

Geochemical analysis of Alaska North Slope NPR-A oil samples at the Alaska GMC from:

- Umiat (generic) - Nanushuk Reservoir
- U.S. Navy Simpson Core Test No. 27 - Nanushuk Reservoir
- North Slope Borough (U.S. Navy) South Barrow No. 12 – Sag River Reservoir



Received December 2007

Alaska Geologic Materials Center Data Report No. 351

Total of 72 pages in report

NPR-A Oil Samples – Provided by the GMC

- Umiat (generic) - Nanushuk Reservoir
- Simpson Core Test #27 - Nanushuk Reservoir
- South Barrow #12 - Sag River Reservoir

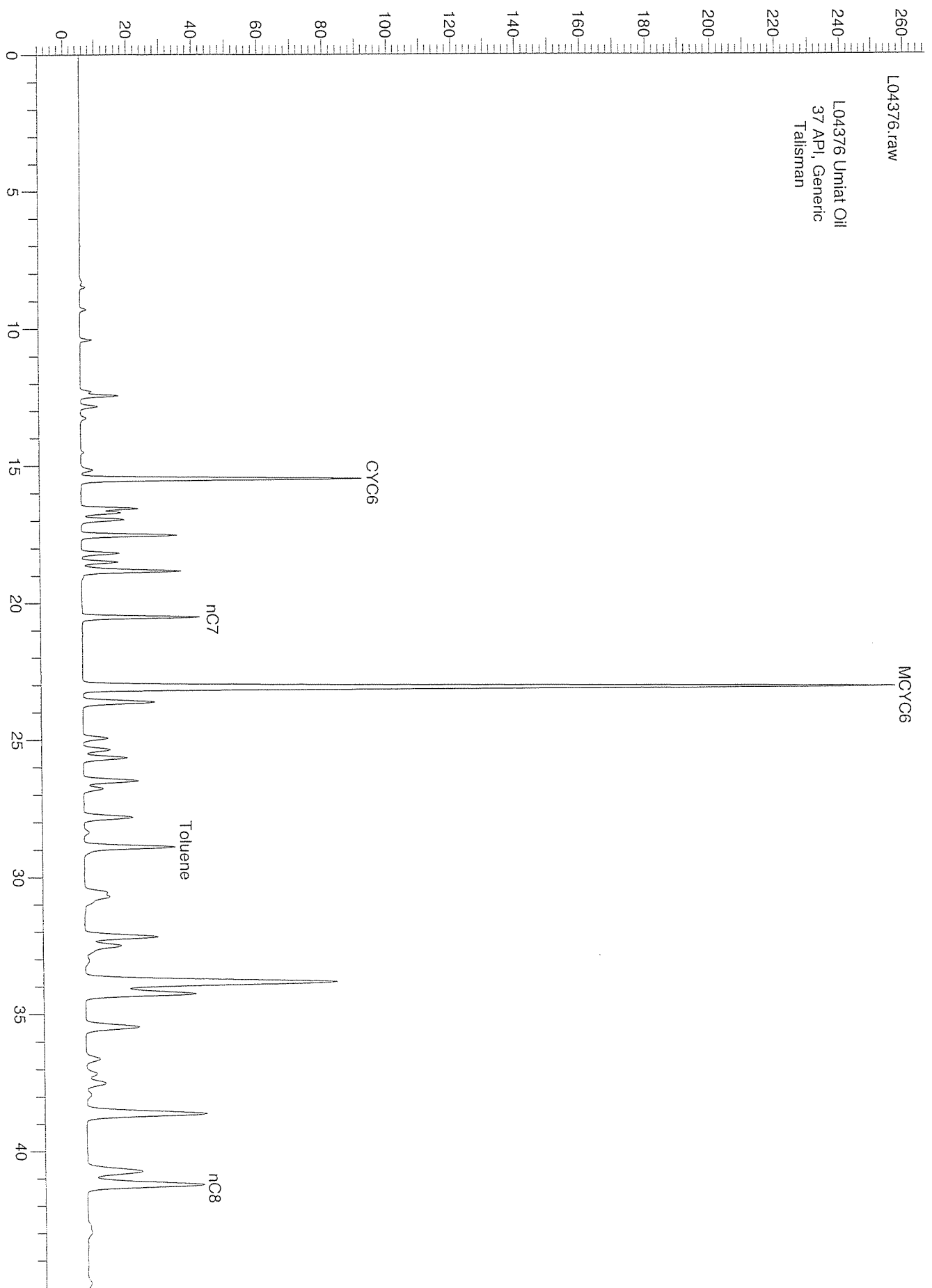
Analysis by: *Organic Geochemistry Laboratory
GSC, Calgary, Canada*

