

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	5.77e+05	0.82 y	27:39	1.13	15.0		2.50	-	*		
1,2,3,7,8-PeCDD	9.36e+05	1.48 y	33:32	1.02	25.9		2.50	-	*		
1,2,3,4,7,8-HxCDD	2.43e+06	1.24 y	38:56	1.45	58.9		2.50	-	*		
1,2,3,6,7,8-HxCDD	8.00e+06	1.30 y	39:07	1.45	204		2.50	-	*		
1,2,3,7,8,9-HxCDD	4.59e+06	1.25 y	39:34	1.47	113		2.50	-	*		
1,2,3,4,6,7,8-HpCDD	1.98e+08	0.93 y	44:37	1.30	6200		2.50	-	*		
OCDD	1.25e+09	0.93 y	50:22	1.45	53800		2.50	-	*		
2,3,7,8-TCDF	1.54e+06	0.67 y	26:53	1.15	23.1	F	2.50	-	*		
1,2,3,7,8-PeCDF	7.45e+05	1.52 y	31:47	0.89	15.5		2.50	-	*		
2,3,4,7,8-PeCDF	7.80e+05	1.53 y	33:08	0.89	16.3		2.50	-	*		
1,2,3,4,7,8-HxCDF	4.64e+06	1.32 y	37:34	1.01	102	D,M	2.50	-	*		
1,2,3,6,7,8-HxCDF	2.82e+06	1.12 y	37:45	0.89	53.2		2.50	-	*		
2,3,4,6,7,8-HxCDF	3.39e+06	1.26 y	38:42	1.02	68.6		2.50	-	*		
1,2,3,7,8,9-HxCDF	6.06e+05	1.23 y	40:11	1.10	10.6		2.50	-	*		
1,2,3,4,6,7,8-HpCDF	5.24e+07	1.09 y	42:42	1.48	1320		2.50	-	*		
1,2,3,4,7,8,9-HpCDF	1.89e+06	1.08 y	45:32	1.43	59.7		2.50	-	*		
OCDF	6.97e+07	0.88 y	50:43	0.84	3280		2.50	-	*		
13C-2,3,7,8-TCDD	2.33e+07	0.74 y	27:37	1.03	601					87.4	
13C-1,2,3,7,8-PeCDD	2.45e+07	1.77 y	33:31	1.01	643					93.6	
13C-1,2,3,4,7,8-HxCDD	1.96e+07	1.31 y	38:56	1.19	522					76.0	
13C-1,2,3,6,7,8-HxCDD	1.85e+07	1.30 y	39:06	0.94	628					91.4	
13C-1,2,3,4,6,7,8-HpCDD	1.68e+07	1.01 y	44:36	0.83	647					94.1	
13C-OCDD	2.20e+07	0.97 y	50:21	0.61	1150					83.8	
13C-2,3,7,8-TCDF	4.00e+07	0.88 y	26:52	0.98	663					96.5	
13C-1,2,3,7,8-PeCDF	3.73e+07	1.63 y	31:46	0.83	730					106	
13C-2,3,4,7,8-PeCDF	3.67e+07	1.65 y	33:06	0.80	743					108	
13C-1,2,3,4,7,8-HxCDF	3.11e+07	0.48 y	37:32	1.84	537					78.2	
13C-1,2,3,6,7,8-HxCDF	4.08e+07	0.48 y	37:44	2.29	566					82.3	
13C-2,3,4,6,7,8-HxCDF	3.34e+07	0.48 y	38:41	1.86	571					83.0	
13C-1,2,3,7,8,9-HxCDF	3.55e+07	0.47 y	40:08	1.98	569					82.8	
13C-1,2,3,4,6,7,8-HpCDF	1.85e+07	0.48 y	42:41	0.99	594					86.5	
13C-1,2,3,4,7,8,9-HpCDF	1.52e+07	0.49 y	45:32	0.77	630					91.7	
13C-OCDF	3.47e+07	0.94 y	50:42	1.17	945					68.8	
37Cl-2,3,7,8-TCDD	6.48e+06		27:39	0.73	236					85.9	
13C-1,2,3,4-TCDD	2.59e+07	0.74 y	27:03	-	23.4						
13C-1,2,3,4-TCDF	4.23e+07	0.87 y	25:46	-	20.2						
13C-1,2,3,7,8,9-HxCDD	2.16e+07	1.32 y	39:33	-	30.0						
Total Tetra-Dioxins	6.74e+06		24:37	1.13	176		2.50	-	*		14
Total Penta-Dioxins	2.59e+07		30:30	1.02	717		2.50	-	*		10
Total Hexa-Dioxins	8.73e+07		36:28	1.46	2170		2.50	-	*		7
Total Hepta-Dioxins	4.14e+08		43:14	1.30	13000		2.50	-	*		2
Total Tetra-Furans	2.59e+07		23:15	1.15	387	D,M	2.50	-	*		24
1st Fn. Tot Penta-Furans	1.15e+07		28:42	0.89	240	D,M	2.50	-	*	PeCDF	1
Total Penta-Furans	1.85e+07		30:20	0.89	387	D,M	2.50	-	*	628	16
Total Hexa-Furans	8.12e+07		35:37	1.00	1590	D,M	2.50	-	*	601	13
Total Hepta-Furans	1.35e+08		42:42	1.46	3650		2.50	-	*	41/11	4

M.7 DDZUS 4/8/11 JC

Analyst: *[Signature]*

Date: *4/8/11*

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 19

File: 07APR11M

S: 11 I: 1 F: 1

Acquired: 8-APR-11 00:26:42

Total Concentration: 176

Unnamed Concentration: 160.686

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:37	5.69e+05	7.34e+05	0.78 y	1.30e+06	34.0	
24:53	5.22e+05	6.58e+05	0.79 y	1.18e+06	30.7	
25:12	5.98e+05	7.32e+05	0.82 y	1.33e+06	34.6	
25:50	6.81e+04	9.75e+04	0.70 y	1.66e+05	4.32	
26:00	2.36e+05	2.86e+05	0.83 y	5.22e+05	13.6	
26:10	2.33e+05	2.88e+05	0.81 y	5.21e+05	13.6	
26:19	7.63e+04	9.45e+04	0.81 y	1.71e+05	4.45	
26:32	9.81e+04	1.15e+05	0.85 y	2.13e+05	5.55	
26:42	6.88e+04	8.53e+04	0.81 y	1.54e+05	4.02	
27:02	1.12e+05	1.40e+05	0.80 y	2.52e+05	6.58	
27:22	8.75e+04	1.06e+05	0.83 y	1.94e+05	5.04	
27:29	1.94e+04	2.57e+04	0.75 y	4.52e+04	1.18	
27:39	2.60e+05	3.17e+05	0.82 y	5.77e+05	15.0	2,3,7,8-TCDD
27:57	5.49e+04	6.25e+04	0.88 y	1.17e+05	3.06	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 19

File: 07APR11M

S: 11 I: 1 F: 2

Acquired: 8-APR-11 00:26:42

Total Concentration: 717

Unnamed Concentration: 691.087

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:30	1.08e+07	6.99e+06	1.54 y	1.77e+07	491	
31:08	5.61e+05	4.22e+05	1.33 y	9.83e+05	27.2	
31:46	8.98e+05	6.03e+05	1.49 y	1.50e+06	41.5	
32:00	1.15e+06	7.78e+05	1.48 y	1.93e+06	53.3	
32:08	5.41e+05	3.66e+05	1.48 y	9.07e+05	25.1	
32:26	6.45e+05	4.44e+05	1.45 y	1.09e+06	30.1	
32:55	2.04e+05	1.33e+05	1.53 y	3.38e+05	9.34	
33:32	5.59e+05	3.77e+05	1.48 y	9.36e+05	25.9	1,2,3,7,8-PeCDD
33:37	1.78e+05	1.27e+05	1.40 y	3.05e+05	8.45	
34:07	1.23e+05	7.77e+04	1.58 y	2.01e+05	5.55	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 19

File: 07APR11M

S: 11 I: 1 F: 3

Acquired: 8-APR-11 00:26:42

Total Concentration: 2170

Unnamed Concentration: 1790.309

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:28	2.19e+07	1.68e+07	1.30 y	3.87e+07	960	
37:25	2.07e+06	1.62e+06	1.28 y	3.69e+06	91.4	
37:51	1.63e+07	1.27e+07	1.28 y	2.90e+07	718	
38:56	1.34e+06	1.09e+06	1.24 y	2.43e+06	58.9	1,2,3,4,7,8-HxCDD
39:07	4.52e+06	3.47e+06	1.30 y	8.00e+06	204	1,2,3,6,7,8-HxCDD
39:25	4.83e+05	3.97e+05	1.22 y	8.80e+05	21.8	
39:34	2.55e+06	2.04e+06	1.25 y	4.59e+06	113	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 19

File: 07APR11M

S: 11 I: 1 F: 4

Acquired: 8-APR-11 00:26:42

Total Concentration: 13000

Unnamed Concentration: 6791.633

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:14	1.04e+08	1.12e+08	0.93 y	2.16e+08	6790	
44:37	9.53e+07	1.02e+08	0.93 y	1.98e+08	6200	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 19

File: 07APR11M

S: 11 I: 1 F: 1

Acquired: 8-APR-11 00:26:42

Total Concentration: 387

Unnamed Concentration: 364.346

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:15	1.59e+05	2.30e+05	0.69 y	3.90e+05	5.84	
23:36	2.99e+05	4.28e+05	0.70 y	7.28e+05	10.9	
23:50	2.32e+04	2.85e+04	0.82 y	5.17e+04	0.775	
24:00	9.36e+05	1.36e+06	0.69 y	2.30e+06	34.4	
24:24	9.07e+05	1.28e+06	0.71 y	2.19e+06	32.8	
24:39	1.23e+06	1.76e+06	0.70 y	2.99e+06	44.7	
24:56	6.08e+05	8.61e+05	0.71 y	1.47e+06	22.0	
25:03	3.73e+05	5.17e+05	0.72 y	8.90e+05	13.3	
25:10	4.70e+05	6.65e+05	0.71 y	1.14e+06	17.0	
25:33	3.73e+05	5.00e+05	0.75 y	8.73e+05	13.1	
25:39	6.66e+05	9.95e+05	0.67 y	1.66e+06	24.9	
25:46	8.18e+05	1.14e+06	0.72 y	1.96e+06	29.3	
25:59	1.37e+05	1.83e+05	0.75 y	3.20e+05	4.80	
26:08	3.98e+05	5.49e+05	0.73 y	9.47e+05	14.2	
26:22	2.17e+05	3.12e+05	0.70 y	5.29e+05	7.92	
26:30	1.41e+05	1.88e+05	0.75 y	3.29e+05	4.93	
26:47	5.09e+05	7.02e+05	0.72 y	1.21e+06	18.1	
26:53	6.19e+05	9.25e+05	0.67 y	1.54e+06	23.1	2,3,7,8-TCDF
27:13	6.79e+05	9.57e+05	0.71 y	1.64e+06	24.5	
27:26	9.08e+04	1.15e+05	0.79 y	2.05e+05	3.07	
27:35	5.70e+04	8.57e+04	0.66 y	1.43e+05	2.14	
28:05	4.39e+05	6.13e+05	0.72 y	1.05e+06	15.8	
28:18	3.48e+05	4.80e+05	0.72 y	8.27e+05	12.4	
28:43	1.97e+05	2.99e+05	0.66 y	4.96e+05	7.43	

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

Run: 19 File: 07APR11M S: 11 I: 1 F: 1
Acquired: 8-APR-11 00:26:42

Total Concentration: 240 Unnamed Concentration: 240.395

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:42	6.93e+06	4.59e+06	1.51 y	1.15e+07	240

Totals class: Total Penta-Furans

Entry #: 44

Run: 19

File: 07APR11M

S: 11 I: 1 F: 2

Acquired: 8-APR-11 00:26:42

Total Concentration: 387

Unnamed Concentration: 355.427

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:20	7.23e+05	5.21e+05	1.39 y	1.24e+06	26.0	
30:31	4.53e+06	2.80e+06	1.62 y	7.33e+06	153	
30:58	3.28e+05	2.10e+05	1.56 y	5.38e+05	11.2	
31:14	1.79e+06	1.12e+06	1.60 y	2.92e+06	60.9	
31:32	4.26e+05	2.61e+05	1.63 y	6.87e+05	14.3	
31:47	4.49e+05	2.96e+05	1.52 y	7.45e+05	15.5	1,2,3,7,8-PeCDF
32:00	4.99e+05	3.15e+05	1.58 y	8.14e+05	17.0	
32:07	5.92e+05	3.71e+05	1.59 y	9.64e+05	20.1	
32:19	1.39e+05	1.03e+05	1.36 y	2.42e+05	5.04	
32:50	5.40e+04	3.49e+04	1.55 y	8.89e+04	1.86	
32:58	2.20e+05	1.39e+05	1.58 y	3.58e+05	7.49	
33:08	4.71e+05	3.09e+05	1.53 y	7.80e+05	16.3	2,3,4,7,8-PeCDF
33:10	6.81e+05	4.08e+05	1.67 y	1.09e+06	22.8	
33:17	7.70e+04	5.61e+04	1.37 y	1.33e+05	2.78	
34:13	8.57e+04	5.34e+04	1.60 y	1.39e+05	2.90	
34:23	2.93e+05	1.87e+05	1.57 y	4.80e+05	10.0	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 19

File: 07APR11M

S: 11 I: 1 F: 3

Acquired: 8-APR-11 00:26:42

Total Concentration: 1590

Unnamed Concentration: 1360.864

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:37	4.86e+06	3.91e+06	1.24 y	8.77e+06	171	
35:54	1.66e+07	1.31e+07	1.26 y	2.97e+07	579	
36:15	3.17e+05	2.98e+05	1.06 y	6.15e+05	12.0	
36:28	6.26e+05	4.90e+05	1.28 y	1.12e+06	21.8	
36:47	1.42e+07	1.13e+07	1.25 y	2.56e+07	499	
37:24	5.91e+05	4.87e+05	1.21 y	1.08e+06	21.0	
37:34	2.64e+06	2.00e+06	1.32 y	4.64e+06	102	1,2,3,4,7,8-HxCDF
37:45	1.49e+06	1.33e+06	1.12 y	2.82e+06	53.2	1,2,3,6,7,8-HxCDF
38:12	5.14e+05	4.23e+05	1.22 y	9.38e+05	18.3	
38:22	9.93e+05	7.82e+05	1.27 y	1.77e+06	34.6	
38:42	1.89e+06	1.50e+06	1.26 y	3.39e+06	68.6	2,3,4,6,7,8-HxCDF
39:01	1.19e+05	8.41e+04	1.42 y	2.04e+05	3.97	
40:11	3.34e+05	2.72e+05	1.23 y	6.06e+05	10.6	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 19

File: 07APR11M

S: 11 I: 1 F: 4

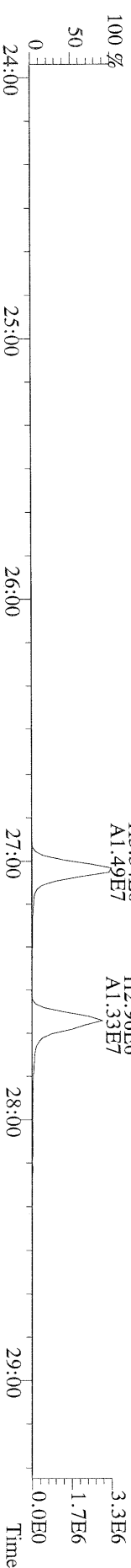
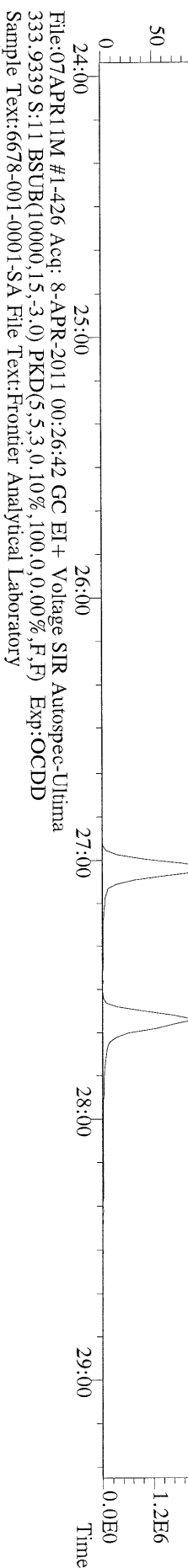
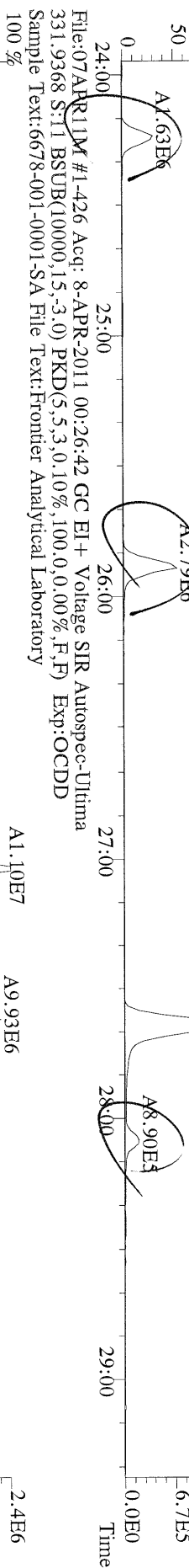
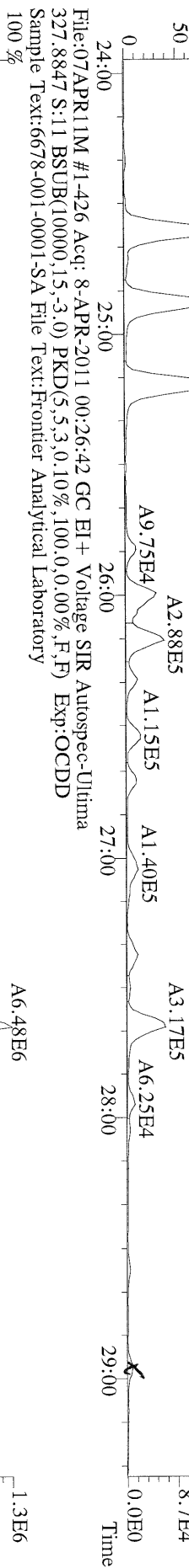
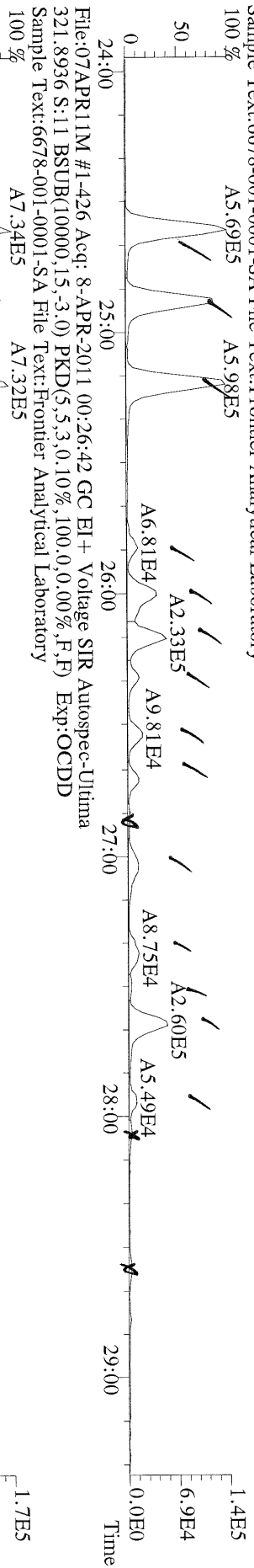
Acquired: 8-APR-11 00:26:42

Total Concentration: 3650

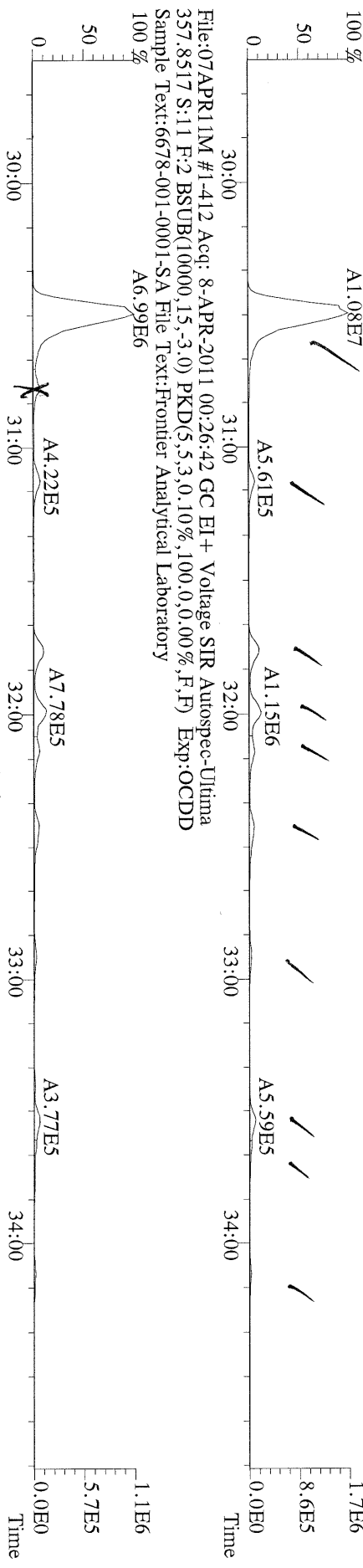
Unnamed Concentration: 2275.152

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:42	2.73e+07	2.51e+07	1.09 y	5.24e+07	1320	1,2,3,4,6,7,8-HpCDF
43:14	7.09e+05	6.72e+05	1.06 y	1.38e+06	38.7	
43:31	4.13e+07	3.85e+07	1.07 y	7.98e+07	2240	
45:32	9.79e+05	9.06e+05	1.08 y	1.89e+06	59.7	1,2,3,4,7,8,9-HpCDF

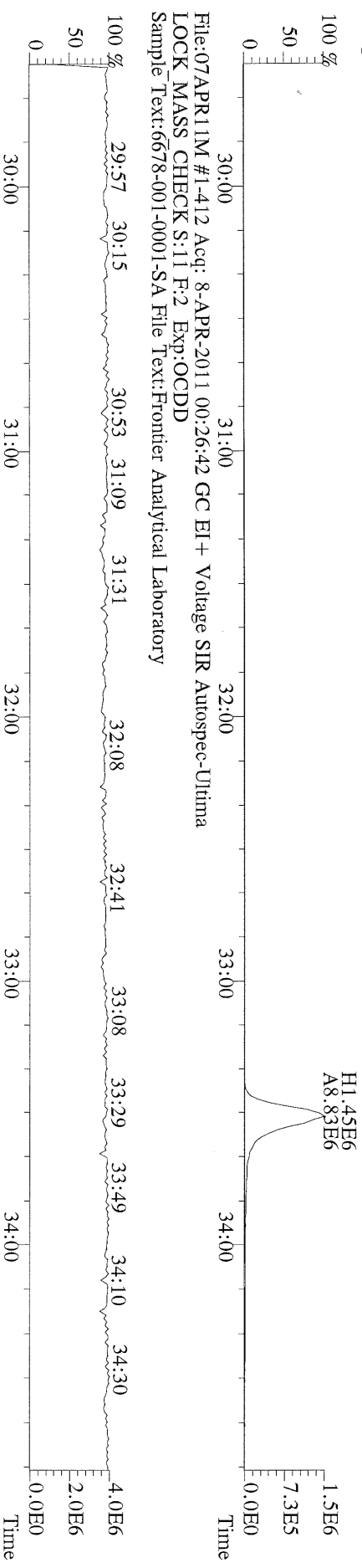
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319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



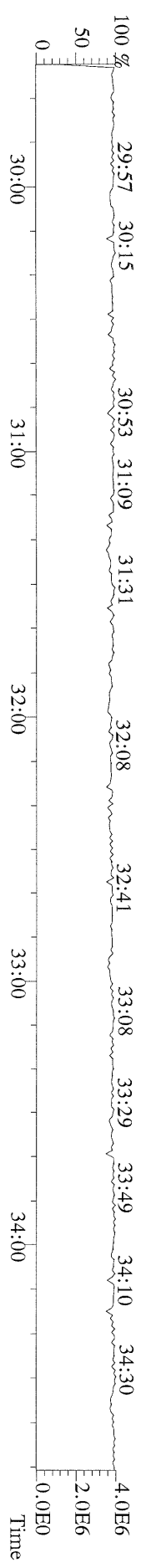
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



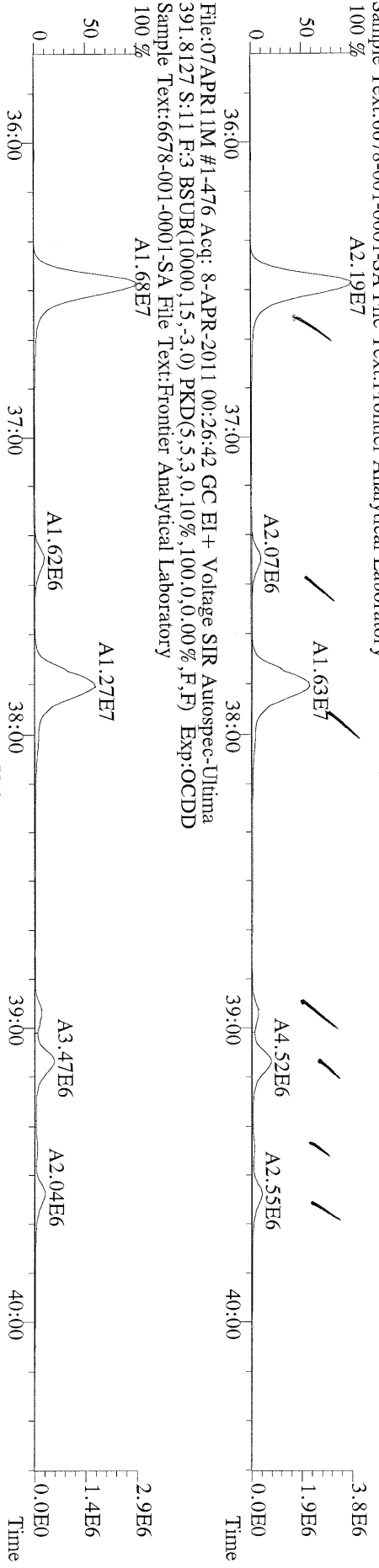
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



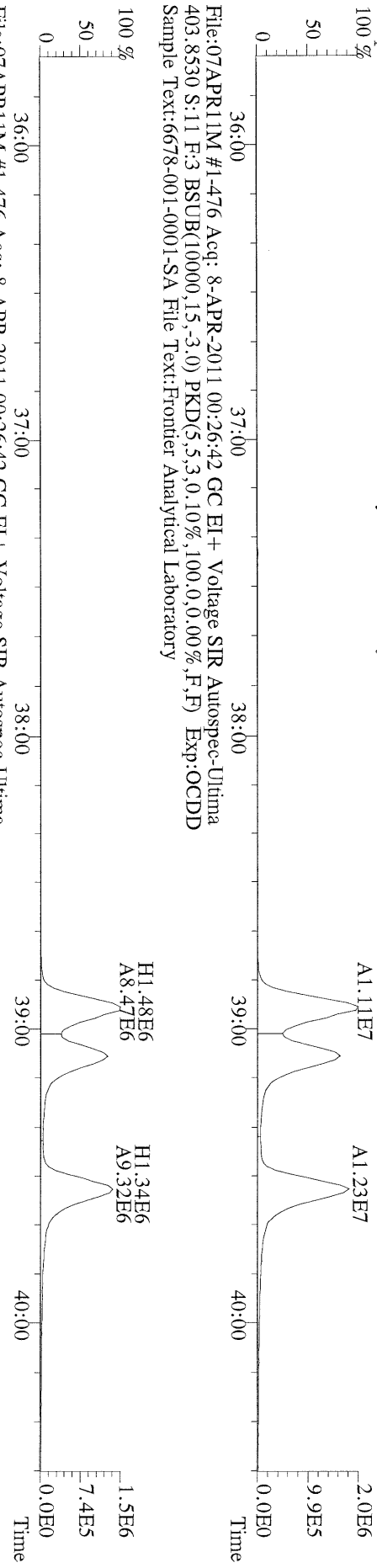
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
LOCK MASS CHECK S:11 F:2 Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



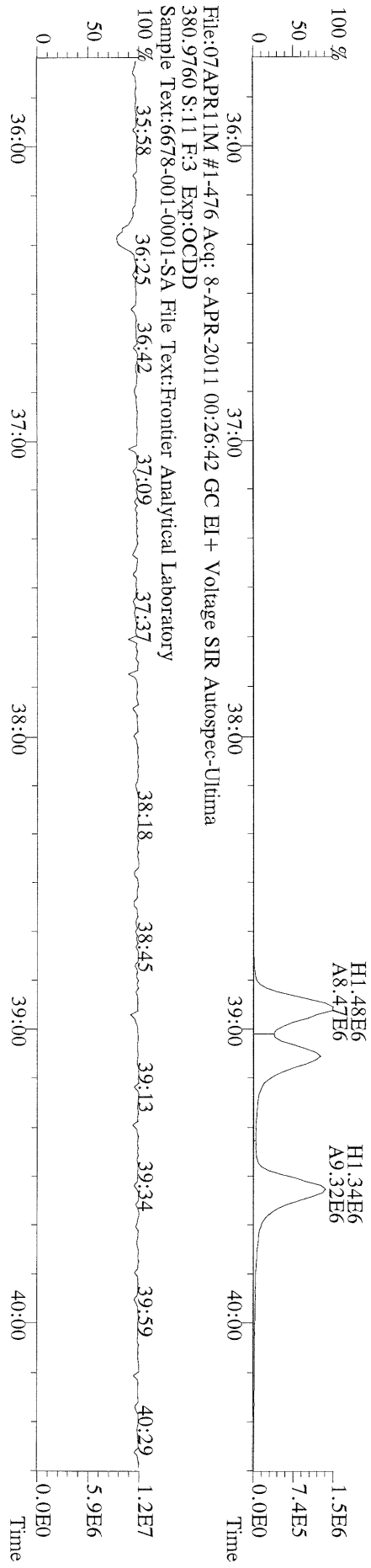
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



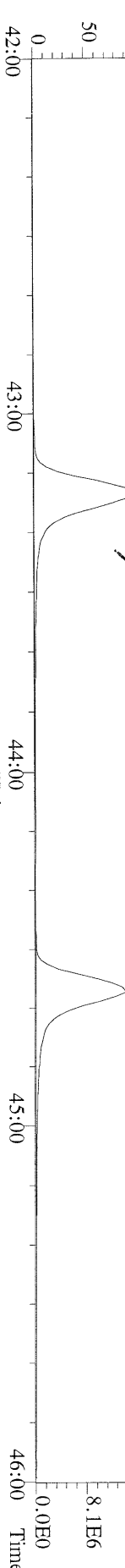
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



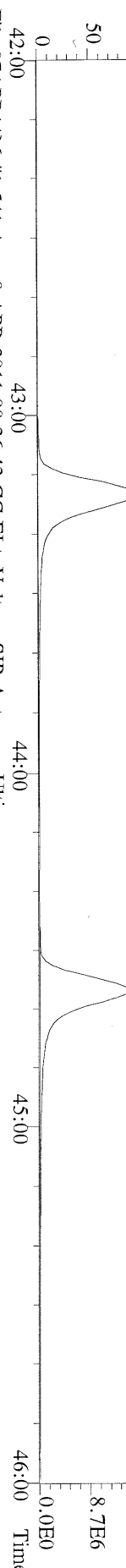
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



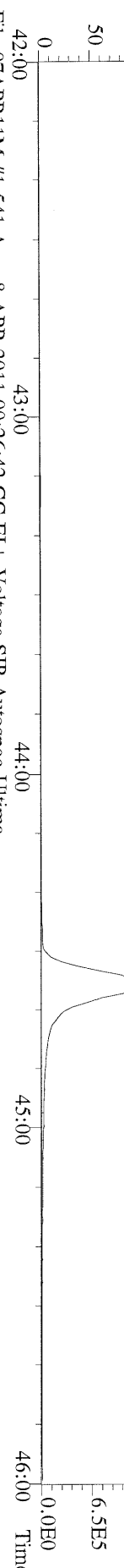
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



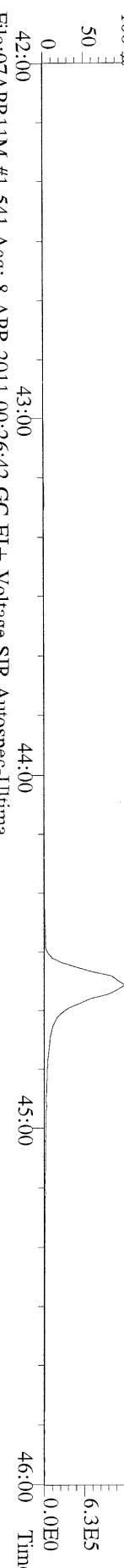
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



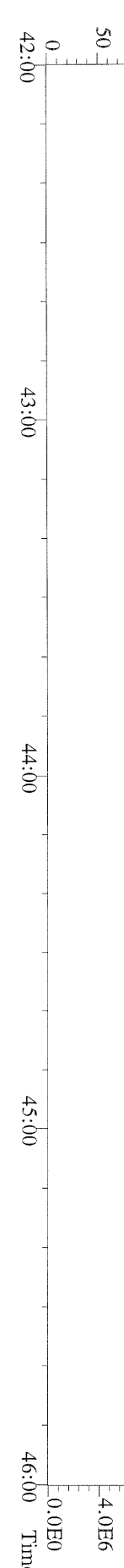
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



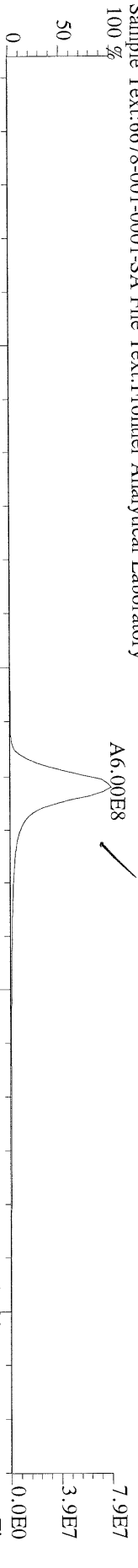
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



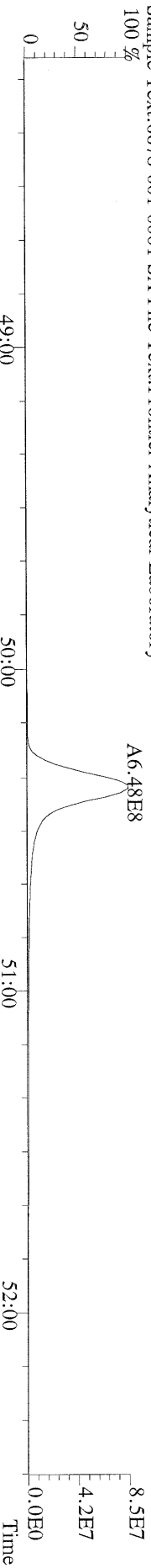
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:11 F:4 Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



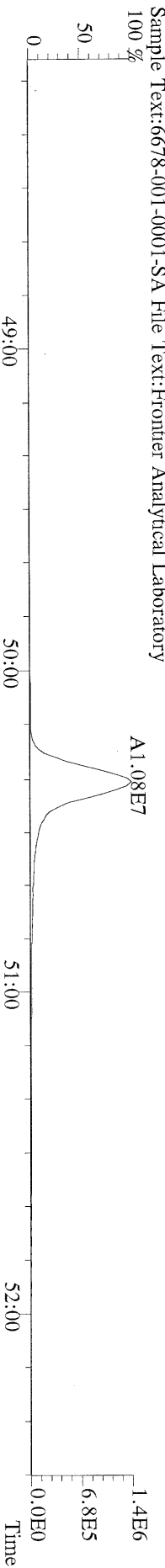
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



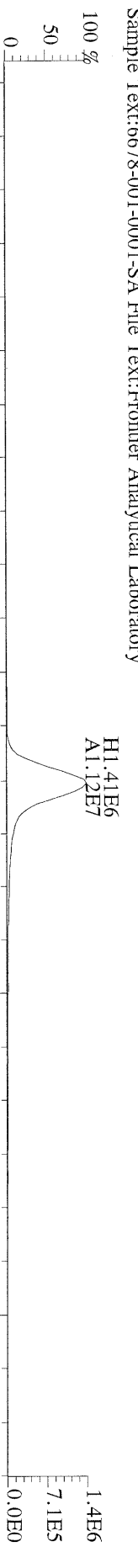
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



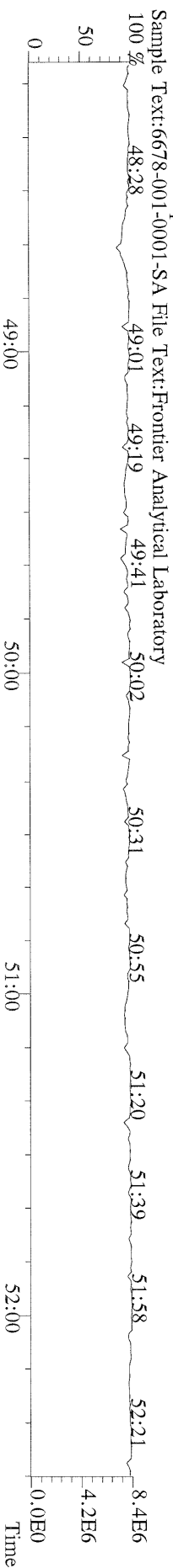
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



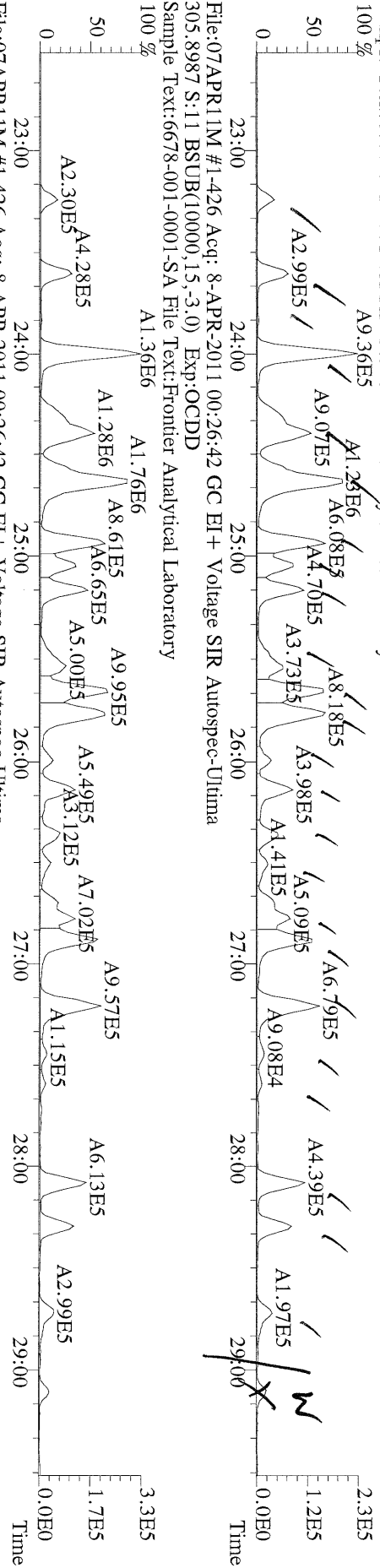
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



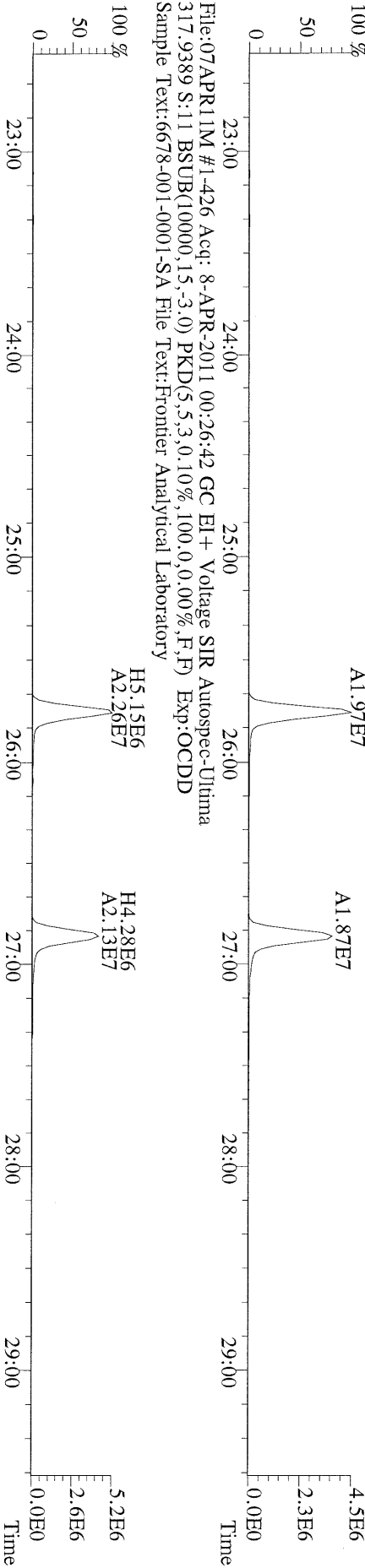
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:11 F:5 Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



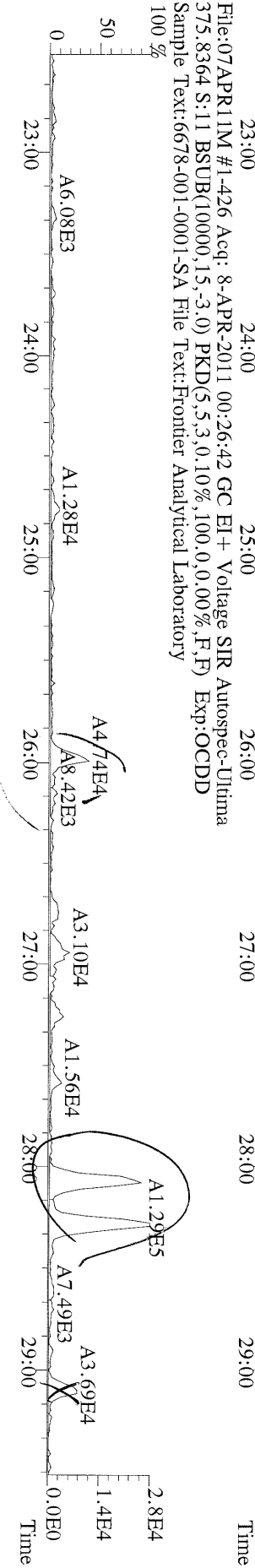
File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
303.9016 S:11 BSUB(10000,15,-3.0) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



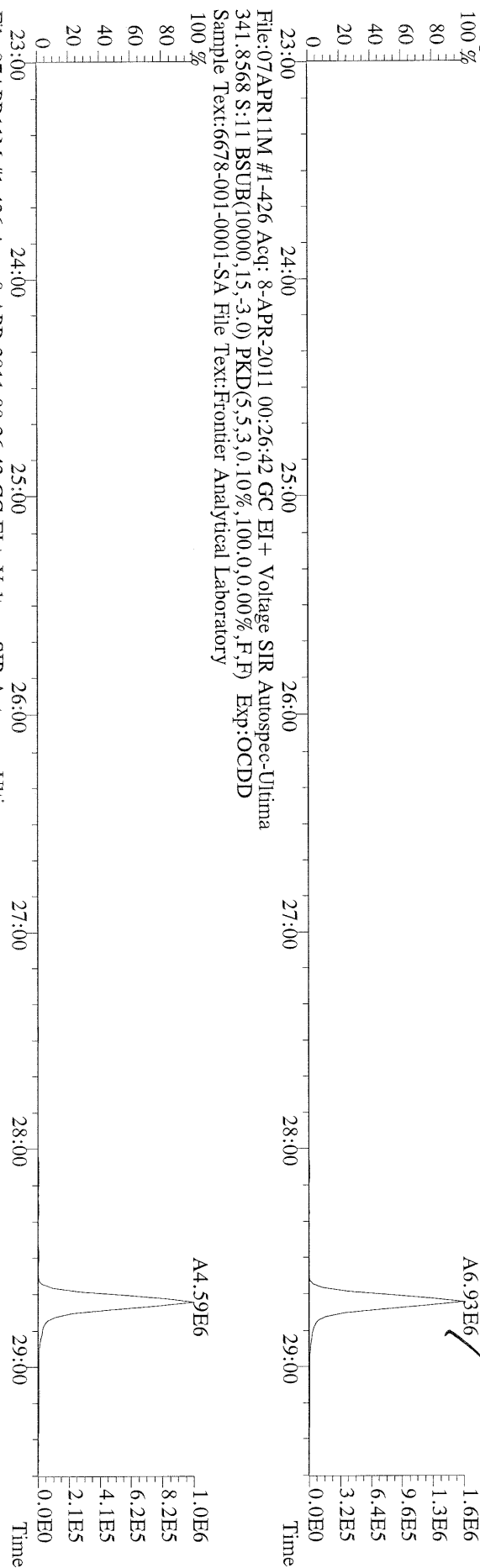
File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
315.9419 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00% F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



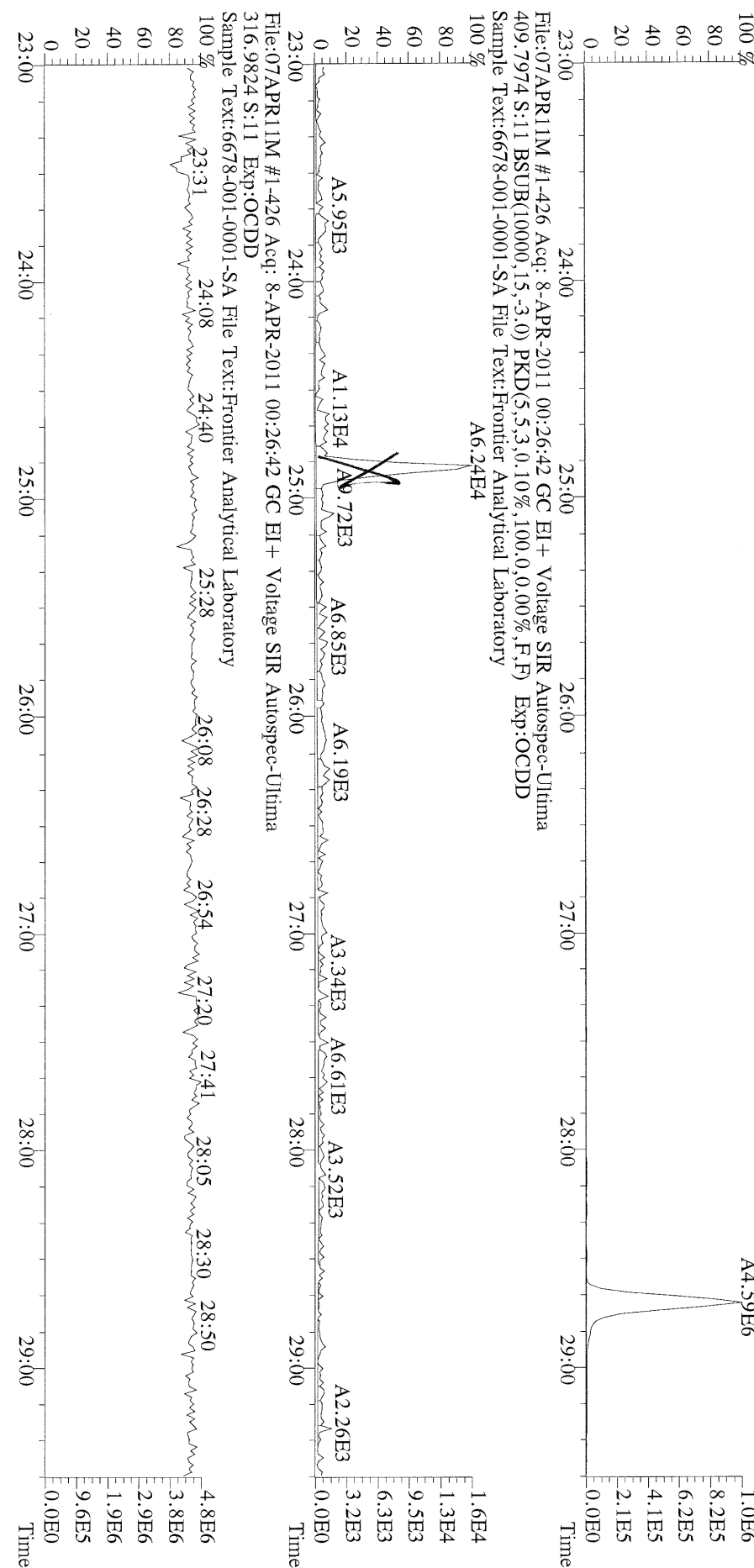
File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI + Voltage SIR Autospec-Ultima
375.8364 S:11 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00% F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory

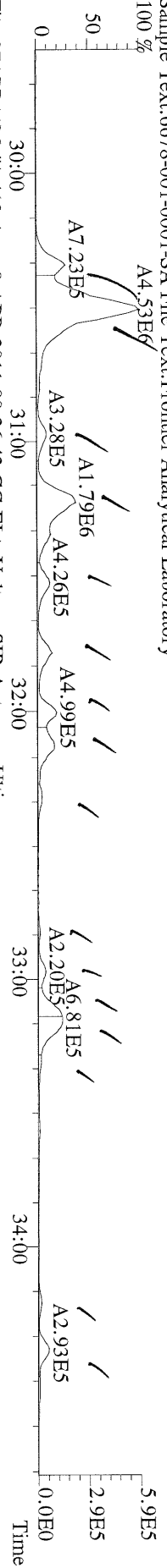


File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory

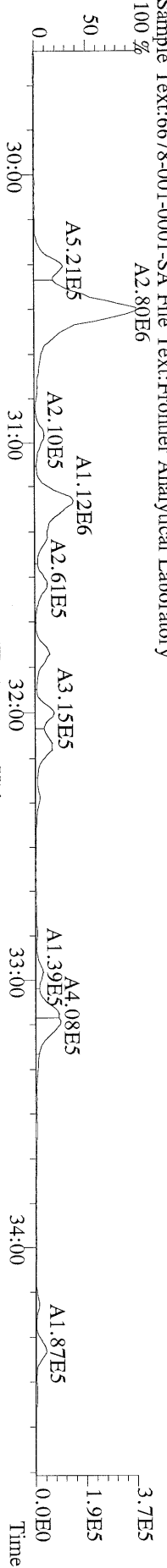


File:07APR11M #1-426 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:11 Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory

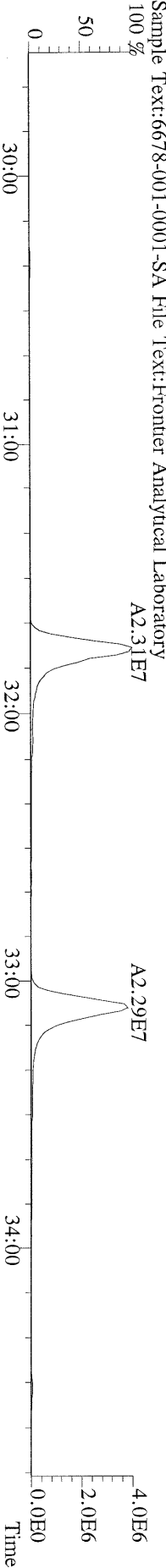
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



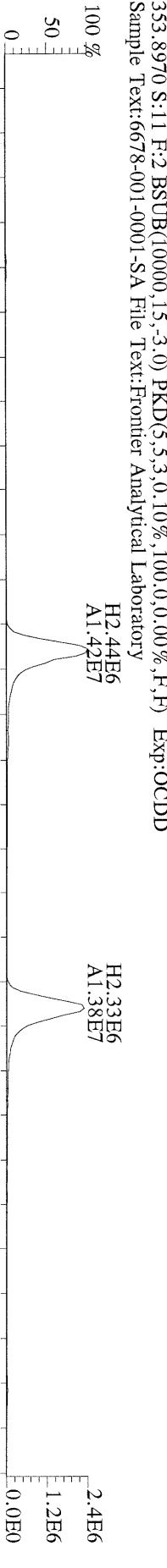
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



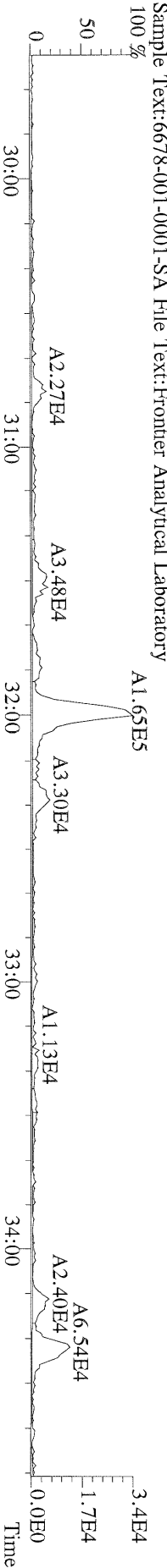
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



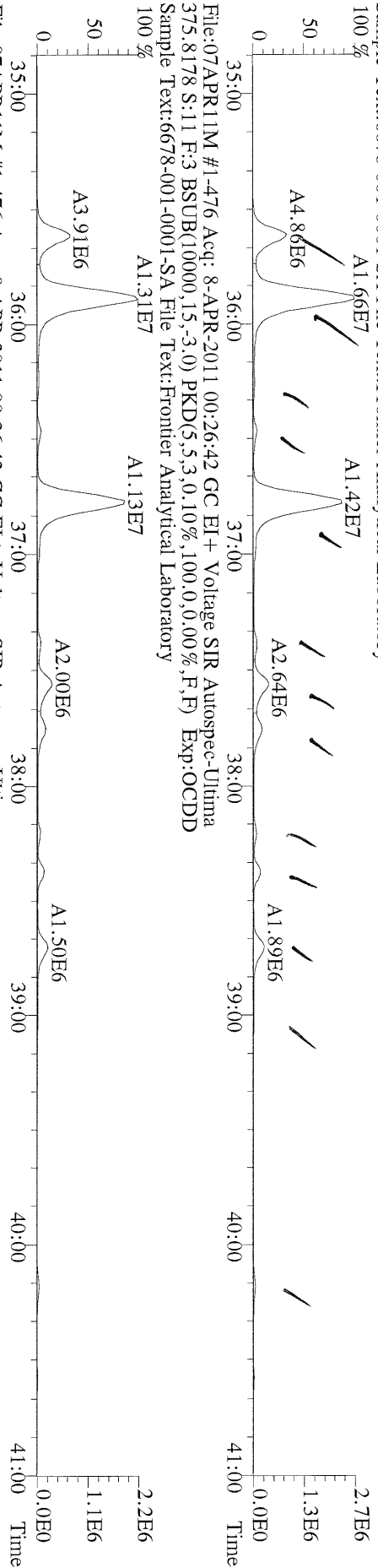
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



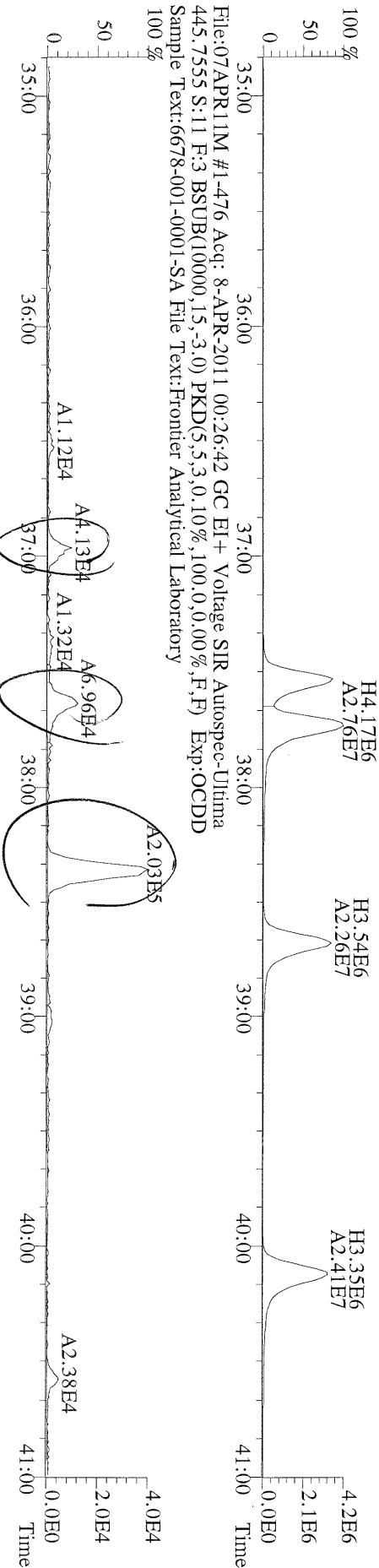
File:07APR11M #1-412 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



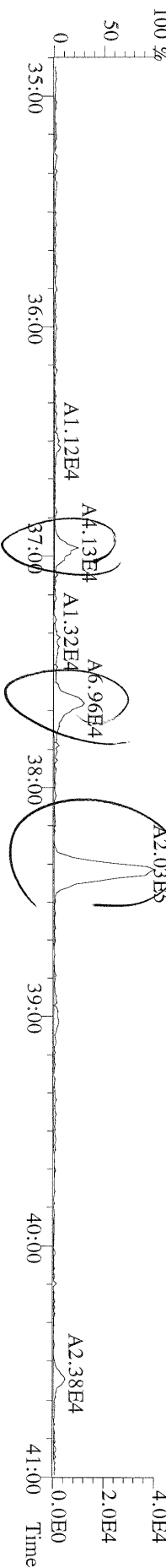
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



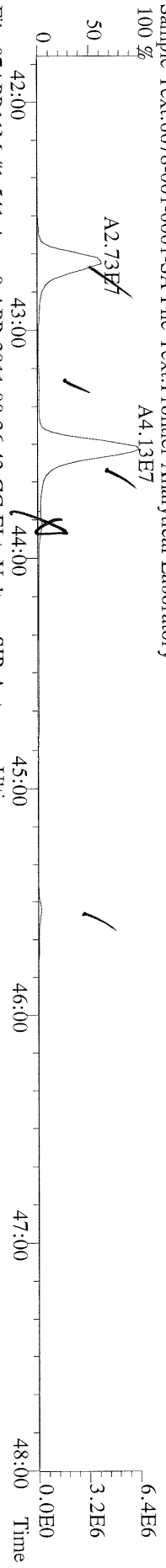
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



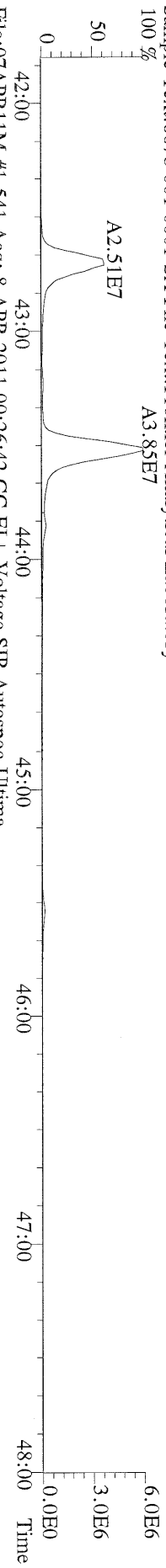
File:07APR11M #1-476 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



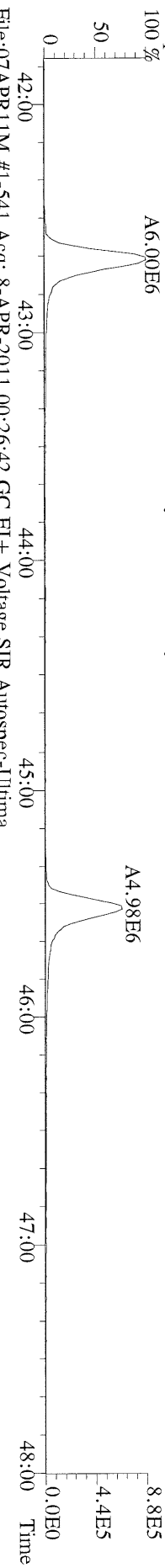
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



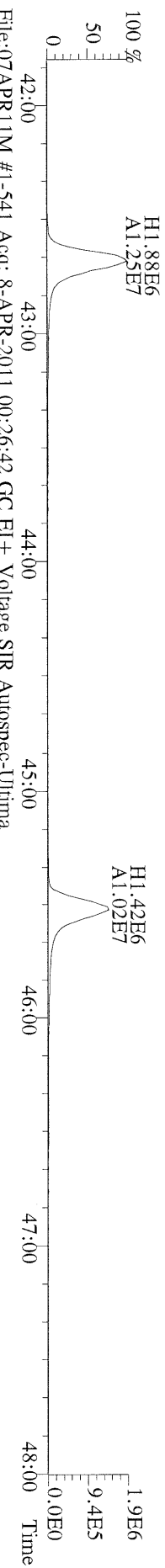
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



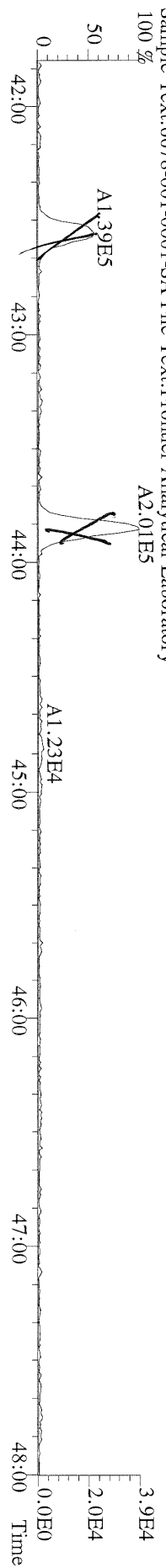
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



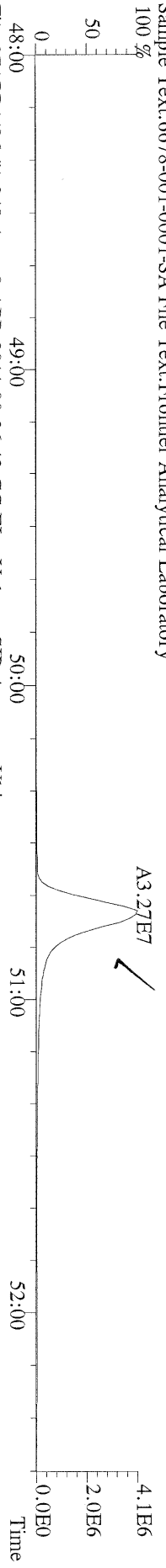
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



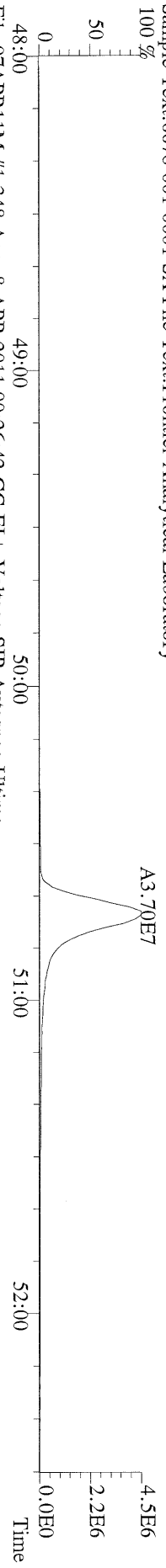
File:07APR11M #1-541 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



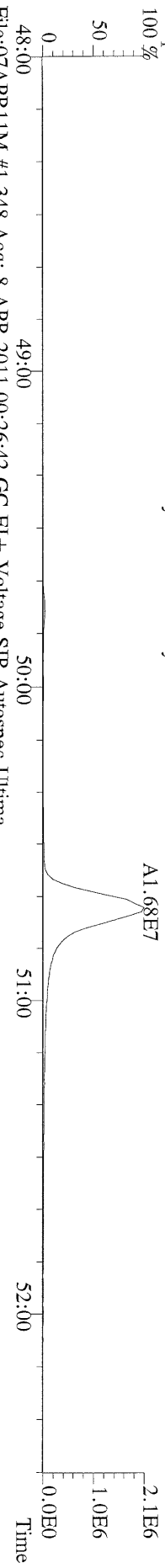
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



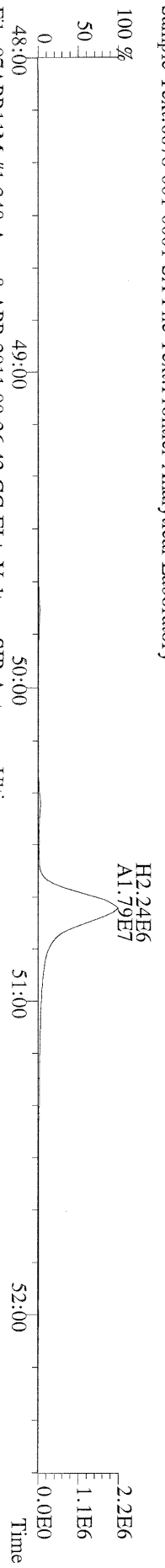
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



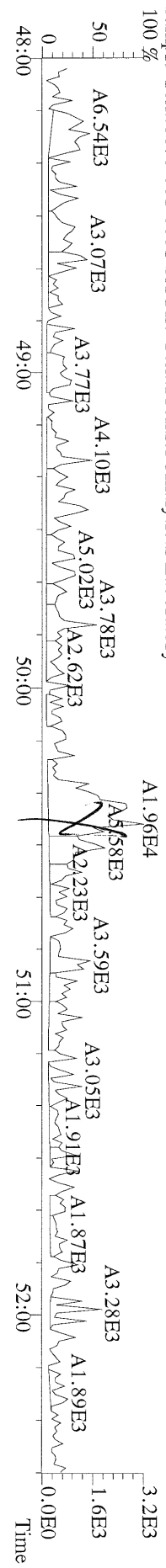
File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-348 Acq: 8-APR-2011 00:26:42 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:11 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-001-0001-SA File Text:Frontier Analytical Laboratory



FAL ID: 6678-001-0001-SA Filename: 08APR11A Sam:5 Acquired: 8-APR-11 11:41:32 ICal: tcdfal1-2-18-11
Client ID: LL-SED3-0-36-031511 ConCal: ST040811A1 EndCal: ST040811A2
Results: 6678TCDF GC Column: DB225 Amount: 2.910

