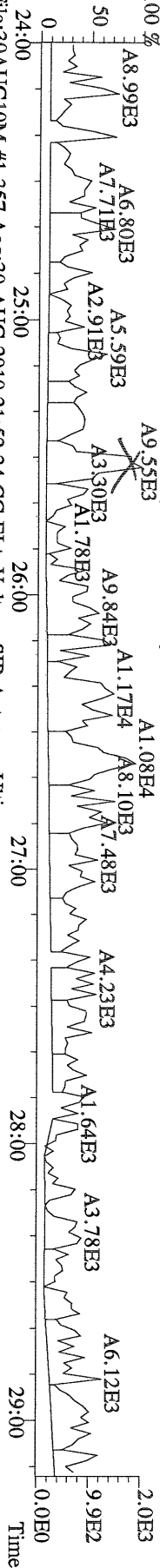
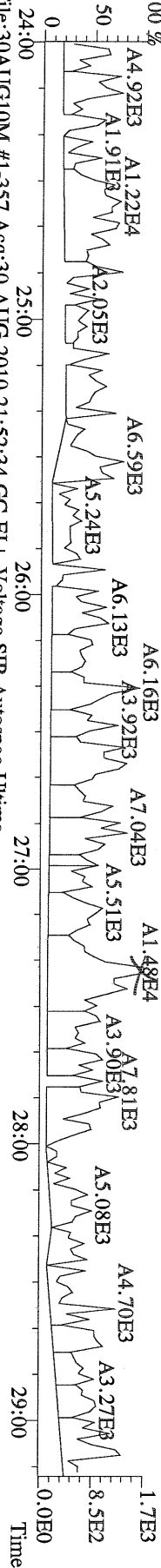


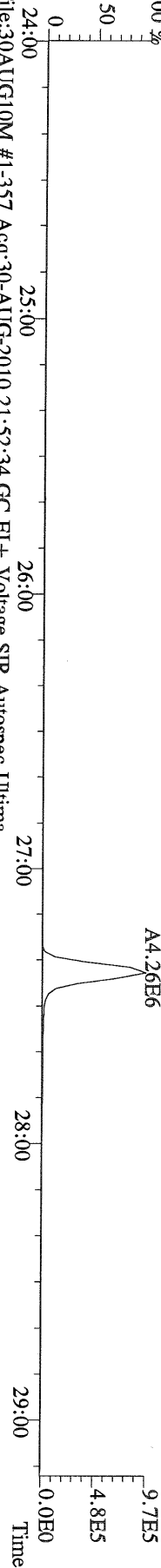
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 319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



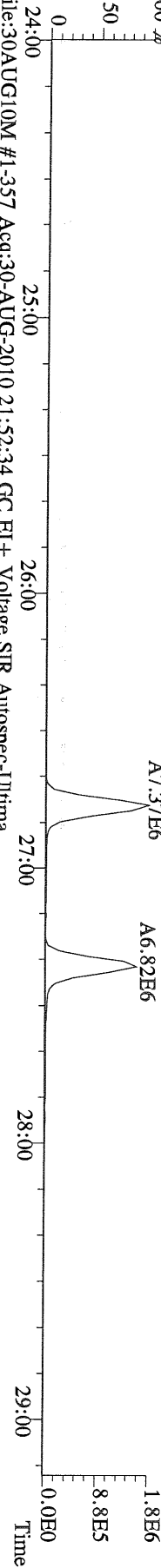
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 321.8936 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



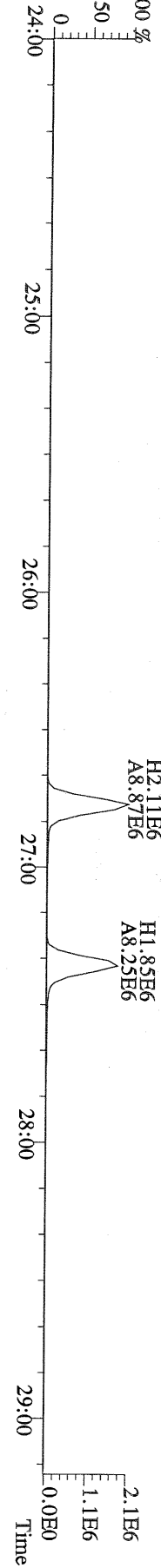
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 327.8847 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



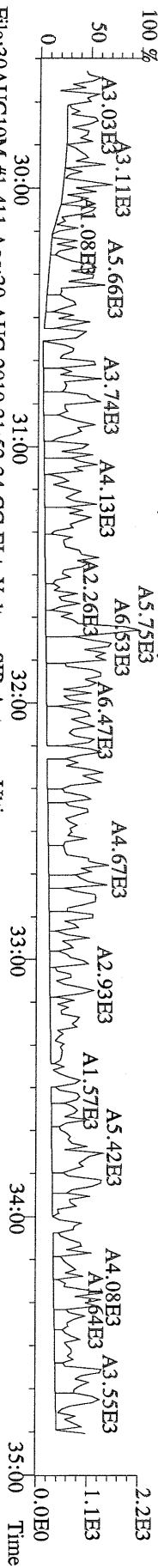
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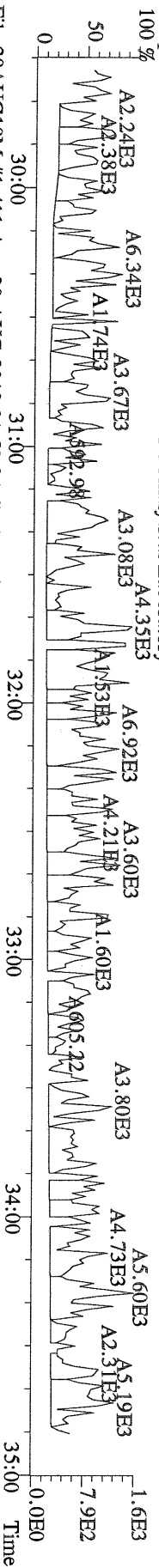
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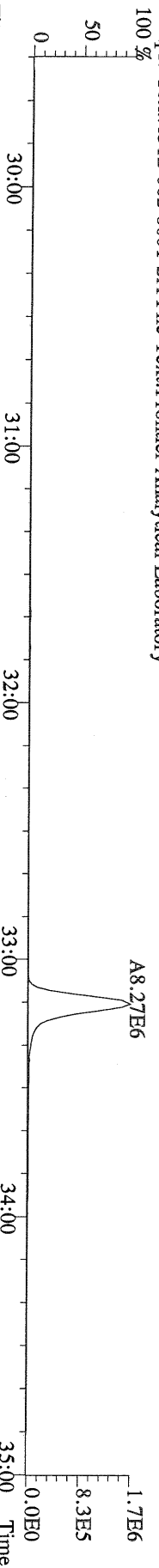
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 355.8546 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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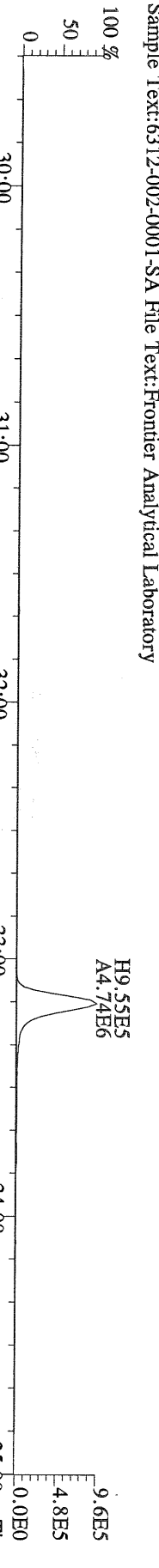
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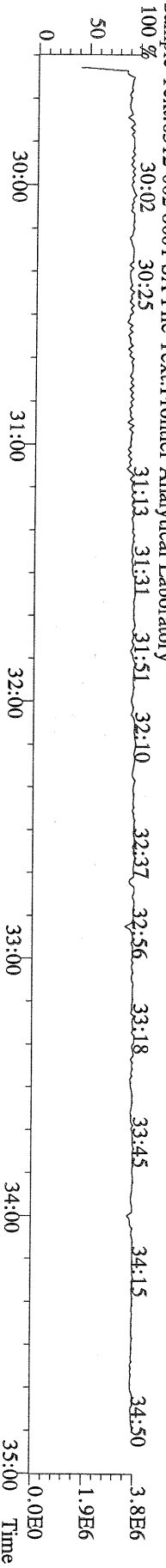
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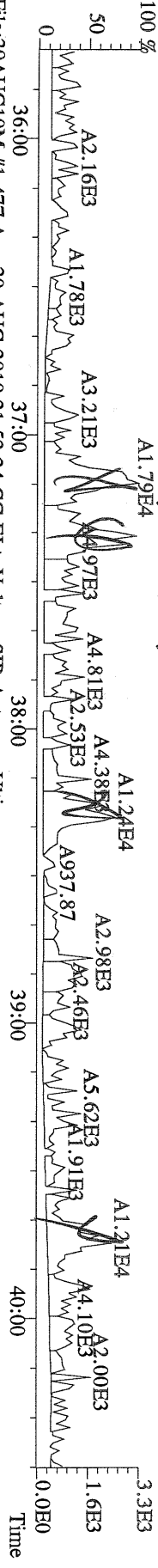
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 369.8919 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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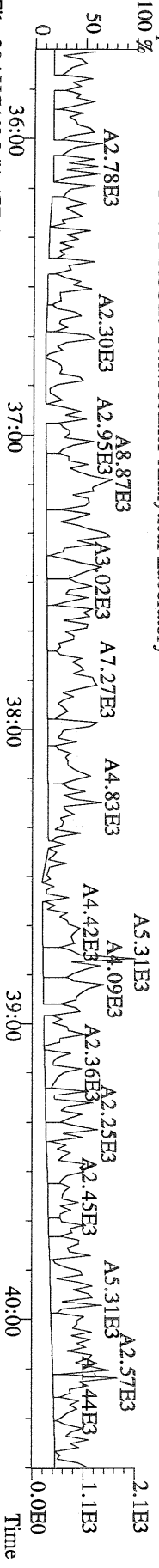
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



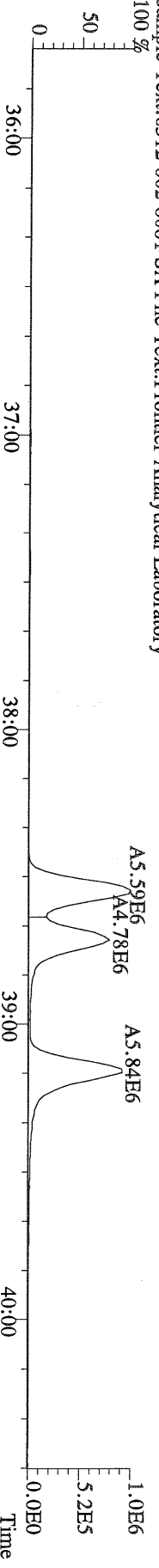
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 389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



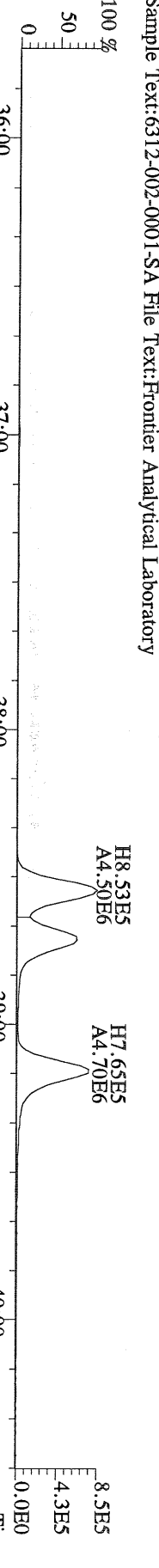
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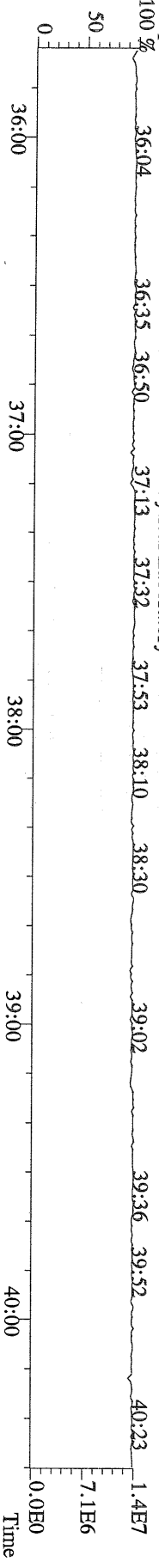
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 401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



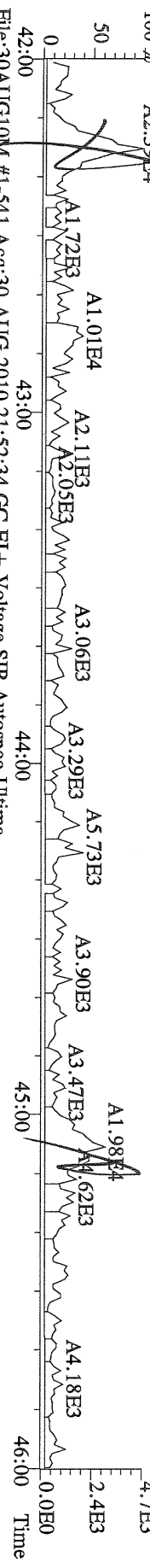
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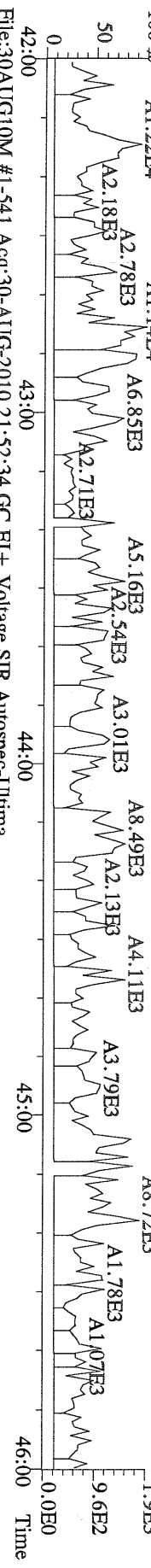
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



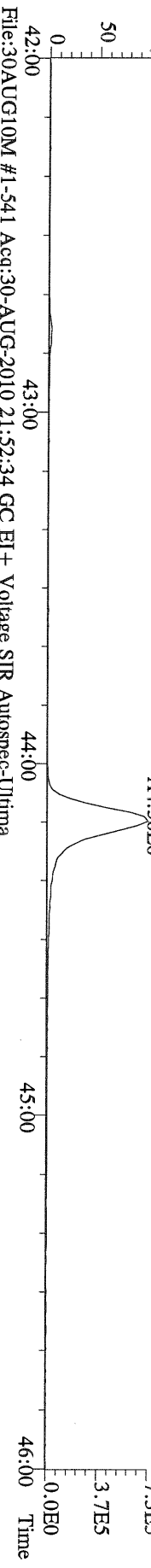
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423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



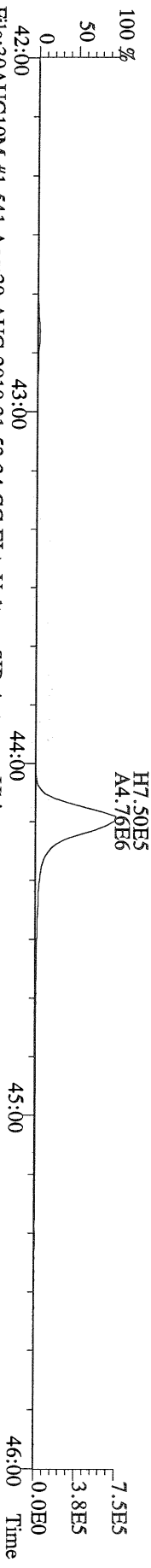
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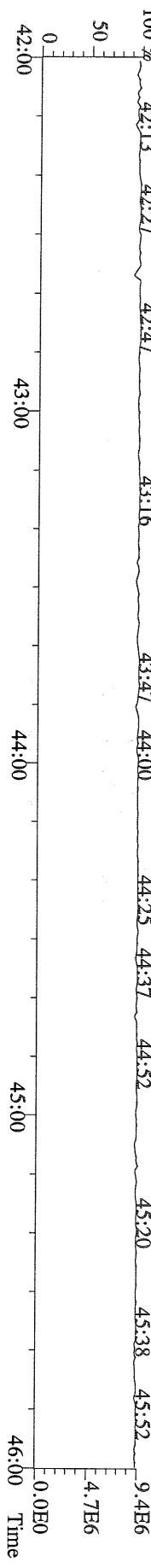
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



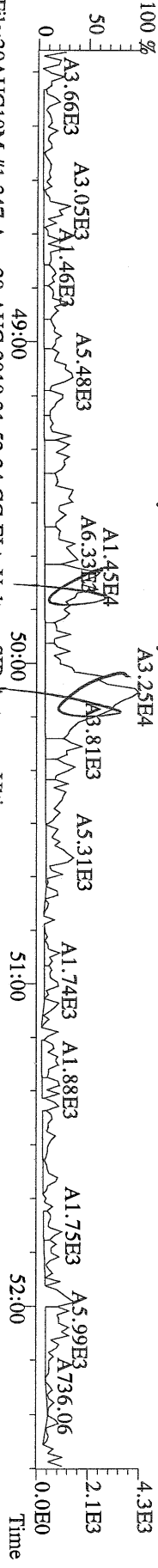
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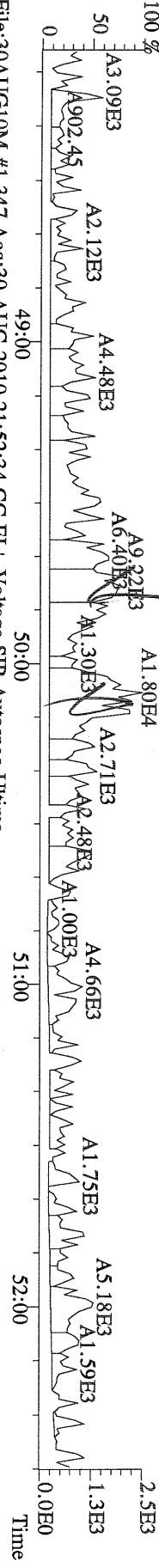
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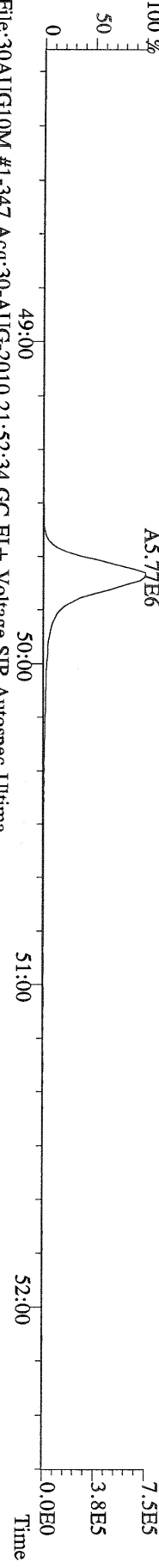
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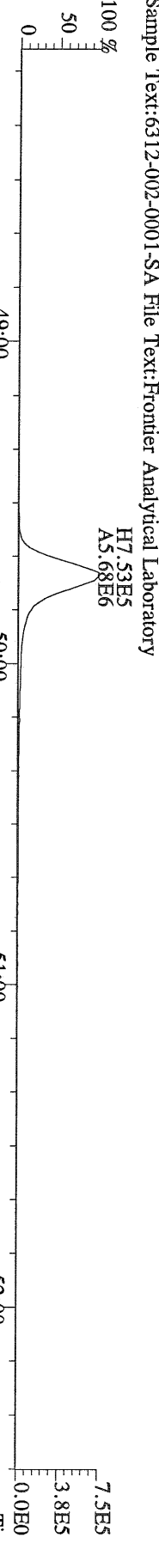
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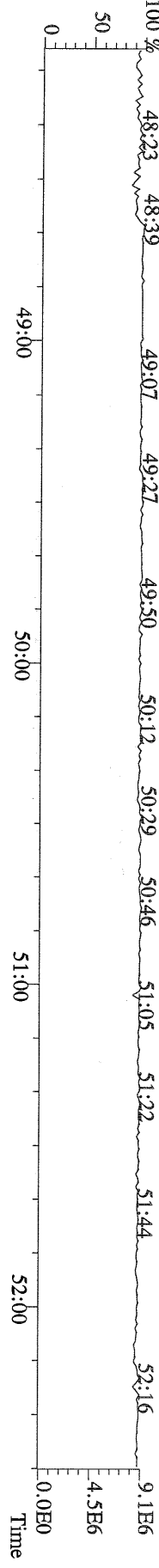
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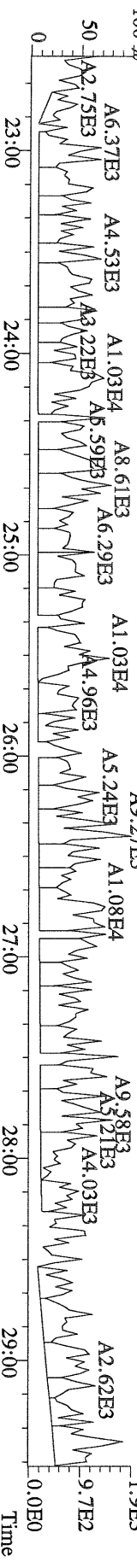
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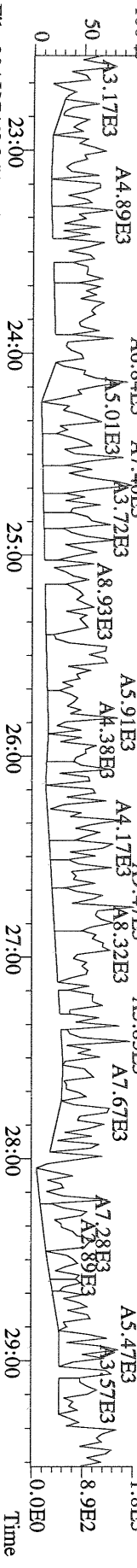
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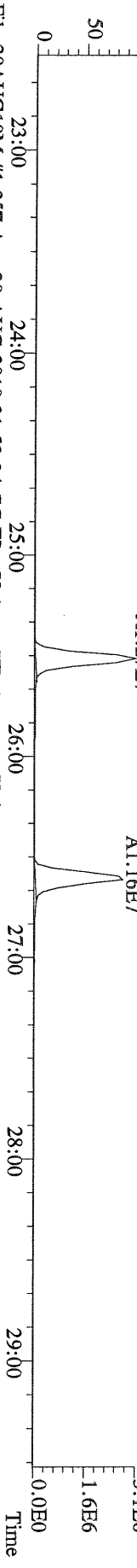
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303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



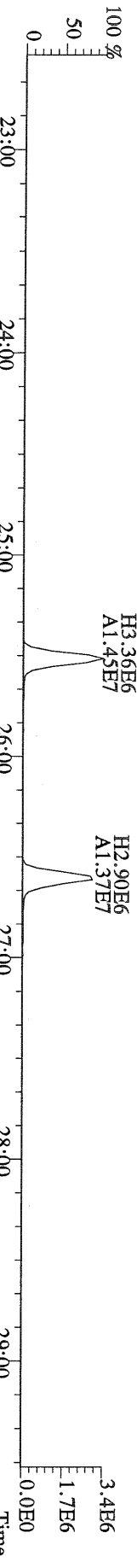
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305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



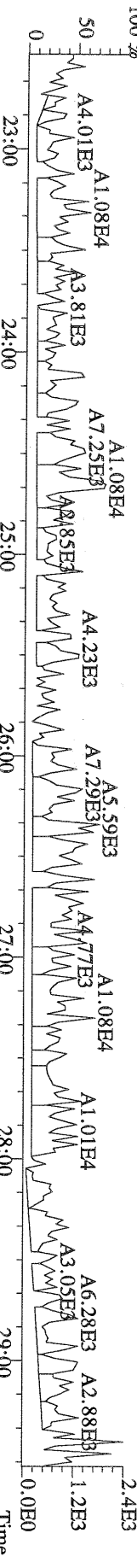
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



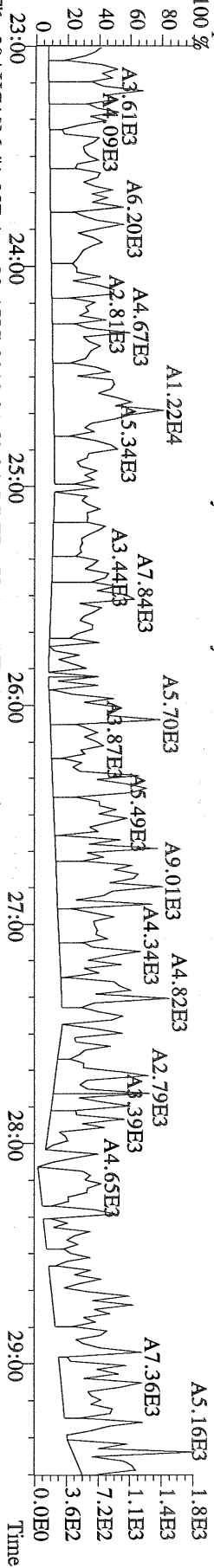
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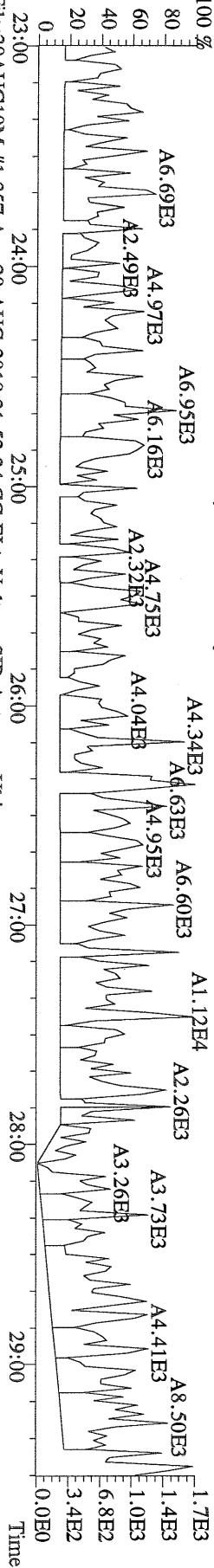
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



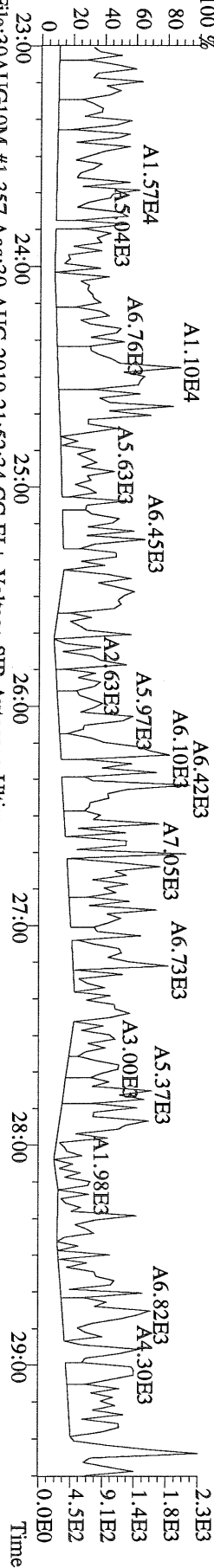
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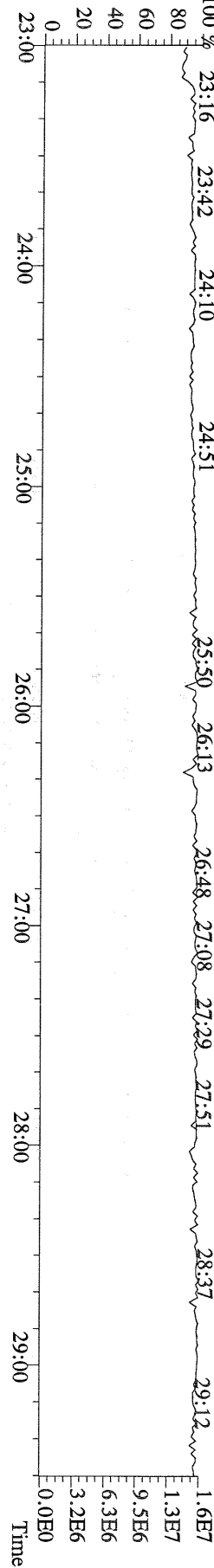
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



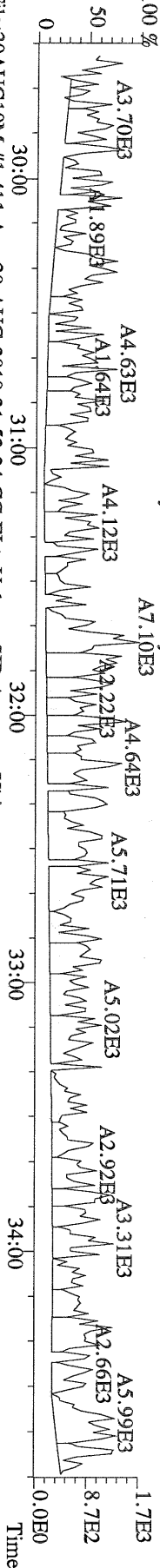
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 409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



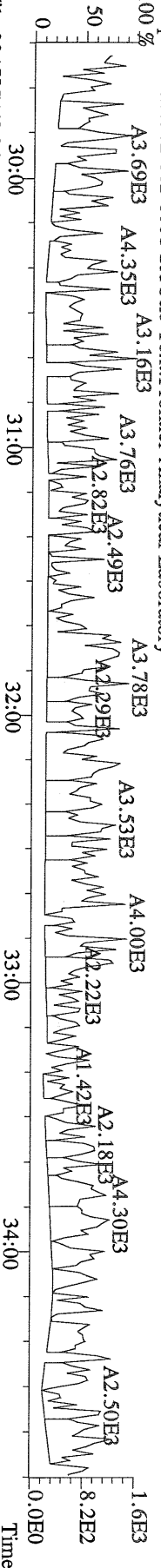
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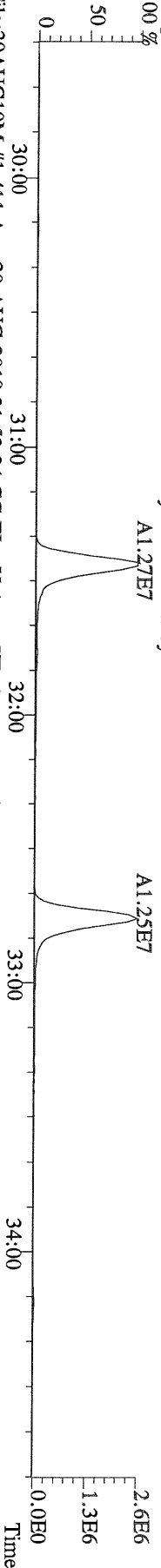
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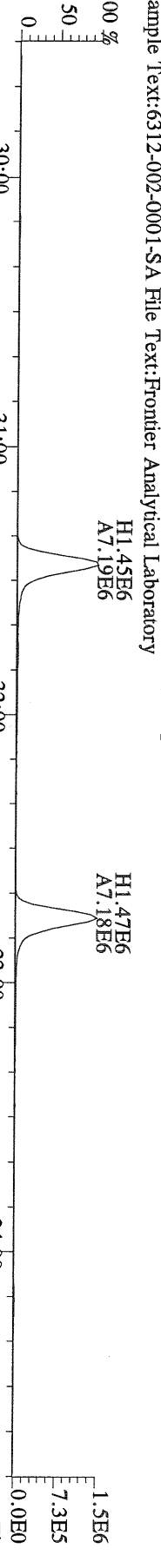
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



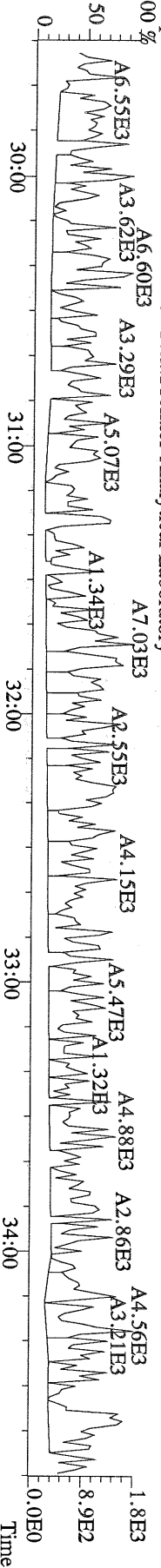
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 351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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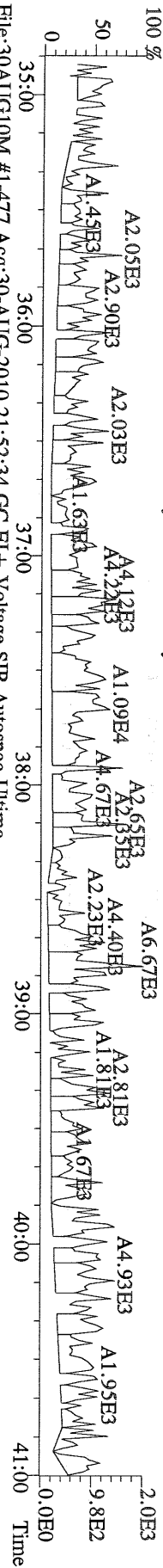
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



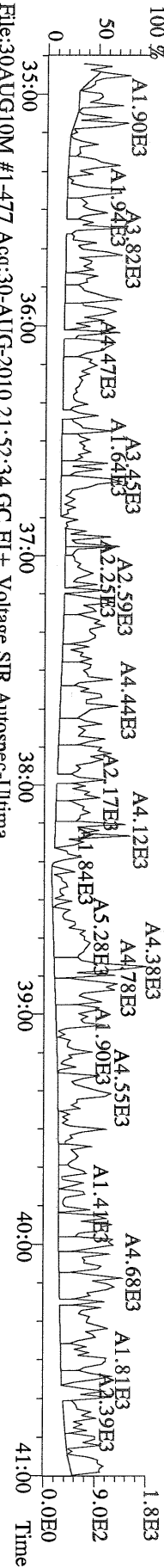
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 Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-477 Acq:30-AUG-2010 21:52:34 GC EI + Voltage SIR Autospec-Utima
373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



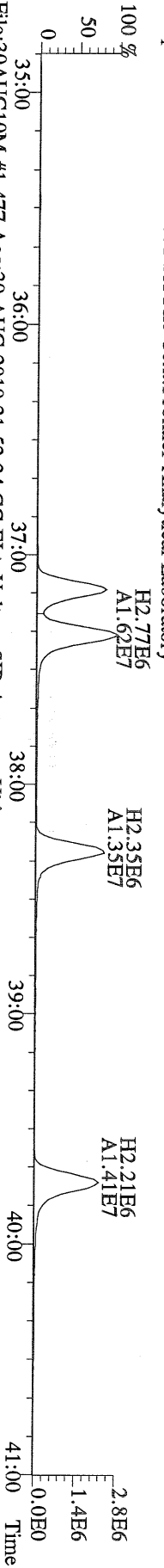
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375.8178 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



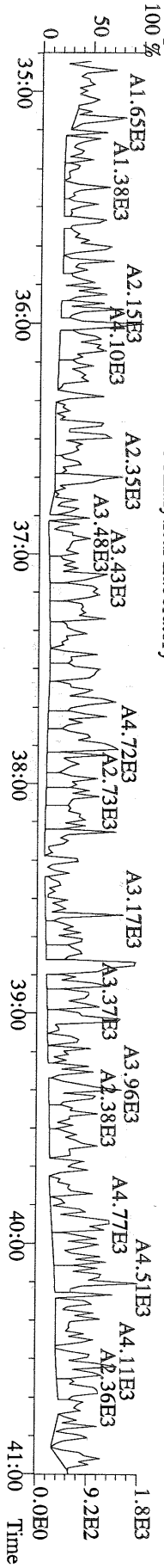
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383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



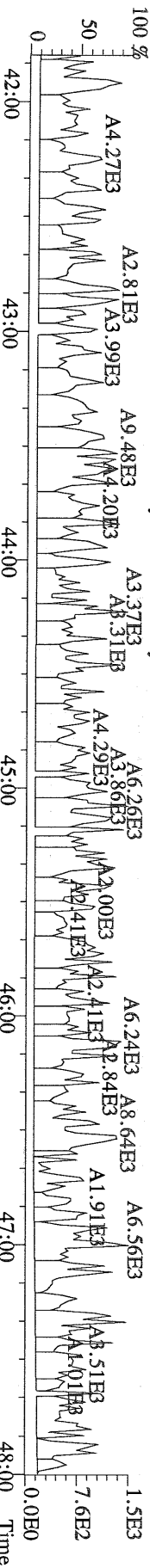
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



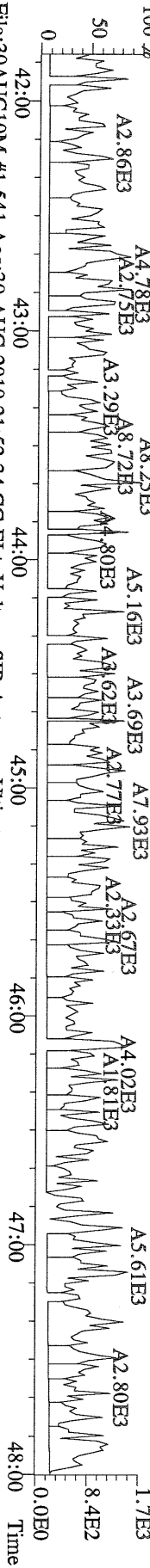
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445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



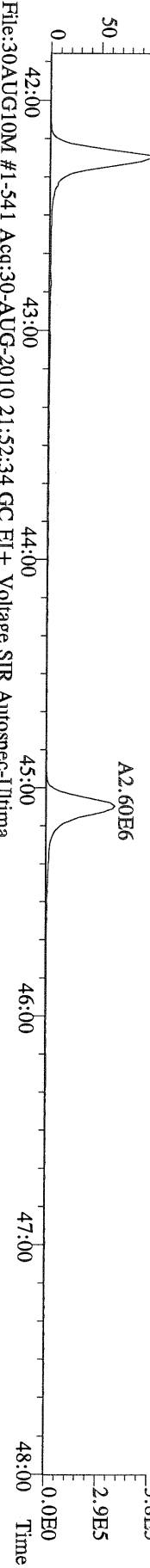
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407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



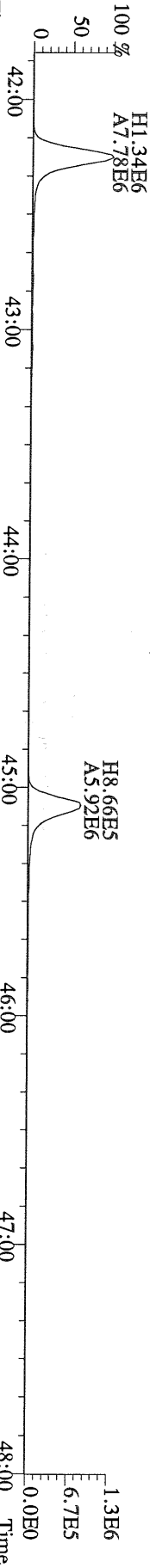
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409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
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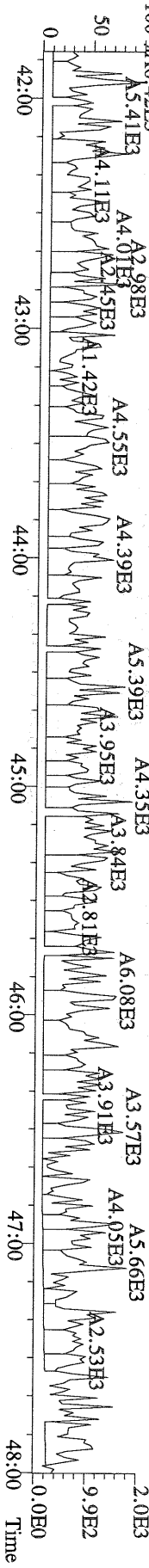
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417.8253 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
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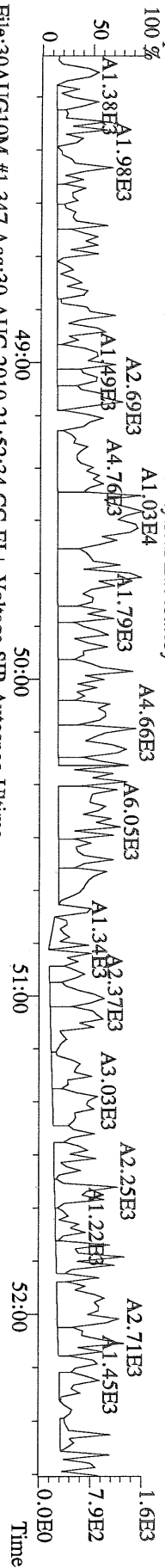
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



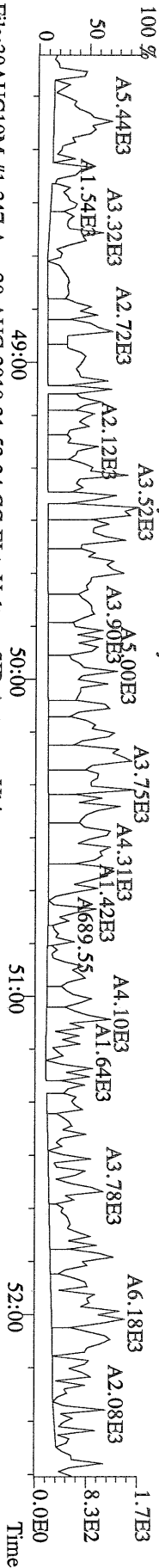
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479.7165 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



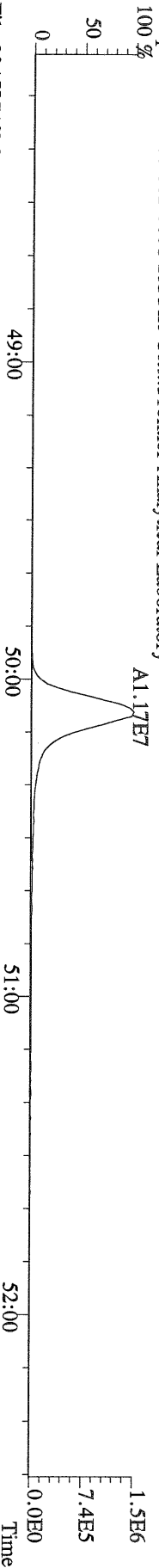
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441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0,0) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



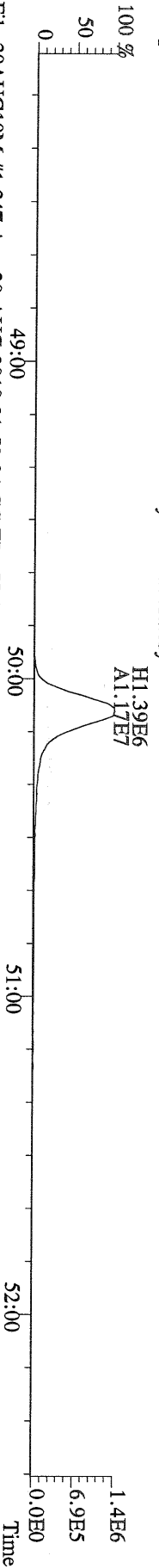
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Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



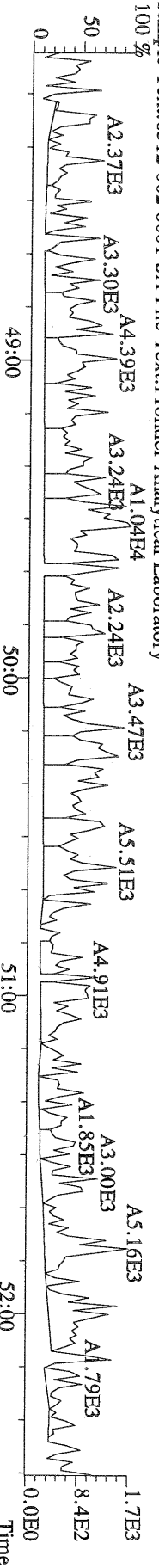
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453.7831 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 21:52:34 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 21:52:34 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0,0,0) Exp:PCDD
Sample Text:6312-002-0001-SA File Text:Frontier Analytical Laboratory



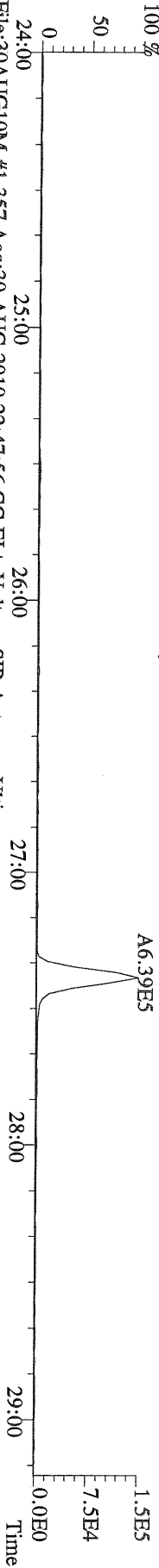
Results: 6312 GC Column: DB5 Amount: 0.4990/ NATO 1989 Tox: 3970 WHO 1998 Tox: 5000 WHO 2005 Tox: 4570

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	1.46e+06	0.78 y	27:23	1.11	386		2.50	-	*		
1,2,3,7,8-PeCDD	6.99e+06	1.50 y	33:12	1.10	2080		2.50	-	*		
1,2,3,4,7,8-HxCDD	6.23e+06	1.35 y	38:34	1.37	1940		2.50	-	*		
1,2,3,6,7,8-HxCDD	5.74e+06	1.35 y	38:44	1.37	2040		2.50	-	*		
1,2,3,7,8,9-HxCDD	6.47e+06	1.36 y	39:11	1.36	2170		2.50	-	*		
1,2,3,4,6,7,8-HpCDD	6.14e+06	0.93 y	44:11	1.45	1950		2.50	-	*		
OCDD	7.18e+06	1.01 y	49:45	1.43	3750		2.50	-	*		
2,3,7,8-TCDF	3.24e+06	0.67 y	26:39	1.50	364		2.50	-	*		
1,2,3,7,8-PeCDF	8.56e+06	1.57 y	31:28	0.94	1960		2.50	-	*		
2,3,4,7,8-PeCDF	8.44e+06	1.57 y	32:47	0.94	1970		2.50	-	*		
1,2,3,4,7,8-HxCDF	7.66e+06	1.25 y	37:11	0.93	1840		2.50	-	*		
1,2,3,6,7,8-HxCDF	8.74e+06	1.27 y	37:22	0.82	1860		2.50	-	*		
2,3,4,6,7,8-HxCDF	8.19e+06	1.24 y	38:19	0.92	1880		2.50	-	*		
1,2,3,7,8,9-HxCDF	9.48e+06	1.25 y	39:46	1.00	1880		2.50	-	*		
1,2,3,4,6,7,8-HpCDF	7.27e+06	1.06 y	42:17	1.39	2030		2.50	-	*		
1,2,3,4,7,8,9-HpCDF	5.37e+06	1.04 y	45:06	1.36	1990		2.50	-	*		
OCDF	7.97e+06	0.93 y	50:07	0.79	3690		2.50	-	*		
13C-2,3,7,8-TCDD	1.36e+07	0.85 y	27:22	1.02	3390					84.7	
13C-1,2,3,7,8-PeCDD	1.22e+07	1.72 y	33:10	0.84	3720					92.7	
13C-1,2,3,4,7,8-HxCDD	9.35e+06	1.24 y	38:33	1.07	3340					83.4	
13C-1,2,3,6,7,8-HxCDD	8.21e+06	1.23 y	38:43	1.01	3110					77.6	
13C-1,2,3,4,6,7,8-HpCDD	8.70e+06	0.98 y	44:10	0.86	3900					97.2	
13C-OCDD	1.07e+07	1.00 y	49:44	0.55	7510					93.7	
13C-2,3,7,8-TCDF	2.37e+07	0.86 y	26:37	0.99	3670					91.6	
13C-1,2,3,7,8-PeCDF	1.86e+07	1.73 y	31:27	0.84	3410					85.1	
13C-2,3,4,7,8-PeCDF	1.84e+07	1.72 y	32:46	0.81	3470					86.6	
13C-1,2,3,4,7,8-HxCDF	1.79e+07	0.51 y	37:09	1.85	3710					92.7	
13C-1,2,3,6,7,8-HxCDF	2.29e+07	0.51 y	37:22	2.54	3460					86.4	
13C-2,3,4,6,7,8-HxCDF	1.90e+07	0.51 y	38:18	2.01	3620					90.3	
13C-1,2,3,7,8,9-HxCDF	2.02e+07	0.51 y	39:44	2.03	3820					95.3	
13C-1,2,3,4,6,7,8-HpCDF	1.03e+07	0.46 y	42:15	1.11	3570					89.2	
13C-1,2,3,4,7,8,9-HpCDF	7.98e+06	0.45 y	45:06	0.80	3810					95.0	
13C-OCDF	2.20e+07	1.01 y	50:06	1.08	7800					97.3	
37Cl-2,3,7,8-TCDD	4.07e+06		27:23	0.69	1520					94.6	
13C-1,2,3,4-TCDD	1.57e+07	0.85 y	26:47	-	70.0						
13C-1,2,3,4-TCDF	2.61e+07	0.88 y	25:31	-	72.3						
13C-1,2,3,7,8,9-HxCDD	1.04e+07	1.26 y	39:09	-	76.0						
Total Tetra-Dioxins	1.76e+06		22:60	1.11	466		2.50	-	*		32
Total Penta-Dioxins	7.14e+06		30:30	1.10	2120		2.50	-	*		15
Total Hexa-Dioxins	1.86e+07		36:46	1.37	6220		2.50	-	*		19
Total Hepta-Dioxins	6.60e+06		41:13	1.45	2100		2.50	-	*		34
Total Tetra-Furans	3.40e+06		23:08	1.50	382		2.50	-	*		13
1st Fn. Tot Penta-Furans	2.67e+05		23:07	0.94	61.8		2.50	-	*	PeCDF	31
Total Penta-Furans	1.75e+07		30:12	0.94	4040		2.50	-	*	4110	16
Total Hexa-Furans	3.43e+07		35:13	0.91	7530		2.50	-	*		20
Total Hepta-Furans	1.30e+07		41:09	1.38	4120		2.50	-	*		23

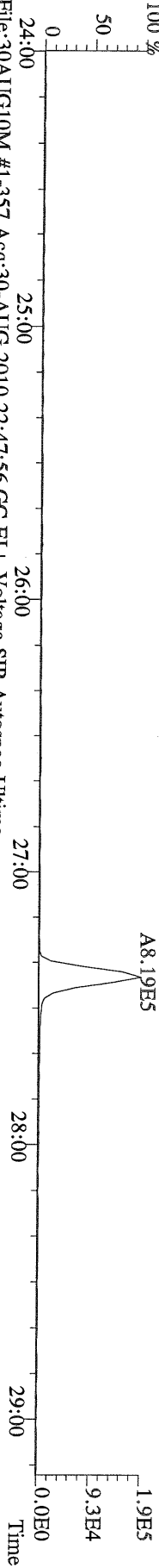
Analyst: 

Date: 8/31/10

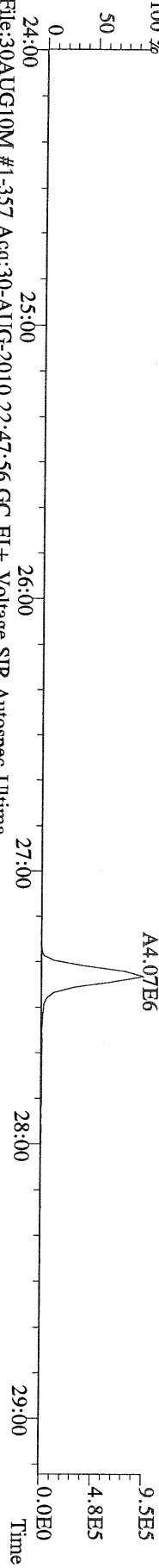
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319.8965 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



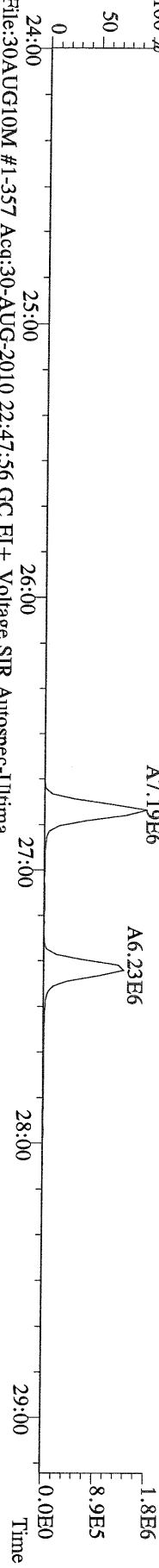
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321.8936 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



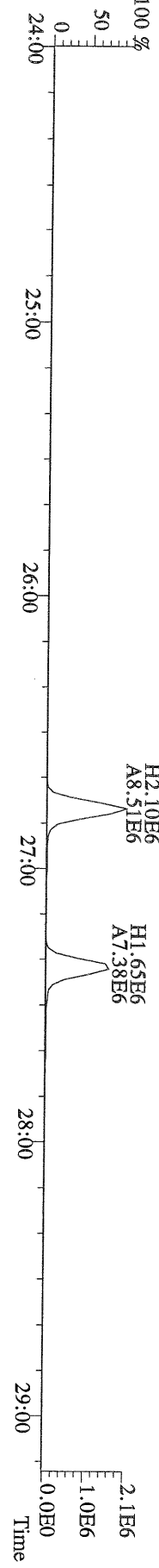
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327.8847 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



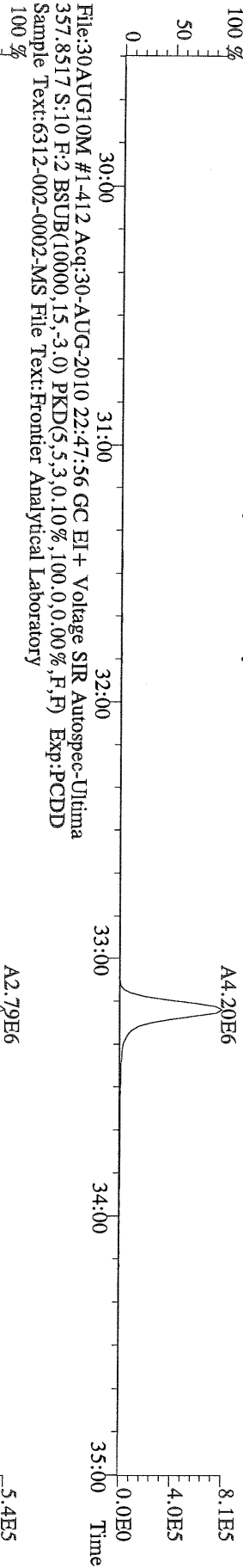
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331.9368 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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100 %



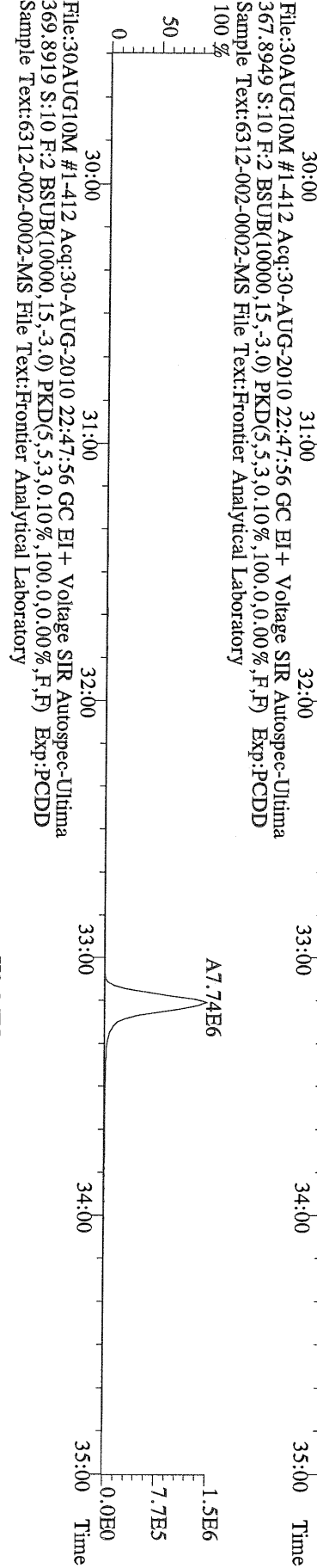
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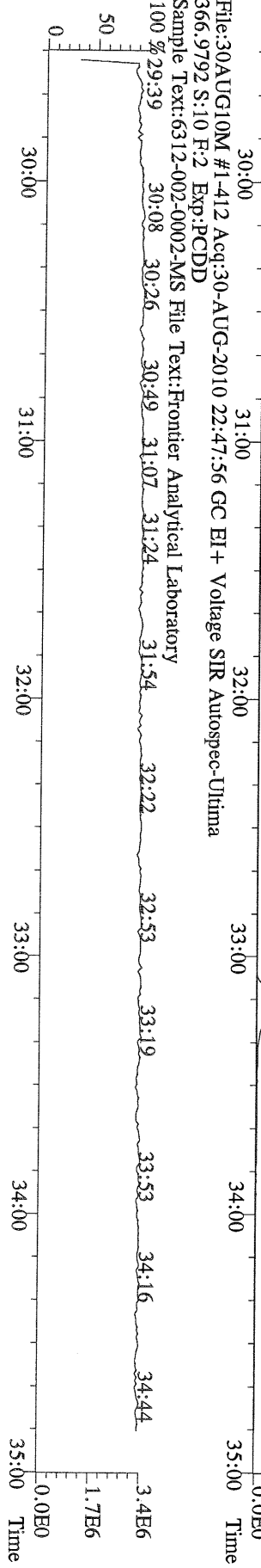
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355.8546 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



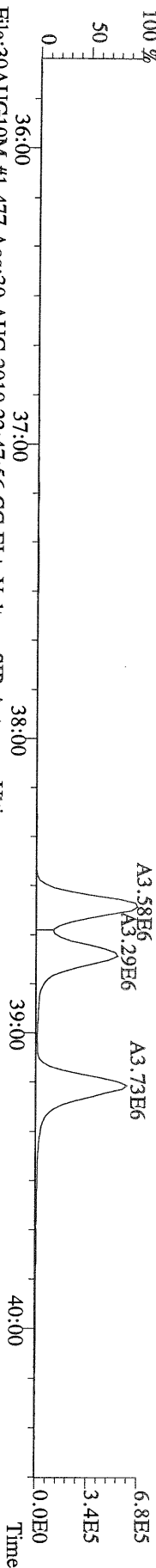
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100 %



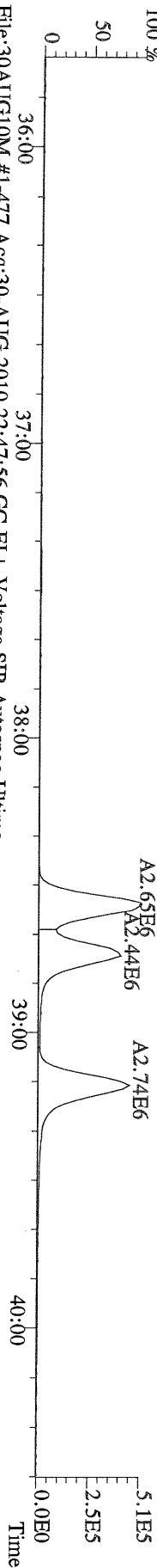
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366.9792 S:10 F:2 Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



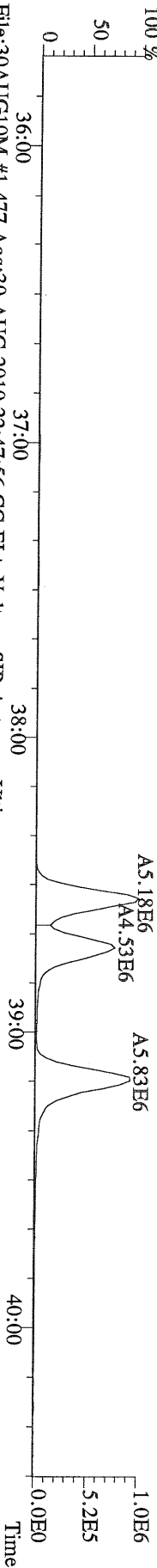
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389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



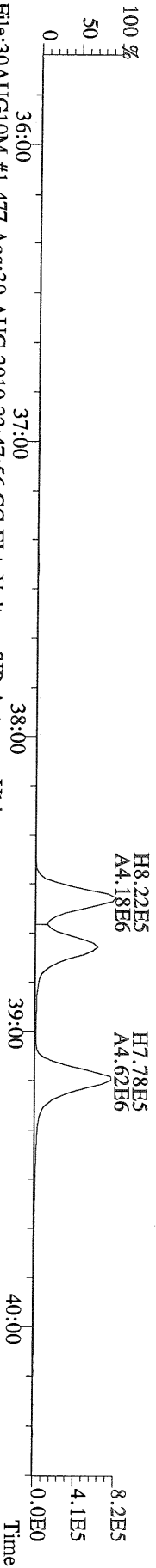
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391.8127 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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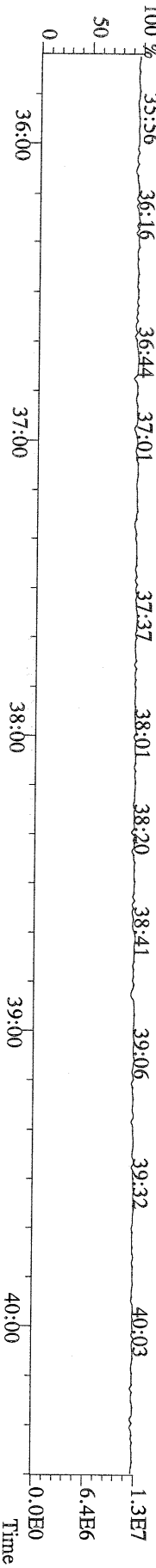
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401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



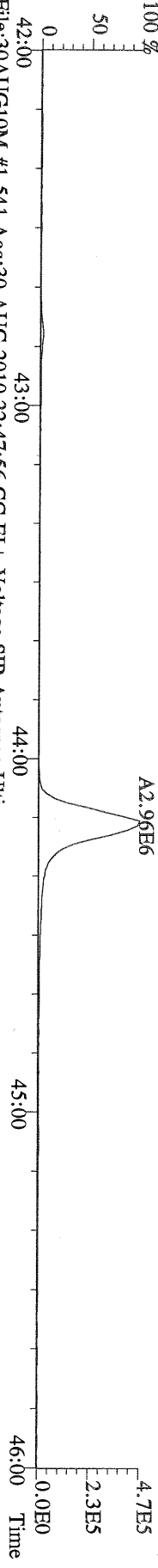
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403.8530 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



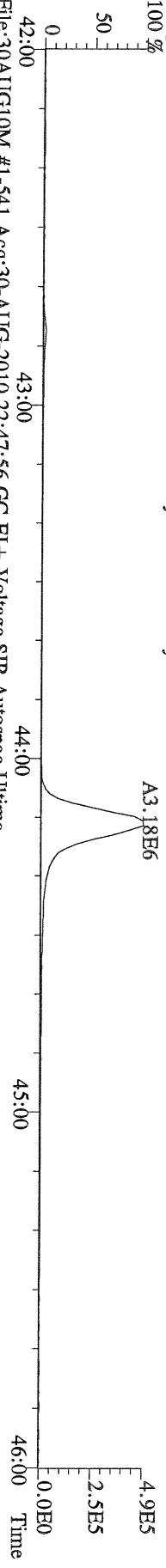
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:10 F:3 Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



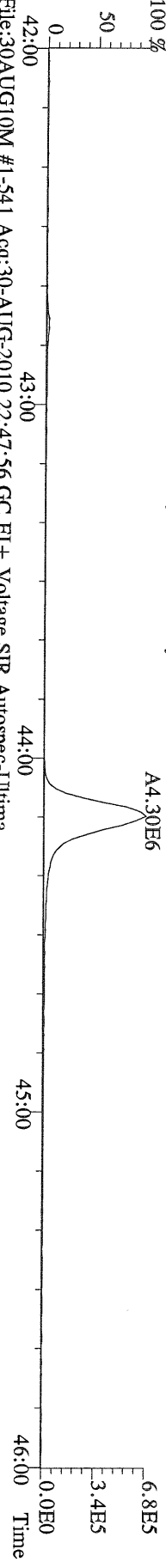
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423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp.:PCDD
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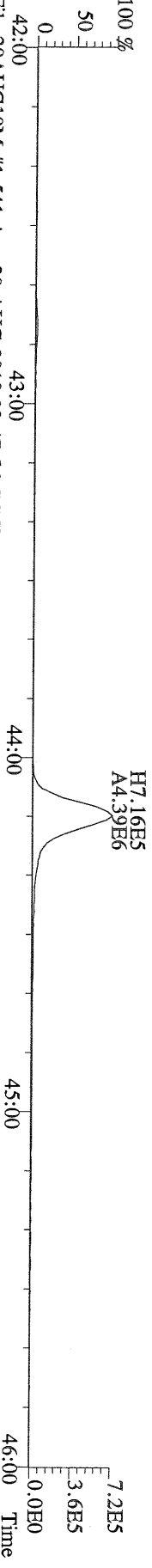
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425.7737 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



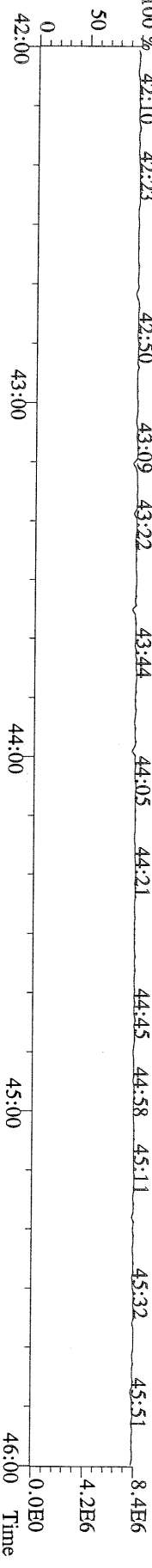
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435.8169 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory
100 %



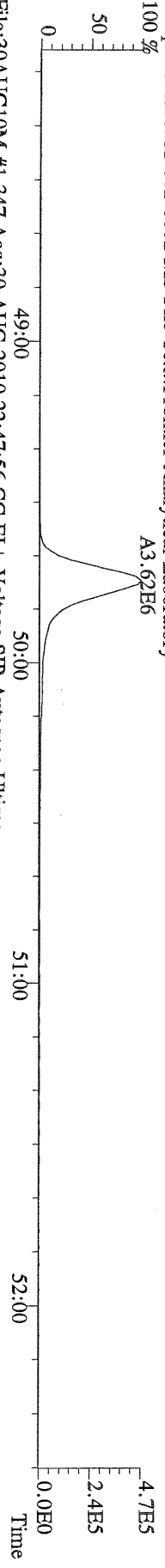
File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



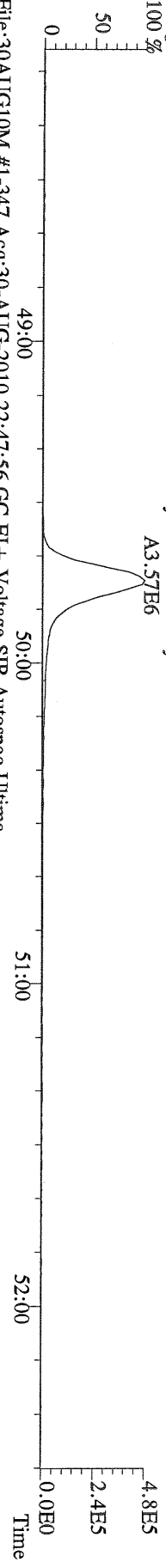
File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:10 F:4 Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



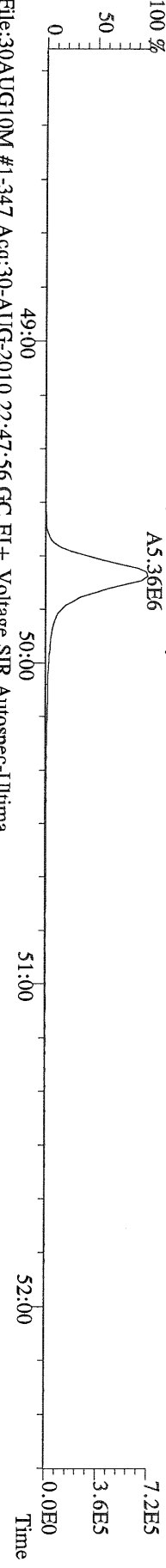
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



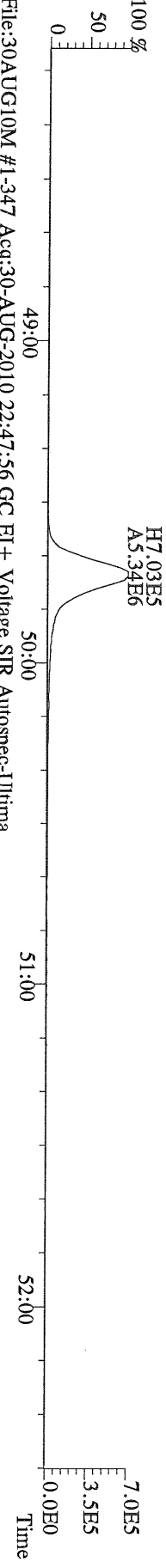
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
459.7348 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



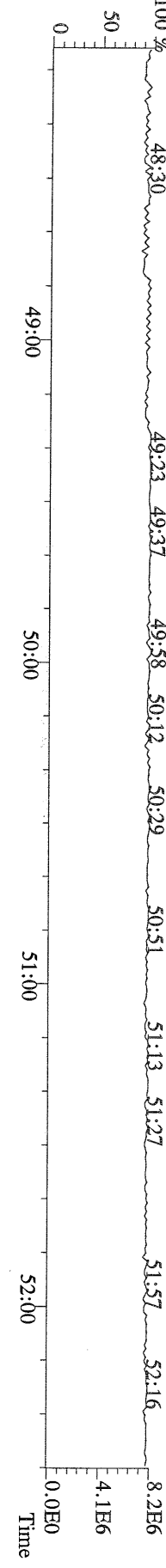
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
469.7780 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



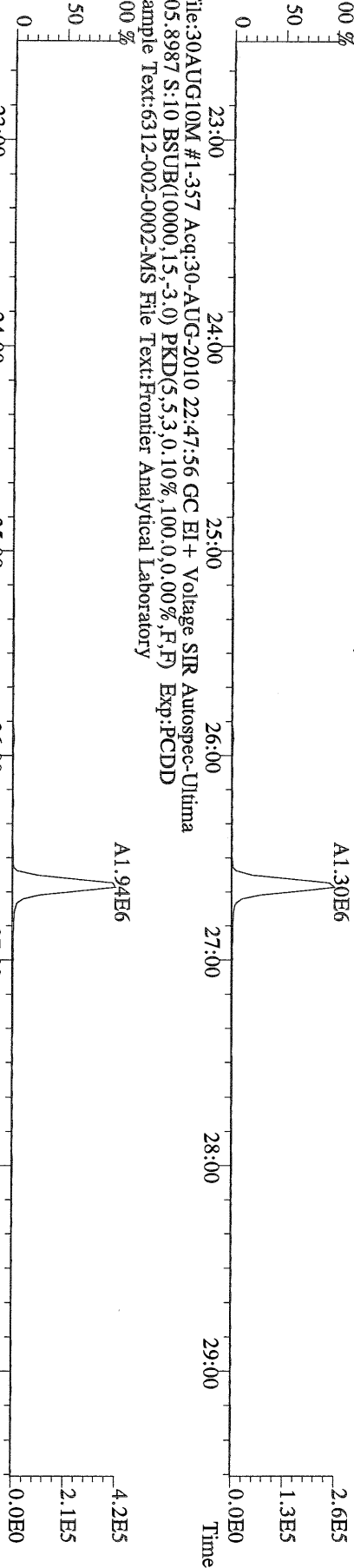
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
471.7750 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



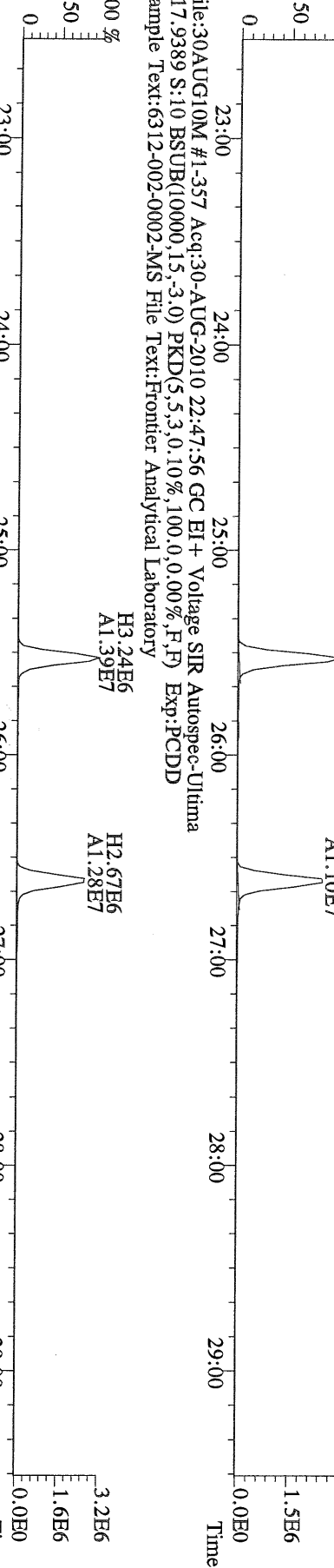
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
454.9728 S:10 F:5 Exp.:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



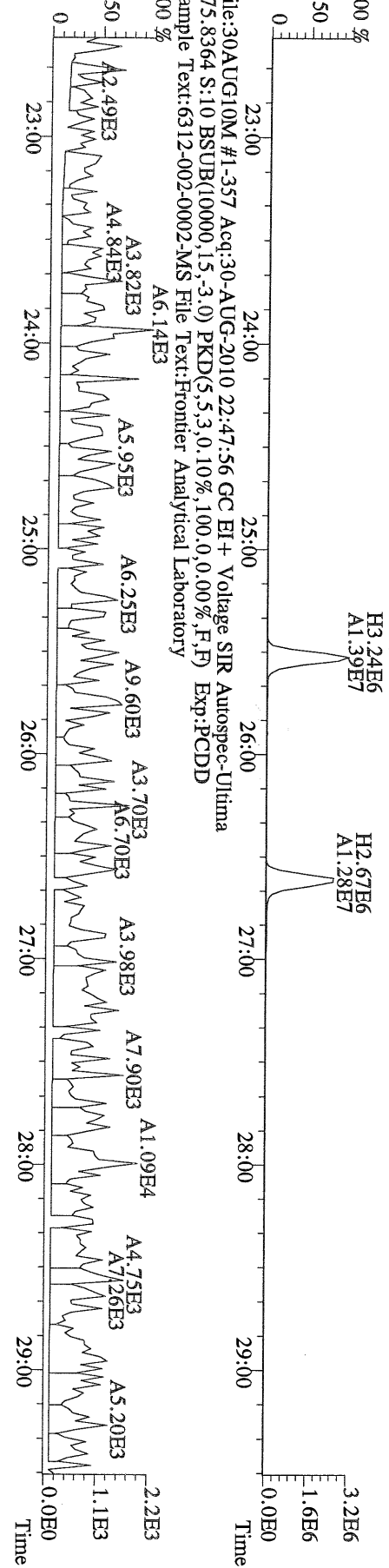
File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
315.9419 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

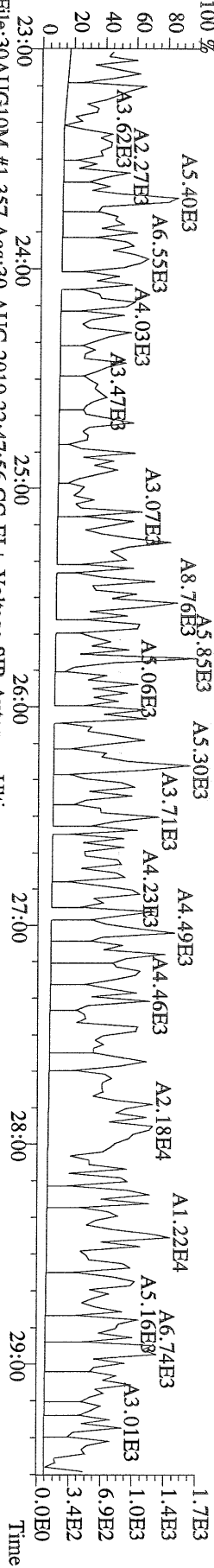


File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
317.9389 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

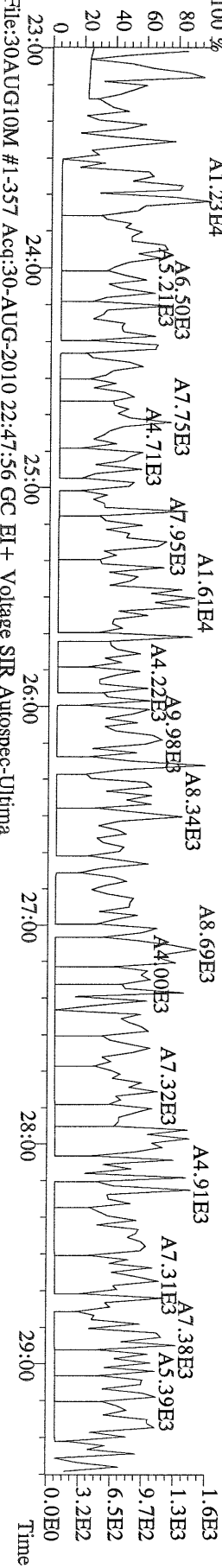


File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI + Voltage SIR Autospec-Ultima
375.8364 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

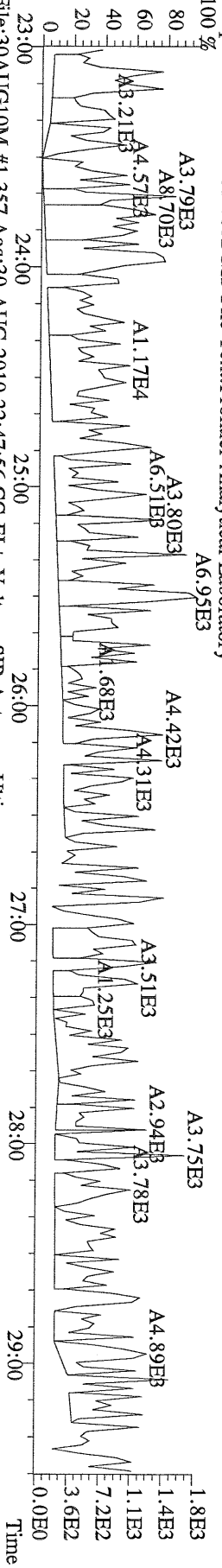
File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



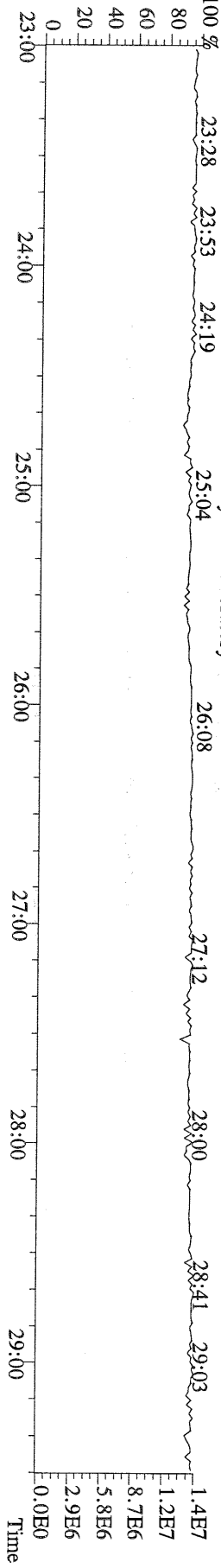
File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



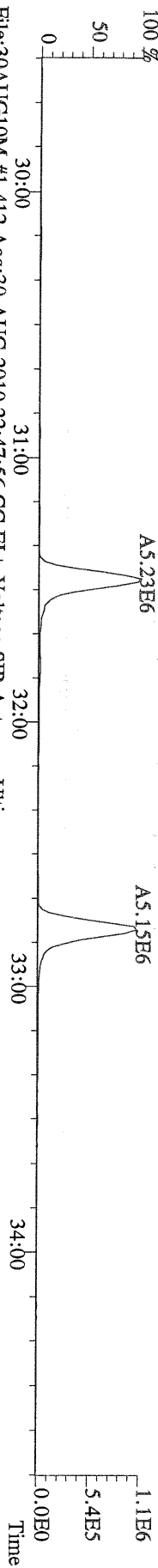
File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:10 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



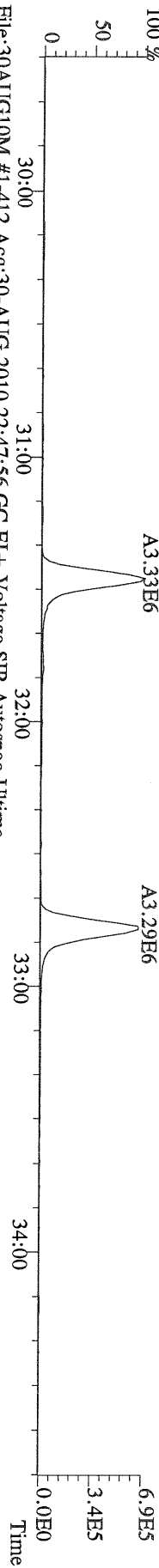
File:30AUG10M #1-357 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 330.9792 S:10 Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



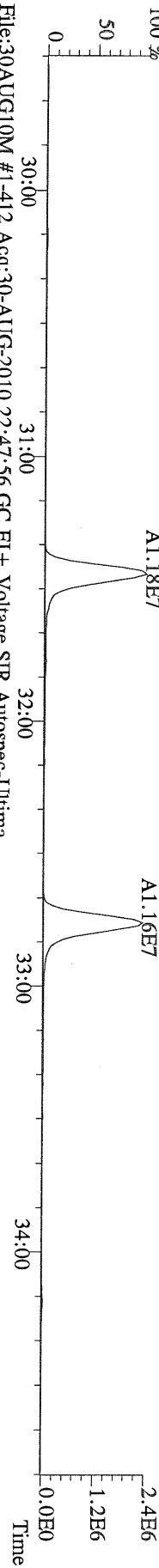
File:30AUG10M #1-412 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



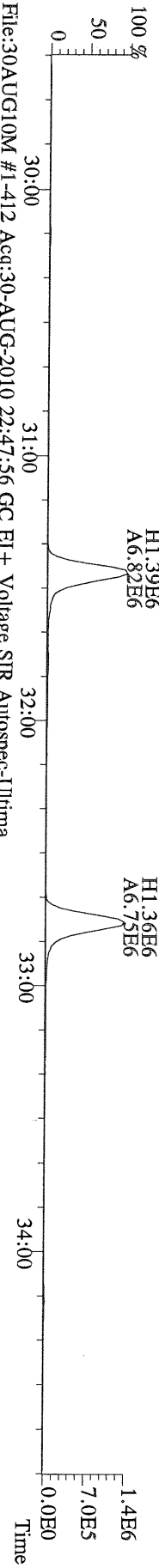
File:30AUG10M #1-412 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



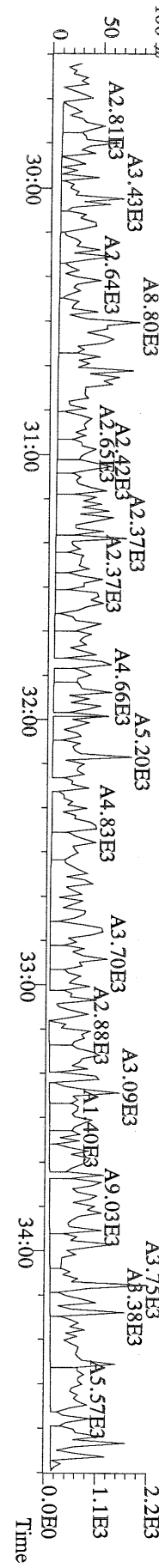
File:30AUG10M #1-412 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



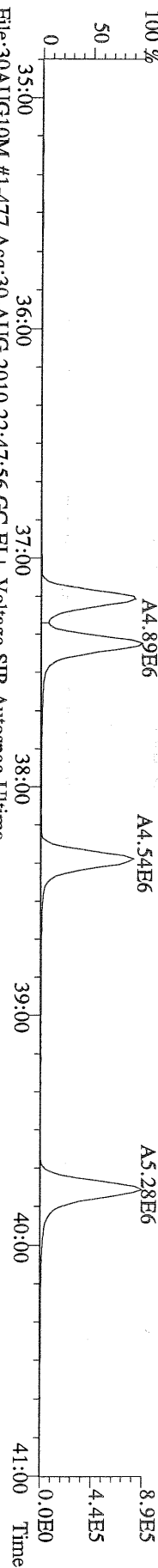
File:30AUG10M #1-412 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



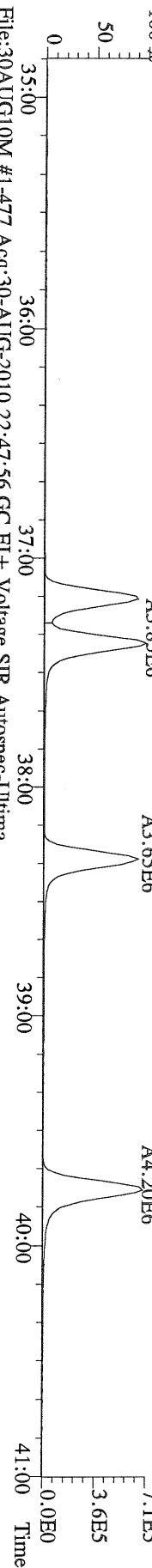
File:30AUG10M #1-412 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



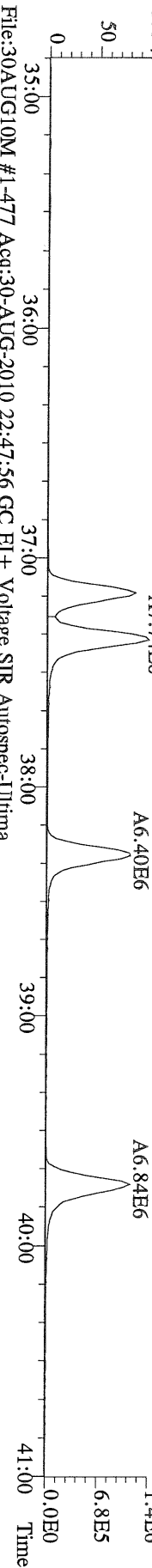
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



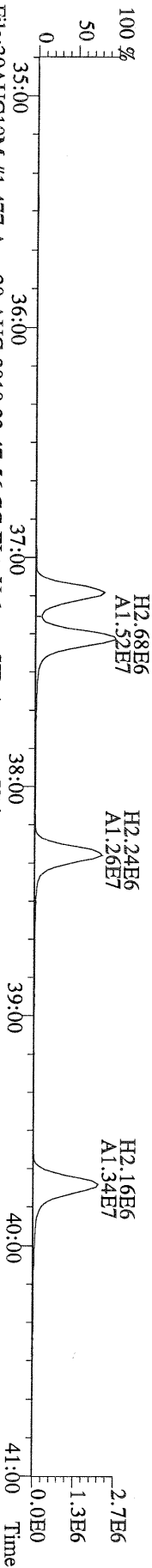
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 375.8178 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



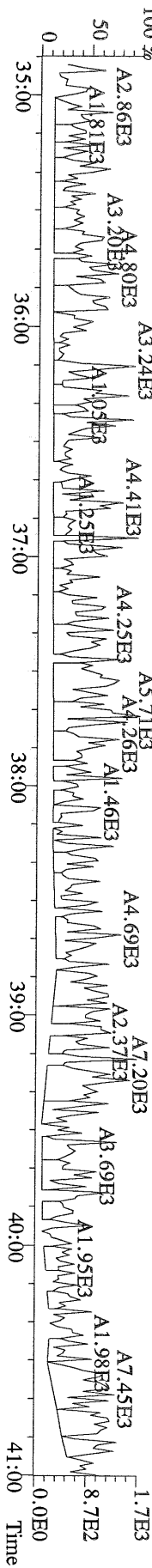
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



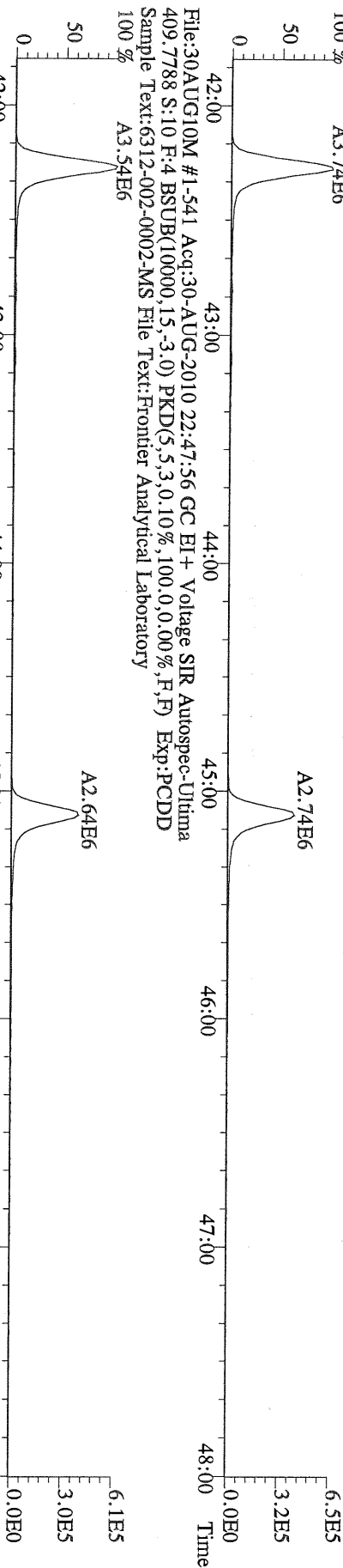
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 385.8610 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



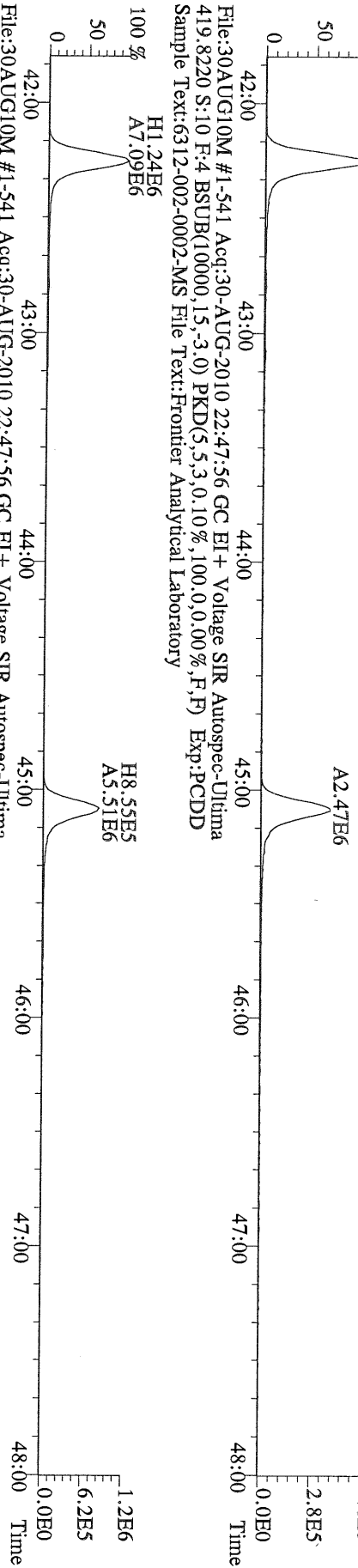
File:30AUG10M #1-477 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 445.7555 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



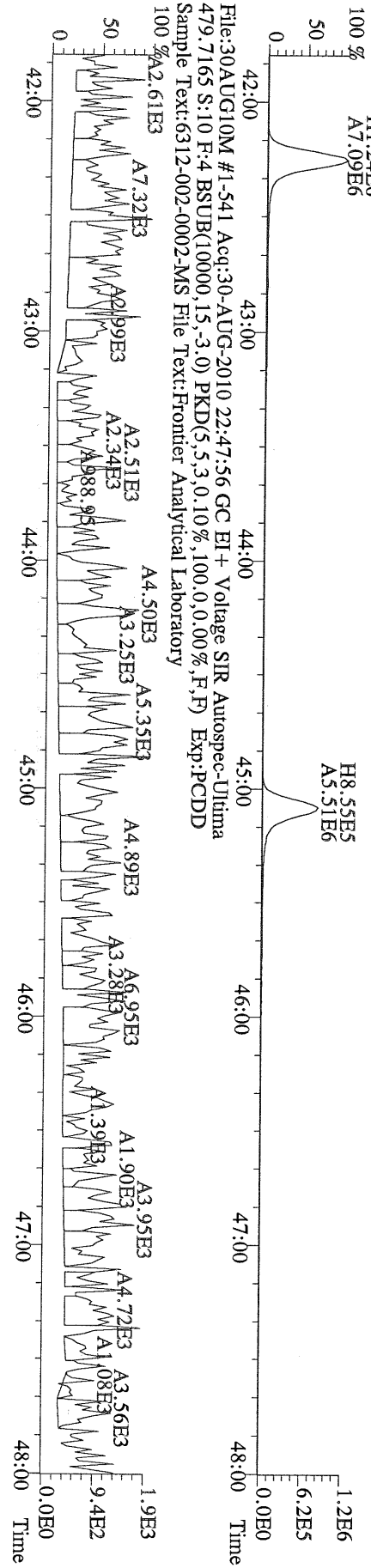
File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

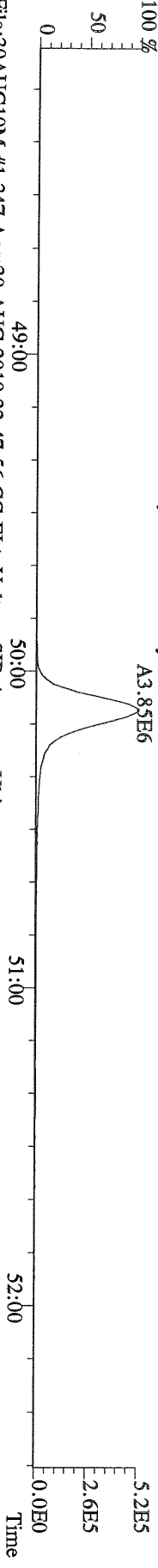


File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

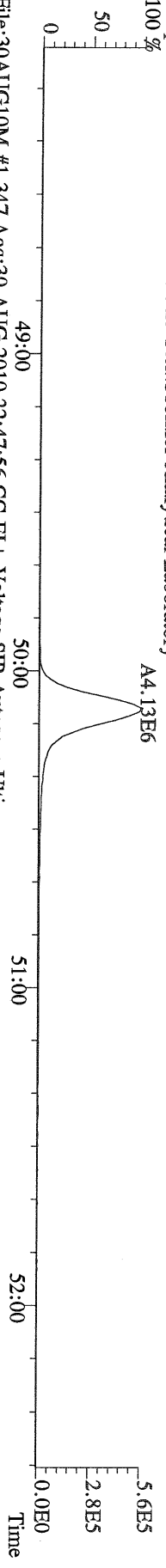


File:30AUG10M #1-541 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory

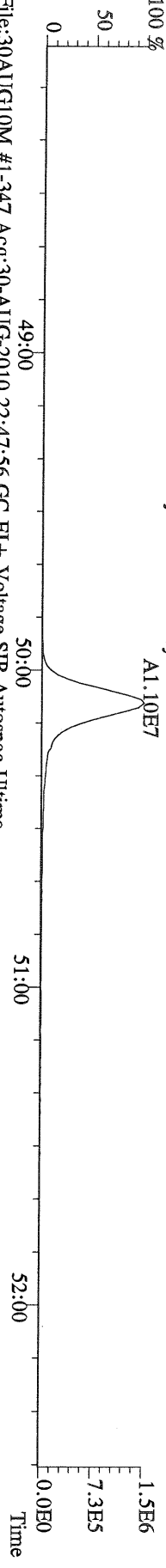
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



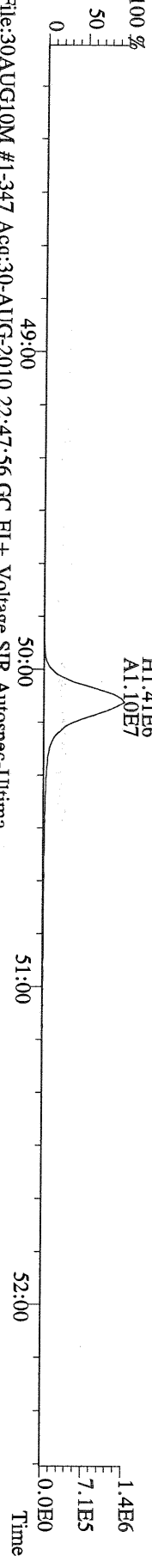
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



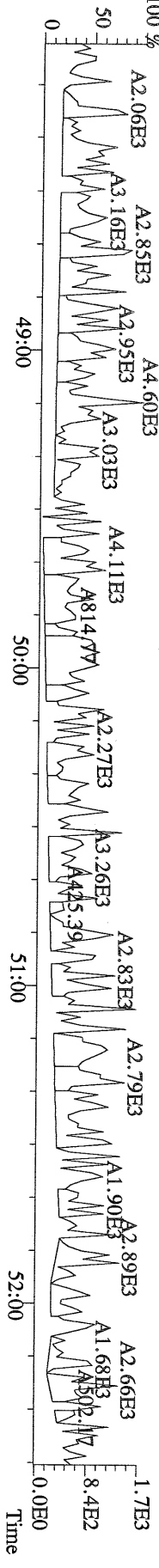
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory




File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



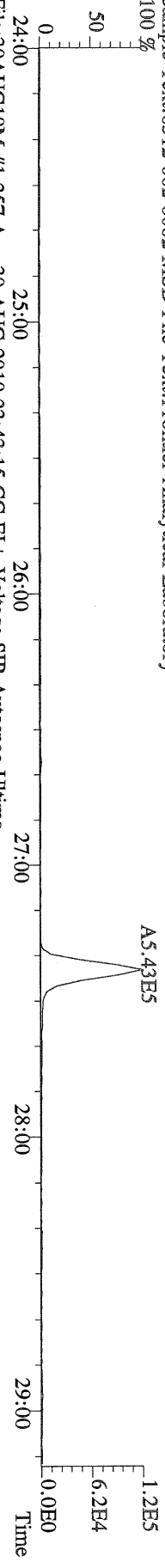
File:30AUG10M #1-347 Acq:30-AUG-2010 22:47:56 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MS File Text:Frontier Analytical Laboratory



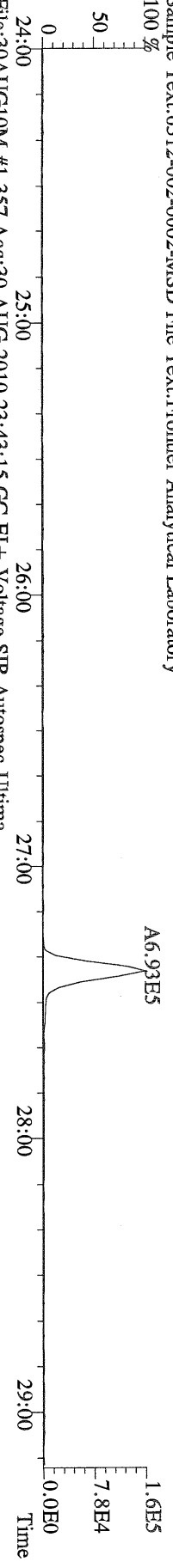
Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	1.24e+06	0.78 y	27:23	1.11	391	2.50	-	-	*		
1,2,3,7,8-PeCDD	6.16e+06	1.49 y	33:12	1.10	2160	2.50	-	-	*		
1,2,3,4,7,8-HxCDD	5.83e+06	1.35 y	38:34	1.37	2070	2.50	-	-	*		
1,2,3,6,7,8-HxCDD	5.19e+06	1.35 y	38:44	1.37	2080	2.50	-	-	*		
1,2,3,7,8,9-HxCDD	5.89e+06	1.38 y	39:11	1.36	2240	2.50	-	-	*		
1,2,3,4,6,7,8-HpCDD	5.72e+06	0.92 y	44:11	1.45	2030	2.50	-	-	*		
OCDD	6.95e+06	0.95 y	49:45	1.43	3860	2.50	-	-	*		
2,3,7,8-TCDF	2.80e+06	0.66 y	26:39	1.50	380	2.50	-	-	*		
1,2,3,7,8-PeCDF	7.49e+06	1.57 y	31:28	0.94	2030	2.50	-	-	*		
2,3,4,7,8-PeCDF	7.22e+06	1.55 y	32:47	0.94	2040	2.50	-	-	*		
1,2,3,4,7,8-HxCDF	6.98e+06	1.26 y	37:11	0.93	1910	2.50	-	-	*		
1,2,3,6,7,8-HxCDF	7.93e+06	1.23 y	37:23	0.82	1960	2.50	-	-	*		
2,3,4,6,7,8-HxCDF	7.28e+06	1.22 y	38:20	0.92	1950	2.50	-	-	*		
1,2,3,7,8,9-HxCDF	8.62e+06	1.27 y	39:46	1.00	1950	2.50	-	-	*		
1,2,3,4,6,7,8-HpCDF	6.69e+06	1.04 y	42:17	1.39	2080	2.50	-	-	*		
1,2,3,4,7,8,9-HpCDF	4.84e+06	1.05 y	45:07	1.36	2080	2.50	-	-	*		
OCDF	7.64e+06	0.94 y	50:08	0.79	3870	2.50	-	-	*		
13C-2,3,7,8-TCDD	1.13e+07	0.82 y	27:22	1.02	3600					90.1	
13C-1,2,3,7,8-PeCDD	1.03e+07	1.71 y	33:11	0.84	3990					99.9	
13C-1,2,3,4,7,8-HxCDD	8.17e+06	1.25 y	38:34	1.07	3690					92.3	
13C-1,2,3,6,7,8-HxCDD	7.26e+06	1.25 y	38:44	1.01	3470					87.0	
13C-1,2,3,4,6,7,8-HpCDD	7.74e+06	0.95 y	44:11	0.86	4380					110	
13C-OCDD	1.00e+07	1.00 y	49:45	0.55	8890					111	
13C-2,3,7,8-TCDF	1.96e+07	0.88 y	26:36	0.99	3870					97.0	
13C-1,2,3,7,8-PeCDF	1.56e+07	1.71 y	31:27	0.84	3670					91.9	
13C-2,3,4,7,8-PeCDF	1.51e+07	1.70 y	32:46	0.81	3650					91.3	
13C-1,2,3,4,7,8-HxCDF	1.57e+07	0.51 y	37:09	1.85	4100					103	
13C-1,2,3,6,7,8-HxCDF	1.97e+07	0.51 y	37:22	2.54	3760					94.3	
13C-2,3,4,6,7,8-HxCDF	1.63e+07	0.52 y	38:18	2.01	3910					97.9	
13C-1,2,3,7,8,9-HxCDF	1.77e+07	0.52 y	39:45	2.03	4230					106	
13C-1,2,3,4,6,7,8-HpCDF	9.21e+06	0.43 y	42:16	1.11	4020					101	
13C-1,2,3,4,7,8,9-HpCDF	6.85e+06	0.45 y	45:05	0.80	4130					103	
13C-OCDF	2.00e+07	1.00 y	50:07	1.08	8970					112	
37Cl-2,3,7,8-TCDD	3.28e+06		27:23	0.69	1550					97.3	
13C-1,2,3,4-TCDD	1.23e+07	0.85 y	26:47	-	54.6						
13C-1,2,3,4-TCDF	2.03e+07	0.87 y	25:31	-	56.0						
13C-1,2,3,7,8,9-HxCDD	8.24e+06	1.25 y	39:10	-	59.7						
Total Tetra-Dioxins	1.39e+06		22:54	1.11	440	2.50	-	-	*		23
Total Penta-Dioxins	6.33e+06		29:58	1.10	2220	2.50	-	-	*		11
Total Hexa-Dioxins	1.73e+07		35:25	1.37	6530	2.50	-	-	*		30
Total Hepta-Dioxins	6.24e+06		41:45	1.45	2210	2.50	-	-	*		44
Total Tetra-Furans	3.06e+06		22:49	1.50	415	2.50	-	-	*		20
1st Fn. Tot Penta-Furans	1.67e+05		22:37	0.94	46.2	2.50	-	-	*	PeCDF	26
Total Penta-Furans	1.51e+07		29:58	0.94	4190	2.50	-	-	*	4240	17
Total Hexa-Furans	3.10e+07		35:15	0.91	7810	2.50	-	-	*		12
Total Hepta-Furans	1.18e+07		42:17	1.38	4250	2.50	-	-	*		21

Analyst:  Date: 8/31/10

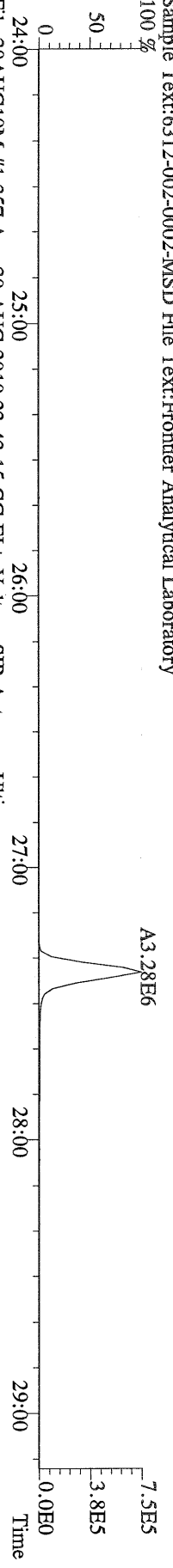
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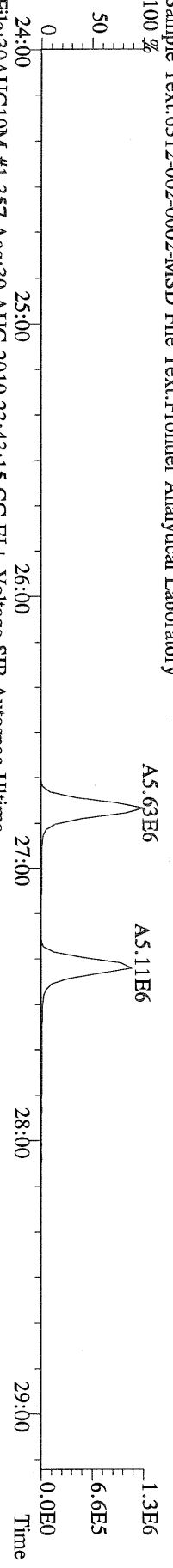
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100 %



