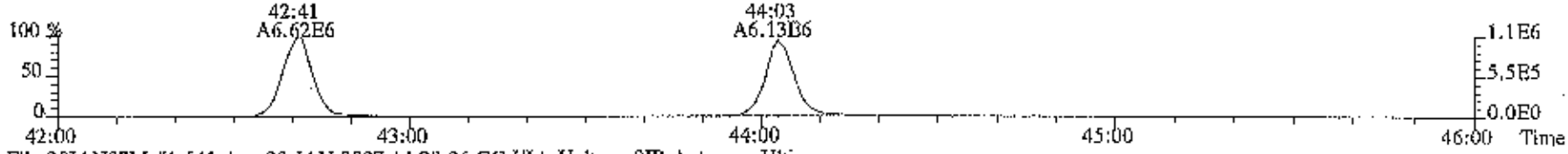
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



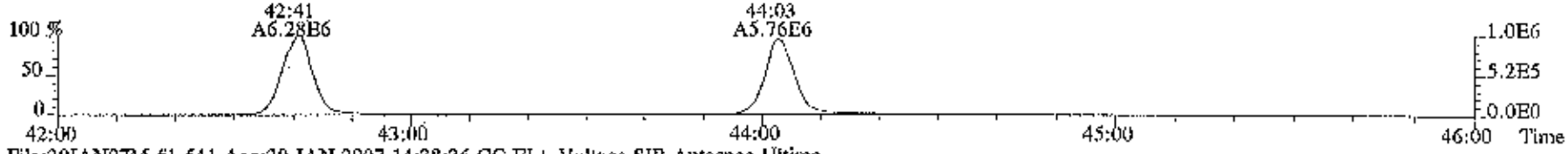
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
380.9760 F:3 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



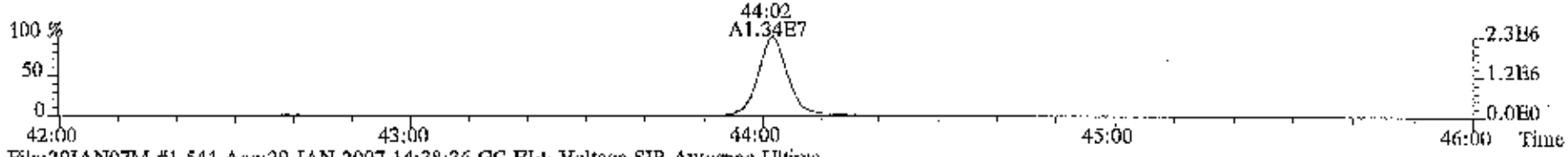
File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



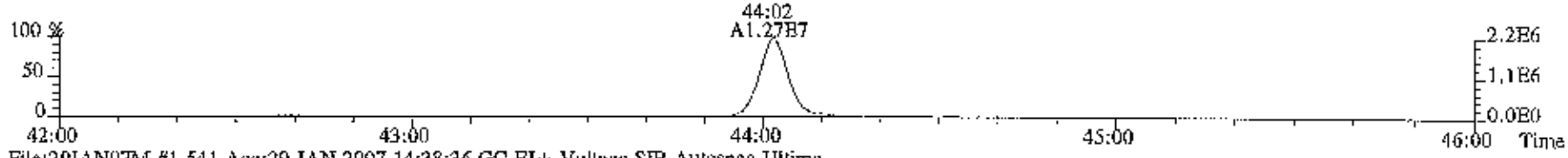
File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



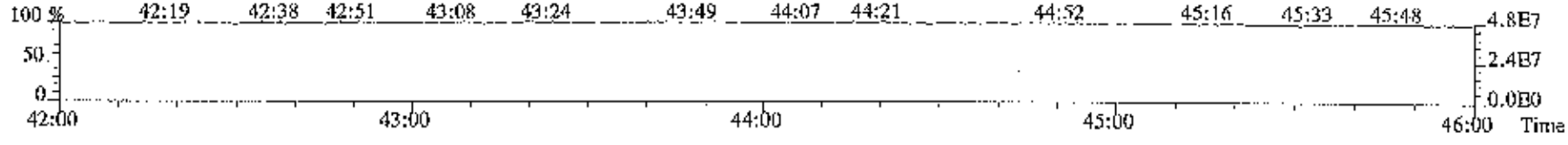
File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV

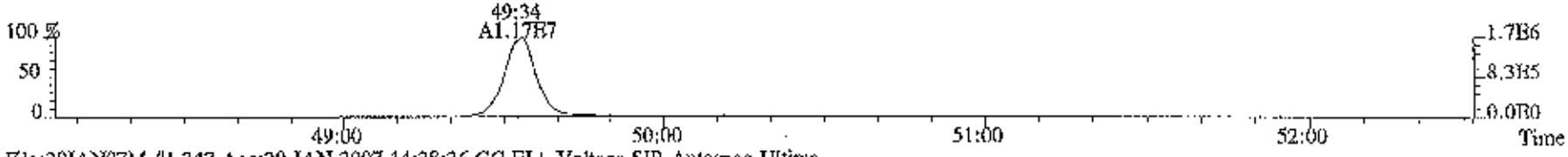


File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
430.9728 F:4 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV

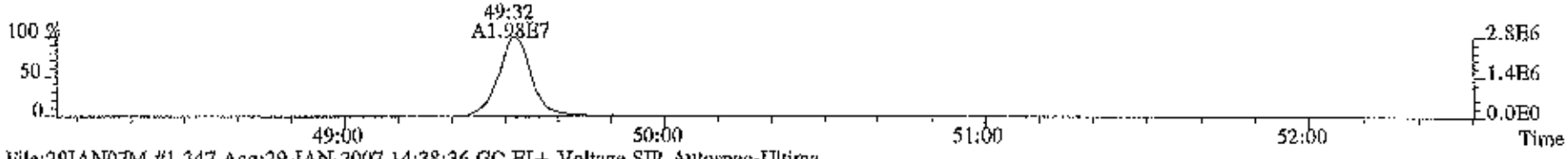


File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV

File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



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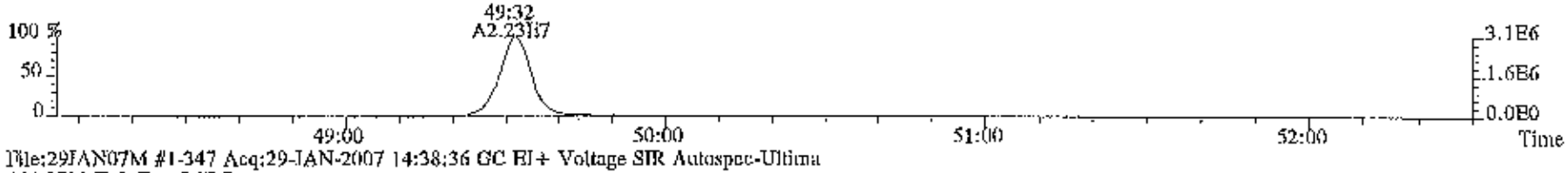

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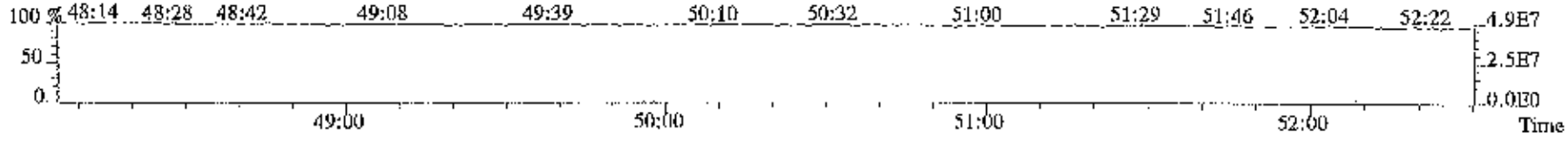
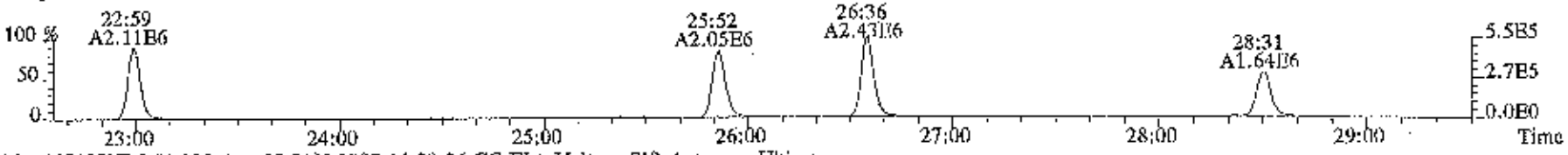
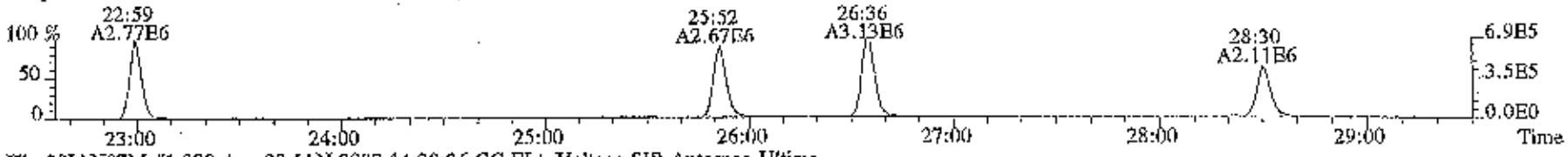
454.9728 F:5 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



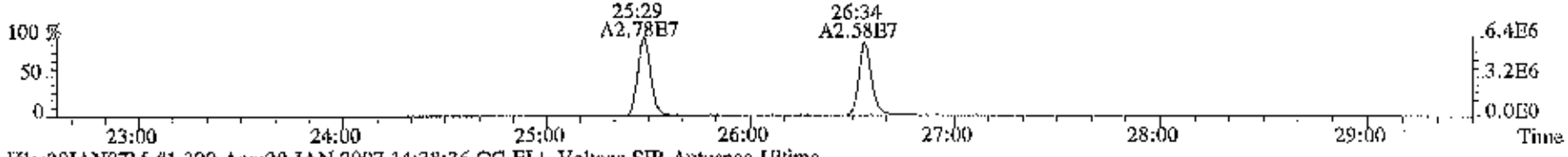
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



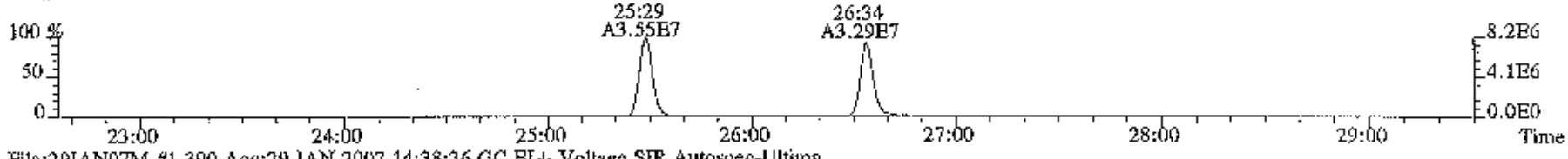
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



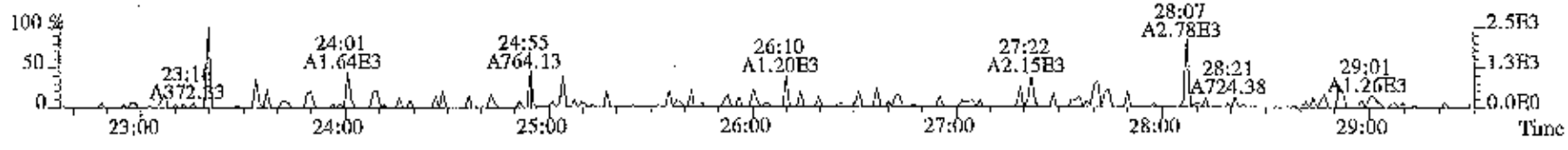
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



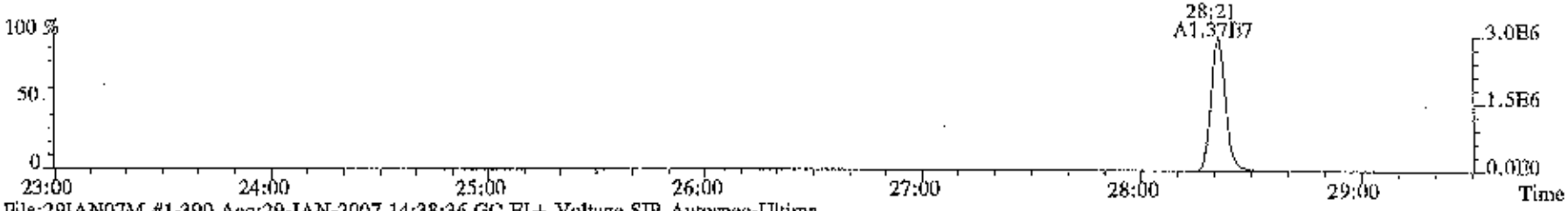
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



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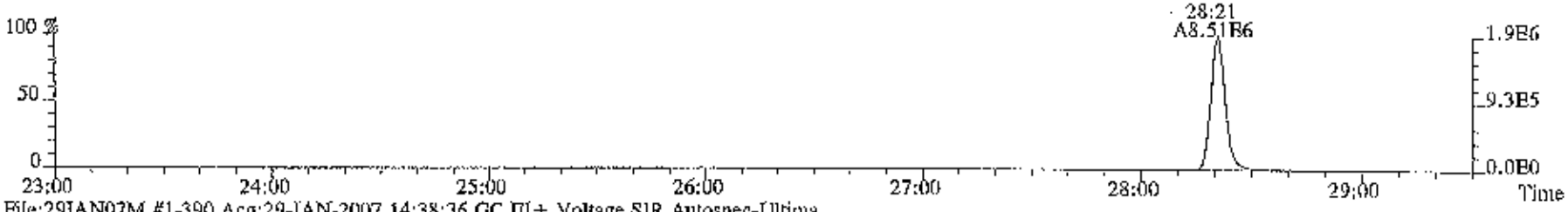
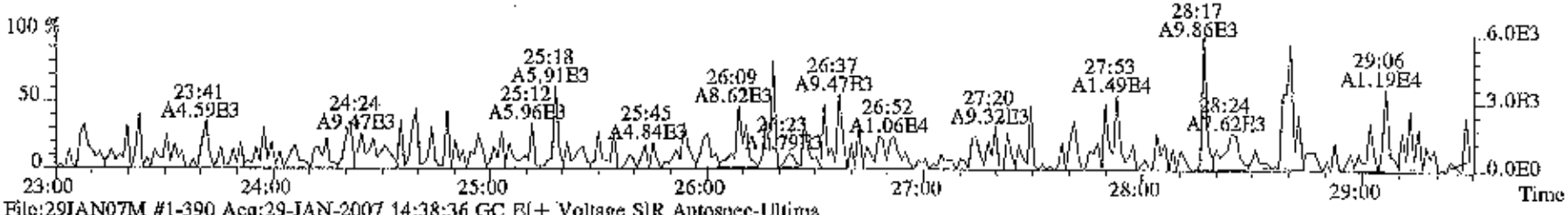
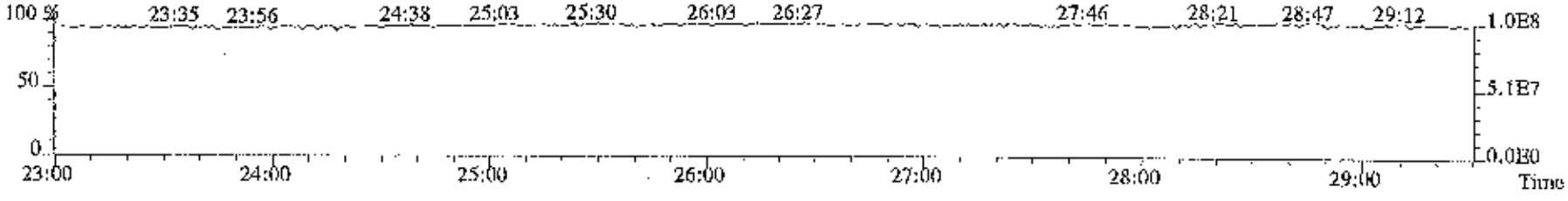
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



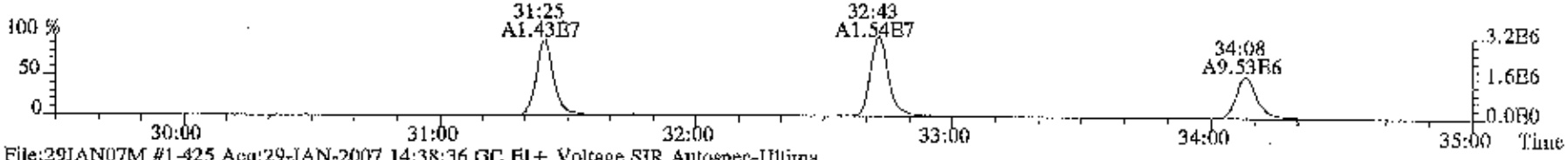
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



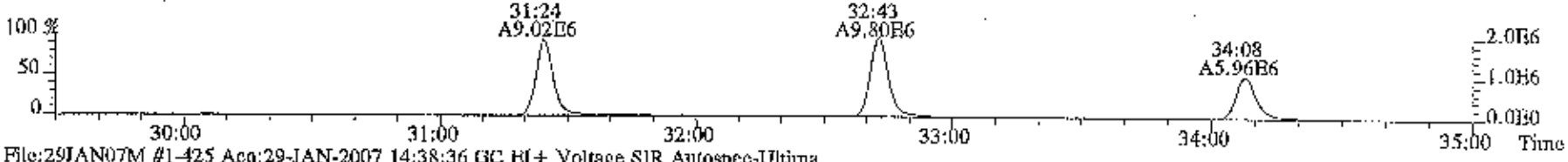
File:29JAN07M #1-390 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
330.9792 Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



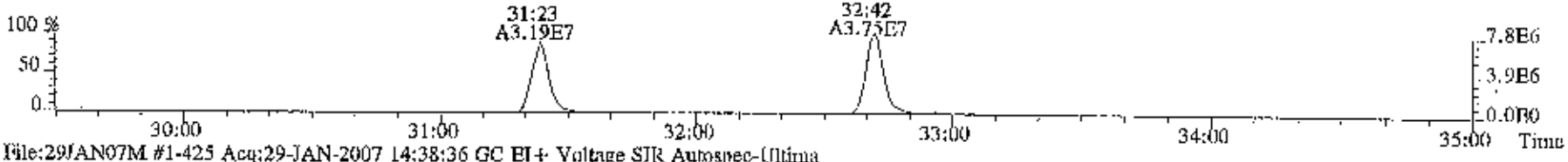
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



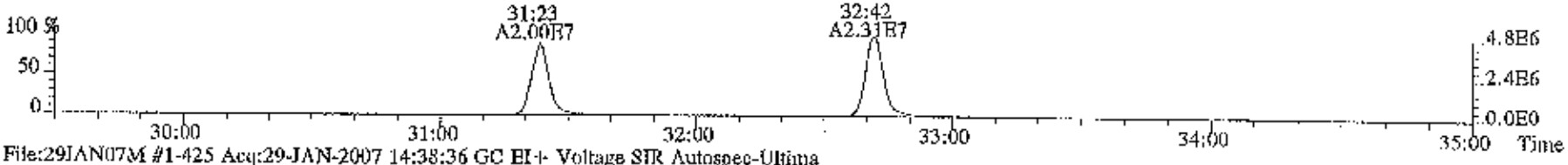
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



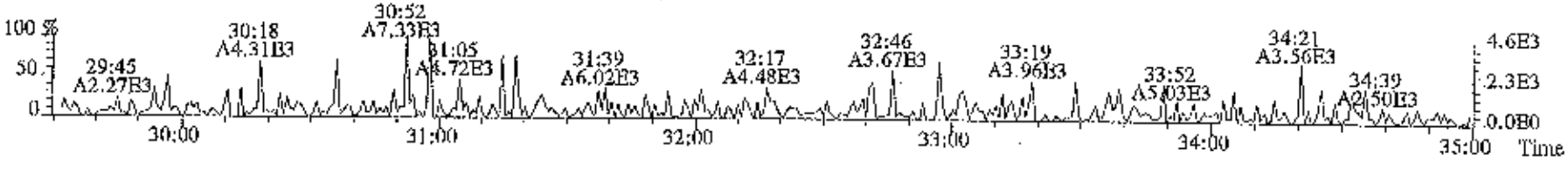
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



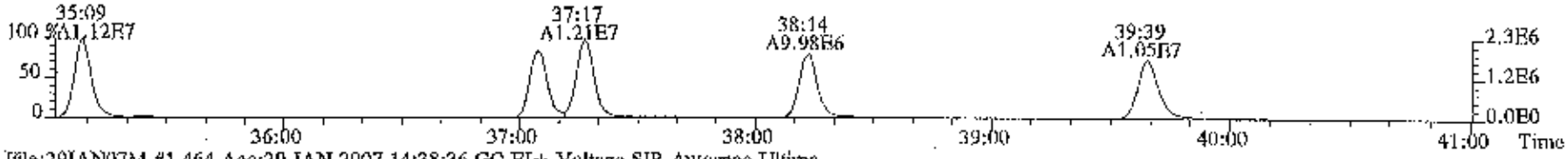
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



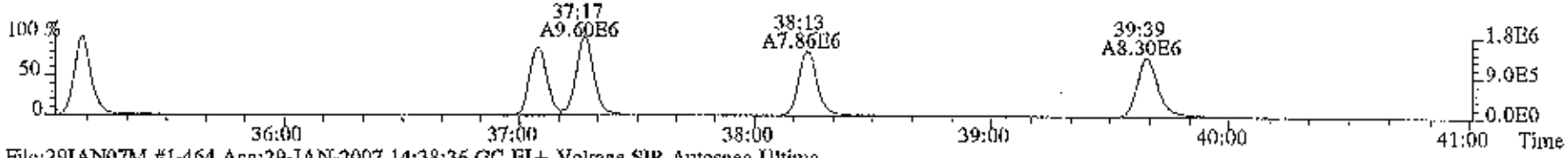
File:29JAN07M #1-425 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



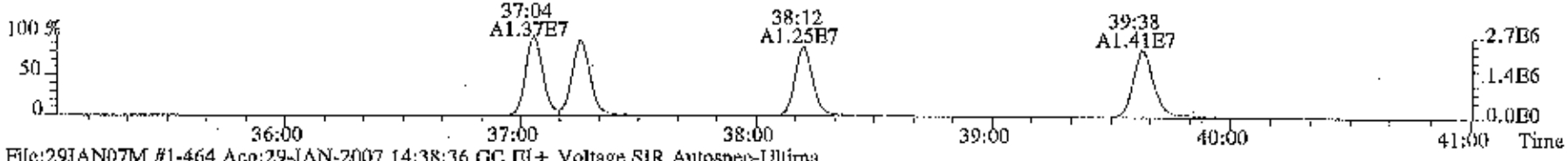
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



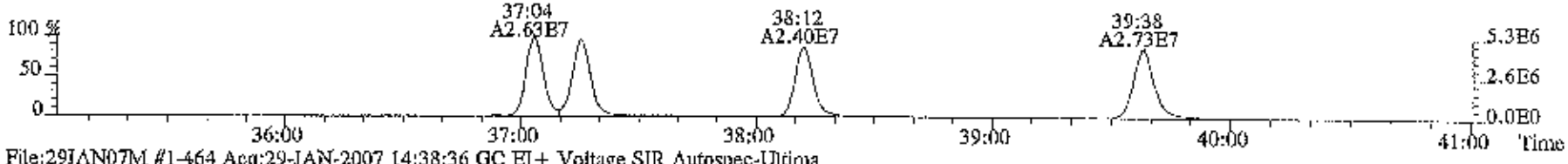
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



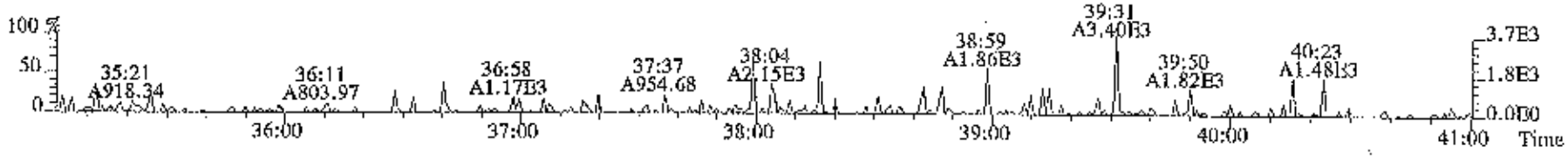
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



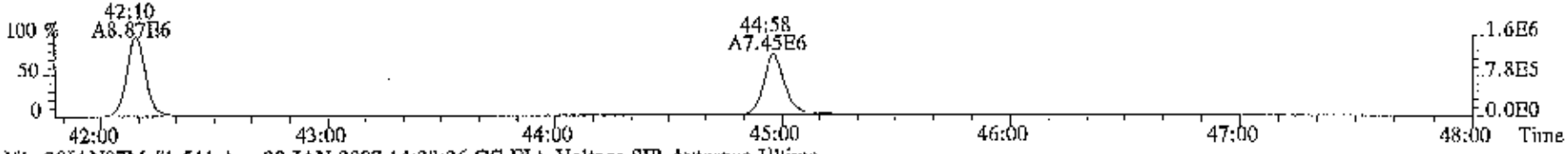
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



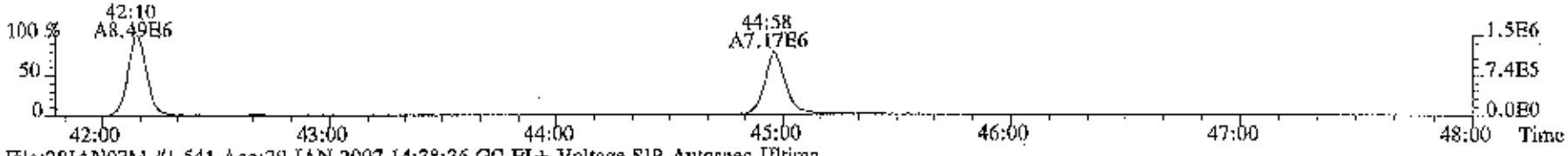
File:29JAN07M #1-464 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory