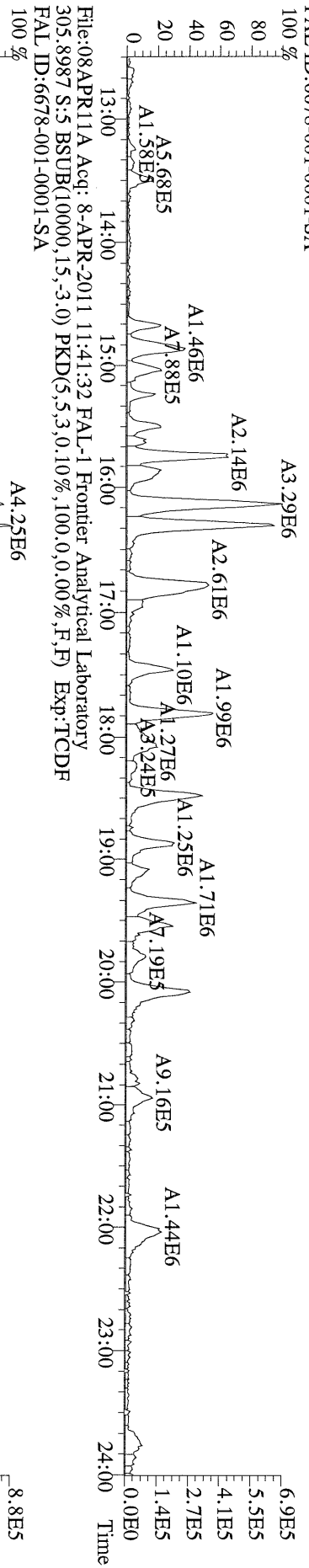
Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom
2,3,7,8-TCDF	4.11e+06	0.71 y	19:21	1.16	19.7		2.50	-	-	1
13C-2,3,7,8-TCDF	1.24e+08	0.81 y	19:20	1.05	601					
13C-1,2,3,4-TCDF	1.35e+08	0.81 y	16:46	-	26.2					

Rec
87.4

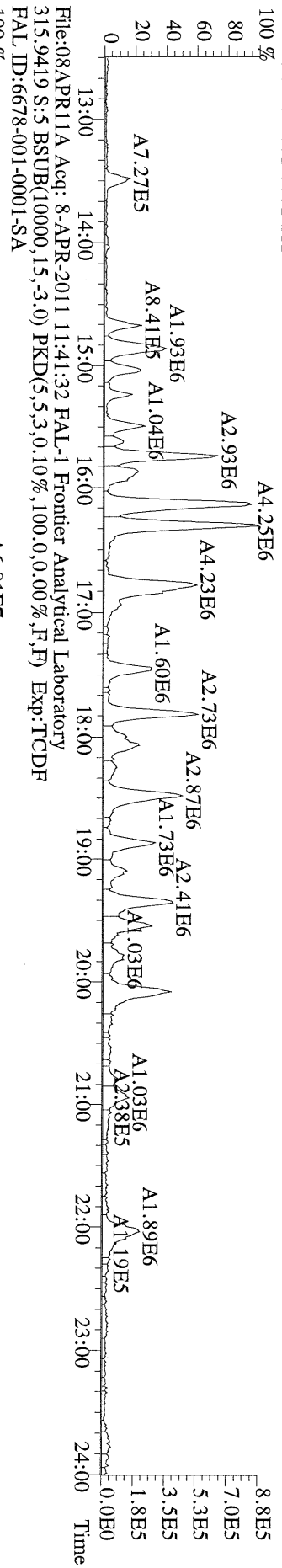
Analyst: 

Date: 4/8/11

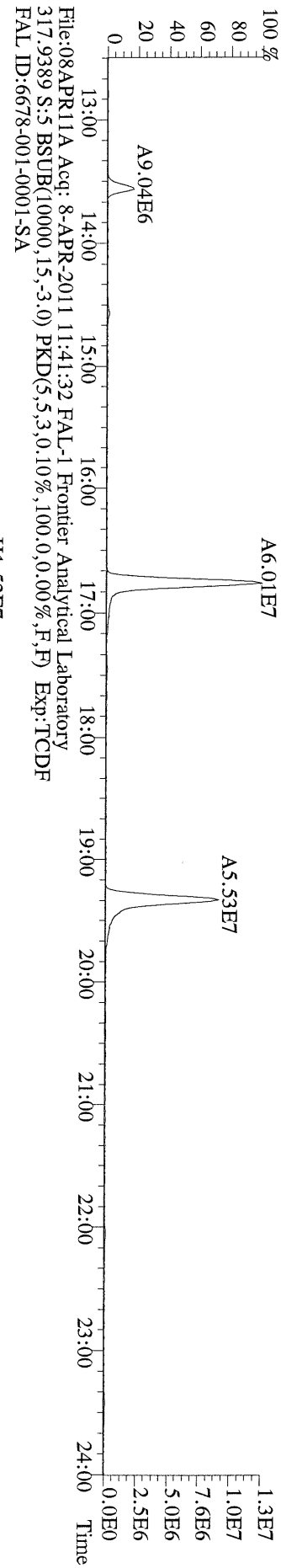
File:08APR11A Acq: 8-APR-2011 11:41:32 FAL-1 Frontier Analytical Laboratory
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:TCDF
FAL ID:6678-001-0001-SA



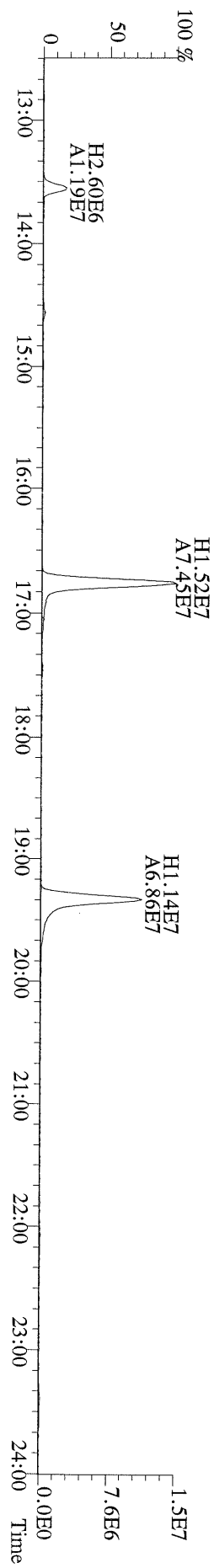
File:08APR11A Acq: 8-APR-2011 11:41:32 FAL-1 Frontier Analytical Laboratory
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:TCDF
FAL ID:6678-001-0001-SA



File:08APR11A Acq: 8-APR-2011 11:41:32 FAL-1 Frontier Analytical Laboratory
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:TCDF
FAL ID:6678-001-0001-SA



File:08APR11A Acq: 8-APR-2011 11:41:32 FAL-1 Frontier Analytical Laboratory
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0%,F,F) Exp:TCDF
FAL ID:6678-001-0001-SA



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Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	768	780	0.217		
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	856	832	0.294		
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	1100	960	0.296		
1,2,3,6,7,8-HxCDD	4.90e+04	1.20 y	39:01	1.45	0.608	J	2.50	-	-	*		
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	1100	960	0.335		
1,2,3,4,6,7,8-HpCDD	1.00e+06	0.89 y	44:28	1.30	14.9		2.50	-	-	*		
OCDD	6.54e+06	0.93 y	50:08	1.45	145		2.50	-	-	*		
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	1110	1140	0.182		
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	856	884	0.210		
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	856	884	0.220		
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.01	*		2.50	696	768	0.197		
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	696	768	0.195		
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	696	768	0.213		
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	696	768	0.198		
1,2,3,4,6,7,8-HpCDF	2.25e+05	1.07 y	42:34	1.48	2.80	J	2.50	-	-	*		
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	708	684	0.307		
OCDF	3.32e+05	0.90 y	50:31	0.84	7.00	J	2.50	-	-	*		
13C-2,3,7,8-TCDD	2.97e+07	0.74 y	27:35	1.03	367						90.8	
13C-1,2,3,7,8-PeCDD	3.10e+07	1.75 y	33:27	1.01	389						96.4	
13C-1,2,3,4,7,8-HxCDD	2.41e+07	1.30 y	38:50	1.19	311						77.0	
13C-1,2,3,6,7,8-HxCDD	2.24e+07	1.30 y	39:00	0.94	368						91.0	
13C-1,2,3,4,6,7,8-HpCDD	2.08e+07	1.05 y	44:27	0.83	387						95.8	
13C-OCDD	2.52e+07	0.96 y	50:07	0.61	637						78.8	
13C-2,3,7,8-TCDF	4.94e+07	0.86 y	26:50	0.98	391						96.7	
13C-1,2,3,7,8-PeCDF	4.81e+07	1.63 y	31:43	0.83	449						111	
13C-2,3,4,7,8-PeCDF	4.61e+07	1.64 y	33:02	0.80	445						110	
13C-1,2,3,4,7,8-HxCDF	3.82e+07	0.48 y	37:27	1.84	318						78.8	
13C-1,2,3,6,7,8-HxCDF	4.99e+07	0.48 y	37:38	2.29	334						82.7	
13C-2,3,4,6,7,8-HxCDF	3.95e+07	0.47 y	38:35	1.86	325						80.5	
13C-1,2,3,7,8,9-HxCDF	4.30e+07	0.48 y	40:02	1.98	333						82.4	
13C-1,2,3,4,6,7,8-HpCDF	2.19e+07	0.47 y	42:33	0.99	341						84.3	
13C-1,2,3,4,7,8,9-HpCDF	2.08e+07	0.49 y	45:23	0.77	416						103	
13C-OCDF	4.55e+07	0.92 y	50:29	1.17	599						74.1	
37Cl-2,3,7,8-TCDD	8.44e+06		27:36	0.73	147						90.8	
13C-1,2,3,4-TCDD	3.19e+07	0.75 y	26:60	-	16.9							
13C-1,2,3,4-TCDF	5.21e+07	0.87 y	25:45	-	14.6							
13C-1,2,3,7,8,9-HxCDD	2.63e+07	1.30 y	39:27	-	21.4							
Total Tetra-Dioxins	7.84e+04		24:35	1.13	0.939	J	2.50	-	-	*		2
Total Penta-Dioxins	9.07e+04		30:27	1.02	1.16	J	2.50	-	-	*		1
Total Hexa-Dioxins	4.80e+05		36:24	1.46	5.74		2.50	-	-	*		4
Total Hepta-Dioxins	2.23e+06		43:06	1.30	33.2		2.50	-	-	*		2
Total Tetra-Furans	4.08e+05		23:13	1.15	2.91		2.50	-	-	*		2
1st Fn. Tot Penta-Furans	6.23e+04		28:41	0.89	0.601	J	2.50	-	-	*	PeCDF	1
Total Penta-Furans	4.62e+04		30:28	0.89	0.446	J	2.50	-	-	*	1.05	1
Total Hexa-Furans	3.04e+05		35:31	1.00	2.88	J	2.50	-	-	*		3
Total Hepta-Furans	5.92e+05		42:34	1.46	7.57		2.50	-	-	*		2

Analyst: *[Signature]*

Date: 4/8/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 18

File: 07APR11M

S: 10 I: 1 F: 1

Acquired: 7-APR-11 23:31:19

Total Concentration: 0.939

Unnamed Concentration: 0.939

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:35	1.84e+04	2.63e+04	0.70 y	4.47e+04	0.536	
24:53	1.52e+04	1.85e+04	0.82 y	3.36e+04	0.403	

Totals class: Total Penta-Dioxins Entry #: 39

Run: 18 File: 07APR11M S: 10 I: 1 F: 2
Acquired: 7-APR-11 23:31:19

Total Concentration: 1.16 Unnamed Concentration: 1.163

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
30:27	5.18e+04	3.89e+04	1.33 y	9.07e+04	1.16

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 18

File: 07APR11M

S: 10 I: 1 F: 3

Acquired: 7-APR-11 23:31:19

Total Concentration: 5.74

Unnamed Concentration: 5.134

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:24	1.24e+05	9.70e+04	1.28 y	2.21e+05	2.64	
37:20	1.95e+04	1.58e+04	1.24 y	3.53e+04	0.421	
37:45	1.01e+05	7.34e+04	1.38 y	1.74e+05	2.08	
39:01	2.68e+04	2.23e+04	1.20 y	4.90e+04	0.608	1,2,3,6,7,8-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 18

File: 07APR11M

S: 10 I: 1 F: 4

Acquired: 7-APR-11 23:31:19

Total Concentration: 33.2

Unnamed Concentration: 18.325

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:06	5.83e+05	6.46e+05	0.90 y	1.23e+06	18.3	
44:28	4.70e+05	5.31e+05	0.89 y	1.00e+06	14.9	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 18

File: 07APR11M

S: 10 I: 1 F: 1

Acquired: 7-APR-11 23:31:19

Total Concentration: 2.91

Unnamed Concentration: 2.910

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
23:13	3.36e+04	4.28e+04 0.78 y	7.64e+04	0.545	
24:00	1.36e+05	1.95e+05 0.70 y	3.32e+05	2.36	

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

Run: 18 File: 07APR11M S: 10 I: 1 F: 1
Acquired: 7-APR-11 23:31:19

Total Concentration: 0.601 Unnamed Concentration: 0.601

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:41	3.66e+04	2.57e+04	1.42 y	6.23e+04	0.601	

Totals class: Total Penta-Furans

Entry #: 44

Run: 18

File: 07APR11M

S: 10 I: 1 F: 2

Acquired: 7-APR-11 23:31:19

Total Concentration: 0.446

Unnamed Concentration: 0.446

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
30:28	2.67e+04	1.95e+04	1.36 y	4.62e+04	0.446

Totals class: Total Hexa-Furans

Entry #: 45

Run: 18

File: 07APR11M

S: 10 I: 1 F: 3

Acquired: 7-APR-11 23:31:19

Total Concentration: 2.88

Unnamed Concentration: 2.883

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:31	2.65e+04	2.30e+04	1.15 y	4.95e+04	0.469	
35:47	7.28e+04	5.74e+04	1.27 y	1.30e+05	1.23	
36:42	6.73e+04	5.72e+04	1.18 y	1.25e+05	1.18	

Totals class: Total Hepta-Furans

Entry #: 46

Run: 18

File: 07APR11M

S: 10 I: 1 F: 4

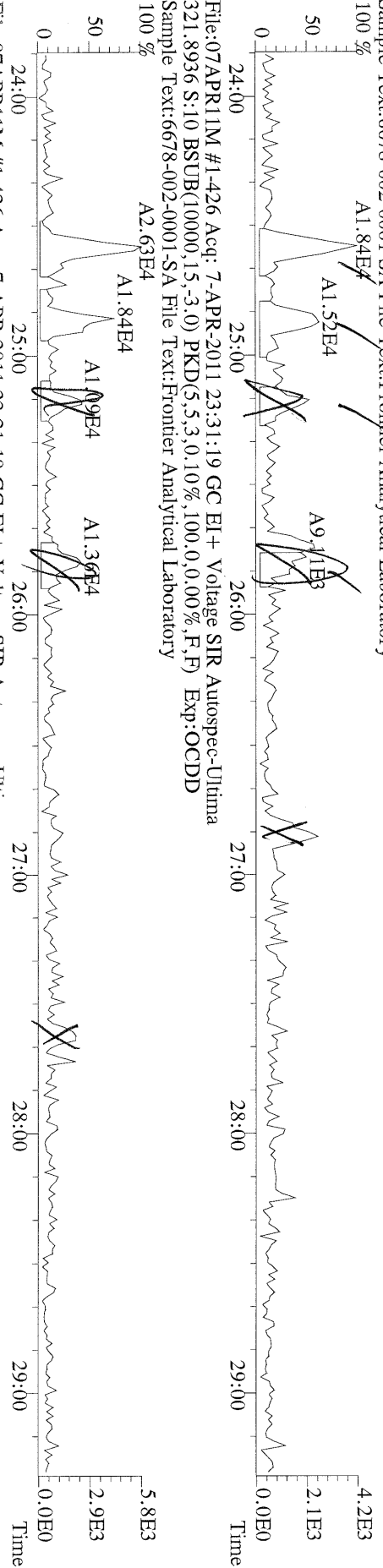
Acquired: 7-APR-11 23:31:19

Total Concentration: 7.57

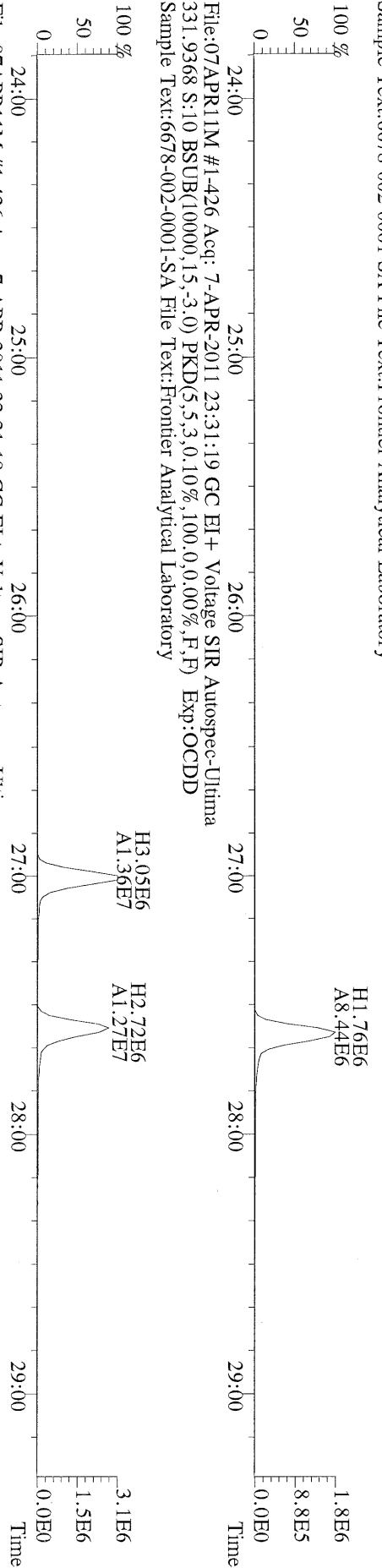
Unnamed Concentration: 4.771

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:34	1.16e+05	1.09e+05	1.07 y	2.25e+05	2.80	1,2,3,4,6,7,8-HpCDF
43:24	1.86e+05	1.81e+05	1.03 y	3.67e+05	4.77	

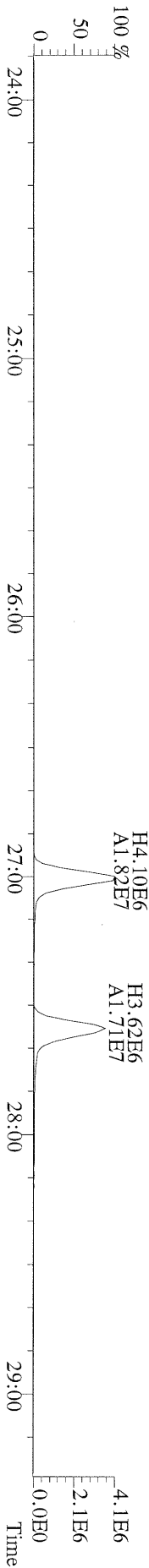
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319.8965 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



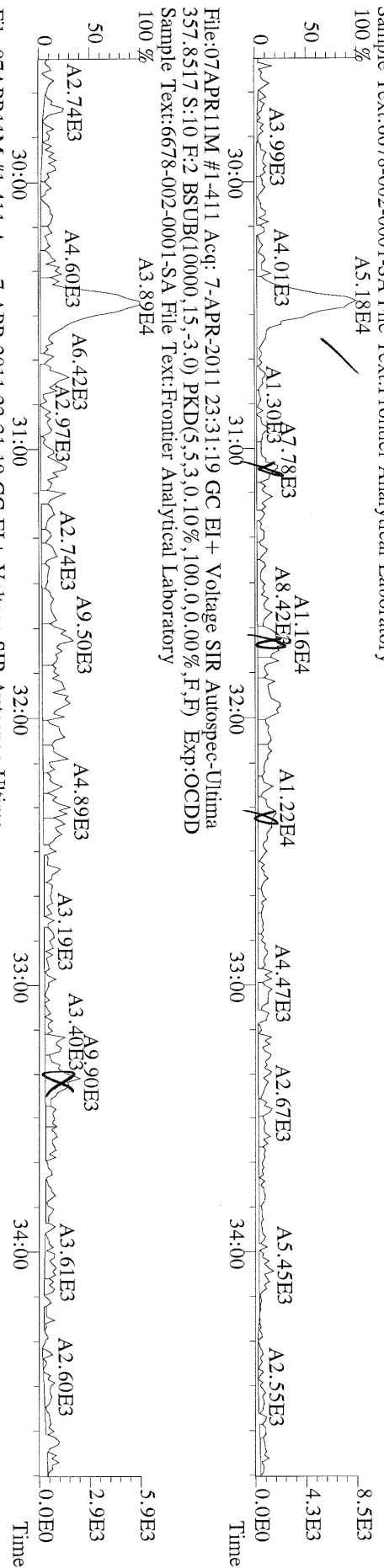
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327.8847 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



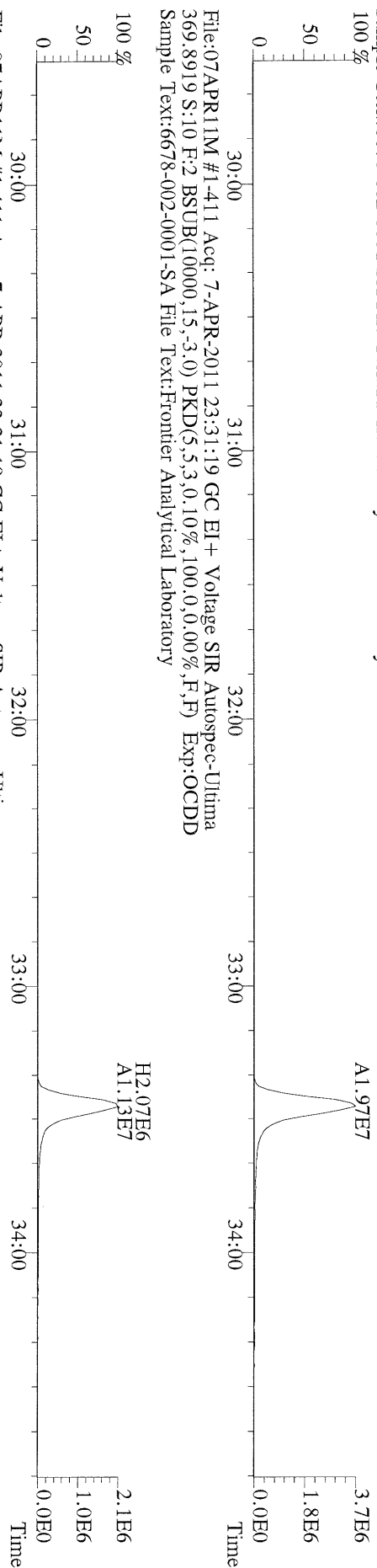
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333.9339 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



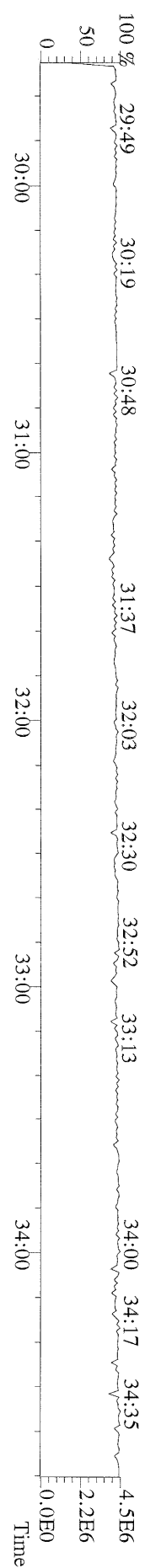
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 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



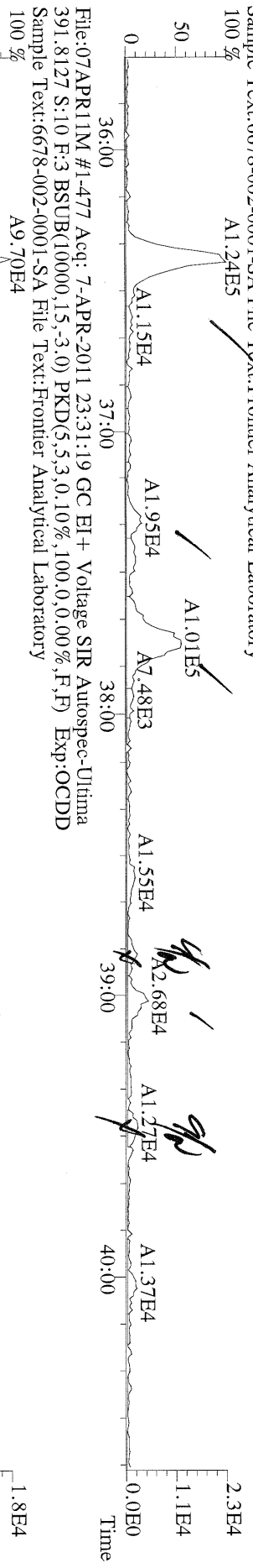
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 367.8949 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
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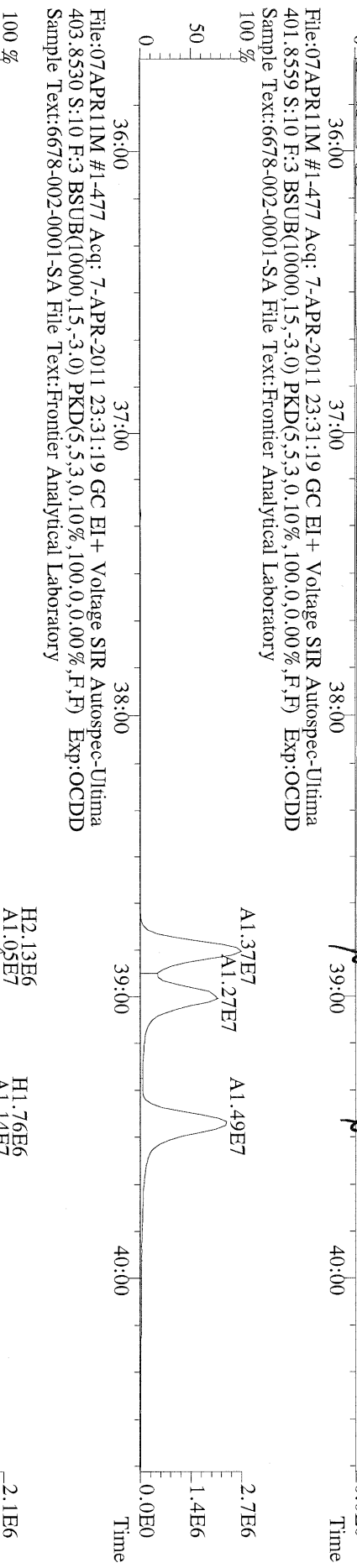
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 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



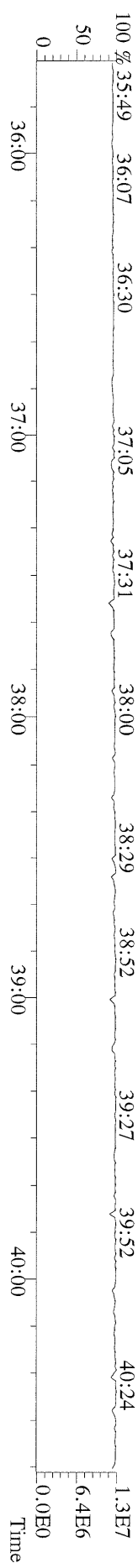
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 389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-477 Acq: 7-APR-2011 23:31:19 GC EI + Voltage SIR Autospec-Ultima
 401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-477 Acq: 7-APR-2011 23:31:19 GC EI + Voltage SIR Autospec-Ultima
 380.9760 S:10 F:3 Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



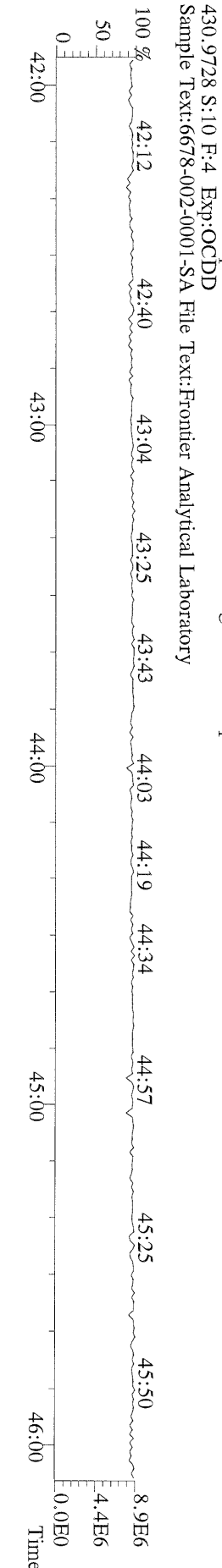
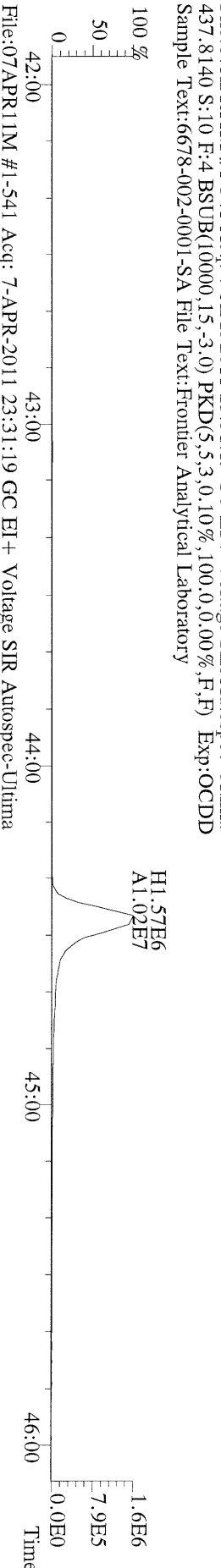
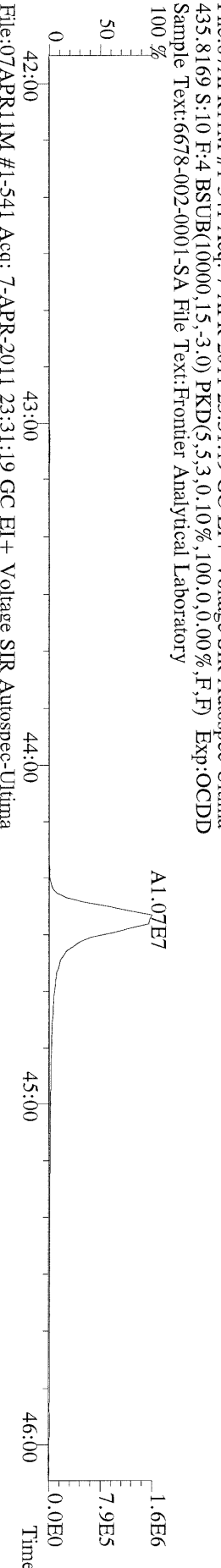
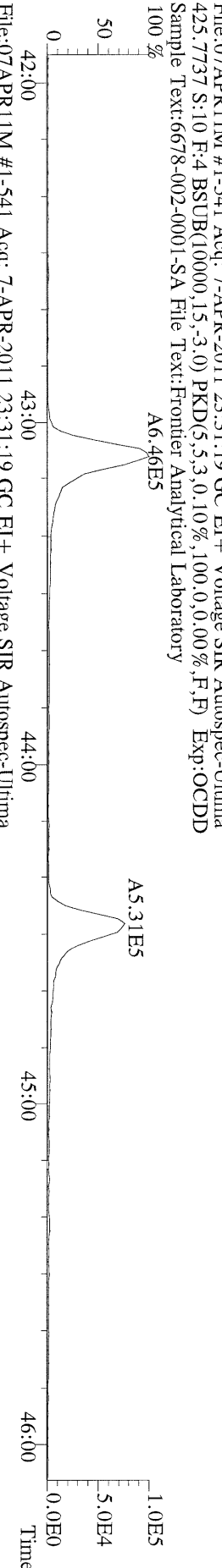
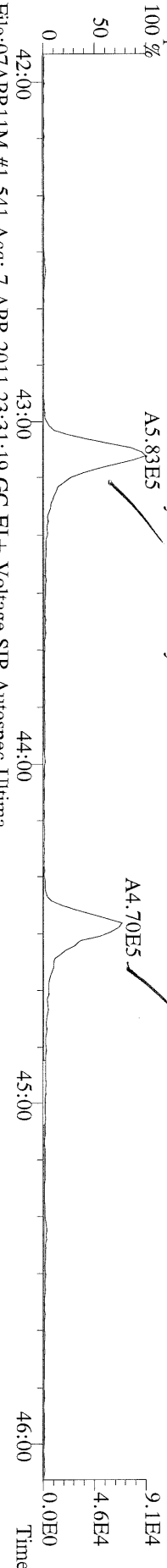
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423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory

File:07APR11M #1-541 Acq: 7-APR-2011 23:31:19 GC EI + Voltage SIR Autospec-Ultima
425.7737 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory

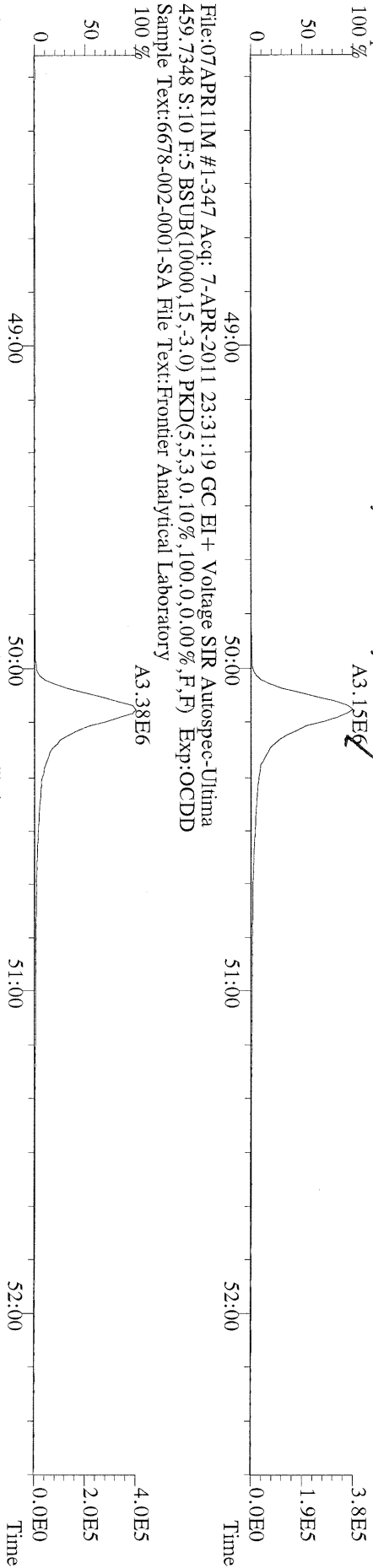
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435.8169 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory

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437.8140 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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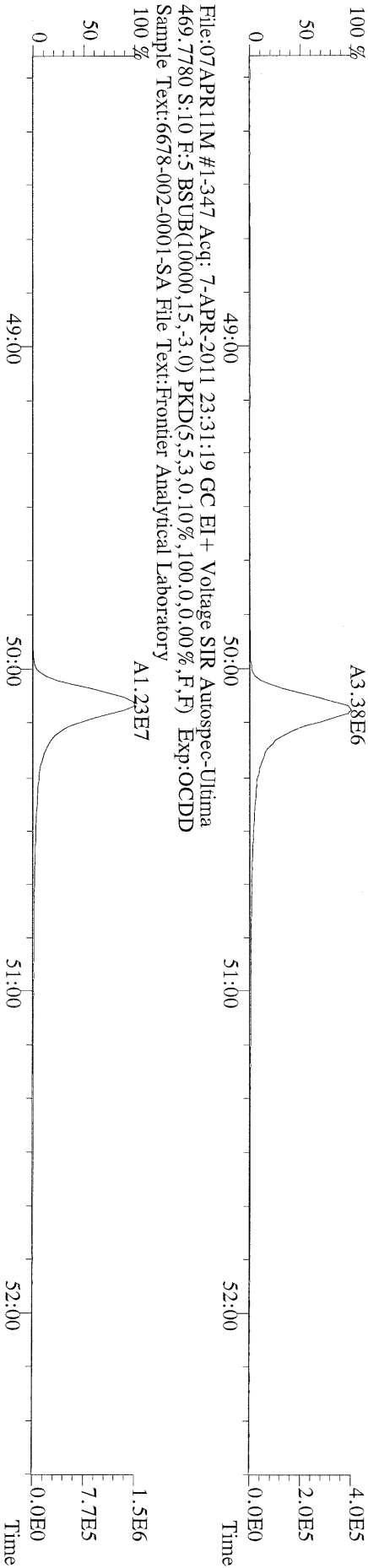
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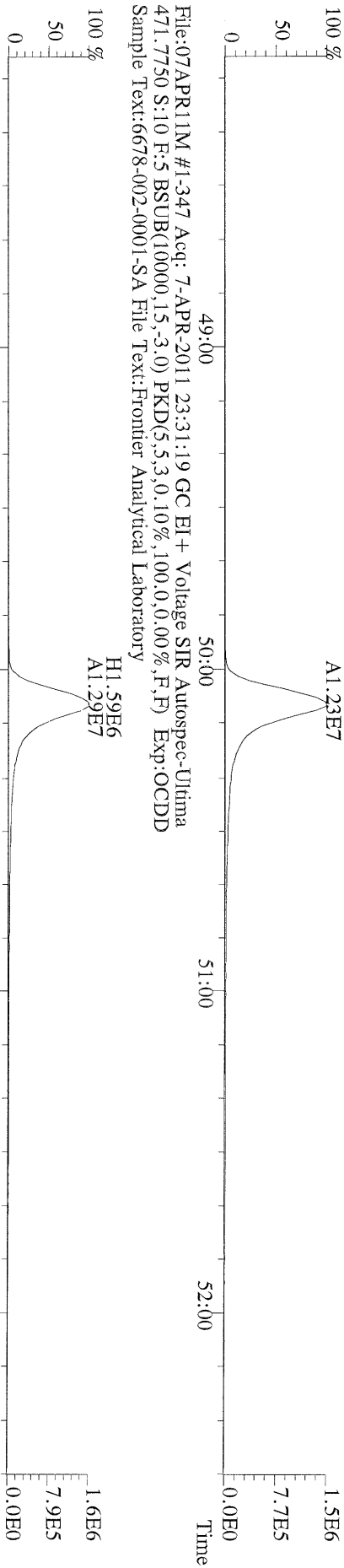
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457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
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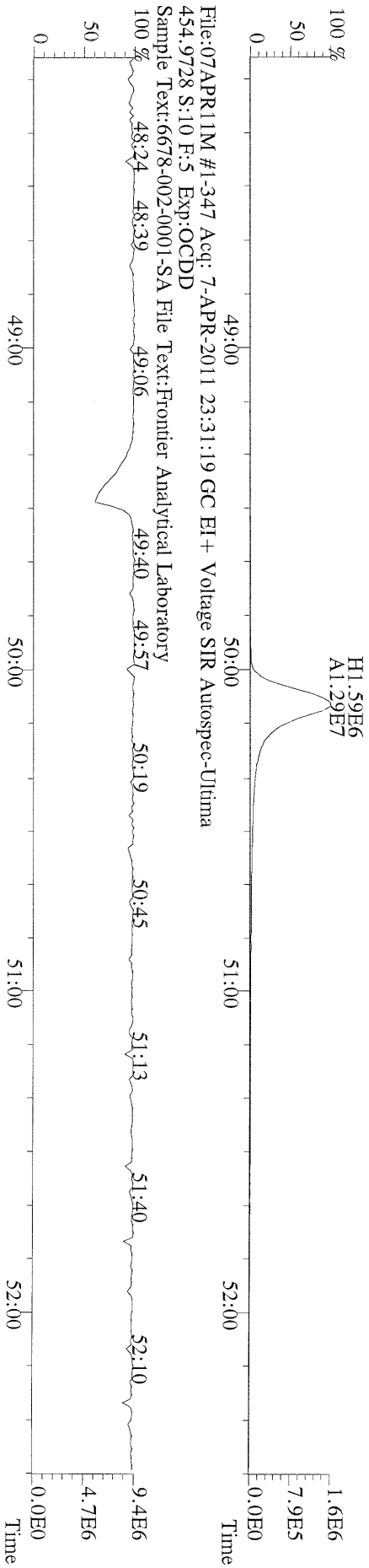
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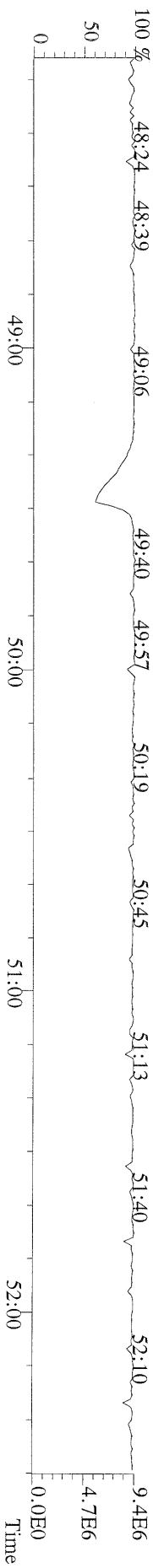
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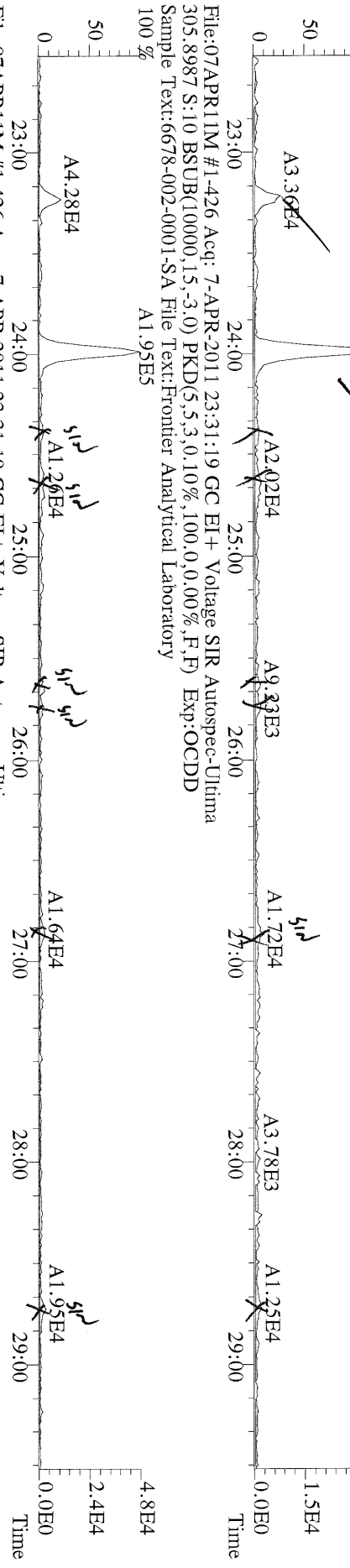
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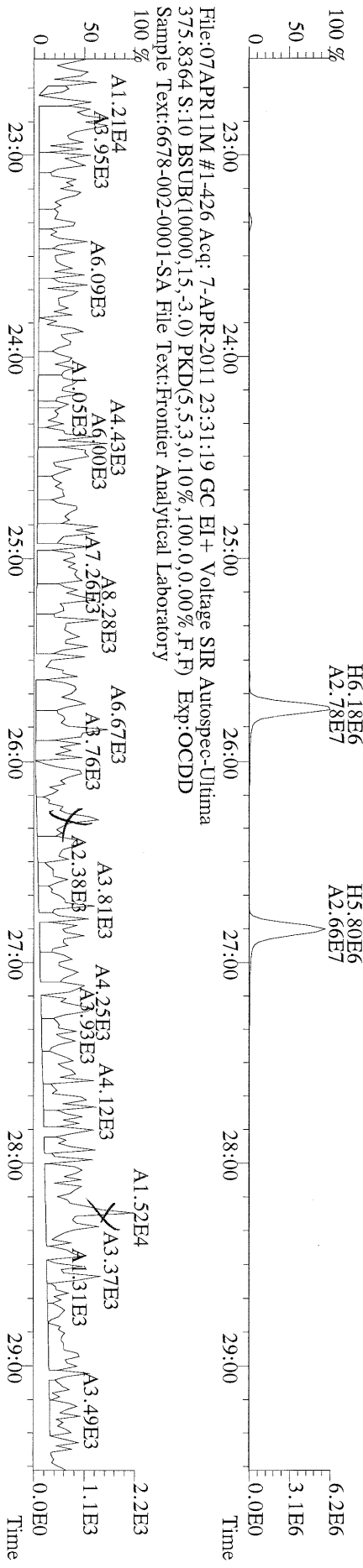
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Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



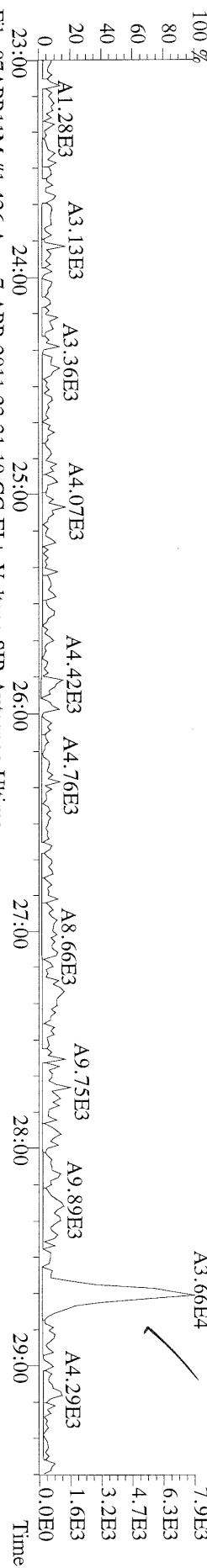
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 303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



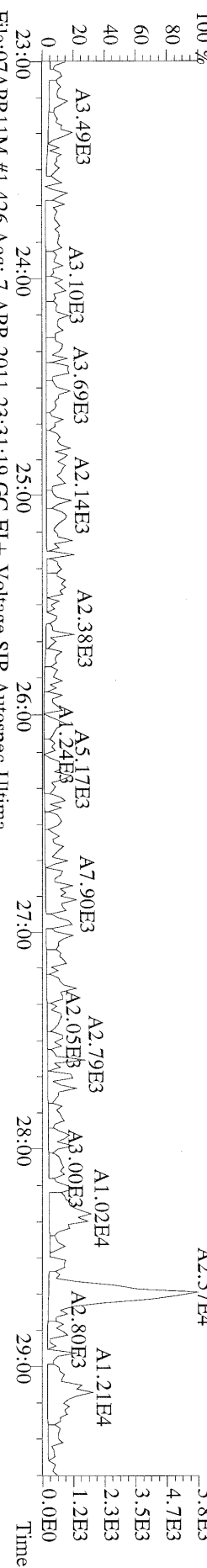
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 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory
 100 %



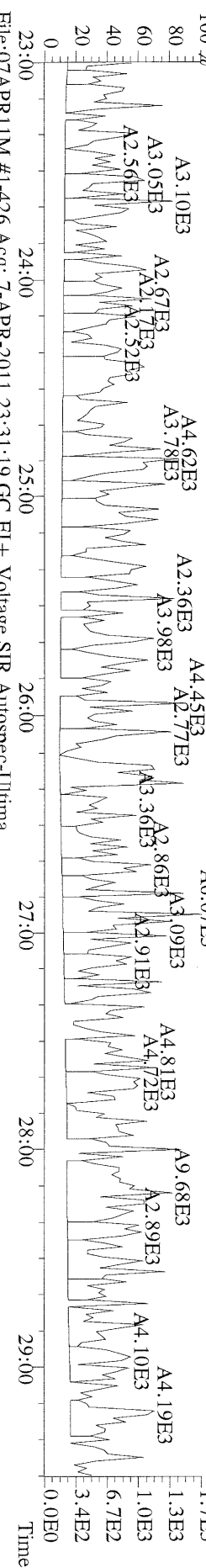
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 339.8597 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00% F,F) Exp:OCDD
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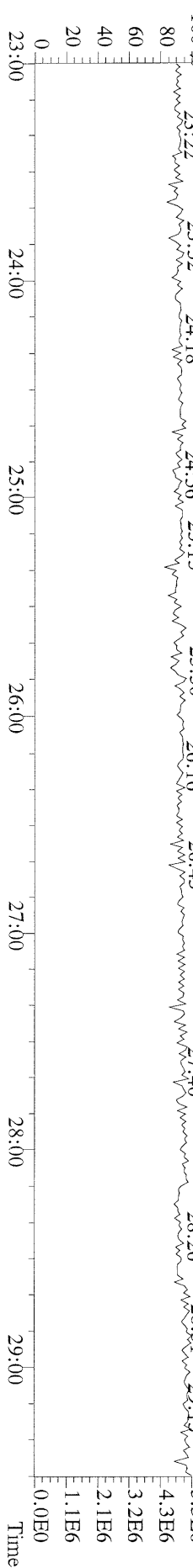
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 341.8568 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00% F,F) Exp:OCDD
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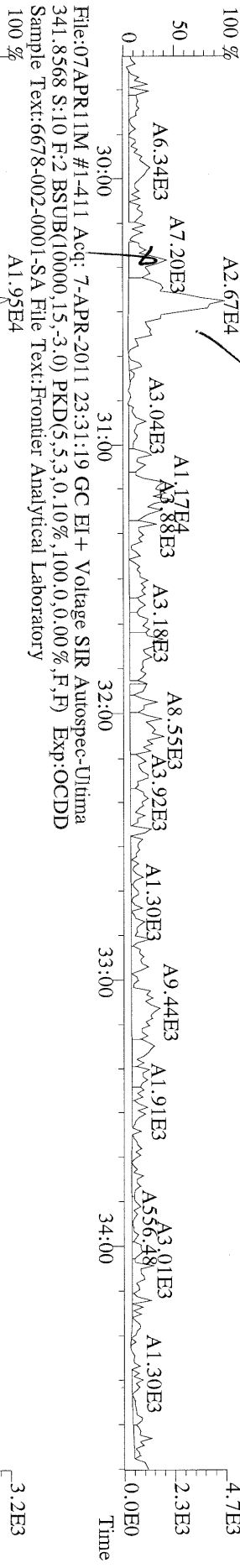
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 409.7974 S:10 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00% F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



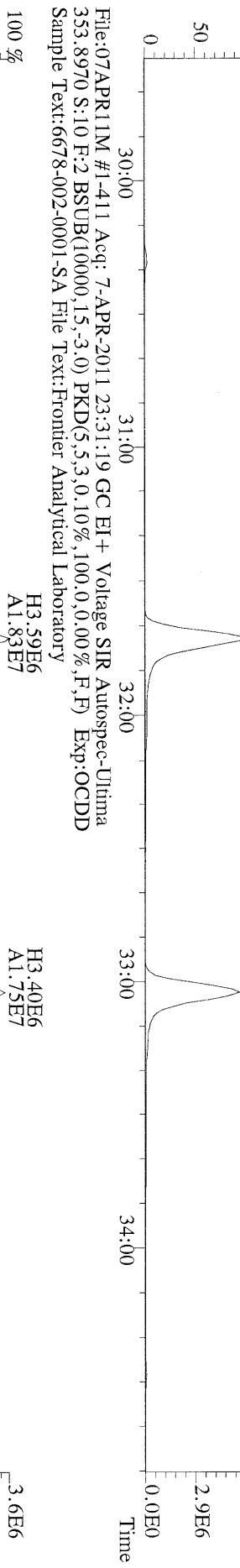
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 316.9824 S:10 Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



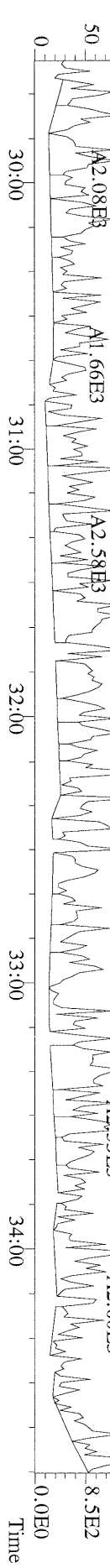
File:07APR11M #1-411 Acq: 7-APR-2011 23:31:19 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



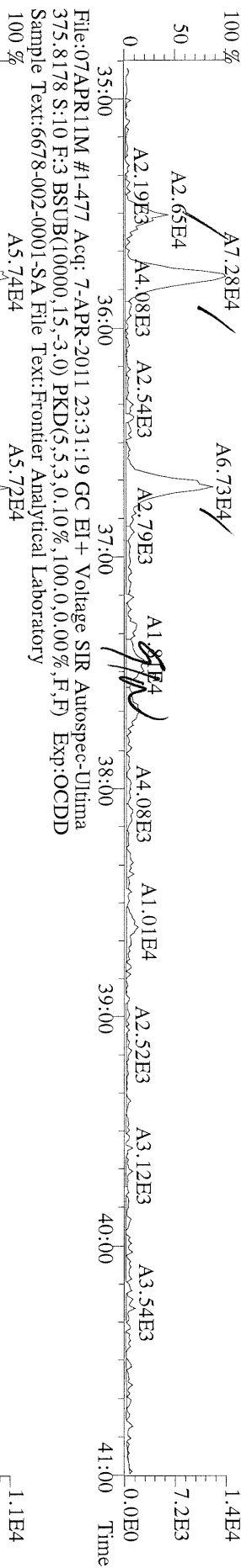
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 341.9000 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



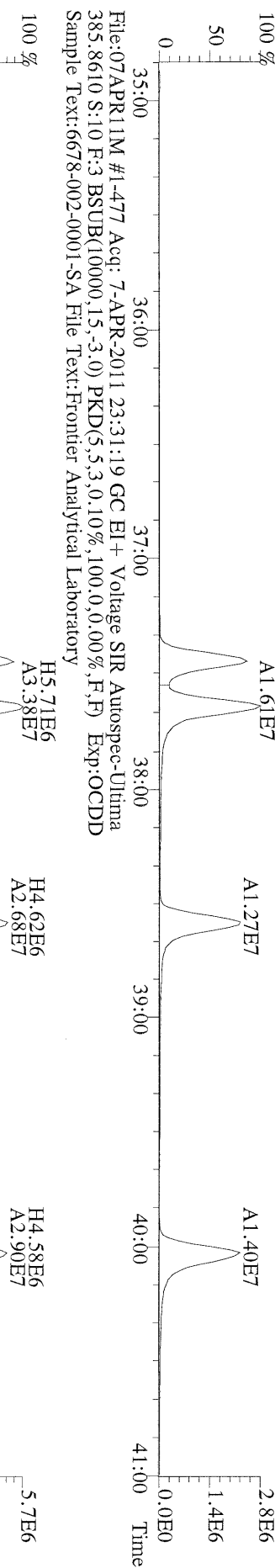
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 353.8970 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
 Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



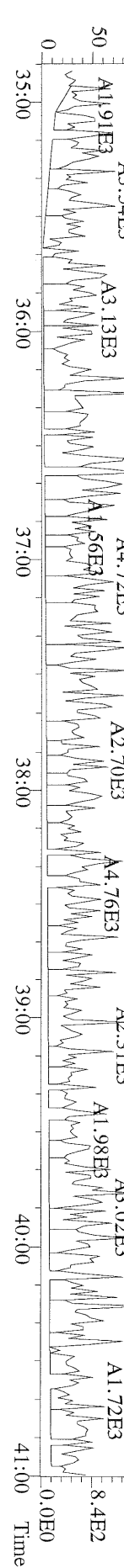
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373.8207 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



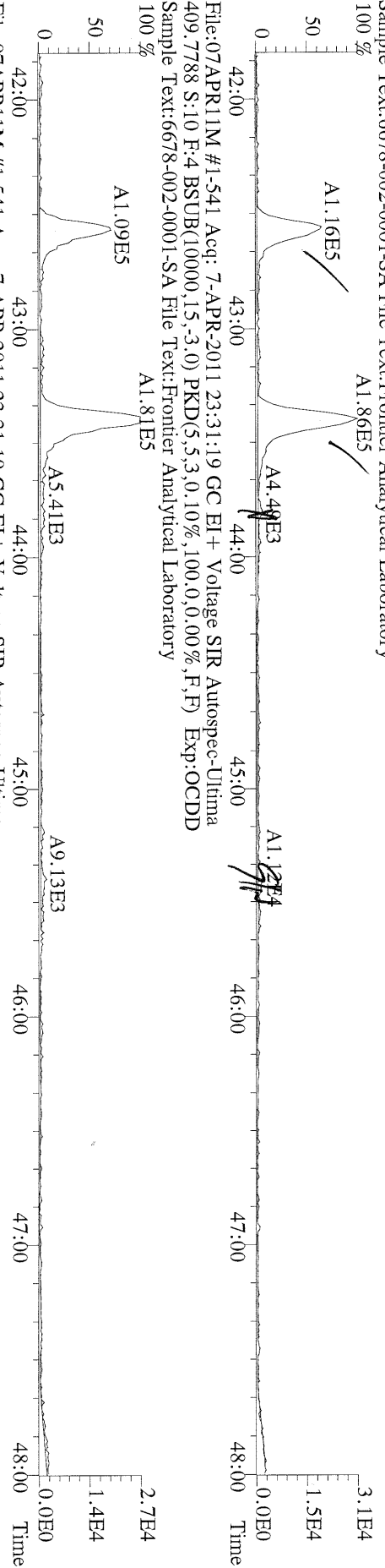
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383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



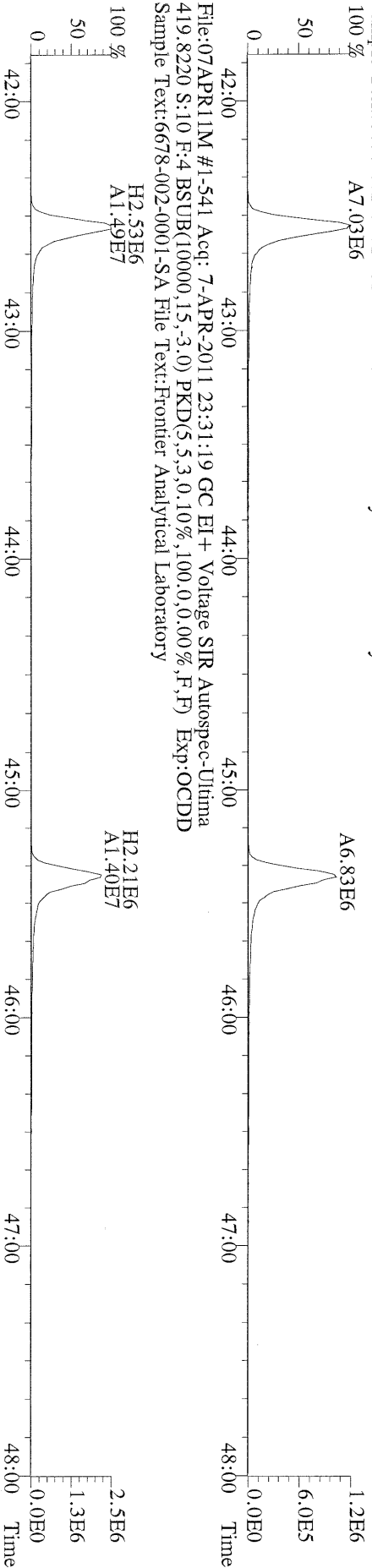
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445.7555 S:10 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



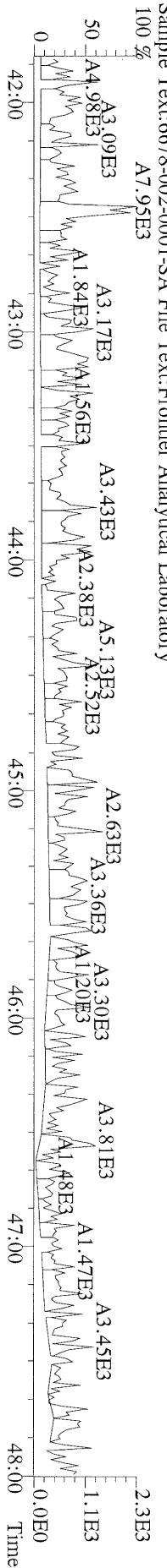
File:07APR11M #1-541 Acq: 7-APR-2011 23:31:19 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory
100%



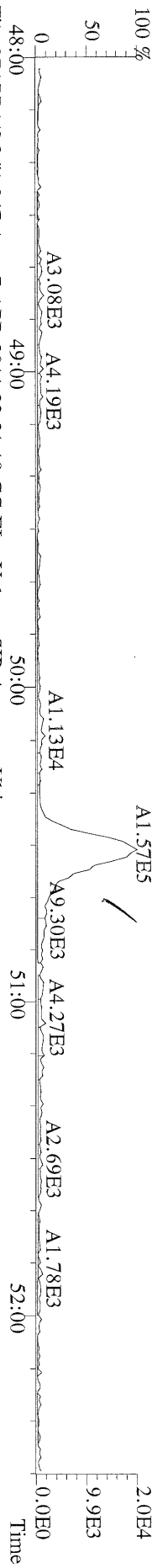
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Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory
100%



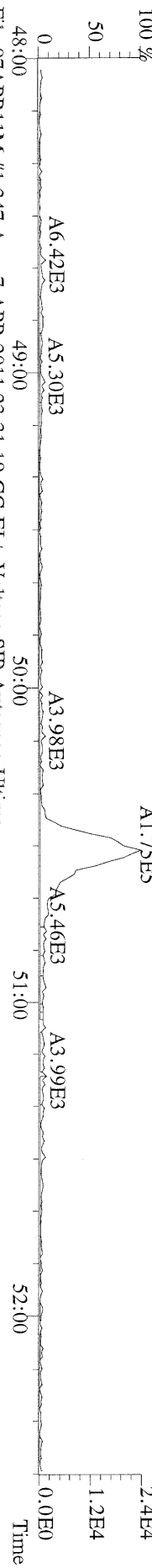
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419.8220 S:10 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory
100%



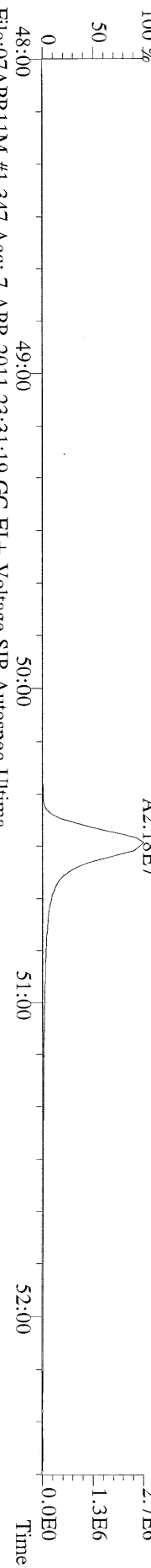
File:07APR11M #1-347 Acq: 7-APR-2011 23:31:19 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



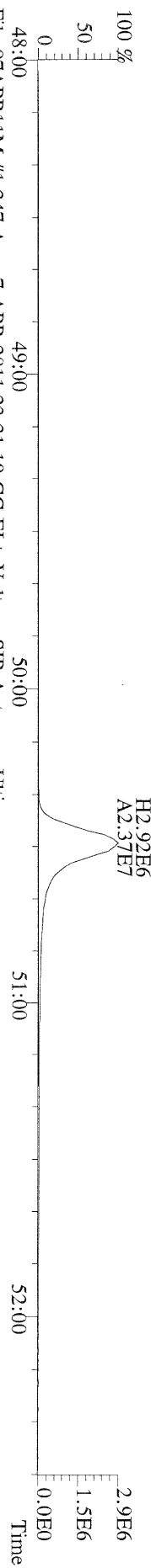
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443.7398 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



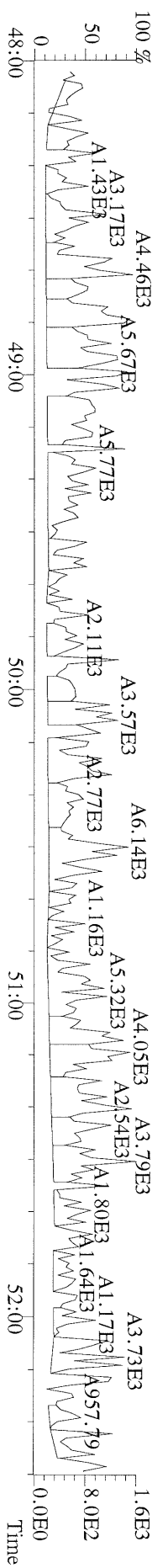
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453.7831 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 7-APR-2011 23:31:19 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 7-APR-2011 23:31:19 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-002-0001-SA File Text:Frontier Analytical Laboratory



DL
00446
E Alulu

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	932	860	0.930	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	808	820	1.16	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	908	944	1.05	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	908	944	1.27	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	908	944	1.14	
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.30	*		2.50	1030	1140	2.08	
OCDD	1.61e+05	1.01 y	50:06	1.45	14.8		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	1060	1090	0.668	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	816	872	0.835	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	816	872	0.855	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	1.01	*		2.50	808	696	0.812	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	808	696	0.752	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	808	696	0.820	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	808	696	0.796	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.48	*		2.50	844	744	1.13	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	844	744	1.54	
OCDF	*	* n	NotFnd	0.84	*		2.50	804	884	3.08	
										Rec	
13C-2,3,7,8-TCDD	9.36e+06	0.75 y	27:35	1.03	323					66.4	
13C-1,2,3,7,8-PeCDD	9.69e+06	1.77 y	33:28	1.01	341					70.0	
13C-1,2,3,4,7,8-HxCDD	7.71e+06	1.30 y	38:50	1.19	277					56.9	
13C-1,2,3,6,7,8-HxCDD	7.25e+06	1.28 y	39:00	0.94	331					68.1	
13C-1,2,3,4,6,7,8-HpCDD	6.49e+06	1.03 y	44:28	0.83	336					69.0	
13C-OCDD	7.29e+06	0.96 y	50:06	0.61	513					52.7	
13C-2,3,7,8-TCDF	1.53e+07	0.88 y	26:50	0.98	341					70.1	
13C-1,2,3,7,8-PeCDF	1.50e+07	1.67 y	31:44	0.83	394					80.9	
13C-2,3,4,7,8-PeCDF	1.46e+07	1.61 y	33:03	0.80	396					81.3	
13C-1,2,3,4,7,8-HxCDF	1.22e+07	0.47 y	37:28	1.84	283					58.1	
13C-1,2,3,6,7,8-HxCDF	1.61e+07	0.48 y	37:39	2.29	300					61.6	
13C-2,3,4,6,7,8-HxCDF	1.28e+07	0.49 y	38:36	1.86	294					60.3	
13C-1,2,3,7,8,9-HxCDF	1.38e+07	0.48 y	40:02	1.98	297					61.0	
13C-1,2,3,4,6,7,8-HpCDF	7.00e+06	0.49 y	42:34	0.99	303					62.3	
13C-1,2,3,4,7,8,9-HpCDF	6.04e+06	0.50 y	45:24	0.77	337					69.3	
13C-OCDF	1.36e+07	0.92 y	50:29	1.17	500					51.4	
37Cl-2,3,7,8-TCDD	2.48e+06		27:36	0.73	121					62.0	
13C-1,2,3,4-TCDD	1.37e+07	0.74 y	26:60	-	8.77						
13C-1,2,3,4-TCDF	2.23e+07	0.88 y	25:44	-	7.55						
13C-1,2,3,7,8,9-HxCDD	1.14e+07	1.29 y	39:28	-	11.2						
Total Tetra-Dioxins	*		NotFnd	1.13	*		2.50	932	860	0.930	0
Total Penta-Dioxins	*		NotFnd	1.02	*		2.50	808	820	1.16	0
Total Hexa-Dioxins	*		NotFnd	1.46	*		2.50	908	944	1.27	0
Total Hepta-Dioxins	*		NotFnd	1.30	*		2.50	1030	1140	2.08	0
Total Tetra-Furans	8.59e+04		23:58	1.15	2.37		2.50	-	-	*	1
1st Fn. Tot Penta-Furans	*		NotFnd	0.89	*		2.50	816	872	0.855	PeCDF 0
Total Penta-Furans	*		NotFnd	0.89	*		2.50	816	872	0.855	* 0
Total Hexa-Furans	*		NotFnd	1.00	*		2.50	808	696	0.820	0
Total Hepta-Furans	*		NotFnd	1.46	*		2.50	844	744	1.54	0