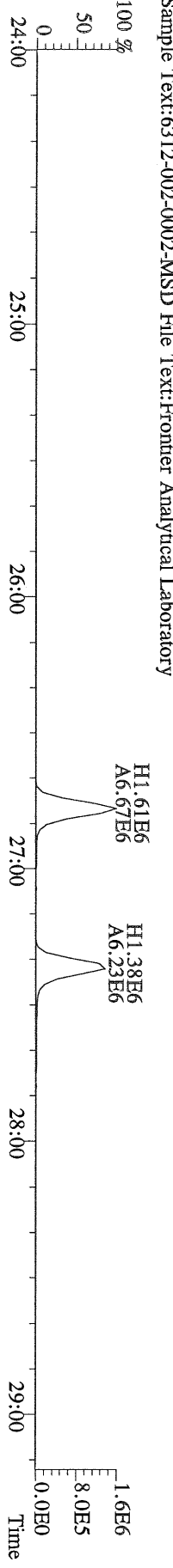
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100 %



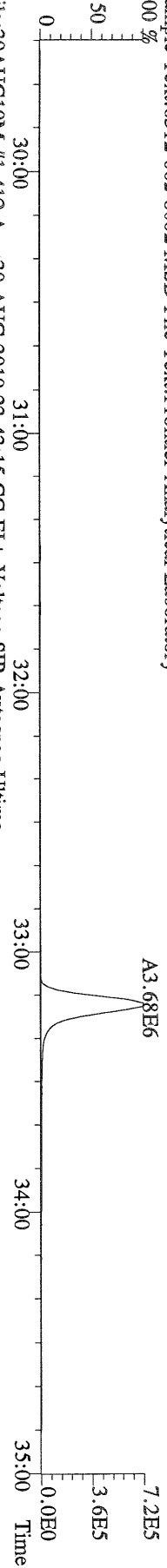
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100 %



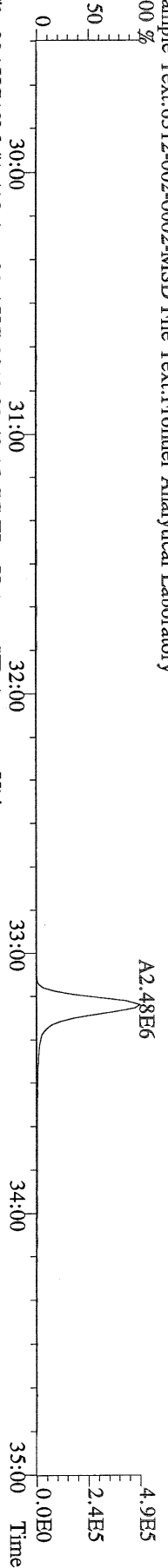
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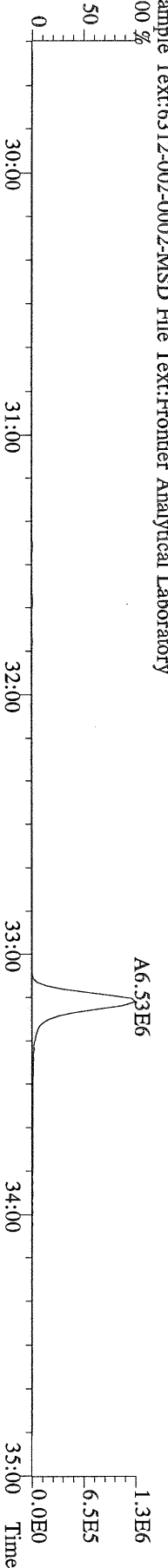
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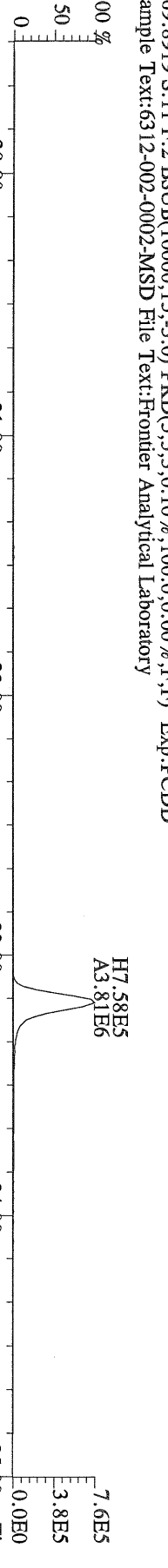
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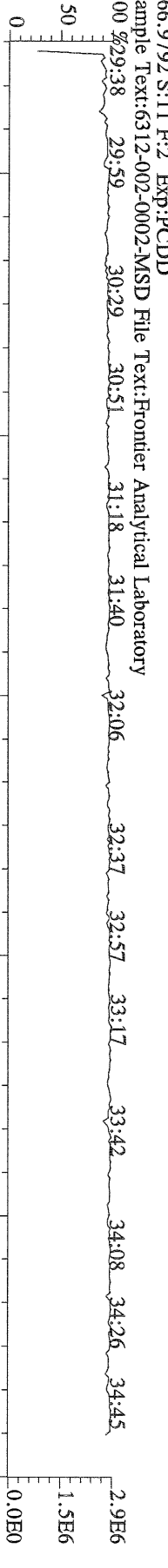
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 100 %



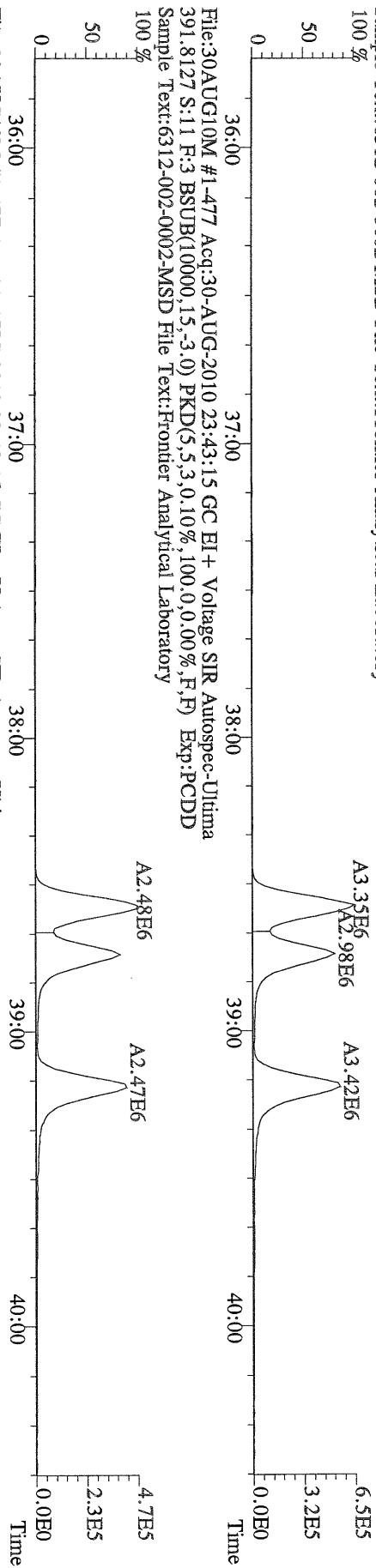
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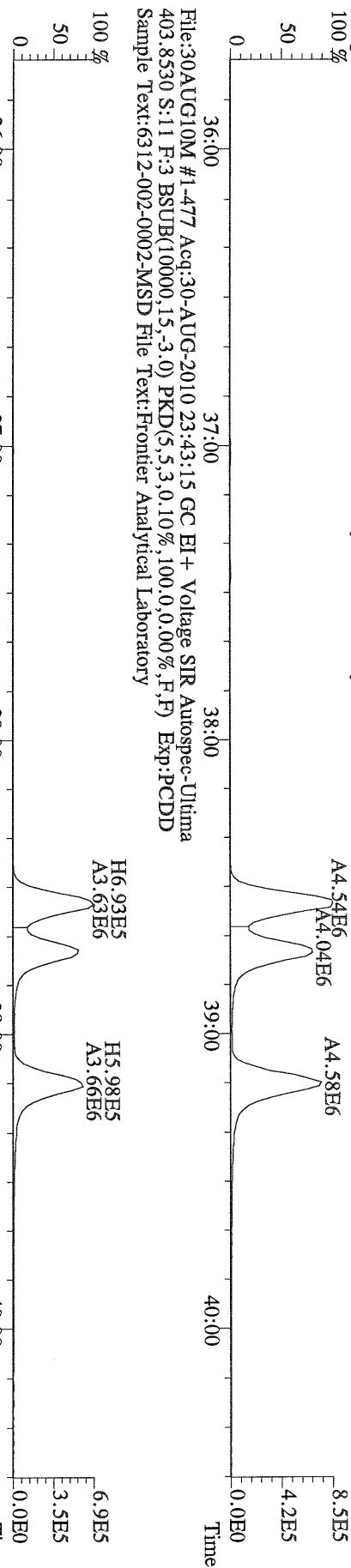
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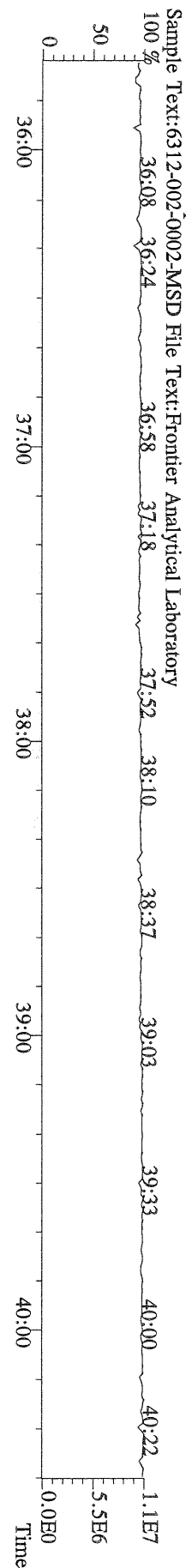
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Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory
100 %



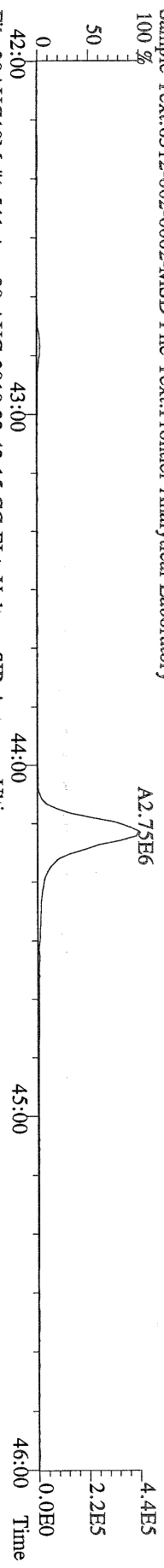
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Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory
100 %



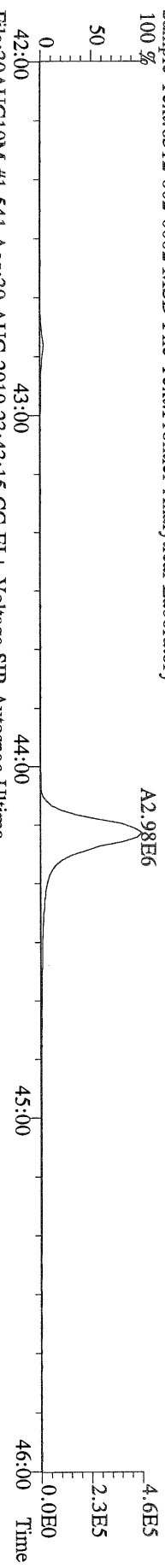
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Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory
100 %



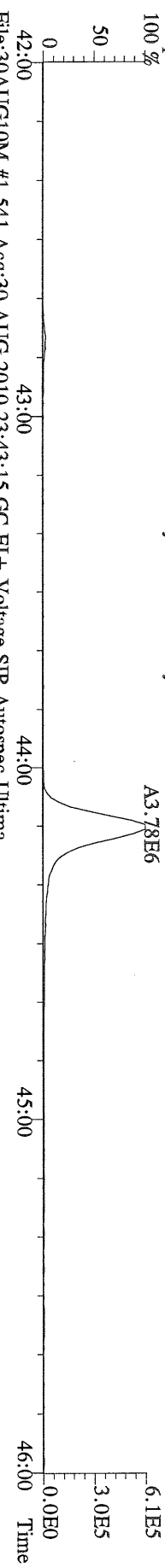
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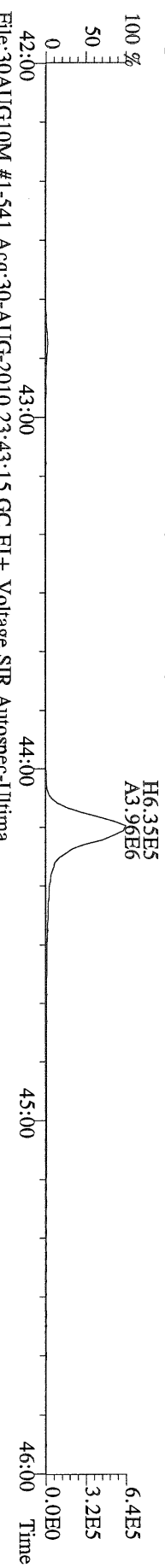
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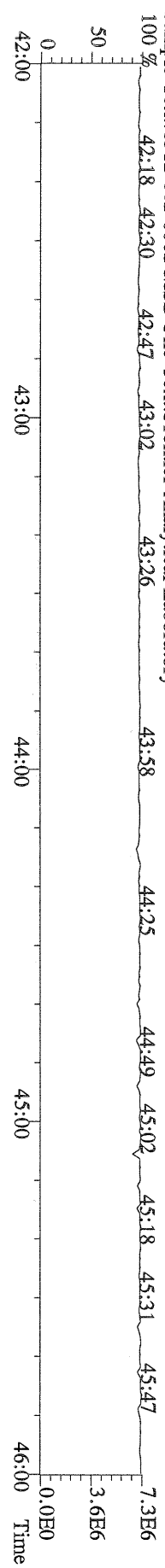
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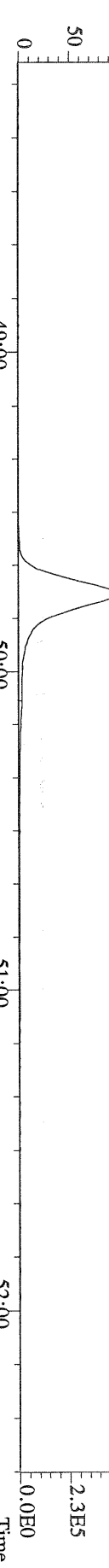
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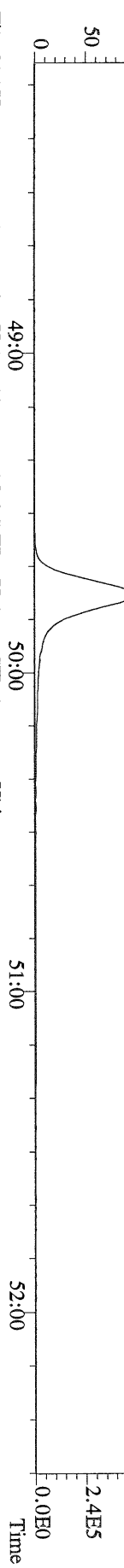
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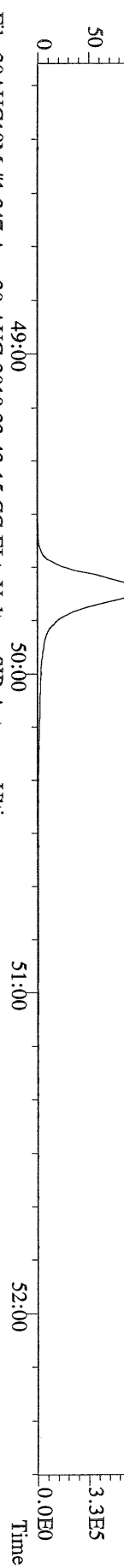
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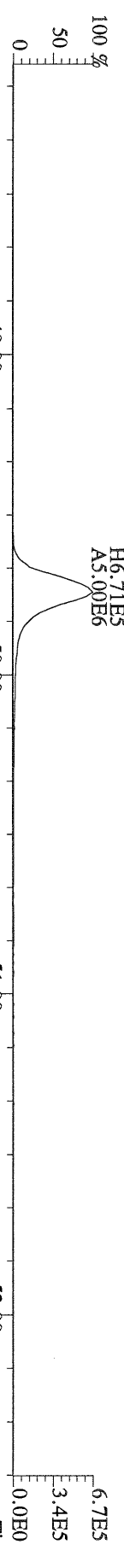
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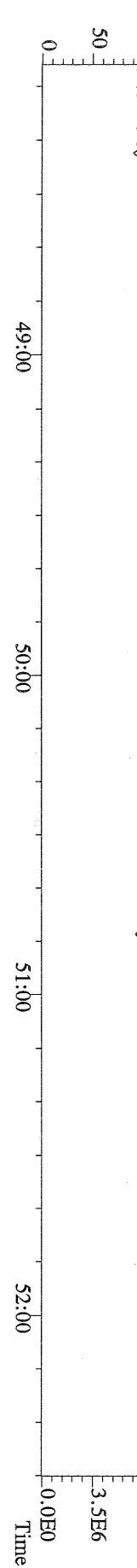
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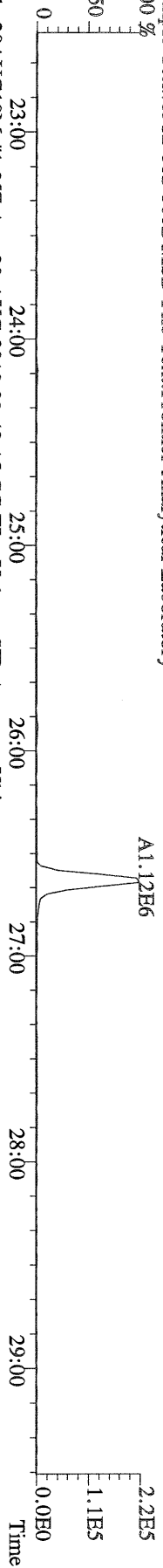
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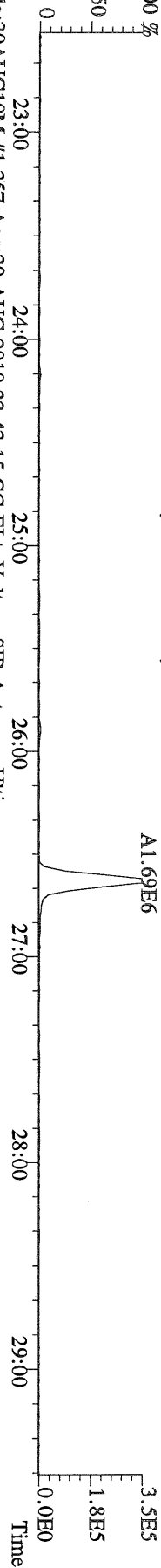
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100 %



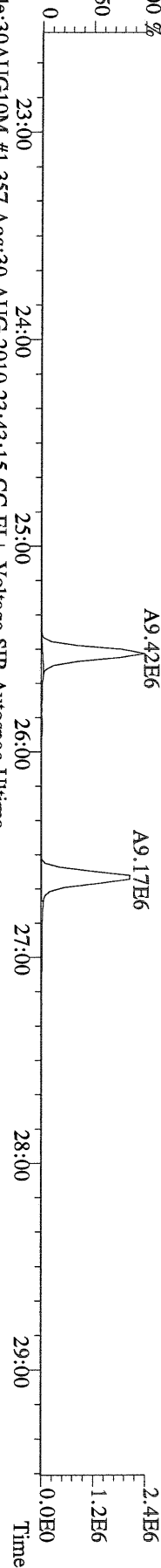
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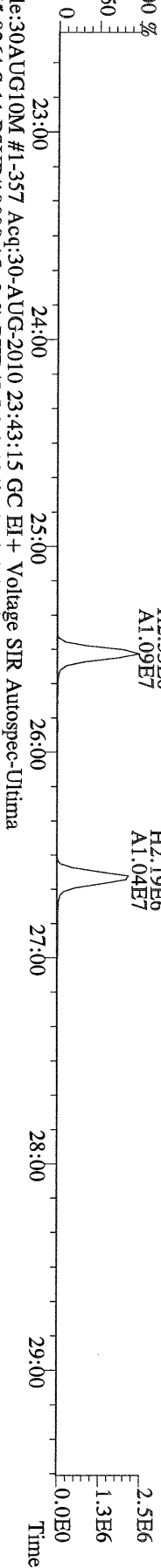
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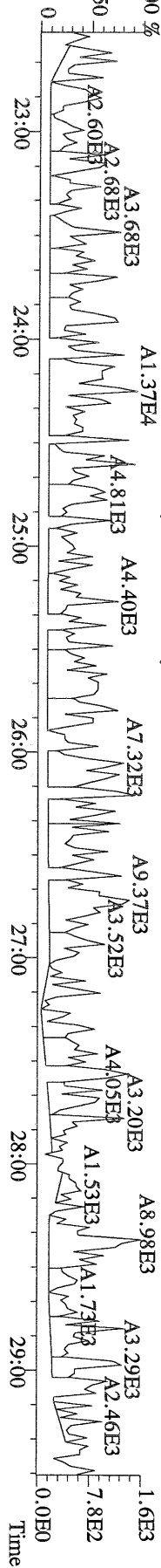
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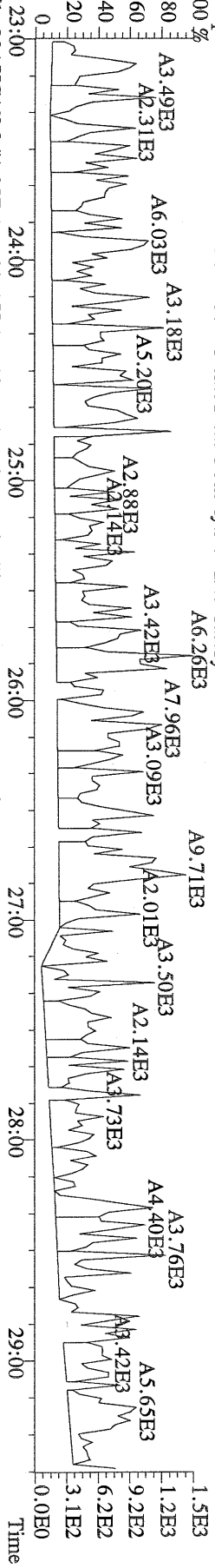
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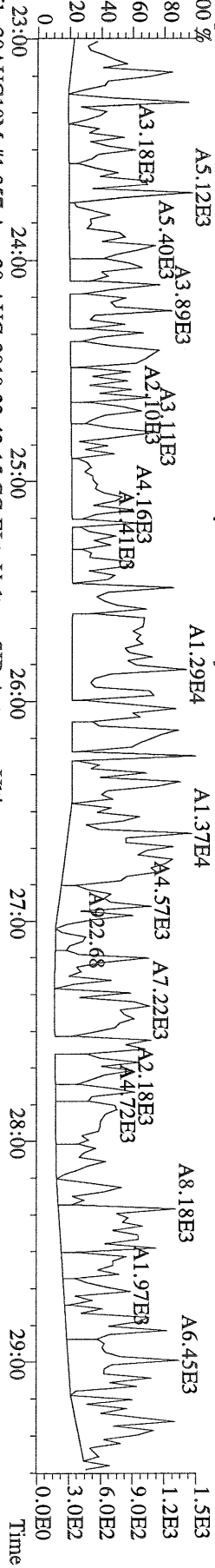
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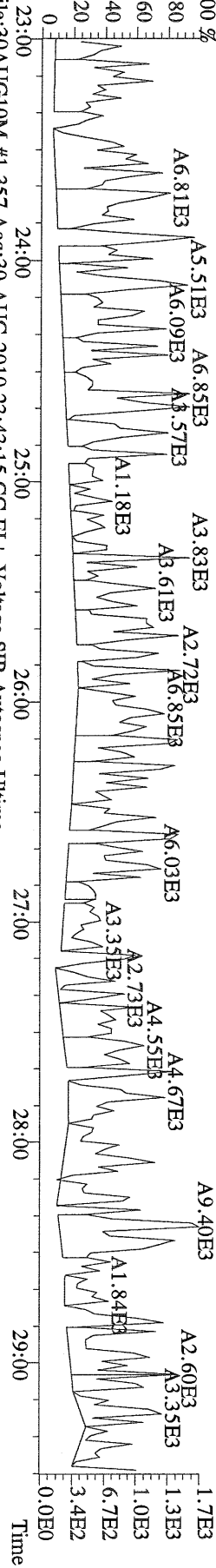
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 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



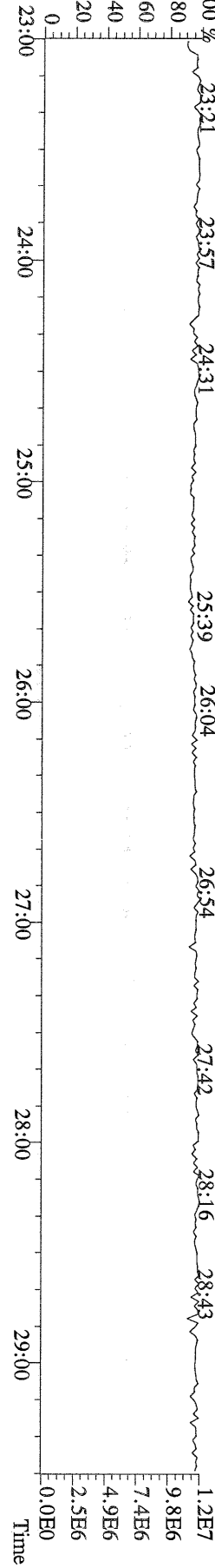
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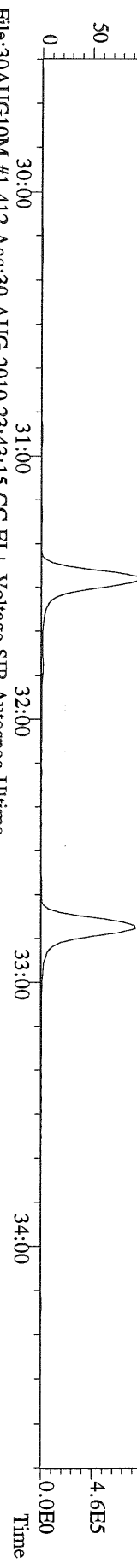
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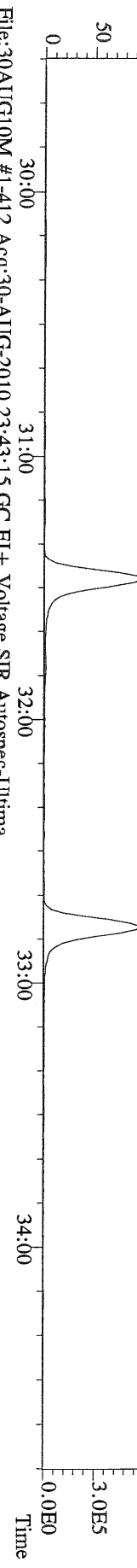
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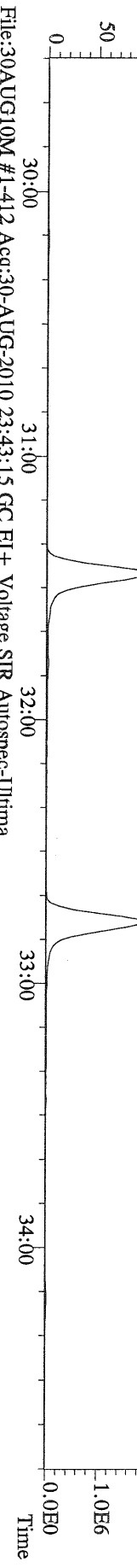
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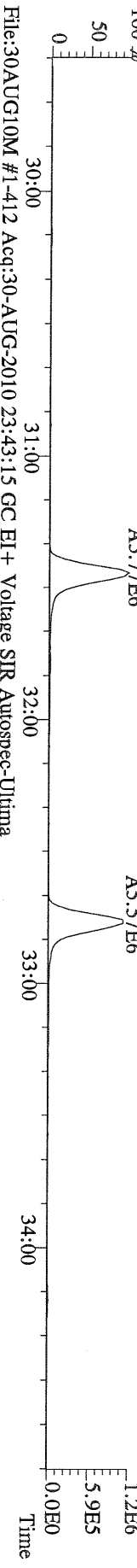
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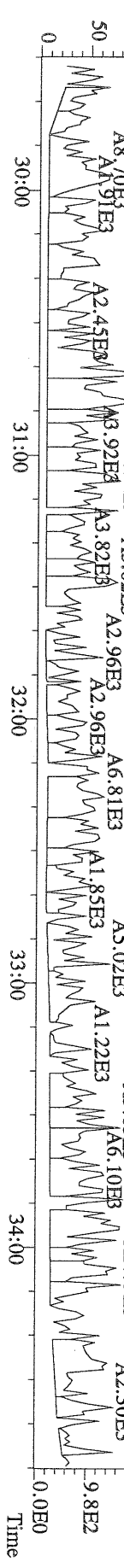
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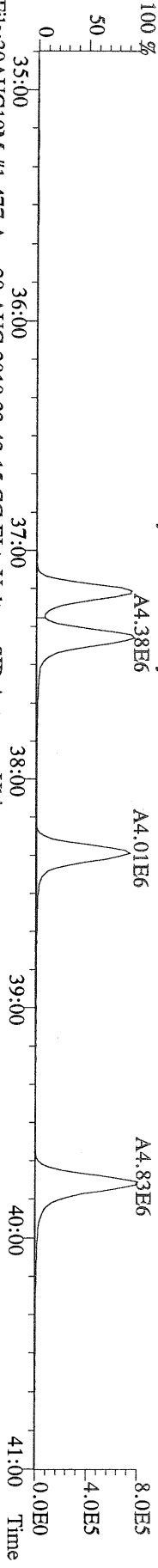
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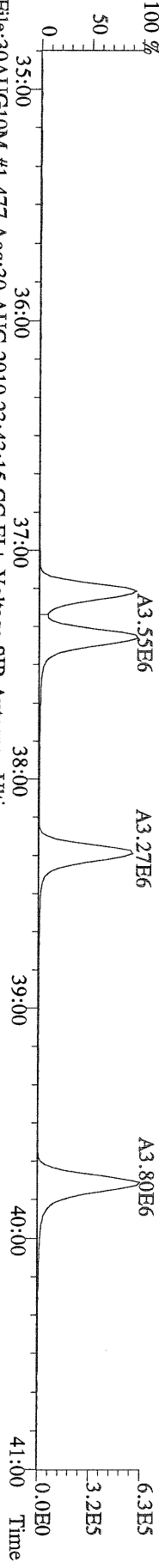
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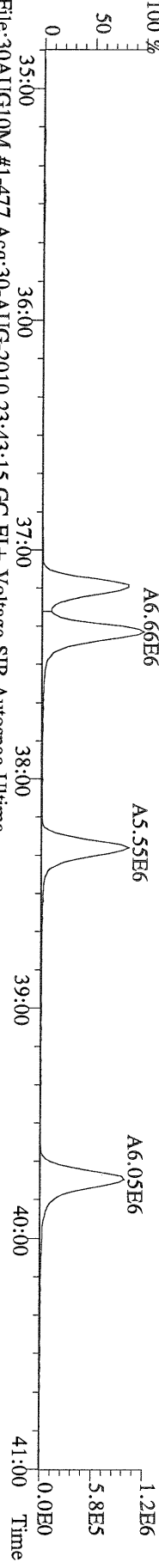
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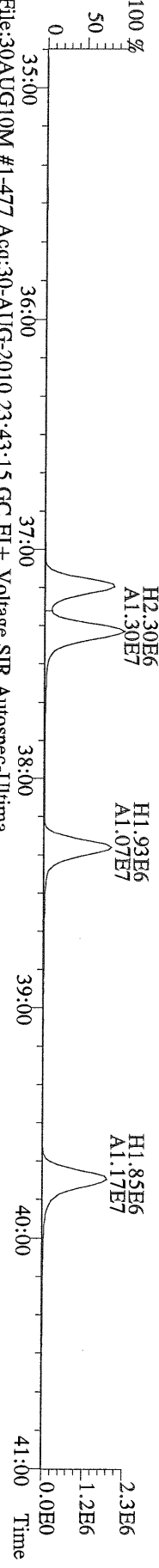
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375.8178 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



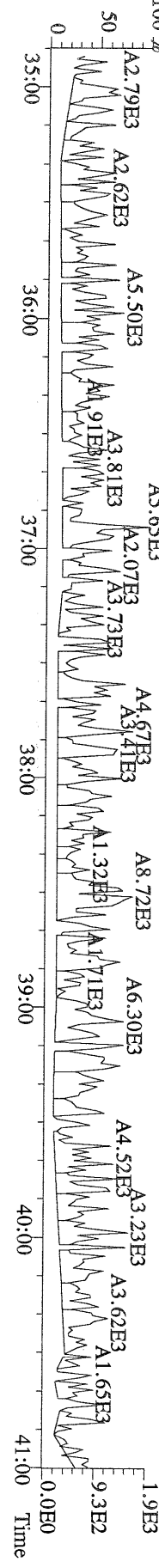
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383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



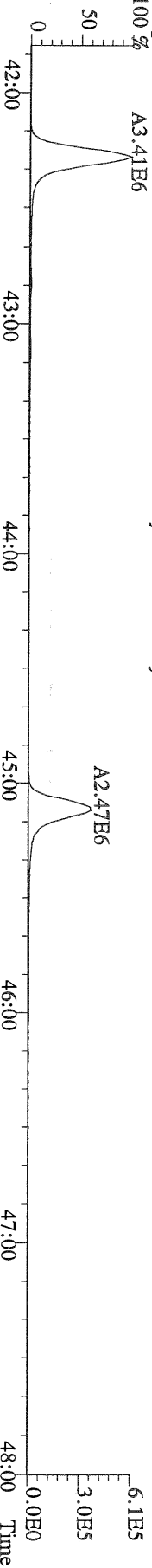
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385.8610 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



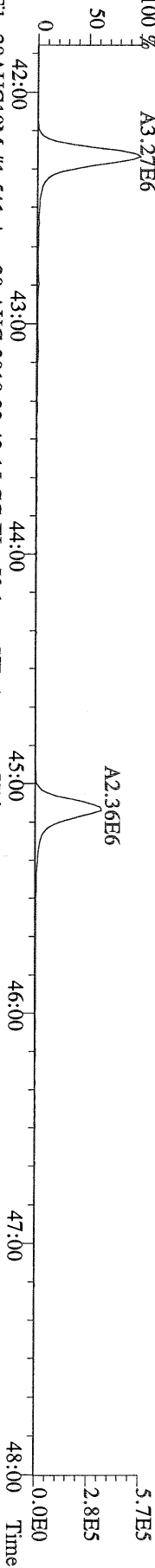
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445.7555 S:11 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



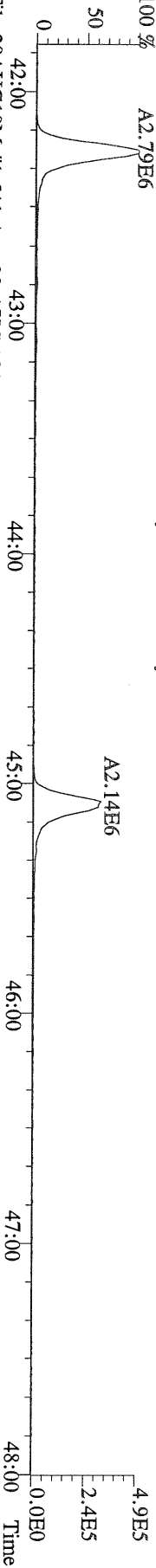
File:30AUG10M #1-541 Acq:30-AUG-2010 23:43:15 GC EI+ Voltage SIR Autospec-Ultime
 407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



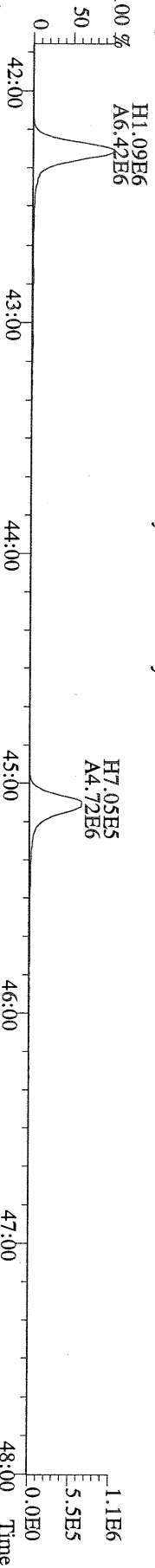
File:30AUG10M #1-541 Acq:30-AUG-2010 23:43:15 GC EI+ Voltage SIR Autospec-Ultime
 409.7788 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



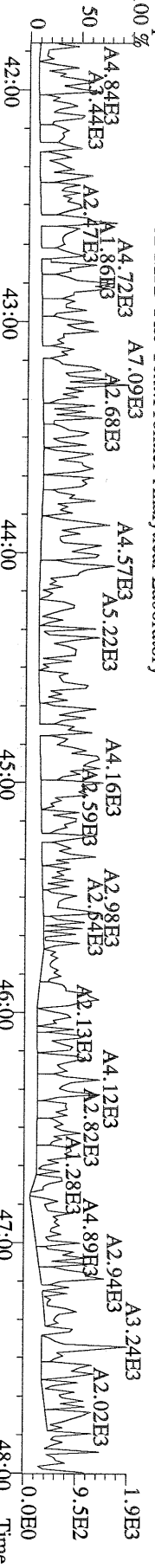
File:30AUG10M #1-541 Acq:30-AUG-2010 23:43:15 GC EI+ Voltage SIR Autospec-Ultime
 417.8253 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



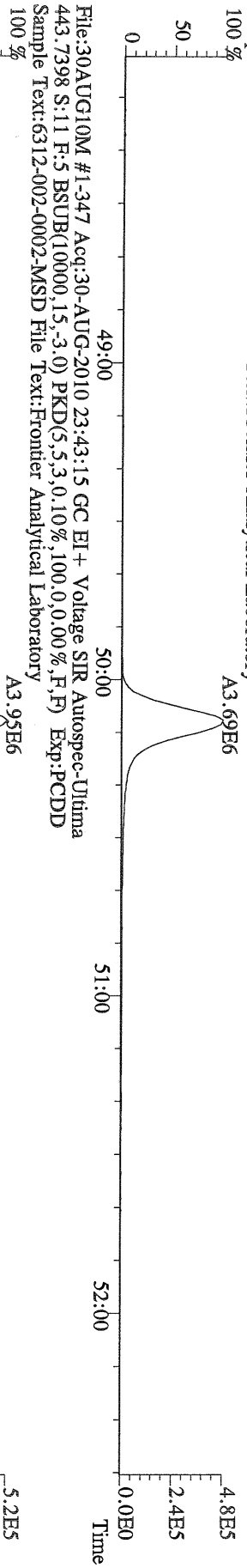
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 419.8220 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



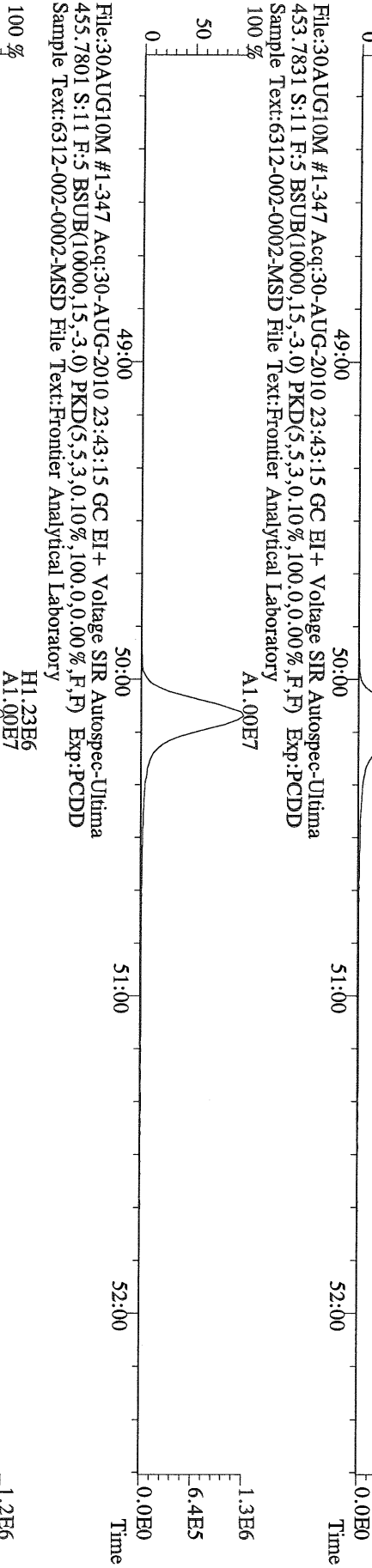
File:30AUG10M #1-541 Acq:30-AUG-2010 23:43:15 GC EI+ Voltage SIR Autospec-Ultime
 479.7165 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



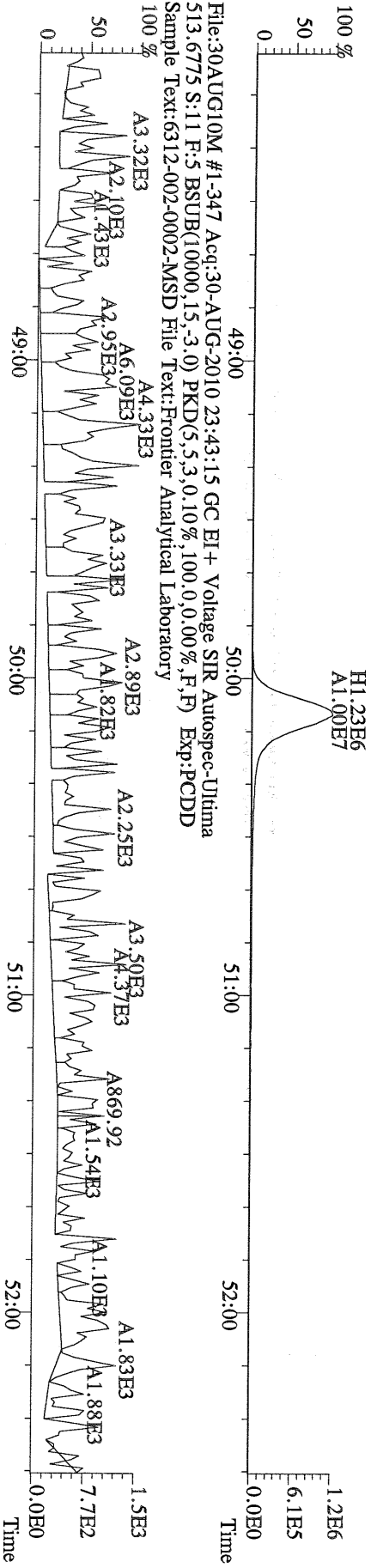
File:30AUG10M #1-347 Acq:30-AUG-2010 23:43:15 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:11 F:5 BSUB(10000,15,-3,0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 23:43:15 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:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 23:43:15 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:PCDD
 Sample Text:6312-002-0002-MSD File Text:Frontier Analytical Laboratory



FAL ID: 6312-003-0001-SA
 Client ID: MW-07-081310
 Results: 6312

Filename: 30AUG10M Sam:6 Acquired: 30-AUG-10 19:06:22 ICal: PCDDFAL3-8-23-10
 ConCal: ST083010M1 EndCal: ST083010M2

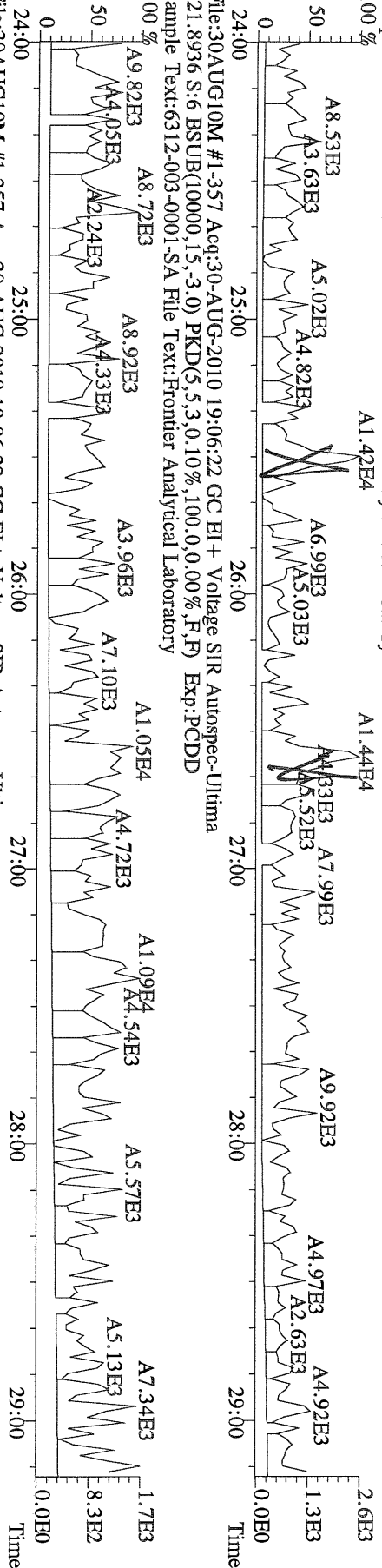
GC Column: DB5 Amount: 1.018
 NATO 1989 Tox: 0.00 WHO 1998 Tox: 0.00 WHO 2005 Tox: 0.00
 Conc Qual Fac Noise-1 Noise-2 DL

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	#Hom	
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	664	722	1.63	0
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	884	629	2.30	0
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	519	588	1.71	0
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	519	588	2.21	0
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	519	588	1.96	0
1,2,3,4,6,7,8-HpCDD	*	* n	NotFnd	1.45	*		2.50	591	797	2.77	0
OCDD	*	* n	NotFnd	1.43	*		2.50	593	641	4.68	0
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	839	963	0.839	0
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	646	712	1.50	0
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	646	712	1.55	0
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	583	568	1.46	0
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	583	568	1.44	0
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	583	568	1.45	0
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	583	568	1.46	0
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*		2.50	689	748	2.30	0
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	689	748	3.54	0
OCDF	*	* n	NotFnd	0.79	*		2.50	652	869	5.48	0
											Rec
13C-2,3,7,8-TCDD	1.73e+07	0.84	y	27:20	1.02	1740					88.6
13C-1,2,3,7,8-PeCDD	1.53e+07	1.75	y	33:10	0.84	1880					95.8
13C-1,2,3,4,7,8-HxCDD	1.22e+07	1.25	y	38:33	1.07	1670					85.1
13C-1,2,3,6,7,8-HxCDD	1.07e+07	1.26	y	38:42	1.01	1550					79.1
13C-1,2,3,4,6,7,8-HpCDD	1.08e+07	0.97	y	44:09	0.86	1860					94.6
13C-OCDD	1.41e+07	1.00	y	49:42	0.55	3790					96.3
13C-2,3,7,8-TCDF	3.01e+07	0.87	y	26:36	0.99	1780					90.5
13C-1,2,3,7,8-PeCDF	2.38e+07	1.74	y	31:26	0.84	1670					84.8
13C-2,3,4,7,8-PeCDF	2.32e+07	1.73	y	32:45	0.81	1680					85.5
13C-1,2,3,4,7,8-HxCDF	2.20e+07	0.49	y	37:08	1.85	1740					88.8
13C-1,2,3,6,7,8-HxCDF	2.89e+07	0.47	y	37:20	2.54	1670					85.3
13C-2,3,4,6,7,8-HxCDF	2.38e+07	0.48	y	38:17	2.01	1730					88.3
13C-1,2,3,7,8,9-HxCDF	2.48e+07	0.48	y	39:44	2.03	1790					91.2
13C-1,2,3,4,6,7,8-HpCDF	1.32e+07	0.44	y	42:14	1.11	1750					89.0
13C-1,2,3,4,7,8,9-HpCDF	9.82e+06	0.45	y	45:04	0.80	1790					91.4
13C-OCDF	2.76e+07	1.00	y	50:05	1.08	3740					95.3
37Cl-2,3,7,8-TCDD	5.06e+06			27:22	0.69	761					96.8
13C-1,2,3,4-TCDD	1.91e+07	0.84	y	26:46	-	41.6					
13C-1,2,3,4-TCDF	3.34e+07	0.87	y	25:30	-	45.4					
13C-1,2,3,7,8,9-HxCDD	1.34e+07	1.25	y	39:09	-	47.6					
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	664	722	1.63	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	884	629	2.30	0
Total Hexa-Dioxins	*		NotFnd	1.37	*		2.50	519	588	2.21	0
Total Hepta-Dioxins	*		NotFnd	1.45	*		2.50	591	797	2.77	0
Total Tetra-Furans	*		NotFnd	1.50	*		2.50	839	963	0.839	0
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*		2.50	646	712	1.55	0
Total Penta-Furans	*		NotFnd	0.94	*		2.50	646	712	1.55	0.00
Total Hexa-Furans	*		NotFnd	0.91	*		2.50	583	568	1.46	0
Total Hepta-Furans	*		NotFnd	1.38	*		2.50	689	748	3.54	0

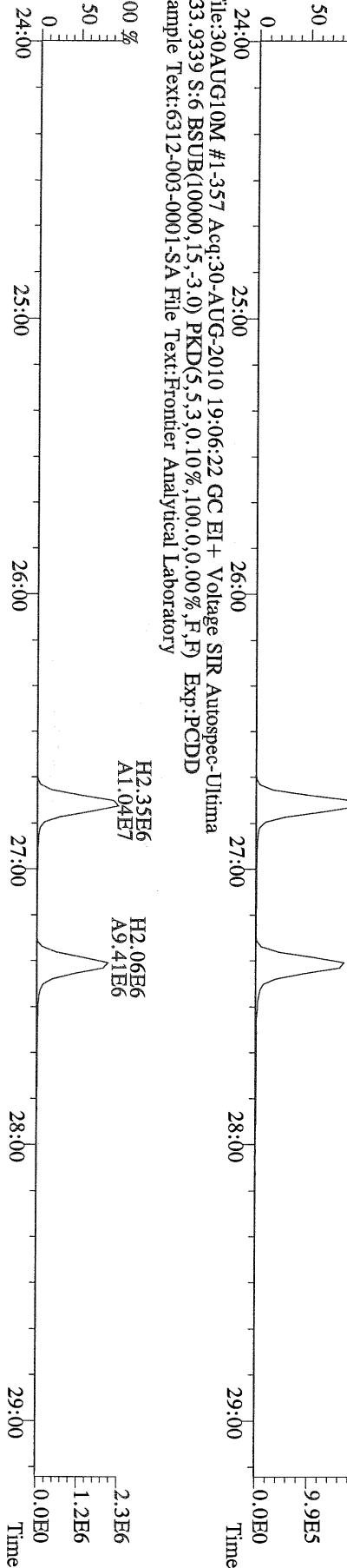
Analyst: [Signature]

Date: 8/31/10

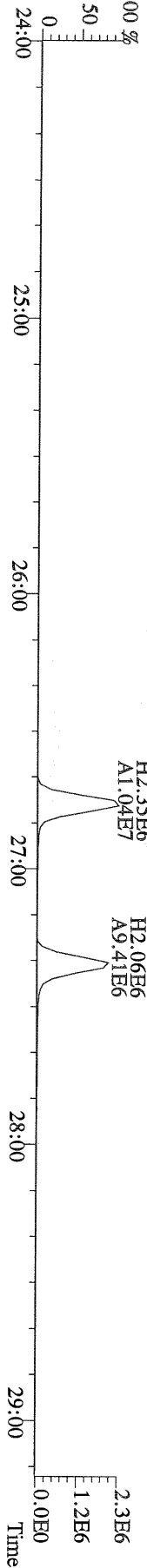
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



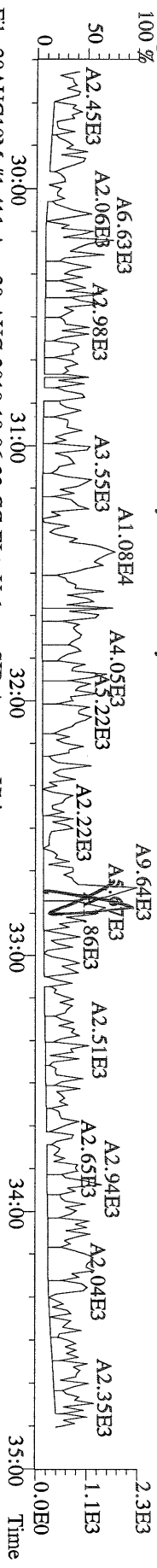
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



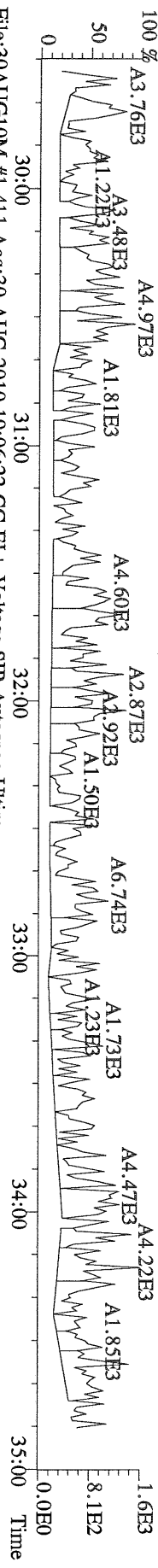
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333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



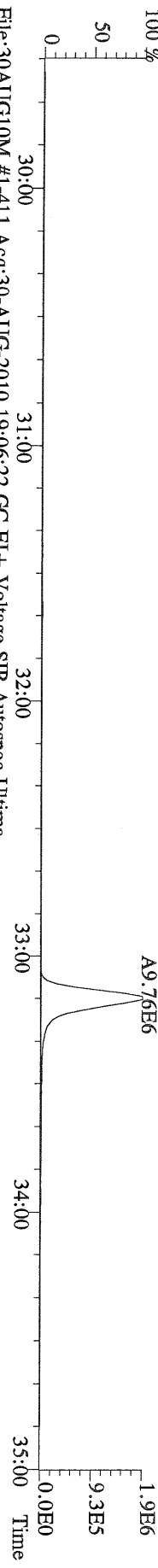
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 355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



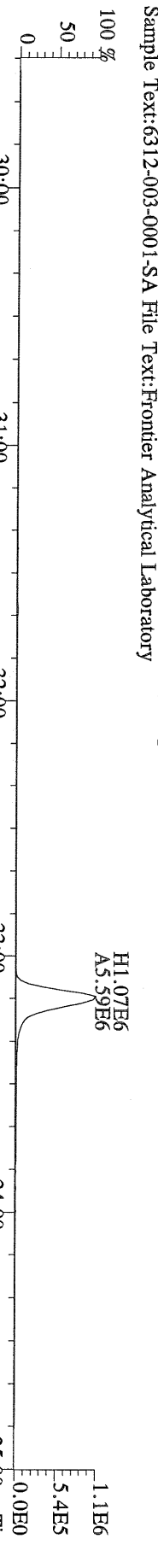
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 357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



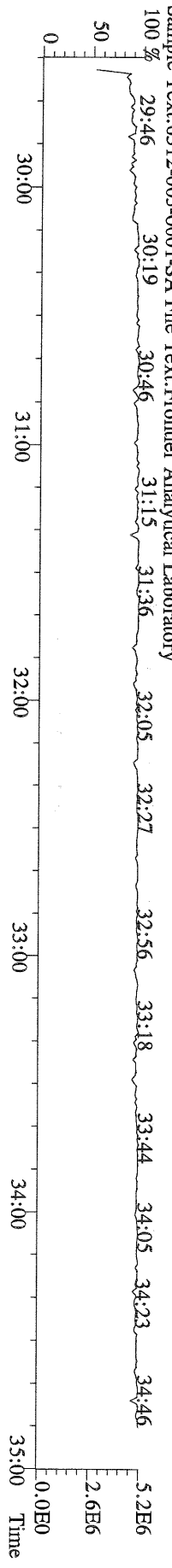
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 367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



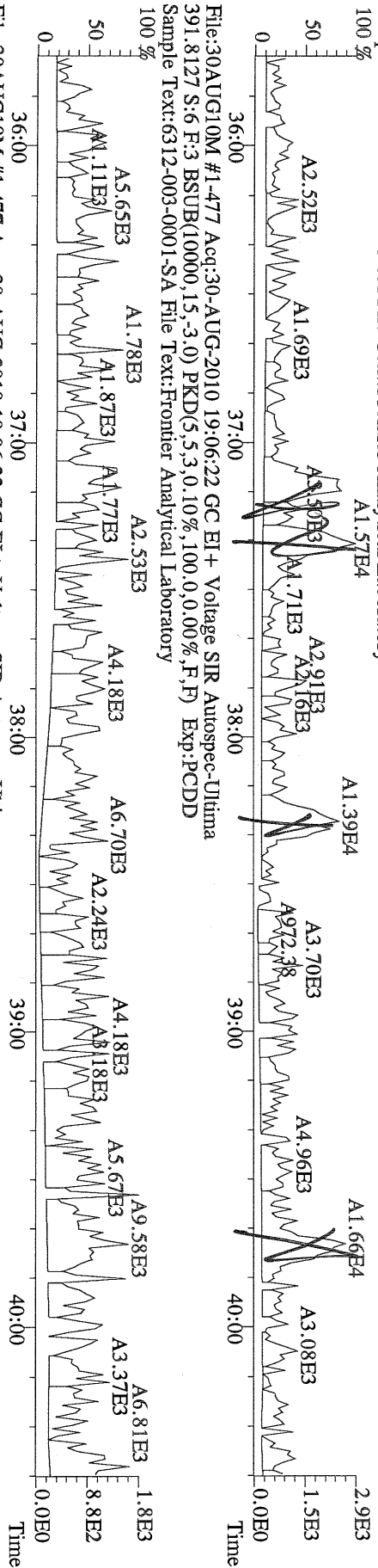
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 369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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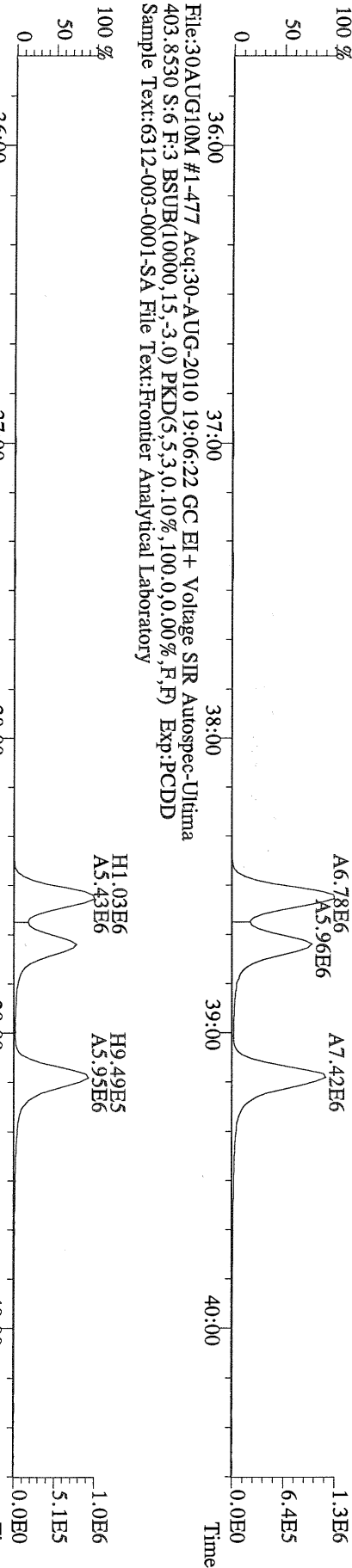
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 366.9792 S:6 F:2 Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



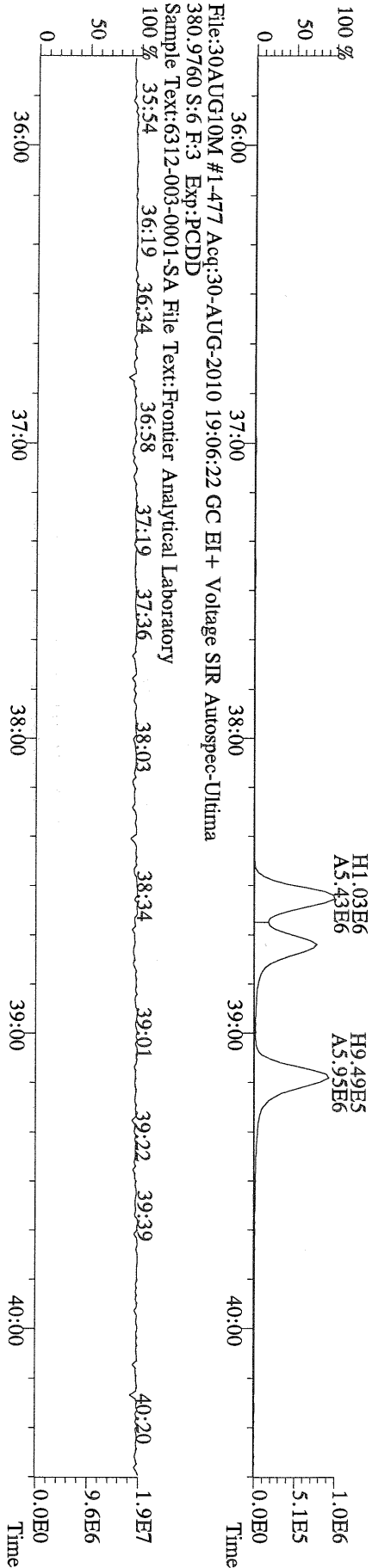
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 389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



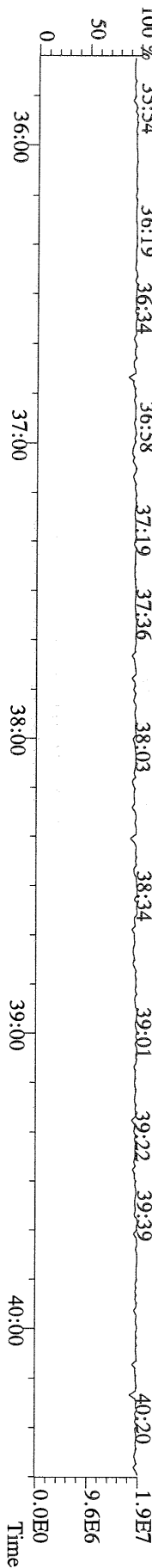
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



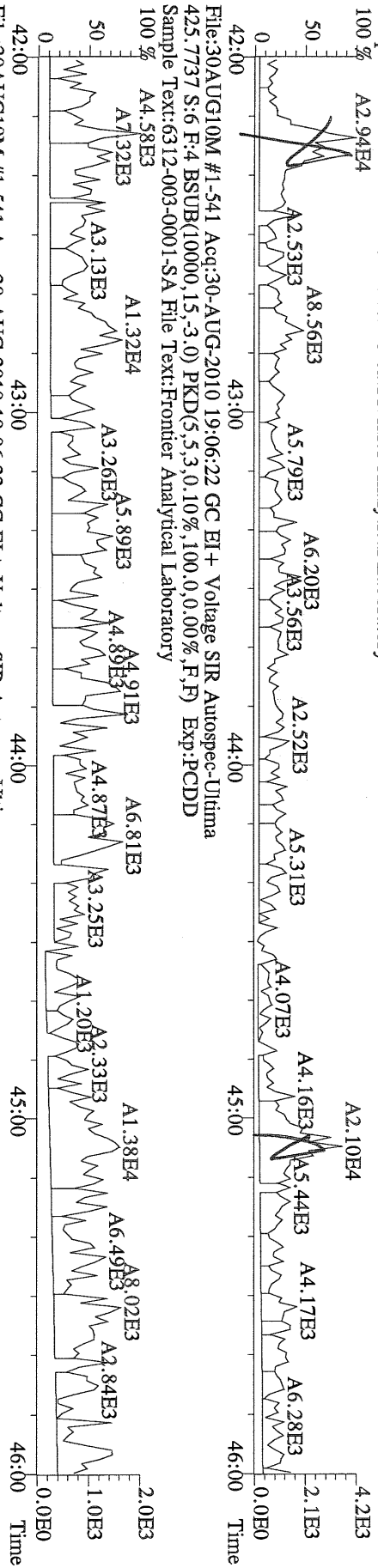
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 403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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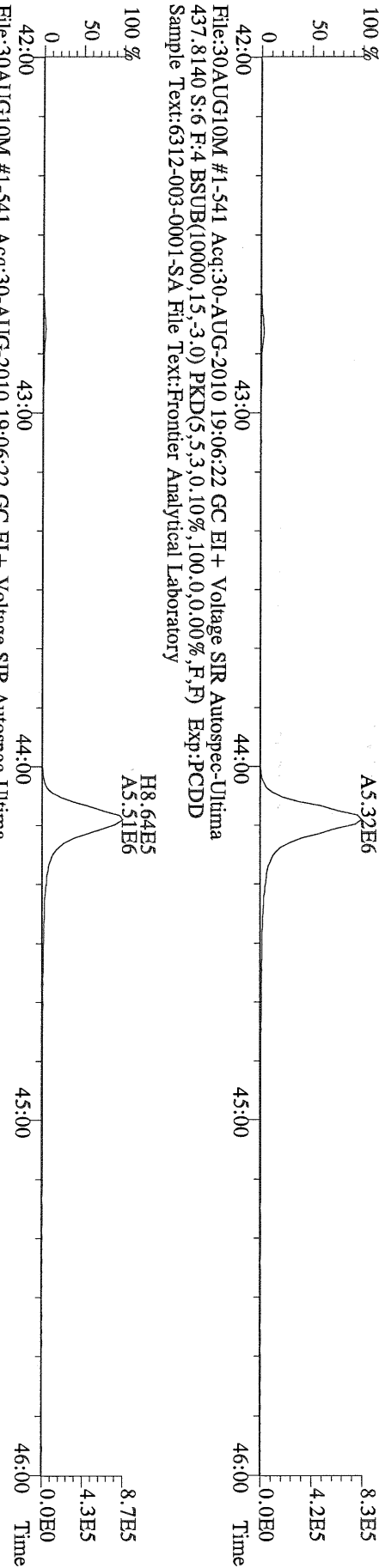
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 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



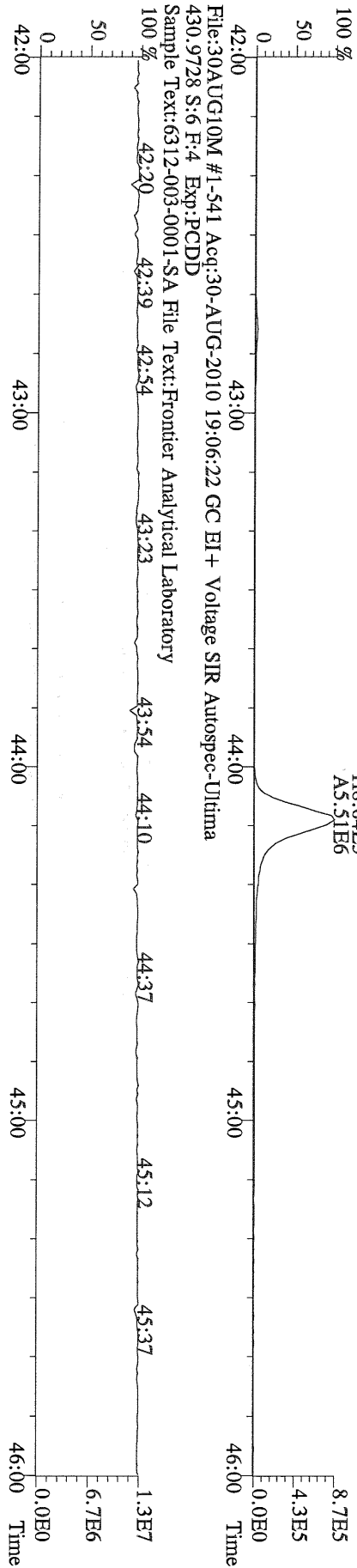
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



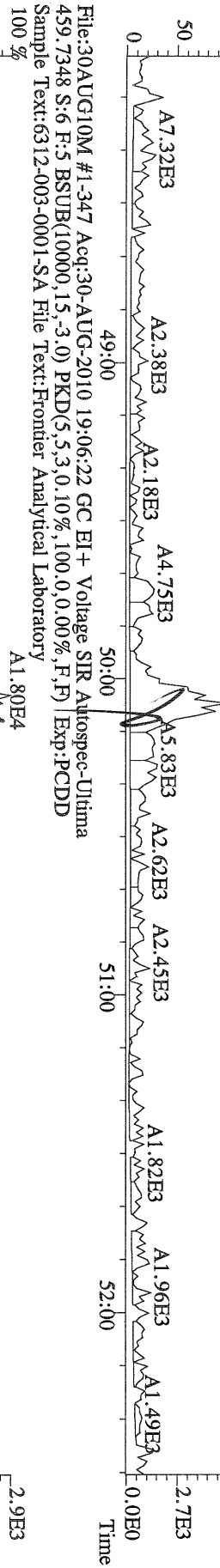
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 435.8169 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



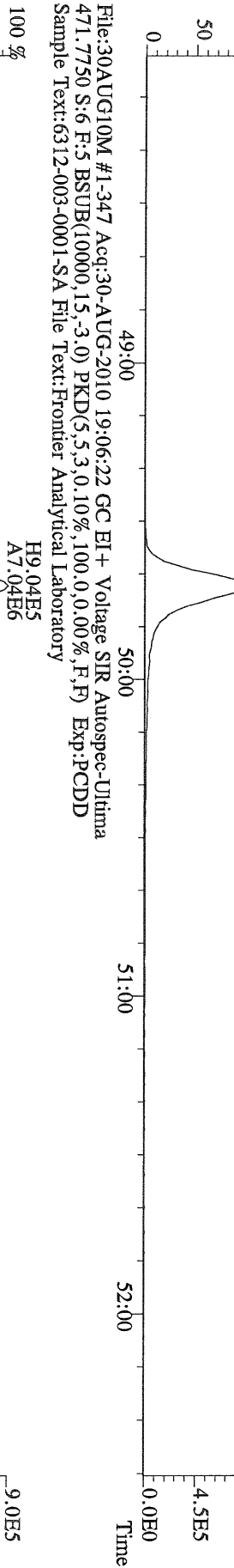
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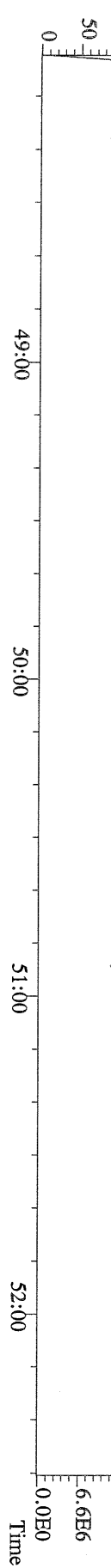
File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



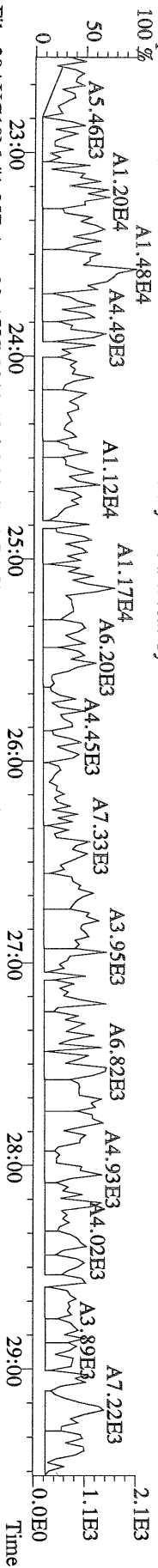
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 469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



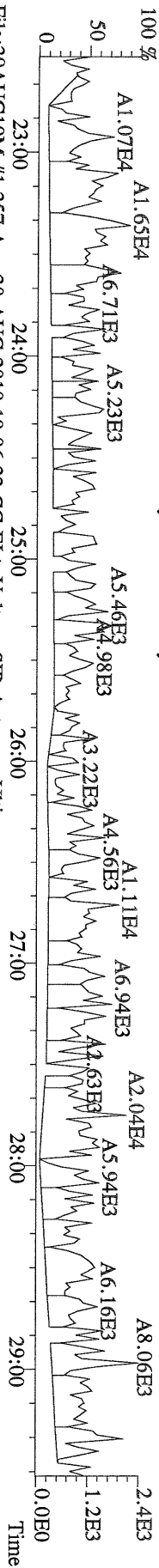
File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 454.9728 S:6 F:5 Exp.:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



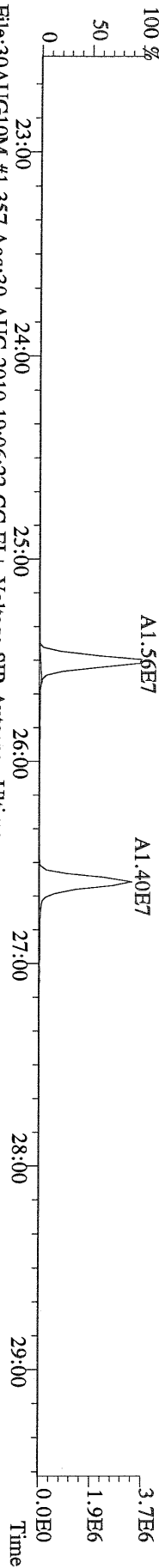
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



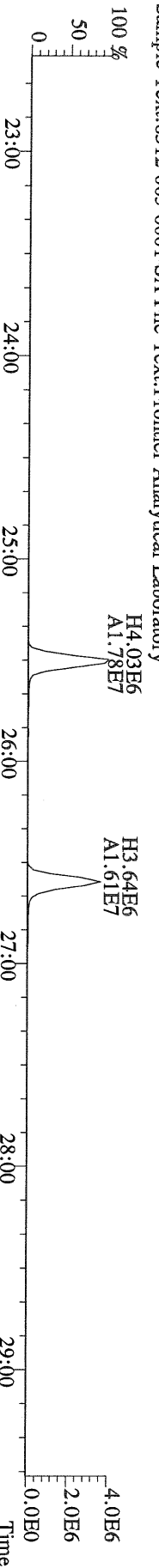
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



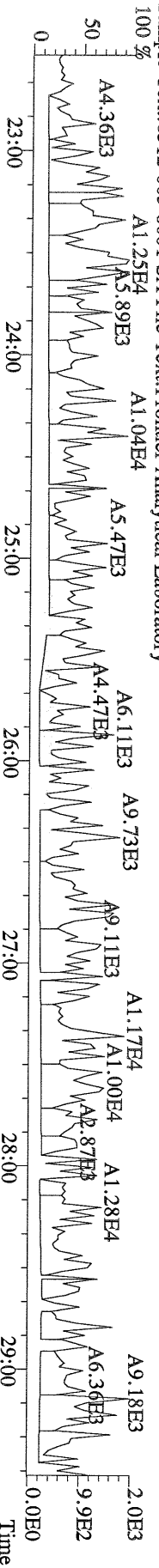
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



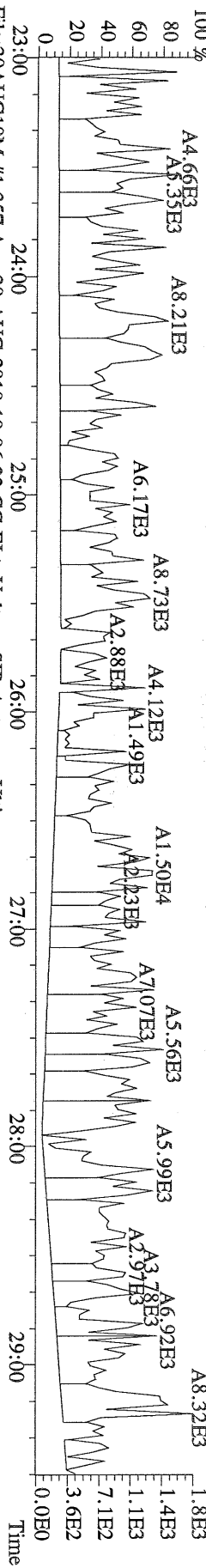
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



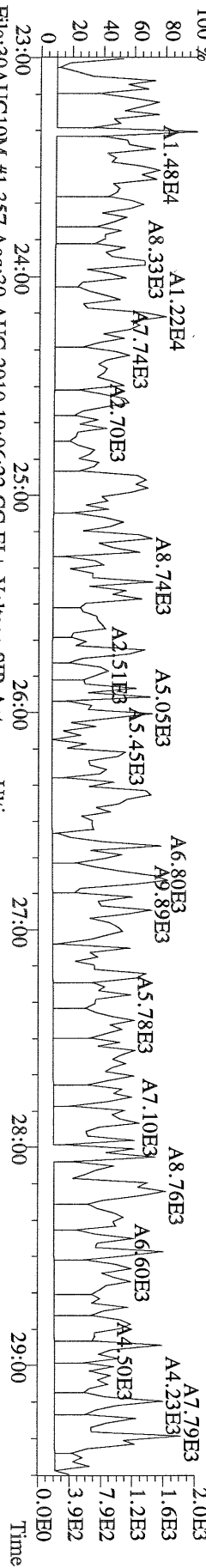
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



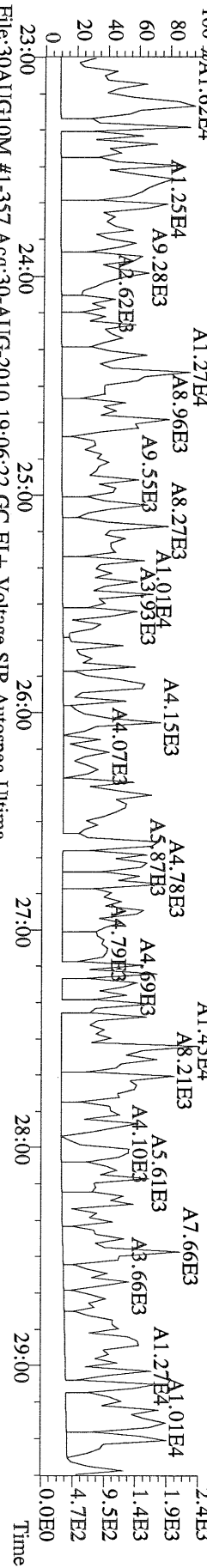
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



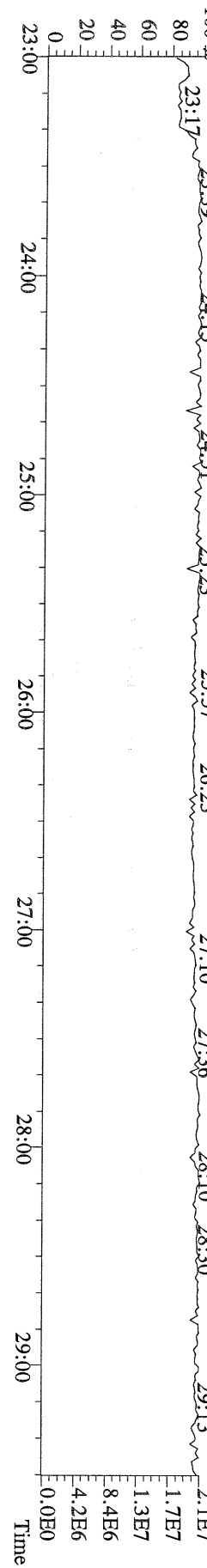
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



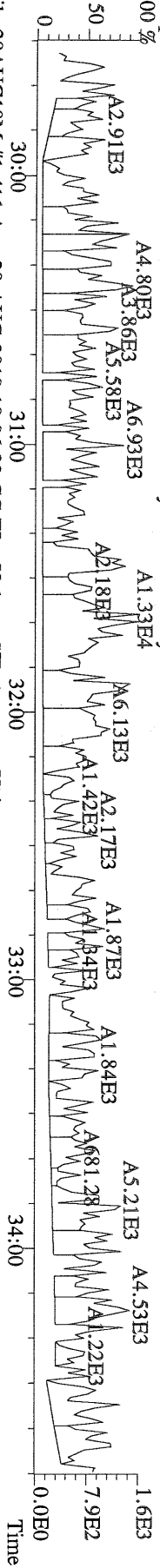
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



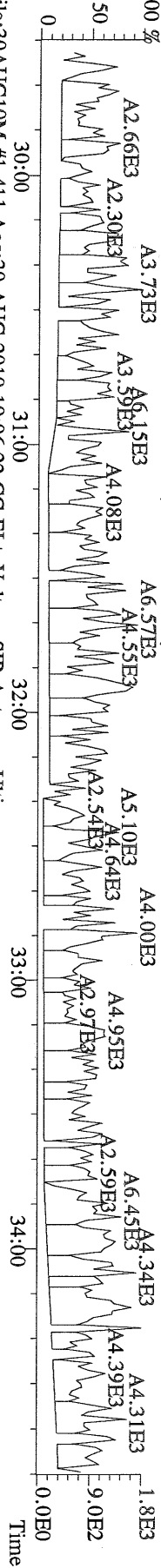
File:30AUG10M #1-357 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 330.9792 S:6 Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



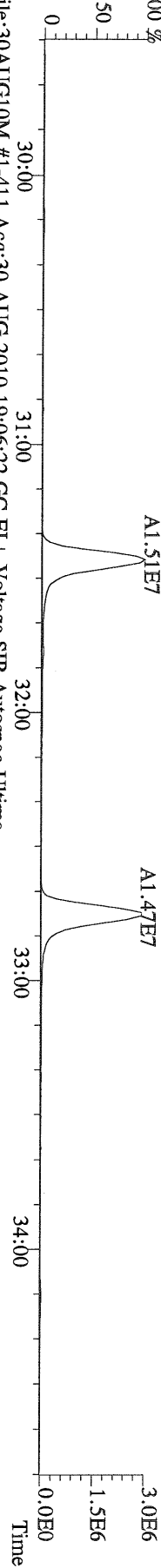
File:30AUG10M #1-411 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



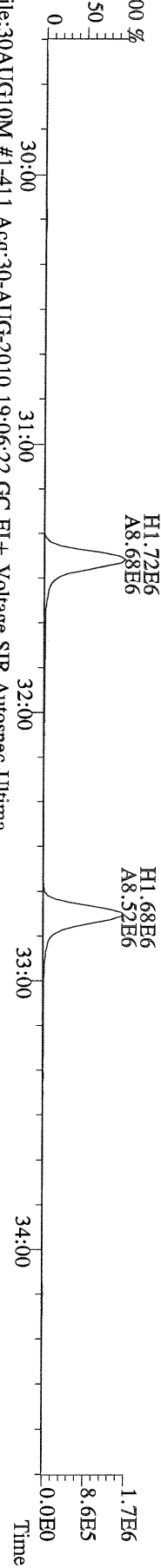
File:30AUG10M #1-411 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



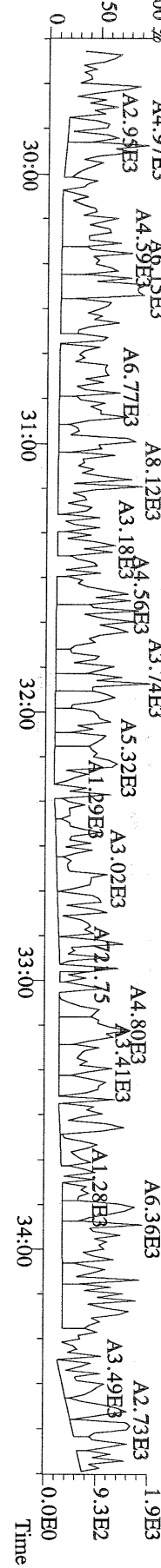
File:30AUG10M #1-411 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



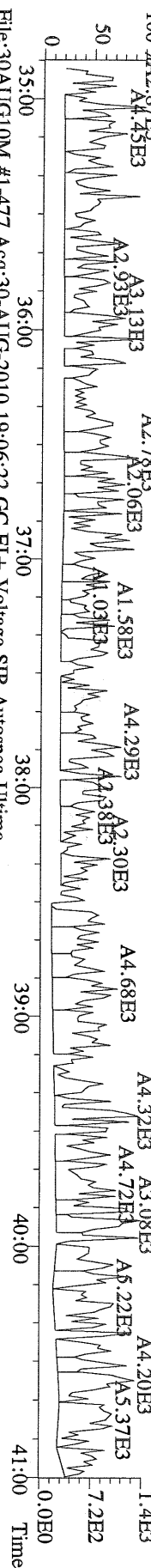
File:30AUG10M #1-411 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



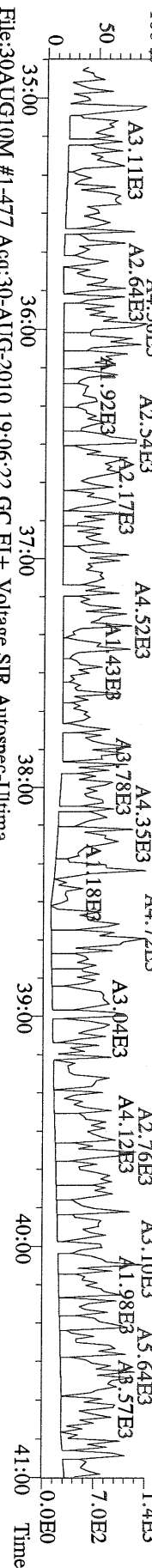
File:30AUG10M #1-411 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



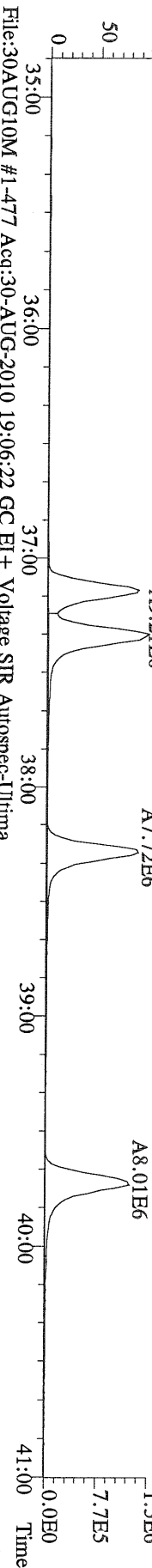
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



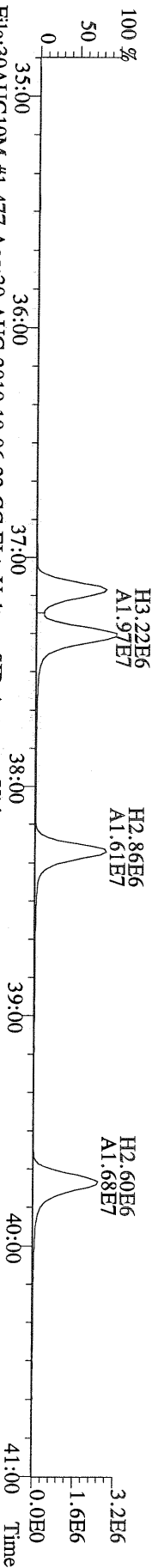
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



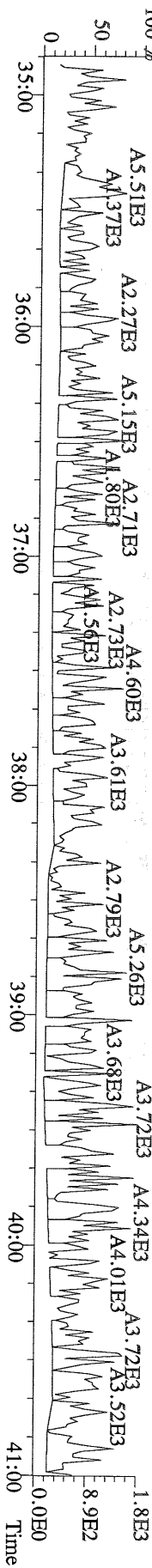
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



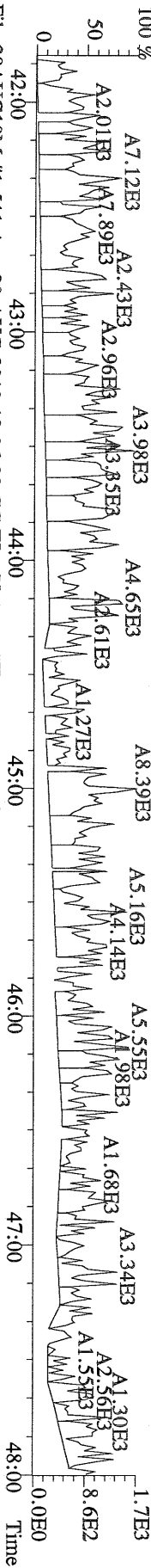
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



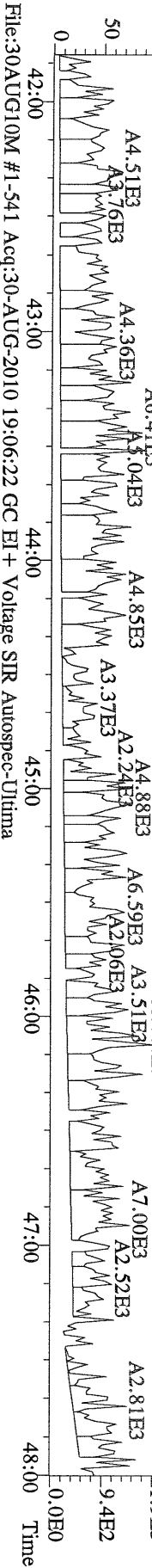
File:30AUG10M #1-477 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



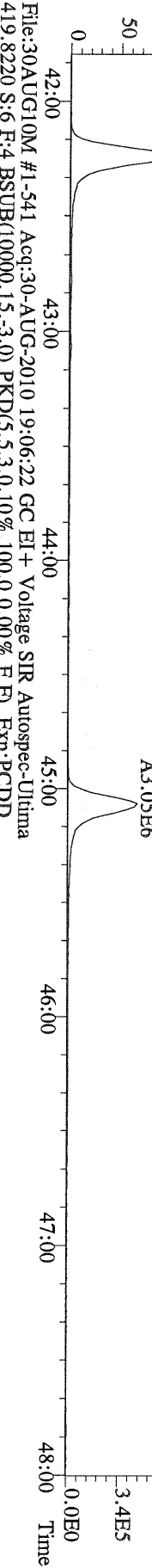
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI + Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



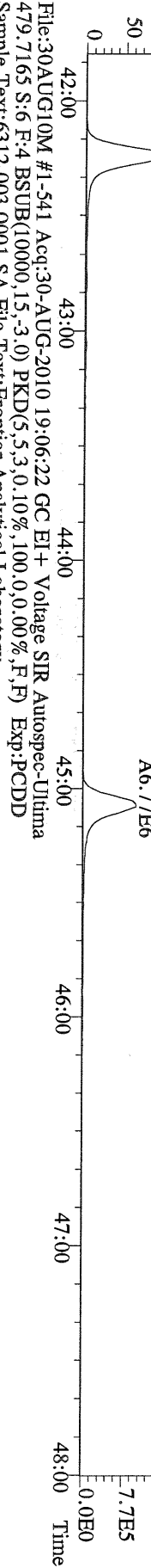
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI + Voltage SIR Autospec-Ultima
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



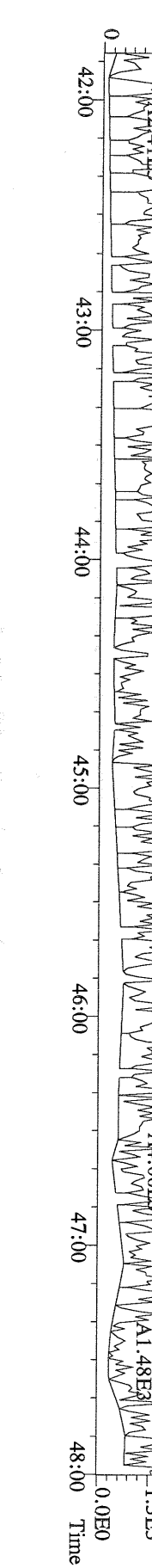
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI + Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



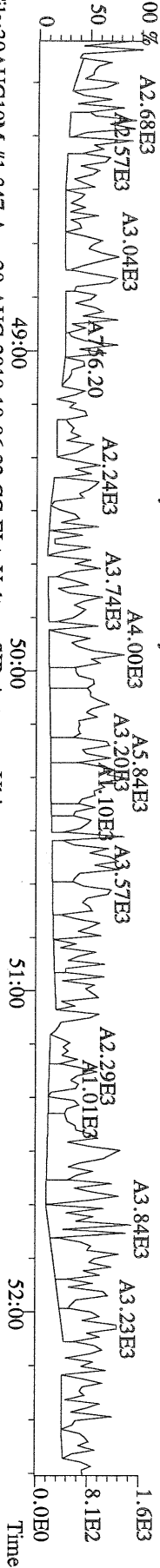
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI + Voltage SIR Autospec-Ultima
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



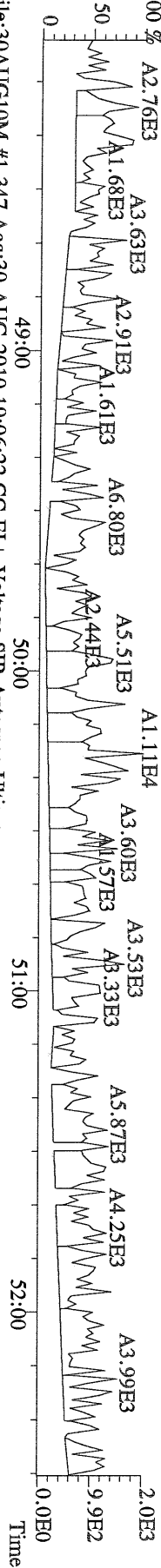
File:30AUG10M #1-541 Acq:30-AUG-2010 19:06:22 GC EI + Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



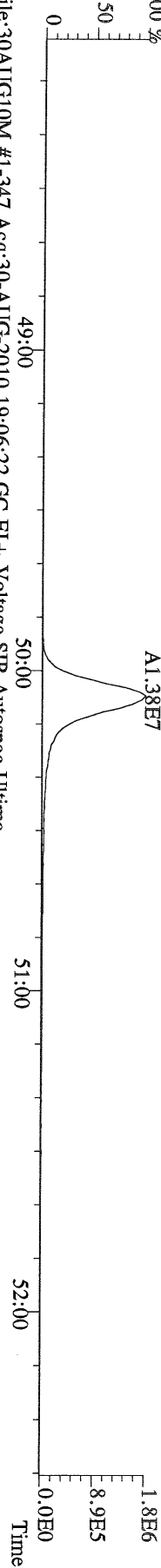
File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



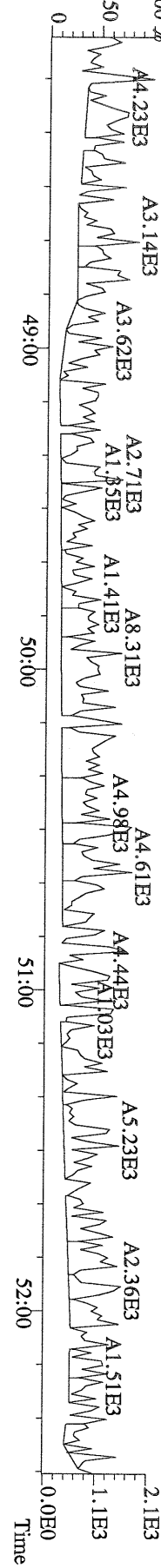
File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory




File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-347 Acq:30-AUG-2010 19:06:22 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-003-0001-SA File Text:Frontier Analytical Laboratory



Name	Resp	RA	RT	RRF	Conc	Qual	Fac	Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	639	640	1.53		
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	865	620	2.41		
1,2,3,4,7,8-HxCDD	3.54e+04	1.28 y	38:35	1.37	4.50	J	2.50	-	-	*		
1,2,3,6,7,8-HxCDD	1.13e+05	1.31 y	38:43	1.37	15.9	J	2.50	-	-	*		
1,2,3,7,8,9-HxCDD	5.64e+04	1.35 y	39:11	1.36	7.59	J	2.50	-	-	*		
1,2,3,4,6,7,8-HpCDD	5.64e+06	0.89 y	44:10	1.45	708		2.50	-	-	*		
OCDD	6.32e+07	0.98 y	49:44	1.43	11700		2.50	-	-	*		
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	698	1080	0.924		
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	1470	1140	2.99		
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	1470	1140	3.15		
1,2,3,4,7,8-HxCDF	2.95e+04	1.06 y	37:10	0.93	2.98	J	2.50	-	-	*		
1,2,3,6,7,8-HxCDF	5.35e+04	1.30 y	37:21	0.82	4.72	J	2.50	-	-	*		
2,3,4,6,7,8-HxCDF	1.15e+05	1.22 y	38:20	0.92	11.1	J	2.50	-	-	*		
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	1100	828	2.57		
1,2,3,4,6,7,8-HpCDF	6.48e+05	1.03 y	42:15	1.39	71.6		2.50	-	-	*		
1,2,3,4,7,8,9-HpCDF	4.41e+04	0.97 y	45:06	1.36	6.50	J	2.50	-	-	*		
OCDF	1.56e+06	0.90 y	50:06	0.79	281		2.50	-	-	*		
13C-2,3,7,8-TCDD	1.65e+07	0.84 y	27:21	1.02	1620						82.8	
13C-1,2,3,7,8-PeCDD	1.42e+07	1.74 y	33:10	0.84	1710						87.2	
13C-1,2,3,4,7,8-HxCDD	1.12e+07	1.26 y	38:32	1.07	1570						79.9	
13C-1,2,3,6,7,8-HxCDD	1.02e+07	1.24 y	38:42	1.01	1500						76.8	
13C-1,2,3,4,6,7,8-HpCDD	1.08e+07	0.97 y	44:09	0.86	1880						96.1	
13C-OCDD	1.47e+07	1.01 y	49:43	0.55	4030						103	
13C-2,3,7,8-TCDF	2.80e+07	0.86 y	26:36	0.99	1690						86.3	
13C-1,2,3,7,8-PeCDF	2.23e+07	1.74 y	31:26	0.84	1600						81.6	
13C-2,3,4,7,8-PeCDF	2.17e+07	1.75 y	32:45	0.81	1600						81.9	
13C-1,2,3,4,7,8-HxCDF	2.09e+07	0.48 y	37:09	1.85	1690						86.5	
13C-1,2,3,6,7,8-HxCDF	2.70e+07	0.49 y	37:21	2.54	1600						81.6	
13C-2,3,4,6,7,8-HxCDF	2.21e+07	0.50 y	38:17	2.01	1650						84.0	
13C-1,2,3,7,8,9-HxCDF	2.39e+07	0.49 y	39:43	2.03	1760						90.0	
13C-1,2,3,4,6,7,8-HpCDF	1.27e+07	0.45 y	42:15	1.11	1720						87.9	
13C-1,2,3,4,7,8,9-HpCDF	9.79e+06	0.44 y	45:04	0.80	1820						93.2	
13C-OCDF	2.78e+07	1.00 y	50:05	1.08	3850						98.2	
37Cl-2,3,7,8-TCDD	4.67e+06		27:22	0.69	687						87.6	
13C-1,2,3,4-TCDD	1.94e+07	0.85 y	26:46	-	42.3							
13C-1,2,3,4-TCDF	3.26e+07	0.87 y	25:30	-	44.1							
13C-1,2,3,7,8,9-HxCDD	1.31e+07	1.23 y	39:09	-	46.4							
Total Tetra-Dioxins	5.65e+04		24:22	1.11	6.06		2.50	-	-	*		2
Total Penta-Dioxins	8.53e+05		30:11	1.10	107		2.50	-	-	*		5
Total Hexa-Dioxins	2.55e+06		36:06	1.37	341		2.50	-	-	*		6
Total Hepta-Dioxins	1.34e+07		42:47	1.45	1680		2.50	-	-	*		2
Total Tetra-Furans	1.14e+07		23:47	1.50	531	D,M	2.50	-	-	*		12
1st Fn. Tot Penta-Furans	1.34e+05		28:25	0.94	12.7	D,M	2.50	-	-	*	PeCDF	1
Total Penta-Furans	1.53e+07		30:13	0.94	1450	D,M	2.50	-	-	*	1460	8
Total Hexa-Furans	1.44e+06		35:14	0.91	133	D,M	2.50	-	-	*		10
Total Hepta-Furans	2.18e+06		42:15	1.38	266		2.50	-	-	*		4

Analyst:  Date: 8/31/10

Totals class: Total Tetra-Dioxins

Entry #: 38

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 1

Acquired: 30-AUG-10 20:01:44

Total Concentration: 6.06

Unnamed Concentration: 6.056

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
24:22	1.07e+04	1.46e+04	0.73 y	2.52e+04	2.70	
25:55	1.33e+04	1.80e+04	0.74 y	3.13e+04	3.36	

Totals class: Total Penta-Dioxins

Entry #: 39

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 2

Acquired: 30-AUG-10 20:01:44

Total Concentration: 107

Unnamed Concentration: 106.517

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:11	2.92e+05	2.01e+05	1.46 y	4.92e+05	61.5	
31:26	5.67e+04	4.00e+04	1.42 y	9.66e+04	12.1	
31:40	3.98e+04	2.84e+04	1.40 y	6.83e+04	8.52	
31:49	3.32e+04	2.36e+04	1.41 y	5.68e+04	7.09	
32:06	8.08e+04	5.85e+04	1.38 y	1.39e+05	17.4	

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 3

Acquired: 30-AUG-10 20:01:44

Total Concentration: 341

Unnamed Concentration: 313.508

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:06	6.48e+05	4.80e+05	1.35 y	1.13e+06	151	
37:01	4.76e+04	3.43e+04	1.39 y	8.19e+04	11.0	
37:26	6.60e+05	4.72e+05	1.40 y	1.13e+06	152	
38:35	1.99e+04	1.55e+04	1.28 y	3.54e+04	4.50	1,2,3,4,7,8-HxCDD
38:43	6.40e+04	4.90e+04	1.31 y	1.13e+05	15.9	1,2,3,6,7,8-HxCDD
39:11	3.24e+04	2.39e+04	1.35 y	5.64e+04	7.59	1,2,3,7,8,9-HxCDD

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 4

Acquired: 30-AUG-10 20:01:44

Total Concentration: 1680

Unnamed Concentration: 970.142

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	3.64e+06	4.09e+06	0.89 y	7.73e+06	970	
44:10	2.66e+06	2.99e+06	0.89 y	5.64e+06	708	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 1

Acquired: 30-AUG-10 20:01:44

Total Concentration: 531

Unnamed Concentration: 530.913

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
23:47	1.96e+04	2.85e+04	0.69 y	4.81e+04	2.24	
24:10	4.57e+04	6.01e+04	0.76 y	1.06e+05	4.93	
24:23	9.09e+04	1.30e+05	0.70 y	2.21e+05	10.3	
25:33	2.63e+05	3.97e+05	0.66 y	6.60e+05	30.8	
25:46	3.83e+06	6.19e+06	0.62 n	8.80e+06	410	
26:07	2.95e+04	3.67e+04	0.80 y	6.62e+04	3.09	
26:58	8.82e+04	1.32e+05	0.67 y	2.20e+05	10.3	
27:09	3.08e+04	4.36e+04	0.71 y	7.44e+04	3.47	
27:20	1.38e+05	2.02e+05	0.68 y	3.40e+05	15.8	
27:33	8.22e+04	1.15e+05	0.72 y	1.97e+05	9.19	
27:49	1.49e+05	2.22e+05	0.67 y	3.71e+05	17.3	
28:02	1.19e+05	1.71e+05	0.69 y	2.89e+05	13.5	

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

Run: 14 File: 30AUG10M S: 7 I: 1 F: 1
Acquired: 30-AUG-10 20:01:44

Total Concentration: 12.7 Unnamed Concentration: 12.700

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
28:25	8.26e+04	5.12e+04	1.61 y	1.34e+05	12.7	

Totals class: Total Penta-Furans

Entry #: 44

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 2

Acquired: 30-AUG-10 20:01:44

Total Concentration: 1450

Unnamed Concentration: 1451.751

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
30:13	4.90e+04	3.12e+04	1.57 y	8.02e+04	7.61	
30:39	5.12e+04	3.08e+04	1.66 y	8.20e+04	7.78	
31:03	1.02e+06	6.56e+05	1.56 y	1.68e+06	159	
31:18	7.10e+06	4.45e+06	1.59 y	1.16e+07	1100	
31:42	1.47e+05	1.05e+05	1.40 y	2.53e+05	24.0	
32:02	3.96e+04	2.56e+04	1.55 y	6.52e+04	6.19	
32:39	9.45e+05	5.91e+05	1.60 y	1.54e+06	146	
34:05	2.91e+04	1.84e+04	1.58 y	4.76e+04	4.51	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 3

Acquired: 30-AUG-10 20:01:44

Total Concentration: 133

Unnamed Concentration: 113.872

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
35:14	3.32e+04	2.80e+04	1.18 y	6.12e+04	5.60	
35:29	1.03e+05	7.95e+04	1.29 y	1.82e+05	16.7	
35:50	3.47e+04	2.77e+04	1.25 y	6.25e+04	5.72	
36:04	7.37e+04	5.33e+04	1.38 y	1.27e+05	11.6	
36:24	1.71e+05	1.33e+05	1.28 y	3.04e+05	27.8	
37:10	1.52e+04	1.44e+04	1.06 y	2.95e+04	2.98	1,2,3,4,7,8-HxCDF
37:21	3.03e+04	2.32e+04	1.30 y	5.35e+04	4.72	1,2,3,6,7,8-HxCDF
37:50	5.67e+04	4.71e+04	1.21 y	1.04e+05	9.50	
38:04	2.20e+05	1.83e+05	1.20 y	4.03e+05	36.9	
38:20	6.33e+04	5.20e+04	1.22 y	1.15e+05	11.1	2,3,4,6,7,8-HxCDF

Totals class: Total Hepta-Furans

Entry #: 46

Run: 14

File: 30AUG10M

S: 7 I: 1 F: 4

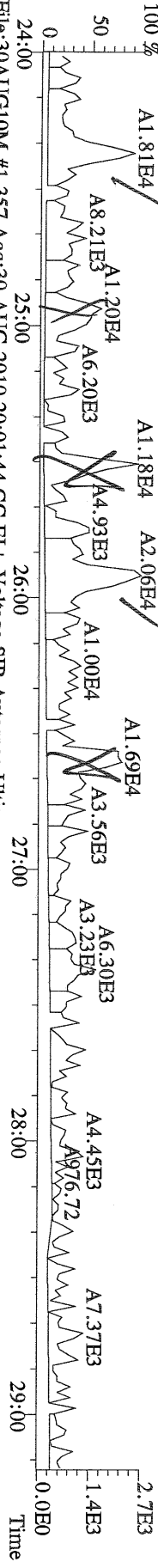
Acquired: 30-AUG-10 20:01:44

Total Concentration: 266

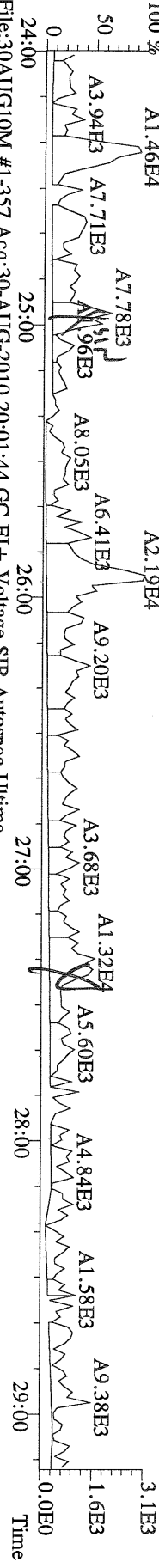
Unnamed Concentration: 188.249

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:15	3.29e+05	3.19e+05	1.03 y	6.48e+05	71.6	1,2,3,4,6,7,8-HpCDF
42:48	1.65e+04	1.66e+04	1.00 y	3.31e+04	4.18	
43:05	7.42e+05	7.15e+05	1.04 y	1.46e+06	184	
45:06	2.17e+04	2.23e+04	0.97 y	4.41e+04	6.50	1,2,3,4,7,8,9-HpCDF