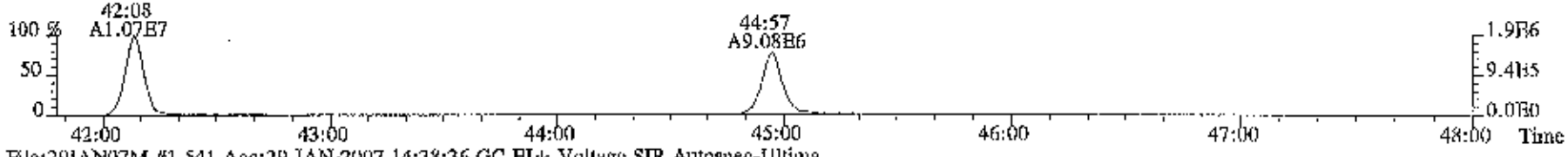
File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



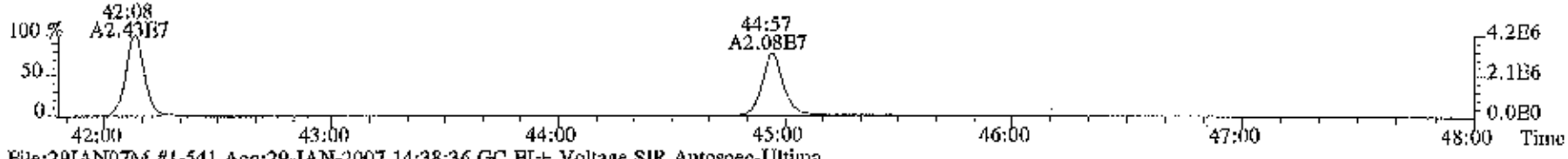
File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 14:38:36 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:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



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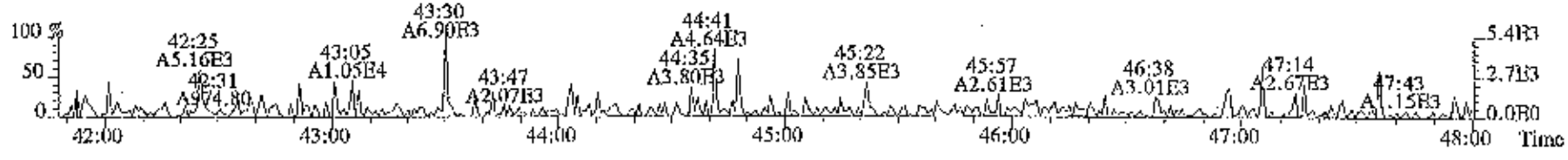
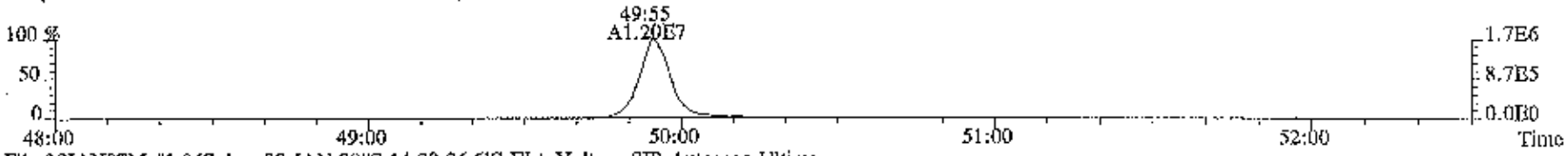
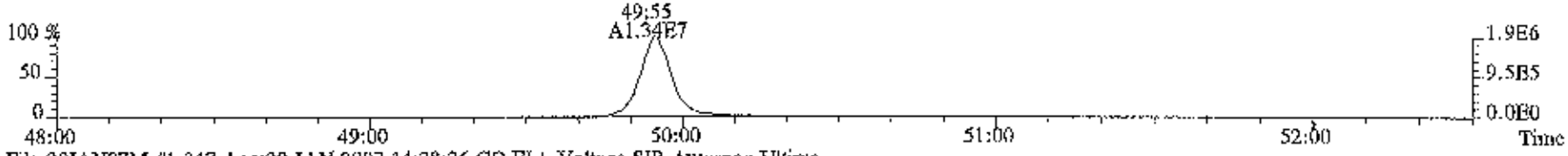
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



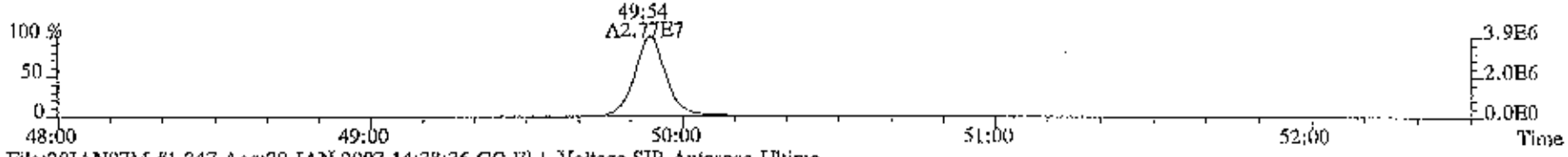
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



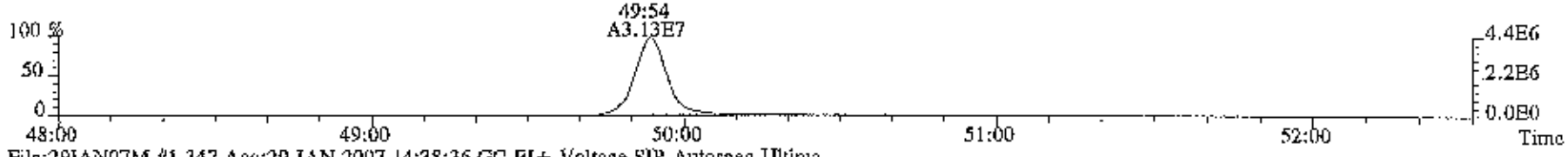
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



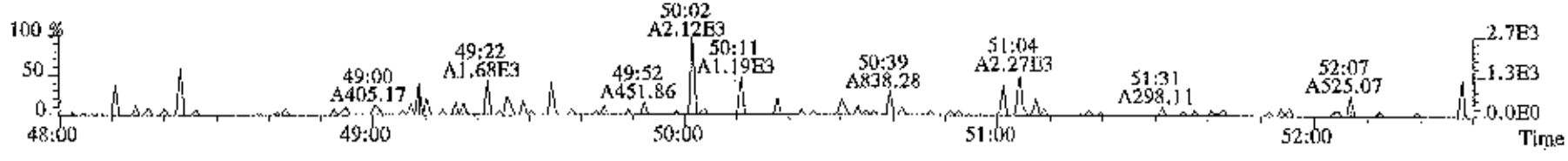
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



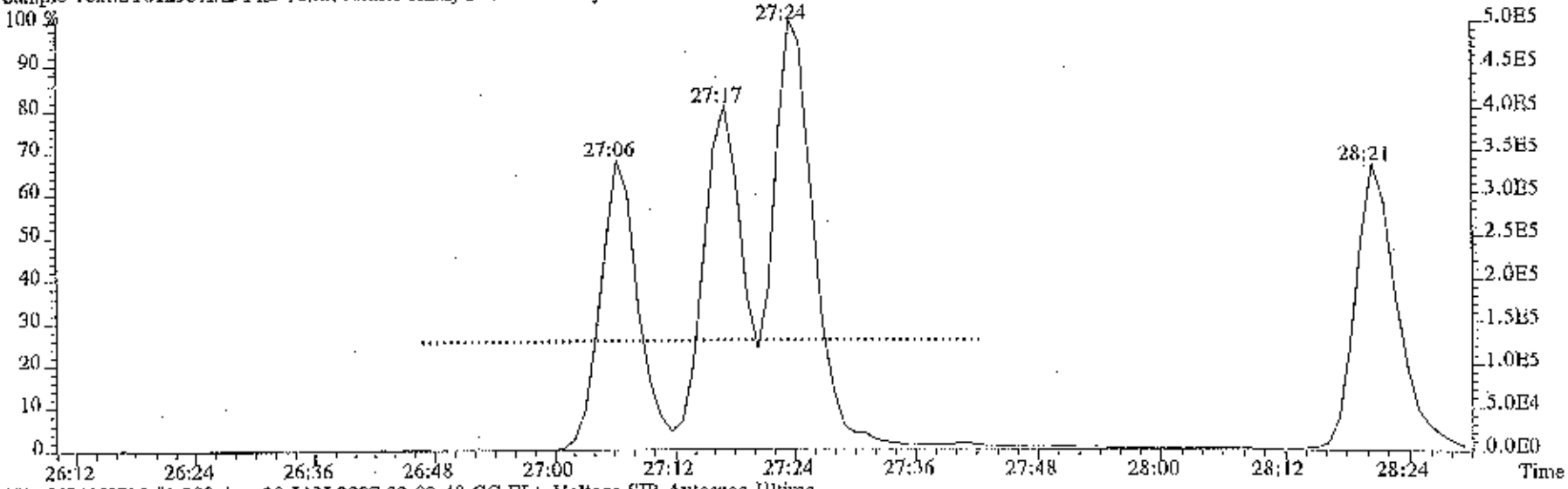
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



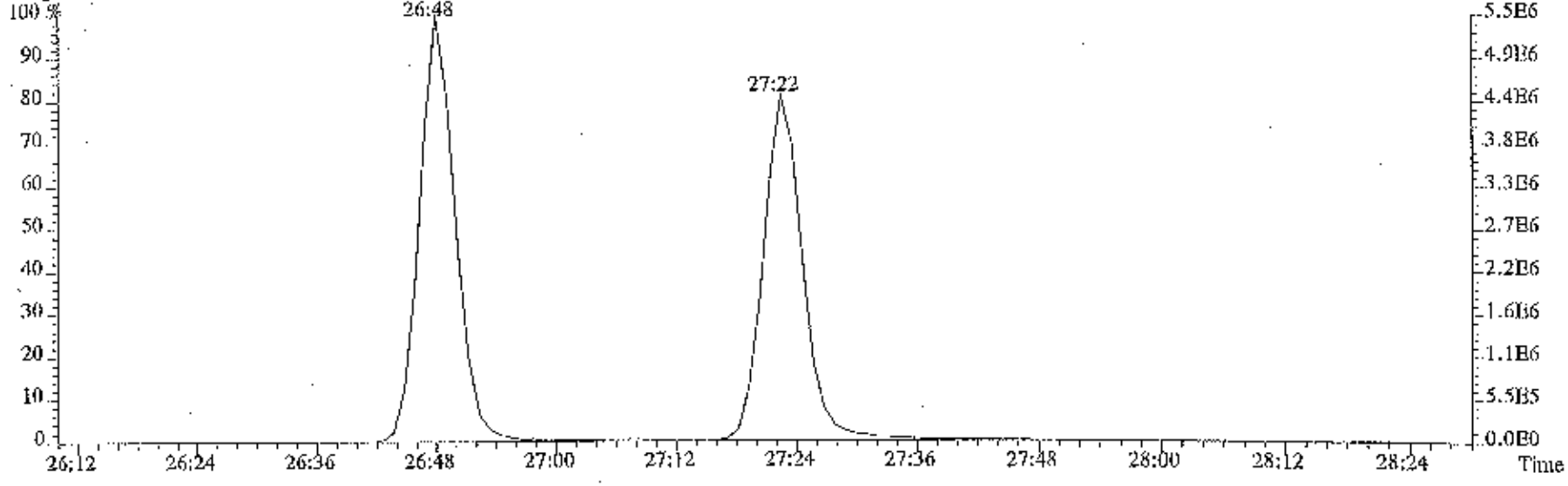
File:29JAN07M #1-347 Acq:29-JAN-2007 14:38:36 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M1 File Text:Frontier Analytical Laboratory Analyst ID:DV



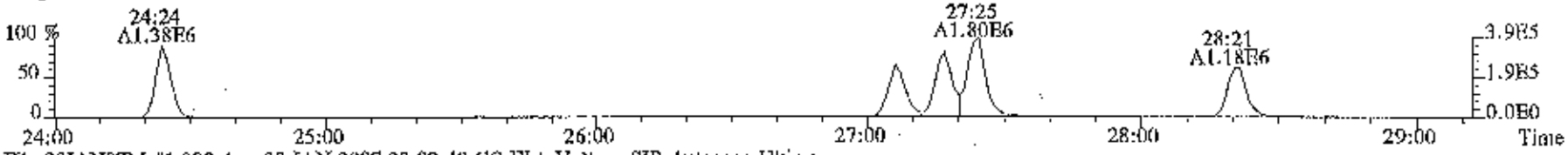
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:9 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory



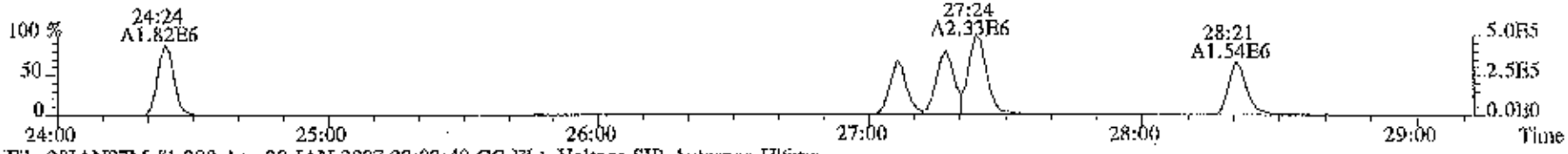
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:9 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory



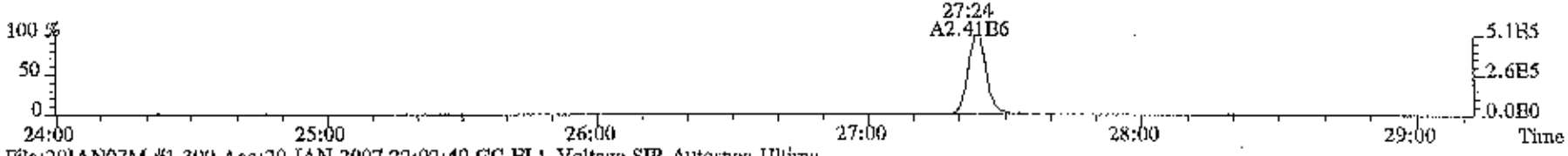
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



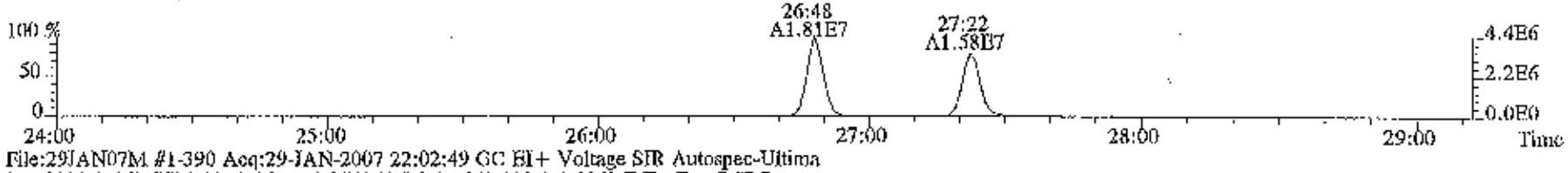
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



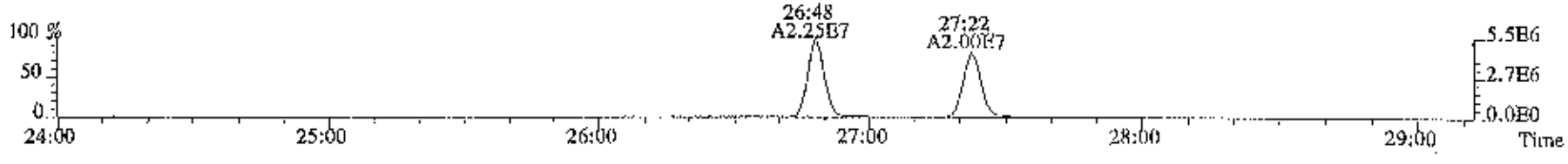
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



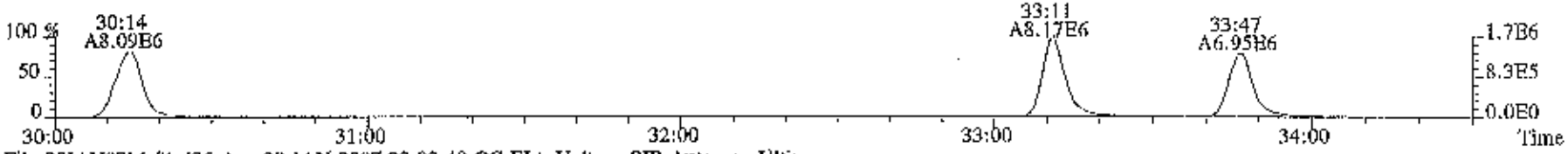
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



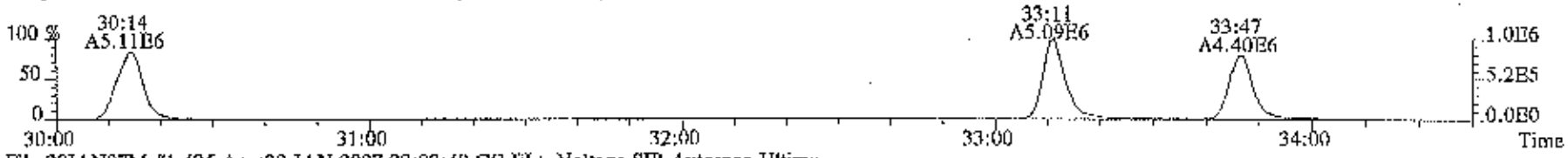
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 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:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV

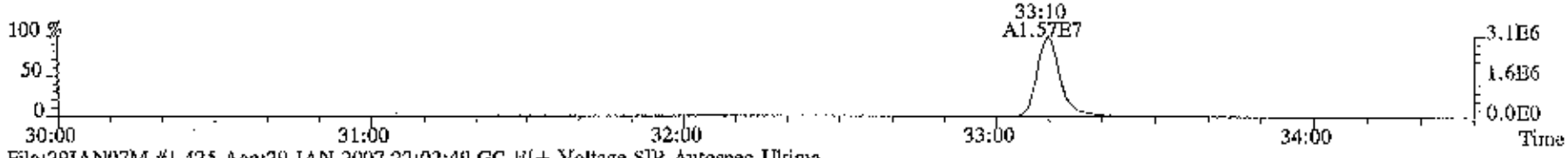


File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV

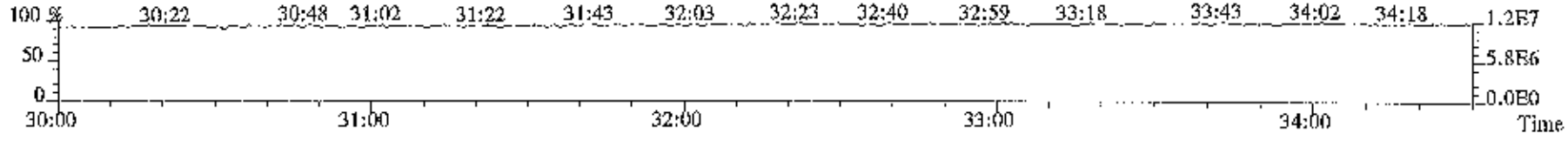


File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV

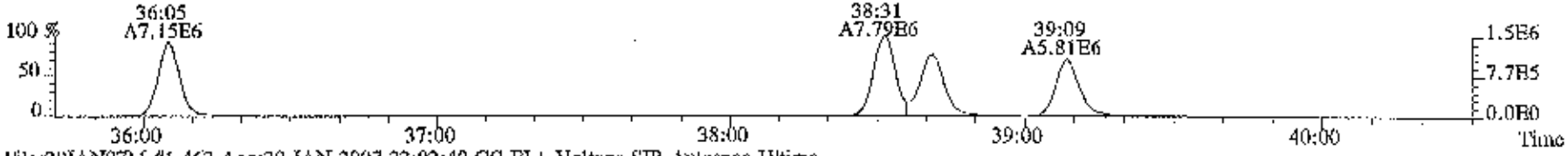
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



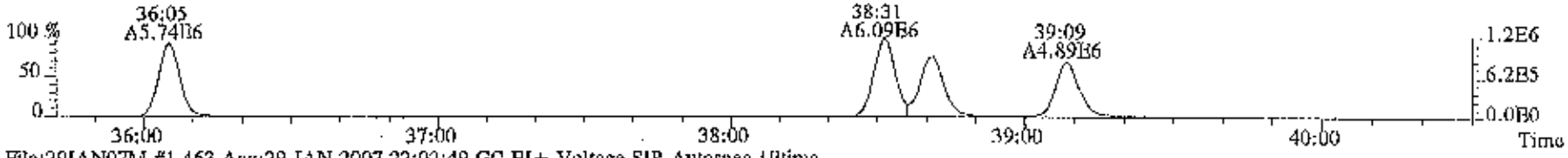
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:9 F:2 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



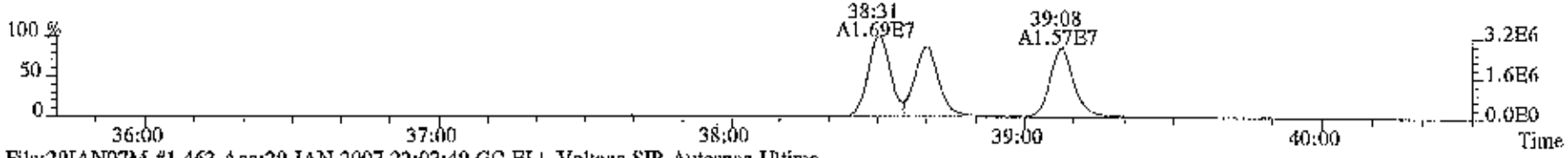
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



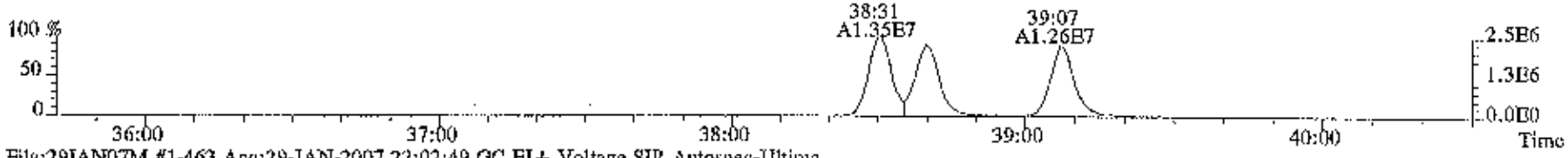
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



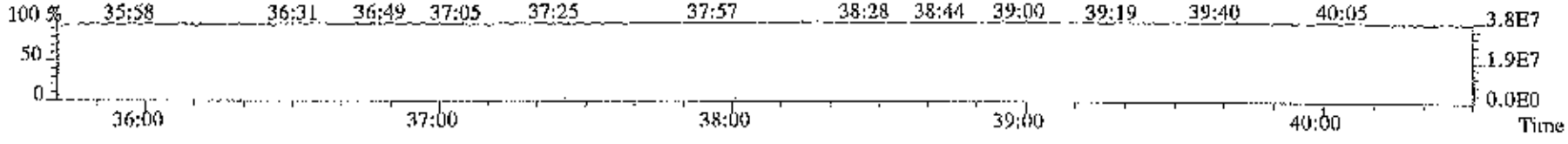
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



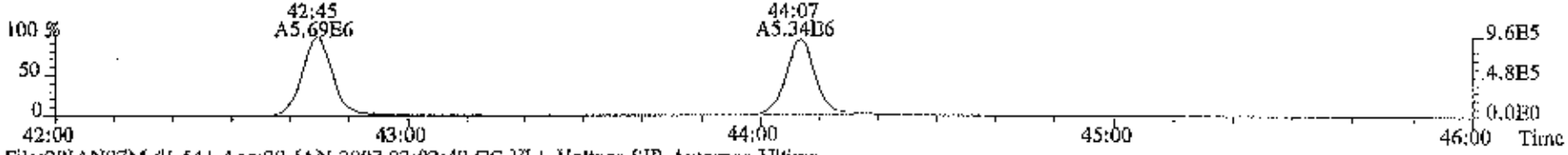
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



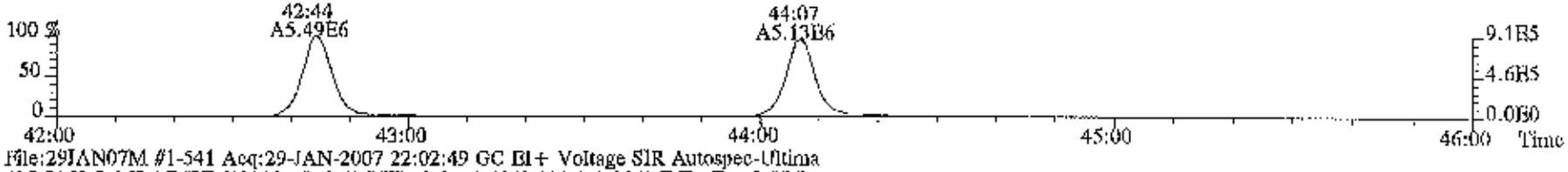
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:9 F:3 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



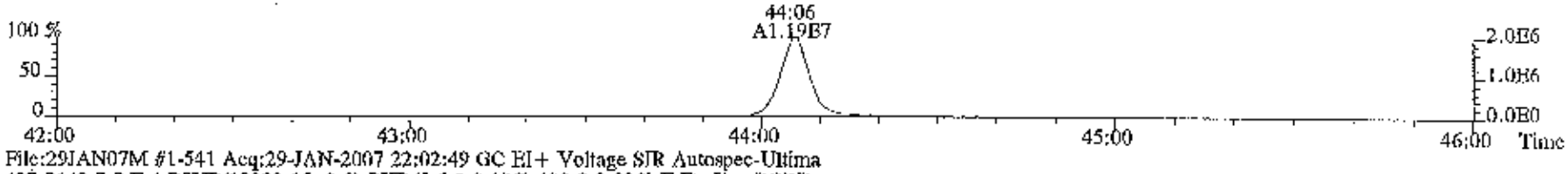
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