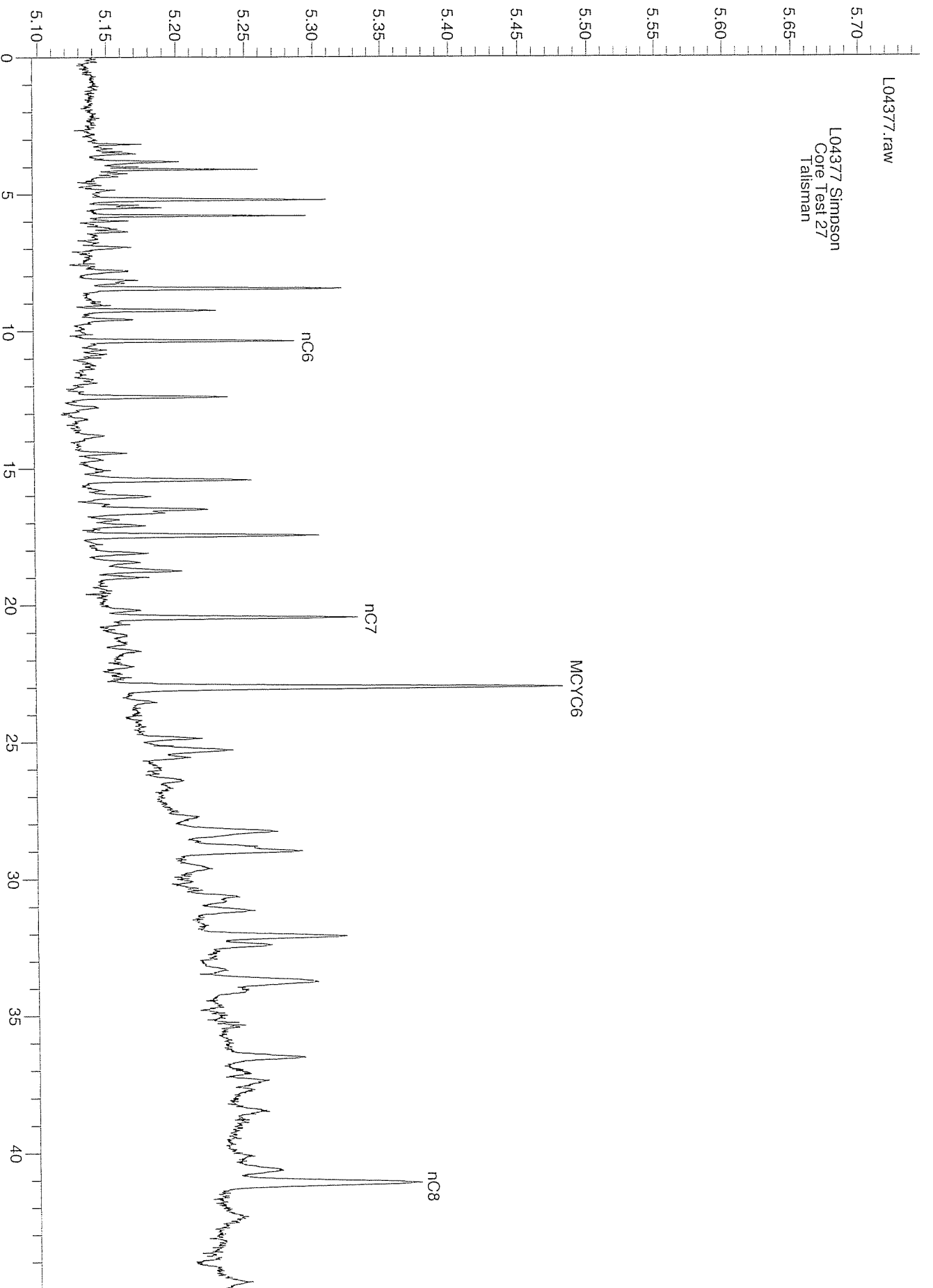
November, 2007

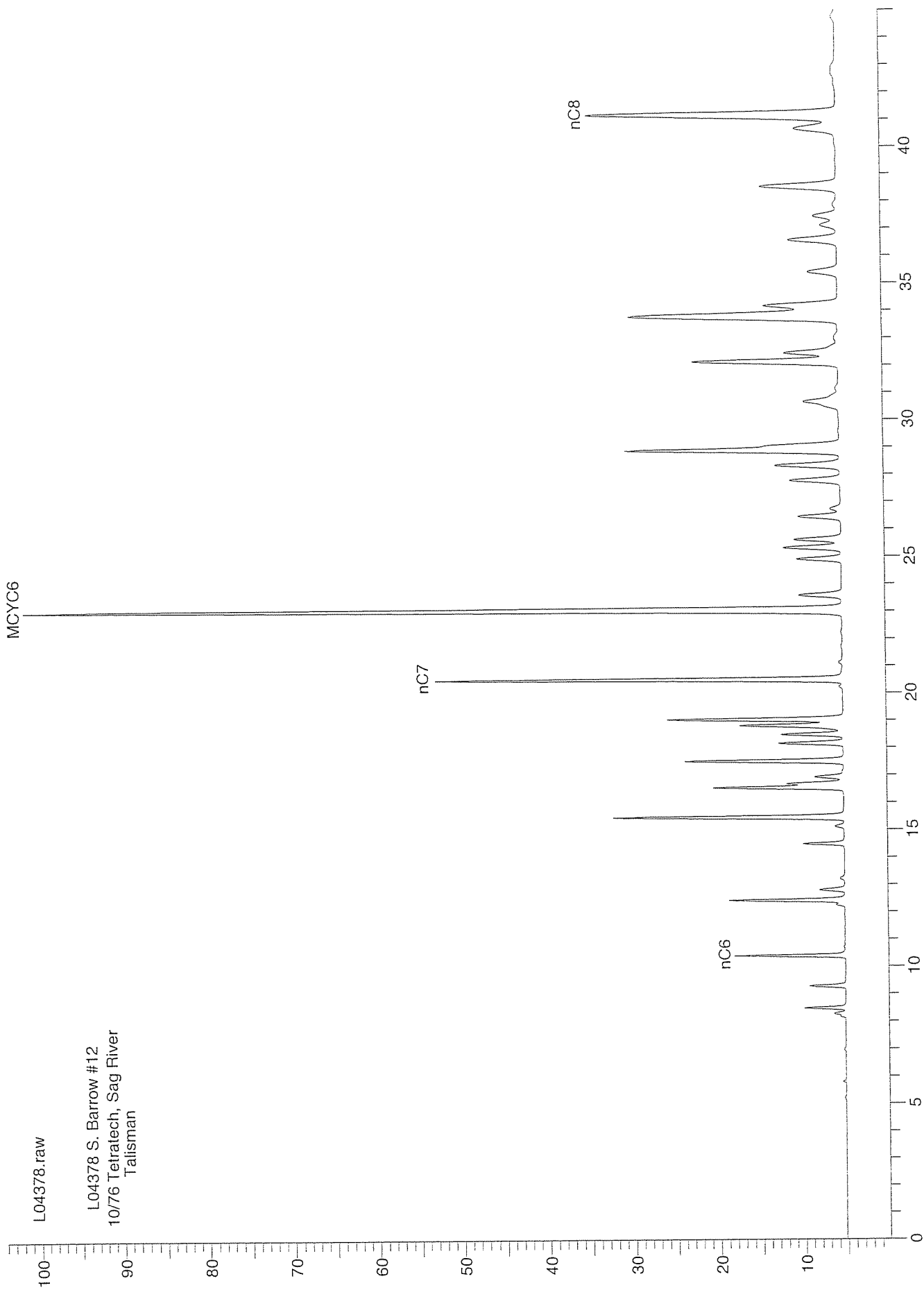
Alaska: NPR-A Oil Samples

In October 2006 FEX L.P. accessed three small NPR-A oil samples from the GMC. The samples were sent to the Organic Geochemistry Laboratory at the GSC in Calgary for detailed geochemical analysis. The results from this study are enclosed.