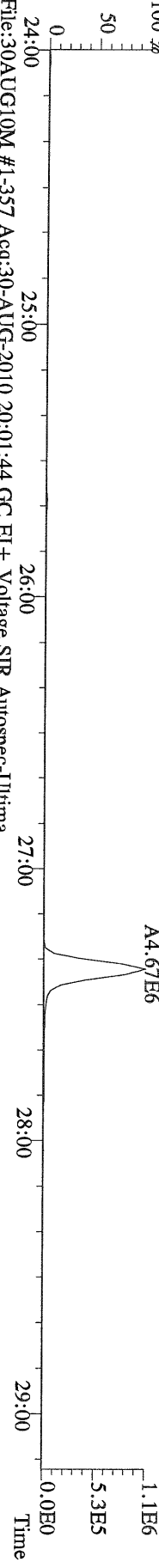
File:30AUG10M #1-357 Acq:30-AUG-2010 20:01:44 GC EI + Voltage SIR Autospec-Ultima
319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



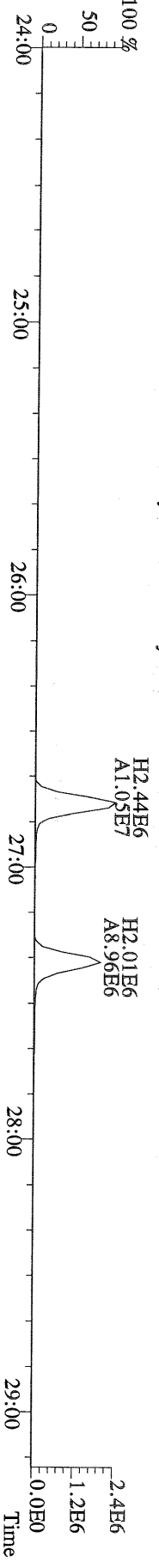
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321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



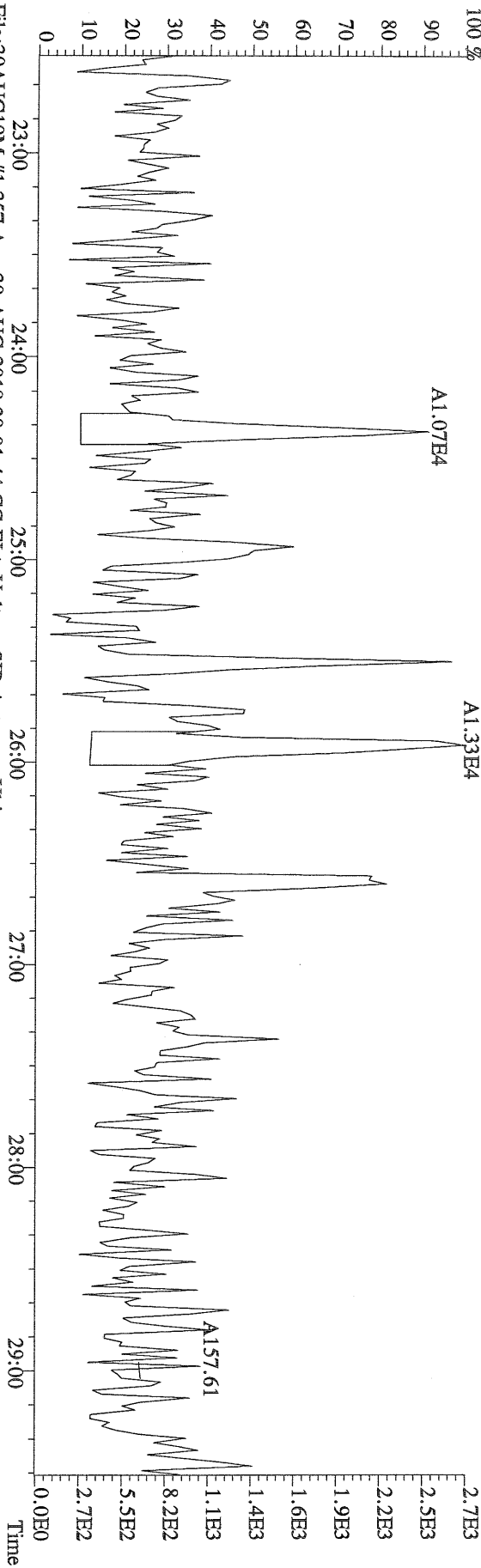
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331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



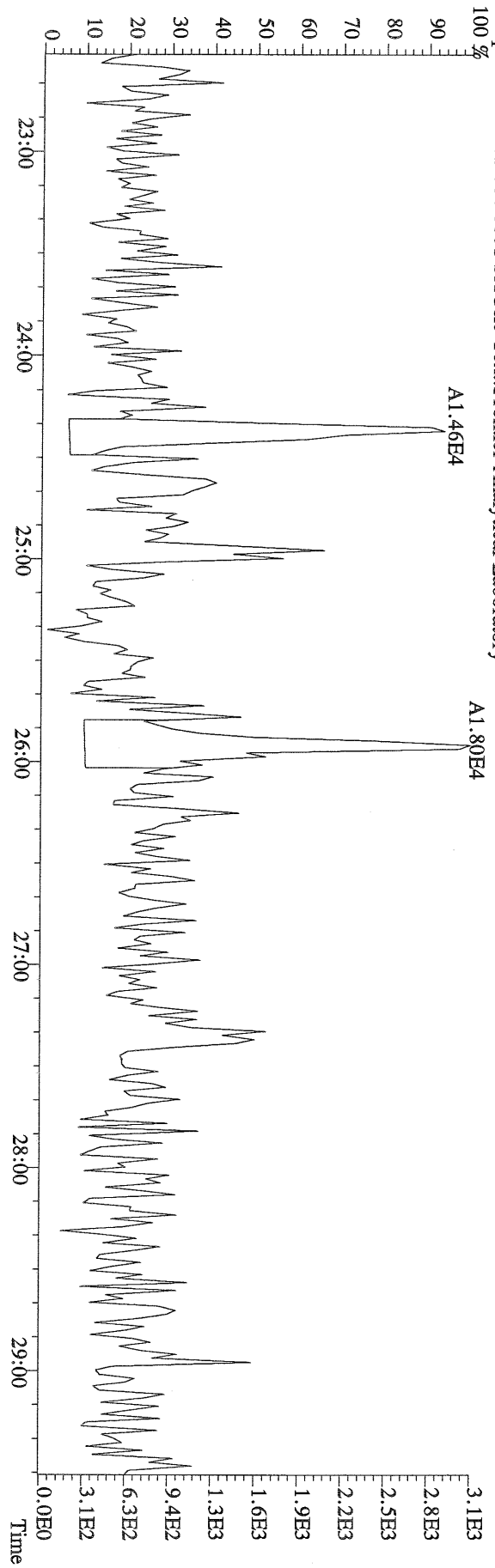
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333.9339 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



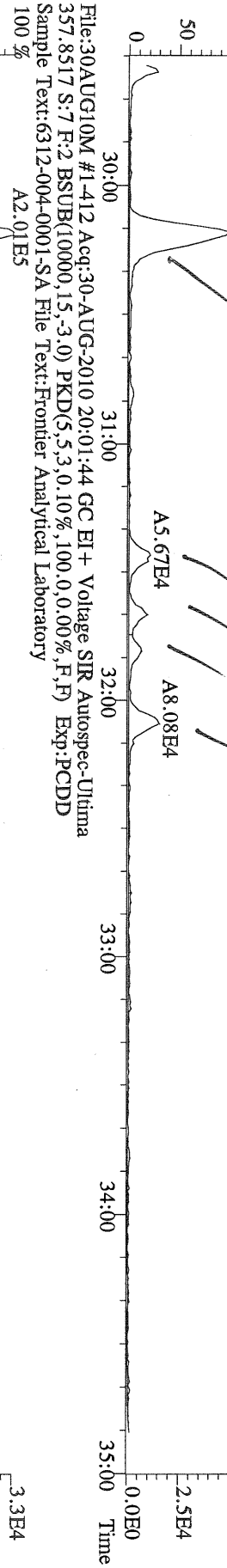
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319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



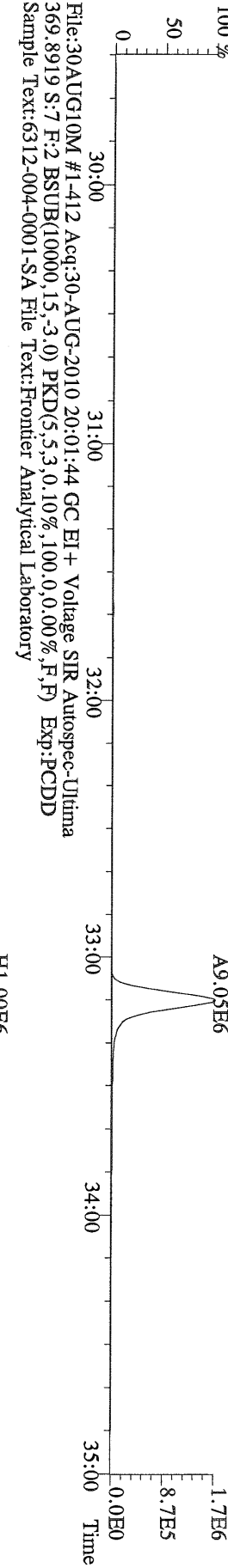
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321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



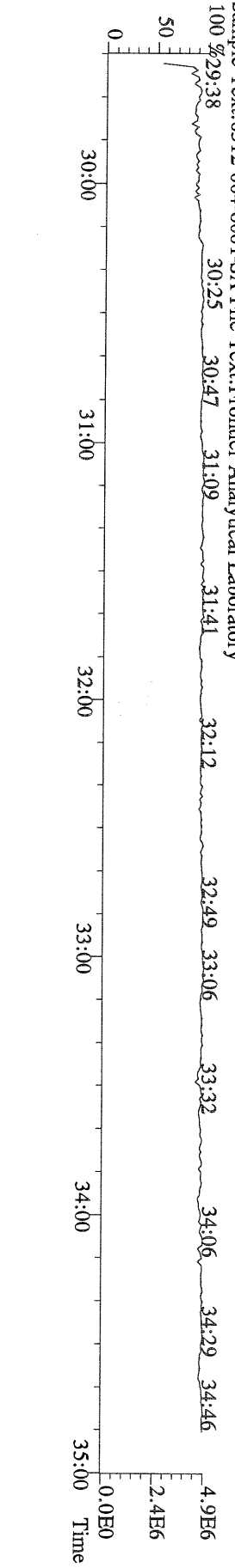
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355.8546 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



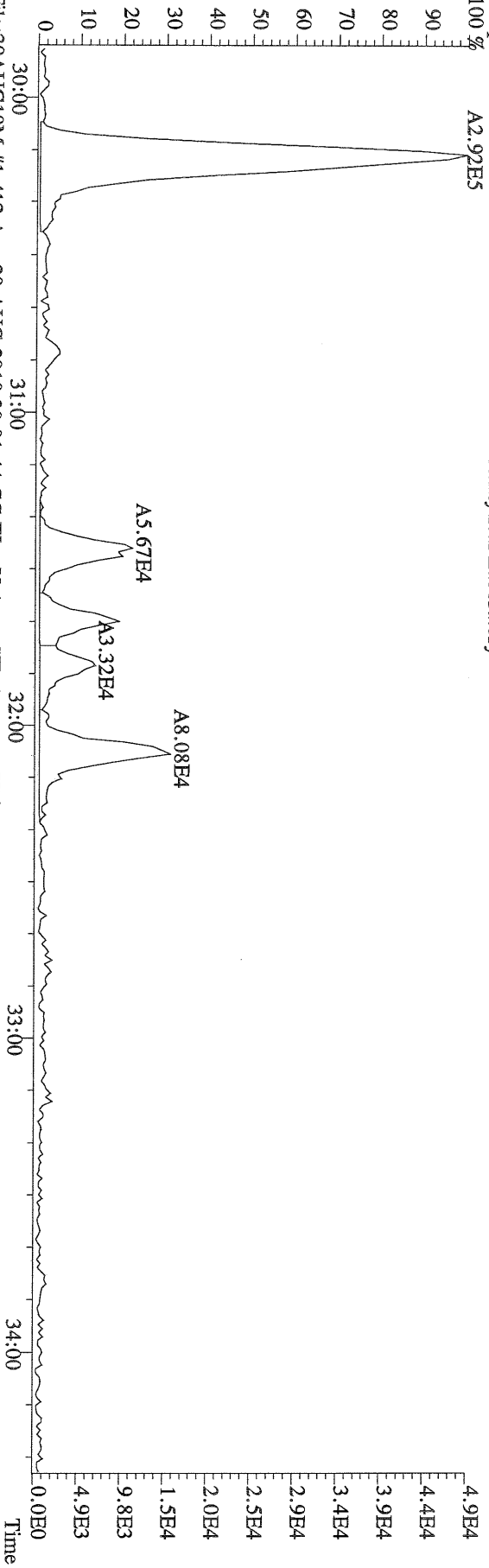
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367.8949 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



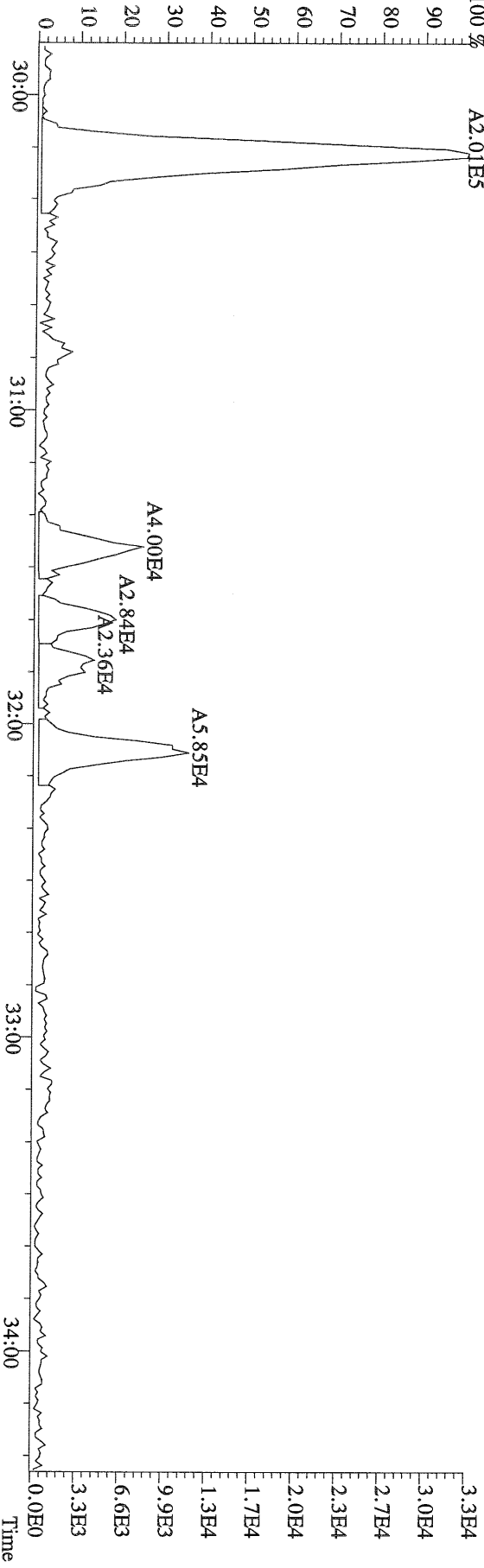
File:30AUG10M #1-412 Acq:30-AUG-2010 20:01:44 GC EI + Voltage SIR Autospec-Utima
366.9792 S:7 F:2 Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



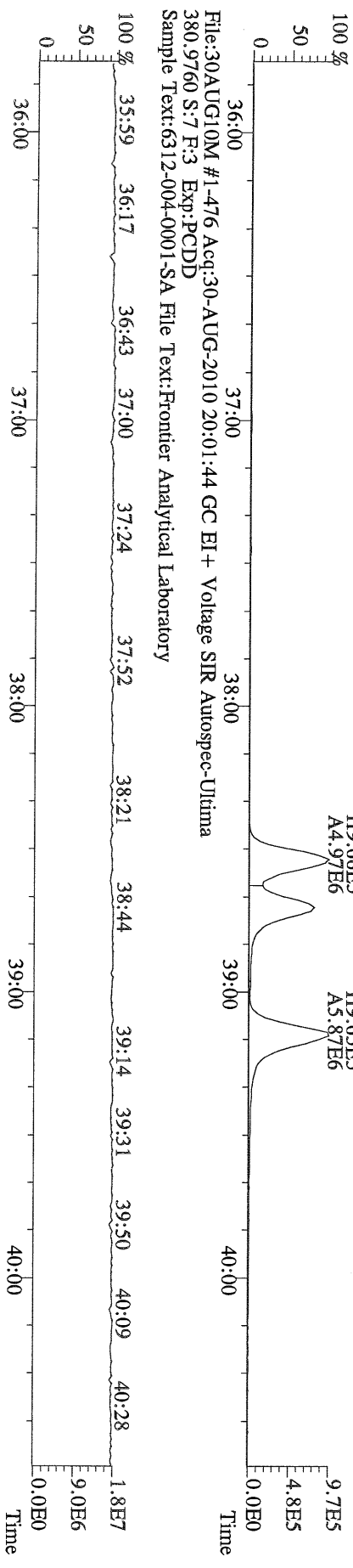
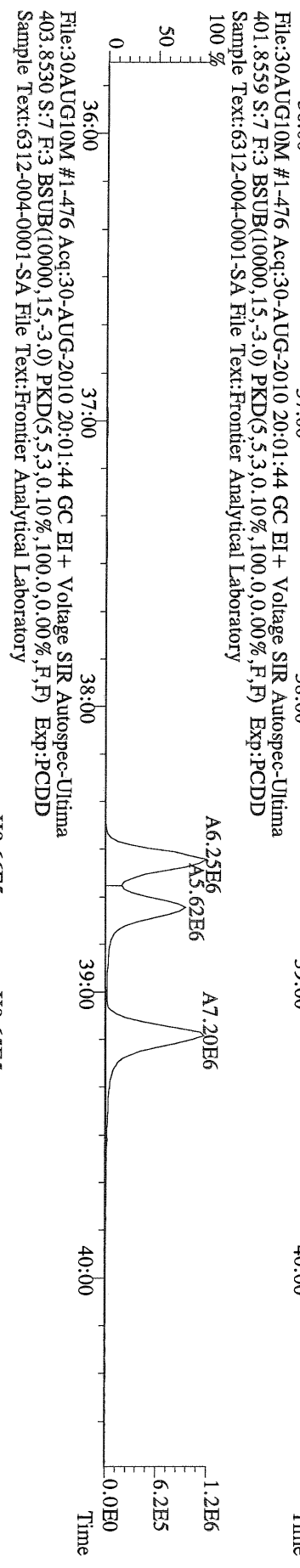
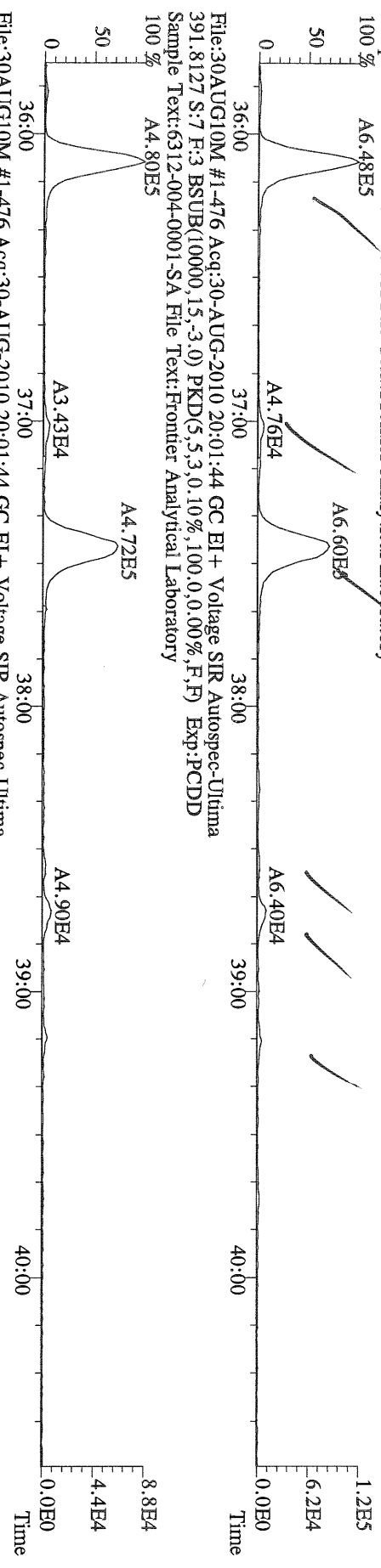
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355.8546 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A2.92E5



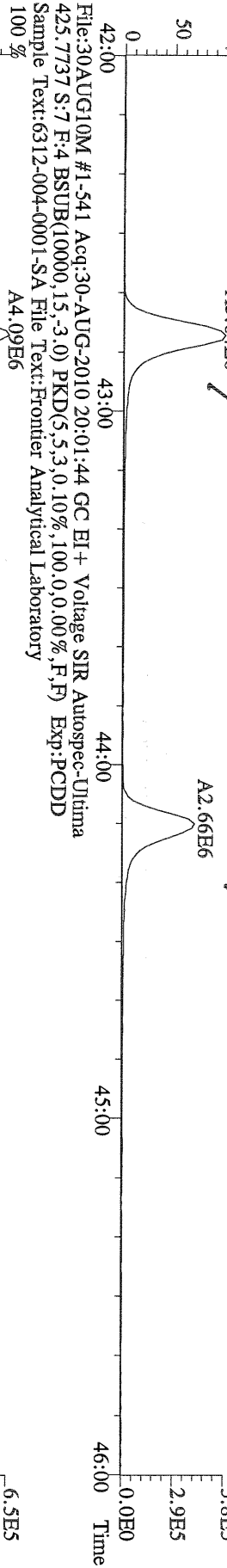
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357.8517 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 % A2.01E5



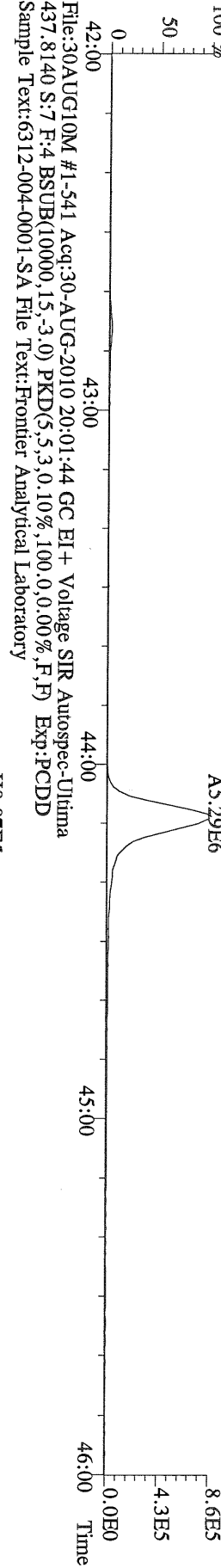
File:30AUG10M #1-476 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



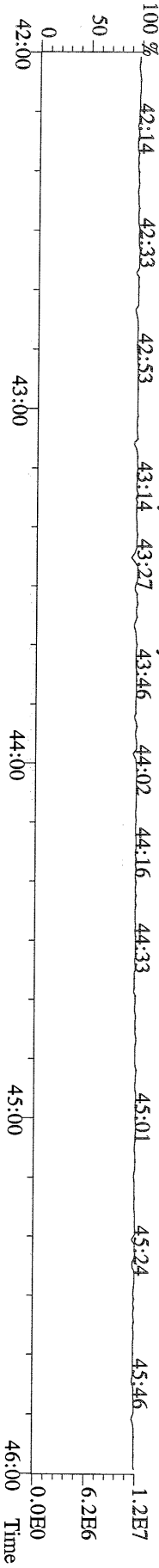
File:30AUG10M #1-541 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



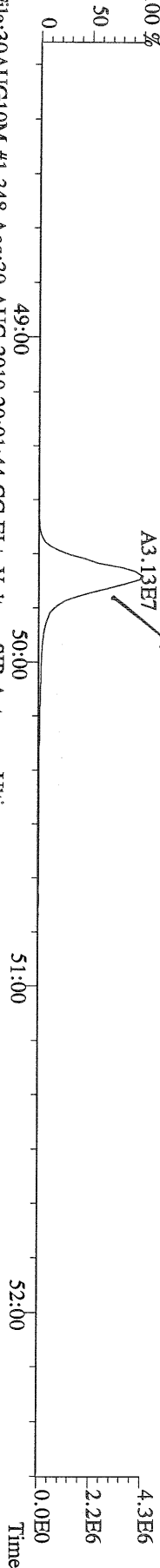
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435.8169 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



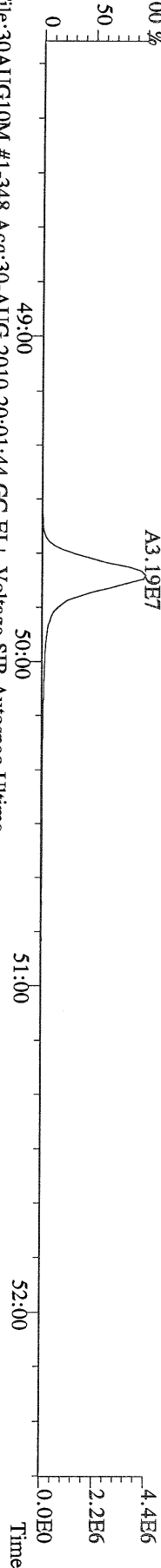
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430.9728 S:7 F:4 Exp.:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory
100 %



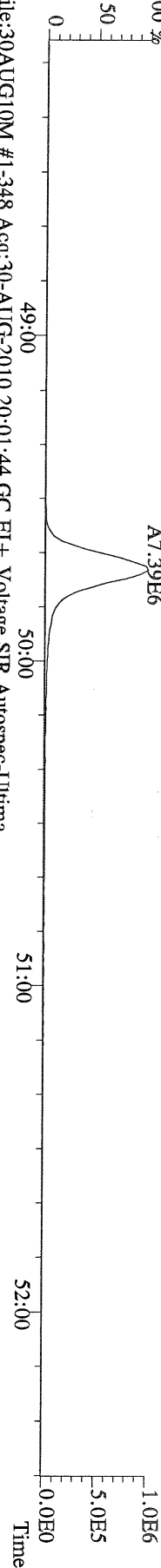
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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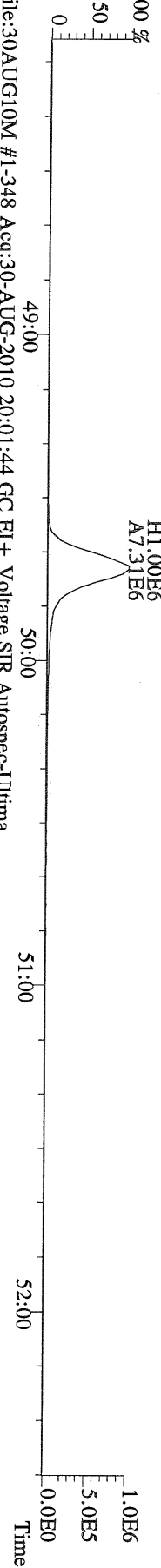
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



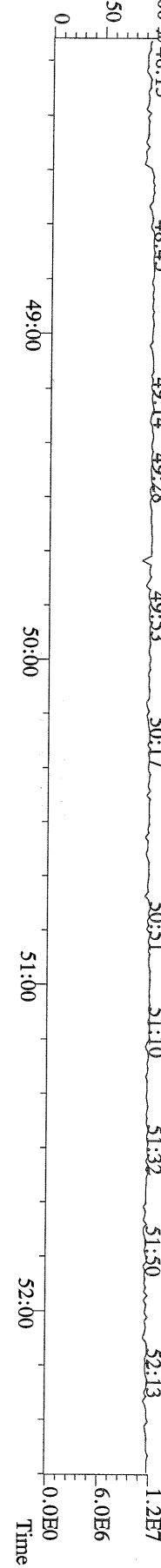
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
469.7780 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



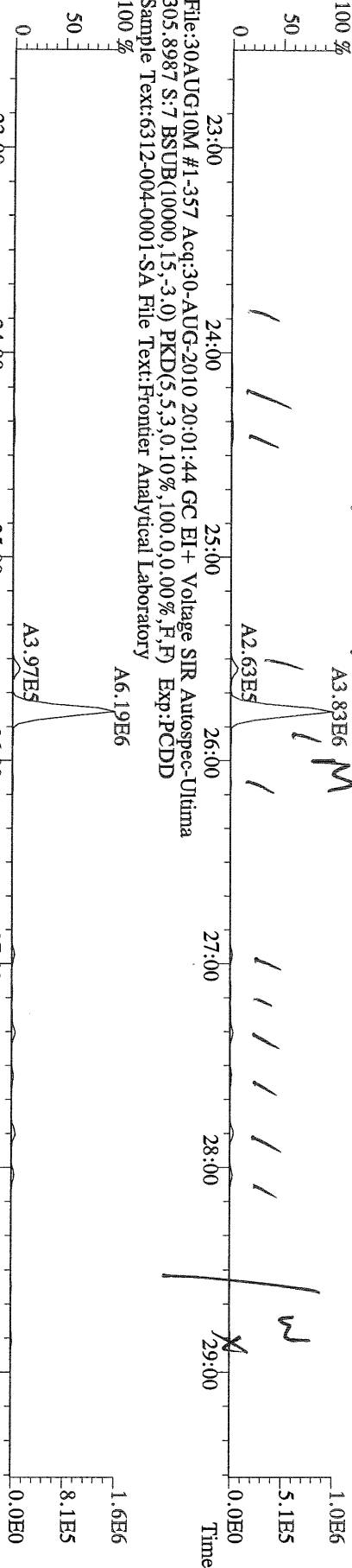
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471.7750 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



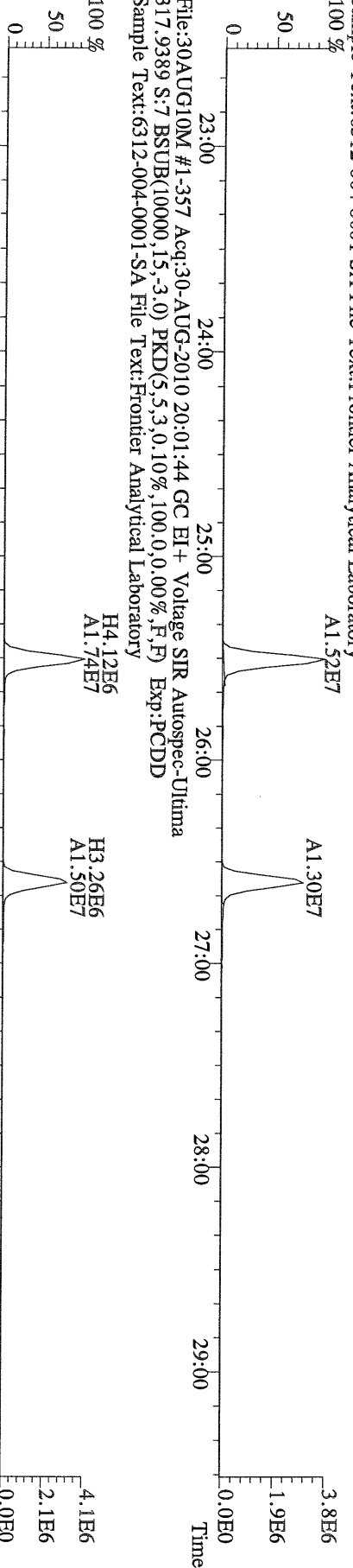
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454.9728 S:7 F:5 Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



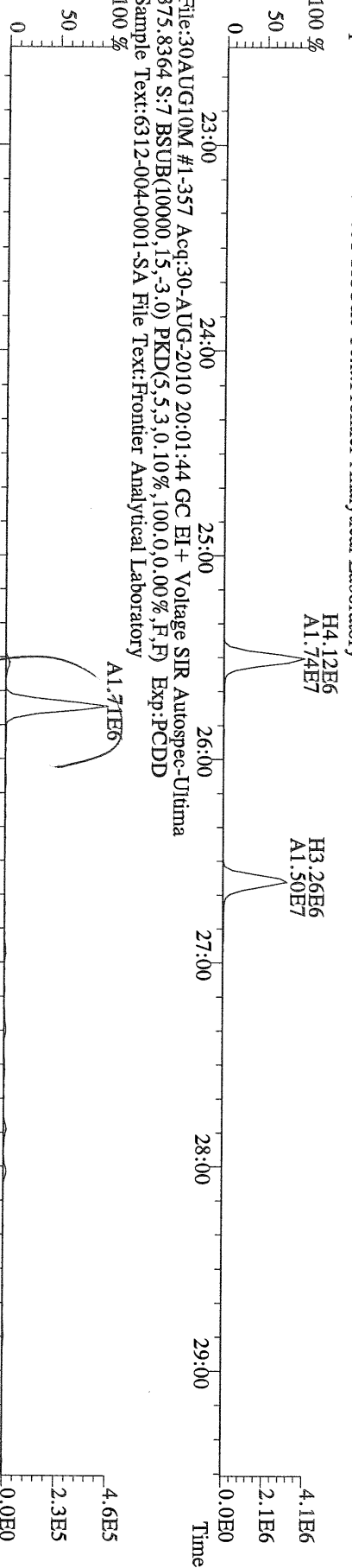
File:30AUG10M #1-357 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



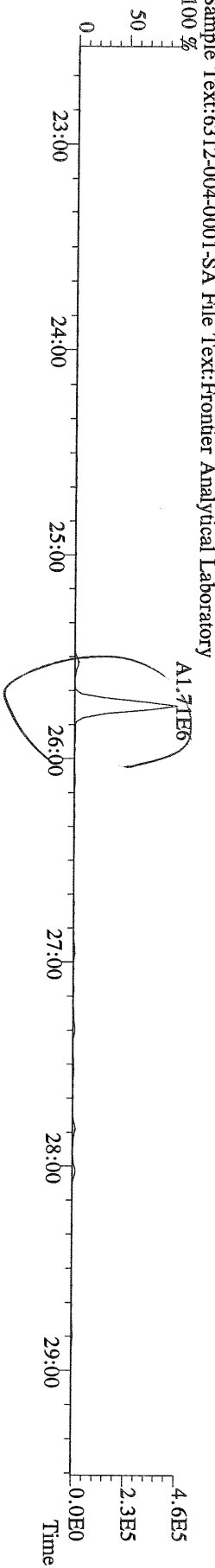
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315.9419 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



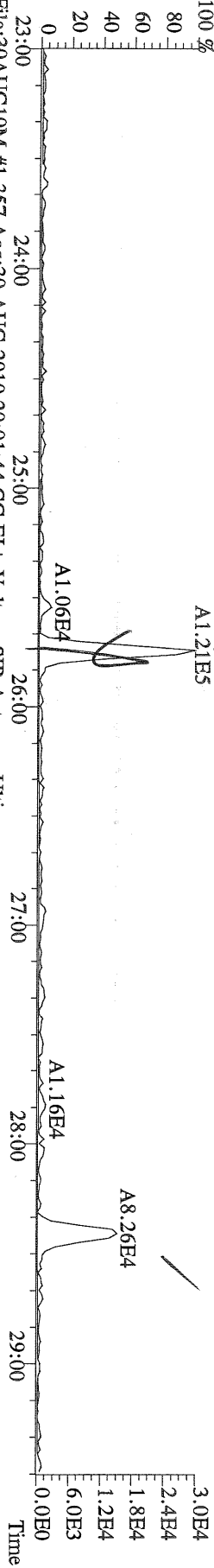
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317.9389 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



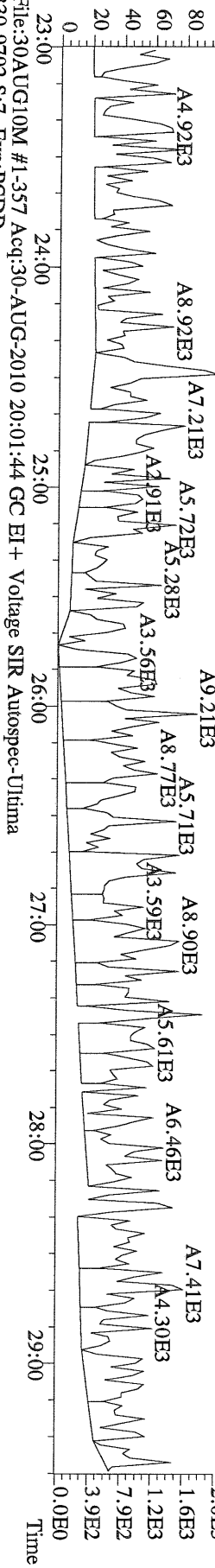
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375.8364 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-357 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



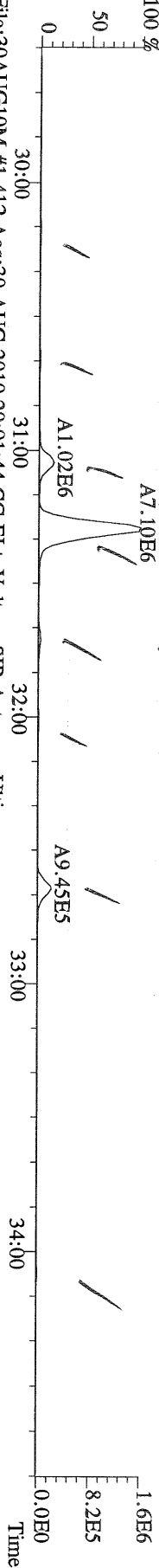
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 341.8568 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



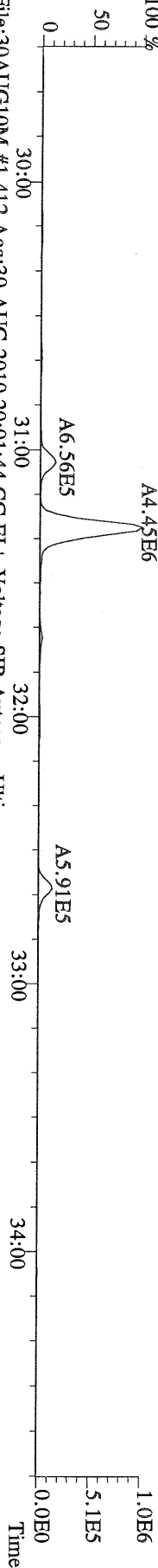
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 330.9792 S:7 Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



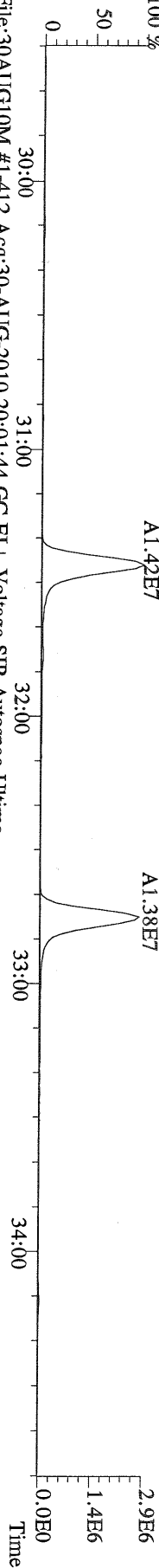
File:30AUG10M #1-412 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



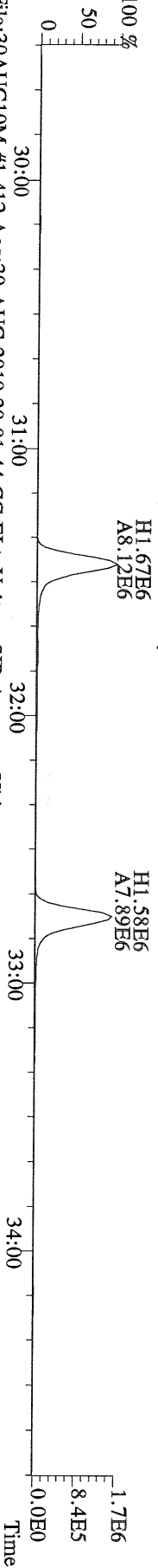
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341.8568 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



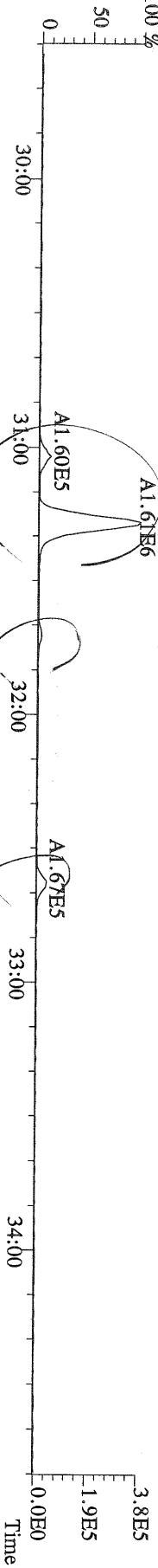
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351.9000 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



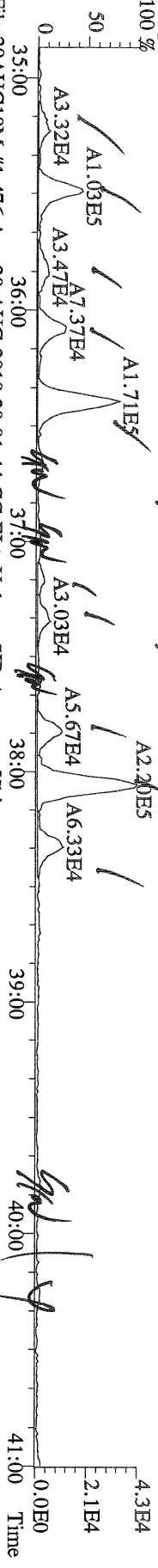
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353.8970 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



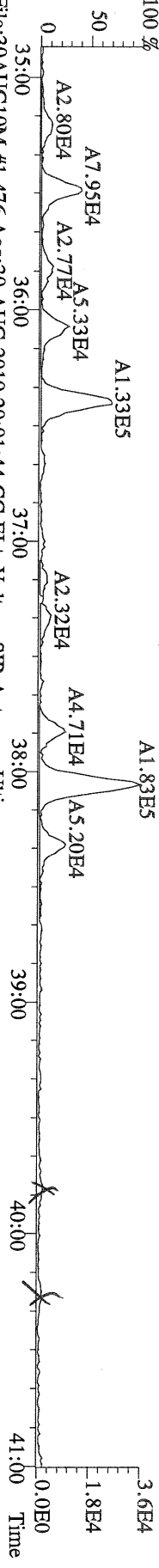
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409.7974 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



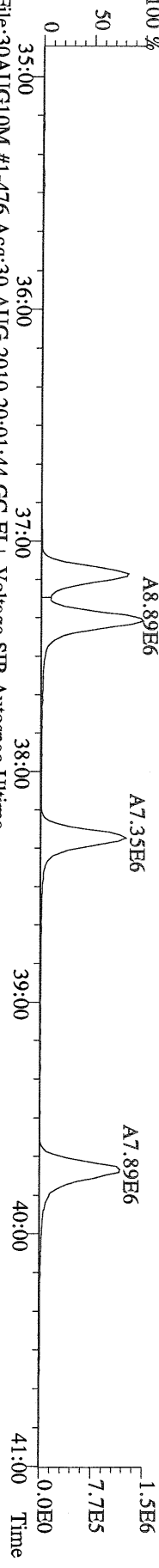
File:30AUG10M #1-476 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:7 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



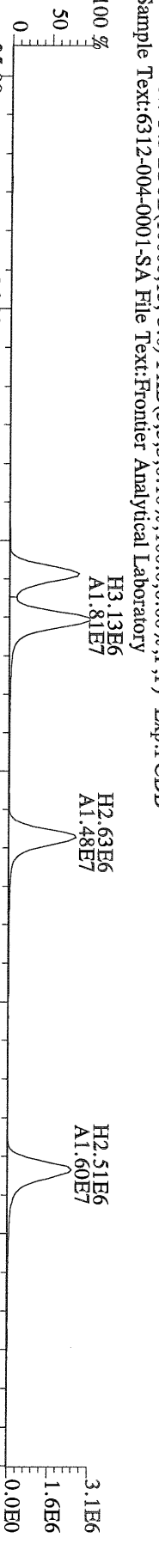
File:30AUG10M #1-476 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 375.8178 S:7 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



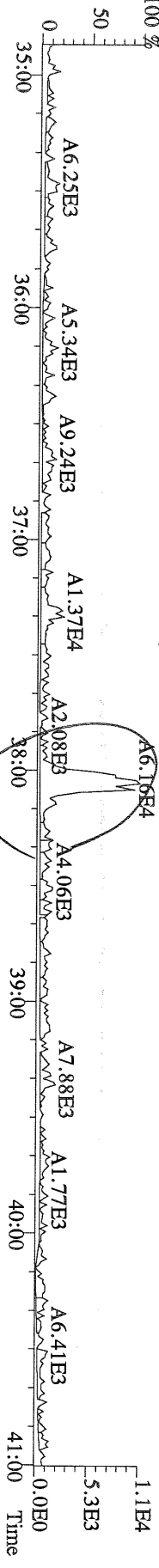
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 383.8639 S:7 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



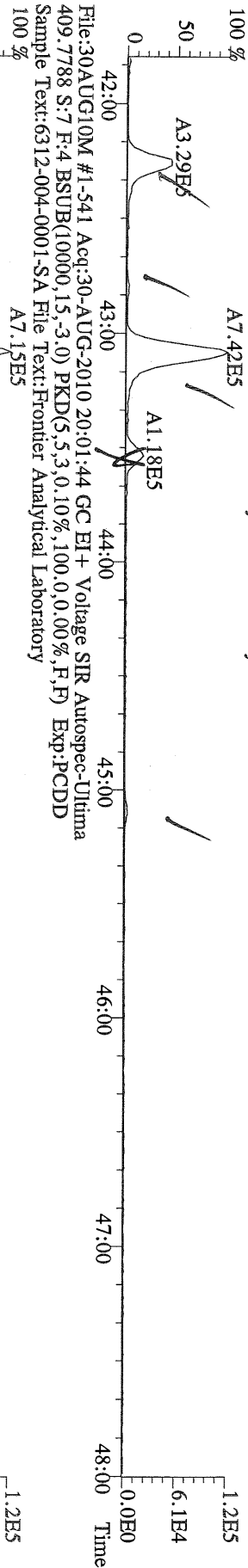
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 385.8610 S:7 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



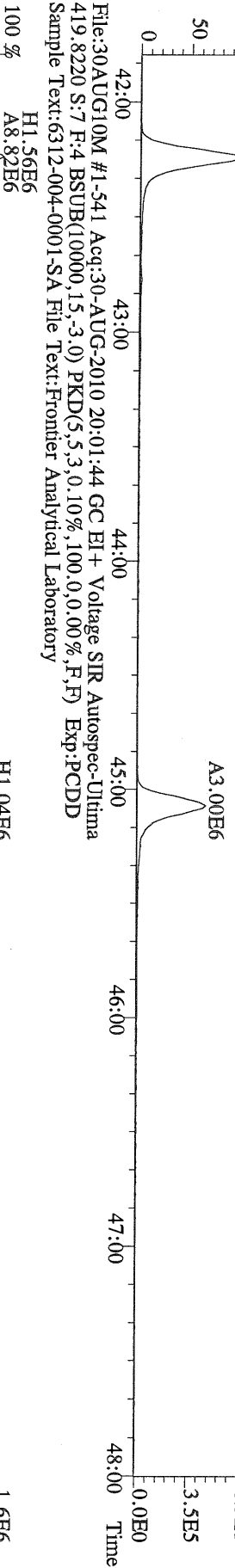
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 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



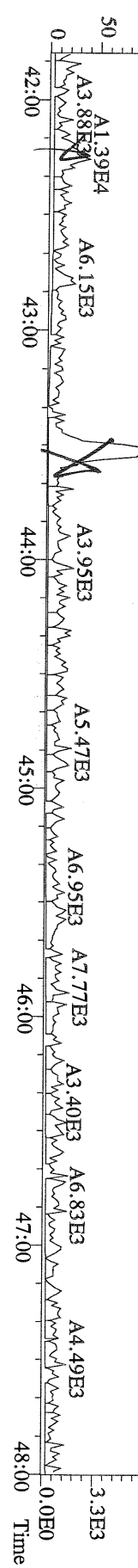
File:30AUG10M #1-541 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



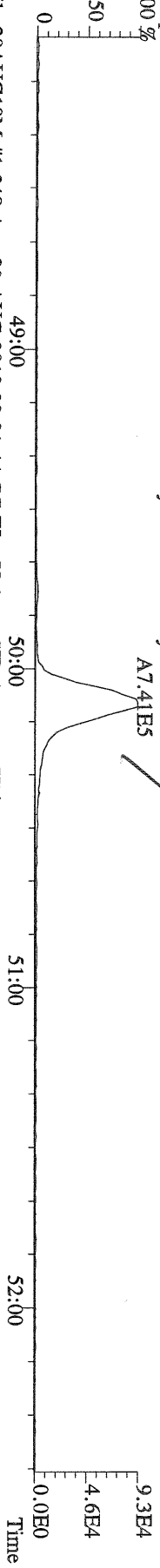
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 417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



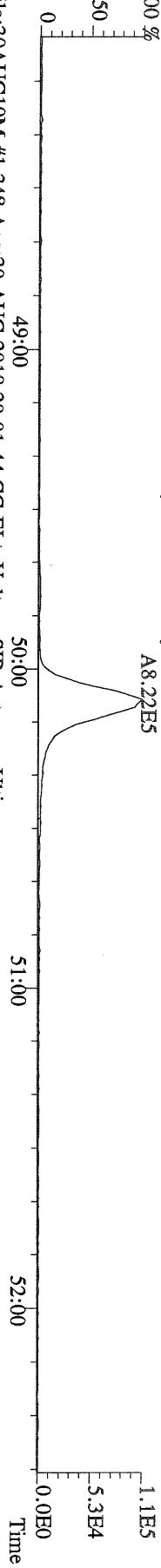
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 479.7165 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Frontier Analytical Laboratory



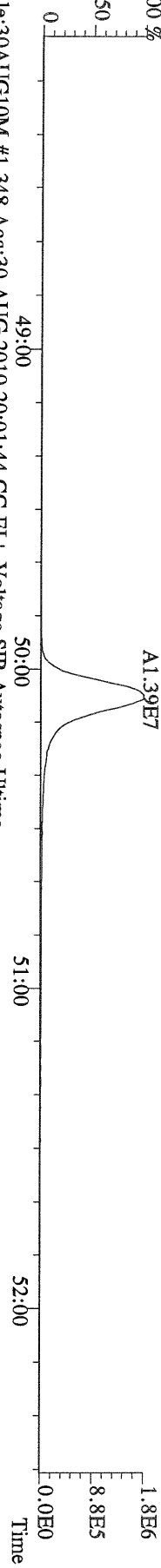
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Fronter Analytical Laboratory



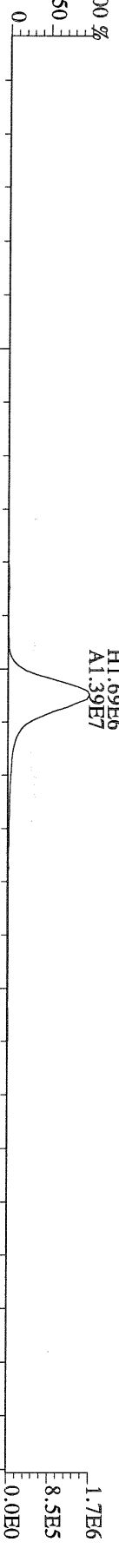
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Fronter Analytical Laboratory



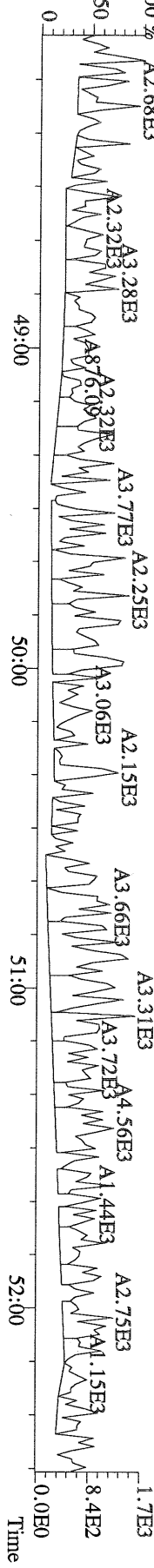
File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Fronter Analytical Laboratory



File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Fronter Analytical Laboratory




File:30AUG10M #1-348 Acq:30-AUG-2010 20:01:44 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-004-0001-SA File Text:Fronter Analytical Laboratory



NATO 1989 Tox: 0.709
 WHO 1998 Tox: 0.449 WHO 2005 Tox: 0.507

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	Rec	#Hom
2,3,7,8-TCDD	*	* n	NotFnd	1.11	*		2.50	737	585	1.82	0
1,2,3,7,8-PeCDD	*	* n	NotFnd	1.10	*		2.50	808	699	2.71	0
1,2,3,4,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	675	525	2.22	2
1,2,3,6,7,8-HxCDD	*	* n	NotFnd	1.37	*		2.50	675	525	2.79	2
1,2,3,7,8,9-HxCDD	*	* n	NotFnd	1.36	*		2.50	675	525	2.50	
1,2,3,4,6,7,8-HpCDD	2.83e+05	0.91 y	44:10	1.45	42.0		2.50	-	-	*	
OCDD	1.24e+06	0.99 y	49:44	1.43	289		2.50	-	-	*	
2,3,7,8-TCDF	*	* n	NotFnd	1.50	*		2.50	662	703	0.790	
1,2,3,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	465	483	1.25	
2,3,4,7,8-PeCDF	*	* n	NotFnd	0.94	*		2.50	465	483	1.26	
1,2,3,4,7,8-HxCDF	*	* n	NotFnd	0.93	*		2.50	498	500	1.44	
1,2,3,6,7,8-HxCDF	*	* n	NotFnd	0.82	*		2.50	498	500	1.45	
2,3,4,6,7,8-HxCDF	*	* n	NotFnd	0.92	*		2.50	498	500	1.55	
1,2,3,7,8,9-HxCDF	*	* n	NotFnd	1.00	*		2.50	498	500	1.50	
1,2,3,4,6,7,8-HpCDF	*	* n	NotFnd	1.39	*		2.50	971	977	3.63	
1,2,3,4,7,8,9-HpCDF	*	* n	NotFnd	1.36	*		2.50	498	324	2.27	
OCDF	*	* n	NotFnd	0.79	*		2.50	739	838	6.64	
13C-2,3,7,8-TCDD	1.50e+07	0.82 y	27:21	1.02	1690					84.7	
13C-1,2,3,7,8-PeCDD	1.31e+07	1.76 y	33:10	0.84	1800					89.9	
13C-1,2,3,4,7,8-HxCDD	1.04e+07	1.25 y	38:32	1.07	1690					84.5	
13C-1,2,3,6,7,8-HxCDD	8.99e+06	1.24 y	38:42	1.01	1550					77.5	
13C-1,2,3,4,6,7,8-HpCDD	9.30e+06	0.97 y	44:09	0.86	1900					94.9	
13C-OCDD	1.20e+07	1.00 y	49:43	0.55	3830					95.7	
13C-2,3,7,8-TCDF	2.59e+07	0.88 y	26:35	0.99	1770					88.4	
13C-1,2,3,7,8-PeCDF	2.02e+07	1.76 y	31:26	0.84	1640					81.8	
13C-2,3,4,7,8-PeCDF	2.00e+07	1.75 y	32:45	0.81	1670					83.6	
13C-1,2,3,4,7,8-HxCDF	1.94e+07	0.49 y	37:09	1.85	1830					91.4	
13C-1,2,3,6,7,8-HxCDF	2.46e+07	0.49 y	37:20	2.54	1700					84.8	
13C-2,3,4,6,7,8-HxCDF	2.01e+07	0.49 y	38:17	2.01	1740					87.0	
13C-1,2,3,7,8,9-HxCDF	2.15e+07	0.49 y	39:44	2.03	1850					92.5	
13C-1,2,3,4,6,7,8-HpCDF	1.13e+07	0.45 y	42:14	1.11	1780					88.8	
13C-1,2,3,4,7,8,9-HpCDF	8.65e+06	0.44 y	45:04	0.80	1880					94.0	
13C-OCDF	2.38e+07	1.00 y	50:05	1.08	3840					95.9	
37Cl-2,3,7,8-TCDD	4.15e+06		27:22	0.69	699					87.4	
13C-1,2,3,4-TCDD	1.73e+07	0.85 y	26:46	-	38.6						
13C-1,2,3,4-TCDF	2.95e+07	0.87 y	25:31	-	40.8						
13C-1,2,3,7,8,9-HxCDD	1.14e+07	1.23 y	39:09	-	41.5						
Total Tetra-Dioxins	*		NotFnd	1.11	*		2.50	737	585	1.82	0
Total Penta-Dioxins	*		NotFnd	1.10	*		2.50	808	699	2.71	0
Total Hexa-Dioxins	1.10e+05		36:06	1.37	16.5	J	2.50	-	-	*	2
Total Hepta-Dioxins	6.31e+05		42:47	1.45	93.4		2.50	-	-	*	2
Total Tetra-Furans	1.84e+05		25:46	1.50	9.47		2.50	-	-	*	3
1st Fn. Tot Penta-Furans	*		NotFnd	0.94	*	J	2.50	-	-	*	PeCDF 0
Total Penta-Furans	9.80e+04		31:18	0.94	10.4	J	2.50	-	-	*	10.4 2
Total Hexa-Furans	2.73e+04		38:05	0.91	2.80	J	2.50	-	-	*	1
Total Hepta-Furans	4.27e+04		43:05	1.38	6.24	J	2.50	-	-	*	1

Analyst:  Date: 8/31/10

Totals class: Total Hexa-Dioxins

Entry #: 40

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 3

Acquired: 30-AUG-10 20:57:06

Total Concentration: 16.5

Unnamed Concentration: 16.526

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
36:06	2.35e+04	1.83e+04	1.29 y	4.18e+04	6.31	
37:27	3.85e+04	2.93e+04	1.31 y	6.78e+04	10.2	

Totals class: Total Hepta-Dioxins

Entry #: 41

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 4

Acquired: 30-AUG-10 20:57:06

Total Concentration: 93.4

Unnamed Concentration: 51.453

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
42:47	1.67e+05	1.80e+05	0.93 y	3.47e+05	51.5	
44:10	1.35e+05	1.48e+05	0.91 y	2.83e+05	42.0	1,2,3,4,6,7,8-HpCDD

Totals class: Total Tetra-Furans

Entry #: 42

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 1

Acquired: 30-AUG-10 20:57:06

Total Concentration: 9.47

Unnamed Concentration: 9.468

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
25:46	3.08e+04	4.45e+04	0.69 y	7.53e+04	3.87	
27:20	2.69e+04	4.08e+04	0.66 y	6.77e+04	3.48	
27:50	1.68e+04	2.46e+04	0.68 y	4.14e+04	2.13	

Totals class: Total Penta-Furans

Entry #: 44

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 2

Acquired: 30-AUG-10 20:57:06

Total Concentration: 10.4

Unnamed Concentration: 10.368

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
31:18	3.94e+04	2.66e+04	1.48 y	6.60e+04	6.99	
31:44	1.87e+04	1.32e+04	1.42 y	3.20e+04	3.38	

Totals class: Total Hexa-Furans

Entry #: 45

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 3

Acquired: 30-AUG-10 20:57:06

Total Concentration: 2.80

Unnamed Concentration: 2.799

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
38:05	1.48e+04	1.24e+04	1.19 y	2.73e+04	2.80	

Totals class: Total Hepta-Furans

Entry #: 46

Run: 15

File: 30AUG10M

S: 8 I: 1 F: 4

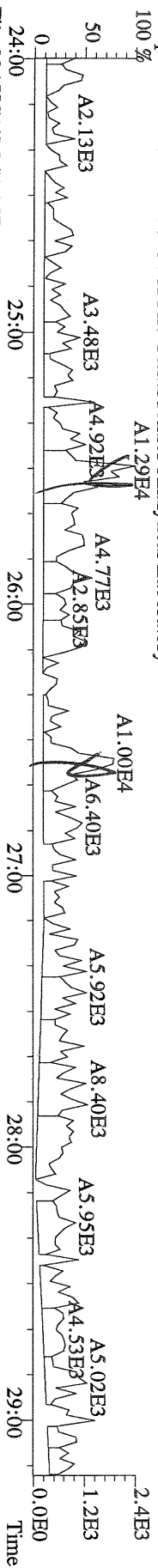
Acquired: 30-AUG-10 20:57:06

Total Concentration: 6.24

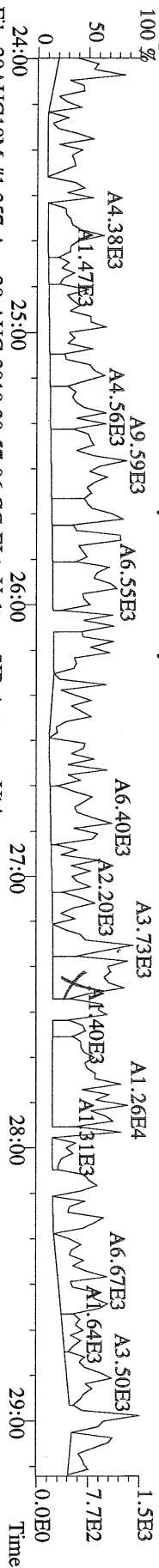
Unnamed Concentration: 6.235

RT	ml Resp	m2 Resp	RA	Resp	Concentration	Name
43:05	2.05e+04	2.23e+04	0.92 y	4.27e+04	6.24	

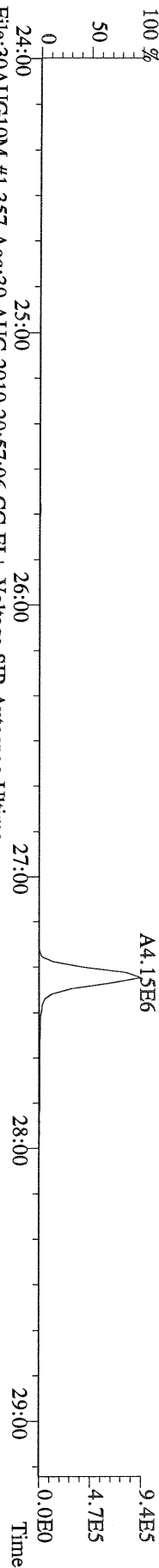
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



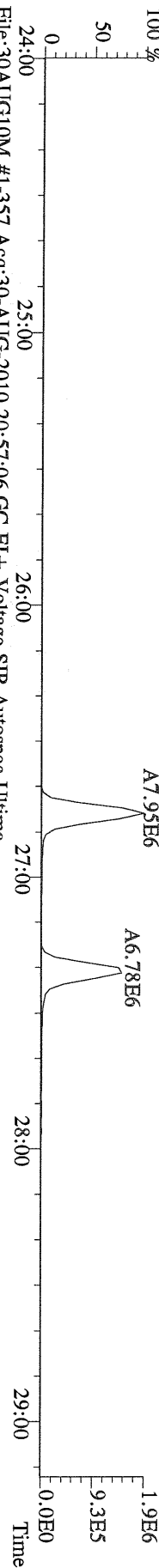
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



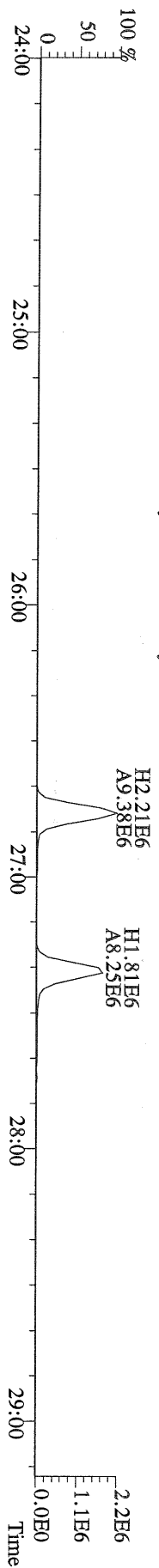
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



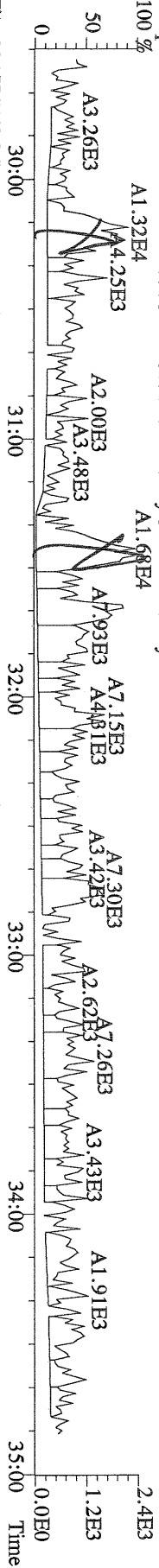
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



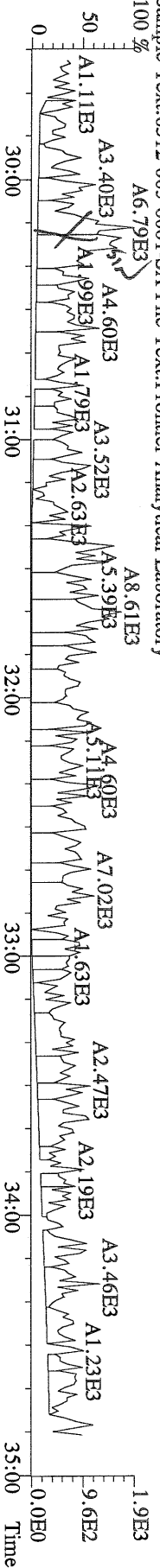
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



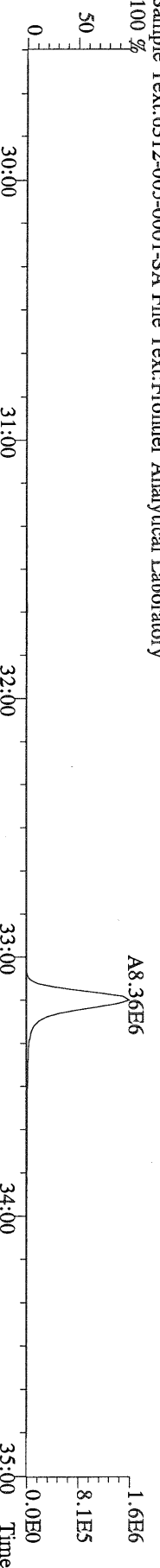
File:30AUG10M #1-412 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



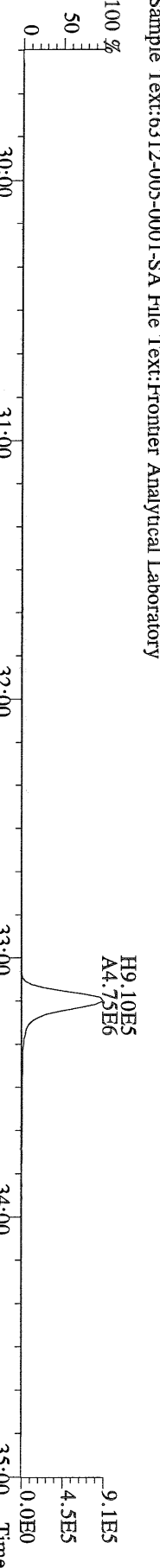
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 357.8517 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



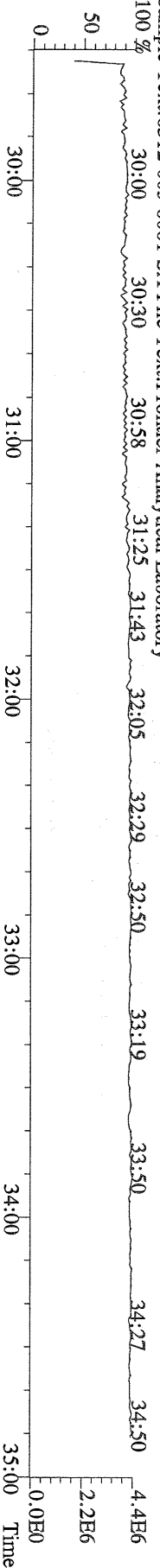
File:30AUG10M #1-412 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



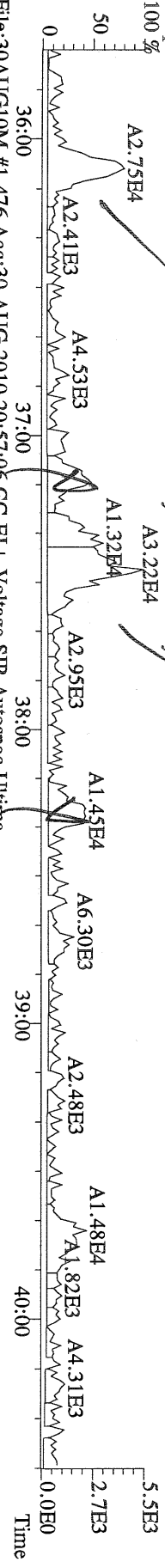
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 369.8919 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



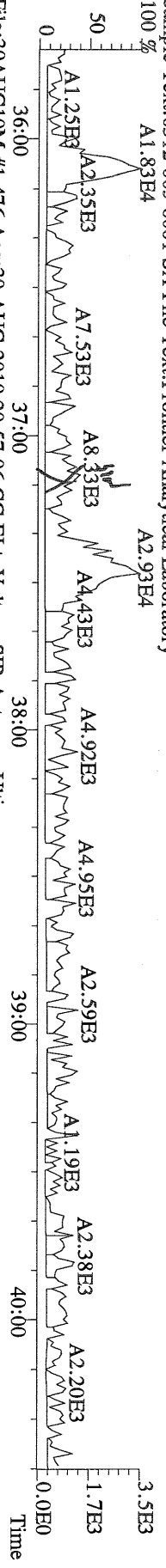
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 366.9792 S:8 F:2 Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



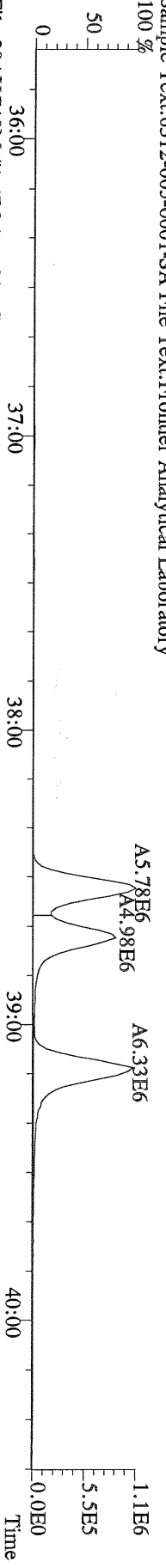
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 389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



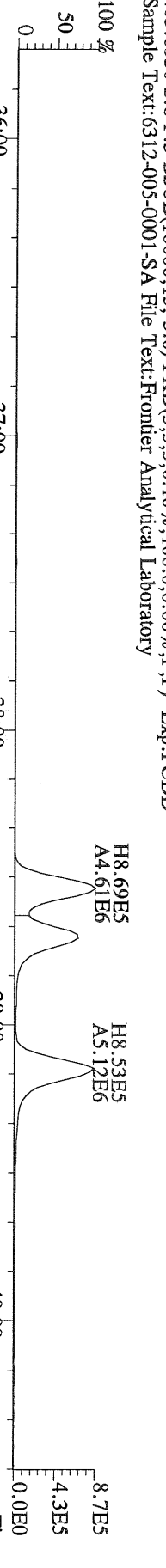
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 391.8127 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



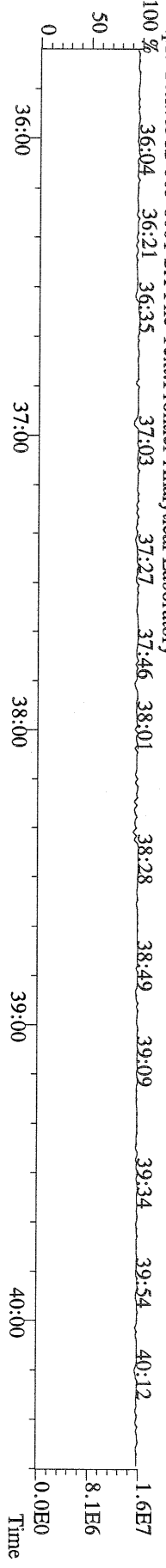
File:30AUG10M #1-476 Acq:30-AUG-2010 20:57:06 GC EI + Voltage SIR Autospec-Ultima
 401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



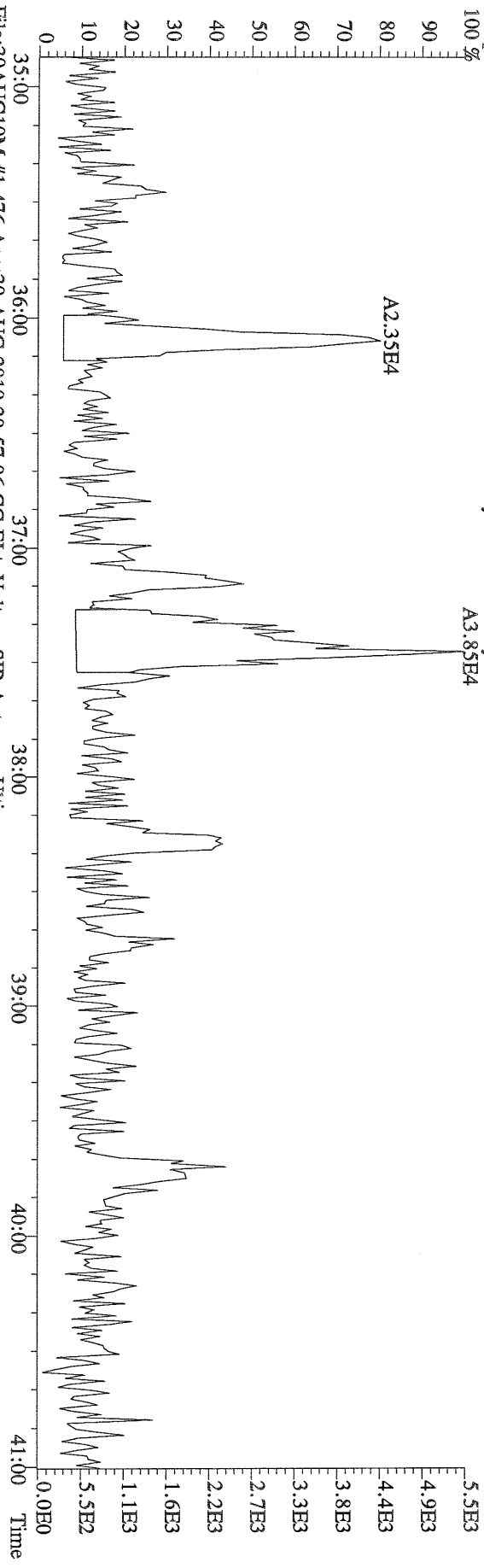
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 403.8530 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



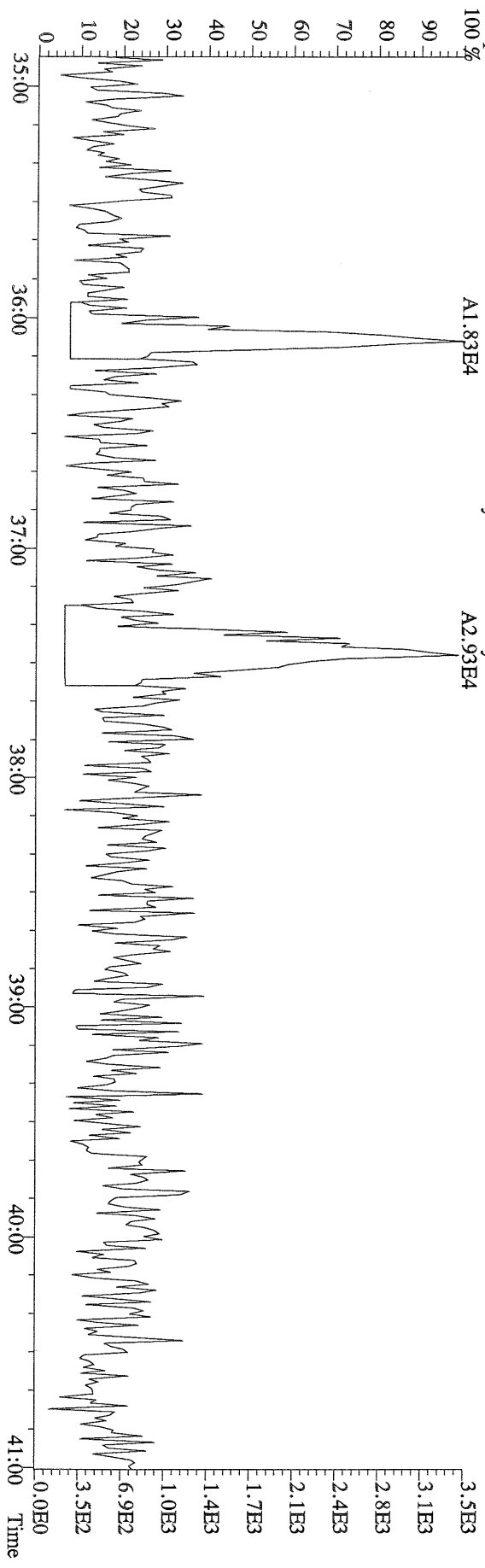
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 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



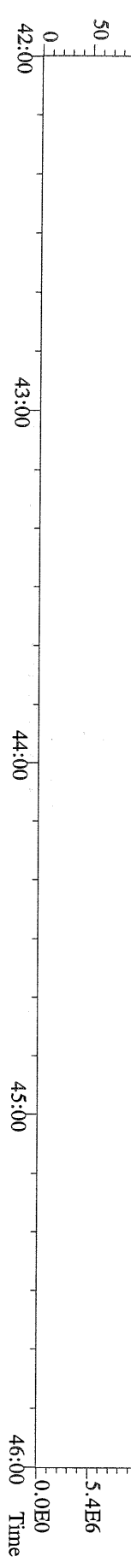
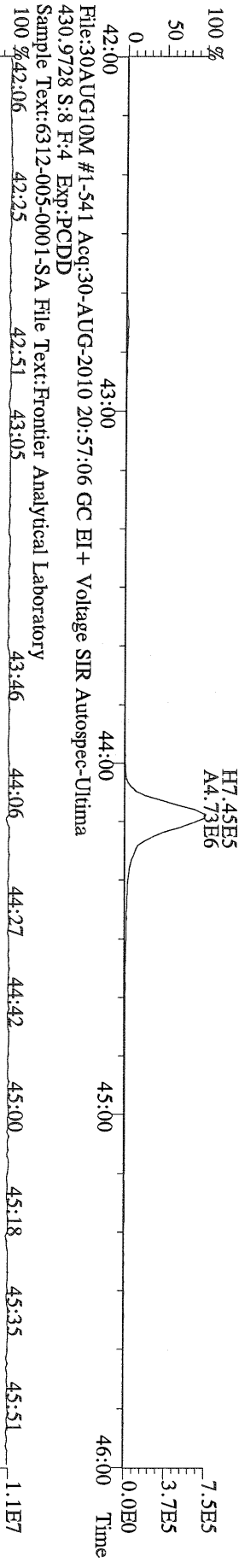
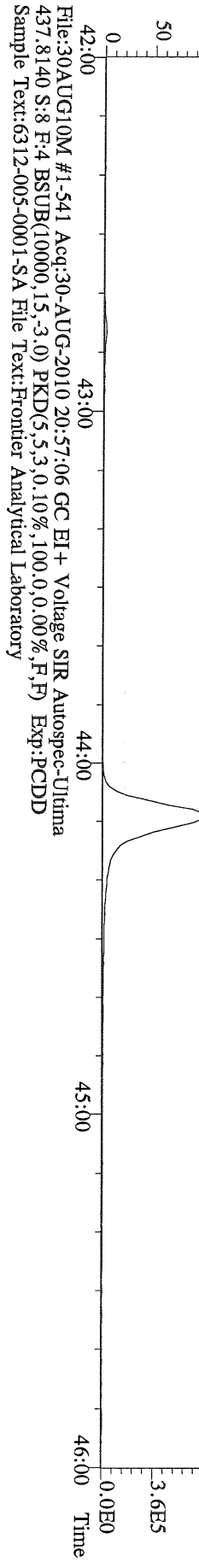
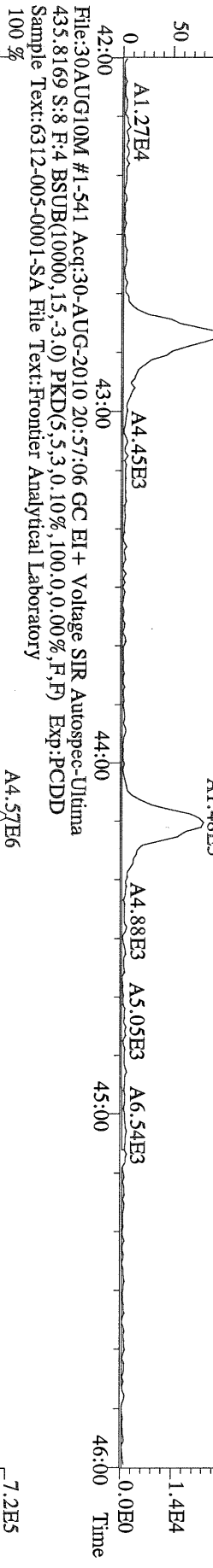
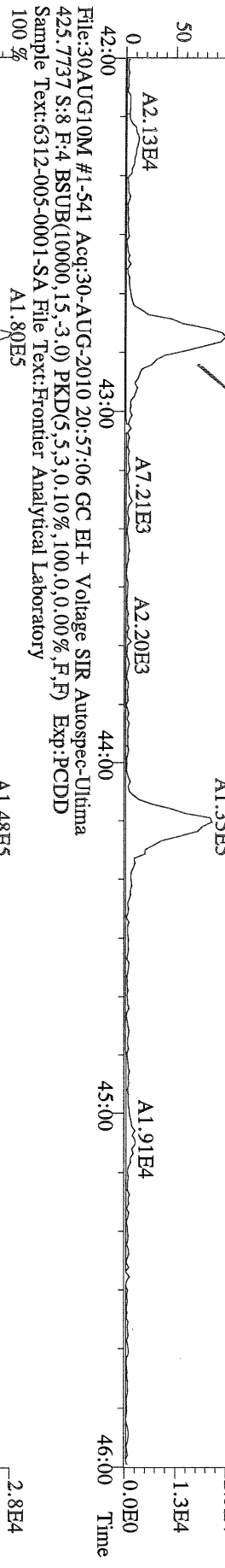
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389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



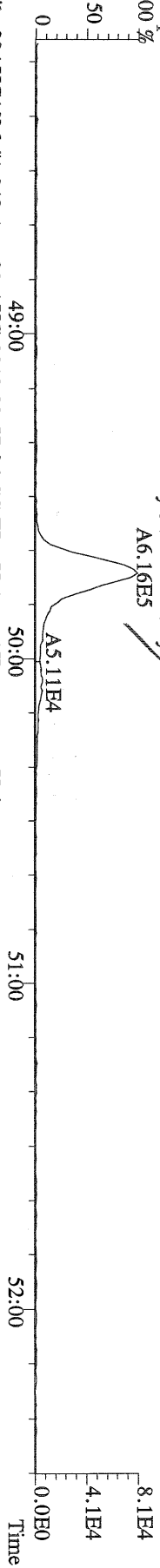
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391.8127 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



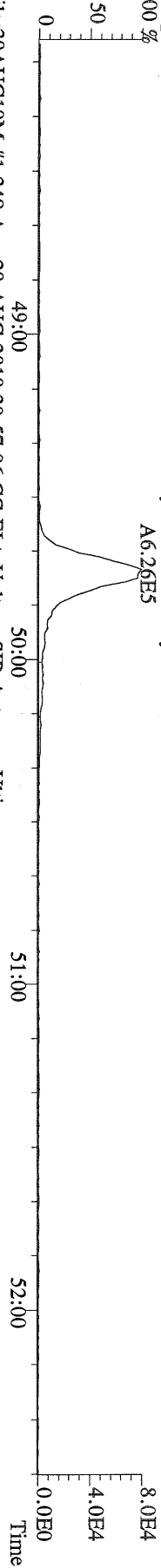
File:30AUG10M #1-541 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory
100 %



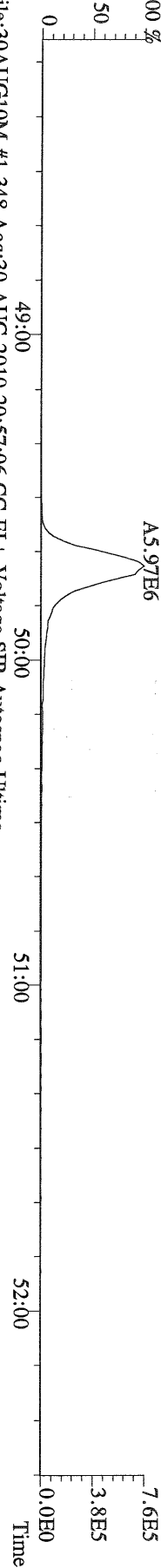
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



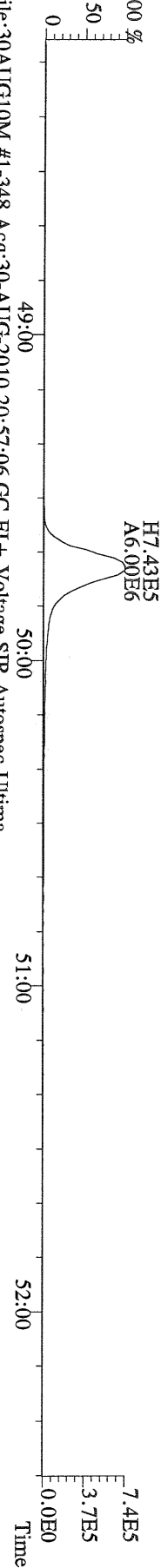
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
459.7348 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



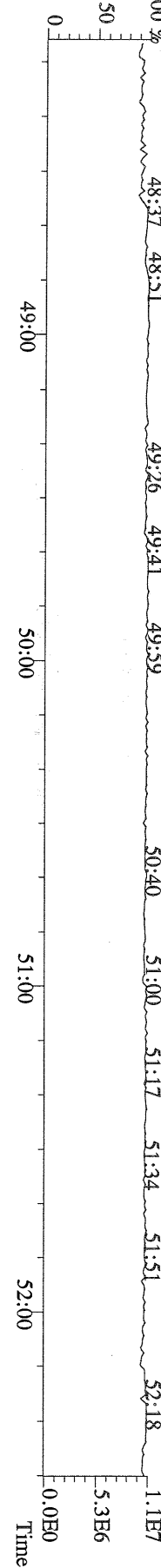
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469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



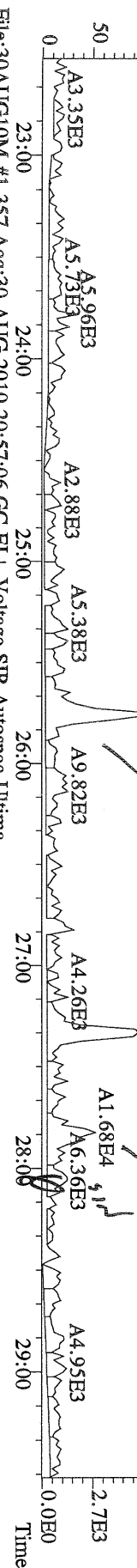
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



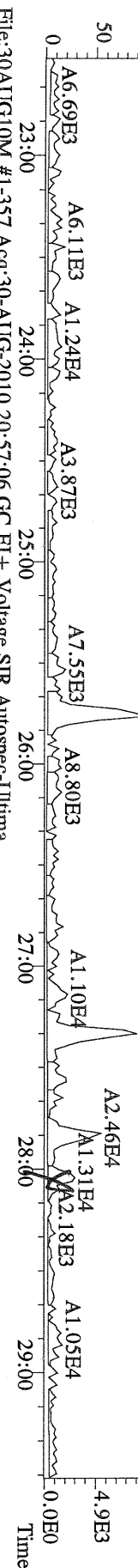
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454.9728 S:8 F:5 Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



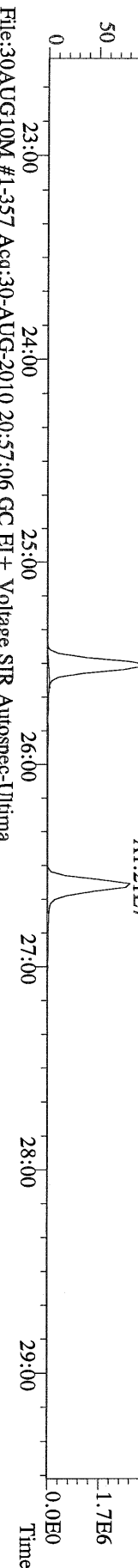
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI + Voltage SIR Autospec-Ultima
 303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



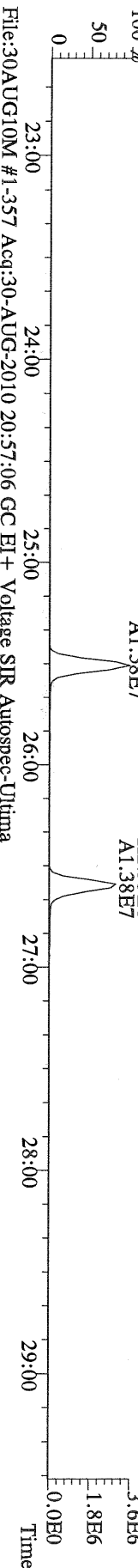
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 305.8987 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



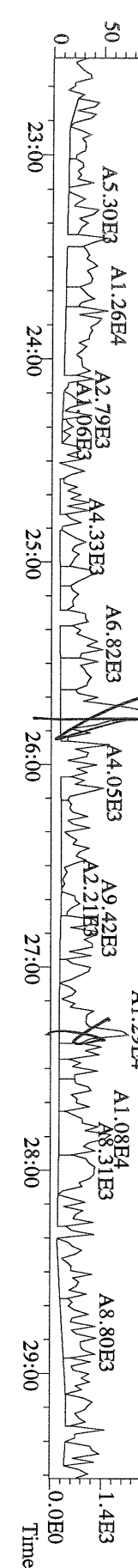
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI + Voltage SIR Autospec-Ultima
 315.9419 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



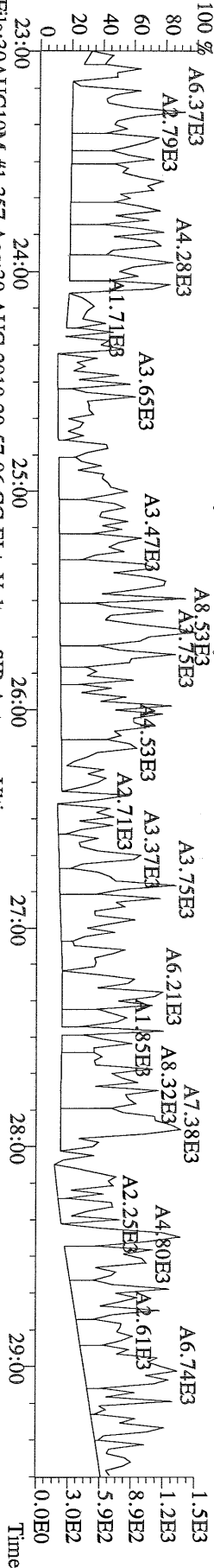
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 317.9389 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



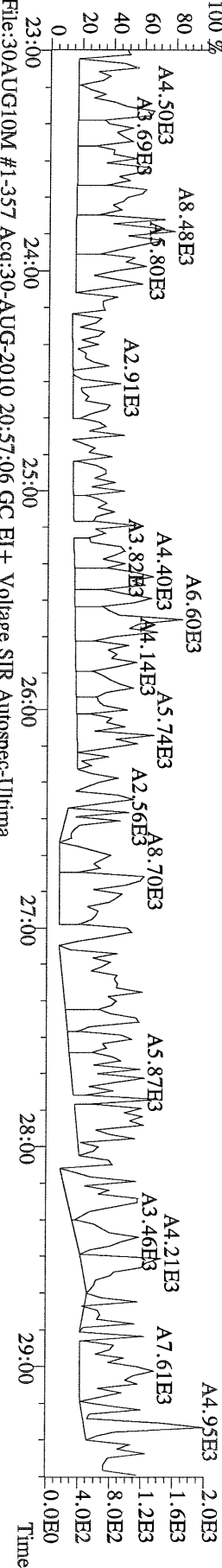
File:30AUG10M #1-357 Acq:30-AUG-2010 20:57:06 GC EI + Voltage SIR Autospec-Ultima
 375.8364 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



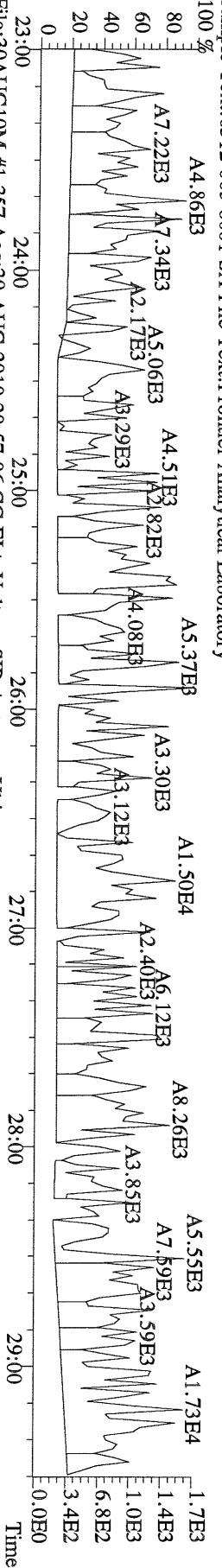
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 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



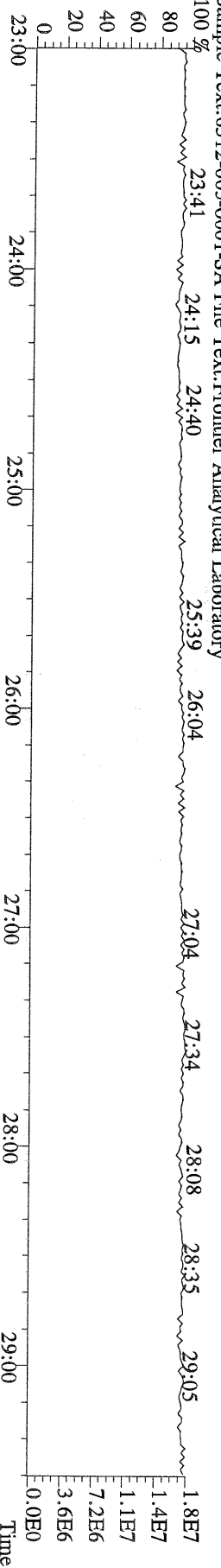
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 341.8568 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



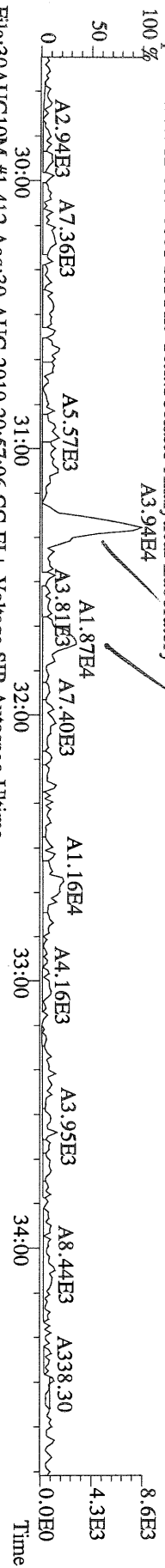
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 409.7974 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



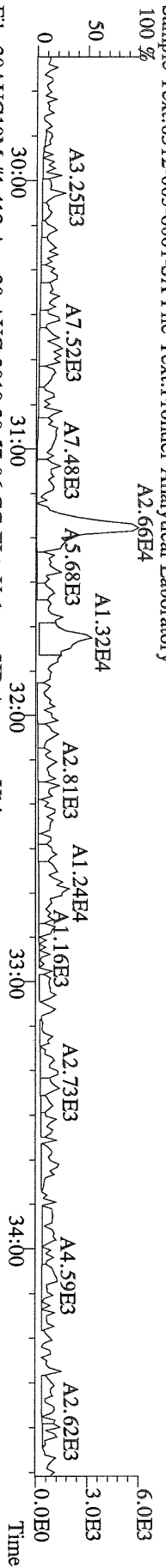
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 330.9792 S:8 Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



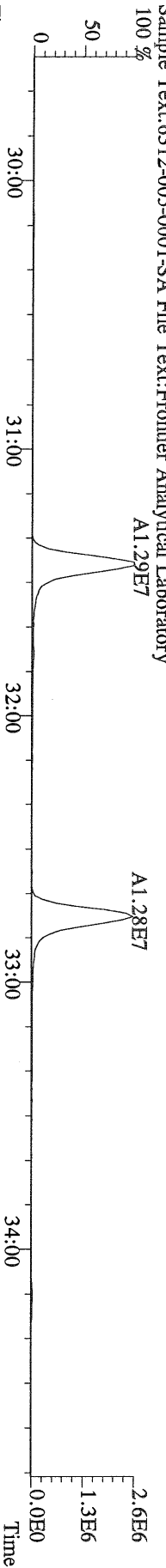
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 339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



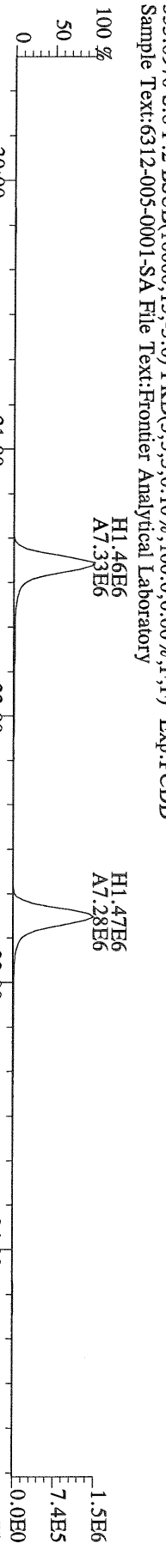
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 341.8568 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



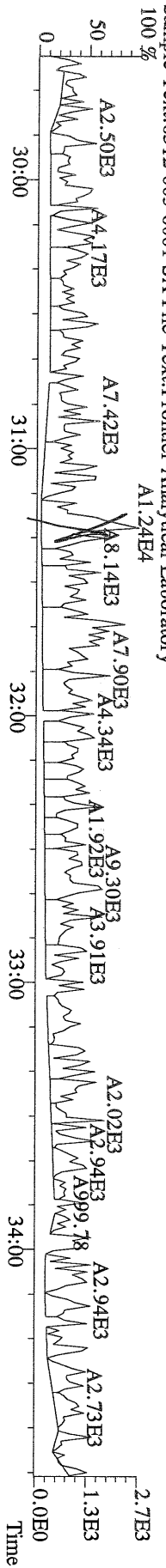
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 351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



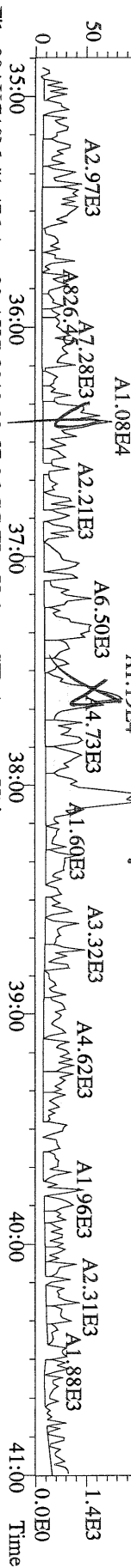
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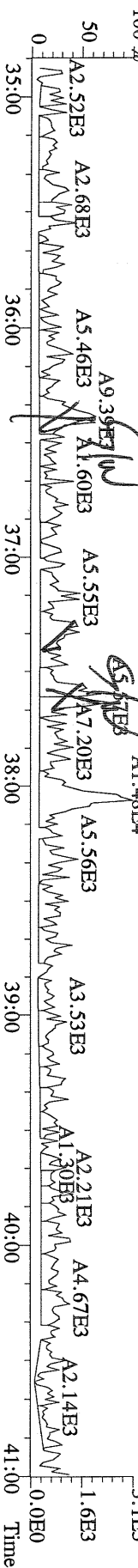
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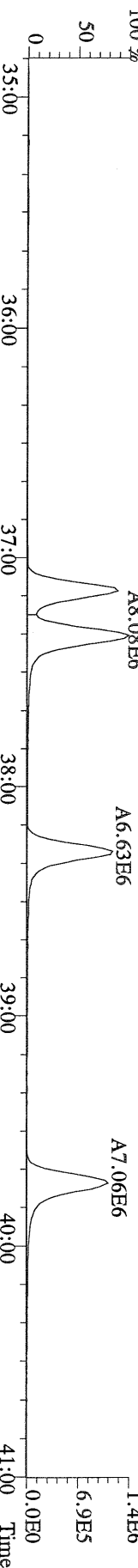
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 373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



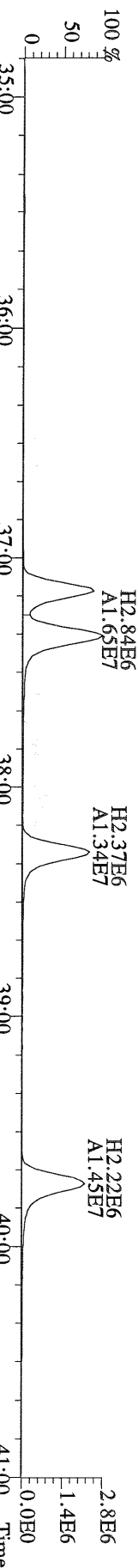
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 375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



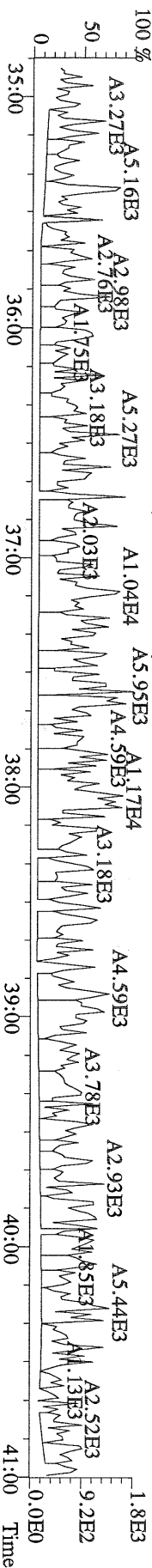
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 383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



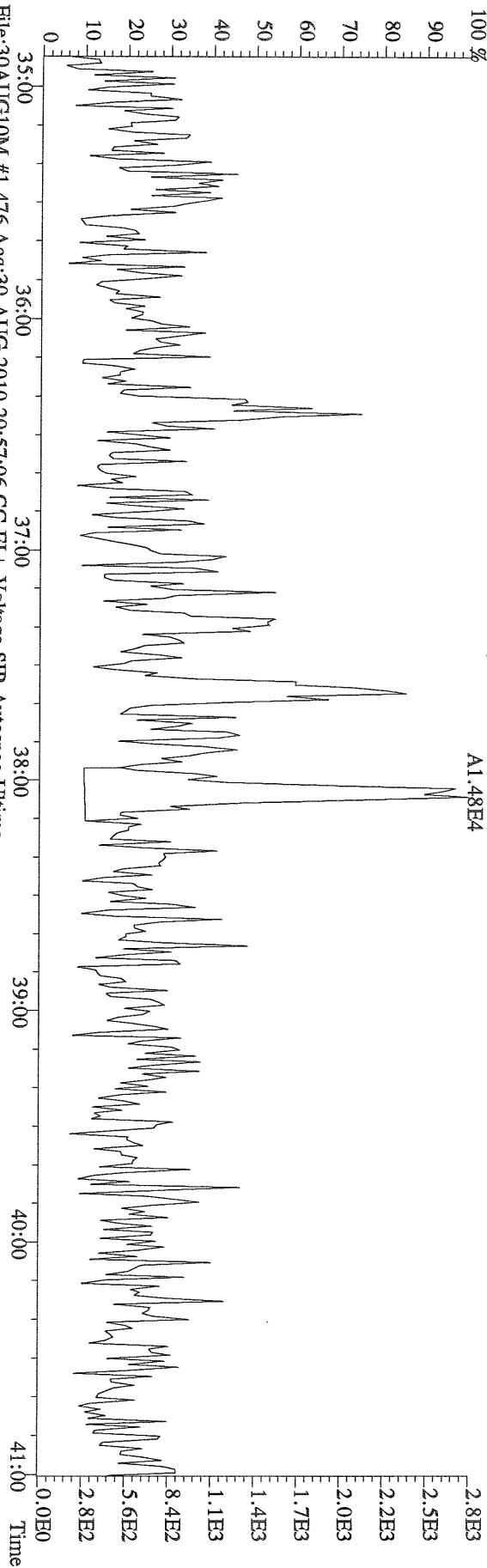
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 385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0,10%,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



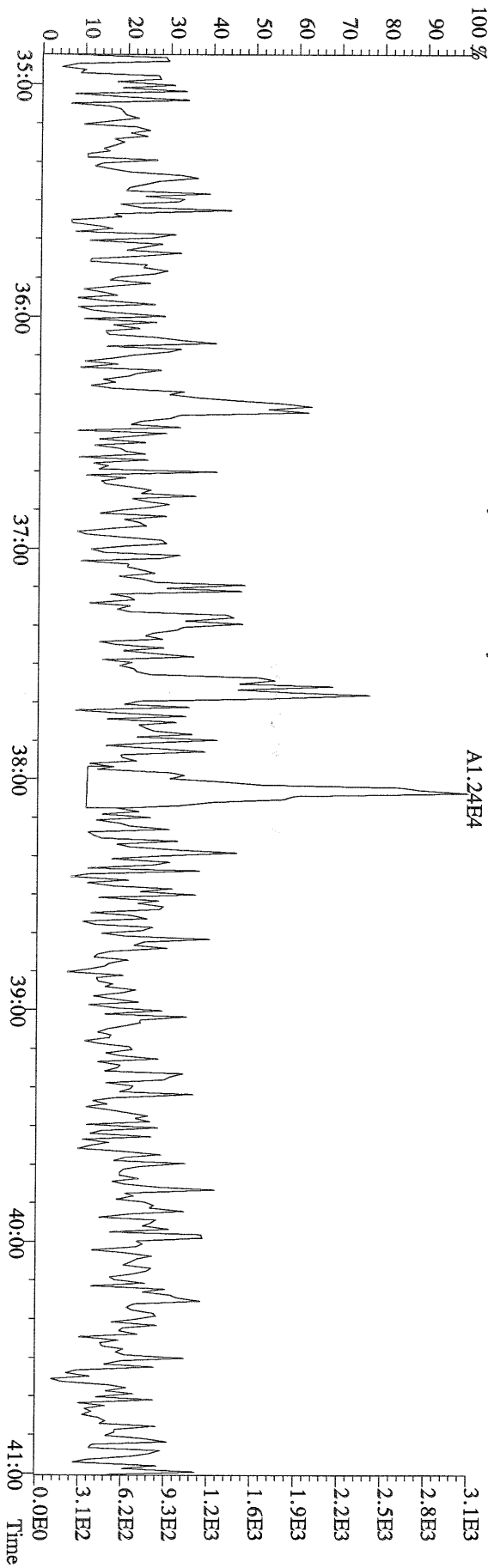
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 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