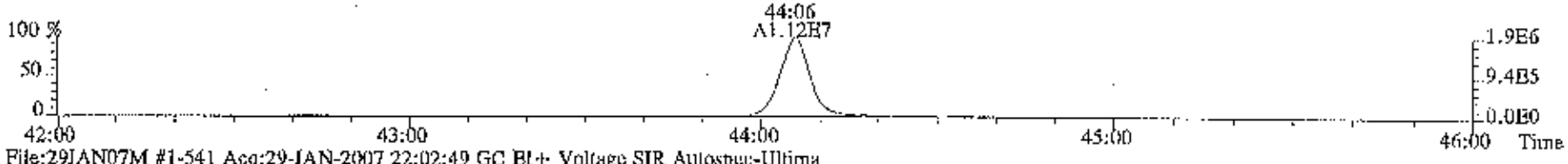
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



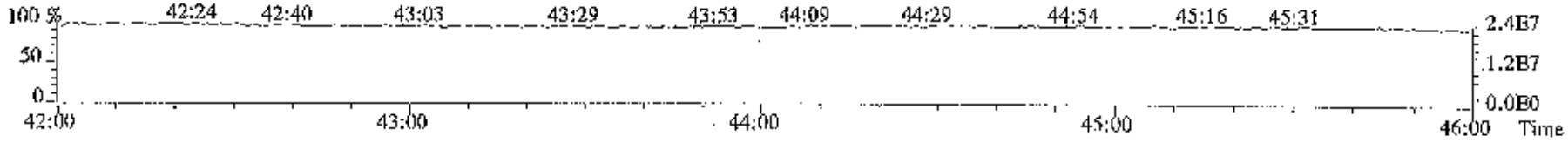
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



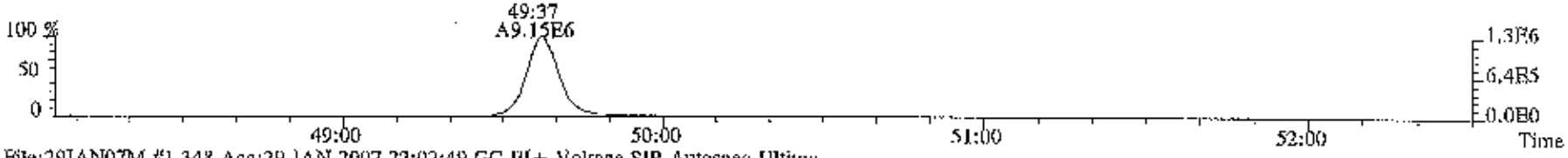
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



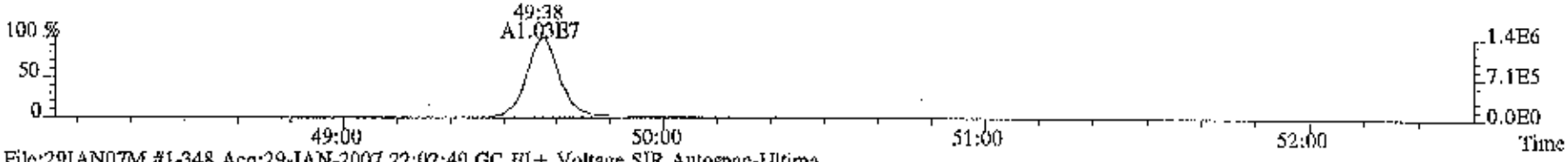
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:9 F:4 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



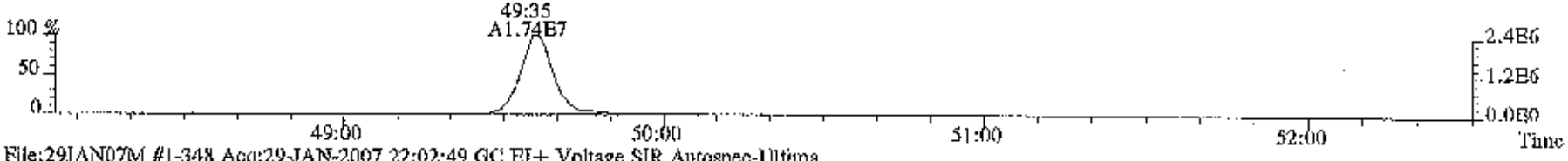
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



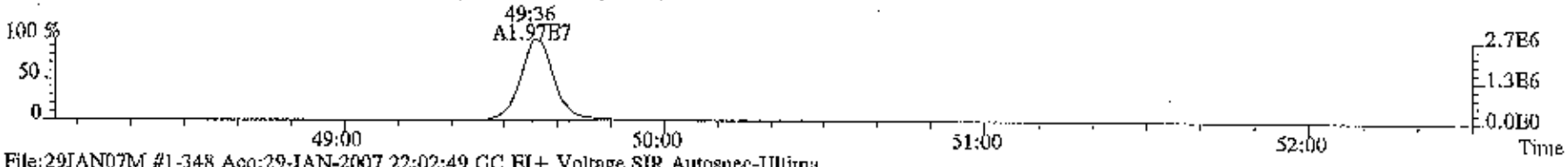
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



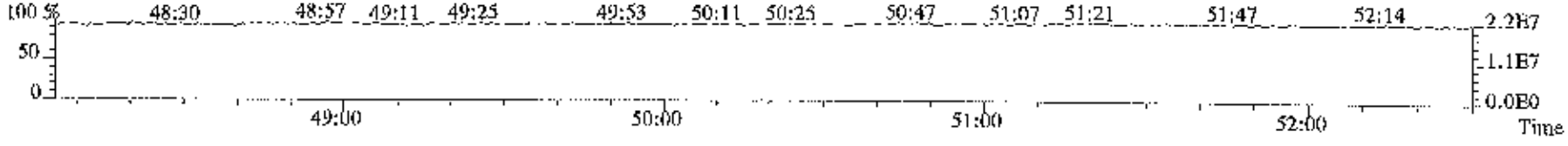
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



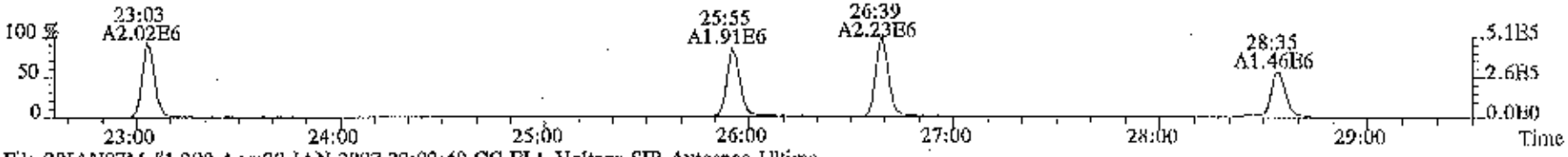
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



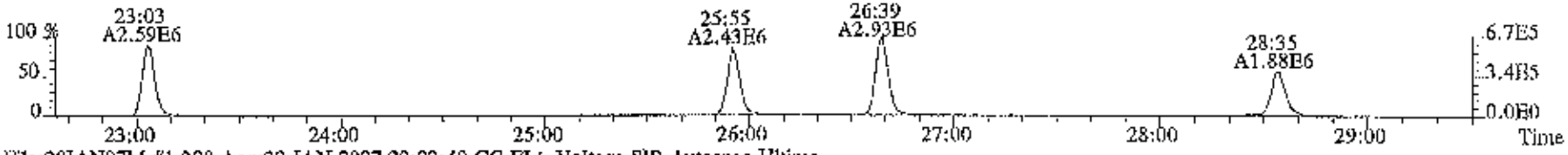
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:9 F:5 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



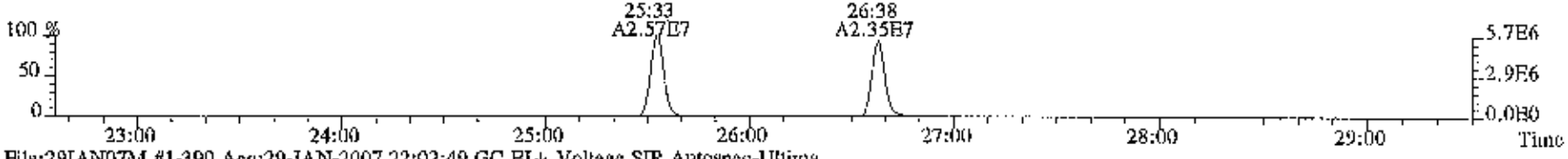
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



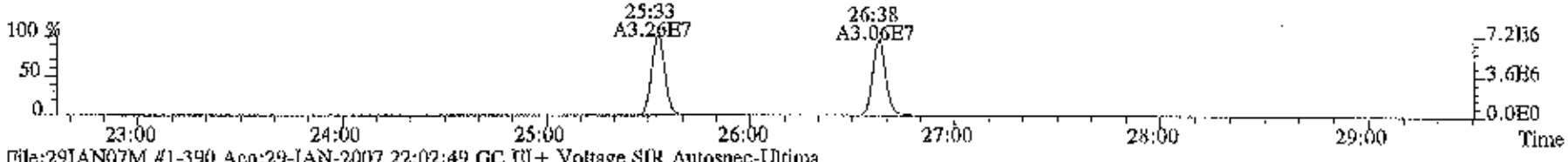
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



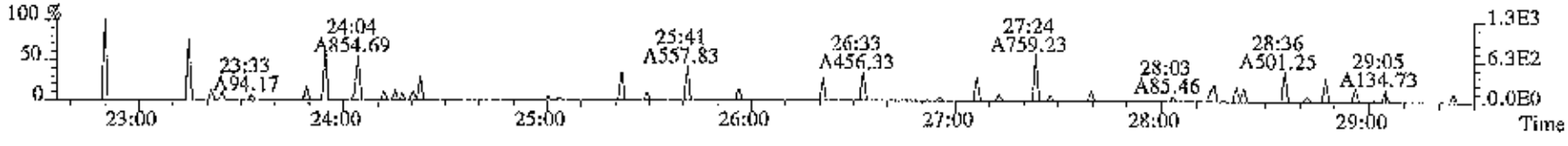
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



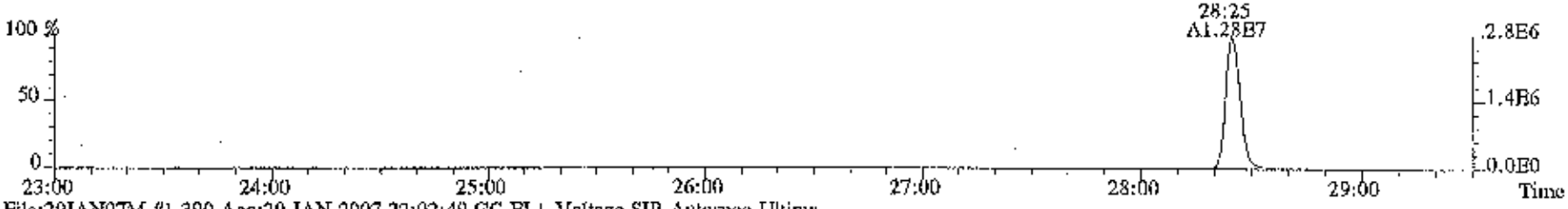
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



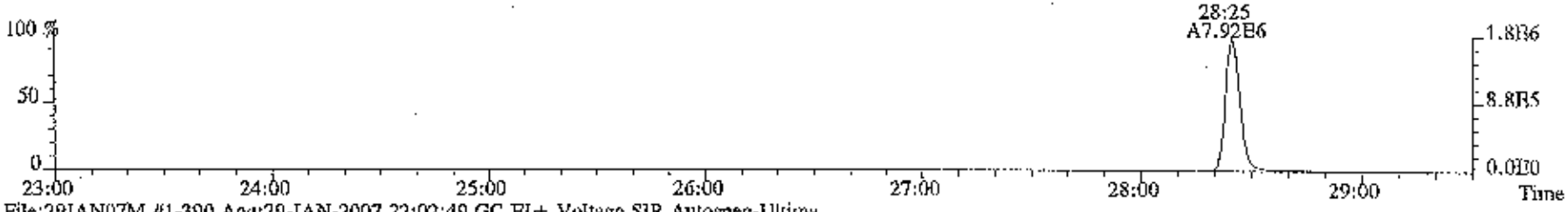
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



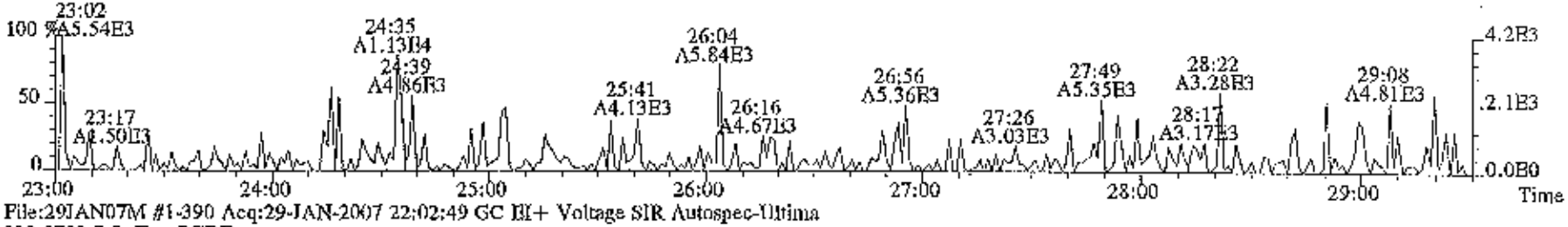
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



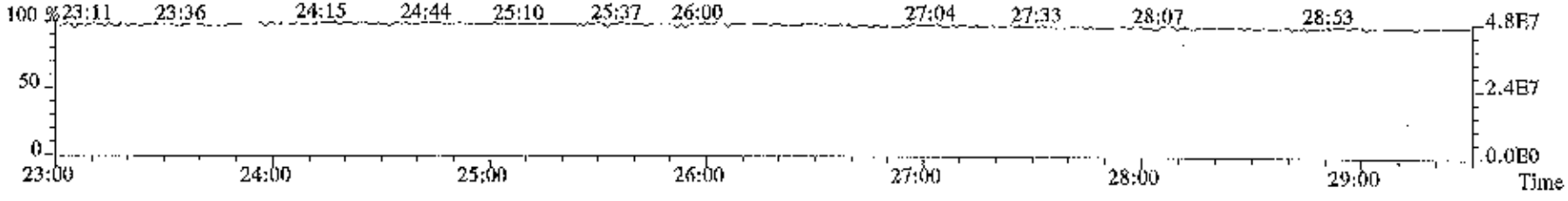
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



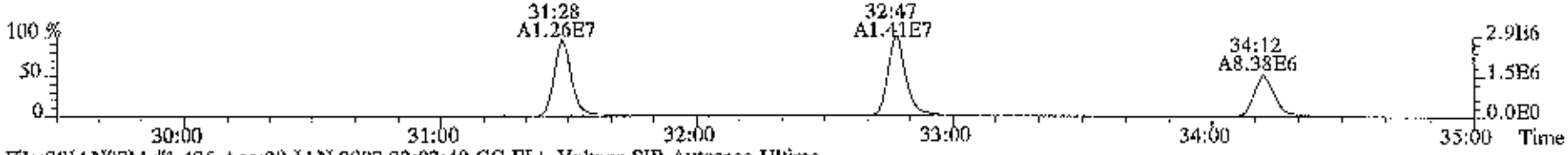
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



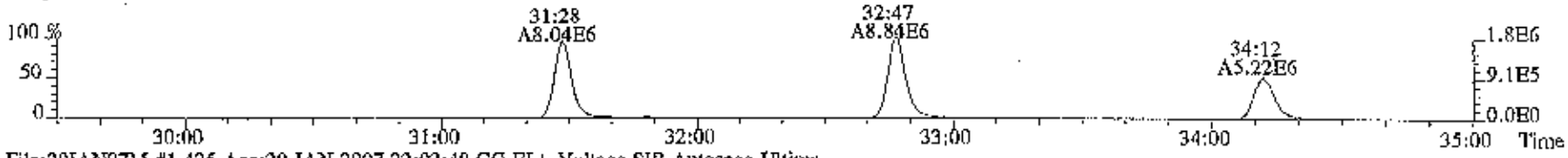
File:29JAN07M #1-390 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:9 Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



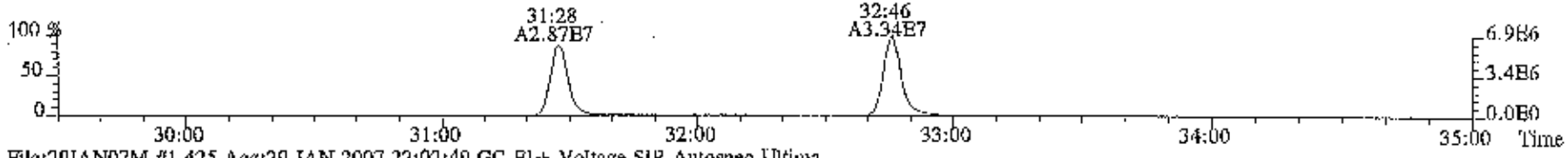
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



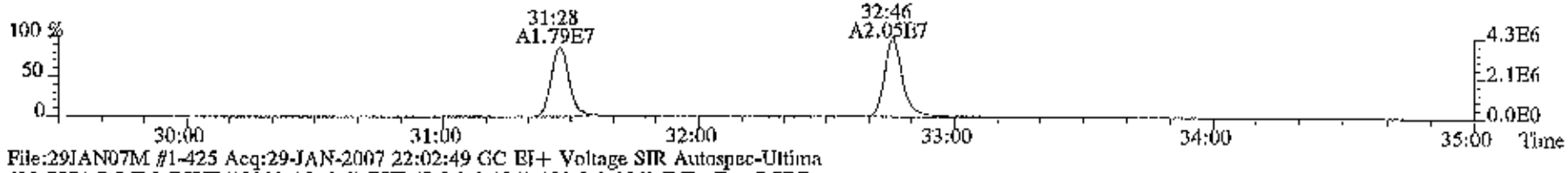
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



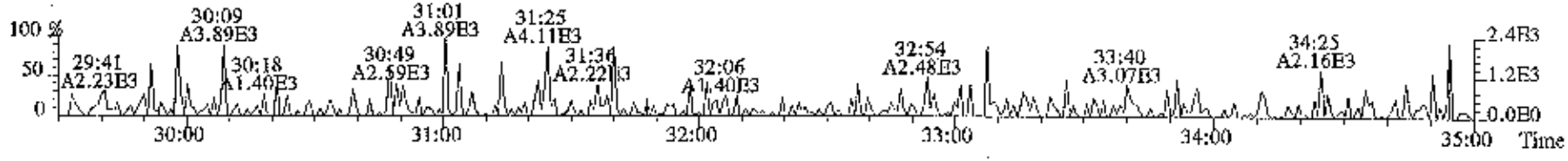
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



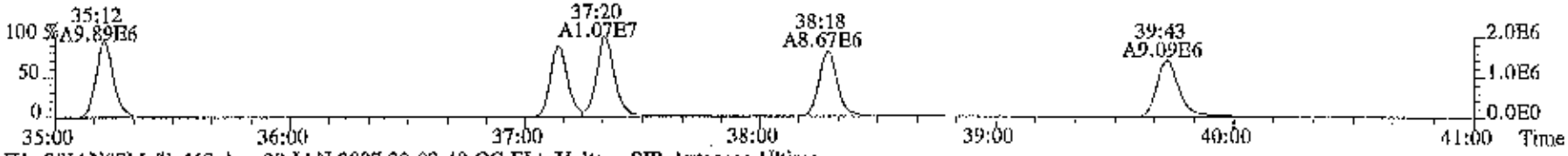
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



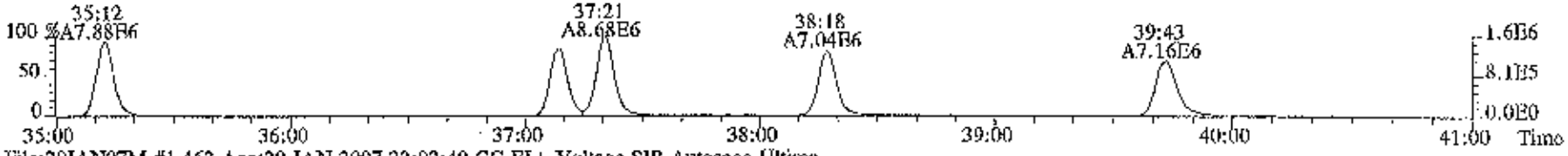
File:29JAN07M #1-425 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



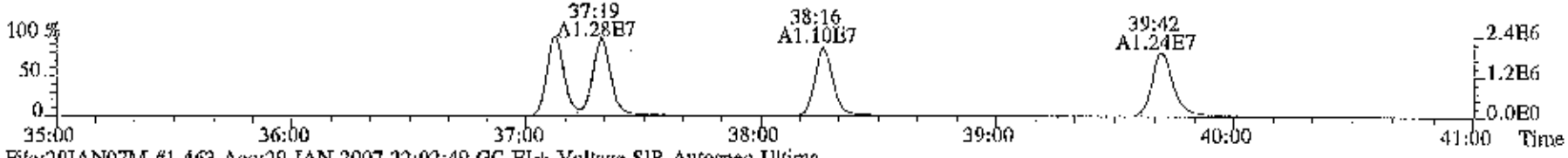
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



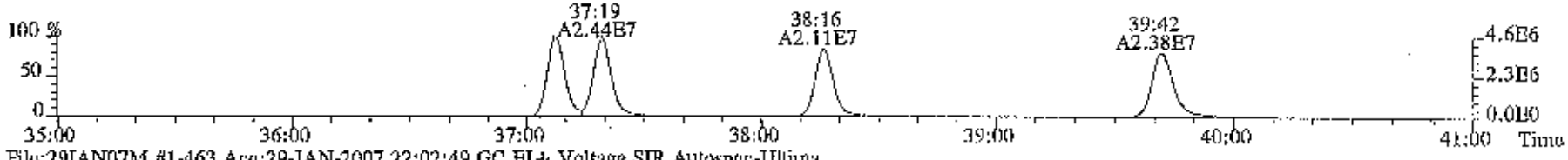
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



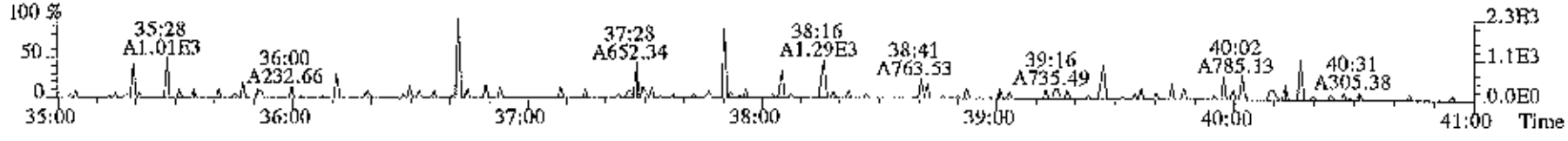
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



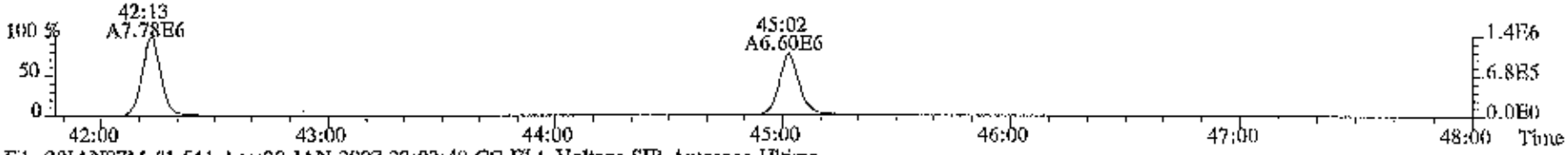
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



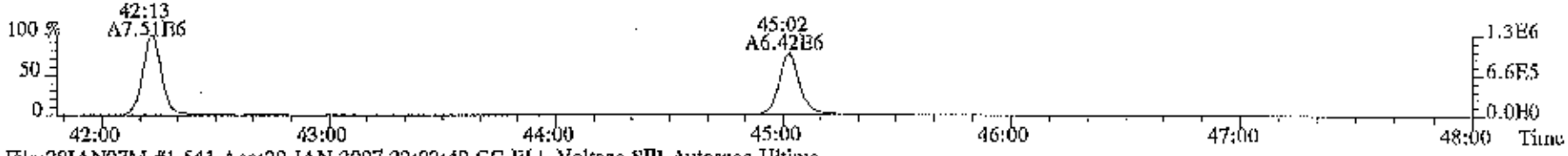
File:29JAN07M #1-463 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



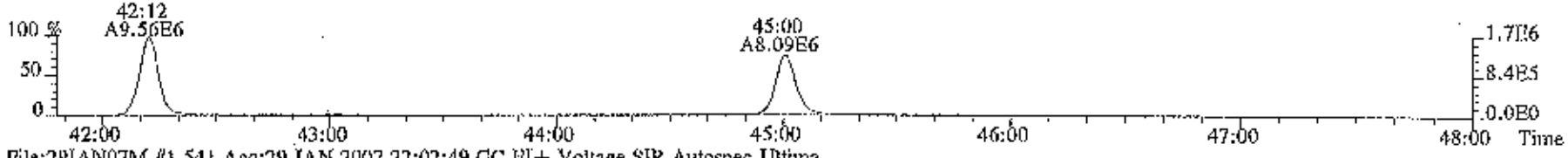
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



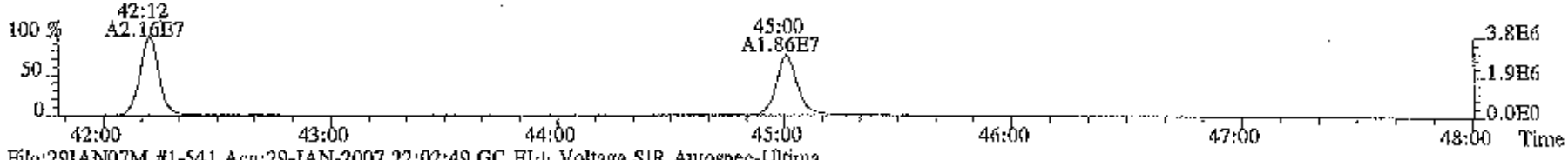
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



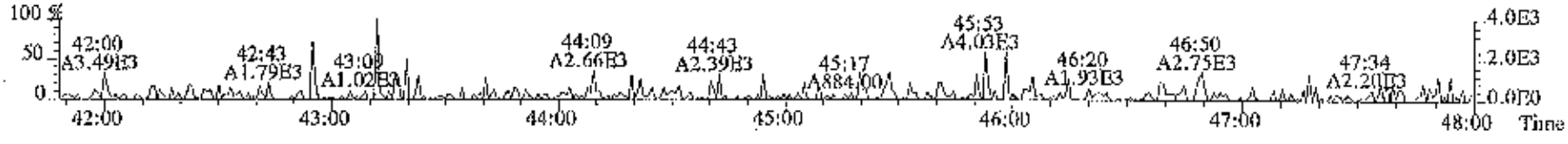
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