Umiat oil	L04376
Simpson Core test #27	L04377
S.Barrow#12(SagTetrach)	L04378







Software Version : 6.2.0.0.0:B27
 Operator : mmilovic
 Sample Number : 611
 AutoSampler : NONE
 Instrument Name : C5C8
 Interface Serial # : 6345272809
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 ul
 Sample Amount : 1.0000
 Data Acquisition Time : 19/10/2006 3:13:30 PM

Date : 20/10/2006 8:57:15 AM
 Sample Name : L04376
 Study : Misc-C5C8
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 45.00 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 2

Raw Data File : \\s5-cal-tiger\dat\misc\c5c8\L04376.raw

Result File : \\s5-cal-tiger\dat\Misc\C5C8\L04376.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\misc\c5c8\L04376.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04376.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04376.rst [Editing in Progress]

Report Format File: \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8.rpt

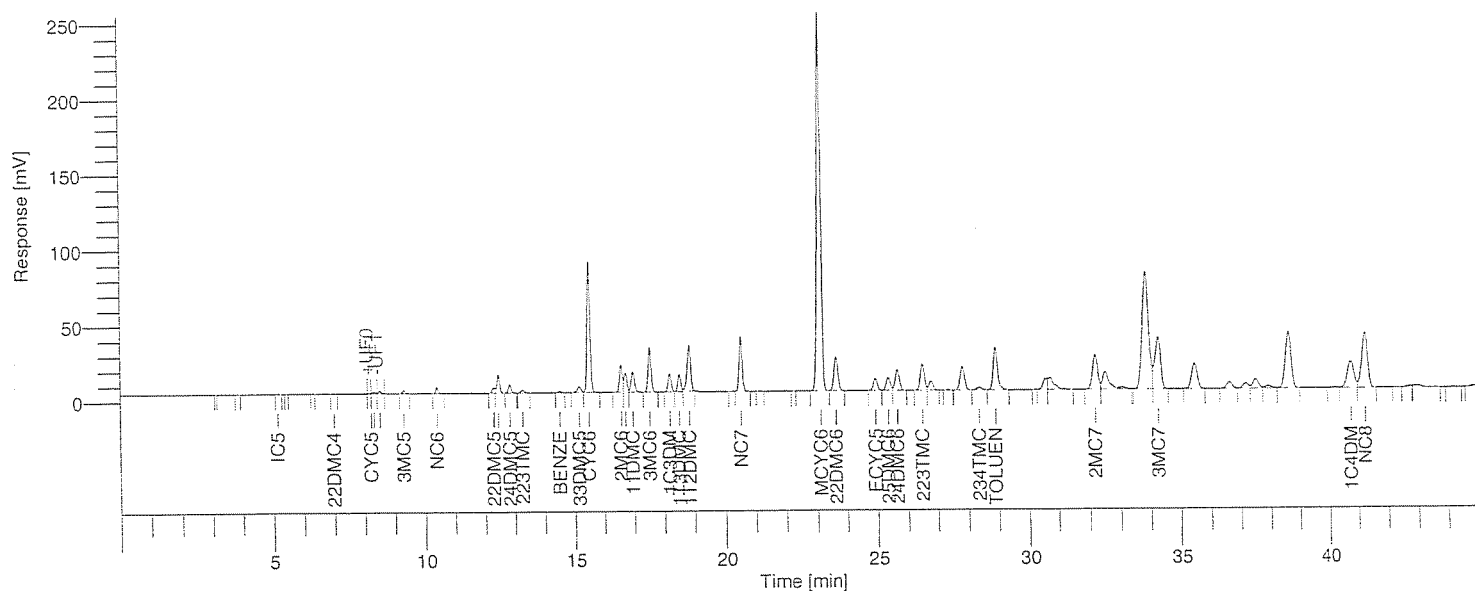
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\C5C8\Misc.seq