Analyst: 

Date: 4/8/11

Totals class: Total Tetra-Furans

Entry #: 42

Run: 17

File: 07APR11M

S: 9 I: 1 F: 1

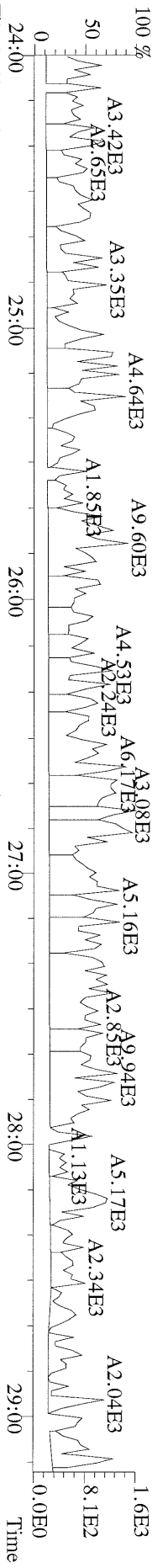
Acquired: 7-APR-11 22:36:00

Total Concentration: 2.37

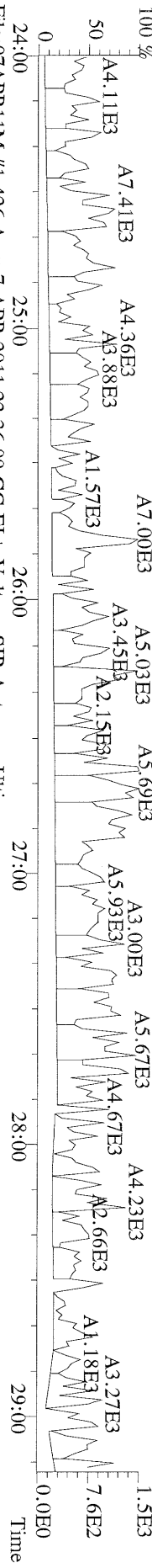
Unnamed Concentration: 2.374

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:58	3.63e+04	4.95e+04	0.73	y	8.59e+04	2.37

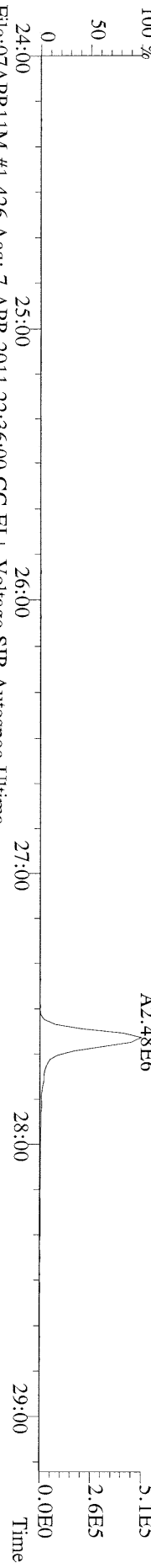
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Ultima
319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



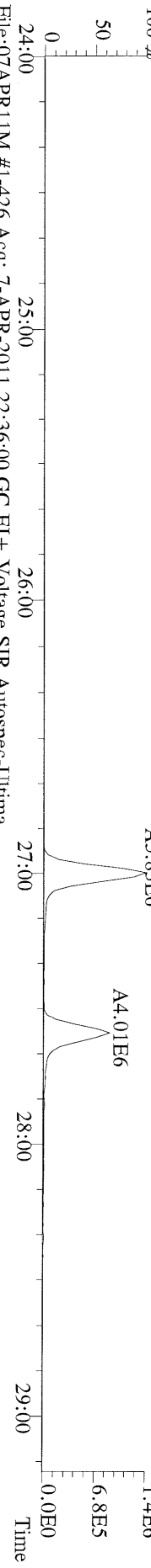
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321.8936 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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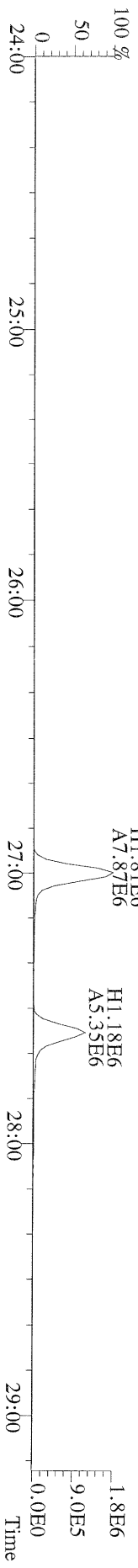
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327.8847 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



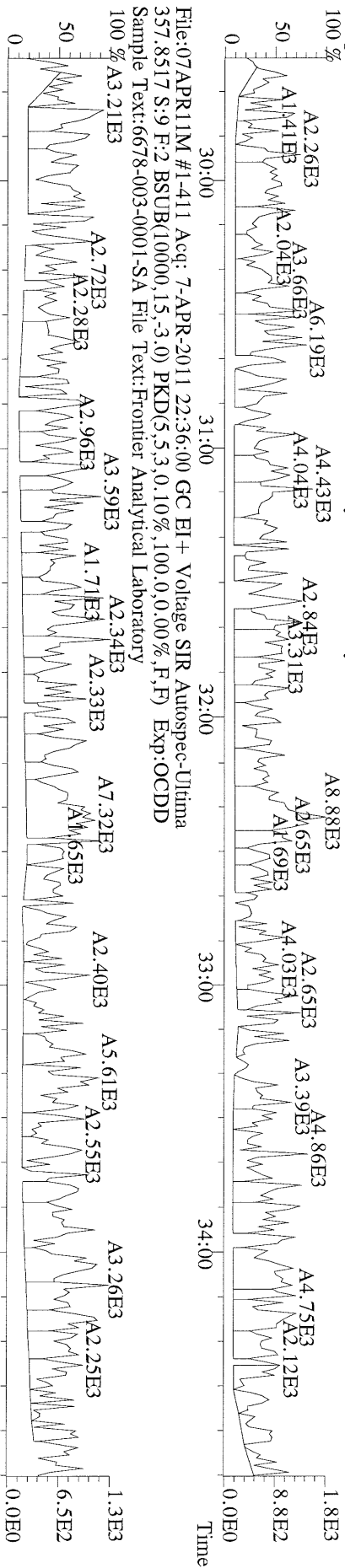
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331.9368 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



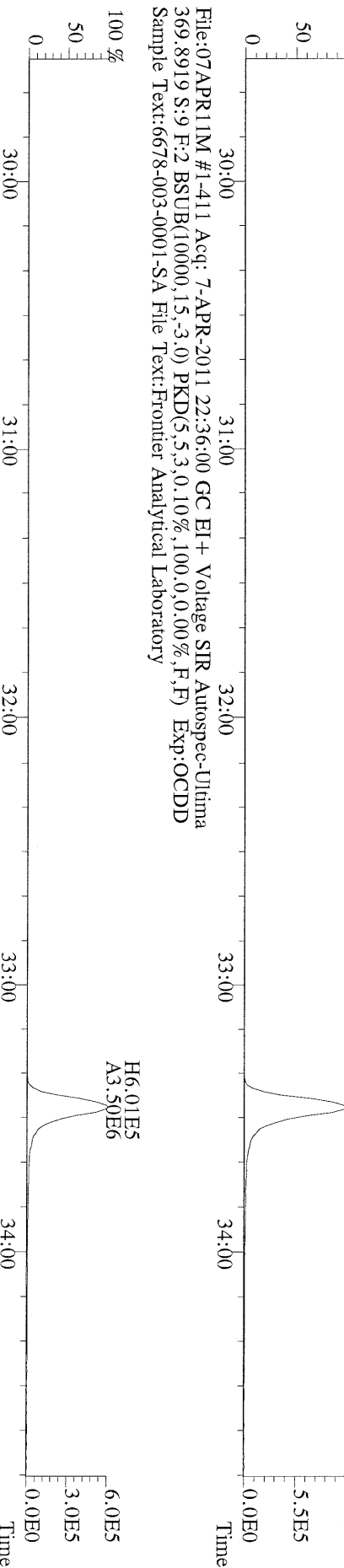
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333.9339 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



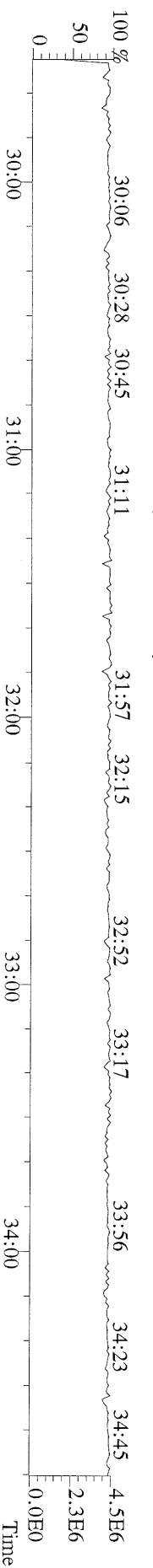
File:07APR11M #1-411 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:9 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



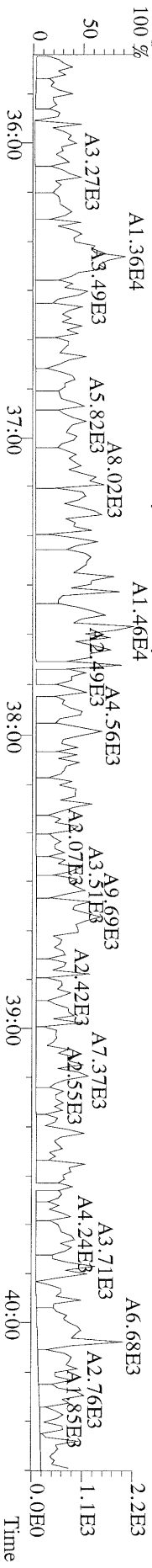
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367.8949 S:9 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



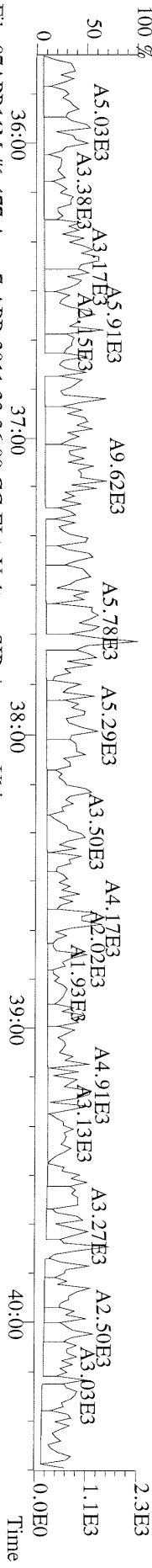
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366.9792 S:9 F:2 Exp:OCDD
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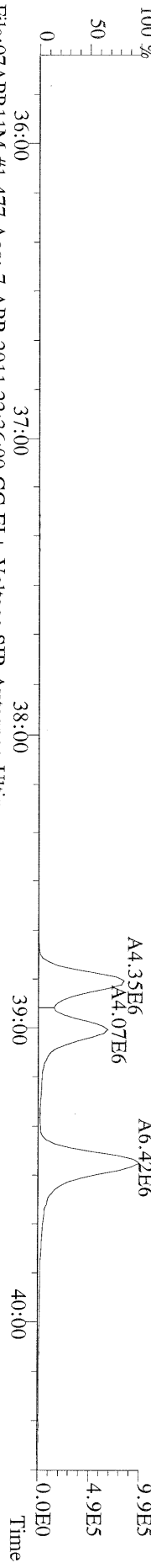
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



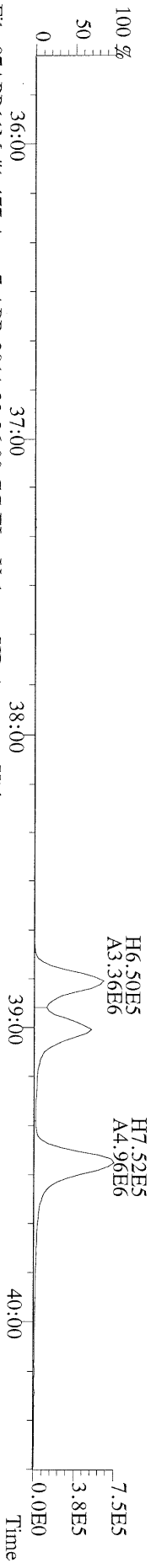
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 391.8127 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



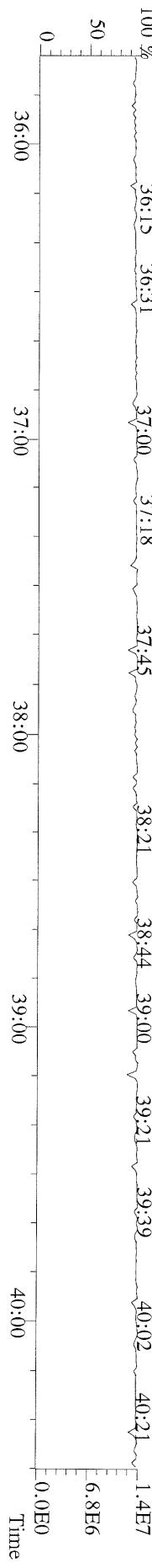
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



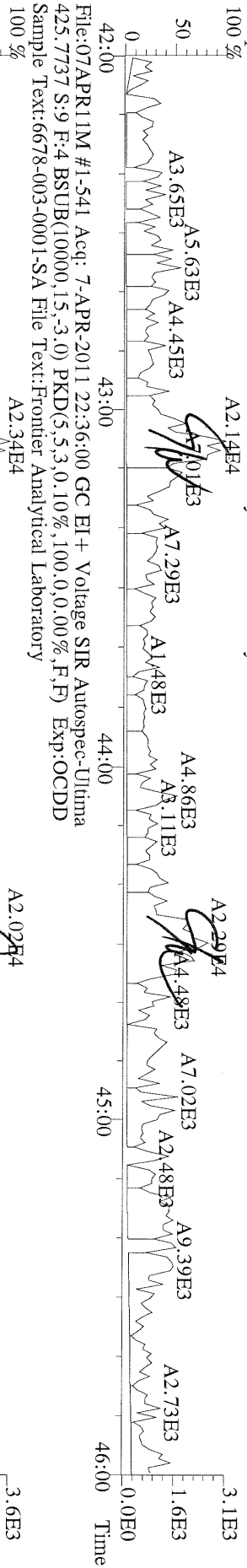
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 403.8530 S:9 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



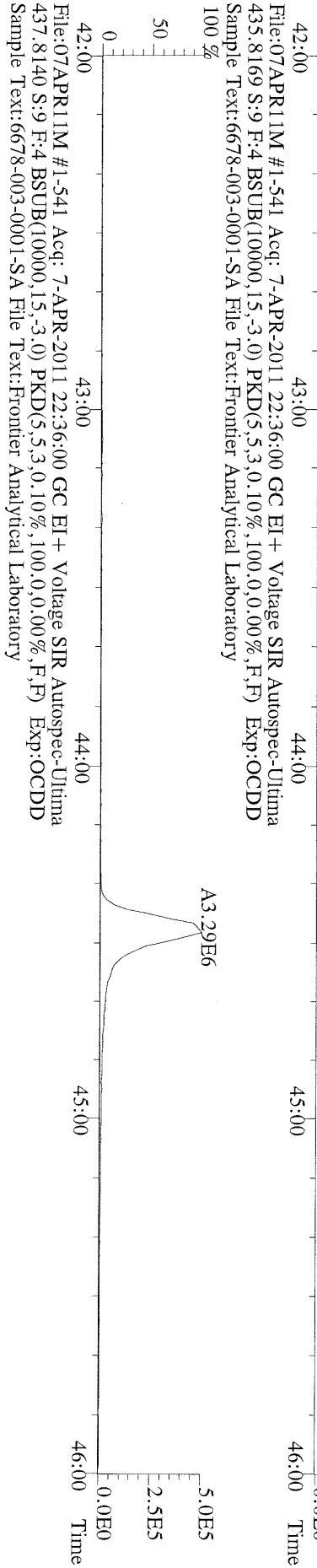
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:9 F:3 Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



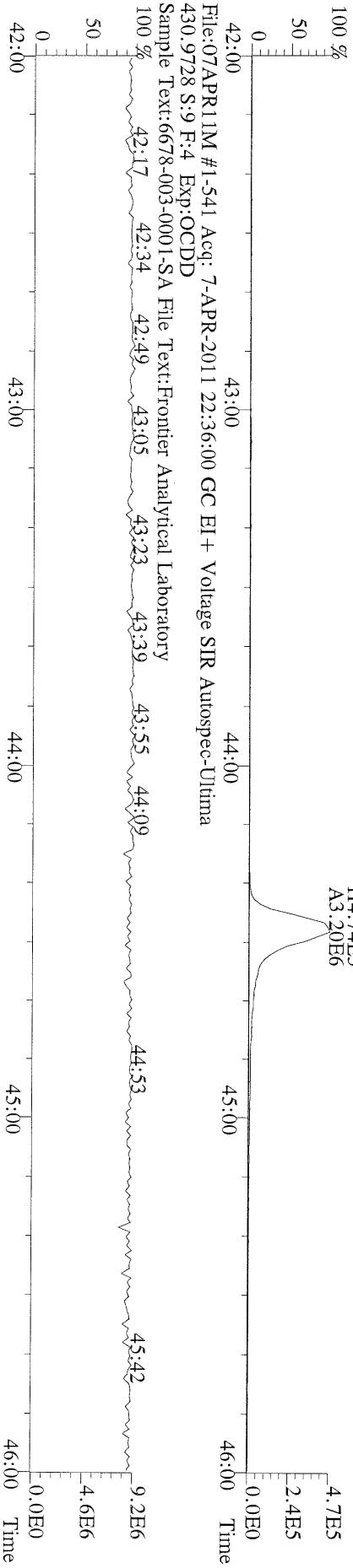
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Utima
423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



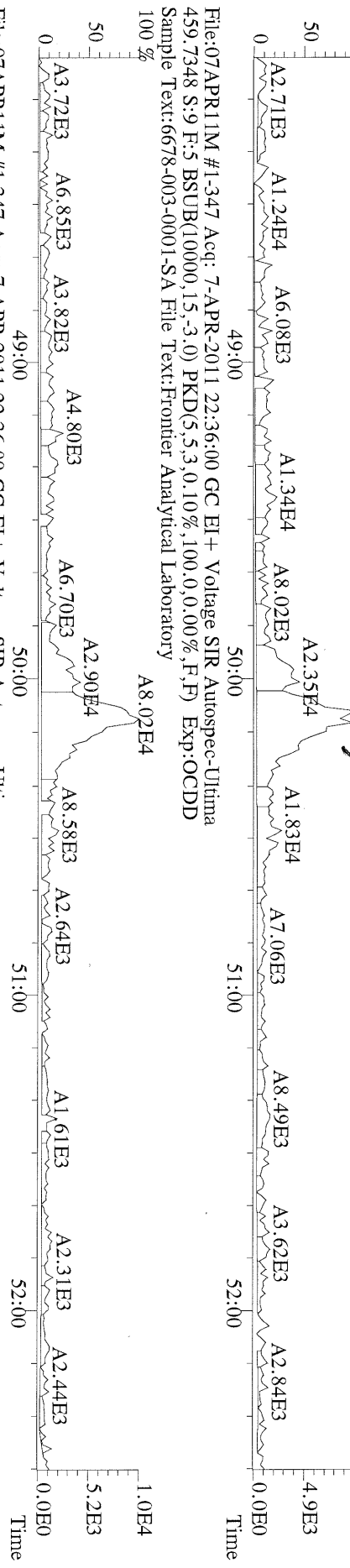
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Utima
435.8169 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



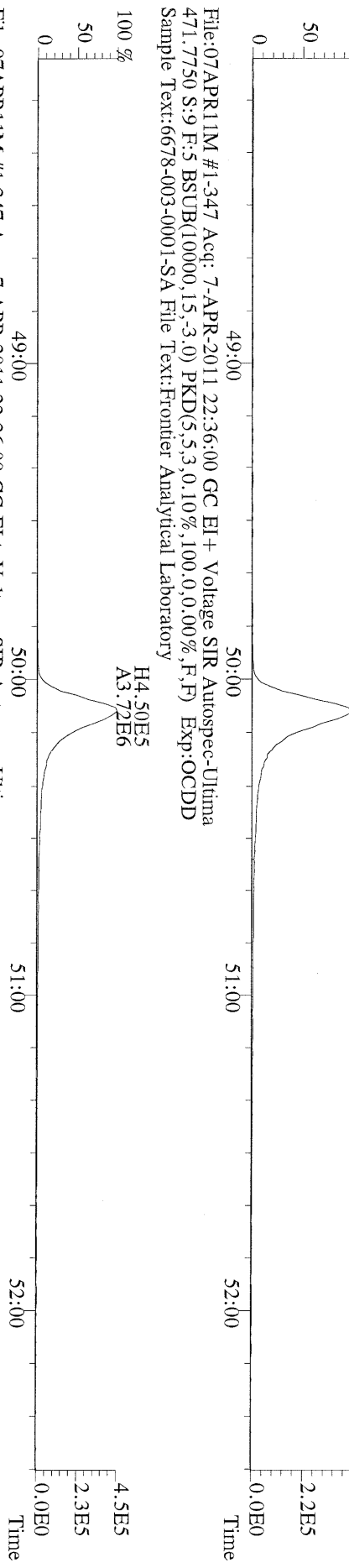
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Utima
430.9728 S:9 F:4 Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



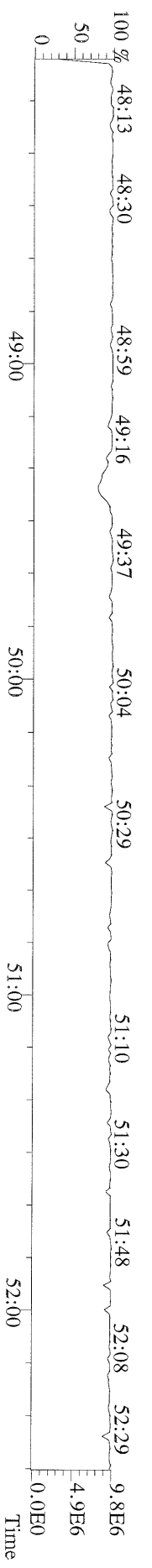
File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Ultima
 457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



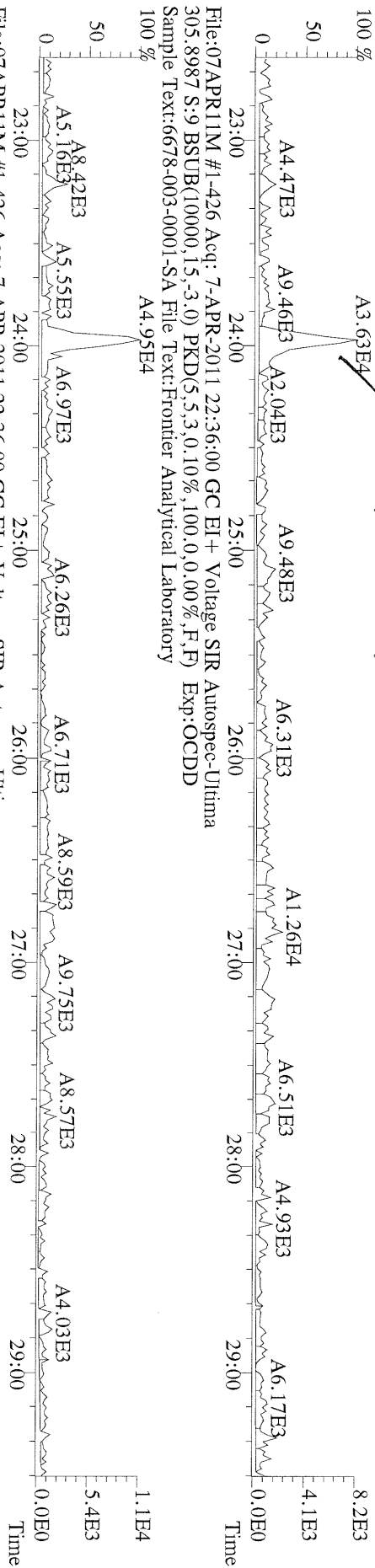
File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Ultima
 469.7780 S:9 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



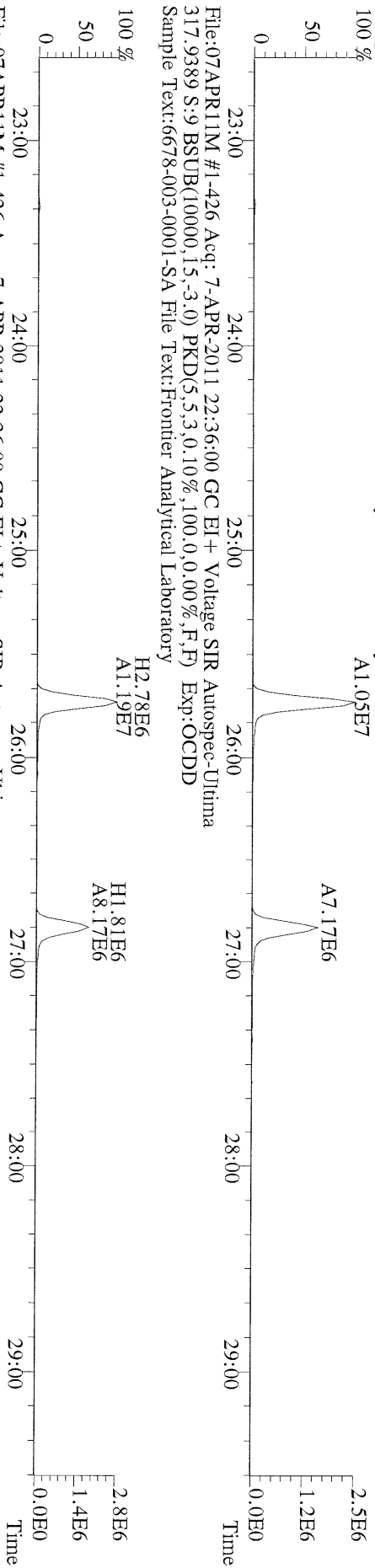
File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 GC EI + Voltage SIR Autospec-Ultima
 454.9728 S:9 F:5 Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



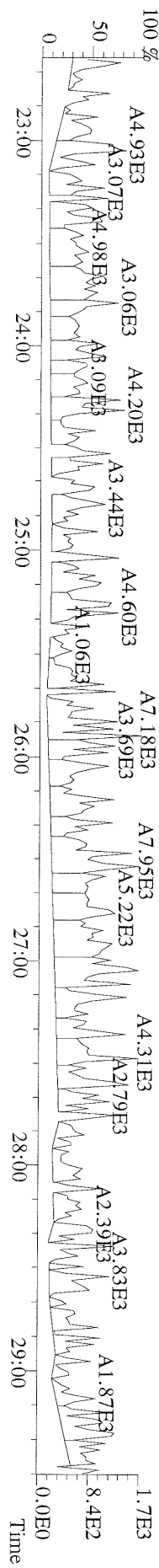
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



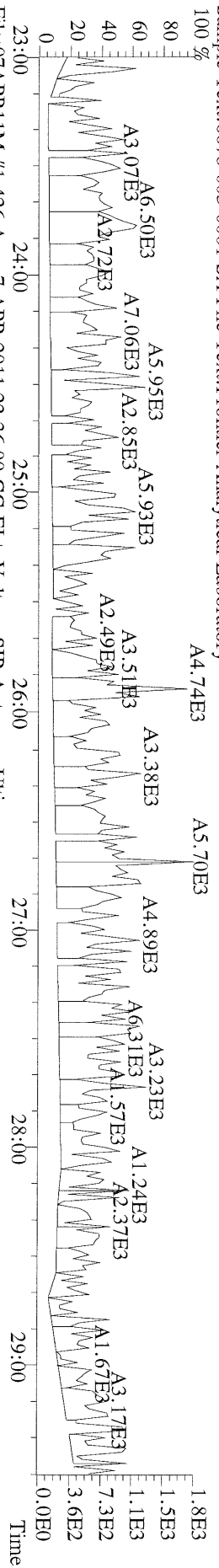
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



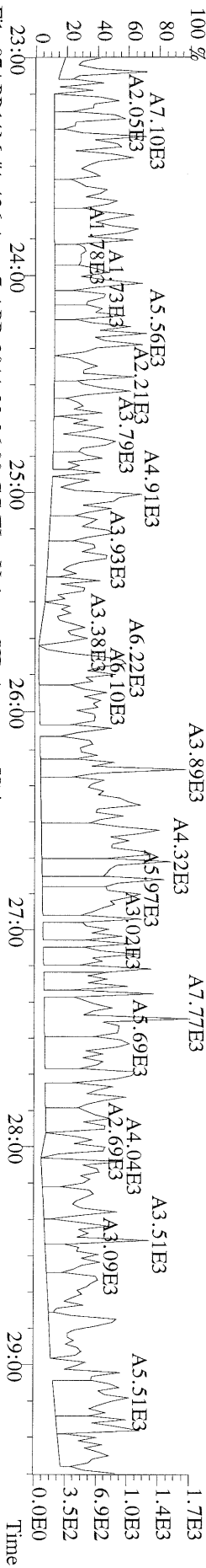
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



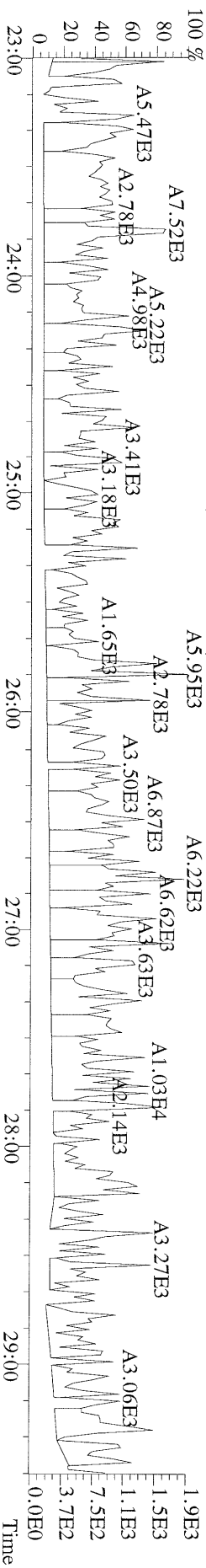
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



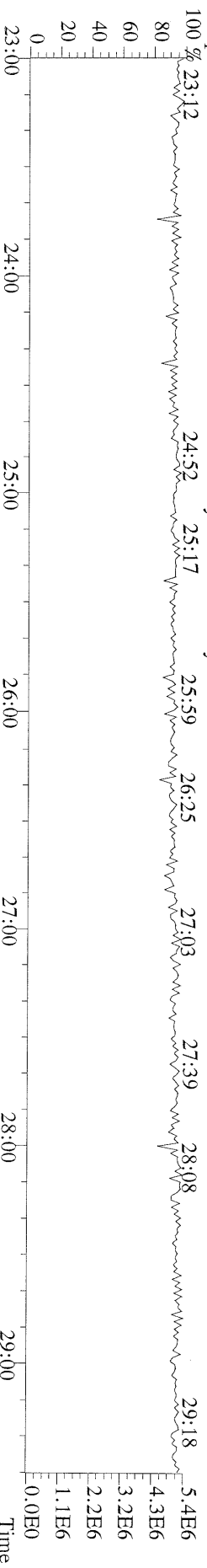
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



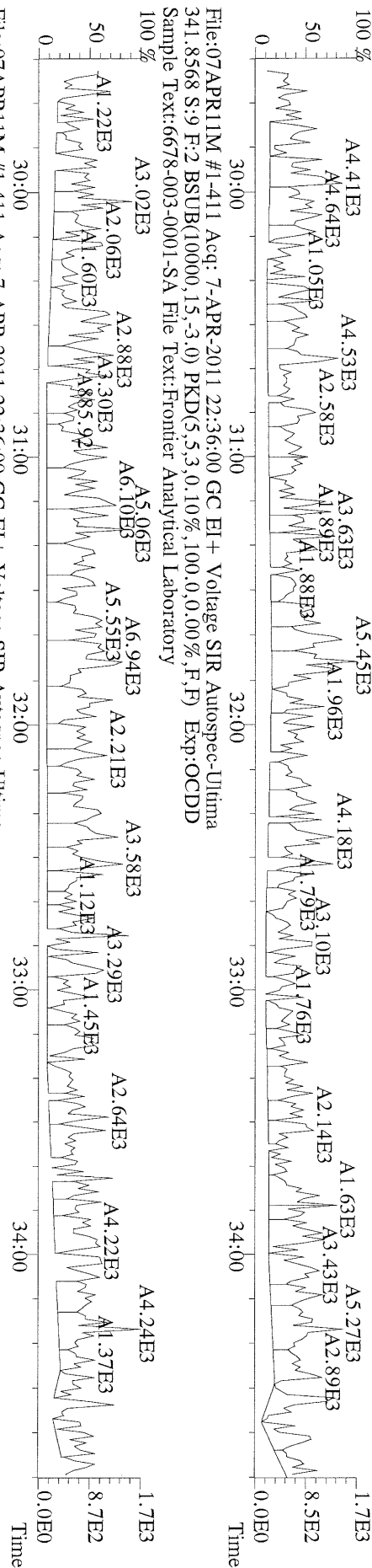
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



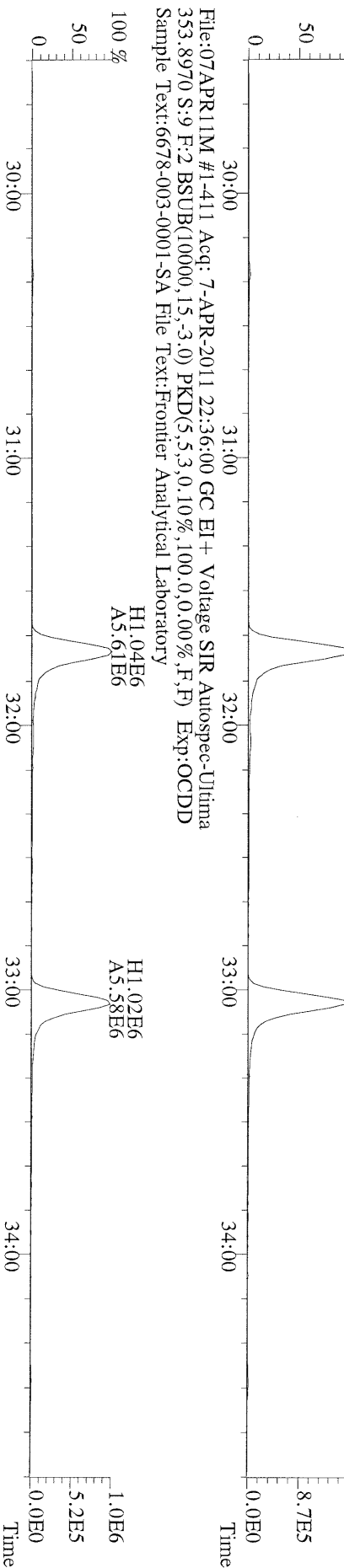
File:07APR11M #1-426 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 316.9824 S:9 Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



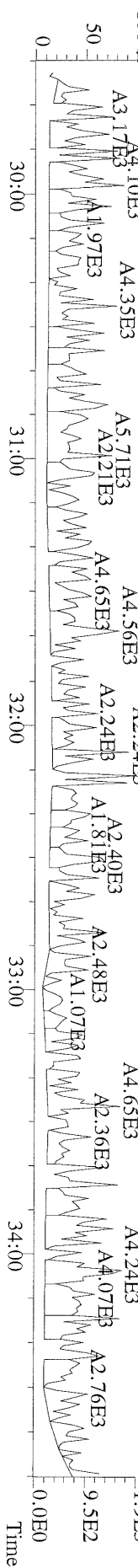
File:07APR11M #1-411 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



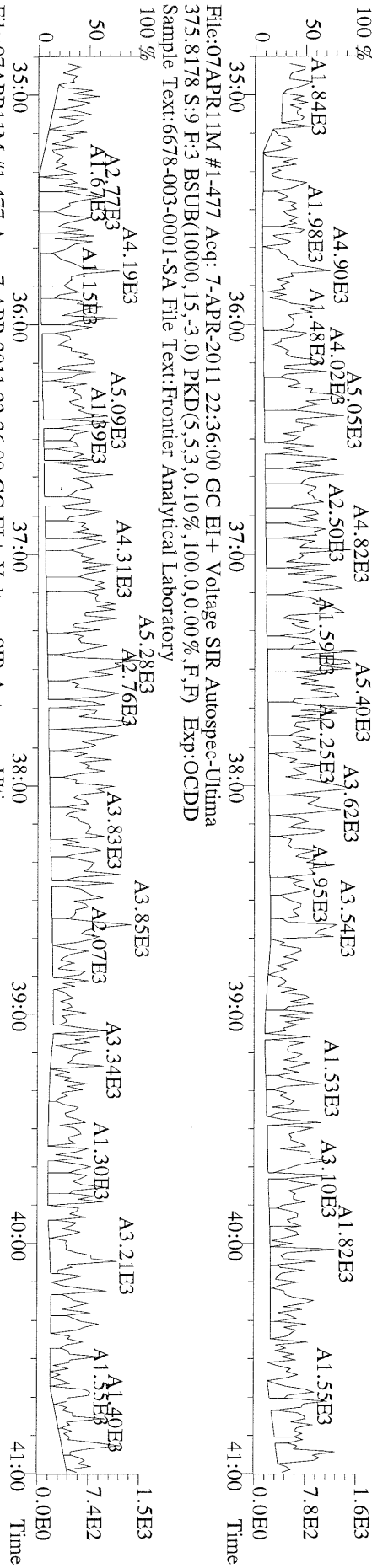
File:07APR11M #1-411 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



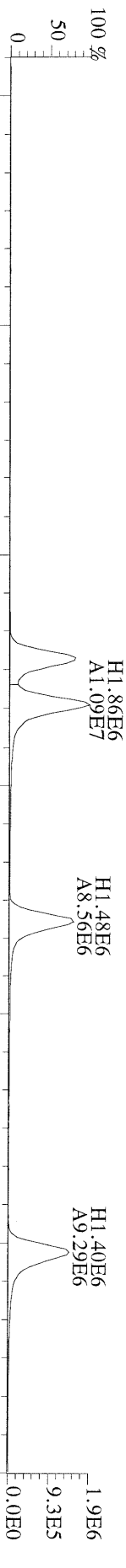
File:07APR11M #1-411 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



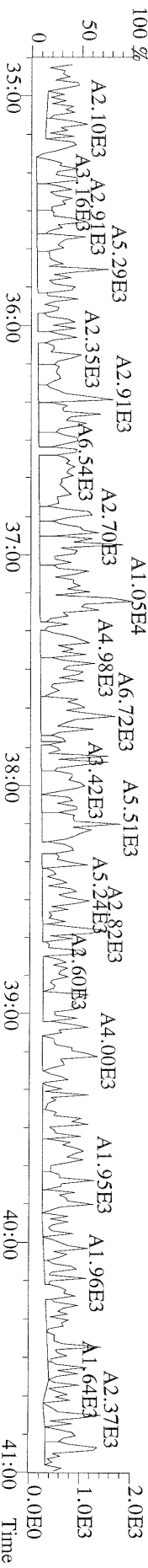
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Fronter Analytical Laboratory



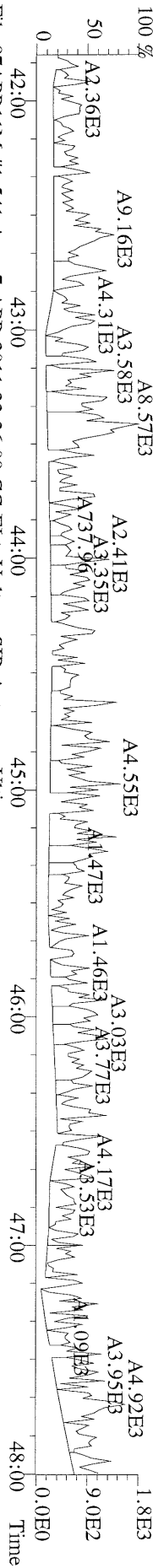
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Fronter Analytical Laboratory



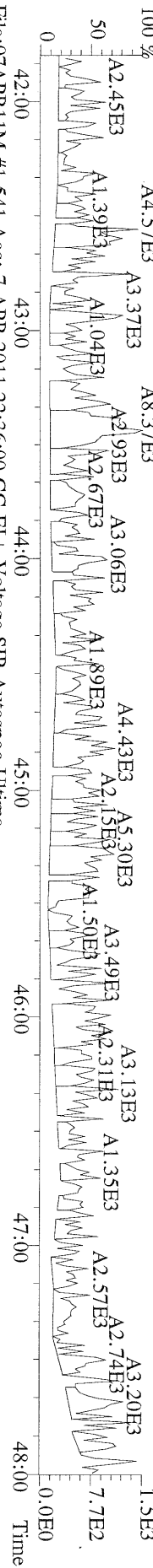
File:07APR11M #1-477 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-003-0001-SA File Text:Fronter Analytical Laboratory



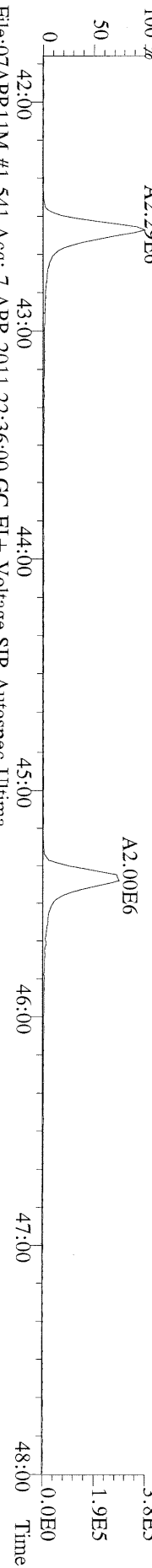
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



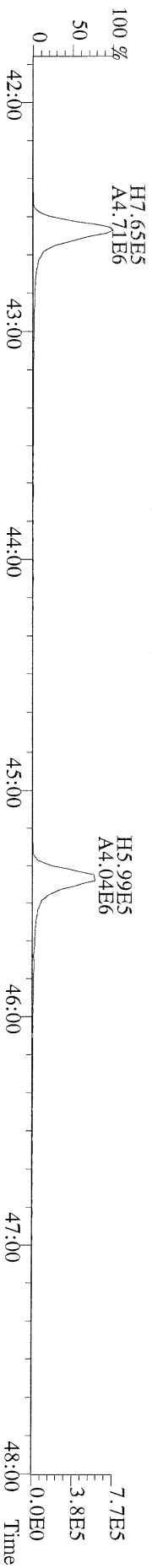
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



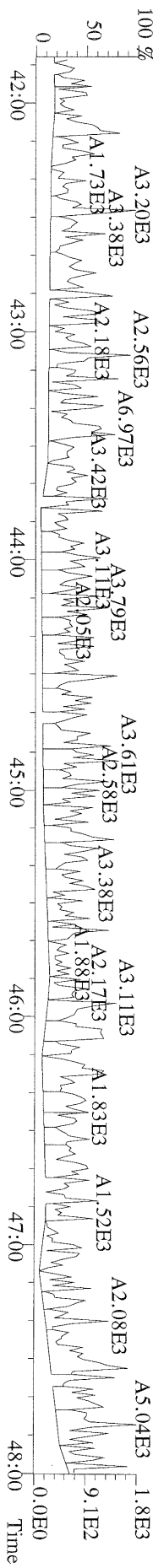
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



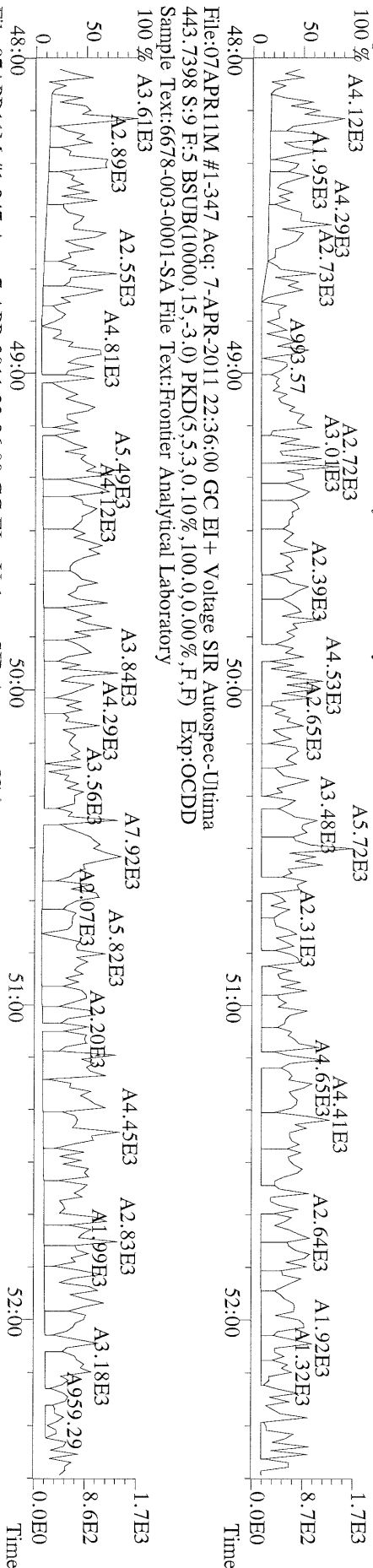
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



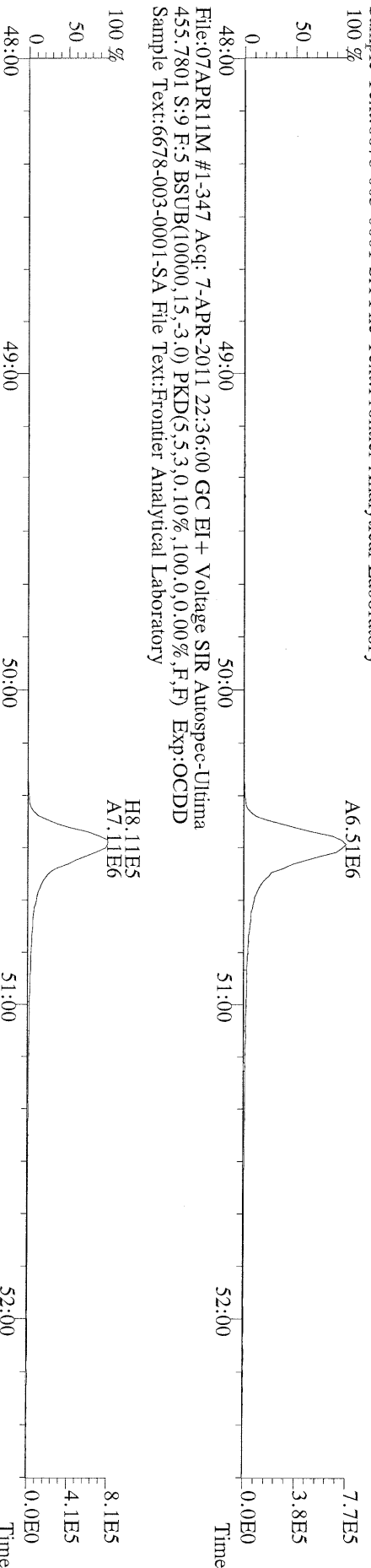
File:07APR11M #1-541 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory



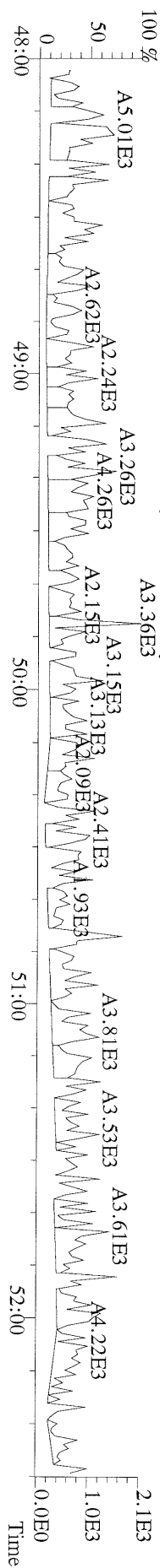
File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:9 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory
100 % A4.12E3



File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 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:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory
100 % A3.61E3




File:07APR11M #1-347 Acq: 7-APR-2011 22:36:00 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:OCDD
Sample Text:6678-003-0001-SA File Text:Frontier Analytical Laboratory
100 % A5.01E3



FAL ID: 6678-004-0001-SA Filename: 07APR11M Sam:8 Acquired: 7-APR-11 21:40:40 ICal: pcddfal3-3-7-11
 Client ID: LL-SED2-0-56-031511 ConCal: ST040711M1 EndCal: ST040711M2
 Results: 6678 GC Column: DB5 Amount: 3.200 NATO 1989 Tox: 118

WHO 1998 Tox: 100 WHO 2005 Tox: 103

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom
2,3,7,8-TCDD	2.03e+05	0.80 y	27:38	1.13	7.13		2.50	-	*	
1,2,3,7,8-PeCDD	3.63e+05	1.50 y	33:30	1.02	13.4		2.50	-	*	
1,2,3,4,7,8-HxCDD	9.02e+05	1.20 y	38:54	1.45	28.2		2.50	-	*	
1,2,3,6,7,8-HxCDD	3.14e+06	1.27 y	39:03	1.45	104		2.50	-	*	
1,2,3,7,8,9-HxCDD	1.87e+06	1.29 y	39:31	1.47	59.3		2.50	-	*	
1,2,3,4,6,7,8-HpCDD	8.07e+07	0.93 y	44:32	1.30	3090		2.50	-	*	
OCDD	5.25e+08	0.94 y	50:13	1.45	26100		2.50	-	*	
2,3,7,8-TCDF	5.77e+05	0.73 y	26:52	1.15	11.8	9.24 D8325 F	2.50	-	*	
1,2,3,7,8-PeCDF	2.92e+05	1.54 y	31:46	0.89	7.81	J	2.50	-	*	
2,3,4,7,8-PeCDF	4.13e+05	1.47 y	33:06	0.89	11.4		2.50	-	*	
1,2,3,4,7,8-HxCDF	1.75e+06	1.17 y	37:31	1.01	50.3		2.50	-	*	
1,2,3,6,7,8-HxCDF	1.30e+06	1.36 y	37:42	0.89	31.2	D,M	2.50	-	*	
2,3,4,6,7,8-HxCDF	1.33e+06	1.24 y	38:39	1.02	34.3		2.50	-	*	
1,2,3,7,8,9-HxCDF	2.65e+05	1.15 y	40:09	1.10	5.91	J	2.50	-	*	
1,2,3,4,6,7,8-HpCDF	2.17e+07	1.07 y	42:37	1.48	693		2.50	-	*	
1,2,3,4,7,8,9-HpCDF	7.83e+05	0.99 y	45:27	1.43	30.1		2.50	-	*	
OCDF	3.32e+07	0.90 y	50:36	0.84	1780		2.50	-	*	
Rec										
13C-2,3,7,8-TCDD	1.57e+07	0.74 y	27:37	1.03	414				66.2	
13C-1,2,3,7,8-PeCDD	1.68e+07	1.78 y	33:29	1.01	449				71.9	
13C-1,2,3,4,7,8-HxCDD	1.38e+07	1.26 y	38:53	1.19	357				57.2	
13C-1,2,3,6,7,8-HxCDD	1.30e+07	1.33 y	39:02	0.94	427				68.3	
13C-1,2,3,4,6,7,8-HpCDD	1.26e+07	1.02 y	44:31	0.83	468				74.9	
13C-OCDD	1.74e+07	0.97 y	50:11	0.61	881				70.5	
13C-2,3,7,8-TCDF	2.67e+07	0.87 y	26:51	0.98	435				69.6	
13C-1,2,3,7,8-PeCDF	2.64e+07	1.67 y	31:44	0.83	507				81.1	
13C-2,3,4,7,8-PeCDF	2.53e+07	1.61 y	33:04	0.80	502				80.3	
13C-1,2,3,4,7,8-HxCDF	2.16e+07	0.48 y	37:29	1.84	361				57.8	
13C-1,2,3,6,7,8-HxCDF	2.92e+07	0.47 y	37:41	2.29	393				62.8	
13C-2,3,4,6,7,8-HxCDF	2.38e+07	0.47 y	38:37	1.86	394				63.0	
13C-1,2,3,7,8,9-HxCDF	2.54e+07	0.48 y	40:04	1.98	395				63.3	
13C-1,2,3,4,6,7,8-HpCDF	1.33e+07	0.47 y	42:37	0.99	414				66.2	
13C-1,2,3,4,7,8,9-HpCDF	1.14e+07	0.47 y	45:26	0.77	458				73.4	
13C-OCDF	2.76e+07	0.90 y	50:35	1.17	731				58.5	
37Cl-2,3,7,8-TCDD	4.32e+06		27:38	0.73	160				64.1	
13C-1,2,3,4-TCDD	2.31e+07	0.75 y	27:01	-	19.0					
13C-1,2,3,4-TCDF	3.92e+07	0.88 y	25:45	-	17.0					
13C-1,2,3,7,8,9-HxCDD	2.03e+07	1.31 y	39:29	-	25.5					
Fac Noise-1 Noise-2 DL #Hom										
Total Tetra-Dioxins	2.05e+06		24:36	1.13	71.8		2.50	-	*	13
Total Penta-Dioxins	9.16e+06		30:28	1.02	337	M	2.50	-	*	10
Total Hexa-Dioxins	3.02e+07		36:25	1.46	972		2.50	-	*	7
Total Hepta-Dioxins	1.57e+08		43:08	1.30	6000		2.50	-	*	2
Total Tetra-Furans	9.97e+06		23:14	1.15	203	D,M	2.50	-	*	23
1st Fn. Tot Penta-Furans	4.39e+06		28:41	0.89	120	D,M	2.50	-	*	PeCDF 1
Total Penta-Furans	7.17e+06		30:19	0.89	195	D,M	2.50	-	*	315 18
Total Hexa-Furans	3.23e+07		35:33	1.00	812	D,M	2.50	-	*	13
Total Hepta-Furans	5.81e+07		42:37	1.46	1960		2.50	-	*	4

Analyst: 

Date: 4/8/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 16

File: 07APR11M

S: 8 I: 1 F: 1

Acquired: 7-APR-11 21:40:40

Total Concentration: 71.8

Unnamed Concentration: 64.707

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:36	1.74e+05	2.21e+05	0.78 y	3.95e+05	13.9	
24:52	1.50e+05	1.93e+05	0.78 y	3.43e+05	12.0	
25:11	1.36e+05	1.72e+05	0.79 y	3.08e+05	10.8	
25:49	3.67e+04	4.39e+04	0.84 y	8.06e+04	2.83	
25:59	6.62e+04	8.93e+04	0.74 y	1.55e+05	5.46	
26:10	7.91e+04	8.96e+04	0.88 y	1.69e+05	5.92	
26:19	3.08e+04	3.82e+04	0.81 y	6.91e+04	2.42	
26:31	2.49e+04	3.02e+04	0.82 y	5.51e+04	1.93	
26:41	2.70e+04	3.43e+04	0.79 y	6.13e+04	2.15	
27:02	4.12e+04	5.29e+04	0.78 y	9.41e+04	3.30	
27:21	3.01e+04	3.47e+04	0.87 y	6.49e+04	2.28	
27:38	9.03e+04	1.13e+05	0.80 y	2.03e+05	7.13	2,3,7,8-TCDD
27:55	2.24e+04	2.65e+04	0.84 y	4.89e+04	1.71	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 16

File: 07APR11M

S: 8 I: 1 F: 2

Acquired: 7-APR-11 21:40:40

Total Concentration: 337

Unnamed Concentration: 323.155

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:28	3.82e+06	2.50e+06	1.53 y	6.32e+06	232	
31:06	2.02e+05	2.44e+05	0.83 n	3.33e+05	12.2	
31:44	2.98e+05	2.08e+05	1.43 y	5.05e+05	18.6	
31:58	4.36e+05	2.81e+05	1.55 y	7.17e+05	26.3	
32:07	1.74e+05	1.16e+05	1.50 y	2.90e+05	10.7	
32:24	2.10e+05	1.41e+05	1.50 y	3.51e+05	12.9	
32:53	6.75e+04	3.83e+04	1.76 y	1.06e+05	3.89	
33:30	2.18e+05	1.45e+05	1.50 y	3.63e+05	13.4	1,2,3,7,8-PeCDD
33:36	5.50e+04	3.50e+04	1.57 y	8.99e+04	3.30	
34:05	4.96e+04	3.27e+04	1.52 y	8.23e+04	3.02	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 16

File: 07APR11M

S: 8 I: 1 F: 3

Acquired: 7-APR-11 21:40:40

Total Concentration: 972

Unnamed Concentration: 779.953

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:25	6.92e+06	5.30e+06	1.30 y	1.22e+07	392	
37:21	6.79e+05	5.32e+05	1.27 y	1.21e+06	38.8	
37:47	5.92e+06	4.64e+06	1.28 y	1.06e+07	338	
38:54	4.93e+05	4.10e+05	1.20 y	9.02e+05	28.2	1,2,3,4,7,8-HxCDD
39:03	1.76e+06	1.38e+06	1.27 y	3.14e+06	104	1,2,3,6,7,8-HxCDD
39:21	1.92e+05	1.61e+05	1.19 y	3.53e+05	11.3	
39:31	1.05e+06	8.14e+05	1.29 y	1.87e+06	59.3	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 16

File: 07APR11M

S: 8 I: 1 F: 4

Acquired: 7-APR-11 21:40:40

Total Concentration: 6000

Unnamed Concentration: 2913.064

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:08	3.62e+07	3.99e+07	0.91 y	7.61e+07	2910	
44:32	3.88e+07	4.19e+07	0.93 y	8.07e+07	3090	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 16

File: 07APR11M

S: 8 I: 1 F: 1

Acquired: 7-APR-11 21:40:40

Total Concentration: 203

Unnamed Concentration: 191.486

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:14	7.73e+04	1.17e+05	0.66 y	1.94e+05	3.96	
23:36	1.32e+05	1.86e+05	0.71 y	3.19e+05	6.50	
23:59	4.33e+05	6.21e+05	0.70 y	1.05e+06	21.5	
24:23	3.43e+05	4.90e+05	0.70 y	8.33e+05	17.0	
24:38	4.34e+05	6.04e+05	0.72 y	1.04e+06	21.2	
24:56	2.33e+05	3.39e+05	0.69 y	5.71e+05	11.6	
25:02	1.25e+05	1.70e+05	0.74 y	2.95e+05	6.01	
25:10	1.73e+05	2.41e+05	0.72 y	4.14e+05	8.43	
25:32	1.28e+05	1.92e+05	0.66 y	3.20e+05	6.53	
25:39	2.67e+05	3.59e+05	0.74 y	6.26e+05	12.8	
25:46	2.86e+05	3.99e+05	0.72 y	6.85e+05	14.0	
25:59	9.10e+04	1.32e+05	0.69 y	2.23e+05	4.55	
26:08	1.61e+05	2.05e+05	0.78 y	3.66e+05	7.46	
26:21	9.07e+04	1.21e+05	0.75 y	2.12e+05	4.31	
26:29	5.30e+04	6.04e+04	0.88 y	1.13e+05	2.31	
26:46	1.69e+05	2.33e+05	0.72 y	4.03e+05	8.21	
26:52	2.44e+05	3.33e+05	0.73 y	5.77e+05	11.8	2,3,7,8-TCDF
27:12	2.59e+05	3.67e+05	0.71 y	6.26e+05	12.8	
27:25	3.01e+04	3.66e+04	0.82 y	6.67e+04	1.36	
27:36	2.60e+04	3.35e+04	0.78 y	5.95e+04	1.21	
28:04	1.79e+05	2.33e+05	0.77 y	4.13e+05	8.41	
28:17	1.51e+05	2.03e+05	0.74 y	3.54e+05	7.22	
28:42	9.69e+04	1.13e+05	0.86 y	2.10e+05	4.28	

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

Run: 16 File: 07APR11M S: 8 I: 1 F: 1
Acquired: 7-APR-11 21:40:40

Total Concentration: 120 Unnamed Concentration: 119.549

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:41	2.61e+06	1.78e+06	1.47 y	4.39e+06	120	

Totals class: Total Penta-Furans

Entry #: 44

Run: 16

File: 07APR11M

S: 8 I: 1 F: 2

Acquired: 7-APR-11 21:40:40

Total Concentration: 195

Unnamed Concentration: 175.938

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:19	2.91e+05	1.83e+05	1.59 y	4.74e+05	12.9	
30:29	1.60e+06	9.97e+05	1.61 y	2.60e+06	70.8	
30:39	5.42e+04	3.64e+04	1.49 y	9.05e+04	2.47	
30:48	5.43e+04	3.23e+04	1.68 y	8.66e+04	2.36	
30:56	1.30e+05	8.26e+04	1.58 y	2.13e+05	5.79	
31:12	6.12e+05	3.92e+05	1.56 y	1.00e+06	27.4	
31:30	1.35e+05	8.75e+04	1.54 y	2.23e+05	6.06	
31:46	1.77e+05	1.15e+05	1.54 y	2.92e+05	7.81	1,2,3,7,8-PeCDF
32:00	2.87e+05	1.63e+05	1.76 y	4.50e+05	12.3	
32:06	1.92e+05	1.35e+05	1.42 y	3.27e+05	8.90	
32:17	1.20e+05	7.04e+04	1.71 y	1.91e+05	5.20	
32:48	2.54e+04	1.47e+04	1.73 y	4.01e+04	1.09	
32:57	8.60e+04	5.59e+04	1.54 y	1.42e+05	3.86	
33:06	2.46e+05	1.67e+05	1.47 y	4.13e+05	11.4	2,3,4,7,8-PeCDF
33:09	1.92e+05	1.27e+05	1.51 y	3.20e+05	8.71	
33:18	4.02e+04	2.51e+04	1.60 y	6.53e+04	1.78	
34:11	3.72e+04	2.49e+04	1.50 y	6.21e+04	1.69	
34:21	1.07e+05	6.69e+04	1.60 y	1.74e+05	4.73	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 16

File: 07APR11M

S: 8 I: 1 F: 3

Acquired: 7-APR-11 21:40:40

Total Concentration: 812

Unnamed Concentration: 690.543

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:33	1.89e+06	1.51e+06	1.26 y	3.39e+06	84.9	
35:49	6.45e+06	5.11e+06	1.26 y	1.16e+07	289	
36:10	1.38e+05	1.22e+05	1.13 y	2.59e+05	6.48	
36:25	2.70e+05	2.03e+05	1.33 y	4.73e+05	11.8	
36:43	5.57e+06	4.40e+06	1.27 y	9.96e+06	249	
36:57	2.14e+05	1.71e+05	1.25 y	3.85e+05	9.63	
37:20	2.15e+05	1.63e+05	1.31 y	3.78e+05	9.45	
37:31	9.45e+05	8.07e+05	1.17 y	1.75e+06	50.3	1,2,3,4,7,8-HxCDF
37:42	7.49e+05	5.49e+05	1.36 y	1.30e+06	31.2	1,2,3,6,7,8-HxCDF
38:09	1.64e+05	1.36e+05	1.21 y	3.00e+05	7.51	
38:22	5.01e+05	3.96e+05	1.27 y	8.96e+05	22.4	
38:39	7.35e+05	5.92e+05	1.24 y	1.33e+06	34.3	2,3,4,6,7,8-HxCDF
40:09	1.42e+05	1.23e+05	1.15 y	2.65e+05	5.91	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 16

File: 07APR11M

S: 8 I: 1 F: 4

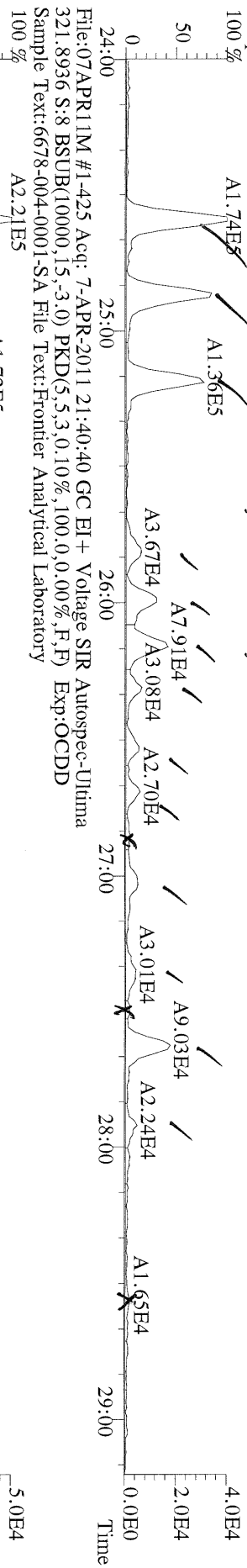
Acquired: 7-APR-11 21:40:40

Total Concentration: 1960

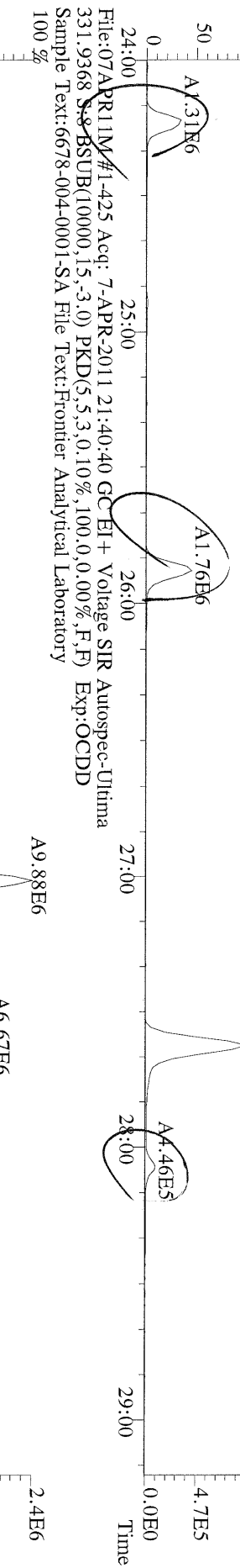
Unnamed Concentration: 1240.150

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:37	1.13e+07	1.05e+07	1.07 y	2.17e+07	693	1,2,3,4,6,7,8-HpCDF
43:08	2.81e+05	2.65e+05	1.06 y	5.46e+05	19.0	
43:27	1.81e+07	1.69e+07	1.07 y	3.51e+07	1220	
45:27	3.90e+05	3.93e+05	0.99 y	7.83e+05	30.1	1,2,3,4,7,8,9-HpCDF