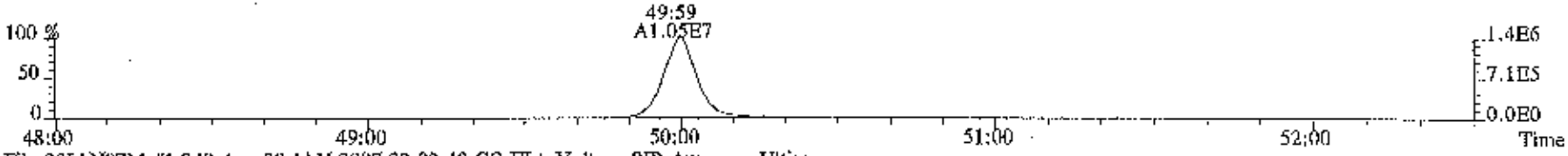
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



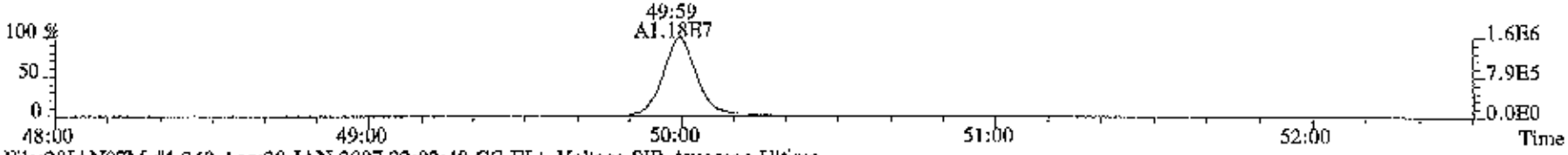
File:29JAN07M #1-541 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



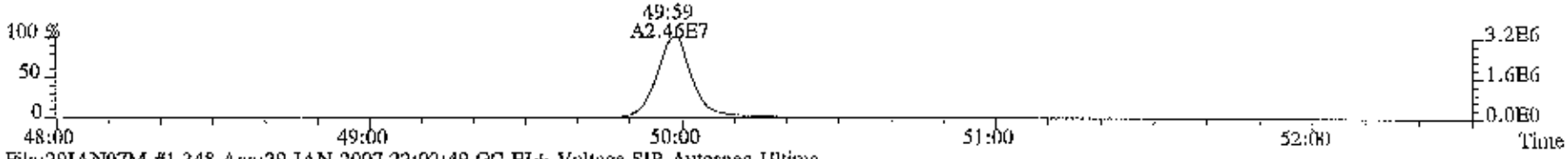
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



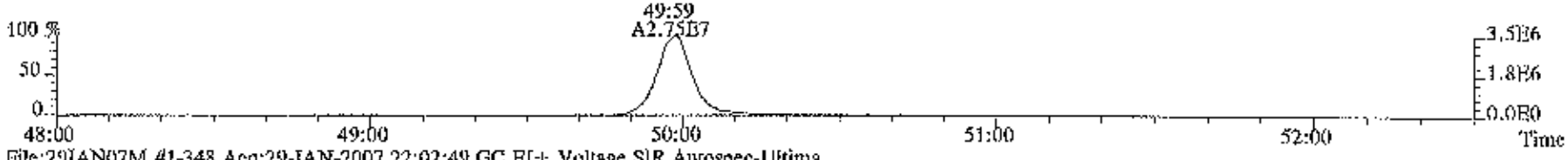
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



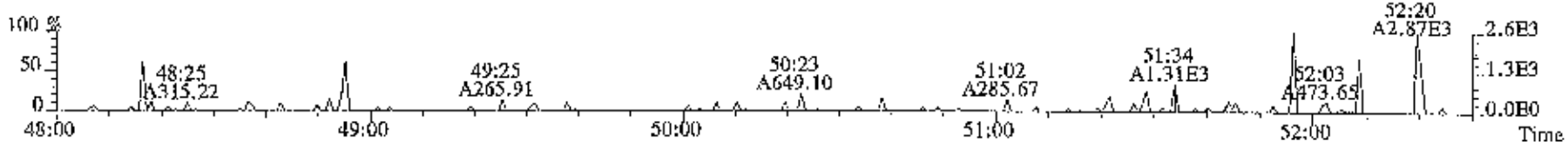
File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 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:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-348 Acq:29-JAN-2007 22:02:49 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:ST012907M2 File Text:Frontier Analytical Laboratory Analyst ID:DV



FAL ID: ST012907M1 Filename: 29JAN07M Sam:1 Acquired: 29-JAN-07 14:38:36 ICal: PCDDFAL3-10-24-06
Client ID: 5613 CS3 (061011J) SonCal: ST012907M1 EndCal: ST012907M2
Results: 4287 GC Column: db5 Amount: 1.000 NATO 1989 Tox: 102
WHO 1998 Tox: 126

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	4.42e+06	0.76 y	27:20	1.19	9.72		2.50	-	*	
1,2,3,7,8-PeCDD	1.52e+07	1.58 y	33:07	0.69	48.7		2.50	-	*	
1,2,3,4,7,8-HxCDD	1.57e+07	1.27 y	38:28	0.94	49.3		2.50	-	*	
1,2,3,6,7,8-HxCDD	1.34e+07	1.28 y	38:37	0.81	50.9		2.50	-	*	
1,2,3,7,8,9-HxCDD	1.23e+07	1.24 y	39:05	0.74	50.3		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	1.19e+07	1.06 y	44:03	0.89	51.1		2.50	-	*	
OCDD	2.20e+07	0.89 y	49:34	1.03	102		2.50	-	*	
2,3,7,8-TCDF	5.56e+06	0.78 y	26:36	0.97	9.73		2.50	-	*	
1,2,3,7,8-PeCDF	2.33e+07	1.59 y	31:25	0.82	54.8		2.50	-	*	
2,3,4,7,8-PeCDF	2.52e+07	1.57 y	32:43	0.78	53.5		2.50	-	*	
1,2,3,4,7,8-HxCDF	1.79e+07	1.26 y	37:05	0.90	49.8		2.50	-	*	
1,2,3,6,7,8-HxCDF	2.17e+07	1.26 y	37:17	1.02	51.8		2.50	-	*	
2,3,4,6,7,8-HxCDF	1.78e+07	1.27 y	38:14	0.97	50.3		2.50	-	*	
1,2,3,7,8,9-HxCDF	1.88e+07	1.27 y	39:39	0.89	50.8		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	1.74e+07	1.05 y	42:10	0.99	49.9		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	1.46e+07	1.04 y	44:58	0.98	49.8		2.50	-	*	
OCDF	2.53e+07	0.89 y	49:55	0.84	102		2.50	-	*	
										Rec
13C-2,3,7,8-TCDD	3.82e+07	0.78 y	27:19	0.95	94.0					94.0
13C-1,2,3,7,8-PeCDD	4.50e+07	1.56 y	33:06	1.06	99.2					99.2
13C-1,2,3,4,7,8-HxCDD	3.38e+07	1.31 y	38:26	1.05	99.7					99.7
13C-1,2,3,6,7,8-HxCDD	3.24e+07	1.22 y	38:36	1.00	101					101
13C-1,2,3,4,6,7,8-HpCDD	2.61e+07	1.06 y	44:02	0.82	98.9					98.9
13C-OCDD	4.20e+07	0.89 y	49:32	0.68	192					96.1
13C-2,3,7,8-TCDF	5.88e+07	0.78 y	26:34	0.98	94.3					94.3
13C-1,2,3,7,8-PeCDF	5.19e+07	1.59 y	31:23	0.83	98.8					98.8
13C-2,3,4,7,8-PeCDF	6.06e+07	1.62 y	32:42	0.97	98.3					98.3
13C-1,2,3,4,7,8-HxCDF	4.00e+07	0.52 y	37:04	1.28	97.1					97.1
13C-1,2,3,6,7,8-HxCDF	4.10e+07	0.52 y	37:15	1.29	99.2					99.2
13C-2,3,4,6,7,8-HxCDF	3.66e+07	0.52 y	38:12	1.12	101					101
13C-1,2,3,7,8,9-HxCDF	4.14e+07	0.52 y	39:38	1.27	102					102
13C-1,2,3,4,6,7,8-HpCDF	3.50e+07	0.44 y	42:08	1.06	103					103
13C-1,2,3,4,7,8,9-HpCDF	2.99e+07	0.44 y	44:57	0.94	98.7					98.7
13C-OCDF	5.90e+07	0.89 y	49:54	0.95	194					96.9
37Cl-2,3,7,8-TCDD	2.57e+06		27:20	0.65	9.20					92.0
13C-1,2,3,4-TCDD	4.29e+07	0.81 y	26:44	-	21.2					
13C-1,2,3,4-TCDF	6.33e+07	0.78 y	25:29	-	20.6					
13C-1,2,3,7,8,9-HxCDD	3.21e+07	1.29 y	39:04	-	20.8					
							Fac	Noise	DL	#Rem
Total Tetra-Dioxins	1.73e+07		23:08	1.19	38.0		2.50	-	*	25
Total Penta-Dioxins	4.29e+07		30:11	0.69	137		2.50	-	*	21
Total Hexa-Dioxins	5.62e+07		36:01	0.83	204		2.50	-	*	14
Total Hepta-Dioxins	2.55e+07		41:29	0.89	110		2.50	-	*	43
Total Tetra-Furans	1.93e+07		22:59	0.97	33.7		2.50	-	*	21
1st Fn. Tot Penta-Furans	2.22e+07		28:21	0.80	49.6		2.50	-	*	3 PeCDF
Total Penta-Furans	6.52e+07		30:06	0.80	145		2.50	-	*	18 195
Total Hexa-Furans	9.54e+07		35:09	0.95	254		2.50	-	*	16
Total Hepta-Furans	3.29e+07		42:10	0.99	103		2.50	-	*	16

Analyst: [illegible] Date: 1/30/07

FAL ID: STD12907M2 Filename: 29JAN07M Sam:9 Acquired: 29-JAN-07 22:02:49 Cal: PCDDFAL3-10-24-06
Client ID: 1613 CS3 (061011J) ConCal: STD12907M1 EndCal: STD12907M2
Results: 4287 GC Column: db5 Amount: 1.000 NATO 1989 Tox: 101
WHO 1998 Tox: 124

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	4.12e+06	0.77 y	27:25	1.19	9.69		2.50	-	*	
1,2,3,7,8-PeCDD	1.33e+07	1.60 y	33:11	0.69	46.5		2.50	-	*	
1,2,3,4,7,8-HxCDD	1.39e+07	1.28 y	38:31	0.94	48.5		2.50	-	*	
1,2,3,6,7,8-HxCDD	1.21e+07	1.24 y	38:42	0.81	50.6		2.50	-	*	
1,2,3,7,8,9-HxCDD	1.07e+07	1.19 y	39:09	0.74	48.3		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	1.05e+07	1.04 y	44:07	0.89	51.0		2.50	-	*	
OCDD	1.95e+07	0.89 y	49:37	1.03	102		2.50	-	*	
2,3,7,8-TCDF	5.16e+06	0.76 y	26:39	0.97	9.80		2.50	-	*	
1,2,3,7,8-PeCDF	2.07e+07	1.57 y	31:28	0.82	54.0		2.50	-	*	
2,3,4,7,8-PeCDF	2.29e+07	1.59 y	32:47	0.78	54.8		2.50	-	*	
1,2,3,4,7,8-HxCDF	1.60e+07	1.26 y	37:09	0.90	49.1		2.50	-	*	
1,2,3,6,7,8-HxCDF	1.94e+07	1.23 y	37:20	1.02	51.0		2.50	-	*	
2,3,4,6,7,8-HxCDF	1.57e+07	1.23 y	38:18	0.97	50.5		2.50	-	*	
1,2,3,7,8,9-HxCDF	1.62e+07	1.27 y	39:43	0.89	50.3		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	1.53e+07	1.04 y	42:13	0.99	49.3		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	1.30e+07	1.03 y	45:02	0.98	49.7		2.50	-	*	
OCDF	2.23e+07	0.89 y	49:59	0.84	102		2.50	-	*	
										Rec
13C-2,3,7,8-TCDD	3.57e+07	0.79 y	27:22	0.95	92.9					92.9
13C-1,2,3,7,8-PeCDD	4.11e+07	1.61 y	33:10	1.06	95.7					95.7
13C-1,2,3,4,7,8-HxCDD	3.04e+07	1.25 y	38:31	1.05	102					102
13C-1,2,3,6,7,8-HxCDD	2.93e+07	1.26 y	38:40	1.00	104					104
13C-1,2,3,4,6,7,8-HpCDD	2.30e+07	1.06 y	44:06	0.82	99.2					99.2
13C-OCDD	3.71e+07	0.88 y	49:35	0.68	193					96.6
13C-2,3,7,8-TCDF	5.42e+07	0.77 y	26:38	0.98	94.3					94.3
13C-1,2,3,7,8-PeCDF	4.66e+07	1.61 y	31:28	0.83	96.4					96.4
13C-2,3,4,7,8-PeCDF	5.38e+07	1.63 y	32:46	0.97	94.7					94.7
13C-1,2,3,4,7,8-HxCDF	3.62e+07	0.51 y	37:08	1.28	100					100
13C-1,2,3,6,7,8-HxCDF	3.73e+07	0.52 y	37:19	1.29	103					103
13C-2,3,4,6,7,8-HxCDF	3.21e+07	0.52 y	38:16	1.12	101					101
13C-1,2,3,7,8,9-HxCDF	3.61e+07	0.52 y	39:42	1.27	101					101
13C-1,2,3,4,6,7,8-HpCDF	3.12e+07	0.44 y	42:12	1.06	104					104
13C-1,2,3,4,7,8,9-HpCDF	2.67e+07	0.43 y	45:00	0.94	100					100
13C-OCDF	5.21e+07	0.90 y	49:59	0.95	195					97.4
37Cl-2,3,7,8-TCDD	2.41e+06		27:24	0.65	9.08					90.8
13C-1,2,3,4-TCDD	4.06e+07	0.81 y	26:48	-	20.1					
13C-1,2,3,4-TCDF	5.83e+07	0.79 y	25:33	-	19.0					
13C-1,2,3,7,8,9-HxCDD	2.82e+07	1.24 y	39:08	-	18.3					
							Fac	Noise	DL	#Hom	
Total Tetra-Dioxins	1.59e+07		24:24	1.19	37.5		2.50	-	*	20	
Total Penta-Dioxins	3.80e+07		30:14	0.69	133		2.50	-	*	14	
Total Hexa-Dioxins	4.99e+07		36:05	0.83	201		2.50	-	*	19	
Total Hepta-Dioxins	2.22e+07		42:45	0.89	108		2.50	-	*	28	
Total Tetra-Furans	1.79e+07		23:03	0.97	34.0		2.50	-	*	23	
1st Fn. Tot Penta-Furans	2.07e+07		28:25	0.80	51.7		2.50	-	*	3	PeCDF
Total Penta-Furans	5.78e+07		30:10	0.80	144		2.50	-	*	13	196
Total Hexa-Furans	8.58e+07		35:12	0.95	256		2.50	-	*	19	
Total Hepta-Furans	2.90e+07		42:13	0.99	102		2.50	-	*	25	

Analyst: DRJ Date: 1/30/07

1DFA - FORM I-HR CDD-1
CDD/CDF SAMPLE DATA SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-MB
SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 29JAN07W Sam: 3
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: NA
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07
GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or mg/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	NotFnd	*	*	U	0.931
2,3,7,8-TCDF	304/306	NotFnd	*	*	U	0.859
1,2,3,7,8-PeCDF	340/342	NotFnd	*	*	U	2.52
1,2,3,7,8-PeCDD	356/358	NotFnd	*	*	U	1.25
2,3,4,7,8-PeCDF	340/342	NotFnd	*	*	U	2.43
1,2,3,4,7,8-HxCDF	374/376	NotFnd	*	*	U	1.12
1,2,3,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.05
1,2,3,4,7,8-HxCDD	390/392	NotFnd	*	*	U	2.18
1,2,3,6,7,8-HxCDD	390/392	NotFnd	*	*	U	2.95
1,2,3,7,8,9-HxCDD	390/392	NotFnd	*	*	U	3.23
2,3,4,6,7,8-HxCDF	374/376	NotFnd	*	*	U	1.22
1,2,3,7,8,9-HxCDF	374/376	NotFnd	*	*	U	1.40
1,2,3,4,6,7,8-HpCDF	408/410	NotFnd	*	*	U	1.12
1,2,3,4,6,7,8-HpCDD	424/426	NotFnd	*	*	U	1.87
1,2,3,4,7,8,9-HpCDF	408/410	NotFnd	*	*	U	1.52
OCDD	458/460	NotFnd	*	*	U	3.60
OCDF	442/444	NotFnd	*	*	U	3.43

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:23	0.80	0.65-0.89	84.5	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:11	1.59	1.32-1.78	89.8	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:31	1.22	1.05-1.43	86.1	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:41	1.30	1.05-1.43	94.4	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:07	1.04	0.88-1.20	81.6	23-140
13C-OCDD	470/472	49:38	0.90	0.76-1.02	71.1	17-157
13C-2,3,7,8-TCDF	316/318	26:39	0.79	0.65-0.89	84.1	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:28	1.60	1.32-1.78	88.5	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:46	1.61	1.32-1.78	89.1	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:08	0.53	0.43-0.59	85.4	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:20	0.53	0.43-0.59	89.8	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:44	0.52	0.43-0.59	90.9	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:17	0.51	0.43-0.59	88.5	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:14	0.44	0.37-0.51	84.4	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:02	0.43	0.37-0.51	79.7	26-138
13C-OCDF	454/456	50:00	0.89	0.76-1.02	72.8	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:24	NA	NA	92.0	35-197

Column to be used to flag values outside (QC) limits.

ANALYST: BN DATE: 1/30/07

1DFB - FORM I-HR CDD-2
CDD/CDF TOXICITY EQUIVALENCE SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-MB

SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 3

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: NA

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	CONCENTRATION	TEF*		TEF-ADJUSTED CONCENTRATION
2,3,7,8-TCDD	*	x 1.0	=	*
2,3,7,8-TCDF	*	x 0.1	=	*
1,2,3,7,8-PeCDF	*	x 0.05	=	*
1,2,3,7,8-PeCDD	*	x 0.5	=	*
2,3,4,7,8-PeCDF	*	x 0.5	=	*
1,2,3,4,7,8-HxCDF	*	x 0.1	=	*
1,2,3,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,4,7,8-HxCDD	*	x 0.1	=	*
1,2,3,6,7,8-HxCDD	*	x 0.1	=	*
1,2,3,7,8,9-HxCDD	*	x 0.1	=	*
2,3,4,6,7,8-HxCDF	*	x 0.1	=	*
1,2,3,7,8,9-HxCDF	*	x 0.1	=	*
1,2,3,4,6,7,8-HpCDF	*	x 0.01	=	*
1,2,3,4,6,7,8-HpCDD	*	x 0.01	=	*
1,2,3,4,7,8,9-HpCDF	*	x 0.01	=	*
OCDD	*	x 0.001	=	*
OCDF	*	x 0.001	=	*
		Total	=	0.00

* TEF - Toxicity Equivalent Factors from EPA/625/3-89/016 March 1989 - Interim Procedures for Estimating Risks Associated with Exposures to Mixtures of Chlorinated Dibenzo-p-Dioxins and Chlorinated Dibenzofurans (CDDs and CDFs) and 1989 Update

ANALYST: DNJ DATE: 1/30/07

2DF - FORM II-HR CDD
CDD/CDF TOTAL HOMOLOGUE CONCENTRATION SUMMARY
HIGH RESOLUTION

SAMPLE No.
Method Blank

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:

LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA

MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-MB

SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 3

WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: NA

CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07

INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07

GC COLUMN: db5 ID: 0.25 (mm) DILUTION FACTOR: NA

CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

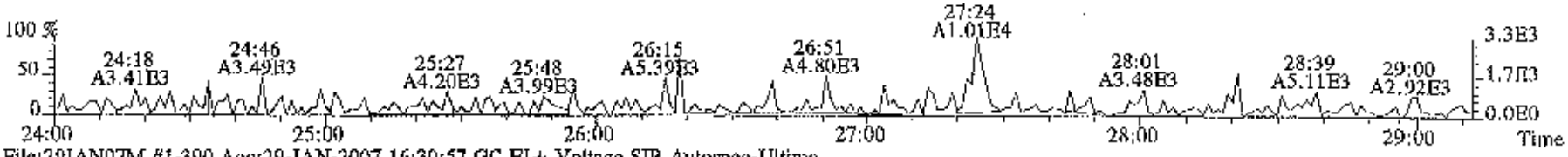
HOMOLOGUE	PEAKS	CONCENTRATION	Q	EMPC/EDL
DIOXINS				
Total TCDD	0	*	U	0.931
Total PeCDD	0	*	U	1.25
Total HxCDD	0	*	U	3.23
Total HpCDD	0	*	U	1.87
FURANS				
Total TCDF	0	*	U	0.859
Total PeCDF	0	*	U	2.56
Total HxCDF	0	*	U	1.40
Total HpCDF	0	*	U	1.52

NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Limits (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids). The total homologue concentrations do not affect the TEF (Toxicity Equivalent Factor) calculations.

ANALYST: DN DATE: 1/30/07

File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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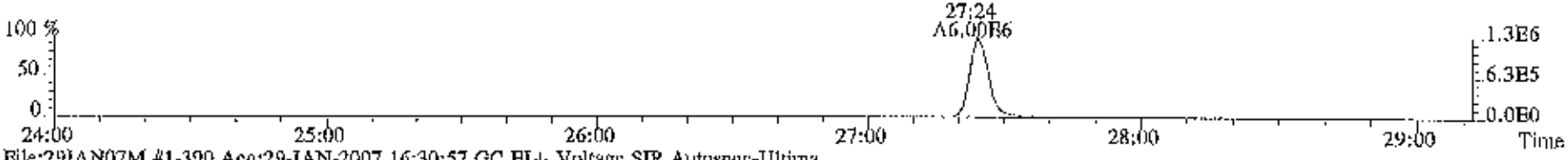
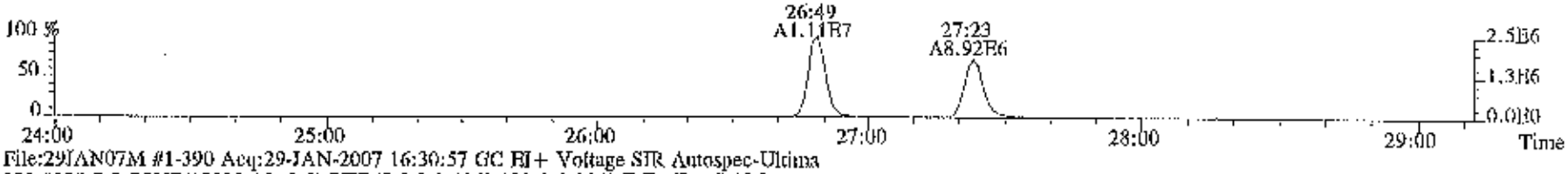
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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333.9339 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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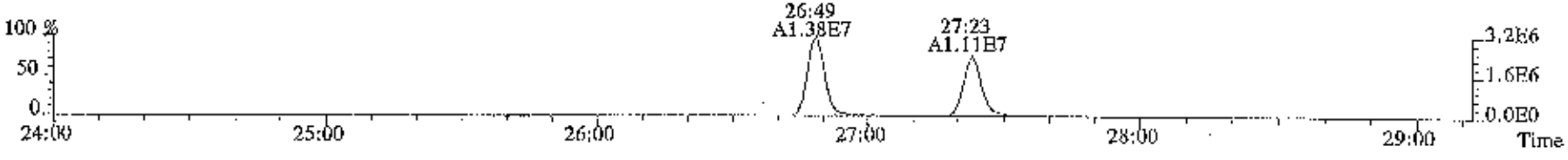
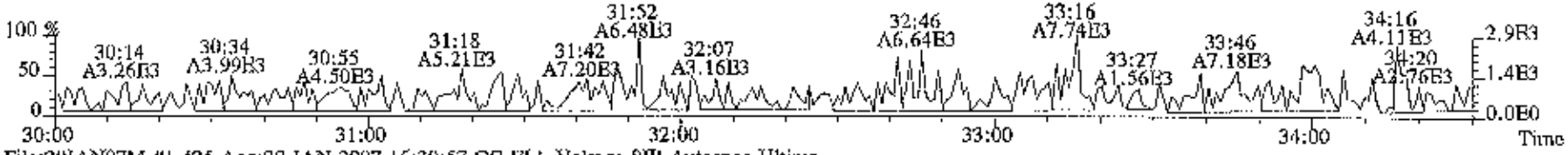