Sample Notes:

L04376 Umiat Oil

37 API, Generic

Talisman



GASOLINE ANALYSIS

ORGANIC GEOCHEMISTRY LAB
 GSC CALGARY

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
3	5.142	iC5	385.81	82.29	0.01
6	6.988	22DMC4	1030.03	179.65	0.02
7	8.212	CYC5	737.90	202.00	0.01
8	8.300	23DMC4	6034.72	910.86	0.09
9	8.493	2MC5	9861.69	1794.50	0.15
10	9.295	3MC5	12473.27	2143.68	0.18
11	10.394	nC6	20522.44	3911.97	0.30
12	12.284	22DMC5	22039.38	3549.52	0.33
13	12.436	MCYC5	77378.93	12011.77	1.14
14	12.827	24DMC5	37611.22	5447.36	0.56
15	13.250	223TMC4	14278.88	1814.15	0.21

20/10/2006 8:57:15 AM Result: \\s5-cal-tiger\dat\Misc\C5C8\L04376.rst

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
16	14.501	Benzene	5761.88	1003.14	0.09
17	15.151	33DMC5	33910.79	3911.66	0.50
18	15.485	CYC6	612320.40	86480.34	9.04
19	16.557	2MC6	123185.52	17920.97	1.82
20	16.707	23DMC5	88788.04	12486.56	1.31
21	16.955	11DMCYC5	107783.37	13516.12	1.59
22	17.523	3MC6	207783.83	29757.72	3.07
23	18.174	1c3DMCYC5	83184.16	11807.06	1.23
24	18.497	1t3DMCYC5	78709.46	11246.31	1.16
25	18.830	1t2DMCYC5	252083.12	30531.88	3.72
27	20.509	nC7	252883.29	36428.33	3.73
30	23.119	MCYC6	2235455.78	250913.09	33.00
31	23.623	22DMC6	210111.55	22367.40	3.10
32	24.934	ECYC5	68475.58	7981.04	1.01
33	25.354	25DMC6	79438.18	8565.45	1.17
34	25.653	24DMC6	130409.18	13908.92	1.93
35	26.487	223TMC5	169393.83	17367.54	2.50
39	28.356	234TMC5	18145.05	1703.95	0.27
40	28.894	Toluene	286325.08	28324.82	4.23
45	32.180	2MC7	266714.56	23012.47	3.94
49	34.257	3MC7	460720.77	34378.85	6.80
57	40.735	1c4DMCYC6	277697.72	17441.05	4.10
58	41.228	nC8	522317.54	36481.09	7.71
			6773952.95	749583.52	