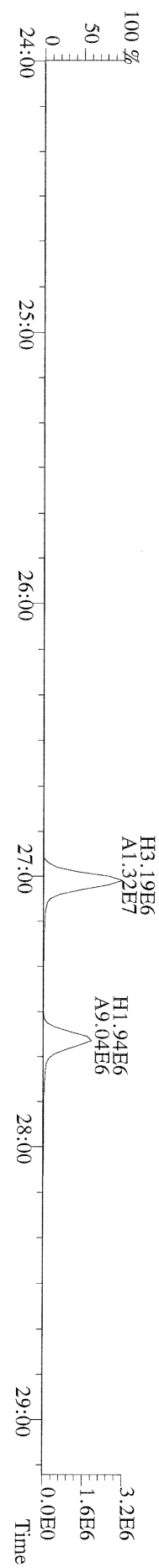
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319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



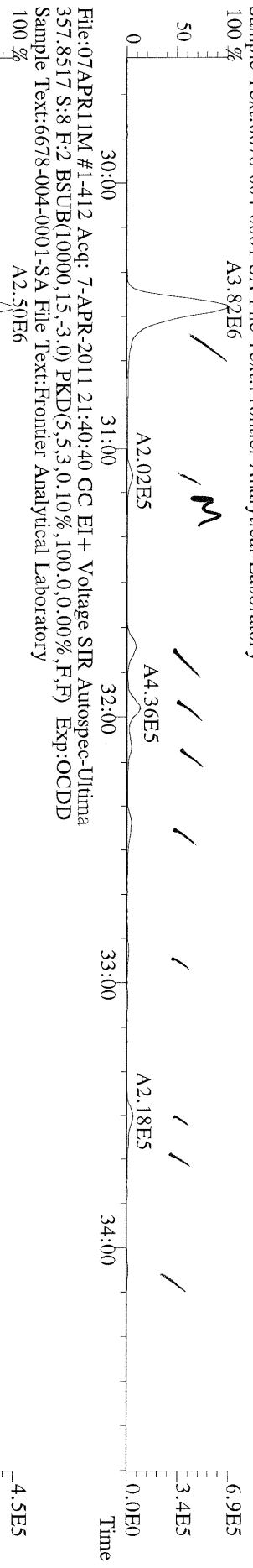
File:07APR11M #1-425 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



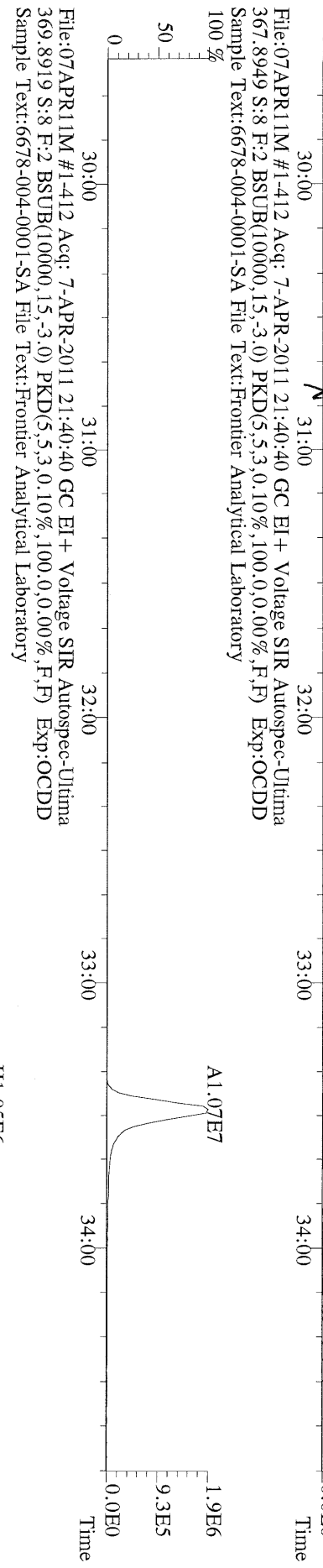
File:07APR11M #1-425 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



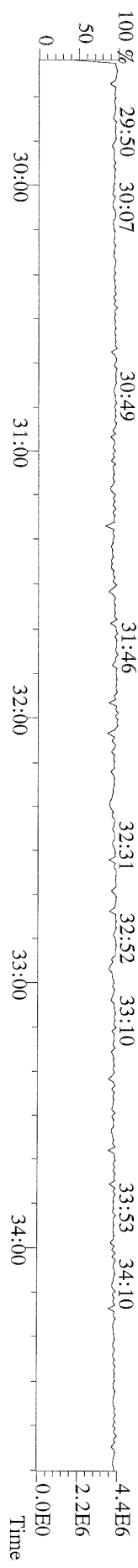
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



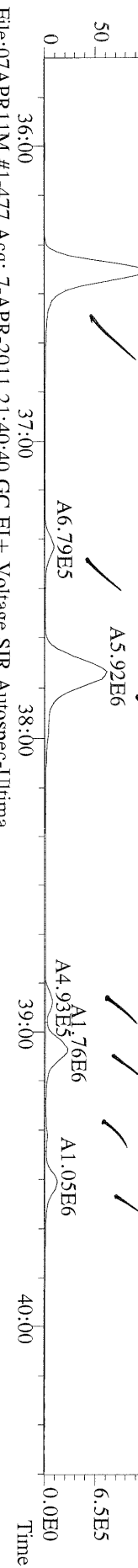
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367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



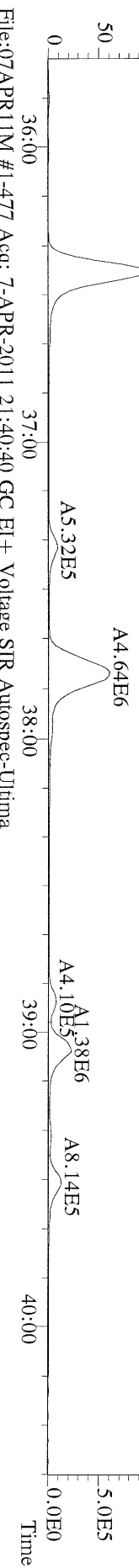
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
366.9792 S:8 F:2 Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



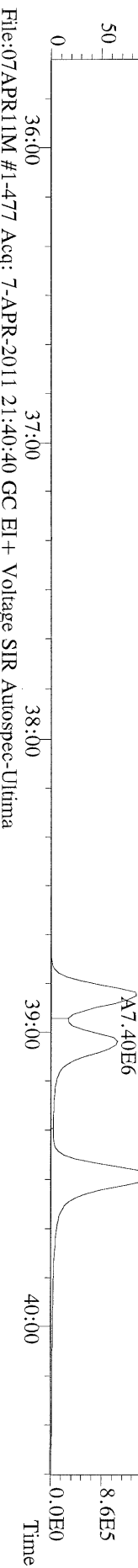
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 389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



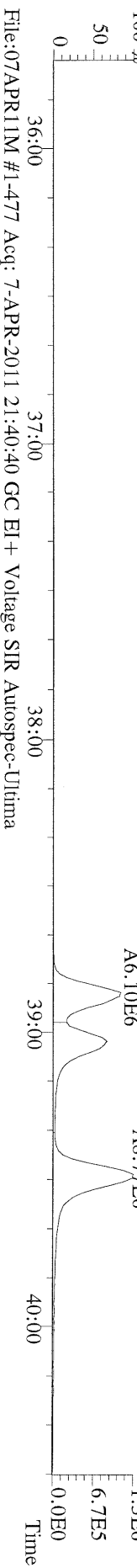
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 391.8127 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



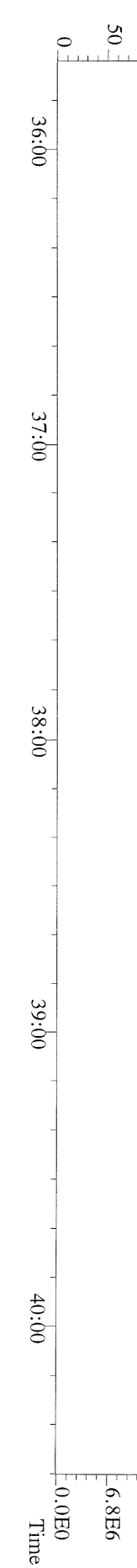
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 401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



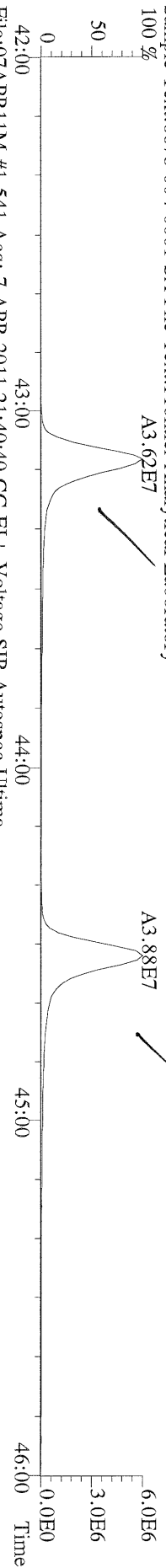
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 403.8530 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



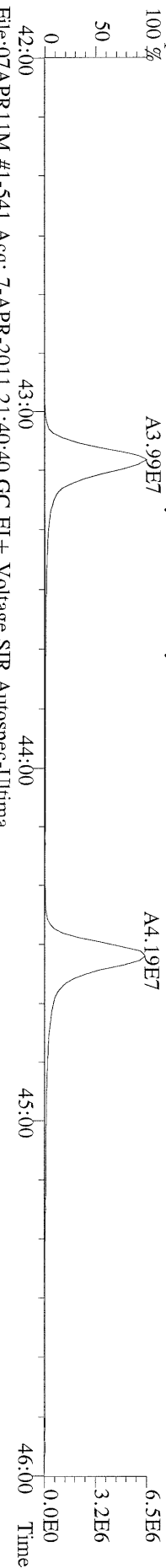
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 380.9760 S:8 F:3 Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



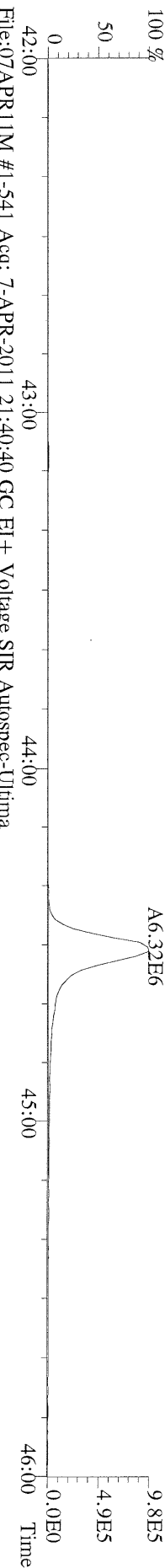
File:07APR11M #1-541 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



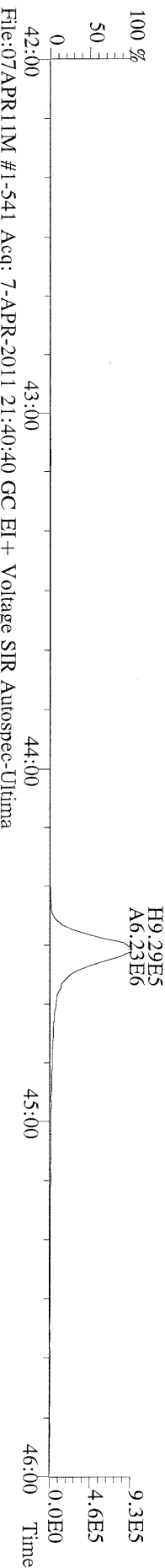
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425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



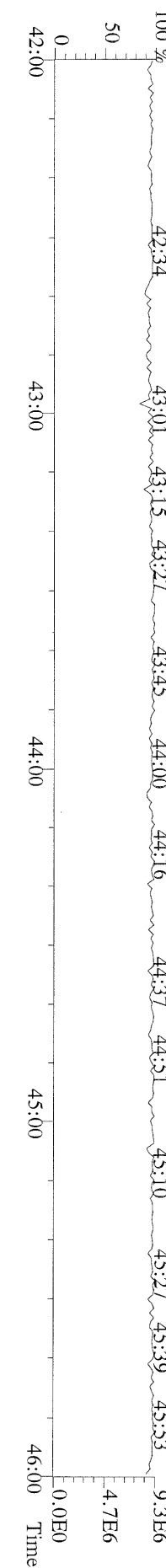
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435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



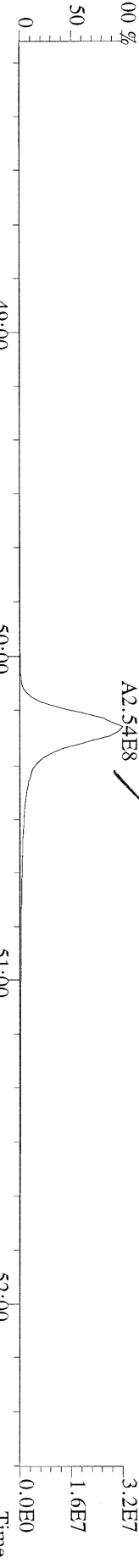
File:07APR11M #1-541 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



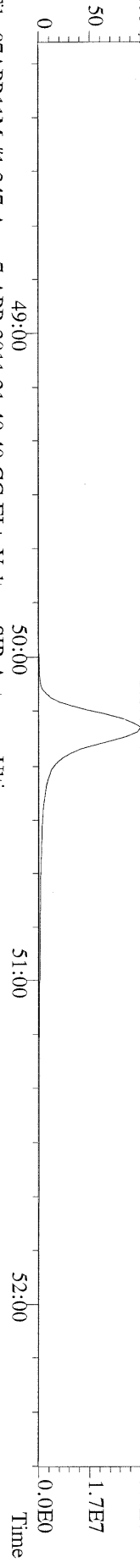
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430.9728 S:8 F:4 Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



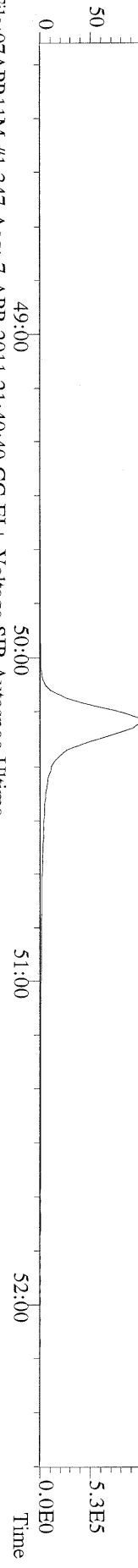
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457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



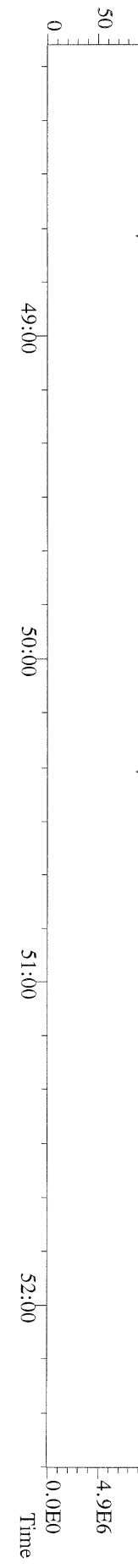
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469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



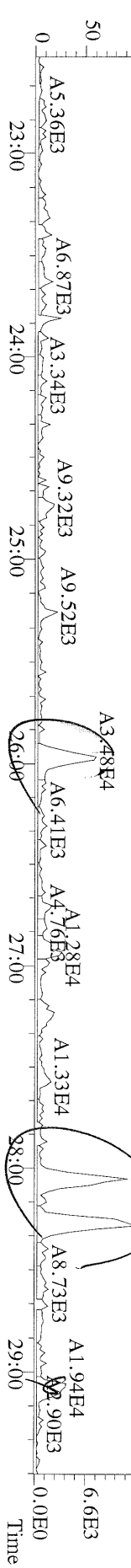
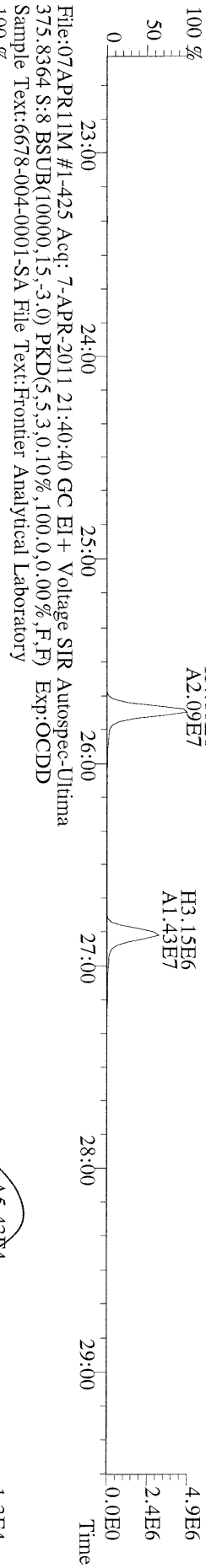
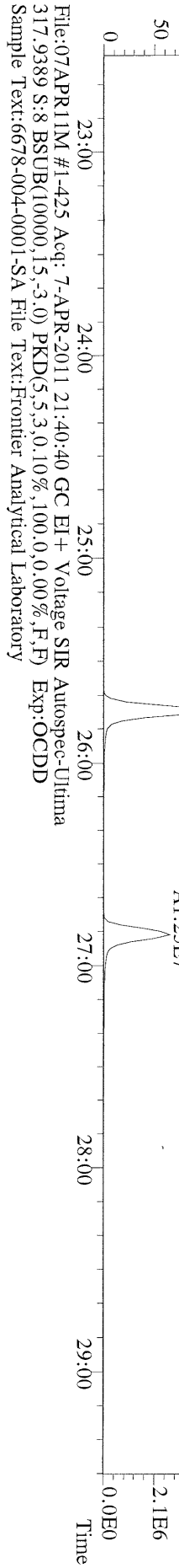
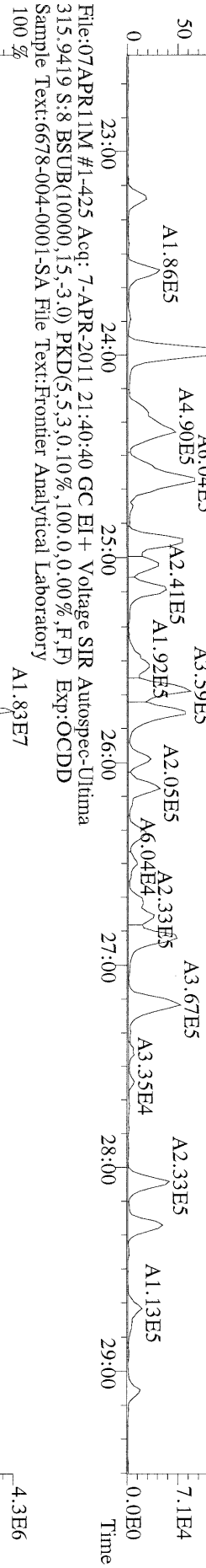
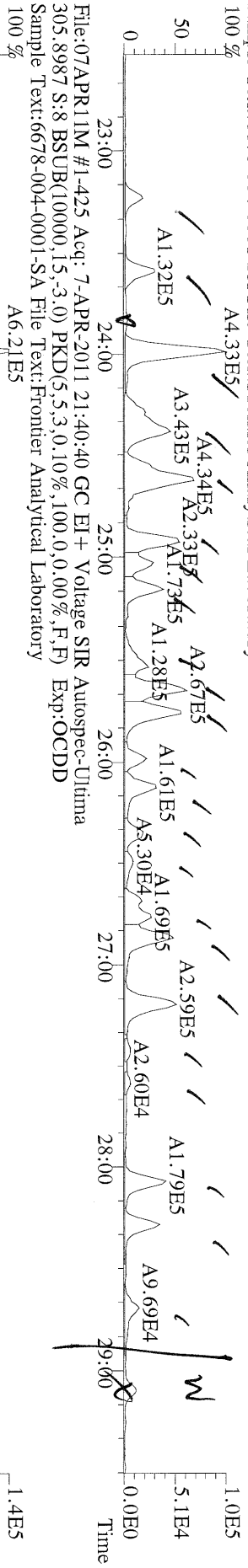
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471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



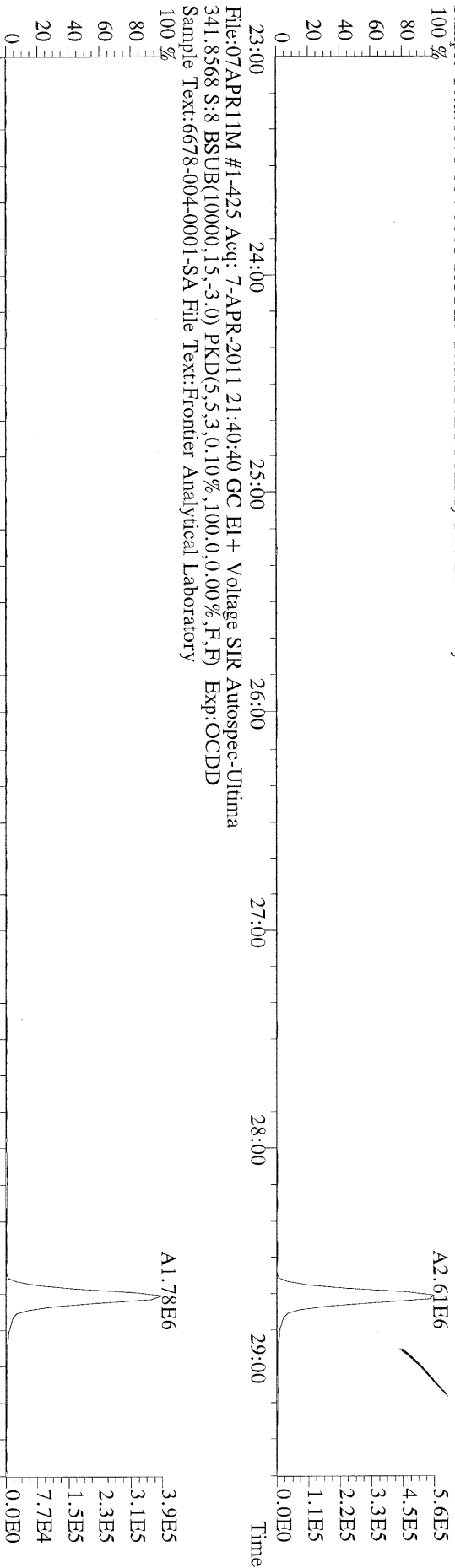
File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:8 F:5 Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



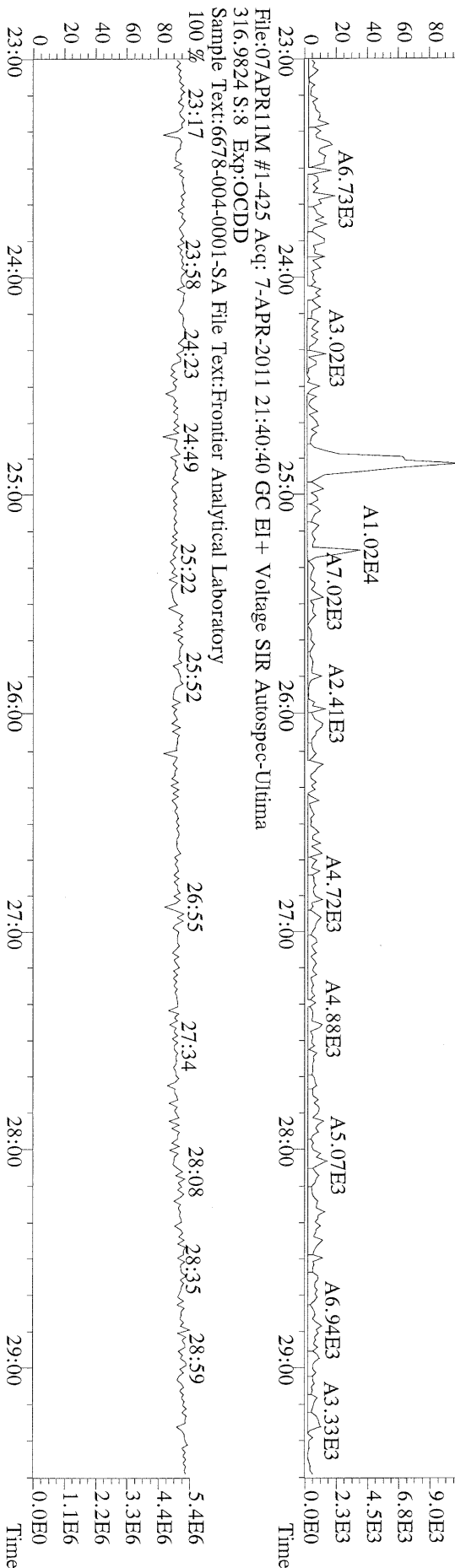
File:07APR11M #1-425 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



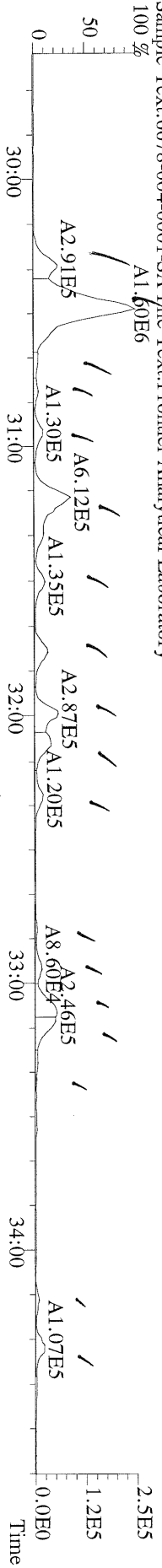
File:07APR11M #1-425 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



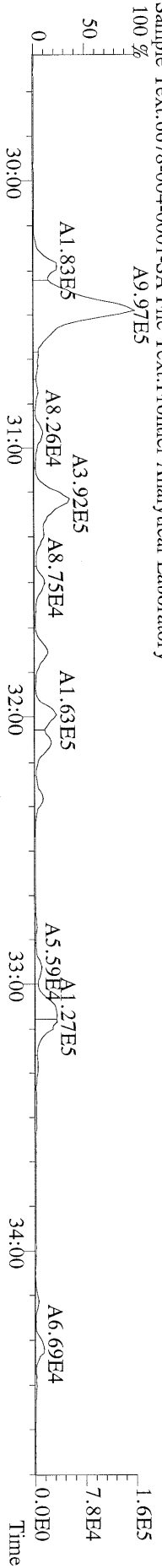
File:07APR11M #1-425 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



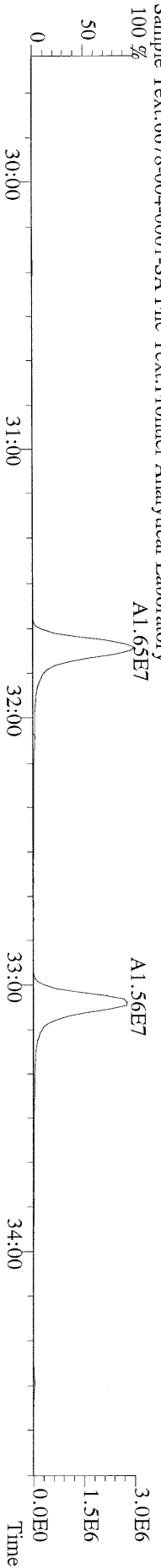
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
 339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



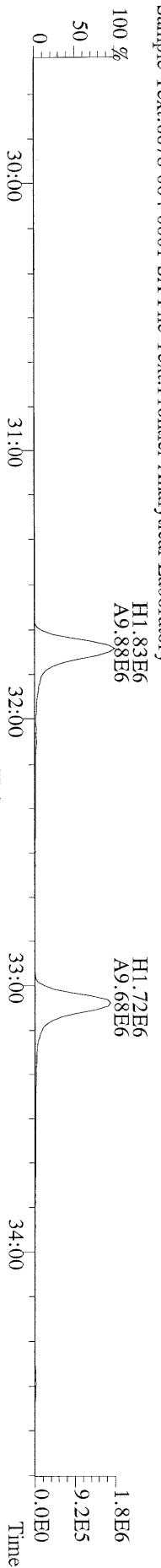
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
 341.8568 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



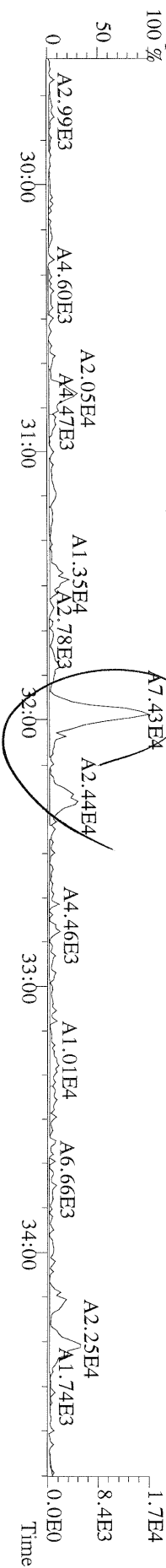
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
 351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



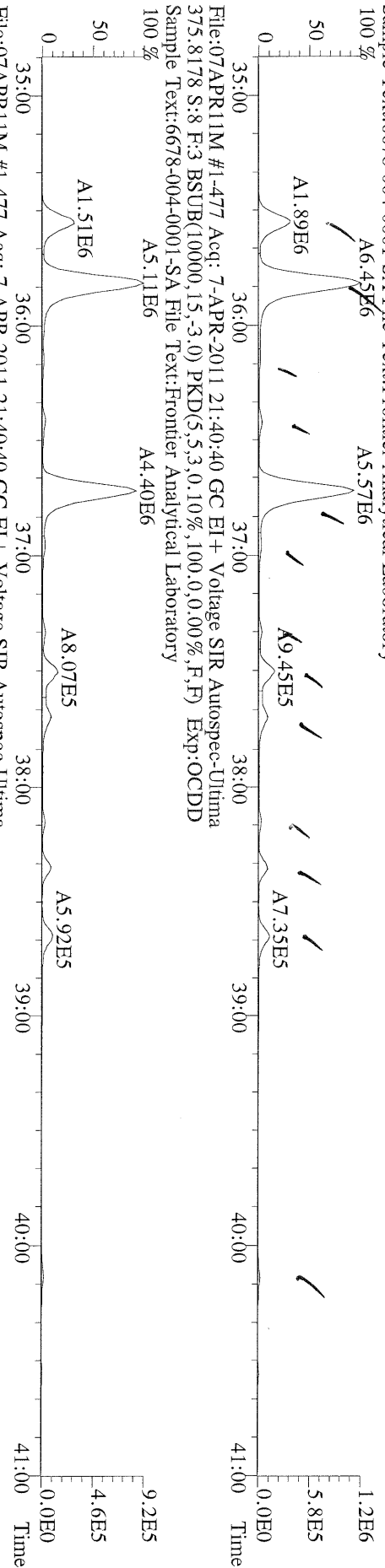
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
 353.8970 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



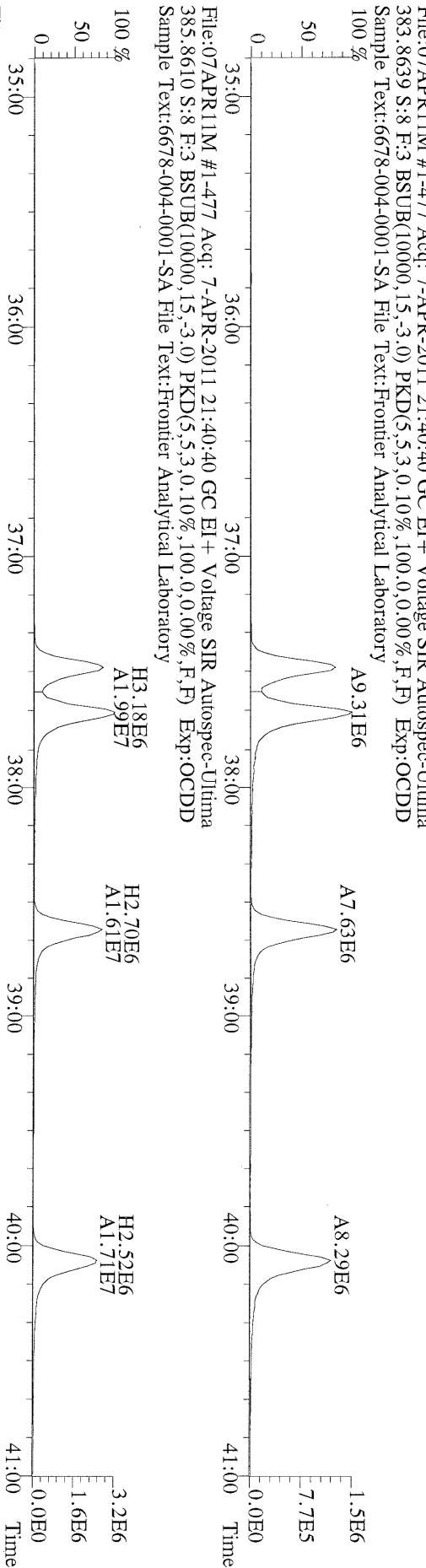
File:07APR11M #1-412 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
 409.7974 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



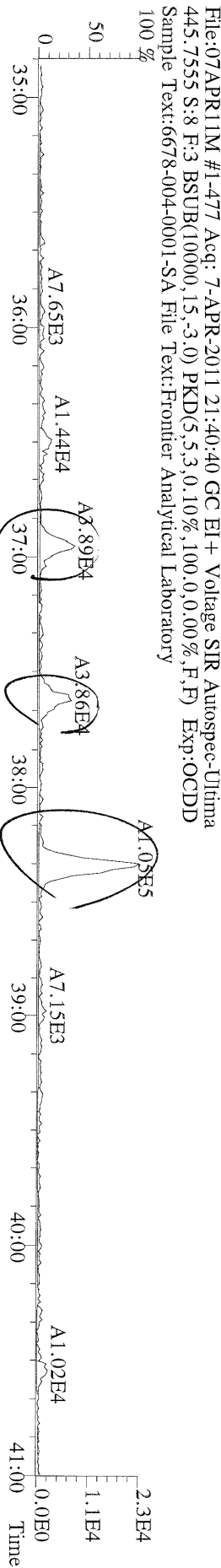
File:07APR11M #1-477 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



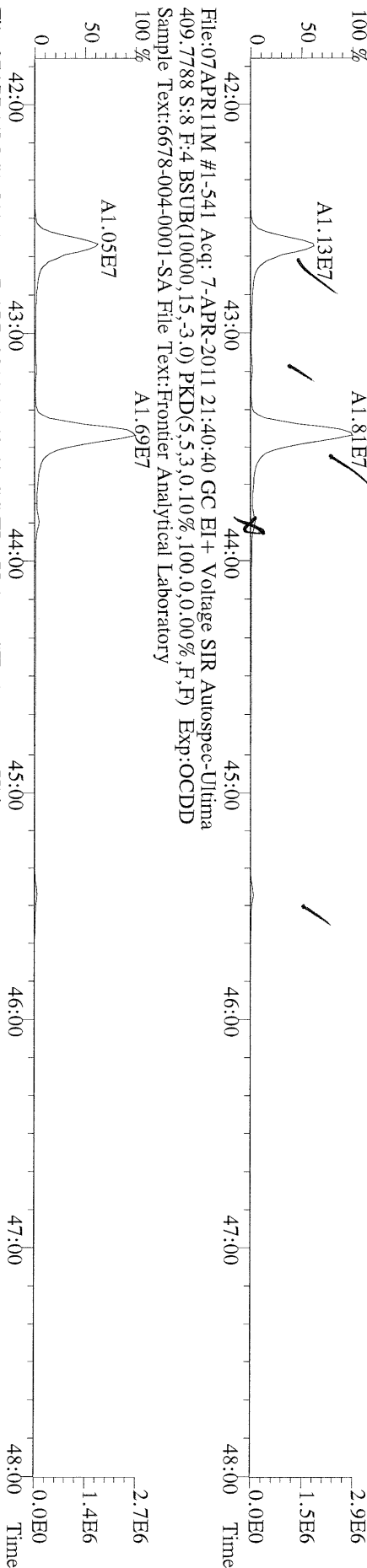
File:07APR11M #1-477 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



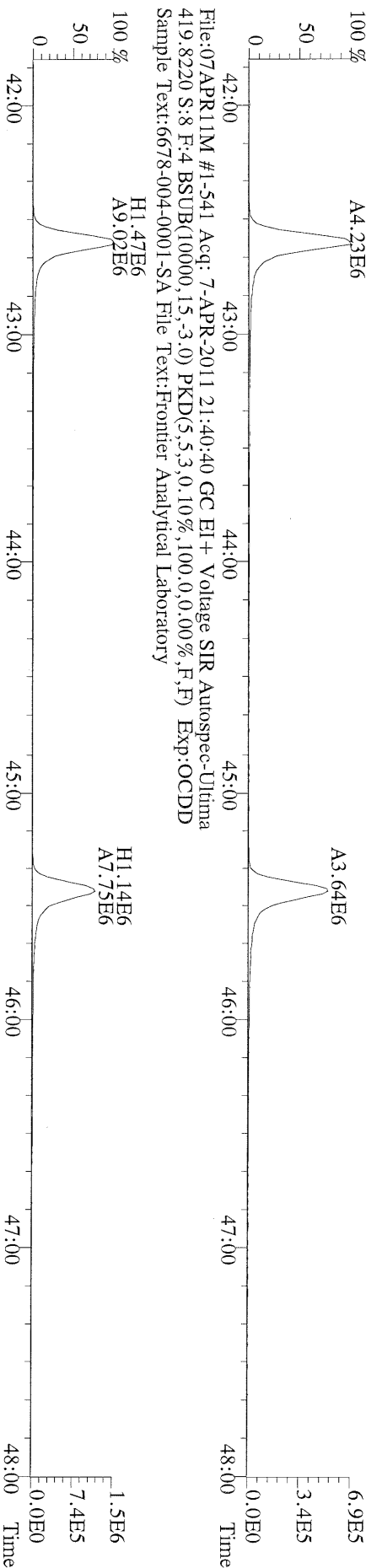
File:07APR11M #1-477 Acq: 7-APR-2011 21:40:40 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



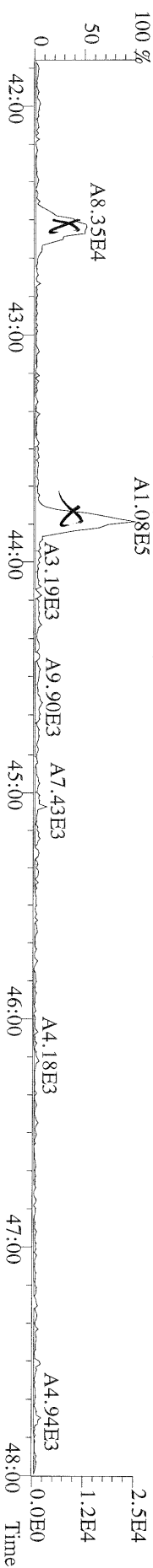
File:07APR11M #1-541 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



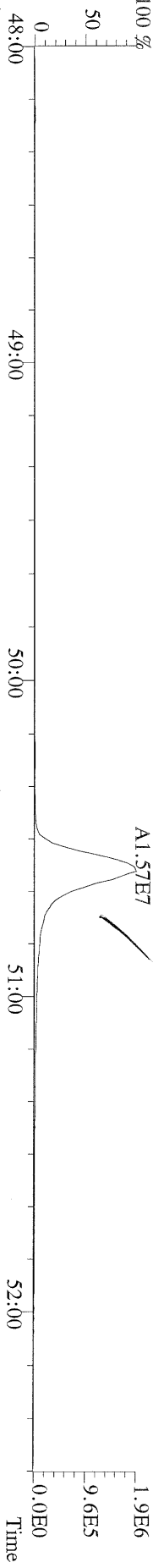
File:07APR11M #1-541 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
417.8253 S:8 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



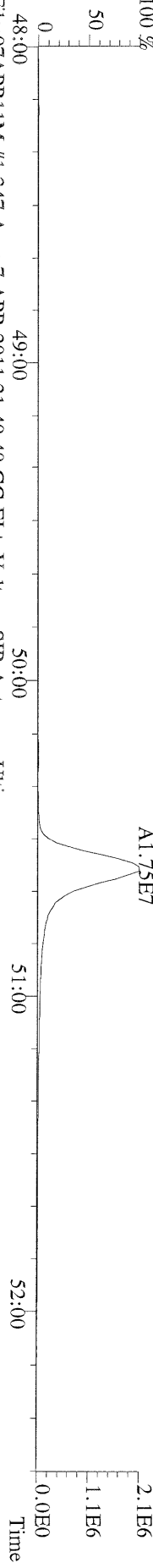
File:07APR11M #1-541 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
479.7165 S:8 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



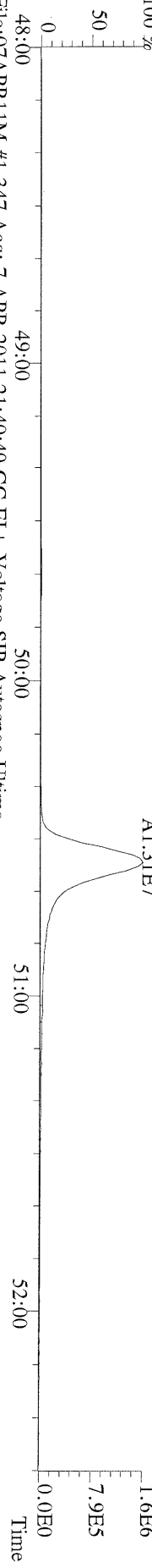
File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



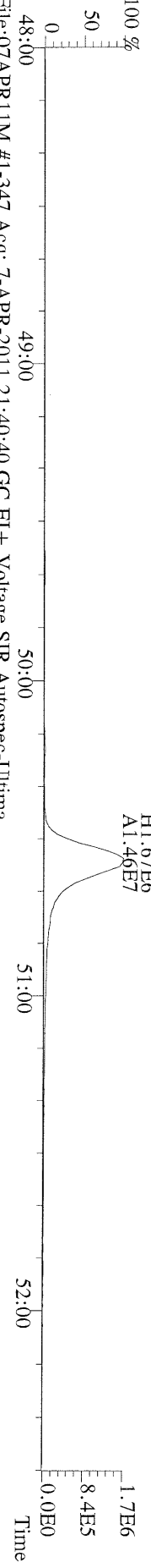
File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



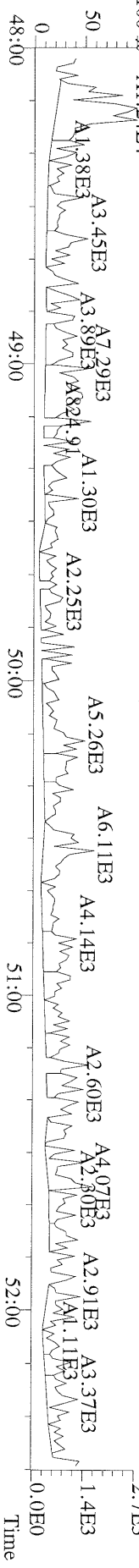
File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 7-APR-2011 21:40:40 GC EI + Voltage SIR Autospec-Ultima
513.6775 S:8 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-004-0001-SA File Text:Frontier Analytical Laboratory



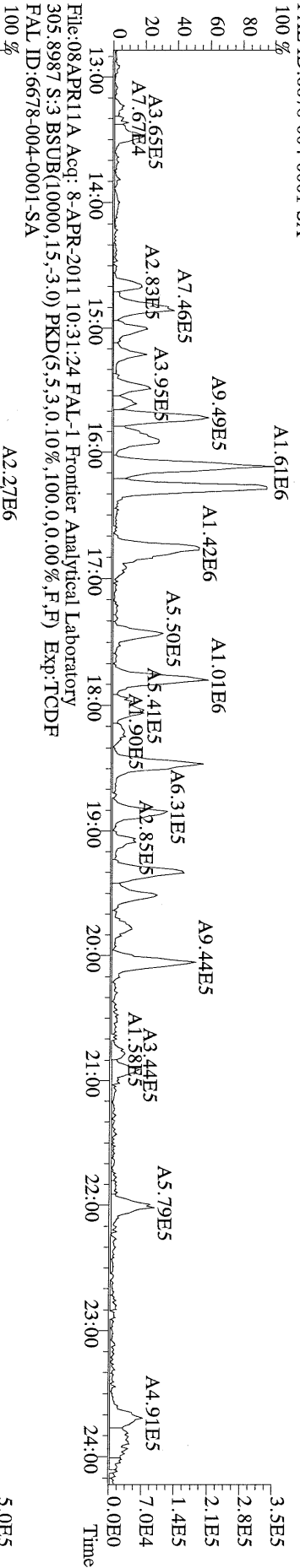
FAL ID: 6678-004-0001-SA Filename: 08APR11A Sam:3 Acquired: 8-APR-11 10:31:24 ICal: tcdfal1-2-18-11
Client ID: LL-SED2-0-56-031511 ConCal: ST040811A1 EndCal: ST040811A2
Results: 6678TCDF GC Column: DB225 Amount: 3.200

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom	Rec
2,3,7,8-TCDF	2.06e+06	0.69 y	19:20	1.16	9.24		2.50	-	-	1	
13C-2,3,7,8-TCDF	1.21e+08	0.80 y	19:19	1.05	432						69.1
13C-1,2,3,4-TCDF	1.66e+08	0.79 y	16:45	-	29.3						

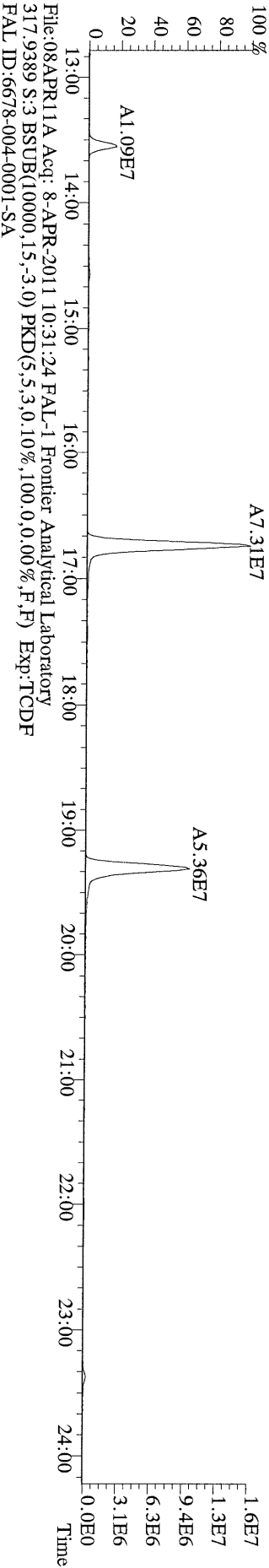
Analyst: 

Date: 4/8/11

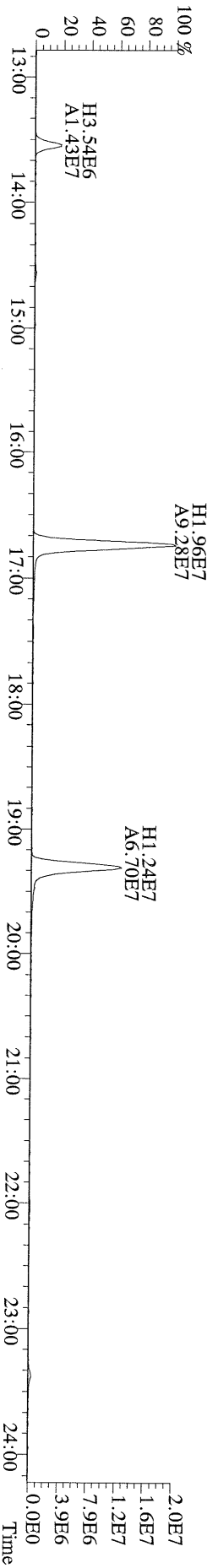
File:08APR11A Acq: 8-APR-2011 10:31:24 FAL-1 Frontier Analytical Laboratory
 303.9016 S:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:TCDF
 FAL ID:6678-004-0001-SA



File:08APR11A Acq: 8-APR-2011 10:31:24 FAL-1 Frontier Analytical Laboratory
 315.9419 S:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:TCDF
 FAL ID:6678-004-0001-SA



File:08APR11A Acq: 8-APR-2011 10:31:24 FAL-1 Frontier Analytical Laboratory
 317.9389 S:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,100.0,0.00%,F,F) Exp:TCDF
 FAL ID:6678-004-0001-SA



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	792	872	0.422	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	772	760	0.485	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	875	804	0.431	
1,2,3,6,7,8-HxCDD	5.64e+04	1.12 y	39:01	1.45	1.25	J	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	1060	823	0.536	
1,2,3,4,6,7,8-HpCDD	1.10e+06	0.91 y	44:28	1.30	28.9		2.50	-	-	*	
OCDD	6.09e+06	0.93 y	50:07	1.45	232		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	1100	1360	0.347	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	776	812	0.349	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	776	812	0.380	
1,2,3,4,7,8-HxCDF	5.49e+04	1.21 y	37:28	1.01	1.00	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	1140	836	0.475	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	1140	836	0.491	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	1140	836	0.464	
1,2,3,4,6,7,8-HpCDF	2.80e+05	1.10 y	42:35	1.48	5.98	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	692	680	0.527	
OCDF	3.59e+05	0.86 y	50:30	0.84	14.3		2.50	-	-	*	
Rec											
13C-2,3,7,8-TCDD	2.26e+07	0.75 y	27:36	1.03	499					87.5	
13C-1,2,3,7,8-PeCDD	2.49e+07	1.76 y	33:27	1.01	559					98.1	
13C-1,2,3,4,7,8-HxCDD	1.92e+07	1.30 y	38:50	1.19	446					78.2	
13C-1,2,3,6,7,8-HxCDD	1.77e+07	1.31 y	38:60	0.94	521					91.4	
13C-1,2,3,4,6,7,8-HpCDD	1.67e+07	1.01 y	44:27	0.83	558					97.9	
13C-OCDD	2.07e+07	0.92 y	50:05	0.61	938					82.3	
13C-2,3,7,8-TCDF	4.01e+07	0.86 y	26:50	0.98	566					99.4	
13C-1,2,3,7,8-PeCDF	3.79e+07	1.63 y	31:43	0.83	632					111	
13C-2,3,4,7,8-PeCDF	3.52e+07	1.61 y	33:03	0.80	608					107	
13C-1,2,3,4,7,8-HxCDF	3.10e+07	0.47 y	37:27	1.84	464					81.4	
13C-1,2,3,6,7,8-HxCDF	4.05e+07	0.48 y	37:38	2.29	488					85.6	
13C-2,3,4,6,7,8-HxCDF	3.29e+07	0.49 y	38:35	1.86	487					85.5	
13C-1,2,3,7,8,9-HxCDF	3.51e+07	0.49 y	40:02	1.98	488					85.7	
13C-1,2,3,4,6,7,8-HpCDF	1.80e+07	0.48 y	42:32	0.99	504					88.4	
13C-1,2,3,4,7,8,9-HpCDF	1.71e+07	0.47 y	45:23	0.77	616					108	
13C-OCDF	3.39e+07	0.92 y	50:29	1.17	803					70.5	
37Cl-2,3,7,8-TCDD	6.30e+06		27:37	0.73	196					86.0	
13C-1,2,3,4-TCDD	2.51e+07	0.75 y	27:00	-	18.8						
13C-1,2,3,4-TCDF	4.11e+07	0.88 y	25:44	-	16.3						
13C-1,2,3,7,8,9-HxCDD	2.07e+07	1.27 y	39:27	-	23.7						
Total Tetra-Dioxins	*		NotFnd	1.13	*		2.50	792	872	0.422	0
Total Penta-Dioxins	1.05e+05		30:27	1.02	2.36	J	2.50	-	-	*	1
Total Hexa-Dioxins	4.44e+05		36:23	1.46	9.46		2.50	-	-	*	3
Total Hepta-Dioxins	2.12e+06		43:05	1.30	55.7		2.50	-	-	*	2
Total Tetra-Furans	2.38e+05		23:59	1.15	2.95		2.50	-	-	*	1
1st Fn. Tot Penta-Furans	8.37e+04		28:40	0.89	1.47	J	2.50	-	-	* PeCDF	1
Total Penta-Furans	5.51e+04		30:28	0.89	0.966	J	2.50	-	-	*	2.43 1
Total Hexa-Furans	4.24e+05		35:31	1.00	7.04	J	2.50	-	-	*	2.44 4
Total Hepta-Furans	6.94e+05		42:35	1.46	15.2		2.50	-	-	*	2.44 2

Analyst: [Signature] Date: 4/8/11
 4/11/11

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 15

File: 07APR11M

S: 7 I: 1 F: 2

Acquired: 7-APR-11 20:45:17

Total Concentration: 2.36

Unnamed Concentration: 2.362

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
30:27	6.17e+04	4.30e+04	1.43 y	1.05e+05	2.36

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 15

File: 07APR11M

S: 7 I: 1 F: 3

Acquired: 7-APR-11 20:45:17

Total Concentration: 9.46

Unnamed Concentration: 8.208

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:23	1.16e+05	8.96e+04	1.29 y	2.05e+05	4.35	
37:45	1.02e+05	8.08e+04	1.26 y	1.82e+05	3.86	
39:01	2.98e+04	2.67e+04	1.12 y	5.64e+04	1.25	1,2,3,6,7,8-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 15

File: 07APR11M

S: 7 I: 1 F: 4

Acquired: 7-APR-11 20:45:17

Total Concentration: 55.7

Unnamed Concentration: 26.760

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:05	4.83e+05	5.38e+05	0.90 y	1.02e+06	26.8	
44:28	5.26e+05	5.77e+05	0.91 y	1.10e+06	28.9	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 15

File: 07APR11M

S: 7 I: 1 F: 1

Acquired: 7-APR-11 20:45:17

Total Concentration: 2.95

Unnamed Concentration: 2.945

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
23:59	9.40e+04	1.44e+05	0.65 y	2.38e+05	2.95

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

Run: 15 File: 07APR11M S: 7 I: 1 F: 1
Acquired: 7-APR-11 20:45:17

Total Concentration: 1.47 Unnamed Concentration: 1.467

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:40	4.76e+04	3.61e+04	1.32 y	8.37e+04	1.47

Totals class: Total Penta-Furans

Entry #: 44

Run: 15

File: 07APR11M

S: 7 I: 1 F: 2

Acquired: 7-APR-11 20:45:17

Total Concentration: 0.966

Unnamed Concentration: 0.966

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
30:28	3.17e+04	2.34e+04	1.36 y	5.51e+04	0.966

Totals class: Total Hexa-Furans

Entry #: 45

Run: 15

File: 07APR11M

S: 7 I: 1 F: 3

Acquired: 7-APR-11 20:45:17

Total Concentration: 7.04

Unnamed Concentration: 6.034

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:31	2.92e+04	2.66e+04	1.10 y	5.58e+04	0.912	
35:46	8.79e+04	7.41e+04	1.19 y	1.62e+05	2.65	
36:40	8.23e+04	6.92e+04	1.19 y	1.52e+05	2.48	
37:28	3.01e+04	2.48e+04	1.21 y	5.49e+04	1.00	1,2,3,4,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 15

File: 07APR11M

S: 7 I: 1 F: 4

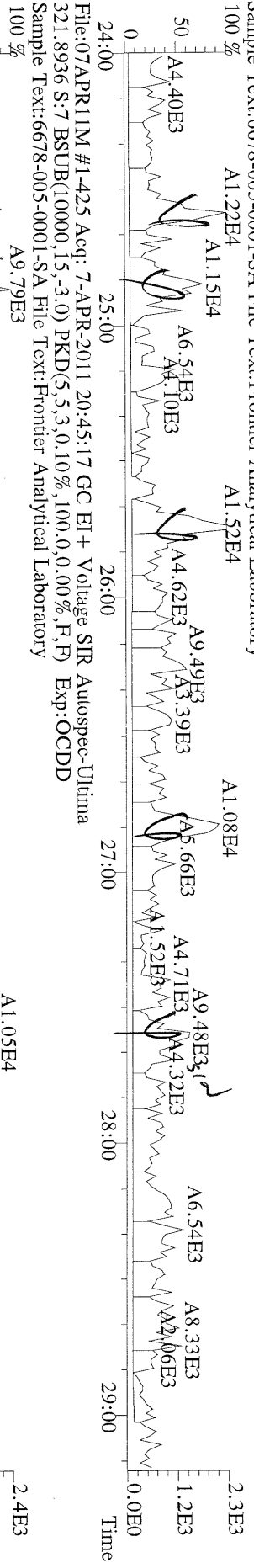
Acquired: 7-APR-11 20:45:17

Total Concentration: 15.2

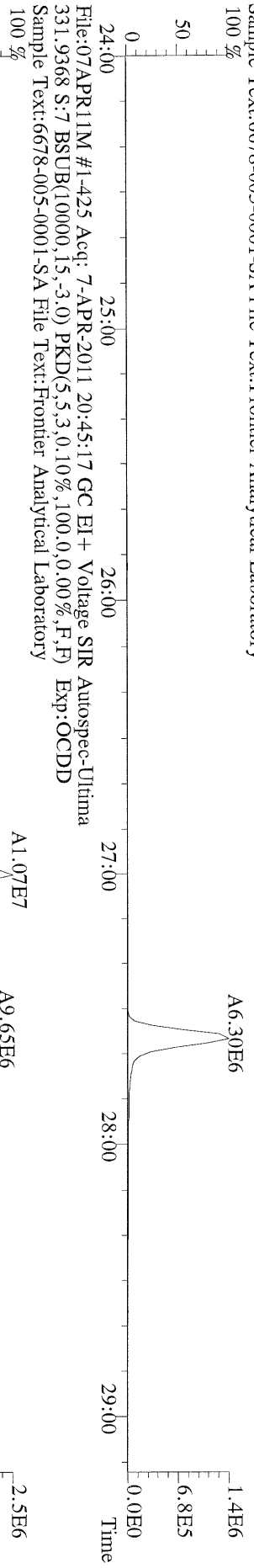
Unnamed Concentration: 9.209

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:35	1.47e+05	1.34e+05	1.10 y	2.80e+05	5.98	1,2,3,4,6,7,8-HpCDF
43:24	2.16e+05	1.98e+05	1.09 y	4.14e+05	9.21	

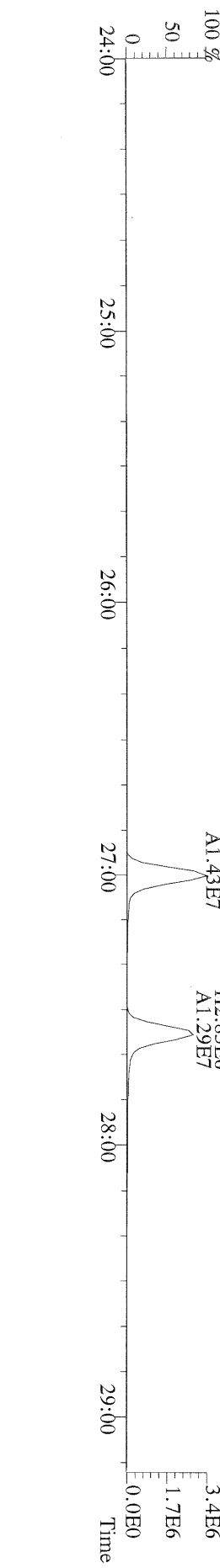
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319.8965 S: 7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



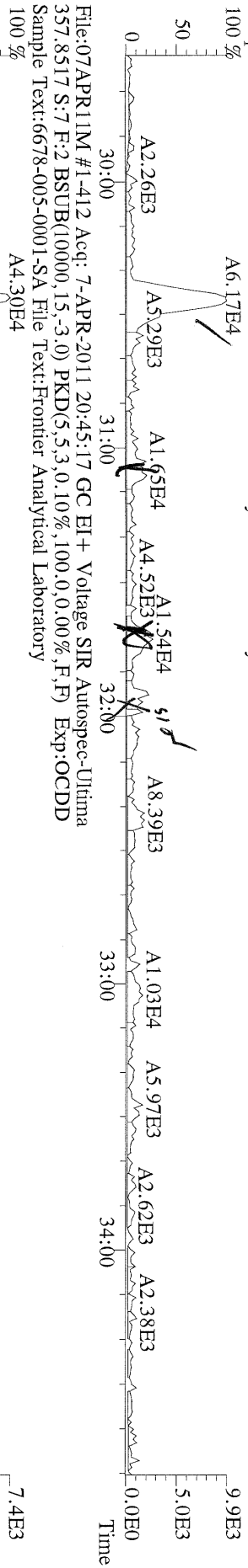
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Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



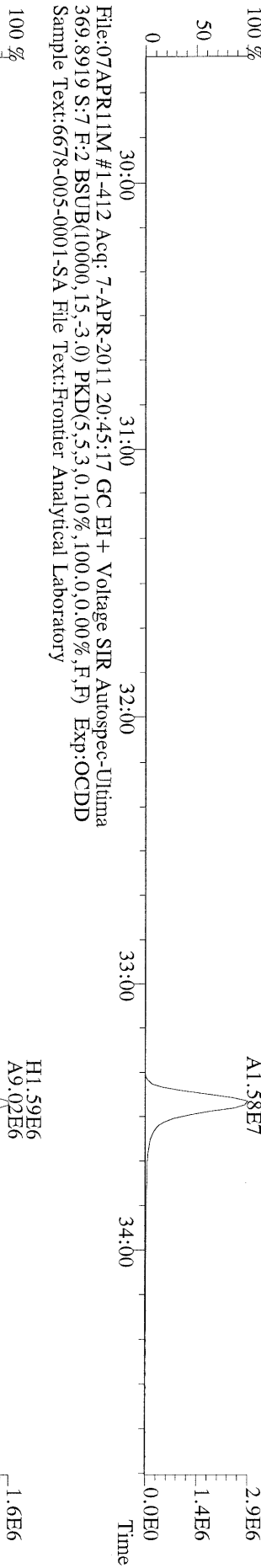
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333.9339 S: 7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



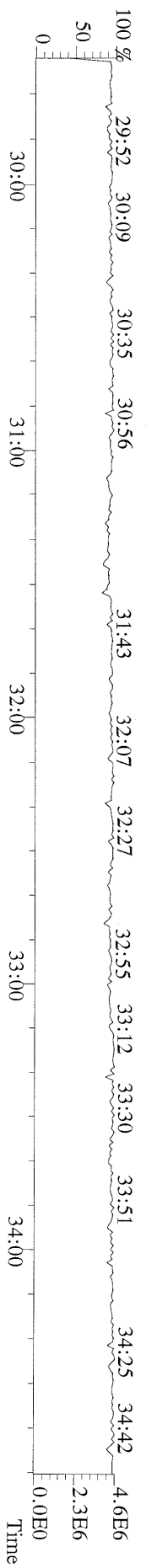
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355.8546 S: 7 F: 2 BSUB(10000, 15, -3.0) PKD(5, 5.3, 0.10%, 100.0, 0.00%, F, F) Exp: OCDD
Sample Text: 6678-005-0001-SA File Text: Frontier Analytical Laboratory



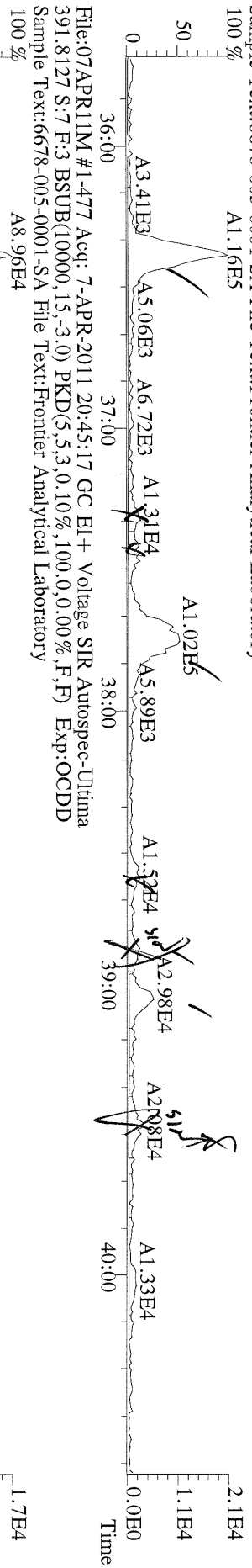
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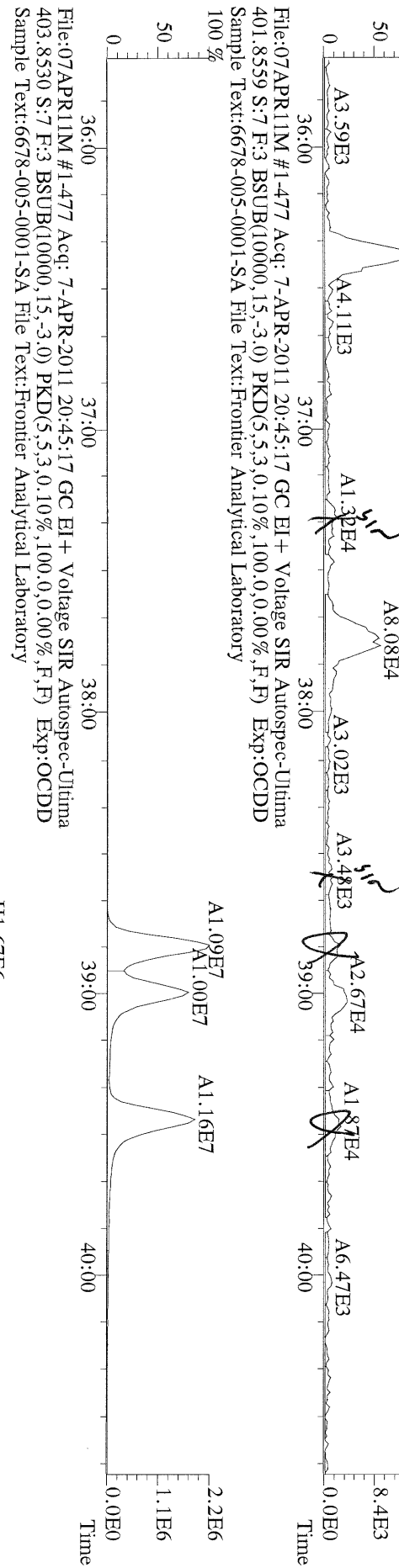
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366.9792 S: 7 F: 2 Exp: OCDD
Sample Text: 6678-005-0001-SA File Text: Frontier Analytical Laboratory