File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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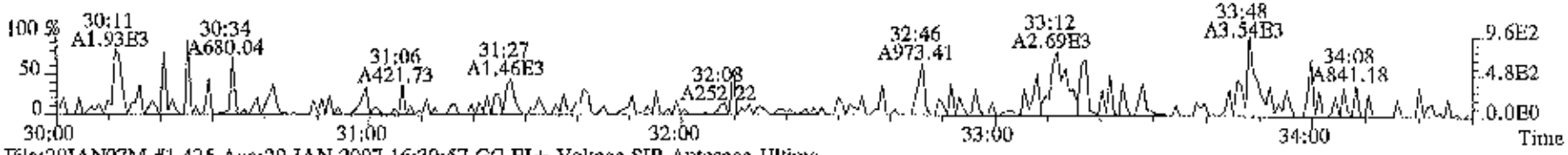
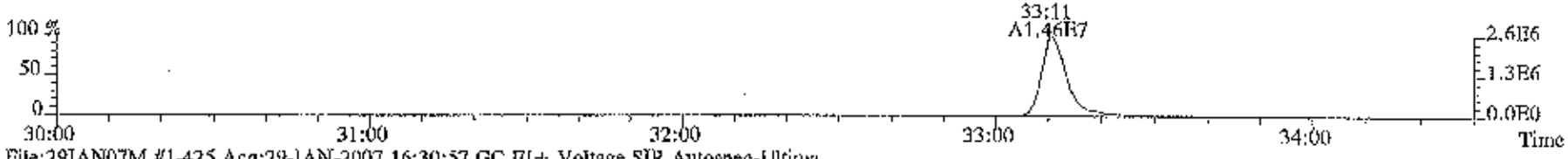
357.8517 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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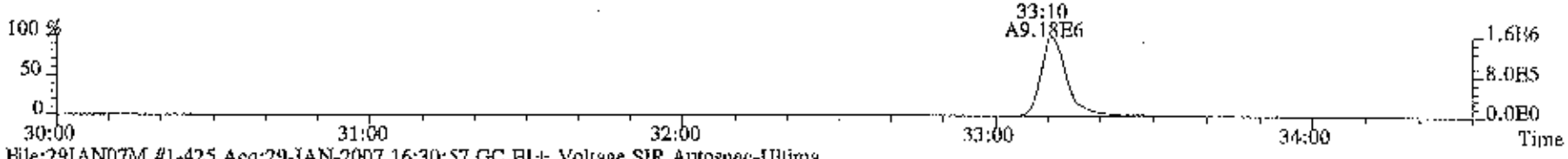
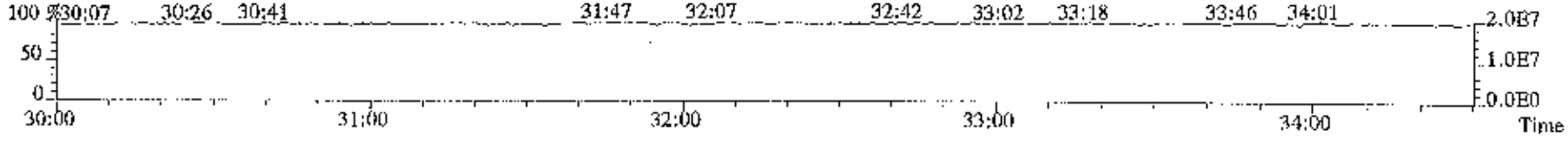
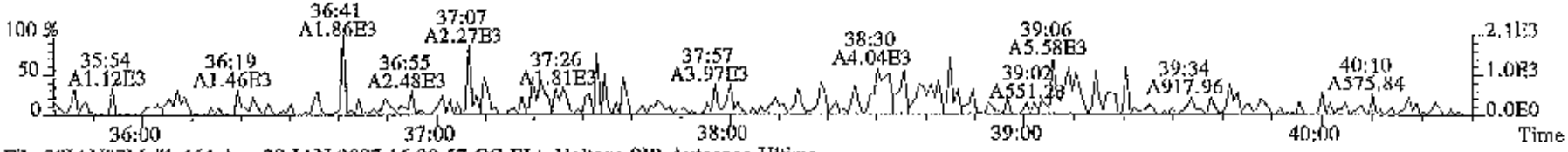
369.8919 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



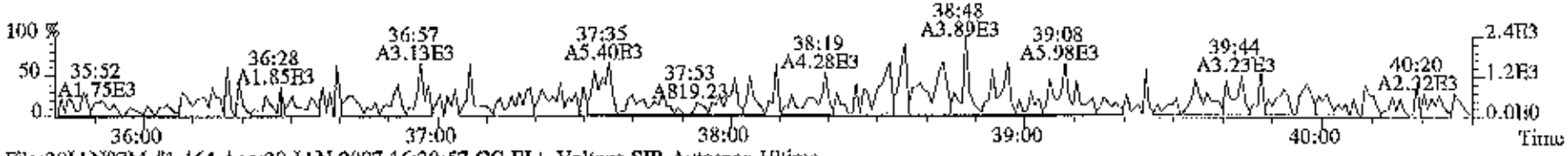
File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



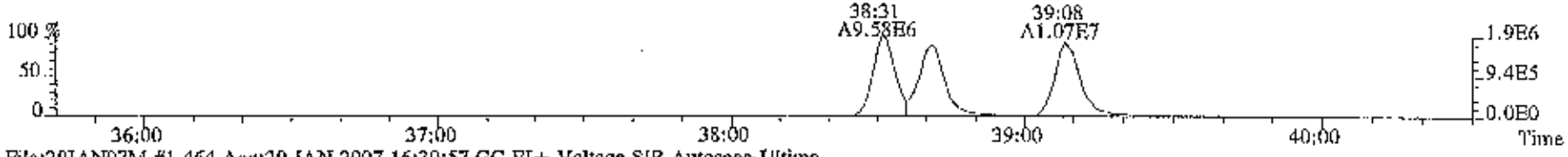
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



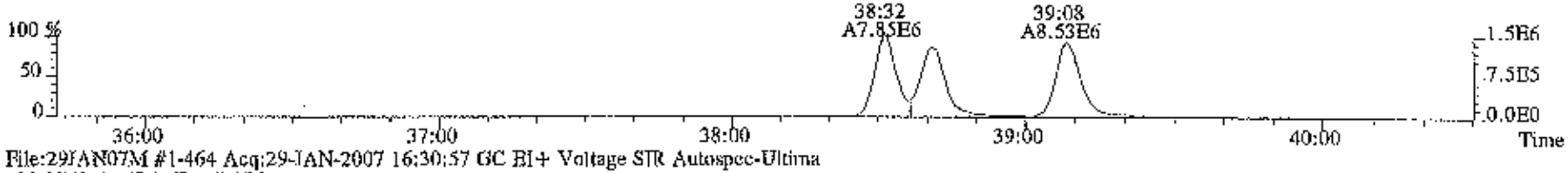
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



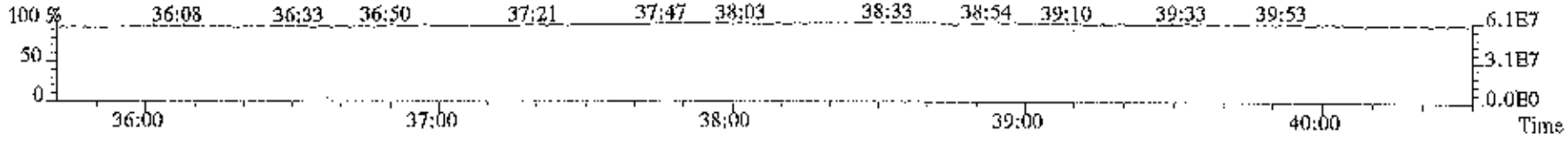
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



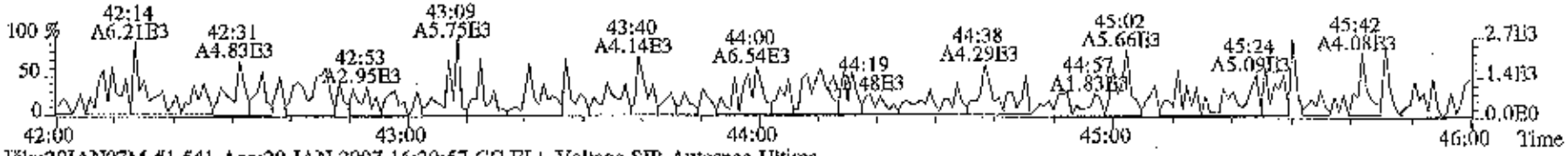
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:3 F:3 Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

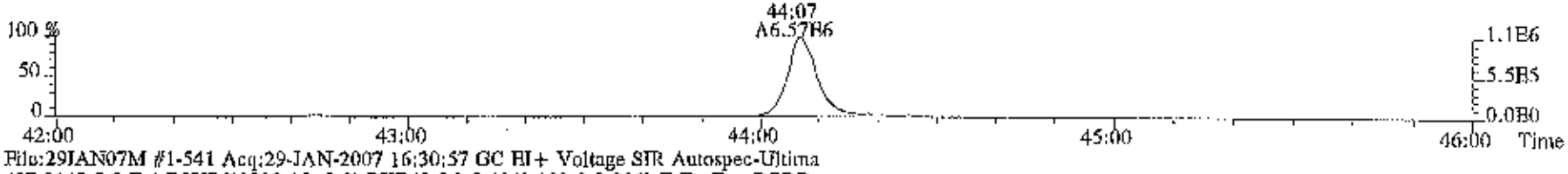


File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

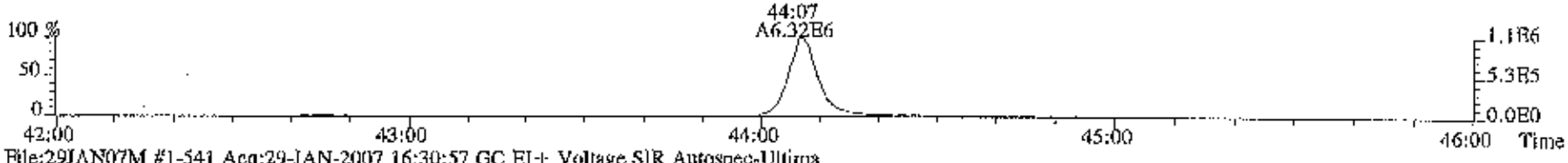


File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

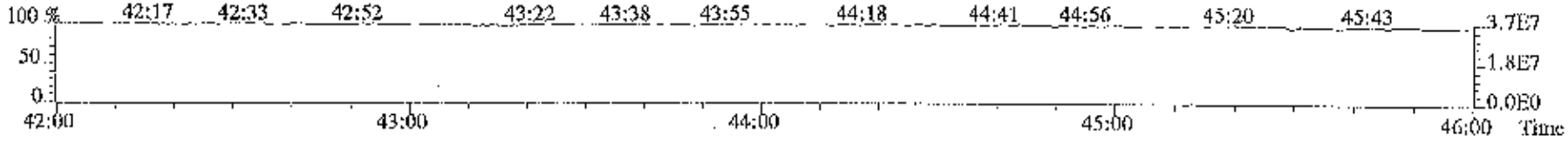
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

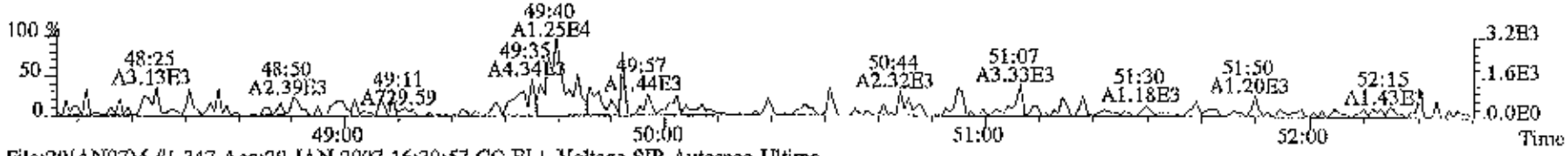


File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:3 F:4 Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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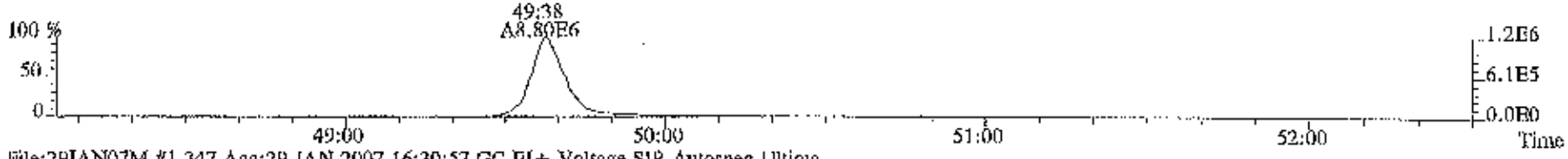
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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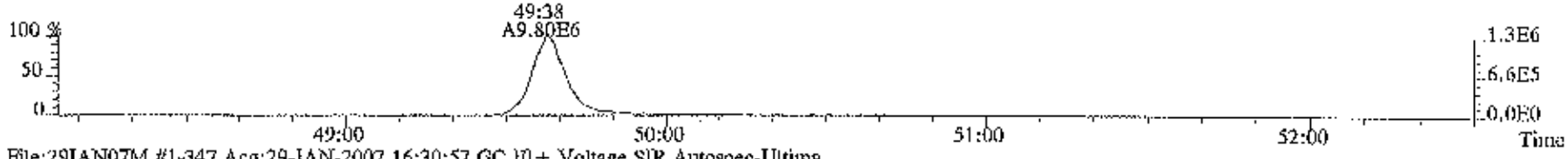
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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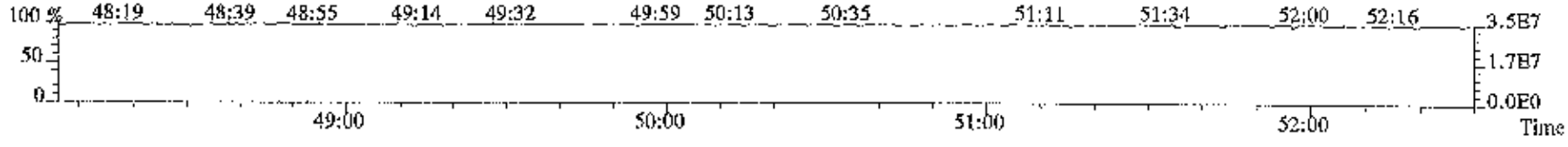
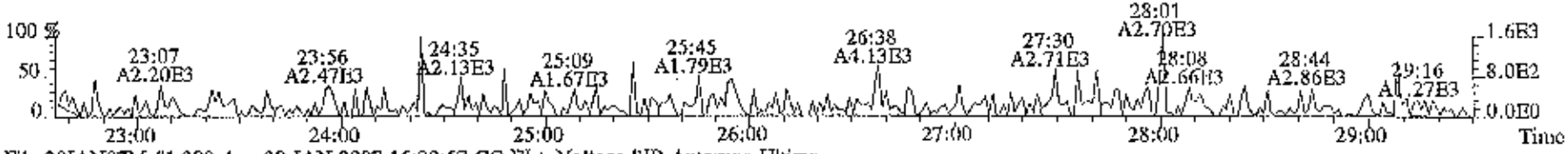
454.9728 S:3 F:5 Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

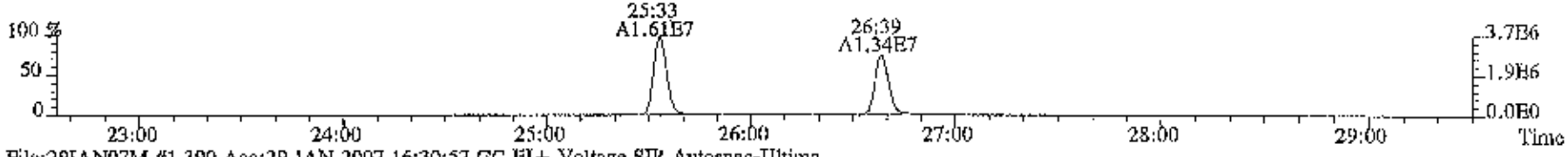


File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

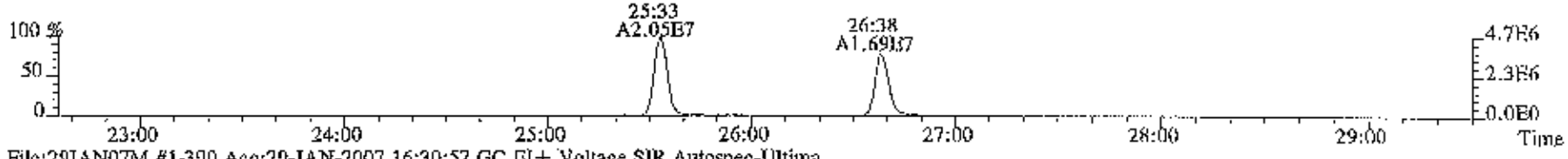


File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

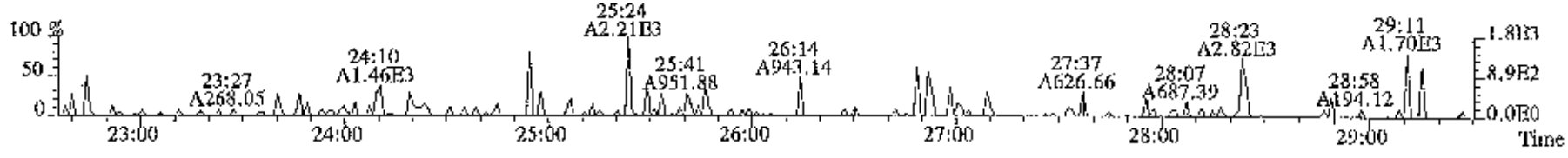
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



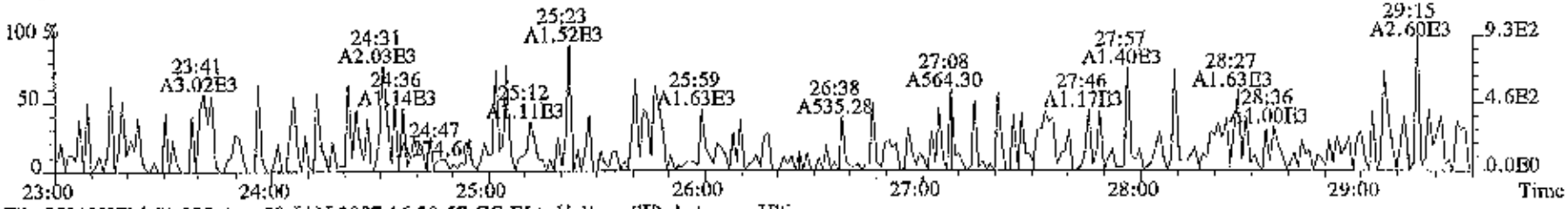
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



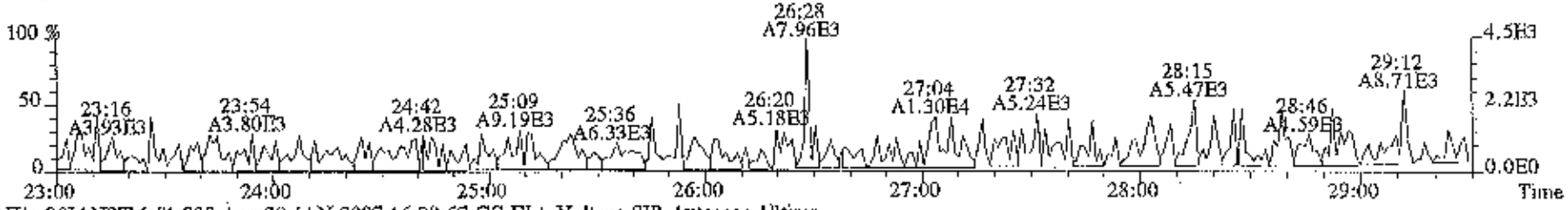
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



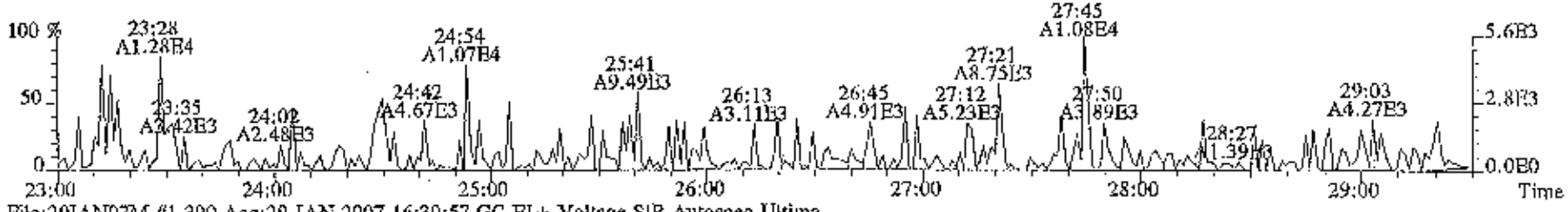
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



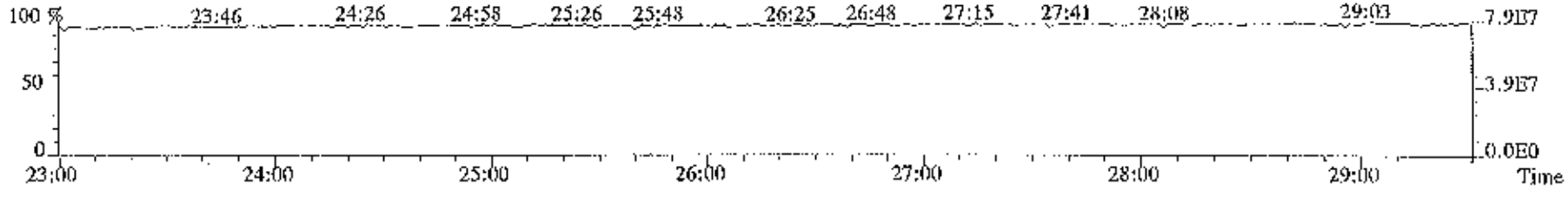
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



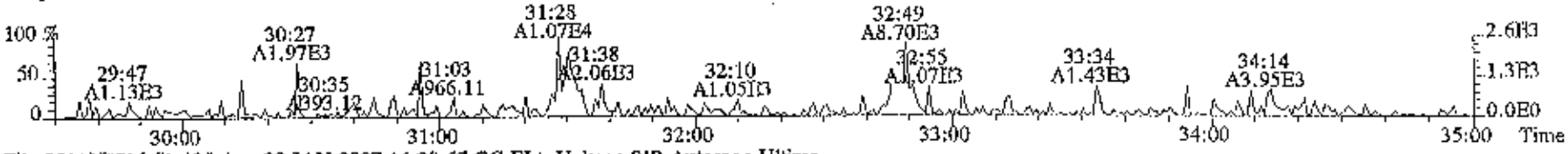
File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:3 Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

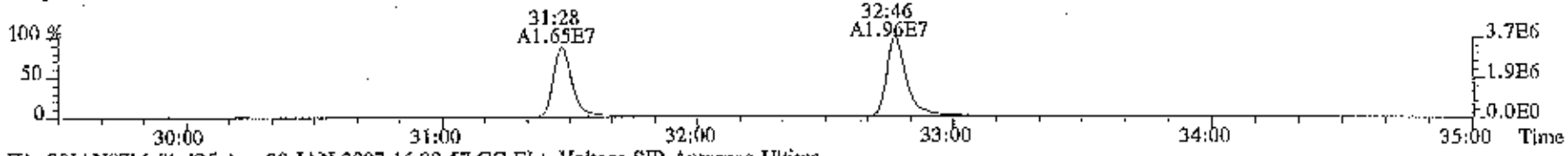


File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

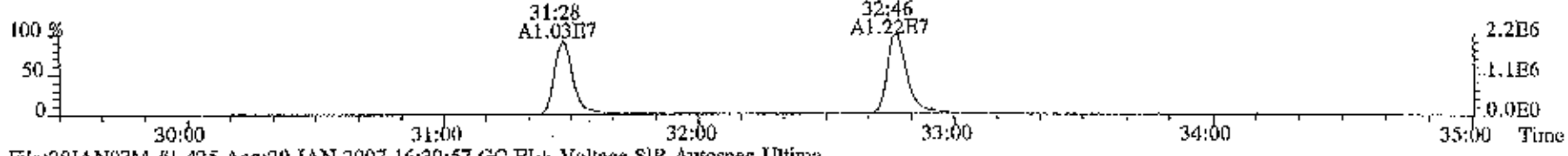


File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV

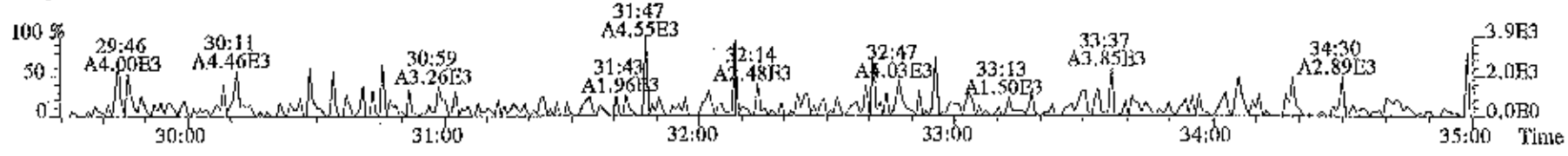
File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



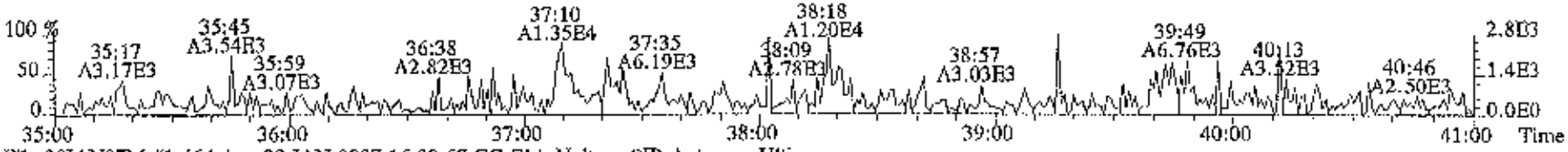
File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



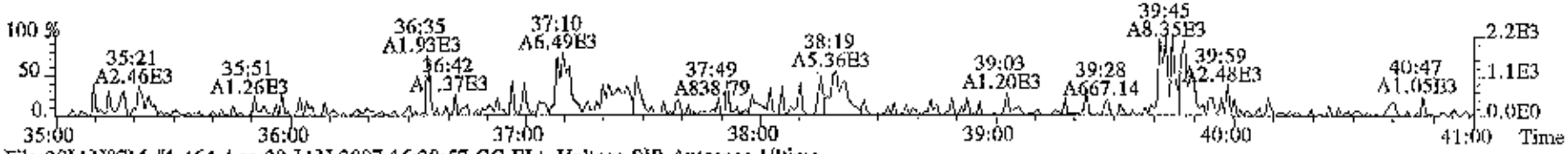
File:29JAN07M #1-425 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



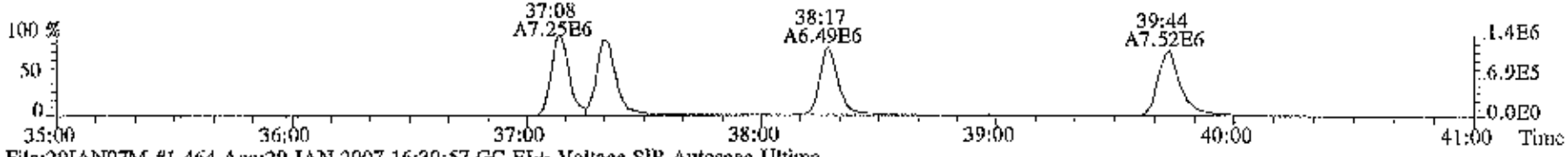
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