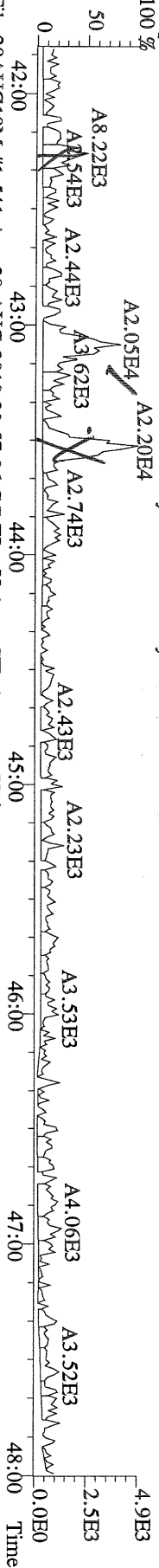
File:30AUG10M #1-476 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
373.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



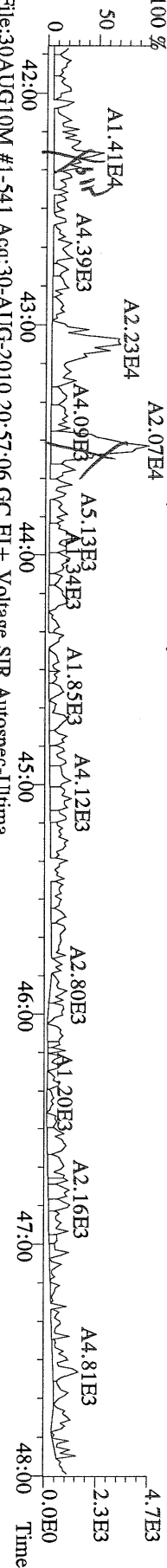
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375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



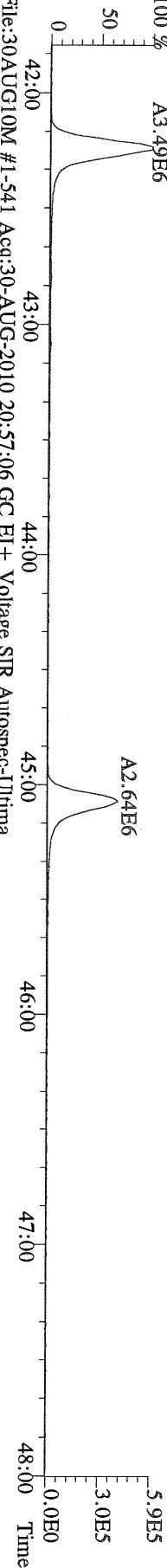
File:30AUG10M #1-541 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Utima
407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



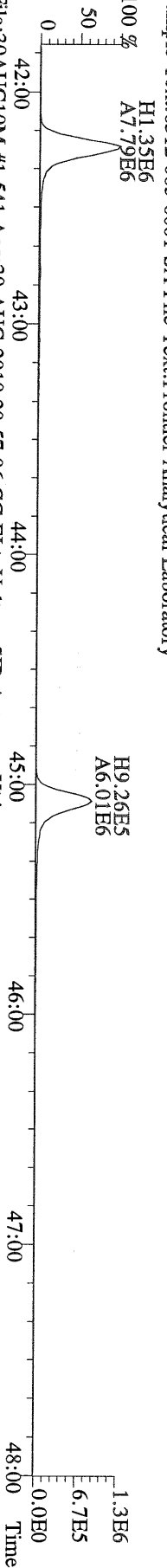
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409.7788 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
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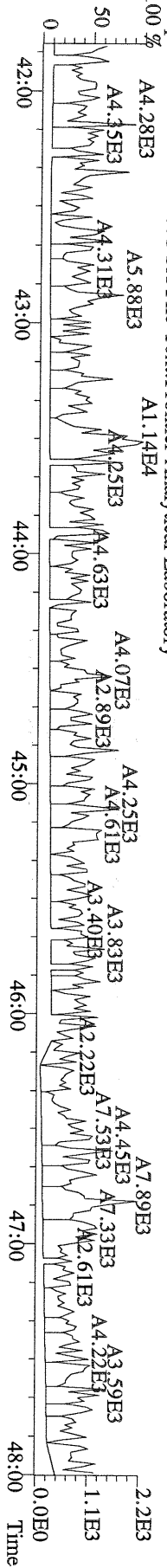
File:30AUG10M #1-541 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Utima
417.8253 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



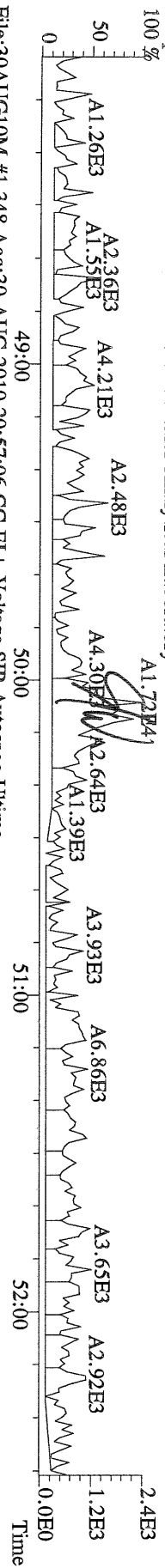
File:30AUG10M #1-541 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Utima
419.8220 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



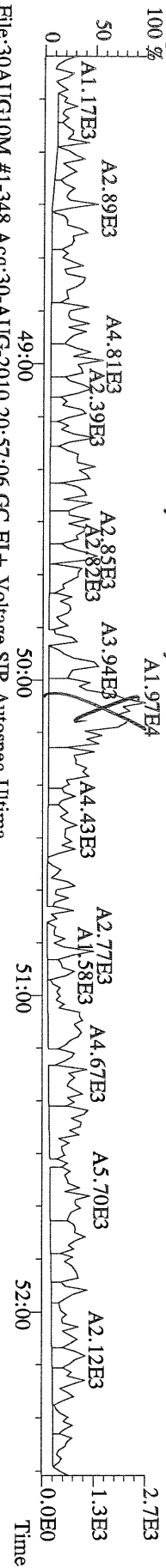
File:30AUG10M #1-541 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Utima
479.7165 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



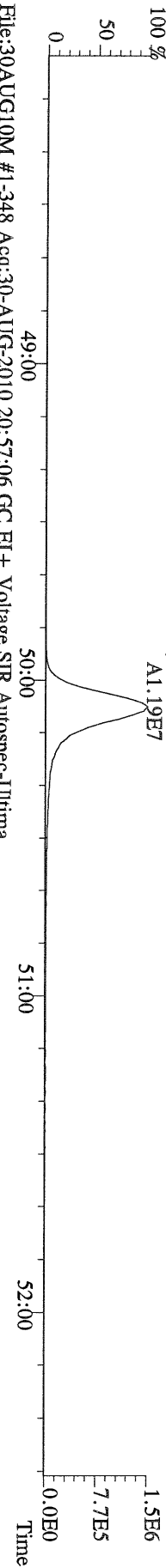
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



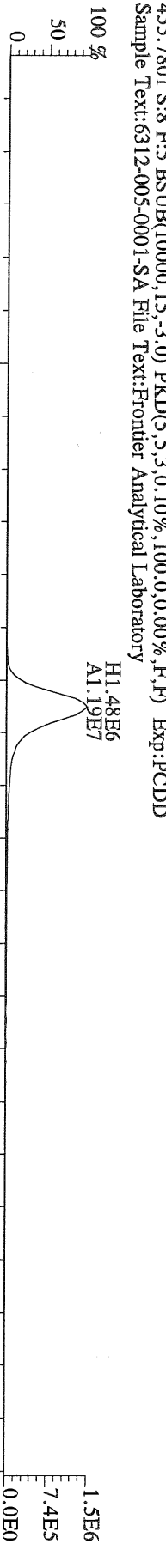
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



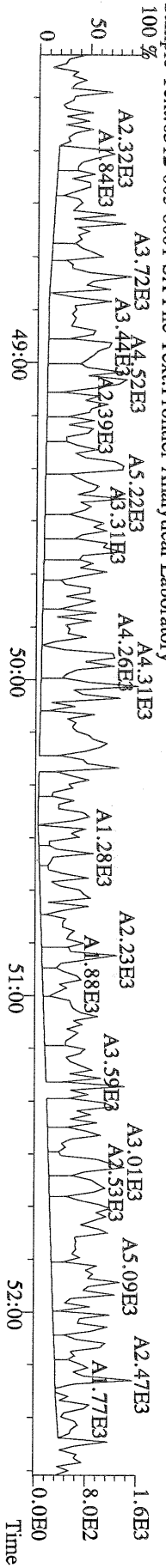
File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory



File:30AUG10M #1-348 Acq:30-AUG-2010 20:57:06 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:6312-005-0001-SA File Text:Frontier Analytical Laboratory




Frontier Analytical Laboratory

Data Filename: 23AUG10M

Analyte:

Cal: PCDDFAL3-8-23-10

	Name	RRF	S. D.	%RSD	S3 RRF#1	S4 RRF#2	S5 RRF#3	S1 RRF#4	S6 RRF#5	S7 RRF#6
	2,3,7,8-TCDD	1.11	0.0404	3.63 %	1.07	1.09	1.06	1.16	1.13	1.14
	1,2,3,7,8-PeCDD	1.10	0.0456	4.14 %	1.03	1.08	1.09	1.11	1.15	1.15
	1,2,3,4,7,8-HxCDD	1.37	0.0589	4.29 %	1.40	1.30	1.31	1.36	1.44	1.42
	1,2,3,6,7,8-HxCDD	1.37	0.0522	3.80 %	1.30	1.38	1.39	1.32	1.43	1.42
	1,2,3,7,8,9-HxCDD	1.36	0.0713	5.24 %	1.29	1.31	1.37	1.30	1.45	1.45
	1,2,3,4,6,7,8-HpCDD	1.45	0.0199	1.37 %	1.43	1.47	1.45	1.44	1.45	1.48
	OCDD	1.43	0.0834	5.81 %	1.37	1.37	1.42	1.44	1.42	1.59
	2,3,7,8-TCDF	1.50	0.0738	4.91 %	1.57	1.60	1.50	1.40	1.47	1.48
	1,2,3,7,8-PeCDF	0.94	0.0427	4.53 %	0.92	0.88	0.92	0.96	0.99	0.99
	2,3,4,7,8-PeCDF	0.94	0.0501	5.35 %	0.88	0.90	0.91	0.93	0.99	1.00
	1,2,3,4,7,8-HxCDF	0.93	0.0529	5.70 %	0.90	0.88	0.90	0.91	0.99	1.00
	1,2,3,6,7,8-HxCDF	0.82	0.0486	5.91 %	0.75	0.79	0.82	0.83	0.87	0.88
	2,3,4,6,7,8-HxCDF	0.92	0.0553	6.02 %	0.87	0.86	0.92	0.89	0.98	0.99
	1,2,3,7,8,9-HxCDF	1.00	0.0728	7.30 %	0.90	0.94	0.99	1.00	1.08	1.08
	1,2,3,4,6,7,8-HpCDF	1.39	0.0804	5.78 %	1.28	1.33	1.37	1.39	1.49	1.47
	1,2,3,4,7,8,9-HpCDF	1.36	0.108	7.94 %	1.30	1.20	1.33	1.35	1.45	1.50
	OCDF	0.79	0.0651	8.29 %	0.73	0.72	0.75	0.79	0.86	0.87
	13C-2,3,7,8-TCDD	1.02	0.0764	7.46 %	0.98	0.98	0.97	0.98	1.15	1.08
	13C-1,2,3,7,8-PeCDD	0.84	0.0798	9.48 %	0.79	0.79	0.79	0.79	0.95	0.93
	13C-1,2,3,4,7,8-HxCDD	1.07	0.0580	5.40 %	1.06	1.03	1.06	1.01	1.12	1.16
	13C-1,2,3,6,7,8-HxCDD	1.01	0.0164	1.62 %	1.00	1.00	1.00	1.02	1.03	1.03
	13C-1,2,3,4,6,7,8-HpCDD	0.86	0.0467	5.45 %	0.82	0.82	0.84	0.83	0.90	0.93
	13C-OCDD	0.55	0.0456	8.36 %	0.52	0.51	0.52	0.52	0.58	0.63
	13C-2,3,7,8-TCDF	0.99	0.0775	7.79 %	0.97	0.92	0.93	0.96	1.12	1.05
	13C-1,2,3,7,8-PeCDF	0.84	0.0816	9.74 %	0.78	0.78	0.79	0.79	0.95	0.93
	13C-2,3,4,7,8-PeCDF	0.81	0.0728	8.97 %	0.77	0.75	0.76	0.78	0.91	0.90
	13C-1,2,3,4,7,8-HxCDF	1.85	0.0371	2.00 %	1.82	1.85	1.85	1.81	1.91	1.88
	13C-1,2,3,6,7,8-HxCDF	2.54	0.0434	1.71 %	2.55	2.51	2.52	2.51	2.62	2.51
	13C-2,3,4,6,7,8-HxCDF	2.01	0.0361	1.79 %	2.00	2.00	1.98	2.00	2.08	2.03
	13C-1,2,3,7,8,9-HxCDF	2.03	0.110	5.42 %	1.97	1.94	1.96	1.98	2.14	2.20
	13C-1,2,3,4,6,7,8-HpCDF	1.11	0.0532	4.80 %	1.08	1.05	1.12	1.07	1.16	1.18
	13C-1,2,3,4,7,8,9-HpCDF	0.80	0.0576	7.16 %	0.78	0.76	0.78	0.77	0.83	0.91
	13C-OCDF	1.08	0.0934	8.63 %	1.00	1.00	1.05	1.05	1.16	1.23
	37Cl-2,3,7,8-TCDD	0.69	0.0526	7.67 %	0.67	0.70	0.63	0.63	0.76	0.73
	13C-1,2,3,4-TCDD	-	-	- %	-	-	-	-	-	-
	13C-1,2,3,4-TCDF	-	-	- %	-	-	-	-	-	-
	13C-1,2,3,7,8,9-HxCDD	-	-	- %	-	-	-	-	-	-
	Total Tetra-Dioxins	1.11	0.0404	3.63 %	1.07	1.09	1.06	1.16	1.13	1.14
	Total Penta-Dioxins	1.10	0.0456	4.14 %	1.03	1.08	1.09	1.11	1.15	1.15
	Total Hexa-Dioxins	1.37	0.0513	3.75 %	1.33	1.33	1.36	1.33	1.44	1.43
	Total Hepta-Dioxins	1.45	0.0199	1.37 %	1.43	1.47	1.45	1.44	1.45	1.48
	Total Tetra-Furans	1.50	0.0738	4.91 %	1.57	1.60	1.50	1.40	1.47	1.48
1st Fn.	Tot Penta-Furans	0.94	0.0454	4.83 %	0.90	0.89	0.91	0.95	0.99	0.99
	Total Penta-Furans	0.94	0.0454	4.83 %	0.90	0.89	0.91	0.95	0.99	0.99
	Total Hexa-Furans	0.91	0.0562	6.18 %	0.84	0.86	0.90	0.90	0.97	0.98
	Total Hepta-Furans	1.38	0.0885	6.43 %	1.29	1.28	1.36	1.37	1.47	1.48

Analyst: 

Date: 8/24/10

Run #1 Filename 23AUG10M
Client ID: ST082310M0

S: 3 Acquired: 23-AUG-10 16:16:35 Cal: PCDDFAL3-8-23-10
Analyte: FAL ID: 1613 CS0 100511G

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	0.25	1.20e+05	0.73 y	27:27	-	1.07 y
2	Unk 1,2,3,7,8-PeCDD	1.25	4.64e+05	1.70 y	33:15	-	1.03 y
3	Unk 1,2,3,4,7,8-HxCDD	1.25	4.89e+05	1.42 y	38:38	-	1.40 y
4	Unk 1,2,3,6,7,8-HxCDD	1.25	4.28e+05	1.40 y	38:48	-	1.30 y
5	Unk 1,2,3,7,8,9-HxCDD	1.25	4.38e+05	1.41 y	39:14	-	1.29 y
6	Unk 1,2,3,4,6,7,8-HpCDD	1.25	3.88e+05	1.02 y	44:13	-	1.43 y
7	Unk OCDD	2.50	4.72e+05	1.00 y	49:47	-	1.37 y
8	Unk 2,3,7,8-TCDF	0.25	2.81e+05	0.67 y	26:41	-	1.57 y
9	Unk 1,2,3,7,8-PeCDF	1.25	6.57e+05	1.49 y	31:31	-	0.916 y
10	Unk 2,3,4,7,8-PeCDF	1.25	6.24e+05	1.48 y	32:50	-	0.883 y
11	Unk 1,2,3,4,7,8-HxCDF	1.25	5.37e+05	1.22 y	37:14	-	0.897 y
12	Unk 1,2,3,6,7,8-HxCDF	1.25	6.28e+05	1.31 y	37:25	-	0.747 y
13	Unk 2,3,4,6,7,8-HxCDF	1.25	5.72e+05	1.25 y	38:22	-	0.870 y
14	Unk 1,2,3,7,8,9-HxCDF	1.25	5.81e+05	1.15 y	39:48	-	0.897 y
15	Unk 1,2,3,4,6,7,8-HpCDF	1.25	4.57e+05	1.04 y	42:19	-	1.28 y
16	Unk 1,2,3,4,7,8,9-HpCDF	1.25	3.34e+05	0.99 y	45:09	-	1.30 y
17	Unk OCDF	2.50	4.80e+05	0.93 y	50:10	-	0.727 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	4.47e+07	0.85 y	27:24	-	0.976 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	3.60e+07	1.77 y	33:14	-	0.786 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	2.78e+07	1.26 y	38:36	-	1.06 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	2.63e+07	1.26 y	38:46	-	0.998 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.17e+07	1.00 y	44:13	-	0.825 y
23	IS 13C-OCDD	200.00	2.76e+07	1.00 y	49:46	-	0.523 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.17e+07	0.88 y	26:40	-	0.975 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	5.74e+07	1.74 y	31:30	-	0.780 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	5.65e+07	1.74 y	32:49	-	0.769 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	4.79e+07	0.55 y	37:12	-	1.82 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	6.72e+07	0.56 y	37:24	-	2.55 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	5.26e+07	0.58 y	38:20	-	2.00 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	5.18e+07	0.54 y	39:47	-	1.97 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	2.84e+07	0.42 y	42:18	-	1.08 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.05e+07	0.43 y	45:08	-	0.778 y
33	IS 13C-OCDF	200.00	5.28e+07	0.95 y	50:09	-	1.00 y
34	C/Up 37Cl-2,3,7,8-TCDD	0.25	7.69e+04		27:26	-	0.671 y
35	RS 13C-1,2,3,4-TCDD	100.00	4.58e+07	0.85 y	26:50	4.58e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	7.35e+07	0.87 y	25:35	7.35e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	2.64e+07	1.27 y	39:12	2.64e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.07 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.03 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.33 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.43 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.57 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.899 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.899 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	0.845 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.29 y

Analyst: 

Date: 8/24/10

Run #2 Filename 23AUG10M
Client ID: ST082310M1

S: 4 Acquired: 23-AUG-10 17:12:02 Cal: PCDDFAL3-8-23-10
Analyte: FAL ID: 1613 CS1 100511H

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	0.50	2.50e+05	0.74 y	27:27	-	1.09 y
2	Unk 1,2,3,7,8-PeCDD	2.50	9.93e+05	1.61 y	33:16	-	1.08 y
3	Unk 1,2,3,4,7,8-HxCDD	2.50	8.89e+05	1.42 y	38:37	-	1.30 y
4	Unk 1,2,3,6,7,8-HxCDD	2.50	9.16e+05	1.42 y	38:48	-	1.38 y
5	Unk 1,2,3,7,8,9-HxCDD	2.50	8.82e+05	1.39 y	39:14	-	1.31 y
6	Unk 1,2,3,4,6,7,8-HpCDD	2.50	8.00e+05	1.07 y	44:14	-	1.47 y
7	Unk OCDD	5.00	9.24e+05	0.99 y	49:48	-	1.37 y
8	Unk 2,3,7,8-TCDF	0.50	5.65e+05	0.69 y	26:41	-	1.60 y
9	Unk 1,2,3,7,8-PeCDF	2.50	1.31e+06	1.45 y	31:32	-	0.885 y
10	Unk 2,3,4,7,8-PeCDF	2.50	1.29e+06	1.43 y	32:51	-	0.896 y
11	Unk 1,2,3,4,7,8-HxCDF	2.50	1.08e+06	1.27 y	37:14	-	0.877 y
12	Unk 1,2,3,6,7,8-HxCDF	2.50	1.32e+06	1.22 y	37:26	-	0.790 y
13	Unk 2,3,4,6,7,8-HxCDF	2.50	1.14e+06	1.31 y	38:23	-	0.858 y
14	Unk 1,2,3,7,8,9-HxCDF	2.50	1.21e+06	1.23 y	39:48	-	0.938 y
15	Unk 1,2,3,4,6,7,8-HpCDF	2.50	9.30e+05	1.05 y	42:20	-	1.33 y
16	Unk 1,2,3,4,7,8,9-HpCDF	2.50	6.04e+05	1.06 y	45:09	-	1.20 y
17	Unk OCDF	5.00	9.66e+05	0.89 y	50:10	-	0.721 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	4.56e+07	0.84 y	27:25	-	0.980 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	3.68e+07	1.77 y	33:14	-	0.790 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	2.74e+07	1.32 y	38:36	-	1.03 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	2.66e+07	1.22 y	38:46	-	0.996 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.18e+07	1.02 y	44:13	-	0.818 y
23	IS 13C-OCDD	200.00	2.71e+07	0.99 y	49:47	-	0.507 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.06e+07	0.86 y	26:40	-	0.923 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	5.94e+07	1.73 y	31:30	-	0.777 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	5.75e+07	1.68 y	32:49	-	0.752 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	4.93e+07	0.55 y	37:13	-	1.85 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	6.70e+07	0.55 y	37:24	-	2.51 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	5.33e+07	0.57 y	38:21	-	2.00 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	5.18e+07	0.55 y	39:48	-	1.94 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	2.79e+07	0.44 y	42:18	-	1.05 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.02e+07	0.42 y	45:09	-	0.756 y
33	IS 13C-OCDF	200.00	5.36e+07	0.96 y	50:09	-	1.00 y
34	C/Up 37Cl-2,3,7,8-TCDD	0.50	1.62e+05		27:26	-	0.696 y
35	RS 13C-1,2,3,4-TCDD	100.00	4.66e+07	0.83 y	26:51	4.66e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	7.65e+07	0.88 y	25:34	7.65e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	2.67e+07	1.27 y	39:13	2.67e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.09 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.08 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.33 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.47 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.60 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.890 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.890 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	0.860 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.28 y

Analyst: 

Date: 8/24/10

Run #3 Filename 23AUG10M
Client ID: ST082310M2

S: 5

Acquired: 23-AUG-10 18:07:23

Cal: PCDDFAL3-8-23-10

Analyte:

FAL ID: 1613 CS2 100511I

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	2.00	9.56e+05	0.76 y	27:26	-	1.06 y
2	Unk 1,2,3,7,8-PeCDD	10.00	3.99e+06	1.62 y	33:15	-	1.09 y
3	Unk 1,2,3,4,7,8-HxCDD	10.00	3.69e+06	1.40 y	38:38	-	1.31 y
4	Unk 1,2,3,6,7,8-HxCDD	10.00	3.71e+06	1.40 y	38:47	-	1.39 y
5	Unk 1,2,3,7,8,9-HxCDD	10.00	3.75e+06	1.40 y	39:14	-	1.37 y
6	Unk 1,2,3,4,6,7,8-HpCDD	10.00	3.22e+06	1.04 y	44:14	-	1.45 y
7	Unk OCDD	20.00	3.97e+06	0.89 y	49:47	-	1.42 y
8	Unk 2,3,7,8-TCDF	2.00	2.12e+06	0.69 y	26:41	-	1.50 y
9	Unk 1,2,3,7,8-PeCDF	10.00	5.47e+06	1.50 y	31:32	-	0.916 y
10	Unk 2,3,4,7,8-PeCDF	10.00	5.23e+06	1.51 y	32:51	-	0.913 y
11	Unk 1,2,3,4,7,8-HxCDF	10.00	4.43e+06	1.30 y	37:14	-	0.900 y
12	Unk 1,2,3,6,7,8-HxCDF	10.00	5.48e+06	1.24 y	37:26	-	0.819 y
13	Unk 2,3,4,6,7,8-HxCDF	10.00	4.88e+06	1.33 y	38:22	-	0.924 y
14	Unk 1,2,3,7,8,9-HxCDF	10.00	5.17e+06	1.28 y	39:49	-	0.990 y
15	Unk 1,2,3,4,6,7,8-HpCDF	10.00	4.10e+06	1.03 y	42:19	-	1.37 y
16	Unk 1,2,3,4,7,8,9-HpCDF	10.00	2.76e+06	1.01 y	45:09	-	1.33 y
17	Unk OCDF	20.00	4.20e+06	0.92 y	50:11	-	0.753 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	4.51e+07	0.83 y	27:25	-	0.970 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	3.68e+07	1.77 y	33:14	-	0.792 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	2.81e+07	1.27 y	38:36	-	1.06 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	2.66e+07	1.28 y	38:46	-	1.00 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.22e+07	1.02 y	44:13	-	0.835 y
23	IS 13C-OCDD	200.00	2.79e+07	0.95 y	49:47	-	0.524 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.06e+07	0.88 y	26:40	-	0.935 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	5.98e+07	1.74 y	31:30	-	0.791 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	5.73e+07	1.71 y	32:50	-	0.759 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	4.92e+07	0.55 y	37:13	-	1.85 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	6.70e+07	0.55 y	37:25	-	2.52 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	5.28e+07	0.56 y	38:21	-	1.98 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	5.23e+07	0.56 y	39:47	-	1.96 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	2.98e+07	0.43 y	42:18	-	1.12 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.07e+07	0.41 y	45:08	-	0.777 y
33	IS 13C-OCDF	200.00	5.58e+07	1.00 y	50:09	-	1.05 y
34	C/Up 37Cl-2,3,7,8-TCDD	2.00	5.87e+05		27:27	-	0.632 y
35	RS 13C-1,2,3,4-TCDD	100.00	4.65e+07	0.85 y	26:50	4.65e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	7.56e+07	0.87 y	25:35	7.56e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	2.66e+07	1.26 y	39:13	2.66e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.06 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.09 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.36 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.45 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.50 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.914 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.914 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	0.902 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.36 y


Analyst: 

Date: 8/24/10

Run #4 Filename 23AUG10M
 Client ID: ST082310M3

S: 1 Acquired: 23-AUG-10 14:25:46 Cal: PCDDFAL3-8-23-10
 Analyte: FAL ID: 1613 CS3 100511J

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	10.00	5.04e+06	0.73 y	27:24	-	1.16 y
2	Unk	1,2,3,7,8-PeCDD	50.00	1.95e+07	1.64 y	33:14	-	1.11 y
3	Unk	1,2,3,4,7,8-HxCDD	50.00	1.81e+07	1.41 y	38:36	-	1.36 y
4	Unk	1,2,3,6,7,8-HxCDD	50.00	1.75e+07	1.39 y	38:46	-	1.32 y
5	Unk	1,2,3,7,8,9-HxCDD	50.00	1.74e+07	1.41 y	39:13	-	1.30 y
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	1.56e+07	1.04 y	44:13	-	1.44 y
7	Unk	OCDD	100.00	1.96e+07	0.95 y	49:47	-	1.44 y
8	Unk	2,3,7,8-TCDF	10.00	9.40e+06	0.67 y	26:39	-	1.40 y
9	Unk	1,2,3,7,8-PeCDF	50.00	2.67e+07	1.53 y	31:30	-	0.959 y
10	Unk	2,3,4,7,8-PeCDF	50.00	2.56e+07	1.52 y	32:49	-	0.933 y
11	Unk	1,2,3,4,7,8-HxCDF	50.00	2.15e+07	1.29 y	37:12	-	0.905 y
12	Unk	1,2,3,6,7,8-HxCDF	50.00	2.72e+07	1.26 y	37:24	-	0.826 y
13	Unk	2,3,4,6,7,8-HxCDF	50.00	2.34e+07	1.24 y	38:21	-	0.892 y
14	Unk	1,2,3,7,8,9-HxCDF	50.00	2.60e+07	1.28 y	39:47	-	1.00 y
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	1.95e+07	1.04 y	42:18	-	1.39 y
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	1.37e+07	1.04 y	45:08	-	1.35 y
17	Unk	OCDF	100.00	2.16e+07	0.93 y	50:09	-	0.785 y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	4.35e+07	0.86 y	27:23	-	0.982 y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	3.51e+07	1.77 y	33:13	-	0.793 y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	2.66e+07	1.26 y	38:35	-	1.01 y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	2.66e+07	1.27 y	38:45	-	1.02 y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.18e+07	1.04 y	44:11	-	0.830 y
23	IS	13C-OCDD	200.00	2.73e+07	0.93 y	49:45	-	0.521 y
24	IS	13C-2,3,7,8-TCDF	100.00	6.73e+07	0.86 y	26:38	-	0.959 y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	5.57e+07	1.78 y	31:28	-	0.794 y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	5.49e+07	1.74 y	32:48	-	0.783 y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	4.74e+07	0.56 y	37:11	-	1.81 y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	6.58e+07	0.55 y	37:23	-	2.51 y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	5.25e+07	0.54 y	38:19	-	2.00 y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.18e+07	0.55 y	39:45	-	1.98 y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	2.80e+07	0.42 y	42:17	-	1.07 y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	2.02e+07	0.42 y	45:06	-	0.772 y
33	IS	13C-OCDF	200.00	5.49e+07	0.98 y	50:08	-	1.05 y
34	C/Up	37Cl-2,3,7,8-TCDD	10.00	2.77e+06		27:24	-	0.626 y
35	RS	13C-1,2,3,4-TCDD	100.00	4.42e+07	0.84 y	26:49	4.42e+05	- n
36	RS	13C-1,2,3,4-TCDF	100.00	7.01e+07	0.87 y	25:33	7.01e+05	- n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.62e+07	1.28 y	39:11	2.62e+05	- n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	-	1.16 y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	-	1.11 y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	-	1.33 y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	-	1.44 y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	-	1.40 y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.946 y
44	Tot	Total Penta-Furans	0.00	-	- n	-	-	0.946 y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	-	0.902 y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	-	1.37 y

Analyst:  Date: 8/24/10

Run #5 Filename 23AUG10M
Client ID: ST082310M4

S: 6

Acquired: 23-AUG-10 19:02:46

Cal: PCDDFAL3-8-23-10

Analyte:

FAL ID: 1613 CS4 100511K

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk 2,3,7,8-TCDD	40.00	2.29e+07	0.76 y	27:27	-	1.13 y
2	Unk 1,2,3,7,8-PeCDD	200.00	9.61e+07	1.62 y	33:16	-	1.15 y
3	Unk 1,2,3,4,7,8-HxCDD	200.00	9.66e+07	1.40 y	38:37	-	1.44 y
4	Unk 1,2,3,6,7,8-HxCDD	200.00	8.79e+07	1.41 y	38:47	-	1.43 y
5	Unk 1,2,3,7,8,9-HxCDD	200.00	9.29e+07	1.41 y	39:15	-	1.45 y
6	Unk 1,2,3,4,6,7,8-HpCDD	200.00	7.75e+07	1.03 y	44:14	-	1.45 y
7	Unk OCDD	400.00	9.77e+07	1.00 y	49:48	-	1.42 y
8	Unk 2,3,7,8-TCDF	40.00	4.55e+07	0.67 y	26:42	-	1.47 y
9	Unk 1,2,3,7,8-PeCDF	200.00	1.31e+08	1.55 y	31:31	-	0.991 y
10	Unk 2,3,4,7,8-PeCDF	200.00	1.25e+08	1.52 y	32:50	-	0.991 y
11	Unk 1,2,3,4,7,8-HxCDF	200.00	1.13e+08	1.27 y	37:14	-	0.995 y
12	Unk 1,2,3,6,7,8-HxCDF	200.00	1.35e+08	1.28 y	37:26	-	0.869 y
13	Unk 2,3,4,6,7,8-HxCDF	200.00	1.21e+08	1.26 y	38:23	-	0.979 y
14	Unk 1,2,3,7,8,9-HxCDF	200.00	1.38e+08	1.30 y	39:49	-	1.08 y
15	Unk 1,2,3,4,6,7,8-HpCDF	200.00	1.03e+08	1.03 y	42:19	-	1.49 y
16	Unk 1,2,3,4,7,8,9-HpCDF	200.00	7.19e+07	1.05 y	45:09	-	1.45 y
17	Unk OCDF	400.00	1.19e+08	0.92 y	50:11	-	0.860 y
18	IS/RT 13C-2,3,7,8-TCDD	100.00	5.05e+07	0.85 y	27:25	-	1.15 y
19	IS 13C-1,2,3,7,8-PeCDD	100.00	4.17e+07	1.76 y	33:14	-	0.955 y
20	IS 13C-1,2,3,4,7,8-HxCDD	100.00	3.35e+07	1.27 y	38:37	-	1.12 y
21	IS 13C-1,2,3,6,7,8-HxCDD	100.00	3.08e+07	1.28 y	38:46	-	1.03 y
22	IS 13C-1,2,3,4,6,7,8-HpCDD	100.00	2.67e+07	1.01 y	44:13	-	0.896 y
23	IS 13C-OCDD	200.00	3.44e+07	0.94 y	49:47	-	0.578 y
24	IS 13C-2,3,7,8-TCDF	100.00	7.76e+07	0.88 y	26:41	-	1.12 y
25	IS 13C-1,2,3,7,8-PeCDF	100.00	6.59e+07	1.75 y	31:30	-	0.954 y
26	IS 13C-2,3,4,7,8-PeCDF	100.00	6.31e+07	1.73 y	32:49	-	0.913 y
27	IS 13C-1,2,3,4,7,8-HxCDF	100.00	5.67e+07	0.55 y	37:13	-	1.91 y
28	IS 13C-1,2,3,6,7,8-HxCDF	100.00	7.79e+07	0.55 y	37:25	-	2.62 y
29	IS 13C-2,3,4,6,7,8-HxCDF	100.00	6.19e+07	0.54 y	38:21	-	2.08 y
30	IS 13C-1,2,3,7,8,9-HxCDF	100.00	6.38e+07	0.54 y	39:48	-	2.14 y
31	IS 13C-1,2,3,4,6,7,8-HpCDF	100.00	3.44e+07	0.43 y	42:18	-	1.16 y
32	IS 13C-1,2,3,4,7,8,9-HpCDF	100.00	2.48e+07	0.43 y	45:08	-	0.832 y
33	IS 13C-OCDF	200.00	6.90e+07	0.99 y	50:09	-	1.16 y
34	C/Up 37Cl-2,3,7,8-TCDD	40.00	1.32e+07		27:27	-	0.757 y
35	RS 13C-1,2,3,4-TCDD	100.00	4.37e+07	0.85 y	26:50	4.37e+05	- n
36	RS 13C-1,2,3,4-TCDF	100.00	6.91e+07	0.87 y	25:35	6.91e+05	- n
37	RS/RT 13C-1,2,3,7,8,9-HxCDD	100.00	2.98e+07	1.25 y	39:13	2.98e+05	- n
38	Tot Total Tetra-Dioxins	0.00	-	- n	-	-	1.13 y
39	Tot Total Penta-Dioxins	0.00	-	- n	-	-	1.15 y
40	Tot Total Hexa-Dioxins	0.00	-	- n	-	-	1.44 y
41	Tot Total Hepta-Dioxins	0.00	-	- n	-	-	1.45 y
42	Tot Total Tetra-Furans	0.00	-	- n	-	-	1.47 y
43	Tot 1st Fn. Tot Penta-Furans	0.00	-	- n	-	-	0.991 y
44	Tot Total Penta-Furans	0.00	-	- n	-	-	0.991 y
45	Tot Total Hexa-Furans	0.00	-	- n	-	-	0.974 y
46	Tot Total Hepta-Furans	0.00	-	- n	-	-	1.47 y

Analyst: 


Date: 8/24/10

Run #6 Filename 23AUG10M
Client ID: ST082310M5

S: 7 Acquired: 23-AUG-10 19:58:08 Cal: PCDDFAL3-8-23-10
Analyte: PCDDFAL3-8-23-10

FAL ID: 1613 CS5 100511L

Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	200.00	1.06e+08	0.76 y	27:26	- 1.14 y
2	Unk	1,2,3,7,8-PeCDD	1000.00	4.58e+08	1.63 y	33:15	- 1.15 y
3	Unk	1,2,3,4,7,8-HxCDD	1000.00	4.92e+08	1.39 y	38:38	- 1.42 y
4	Unk	1,2,3,6,7,8-HxCDD	1000.00	4.34e+08	1.40 y	38:48	- 1.42 y
5	Unk	1,2,3,7,8,9-HxCDD	1000.00	4.72e+08	1.38 y	39:14	- 1.45 y
6	Unk	1,2,3,4,6,7,8-HpCDD	1000.00	4.12e+08	1.03 y	44:14	- 1.48 y
7	Unk	OCDD	2000.00	5.93e+08	0.92 y	49:50	- 1.59 y
8	Unk	2,3,7,8-TCDF	200.00	2.14e+08	0.66 y	26:41	- 1.48 y
9	Unk	1,2,3,7,8-PeCDF	1000.00	6.33e+08	1.52 y	31:32	- 0.985 y
10	Unk	2,3,4,7,8-PeCDF	1000.00	6.21e+08	1.52 y	32:51	- 1.00 y
11	Unk	1,2,3,4,7,8-HxCDF	1000.00	5.58e+08	1.28 y	37:14	- 0.996 y
12	Unk	1,2,3,6,7,8-HxCDF	1000.00	6.54e+08	1.27 y	37:26	- 0.876 y
13	Unk	2,3,4,6,7,8-HxCDF	1000.00	5.98e+08	1.27 y	38:22	- 0.989 y
14	Unk	1,2,3,7,8,9-HxCDF	1000.00	7.04e+08	1.28 y	39:49	- 1.08 y
15	Unk	1,2,3,4,6,7,8-HpCDF	1000.00	5.19e+08	1.05 y	42:20	- 1.47 y
16	Unk	1,2,3,4,7,8,9-HpCDF	1000.00	4.06e+08	1.08 y	45:09	- 1.50 y
17	Unk	OCDF	2000.00	6.38e+08	0.93 y	50:12	- 0.869 y
18	IS/RT	13C-2,3,7,8-TCDD	100.00	4.62e+07	0.84 y	27:25	- 1.08 y
19	IS	13C-1,2,3,7,8-PeCDD	100.00	4.00e+07	1.76 y	33:15	- 0.933 y
20	IS	13C-1,2,3,4,7,8-HxCDD	100.00	3.46e+07	1.27 y	38:37	- 1.16 y
21	IS	13C-1,2,3,6,7,8-HxCDD	100.00	3.07e+07	1.25 y	38:46	- 1.03 y
22	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	2.78e+07	1.04 y	44:13	- 0.932 y
23	IS	13C-OCDD	200.00	3.72e+07	0.93 y	49:49	- 0.625 y
24	IS	13C-2,3,7,8-TCDF	100.00	7.26e+07	0.87 y	26:40	- 1.05 y
25	IS	13C-1,2,3,7,8-PeCDF	100.00	6.43e+07	1.73 y	31:30	- 0.931 y
26	IS	13C-2,3,4,7,8-PeCDF	100.00	6.19e+07	1.73 y	32:49	- 0.896 y
27	IS	13C-1,2,3,4,7,8-HxCDF	100.00	5.60e+07	0.55 y	37:13	- 1.88 y
28	IS	13C-1,2,3,6,7,8-HxCDF	100.00	7.47e+07	0.56 y	37:25	- 2.51 y
29	IS	13C-2,3,4,6,7,8-HxCDF	100.00	6.05e+07	0.56 y	38:21	- 2.03 y
30	IS	13C-1,2,3,7,8,9-HxCDF	100.00	6.55e+07	0.54 y	39:47	- 2.20 y
31	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	3.52e+07	0.44 y	42:18	- 1.18 y
32	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	2.71e+07	0.42 y	45:08	- 0.909 y
33	IS	13C-OCDF	200.00	7.35e+07	0.99 y	50:11	- 1.23 y
34	C/Up	37Cl-2,3,7,8-TCDD	200.00	6.26e+07		27:26	- 0.731 y
35	RS	13C-1,2,3,4-TCDD	100.00	4.28e+07	0.84 y	26:50	4.28e+05 - n
36	RS	13C-1,2,3,4-TCDF	100.00	6.91e+07	0.87 y	25:34	6.91e+05 - n
37	RS/RT	13C-1,2,3,7,8,9-HxCDD	100.00	2.98e+07	1.25 y	39:13	2.98e+05 - n
38	Tot	Total Tetra-Dioxins	0.00	-	- n	-	- 1.14 y
39	Tot	Total Penta-Dioxins	0.00	-	- n	-	- 1.15 y
40	Tot	Total Hexa-Dioxins	0.00	-	- n	-	- 1.43 y
41	Tot	Total Hepta-Dioxins	0.00	-	- n	-	- 1.48 y
42	Tot	Total Tetra-Furans	0.00	-	- n	-	- 1.48 y
43	Tot	1st Fn. Tot Penta-Furans	0.00	-	- n	-	- 0.994 y
44	Tot	Total Penta-Furans	0.00	-	- n	-	- 0.994 y
45	Tot	Total Hexa-Furans	0.00	-	- n	-	- 0.980 y
46	Tot	Total Hepta-Furans	0.00	-	- n	-	- 1.48 y

Analyst: 

Date: 

USEPA - ITD

FORM 3A

PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 8/23/10


Instrument ID: FAL3 GC Column ID: db5

CS0 Data Filename: 23AUG10M S3 CS3 Data Filename: 23AUG10M S1

CS1 Data Filename: 23AUG10M S4 CS4 Data Filename: 23AUG10M S6

CS2 Data Filename: 23AUG10M S5 CS5 Data Filename: 23AUG10M S7

	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
NATIVE ANALYTES								
2,3,7,8-TCDD	1.07	1.09	1.06	1.16	1.13	1.14	1.11	3.63
1,2,3,7,8-PeCDD	1.03	1.08	1.09	1.11	1.15	1.15	1.10	4.14
1,2,3,4,7,8-HxCDD	1.40	1.30	1.31	1.36	1.44	1.42	1.37	4.29
1,2,3,6,7,8-HxCDD	1.30	1.38	1.39	1.32	1.43	1.42	1.37	3.80
1,2,3,7,8,9-HxCDD	1.29	1.31	1.37	1.30	1.45	1.45	1.36	5.24
1,2,3,4,6,7,8-HpCDD	1.43	1.47	1.45	1.44	1.45	1.48	1.45	1.37
OCDD	1.37	1.37	1.42	1.44	1.42	1.59	1.43	5.81
2,3,7,8-TCDF	1.57	1.60	1.50	1.40	1.47	1.48	1.50	4.91
1,2,3,7,8-PeCDF	0.92	0.88	0.92	0.96	0.99	0.99	0.94	4.53
2,3,4,7,8-PeCDF	0.88	0.90	0.91	0.93	0.99	1.00	0.94	5.35
1,2,3,4,7,8-HxCDF	0.90	0.88	0.90	0.91	0.99	1.00	0.93	5.70
1,2,3,6,7,8-HxCDF	0.75	0.79	0.82	0.83	0.87	0.88	0.82	5.91
2,3,4,6,7,8-HxCDF	0.87	0.86	0.92	0.89	0.98	0.99	0.92	6.02
1,2,3,7,8,9-HxCDF	0.90	0.94	0.99	1.00	1.08	1.08	1.00	7.30
1,2,3,4,6,7,8-HpCDF	1.28	1.33	1.37	1.39	1.49	1.47	1.39	5.78
1,2,3,4,7,8,9-HpCDF	1.30	1.20	1.33	1.35	1.45	1.50	1.36	7.94
OCDF	0.73	0.72	0.75	0.79	0.86	0.87	0.79	8.29

Analyst:  Date: 8/24/10

USEPA - ITD

FORM 3B

PCDD/PCDF INITIAL CALIBRATION RELATIVE RESPONSES

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3 GC Column ID: db5

CS0 Data Filename: 23AUG10M S3 CS4 Data Filename: 23AUG10M S1

CS1 Data Filename: 23AUG10M S4 CS4 Data Filename: 23AUG10M S6

CS2 Data Filename: 23AUG10M S5 CS5 Data Filename: 23AUG10M S7

Labeled Compounds	RELATIVE RESPONSE (RR)						MEAN RR	Cv (%RSD)
	CS1	CS2	CS3	CS4	CS5	CS6		
13C-2,3,7,8-TCDD	0.98	0.98	0.97	0.98	1.15	1.08	1.02	7.46
13C-1,2,3,7,8-PeCDD	0.79	0.79	0.79	0.79	0.95	0.93	0.84	9.48
13C-1,2,3,4,7,8-HxCDD	1.06	1.03	1.06	1.01	1.12	1.16	1.07	5.40
13C-1,2,3,6,7,8-HxCDD	1.00	1.00	1.00	1.02	1.03	1.03	1.01	1.62
13C-1,2,3,4,6,7,8-HpCDD	0.82	0.82	0.84	0.83	0.90	0.93	0.86	5.45
13C-OCDD	0.52	0.51	0.52	0.52	0.58	0.63	0.55	8.36
13C-2,3,7,8-TCDF	0.97	0.92	0.93	0.96	1.12	1.05	0.99	7.79
13C-1,2,3,7,8-PeCDF	0.78	0.78	0.79	0.79	0.95	0.93	0.84	9.74
13C-2,3,4,7,8-PeCDF	0.77	0.75	0.76	0.78	0.91	0.90	0.81	8.97
13C-1,2,3,4,7,8-HxCDF	1.82	1.85	1.85	1.81	1.91	1.88	1.85	2.00
13C-1,2,3,6,7,8-HxCDF	2.55	2.51	2.52	2.51	2.62	2.51	2.54	1.71
13C-2,3,4,6,7,8-HxCDF	2.00	2.00	1.98	2.00	2.08	2.03	2.01	1.79
13C-1,2,3,7,8,9-HxCDF	1.97	1.94	1.96	1.98	2.14	2.20	2.03	5.42
13C-1,2,3,4,6,7,8-HpCDF	1.08	1.05	1.12	1.07	1.16	1.18	1.11	4.80
13C-1,2,3,4,7,8,9-HpCDF	0.78	0.76	0.78	0.77	0.83	0.91	0.80	7.16
13C-OCDF	1.00	1.00	1.05	1.05	1.16	1.23	1.08	8.63
CLEANUP STANDARD								
37Cl-2,3,7,8-TCDD	0.67	0.70	0.63	0.63	0.76	0.73	0.69	7.67

Analyst: Date: 8/24/10

USEPA - ITD

FORM 3C

PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3

GC Column ID: db5

CS0 Data Filename: 23AUG10M S3 CS3 Data Filename: 23AUG10M S1

CS1 Data Filename: 23AUG10M S4 CS4 Data Filename: 23AUG10M S6

CS2 Data Filename: 23AUG10M S5 CS5 Data Filename: 23AUG10M S7

NATIVE ANALYTES	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS						QC LIMITS
		CS1	CS2	CS3	CS4	CS5	CS6	
2,3,7,8-TCDD	M/M+2	0.73	0.74	0.76	0.73	0.76	0.76	0.65-0.89
1,2,3,7,8-PeCDD	M+2/M+4	1.70	1.61	1.62	1.64	1.62	1.63	1.32-1.78
1,2,3,4,7,8-HxCDD	M+2/M+4	1.42	1.42	1.40	1.41	1.40	1.39	1.05-1.43
1,2,3,6,7,8-HxCDD	M+2/M+4	1.40	1.42	1.40	1.39	1.41	1.40	1.05-1.43
1,2,3,7,8,9-HxCDD	M+2/M+4	1.41	1.39	1.40	1.41	1.41	1.38	1.05-1.43
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.02	1.07	1.04	1.04	1.03	1.03	0.88-1.20
OCDD	M+2/M+4	1.00	0.99	0.89	0.95	1.00	0.92	0.76-1.02
2,3,7,8-TCDF	M/M+2	0.67	0.69	0.69	0.67	0.67	0.66	0.65-0.89
1,2,3,7,8-PeCDF	M+2/M+4	1.49	1.45	1.50	1.53	1.55	1.52	1.32-1.78
2,3,4,7,8-PeCDF	M+2/M+4	1.48	1.43	1.51	1.52	1.52	1.52	1.32-1.78
1,2,3,4,7,8-HxCDF	M+2/M+4	1.22	1.27	1.30	1.29	1.27	1.28	1.05-1.43
1,2,3,6,7,8-HxCDF	M+2/M+4	1.31	1.22	1.24	1.26	1.28	1.27	1.05-1.43
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.31	1.33	1.24	1.26	1.27	1.05-1.43
1,2,3,7,8,9-HxCDF	M+2/M+4	1.15	1.23	1.28	1.28	1.30	1.28	1.05-1.43
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	1.05	1.03	1.04	1.03	1.05	0.88-1.20
1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.99	1.06	1.01	1.04	1.05	1.08	0.88-1.20
OCDF	M+2/M+4	0.93	0.89	0.92	0.93	0.92	0.93	0.76-1.02

Analyst: 

Date: 8/24/10

FORM 3D

PCDD/PCDF INITIAL CALIBRATION ION ABUNDANCE RATIOS

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3 GC Column ID: db5

CS0 Data Filename: 23AUG10M S3 CS3 Data Filename: 23AUG10M S1

CS1 Data Filename: 23AUG10M S4 CS4 Data Filename: 23AUG10M S6

CS2 Data Filename: 23AUG10M S5 CS5 Data Filename: 23AUG10M S7

Labeled Compounds	M/Z'S FORMING RATIO	ION ABUNDANCE RATIOS						QC LIMITS
		CS1	CS2	CS3	CS4	CS5	CS6	
13C-2,3,7,8-TCDD	M/M+2	0.85	0.84	0.83	0.86	0.85	0.84	0.65-0.89
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.77	1.77	1.77	1.77	1.76	1.76	1.32-1.78
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.32	1.27	1.26	1.27	1.27	1.05-1.43
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.22	1.28	1.27	1.28	1.25	1.05-1.43
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.00	1.02	1.02	1.04	1.01	1.04	0.88-1.20
13C-OCDD	M+2/M+4	1.00	0.99	0.95	0.93	0.94	0.93	0.76-1.02
13C-2,3,7,8-TCDF	M/M+2	0.88	0.86	0.88	0.86	0.88	0.87	0.65-0.89
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.74	1.73	1.74	1.78	1.75	1.73	1.32-1.78
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.74	1.68	1.71	1.74	1.73	1.73	1.32-1.78
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.55	0.55	0.55	0.56	0.55	0.55	0.43-0.59
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.56	0.55	0.55	0.55	0.55	0.56	0.43-0.59
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.58	0.57	0.56	0.54	0.54	0.56	0.43-0.59
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.54	0.55	0.56	0.55	0.54	0.54	0.43-0.59
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.42	0.44	0.43	0.42	0.43	0.44	0.37-0.51
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.43	0.42	0.41	0.42	0.43	0.42	0.37-0.51
13C-OCDF	M+2/M+4	0.95	0.96	1.00	0.98	0.99	0.99	0.76-1.02

Analyst: 

Date: 8/24/10

USEPA - ITD

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3

GC Column ID: db5

VER Data Filename: 23AUG10M Sam:1

Analysis Date: 23-AUG-10 14:25:46

NATIVE ANALYTES	M/Z'S	ION	QC	ACCEPT	CONC.	CONC.
	FORMING	ABUND.	LIMITS		FOUND	RANGE
	RATIO (1)	RATIO	(2)			(ng/mL) (3)
2,3,7,8-TCDD	M/M+2	0.73	0.65-0.89	y	10.4	7.80 - 12.9
1,2,3,7,8-PeCDD	M+2/M+4	1.64	1.32-1.78	y	50.6	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.41	1.05-1.43	y	49.6	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.39	1.05-1.43	y	48.0	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.41	1.05-1.43	y	47.9	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88-1.20	y	49.5	43.0 - 58.0
OCDD	M+2/M+4	0.95	0.76-1.02	y	100	79.0 - 126
2,3,7,8-TCDF	M/M+2	0.67	0.65-0.89	y	9.30	8.40 - 12.0
1,2,3,7,8-PeCDF	M+2/M+4	1.53	1.32-1.78	y	50.9	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.52	1.32-1.78	y	49.8	41.0 - 60.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.29	1.05-1.43	y	48.8	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05-1.43	y	50.3	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.24	1.05-1.43	y	48.5	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.28	1.05-1.43	y	50.3	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	0.88-1.20	y	49.9	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88-1.20	y	49.8	43.0 - 58.0
OCDF	M+2/M+4	0.93	0.76-1.02	y	99.9	63.0 - 159

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

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

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

Analyst: Date: 8/24/10

USEPA - ITD

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3

GC Column ID: db5

VER Data Filename: 23AUG10M Sam:1

Analysis Date: 23-AUG-10 14:25:46

LABELED COMPOUNDS	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
13C-2,3,7,8-TCDD	M/M+2	0.86	0.65-0.89	y	95.9	82.0 - 121
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.77	1.32-1.78	y	94.2	62.0 - 160
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05-1.43	y	94.5	85.0 - 117
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05-1.43	y	100	85.0 - 118
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.04	0.88-1.20	y	97.0	72.0 - 138
13C-OCDD	M+2/M+4	0.93	0.76-1.02	y	191	96.0 - 415
13C-2,3,7,8-TCDF	M/M+2	0.86	0.65-0.89	y	96.5	71.0 - 140
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.78	1.32-1.78	y	94.8	76.0 - 130
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.74	1.32-1.78	y	96.5	77.0 - 130
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.56	0.43-0.59	y	97.7	76.0 - 131
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.55	0.43-0.59	y	99.0	70.0 - 143
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.54	0.43-0.59	y	99.4	73.0 - 137
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.55	0.43-0.59	y	97.2	74.0 - 135
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.42	0.37-0.51	y	96.4	78.0 - 129
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.42	0.37-0.51	y	96.0	77.0 - 129
13C-OCDF	M+2/M+4	0.98	0.76-1.02	y	194	96.0 - 415
CLEANUP STANDARD (4)						
37Cl-2,3,7,8-TCDD					9.14	7.80 - 12.8

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

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

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

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

Analyst: Date: 8/24/10

FORM 5
PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Frontier Analytical Laboratory Episode No.:
Contract No.: SAS No.:
Instrument ID: FAL3 Initial Calibration Date: 8/23/10
RT Window Data Filename: 23AUG10M Sam:1 Analysis Date: 23-AUG-10 Time: 14:25:46
DB-5 IS Data Filename: 23AUG10M Sam:1 Analysis Date: 23-AUG-10 Time: 14:25:46
DB-225 IS Data Filename: Analysis Date: Time:

DB-5 RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	24:24	1,3,6,8-TCDF (F)	23:04
1,2,8,9-TCDD (L)	28:21	1,2,8,9-TCDF (L)	28:34
1,2,4,7,9-PeCDD (F)	30:15	1,3,4,6,8-PeCDF (F)	28:25
1,2,3,8,9-PeCDD (L)	33:48	1,2,3,8,9-PeCDF (L)	34:14
1,2,4,6,7,9-HxCDD (F)	36:08	1,2,3,4,6,8-HxCDF (F)	35:15
1,2,3,7,8,9-HxCDD (L)	39:13	1,2,3,7,8,9-HxCDF (L)	39:47
1,2,3,4,6,7,9-HpCDD (F)	42:49	1,2,3,4,6,7,8-HpCDF (F)	42:18
1,2,3,4,6,7,8-HpCDD (L)	44:13	1,2,3,4,7,8,9-HpCDF (L)	45:08

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

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

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

Analyst: 

Date: 8/24/10

USEPA - ITD

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 8/23/10

Instrument ID: FAL3

GC Column ID: db5

Analysis Date: 23-AUG-10 14:25:46

CS3 or VER Data Filename: 23AUG10M

Sam:1

NATIVE ANALYTES	RETENTION TIME		RRT	RRT
	REFERENCE			QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD		1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF		1.001	0.999-1.003
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD		1.001	0.999-1.002
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF		1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF		1.001	0.999-1.002
LABELED COMPOUNDS				
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD		1.022	0.989-1.052
13C-2,3,7,8-TCDD			1.021	0.976-1.043
13C-2,3,7,8-TCDF			0.993	0.923-1.103
13C-1,2,3,7,8-PeCDD			1.239	1.000-1.567
13C-1,2,3,7,8-PeCDF			1.174	0.923-1.203
13C-2,3,4,7,8-PeCDF			1.223	0.923-1.303

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

Analyst: Date: 8/24/10

USEPA - ITD

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 8/23/10

Instrument ID: FAL3

GC Column ID: db5

Analysis Date: 23-AUG-10 14:25:46

CS3 or VER Data Filename: 23AUG10M

Sam:1

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.000	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.000	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.012	1.000-1.019
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.001	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.001	0.999-1.001
OCDD	13C-OCDD	1.001	0.999-1.001
OCDF	13C-OCDF	1.000	0.999-1.001
LABELED COMPOUNDS			
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,7,8,9-HxCDD	0.985	0.977-1.000
13C-1,2,3,6,7,8-HxCDD		0.989	0.981-1.003
13C-1,2,3,4,7,8-HxCDF		0.949	0.944-0.970
13C-1,2,3,6,7,8-HxCDF		0.954	0.949-0.975
13C-2,3,4,6,7,8-HxCDF		0.978	0.959-1.021
13C-1,2,3,7,8,9-HxCDF		1.014	0.977-1.047
13C-1,2,3,4,6,7,8-HpCDD		1.128	1.086-1.130
13C-1,2,3,4,6,7,8-HpCDF		1.079	1.043-1.085
13C-1,2,3,4,7,8,9-HpCDF		1.151	1.057-1.154
13C-OCDD		1.270	1.032-1.311
13C-OCDF		1.279	1.000-1.311

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

Analyst: Date: 8/24/10

WHO 1998 Tox: 125 WHO 2005 Tox: 114
 Conc Qual Fac Noise-1 Noise-2 DL

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	DL
2,3,7,8-TCDD	5.04e+06	0.73 y	27:24	1.11	10.4		2.50	-	-	*
1,2,3,7,8-PeCDD	1.95e+07	1.64 y	33:14	1.10	50.6		2.50	-	-	*
1,2,3,4,7,8-HxCDD	1.81e+07	1.41 y	38:36	1.37	49.6		2.50	-	-	*
1,2,3,6,7,8-HxCDD	1.75e+07	1.39 y	38:46	1.37	48.0		2.50	-	-	*
1,2,3,7,8,9-HxCDD	1.74e+07	1.41 y	39:13	1.36	47.9		2.50	-	-	*
1,2,3,4,6,7,8-HpCDD	1.56e+07	1.04 y	44:13	1.45	49.5		2.50	-	-	*
OCDD	1.96e+07	0.95 y	49:47	1.43	100		2.50	-	-	*
2,3,7,8-TCDF	9.40e+06	0.67 y	26:39	1.50	9.30		2.50	-	-	*
1,2,3,7,8-PeCDF	2.67e+07	1.53 y	31:30	0.94	50.9		2.50	-	-	*
2,3,4,7,8-PeCDF	2.56e+07	1.52 y	32:49	0.94	49.8		2.50	-	-	*
1,2,3,4,7,8-HxCDF	2.15e+07	1.29 y	37:12	0.93	48.8		2.50	-	-	*
1,2,3,6,7,8-HxCDF	2.72e+07	1.26 y	37:24	0.82	50.3		2.50	-	-	*
2,3,4,6,7,8-HxCDF	2.34e+07	1.24 y	38:21	0.92	48.5		2.50	-	-	*
1,2,3,7,8,9-HxCDF	2.60e+07	1.28 y	39:47	1.00	50.3		2.50	-	-	*
1,2,3,4,6,7,8-HpCDF	1.95e+07	1.04 y	42:18	1.39	49.9		2.50	-	-	*
1,2,3,4,7,8,9-HpCDF	1.37e+07	1.04 y	45:08	1.36	49.8		2.50	-	-	*
OCDF	2.16e+07	0.93 y	50:09	0.79	99.9		2.50	-	-	*
Rec										
13C-2,3,7,8-TCDD	4.35e+07	0.86 y	27:23	1.02	95.9					95.9
13C-1,2,3,7,8-PeCDD	3.51e+07	1.77 y	33:13	0.84	94.2					94.2
13C-1,2,3,4,7,8-HxCDD	2.66e+07	1.26 y	38:35	1.07	94.5					94.5
13C-1,2,3,6,7,8-HxCDD	2.66e+07	1.27 y	38:45	1.01	100					100
13C-1,2,3,4,6,7,8-HpCDD	2.18e+07	1.04 y	44:11	0.86	97.0					97.0
13C-OCDD	2.73e+07	0.93 y	49:45	0.55	191					95.3
13C-2,3,7,8-TCDF	6.73e+07	0.86 y	26:38	0.99	96.5					96.5
13C-1,2,3,7,8-PeCDF	5.57e+07	1.78 y	31:28	0.84	94.8					94.8
13C-2,3,4,7,8-PeCDF	5.49e+07	1.74 y	32:48	0.81	96.5					96.5
13C-1,2,3,4,7,8-HxCDF	4.74e+07	0.56 y	37:11	1.85	97.7					97.7
13C-1,2,3,6,7,8-HxCDF	6.58e+07	0.55 y	37:23	2.54	99.0					99.0
13C-2,3,4,6,7,8-HxCDF	5.25e+07	0.54 y	38:19	2.01	99.4					99.4
13C-1,2,3,7,8,9-HxCDF	5.18e+07	0.55 y	39:45	2.03	97.2					97.2
13C-1,2,3,4,6,7,8-HpCDF	2.80e+07	0.42 y	42:17	1.11	96.4					96.4
13C-1,2,3,4,7,8,9-HpCDF	2.02e+07	0.42 y	45:06	0.80	96.0					96.0
13C-OCDF	5.49e+07	0.98 y	50:08	1.08	194					96.8
37Cl-2,3,7,8-TCDD	2.77e+06		27:24	0.69	9.14					91.4
13C-1,2,3,4-TCDD	4.42e+07	0.84 y	26:49	-	98.4					
13C-1,2,3,4-TCDF	7.01e+07	0.87 y	25:33	-	97.0					
13C-1,2,3,7,8,9-HxCDD	2.62e+07	1.28 y	39:11	-	95.1					
Fac Noise-1 Noise-2 DL #Hom										
Total Tetra-Dioxins	2.58e+07		24:24	1.11	53.5	2.50	-	-	*	19
Total Penta-Dioxins	4.23e+07		30:15	1.10	109	2.50	-	-	*	7
Total Hexa-Dioxins	6.03e+07		36:08	1.37	165	2.50	-	-	*	11
Total Hepta-Dioxins	3.51e+07		42:49	1.45	111	2.50	-	-	*	20
Total Tetra-Furans	4.14e+07		23:04	1.50	41.0	2.50	-	-	*	9
1st Fn. Tot Penta-Furans	3.21e+07		28:25	0.94	61.7	2.50	-	-	*	PeCDF 1
Total Penta-Furans	7.50e+07		30:12	0.94	144	2.50	-	-	*	206 15
Total Hexa-Furans	1.14e+08		35:15	0.91	230	2.50	-	-	*	8
Total Hepta-Furans	3.43e+07		42:18	1.38	103	2.50	-	-	*	14

Analyst: 

Date: 8/31/10

Frontier Analytical Laboratory - Acquisition Log


Run Name:23AUG10M

Instrument: FAL3

GC: DB5

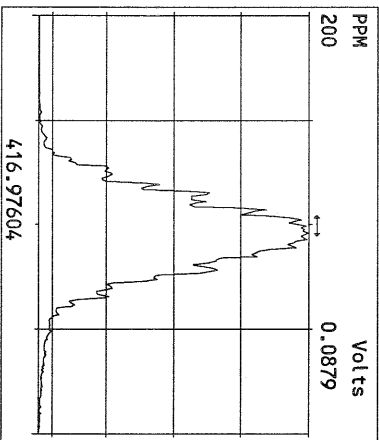
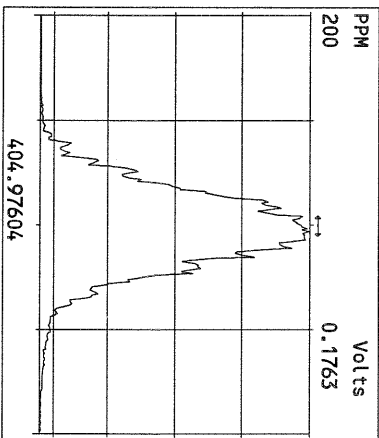
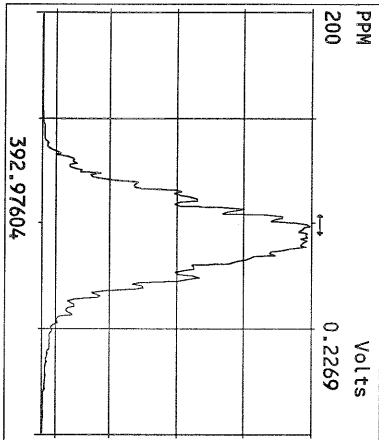
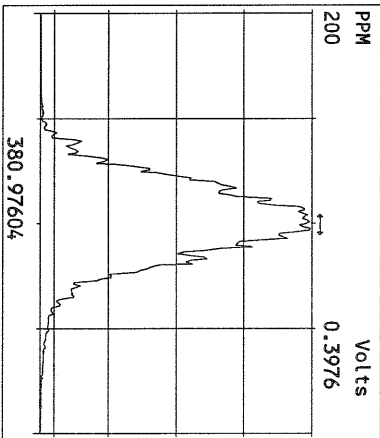
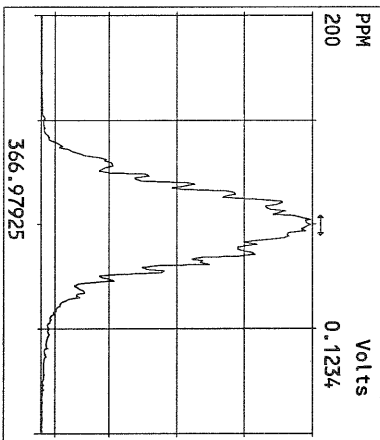
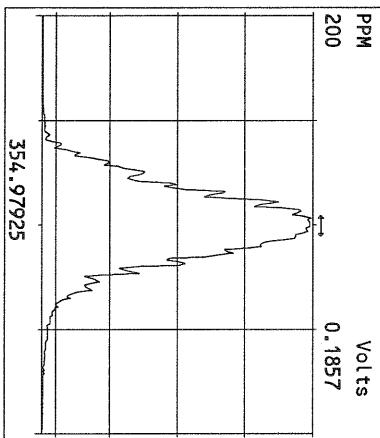
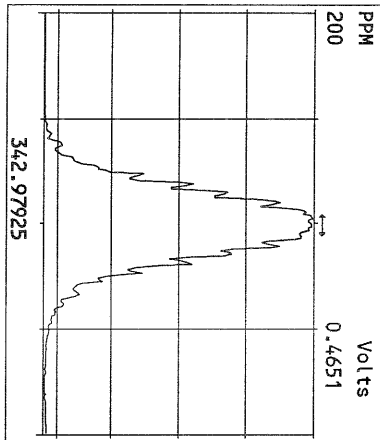
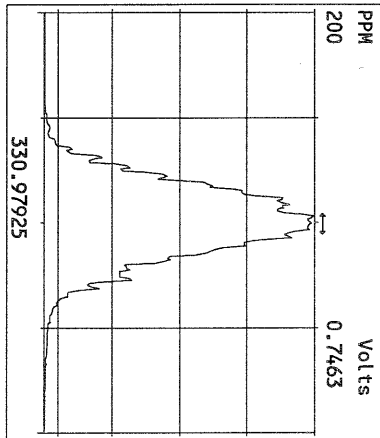
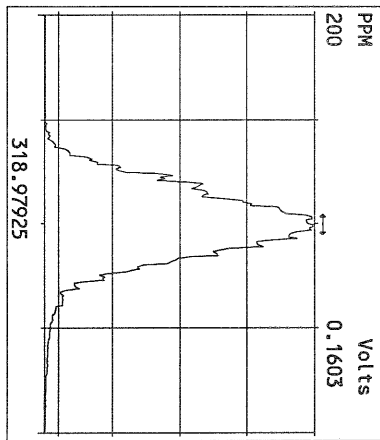
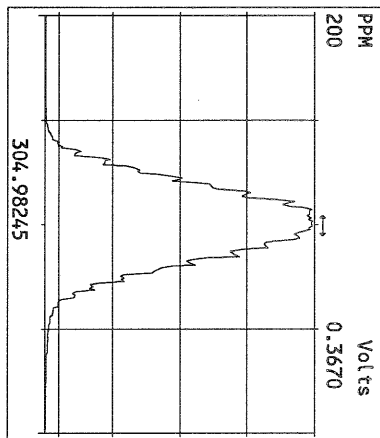
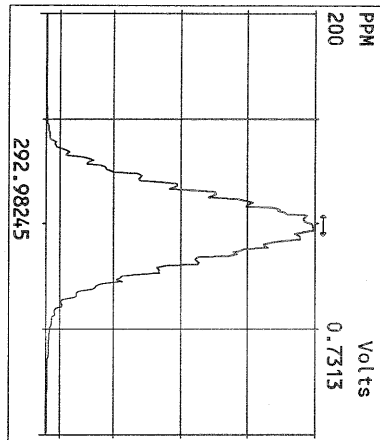
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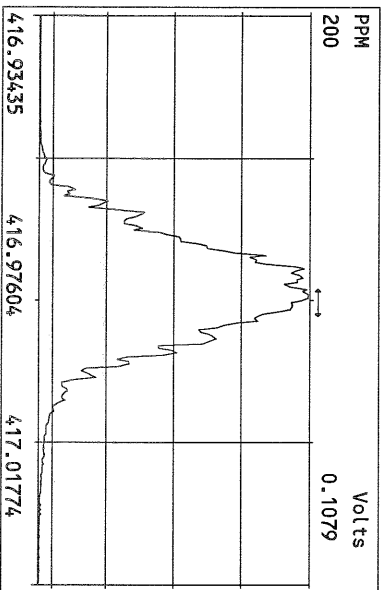
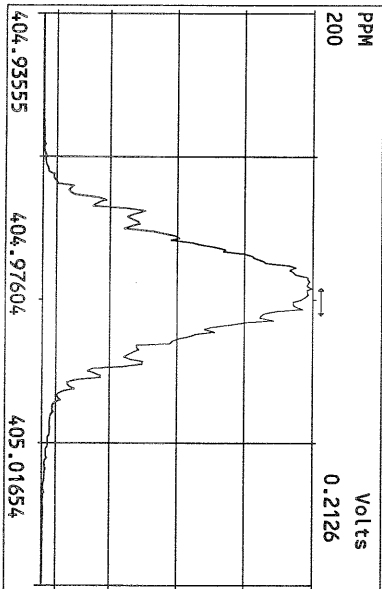
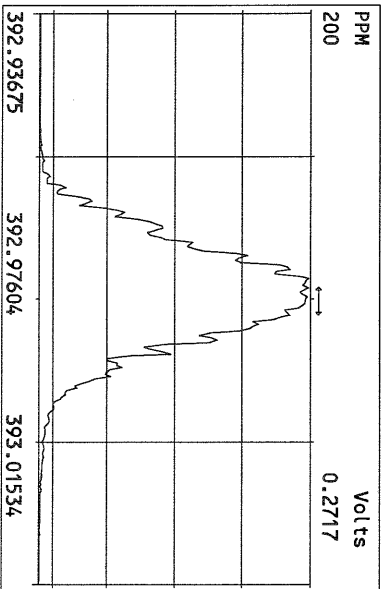
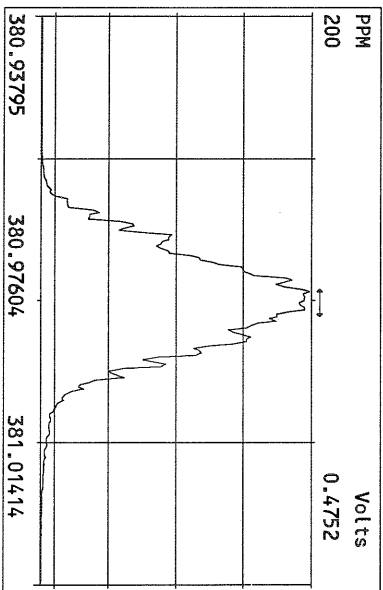
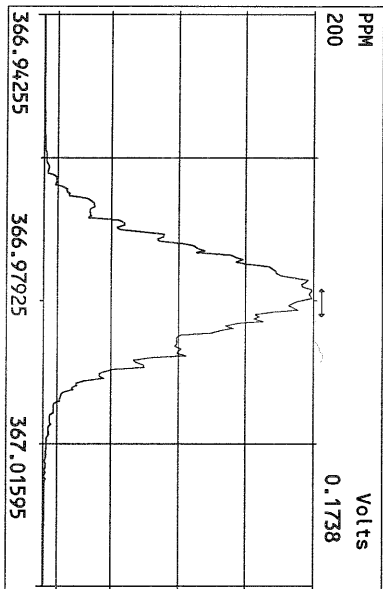
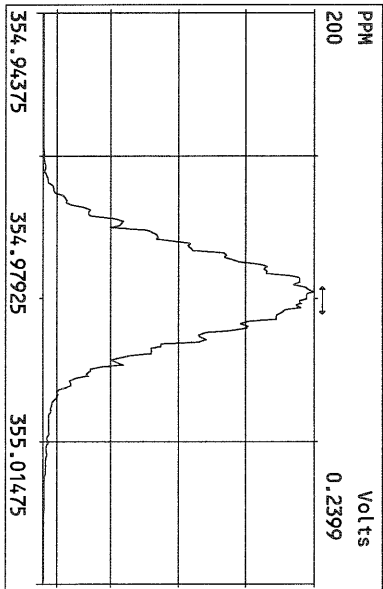
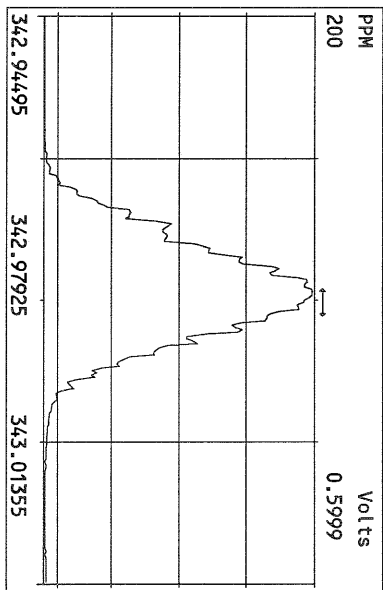
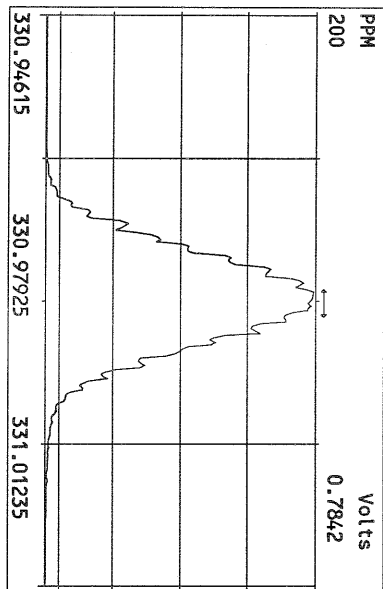
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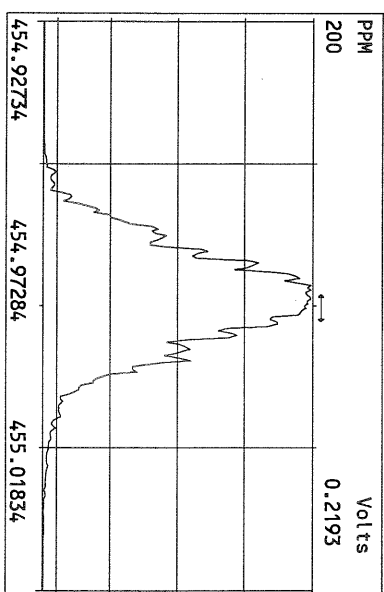
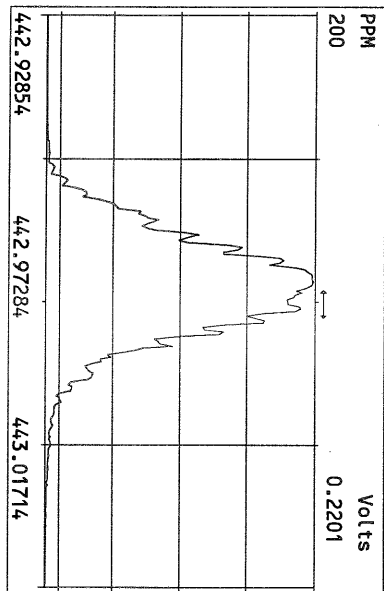
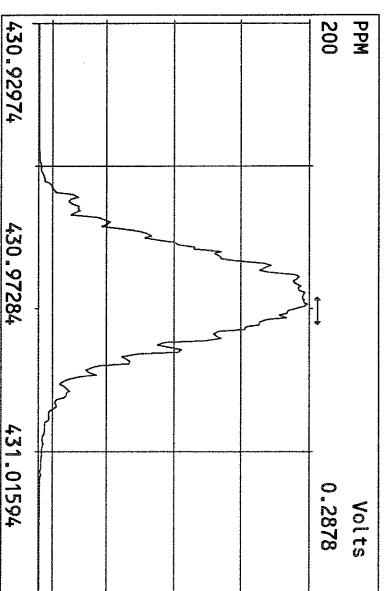
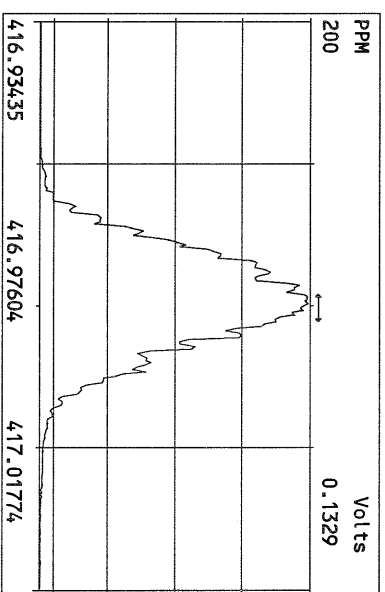
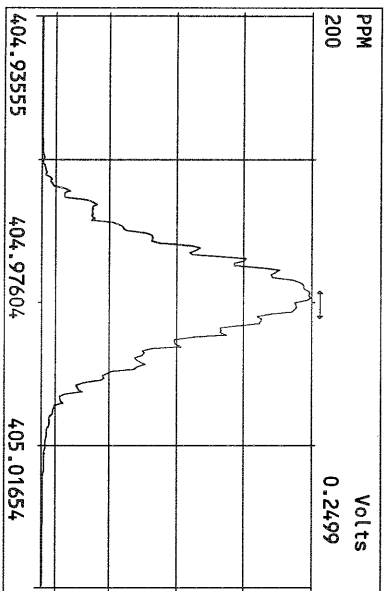
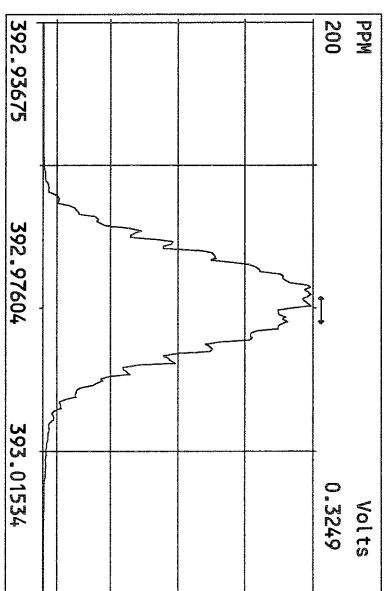
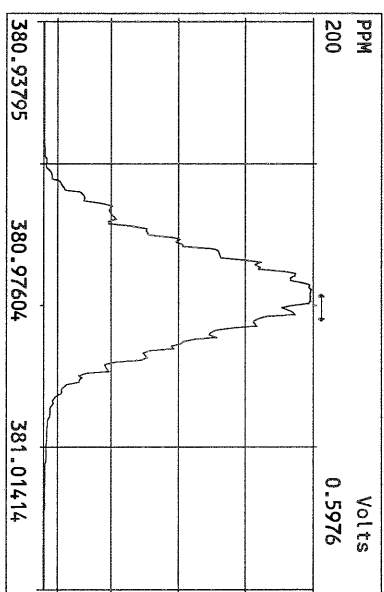
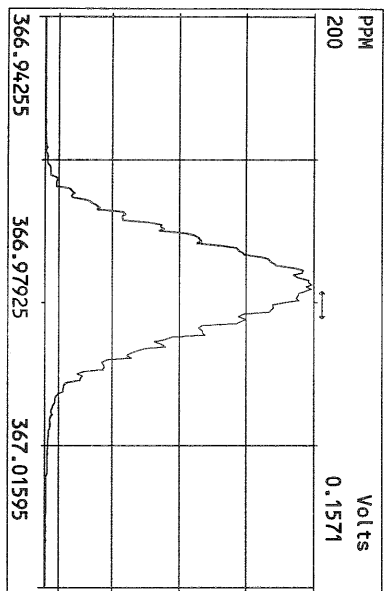
 8/24/10

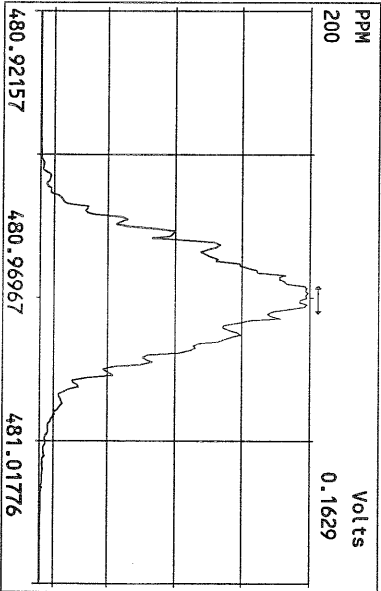
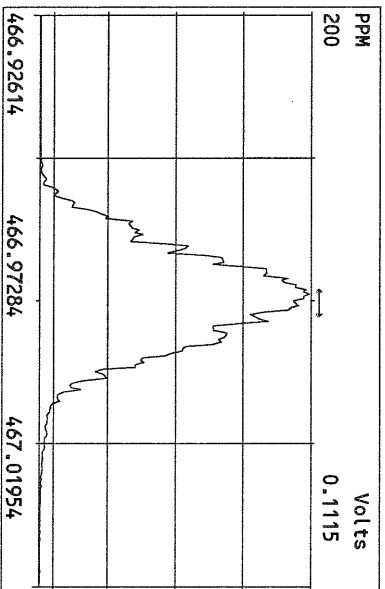
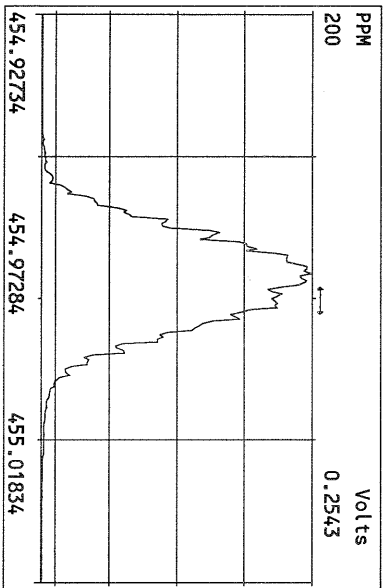
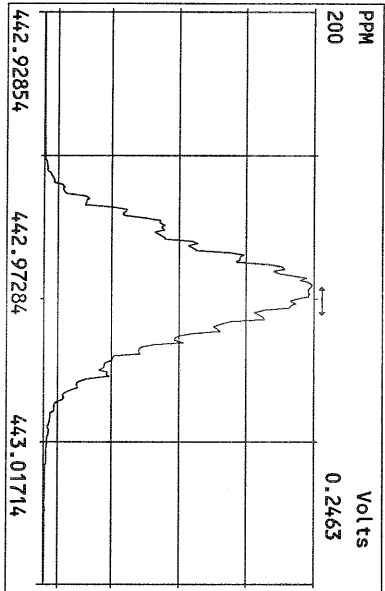
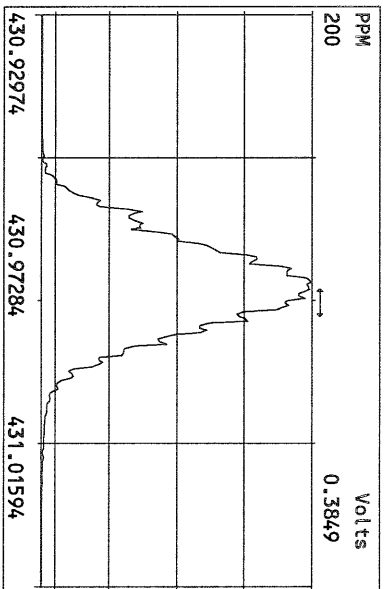
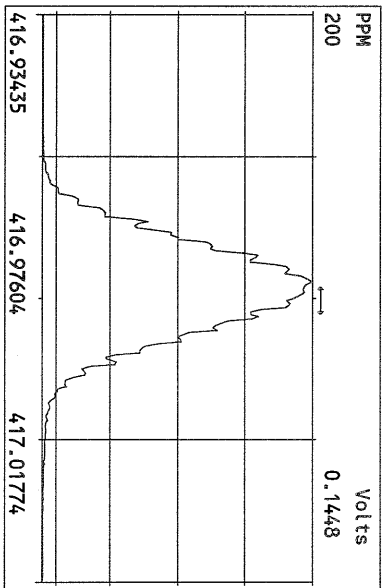
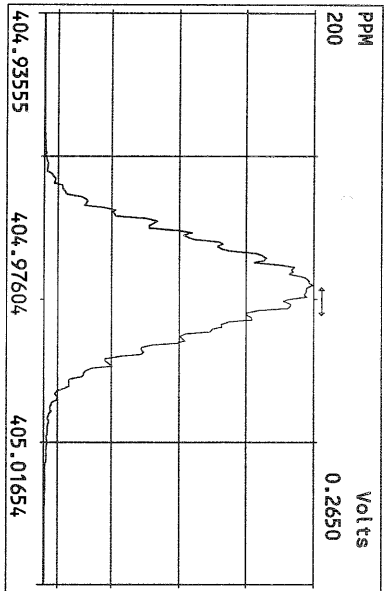
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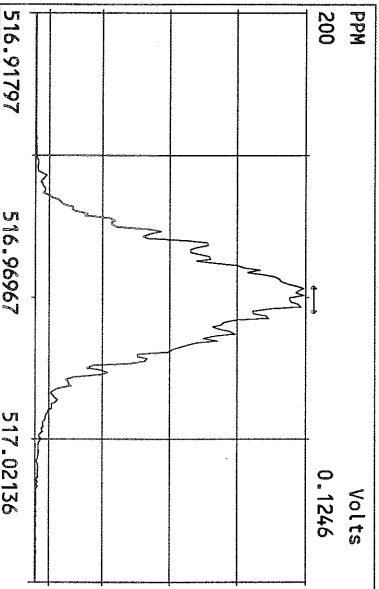
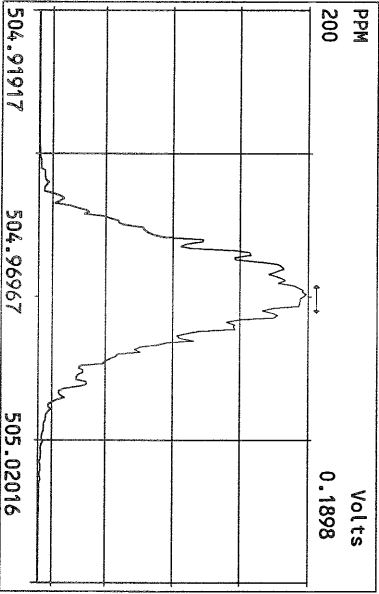
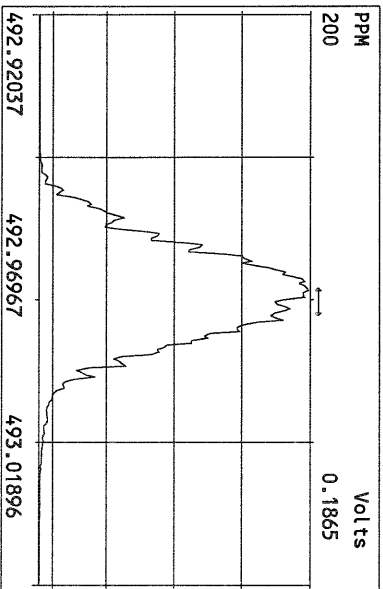
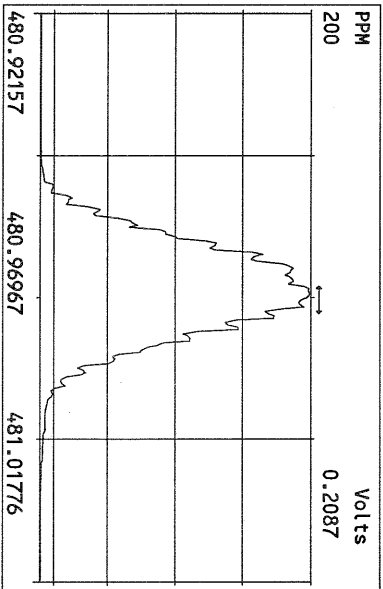
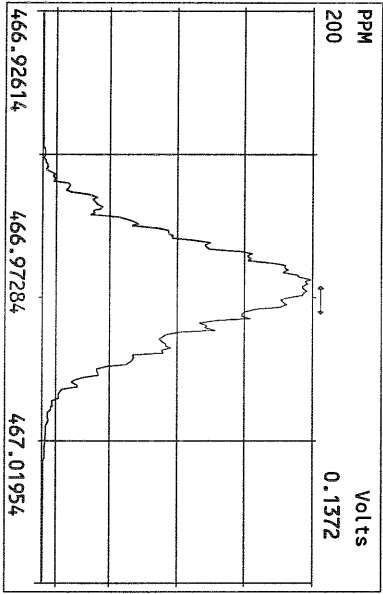
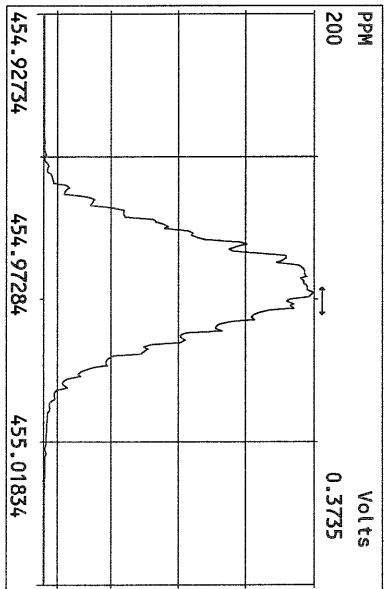
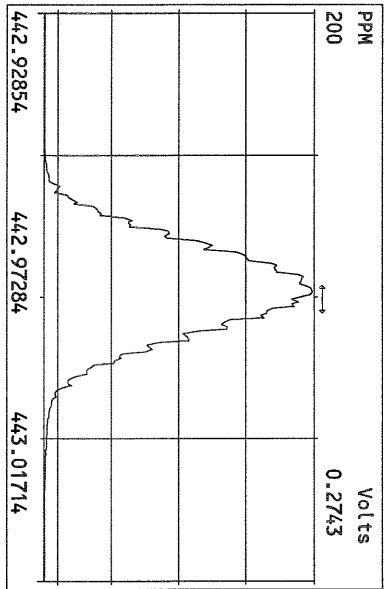
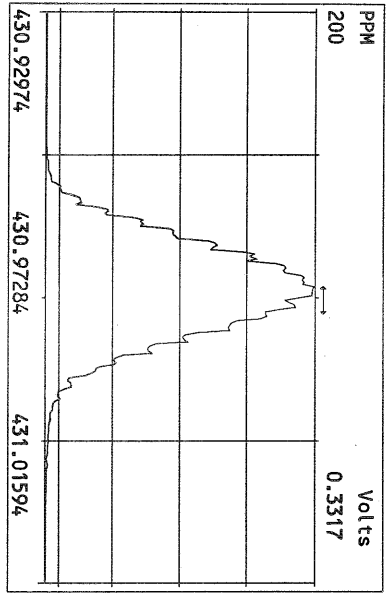
Date: _____



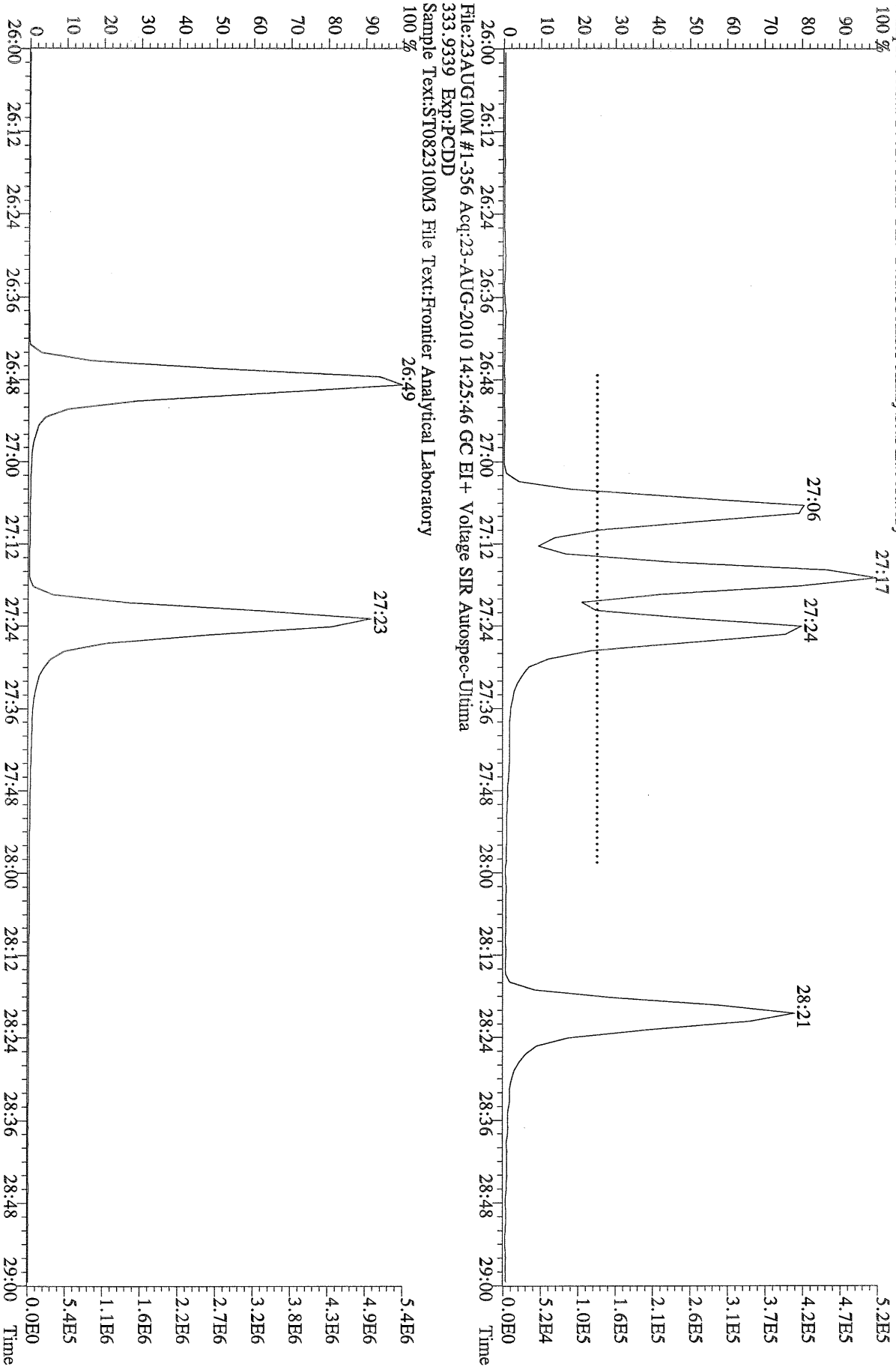




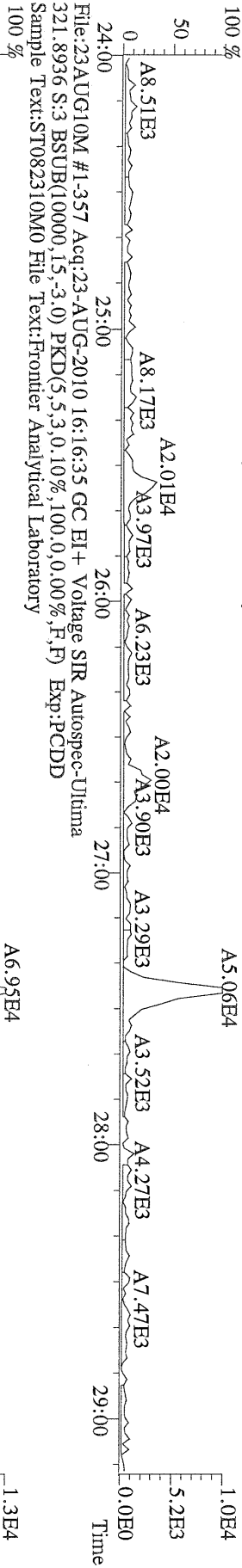




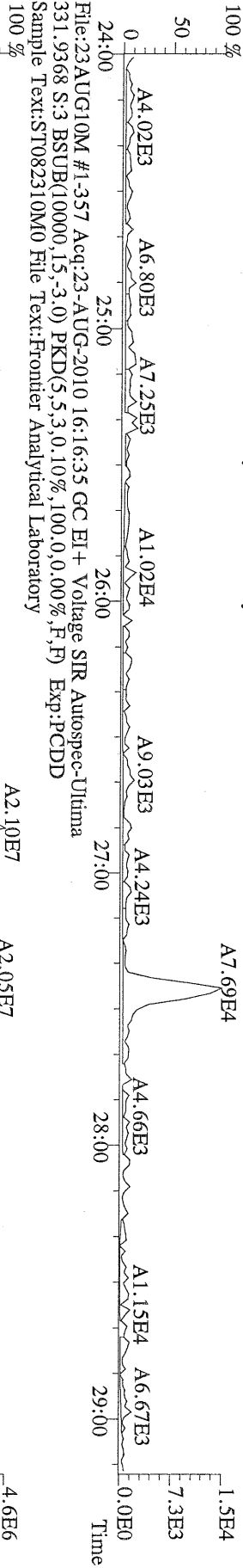
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
319.8965 Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



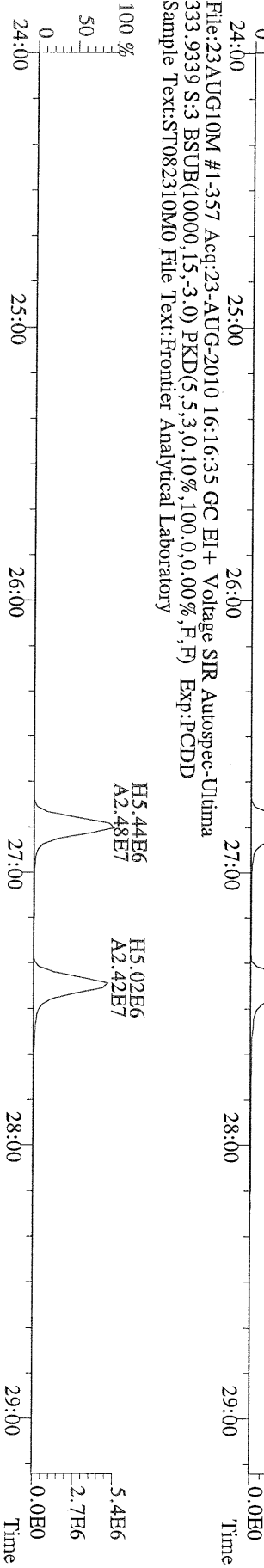
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319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



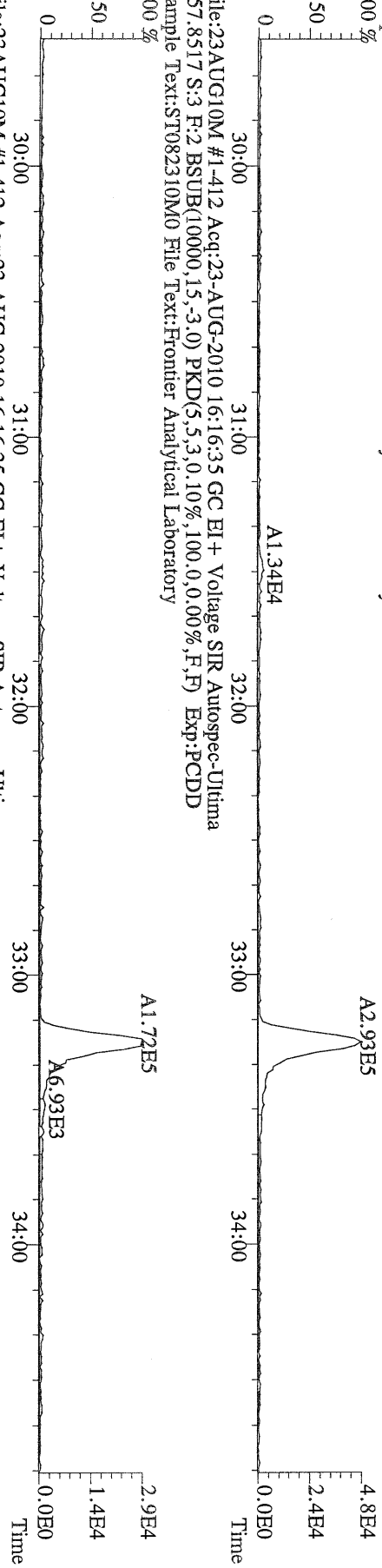
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327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



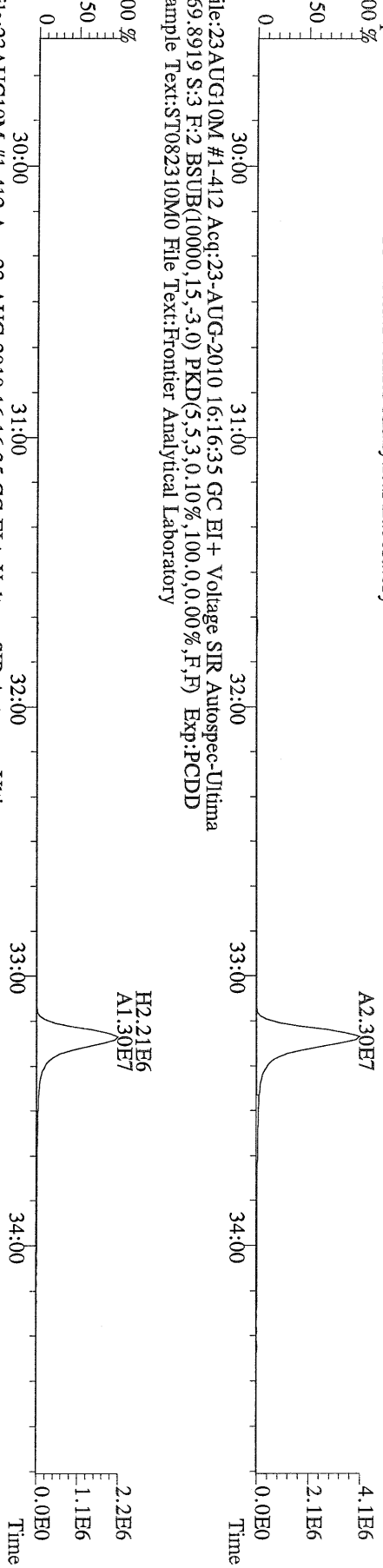
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331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



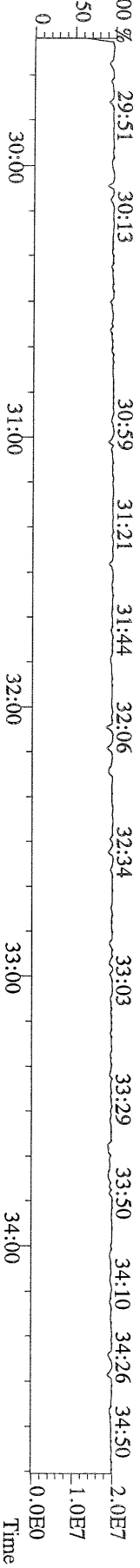
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:3 F:2 BSub(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %



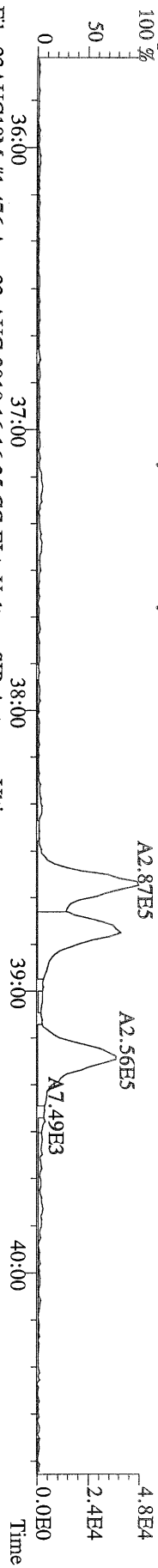
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367.8949 S:3 F:2 BSub(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %



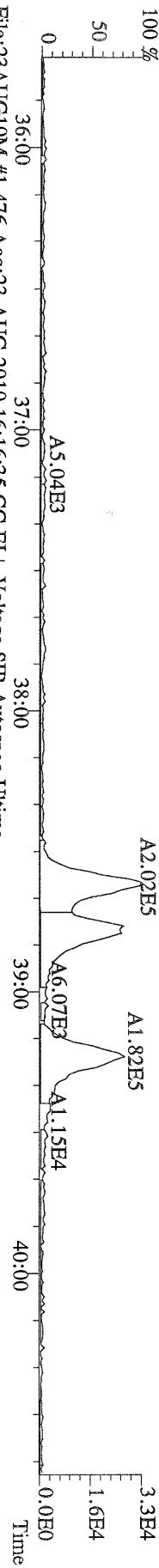
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:3 F:2 Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



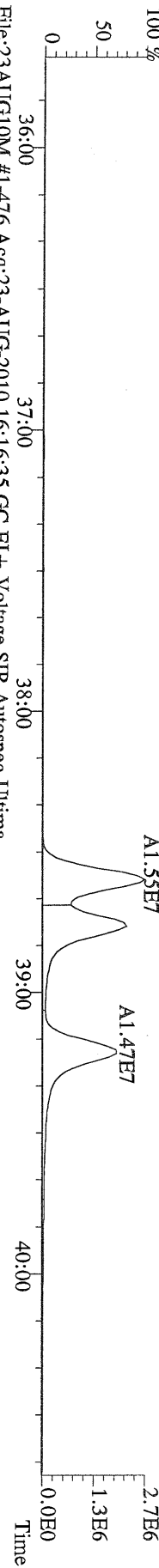
File:23AUG10M #1-476 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Fronier Analytical Laboratory



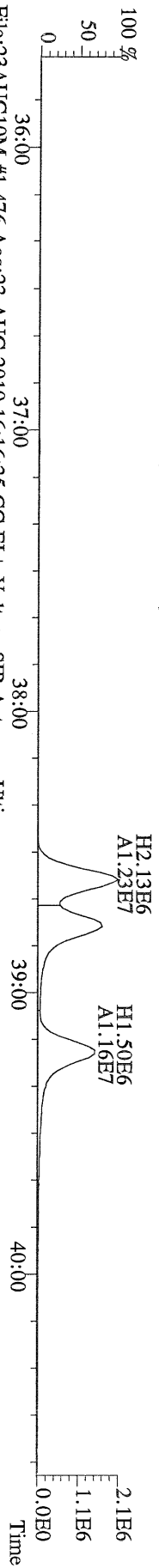
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 391.8127 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Fronier Analytical Laboratory