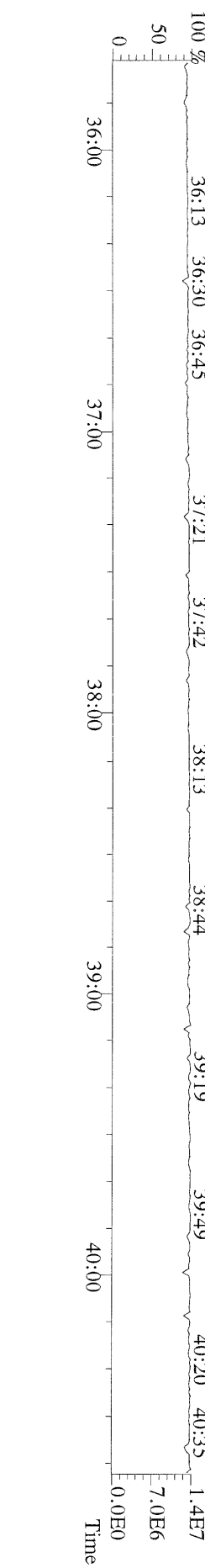
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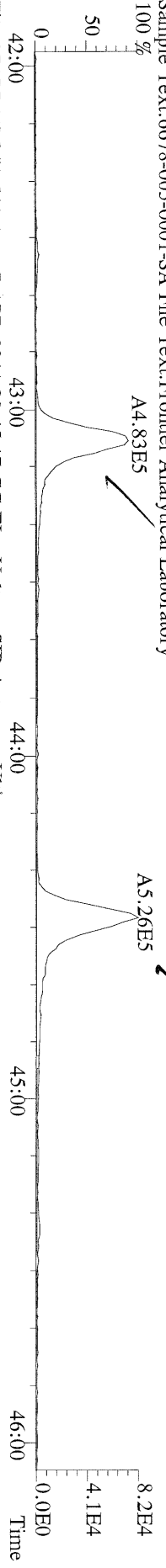
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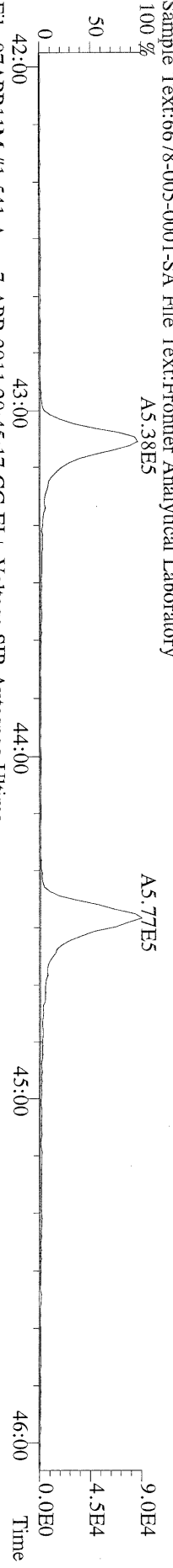
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 380.9760 S:7 F:3 Exp:OCDD
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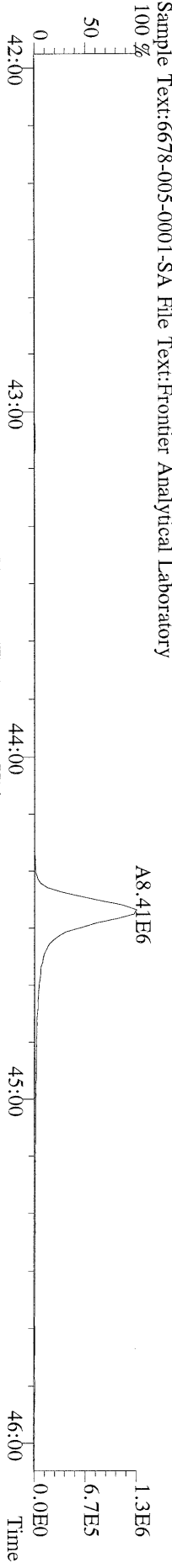
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423.7767 S: 7 F: 4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



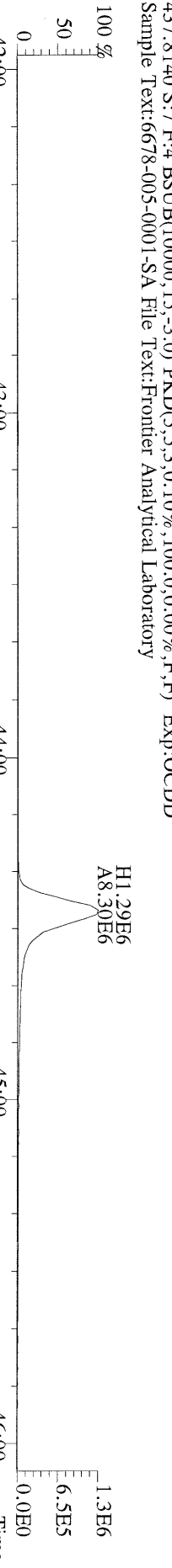
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425.7737 S: 7 F: 4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



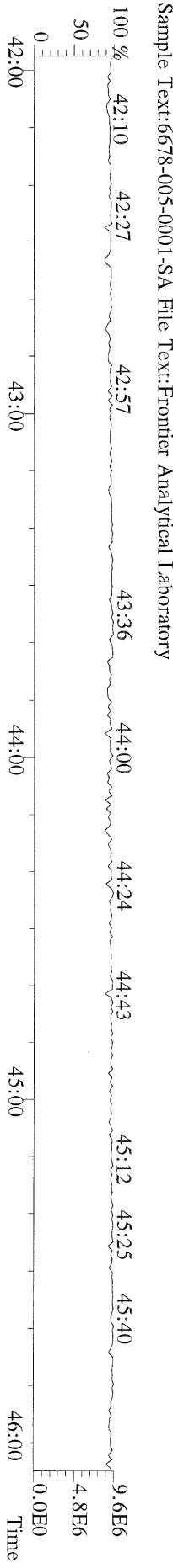
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435.8169 S: 7 F: 4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
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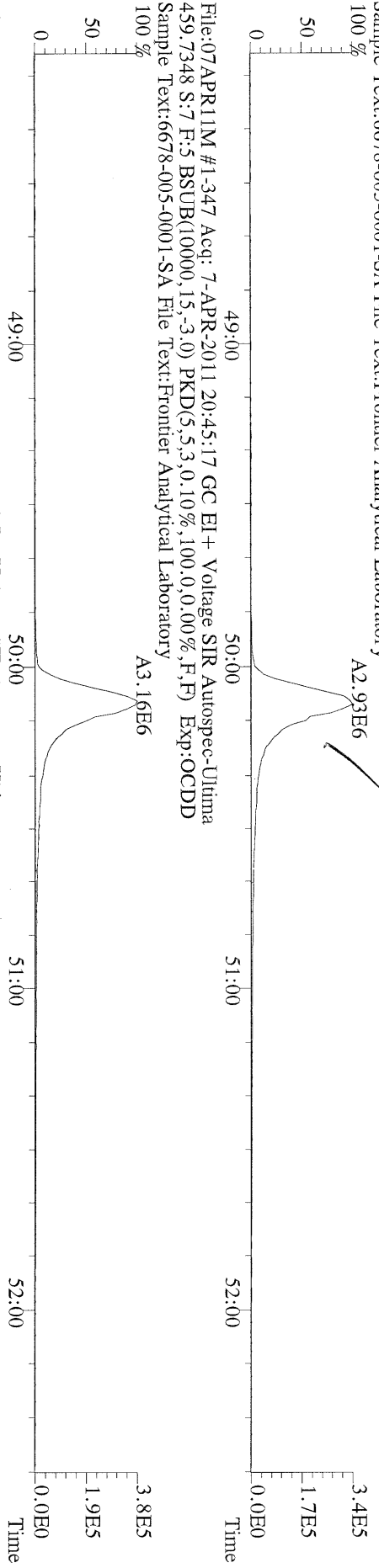
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437.8140 S: 7 F: 4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
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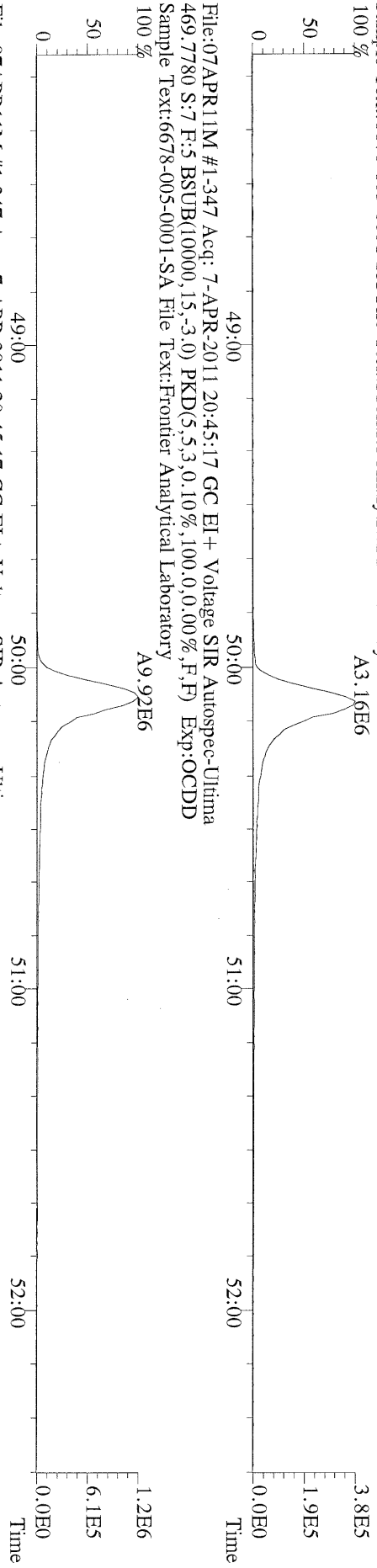
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430.9728 S: 7 F: 4 Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



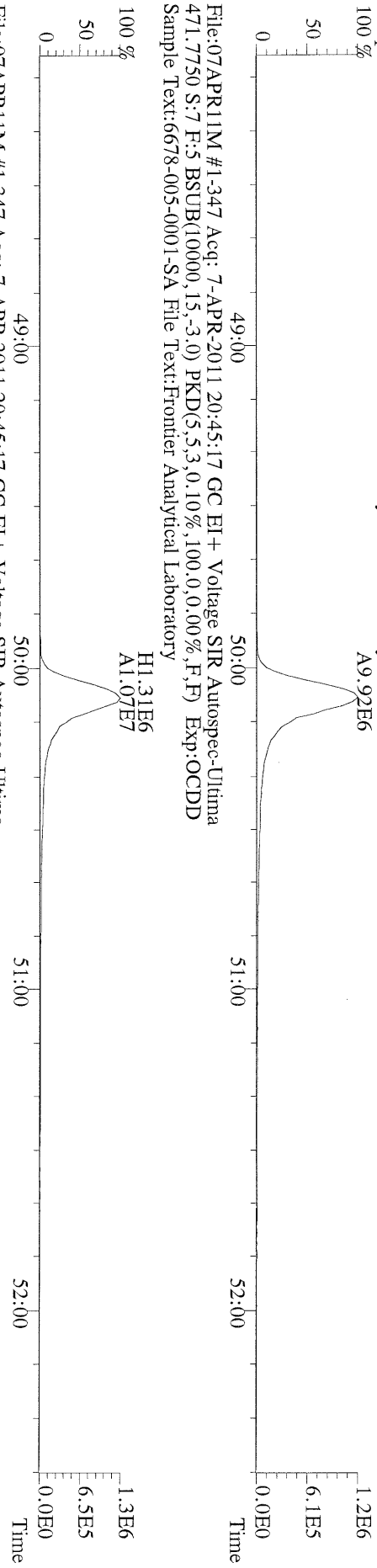
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457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0,0) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



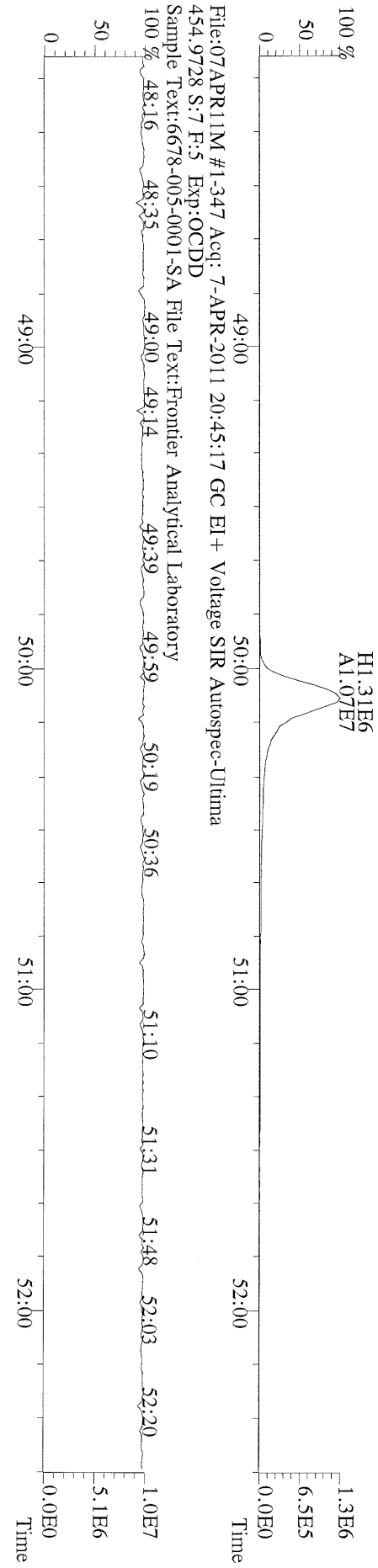
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459.7348 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
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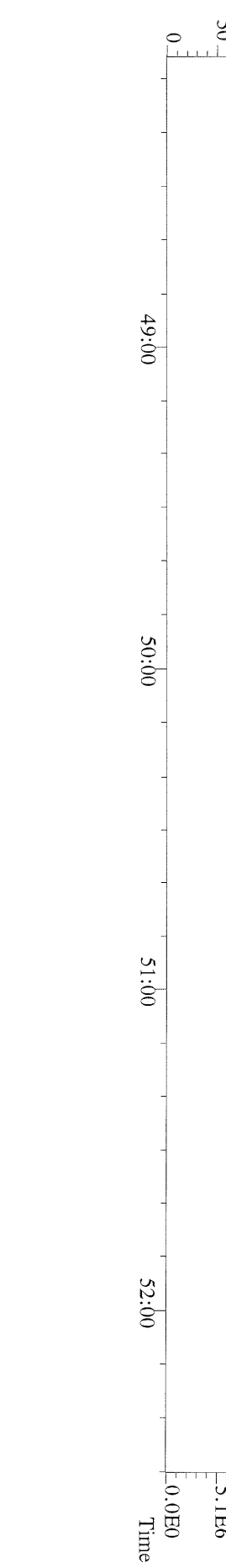
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469.7780 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
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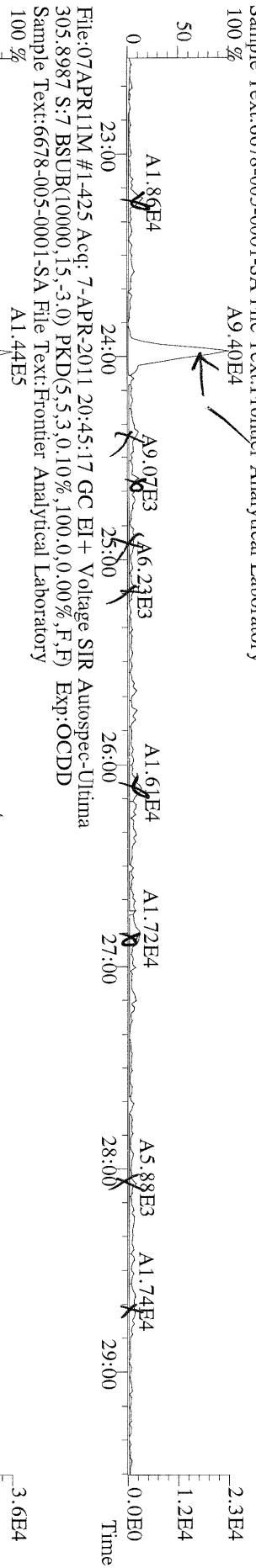
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471.7750 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:OCDD
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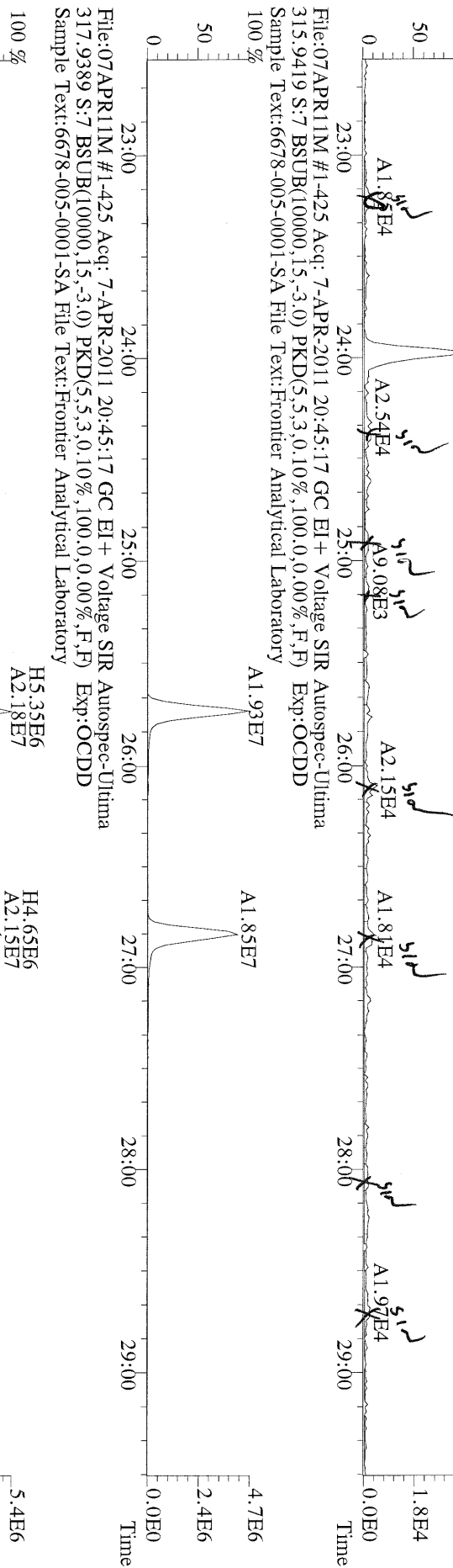
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454.9728 S:7 F:5 Exp:OCDD
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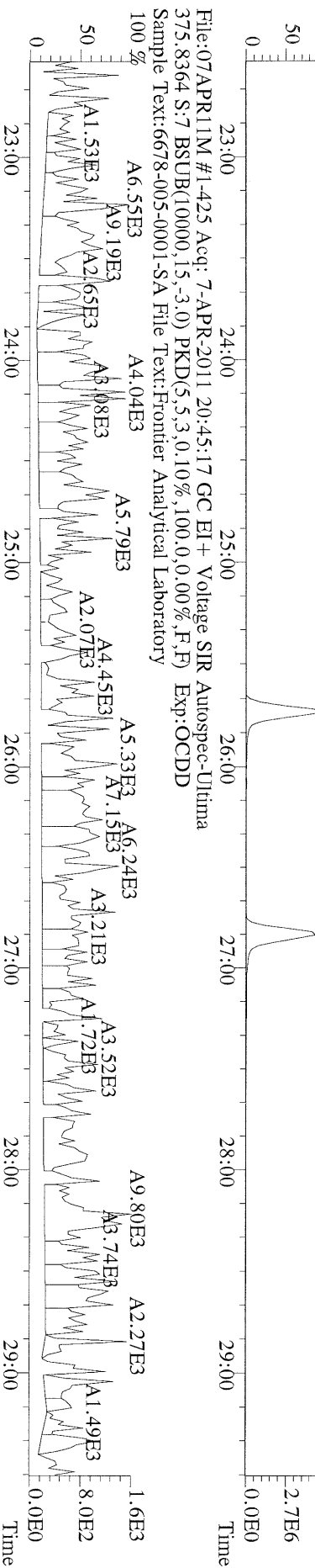
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303.9016 S: 7 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



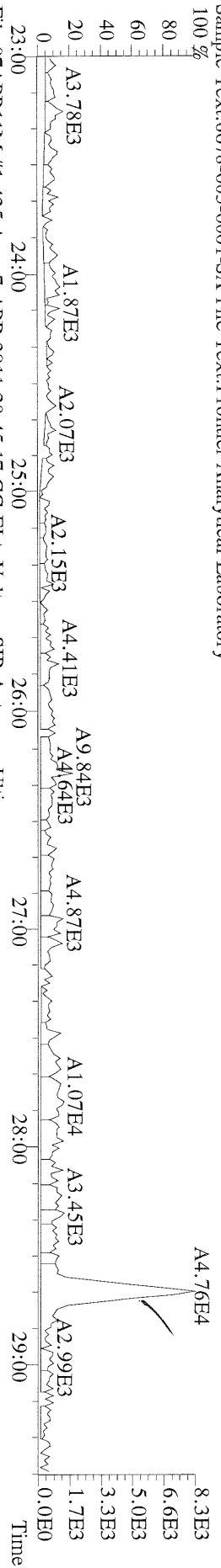
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315.9419 S: 7 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
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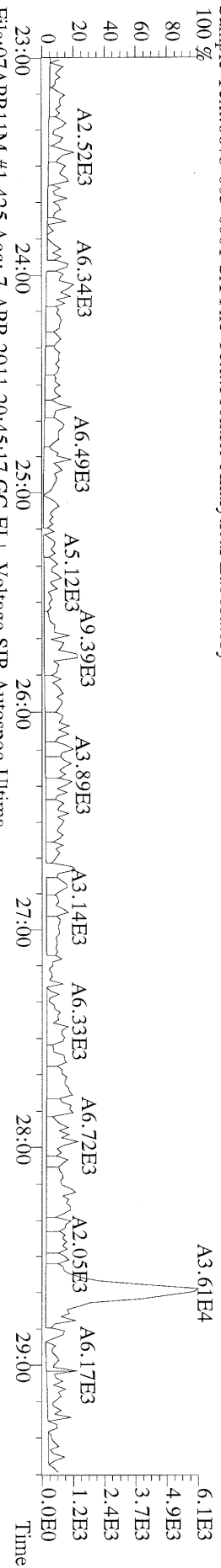
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375.8364 S: 7 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:OCDD
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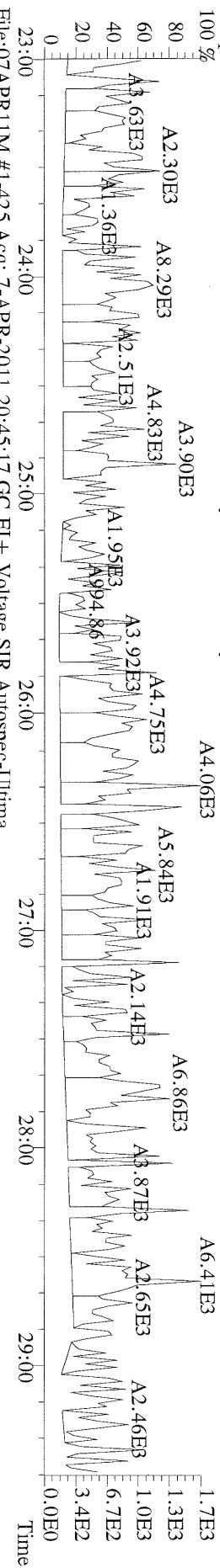
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 339.8597 S:7 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD
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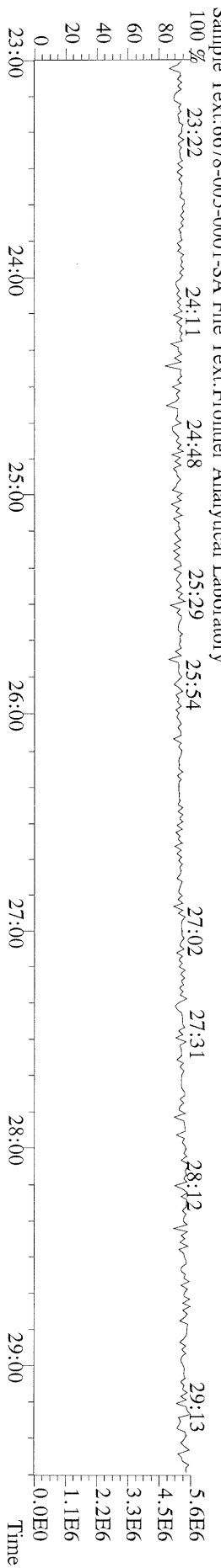
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 341.8568 S:7 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD
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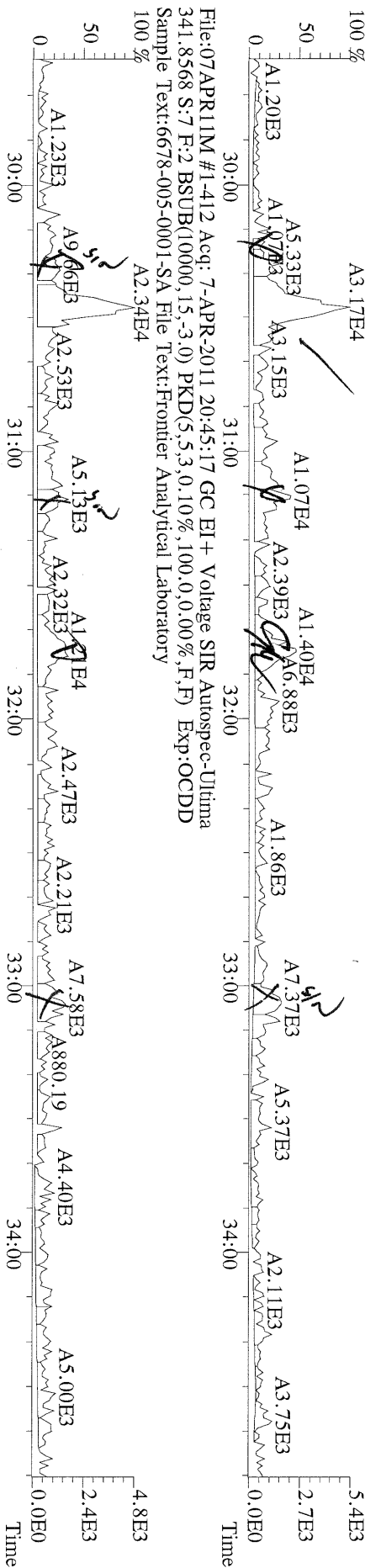
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 409.7974 S:7 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:OCDD
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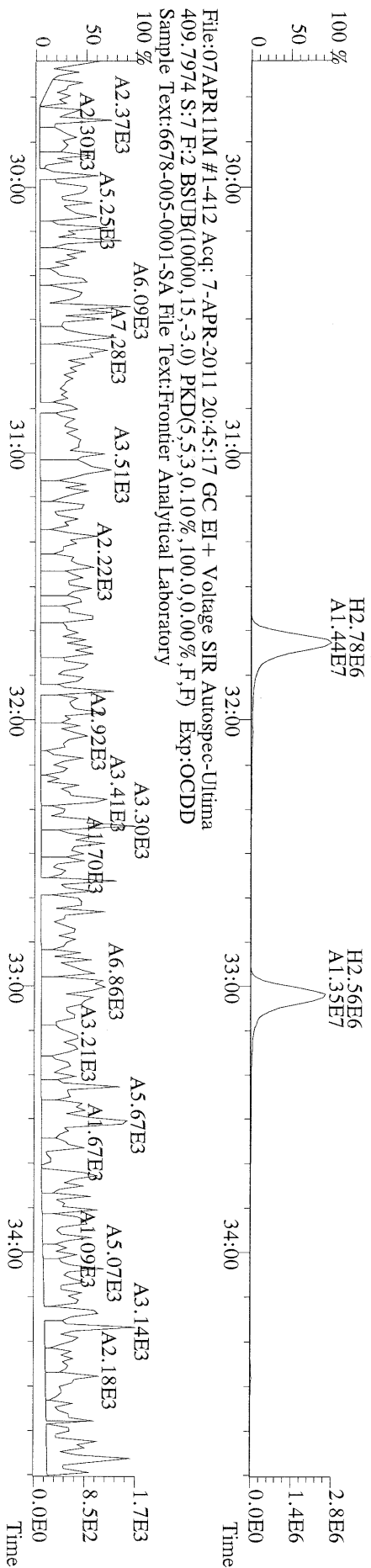
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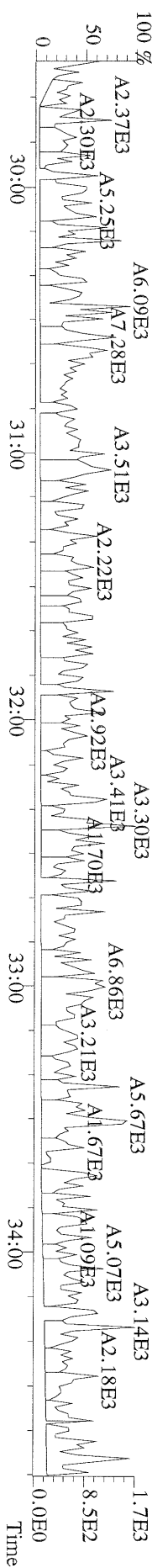
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Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



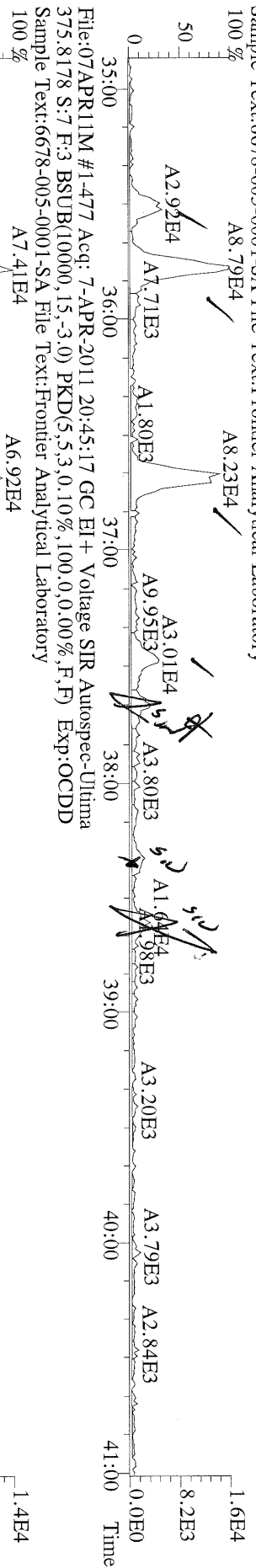
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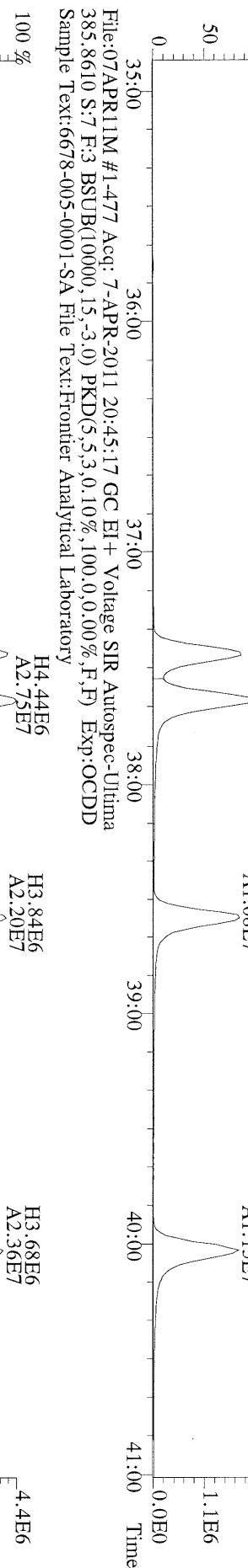
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Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



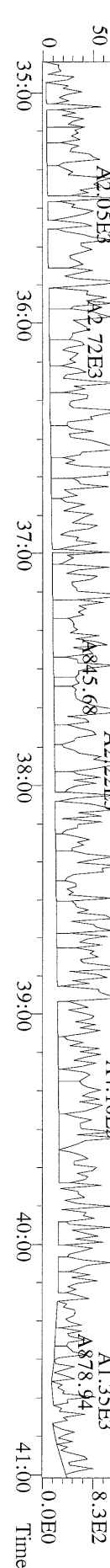
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373.8207 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
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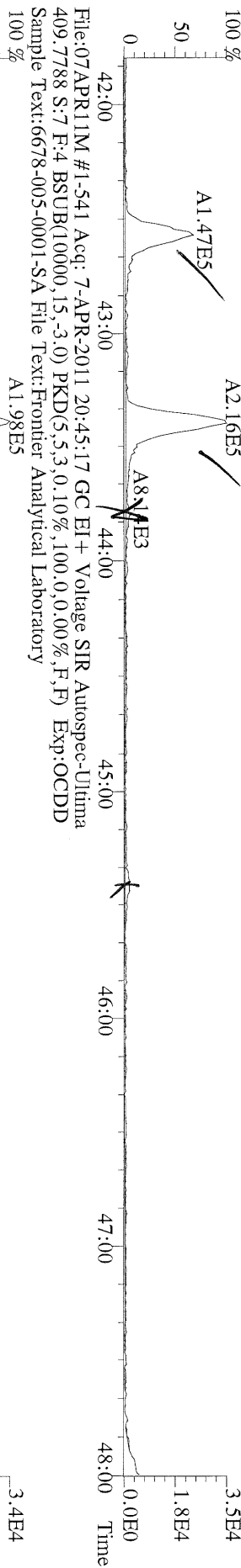
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383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
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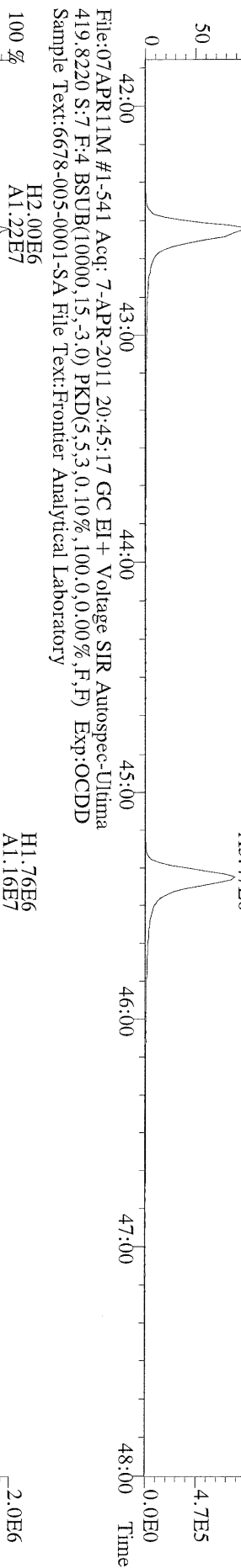
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445.7555 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
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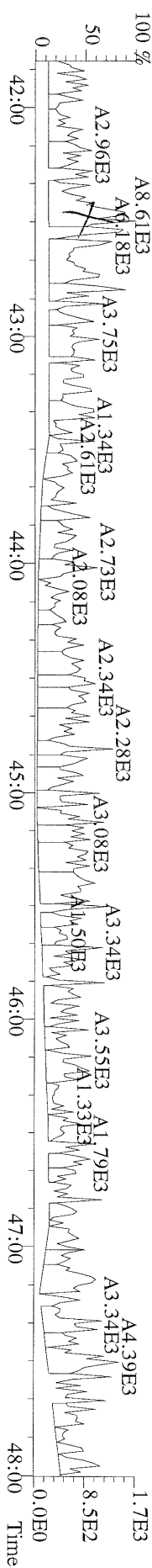
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 407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
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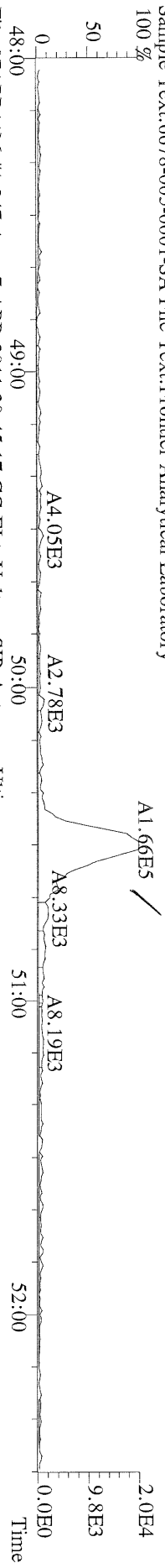
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 417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
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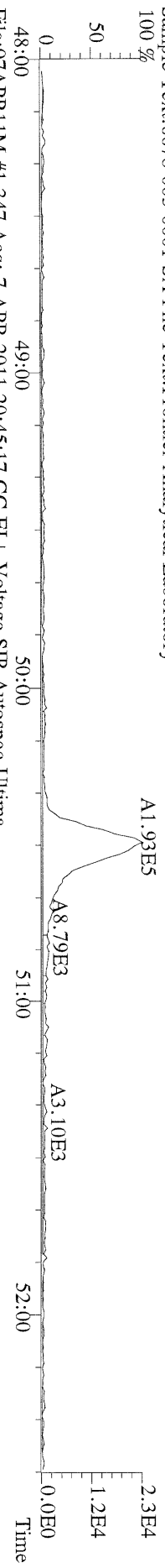
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 479.7165 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



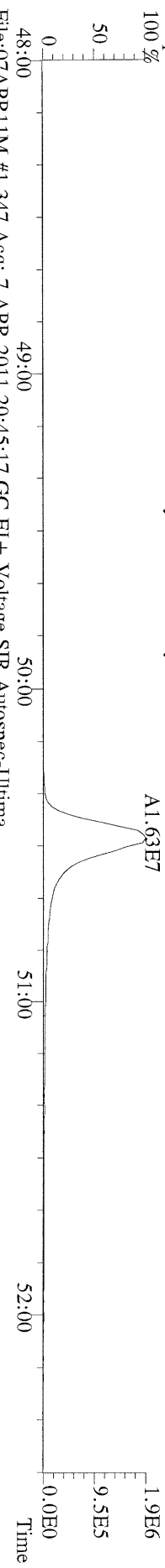
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Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



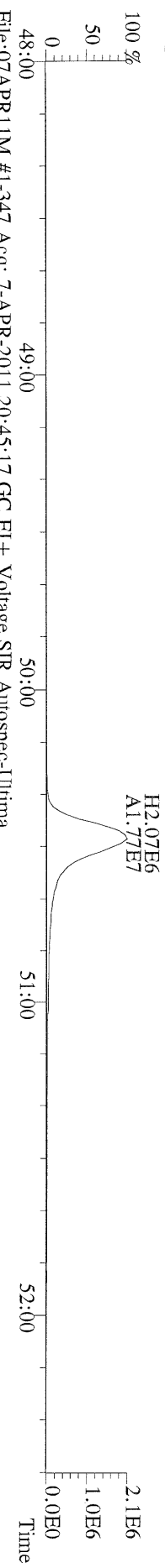
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443.7398 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



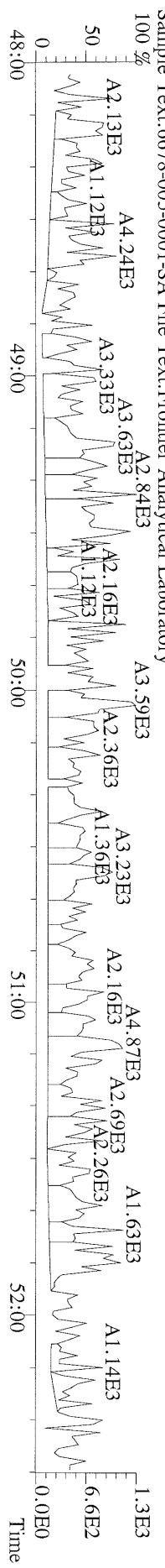
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453.7831 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0001-SA File Text:Frontier Analytical Laboratory



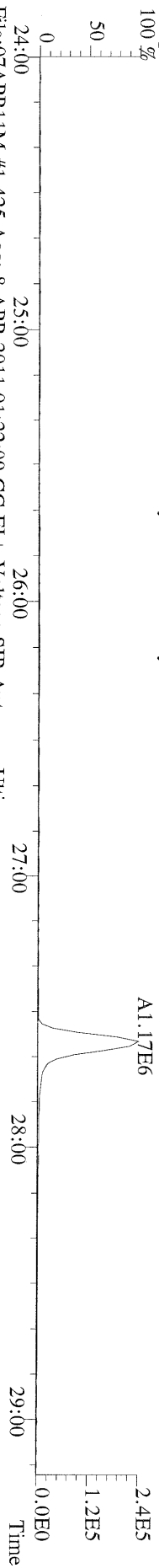
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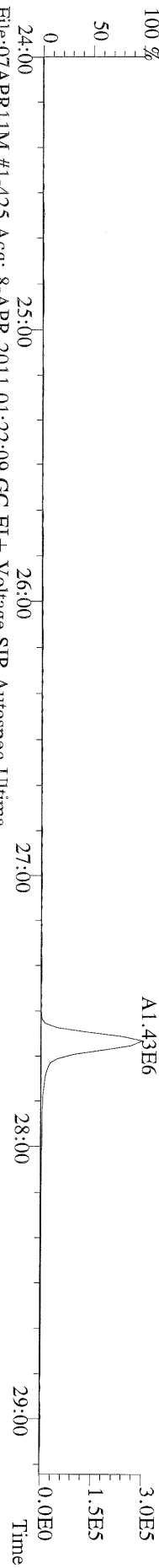
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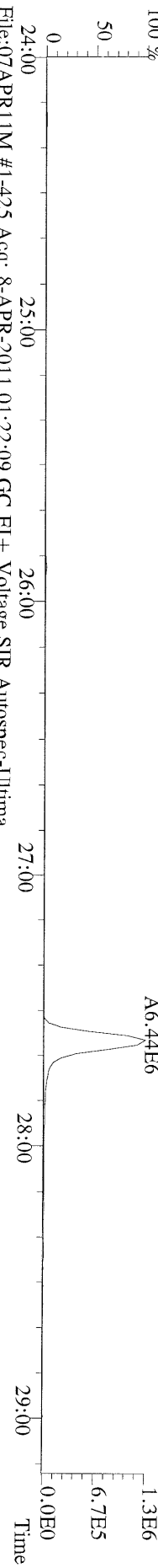
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319.8965 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-M5 File Text:Frontier Analytical Laboratory
100 %



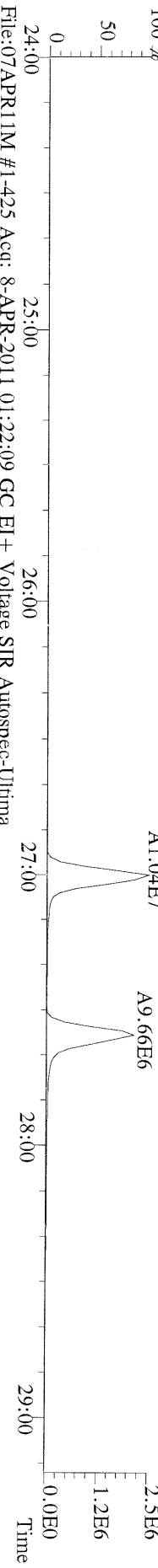
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321.8936 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-M5 File Text:Frontier Analytical Laboratory
100 %



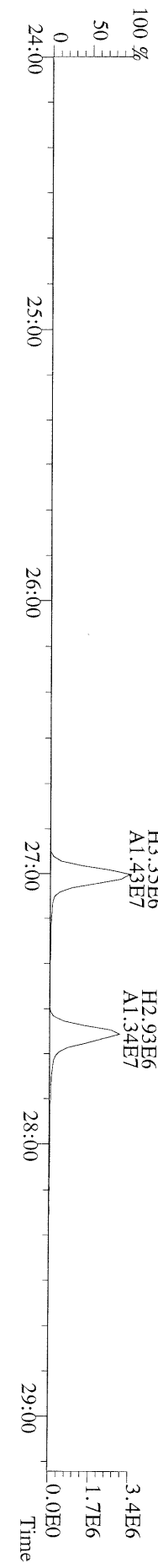
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327.8847 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-M5 File Text:Frontier Analytical Laboratory
100 %



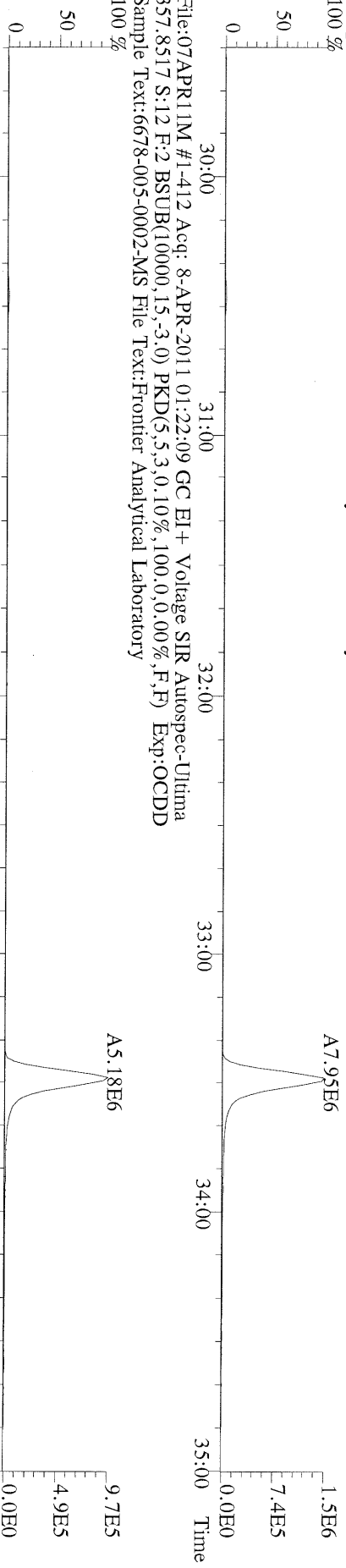
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331.9368 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-M5 File Text:Frontier Analytical Laboratory
100 %



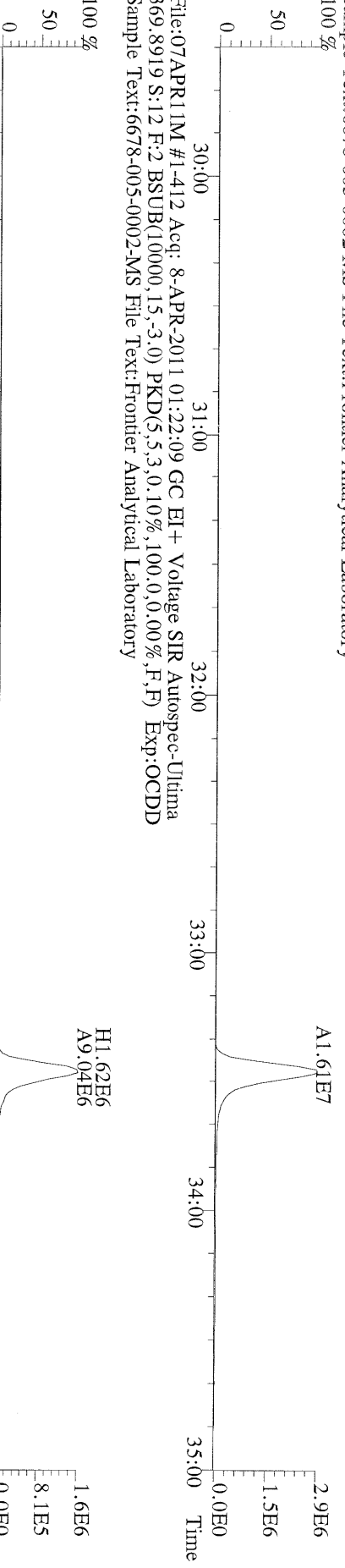
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333.9339 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-M5 File Text:Frontier Analytical Laboratory



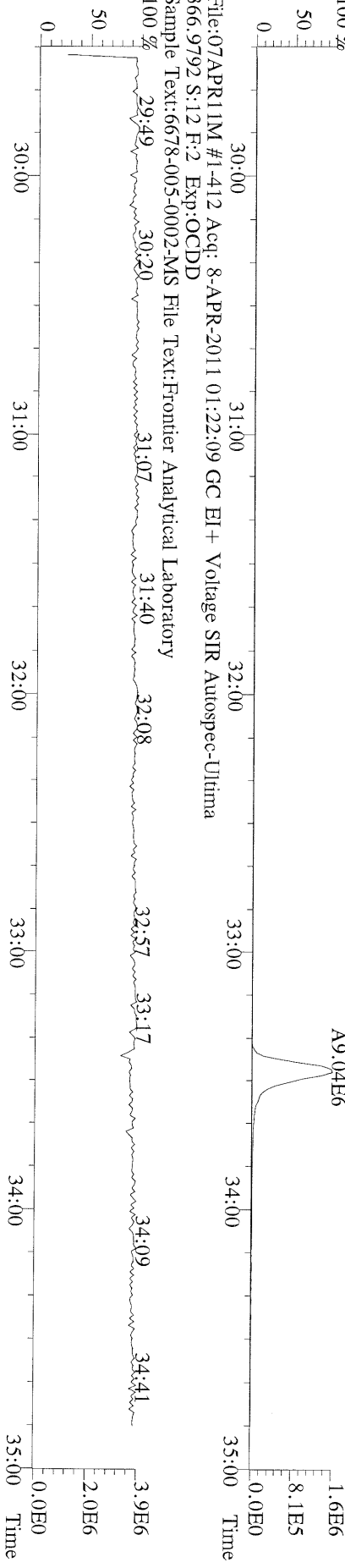
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355.8546 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory
100 %



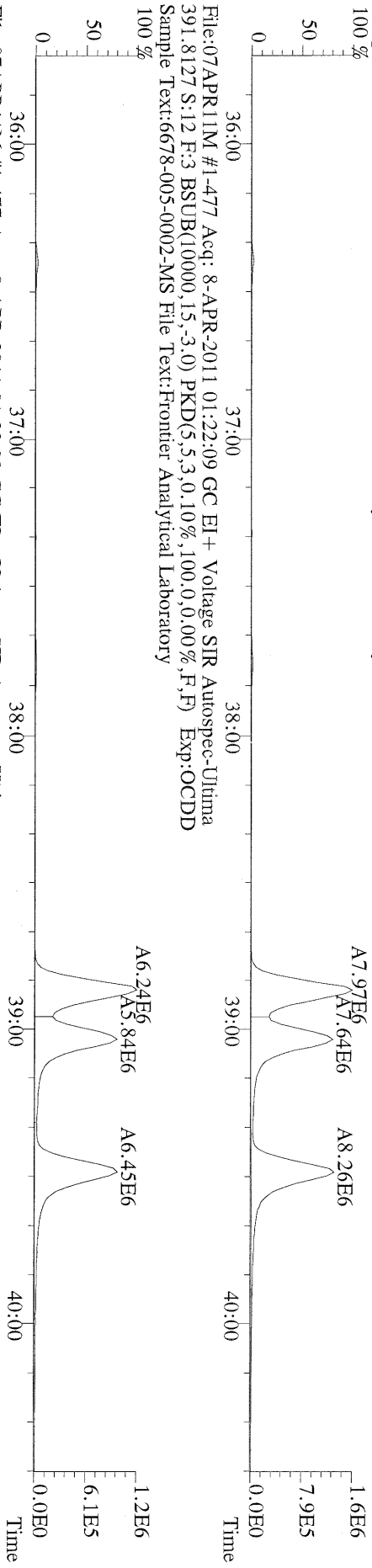
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367.8949 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory
100 %



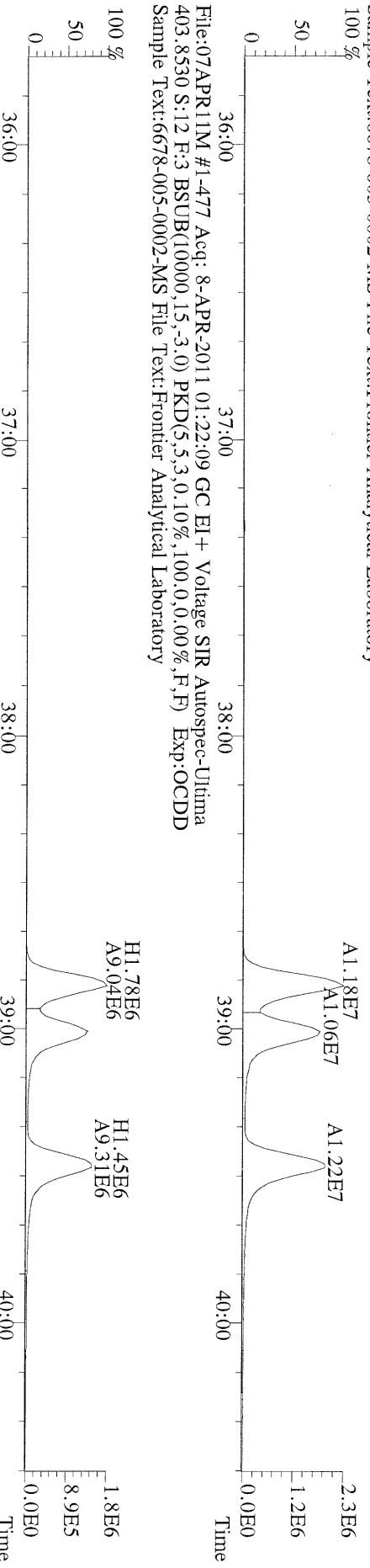
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Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



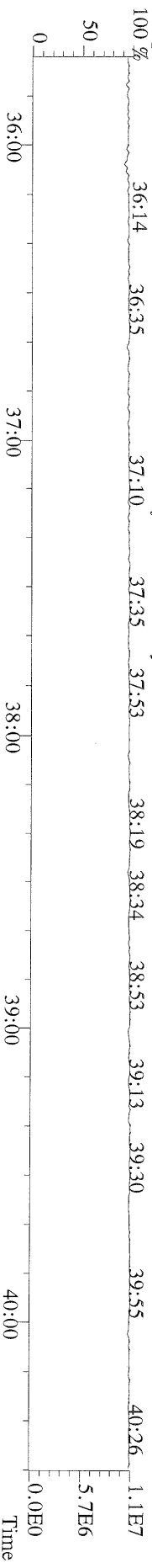
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389.8156 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



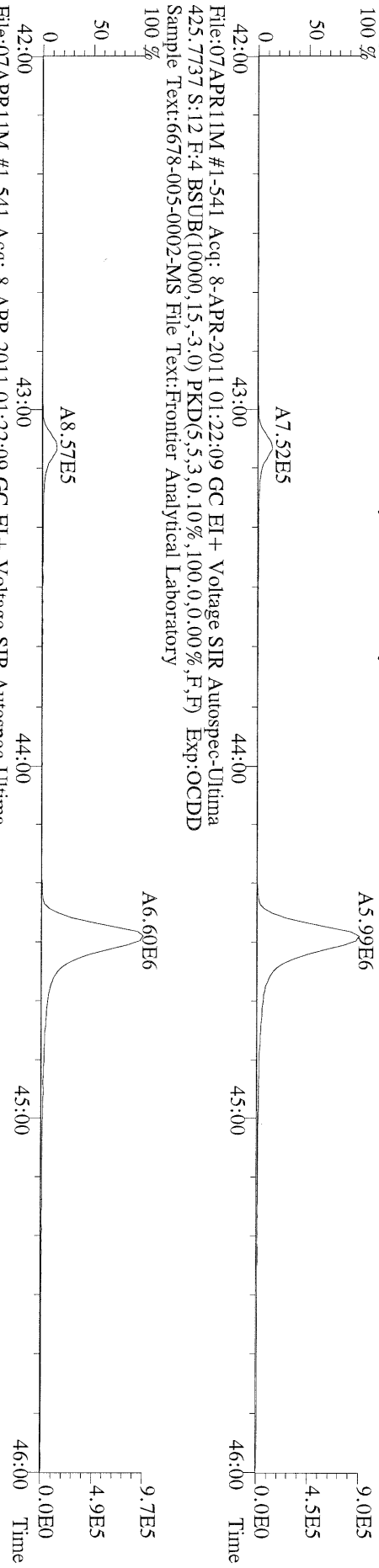
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Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



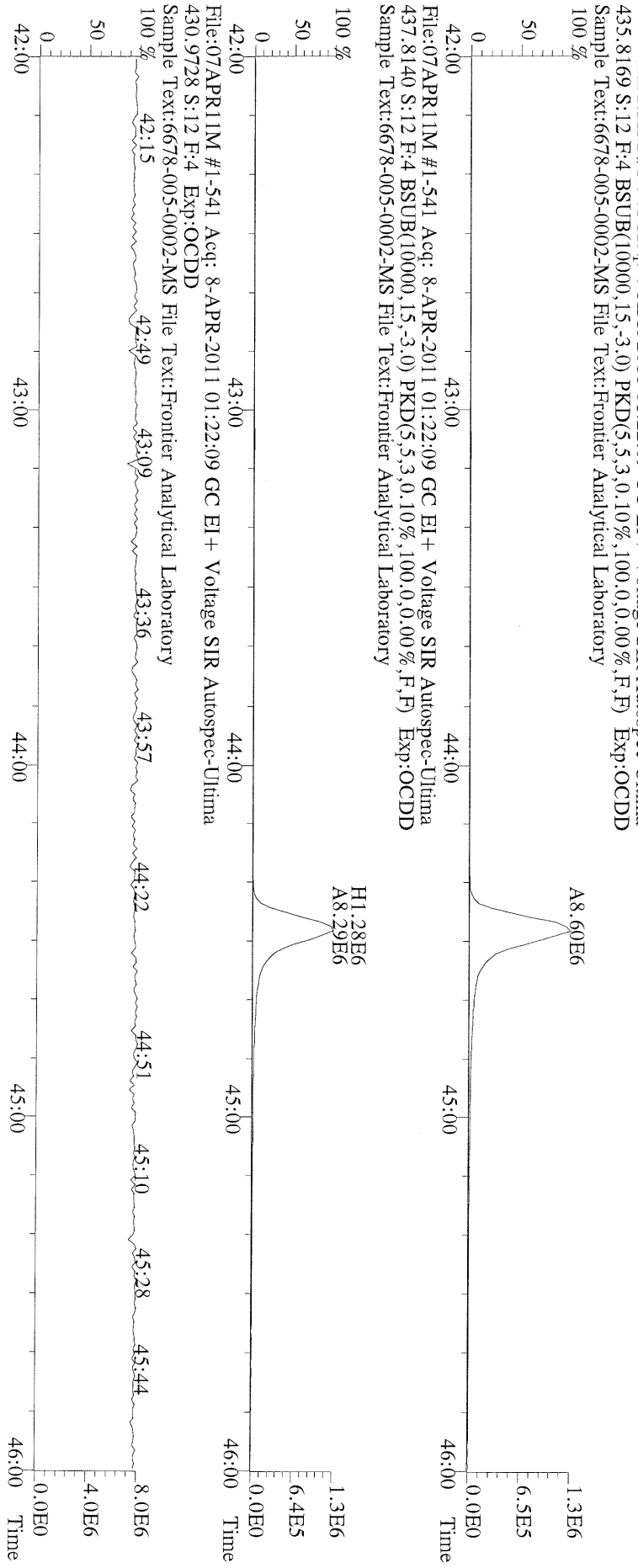
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380.9760 S:12 F:3 Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



File:07APR11M #1-541 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory
100 %



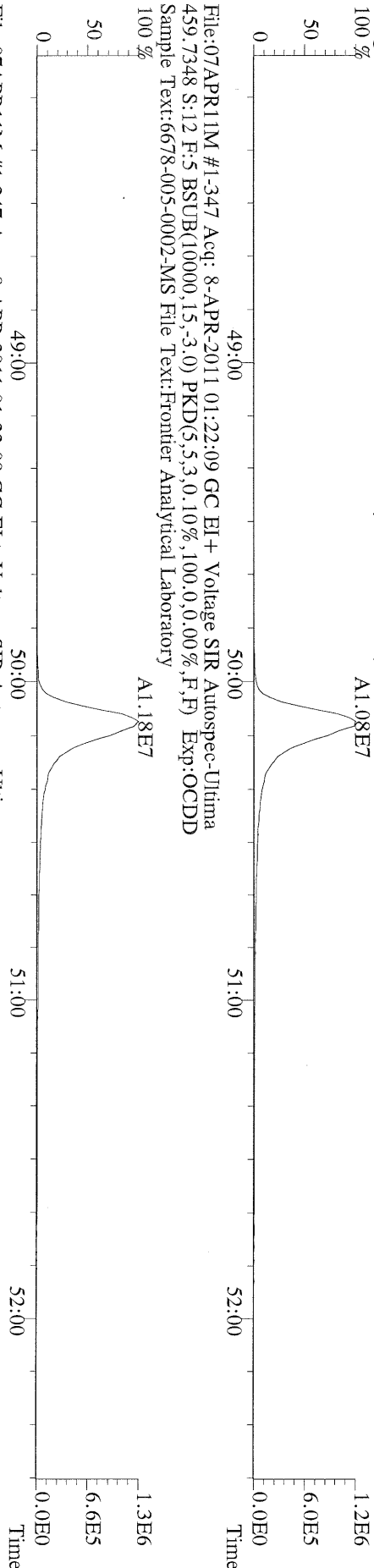
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435.8169 S:12 F:4 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory
100 %



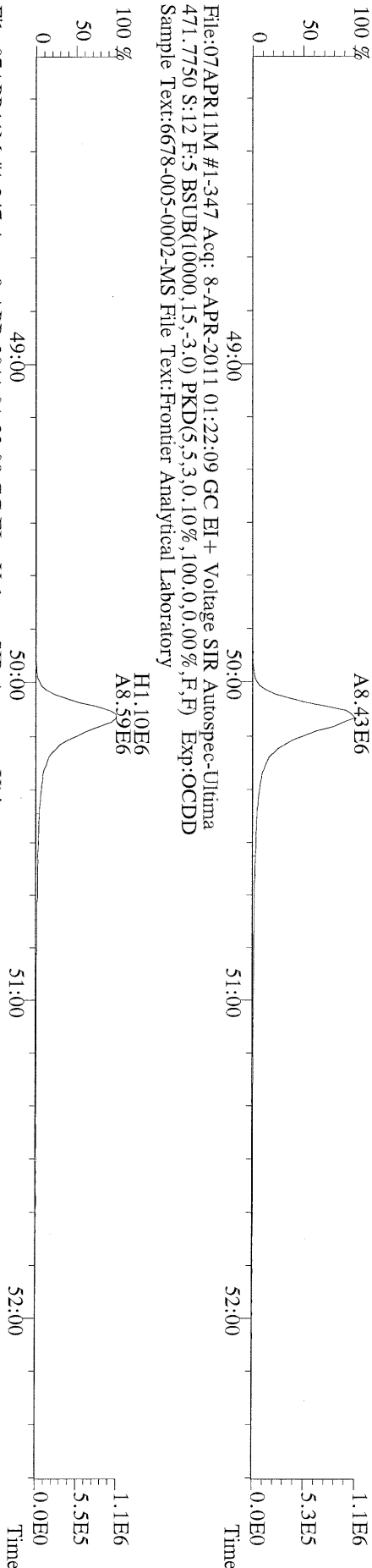
File:07APR11M #1-541 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:12 F:4 Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory
100 %



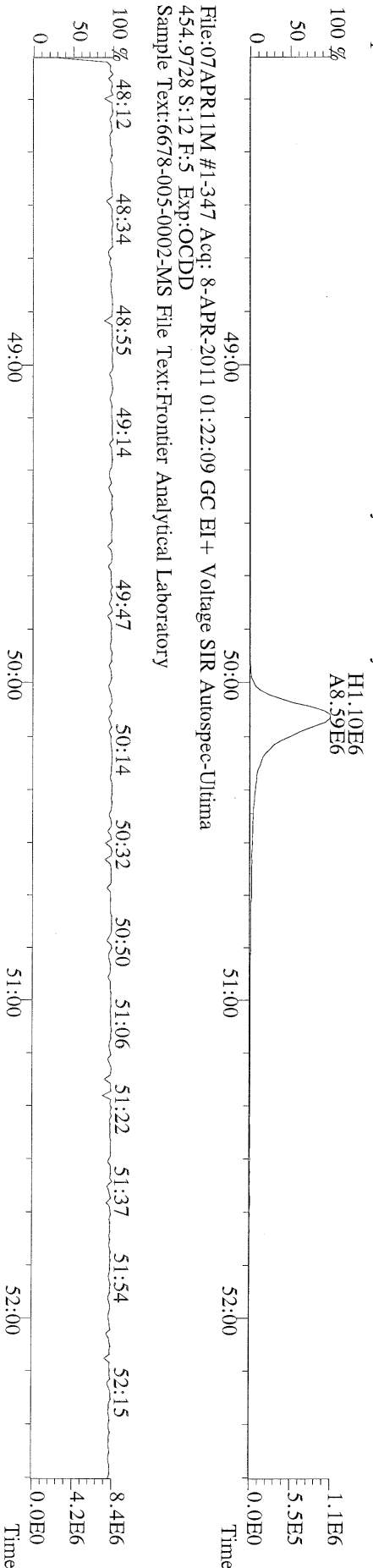
File:07APR11M #1-347 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



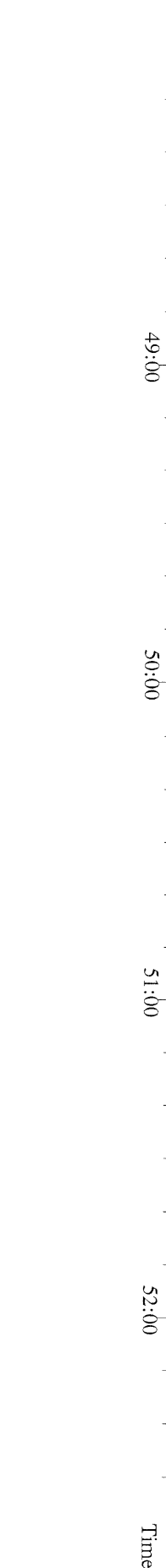
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469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