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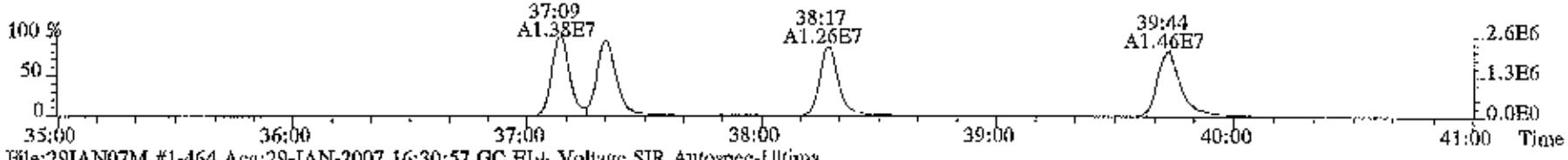
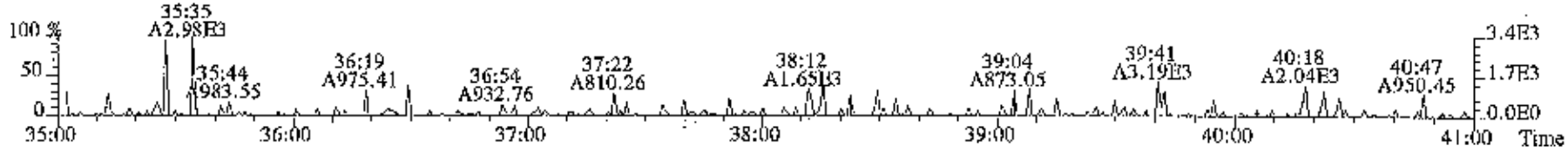
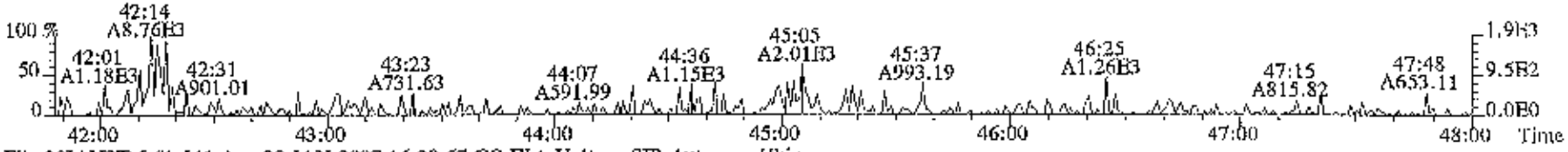
385.8610 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



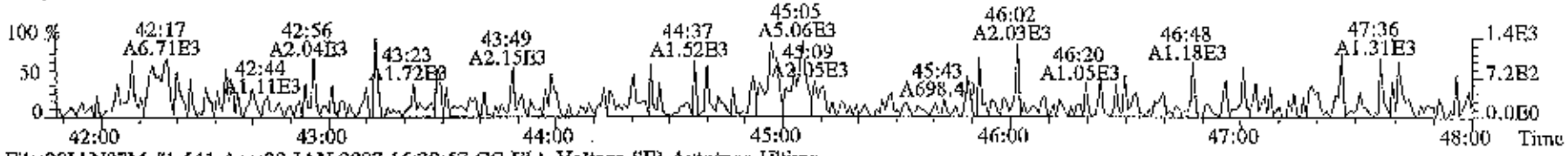
File:29JAN07M #1-464 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



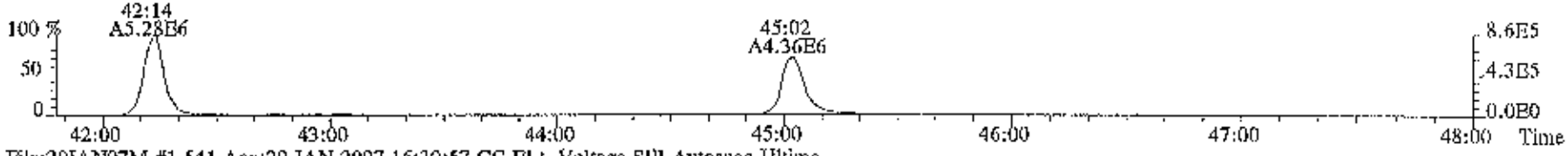
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



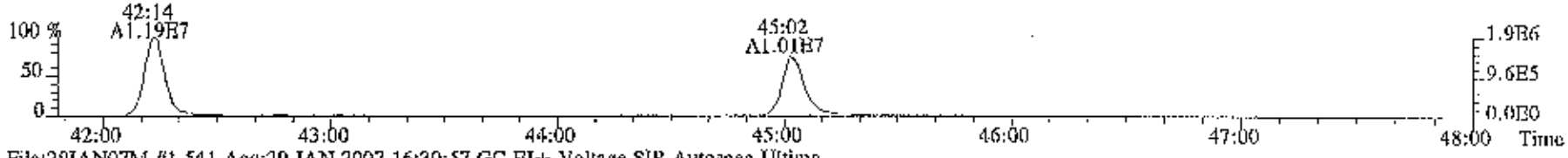
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



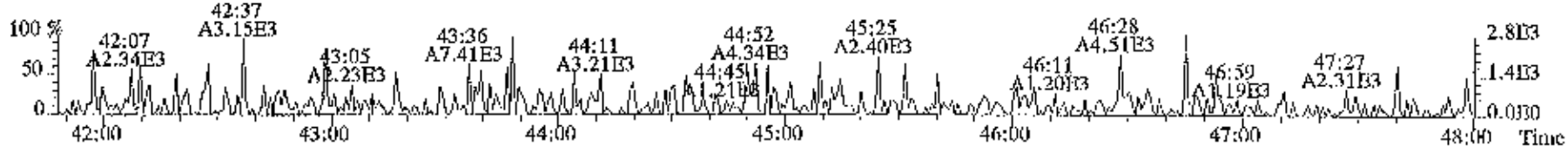
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



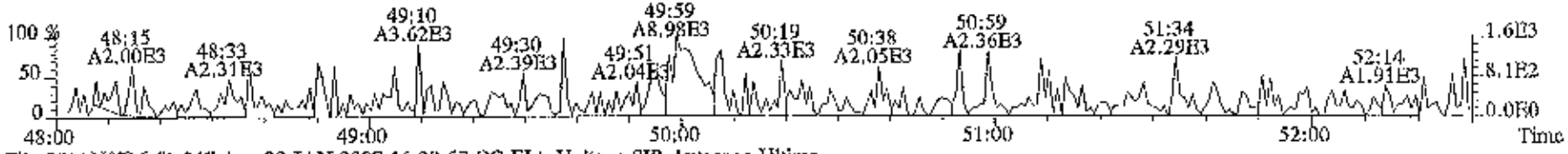
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



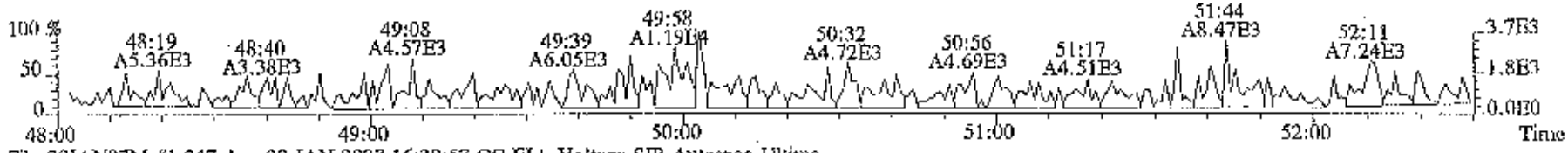
File:29JAN07M #1-541 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



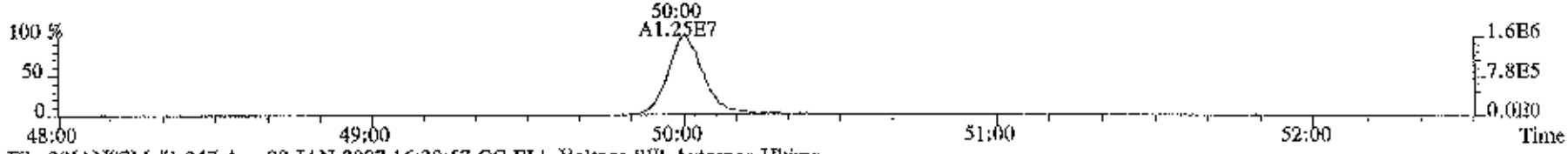
File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



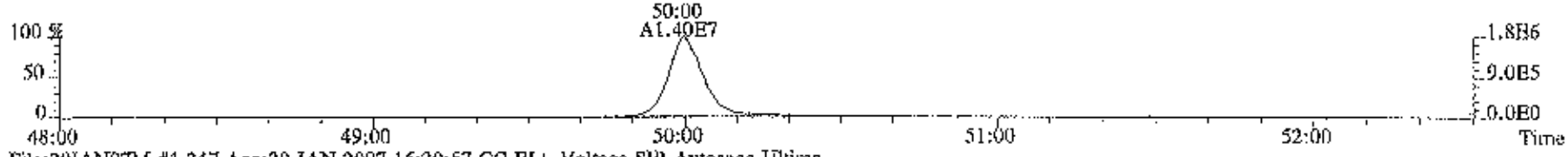
File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



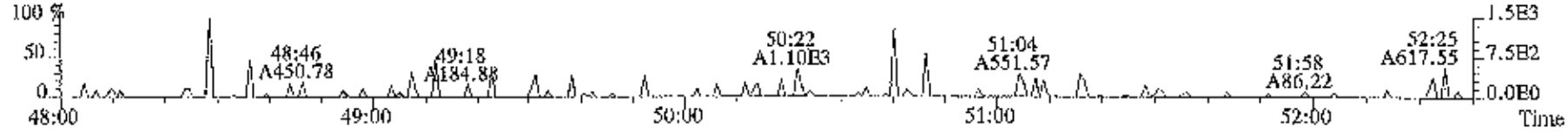
File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 16:30:57 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:1063-001-0001-MB File Text:Frontier Analytical Laboratory Analyst ID:DV



FAL ID: 1063-001-0001-MB Filename: 29JAN07K Sam:3 Acquired: 29-JAN-07 16:30:57 ICal: PCDDFAL3-10-24-06
Client ID: Method Blank ConCal: STD12907M1 EndCal: STD12907M2
Results: 4287 GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 0.00
WHO 1998 Tox: 0.00

Name	Resp	RA		RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	*	*	n	NotFnd	1.19	*		2.50	545	0.931	
1,2,3,7,8-PeCDD	*	*	n	NotFnd	0.69	*		2.50	279	1.25	
1,2,3,4,7,8-HxCDD	*	*	n	NotFnd	0.94	*		2.50	620	2.18	
1,2,3,6,7,8-HxCDD	*	*	n	NotFnd	0.81	*		2.50	620	2.95	
1,2,3,7,8,9-HxCDD	*	*	n	NotFnd	0.74	*		2.50	620	3.23	
1,2,3,4,6,7,8-HpCDD	*	*	n	NotFnd	0.89	*		2.50	355	1.87	
OCDD	*	*	n	NotFnd	1.03	*		2.50	487	3.60	
2,3,7,8-TCDF	*	*	n	NotFnd	0.97	*		2.50	597	0.859	
1,2,3,7,8-PeCDF	*	*	n	NotFnd	0.82	*		2.50	839	2.52	
2,3,4,7,8-PeCDF	*	*	n	NotFnd	0.78	*		2.50	839	2.43	
1,2,3,4,7,8-HxCDF	*	*	n	NotFnd	0.90	*		2.50	530	1.12	
1,2,3,6,7,8-HxCDF	*	*	n	NotFnd	1.02	*		2.50	530	1.05	
2,3,4,6,7,8-HxCDF	*	*	n	NotFnd	0.97	*		2.50	530	1.22	
1,2,3,7,8,9-HxCDF	*	*	n	NotFnd	0.89	*		2.50	530	1.40	
1,2,3,4,6,7,8-HpCDF	*	*	n	NotFnd	0.99	*		2.50	429	1.12	
1,2,3,4,7,8,9-HpCDF	*	*	n	NotFnd	0.98	*		2.50	429	1.32	
OCDF	*	*	n	NotFnd	0.84	*		2.50	518	3.43	

							Rec
13C-2,3,7,8-TCDD	2.00e+07	0.80	y	27:23	0.95	1690	84.5
13C-1,2,3,7,8-PeCDD	2.37e+07	1.59	y	33:11	1.06	1800	89.8
13C-1,2,3,4,7,8-HxCDD	1.74e+07	1.22	y	38:31	1.05	1720	86.1
13C-1,2,3,6,7,8-HxCDD	1.81e+07	1.30	y	38:41	1.00	1890	94.4
13C-1,2,3,4,6,7,8-HpCDD	1.29e+07	1.04	y	44:07	0.82	1630	81.6
13C-OCDD	1.86e+07	0.90	y	49:38	0.68	2850	71.3
13C-2,3,7,8-TCDF	3.03e+07	0.79	y	26:39	0.98	1680	84.1
13C-1,2,3,7,8-PeCDF	2.69e+07	1.60	y	31:28	0.83	1770	88.5
13C-2,3,4,7,8-PeCDF	3.18e+07	1.61	y	32:46	0.97	1780	89.1
13C-1,2,3,4,7,8-HxCDF	2.10e+07	0.53	y	37:08	1.28	1710	85.4
13C-1,2,3,6,7,8-HxCDF	2.22e+07	0.53	y	37:20	1.29	1800	89.8
13C-2,3,4,6,7,8-HxCDF	1.91e+07	0.51	y	38:17	1.12	1770	88.5
13C-1,2,3,7,8,9-HxCDF	2.21e+07	0.52	y	39:44	1.27	1820	90.9
13C-1,2,3,4,6,7,8-HpCDF	1.72e+07	0.44	y	42:14	1.06	1690	84.4
13C-1,2,3,4,7,8,9-HpCDF	1.45e+07	0.43	y	45:02	0.94	1590	79.7
13C-OCDF	2.65e+07	0.89	y	49:60	0.95	2910	72.8
37Cl-2,3,7,8-TCDD	6.00e+06			27:24	0.65	736	92.0
13C-1,2,3,4-TCDD	2.50e+07	0.80	y	26:49	-	12.3	
13C-1,2,3,4-TCDF	3.66e+07	0.79	y	25:33	-	11.9	
13C-1,2,3,7,8,9-HxCDD	1.92e+07	1.25	y	39:08	-	12.5	

				Fac	Noise	DL	#Hom	
Total Tetra-Dioxins	*	NotFnd	1.19	*	2.50	545	0.931	0	
Total Penta-Dioxins	*	NotFnd	0.69	*	2.50	279	1.25	0	
Total Hexa-Dioxins	*	NotFnd	0.83	*	2.50	620	3.23	0	
Total Hepta-Dioxins	*	NotFnd	0.89	*	2.50	355	1.87	0	
Total Tetra-Furans	*	NotFnd	0.97	*	2.50	597	0.859	0	
1st Fn. Tot Penta-Furans	*	NotFnd	0.80	*	2.50	839	2.56	0	PeCDF
Total Penta-Furans	*	NotFnd	0.80	*	2.50	839	2.56	0	0.00
Total Hexa-Furans	*	NotFnd	0.95	*	2.50	530	1.40	0	
Total Hepta-Furans	*	NotFnd	0.99	*	2.50	429	1.52	0	

Analyst: DNJ Date: 1/30/07

1DFA - FORM 1-HR CDD-1 SAMPLE No.
CDD/CDF SAMPLE DATA SUMMARY OPR
HIGH RESOLUTION

LAB NAME: FRONTIER ANALYTICAL LAB CONTRACT:
LAB CODE: FALE CASE NO.: TO NO.: SDG NO.: NA
MATRIX: (SOIL/WATER/ASH/TISSUE/OIL) WATER LAB SAMPLE ID: 1063-001-0001-OPR
SAMPLE wt/vol: 1000 (g/mL): mL LAB FILE ID: 29JAN07M Sam: 2
WATER SAMPLE PREP: SPE (SEPF/SPE) DATE RECEIVED: NA
CONCENTRATED EXTRACT VOLUME: 20 (uL) DATE EXTRACTED: 26-JAN-07
INJECTION VOLUME: 2 (uL) % SOLIDS/LIPIDS: 0 DATE ANALYZED: 29-JAN-07
GC COLUMN: DB5 ID: 0.25 (mm) DILUTION FACTOR: NA
CONCENTRATION UNITS: (pg/L or ng/kg) pg/L

TARGET ANALYTE	SELECTED IONS	PEAK RT	ION RATIO #	CONCENTRATION	Q	EMPC/EDL
2,3,7,8-TCDD	320/322	27:25	0.78	9.96		*
2,3,7,8-TCDF	304/306	26:40	0.77	9.76		*
1,2,3,7,8-PeCDF	340/342	31:30	1.58	55.9		*
1,2,3,7,8-PeCDD	356/358	33:13	1.60	49.6		*
2,3,4,7,8-PeCDF	340/342	32:49	1.54	56.1		*
1,2,3,4,7,8-HxCDF	374/376	37:11	1.24	52.2		*
1,2,3,6,7,8-HxCDF	374/376	37:22	1.28	53.1		*
1,2,3,4,7,8-HxCDD	390/392	38:33	1.28	52.5		*
1,2,3,6,7,8-HxCDD	390/392	38:43	1.30	54.4		*
1,2,3,7,8,9-HxCDD	390/392	39:10	1.23	52.5		*
2,3,4,6,7,8-HxCDF	374/376	38:20	1.28	53.7		*
1,2,3,7,8,9-HxCDF	374/376	39:46	1.24	53.1		*
1,2,3,4,6,7,8-HpCDF	408/410	42:15	1.02	51.9		*
1,2,3,4,6,7,8-HpCDD	424/426	44:09	1.06	51.8		*
1,2,3,4,7,8,9-HpCDF	408/410	45:04	1.02	51.7		*
OCDD	458/460	49:40	0.89	107		*
OCDF	442/444	50:02	0.89	108		*

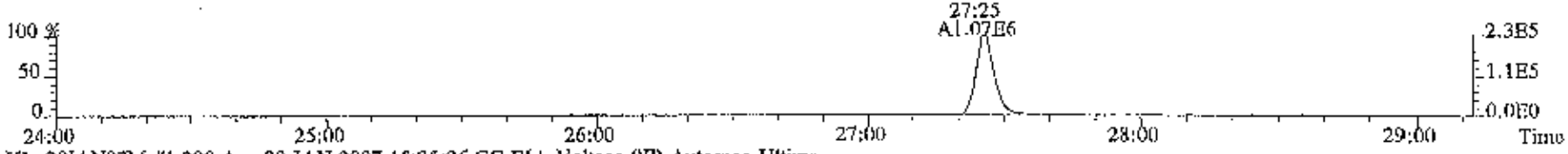
NOTE: Concentrations, Estimated Maximum Possible Concentrations (EMPCs), and Estimated Detection Levels (EDLs) for solid samples are calculated on a dry weight basis (except tissues, which are reported on a wet weight basis with % Lipids).

LABELED COMPOUNDS	SELECTED IONS	PEAK RT	ION RATIO #	ION RATIO LIMITS	% REC #	RECOVERY LIMITS
13C-2,3,7,8-TCDD	332/334	27:24	0.79	0.65-0.89	84.5	25-164
13C-1,2,3,7,8-PeCDD	368/370	33:12	1.60	1.32-1.78	86.6	25-181
13C-1,2,3,4,7,8-HxCDD	402/404	38:32	1.27	1.05-1.43	78.7	32-141
13C-1,2,3,6,7,8-HxCDD	402/404	38:42	1.22	1.05-1.43	82.0	28-130
13C-1,2,3,4,6,7,8-HpCDD	436/438	44:07	1.06	0.88-1.20	74.2	23-140
13C-OCDD	470/472	49:38	0.91	0.76-1.02	65.0	17-157
13C-2,3,7,8-TCDF	316/318	26:40	0.79	0.65-0.89	84.3	24-169
13C-1,2,3,7,8-PeCDF	352/354	31:30	1.60	1.32-1.78	82.5	24-185
13C-2,3,4,7,8-PeCDF	352/354	32:48	1.62	1.32-1.78	86.5	21-178
13C-1,2,3,4,7,8-HxCDF	384/386	37:09	0.52	0.43-0.59	76.6	26-152
13C-1,2,3,6,7,8-HxCDF	384/386	37:21	0.52	0.43-0.59	80.5	26-123
13C-1,2,3,7,8,9-HxCDF	384/386	39:44	0.52	0.43-0.59	79.4	29-147
13C-2,3,4,6,7,8-HxCDF	384/386	38:18	0.52	0.43-0.59	82.5	28-136
13C-1,2,3,4,6,7,8-HpCDF	418/420	42:14	0.44	0.37-0.51	77.5	28-143
13C-1,2,3,4,7,8,9-HpCDF	418/420	45:03	0.43	0.37-0.51	71.9	26-138
13C-OCDF	454/456	50:01	0.89	0.76-1.02	65.8	17-157
37Cl-2,3,7,8-TCDD	328/NA	27:25	NA	NA	94.7	35-197

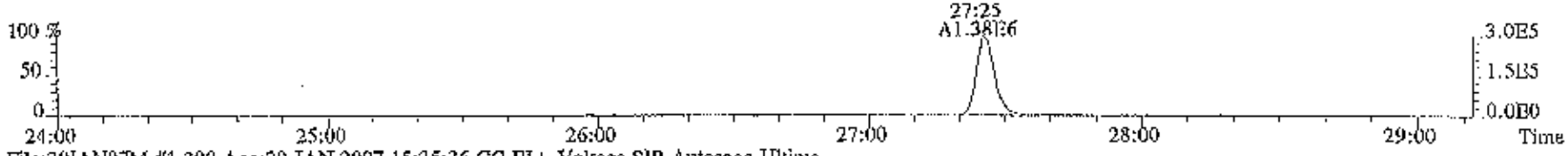
Column to be used to flag values outside (QC) limits.

ANALYST: DN DATE: 1/30/07

File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



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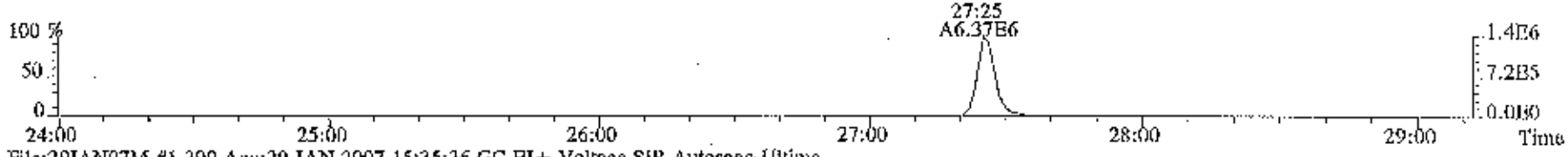
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



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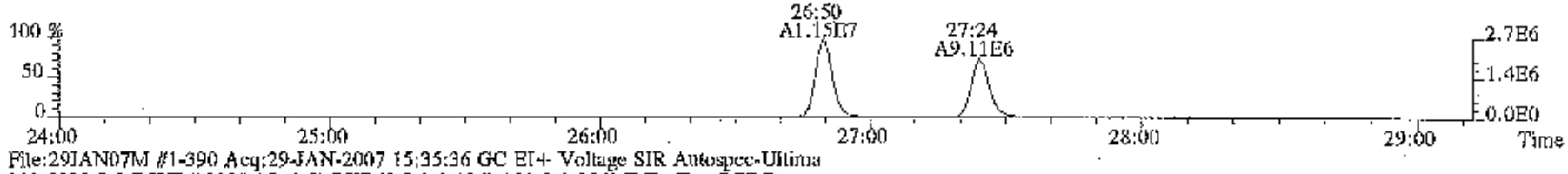
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



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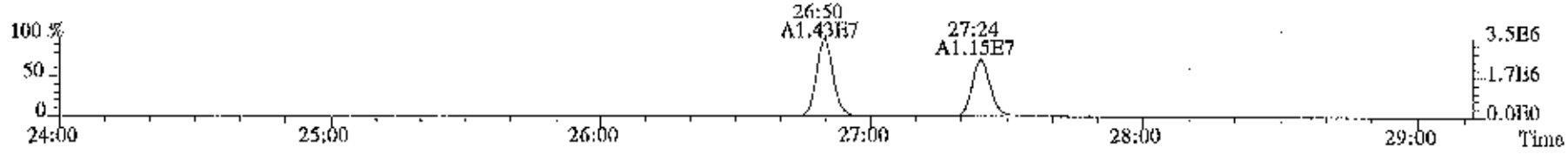
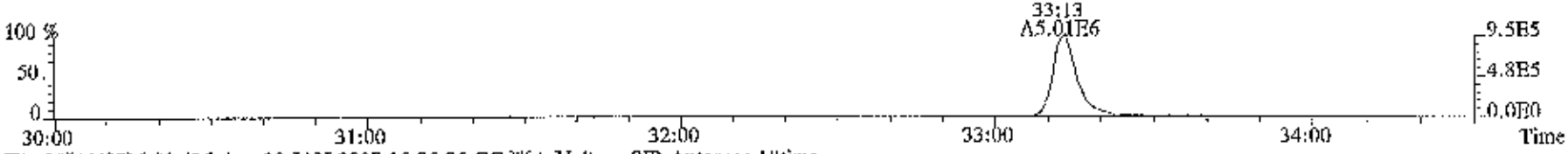
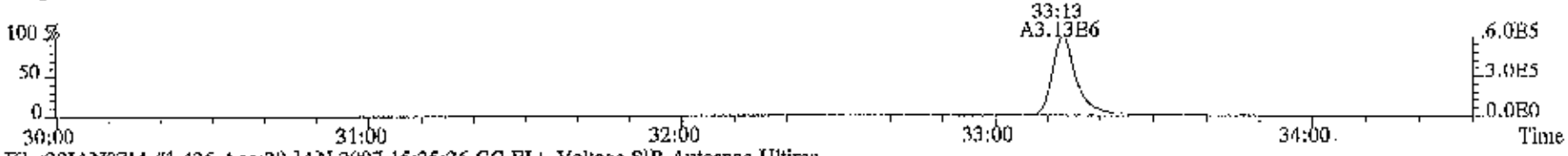
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV