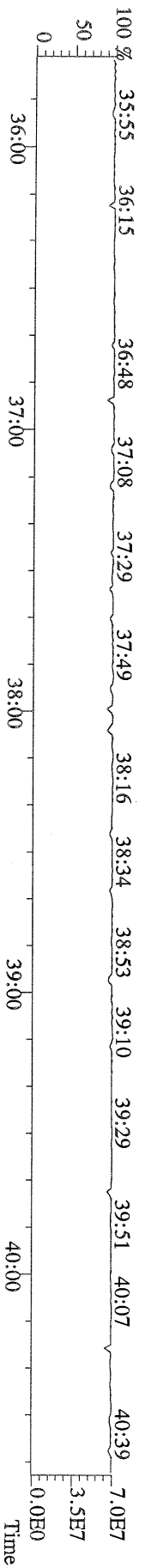
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 401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Fronier Analytical Laboratory



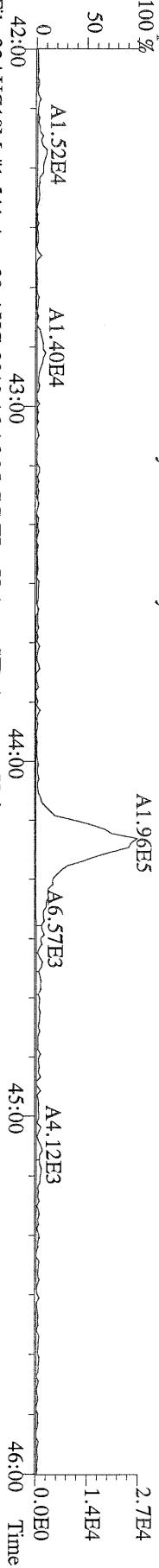
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 403.8530 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Fronier Analytical Laboratory



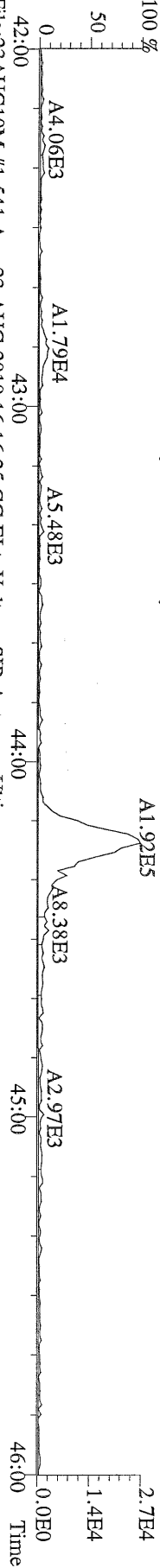
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 380.9760 S:3 F:3 Exp:PCDD
 Sample Text:ST082310M0 File Text:Fronier Analytical Laboratory



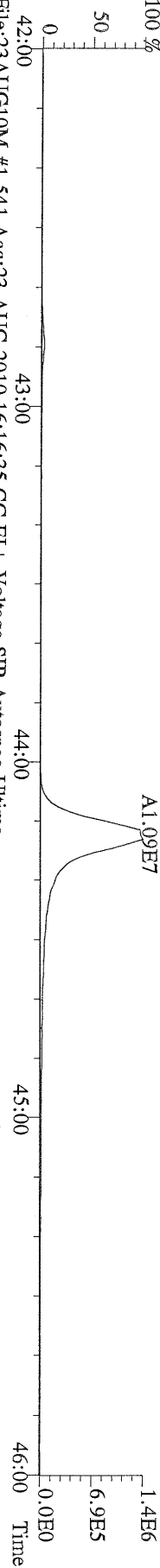
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



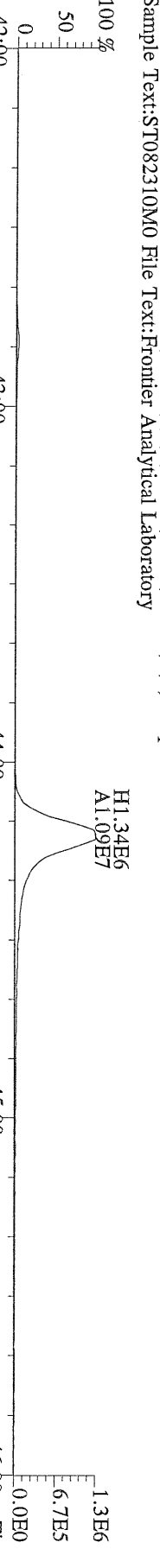
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 425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



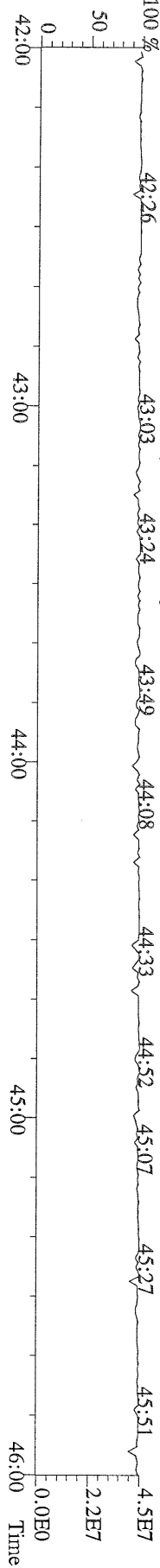
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 435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



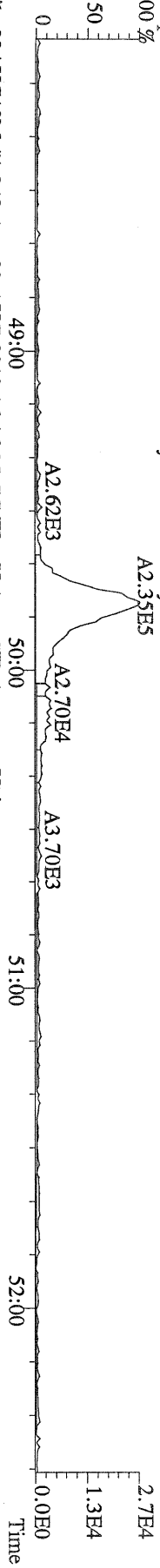
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 437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



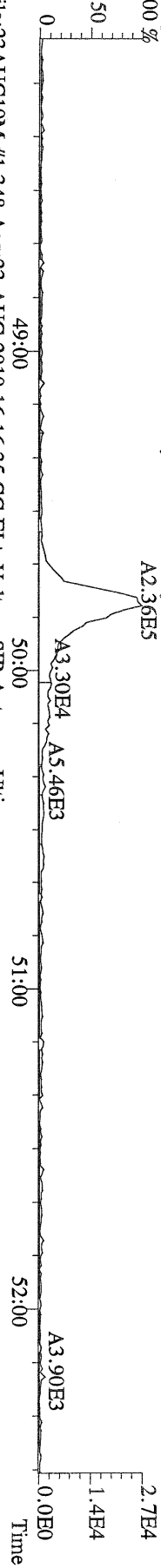
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 430.9728 S:3 F:4 Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



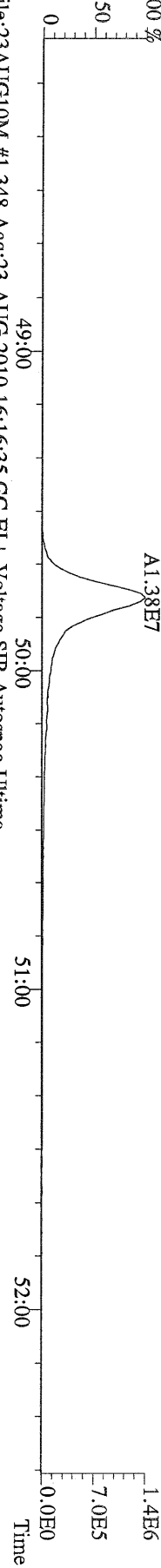
File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



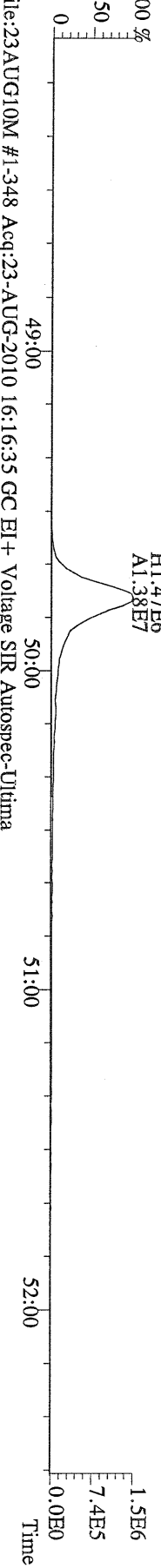
File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



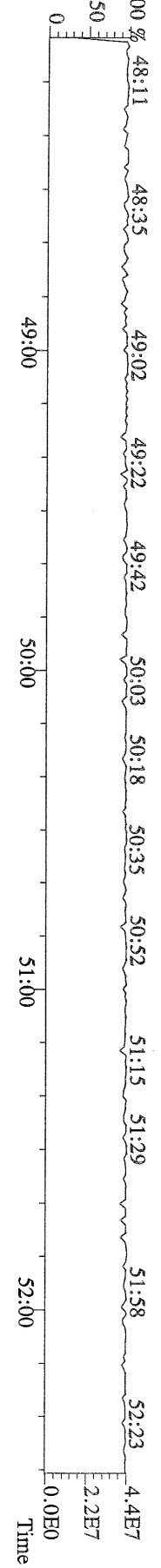
File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



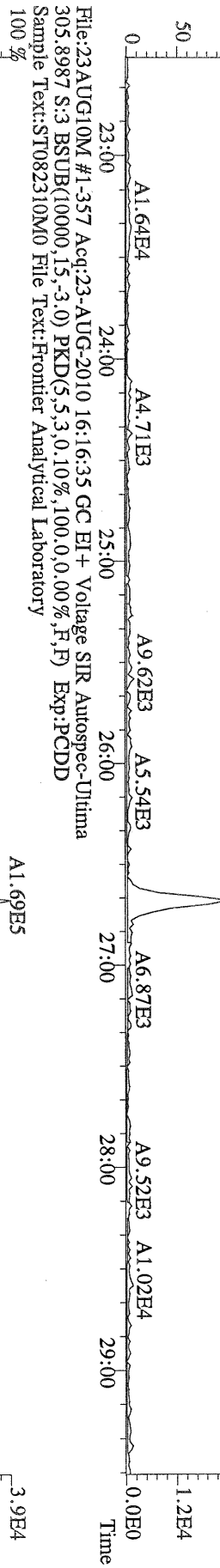
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 471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 454.9728 S:3 F:5 Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



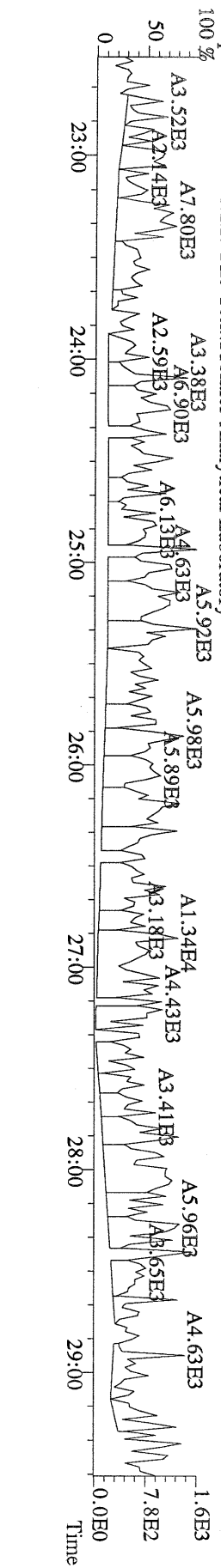
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



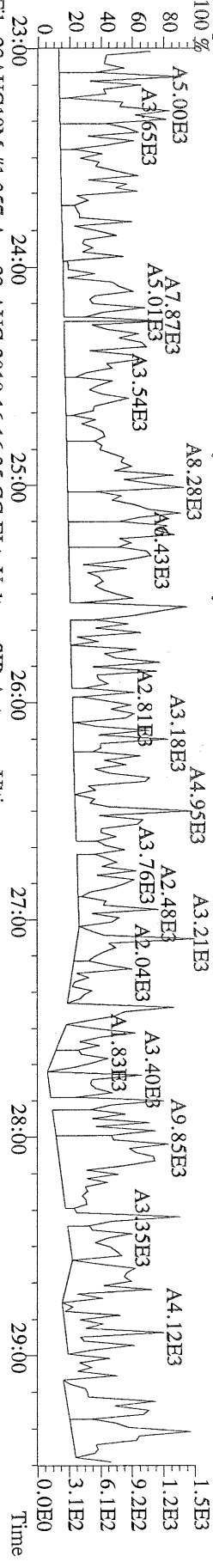
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 315.9419 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



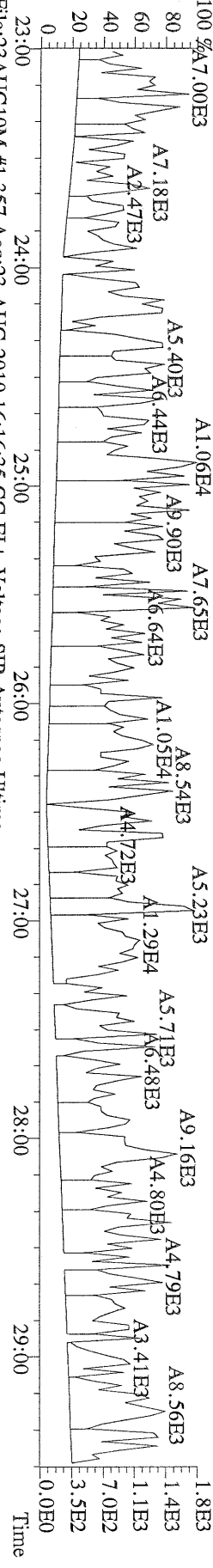
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 317.9389 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



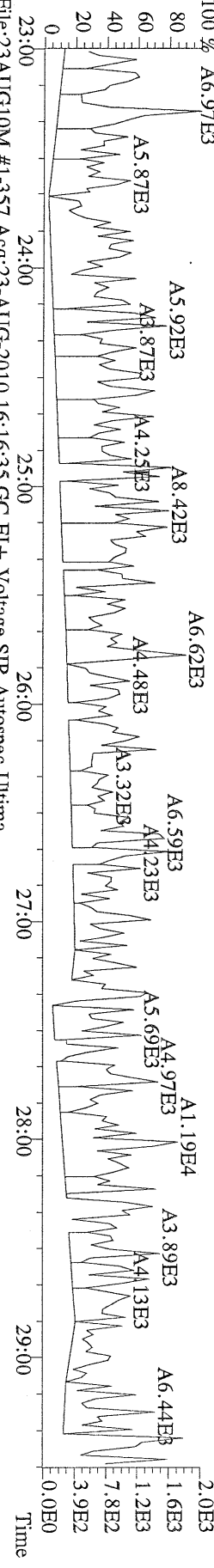
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
339.8597 S.3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



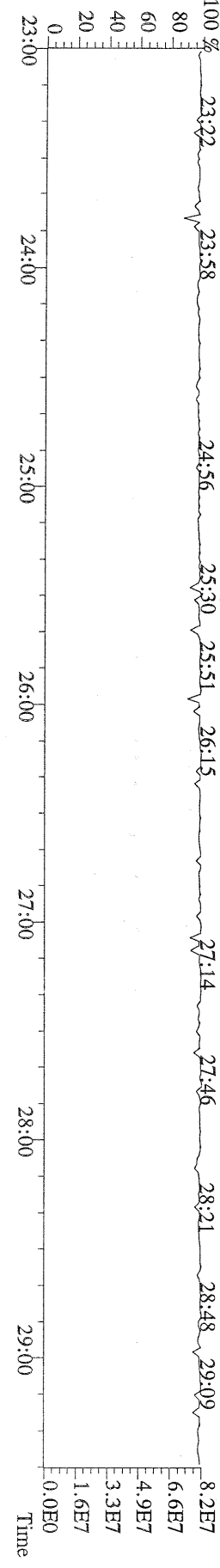
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S.3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



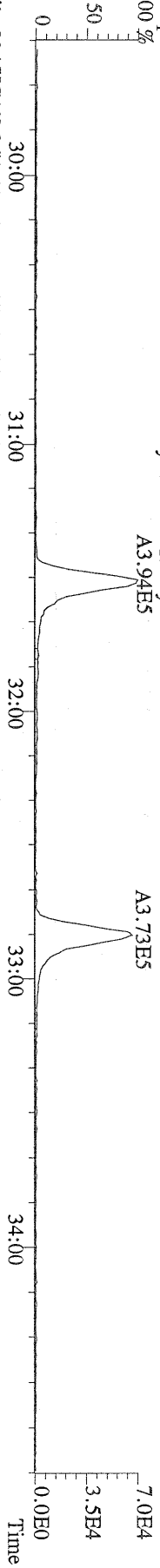
File:23AUG10M #1-357 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S.3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



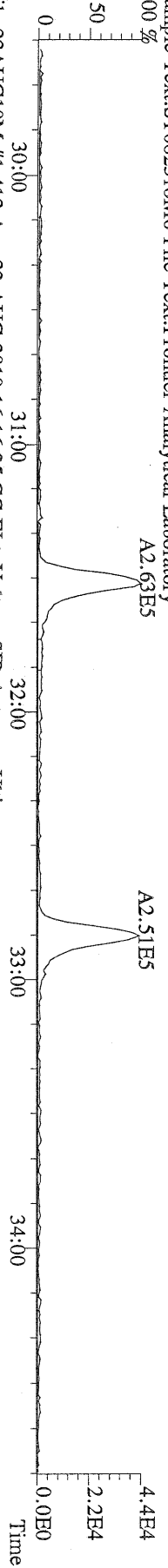
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Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



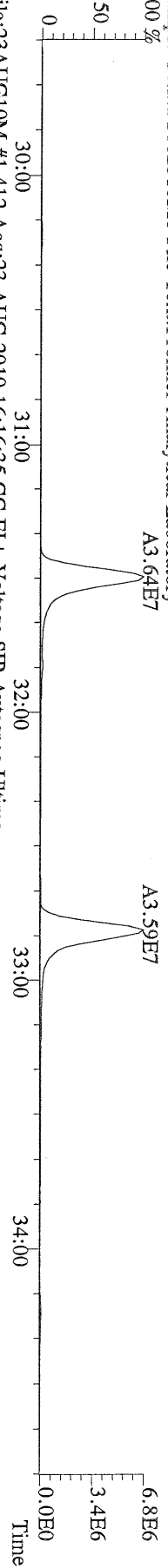
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



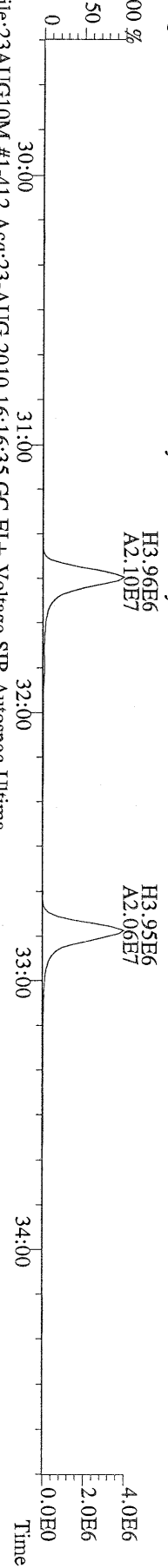
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:3 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



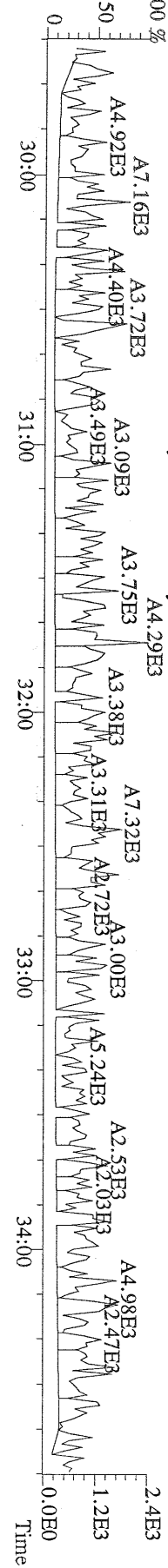
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 351.9000 S:3 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



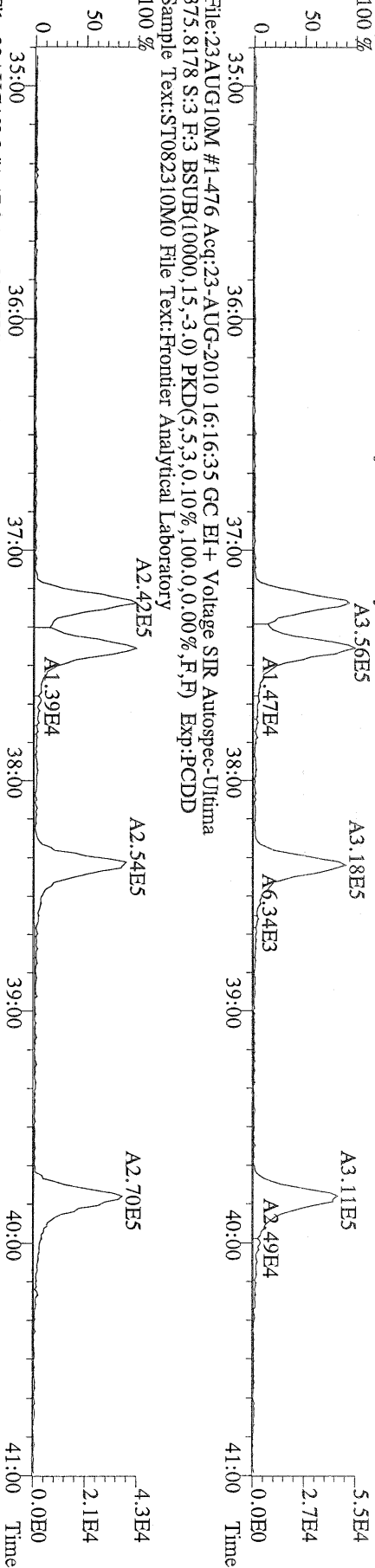
File:23AUG10M #1-412 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:3 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



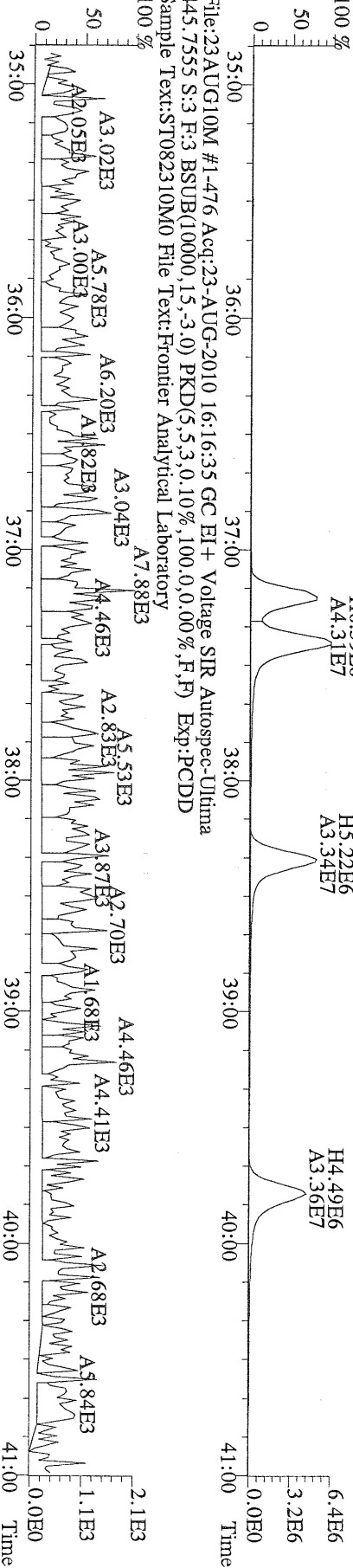
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 409.7974 S:3 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp.:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



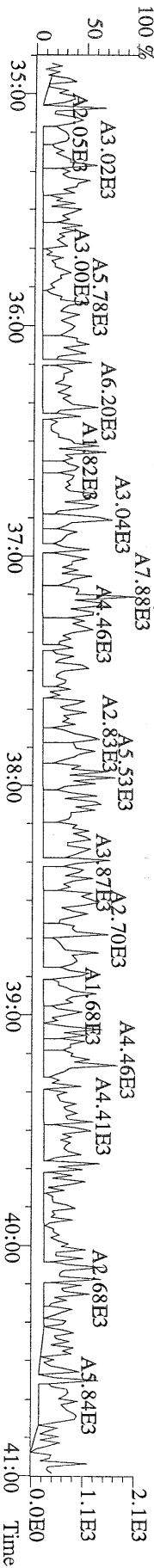
File:23AUG10M #1-476 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



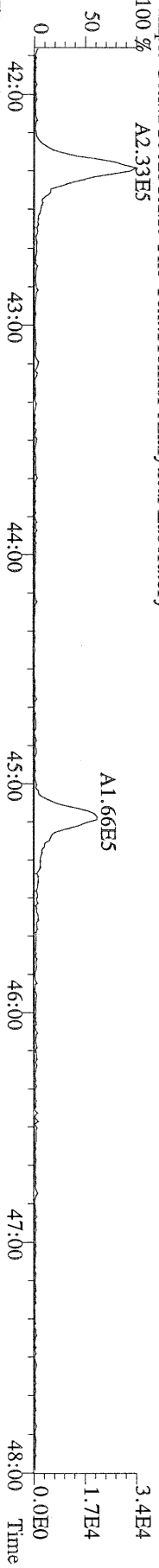
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383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



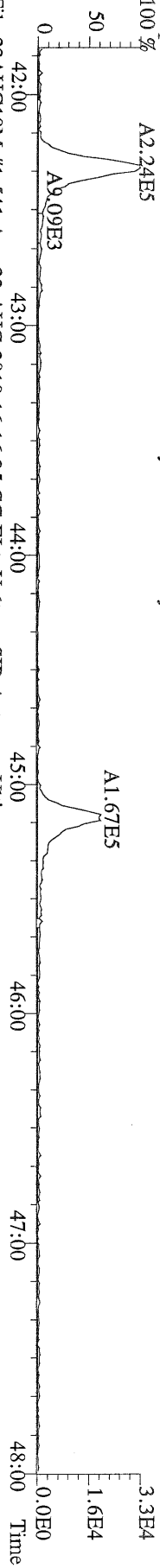
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445.7555 S:3 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



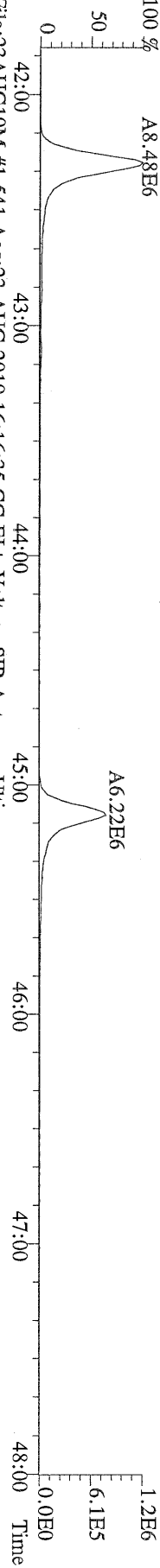
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
 100 % A2.33E5



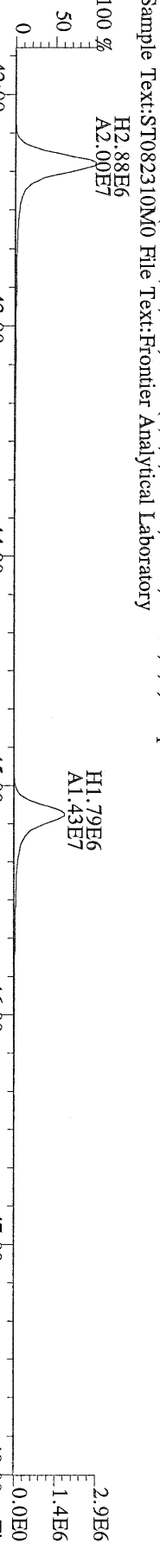
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 409.7788 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
 100 % A2.24E5



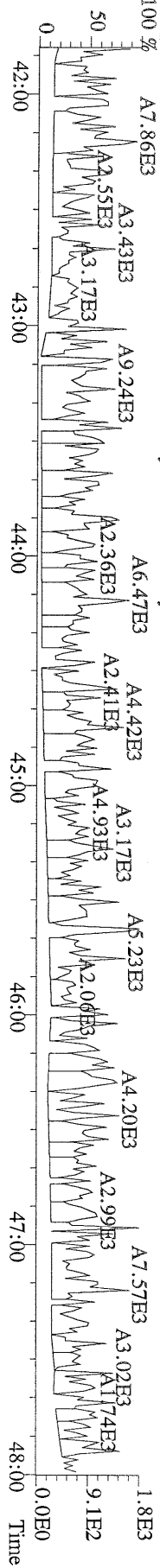
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 417.8253 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
 100 % A8.48E6



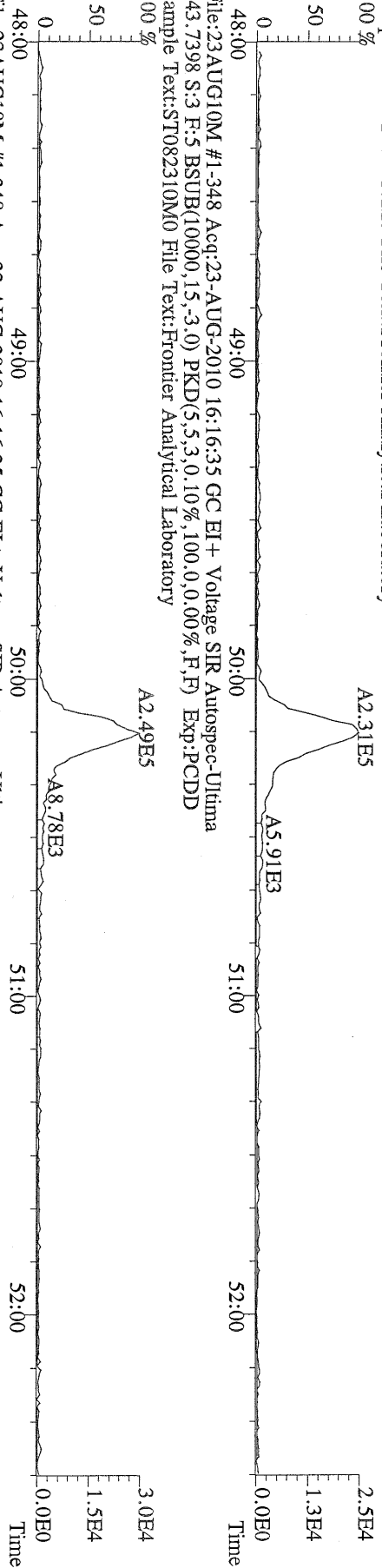
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 419.8220 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



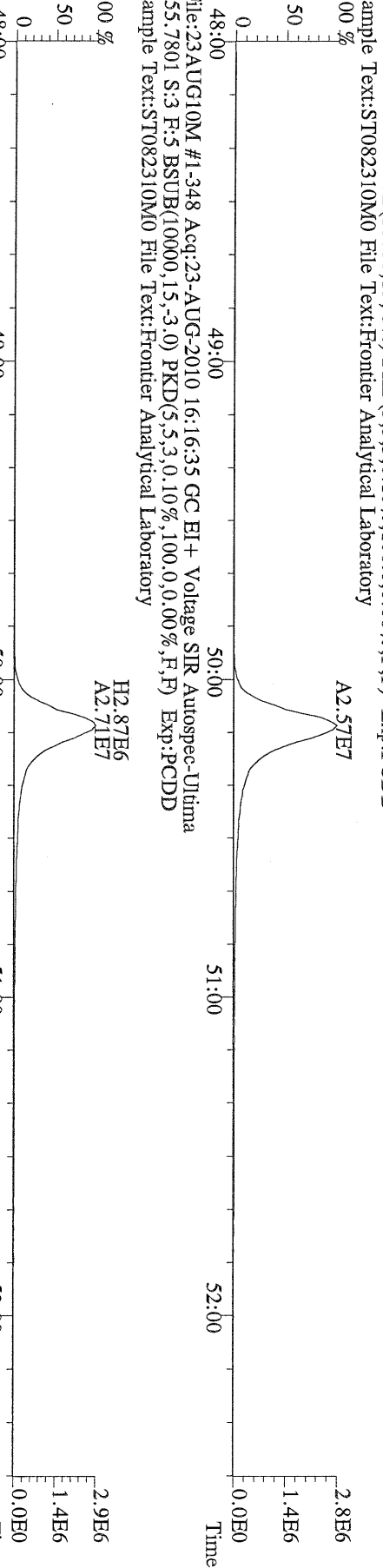
File:23AUG10M #1-541 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
 479.7165 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory



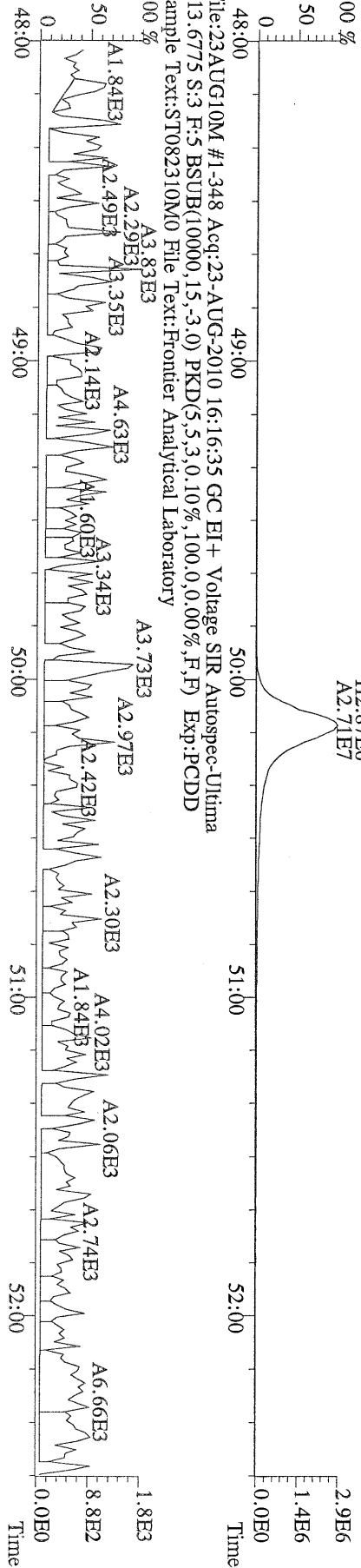
File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %



File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %

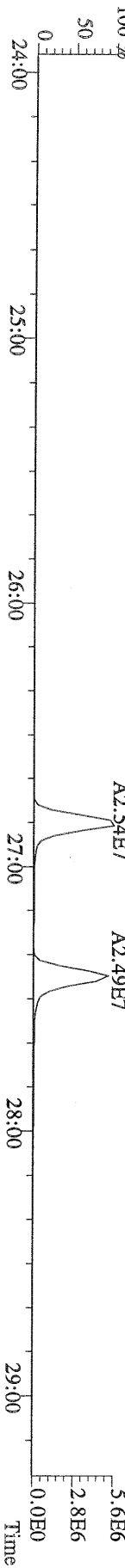
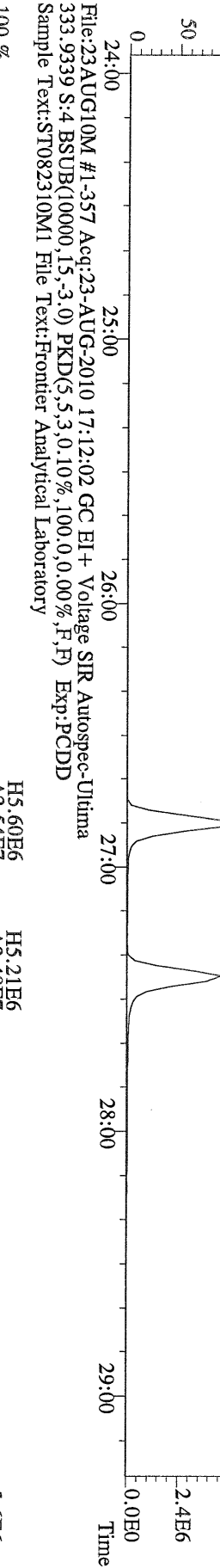
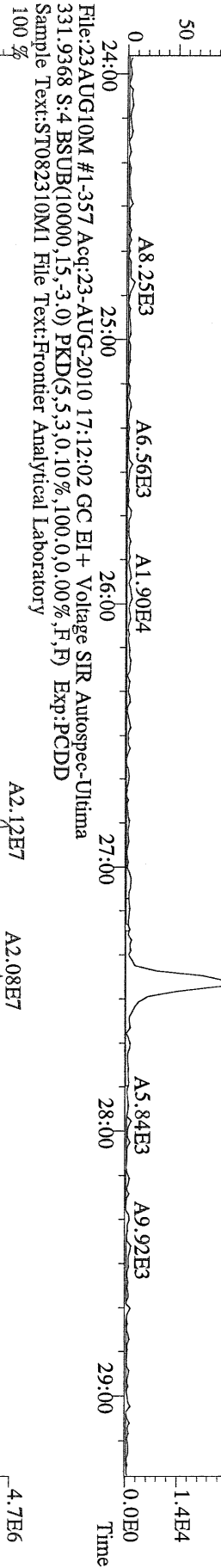
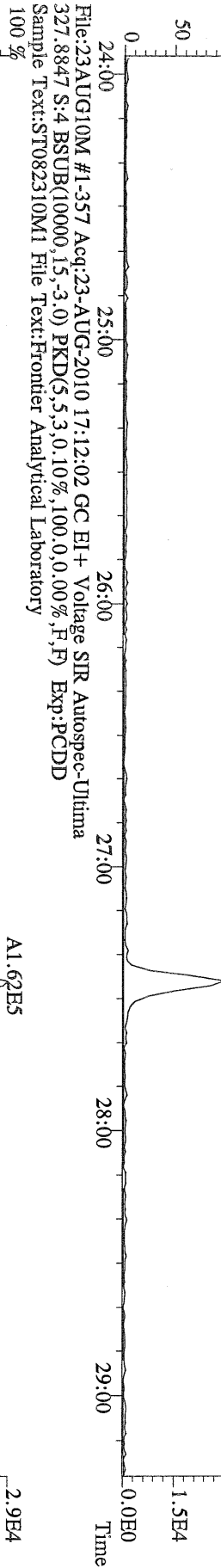
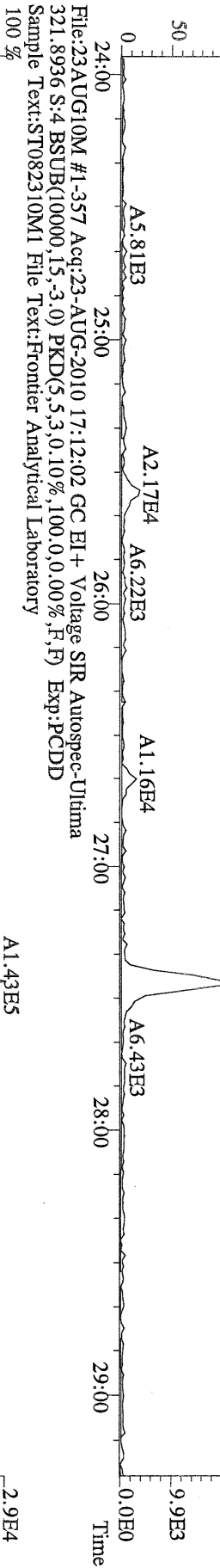


File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %

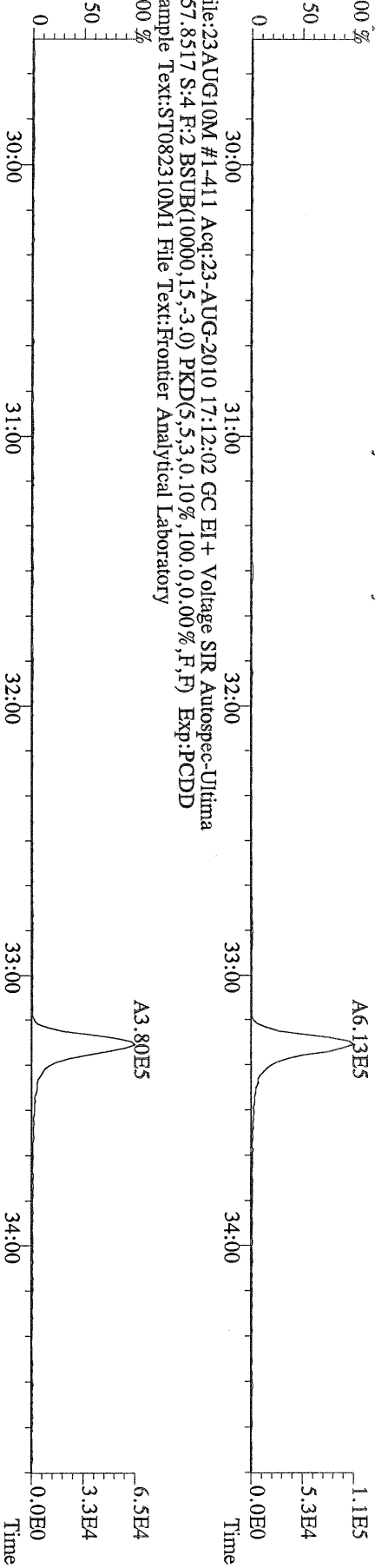


File:23AUG10M #1-348 Acq:23-AUG-2010 16:16:35 GC EI+ Voltage SIR Autospec-Ultima
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M0 File Text:Frontier Analytical Laboratory
100 %

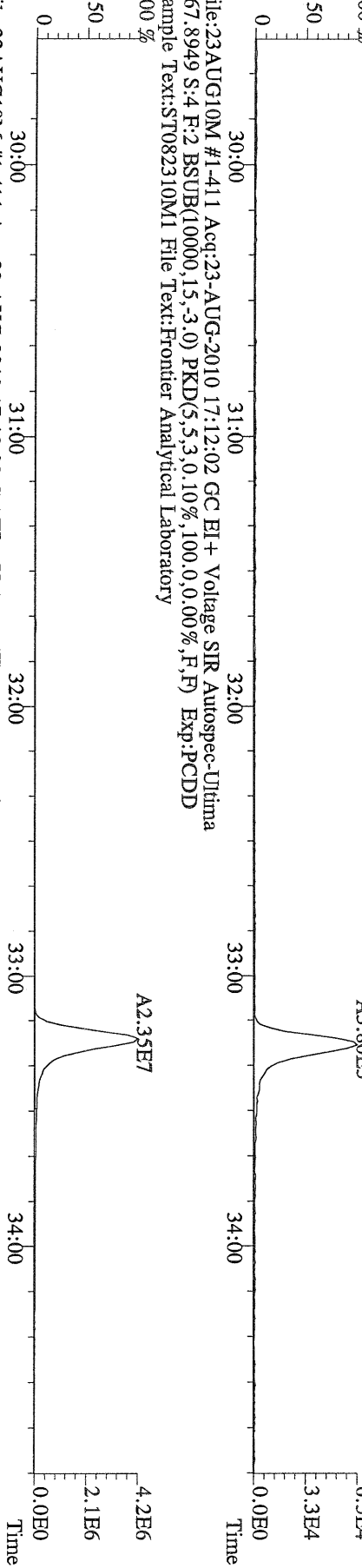
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



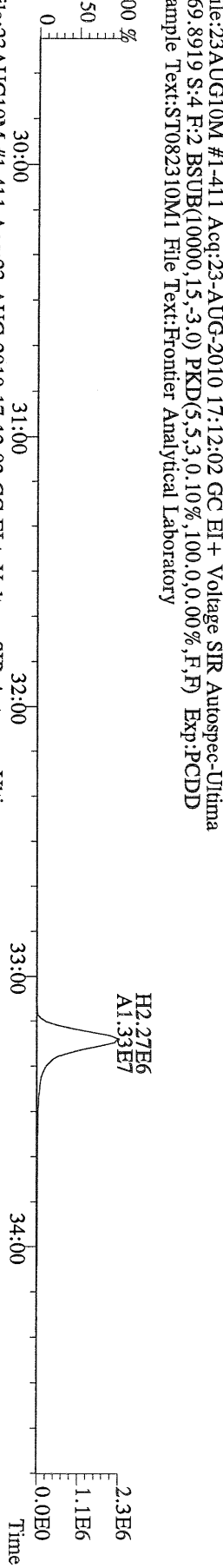
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



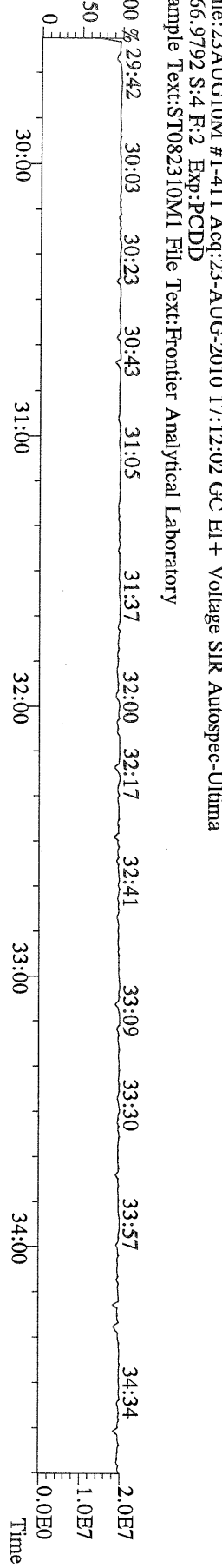
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
357.8517 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



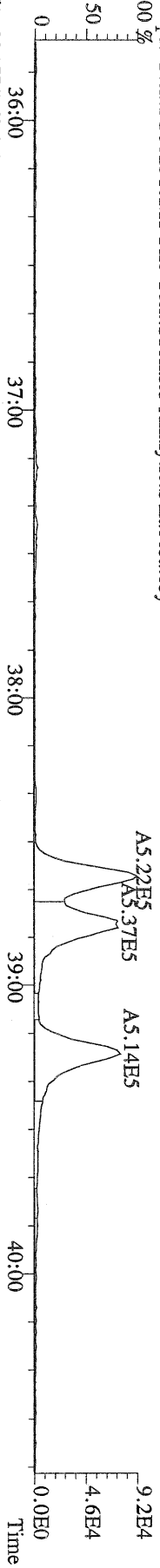
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



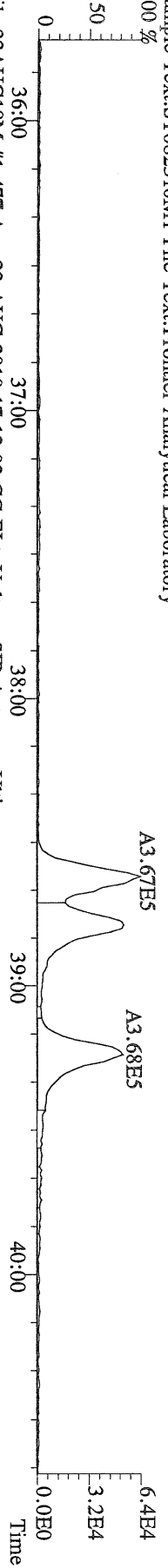
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



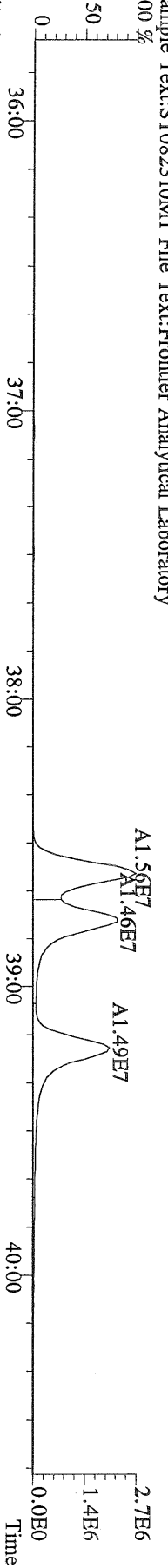
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



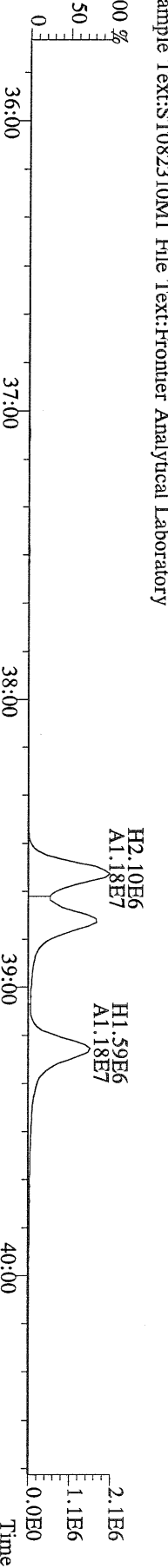
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



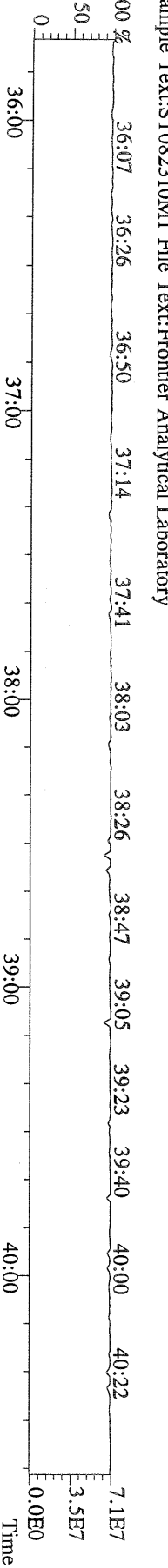
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



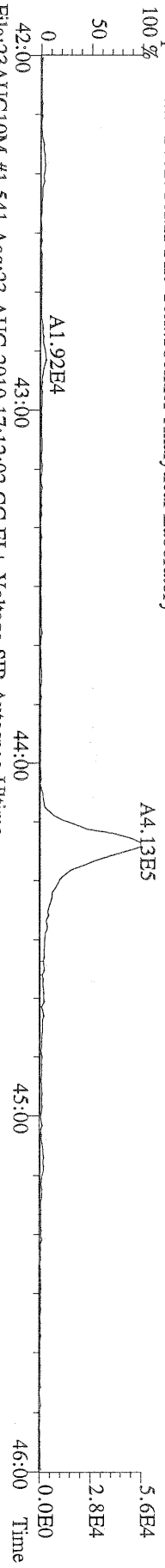
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 403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



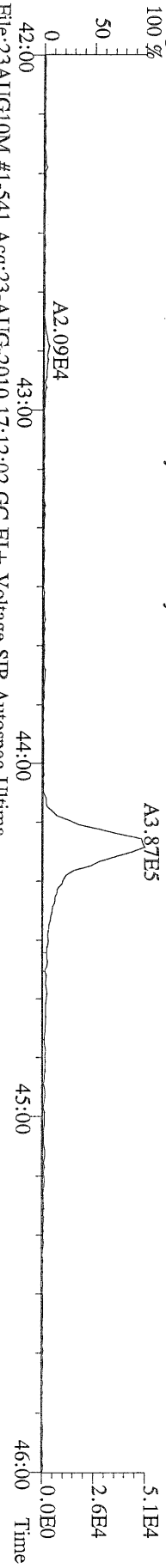
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:4 F:3 Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



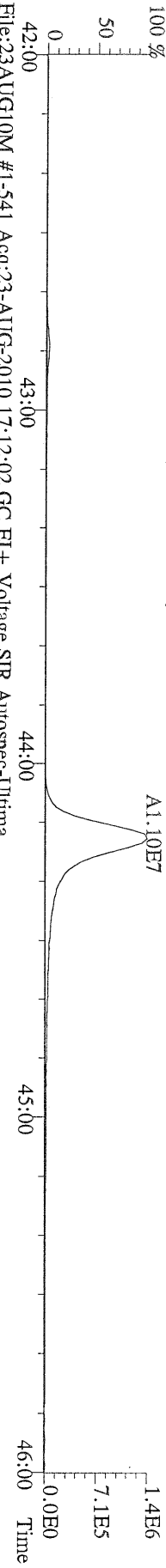
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



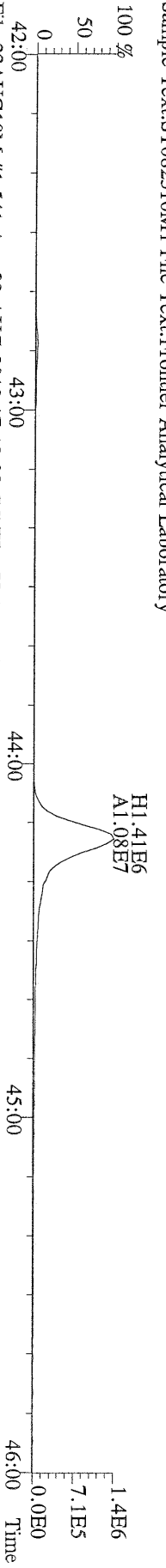
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



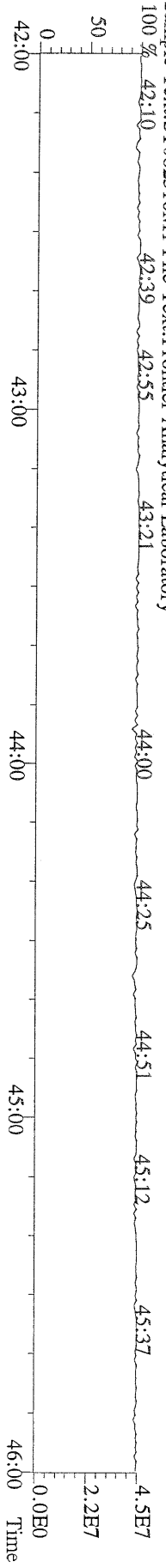
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
435.8169 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



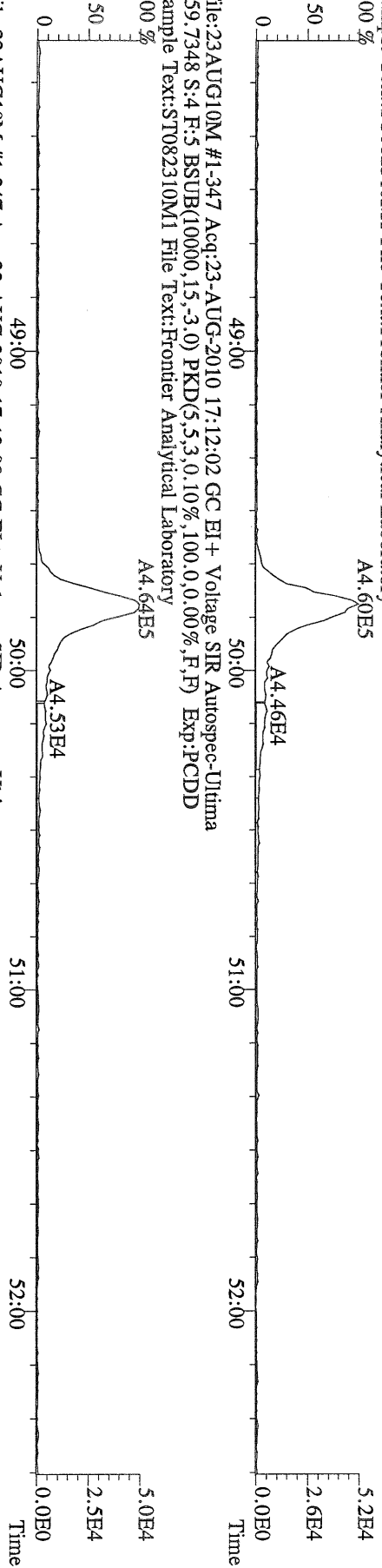
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



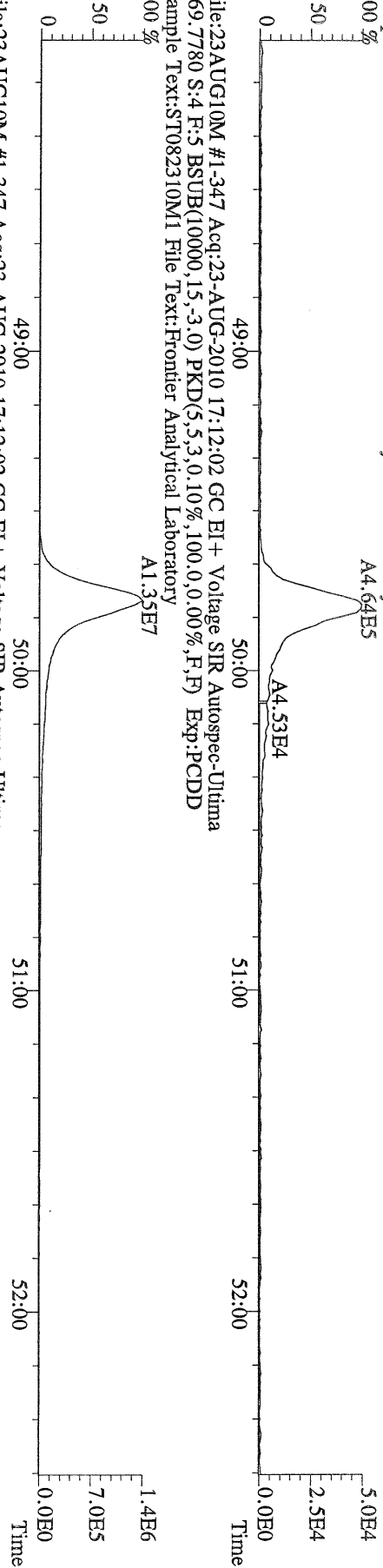
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
430.9728 S:4 F:4 Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



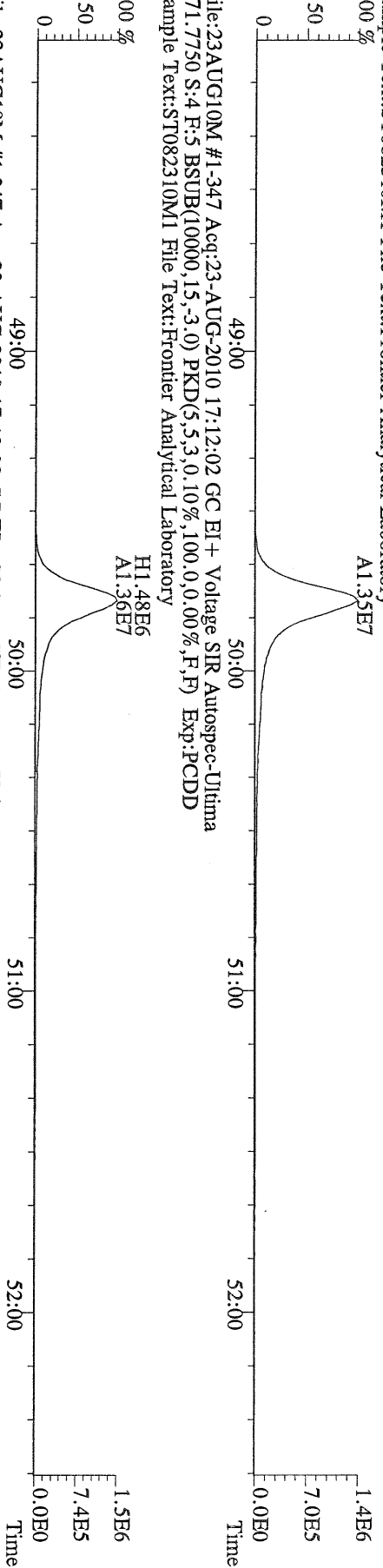
File:23AUG10M #1-347 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



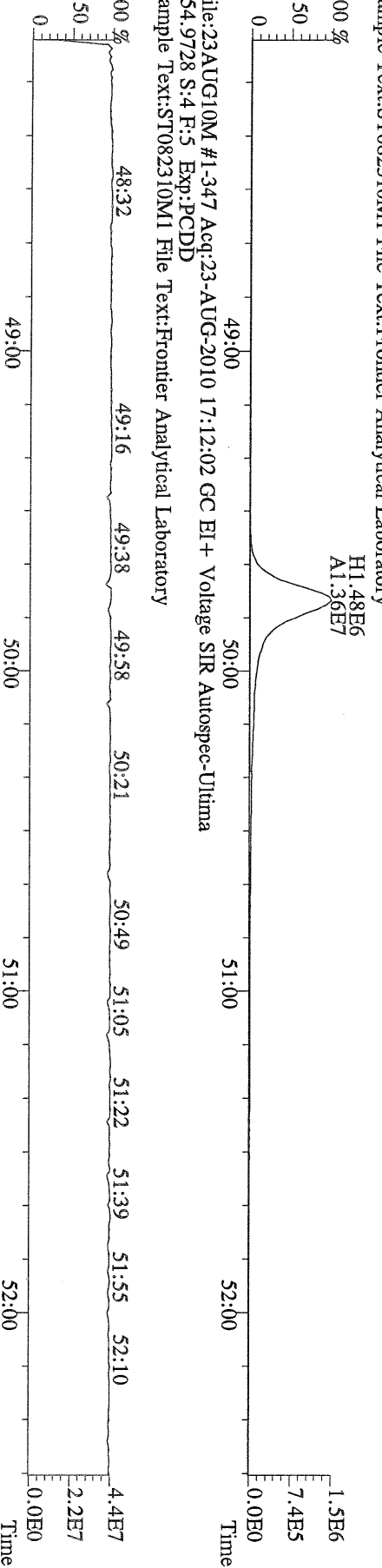
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459.7348 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



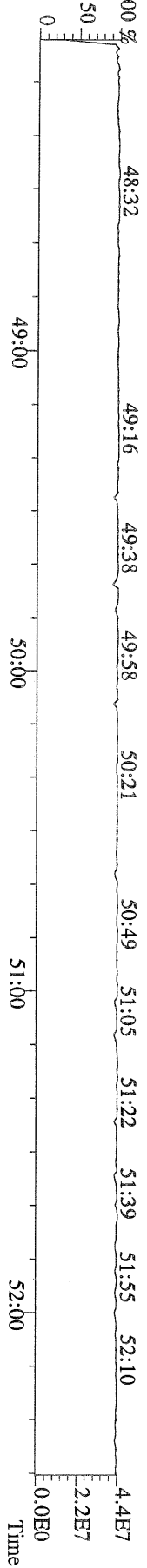
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469.7780 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



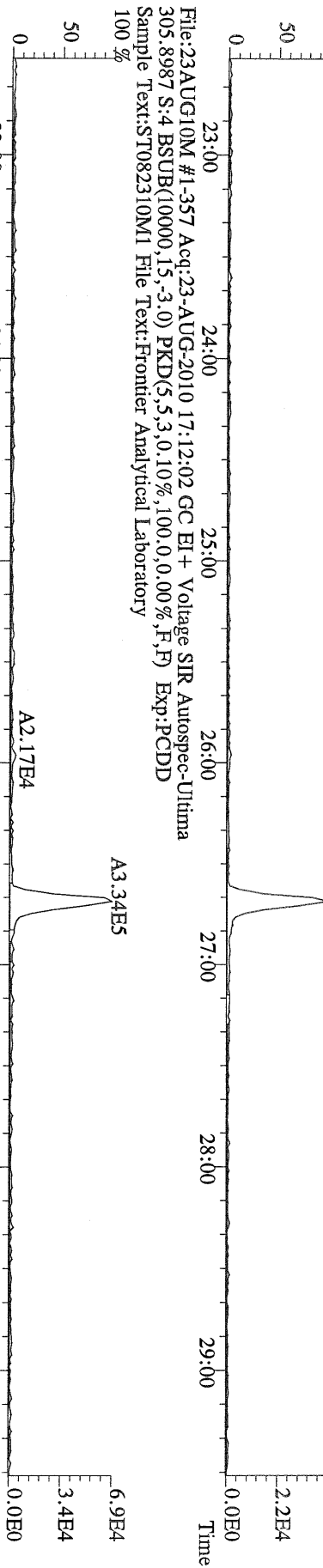
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471.7750 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory
100 %



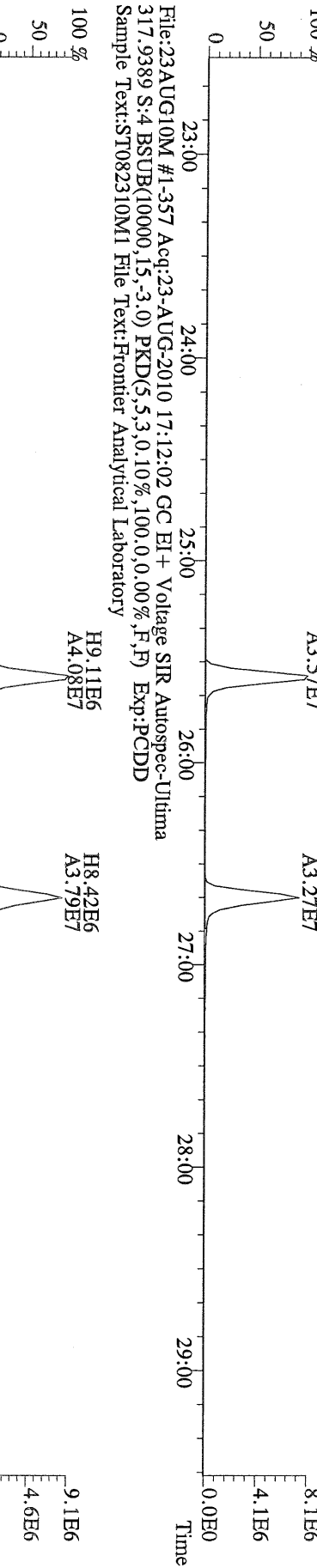
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454.9728 S:4 F:5 Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



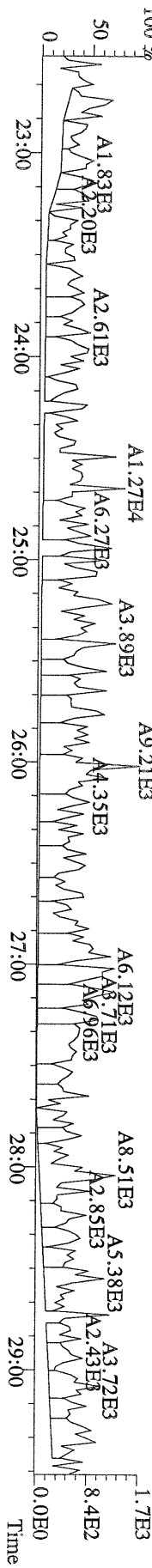
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Ultima
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



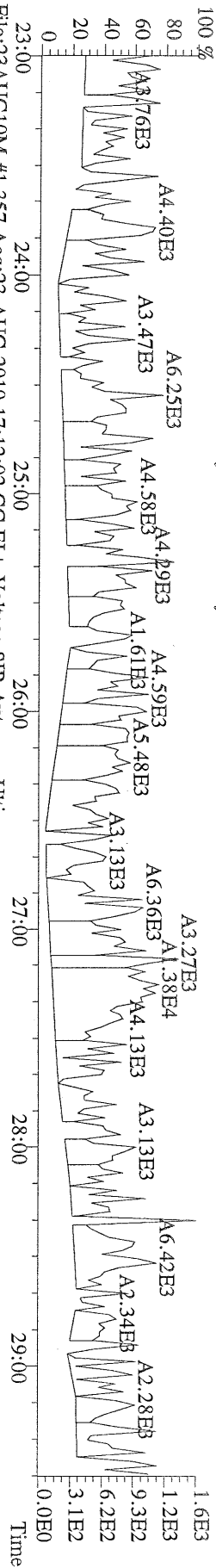
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Ultima
 315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



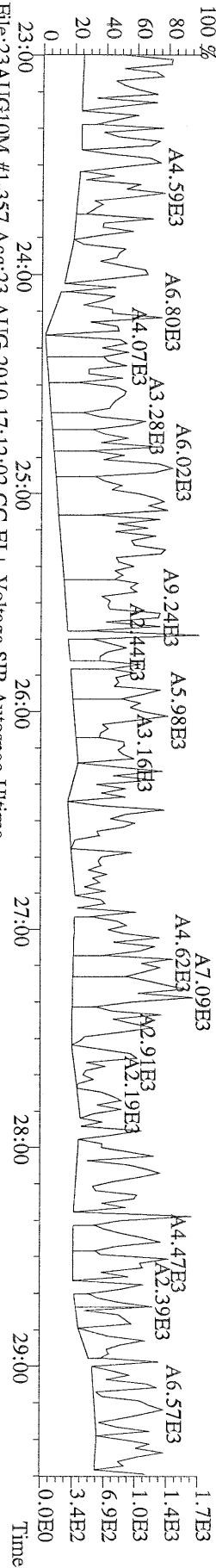
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 317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



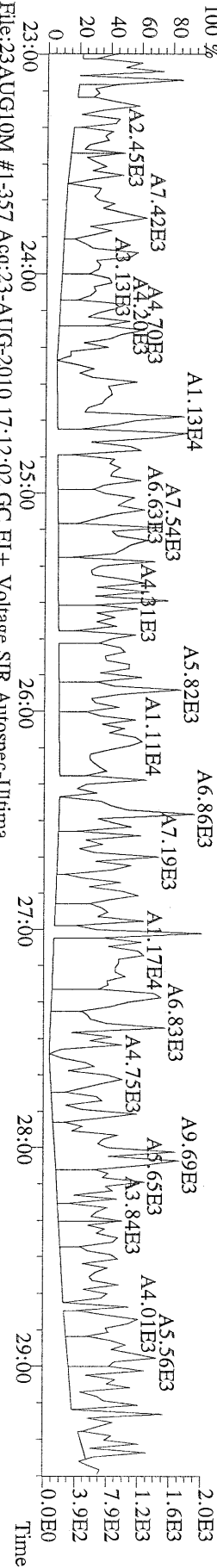
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Utima
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



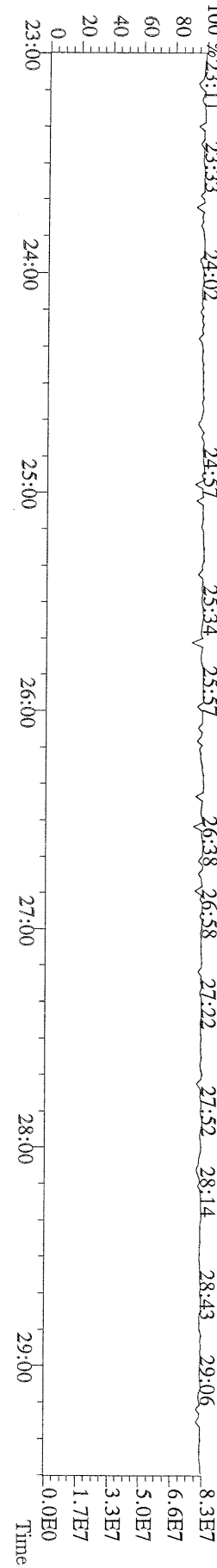
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Utima
341.8568 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



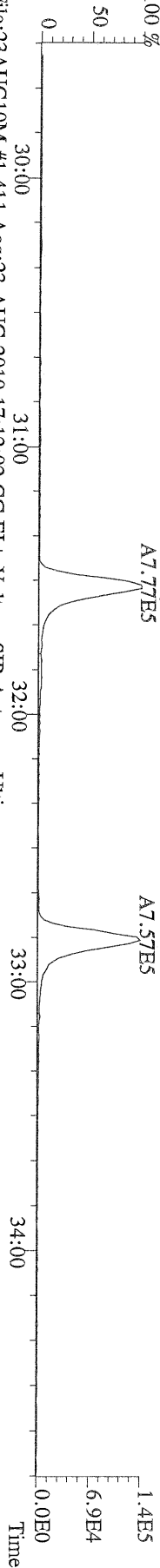
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Utima
409.7974 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



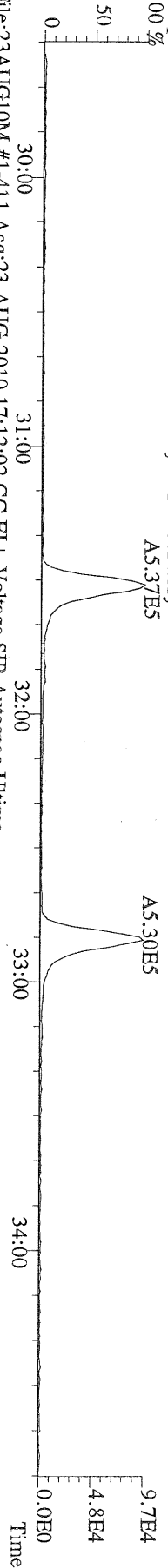
File:23AUG10M #1-357 Acq:23-AUG-2010 17:12:02 GC EI + Voltage SIR Autospec-Utima
330.9792 S:4 Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



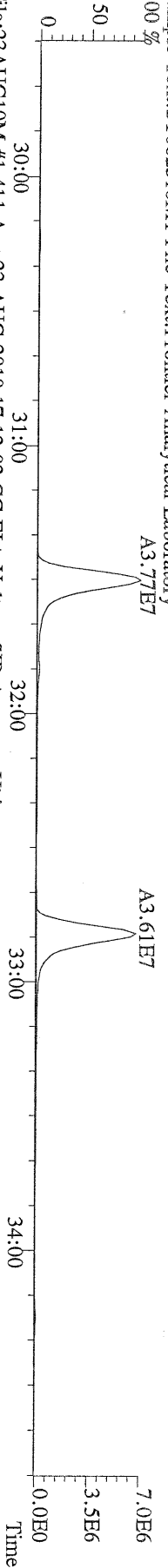
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



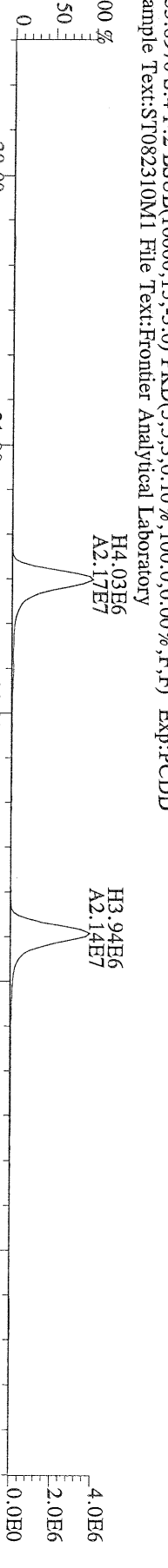
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



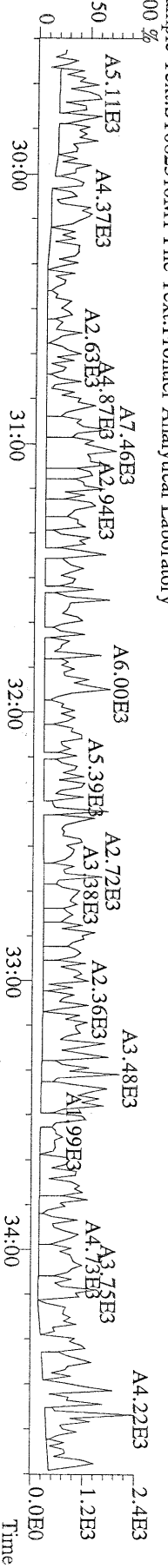
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 351.9000 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



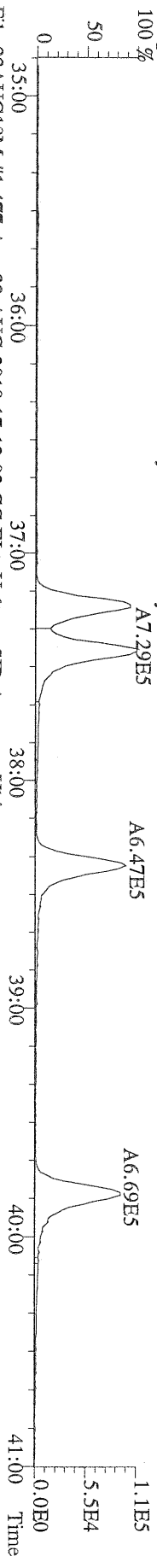
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



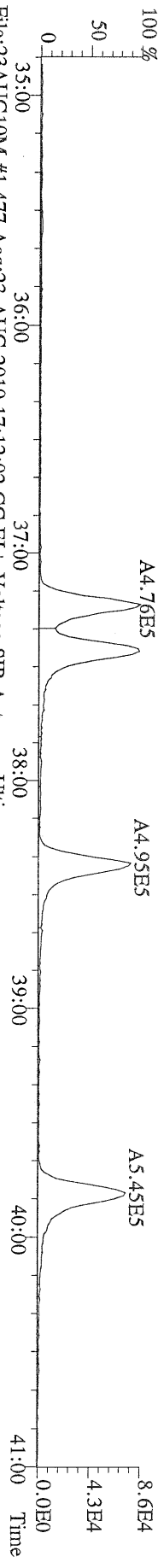
File:23AUG10M #1-411 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:4 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



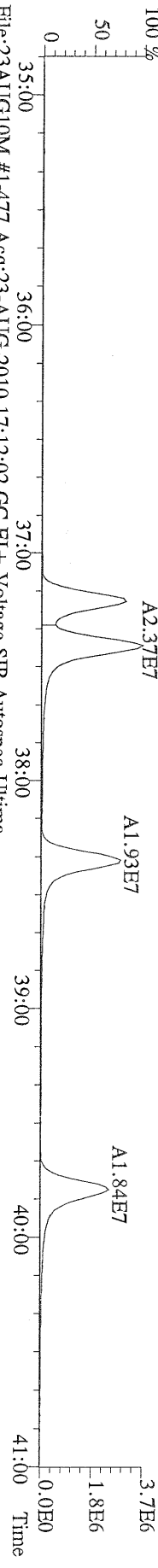
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



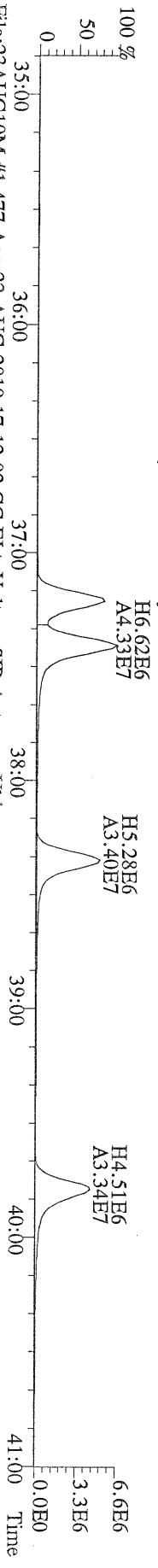
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 375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



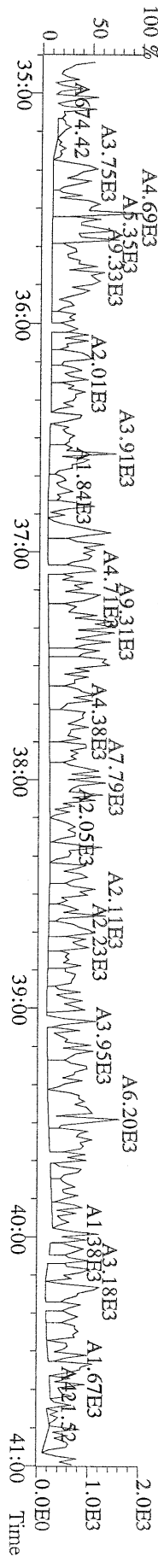
File:23AUG10M #1-477 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



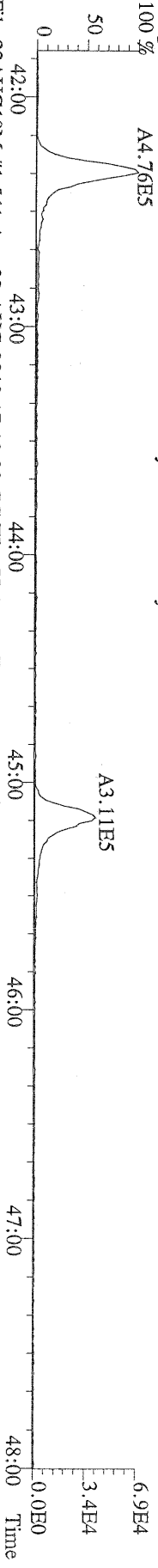
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 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



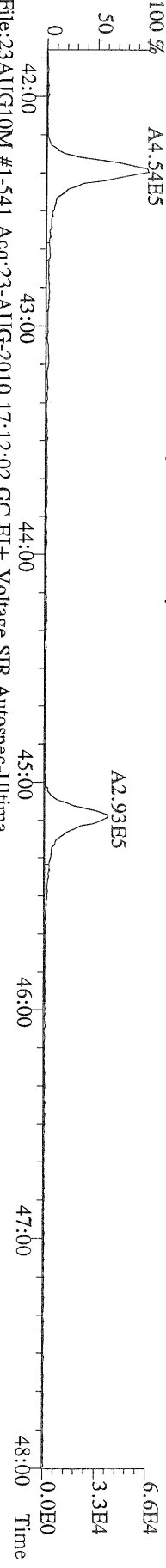
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 445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



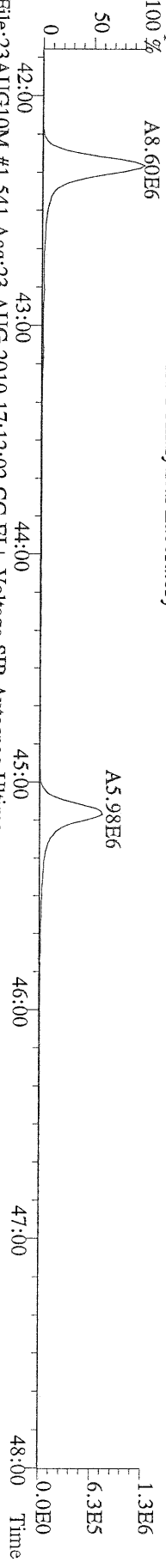
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



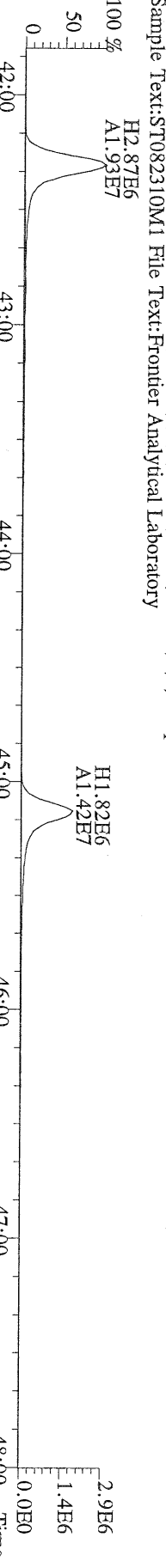
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409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



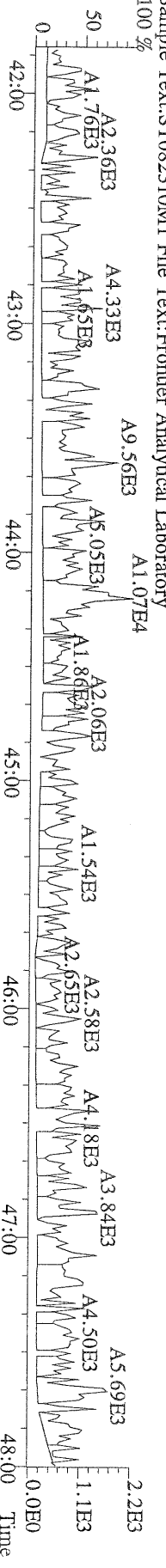
File:23AUG10M #1-541 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



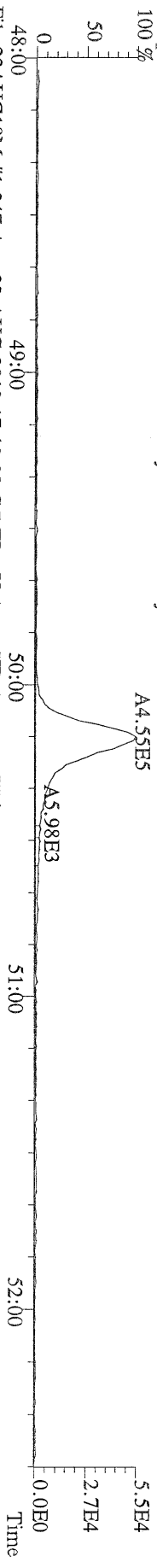
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419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



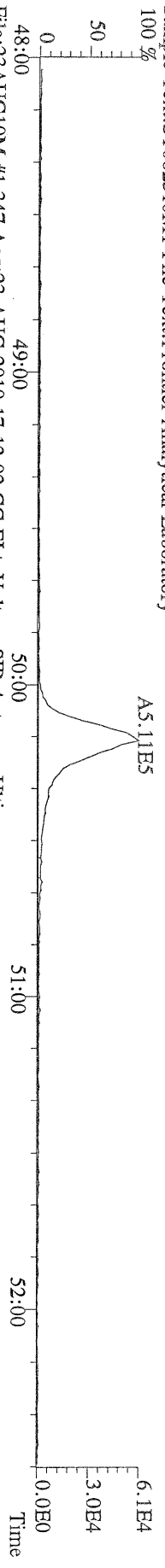
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479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



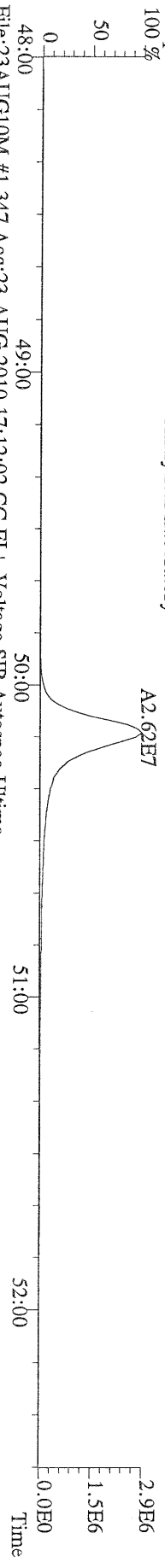
File:23AUG10M #1-347 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



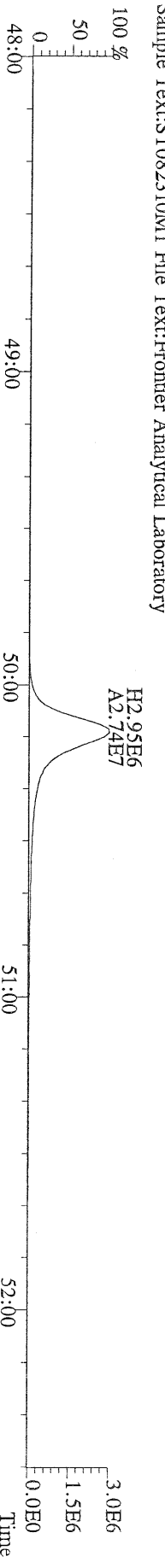
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 443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



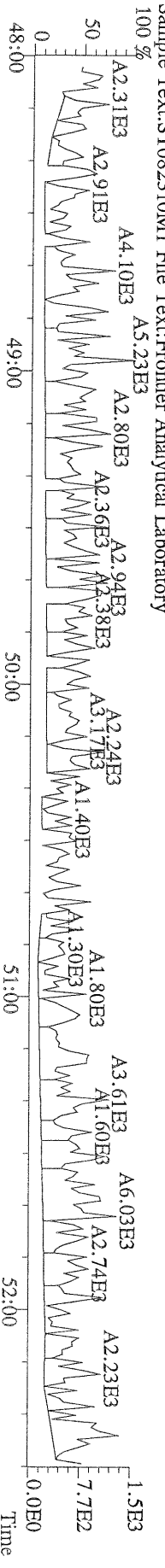
File:23AUG10M #1-347 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



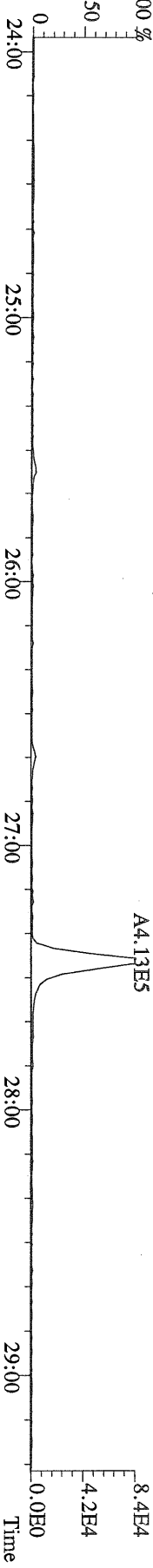
File:23AUG10M #1-347 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



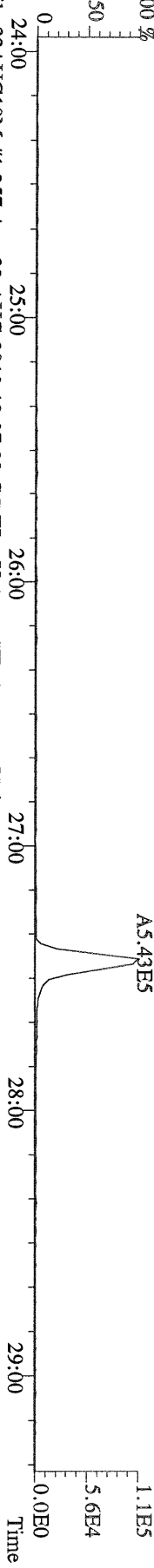
File:23AUG10M #1-347 Acq:23-AUG-2010 17:12:02 GC EI+ Voltage SIR Autospec-Ultima
 513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M1 File Text:Frontier Analytical Laboratory



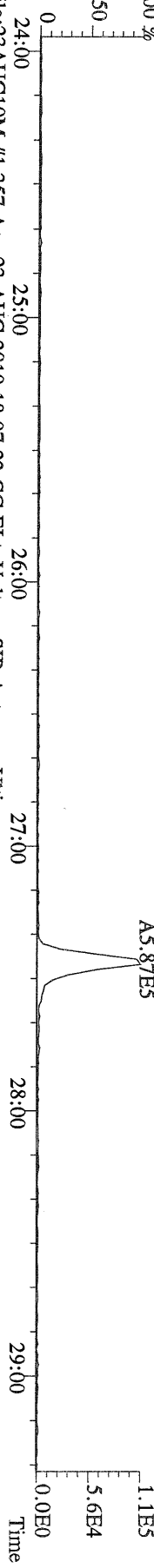
File:23AUG10M #1-357 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



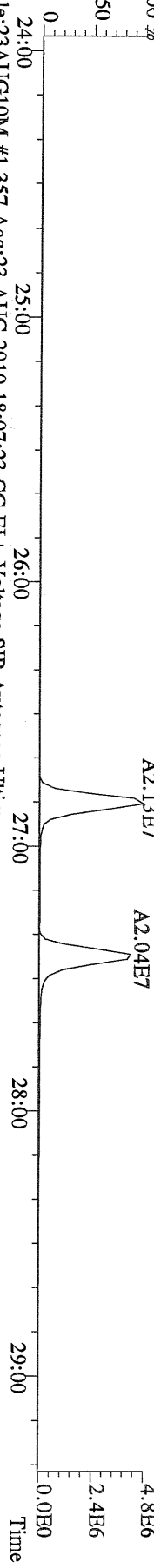
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321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



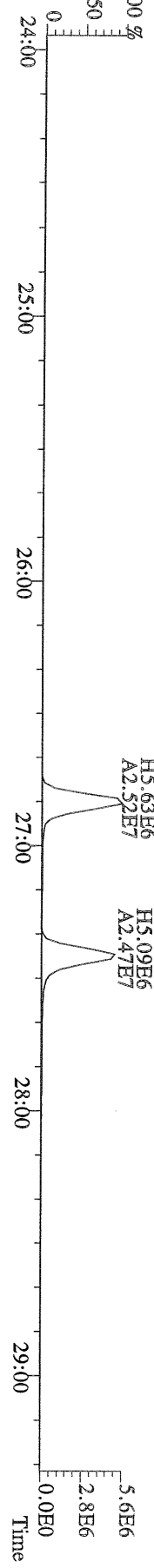
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327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



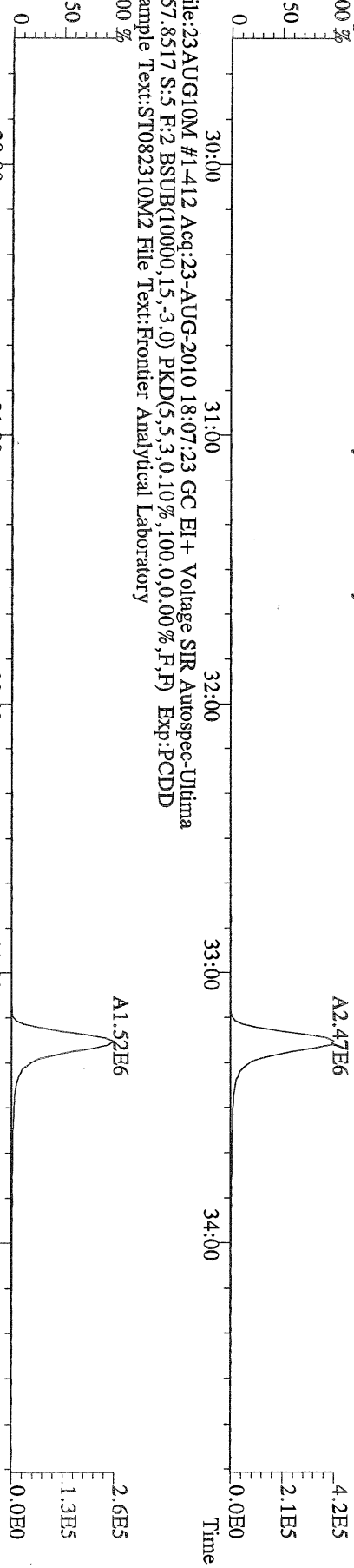
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331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



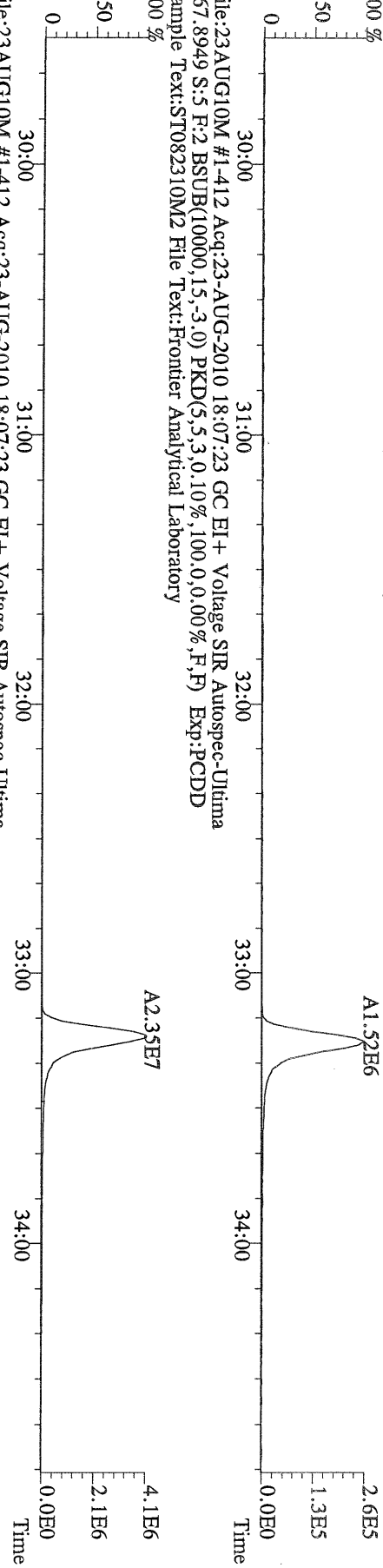
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333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



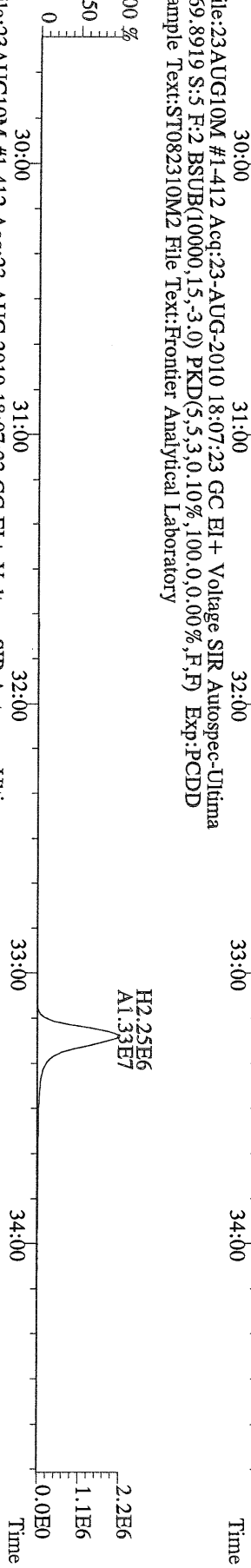
File:23AUG10M #1-412 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:5 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:P:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



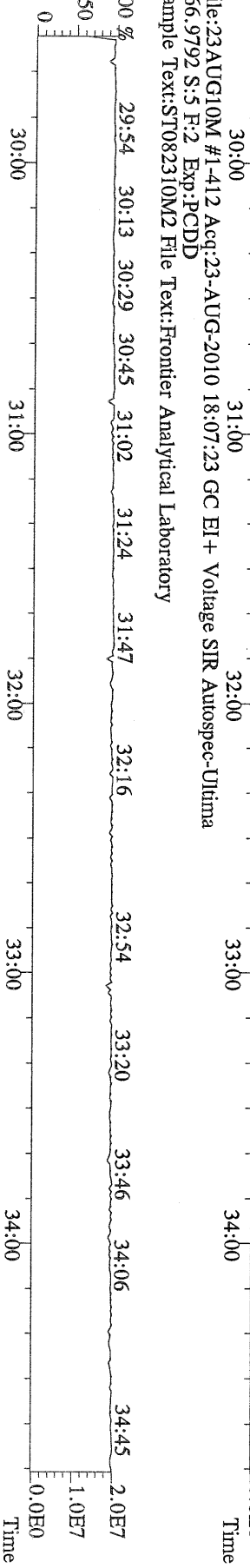
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357.8517 S:5 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:P:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



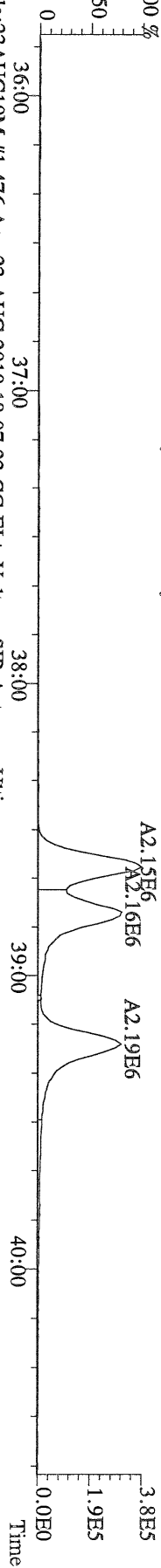
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367.8949 S:5 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0,0%) Exp:P:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



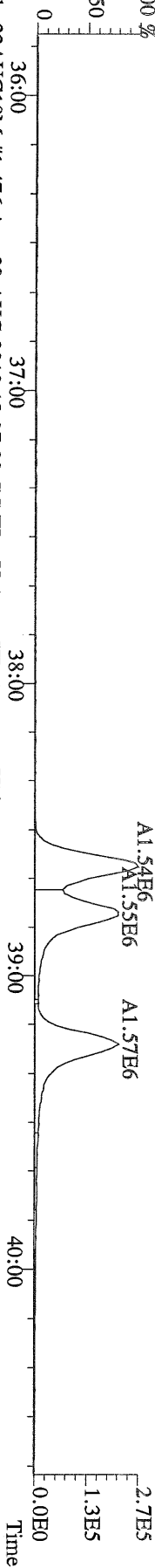
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366.9792 S:5 F:2 Exp:P:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



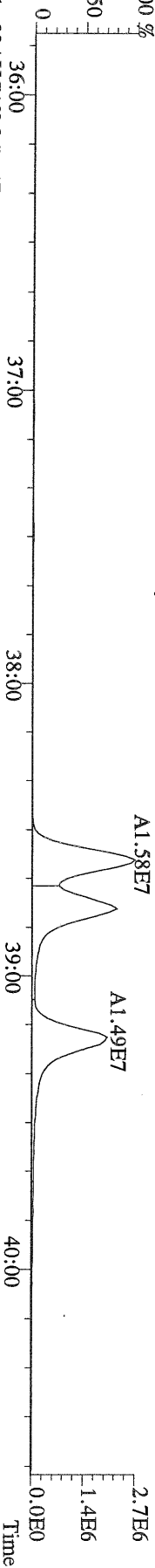
File:23AUG10M #1-476 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



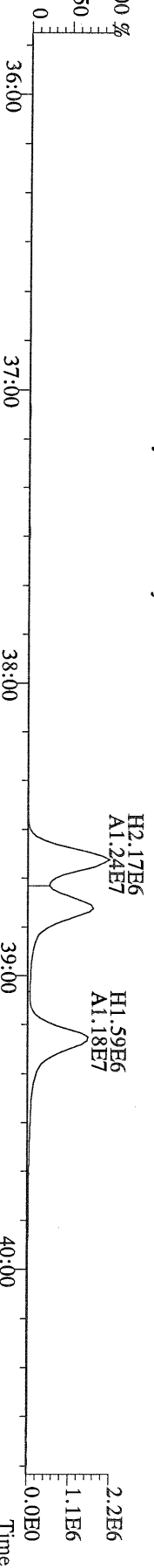
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 391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



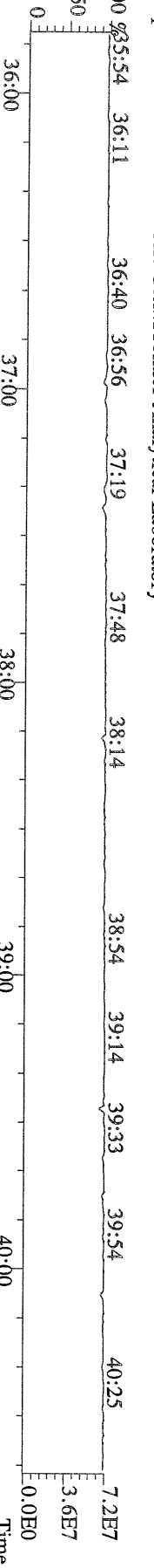
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 401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



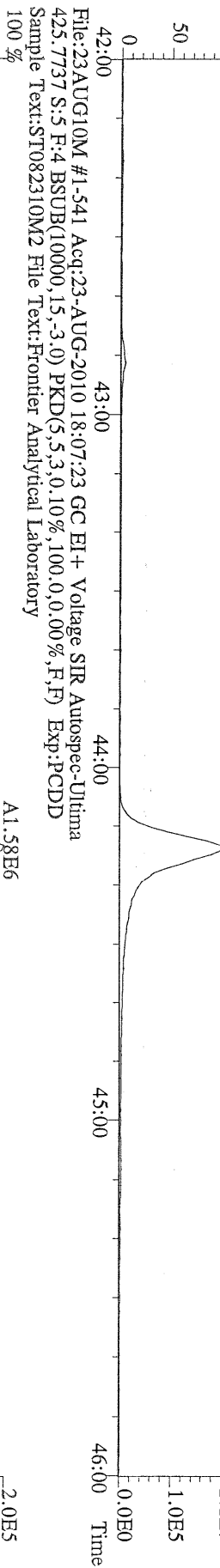
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 403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp.:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



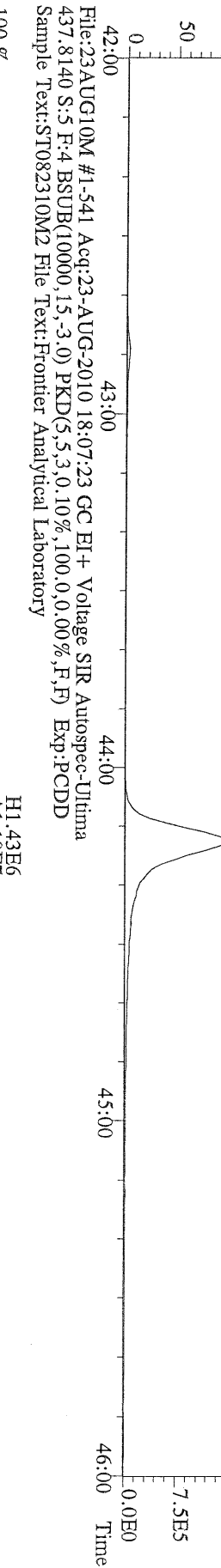
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 380.9760 S:5 F:3 Exp.:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



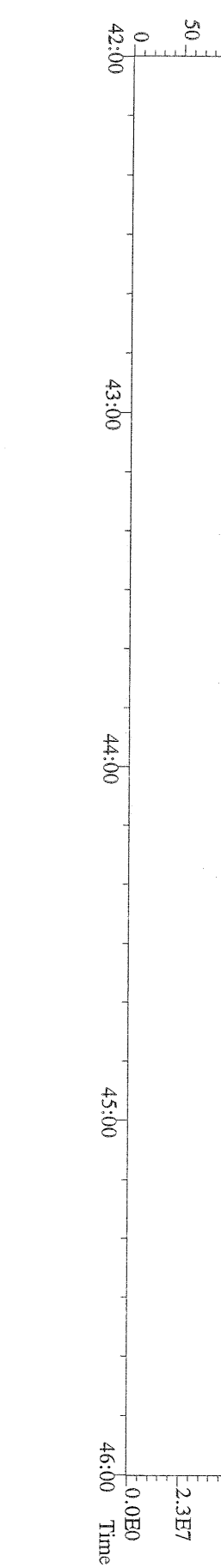
File:23AUG10M #1-541 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



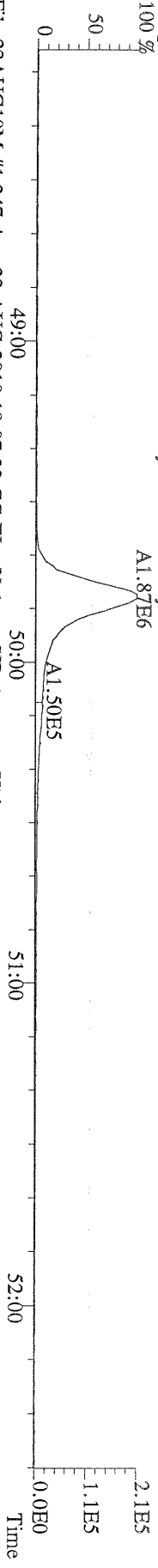
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435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



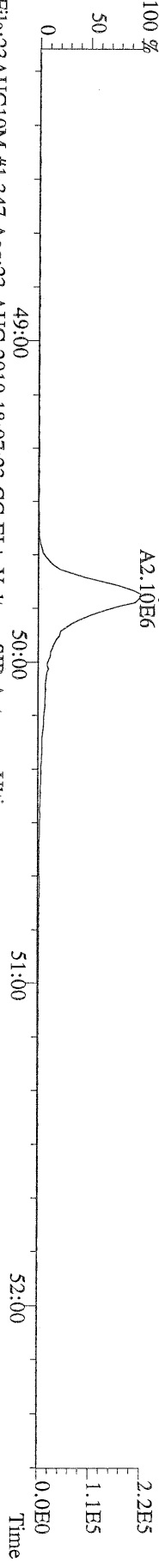
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430.9728 S:5 F:4 Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory
100 %