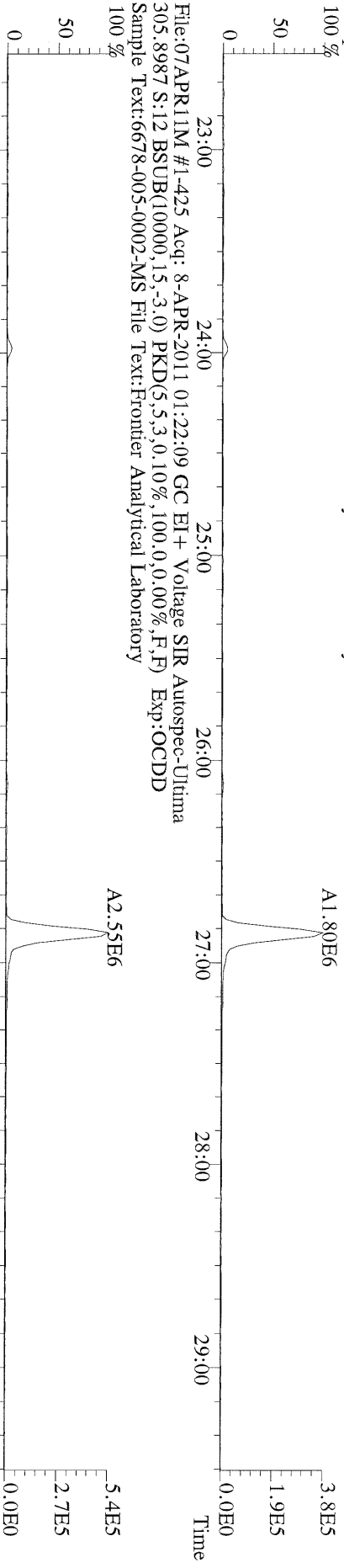
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471.7750 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



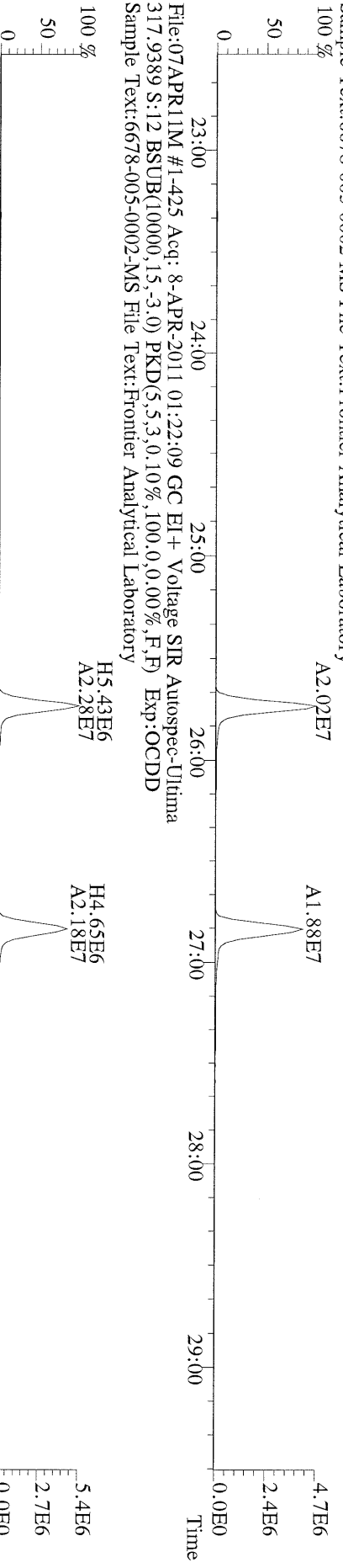
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454.9728 S:12 F:5 Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



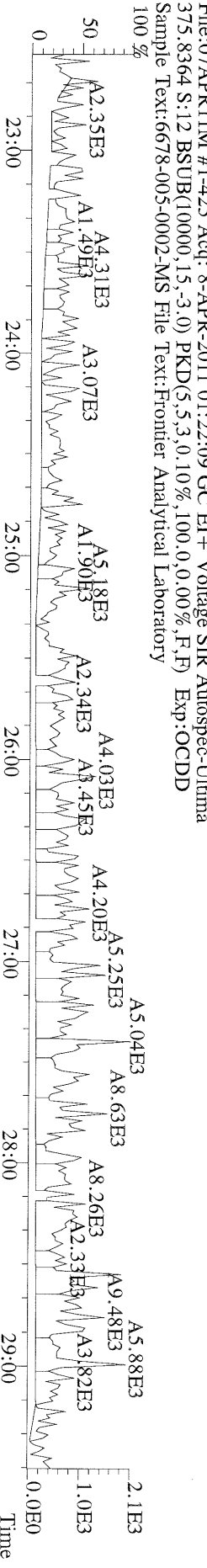
File:07APR11M #1-425 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Fronter Analytical Laboratory



File:07APR11M #1-425 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Fronter Analytical Laboratory



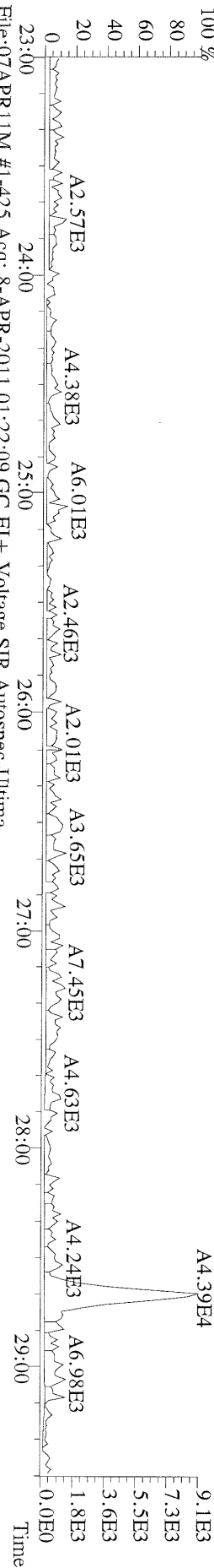
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375.8364 S:12 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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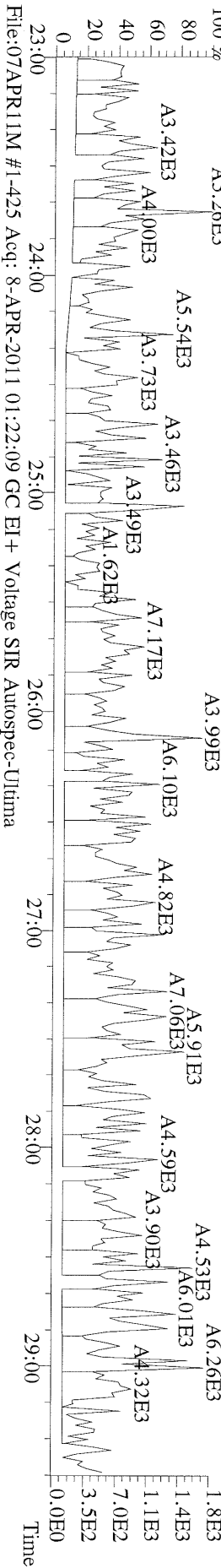
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 339,8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



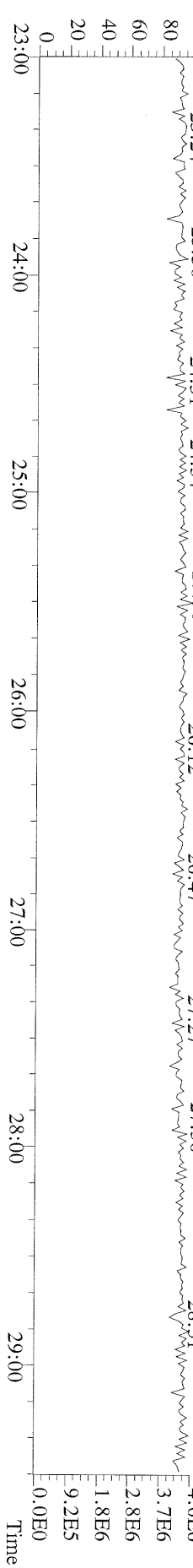
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 341,8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
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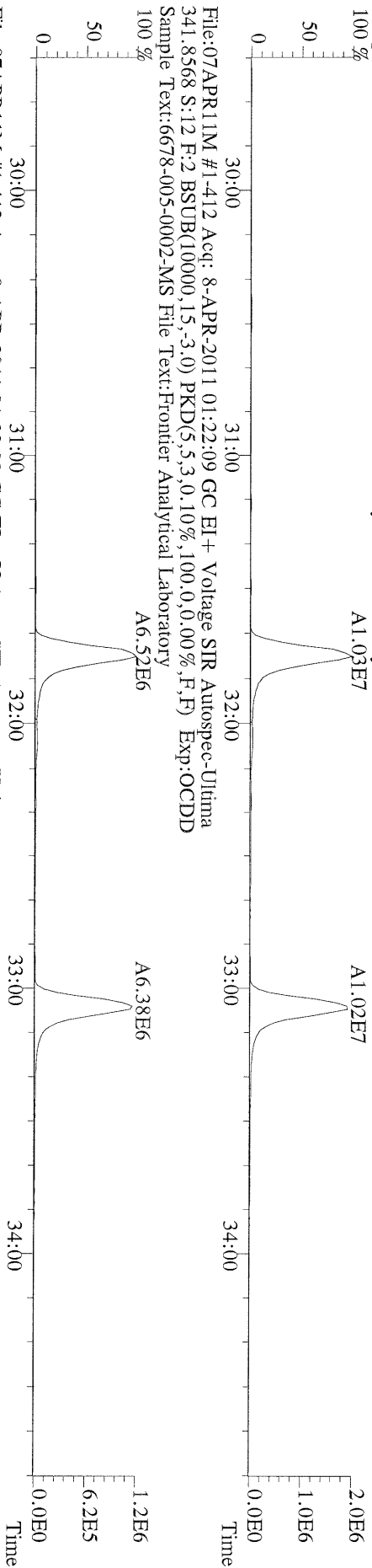
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 409,7974 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



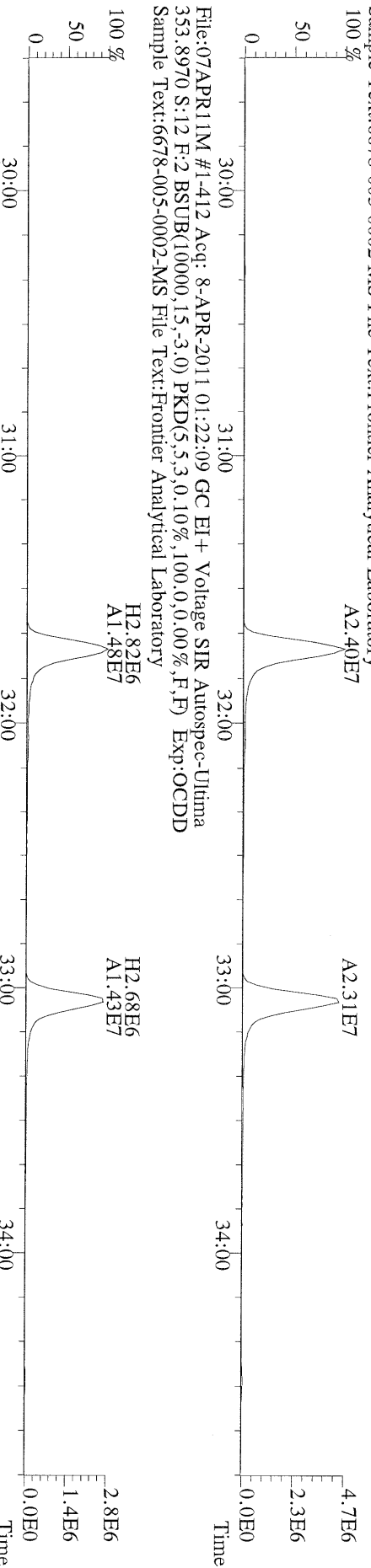
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 316,9824 S:12 Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



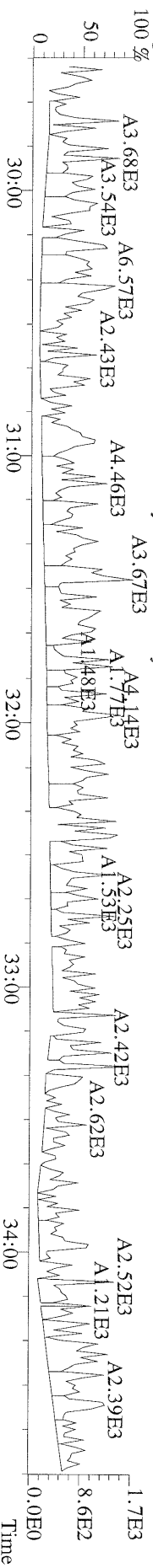
File:07APR11M #1-412 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Utima
 339.8597 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



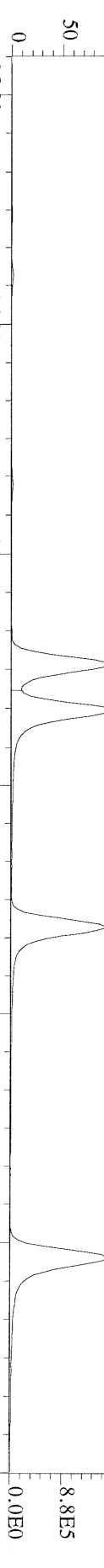
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 351.9000 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



File:07APR11M #1-412 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Utima
 409.7974 S:12 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
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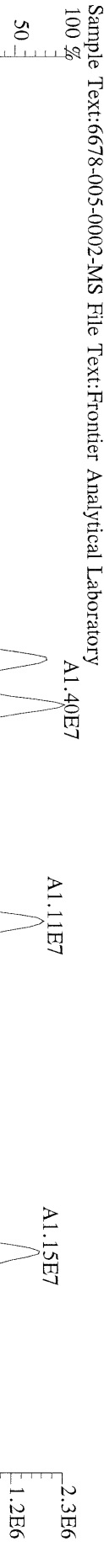
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 373.8207 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



File:07APR11M #1-477 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
 375.8178 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



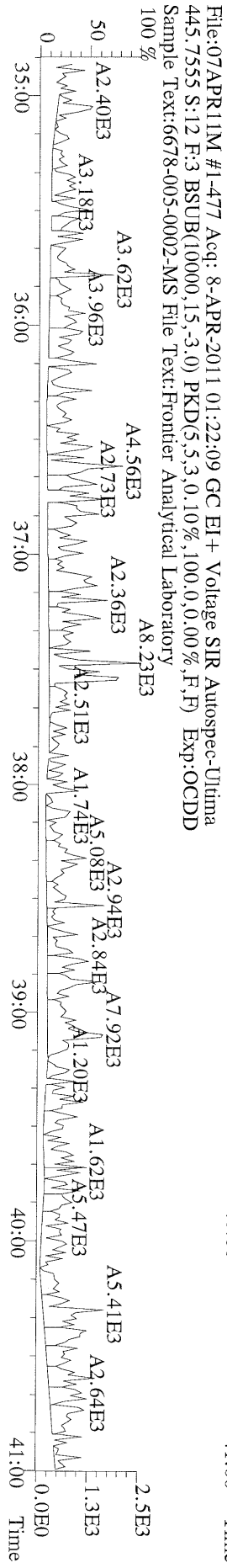
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 383.8639 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



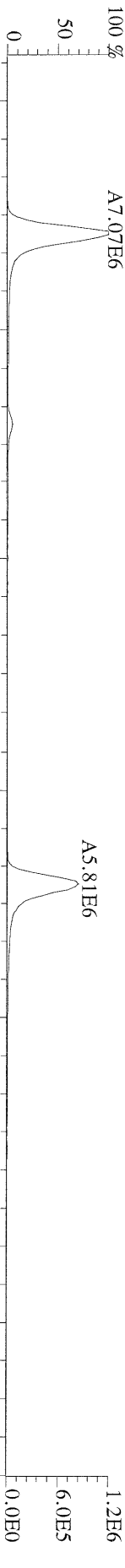
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 385.8610 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
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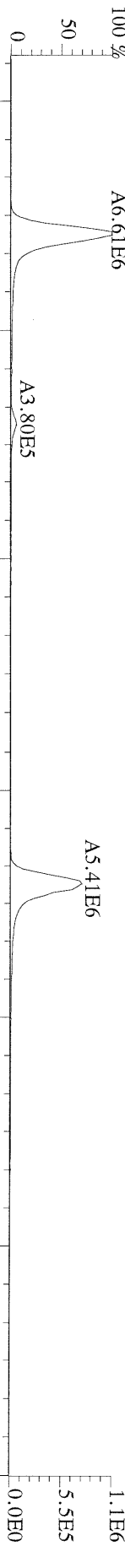
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 445.7555 S:12 F:3 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0,0) Exp:OCDD
 Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



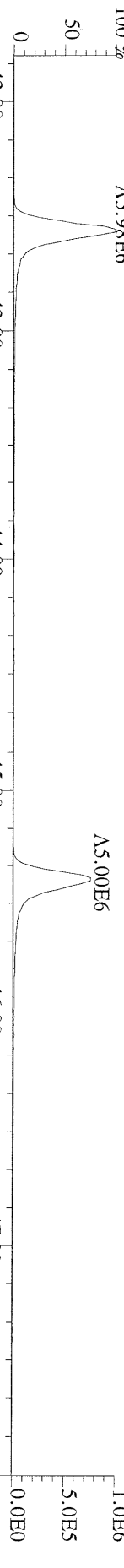
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407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



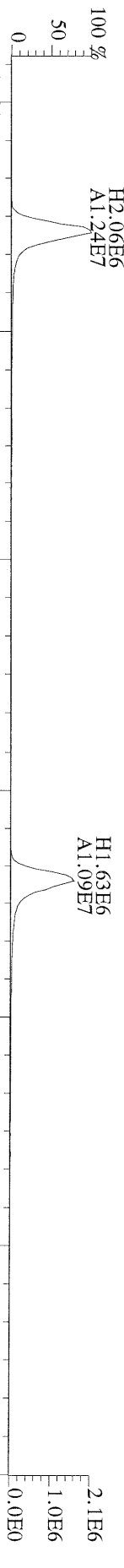
File:07APR11M #1-541 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:12 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



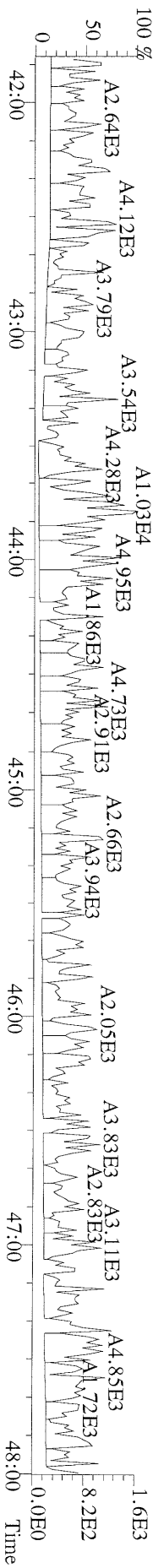
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417.8253 S:12 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



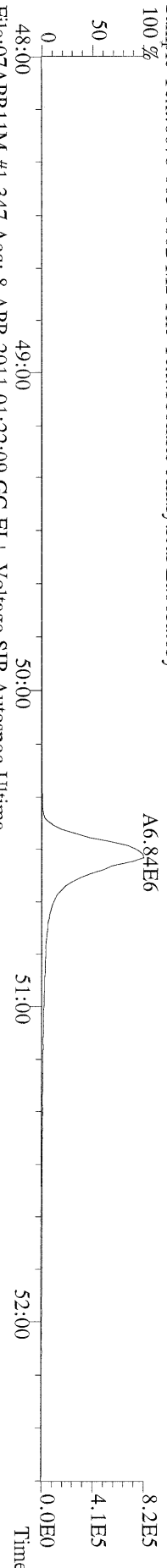
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419.8220 S:12 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



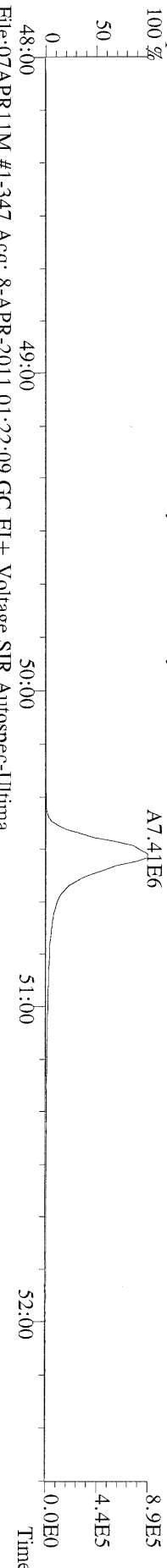
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479.7165 S:12 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



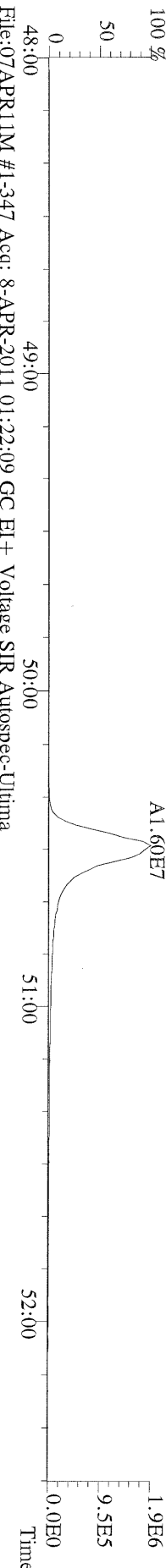
File:07APR11M #1-347 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



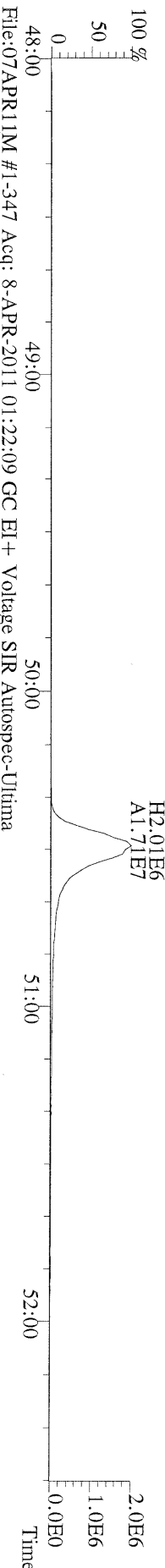
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443.7398 S:12 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



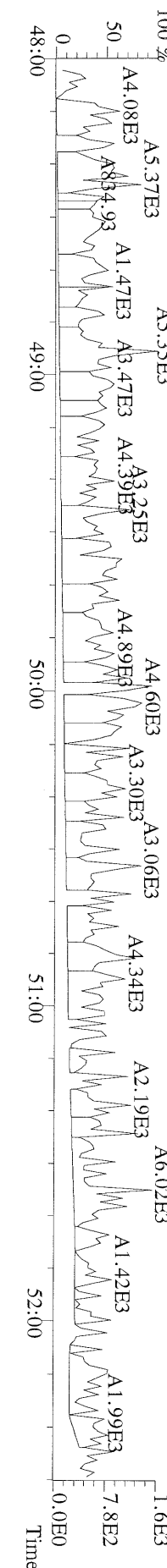
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453.7831 S:12 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory




File:07APR11M #1-347 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:12 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MS File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 8-APR-2011 01:22:09 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:12 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
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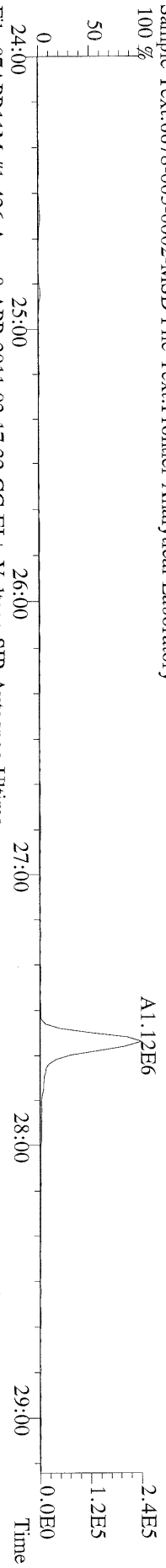


Name	Resp	RA	RT	RRF	NATO 1989 Tox:		WHO 1998 Tox:		WHO 2005 Tox:		722 DL
					Conc	Qual	Fac	Noise-1	Noise-2		
2,3,7,8-TCDD	2.55e+06	0.78 y	27:37	1.13	59.5	2.50	-	-	-	-	*
1,2,3,7,8-PeCDD	1.26e+07	1.52 y	33:29	1.02	327	2.50	-	-	-	-	*
1,2,3,4,7,8-HxCDD	1.33e+07	1.29 y	38:51	1.45	296	2.50	-	-	-	-	*
1,2,3,6,7,8-HxCDD	1.29e+07	1.30 y	39:02	1.45	313	2.50	-	-	-	-	*
1,2,3,7,8,9-HxCDD	1.41e+07	1.30 y	39:29	1.47	324	2.50	-	-	-	-	*
1,2,3,4,6,7,8-HpCDD	1.38e+07	0.94 y	44:29	1.30	388	2.50	-	-	-	-	*
OCDD	3.05e+07	0.93 y	50:08	1.45	1280	2.50	-	-	-	-	*
2,3,7,8-TCDF	4.61e+06	0.70 y	26:52	1.15	62.2	2.50	-	-	-	-	*
1,2,3,7,8-PeCDF	1.62e+07	1.57 y	31:45	0.89	308	2.50	-	-	-	-	*
2,3,4,7,8-PeCDF	1.57e+07	1.61 y	33:04	0.89	307	2.50	-	-	-	-	*
1,2,3,4,7,8-HxCDF	1.52e+07	1.25 y	37:29	1.01	312	2.50	-	-	-	-	*
1,2,3,6,7,8-HxCDF	1.79e+07	1.22 y	37:40	0.89	309	2.50	-	-	-	-	*
2,3,4,6,7,8-HxCDF	1.61e+07	1.21 y	38:37	1.02	308	2.50	-	-	-	-	*
1,2,3,7,8,9-HxCDF	1.93e+07	1.27 y	40:04	1.10	315	2.50	-	-	-	-	*
1,2,3,4,6,7,8-HpCDF	1.37e+07	1.09 y	42:35	1.48	322	2.50	-	-	-	-	*
1,2,3,4,7,8,9-HpCDF	1.11e+07	1.10 y	45:25	1.43	311	2.50	-	-	-	-	*
OCDF	1.61e+07	0.92 y	50:31	0.84	672	2.50	-	-	-	-	*
											Rec
13C-2,3,7,8-TCDD	2.35e+07	0.76 y	27:36	1.03	558						89.9
13C-1,2,3,7,8-PeCDD	2.36e+07	1.77 y	33:28	1.01	570						91.8
13C-1,2,3,4,7,8-HxCDD	1.93e+07	1.30 y	38:51	1.19	497						80.0
13C-1,2,3,6,7,8-HxCDD	1.76e+07	1.29 y	39:01	0.94	577						92.9
13C-1,2,3,4,6,7,8-HpCDD	1.71e+07	1.03 y	44:28	0.83	633						102
13C-OCDD	2.04e+07	0.94 y	50:06	0.61	1030						83.1
13C-2,3,7,8-TCDF	4.01e+07	0.86 y	26:51	0.98	606						97.5
13C-1,2,3,7,8-PeCDF	3.69e+07	1.62 y	31:43	0.83	658						106
13C-2,3,4,7,8-PeCDF	3.55e+07	1.62 y	33:03	0.80	653						105
13C-1,2,3,4,7,8-HxCDF	3.00e+07	0.47 y	37:27	1.84	501						80.7
13C-1,2,3,6,7,8-HxCDF	4.04e+07	0.47 y	37:39	2.29	541						87.1
13C-2,3,4,6,7,8-HxCDF	3.19e+07	0.47 y	38:36	1.86	527						84.8
13C-1,2,3,7,8,9-HxCDF	3.45e+07	0.49 y	40:03	1.98	534						86.0
13C-1,2,3,4,6,7,8-HpCDF	1.79e+07	0.48 y	42:34	0.99	557						89.6
13C-1,2,3,4,7,8,9-HpCDF	1.56e+07	0.50 y	45:23	0.77	625						101
13C-OCDF	3.54e+07	0.94 y	50:30	1.17	932						75.1
37Cl-2,3,7,8-TCDD	6.39e+06		27:37	0.73	214						86.2
13C-1,2,3,4-TCDD	2.54e+07	0.76 y	27:00	-	20.8						
13C-1,2,3,4-TCDF	4.20e+07	0.87 y	25:44	-	18.1						
13C-1,2,3,7,8,9-HxCDD	2.02e+07	1.26 y	39:28	-	25.3						
						Fac	Noise-1	Noise-2	DL	#Hom	
Total Tetra-Dioxins	2.88e+06		23:33	1.13	67.1	2.50	-	-	*	26	
Total Penta-Dioxins	1.31e+07		30:27	1.02	339	2.50	-	-	*	13	
Total Hexa-Dioxins	4.15e+07		36:24	1.46	961	2.50	-	-	*	13	
Total Hepta-Dioxins	1.66e+07		43:06	1.30	464	2.50	-	-	*	20	
Total Tetra-Furans	5.49e+06		22:56	1.15	74.0	2.50	-	-	*	33	
1st Fn. Tot Penta-Furans	3.86e+05		22:43	0.89	7.45	2.50	-	-	*	PeCDF	43
Total Penta-Furans	3.29e+07		30:29	0.89	636	2.50	-	-	*	643	14
Total Hexa-Furans	6.95e+07		35:31	1.00	1260	2.50	-	-	*		12
Total Hepta-Furans	2.61e+07		42:35	1.46	663	2.50	-	-	*		12

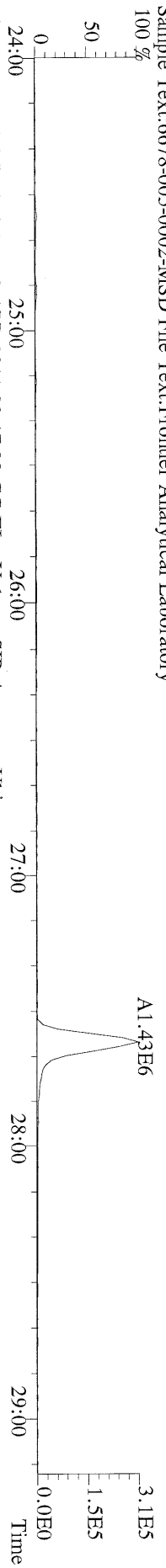
Analyst: 

Date: 4/8/11

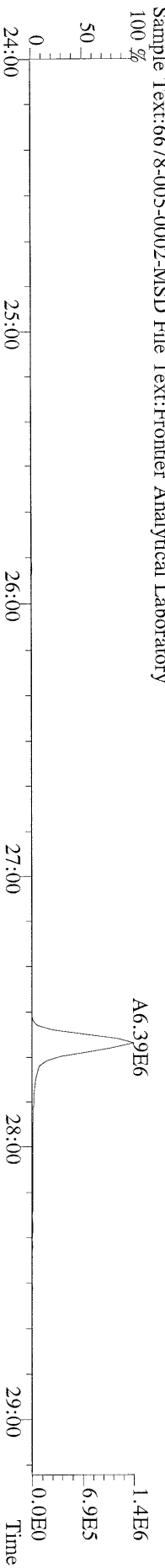
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Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory
100 %



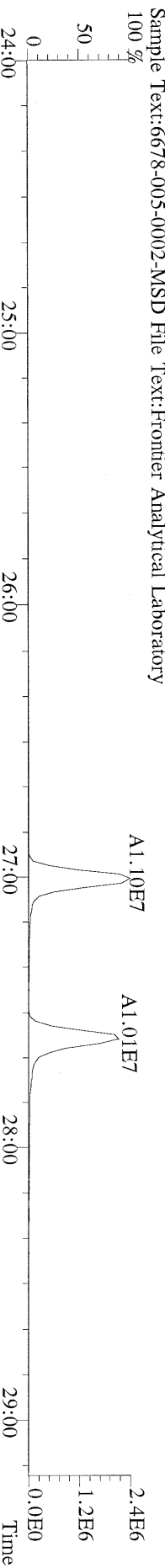
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100 %



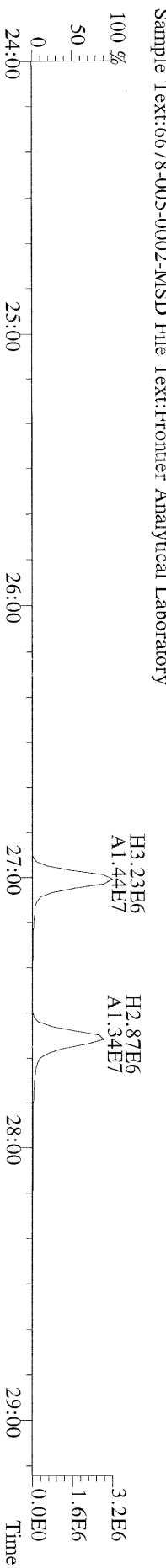
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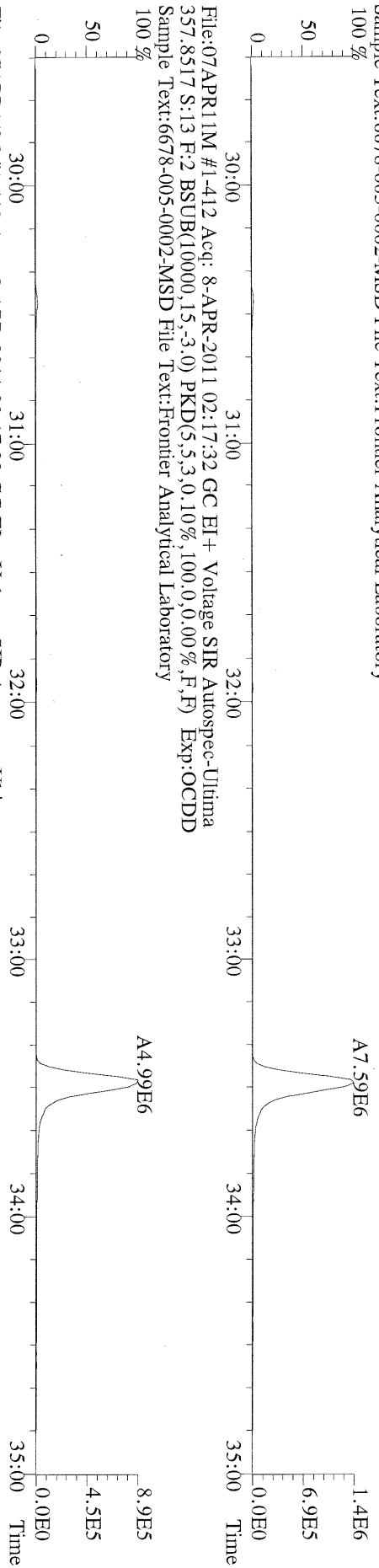
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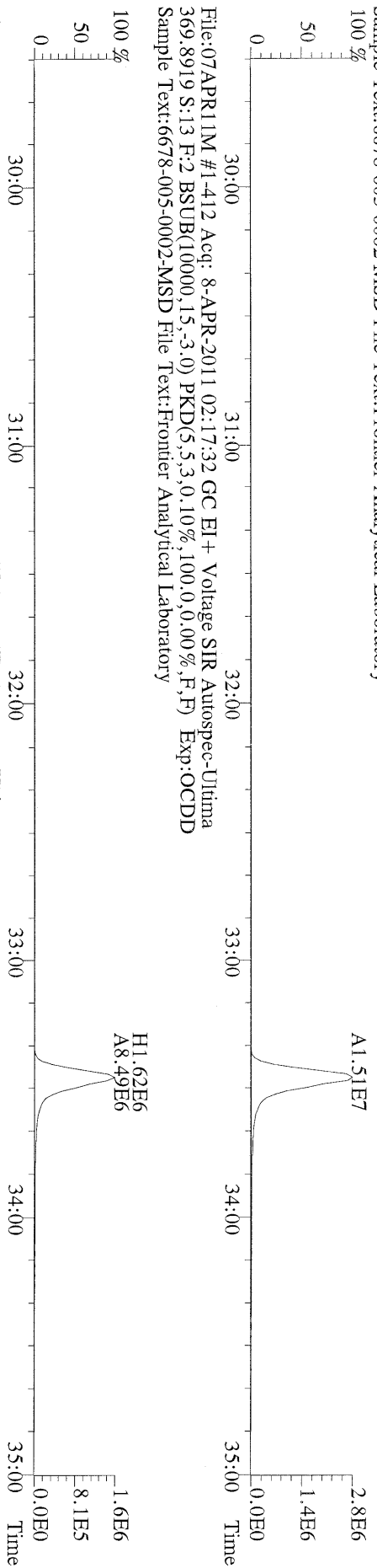
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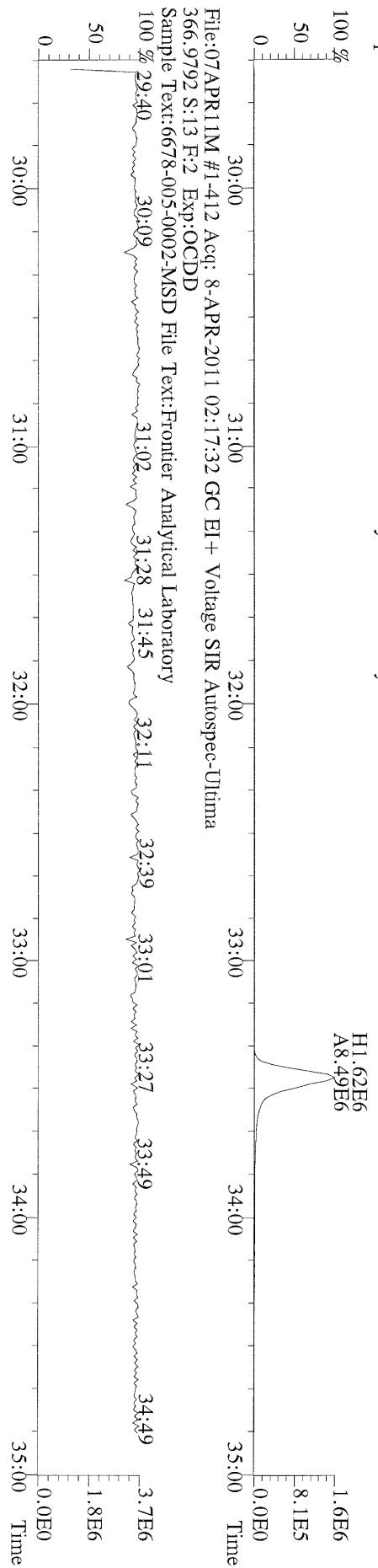
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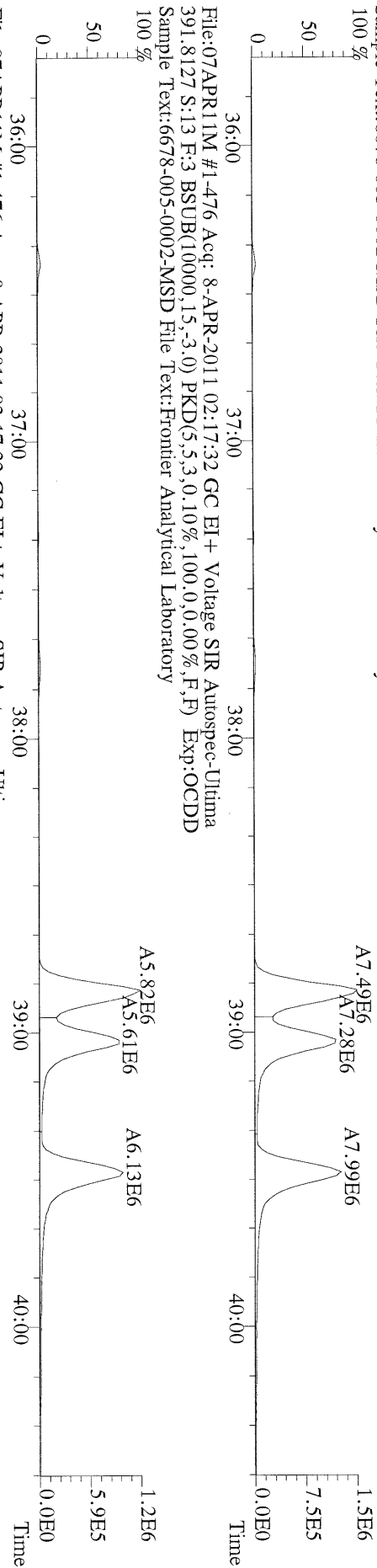


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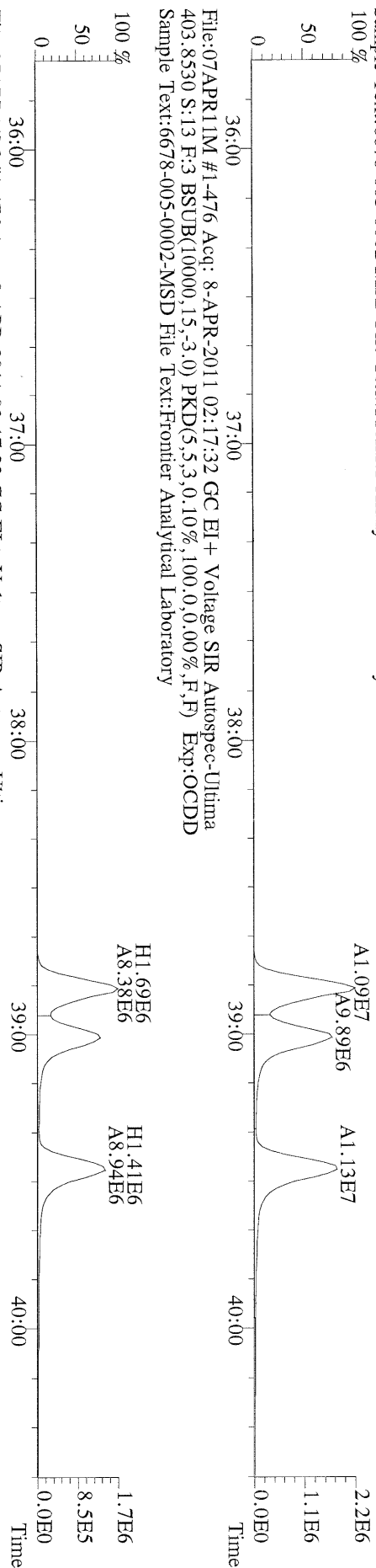


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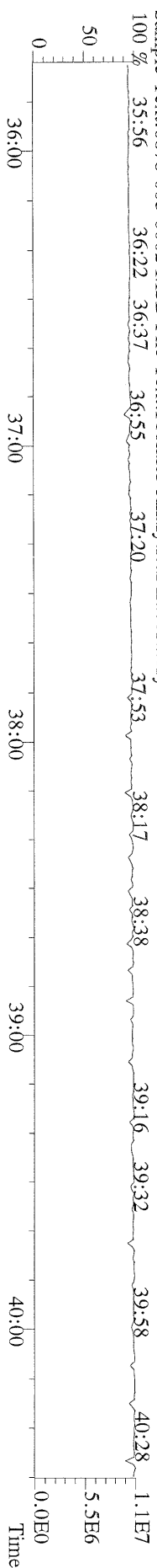
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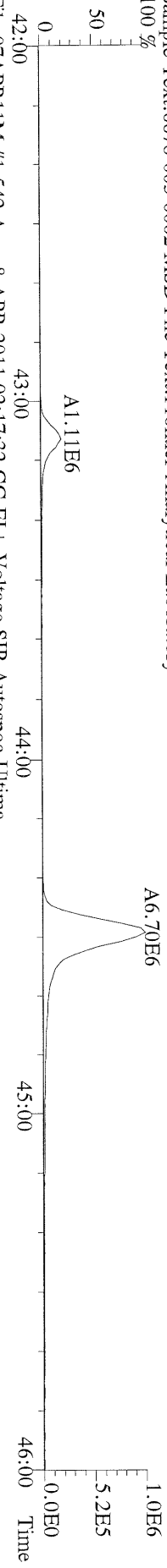
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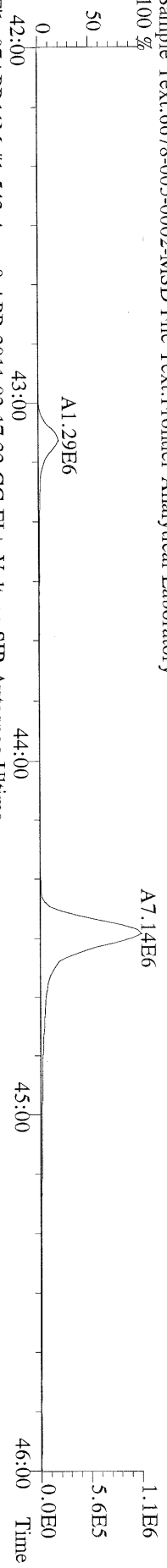
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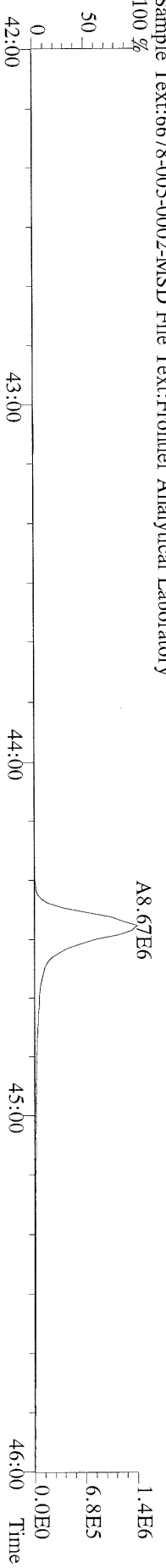
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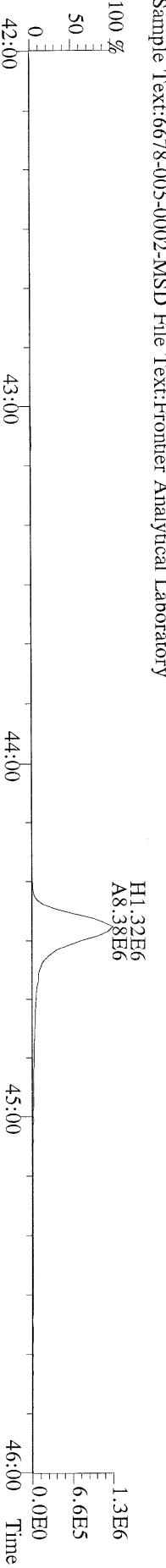
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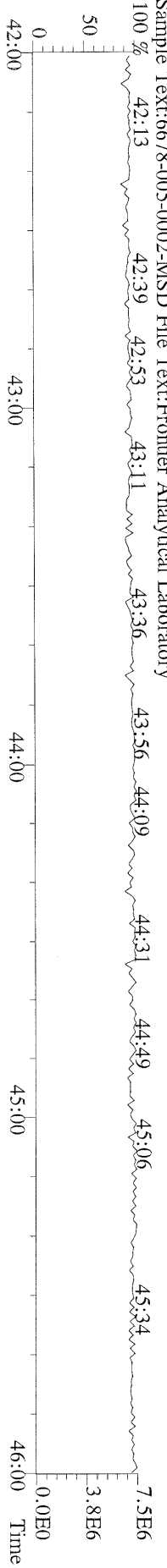
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Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



File:07APR11M #1-542 Acq: 8-APR-2011 02:17:32 GC EI+ Voltage SIR Autospec-Ultima
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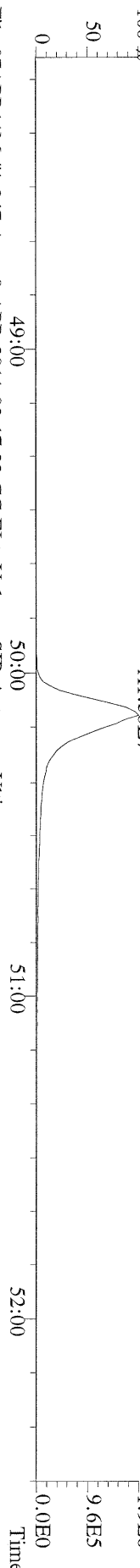
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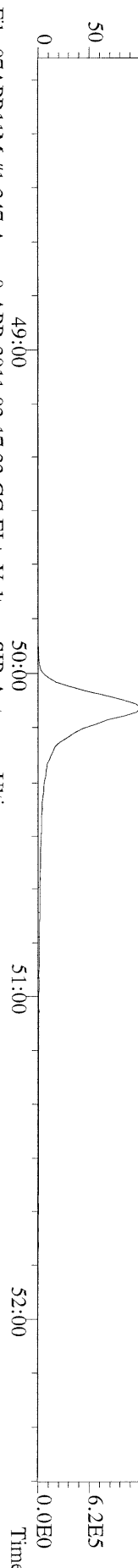
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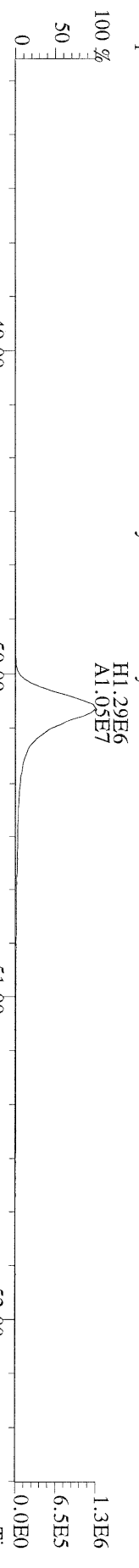
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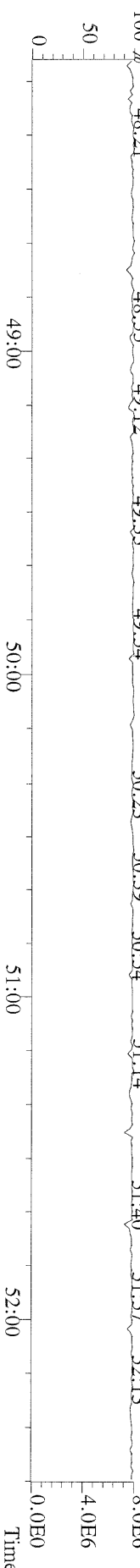
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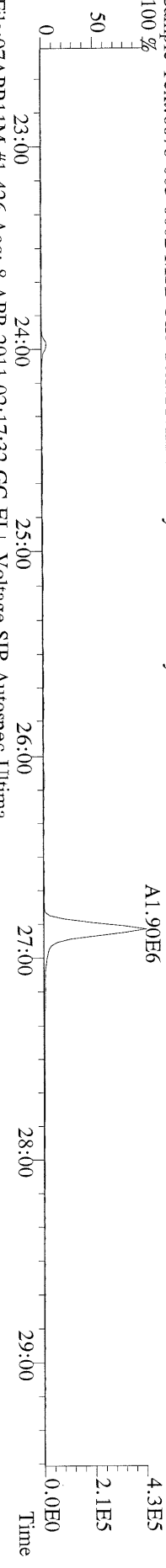
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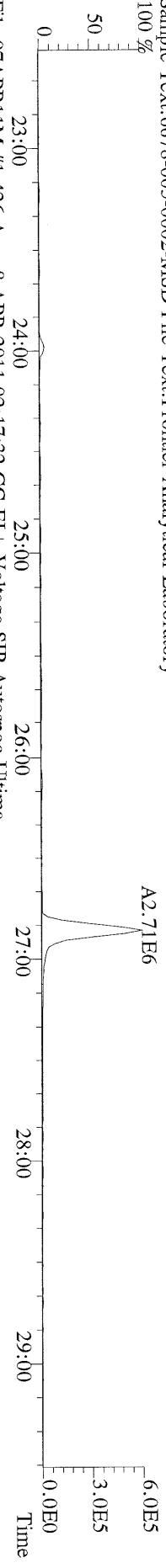
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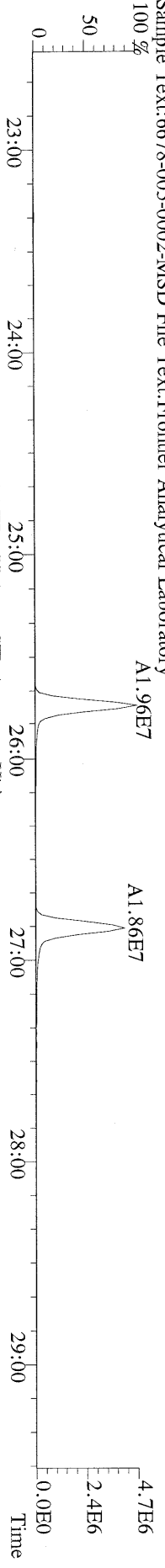
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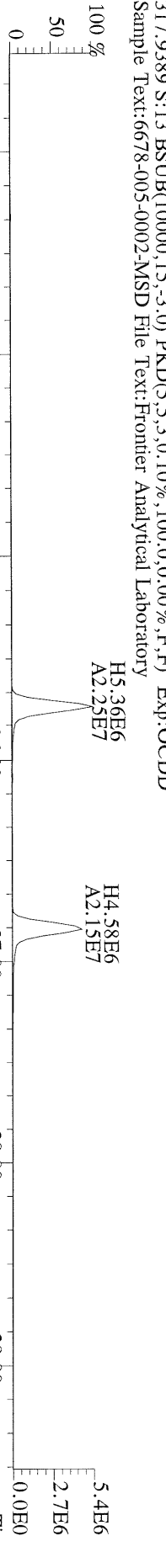
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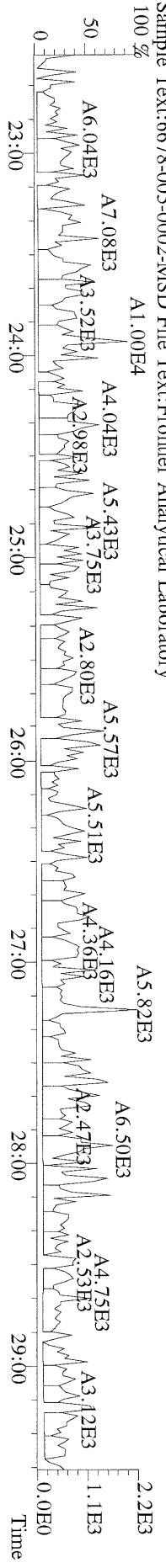
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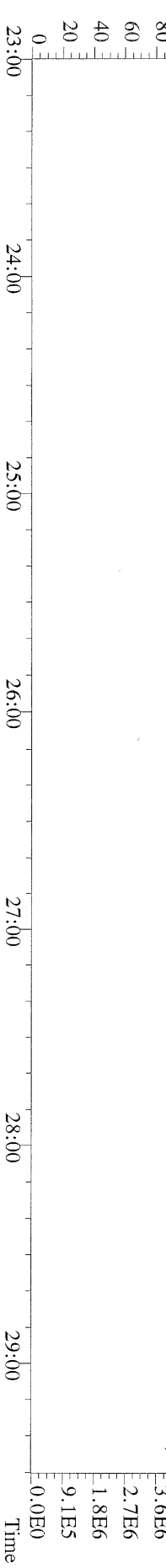
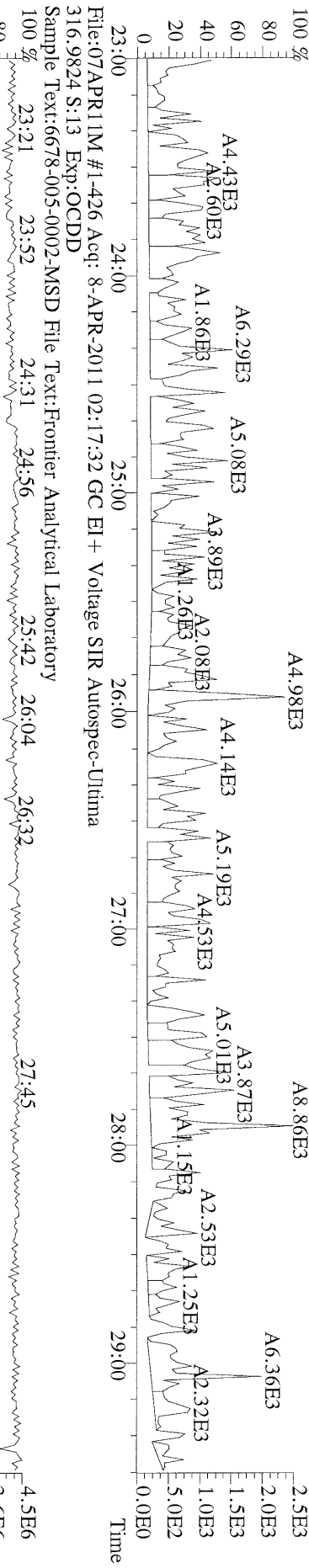
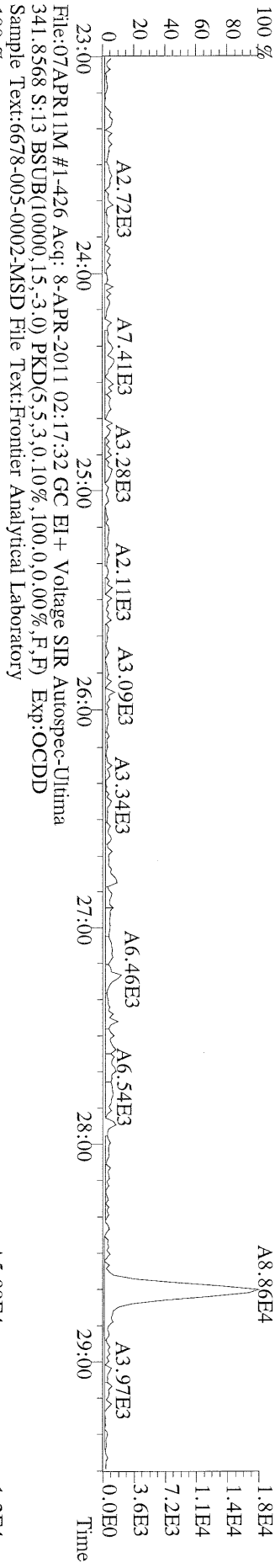
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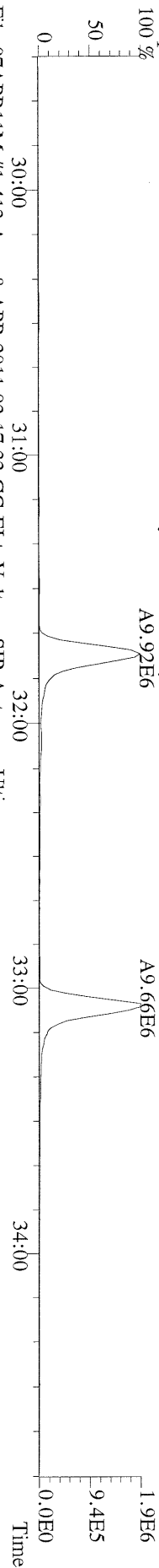
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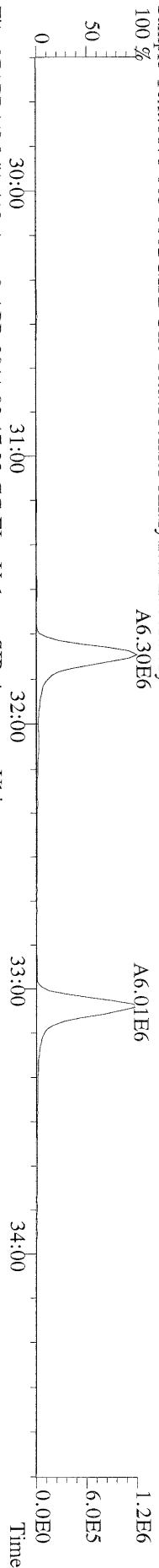
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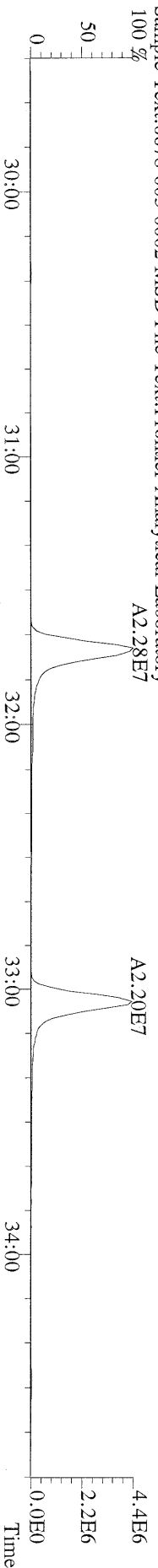
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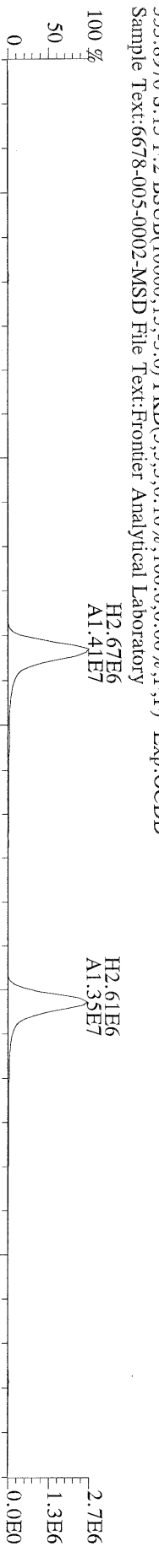
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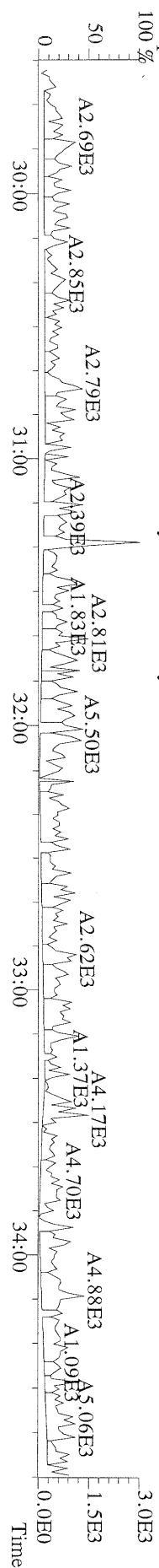
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351.9000 S:13 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



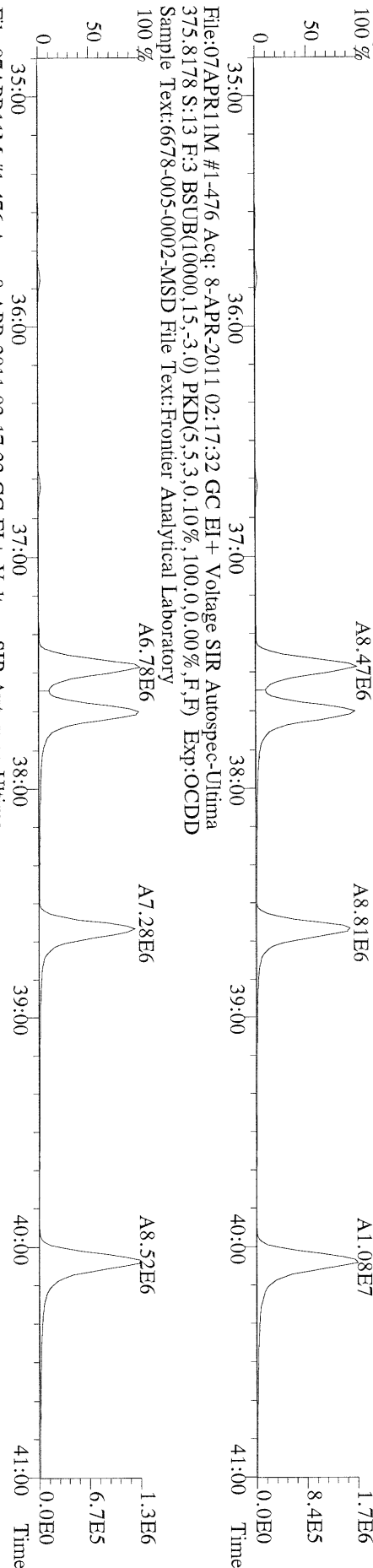
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353.8970 S:13 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



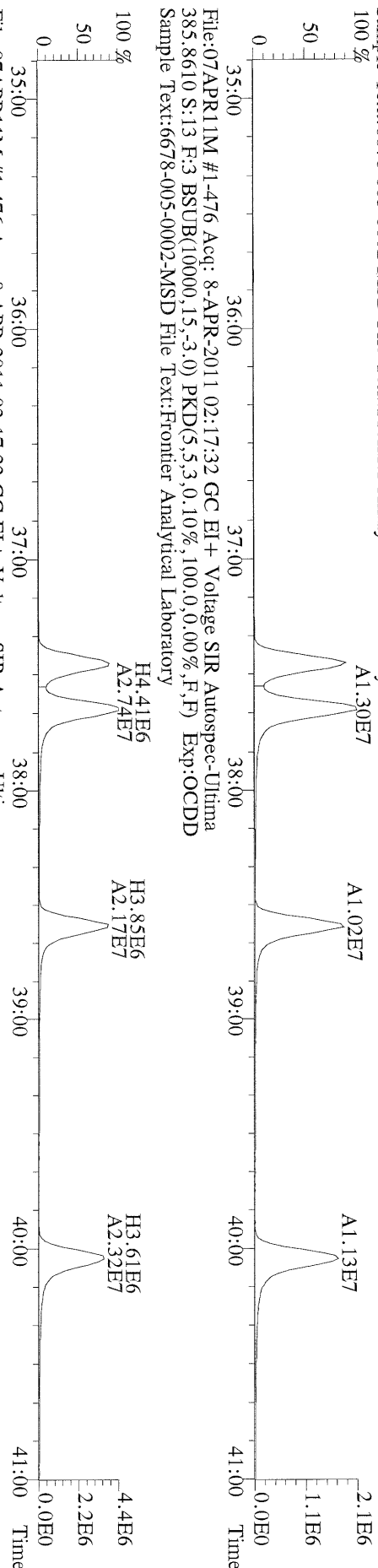
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409.7974 S:13 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



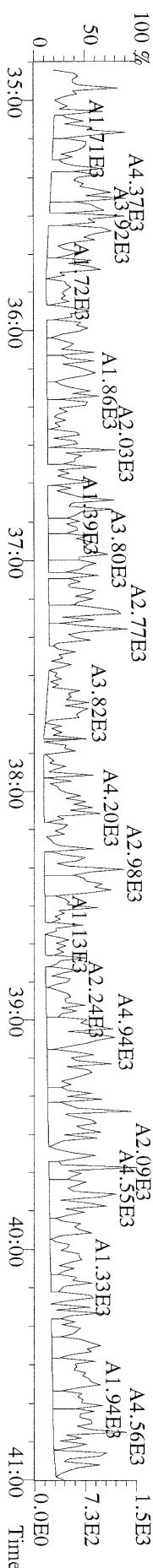
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373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



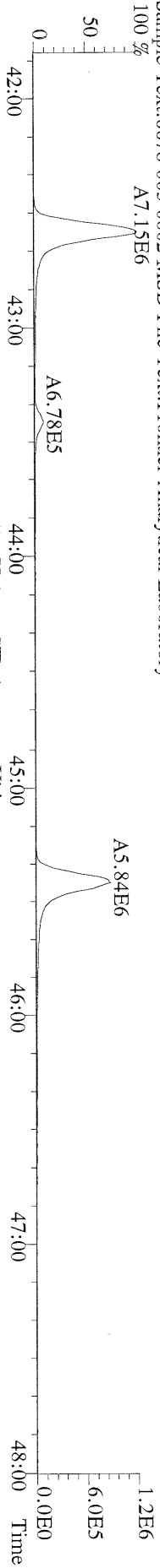
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383.8639 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