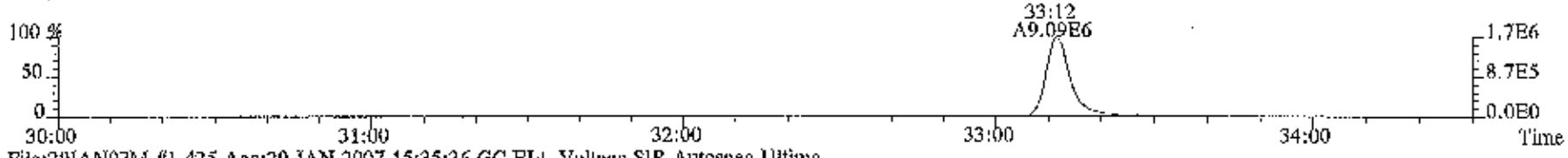


File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV

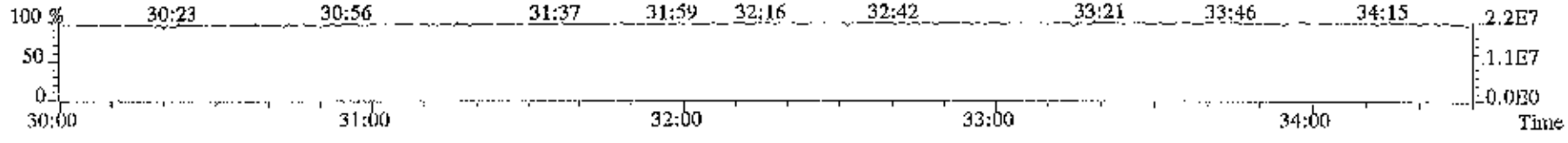


File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV

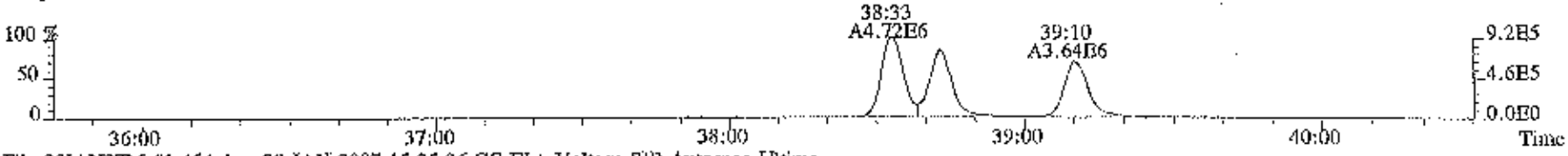
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



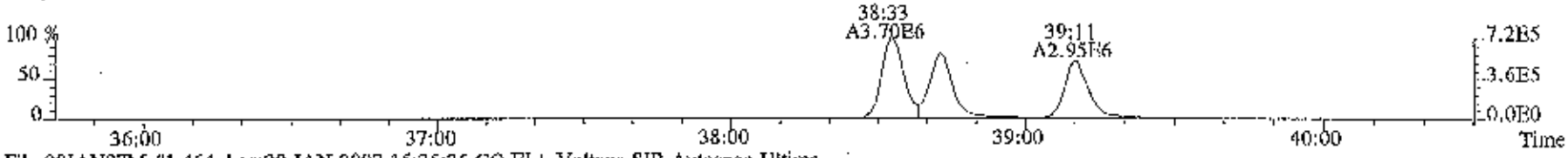
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:2 F:2 Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



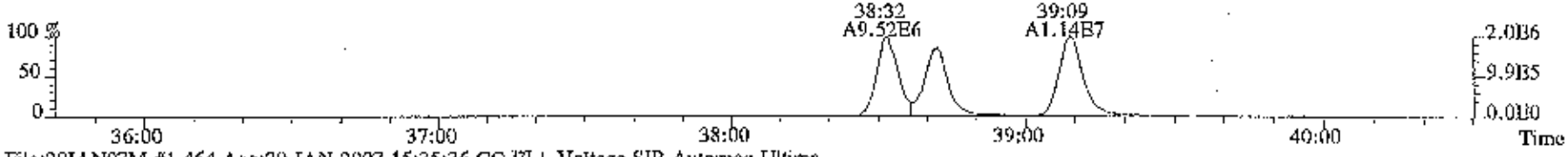
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



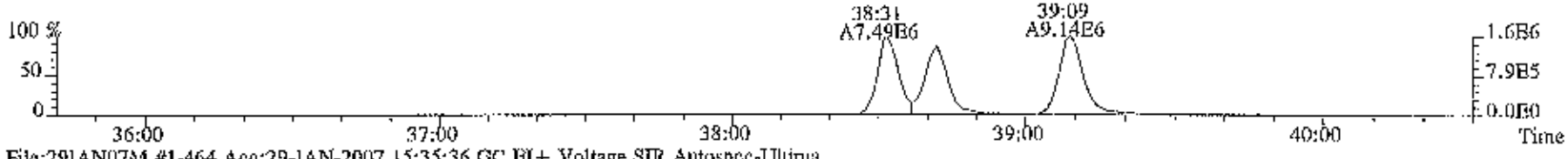
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



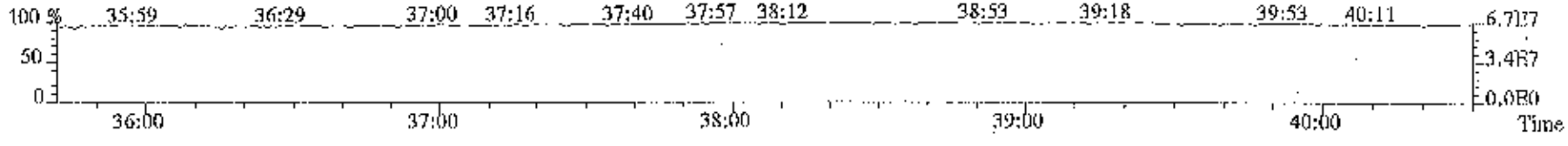
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



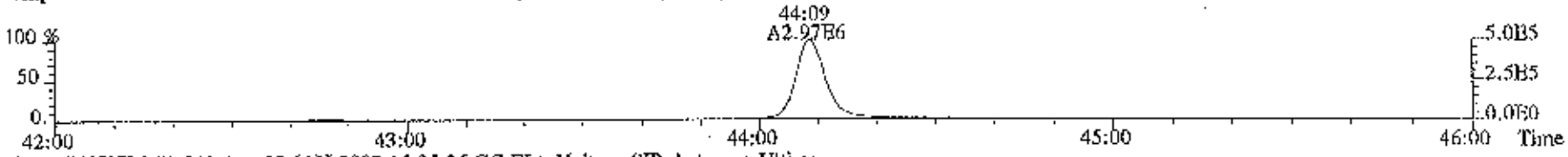
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



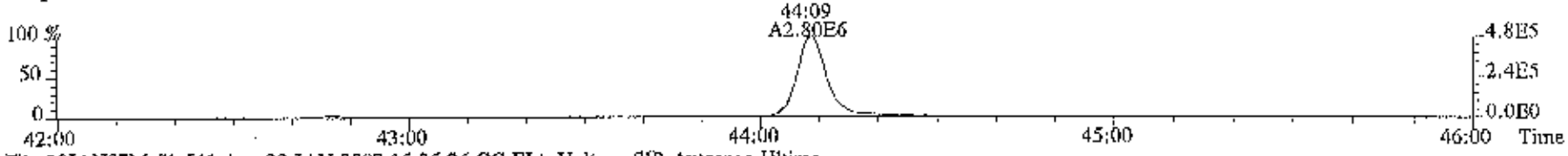
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:2 F:3 Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



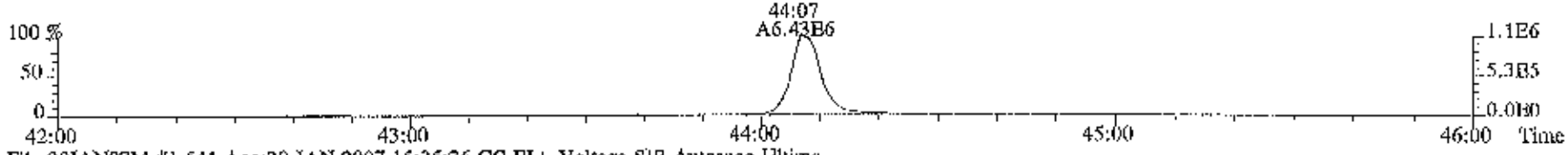
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



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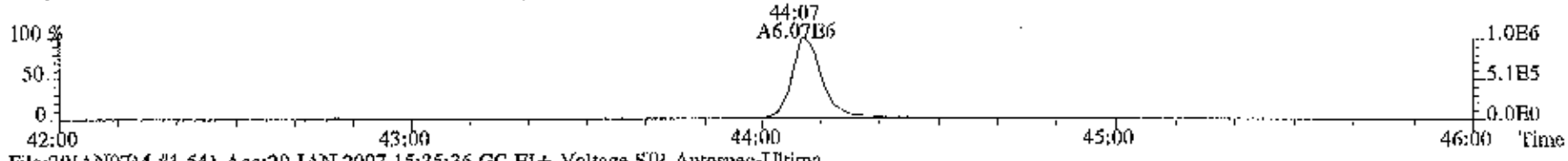
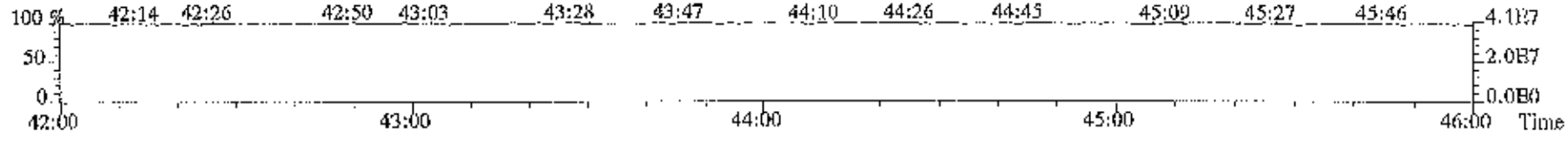
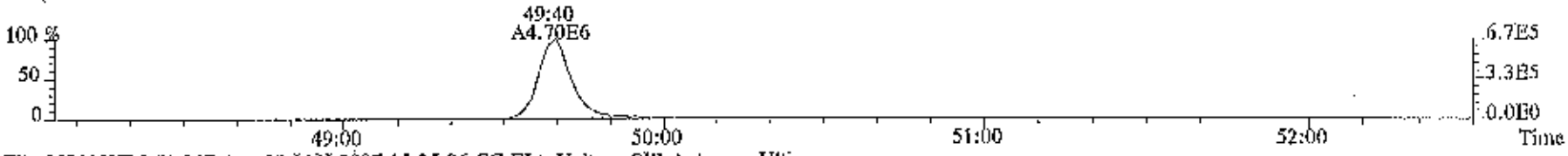
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



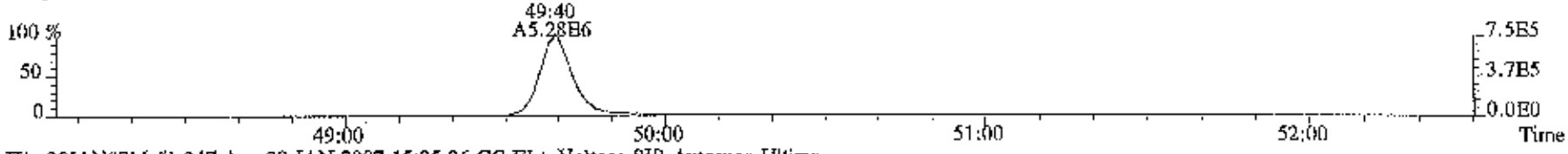
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:2 F:4 Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



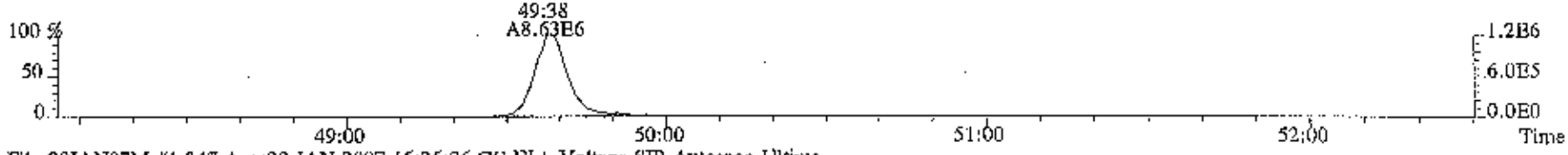
File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



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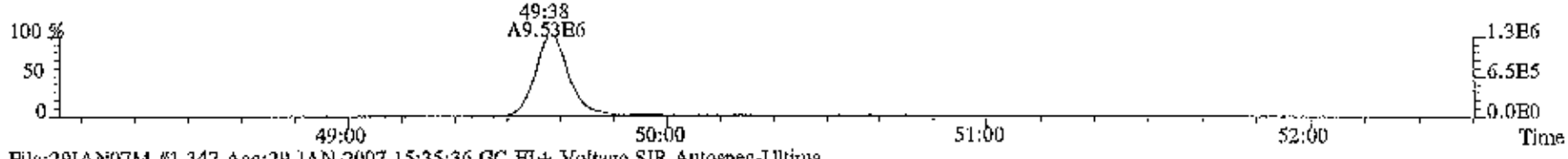
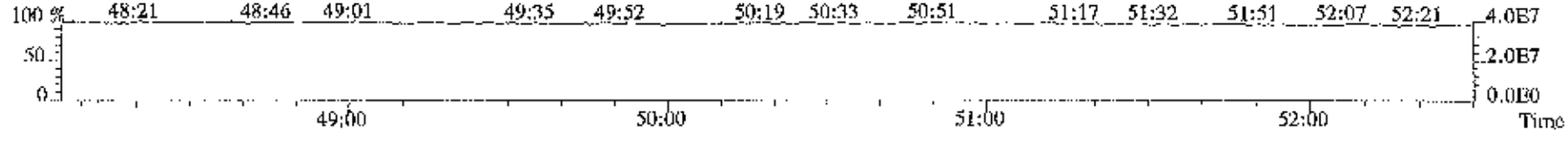
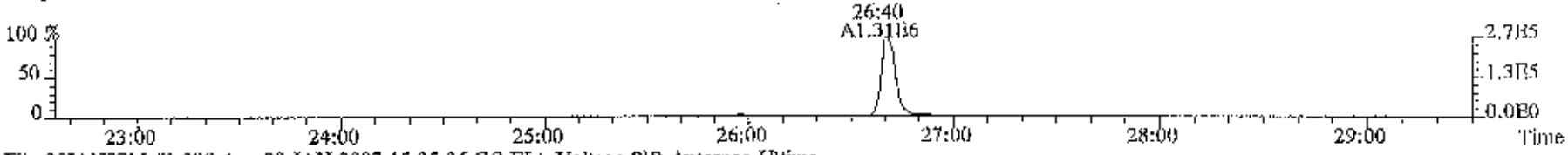
471.7750 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



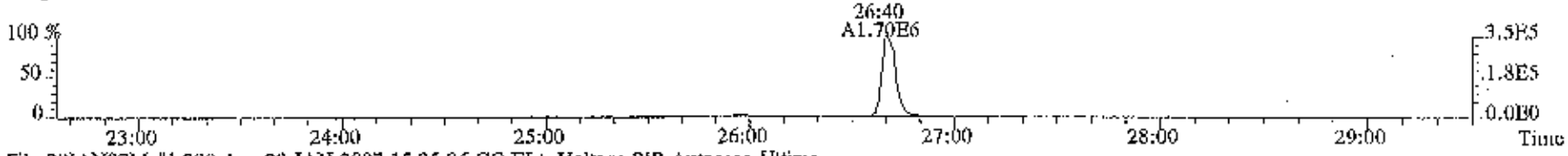
File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:2 F:5 Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



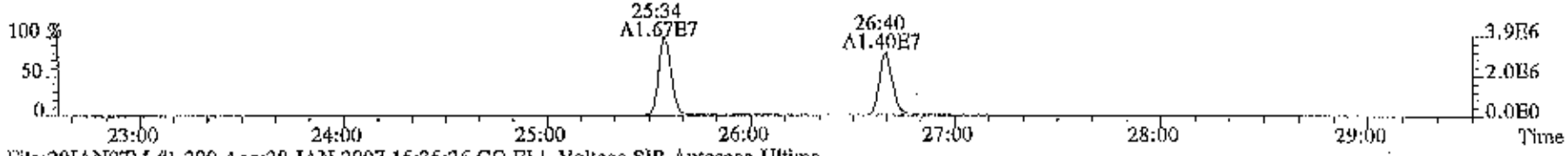
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



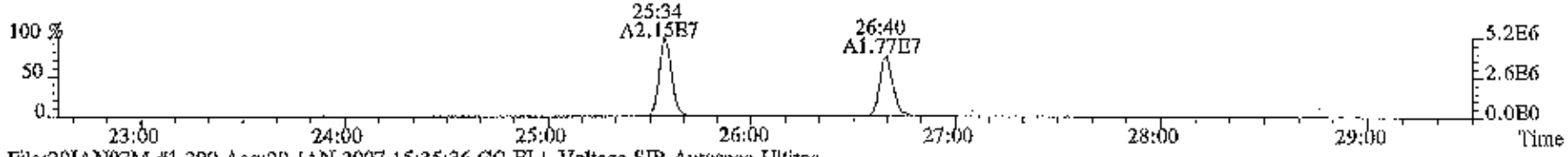
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



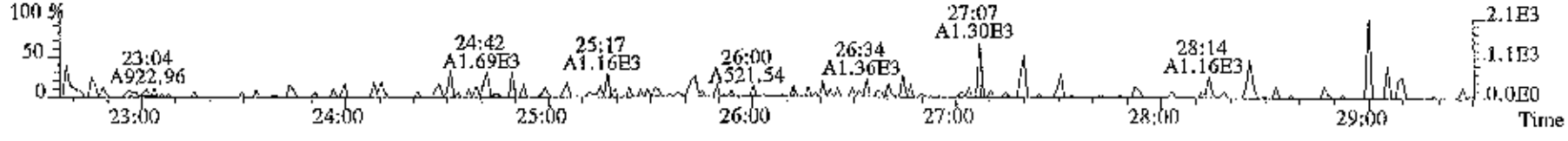
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



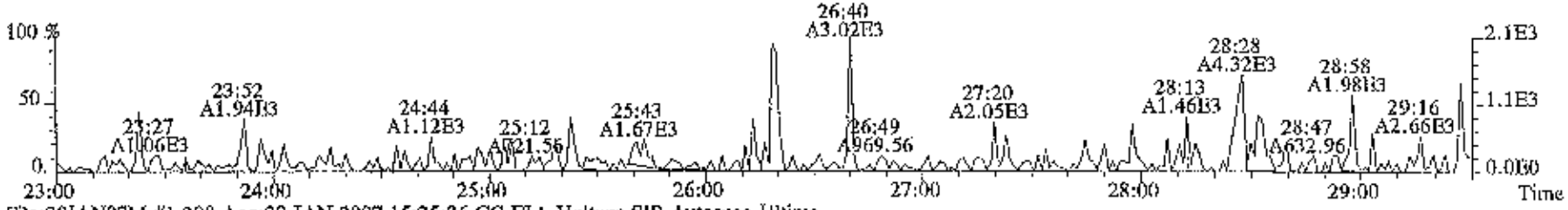
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



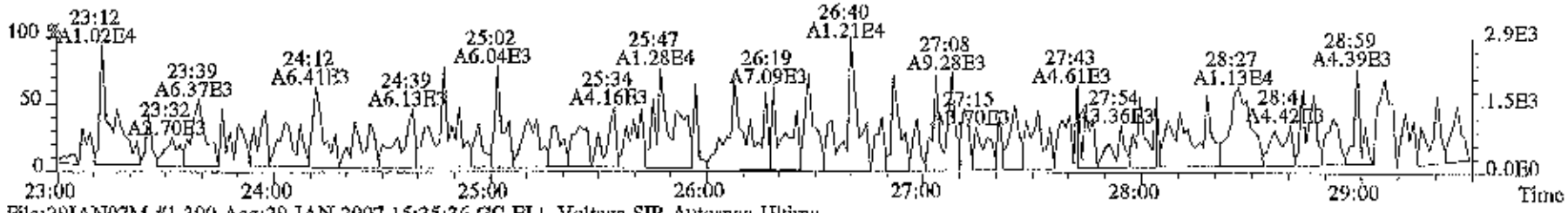
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



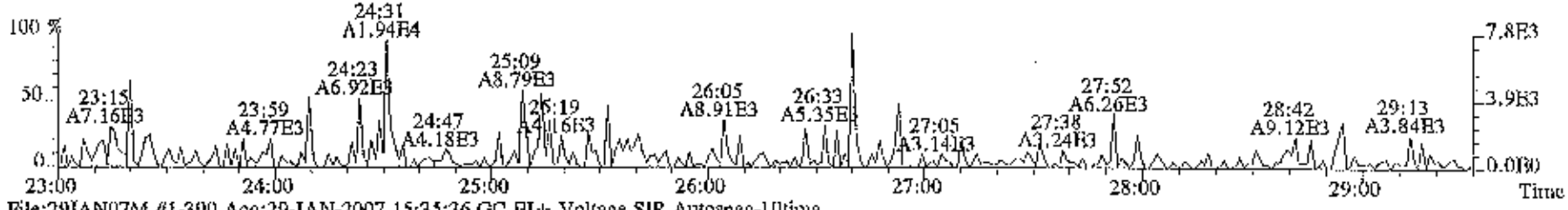
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



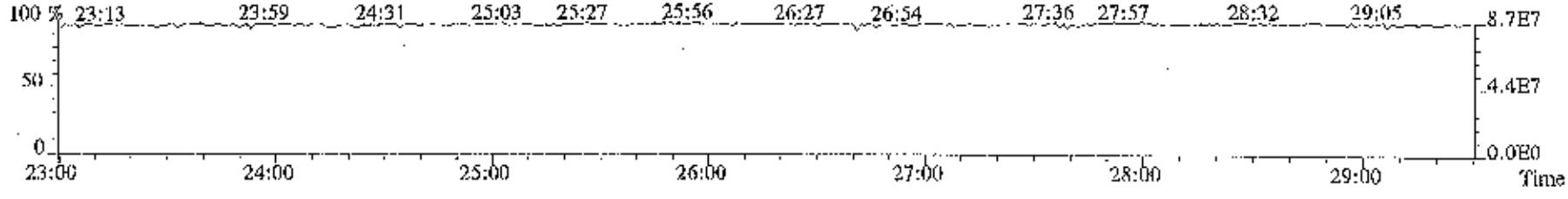
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



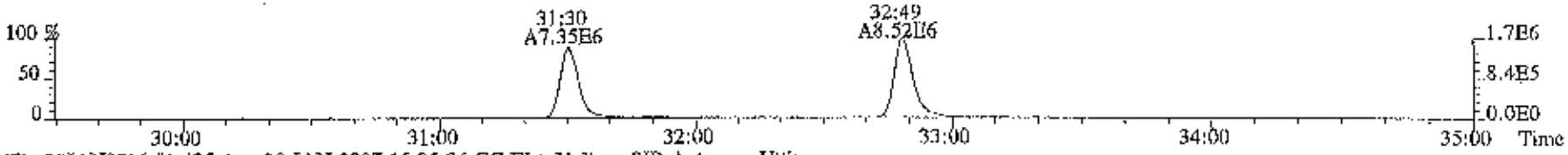
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



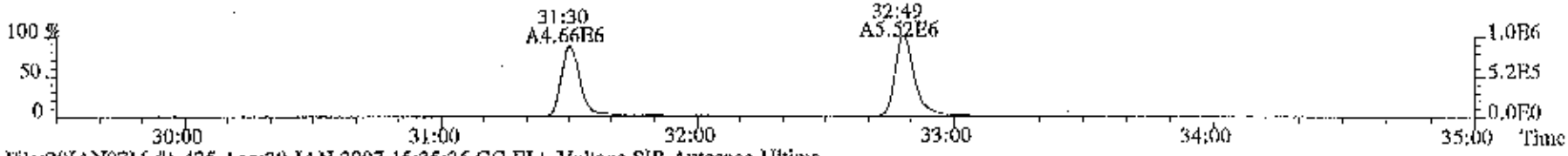
File:29JAN07M #1-390 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
330.9792 S:2 Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



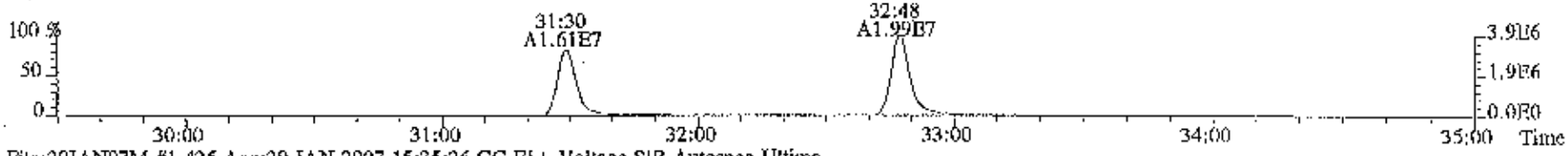
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



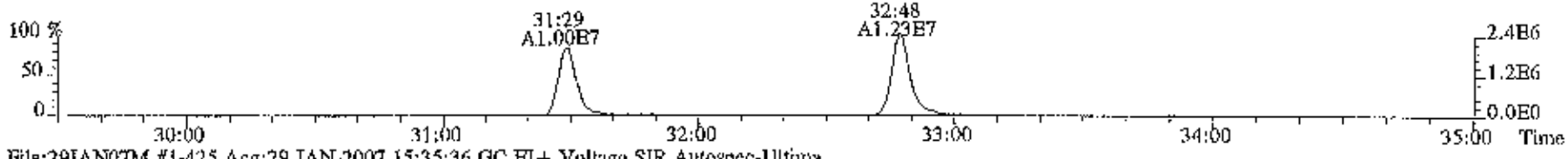
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



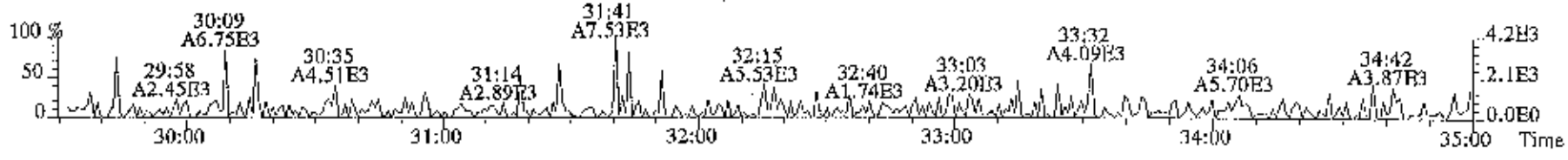
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