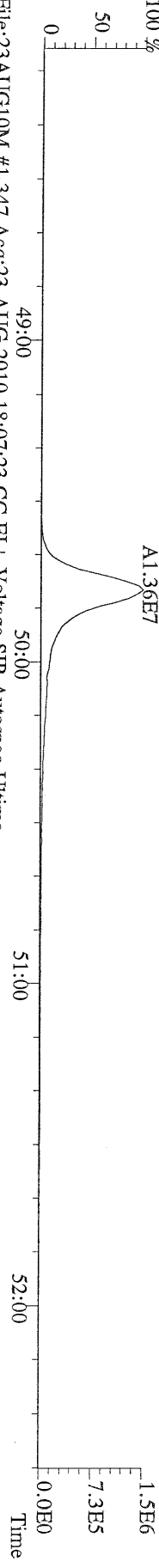
File:23AUG10M #1-347 Acq:23-AUG-2010 18:07:23 GC EI + Voltage SIR Autospec-Ultima
 457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



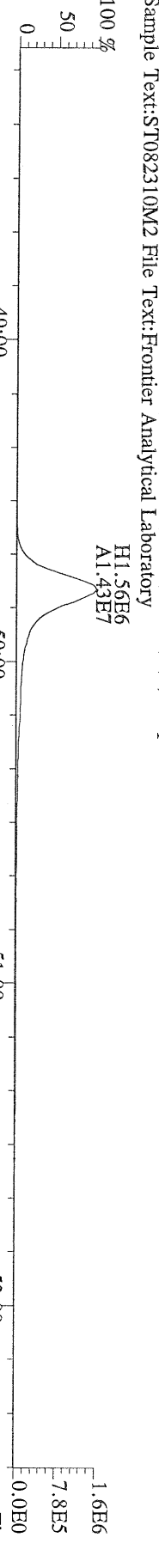
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 459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



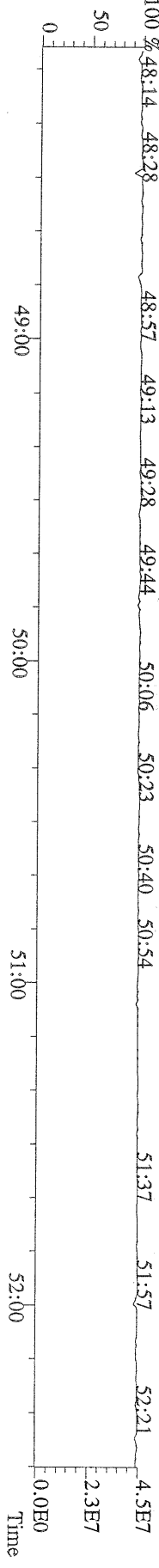
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 469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



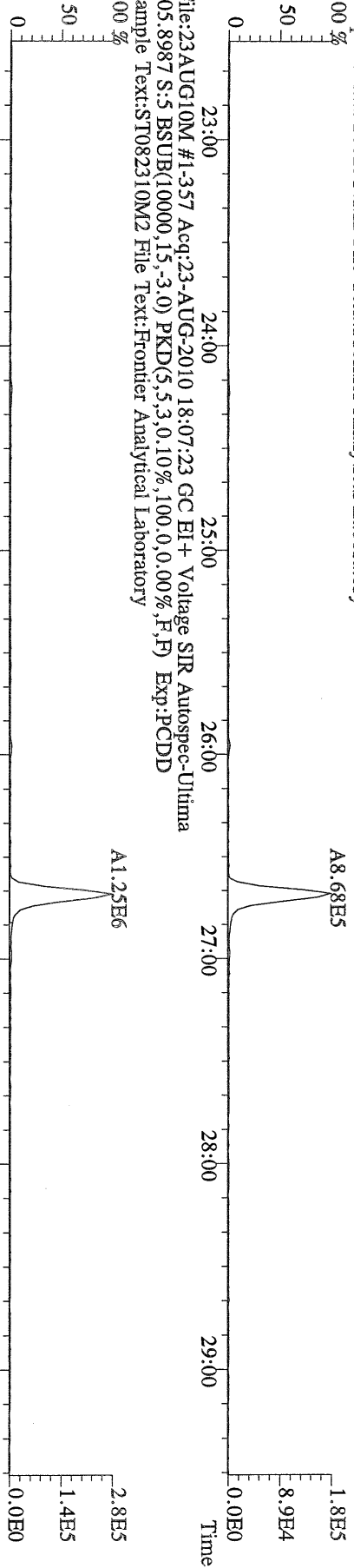
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 471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



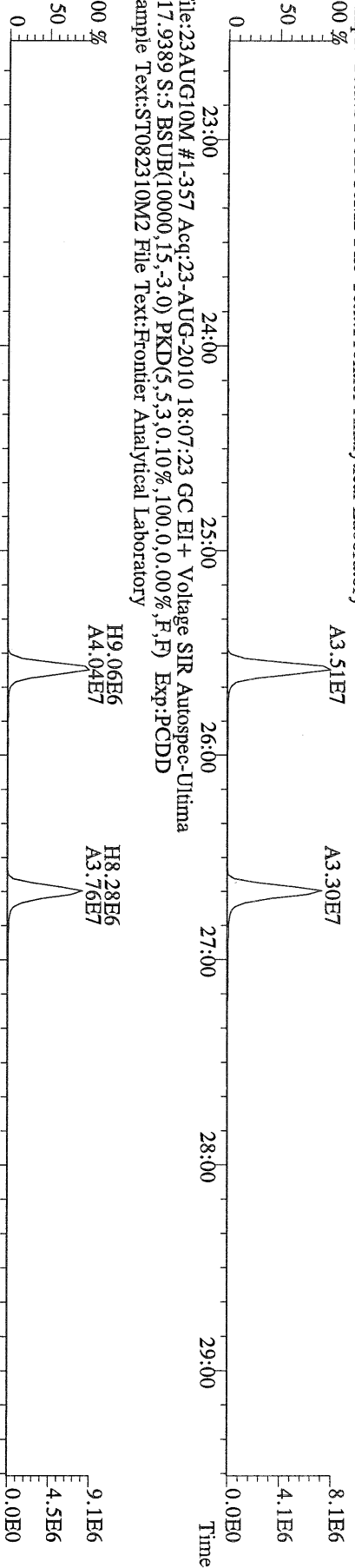
File:23AUG10M #1-347 Acq:23-AUG-2010 18:07:23 GC EI + Voltage SIR Autospec-Ultima
 454.9728 S:5 F:5 Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



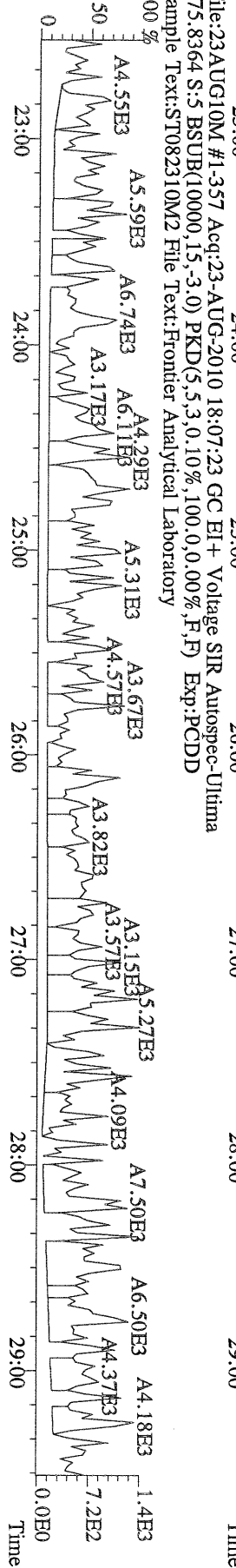
File:23AUG10M #1-357 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



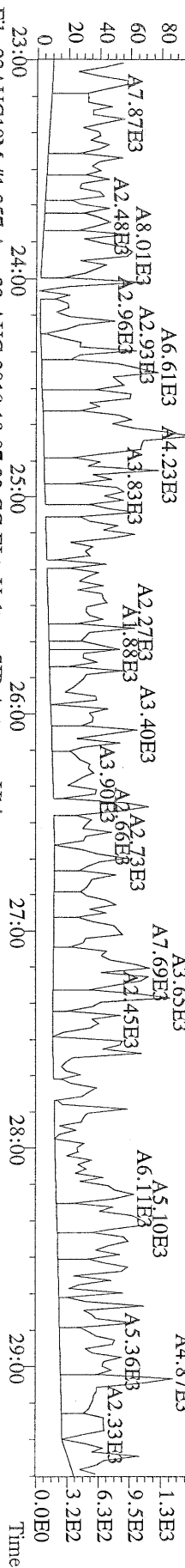
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 315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



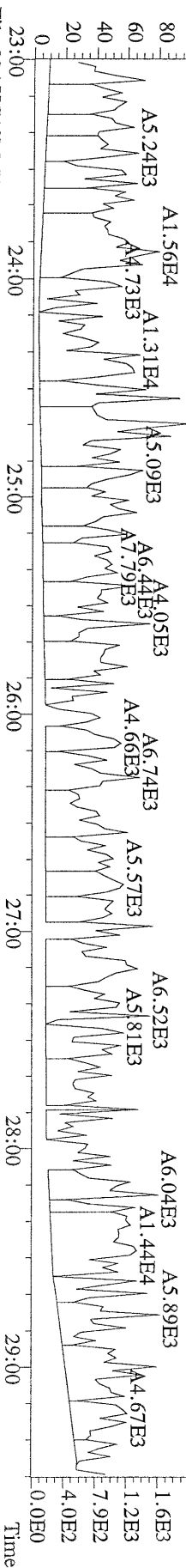
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 317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
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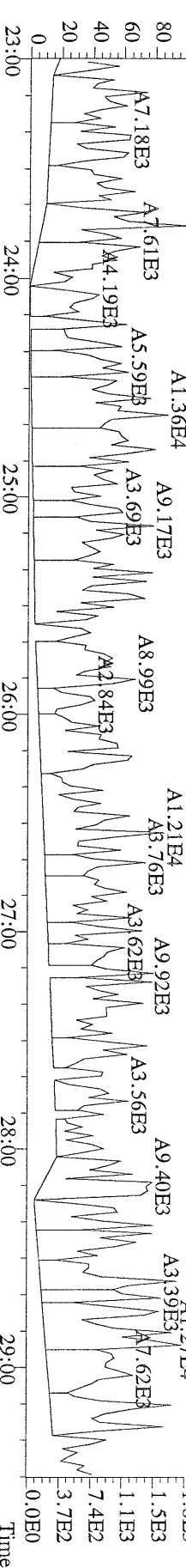
File:23AUG10M #1-357 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



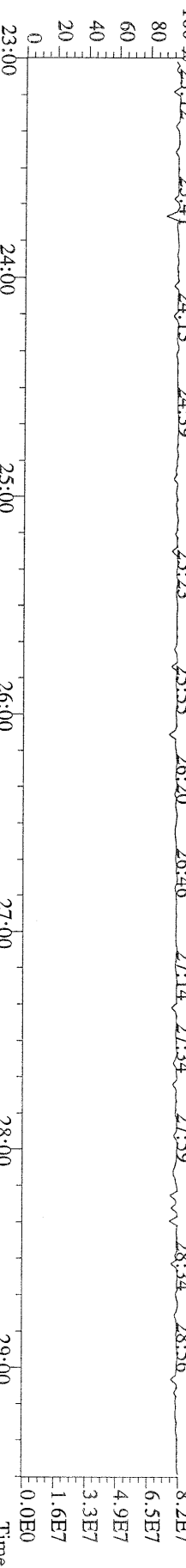
File:23AUG10M #1-357 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



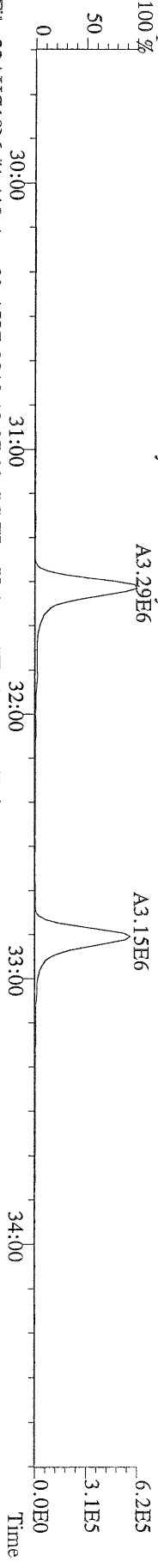
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 409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



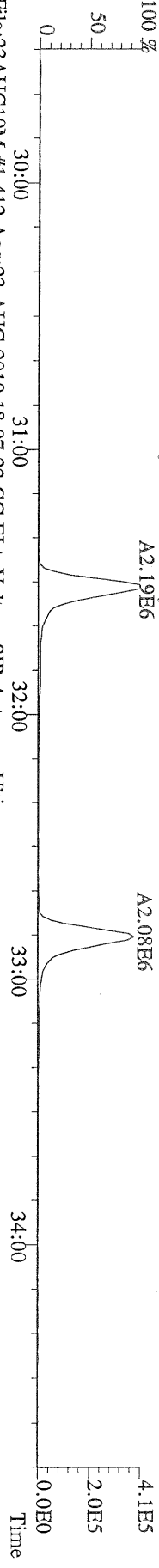
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 330.9792 S:5 Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



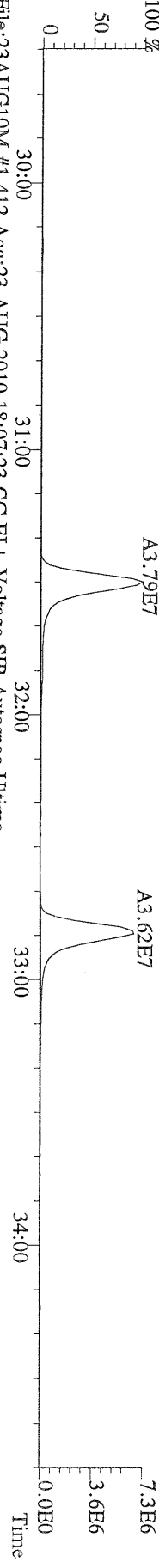
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 339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



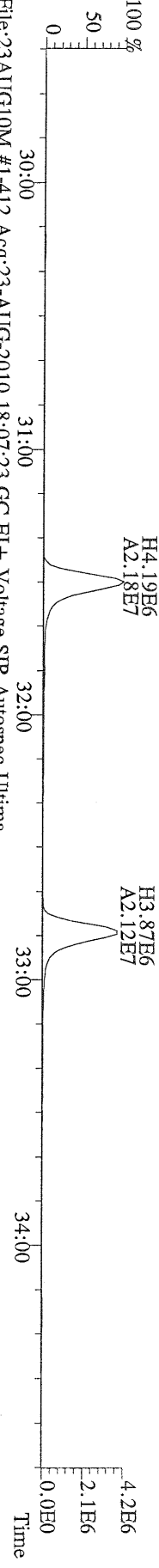
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 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



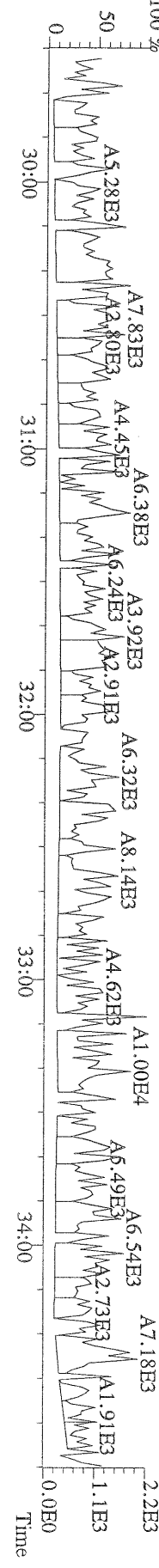
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 351.9000 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



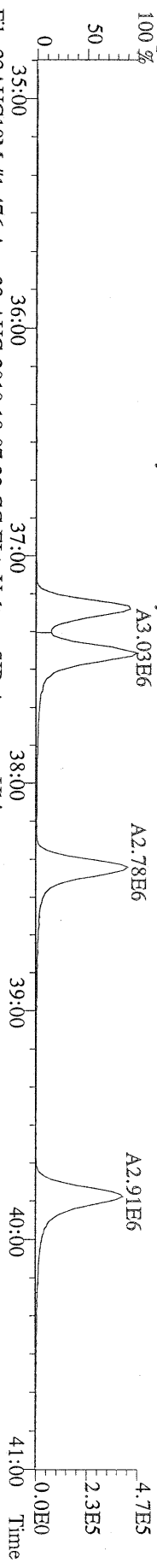
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 353.8970 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



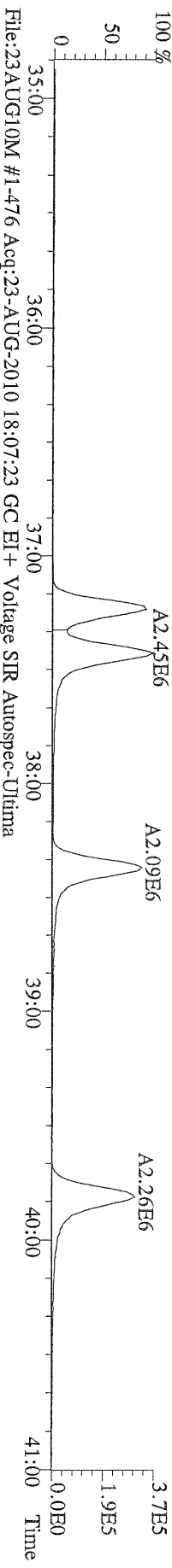
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 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



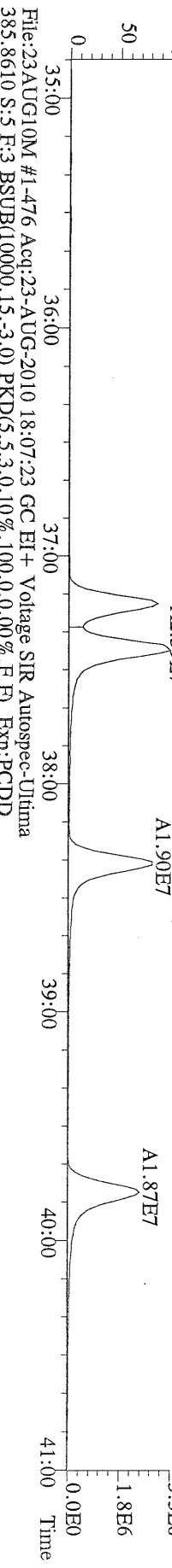
File:23AUG10M #1-476 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



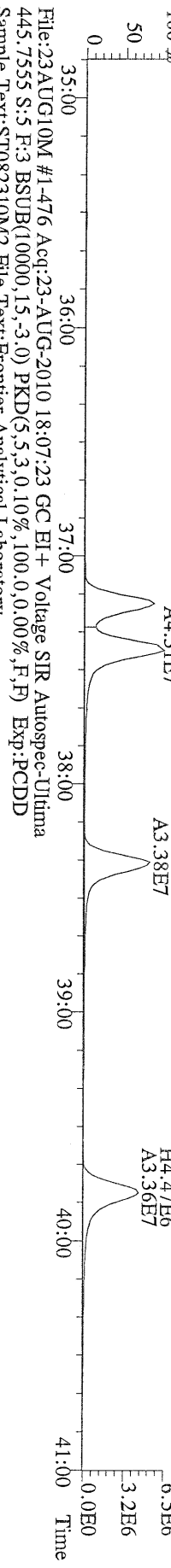
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375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



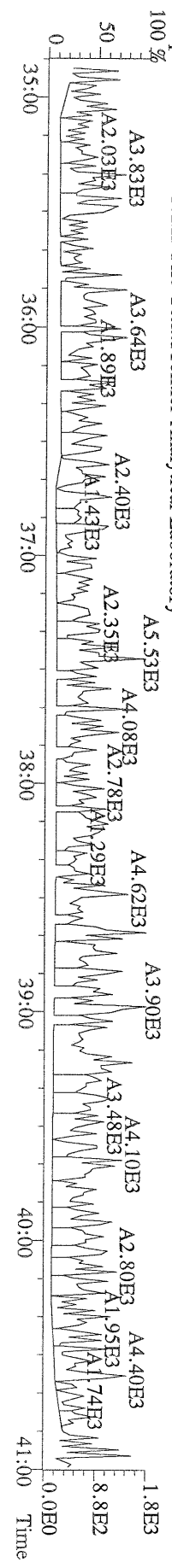
File:23AUG10M #1-476 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



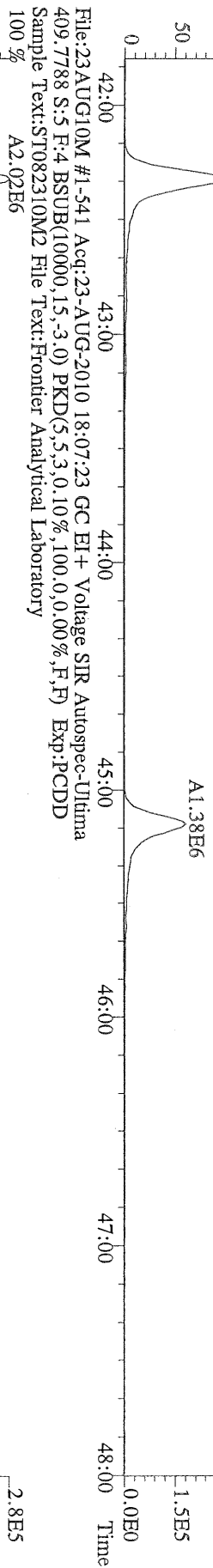
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385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



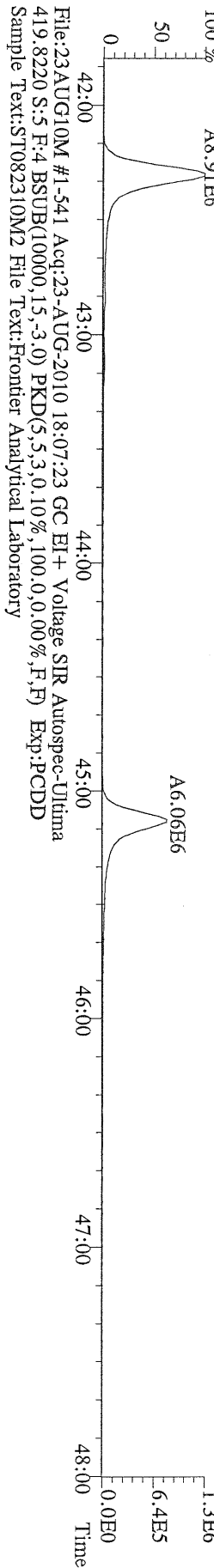
File:23AUG10M #1-476 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



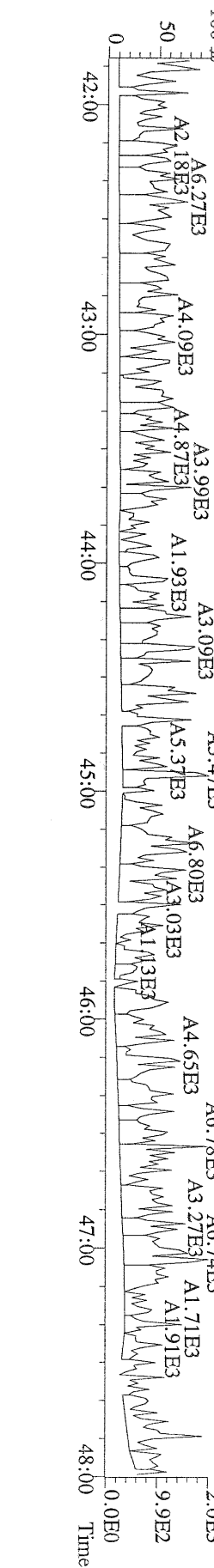
File:23AUG10M #1-541 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Fronter Analytical Laboratory



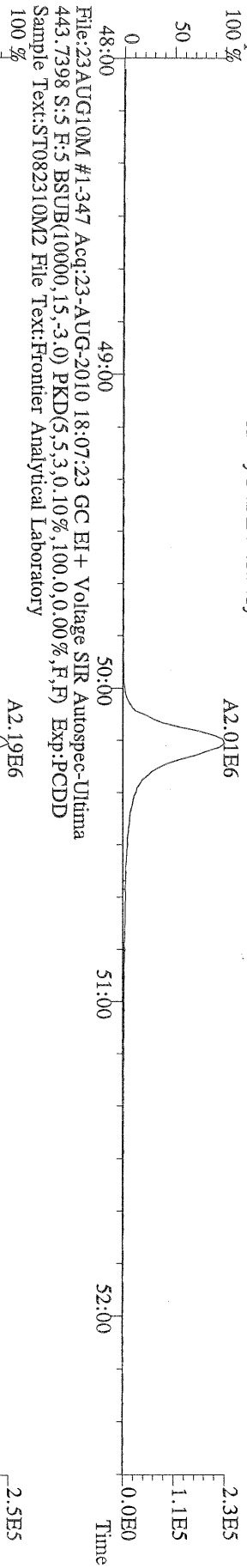
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 417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
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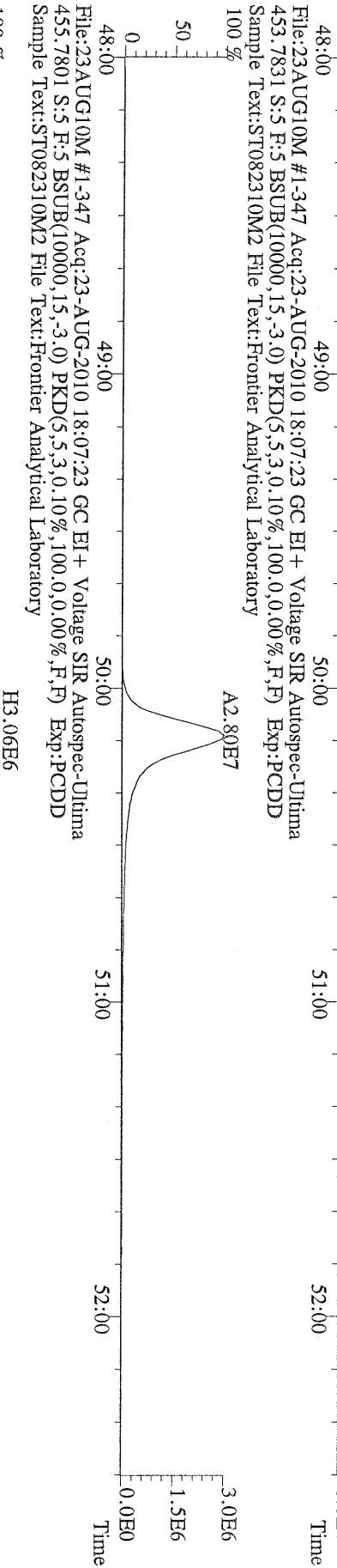
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 419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Fronter Analytical Laboratory



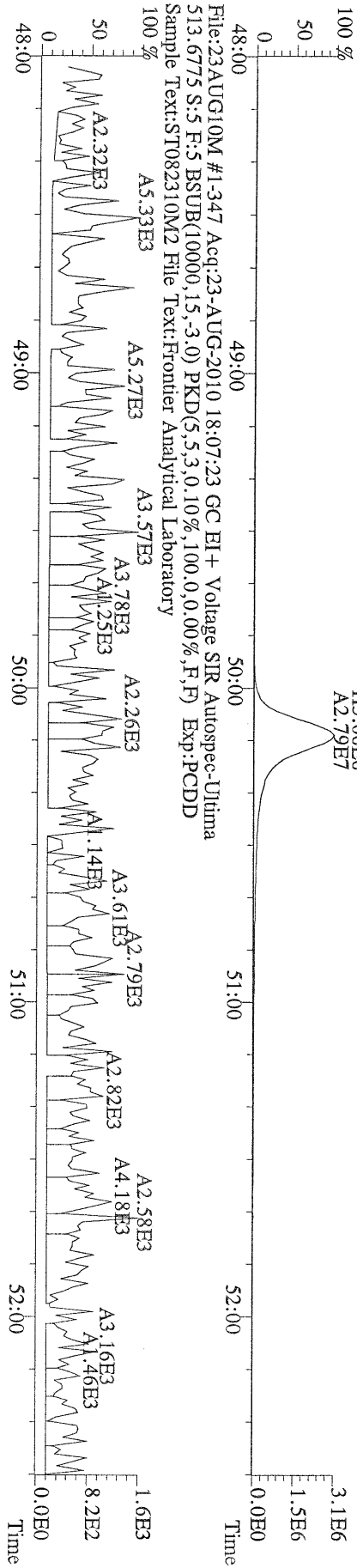
File:23AUG10M #1-347 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



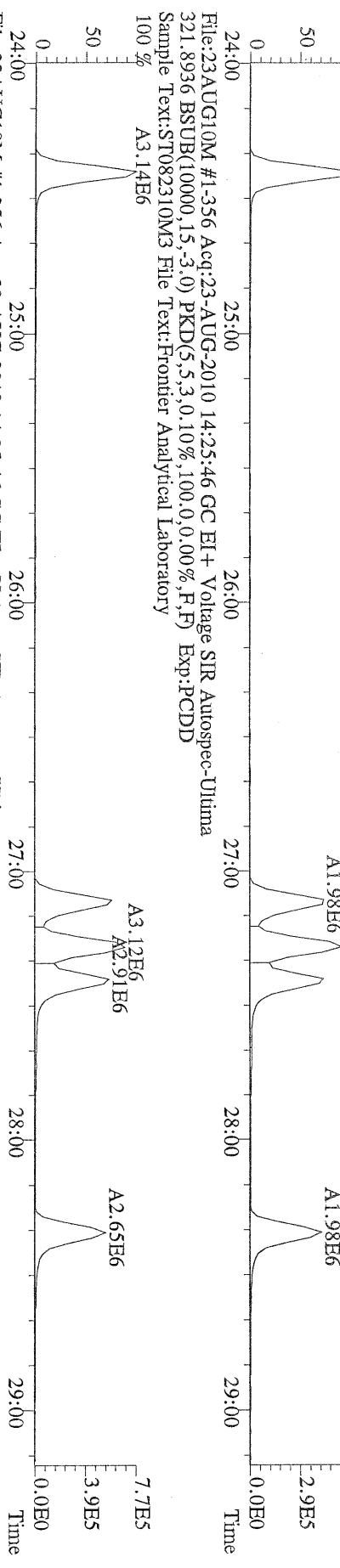
File:23AUG10M #1-347 Acq:23-AUG-2010 18:07:23 GC EI+ Voltage SIR Autospec-Ultima
 453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



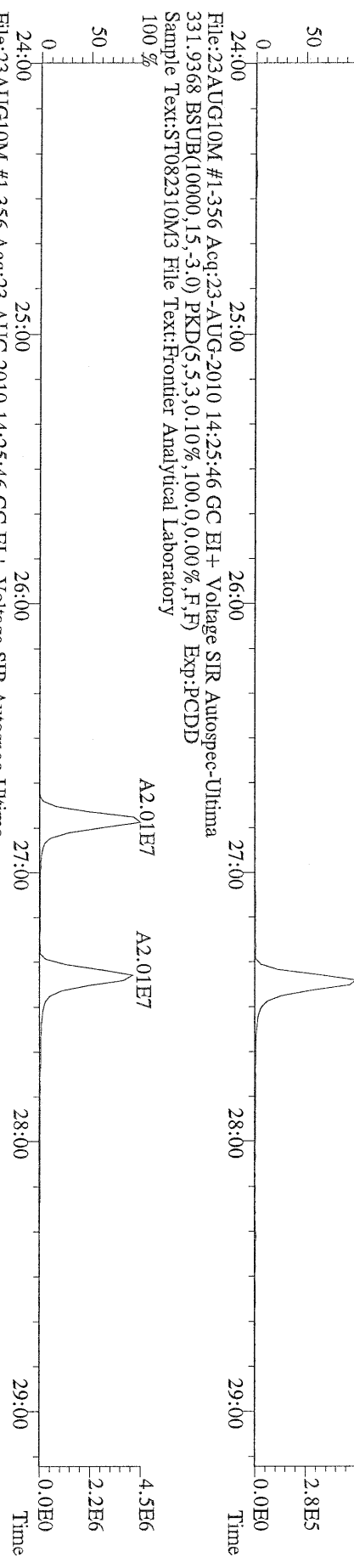
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 513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M2 File Text:Frontier Analytical Laboratory



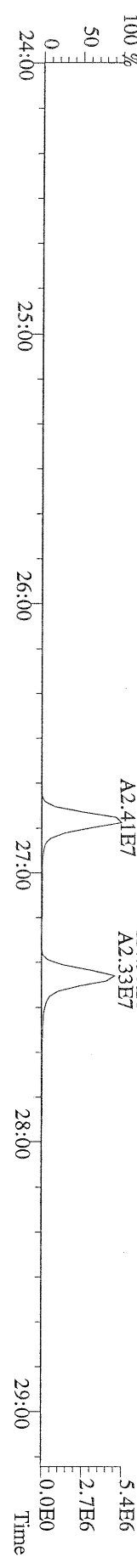
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



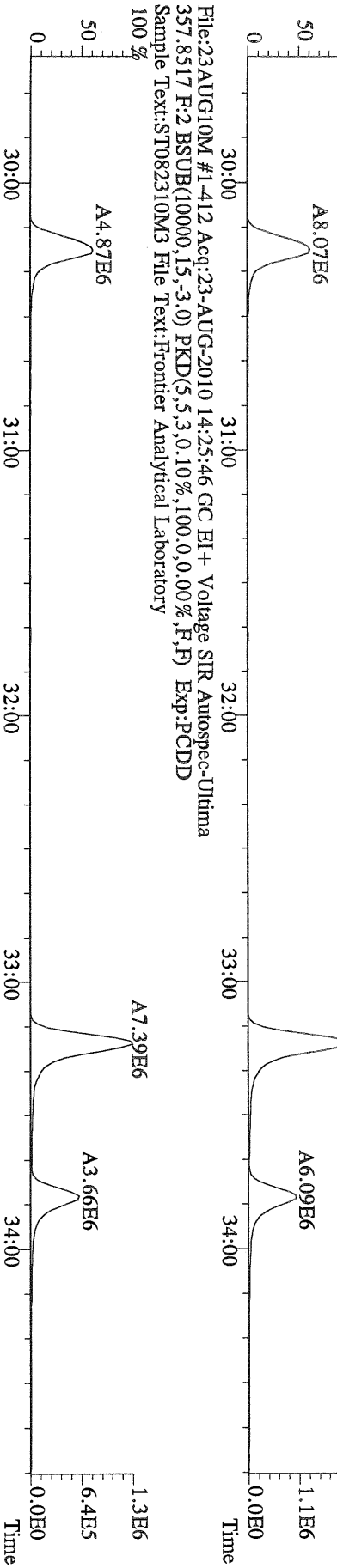
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327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



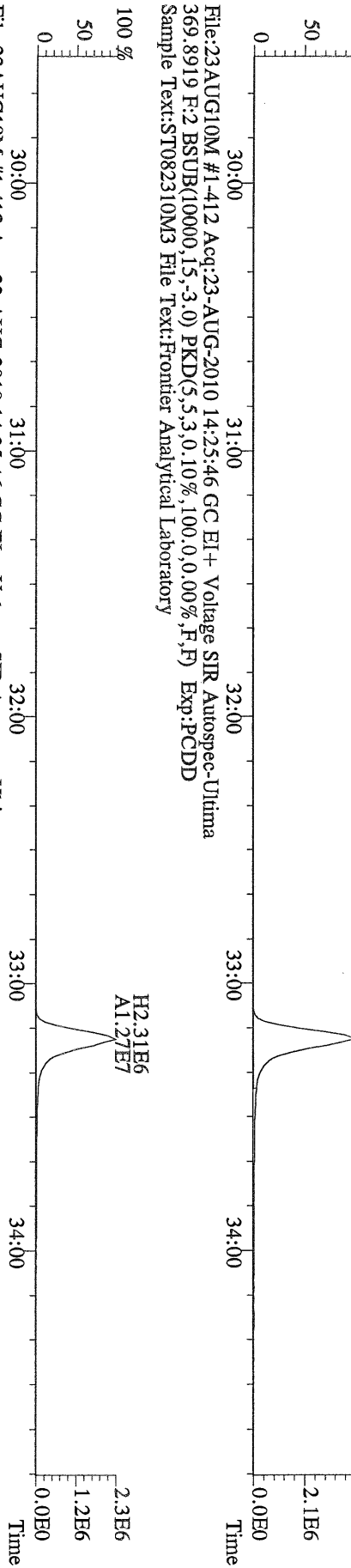
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



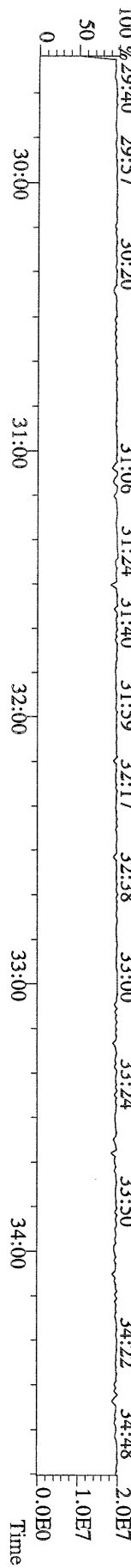
File:23AUG10M #1-412 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory
 100 %



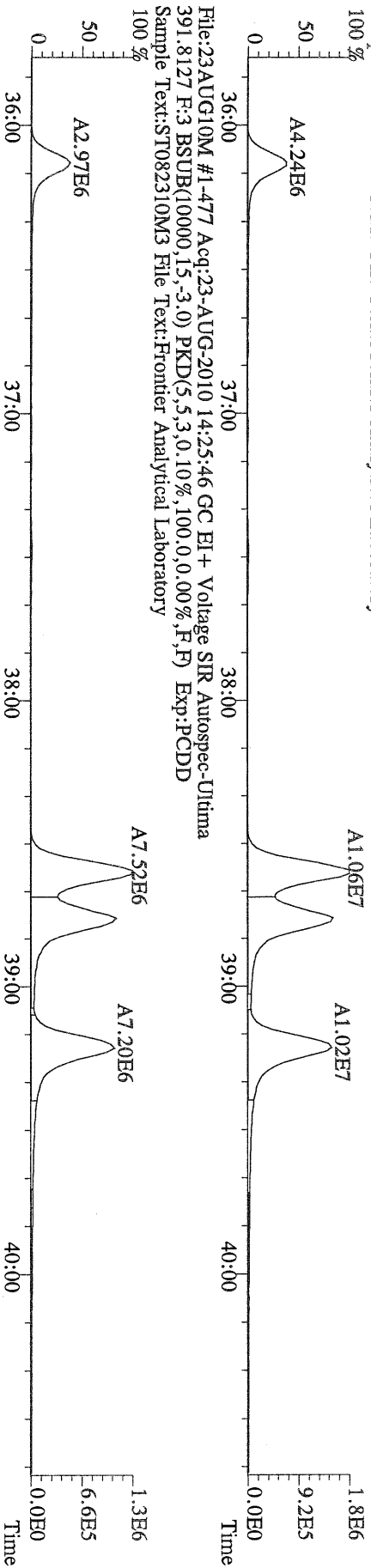
File:23AUG10M #1-412 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3.0,100,0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory
 100 %



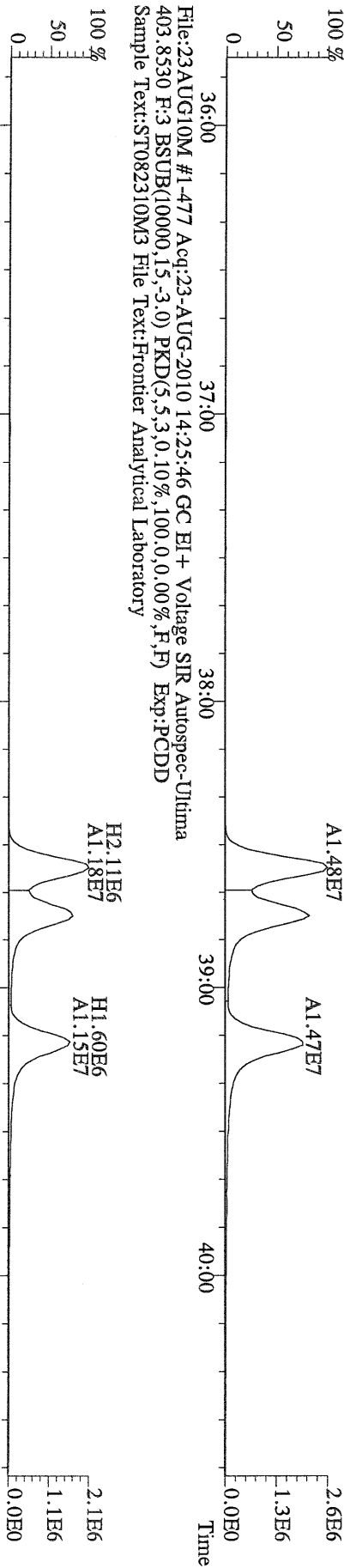
File:23AUG10M #1-412 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 366.9792 F:2 Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



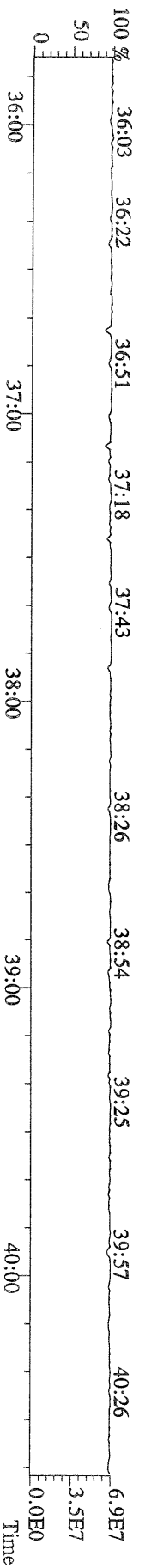
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 F.3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Fronter Analytical Laboratory



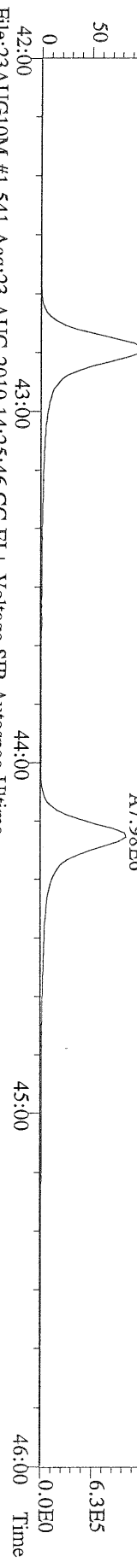
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 401.8559 F.3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Fronter Analytical Laboratory



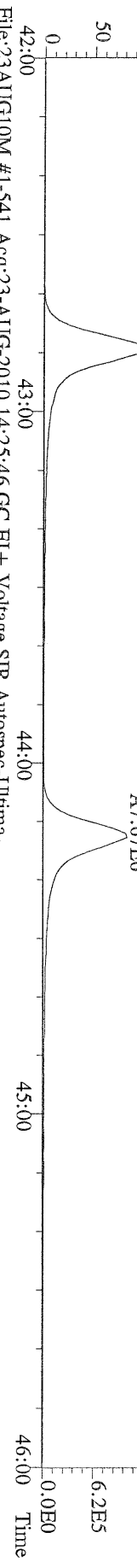
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 380.9760 F.3 Exp:PCDD
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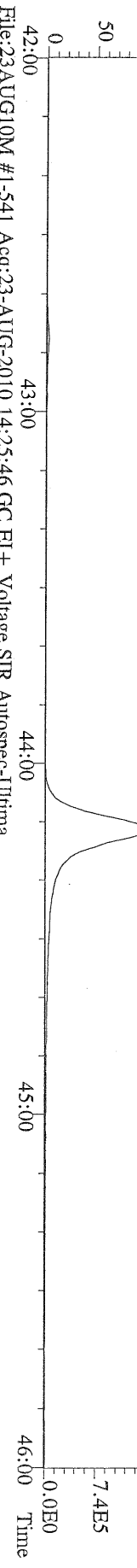
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



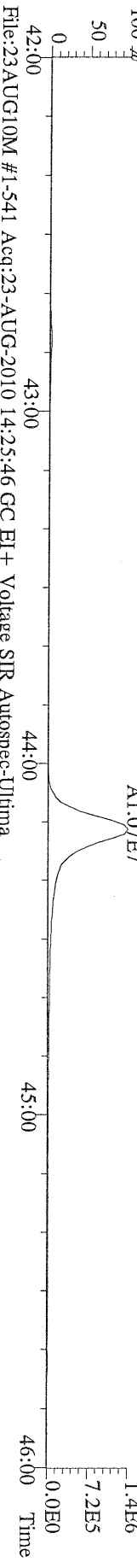
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425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



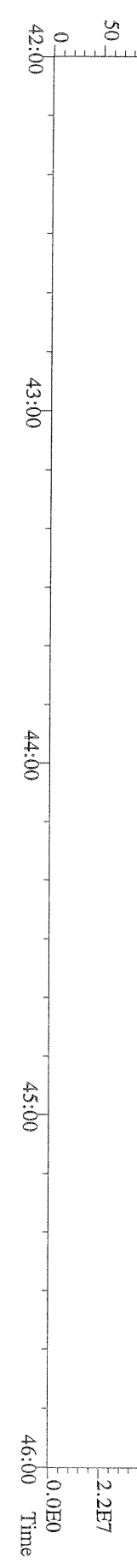
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



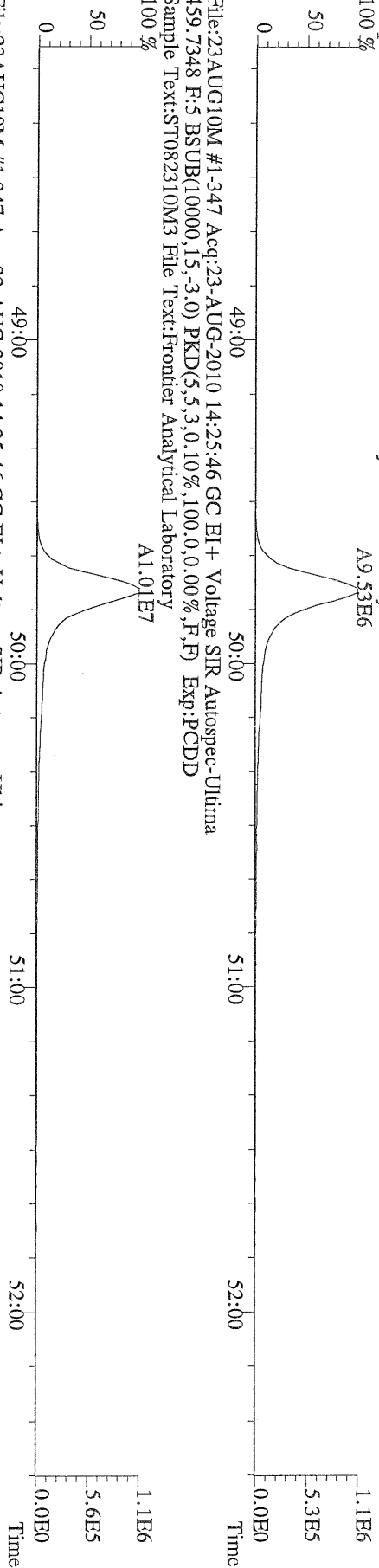
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430.9728 F:4 Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



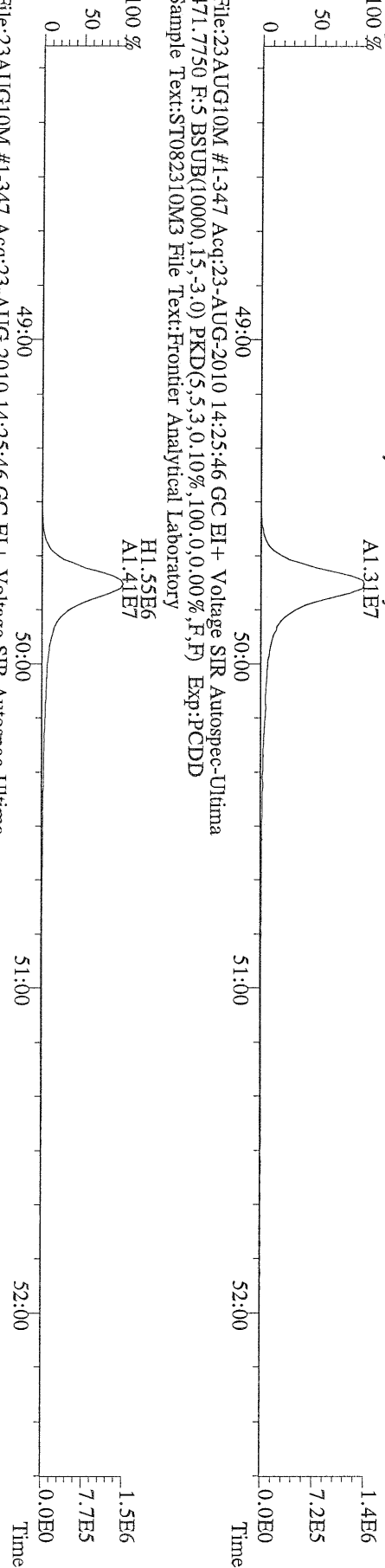
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437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



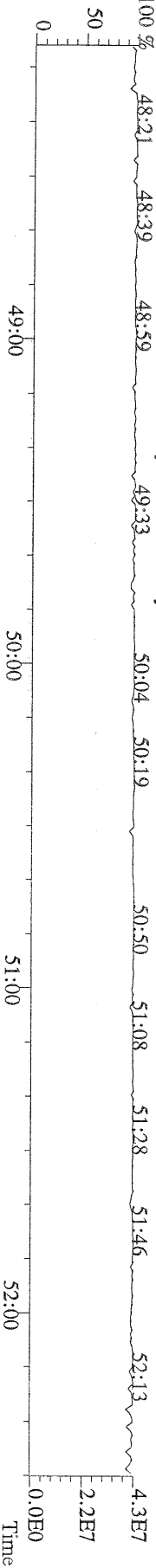
File:23AUG10M #1-347 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



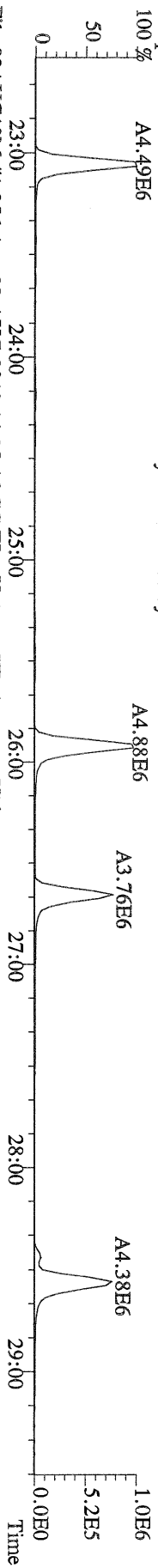
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469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



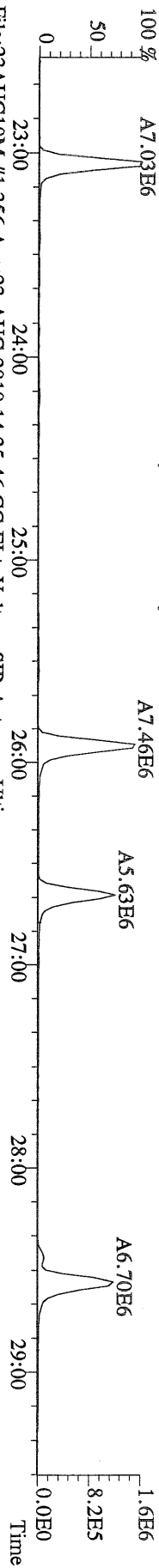
File:23AUG10M #1-347 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
454.9728 F:5 Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



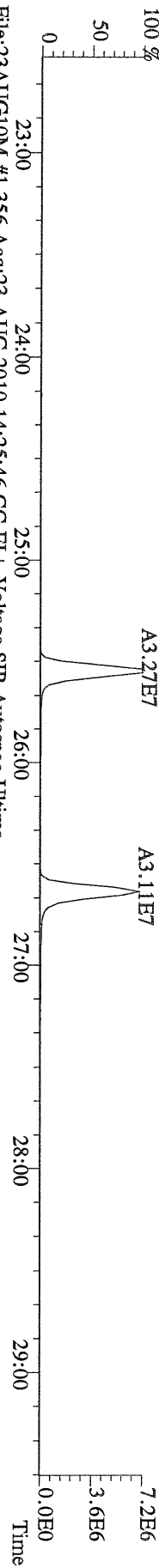
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 303.9016 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



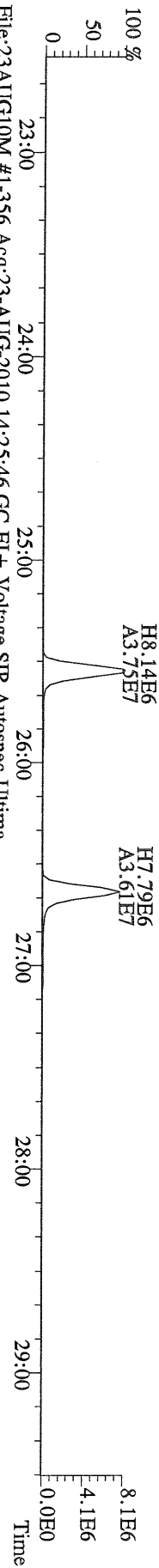
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 305.8987 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



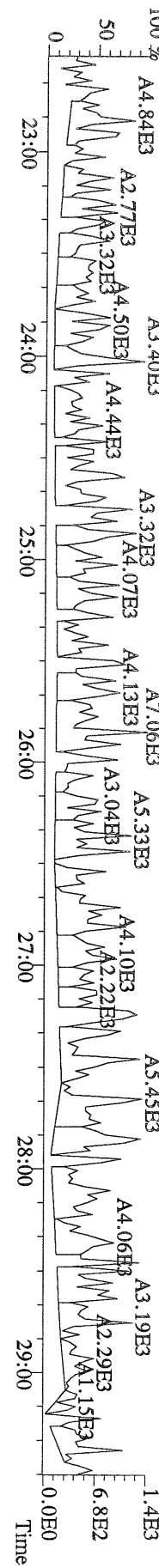
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 315.9419 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



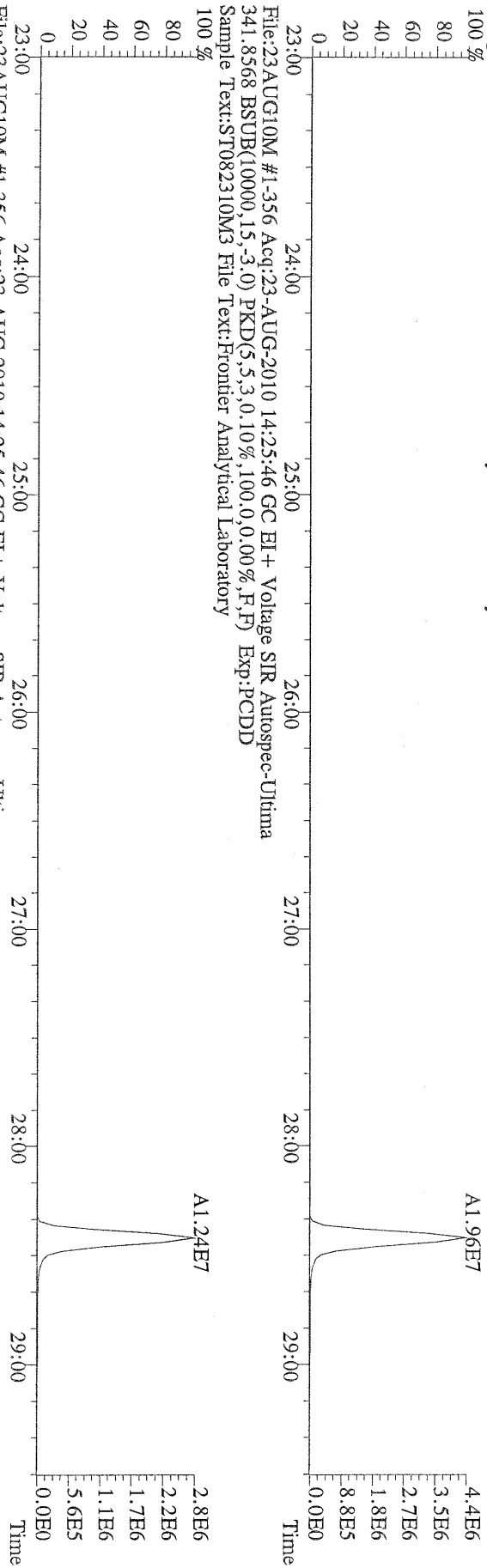
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 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



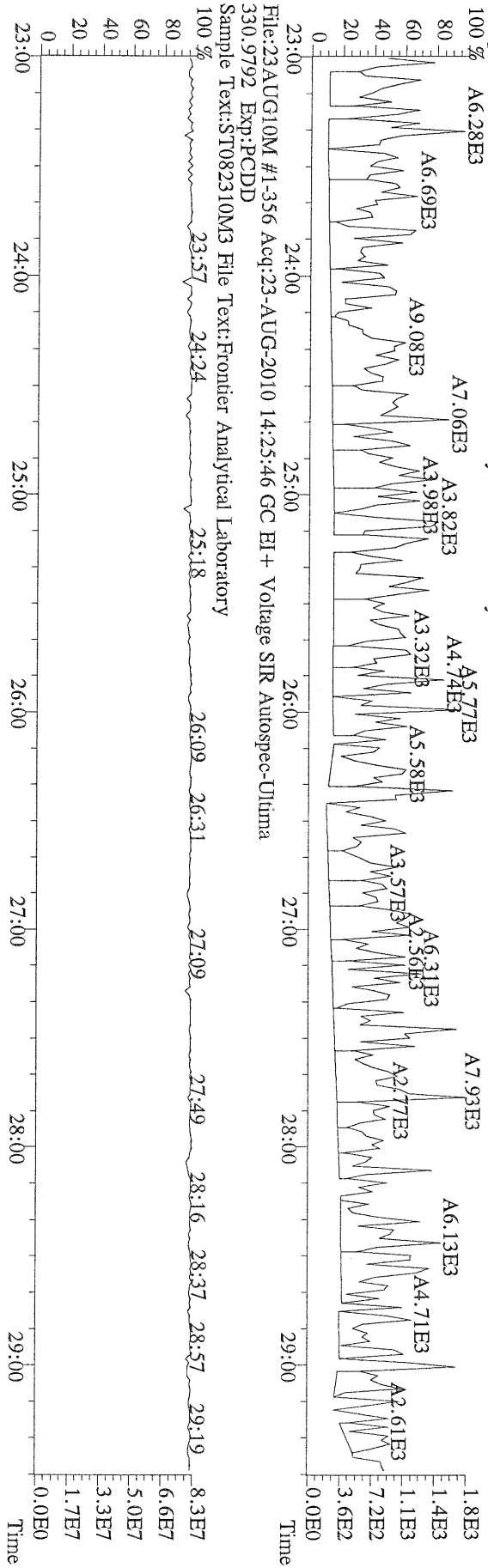
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 375.8364 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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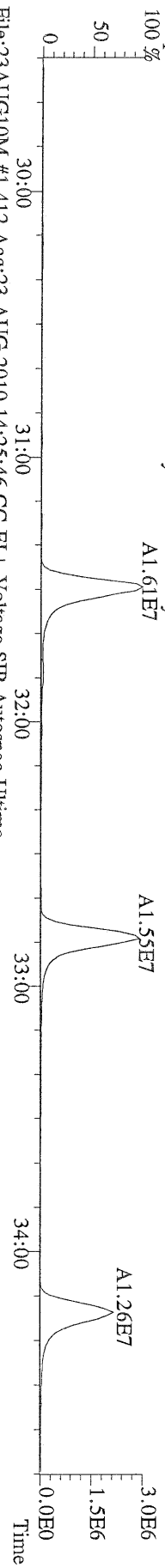
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



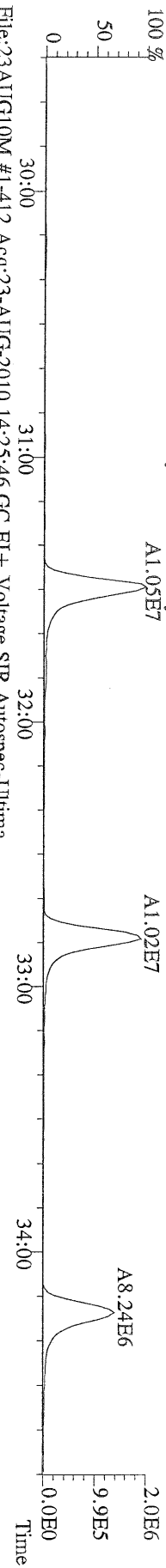
File:23AUG10M #1-356 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 BSUB(10000,15,-3.0) PKD(5,5,3.0,10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



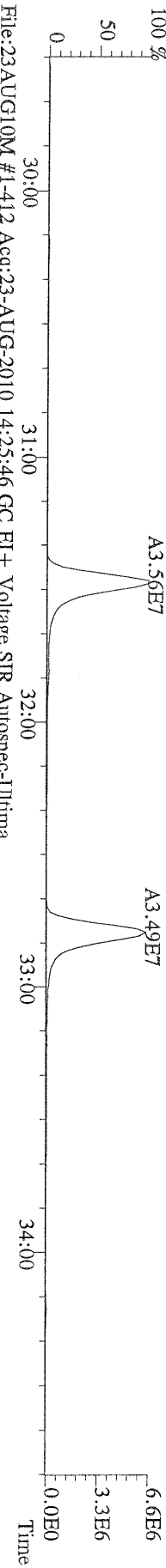
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 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



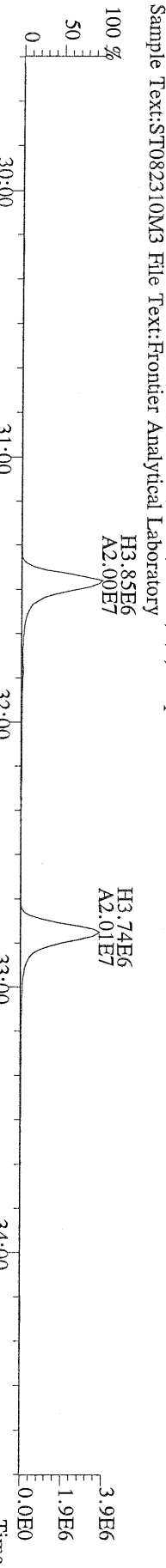
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 341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



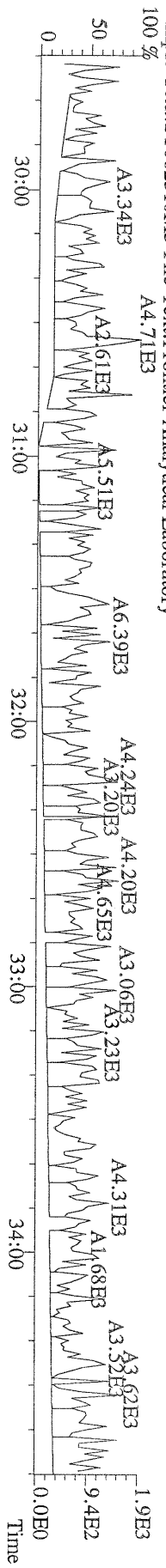
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 351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



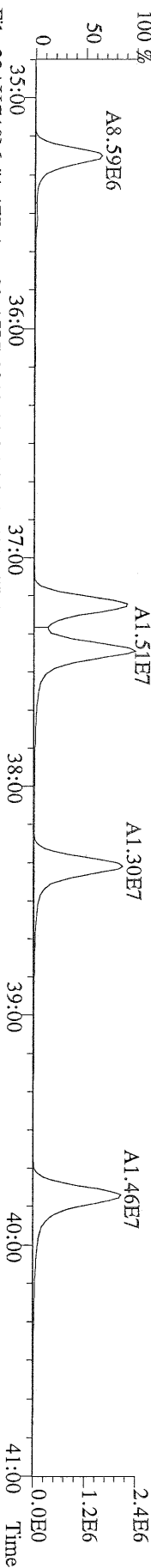
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 353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



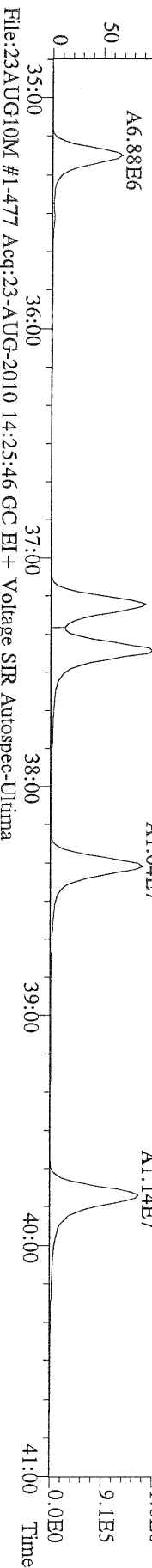
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 409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



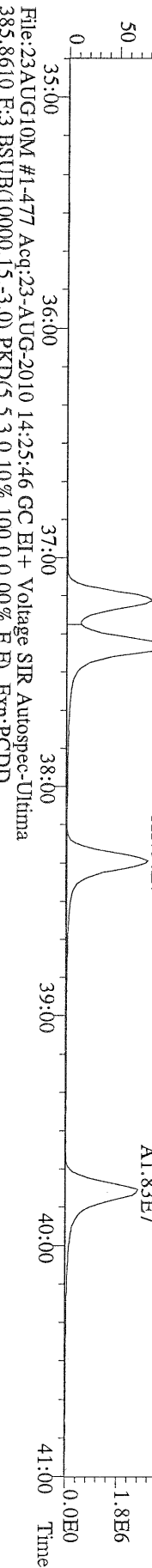
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



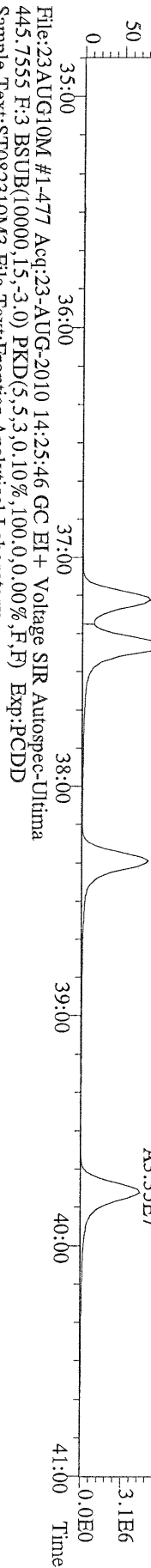
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



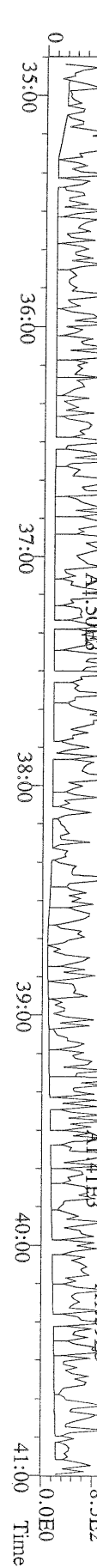
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



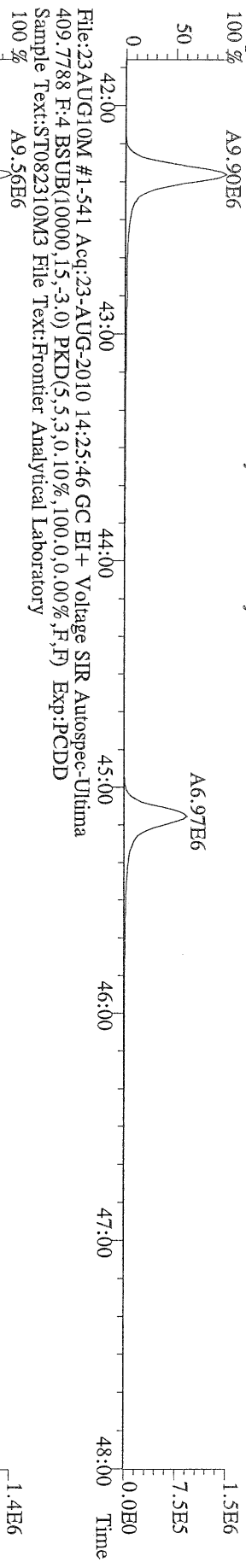
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



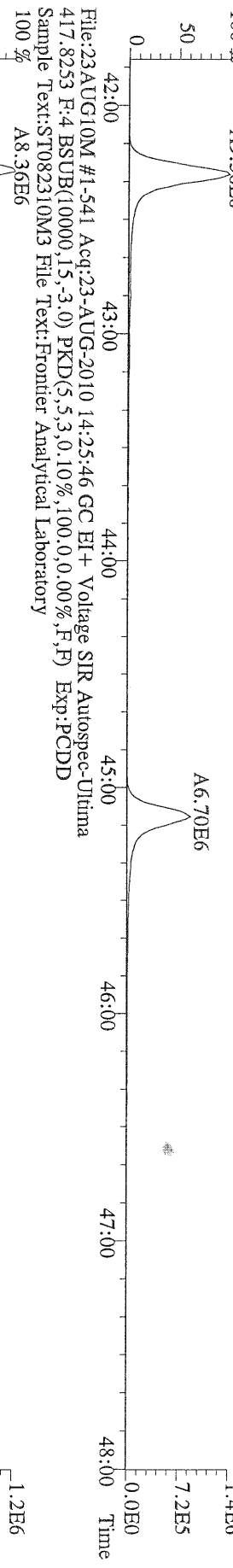
File:23AUG10M #1-477 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



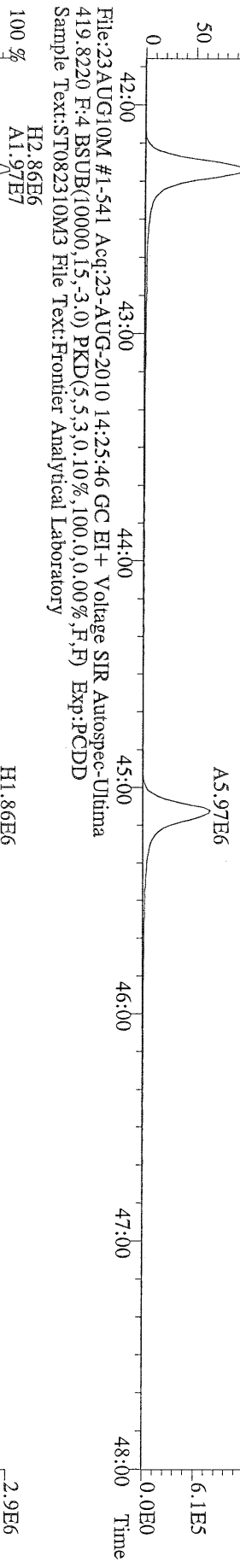
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI + Voltage SIR Autospec-Ultima
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



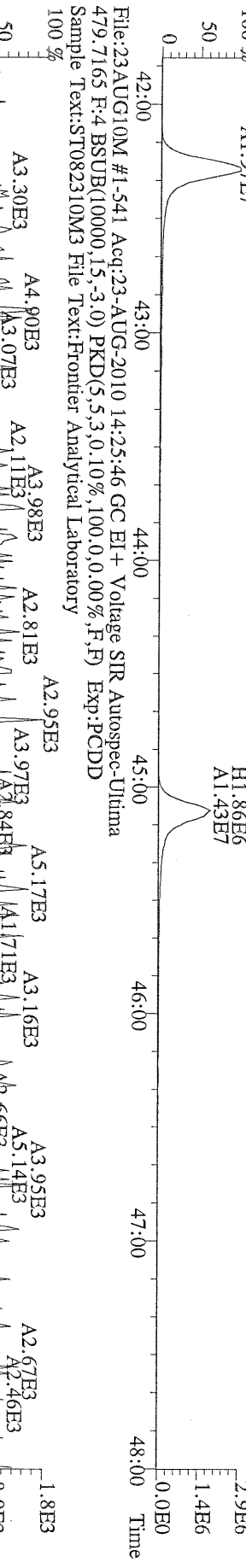
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI + Voltage SIR Autospec-Ultima
 409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



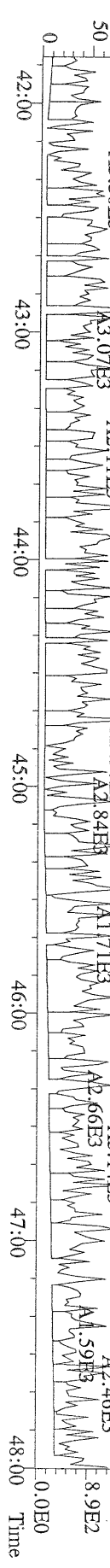
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI + Voltage SIR Autospec-Ultima
 417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



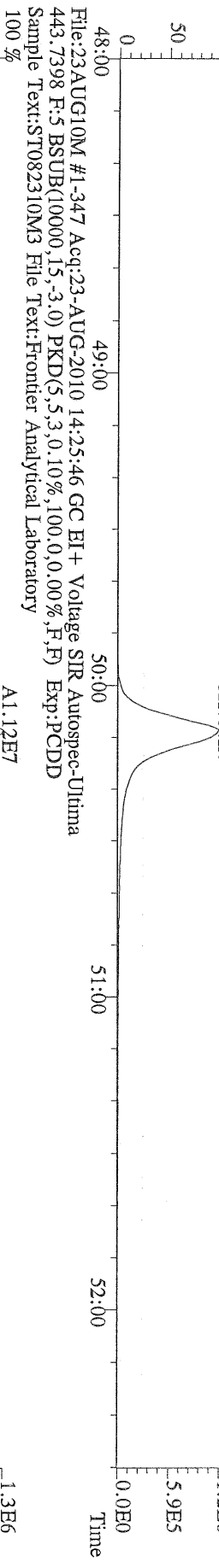
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI + Voltage SIR Autospec-Ultima
 419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



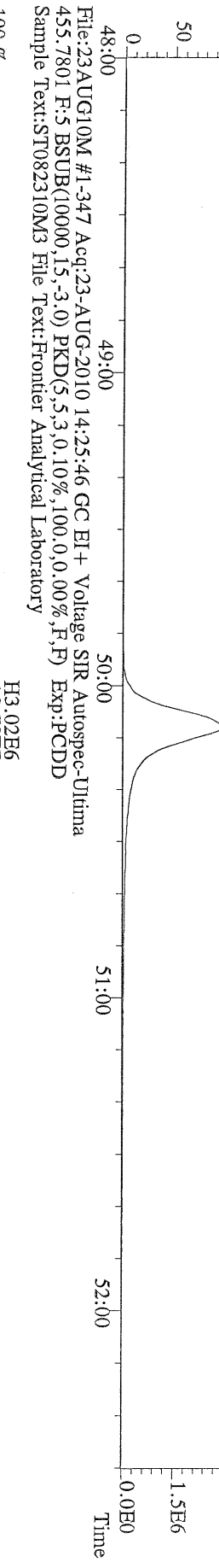
File:23AUG10M #1-541 Acq:23-AUG-2010 14:25:46 GC EI + Voltage SIR Autospec-Ultima
 479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



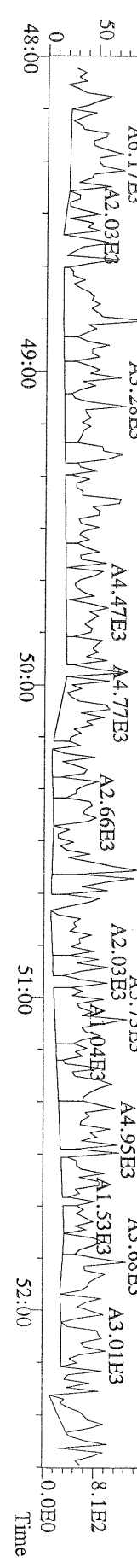
File:23AUG10M #1-347 Acq:23-AUG-2010 14:25:46 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



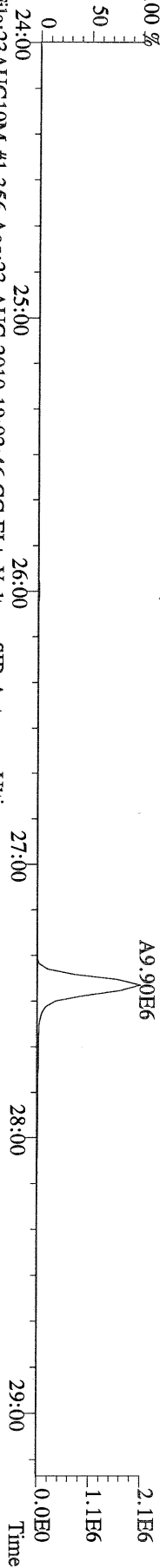
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 453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



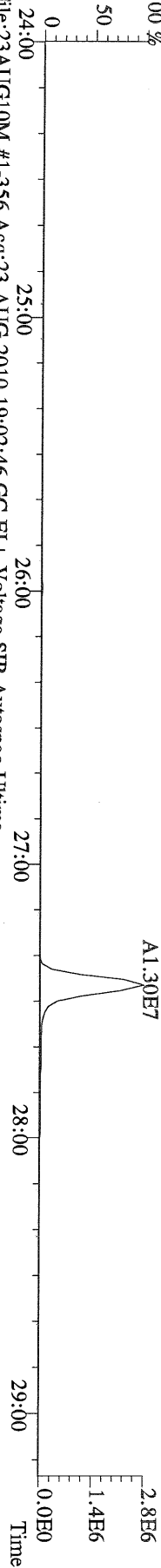
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 455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M3 File Text:Frontier Analytical Laboratory



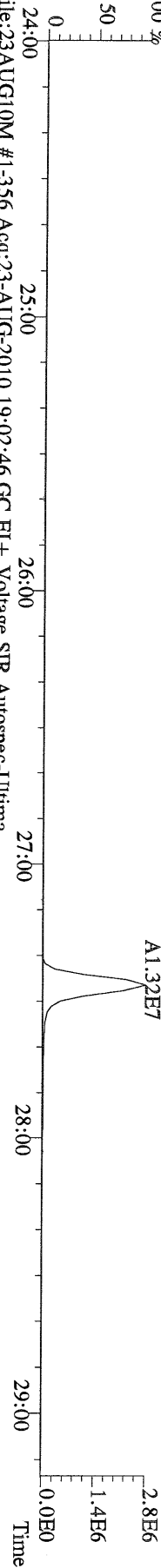
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory
100 %



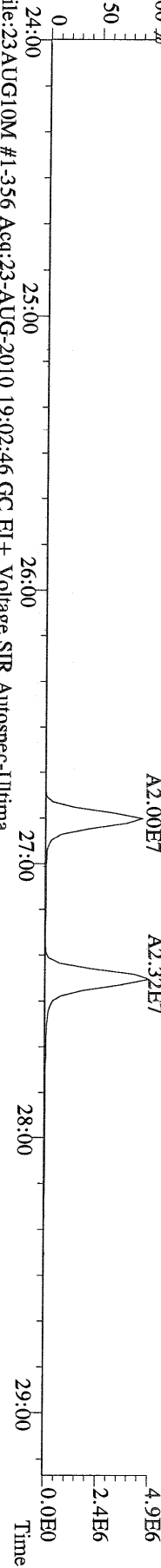
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory
100 %



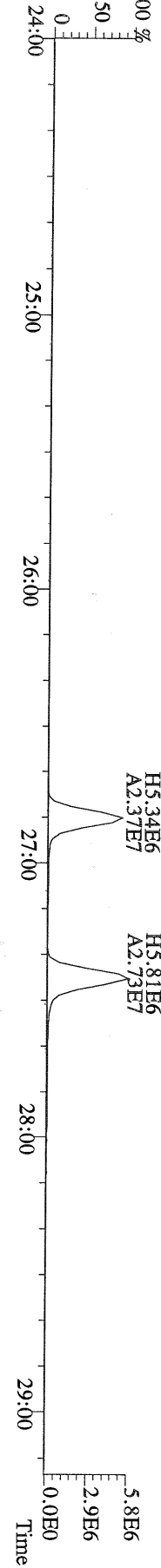
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory
100 %



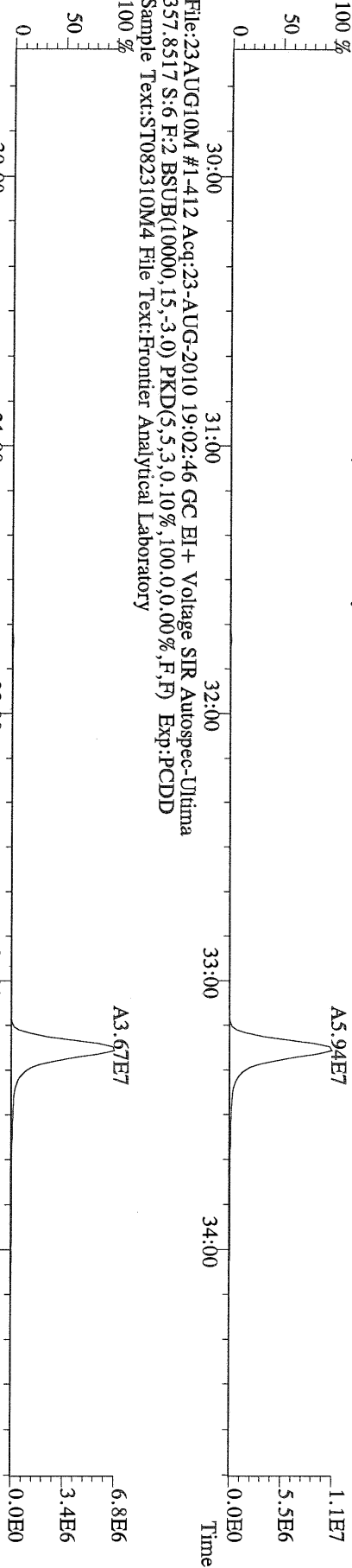
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory
100 %



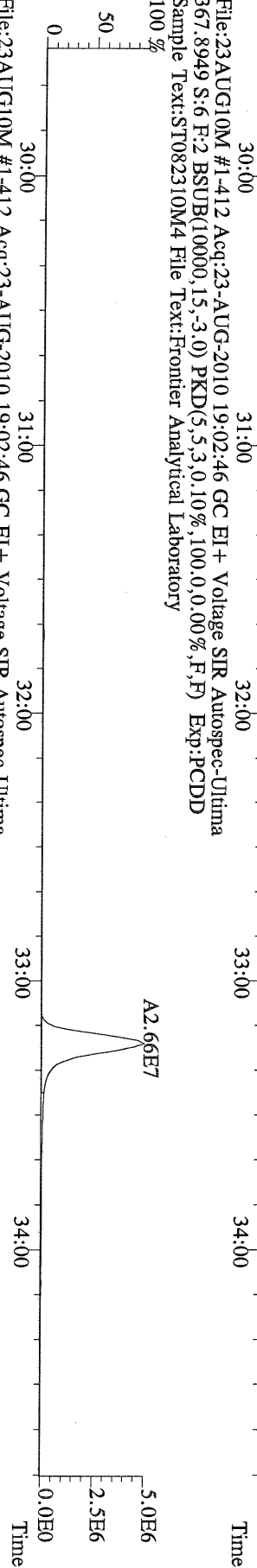
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



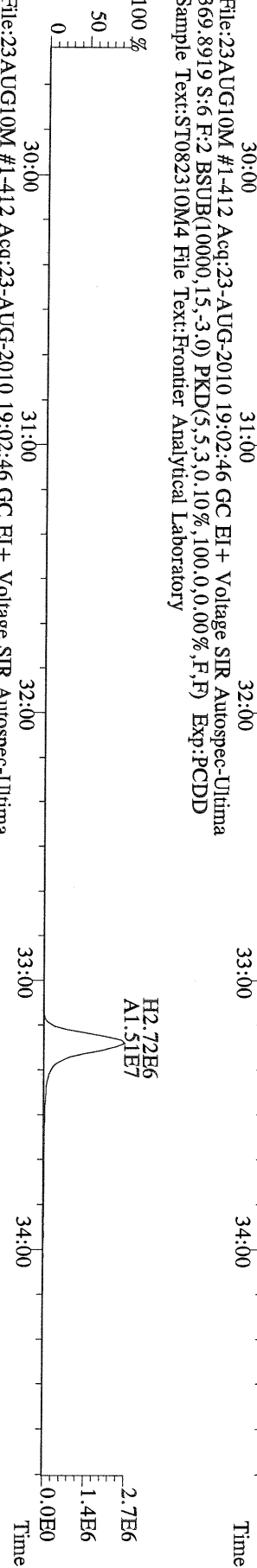
File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



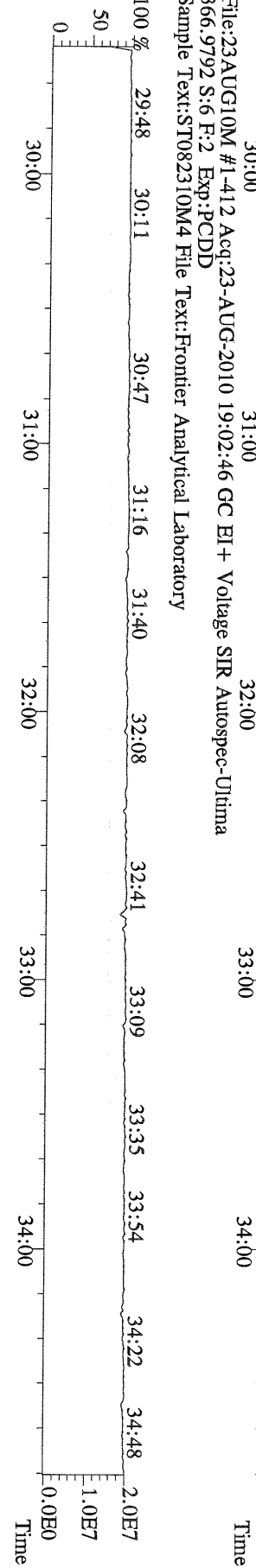
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357.8517 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory

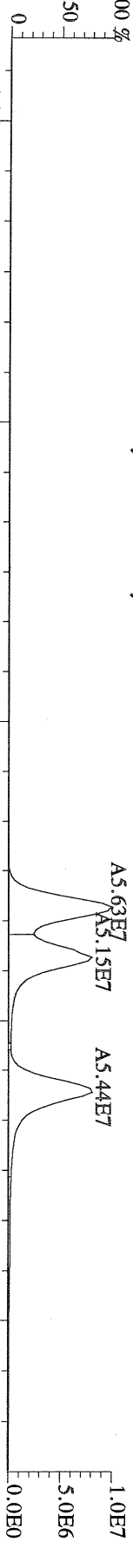


File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
369.8919 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory

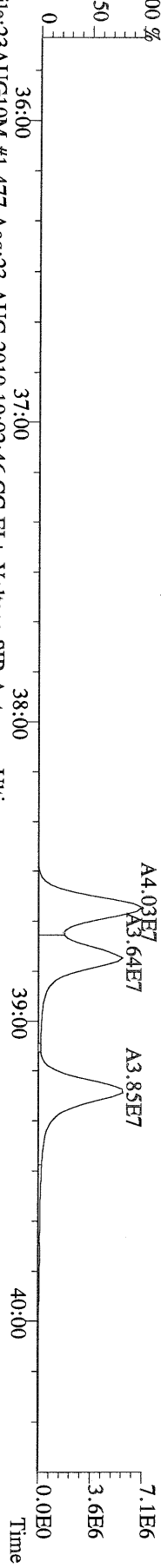


File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
366.9792 S:6 F:2 Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory

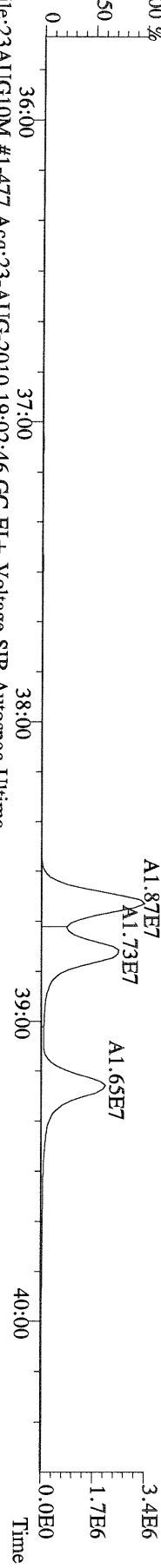
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 389.8156 S:6 F:3 BSUB(10000,15,-3.0) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



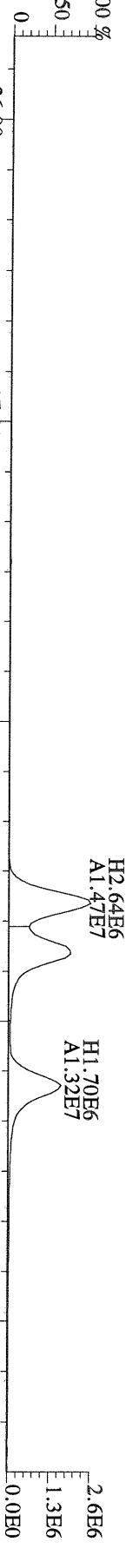
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 391.8127 S:6 F:3 BSUB(10000,15,-3.0) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



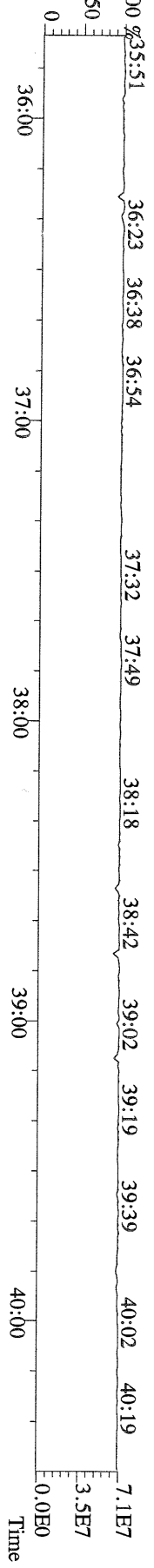
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



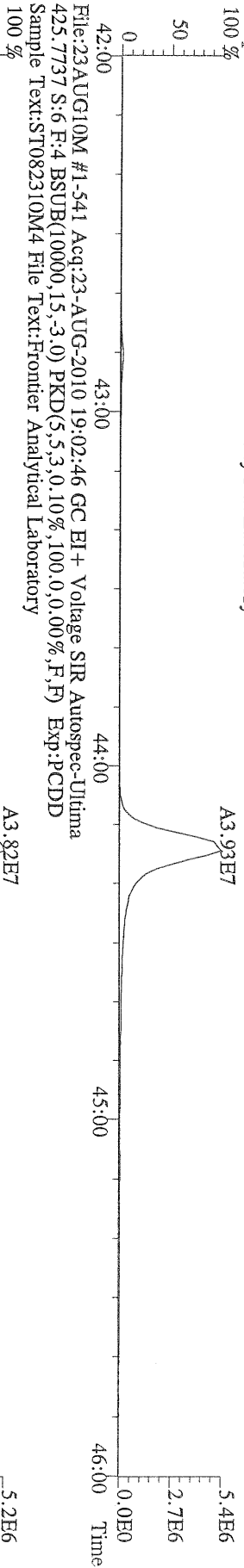
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



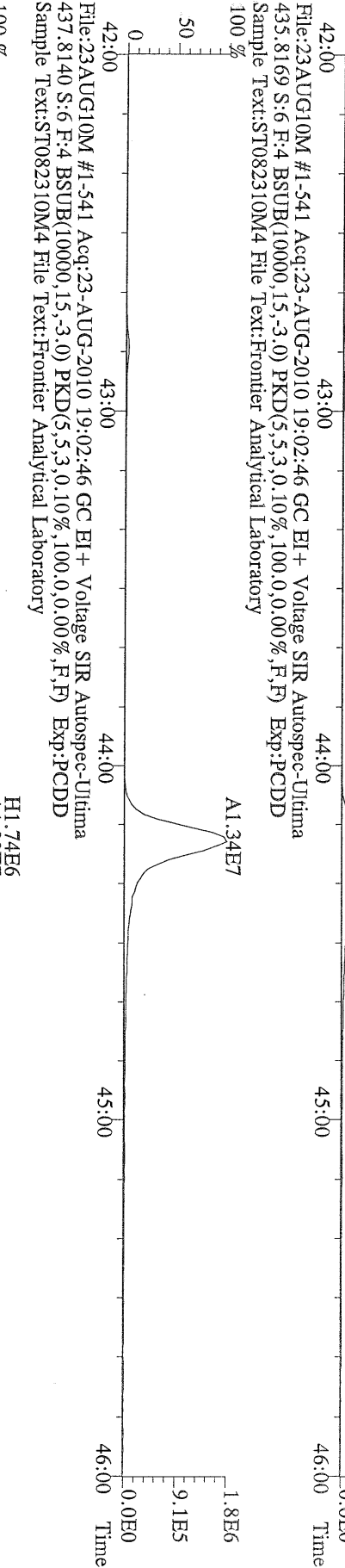
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 380.9760 S:6 F:3 Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



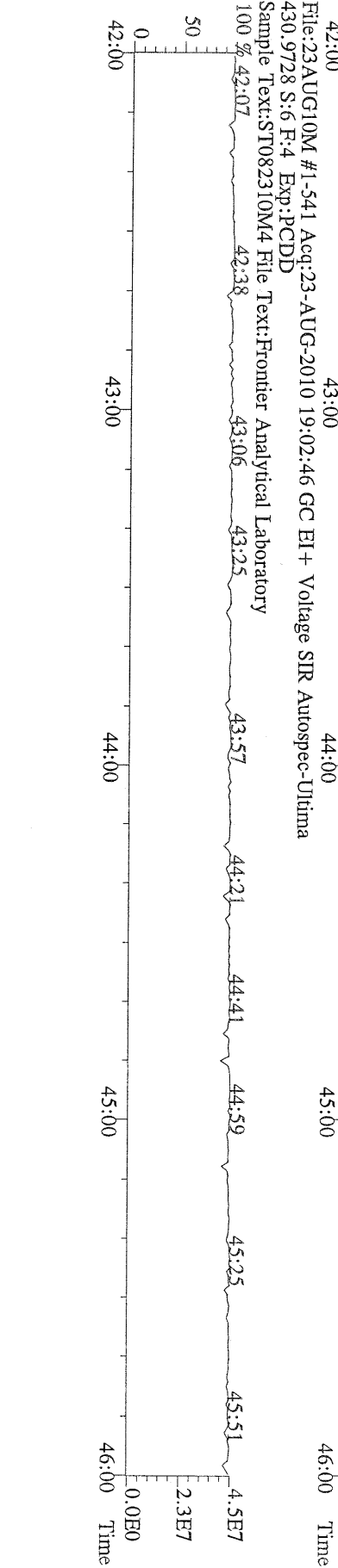
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



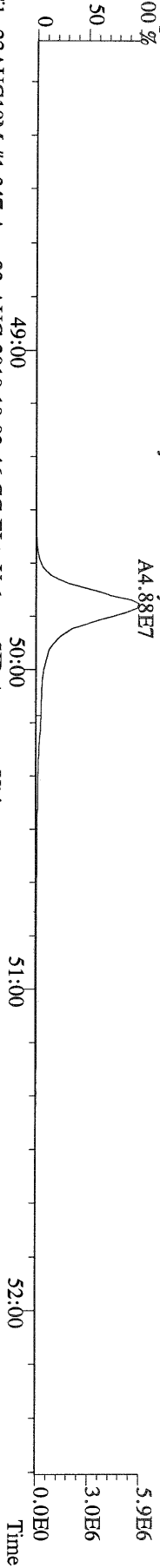
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
425.7737 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



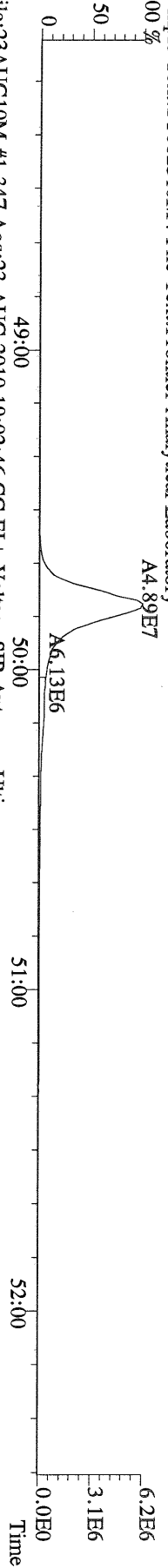
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
437.8140 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



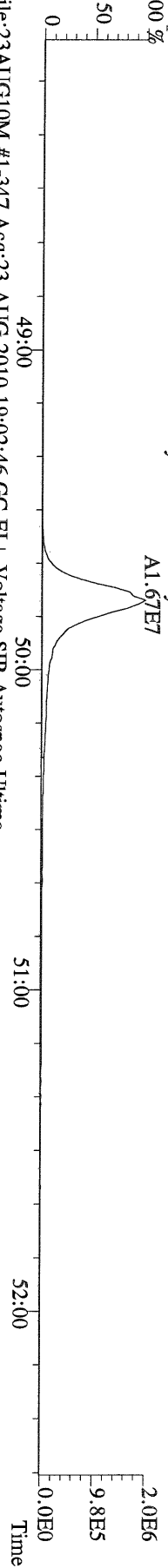
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



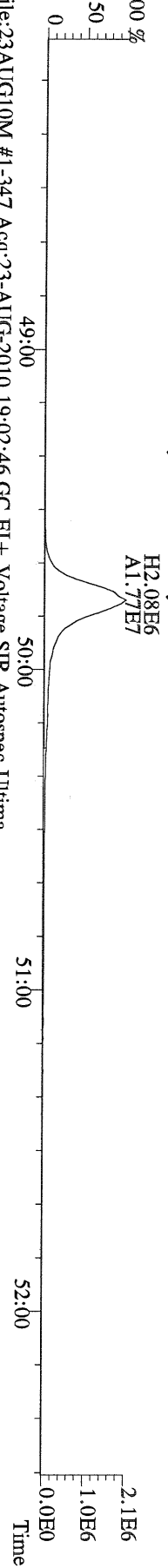
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 459.7348 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



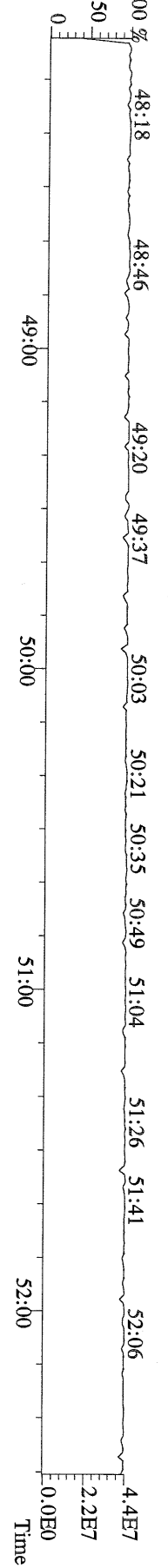
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 469.7780 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



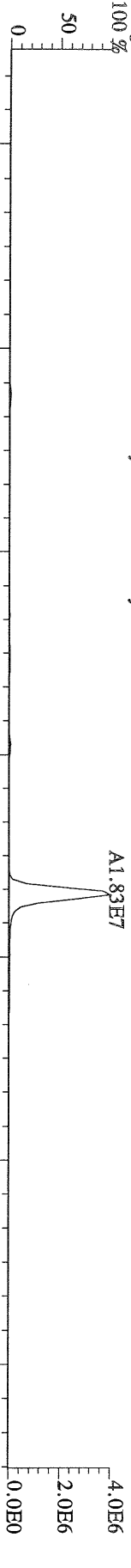
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 471.7750 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



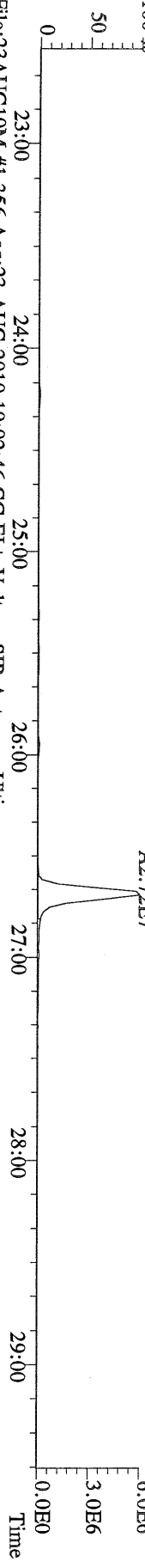
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 454.9728 S:6 F:5 Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



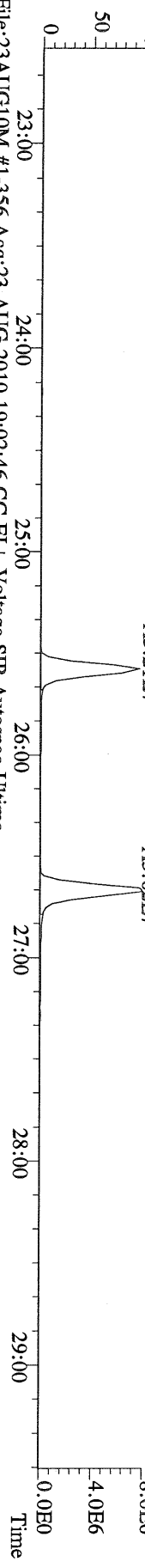
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Ultima
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



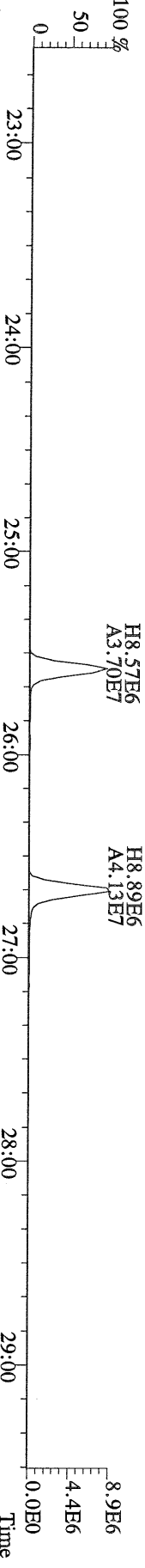
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Ultima
305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



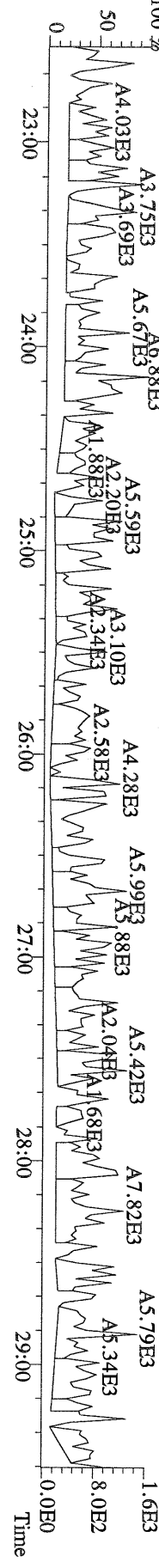
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Ultima
315.9419 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



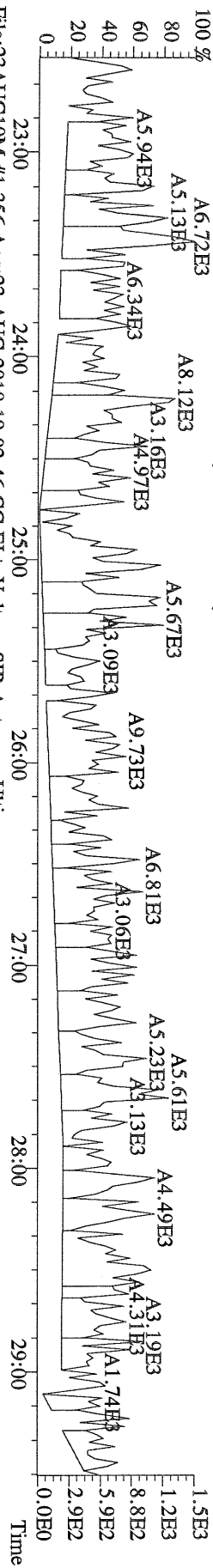
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Ultima
317.9389 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



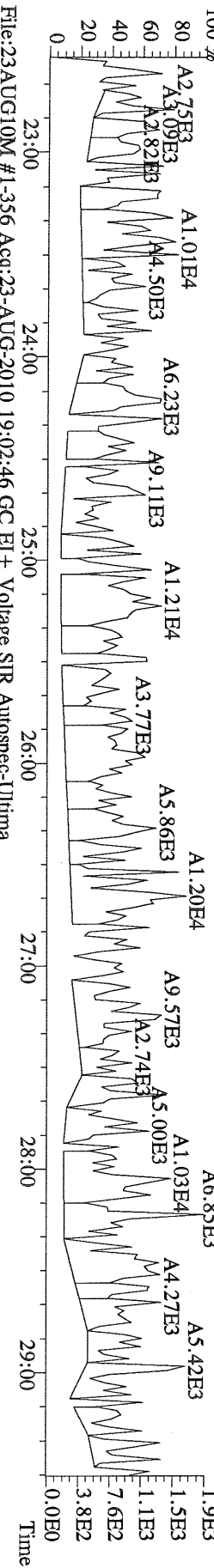
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Ultima
375.8364 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



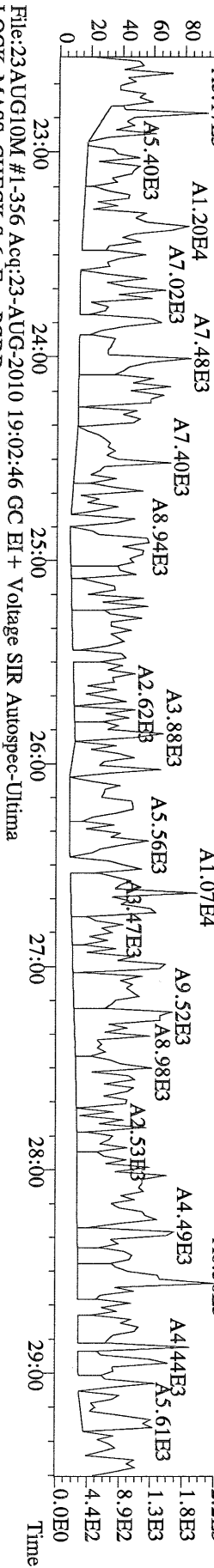
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



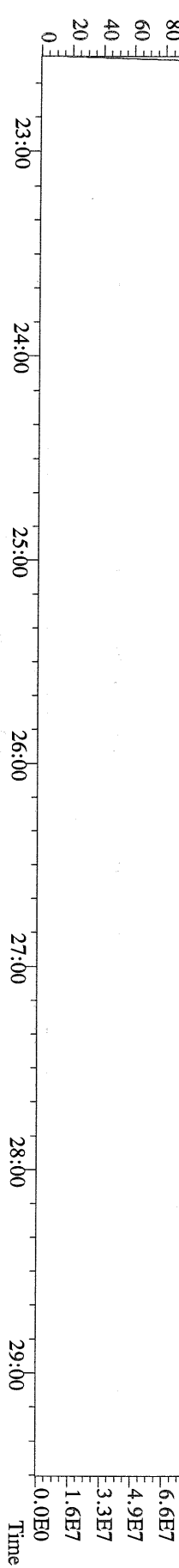
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



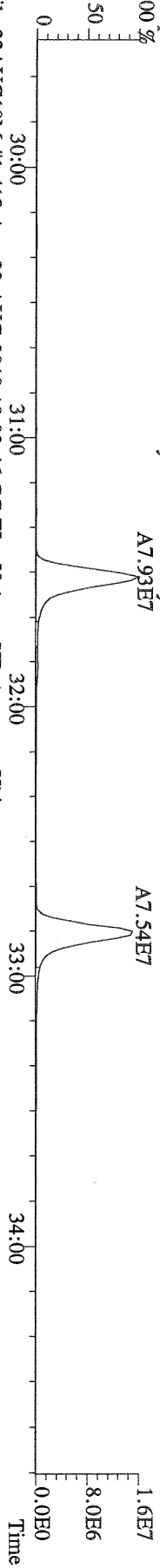
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