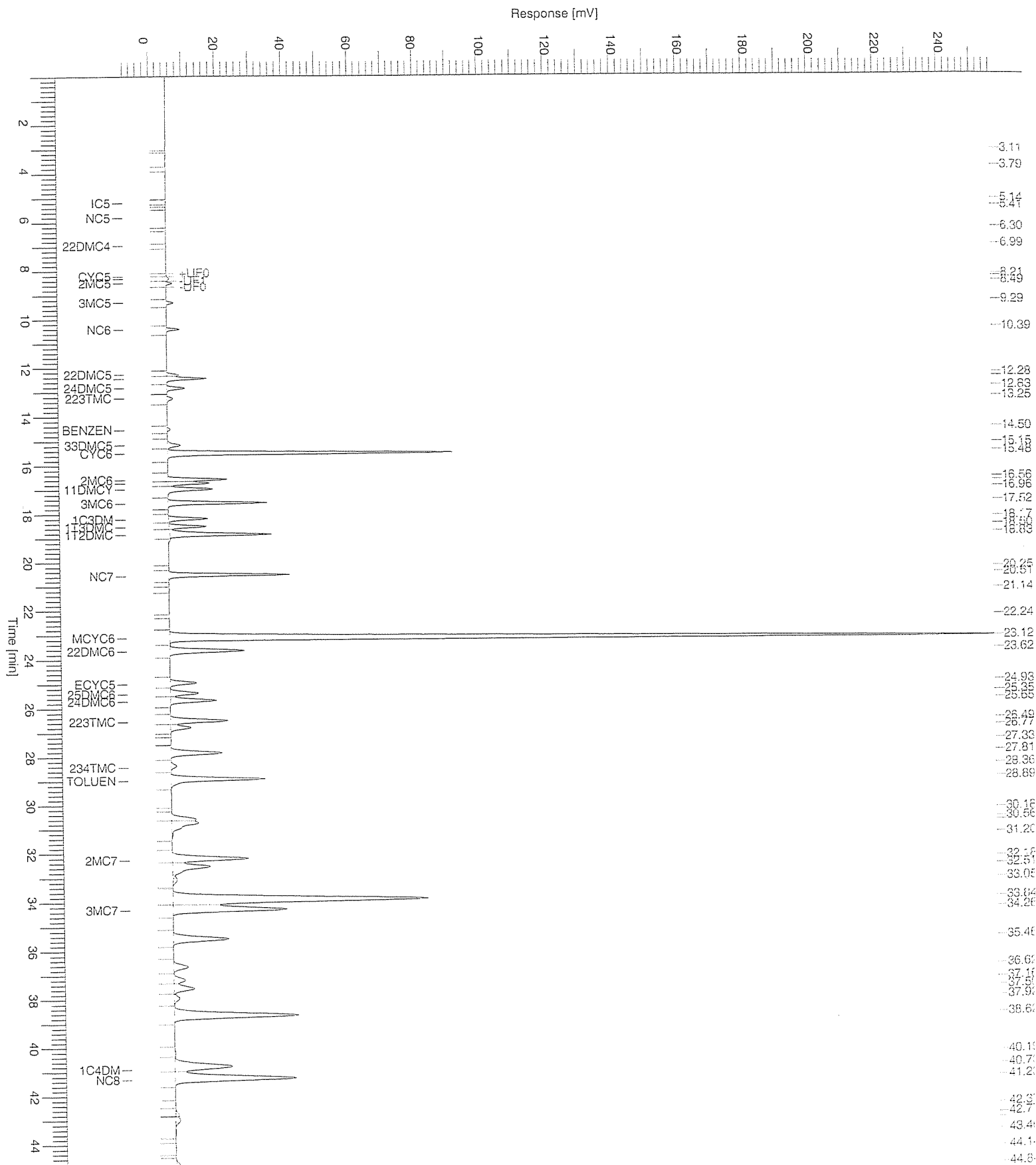
Missing Component Report

Component Expected Retention (Calibration File)

nC5	5.809
-----	-------

Chromatogram

Sample Name : L04376 Sample #: 611 Page 1 of 1
FileName : \\s5-cal-tiger\data\misc\c5c8\L04376.raw
Date : 20/10/2006 8:57:17 AM
Method : Time of Injection: 19/10/2006 3:13:30 PM
Start Time : 0.00 min End Time : 45.00 min Low Point : -8.02 mV High Point : 256.26 mV
Plot Offset: -8.02 mV Plot Scale: 264.3 mV



Software Version : 6.2.0.0.0:B27
 Operator : mmilovic
 Sample Number : 612
 AutoSampler : NONE
 Instrument Name : C5C8
 Interface Serial # : 6345272809
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 ul
 Sample Amount : 1.0000
 Data Acquisition Time : 20/10/2006 1:17:33 PM

Date : 23/10/2006 9:00:40 AM
 Sample Name : I04377
 Study : Misc-C5C8
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 45.00 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 1

Raw Data File : \\s5-cal-tiger\dat\misc\c5c8\L04377.raw

Result File : \\s5-cal-tiger\dat\Misc\C5C8\L04377.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\misc\c5c8\L04377.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04377.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04377.rst [Editing in Progress]