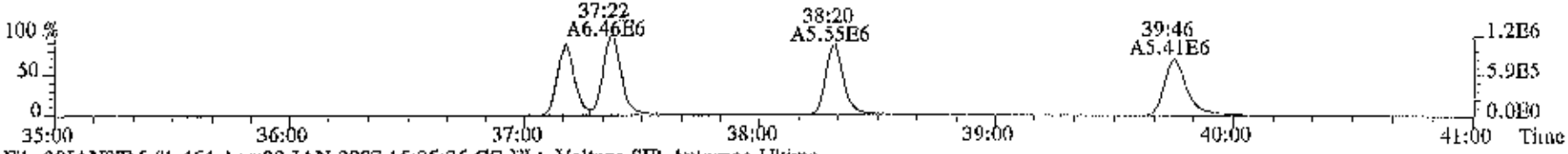
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



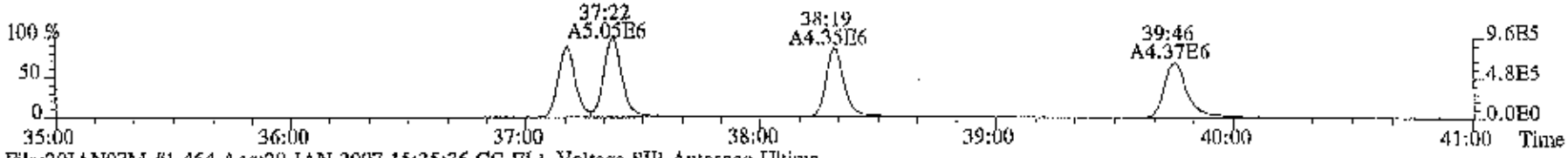
File:29JAN07M #1-425 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



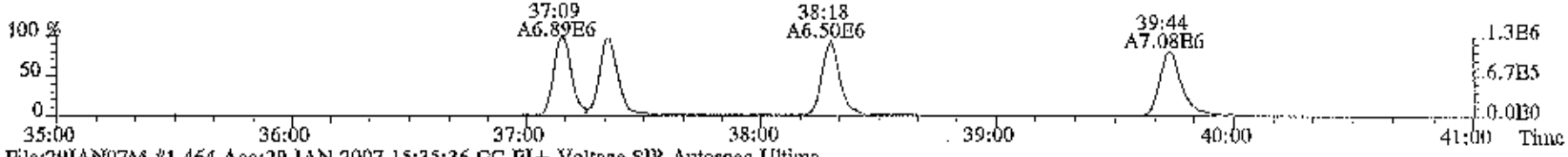
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



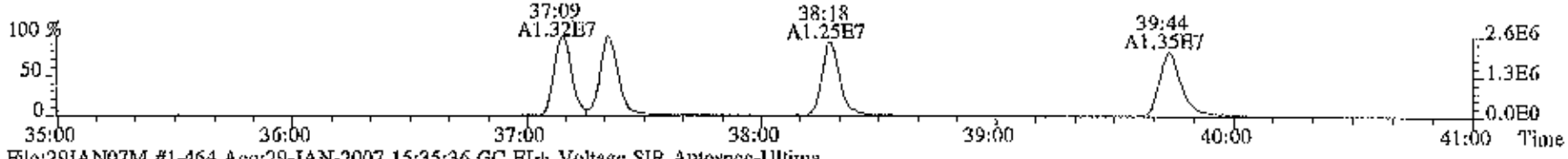
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



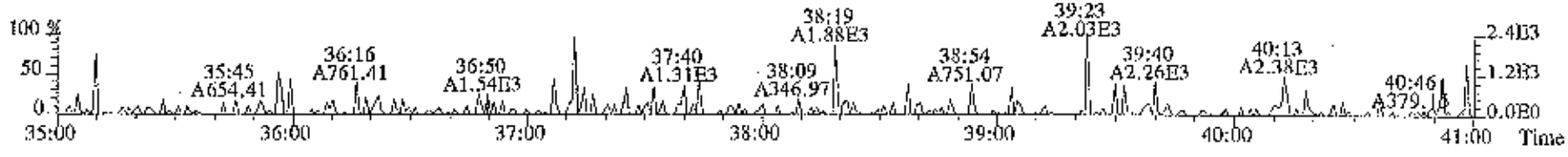
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



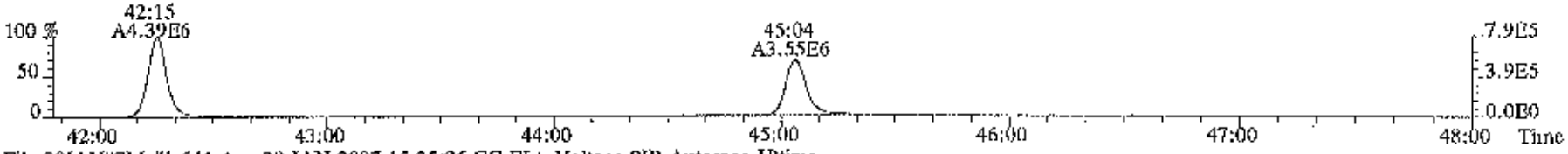
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



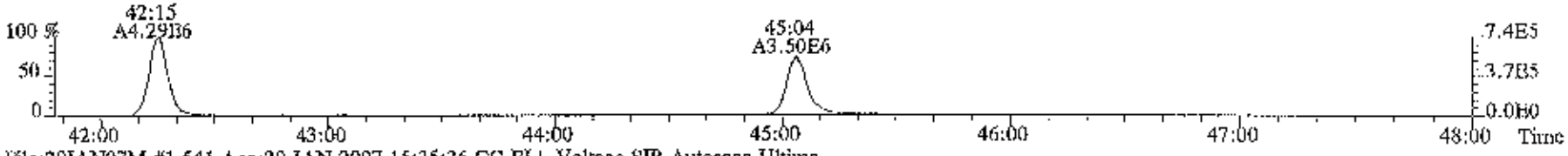
File:29JAN07M #1-464 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



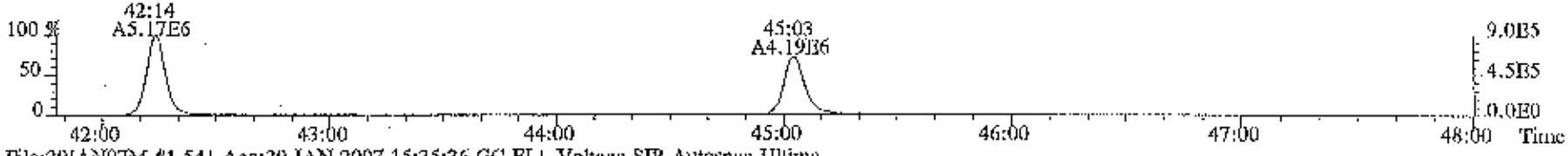
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



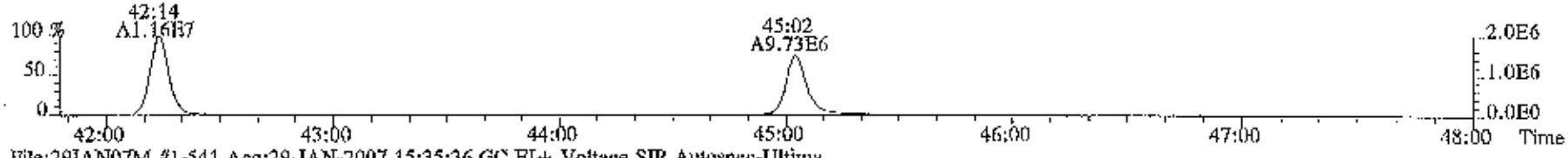
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



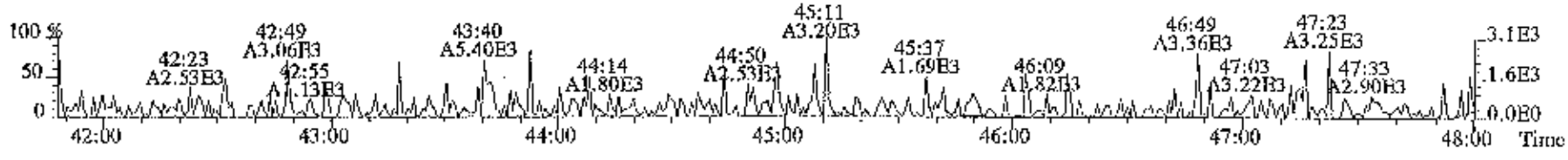
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



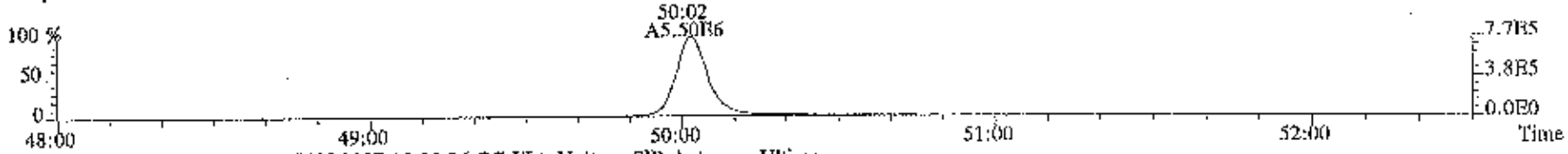
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



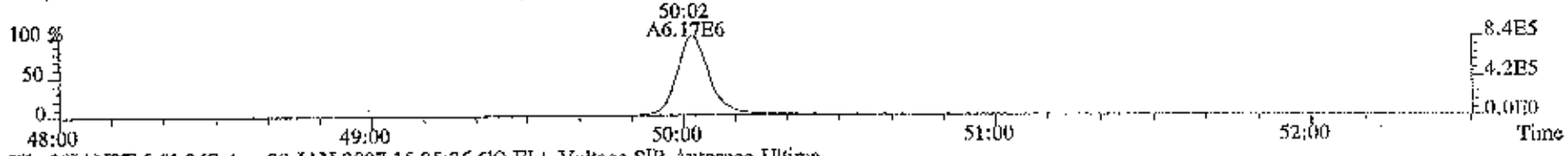
File:29JAN07M #1-541 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



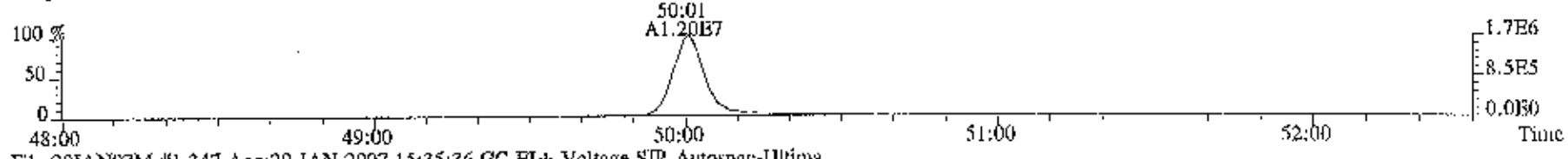
File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



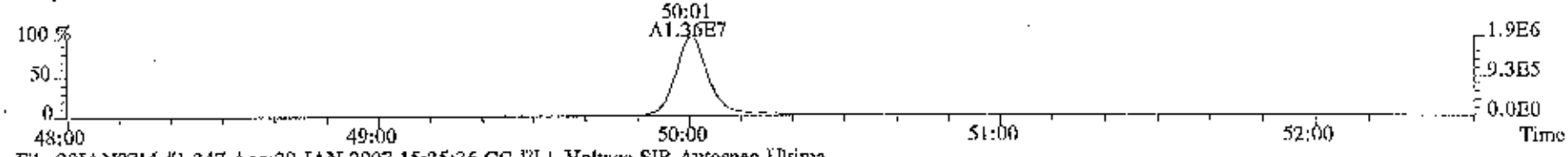
File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



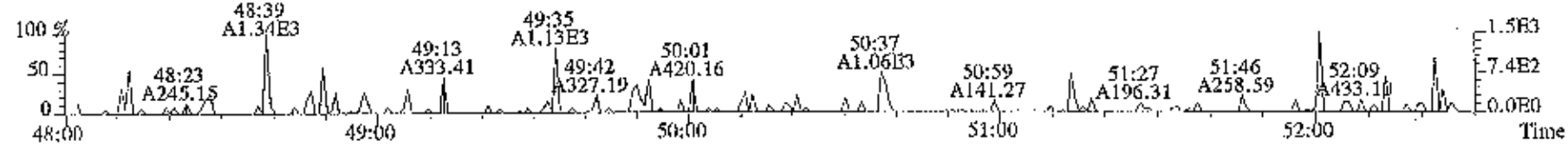
File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



File:29JAN07M #1-347 Acq:29-JAN-2007 15:35:36 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:1063-001-0001-OPR File Text:Frontier Analytical Laboratory Analyst ID:DV



FAL ID: 1063-001-0001-OPR Filename: 29JAN07M Sam:2 Acquired: 29-JAN-07 15:35:36 ICal: PCDDFAL3-10-24-06
Client ID: OPR ConCal: ST012907M1 EndCal: ST012907M2
Results: 4287 GC Column: DB5 Amount: 1.000 NATO 1989 Tox: 106
WHO 1998 Tox: 130

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	
2,3,7,8-TCDD	2.45e+06	0.78 y	27:25	1.19	9.96		2.50	-	*	
1,2,3,7,8-PeCDD	8.14e+06	1.60 y	33:13	0.69	49.6		2.50	-	*	
1,2,3,4,7,8-HxCDD	8.42e+06	1.28 y	38:33	0.94	52.5		2.50	-	*	
1,2,3,6,7,8-HxCDD	7.41e+06	1.30 y	38:43	0.81	54.4		2.50	-	*	
1,2,3,7,8,9-HxCDD	6.59e+06	1.23 y	39:10	0.74	52.5		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	5.77e+06	1.06 y	44:09	0.89	51.8		2.50	-	*	
OCDD	9.99e+06	0.89 y	49:40	1.03	107		2.50	-	*	
2,3,7,8-TCDF	3.01e+06	0.77 y	26:40	0.97	9.76		2.50	-	*	
1,2,3,7,8-PeCDF	1.20e+07	1.58 y	31:30	0.82	55.9		2.50	-	*	
2,3,4,7,8-PeCDF	1.40e+07	1.54 y	32:49	0.78	56.1		2.50	-	*	
1,2,3,4,7,8-HxCDF	9.45e+06	1.24 y	37:11	0.90	52.2		2.50	-	*	
1,2,3,6,7,8-HxCDF	1.15e+07	1.28 y	37:22	1.02	53.1		2.50	-	*	
2,3,4,6,7,8-HxCDF	9.91e+06	1.28 y	38:20	0.97	53.7		2.50	-	*	
1,2,3,7,8,9-HxCDF	9.78e+06	1.24 y	39:46	0.89	53.1		2.50	-	*	
1,2,3,4,6,7,8-HpCDF	8.68e+06	1.02 y	42:15	0.99	51.9		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	7.05e+06	1.02 y	45:04	0.98	51.7		2.50	-	*	
OCDF	1.17e+07	0.89 y	50:02	0.84	108		2.50	-	*	
										Rec
13C-2,3,7,8-TCDD	2.06e+07	0.79 y	27:24	0.95	84.5					84.5
13C-1,2,3,7,8-PeCDD	2.36e+07	1.60 y	33:12	1.06	86.6					86.6
13C-1,2,3,4,7,8-HxCDD	1.70e+07	1.27 y	38:32	1.05	78.7					78.7
13C-1,2,3,6,7,8-HxCDD	1.67e+07	1.22 y	38:42	1.00	82.0					82.0
13C-1,2,3,4,6,7,8-HpCDD	1.25e+07	1.06 y	44:07	0.82	74.2					74.2
13C-OCDD	1.82e+07	0.91 y	49:38	0.68	130					65.0
13C-2,3,7,8-TCDF	3.17e+07	0.79 y	26:40	0.98	84.3					84.3
13C-1,2,3,7,8-PeCDF	2.61e+07	1.60 y	31:30	0.83	82.5					82.5
13C-2,3,4,7,8-PeCDF	3.22e+07	1.62 y	32:48	0.97	86.5					86.5
13C-1,2,3,4,7,8-HxCDF	2.01e+07	0.52 y	37:09	1.28	76.6					76.6
13C-1,2,3,6,7,8-HxCDF	2.12e+07	0.52 y	37:21	1.29	80.5					80.5
13C-2,3,4,6,7,8-HxCDF	1.90e+07	0.52 y	38:18	1.12	82.5					82.5
13C-1,2,3,7,8,9-HxCDF	2.06e+07	0.52 y	39:44	1.27	79.4					79.4
13C-1,2,3,4,6,7,8-HpCDF	1.68e+07	0.44 y	42:14	1.06	77.5					77.5
13C-1,2,3,4,7,8,9-HpCDF	1.39e+07	0.43 y	45:05	0.94	71.9					71.9
13C-OCDF	2.56e+07	0.89 y	50:01	0.95	132					65.8
37Cl-2,3,7,8-TCDD	6.37e+06		27:25	0.65	37.9					94.7
13C-1,2,3,4-TCDD	2.58e+07	0.80 y	26:50	-	12.7					
13C-1,2,3,4-TCDF	3.82e+07	0.78 y	25:34	-	12.4					
13C-1,2,3,7,8,9-HxCDD	2.05e+07	1.24 y	39:09	-	13.3					
							Fac	Noise	DL	#Hom
Total Tetra-Dioxins	2.60e+06		22:42	1.19	10.6		2.50	-	*	22
Total Penta-Dioxins	8.33e+06		31:27	0.69	50.8		2.50	-	*	18
Total Hexa-Dioxins	2.27e+07		36:09	0.83	161		2.50	-	*	18
Total Hepta-Dioxins	6.31e+06		41:18	0.89	56.6		2.50	-	*	48
Total Tetra-Furans	3.27e+06		22:49	0.97	10.6		2.50	-	*	19
1st Fn. Tot Penta-Furans	5.64e+04		22:47	0.80	0.242		2.50	-	*	20 PeCDF
Total Penta-Furans	2.67e+07		30:16	0.80	115		2.50	-	*	20 115
Total Hexa-Furans	4.11e+07		35:14	0.95	215		2.50	-	*	27
Total Hepta-Furans	1.61e+07		42:15	0.99	106		2.50	-	*	15

Analyst: DN Date: 1/30/07

PROJECT REQUEST SHEET

Project #:	4284	Sample #:	1 - 2	Client Manager:	BS
Client:	TestAmerica - Irvine.	Storage:	R1	Hold Time:	01/28/2007 1/29 (?)
Matrix:	Aqueous	Extraction Batch:	10163	Due Date:	02/12/2007
Method:	DLM02.0 D/F				

COMMENTS/INSTRUCTIONS:

-NC-

Sample	Full Weight (g)	Empty Weight (g)
4284-001-0001-SA	1497.7	493.85
4284-002-0001-SA	1503.6	493.02

Results: 4284

Extract/s located in box: "You go girl"

Standards: 4284

Instrument:

DB5	FAL-3
DB225	
DB1	
Other	

Percent Solids

FAL Project: 4284

	Sample ID	Chemist	Date	Wet Sample Weight (g)	Dry Sample Weight (g)	% Solids	10g Equiv
1.26	4284-001-0001-SA	GN	1/26/07	9.49	0.01	0.10	—
1.26	4284-002-0001-SA	↓	↓	11.88	0.00	0.00	—

% 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 #: 4284 Extraction Date: 2007-01-26 Extraction Chemist: GN

Method/Analysis: DLM02.0 D/F

Procedure: SPE/SOX Solvent: Toluene

Sample ID	Wet wt. (g/L)	Dry wt. (g/L)	IS Amt: 10.0uL ID: 061011A Vial: 3 Chemist/Witness/Date	NS Amt: 10.0uL ID: 061011B Vial: 2 Chemist/Witness/Date	CSS Amt: 10.0uL ID: 061011C Vial: 3 Chemist/Witness/Date
1063-001-0001-MB	(1.000L)		GN DN 1/26/07	NA	GN [illegible] 1/27/07
1063-001-0001-OPR	(1.000L)			GN DN 1/26/07	
4284-001-0001-SA	1.004			NA	
4284-002-0001-SA	1.011				

Comments:

CLEANUP SHEET

Project #: 4284

Method/Analysis: DLM02.0 D/F

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

Sample ID	Cleanup 1	Cleanup 2	Cleanup 3	RS
	MS4/Acid Alumina	NA	NA	Amt: 10.0uL ID: 061011D Vial: 3
	Chemist/Date	Chemist/Date	Chemist/Date	Chemist/Witness/Date
1063-001-0001-MB	GN 1/29/07	NA	NA	GN 1/29/07
1063-001-0001-OPR				
4284-001-0001-SA				
4284-002-0001-SA				

Comments:

Frontier Analytical Laboratory

Sample Check in/Check out/Disposal Log

FAL Project No. 4284

DH = 7

Check in / Check out

Sample Number/s	Dupes	Check in	Check out	To/from Location	Date	Time	Entire Used?	Initials
1 - 2	0	X		R1	2007-01-19	09:55:00		NM
1-2(1of1)			✓	R1	1/26/07	830	✓	SN

Disposal

Sample Number/s	Over 1ppb*	Under 1ppb	From Location	Disposal Date/Time	Initials

*Samples over 1ppb total of PCDDs/PCDFs , PCBs or PAHs require specialized disposal.

Contact SafetyKleen to arrange disposal of any expired samples over the 1 ppb level.

From: Origin ID: (949)261-1022
Sample Control
TESTAMERICA-IRVINE
17461 DERIAN AVE
SUITE
IRVINE, CA 92614

FedEx Express

Ship Date: 18JAN07
ActWgt: 17 LB
System#: 118412/INET2500
Account#: S ********

REF: 122-173 SC

Delivery Address Bar Code

SHIP TO: (916)934-0900 BILL THIRD PARTY

Samples Receiving
Frontier Analytical Lab - SUB
5172 Hillsdale Circle

El Dorado Hills, CA 95762

RELEASE#: 3785346

PRIORITY OVERNIGHT

FRI
Deliver By:
19JAN07

TRK# 7912 1305 3562 FORM 0201

SMF A2

95762 -CA-US

WD MHRA

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

TestAmerica
ANALYTICAL TESTING CORPORATION

4284
0°

SUBCONTRACT ORDER - PROJECT # IQA1645

SENDING LABORATORY:
TestAmerica - Irvine, CA
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:
Frontier Analytical Lab - SUB
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone :(916) 934-0900
Fax: (916) 934-0999

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IQA1645-03 Water Sampled: 01/17/07 11:20		
8290/1613-Dioxin-HR	01/24/07 11:20	Sub Frontier Analytical. Need DLM020 method
Containers Supplied:		
1 L Amber (IQA1645-03N)		
Sample ID: IQA1645-04 Water Sampled: 01/17/07 13:00		
8290/1613-Dioxin-HR	01/24/07 13:00	Sub Frontier Analytical. Need DLM020 method
Containers Supplied:		
1 L Amber (IQA1645-04N)		

SAMPLE INTEGRITY:

All containers intact: ☐ Yes ☐ No Sample labels/COC agree: ☐ Yes ☐ No Samples Received On Ice: ☐ Yes ☐ No
Custody Seals Present: ☐ Yes ☐ No Samples Preserved Properly: ☐ Yes ☐ No Samples Received at (temp): _____

Released By	Date	Time	Received By	Date	Time
[signature]	1/18/07		[signature]	1/19/07	0955

TestAmerica
ANALYTICAL TESTING CORPORATION

SUBCONTRACT ORDER - PROJECT # IQA1645

SENDING LABORATORY:
TestAmerica - Irvine, CA
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:
Frontier Analytical Lab - SUB
5172 Hillsdale Circle
El Dorado Hills, CA 95762
Phone :(916) 934-0900
Fax: (916) 934-0999

Revised 1/22/07

Work Order Comments: Need method DLM020-Dioxins/Furans, Geotracker EDF, ERPIMS EDD. ✓

Standard TAT is requested unless specific due date is requested => Due Date:_____ **Initials:**_____

Analysis	Expiration	Field Pts:	Comments
Sample ID: IQA1645-03 Water Sampled: 01/17/07 11:20		SW-5	
8290/1613-Dioxin-HR	01/24/07 11:20		Sub Frontier Analytical. Need DLM020 method
EDF	02/14/07 11:20		Global=SL603798629
Containers Supplied:			
1 L Amber (IQA1645-03N)			
Sample ID: IQA1645-04 Water Sampled: 01/17/07 13:00		SW-3	
8290/1613-Dioxin-HR	01/24/07 13:00		Sub Frontier Analytical. Need DLM020 method
Containers Supplied:			
1 L Amber (IQA1645-04N)			

jm 1/22/07

SAMPLE INTEGRITY:

All containers intact:	☐ Yes	☐ No	Sample labels/COC agree:	☐ Yes	☐ No	Samples Received On Ice:	☐ Yes ☐ No
Custody Seals Present:	☐ Yes	☐ No	Samples Preserved Properly:	☐ Yes	☐ No	Samples Received at (temp):	_____

Released By	Date	Time	Received By	Date	Time
Released By	Date	Time	Received By	Date	Time

CDD/CDF
SAMPLE LOG-IN SHEET (DC-1)

Lab Name	FRONTIER ANALYTICAL LABORATORY		Page 1 of 1
Received By (Print Name)	NIAL MALONEY		Log-in Date 1/19/07
Received By (Signature)	Niall Maloney		
Contract No.			TO No.
Case No.		Sample Delivery Group No.	

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	IQA1645-03	IQA1645-03	4284-001-SA	GOOD
2. Custody Seal Nos.	N/A	IQA1645-04	IQA1645-04	4284-002-SA	
3. Chain of Custody Records	Present/Absent*				
4. Traffic Reports or Packing Lists					
5. Airbill	Airbill/Sticker Present/Absent*				
6. Airbill No.	7912130 53562				
7. Sample Tags	Present/Absent*				
Sample Tag Numbers	Listed/Not Listed on Chain of Custody Record				
8. Sample Condition	Intact/Broken*/Leaking				
9. Cooler Temperature	0°				
10. Does information on custody records and sample tags agree?	Yes/No*				
11. Date Received at Laboratory	1/19/07				
12. Time Received	0955				

Sample Transfer	
Fraction 4284-1,2	Fraction 4284 1,2
Area # SC - Prep	Area # Prep - Tech.
By GN	By GN
On 1/26/07	On 1/29/07

* Contact TOPO and attach record of resolution.

Reviewed By	Logbook No.
Date 2/1/07	Logbook Page No.

000213 of 000213