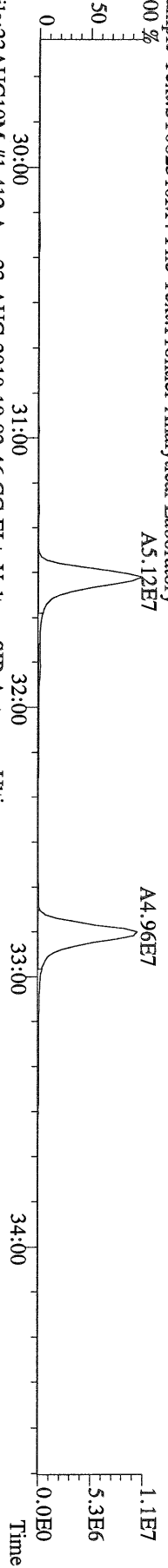
File:23AUG10M #1-356 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 LOCK MASS CHECK S:6 Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



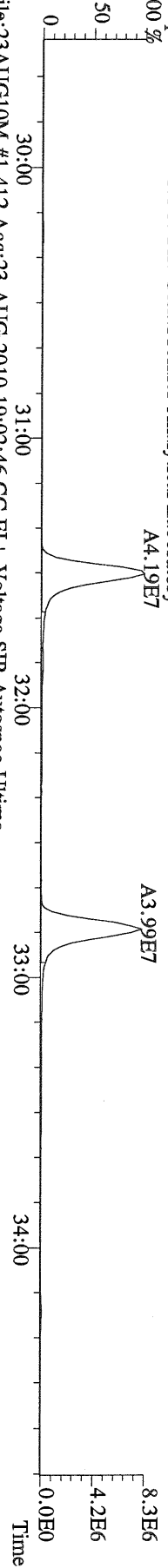
File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



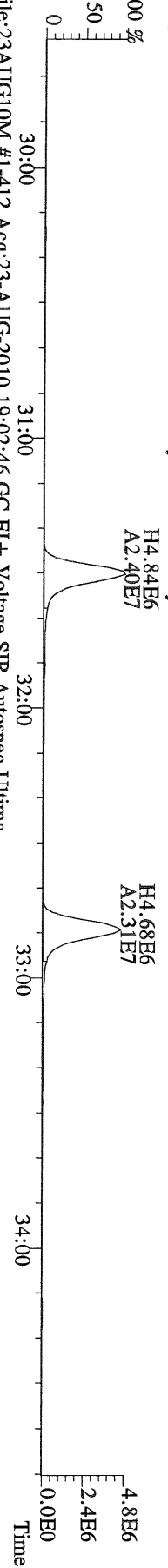
File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



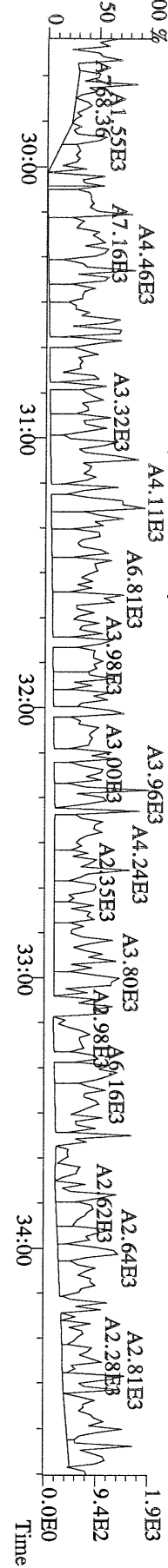
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 351.9000 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



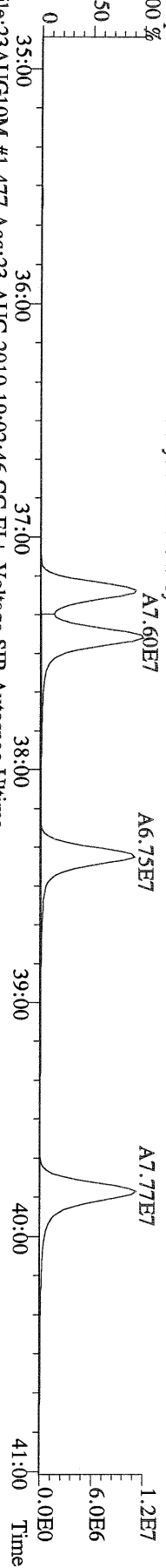
File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



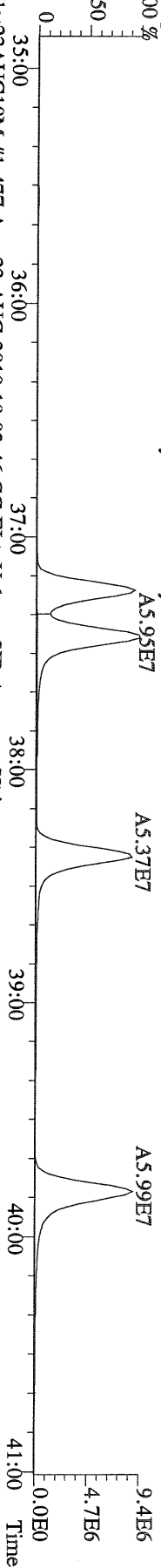
File:23AUG10M #1-412 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 S:6 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



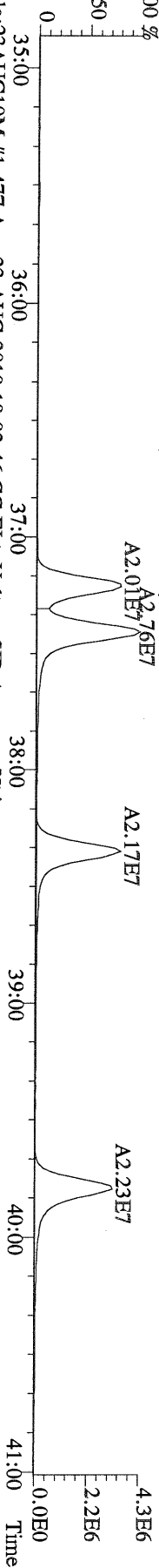
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Utima
373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



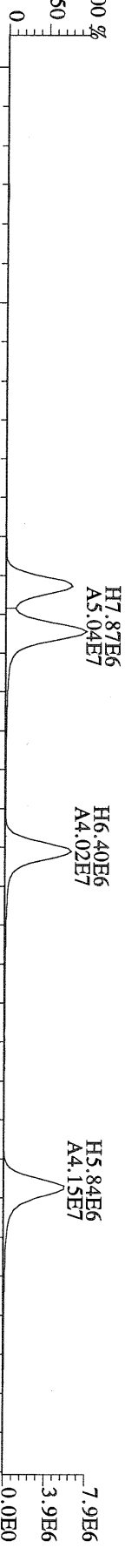
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Utima
375.8178 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Utima
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



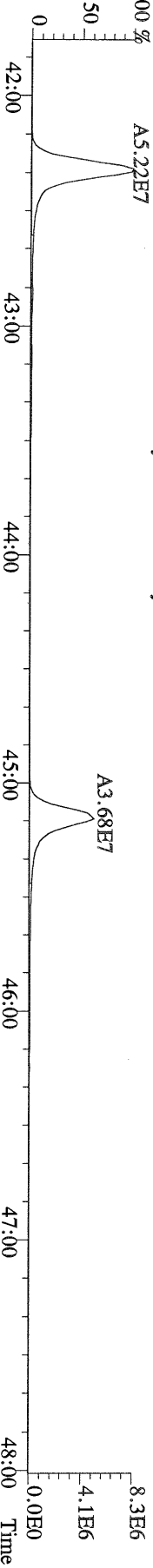
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Utima
385.8610 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



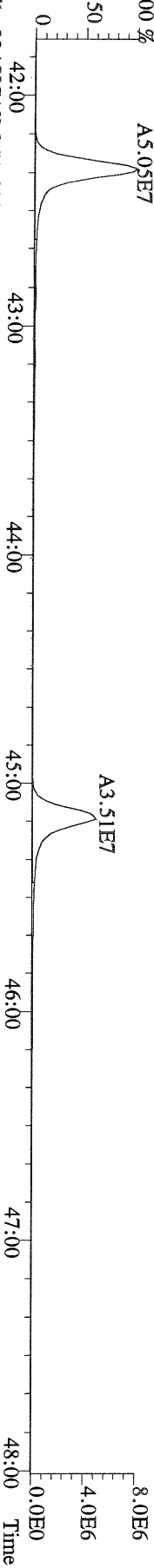
File:23AUG10M #1-477 Acq:23-AUG-2010 19:02:46 GC EI + Voltage SIR Autospec-Utima
445.7555 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



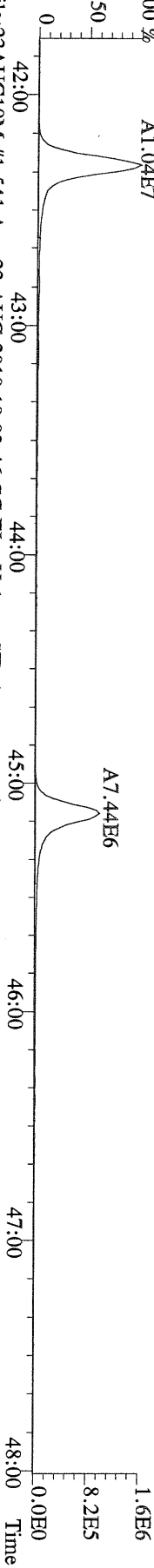
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp.:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



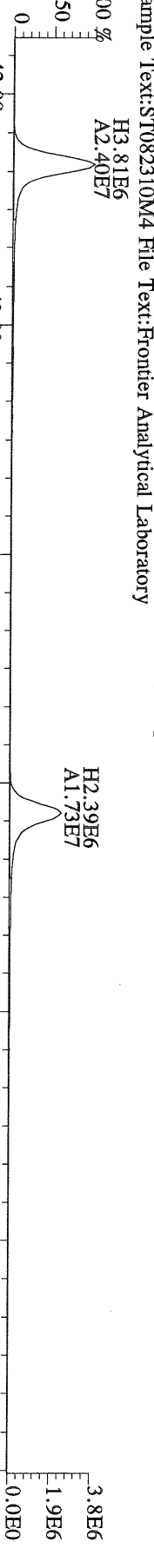
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
409.7788 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp.:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



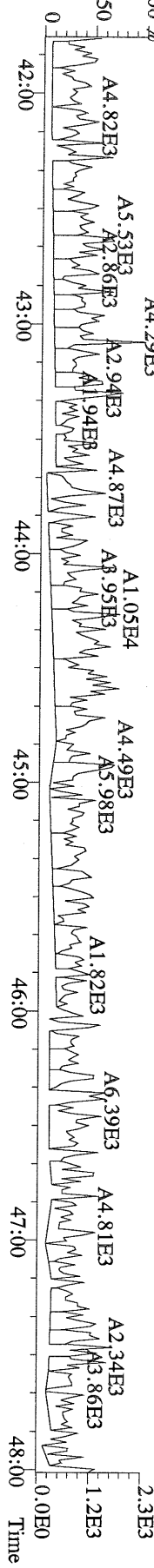
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
417.8253 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp.:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



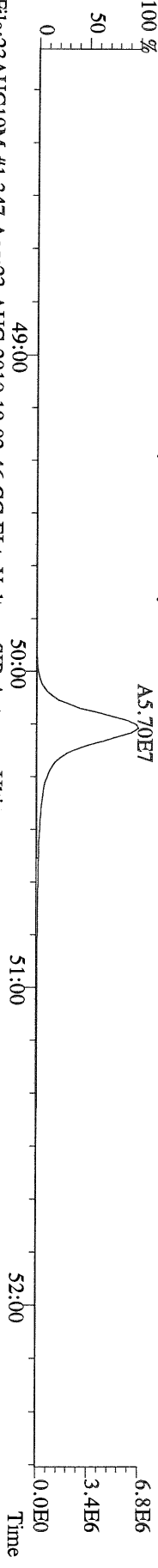
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
419.8220 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp.:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



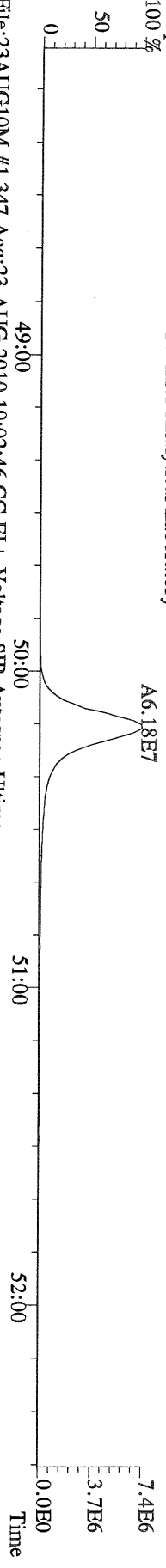
File:23AUG10M #1-541 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
479.7165 S:6 F:4 BSUB(10000,15,-3.0) PKD(5.5,3.0,10%,100.0,0.00%,F,F) Exp.:PCDD
Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



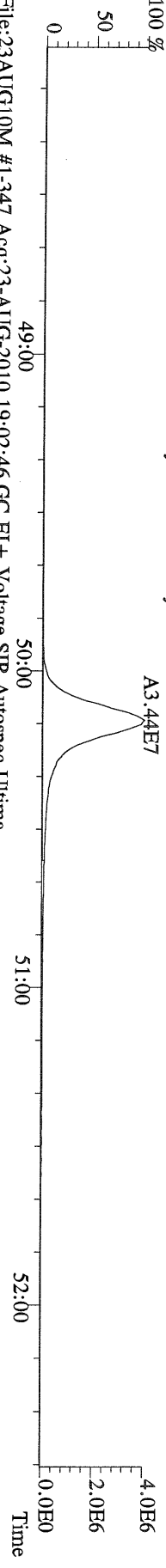
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



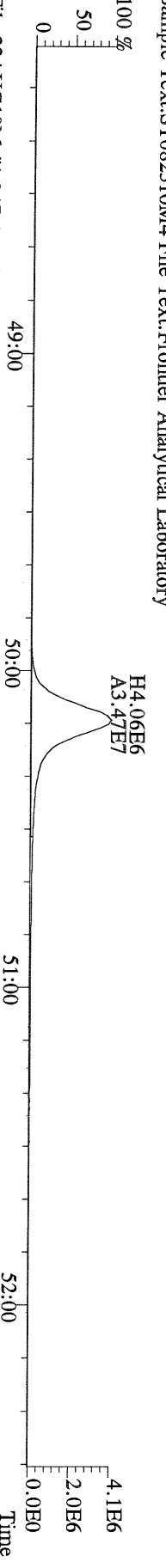
File:23AUG10M #1-347 Acq:23-AUG-2010 19:02:46 GC EI+ Voltage SIR Autospec-Ultima
 443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



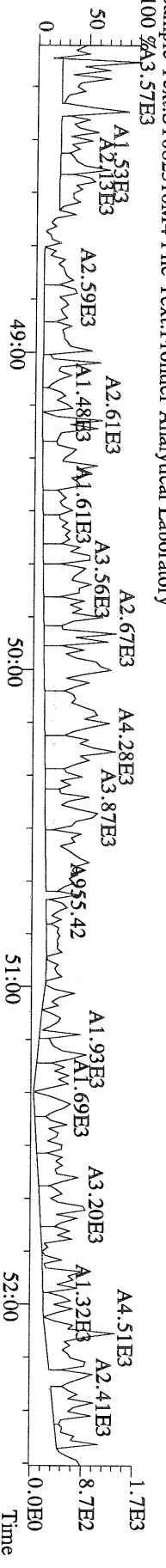
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 453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



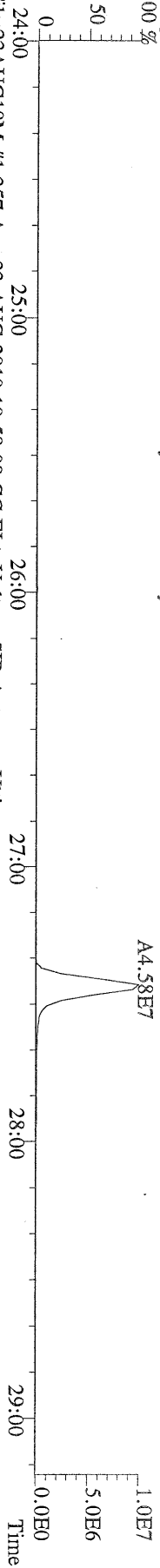
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 455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



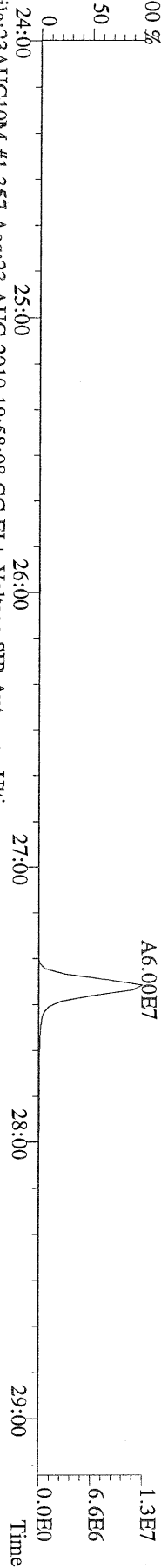
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 513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M4 File Text:Frontier Analytical Laboratory



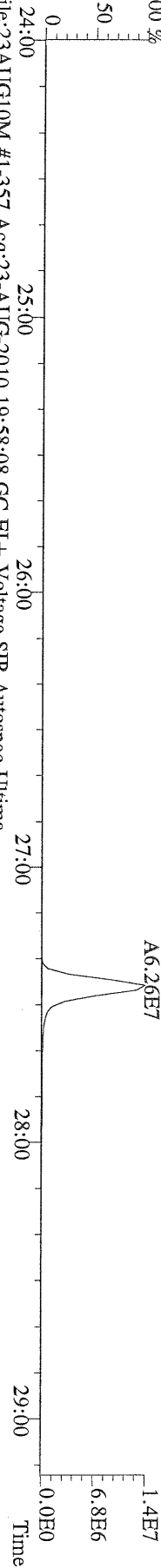
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
319.8965 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



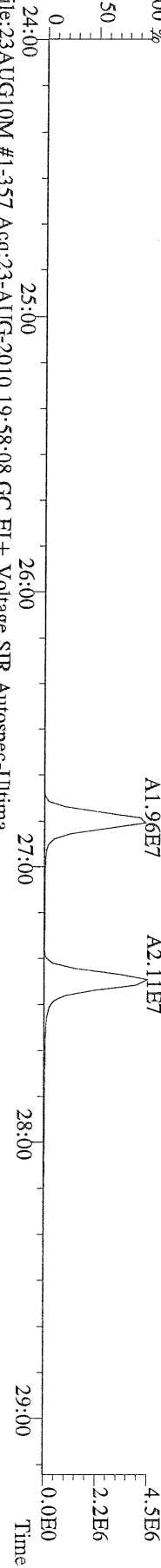
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
321.8936 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



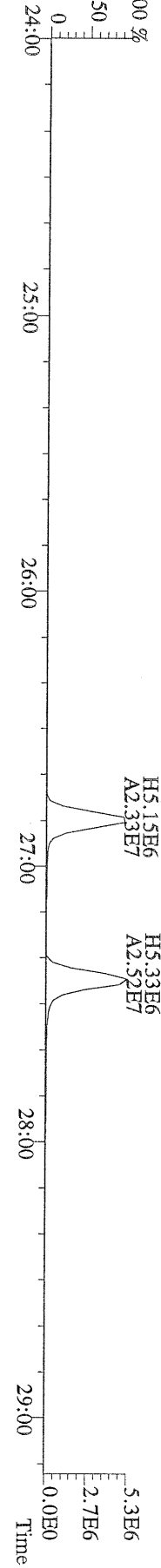
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
327.8847 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



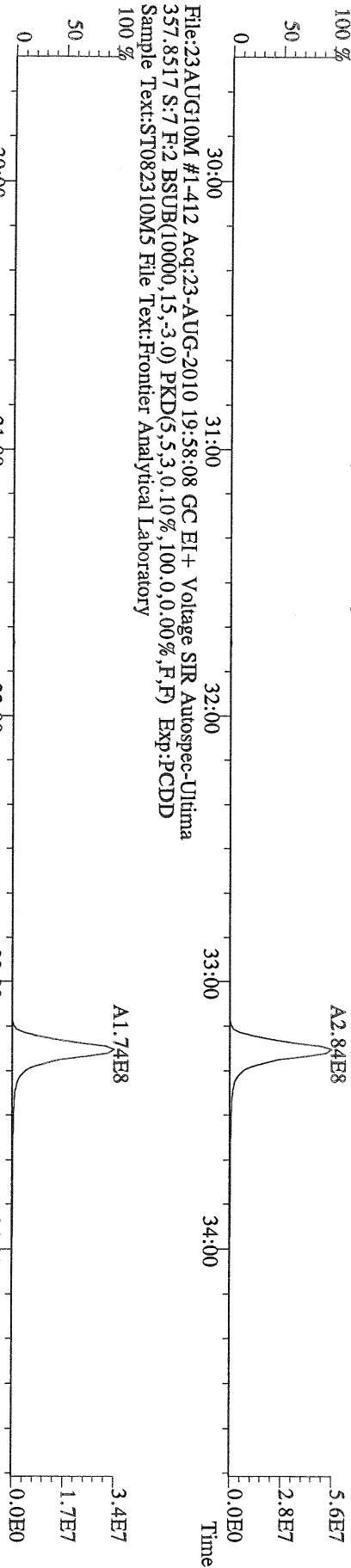
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



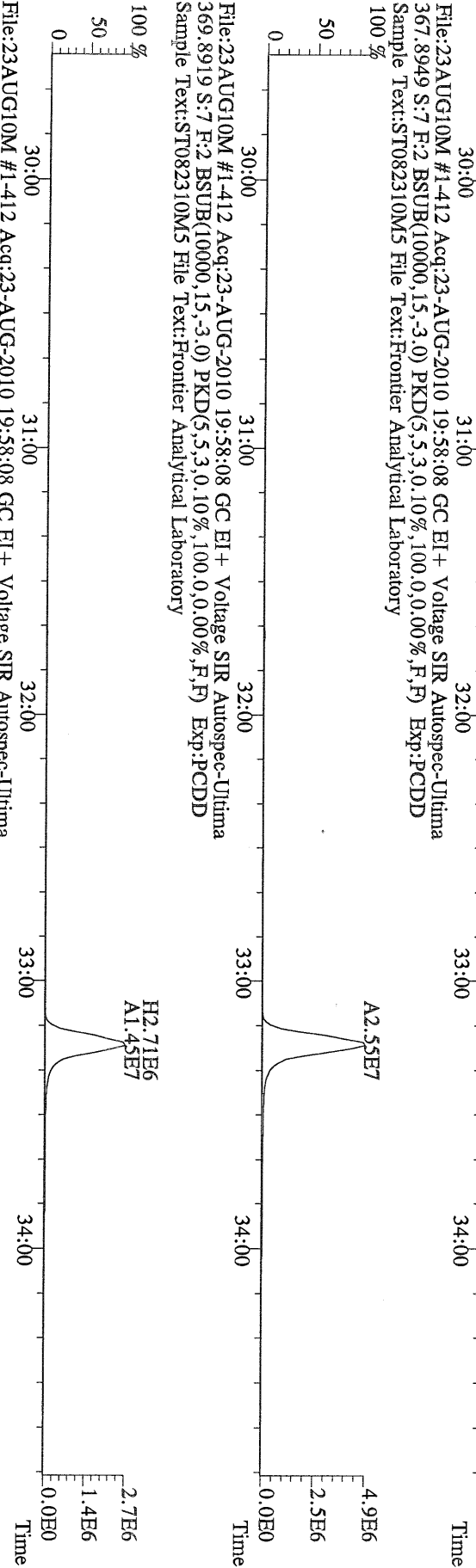
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
333.9339 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



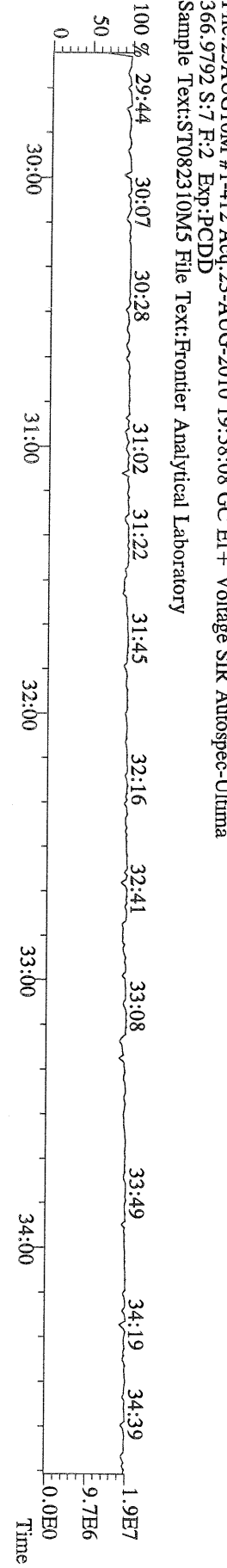
File:23AUG10M #1-412 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
 355.8546 S:7 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Fronter Analytical Laboratory



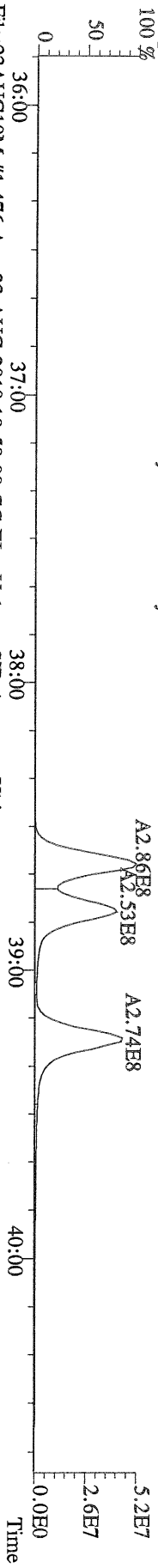
File:23AUG10M #1-412 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
 367.8949 S:7 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Fronter Analytical Laboratory



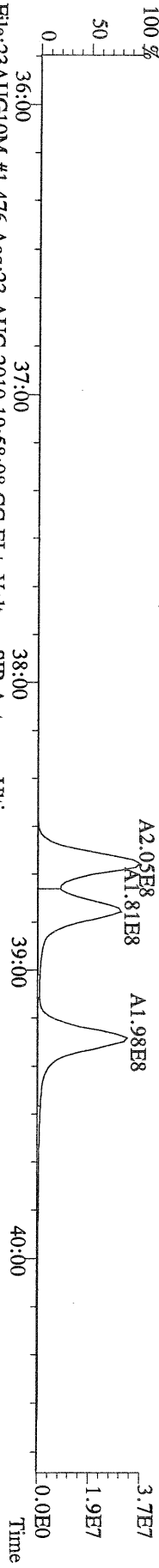
File:23AUG10M #1-412 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
 366.9792 S:7 F:2 Exp:PCDD
 Sample Text:ST082310M5 File Text:Fronter Analytical Laboratory



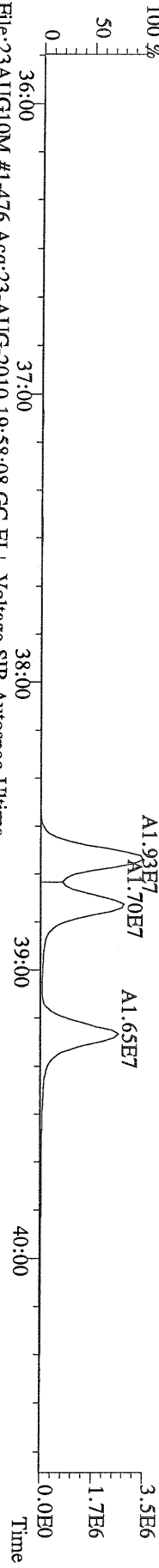
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
389.8156 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



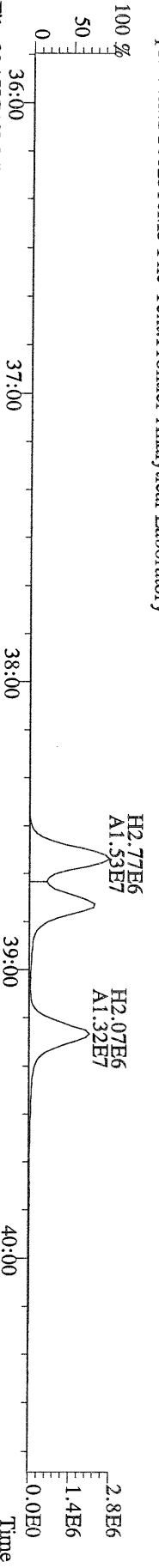
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
391.8127 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



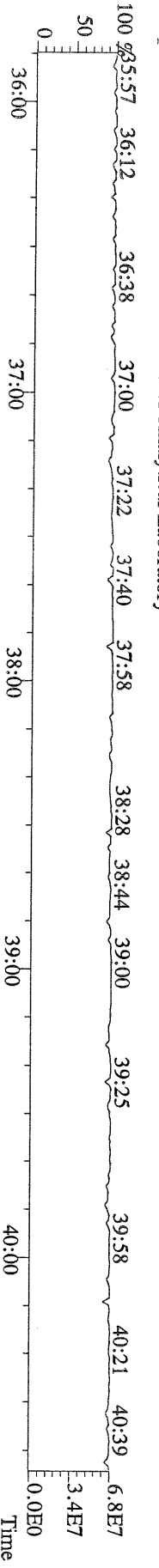
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
401.8559 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



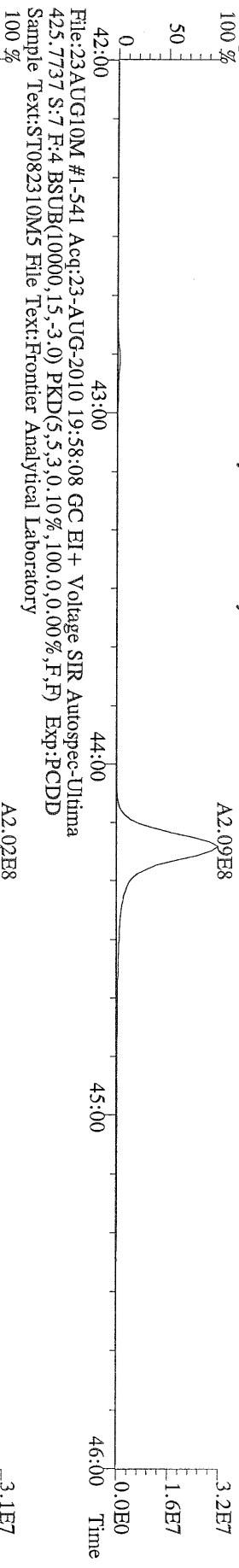
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
403.8530 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



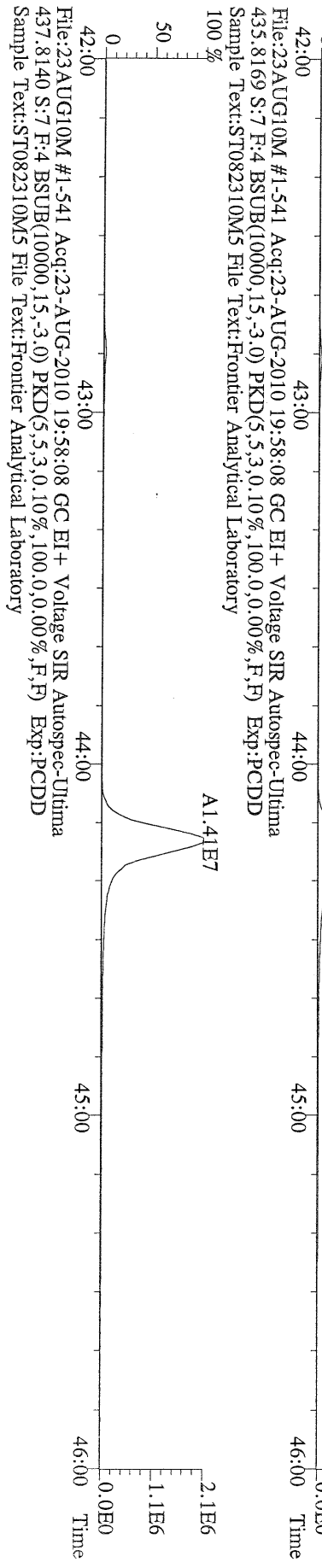
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
380.9760 S:7 F:3 Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



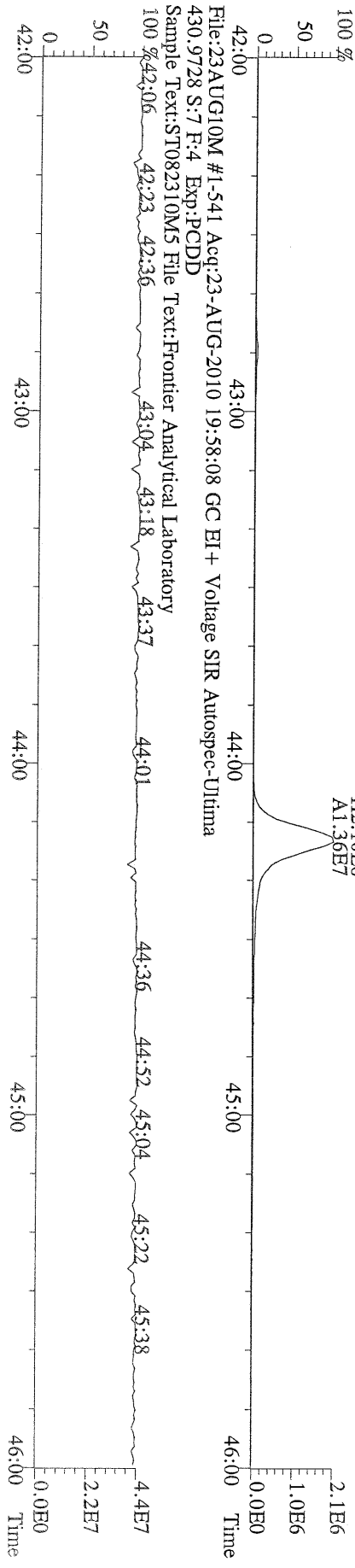
File:23AUG10M #1-541 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
423.7767 S:7 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



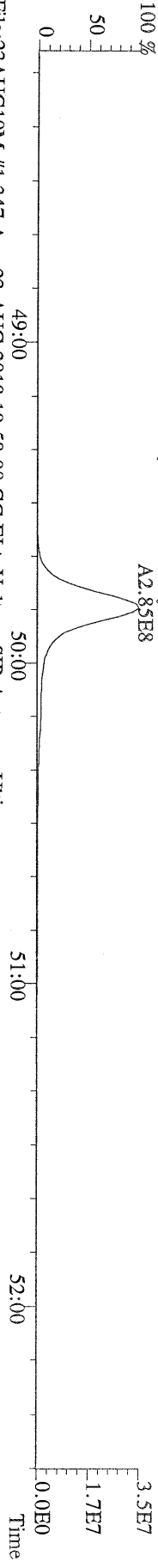
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435.8169 S:7 F:4 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



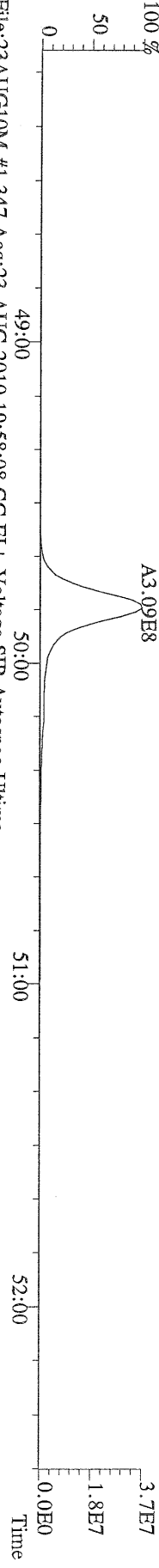
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430.9728 S:7 F:4 Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



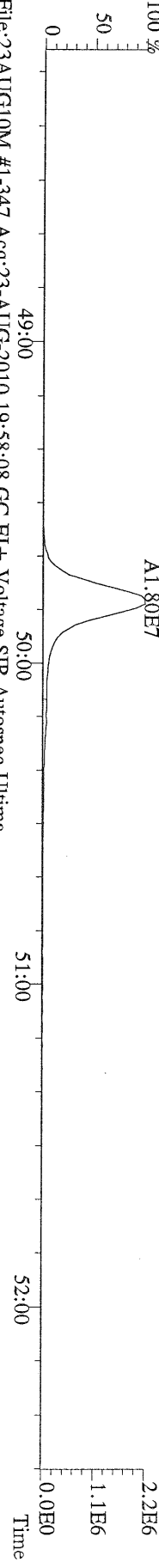
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457.7377 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



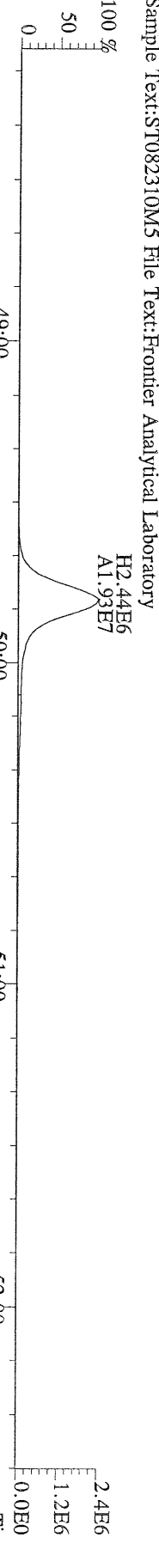
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Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



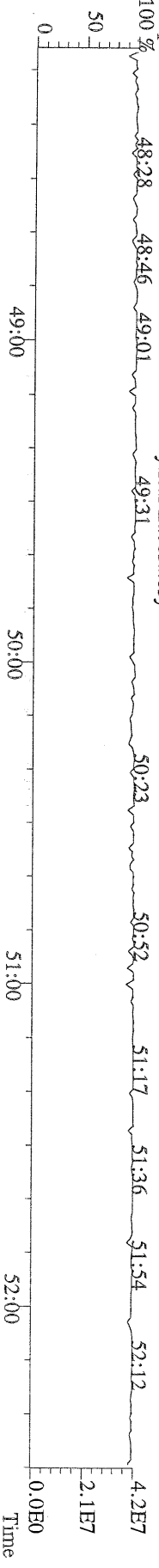
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469.7780 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



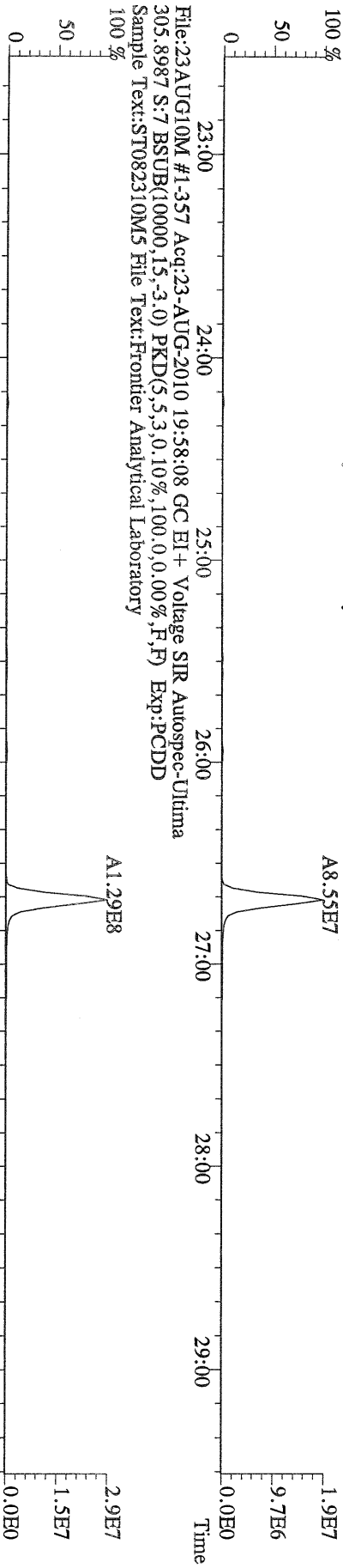
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Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



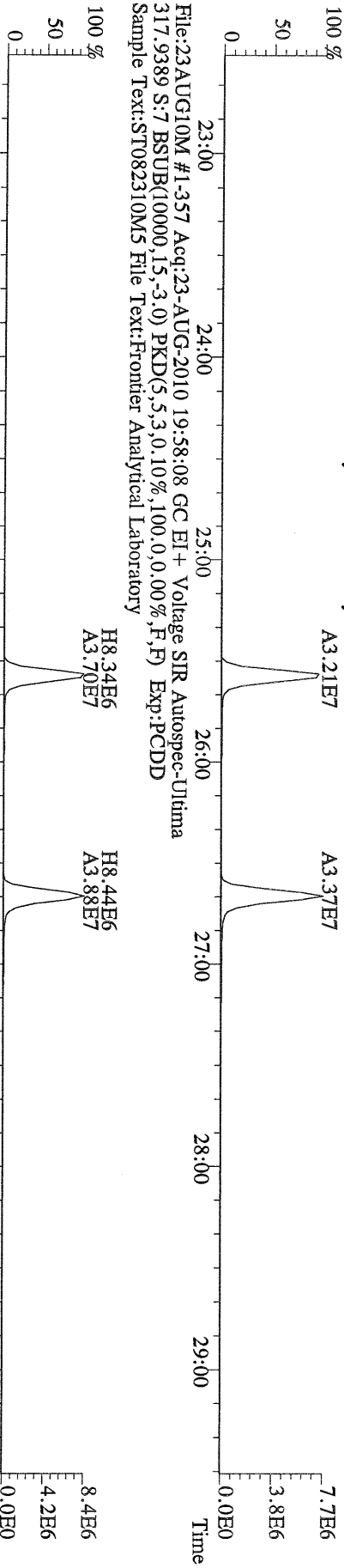
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Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



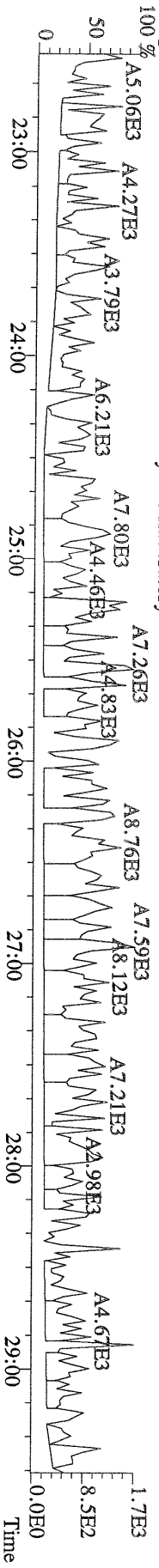
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 303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



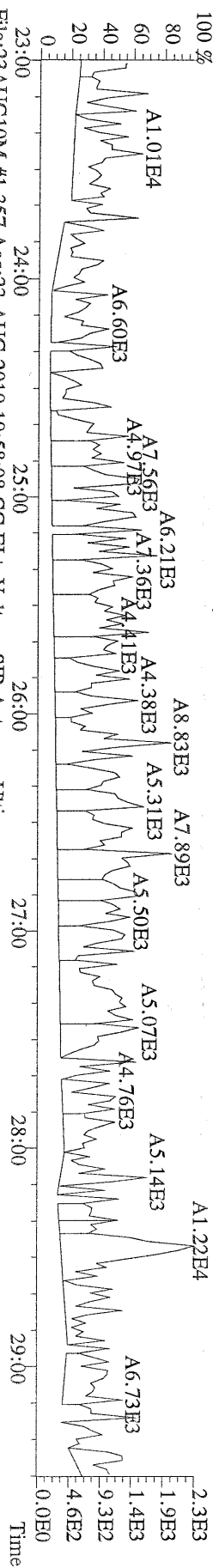
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 315.9419 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



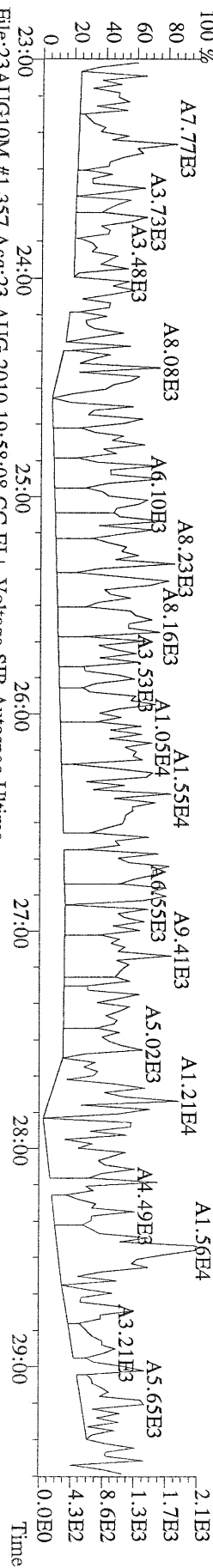
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 375.8364 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



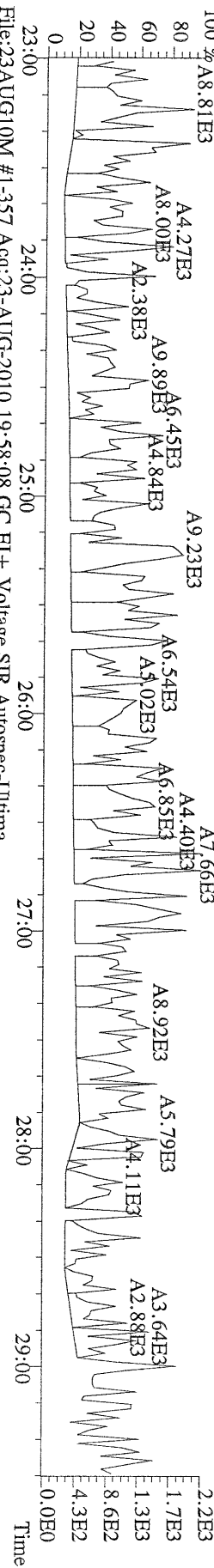
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339.8597 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



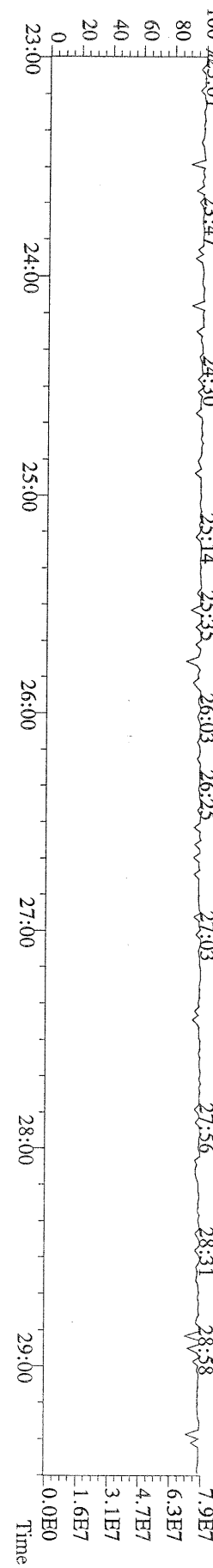
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
341.8568 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



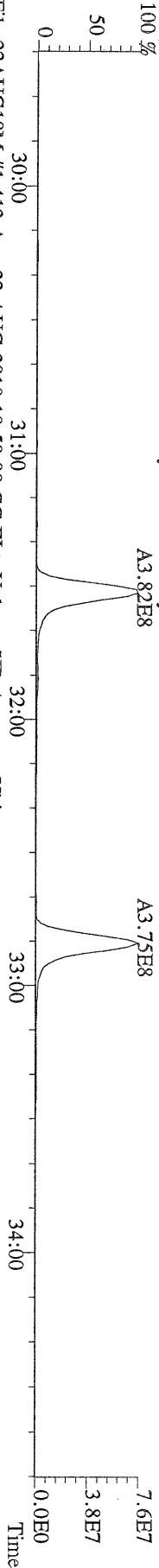
File:23AUG10M #1-357 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
409.7974 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



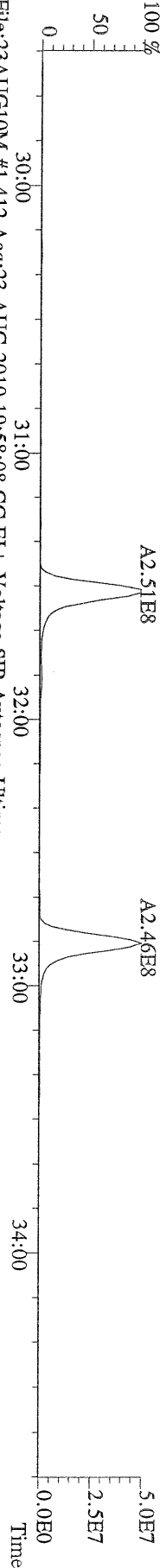
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330.9792 S:7 Exp:PCDD
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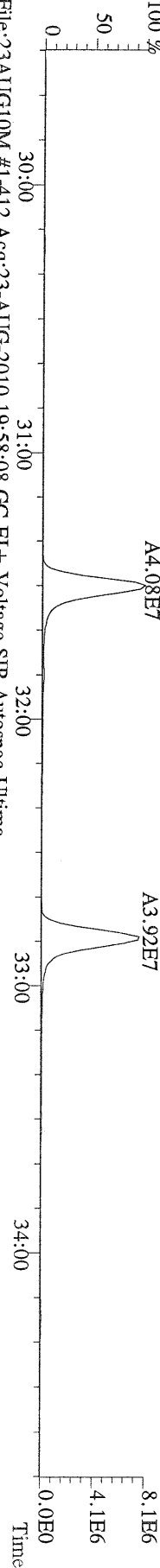
File:23AUG10M #1-412 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



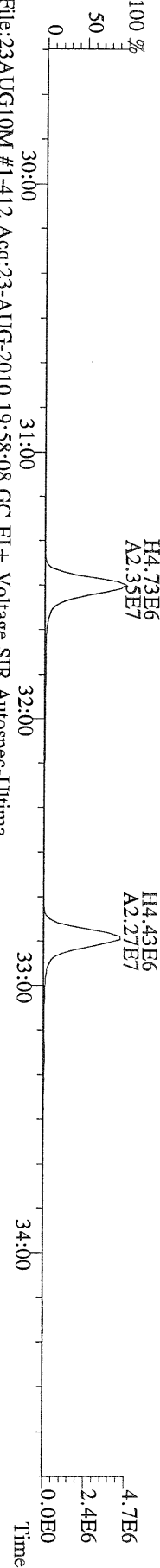
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 341.8568 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



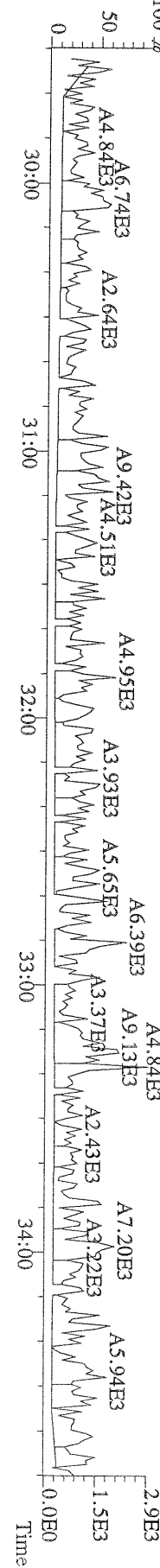
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 351.9000 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



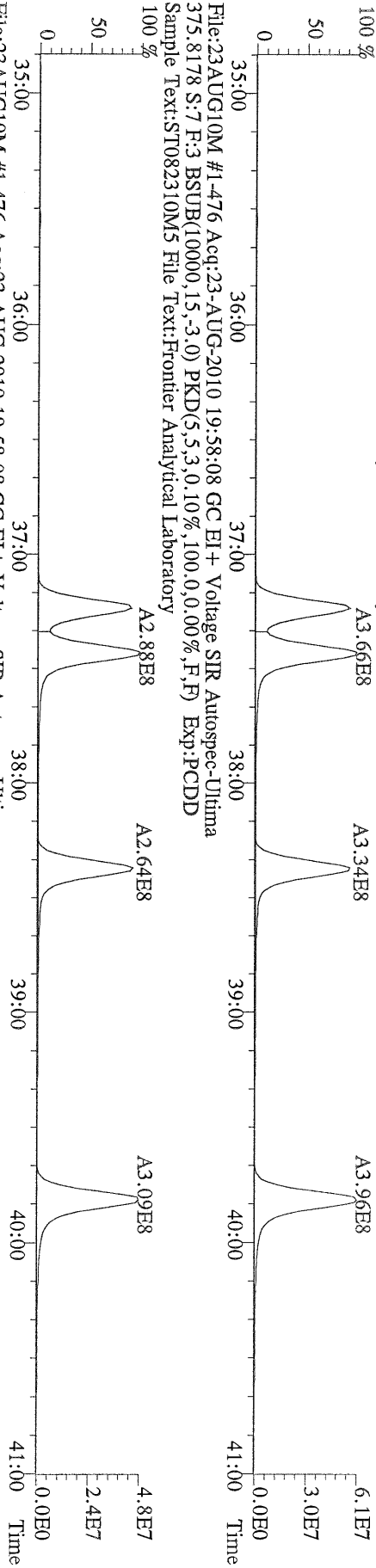
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 353.8970 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
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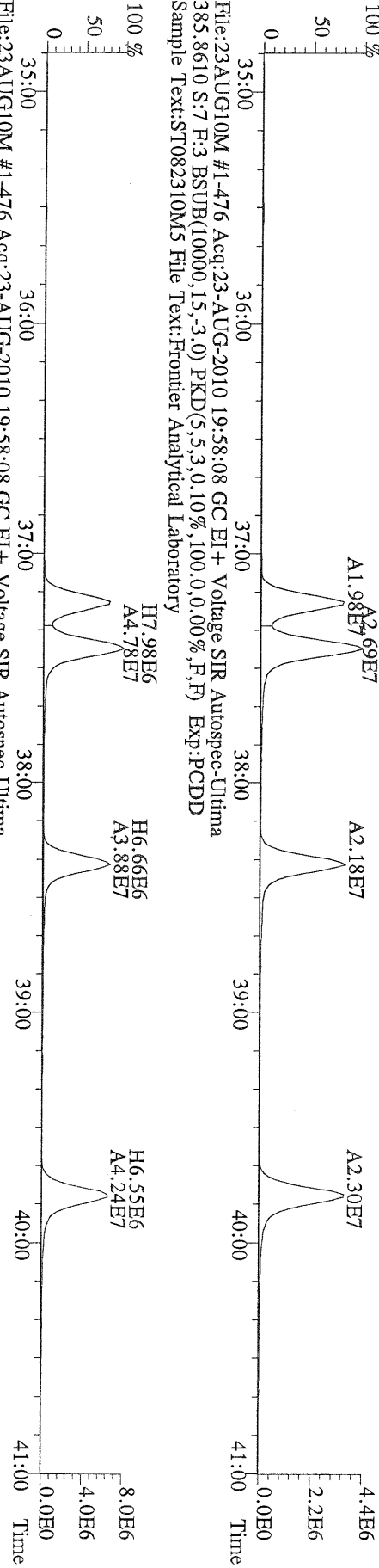
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 409.7974 S:7 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



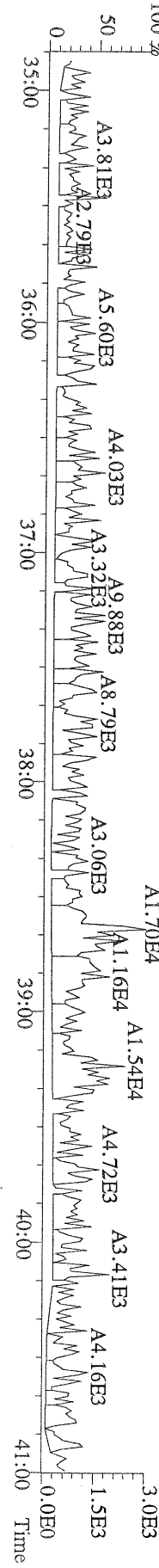
File:23AUG10M #1-476 Acq:23-AUG-2010 19:58:08 GC EI+ Voltage SIR Autospec-Utima
373.8207 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



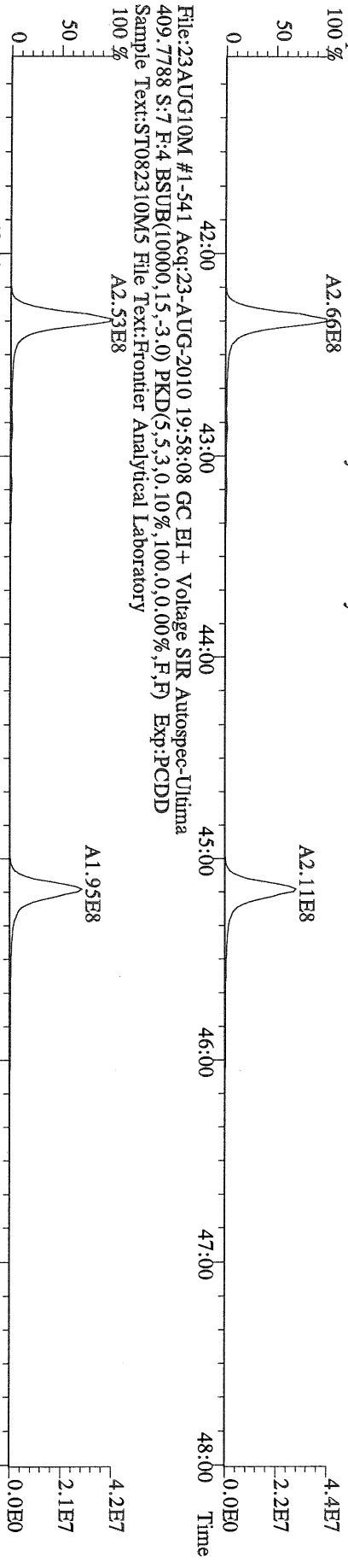
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383.8639 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



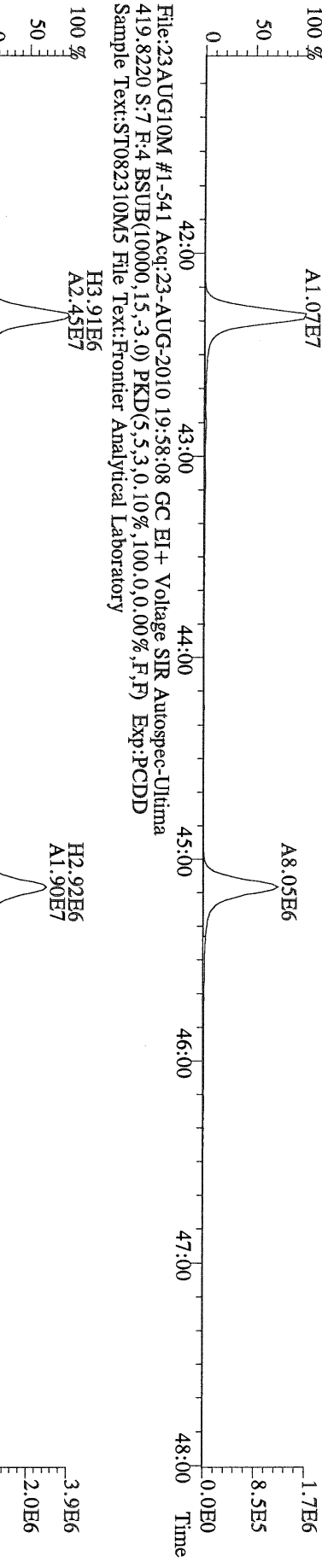
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445.7555 S:7 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



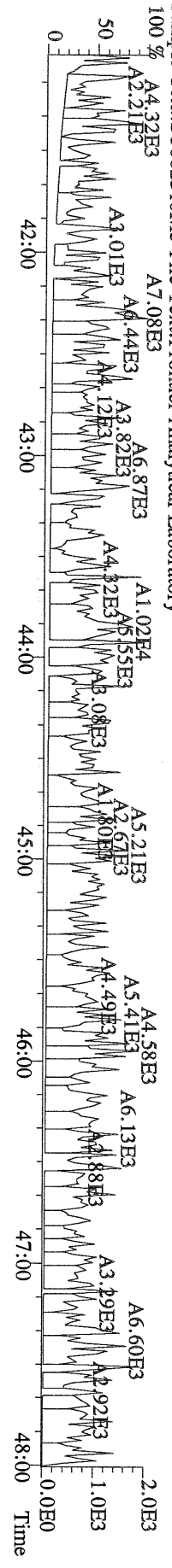
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407.7818 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



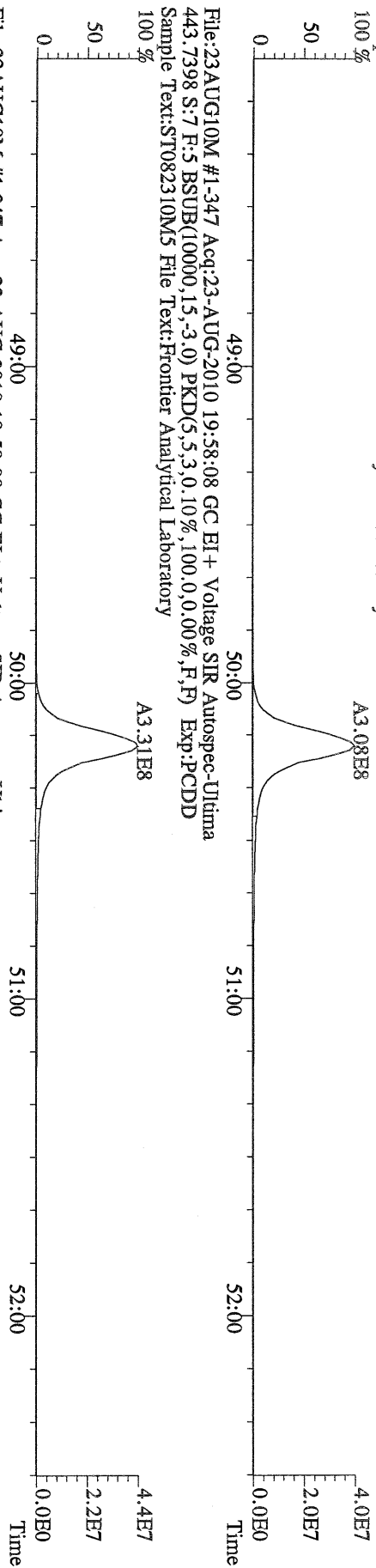
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417.8253 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



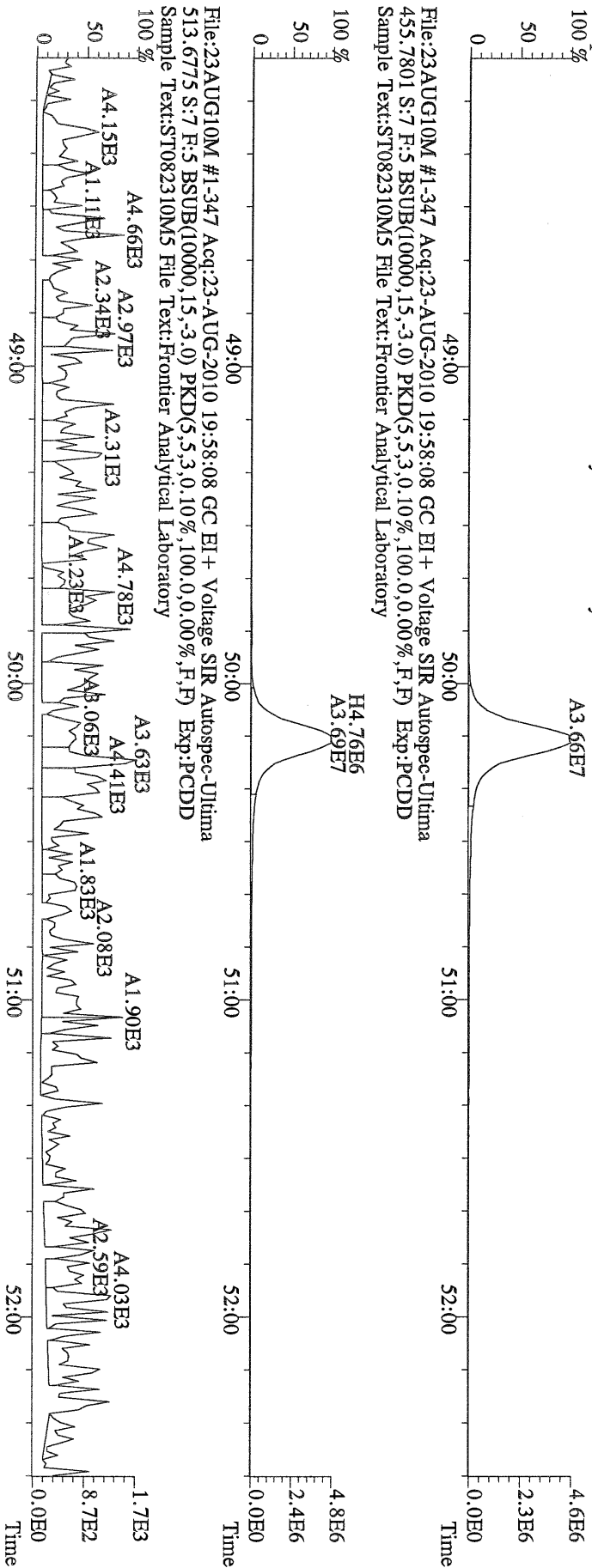
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419.8220 S:7 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory



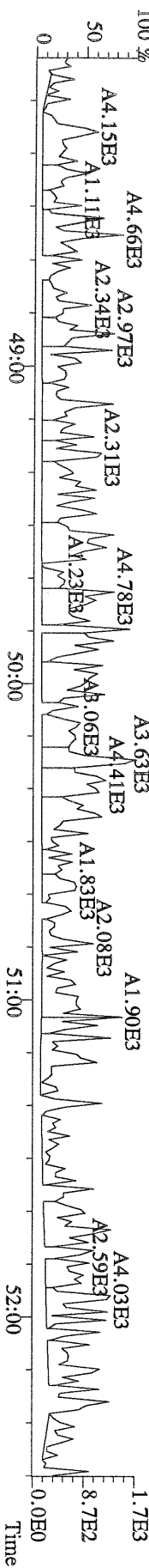
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 441.7428 S:7 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:P:PCDD
 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory

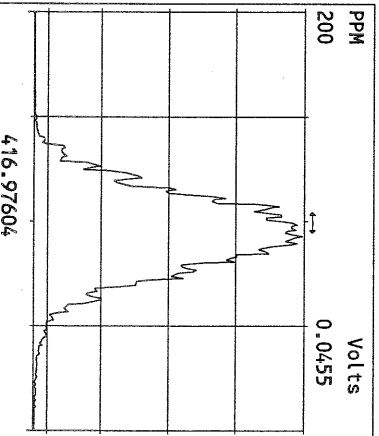
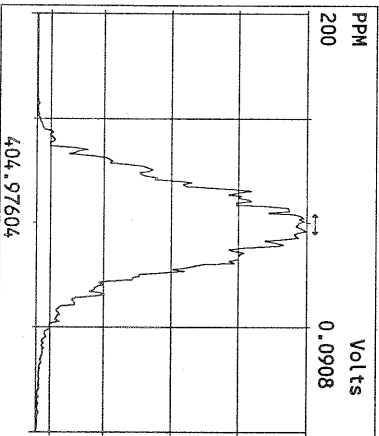
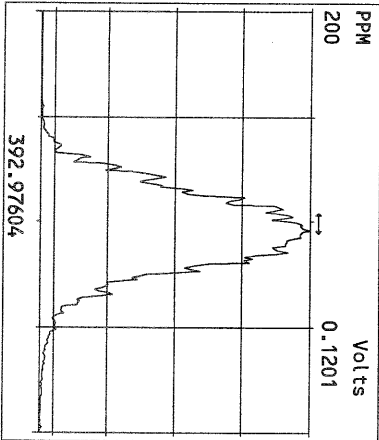
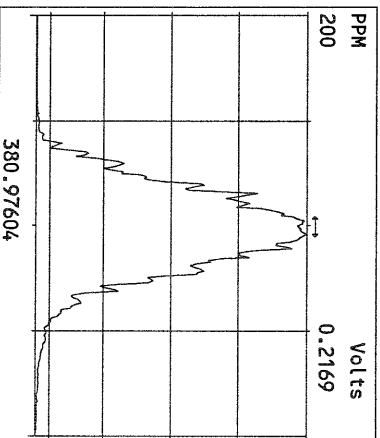
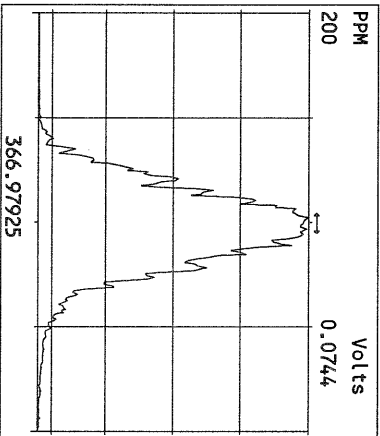
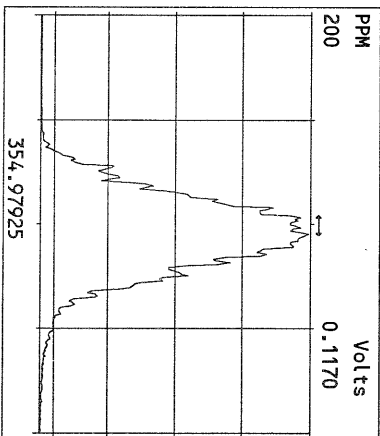
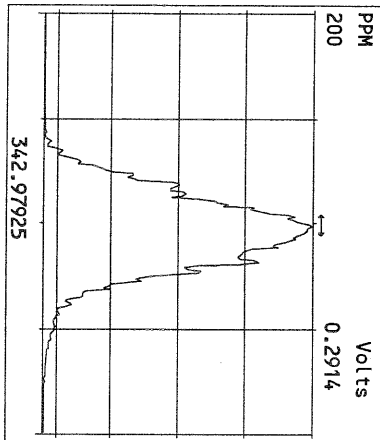
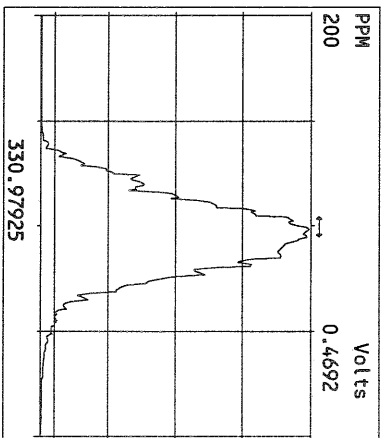
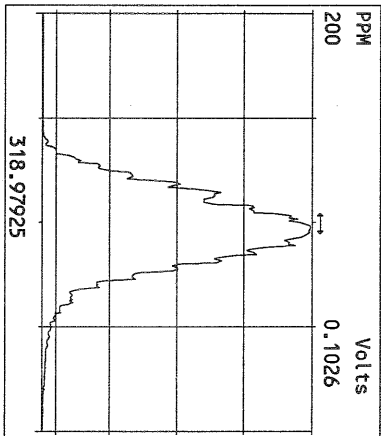
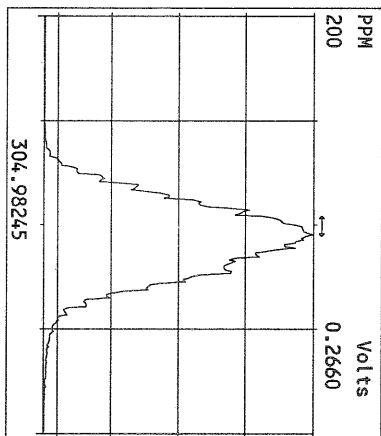
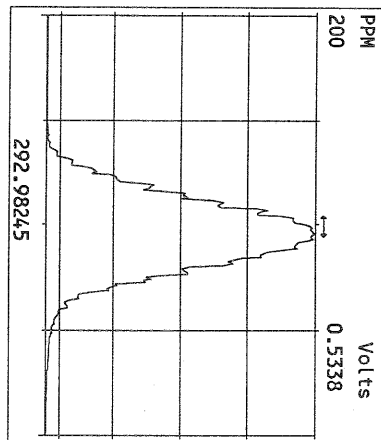


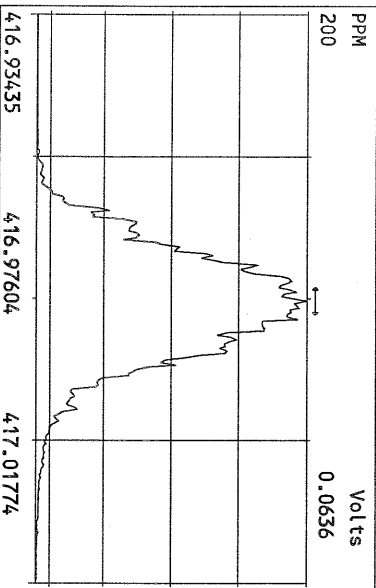
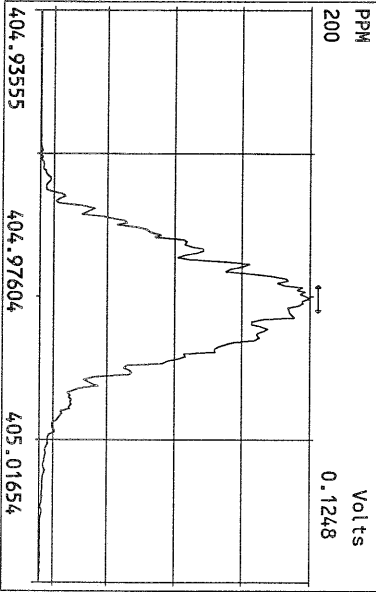
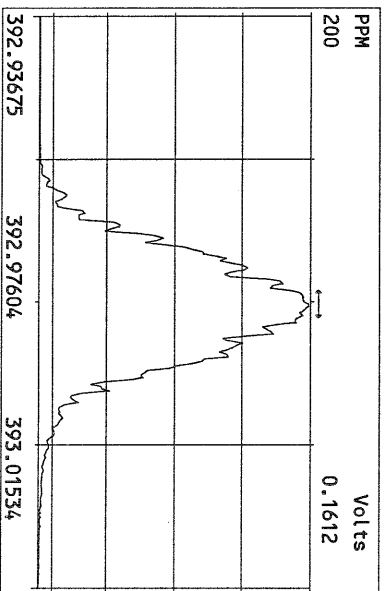
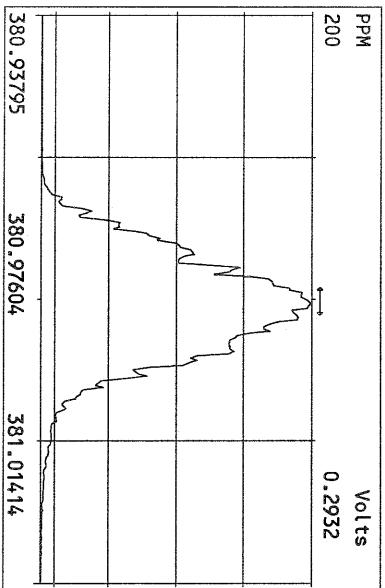
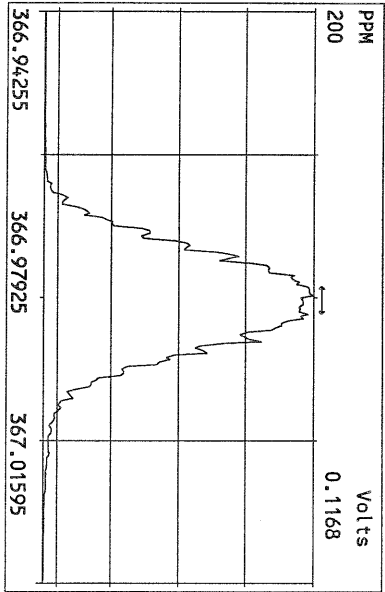
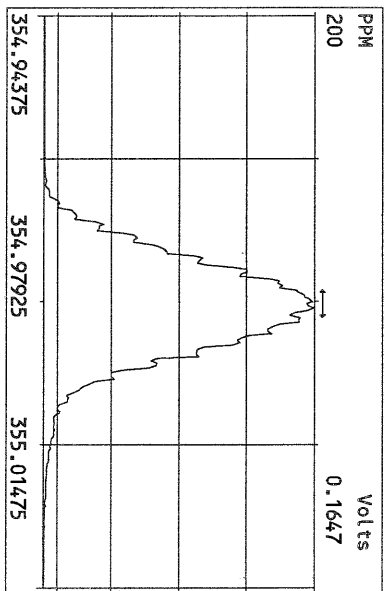
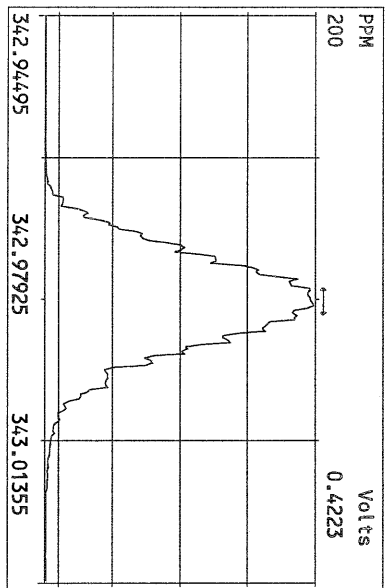
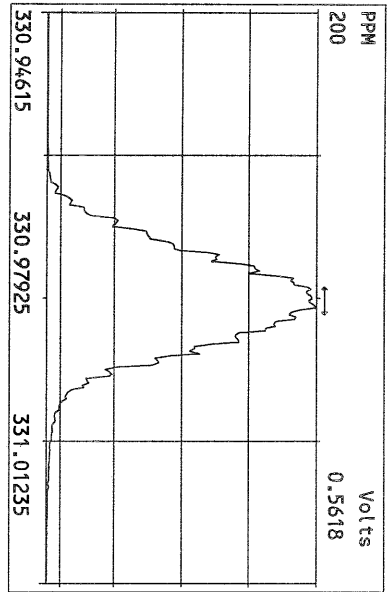
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 Sample Text:ST082310M5 File Text:Frontier Analytical Laboratory

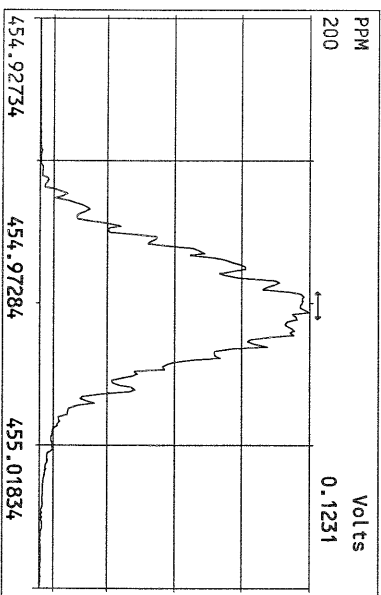
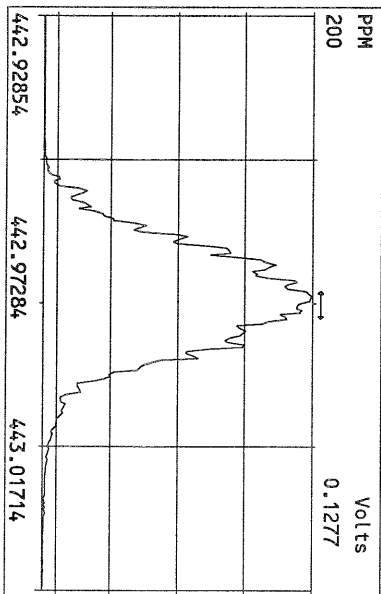
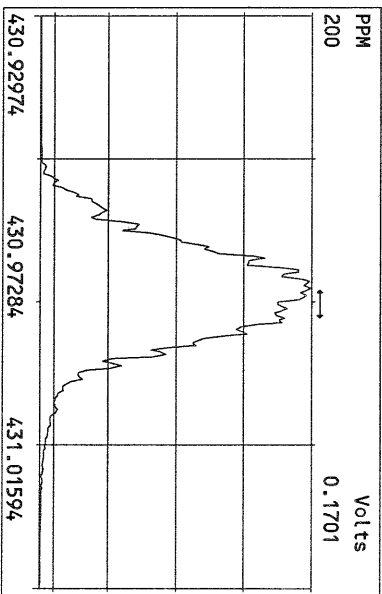
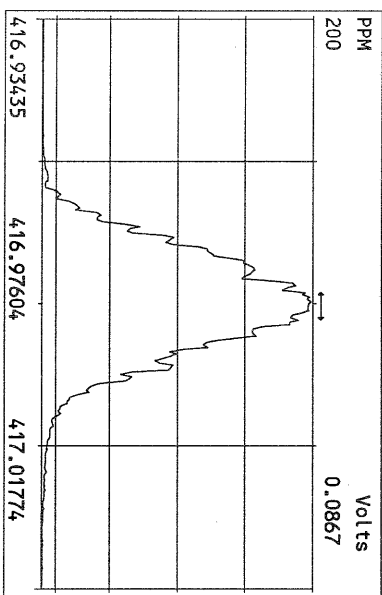
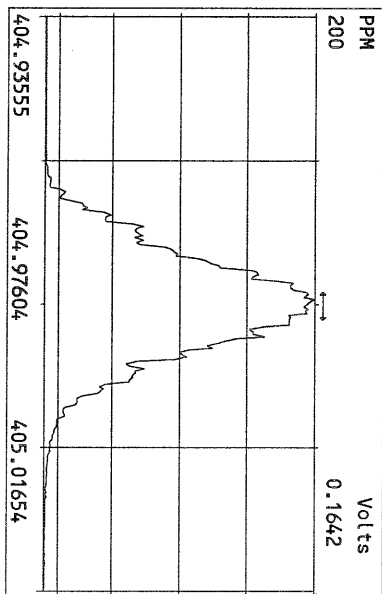
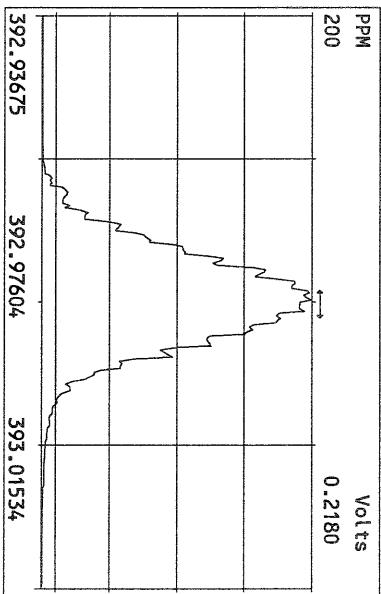
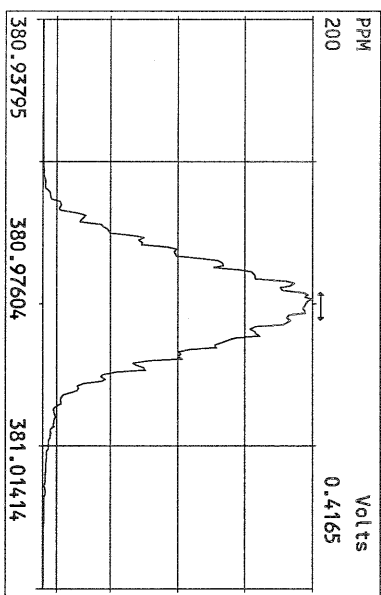
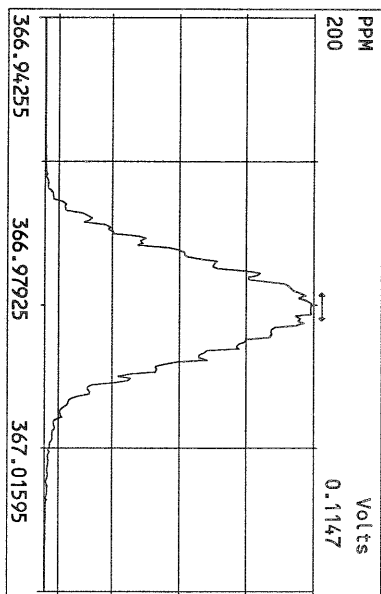


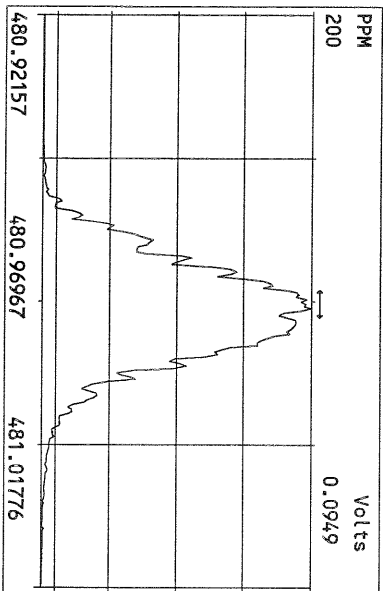
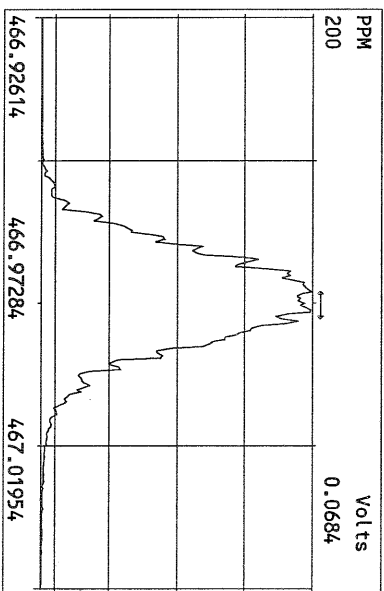
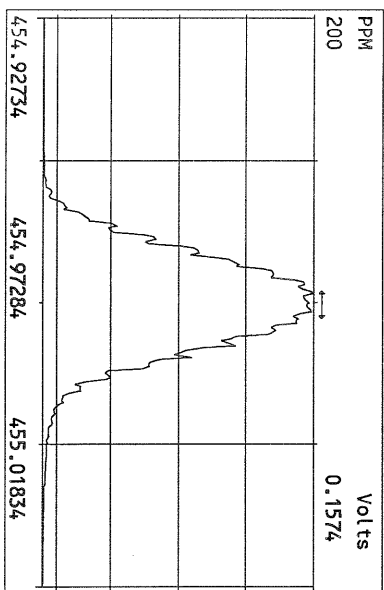
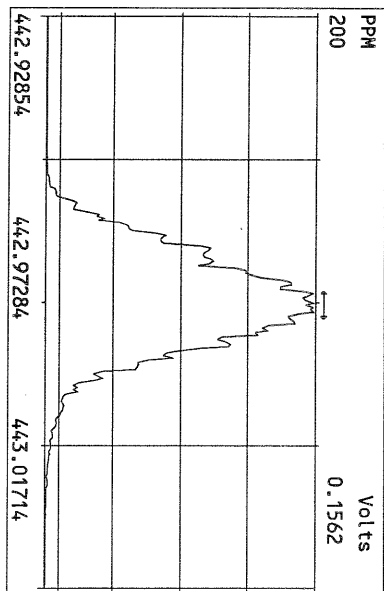
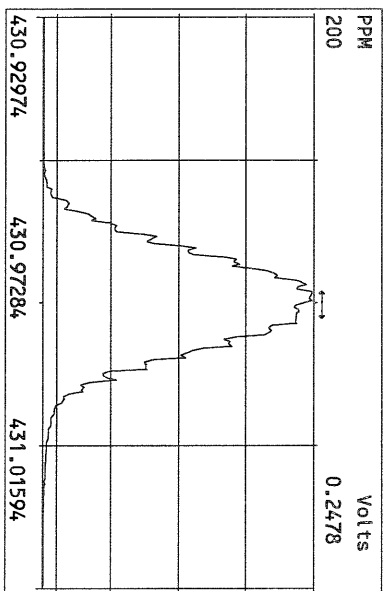
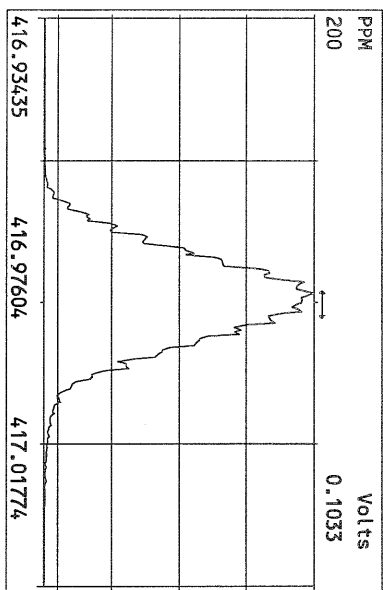
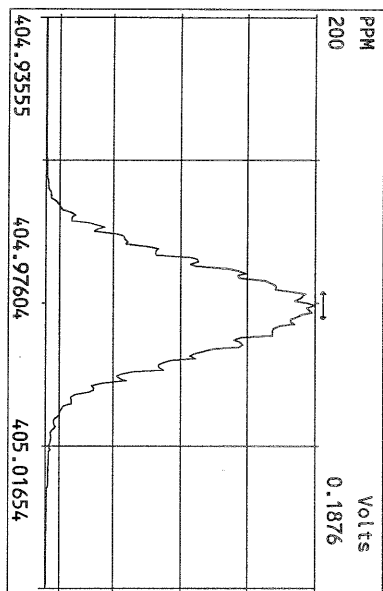
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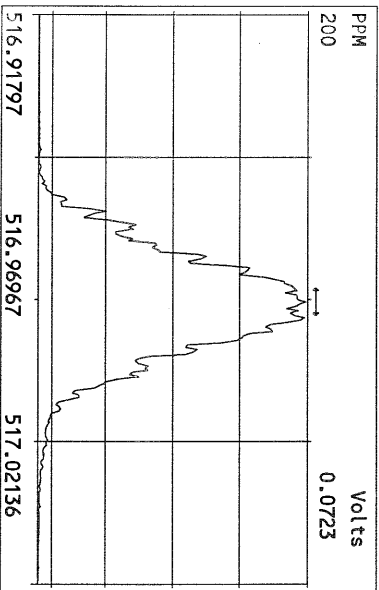
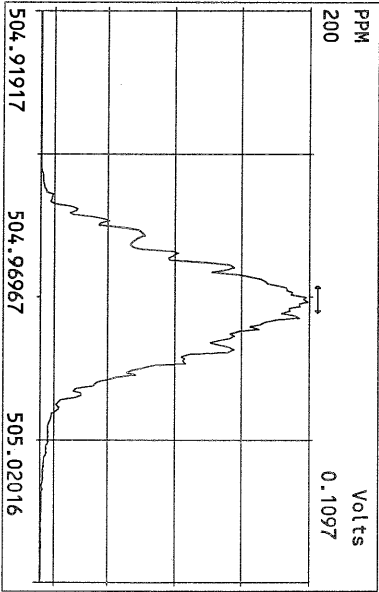
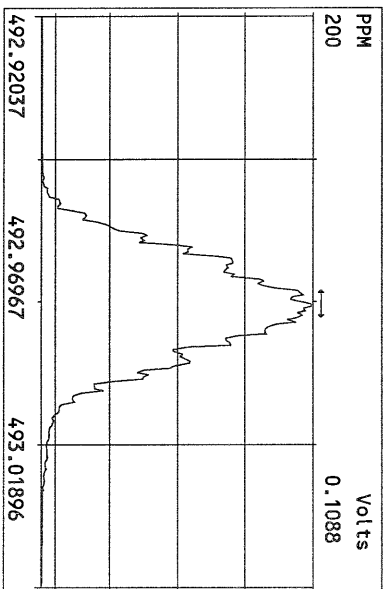
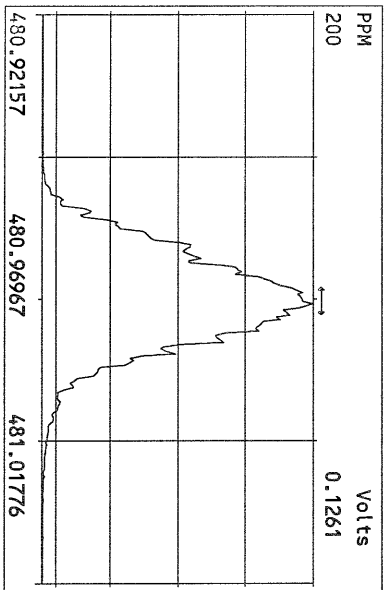
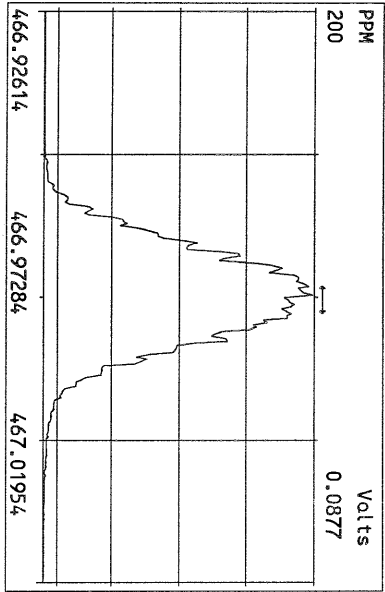
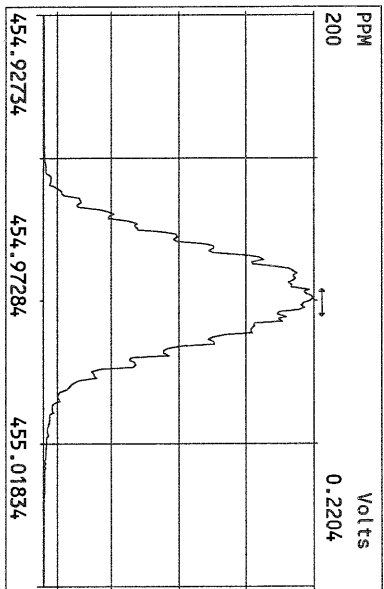
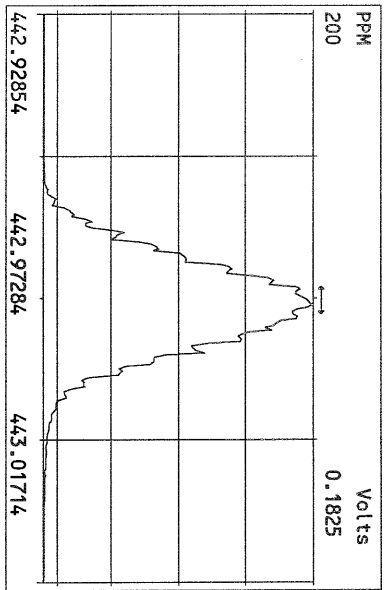
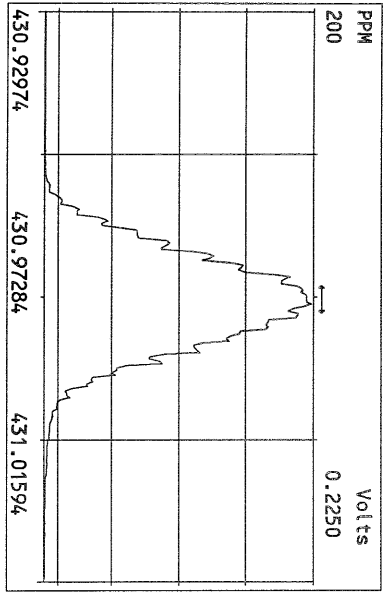












USEPA - ITD

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3

GC Column ID: DB5

VER Data Filename: 30AUG10M Sam:1

Analysis Date: 30-AUG-10 14:29:25

	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
NATIVE ANALYTES						
2,3,7,8-TCDD	M/M+2	0.80	0.65-0.89	y	10.8	7.80 - 12.9
1,2,3,7,8-PeCDD	M+2/M+4	1.44	1.32-1.78	y	52.8	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.36	1.05-1.43	y	47.5	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.37	1.05-1.43	y	49.8	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.30	1.05-1.43	y	53.0	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	0.91	0.88-1.20	y	50.1	43.0 - 58.0
OCDD	M+2/M+4	0.96	0.76-1.02	y	94.0	79.0 - 126
2,3,7,8-TCDF	M/M+2	0.67	0.65-0.89	y	9.28	8.40 - 12.0
1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32-1.78	y	50.9	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.60	1.32-1.78	y	50.8	41.0 - 60.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.27	1.05-1.43	y	47.7	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.27	1.05-1.43	y	47.9	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.27	1.05-1.43	y	47.8	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.29	1.05-1.43	y	47.9	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.07	0.88-1.20	y	50.6	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.04	0.88-1.20	y	50.4	43.0 - 58.0
OCDF	M+2/M+4	0.92	0.76-1.02	y	94.7	63.0 - 159

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

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

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

Analyst: _____

Date: _____

8/31/10

USEPA - ITD

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Initial Calibration Date: 8/23/10

Instrument ID: FAL3

GC Column ID: DB5

VER Data Filename: 30AUG10M

Sam:1

Analysis Date: 30-AUG-10 14:29:25


LABELLED COMPOUNDS	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	ACCEPT	CONC. FOUND	CONC. RANGE (ng/mL) (3)
13C-2,3,7,8-TCDD	M/M+2	0.84	0.65-0.89	y	96.4	82.0 - 121
13C-1,2,3,7,8-PeCDD	M+2/M+4	1.68	1.32-1.78	y	102	62.0 - 160
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.26	1.05-1.43	y	95.9	85.0 - 117
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05-1.43	y	98.0	85.0 - 118
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	0.91	0.88-1.20	y	107	72.0 - 138
13C-OCDD	M+2/M+4	1.00	0.76-1.02	y	220	96.0 - 415
13C-2,3,7,8-TCDF	M/M+2	0.86	0.65-0.89	y	95.4	71.0 - 140
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.70	1.32-1.78	y	90.5	76.0 - 130
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.69	1.32-1.78	y	91.3	77.0 - 130
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.48	0.43-0.59	y	99.7	76.0 - 131
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.48	0.43-0.59	y	104	70.0 - 143
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.48	0.43-0.59	y	103	73.0 - 137
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.48	0.43-0.59	y	104	74.0 - 135
13C-1,2,3,4,6,7,8-HpCDF	M/M+2	0.46	0.37-0.51	y	96.4	78.0 - 129
13C-1,2,3,4,7,8,9-HpCDF	M/M+2	0.44	0.37-0.51	y	103	77.0 - 129
13C-OCDF	M+2/M+4	1.02	0.76-1.02	y	231	96.0 - 415
CLEANUP STANDARD (4)						
37Cl-2,3,7,8-TCDD					9.19	7.80 - 12.8

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

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

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

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

Analyst: Date: 

USEPA - ITD

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 8/23/10

Instrument ID: FAL3

GC Column ID: DB5

Analysis Date: 30-AUG-10 14:29:25

CS3 or VER Data Filename: 30AUG10M

Sam:1

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002
LABELED COMPOUNDS			
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052
13C-2,3,7,8-TCDD		1.021	0.976-1.043
13C-2,3,7,8-TCDF		0.993	0.923-1.103
13C-1,2,3,7,8-PeCDD		1.239	1.000-1.567
13C-1,2,3,7,8-PeCDF		1.174	0.923-1.203
13C-2,3,4,7,8-PeCDF		1.224	0.923-1.303

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

Analyst: JDate: 8/31/10

USEPA - ITD

FORM 6B

PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Frontier Analytical Laboratory

Episode No.:

Contract No.:

SAS No.:

Init. Cal. Date: 8/23/10

Instrument ID: FAL3

GC Column ID: DB5

Analysis Date: 30-AUG-10 14:29:25 CS3 or VER Data Filename: 30AUG10M Sam:1

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.000	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.000	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.012	1.000-1.019
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.001	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.001	0.999-1.001
OCDF	13C-OCDF	1.001	0.999-1.001
LABELED COMPOUNDS			
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,7,8,9-HxCDD	0.984	0.977-1.000
13C-1,2,3,6,7,8-HxCDD		0.988	0.981-1.003
13C-1,2,3,4,7,8-HxCDF		0.949	0.944-0.970
13C-1,2,3,6,7,8-HxCDF		0.953	0.949-0.975
13C-2,3,4,6,7,8-HxCDF		0.978	0.959-1.021
13C-1,2,3,7,8,9-HxCDF		1.015	0.977-1.047
13C-1,2,3,4,6,7,8-HpCDD		1.128	1.086-1.130
13C-1,2,3,4,6,7,8-HpCDF		1.079	1.043-1.085
13C-1,2,3,4,7,8,9-HpCDF		1.151	1.057-1.154
13C-OCDD		1.269	1.032-1.311
13C-OCDF		1.279	1.000-1.311

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

Analyst:

Date: 8/24/10

Name	Resp	RA	RT	RRF	Conc	Qual	Fac Noise-1	Noise-2	DL	117
2,3,7,8-TCDD	3.17e+06	0.80 y	27:20	1.11	10.8	2.50	-	-	*	*
1,2,3,7,8-PeCDD	1.33e+07	1.44 y	33:10	1.10	52.8	2.50	-	-	*	*
1,2,3,4,7,8-HxCDD	1.21e+07	1.36 y	38:32	1.37	47.5	2.50	-	-	*	*
1,2,3,6,7,8-HxCDD	1.22e+07	1.37 y	38:42	1.37	49.8	2.50	-	-	*	*
1,2,3,7,8,9-HxCDD	1.32e+07	1.30 y	39:09	1.36	53.0	2.50	-	-	*	*
1,2,3,4,6,7,8-HpCDD	1.20e+07	0.91 y	44:09	1.45	50.1	2.50	-	-	*	*
OCDD	1.46e+07	0.96 y	49:43	1.43	94.0	2.50	-	-	*	*
2,3,7,8-TCDF	6.11e+06	0.67 y	26:35	1.50	9.28	2.50	-	-	*	*
1,2,3,7,8-PeCDF	1.68e+07	1.58 y	31:26	0.94	50.9	2.50	-	-	*	*
2,3,4,7,8-PeCDF	1.63e+07	1.60 y	32:45	0.94	50.8	2.50	-	-	*	*
1,2,3,4,7,8-HxCDF	1.48e+07	1.27 y	37:09	0.93	47.7	2.50	-	-	*	*
1,2,3,6,7,8-HxCDF	1.86e+07	1.27 y	37:21	0.82	47.9	2.50	-	-	*	*
2,3,4,6,7,8-HxCDF	1.64e+07	1.27 y	38:17	0.92	47.8	2.50	-	-	*	*
1,2,3,7,8,9-HxCDF	1.82e+07	1.29 y	39:44	1.00	47.9	2.50	-	-	*	*
1,2,3,4,6,7,8-HpCDF	1.36e+07	1.07 y	42:14	1.39	50.6	2.50	-	-	*	*
1,2,3,4,7,8,9-HpCDF	1.02e+07	1.04 y	45:04	1.36	50.4	2.50	-	-	*	*
OCDF	1.68e+07	0.92 y	50:05	0.79	94.7	2.50	-	-	*	*
										Rec
13C-2,3,7,8-TCDD	2.63e+07	0.84 y	27:19	1.02	96.4					96.4
13C-1,2,3,7,8-PeCDD	2.29e+07	1.68 y	33:09	0.84	102					102
13C-1,2,3,4,7,8-HxCDD	1.86e+07	1.26 y	38:31	1.07	95.9					95.9
13C-1,2,3,6,7,8-HxCDD	1.79e+07	1.26 y	38:41	1.01	98.0					98.0
13C-1,2,3,4,6,7,8-HpCDD	1.65e+07	0.91 y	44:08	0.86	107					107
13C-OCDD	2.17e+07	1.00 y	49:41	0.55	220					110
13C-2,3,7,8-TCDF	4.38e+07	0.86 y	26:34	0.99	95.4					95.4
13C-1,2,3,7,8-PeCDF	3.50e+07	1.70 y	31:24	0.84	90.5					90.5
13C-2,3,4,7,8-PeCDF	3.42e+07	1.69 y	32:44	0.81	91.3					91.3
13C-1,2,3,4,7,8-HxCDF	3.33e+07	0.48 y	37:07	1.85	99.7					99.7
13C-1,2,3,6,7,8-HxCDF	4.74e+07	0.48 y	37:19	2.54	104					104
13C-2,3,4,6,7,8-HxCDF	3.74e+07	0.48 y	38:16	2.01	103					103
13C-1,2,3,7,8,9-HxCDF	3.81e+07	0.48 y	39:42	2.03	104					104
13C-1,2,3,4,6,7,8-HpCDF	1.93e+07	0.46 y	42:14	1.11	96.4					96.4
13C-1,2,3,4,7,8,9-HpCDF	1.50e+07	0.44 y	45:03	0.80	103					103
13C-OCDF	4.51e+07	1.02 y	50:04	1.08	231					115
37Cl-2,3,7,8-TCDD	1.68e+06		27:20	0.69	9.19					91.9
13C-1,2,3,4-TCDD	2.67e+07	0.82 y	26:45	-	59.4					
13C-1,2,3,4-TCDF	4.62e+07	0.88 y	25:28	-	63.8					
13C-1,2,3,7,8,9-HxCDD	1.80e+07	1.27 y	39:08	-	65.4					
						Fac Noise-1	Noise-2	DL	#Hom	
Total Tetra-Dioxins	1.61e+07		23:27	1.11	55.1	2.50	-	-	*	19
Total Penta-Dioxins	2.91e+07		30:11	1.10	115	2.50	-	-	*	13
Total Hexa-Dioxins	4.26e+07		36:04	1.37	171	2.50	-	-	*	15
Total Hepta-Dioxins	2.44e+07		42:46	1.45	102	2.50	-	-	*	16
Total Tetra-Furans	2.57e+07		22:59	1.50	39.1	2.50	-	-	*	15
1st Fn. Tot Penta-Furans	1.98e+07		28:21	0.94	61.0	2.50	-	-	*	PeCDF 4
Total Penta-Furans	4.84e+07		30:07	0.94	149	2.50	-	-	*	210 13
Total Hexa-Furans	7.90e+07		35:11	0.91	222	2.50	-	-	*	14
Total Hepta-Furans	2.47e+07		42:14	1.38	105	2.50	-	-	*	15

Analyst: 