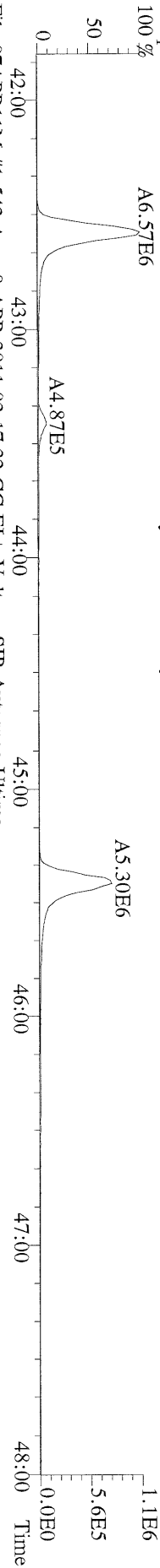
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445.7555 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



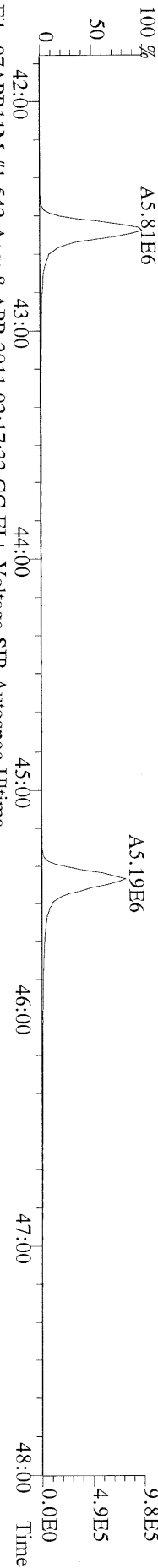
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407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



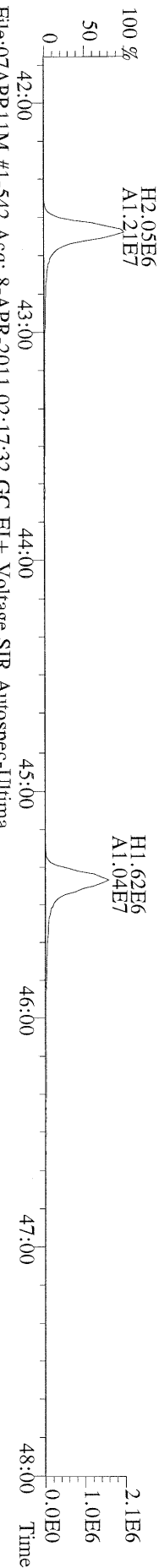
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Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



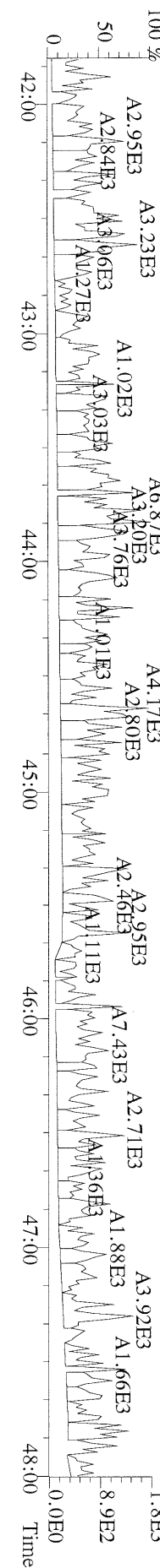
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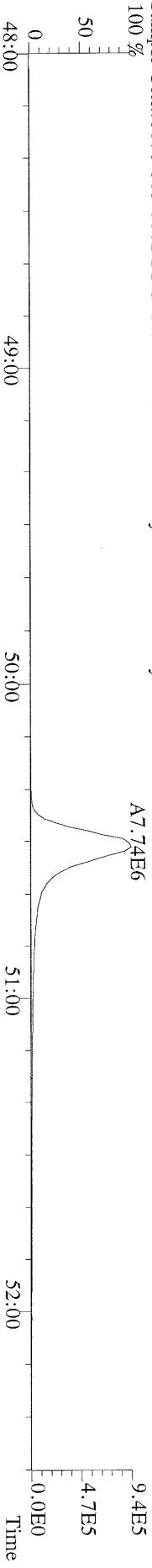
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Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



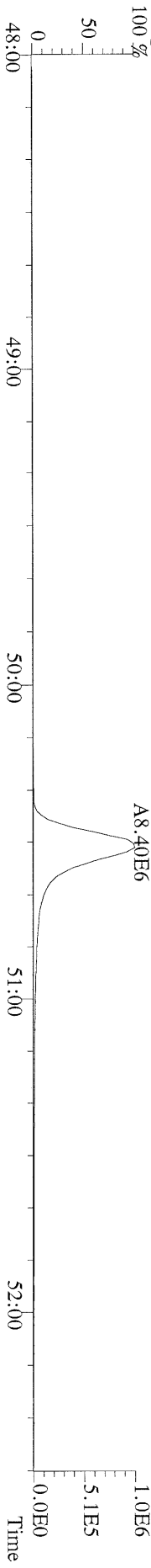
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479.7165 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Frontier Analytical Laboratory



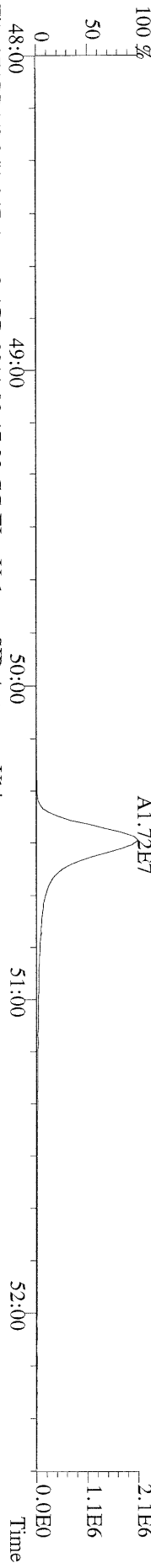
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441.7428 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Fronter Analytical Laboratory
100 %



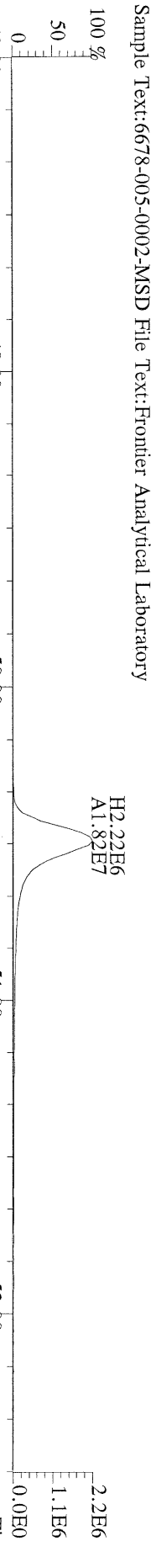
File:07APR11M #1-347 Acq: 8-APR-2011 02:17:32 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Fronter Analytical Laboratory
100 %



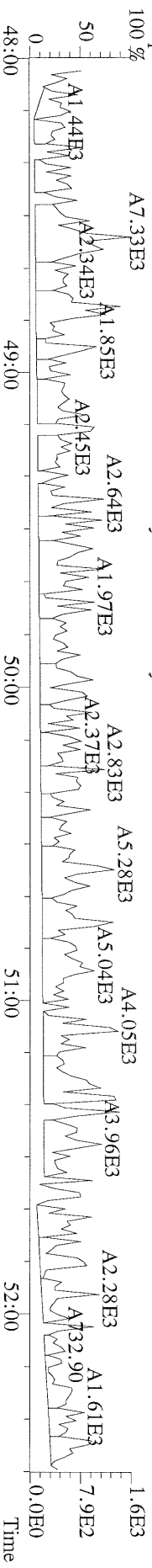
File:07APR11M #1-347 Acq: 8-APR-2011 02:17:32 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Fronter Analytical Laboratory
100 %




File:07APR11M #1-347 Acq: 8-APR-2011 02:17:32 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Fronter Analytical Laboratory



File:07APR11M #1-347 Acq: 8-APR-2011 02:17:32 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:13 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-005-0002-MSD File Text:Fronter Analytical Laboratory
100 %



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.13	*		2.50	608	593	0.318	
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.02	*		2.50	556	514	0.308	
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	939	737	0.392	
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.45	*		2.50	939	737	0.463	
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.47	*		2.50	939	737	0.421	
1,2,3,4,6,7,8-HpCDD	2.72e+05	0.92 y	44:28	1.30	6.36		2.50	-	-	*	
OCDD	1.41e+06	0.91 y	50:08	1.45	49.3		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.15	*		2.50	1100	1250	0.311	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	784	876	0.342	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.89	*		2.50	784	876	0.356	
1,2,3,4,7,8-HxCDF	3.12e+04	1.11 y	37:29	1.01	0.513	J	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.89	*		2.50	964	972	0.400	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	1.02	*		2.50	964	972	0.425	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.10	*		2.50	964	972	0.408	
1,2,3,4,6,7,8-HpCDF	6.78e+04	1.12 y	42:34	1.48	1.25	J	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.43	*		2.50	932	864	0.643	
OCDF	1.13e+05	0.92 y	50:30	0.84	3.61	J	2.50	-	-	*	
13C-2,3,7,8-TCDD	1.95e+07	0.74 y	27:35	1.03	371					79.2	
13C-1,2,3,7,8-PeCDD	2.20e+07	1.77 y	33:28	1.01	427					91.2	
13C-1,2,3,4,7,8-HxCDD	1.77e+07	1.29 y	38:51	1.19	351					74.9	
13C-1,2,3,6,7,8-HxCDD	1.68e+07	1.28 y	39:00	0.94	422					90.2	
13C-1,2,3,4,6,7,8-HpCDD	1.54e+07	1.08 y	44:27	0.83	439					93.8	
13C-OCDD	1.85e+07	0.91 y	50:06	0.61	719					76.7	
13C-2,3,7,8-TCDF	3.45e+07	0.88 y	26:50	0.98	421					89.9	
13C-1,2,3,7,8-PeCDF	3.34e+07	1.64 y	31:43	0.83	481					103	
13C-2,3,4,7,8-PeCDF	3.21e+07	1.66 y	33:03	0.80	478					102	
13C-1,2,3,4,7,8-HxCDF	2.83e+07	0.48 y	37:27	1.84	362					77.2	
13C-1,2,3,6,7,8-HxCDF	3.70e+07	0.47 y	37:39	2.29	381					81.2	
13C-2,3,4,6,7,8-HxCDF	3.00e+07	0.48 y	38:35	1.86	380					81.1	
13C-1,2,3,7,8,9-HxCDF	3.26e+07	0.47 y	40:02	1.98	388					82.7	
13C-1,2,3,4,6,7,8-HpCDF	1.71e+07	0.48 y	42:33	0.99	409					87.3	
13C-1,2,3,4,7,8,9-HpCDF	1.46e+07	0.47 y	45:23	0.77	450					96.1	
13C-OCDF	3.48e+07	0.94 y	50:29	1.17	704					75.2	
37Cl-2,3,7,8-TCDD	5.32e+06		27:36	0.73	143					76.2	
13C-1,2,3,4-TCDD	2.39e+07	0.76 y	26:60	-	14.7						
13C-1,2,3,4-TCDF	3.92e+07	0.88 y	25:44	-	12.7						
13C-1,2,3,7,8,9-HxCDD	1.99e+07	1.31 y	39:27	-	18.8						
Total Tetra-Dioxins	*		NotFnd	1.13	*		2.50	608	593	0.318	0
Total Penta-Dioxins	6.34e+04		30:28	1.02	1.33	J	2.50	-	-	*	2
Total Hexa-Dioxins	6.95e+04		36:23	1.46	1.29	J	2.50	-	-	*	1
Total Hepta-Dioxins	5.42e+05		43:06	1.30	12.7		2.50	-	-	*	2
Total Tetra-Furans	1.46e+05		23:58	1.15	1.72		2.50	-	-	*	1
1st Fn. Tot Penta-Furans	*		NotFnd	0.89	*	J	2.50	-	-	* PeCDF	0
Total Penta-Furans	3.44e+04		30:27	0.89	0.553	J	2.50	-	-	* 0.553	1
Total Hexa-Furans	1.03e+05		35:47	1.00	1.57	J	2.50	-	-	*	3
Total Hepta-Furans	1.75e+05		42:34	1.46	3.43	J	2.50	-	-	*	2

Analyst:  Date: 4/8/11

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 14

File: 07APR11M

S: 6 I: 1 F: 2

Acquired: 7-APR-11 19:49:58

Total Concentration: 1.33

Unnamed Concentration: 1.326

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:28	1.99e+04	1.32e+04	1.50 y	3.31e+04	0.693	
32:23	1.93e+04	1.10e+04	1.76 y	3.02e+04	0.633	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 14

File: 07APR11M

S: 6 I: 1 F: 3

Acquired: 7-APR-11 19:49:58

Total Concentration: 1.29

Unnamed Concentration: 1.294

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:23	3.79e+04	3.15e+04	1.20 y	6.95e+04	1.29	

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 14

File: 07APR11M

S: 6 I: 1 F: 4

Acquired: 7-APR-11 19:49:58

Total Concentration: 12.7

Unnamed Concentration: 6.306

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:06	1.32e+05	1.38e+05	0.95 y	2.70e+05	6.31	
44:28	1.31e+05	1.41e+05	0.92 y	2.72e+05	6.36	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 14

File: 07APR11M

S: 6 I: 1 F: 1

Acquired: 7-APR-11 19:49:58

Total Concentration: 1.72

Unnamed Concentration: 1.723

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:58	6.31e+04	8.25e+04	0.76 y	1.46e+05	1.72	

Totals class: Total Penta-Furans

Entry #: 44

Run: 14

File: 07APR11M

S: 6 I: 1 F: 2

Acquired: 7-APR-11 19:49:58

Total Concentration: 0.553

Unnamed Concentration: 0.553

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:27	1.99e+04	1.45e+04	1.37 y	3.44e+04	0.553	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 14

File: 07APR11M

S: 6 I: 1 F: 3

Acquired: 7-APR-11 19:49:58

Total Concentration: 1.57

Unnamed Concentration: 1.053

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:47	2.24e+04	1.76e+04	1.27 y	4.00e+04	0.586	
36:42	1.75e+04	1.44e+04	1.21 y	3.19e+04	0.467	
37:29	1.64e+04	1.48e+04	1.11 y	3.12e+04	0.513	1,2,3,4,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 14

File: 07APR11M

S: 6 I: 1 F: 4

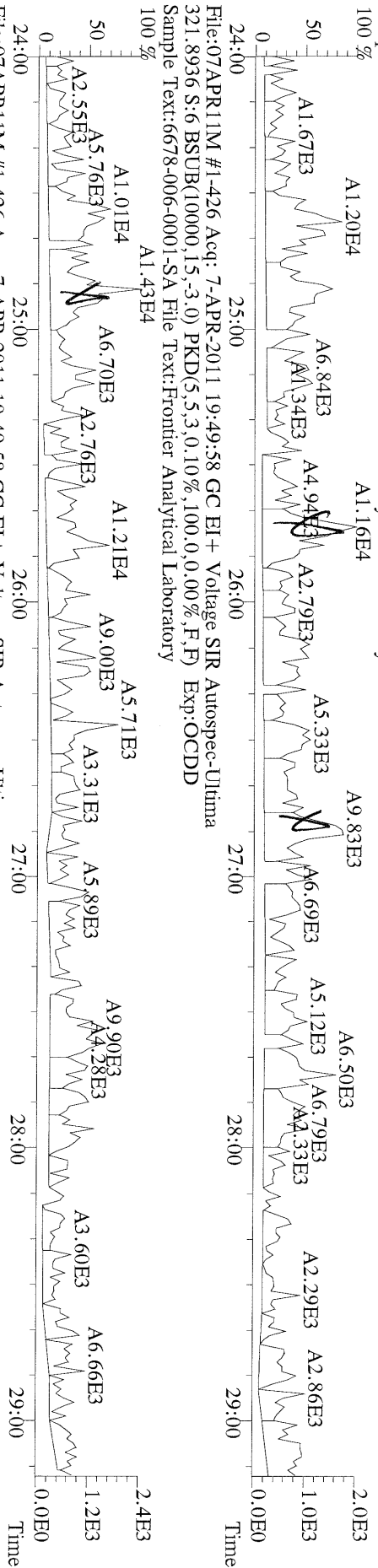
Acquired: 7-APR-11 19:49:58

Total Concentration: 3.43

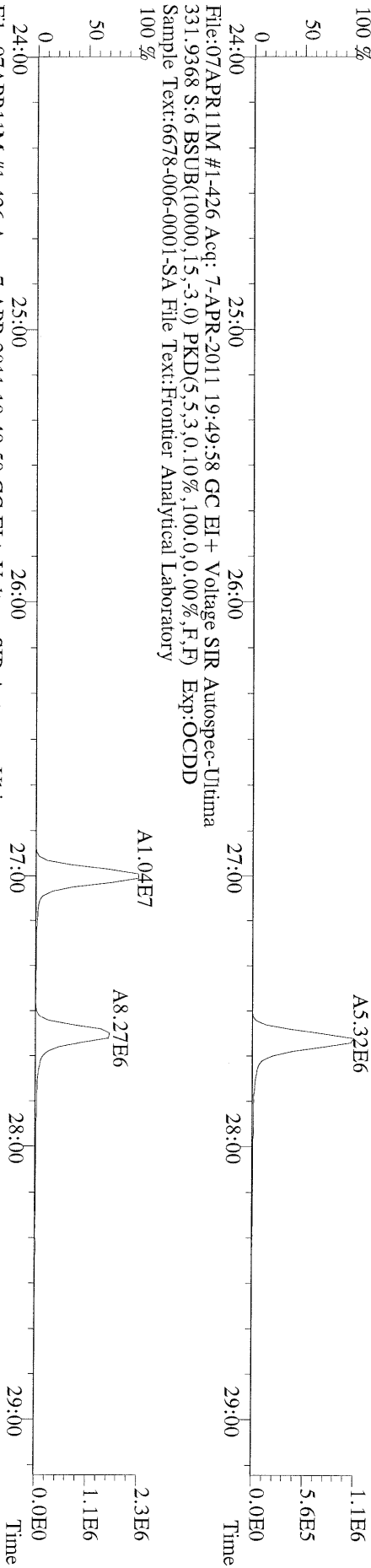
Unnamed Concentration: 2.172

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:34	3.59e+04	3.20e+04	1.12 y	6.78e+04	1.25	1,2,3,4,6,7,8-HpCDF
43:24	5.39e+04	5.34e+04	1.01 y	1.07e+05	2.17	

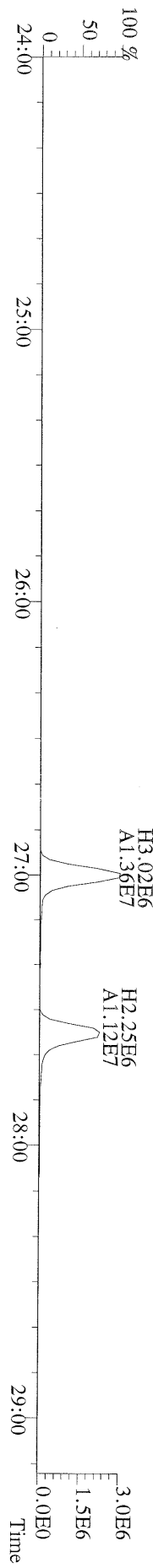
File:07APR11M #1-426 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



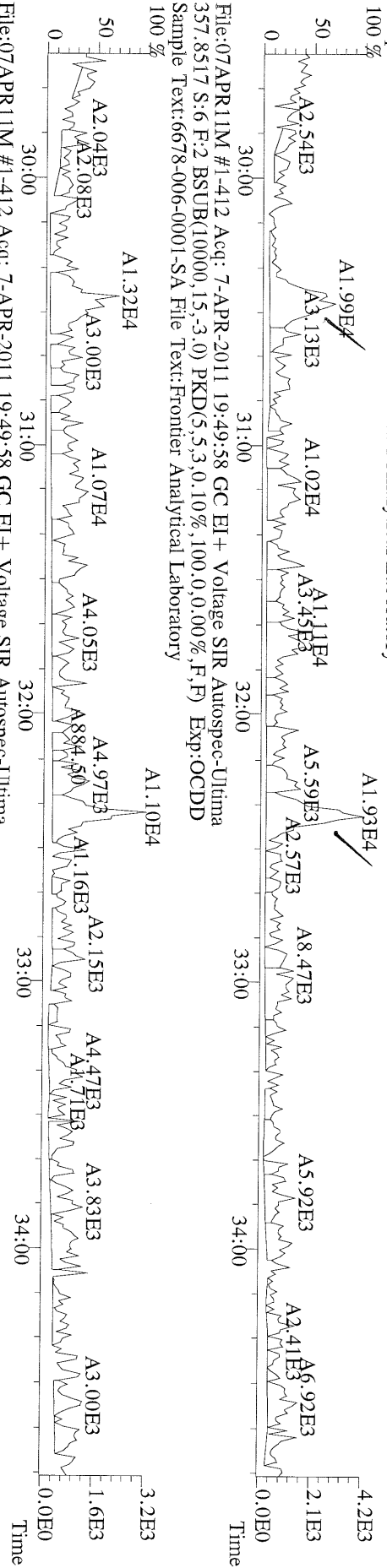
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327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



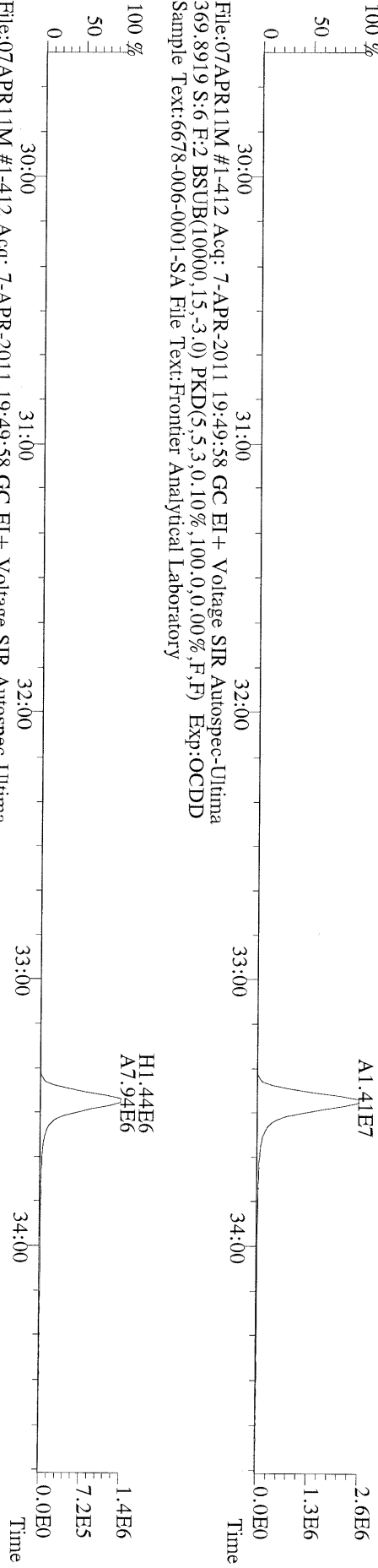
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333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



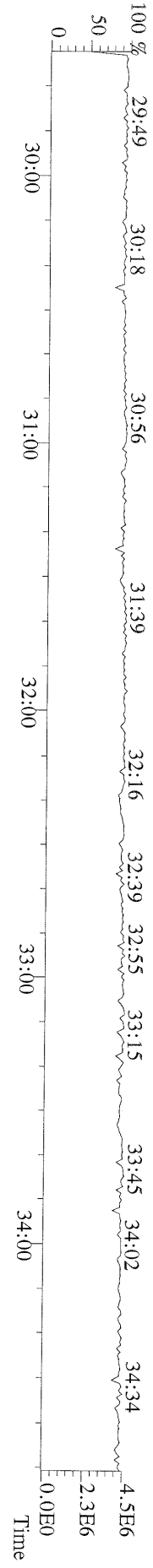
File:07APR11M #1-412 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
 355,8546 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



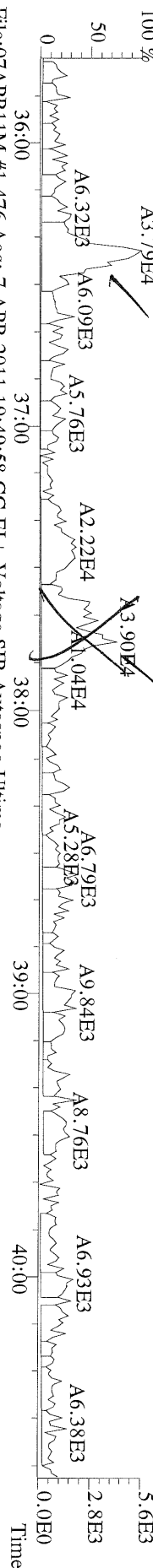
File:07APR11M #1-412 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
 367,8949 S:6 F:2 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,0,0%) F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



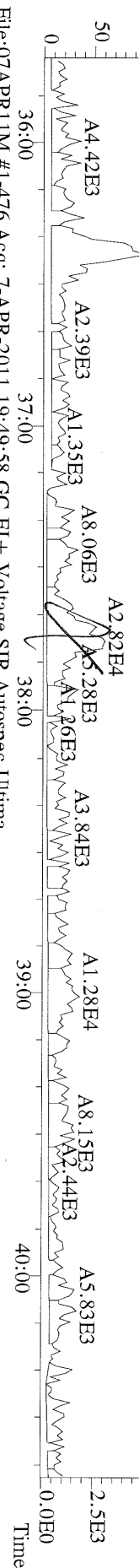
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 366,9792 S:6 F:2 Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



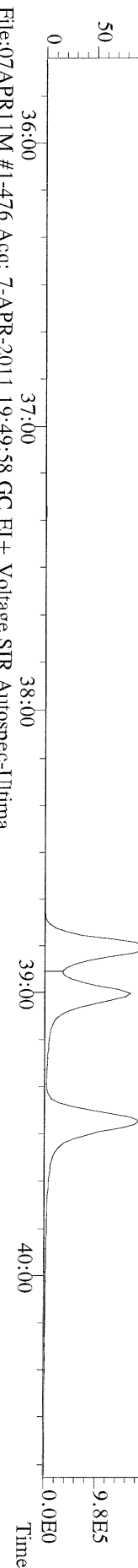
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 389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



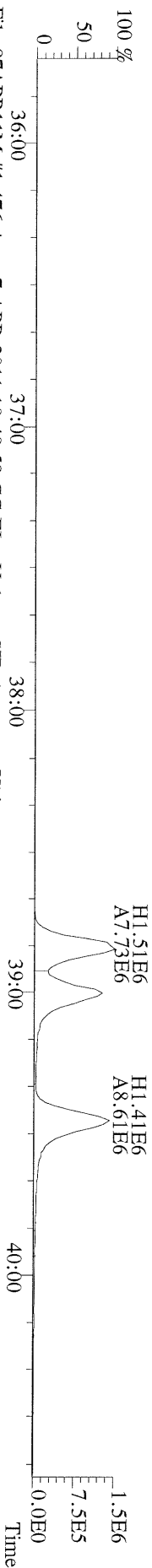
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 391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



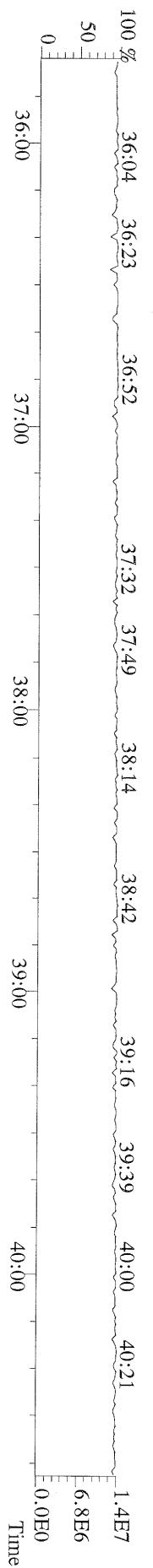
File:07APR11M #1-476 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
 401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



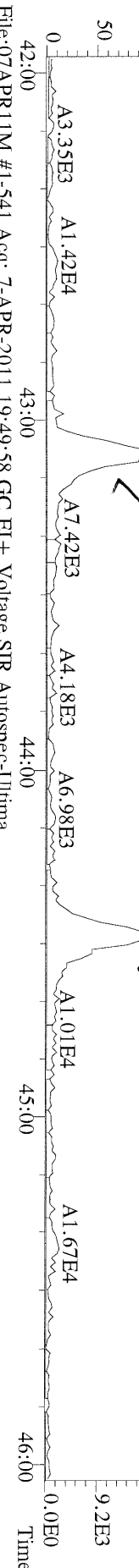
File:07APR11M #1-476 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
 403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



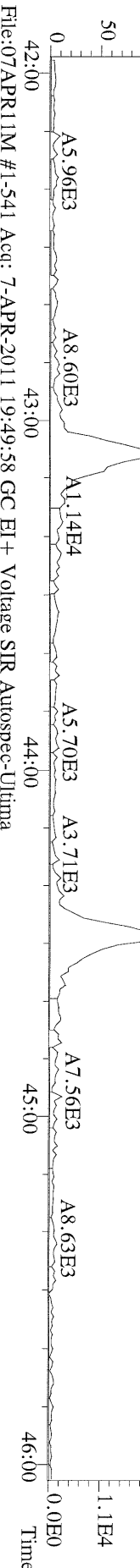
File:07APR11M #1-476 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
 380.9760 S:6 F:3 Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



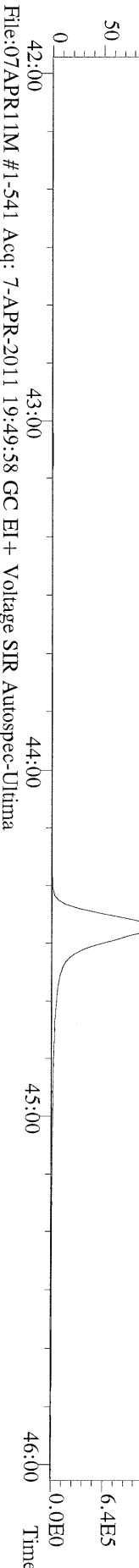
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



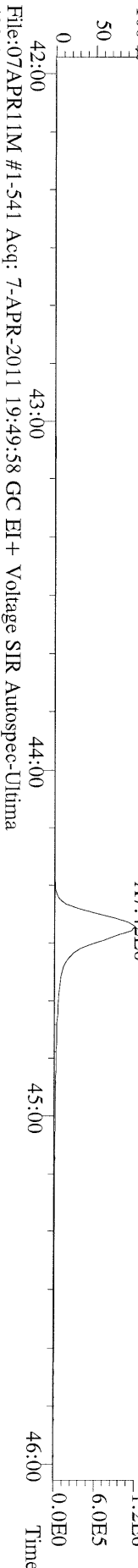
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



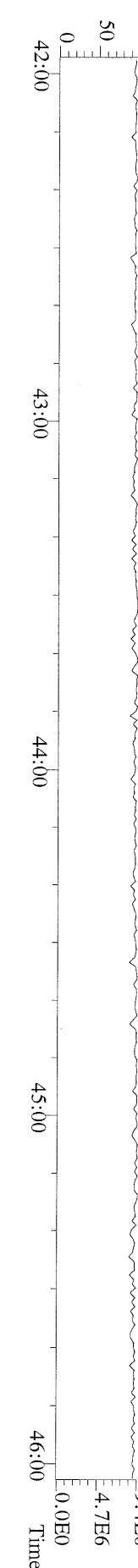
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



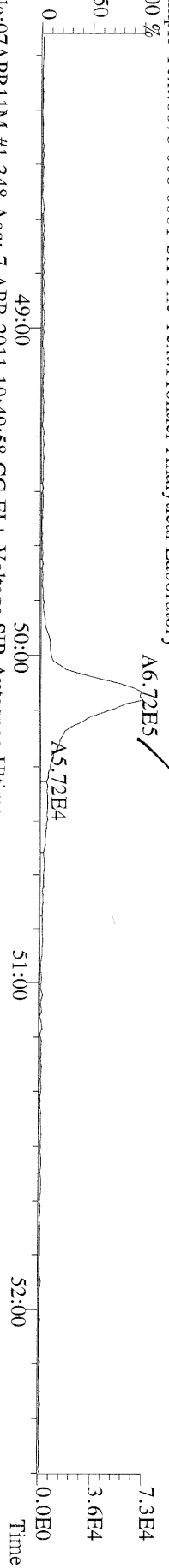
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
430.9728 S:6 F:4 Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



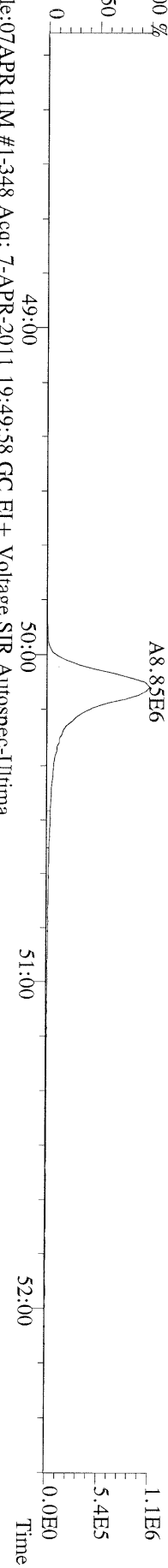
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



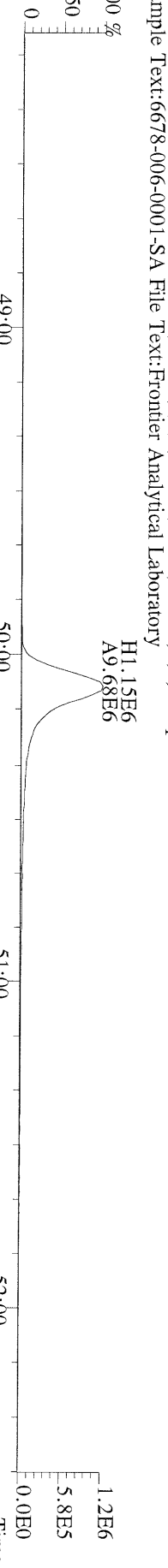
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



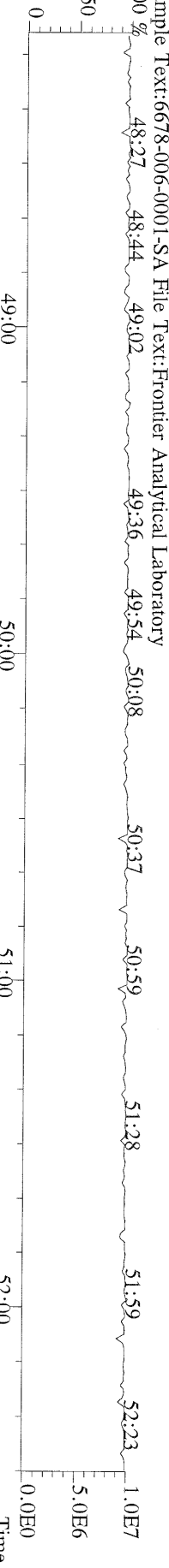
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 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:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



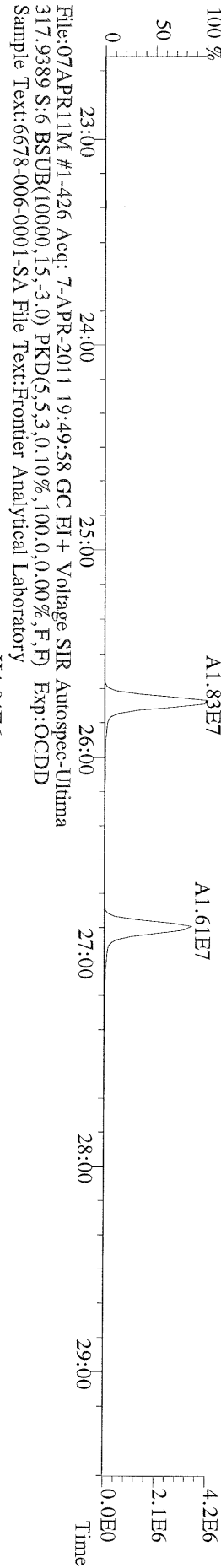
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
454.9728 S:6 F:5 Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory
100 %



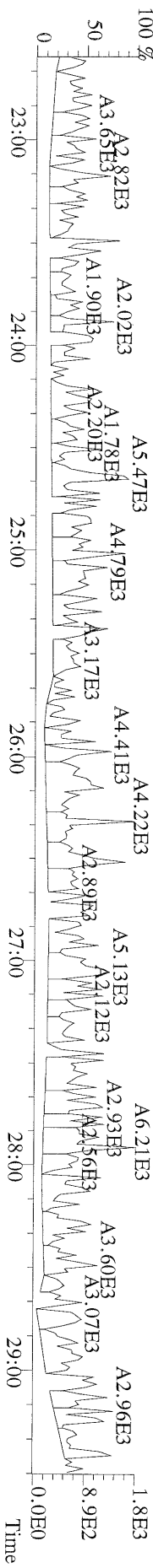
File:07APR11M #1-426 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



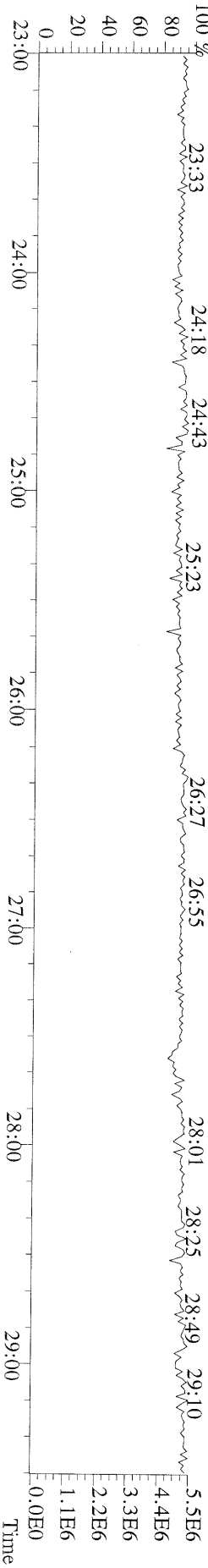
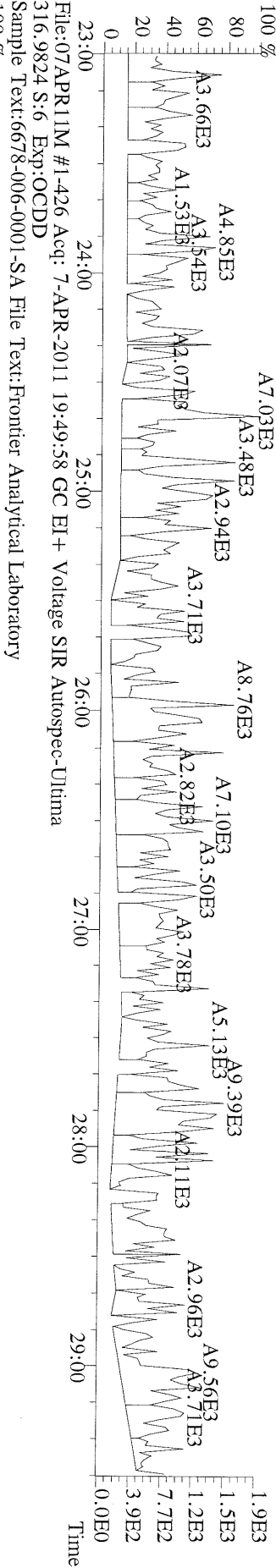
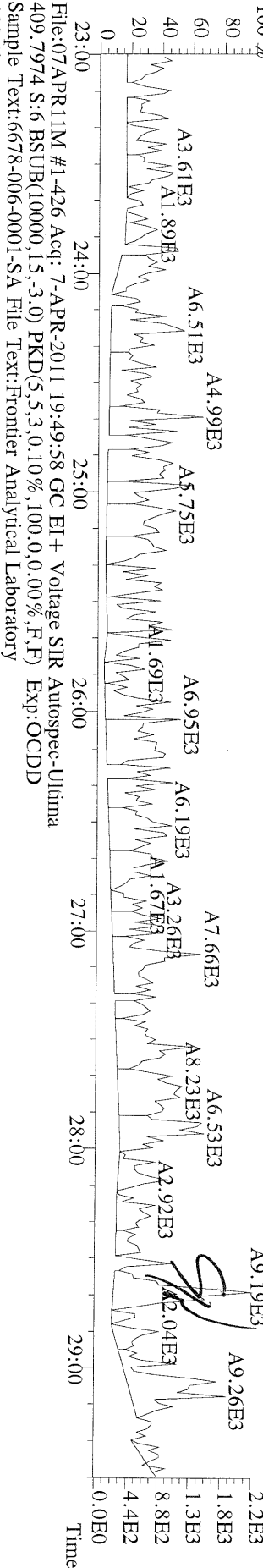
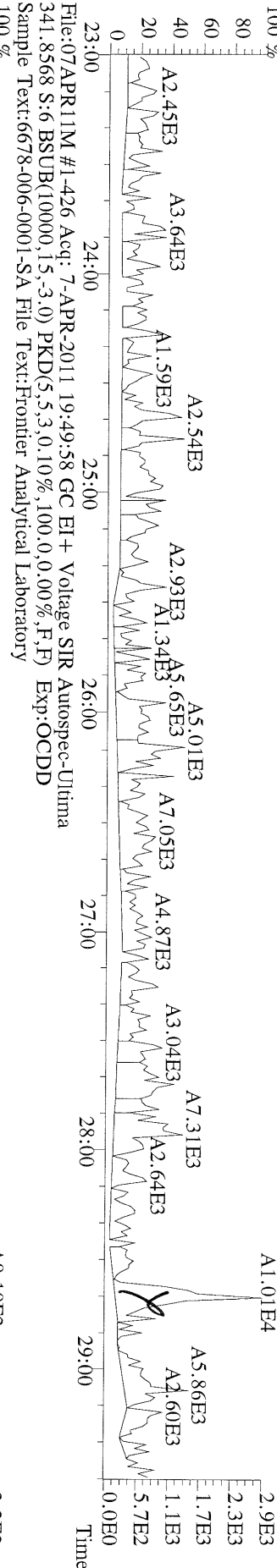
File:07APR11M #1-426 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



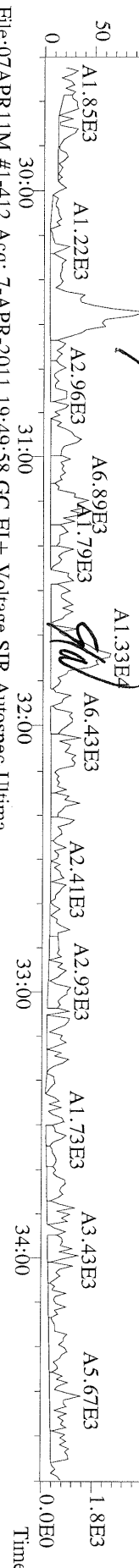
File:07APR11M #1-426 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



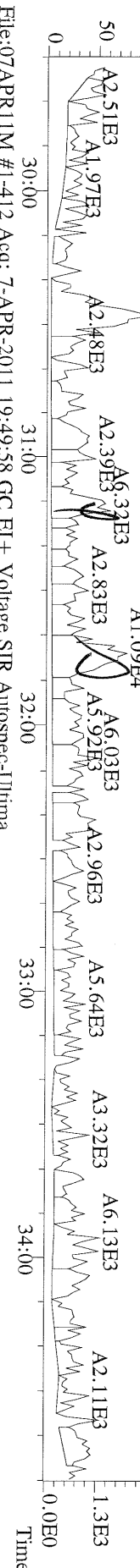
File:07APR11M #1-426 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Utima
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



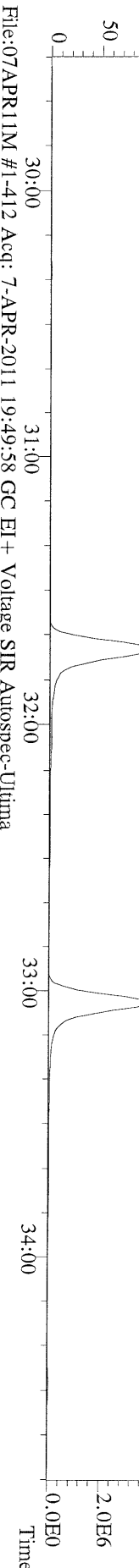
File:07APR11M #-1-412 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



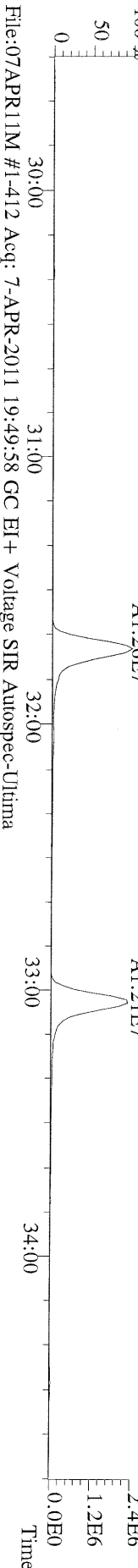
File:07APR11M #-1-412 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



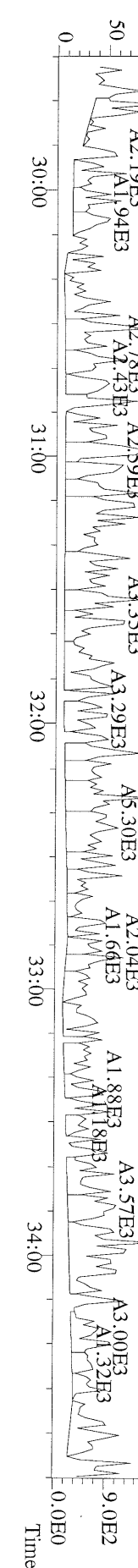
File:07APR11M #-1-412 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



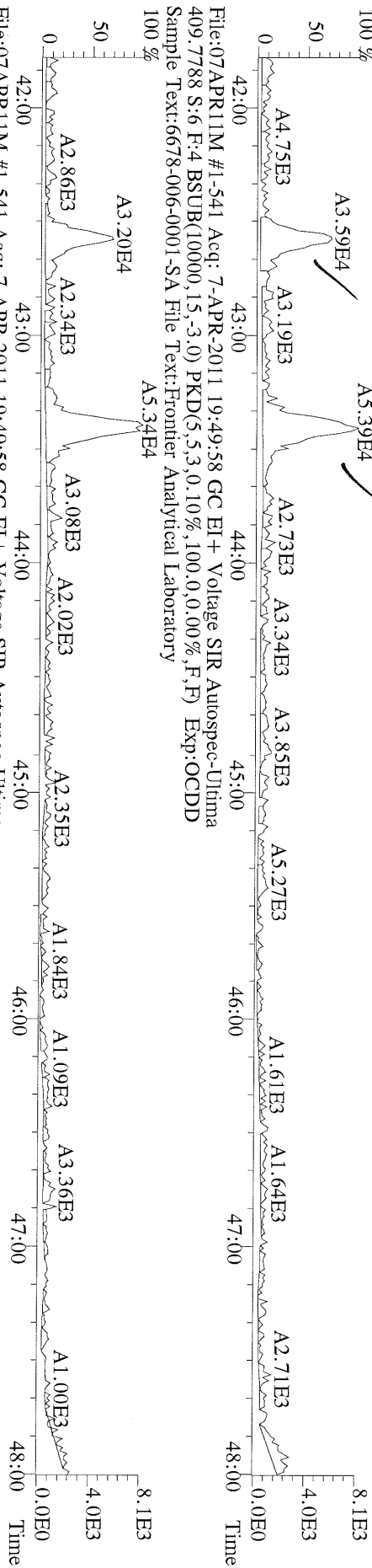
File:07APR11M #-1-412 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



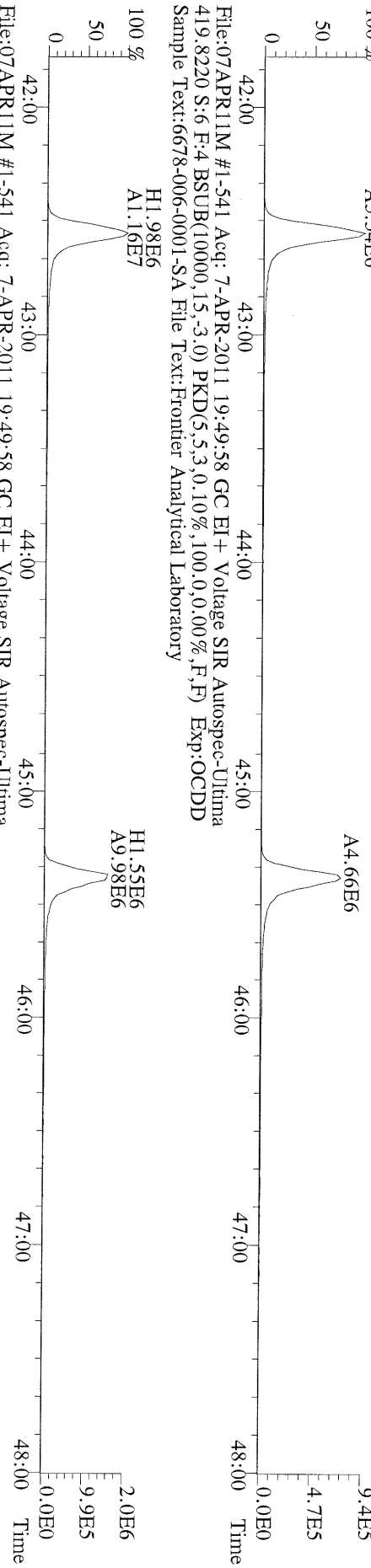
File:07APR11M #-1-412 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



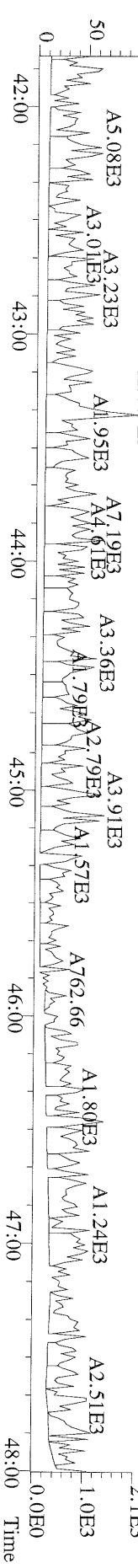
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



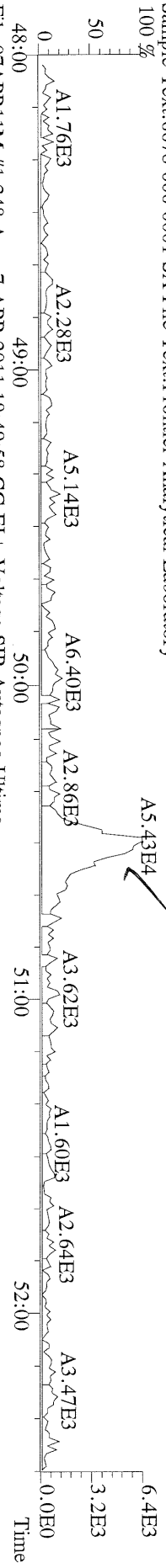
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



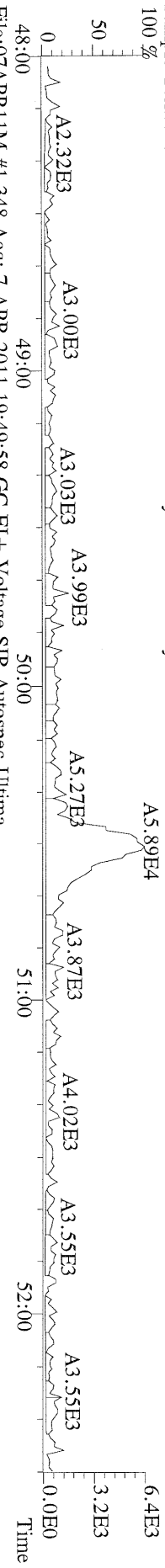
File:07APR11M #1-541 Acq: 7-APR-2011 19:49:58 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



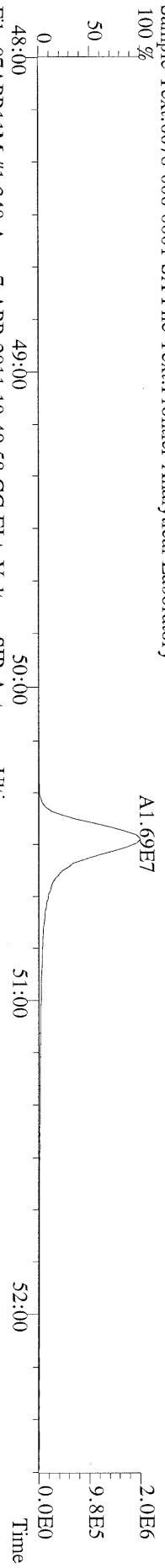
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



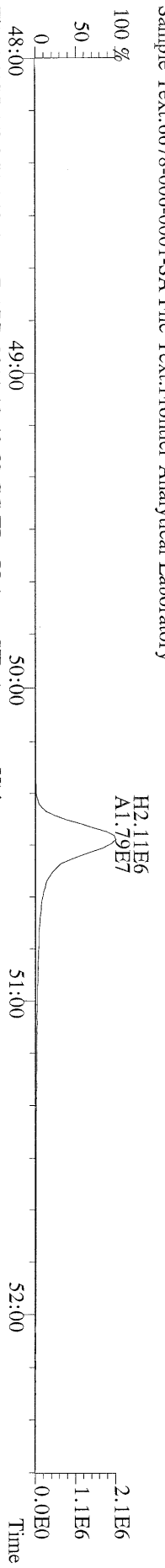
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



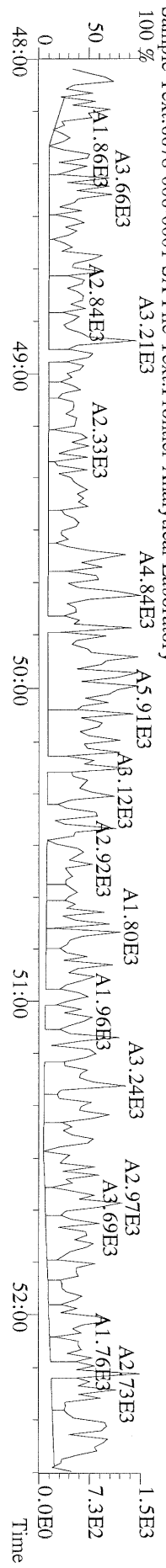
File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 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:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-348 Acq: 7-APR-2011 19:49:58 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:OCDD
Sample Text:6678-006-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	WHO 1998 Tox:		WHO 2005 Tox:		DL	154 ✓
					Conc	Qual	Fac Noise-1	Noise-2		
2,3,7,8-TCDD	6.44e+05	0.75 y	27:40	1.13	9.90	2.50	-	-	*	
1,2,3,7,8-PeCDD	1.03e+06	1.47 y	33:34	1.02	18.2	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	2.69e+06	1.35 y	38:59	1.45	41.5	2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.04e+07	1.28 y	39:09	1.45	170	2.50	-	-	*	
1,2,3,7,8,9-HxCDD	5.52e+06	1.33 y	39:36	1.47	86.4	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	2.36e+08	0.93 y	44:40	1.30	4720	2.50	-	-	*	
OCDD	1.25e+09	0.97 y	50:25	1.45	41000	2.50	-	-	*	
2,3,7,8-TCDF	2.06e+06	0.70 y	26:54	1.15	18.5	2.50	-	-	*	
1,2,3,7,8-PeCDF	9.46e+05	1.61 y	31:48	0.89	12.1	2.50	-	-	*	
2,3,4,7,8-PeCDF	1.12e+06	1.63 y	33:10	0.89	14.4	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	5.93e+06	1.31 y	37:35	1.01	82.9	2.50	-	-	*	
1,2,3,6,7,8-HxCDF	3.59e+06	1.38 y	37:47	0.89	42.9	2.50	-	-	*	
2,3,4,6,7,8-HxCDF	4.03e+06	1.36 y	38:44	1.02	53.3	2.50	-	-	*	
1,2,3,7,8,9-HxCDF	7.42e+05	1.40 y	40:13	1.10	8.46	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	6.41e+07	1.10 y	42:45	1.48	1040	2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	2.32e+06	1.00 y	45:36	1.43	49.0	2.50	-	-	*	
OCDF	7.90e+07	0.94 y	50:47	0.84	2630	2.50	-	-	*	
										Rec
13C-2,3,7,8-TCDD	3.00e+07	0.77 y	27:39	1.03	429					82.2
13C-1,2,3,7,8-PeCDD	2.92e+07	1.77 y	33:32	1.01	426					81.5
13C-1,2,3,4,7,8-HxCDD	2.33e+07	1.31 y	38:58	1.19	367					70.3
13C-1,2,3,6,7,8-HxCDD	2.21e+07	1.30 y	39:07	0.94	442					84.7
13C-1,2,3,4,6,7,8-HpCDD	2.01e+07	1.02 y	44:38	0.83	455					87.1
13C-OCDD	2.19e+07	0.97 y	50:24	0.61	677					64.8
13C-2,3,7,8-TCDF	5.08e+07	0.87 y	26:53	0.98	471					90.2
13C-1,2,3,7,8-PeCDF	4.62e+07	1.64 y	31:47	0.83	507					97.0
13C-2,3,4,7,8-PeCDF	4.56e+07	1.67 y	33:07	0.80	516					98.8
13C-1,2,3,4,7,8-HxCDF	3.70e+07	0.49 y	37:35	1.84	377					72.2
13C-1,2,3,6,7,8-HxCDF	4.90e+07	0.50 y	37:46	2.29	401					76.8
13C-2,3,4,6,7,8-HxCDF	3.88e+07	0.52 y	38:43	1.86	391					74.9
13C-1,2,3,7,8,9-HxCDF	4.15e+07	0.48 y	40:09	1.98	393					75.2
13C-1,2,3,4,6,7,8-HpCDF	2.18e+07	0.47 y	42:44	0.99	414					79.4
13C-1,2,3,4,7,8,9-HpCDF	1.73e+07	0.47 y	45:35	0.77	424					81.3
13C-OCDF	3.72e+07	0.93 y	50:46	1.17	598					57.3
37Cl-2,3,7,8-TCDD	8.12e+06		27:40	0.73	164					78.5
13C-1,2,3,4-TCDD	3.54e+07	0.77 y	27:03	-	24.3					
13C-1,2,3,4-TCDF	5.74e+07	0.88 y	25:47	-	20.8					
13C-1,2,3,7,8,9-HxCDD	2.79e+07	1.29 y	39:35	-	29.3					
Total Tetra-Dioxins	7.01e+06		24:38	1.13	108	2.50	-	-	*	16
Total Penta-Dioxins	3.17e+07		30:31	1.02	559	2.50	-	-	*	10
Total Hexa-Dioxins	9.91e+07		36:31	1.46	1570	2.50	-	-	*	7
Total Hepta-Dioxins	4.74e+08		43:17	1.30	9490	2.50	-	-	*	2
Total Tetra-Furans	3.37e+07		23:17	1.15	302	2.50	-	-	*	24
1st Fn. Tot Penta-Furans	1.54e+07		28:43	0.89	197	2.50	-	-	*	PeCDF 1
Total Penta-Furans	2.31e+07		30:22	0.89	295	2.50	-	-	*	492 ✓ 18
Total Hexa-Furans	1.04e+08		35:38	1.00	1310	2.50	-	-	*	13
Total Hepta-Furans	1.68e+08		42:45	1.46	2950	2.50	-	-	*	4

Analyst:  Date: 4/8/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 13

File: 07APR11M

S: 5 I: 1 F: 1

Acquired: 7-APR-11 18:54:38

Total Concentration: 108

Unnamed Concentration: 97.820

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:38	6.25e+05	9.07e+05	0.69 y	1.53e+06	23.5	
24:55	5.50e+05	7.25e+05	0.76 y	1.27e+06	19.6	
25:14	4.45e+05	5.79e+05	0.77 y	1.02e+06	15.7	
25:51	8.77e+04	1.14e+05	0.77 y	2.02e+05	3.10	
26:02	2.18e+05	2.95e+05	0.74 y	5.13e+05	7.88	
26:12	2.67e+05	3.40e+05	0.79 y	6.07e+05	9.33	
26:21	9.08e+04	1.08e+05	0.84 y	1.98e+05	3.05	
26:34	7.15e+04	9.32e+04	0.77 y	1.65e+05	2.53	
26:43	7.38e+04	1.03e+05	0.71 y	1.77e+05	2.72	
27:04	1.09e+05	1.40e+05	0.78 y	2.49e+05	3.82	
27:24	7.92e+04	1.06e+05	0.75 y	1.85e+05	2.85	
27:33	1.56e+04	2.34e+04	0.67 y	3.89e+04	0.598	
27:40	2.76e+05	3.68e+05	0.75 y	6.44e+05	9.90	2,3,7,8-TCDD
27:57	5.31e+04	6.95e+04	0.76 y	1.23e+05	1.88	
28:04	1.63e+04	2.20e+04	0.74 y	3.83e+04	0.588	
28:36	1.62e+04	2.18e+04	0.74 y	3.80e+04	0.584	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 13

File: 07APR11M

S: 5 I: 1 F: 2

Acquired: 7-APR-11 18:54:38

Total Concentration: 559

Unnamed Concentration: 540.659

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:31	1.38e+07	8.93e+06	1.55 y	2.28e+07	401	
31:09	5.43e+05	6.02e+05	0.90 n	8.93e+05	15.7	
31:47	1.03e+06	7.11e+05	1.45 y	1.74e+06	30.7	
32:01	1.43e+06	9.33e+05	1.53 y	2.36e+06	41.6	
32:09	5.90e+05	4.40e+05	1.34 y	1.03e+06	18.1	
32:27	6.09e+05	4.47e+05	1.36 y	1.06e+06	18.6	
32:57	1.94e+05	1.37e+05	1.42 y	3.31e+05	5.83	
33:34	6.16e+05	4.19e+05	1.47 y	1.03e+06	18.2	1,2,3,7,8-PeCDD
33:38	1.86e+05	1.33e+05	1.40 y	3.18e+05	5.61	
34:08	1.16e+05	7.35e+04	1.58 y	1.89e+05	3.34	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 13

File: 07APR11M

S: 5 I: 1 F: 3

Acquired: 7-APR-11 18:54:38

Total Concentration: 1570

Unnamed Concentration: 1270.740

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:31	2.33e+07	1.78e+07	1.31 y	4.10e+07	648	
37:27	2.02e+06	1.52e+06	1.33 y	3.55e+06	56.0	
37:52	1.97e+07	1.52e+07	1.30 y	3.49e+07	552	
38:59	1.54e+06	1.14e+06	1.35 y	2.69e+06	41.5	1,2,3,4,7,8-HxCDD
39:09	5.85e+06	4.59e+06	1.28 y	1.04e+07	170	1,2,3,6,7,8-HxCDD
39:26	5.41e+05	4.12e+05	1.31 y	9.53e+05	15.0	
39:36	3.15e+06	2.37e+06	1.33 y	5.52e+06	86.4	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 13

File: 07APR11M

S: 5 I: 1 F: 4

Acquired: 7-APR-11 18:54:38

Total Concentration: 9490

Unnamed Concentration: 4768.657

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:17	1.15e+08	1.23e+08	0.93 y	2.38e+08	4770	
44:40	1.14e+08	1.22e+08	0.93 y	2.36e+08	4720	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 13

File: 07APR11M

S: 5 I: 1 F: 1

Acquired: 7-APR-11 18:54:38

Total Concentration: 302

Unnamed Concentration: 283.843

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:17	2.61e+05	3.79e+05	0.69 y	6.39e+05	5.73	
23:38	4.02e+05	5.77e+05	0.70 y	9.80e+05	8.78	
23:52	1.67e+04	2.53e+04	0.66 y	4.20e+04	0.376	
24:02	1.36e+06	1.93e+06	0.70 y	3.30e+06	29.5	
24:25	1.18e+06	1.70e+06	0.69 y	2.88e+06	25.8	
24:40	1.58e+06	2.29e+06	0.69 y	3.87e+06	34.7	
24:58	8.20e+05	1.18e+06	0.69 y	2.00e+06	17.9	
25:05	4.16e+05	6.00e+05	0.69 y	1.02e+06	9.10	
25:12	6.06e+05	8.56e+05	0.71 y	1.46e+06	13.1	
25:34	4.82e+05	7.07e+05	0.68 y	1.19e+06	10.6	
25:41	9.08e+05	1.27e+06	0.71 y	2.18e+06	19.5	
25:47	9.88e+05	1.41e+06	0.70 y	2.40e+06	21.5	
26:01	1.93e+05	2.82e+05	0.68 y	4.75e+05	4.25	
26:10	5.31e+05	7.60e+05	0.70 y	1.29e+06	11.6	
26:24	3.04e+05	4.60e+05	0.66 y	7.65e+05	6.85	
26:32	1.78e+05	2.43e+05	0.73 y	4.21e+05	3.77	
26:48	5.78e+05	8.48e+05	0.68 y	1.43e+06	12.8	
26:54	8.51e+05	1.21e+06	0.70 y	2.06e+06	18.5	2,3,7,8-TCDF
27:14	9.16e+05	1.32e+06	0.70 y	2.23e+06	20.0	
27:28	9.57e+04	1.41e+05	0.68 y	2.37e+05	2.12	
27:36	6.70e+04	9.42e+04	0.71 y	1.61e+05	1.44	
28:05	4.70e+05	6.70e+05	0.70 y	1.14e+06	10.2	
28:18	3.91e+05	5.63e+05	0.69 y	9.54e+05	8.55	
28:44	2.57e+05	3.74e+05	0.69 y	6.31e+05	5.65	

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

Run: 13 File: 07APR11M S: 5 I: 1 F: 1
Acquired: 7-APR-11 18:54:38

Total Concentration: 197 Unnamed Concentration: 196.841

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:43	9.28e+06	6.11e+06	1.52 y	1.54e+07	197	

Totals class: Total Penta-Furans

Entry #: 44

Run: 13

File: 07APR11M

S: 5 I: 1 F: 2

Acquired: 7-APR-11 18:54:38

Total Concentration: 295

Unnamed Concentration: 268.630

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:22	9.43e+05	6.11e+05	1.54 y	1.55e+06	19.9	
30:32	5.48e+06	3.50e+06	1.57 y	8.98e+06	115	
30:59	4.20e+05	2.67e+05	1.57 y	6.86e+05	8.77	
31:15	2.01e+06	1.29e+06	1.57 y	3.30e+06	42.2	
31:33	4.67e+05	2.88e+05	1.62 y	7.56e+05	9.66	
31:48	5.83e+05	3.63e+05	1.61 y	9.46e+05	12.1	1,2,3,7,8-PeCDF
32:01	6.97e+05	4.44e+05	1.57 y	1.14e+06	14.6	
32:08	7.78e+05	4.98e+05	1.56 y	1.28e+06	16.3	
32:20	2.20e+05	1.34e+05	1.64 y	3.54e+05	4.53	
32:50	5.69e+04	3.63e+04	1.56 y	9.32e+04	1.19	
33:00	2.54e+05	1.65e+05	1.54 y	4.19e+05	5.36	
33:10	6.98e+05	4.27e+05	1.63 y	1.12e+06	14.4	2,3,4,7,8-PeCDF
33:11	7.99e+05	5.24e+05	1.52 y	1.32e+06	16.9	
33:20	1.31e+05	8.40e+04	1.56 y	2.15e+05	2.75	
33:34	7.14e+04	4.65e+04	1.53 y	1.18e+05	1.51	
34:13	1.30e+05	8.20e+04	1.58 y	2.12e+05	2.70	
34:24	2.96e+05	1.83e+05	1.62 y	4.79e+05	6.12	
34:34	5.94e+04	4.07e+04	1.46 y	1.00e+05	1.28	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 13 File: 07APR11M S: 5 I: 1 F: 3
Acquired: 7-APR-11 18:54:38