Date: 8/31/10

Frontier Analytical Laboratory - Acquisition Log

Run Name:30AUG10M

Instrument: FAL3

GC: DB5

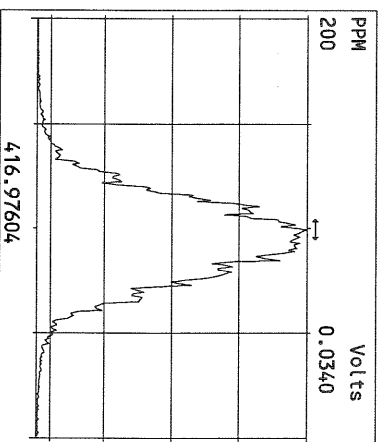
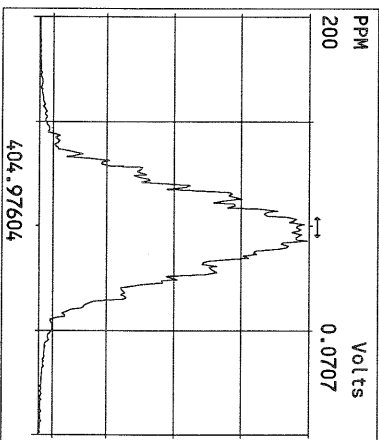
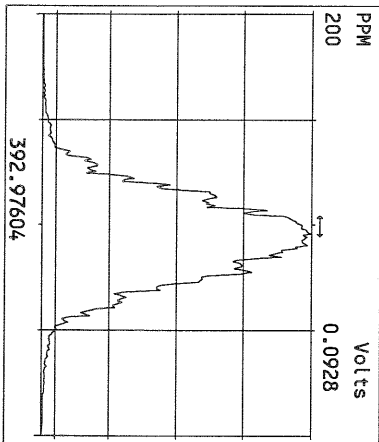
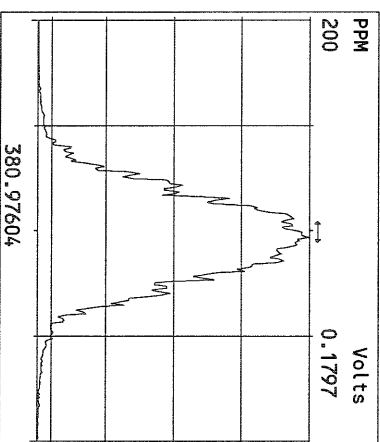
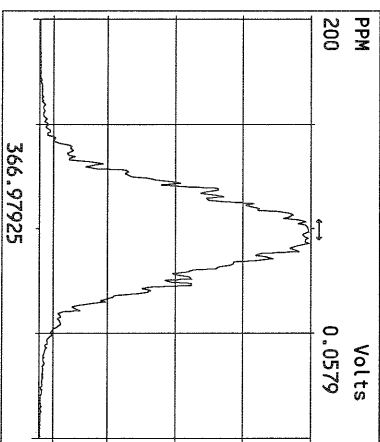
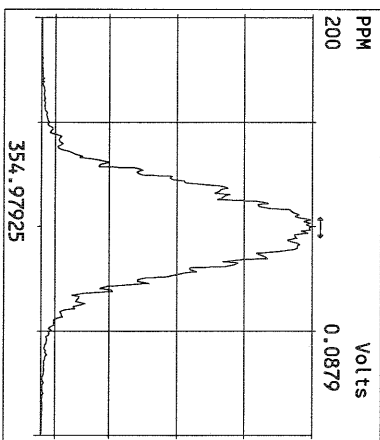
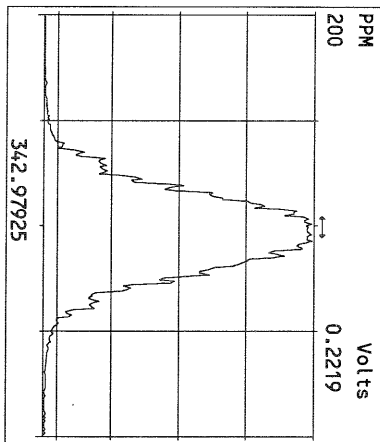
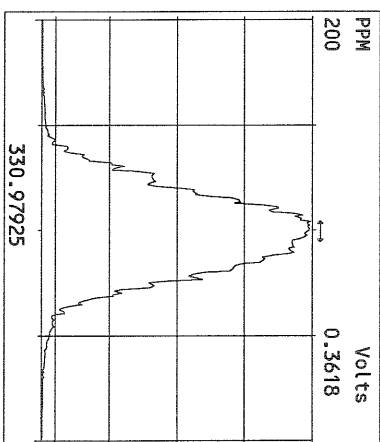
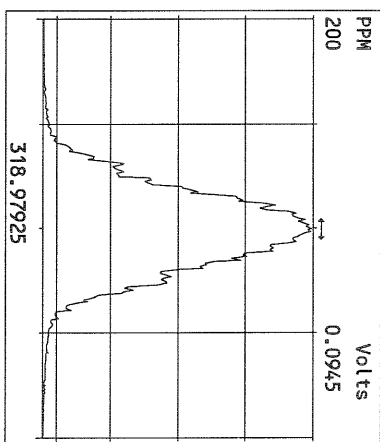
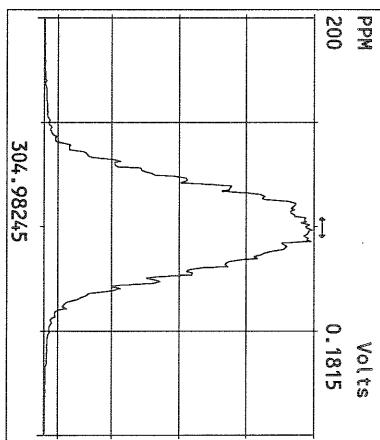
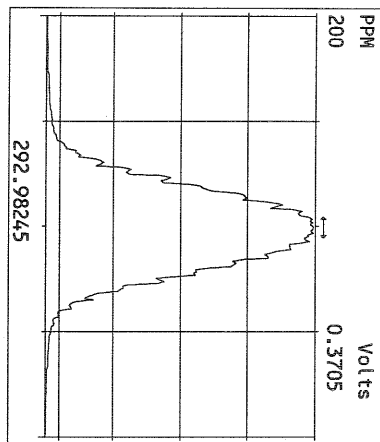
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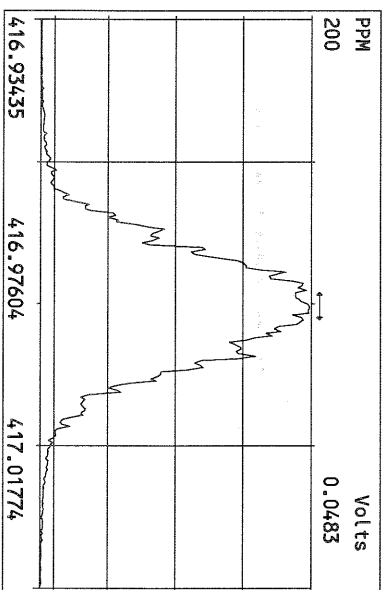
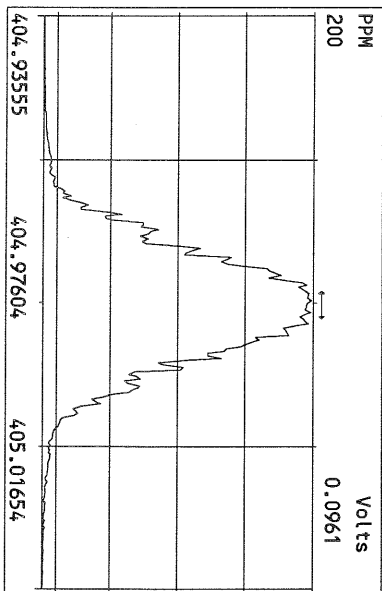
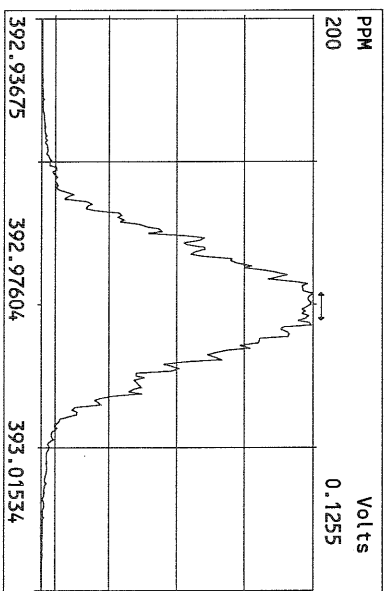
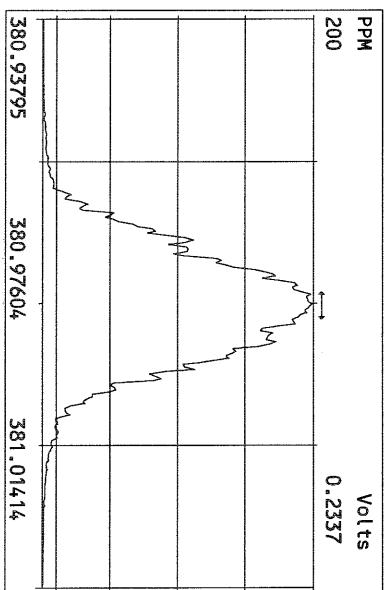
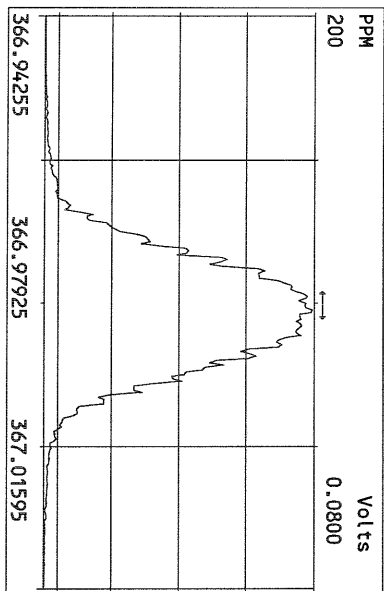
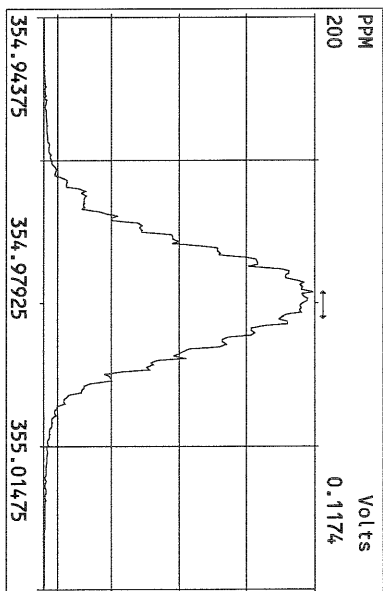
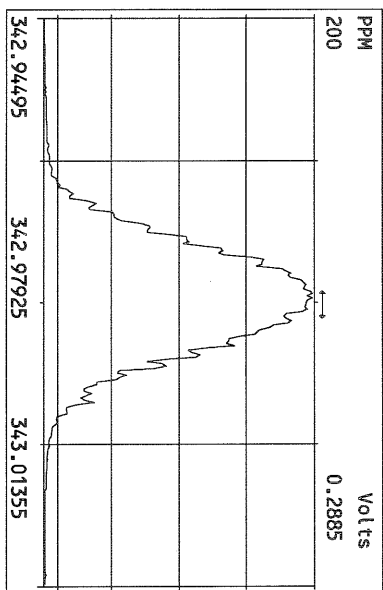
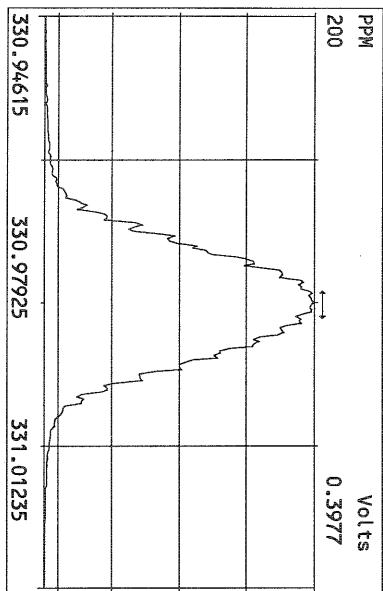
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30AUG10M	5	6312-001-0001-SA	MW-09-081310	30-AUG-10 18:10:59	ST083010M1	ST083010M2	TC
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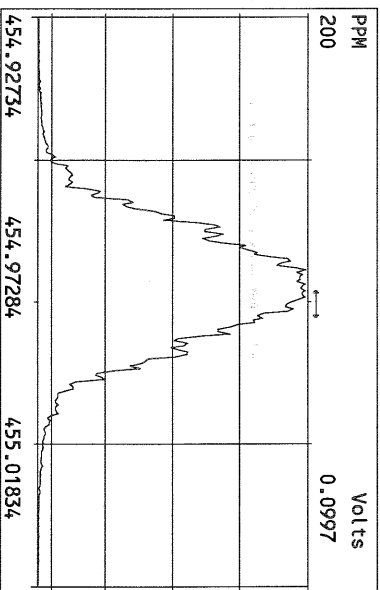
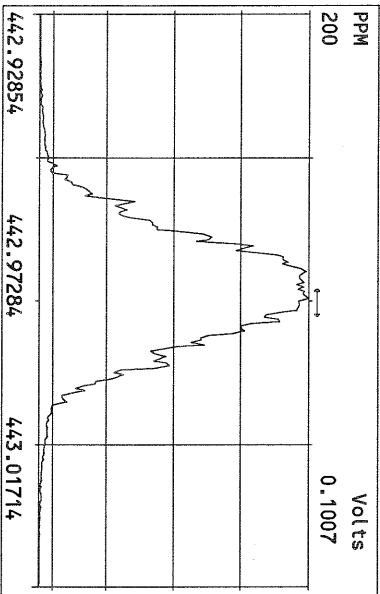
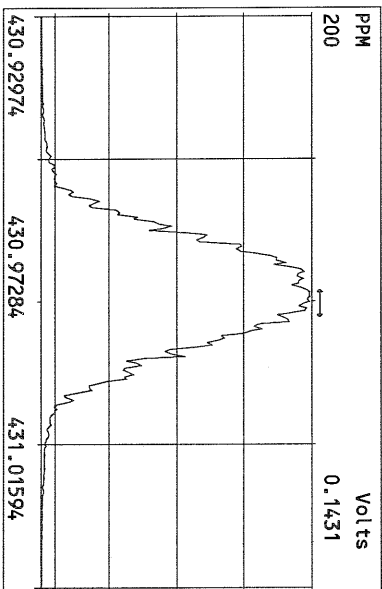
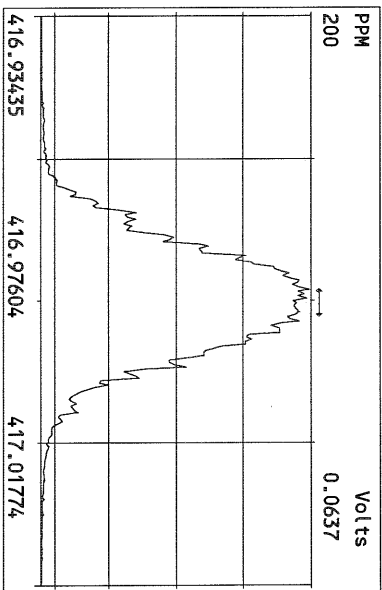
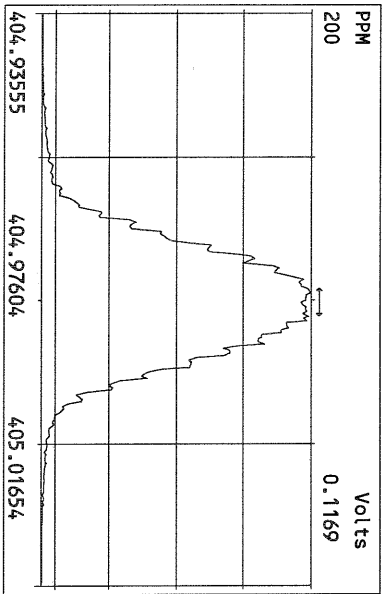
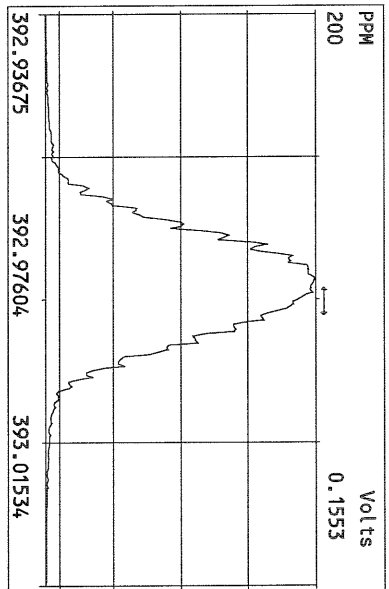
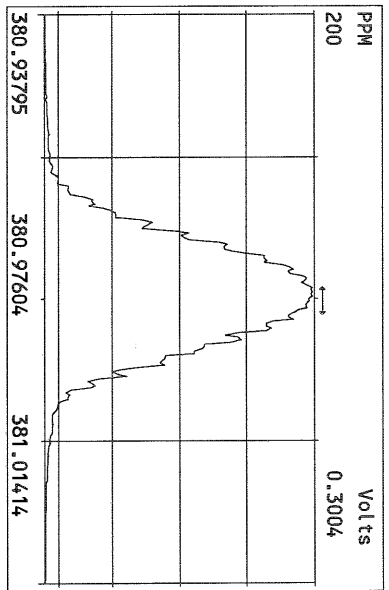
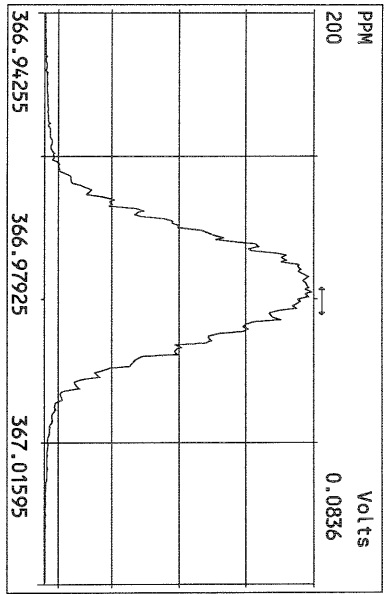
J 8/31/10

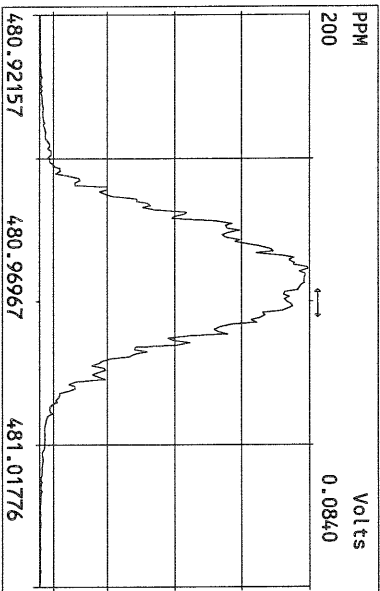
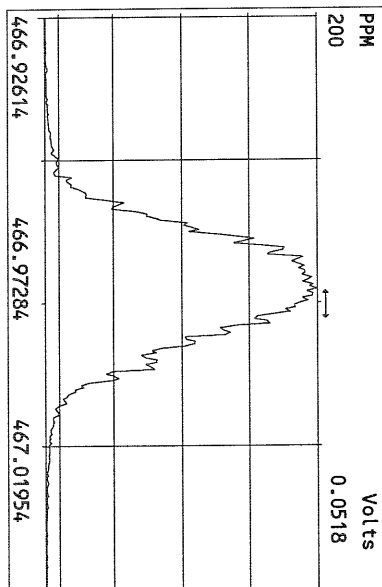
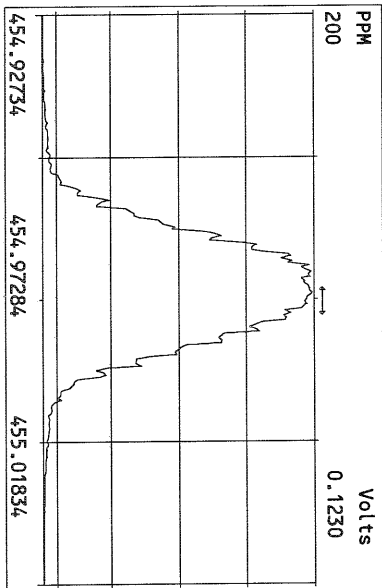
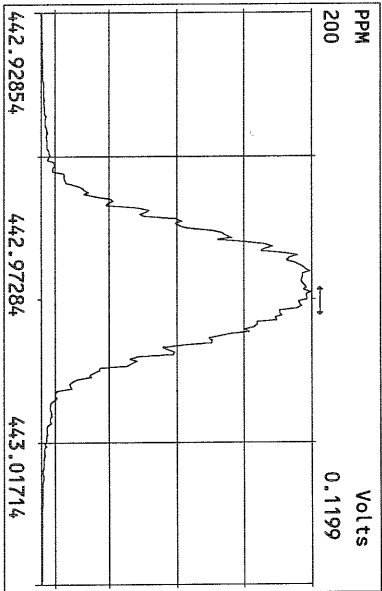
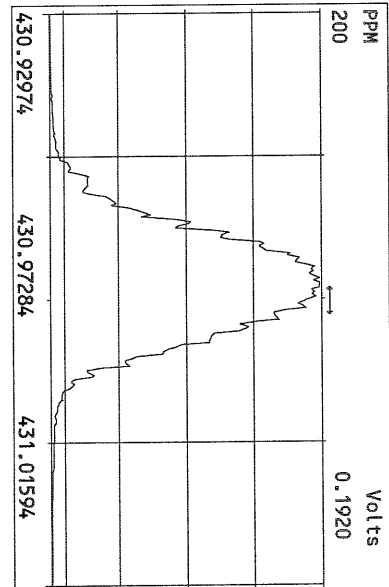
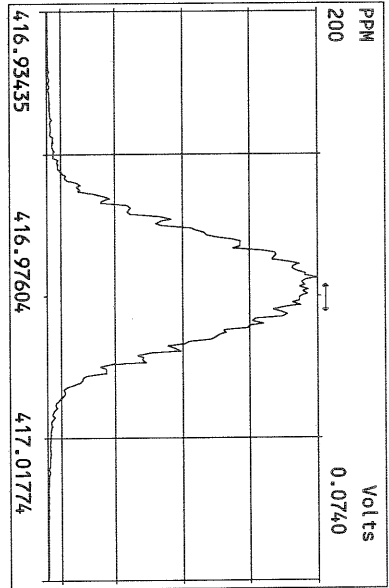
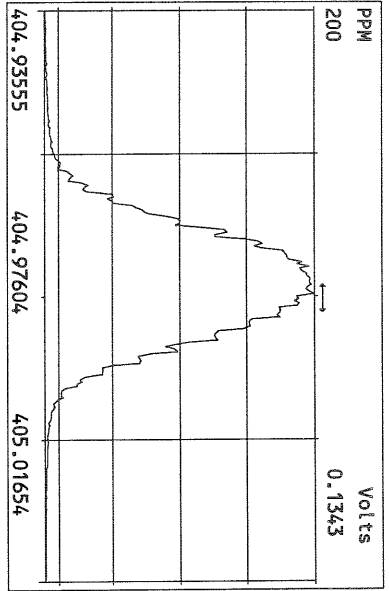
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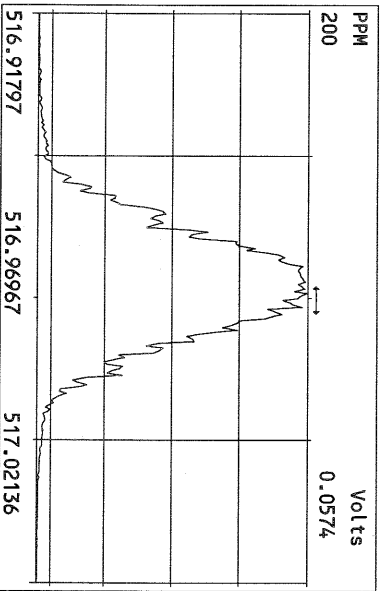
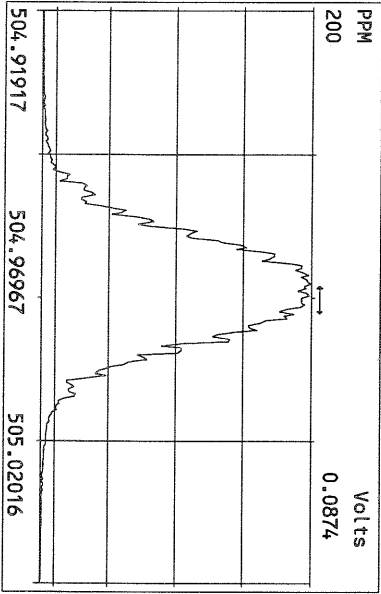
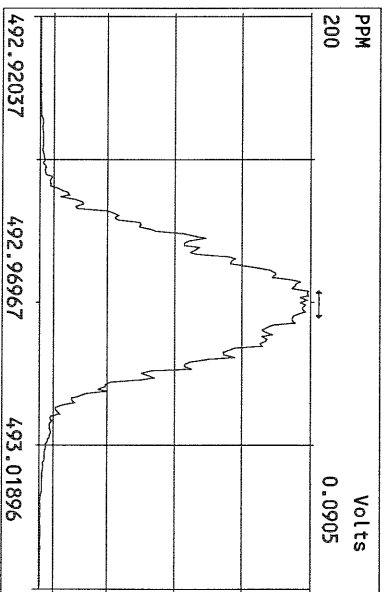
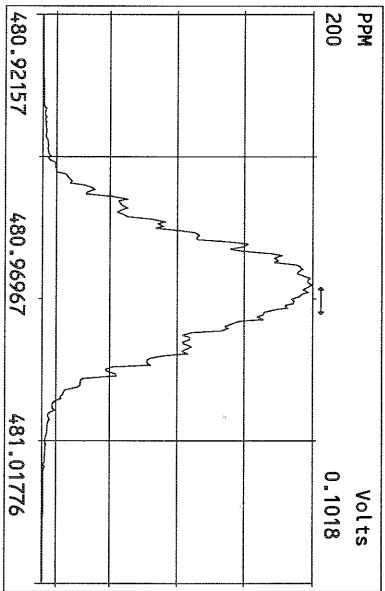
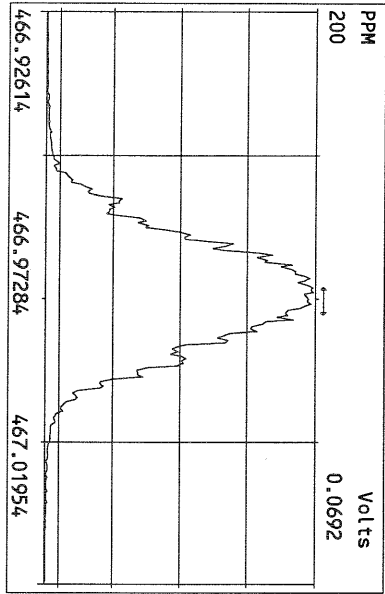
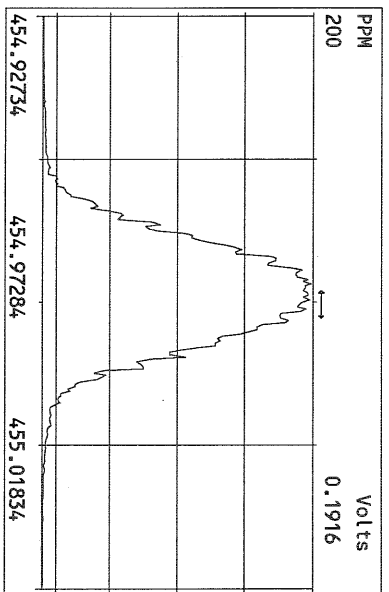
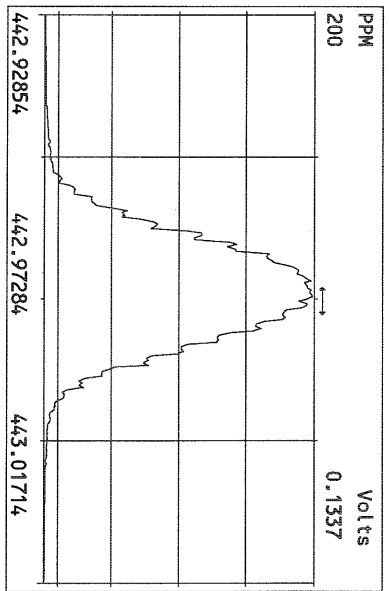
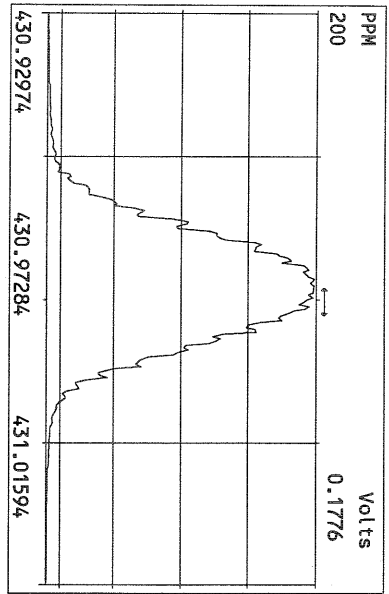
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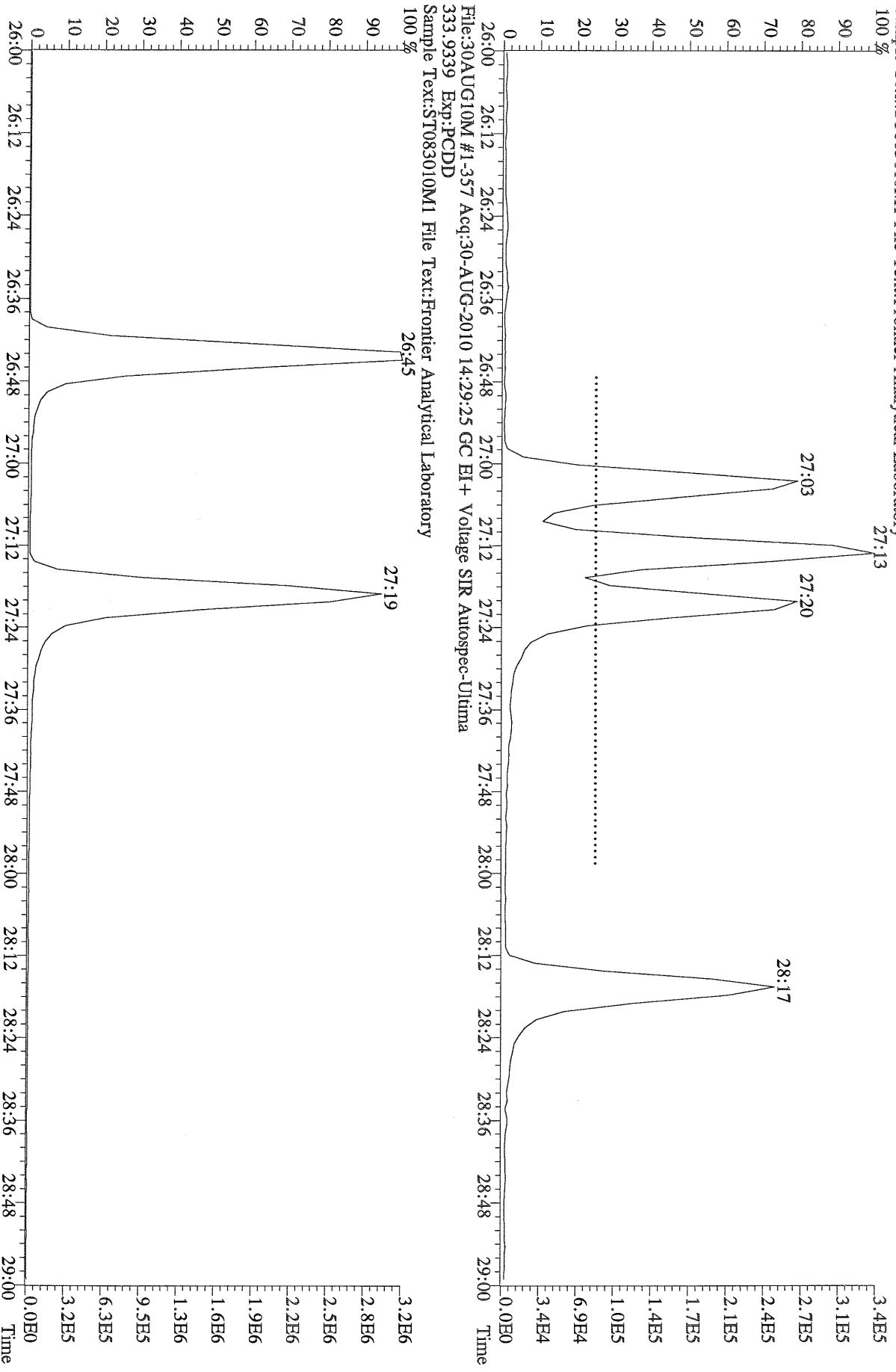




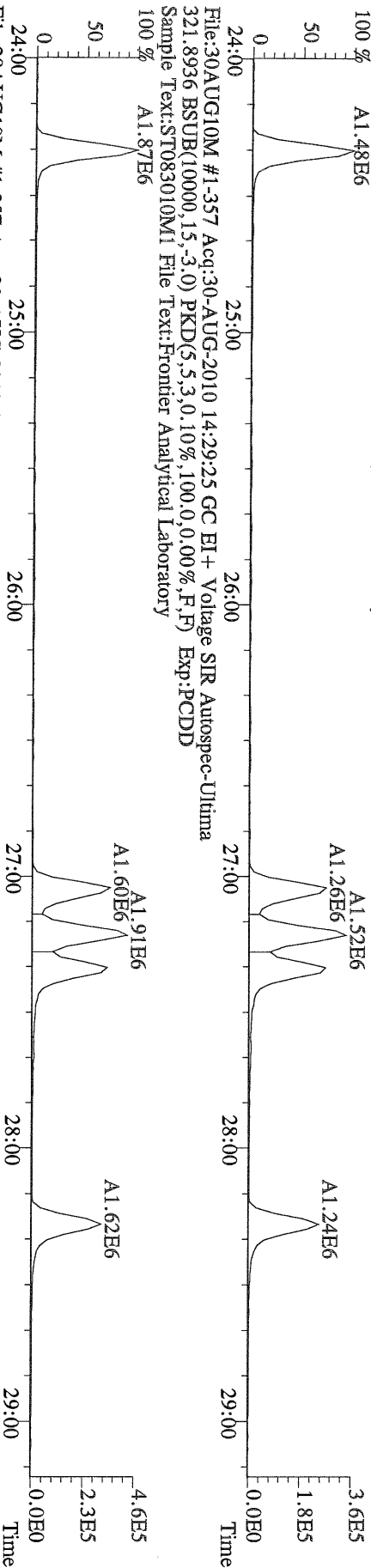




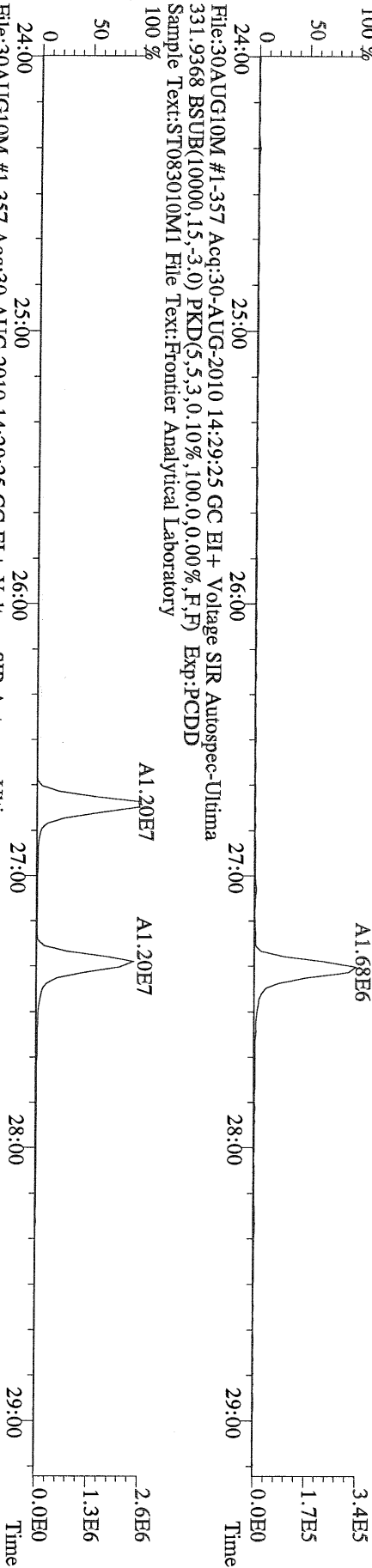
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319.8965 Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory
100 %



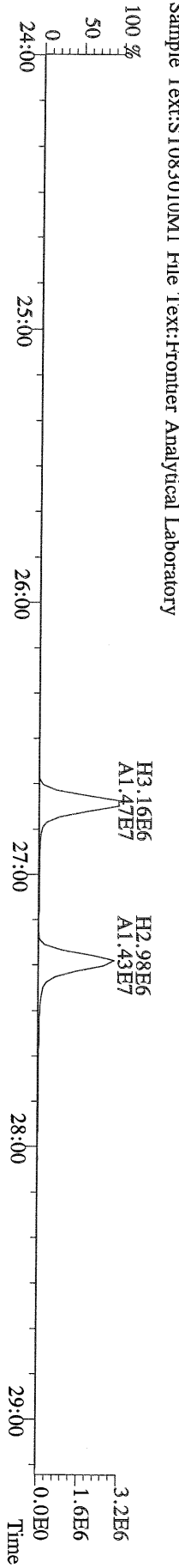
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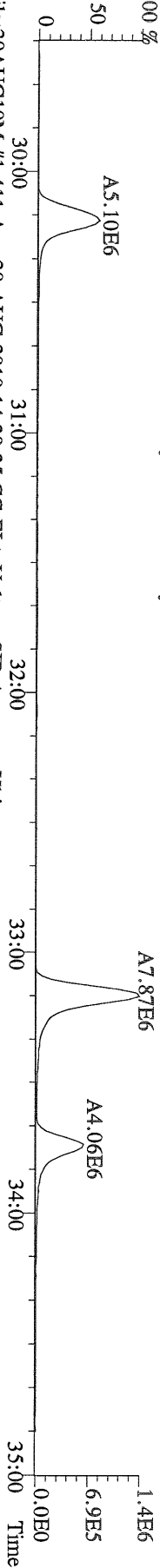
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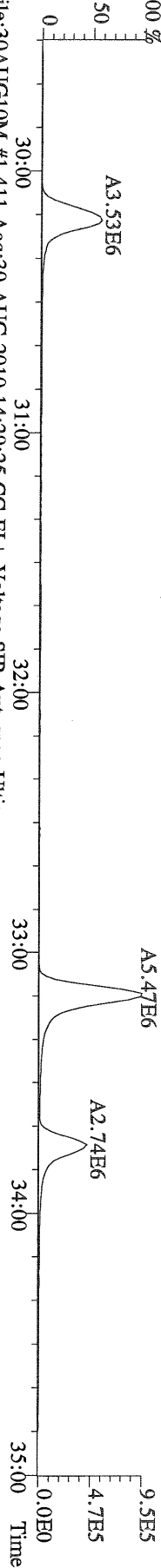
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Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



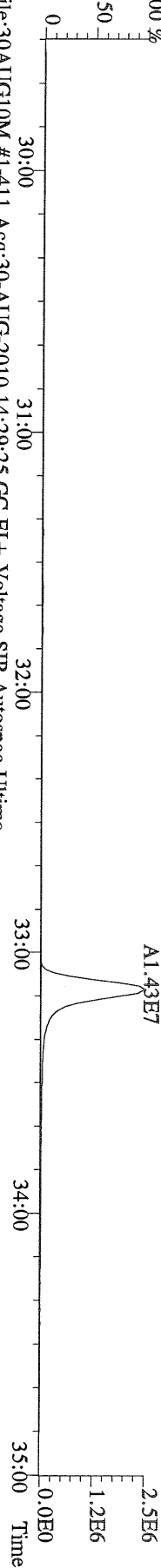
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 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



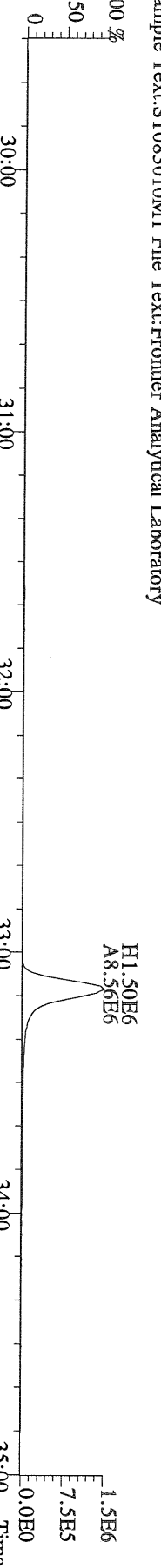
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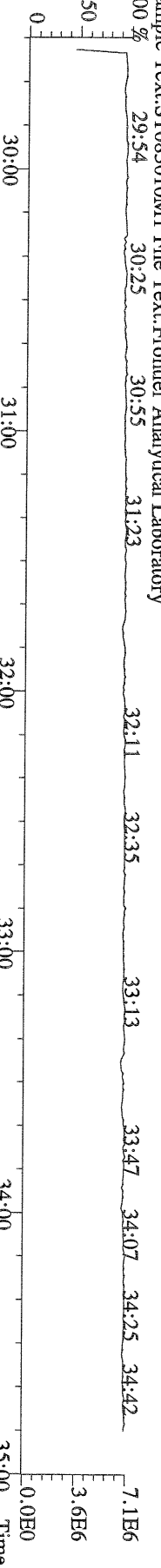
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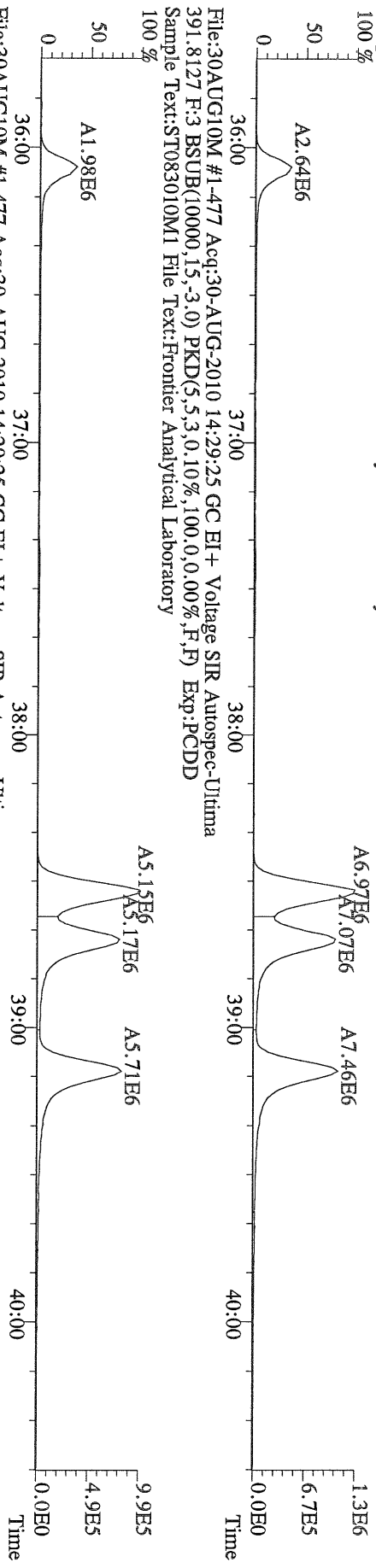
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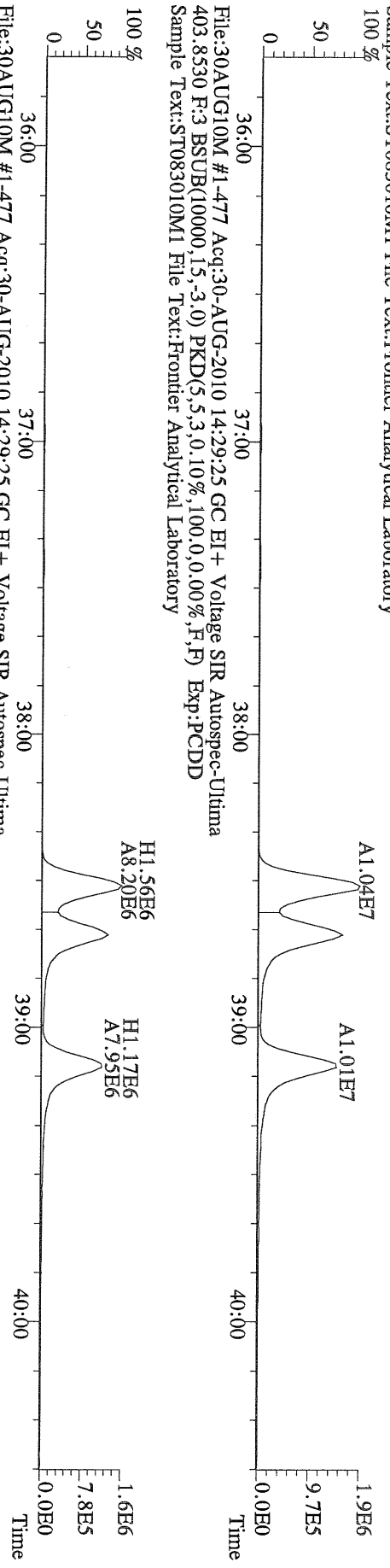
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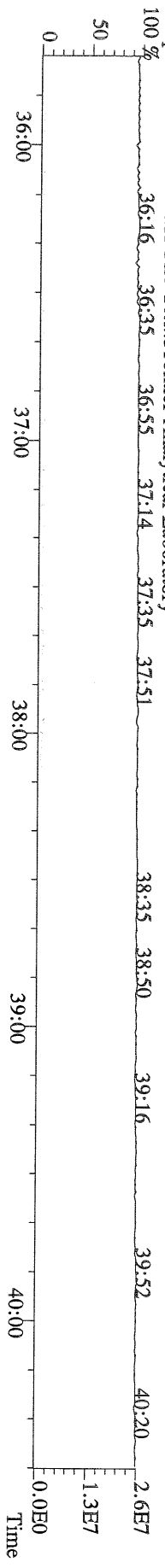
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389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
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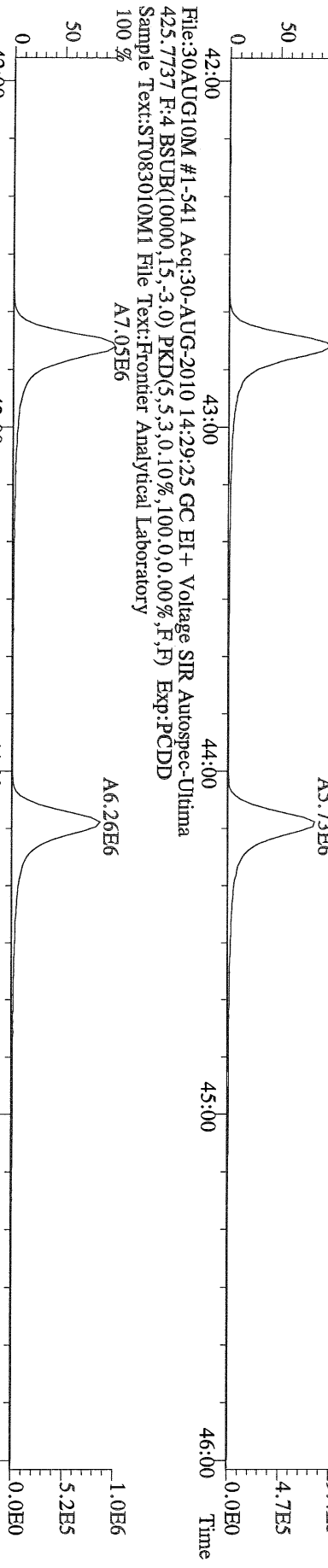
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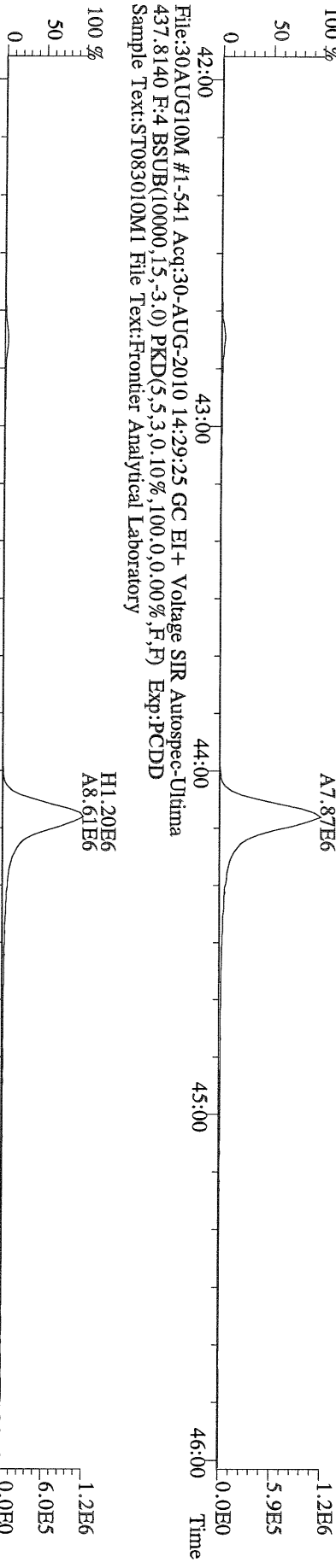
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380.9760 F:3 Exp:PCDD
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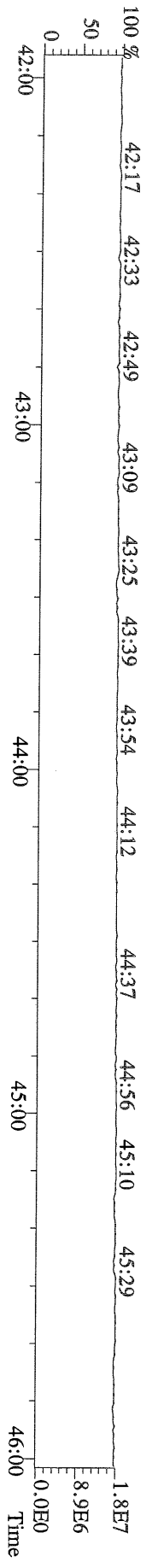
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423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



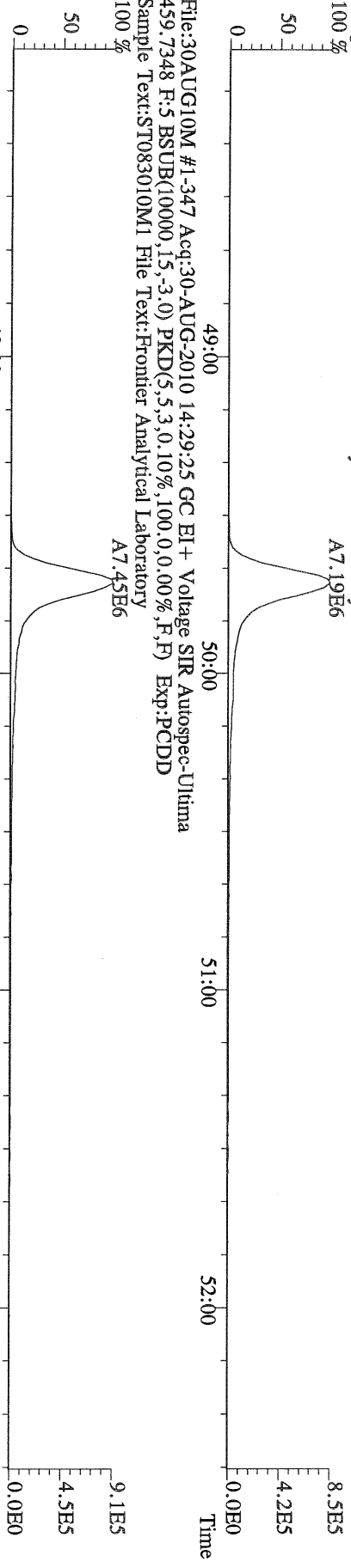
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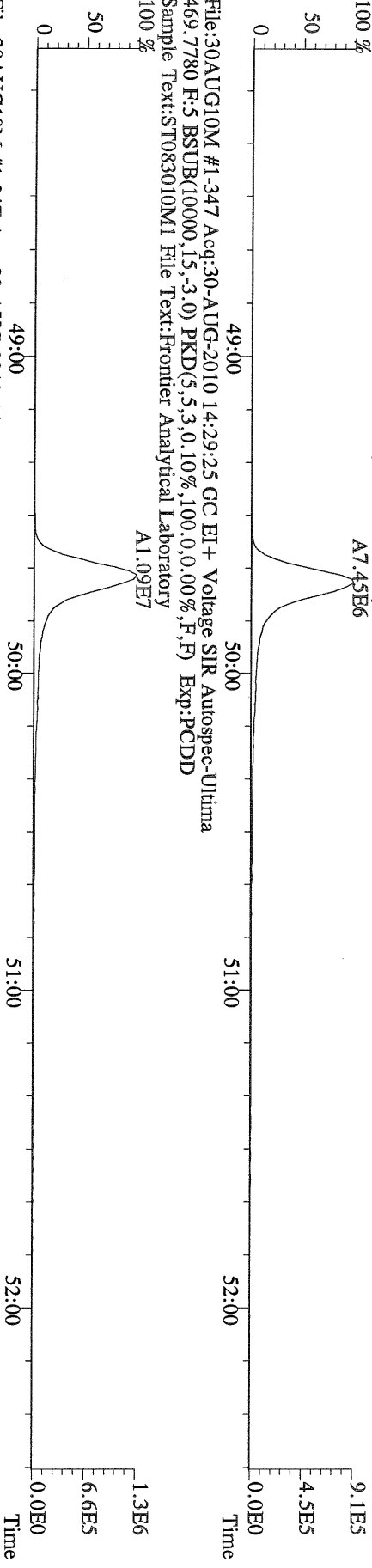
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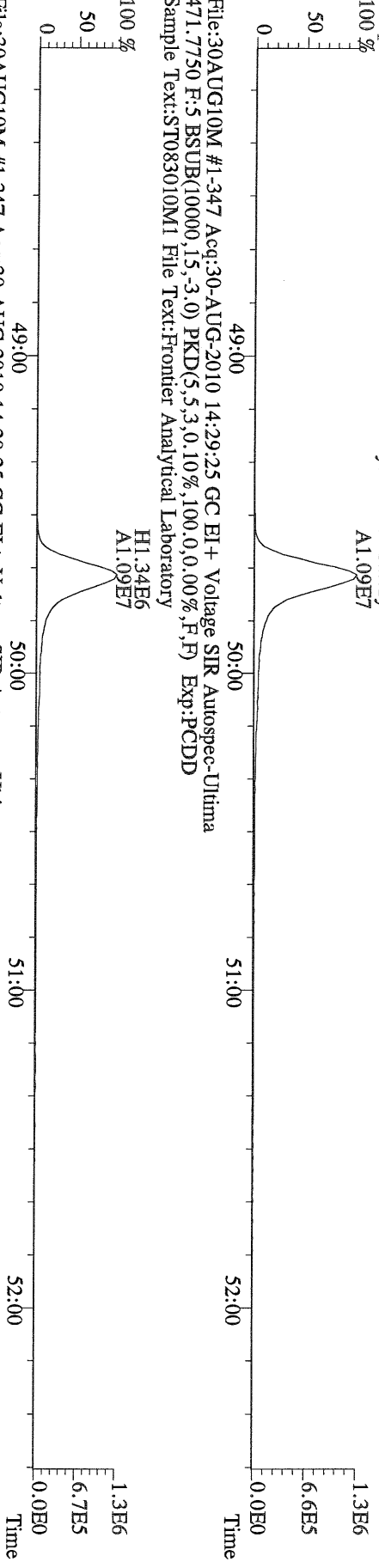
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457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
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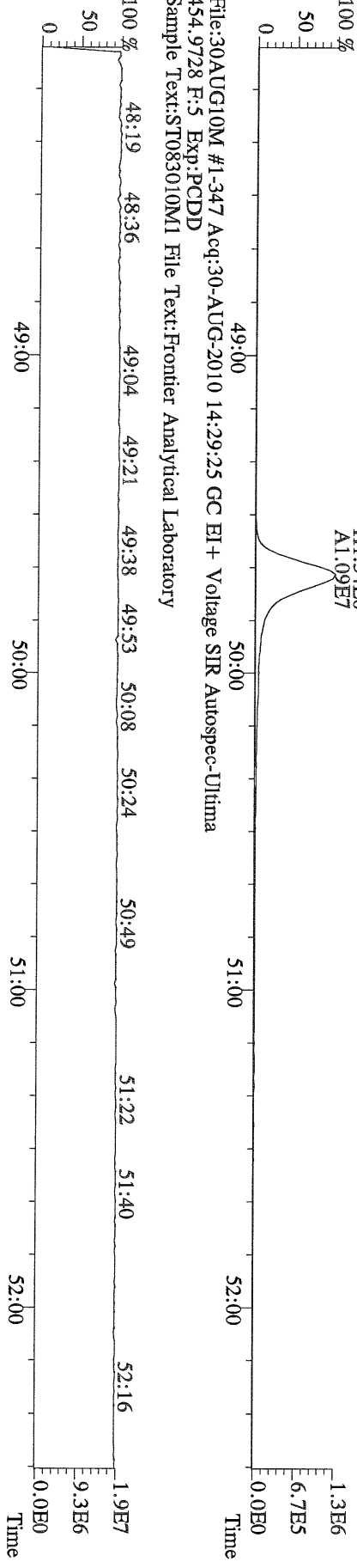
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File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Ultima
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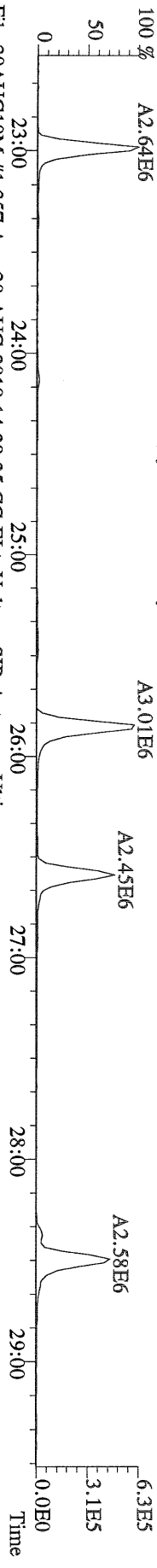


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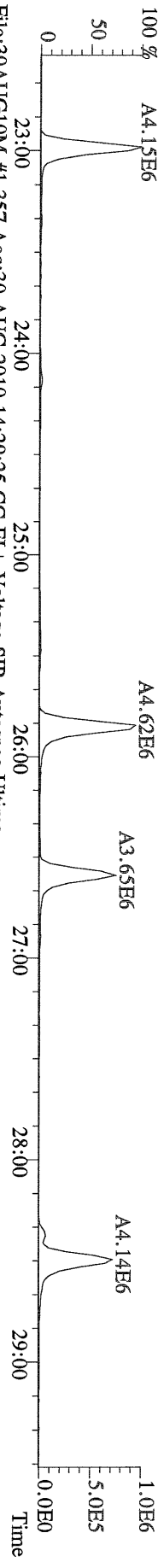


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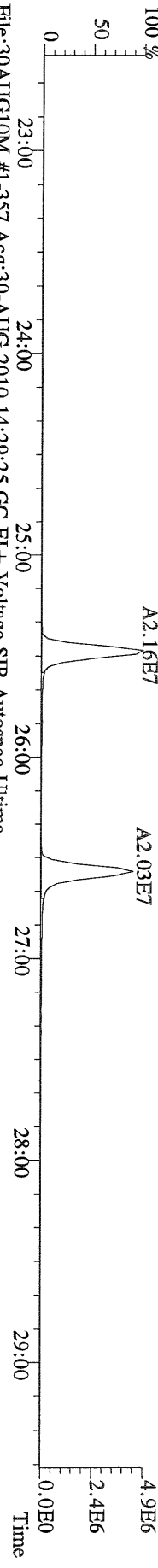
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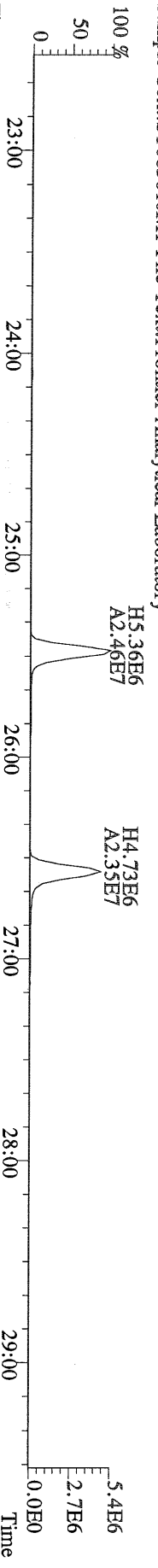
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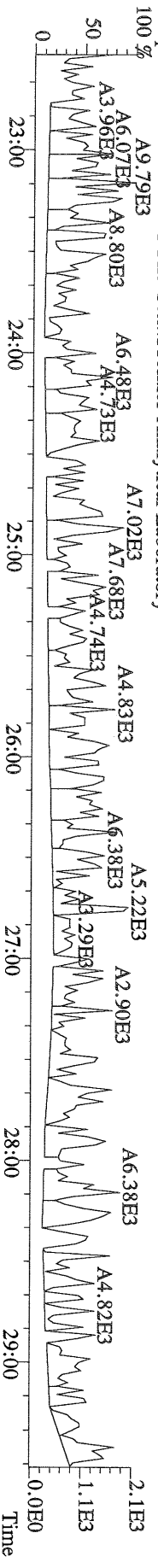
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315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
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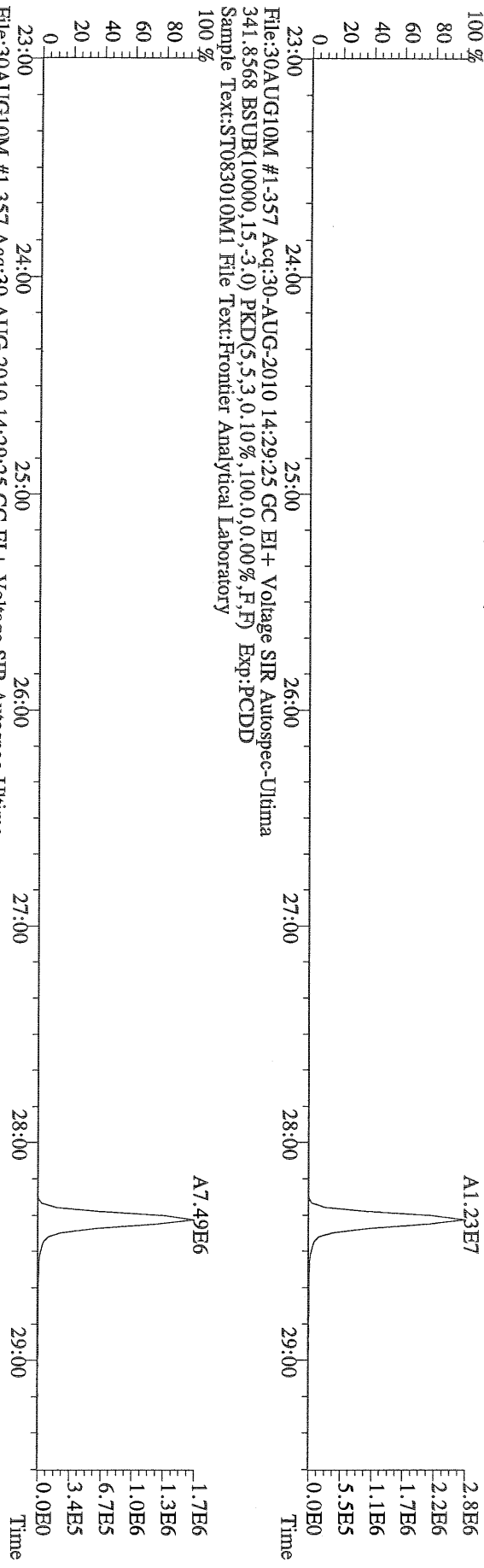
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317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



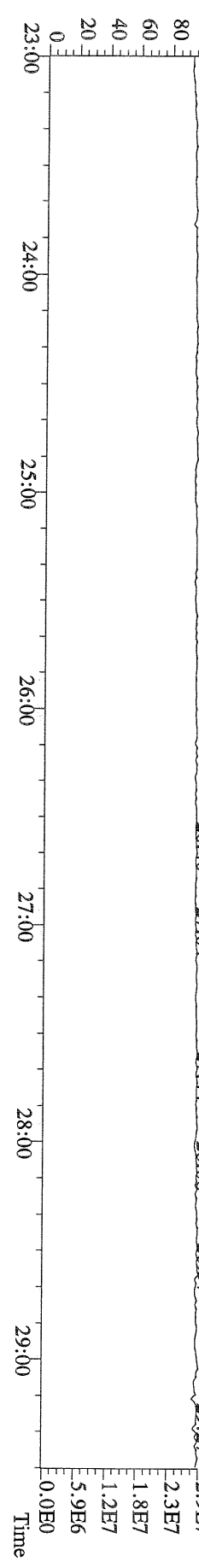
File:30AUG10M #1-357 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



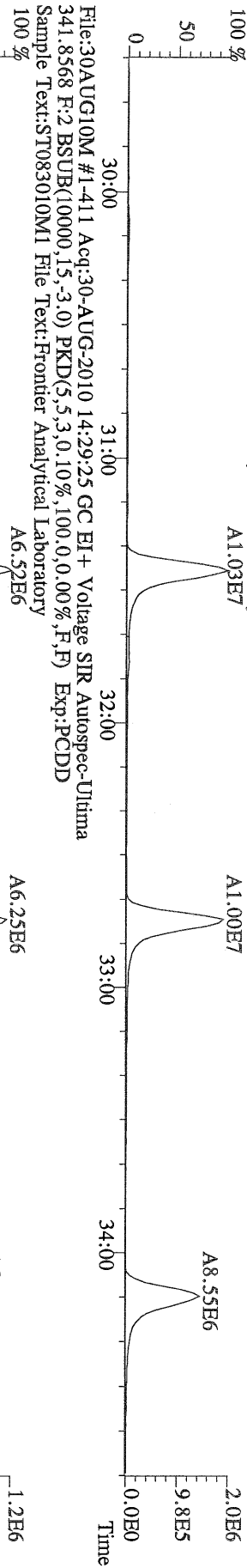
File:30AUG10M #1-357 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



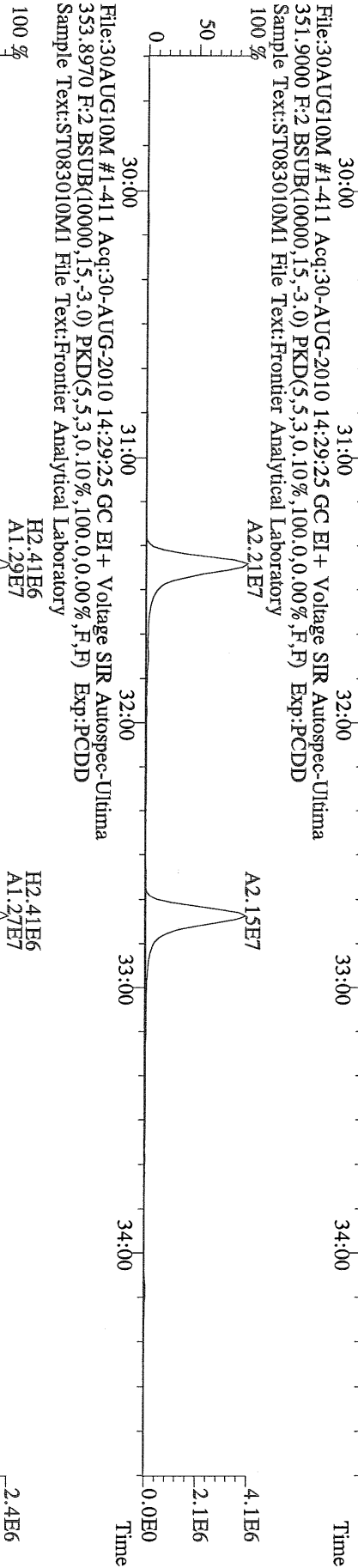
File:30AUG10M #1-357 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 BSUB(10000,15,-3,0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



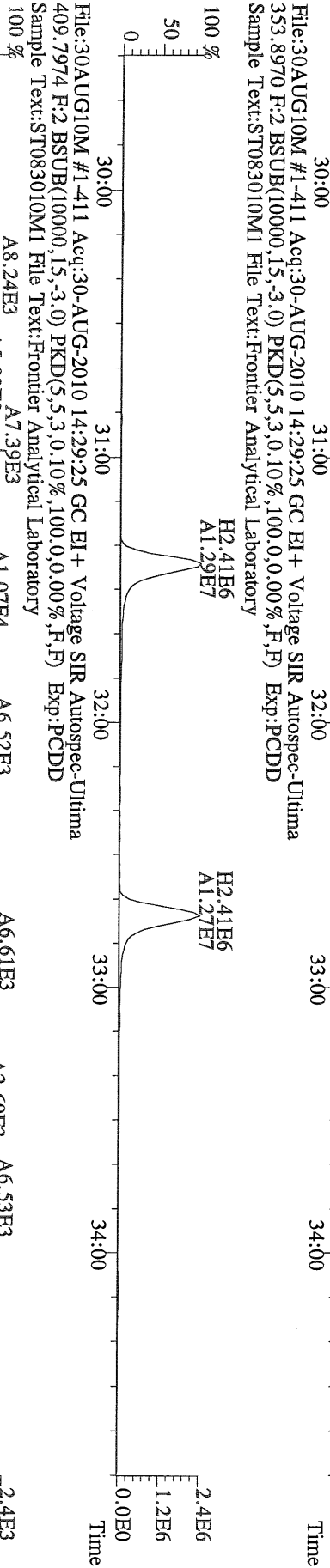
File:30AUG10M #1-411 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



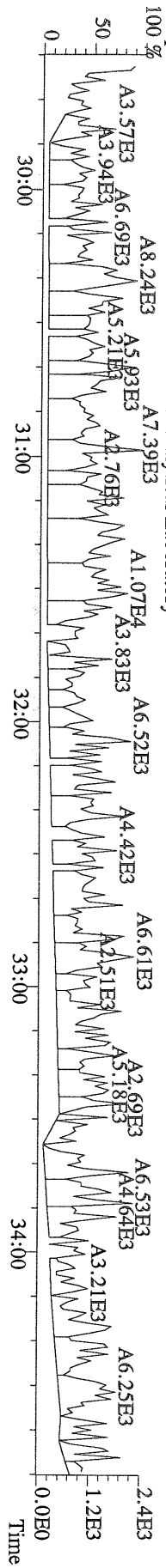
File:30AUG10M #1-411 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



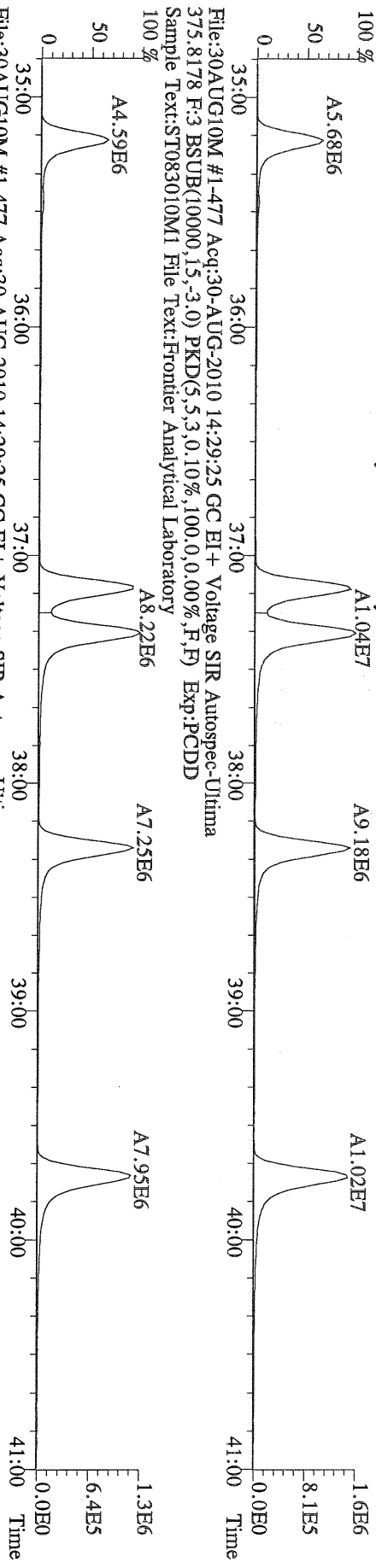
File:30AUG10M #1-411 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



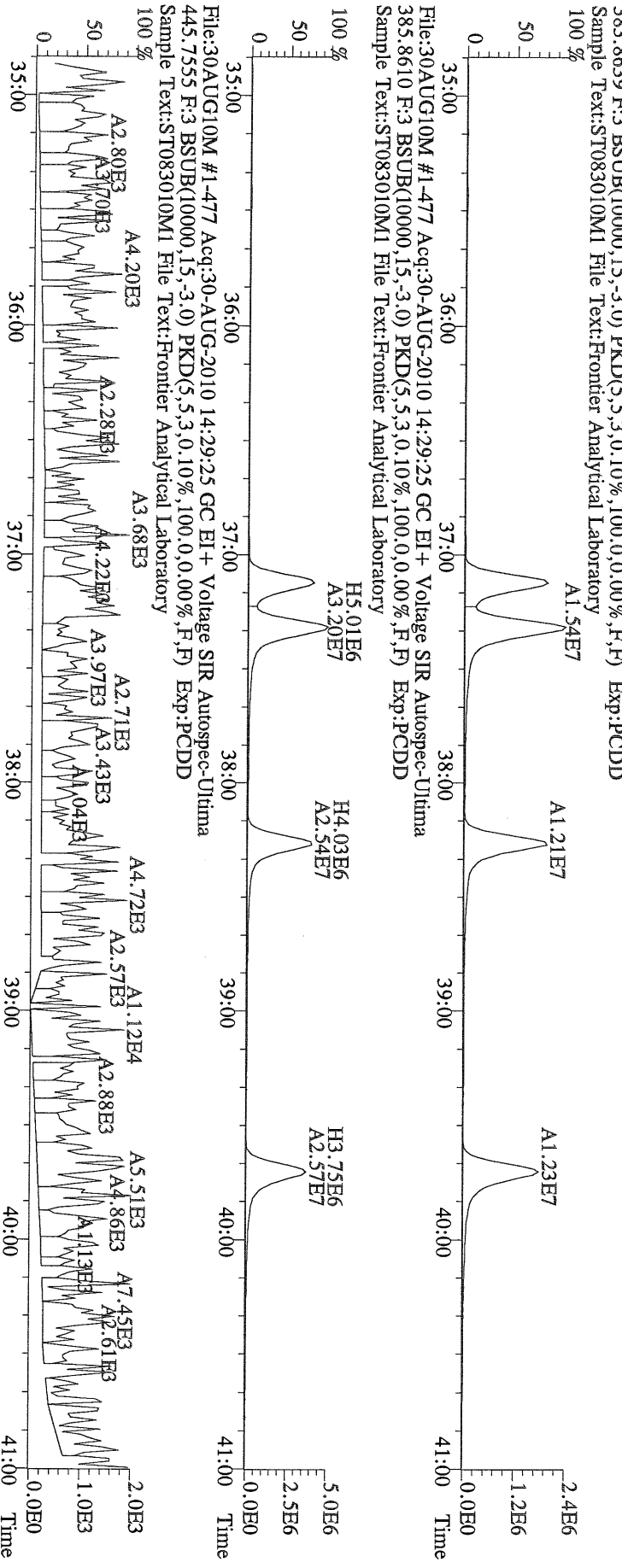
File:30AUG10M #1-411 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
 409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F) Exp:PCDD
 Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



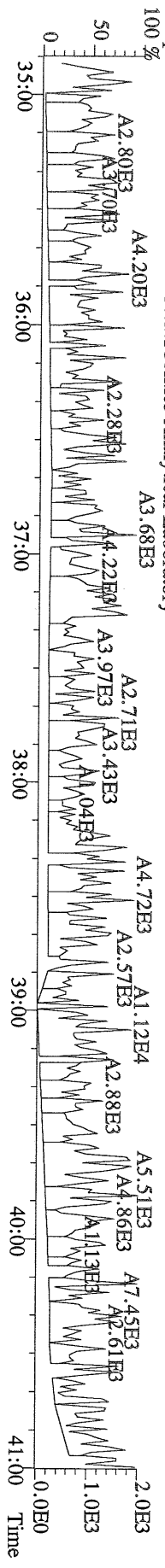
File:30AUG10M #1-477 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



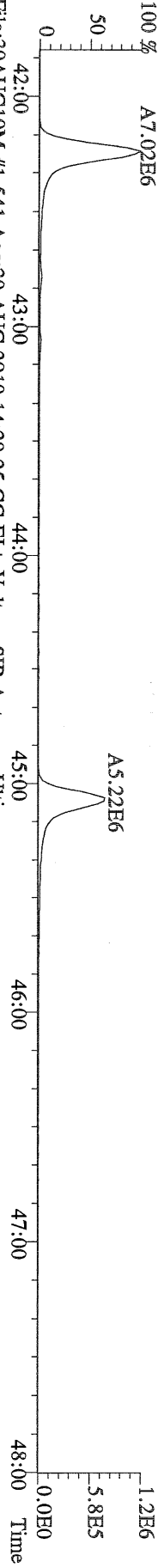
File:30AUG10M #1-477 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



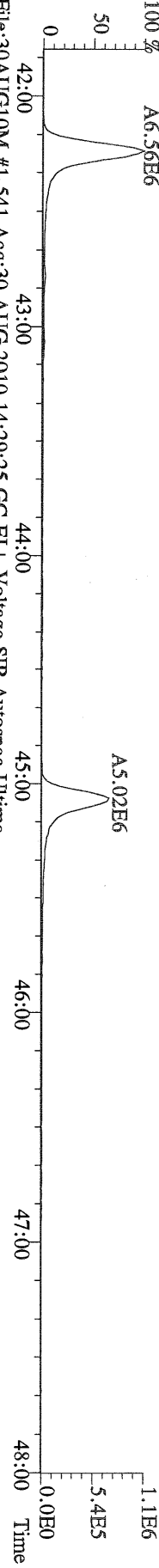
File:30AUG10M #1-477 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



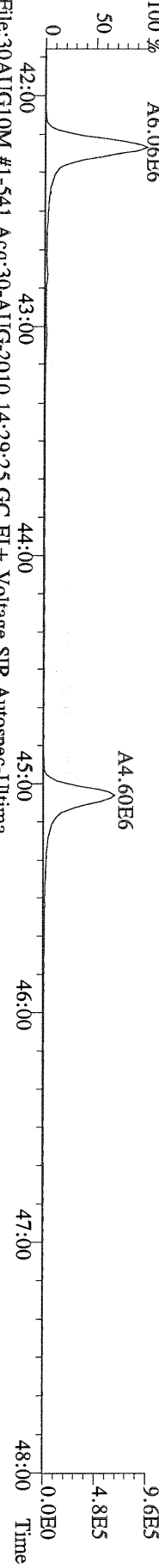
File:30AUG10M #1-541 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Utima
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



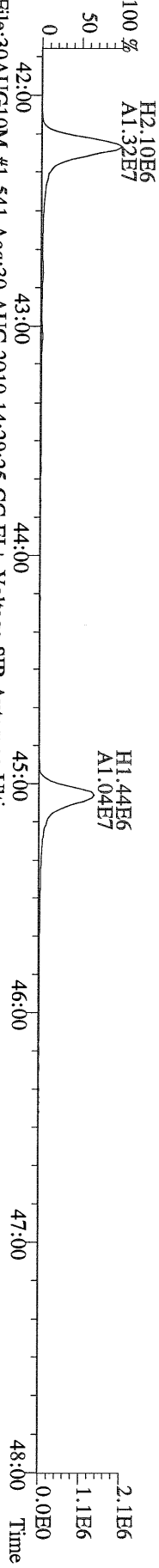
File:30AUG10M #1-541 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Utima
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



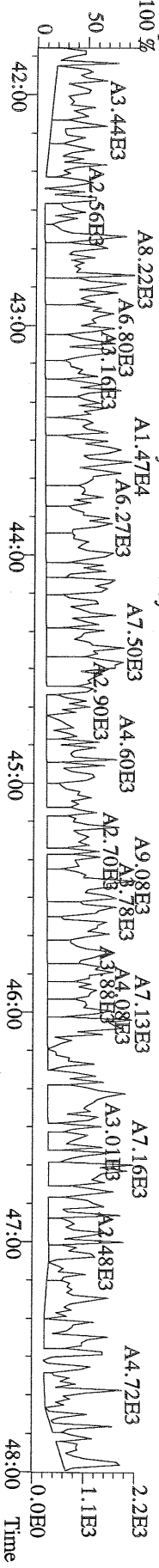
File:30AUG10M #1-541 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Utima
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



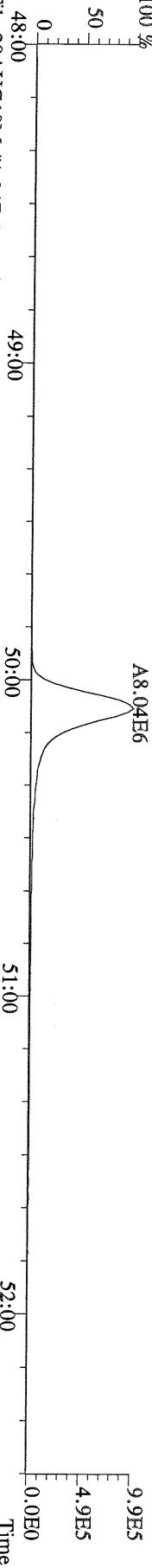
File:30AUG10M #1-541 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Utima
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



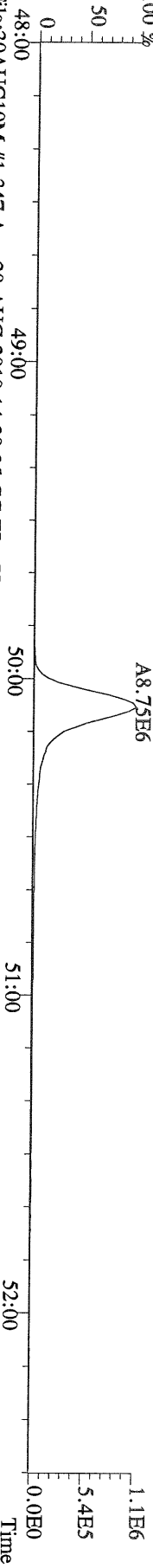
File:30AUG10M #1-541 Acq:30-AUG-2010 14:29:25 GC EI + Voltage SIR Autospec-Utima
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100,0.0,0.00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



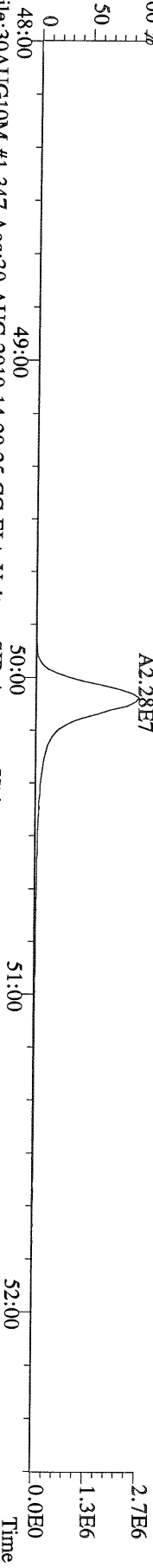
File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



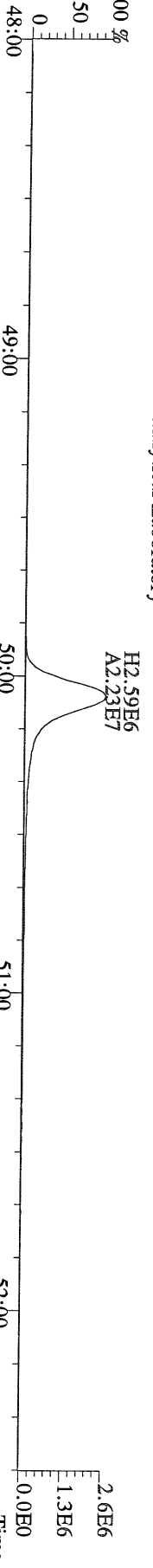
File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory



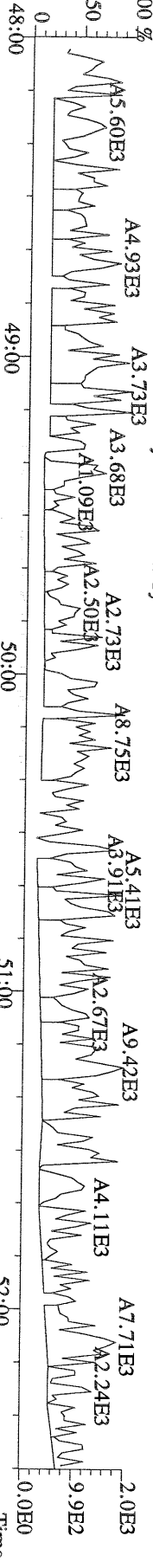
File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory

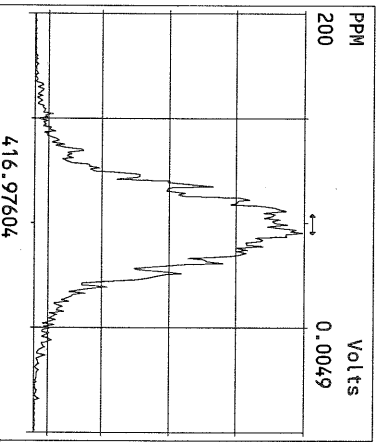
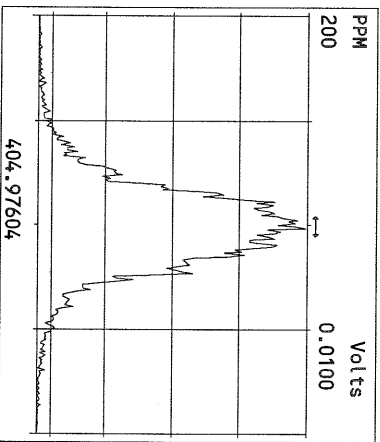
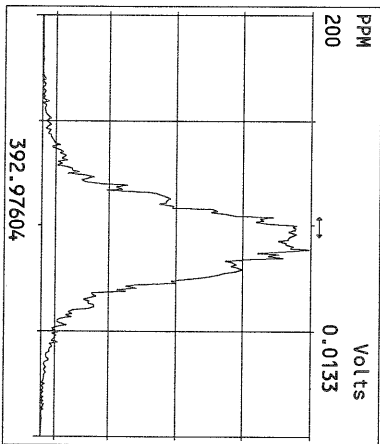
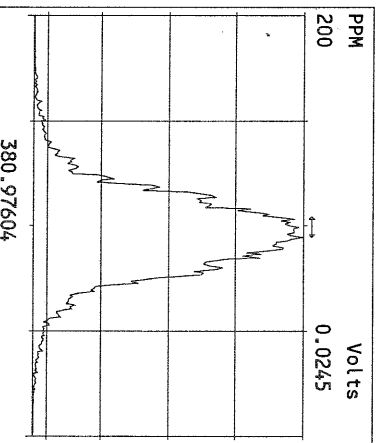
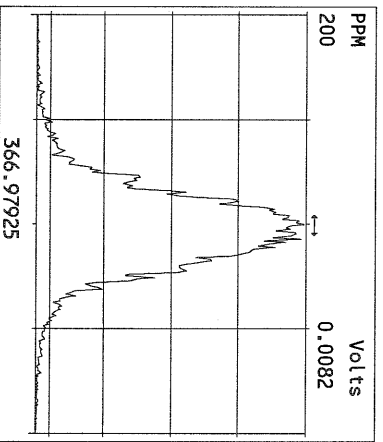
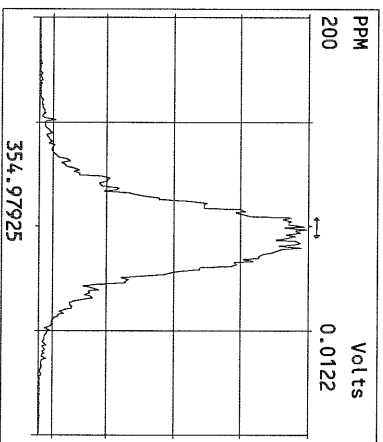
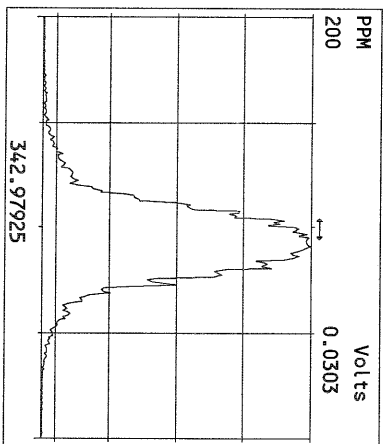
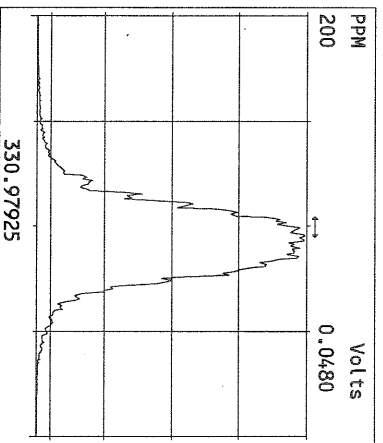
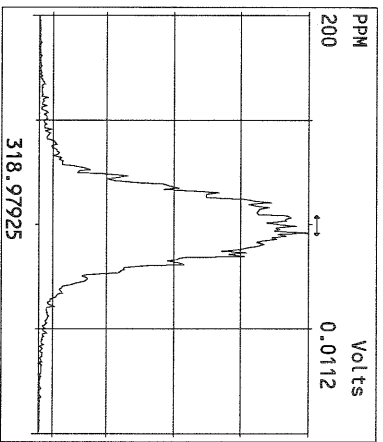
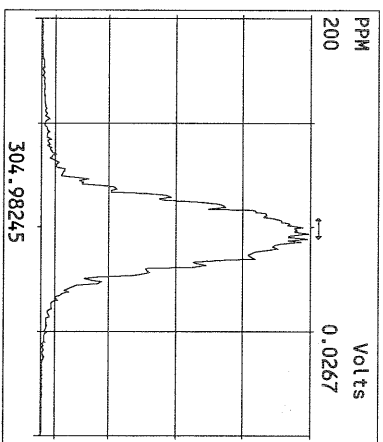
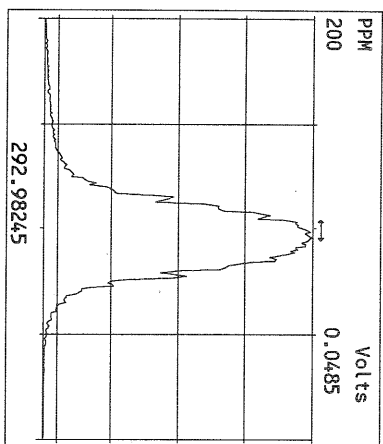


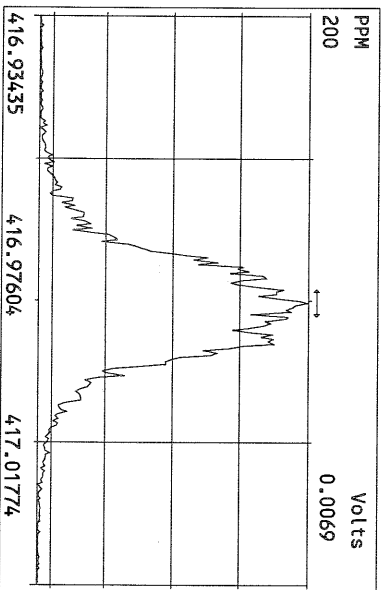
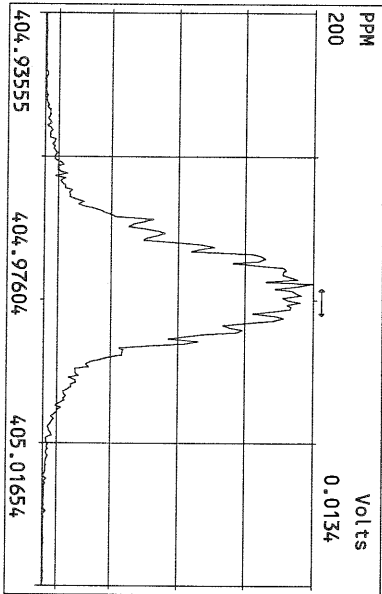
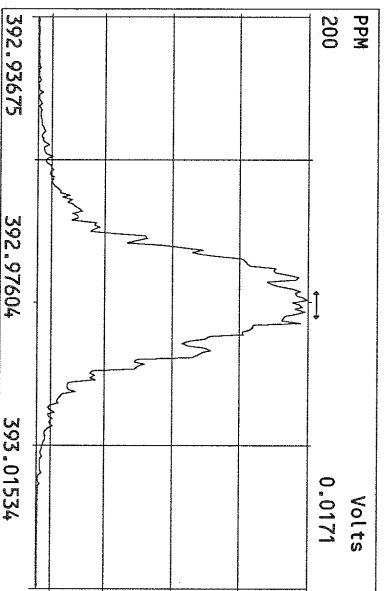
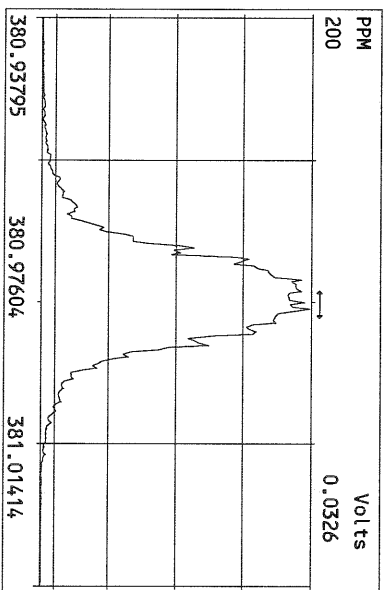
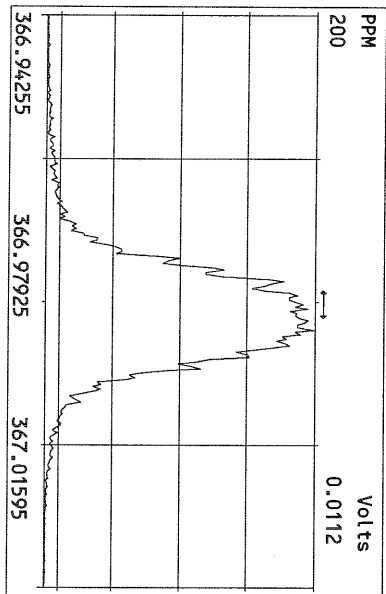
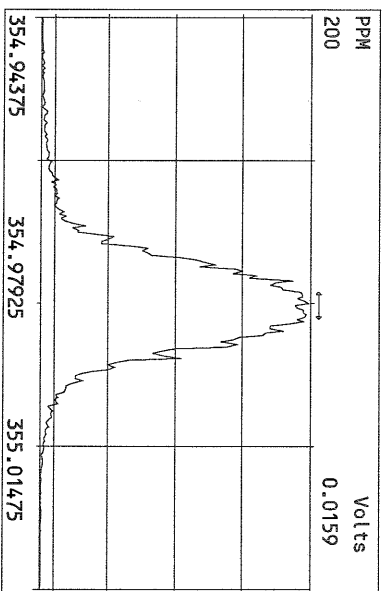
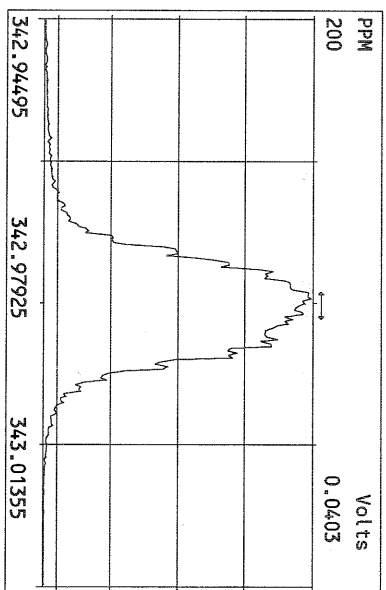
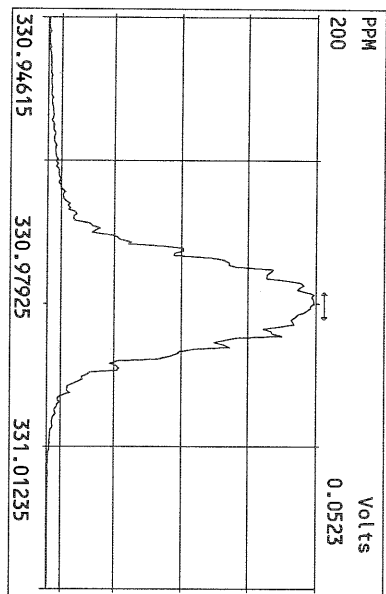
File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory

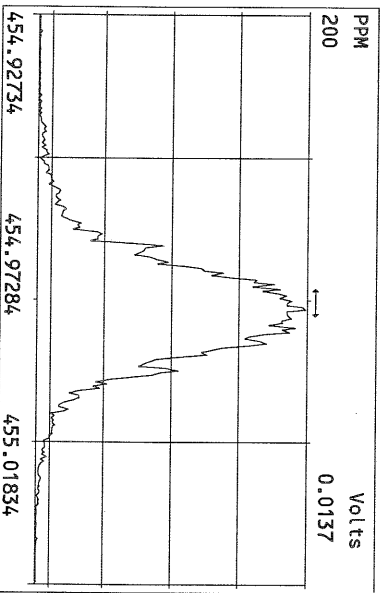
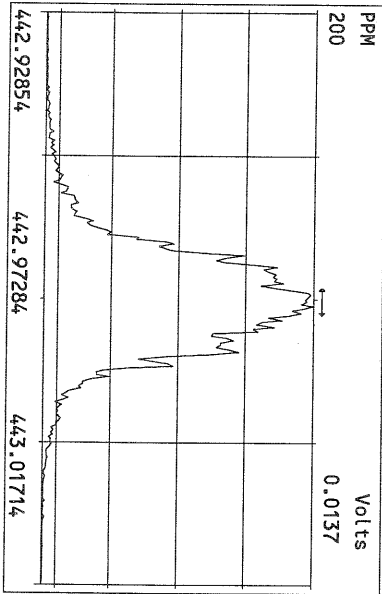
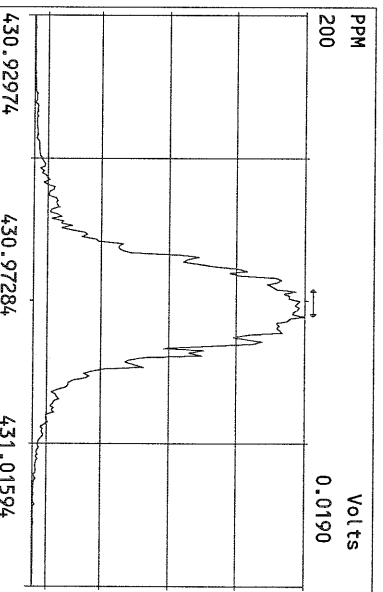
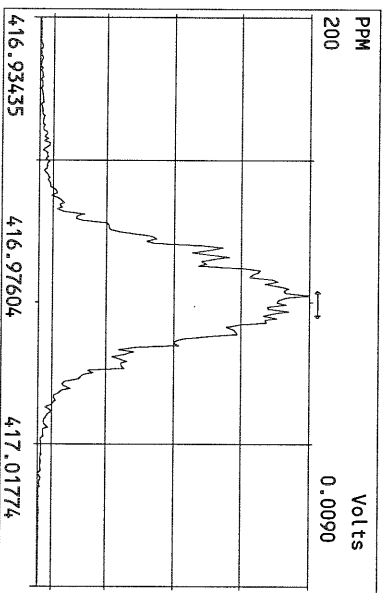
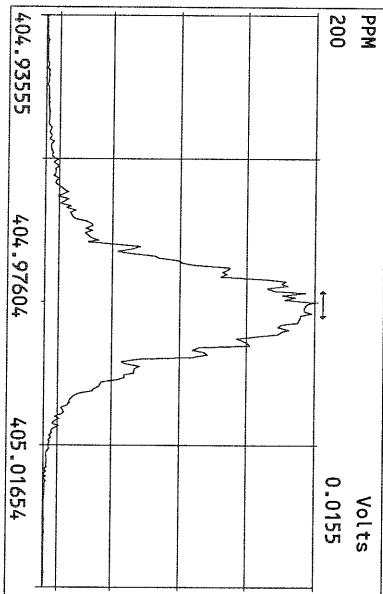
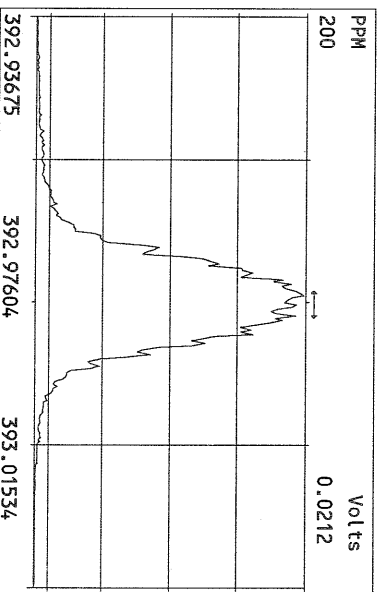
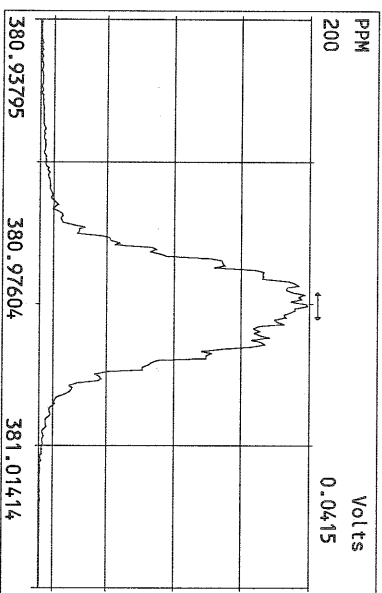
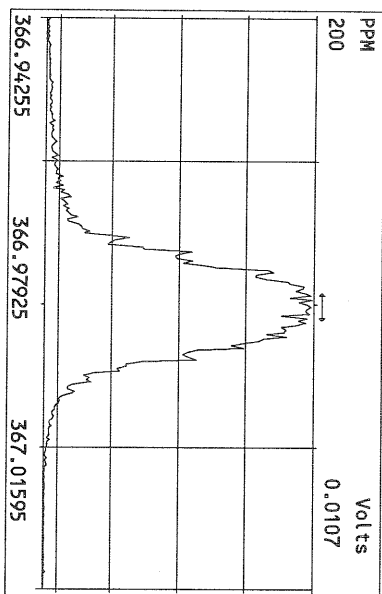


File:30AUG10M #1-347 Acq:30-AUG-2010 14:29:25 GC EI+ Voltage SIR Autospec-Ultima
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100,0,0,00%,F,F) Exp:PCDD
Sample Text:ST083010M1 File Text:Frontier Analytical Laboratory

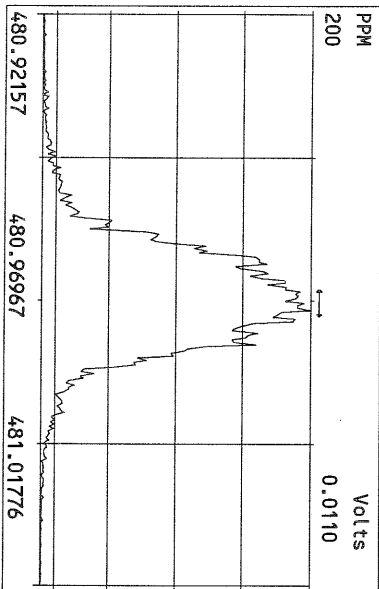
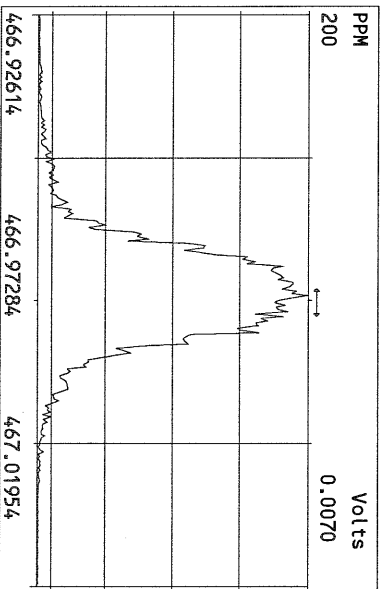
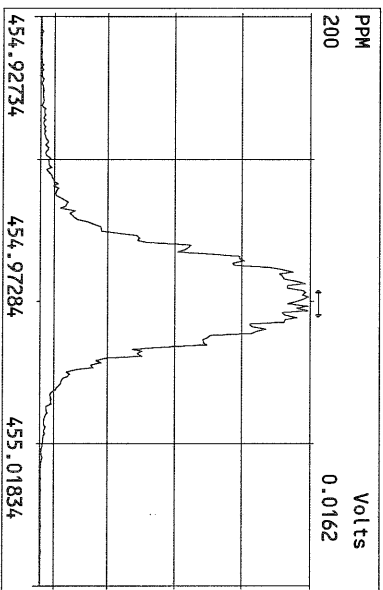
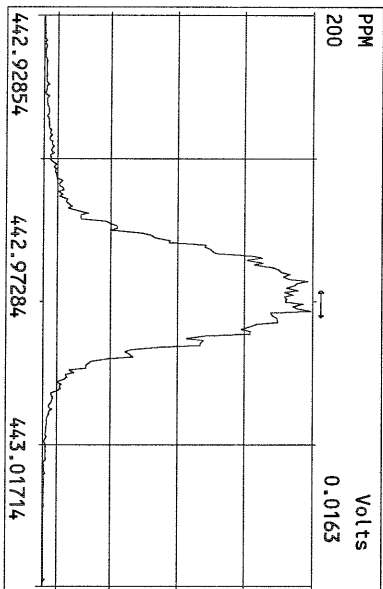
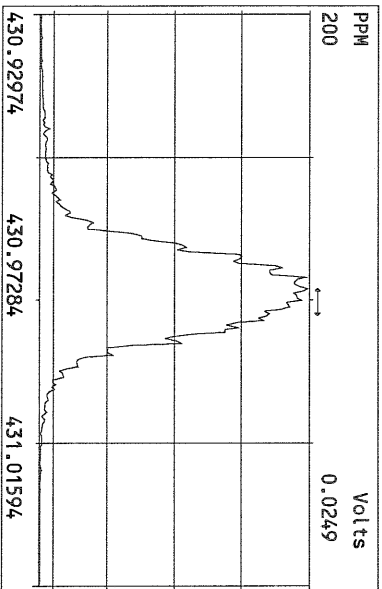
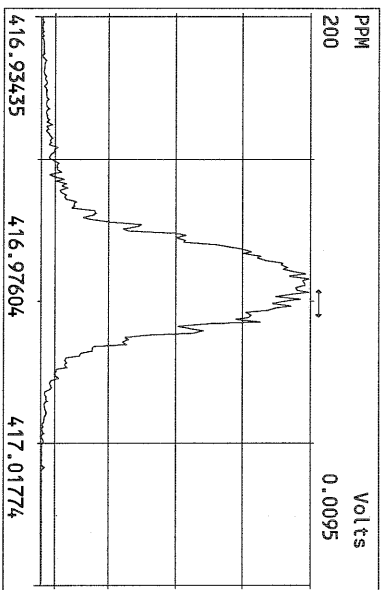
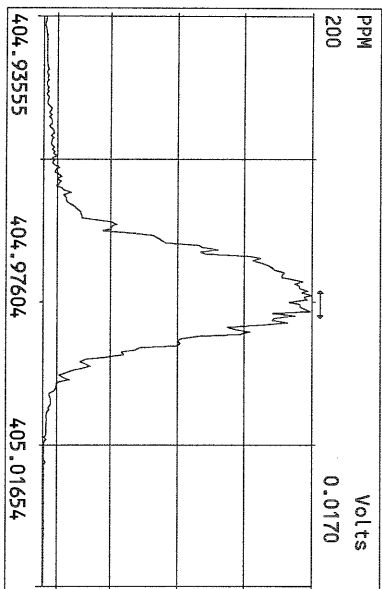








Peak Locate Examination:31-AUG-2010:07:04 File:30AUG10M_RES_CHECK
Experiment:PCDD Function:4 Reference:PFK



Peak Locate Examination:31-AUG-2010:07:04 File:30AUG10M_RES_CHECK
 Experiment:PCDD Function:5 Reference:PFK