Total Concentration: 1310

Unnamed Concentration: 1121.488

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:38	6.26e+06	4.96e+06	1.26 y	1.12e+07	141	
35:55	2.10e+07	1.65e+07	1.27 y	3.75e+07	471	
36:16	4.40e+05	3.33e+05	1.32 y	7.73e+05	9.70	
36:31	7.12e+05	5.44e+05	1.31 y	1.26e+06	15.8	
36:49	1.89e+07	1.49e+07	1.27 y	3.38e+07	424	
37:25	7.56e+05	5.30e+05	1.43 y	1.29e+06	16.1	
37:35	3.36e+06	2.57e+06	1.31 y	5.93e+06	82.9	1,2,3,4,7,8-HxCDF
37:47	2.08e+06	1.51e+06	1.38 y	3.59e+06	42.9	1,2,3,6,7,8-HxCDF
38:14	5.37e+05	4.24e+05	1.27 y	9.61e+05	12.1	
38:24	1.31e+06	9.35e+05	1.40 y	2.24e+06	28.1	
38:44	2.32e+06	1.70e+06	1.36 y	4.03e+06	53.3	2,3,4,6,7,8-HxCDF
39:02	2.03e+05	1.48e+05	1.38 y	3.50e+05	4.40	
40:13	4.33e+05	3.09e+05	1.40 y	7.42e+05	8.46	1,2,3,7,8,9-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 13

File: 07APR11M

S: 5 I: 1 F: 4

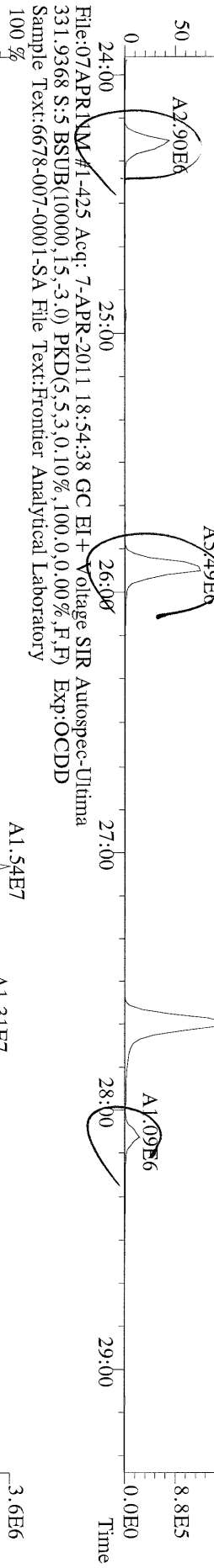
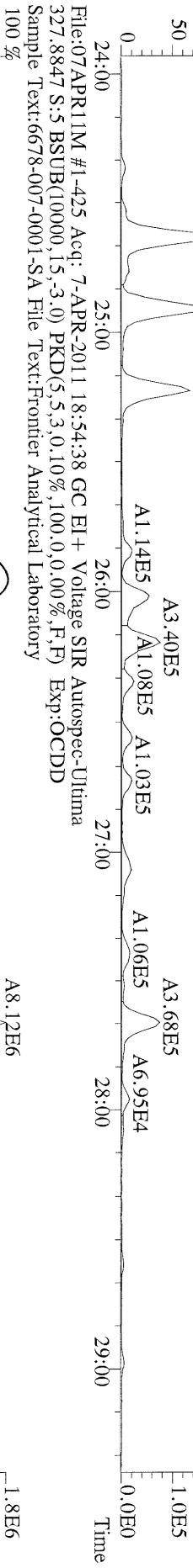
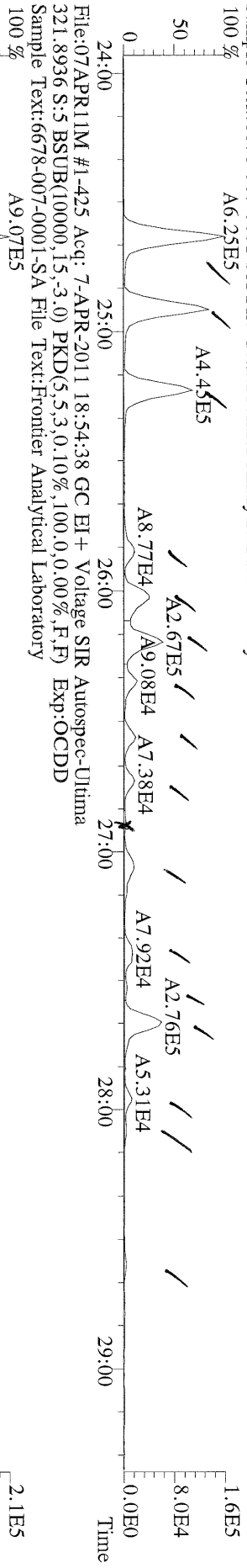
Acquired: 7-APR-11 18:54:38

Total Concentration: 2950

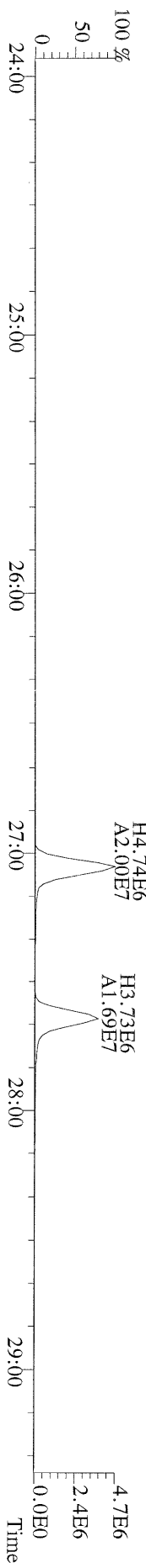
Unnamed Concentration: 1864.642

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:45	3.35e+07	3.05e+07	1.10 y	6.41e+07	1040	1,2,3,4,6,7,8-HpCDF
43:17	6.82e+05	6.30e+05	1.08 y	1.31e+06	24.0	
43:34	5.25e+07	4.81e+07	1.09 y	1.01e+08	1840	
45:36	1.16e+06	1.16e+06	1.00 y	2.32e+06	49.0	1,2,3,4,7,8,9-HpCDF

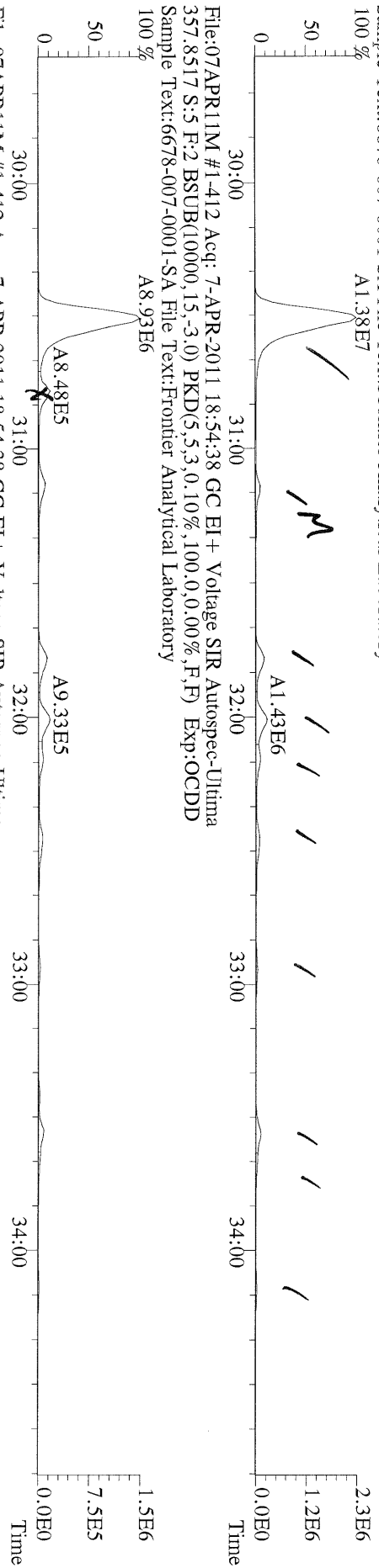
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



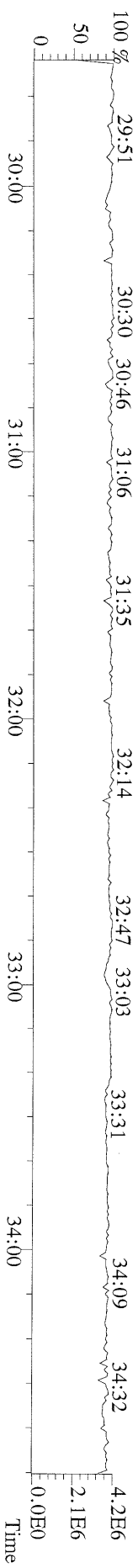
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5.5,3.0,100,0.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



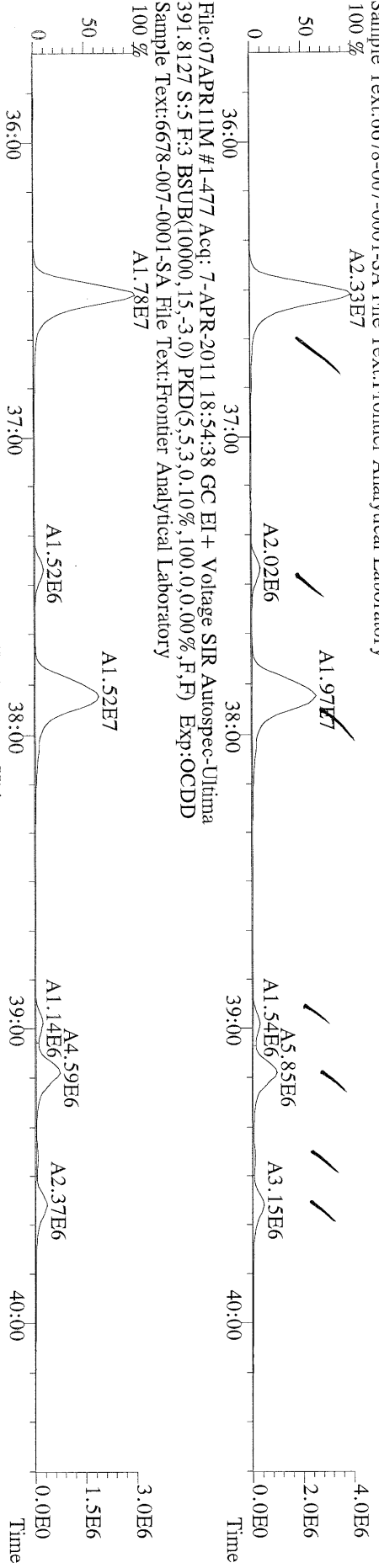
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



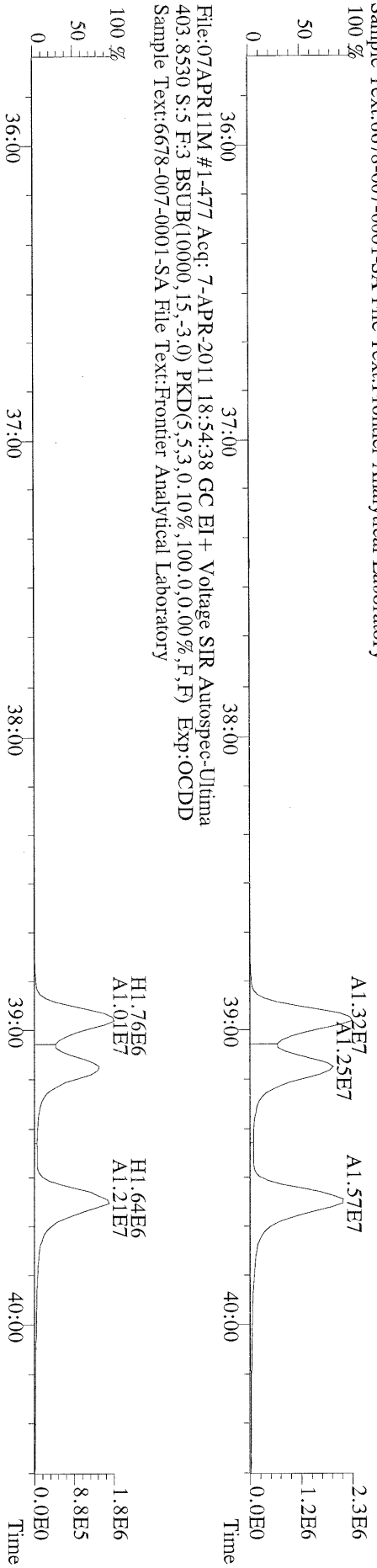
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
366.9792 S:5 F:2 Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



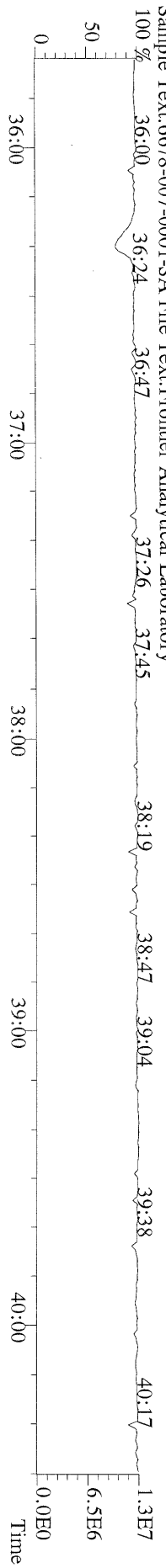
File:07APR11M #1-477 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



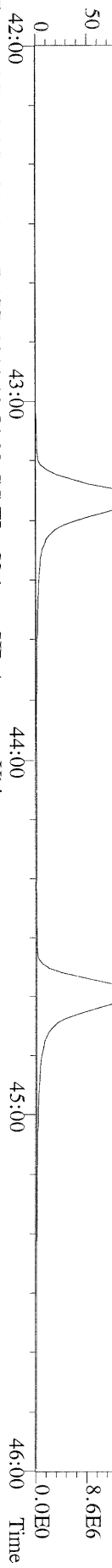
File:07APR11M #1-477 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



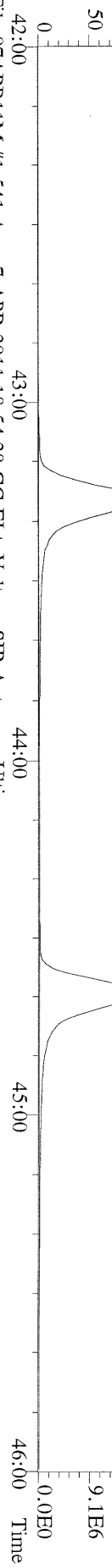
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380.9760 S:5 F:3 Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



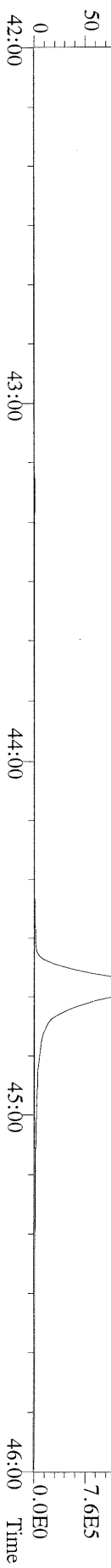
File:07APR11M #1-541 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



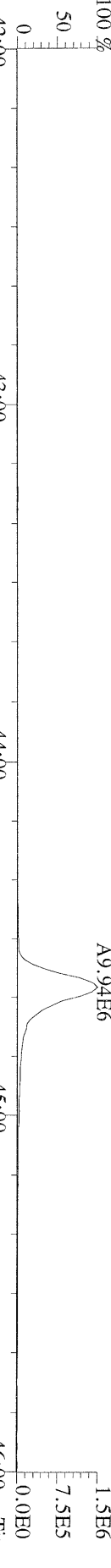
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425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



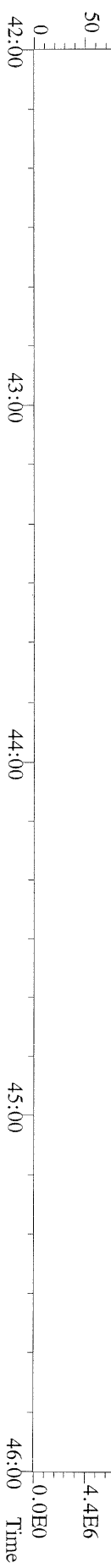
File:07APR11M #1-541 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



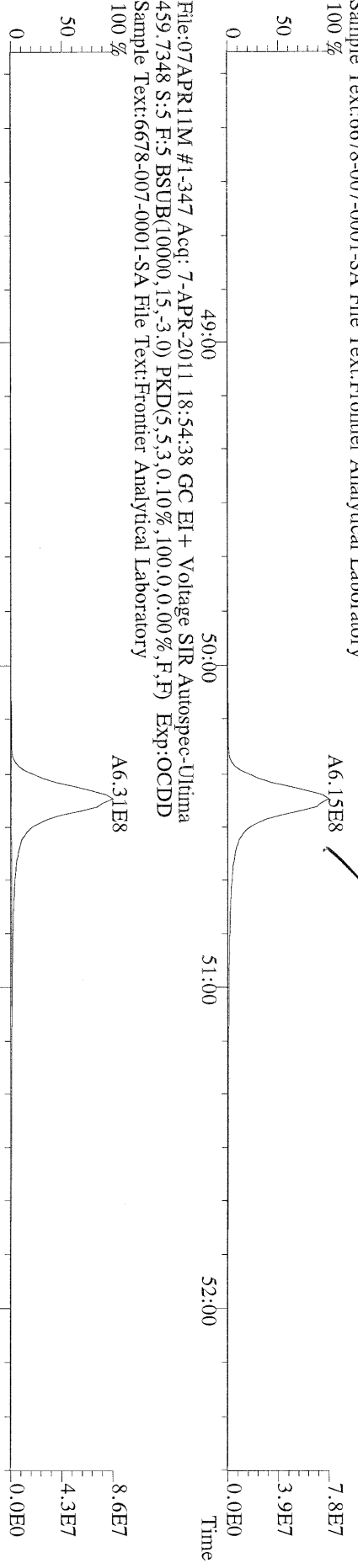
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437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



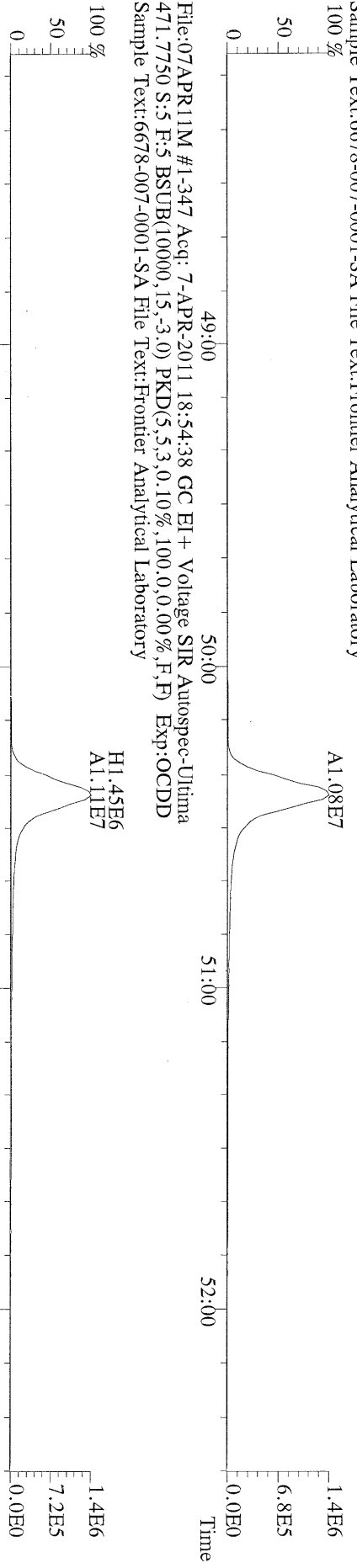
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430.9728 S:5 F:4 Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



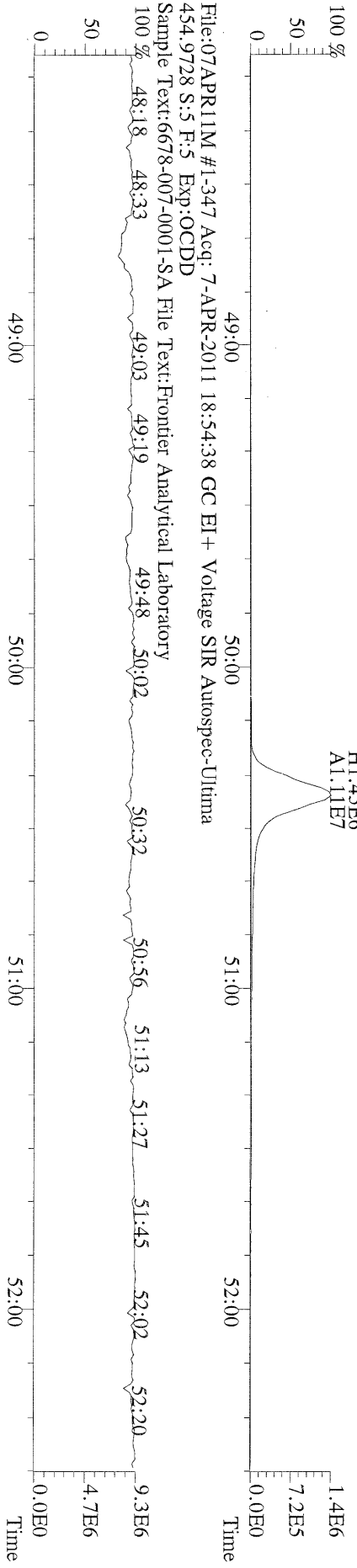
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



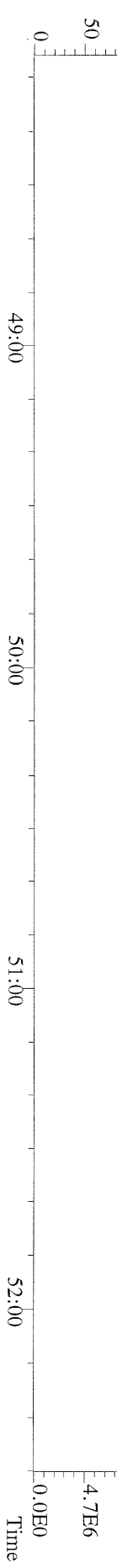
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



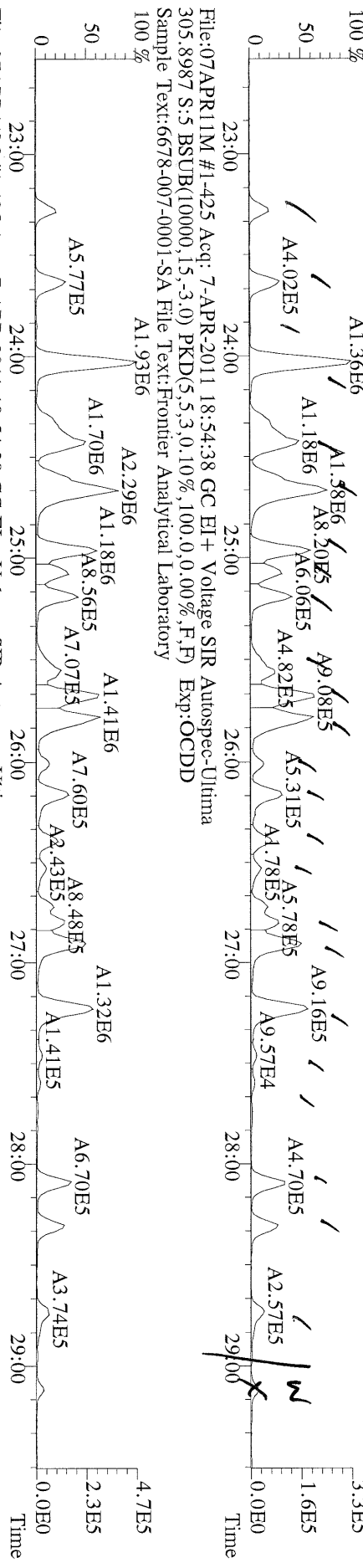
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



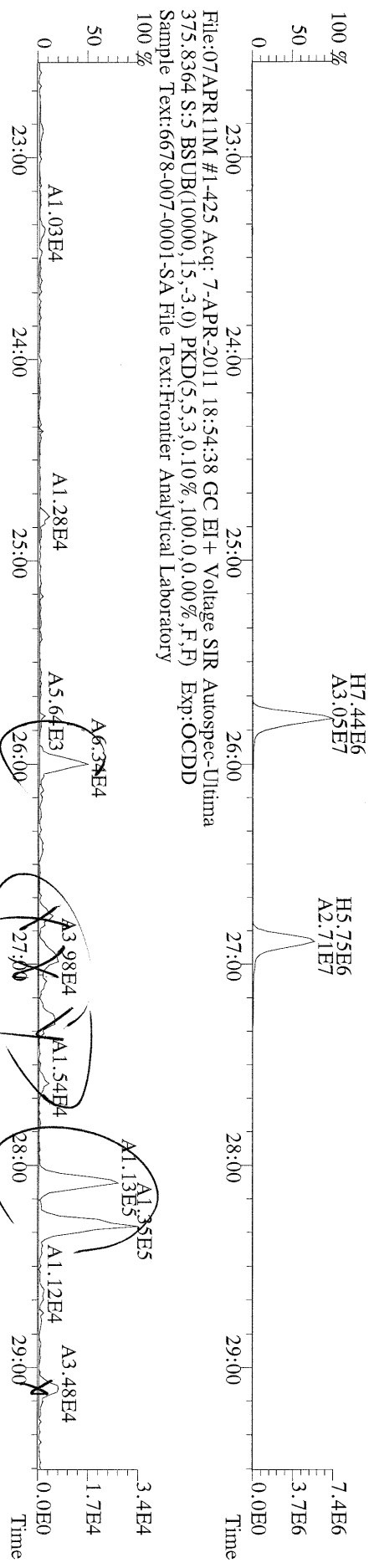
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
454.9728 S:5 F:5 Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory
100 %



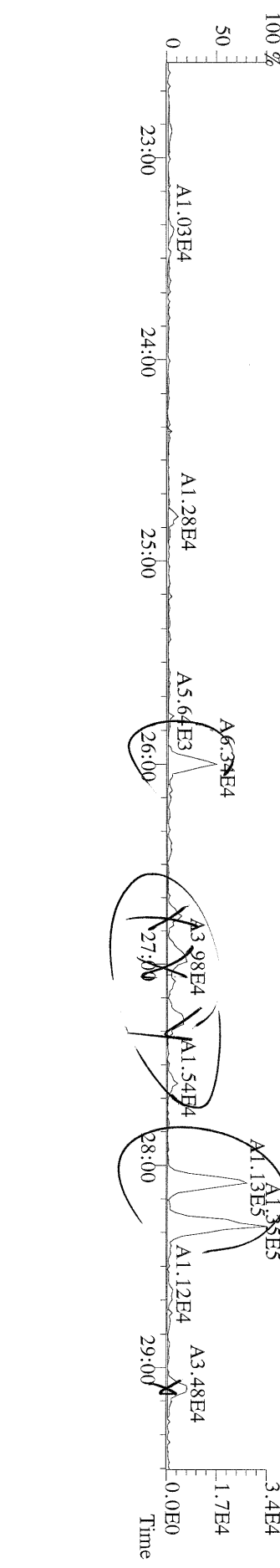
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303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



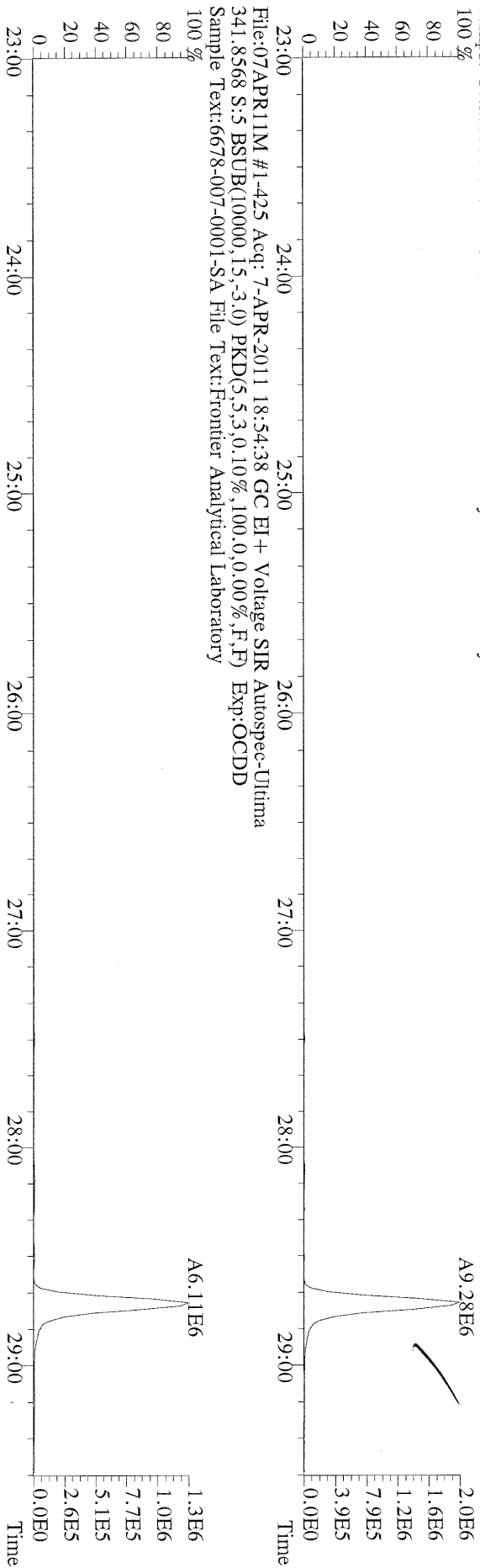
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



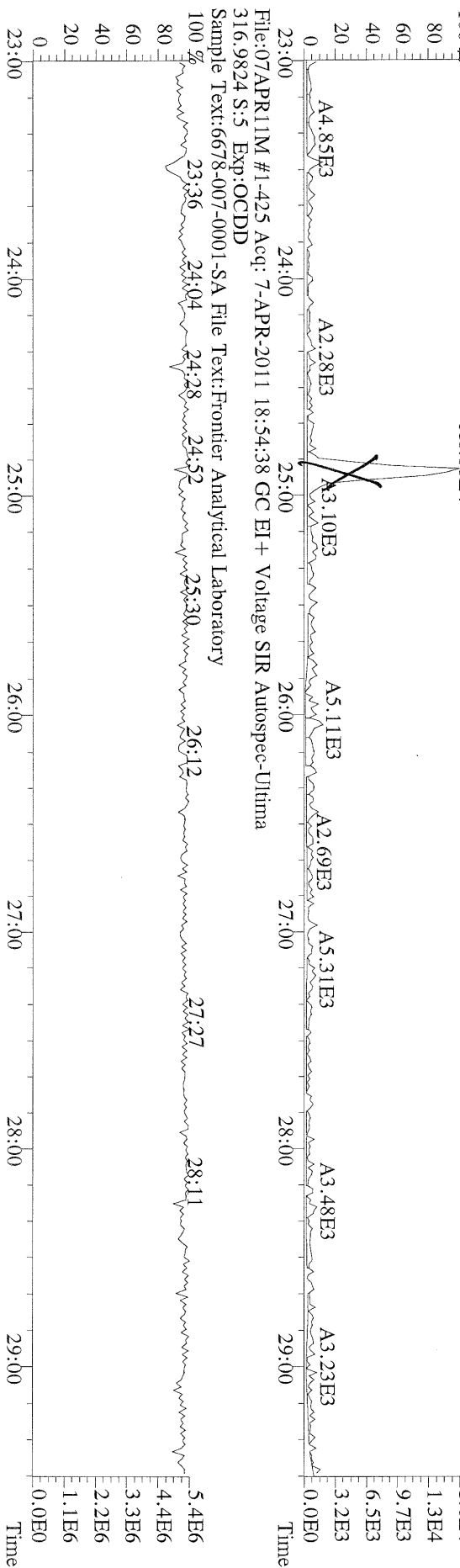
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



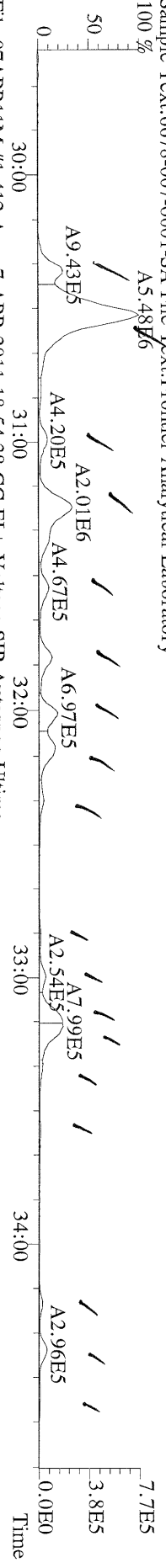
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



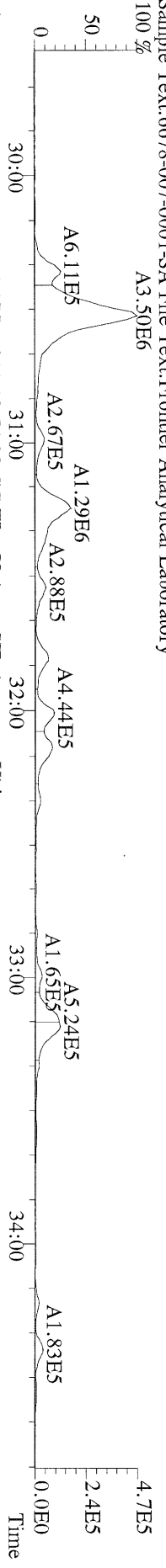
File:07APR11M #1-425 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
 409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



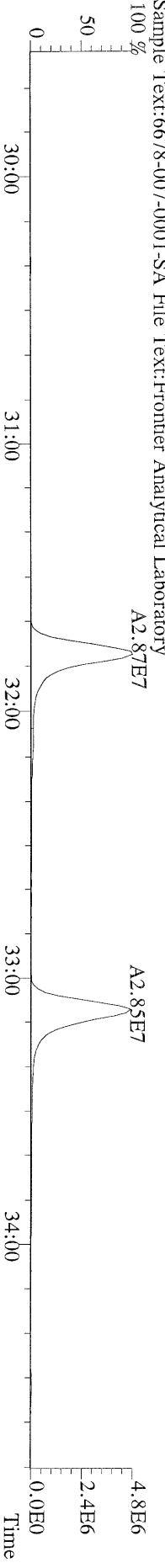
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



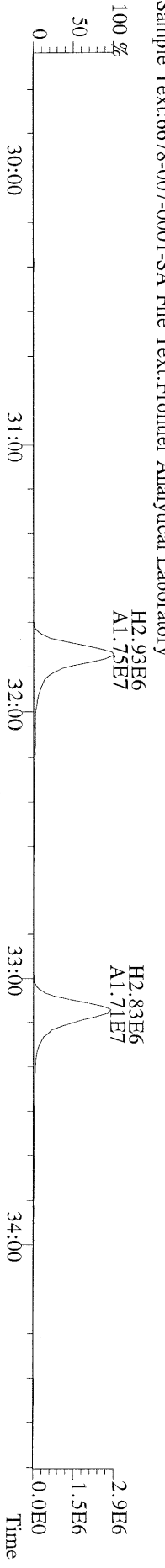
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



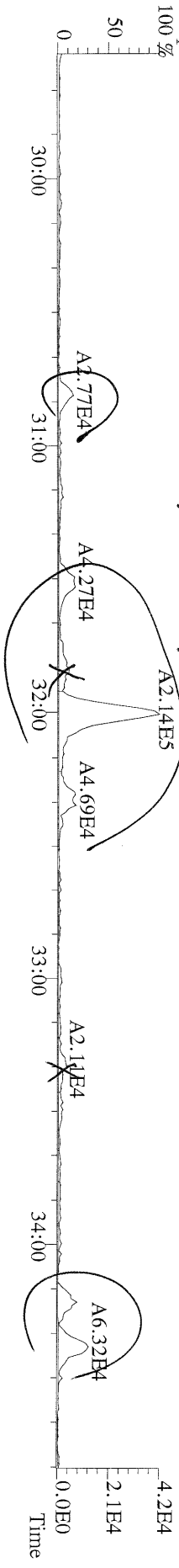
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



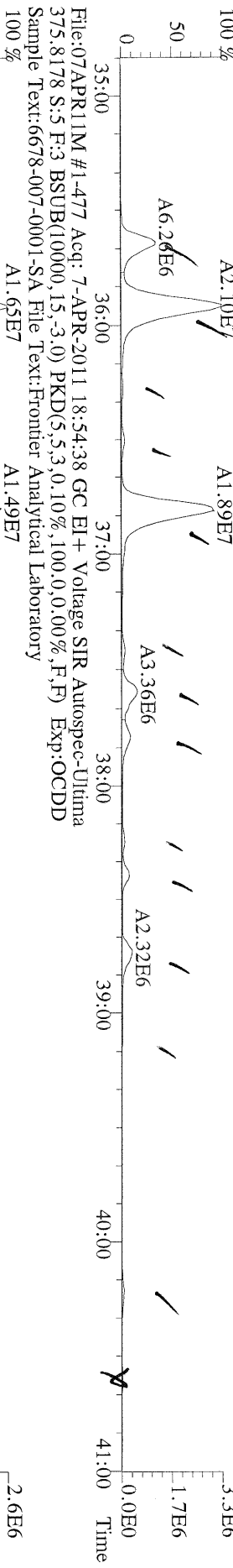
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



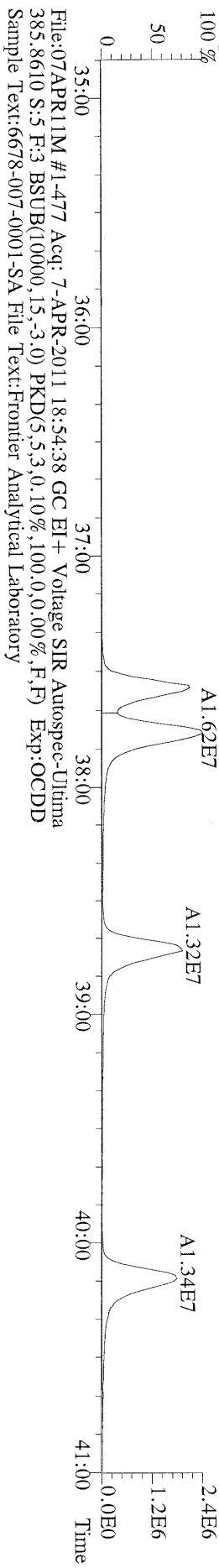
File:07APR11M #1-412 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5.3,0.10%,100.0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



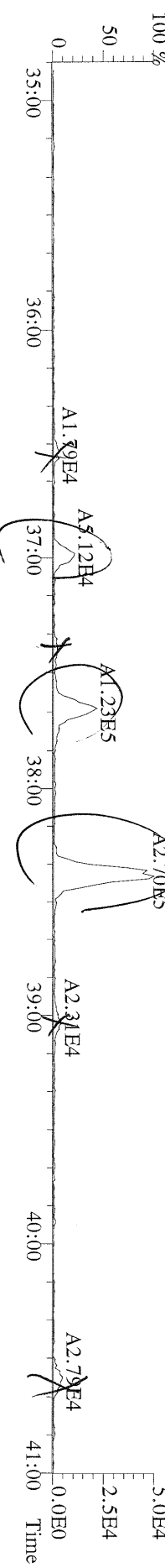
File:07APR11M #1-477 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



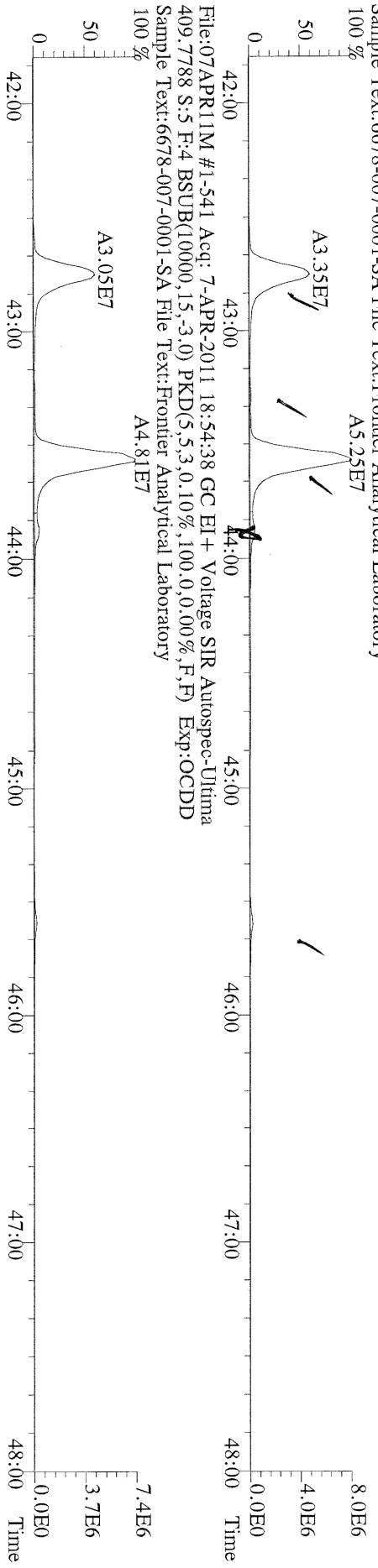
File:07APR11M #1-477 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



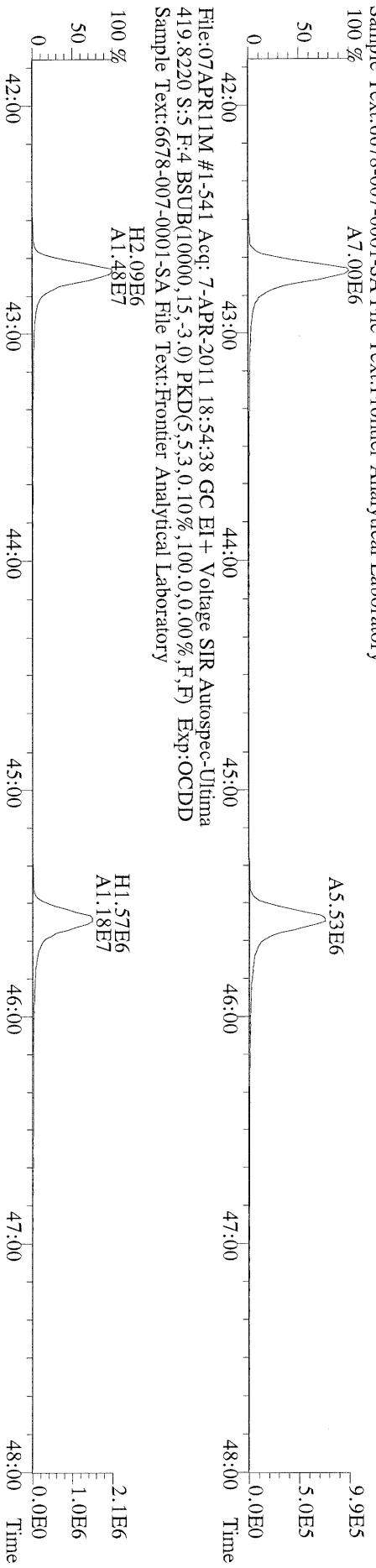
File:07APR11M #1-477 Acq: 7-APR-2011 18:54:38 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
 Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



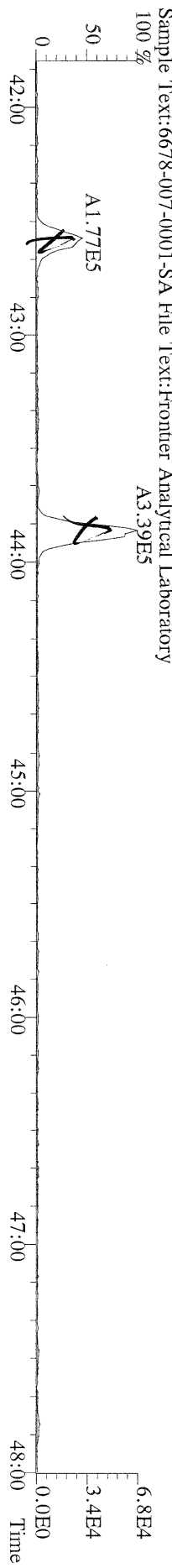
File:07APR11M #1-541 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



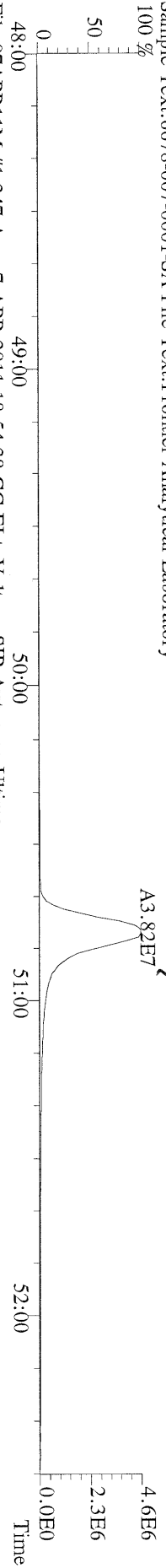
File:07APR11M #1-541 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



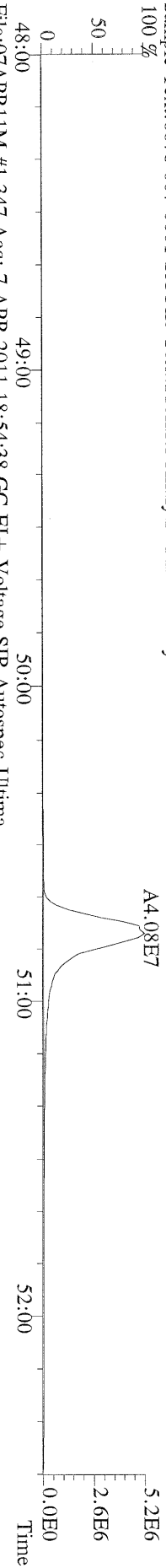
File:07APR11M #1-541 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



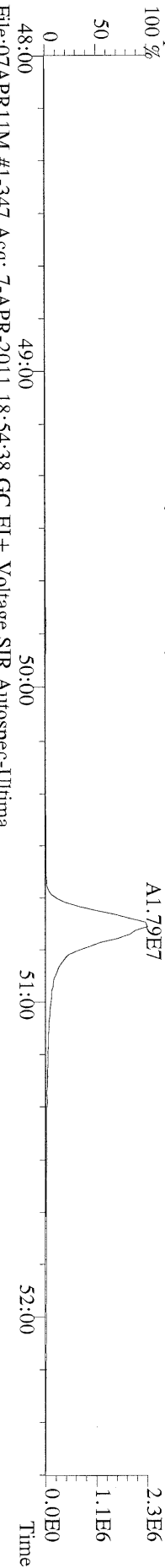
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



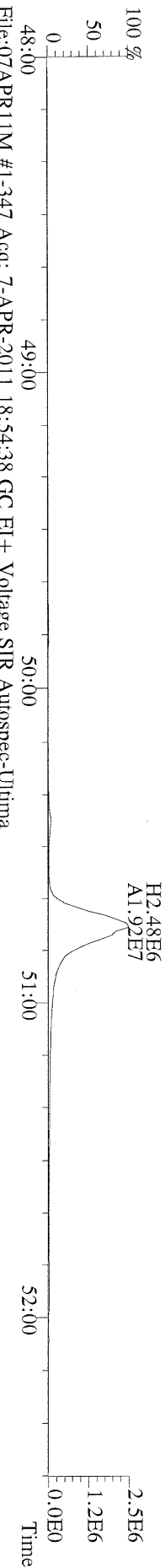
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



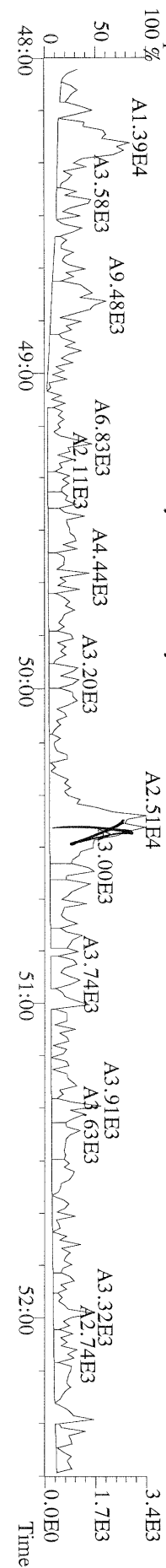
File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory




File:07APR11M #1-347 Acq: 7-APR-2011 18:54:38 GC EI + Voltage SIR Autospec-Ultima
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:OCDD
Sample Text:6678-007-0001-SA File Text:Frontier Analytical Laboratory



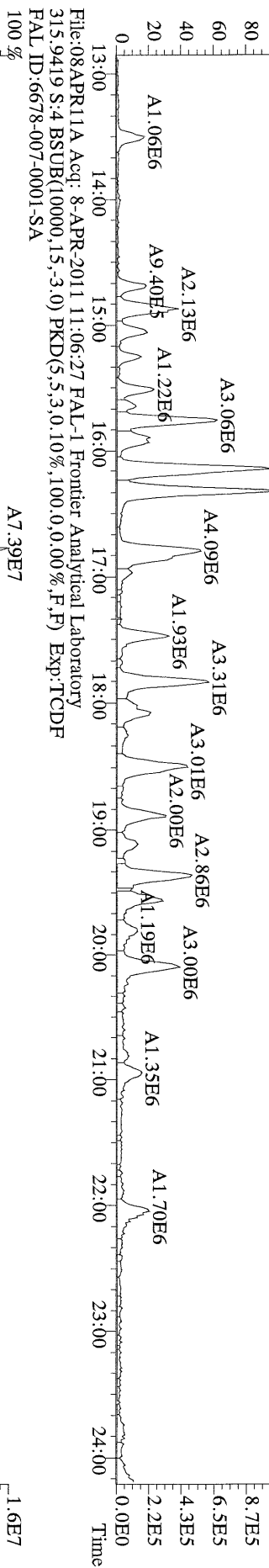
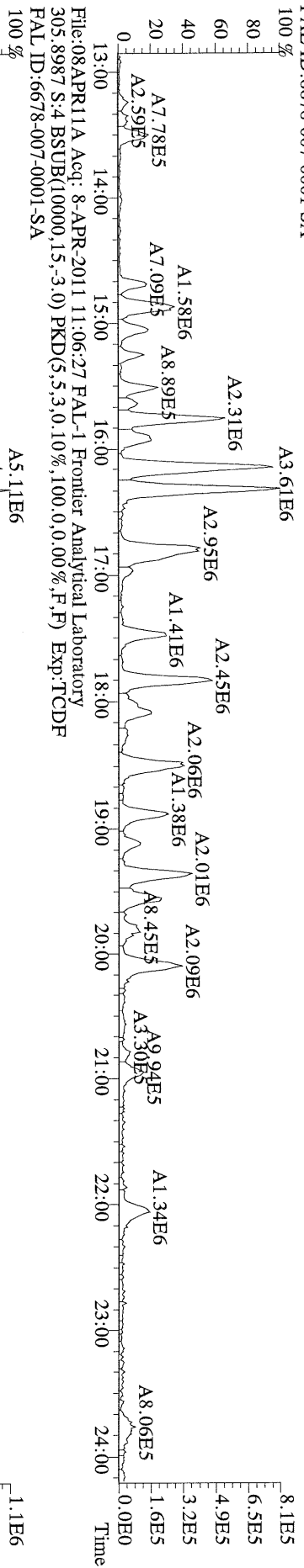
FAL ID: 6678-007-0001-SA Filename: 08APR11A Sam:4 Acquired: 8-APR-11 11:06:27 ICal: tcdffal1-2-18-11
Client ID: LL-SED2-0-56-031511-D ConCal: ST040811A1 EndCal: ST040811A2
Results: 6678TCDF GC Column: DB225 Amount: 3.830

Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise	DL	#Hom
2,3,7,8-TCDF	4.88e+06	0.70 y	19:22	1.16	14.6		2.50	-	-	1
13C-2,3,7,8-TCDF	1.51e+08	0.80 y	19:21	1.05	447					Rec
13C-1,2,3,4-TCDF	1.68e+08	0.79 y	16:46	-	24.8					85.6

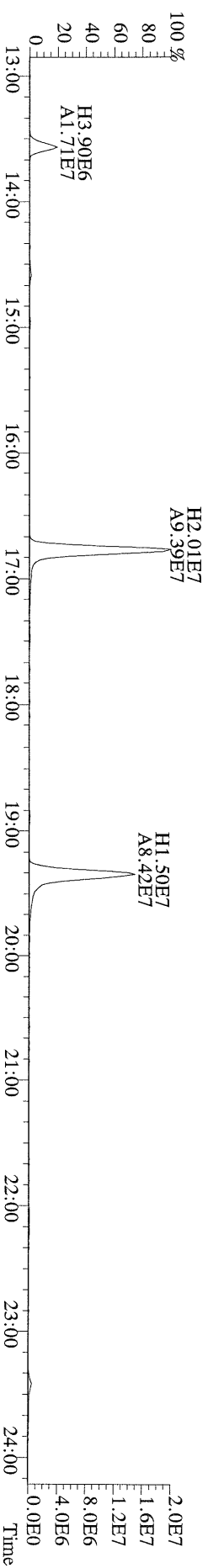
Analyst: 

Date: 4/8/11

File:08APR11A Acq: 8-APR-2011 11:06:27 PAL-1 Frontier Analytical Laboratory
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp.:TCDF
PAL ID:6678-007-0001-SA



File:08APR11A Acq: 8-APR-2011 11:06:27 PAL-1 Frontier Analytical Laboratory
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp.:TCDF
PAL ID:6678-007-0001-SA



Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	9.77e+04	0.83 y	27:36	1.13	1.48		2.50	-	-	*	
1,2,3,7,8-PeCDD	1.49e+05	1.42 y	33:29	1.02	2.46	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDD	4.52e+05	1.22 y	38:51	1.45	6.53		2.50	-	-	*	
1,2,3,6,7,8-HxCDD	1.48e+06	1.29 y	39:01	1.45	22.9		2.50	-	-	*	
1,2,3,7,8,9-HxCDD	9.10e+05	1.27 y	39:28	1.47	13.4		2.50	-	-	*	
1,2,3,4,6,7,8-HpCDD	4.09e+07	0.91 y	44:28	1.30	728		2.50	-	-	*	
OCDD	3.38e+08	0.90 y	50:07	1.45	7540		2.50	-	-	*	
2,3,7,8-TCDF	2.02e+05	0.78 y	26:50	1.15	1.73		2.50	-	-	*	
1,2,3,7,8-PeCDF	1.15e+05	1.54 y	31:45	0.89	1.39	J	2.50	-	-	*	
2,3,4,7,8-PeCDF	1.35e+05	1.60 y	33:03	0.89	1.64	J	2.50	-	-	*	
1,2,3,4,7,8-HxCDF	8.87e+05	1.23 y	37:28	1.01	11.6		2.50	-	-	*	
1,2,3,6,7,8-HxCDF	5.90e+05	1.18 y	37:39	0.89	6.48		2.50	-	-	*	
2,3,4,6,7,8-HxCDF	6.14e+05	1.11 y	38:37	1.02	7.58		2.50	-	-	*	
1,2,3,7,8,9-HxCDF	1.28e+05	1.32 y	40:06	1.10	1.29	J	2.50	-	-	*	
1,2,3,4,6,7,8-HpCDF	1.25e+07	1.07 y	42:34	1.48	176		2.50	-	-	*	
1,2,3,4,7,8,9-HpCDF	5.77e+05	1.00 y	45:23	1.43	8.56		2.50	-	-	*	
OCDF	2.48e+07	0.90 y	50:30	0.84	516		2.50	-	-	*	
13C-2,3,7,8-TCDD	2.32e+07	0.74 y	27:35	1.03	327					82.0	
13C-1,2,3,7,8-PeCDD	2.38e+07	1.77 y	33:27	1.01	342					85.7	
13C-1,2,3,4,7,8-HxCDD	1.90e+07	1.27 y	38:50	1.19	283					71.1	
13C-1,2,3,6,7,8-HxCDD	1.77e+07	1.36 y	38:60	0.94	334					83.9	
13C-1,2,3,4,6,7,8-HpCDD	1.72e+07	1.01 y	44:28	0.83	368					92.5	
13C-OCDD	2.47e+07	0.94 y	50:06	0.61	720					90.4	
13C-2,3,7,8-TCDF	4.05e+07	0.86 y	26:50	0.98	338					84.8	
13C-1,2,3,7,8-PeCDF	3.73e+07	1.66 y	31:43	0.83	368					92.4	
13C-2,3,4,7,8-PeCDF	3.66e+07	1.65 y	33:02	0.80	372					93.4	
13C-1,2,3,4,7,8-HxCDF	3.03e+07	0.48 y	37:26	1.84	292					73.2	
13C-1,2,3,6,7,8-HxCDF	4.07e+07	0.48 y	37:39	2.29	315					79.0	
13C-2,3,4,6,7,8-HxCDF	3.18e+07	0.48 y	38:35	1.86	302					75.8	
13C-1,2,3,7,8,9-HxCDF	3.58e+07	0.48 y	40:02	1.98	320					80.3	
13C-1,2,3,4,6,7,8-HpCDF	1.91e+07	0.47 y	42:33	0.99	342					85.9	
13C-1,2,3,4,7,8,9-HpCDF	1.88e+07	0.47 y	45:23	0.77	435					109	
13C-OCDF	4.54e+07	0.92 y	50:29	1.17	690					86.6	
37Cl-2,3,7,8-TCDD	7.04e+06		27:36	0.73	140					88.0	
13C-1,2,3,4-TCDD	2.74e+07	0.73 y	27:00	-	14.4						
13C-1,2,3,4-TCDF	4.87e+07	0.87 y	25:44	-	13.5						
13C-1,2,3,7,8,9-HxCDD	2.25e+07	1.32 y	39:27	-	18.1						
Total Tetra-Dioxins	9.66e+05		24:34	1.13	14.7		2.50	-	-	*	11
Total Penta-Dioxins	3.55e+06		30:26	1.02	58.6		2.50	-	-	*	9
Total Hexa-Dioxins	1.59e+07		36:23	1.46	237		2.50	-	-	*	7
Total Hepta-Dioxins	8.81e+07		43:05	1.30	1570		2.50	-	-	*	2
Total Tetra-Furans	4.07e+06		23:12	1.15	34.9		2.50	-	-	*	21
1st Fn. Tot Penta-Furans	2.28e+06		28:39	0.89	27.7	D,M	2.50	-	-	*	PeCDF 1
Total Penta-Furans	2.95e+06		30:19	0.89	35.7	D,M	2.50	-	-	*	63.4 / 13
Total Hexa-Furans	1.62e+07		35:31	1.00	187	D,M	2.50	-	-	*	11
Total Hepta-Furans	3.54e+07		42:34	1.46	508		2.50	-	-	*	4

Analyst: 

Date: 4/8/11

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 12

File: 07APR11M

S: 4 I: 1 F: 1

Acquired: 7-APR-11 17:59:16

Total Concentration: 14.7

Unnamed Concentration: 13.182

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:34	9.43e+04	1.18e+05	0.80 y	2.12e+05	3.22	
24:51	7.88e+04	1.00e+05	0.78 y	1.79e+05	2.72	
25:10	6.87e+04	8.47e+04	0.81 y	1.53e+05	2.33	
25:47	2.03e+04	2.58e+04	0.79 y	4.61e+04	0.699	
25:58	2.83e+04	3.24e+04	0.87 y	6.07e+04	0.922	
26:09	4.15e+04	5.03e+04	0.82 y	9.19e+04	1.39	
26:17	1.03e+04	1.20e+04	0.86 y	2.23e+04	0.339	
26:31	1.32e+04	1.67e+04	0.79 y	2.99e+04	0.454	
26:41	1.45e+04	1.78e+04	0.81 y	3.23e+04	0.490	
26:59	1.63e+04	2.46e+04	0.66 y	4.10e+04	0.621	
27:36	4.44e+04	5.33e+04	0.83 y	9.77e+04	1.48	2,3,7,8-TCDD

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 12

File: 07APR11M

S: 4 I: 1 F: 2

Acquired: 7-APR-11 17:59:16

Total Concentration: 58.6

Unnamed Concentration: 56.183

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:26	1.39e+06	9.08e+05	1.53 y	2.30e+06	37.9	
31:05	1.04e+05	7.60e+04	1.37 y	1.81e+05	2.98	
31:43	1.21e+05	7.78e+04	1.56 y	1.99e+05	3.29	
31:57	1.85e+05	1.23e+05	1.50 y	3.08e+05	5.09	
32:05	8.74e+04	5.82e+04	1.50 y	1.46e+05	2.40	
32:22	1.05e+05	6.92e+04	1.52 y	1.74e+05	2.87	
32:52	2.54e+04	1.70e+04	1.49 y	4.25e+04	0.701	
33:29	8.76e+04	6.15e+04	1.42 y	1.49e+05	2.46	1,2,3,7,8-PeCDD
33:33	3.45e+04	2.50e+04	1.38 y	5.96e+04	0.983	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 12

File: 07APR11M

S: 4 I: 1 F: 3

Acquired: 7-APR-11 17:59:16

Total Concentration: 237

Unnamed Concentration: 194.399

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:23	4.17e+06	3.22e+06	1.29 y	7.39e+06	110	
37:18	3.39e+05	2.67e+05	1.27 y	6.06e+05	9.02	
37:45	2.78e+06	2.12e+06	1.31 y	4.90e+06	72.9	
38:51	2.48e+05	2.03e+05	1.22 y	4.52e+05	6.53	1,2,3,4,7,8-HxCDD
39:01	8.31e+05	6.45e+05	1.29 y	1.48e+06	22.9	1,2,3,6,7,8-HxCDD
39:19	8.85e+04	6.80e+04	1.30 y	1.56e+05	2.33	
39:28	5.09e+05	4.01e+05	1.27 y	9.10e+05	13.4	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins Entry #: 41

Run: 12 File: 07APR11M S: 4 I: 1 F: 4
Acquired: 7-APR-11 17:59:16

Total Concentration: 1570 Unnamed Concentration: 840.709

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:05	2.27e+07	2.45e+07	0.93 y	4.72e+07	841	
44:28	1.95e+07	2.14e+07	0.91 y	4.09e+07	728	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 12

File: 07APR11M

S: 4 I: 1 F: 1

Acquired: 7-APR-11 17:59:16

Total Concentration: 34.9

Unnamed Concentration: 33.156

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:12	4.97e+04	6.83e+04	0.73 y	1.18e+05	1.01	
23:34	6.46e+04	9.54e+04	0.68 y	1.60e+05	1.37	
23:59	2.22e+05	3.21e+05	0.69 y	5.43e+05	4.66	
24:21	1.37e+05	1.92e+05	0.71 y	3.28e+05	2.82	
24:36	1.87e+05	2.66e+05	0.70 y	4.53e+05	3.88	
24:54	1.22e+05	1.77e+05	0.69 y	3.00e+05	2.57	
25:01	4.24e+04	6.08e+04	0.70 y	1.03e+05	0.885	
25:08	5.84e+04	7.89e+04	0.74 y	1.37e+05	1.18	
25:32	4.57e+04	6.76e+04	0.68 y	1.13e+05	0.972	
25:37	1.23e+05	1.82e+05	0.68 y	3.05e+05	2.61	
25:44	1.08e+05	1.53e+05	0.71 y	2.61e+05	2.24	
25:58	2.95e+04	4.35e+04	0.68 y	7.30e+04	0.626	
26:07	5.90e+04	8.20e+04	0.72 y	1.41e+05	1.21	
26:20	3.19e+04	4.32e+04	0.74 y	7.50e+04	0.643	
26:29	2.32e+04	2.68e+04	0.87 y	5.00e+04	0.428	
26:46	6.91e+04	8.63e+04	0.80 y	1.55e+05	1.33	
26:50	8.85e+04	1.13e+05	0.78 y	2.02e+05	1.73	2,3,7,8-TCDF
27:10	9.38e+04	1.20e+05	0.78 y	2.14e+05	1.83	
28:04	5.87e+04	7.70e+04	0.76 y	1.36e+05	1.16	
28:16	4.26e+04	5.64e+04	0.75 y	9.90e+04	0.848	
28:41	4.31e+04	5.92e+04	0.73 y	1.02e+05	0.877	

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

Run: 12 File: 07APR11M S: 4 I: 1 F: 1
Acquired: 7-APR-11 17:59:16

Total Concentration: 27.7 Unnamed Concentration: 27.678

RT	ml Resp	m2 Resp RA	Resp	Concentration	Name
28:39	1.36e+06	9.22e+05	1.48 y	2.28e+06	27.7

Totals class: Total Penta-Furans

Entry #: 44

Run: 12

File: 07APR11M

S: 4 I: 1 F: 2

Acquired: 7-APR-11 17:59:16

Total Concentration: 35.7

Unnamed Concentration: 32.697

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:19	1.09e+05	7.86e+04	1.39 y	1.88e+05	2.27	
30:28	7.81e+05	4.75e+05	1.65 y	1.26e+06	15.2	
30:57	5.48e+04	3.65e+04	1.50 y	9.13e+04	1.11	
31:10	2.77e+05	1.79e+05	1.55 y	4.55e+05	5.52	
31:28	5.32e+04	3.22e+04	1.65 y	8.54e+04	1.04	
31:45	6.99e+04	4.54e+04	1.54 y	1.15e+05	1.39	1,2,3,7,8-PeCDF
31:58	6.36e+04	4.83e+04	1.32 y	1.12e+05	1.36	
32:05	9.01e+04	5.42e+04	1.66 y	1.44e+05	1.75	
32:18	2.23e+04	1.54e+04	1.44 y	3.78e+04	0.458	
32:55	3.42e+04	2.24e+04	1.53 y	5.67e+04	0.687	
33:03	8.29e+04	5.19e+04	1.60 y	1.35e+05	1.64	2,3,4,7,8-PeCDF
33:05	1.37e+05	9.02e+04	1.52 y	2.28e+05	2.76	
34:20	2.61e+04	1.85e+04	1.41 y	4.46e+04	0.540	