Report Format File : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8.rpt

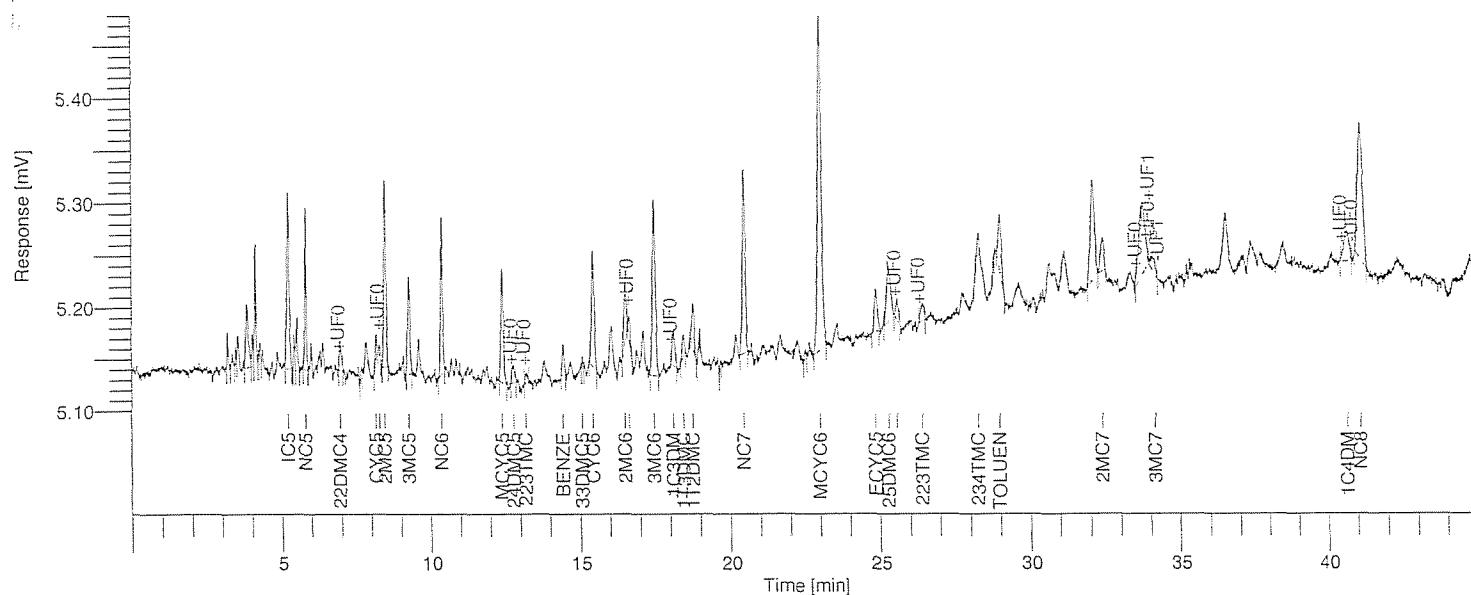
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\C5C8\Misc.seq

Sample Notes:

L04377 Simpson

Core Test 27

Talisman



GASOLINE ANALYSIS

ORGANIC GEOCHEMISTRY LAB
 GSC CALGARY

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
8	5.201	iC5	886.47	170.00	5.73
11	5.789	nC5	546.04	156.02	3.53
12	6.947	22DMC4	136.49	29.43	0.88
16	8.457	2MC5	930.03	179.67	6.02
17	9.256	3MC5	512.54	94.56	3.32
18	10.359	nC6	734.65	151.14	4.75
19	12.389	MCYC5	657.26	108.79	4.25
20	12.783	24DMC5	106.60	17.43	0.69
22	14.437	Benzene	143.89	29.64	0.93
24	15.422	CYC6	744.06	111.60	4.81
25	16.497	2MC6	304.79	55.24	1.97

23/10/2006 9:00:40 AM Result: \\s5-cal-tiger\dat\Misc\C5C8\L04377.rst

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
27	17.456	3MC6	1206.77	169.10	7.81
28	18.102	1c3DMCYC5	206.53	35.89	1.34
29	18.441	1t3DMCYC5	117.49	20.92	0.76
30	18.750	1t2DMCYC5	239.11	41.25	1.55
33	20.447	nC7	1152.81	175.14	7.46
35	22.986	MCYC6	2889.77	321.50	18.69
36	24.853	ECYC5	271.78	40.15	1.76
37	25.288	25DMC6	507.26	51.86	3.28
38	25.561	24DMC6	121.95	21.36	0.79
39	26.403	223TMC5	130.04	16.81	0.84
40	28.263	234TMC5	116.17	17.03	0.75
42	28.977	Toluene	415.68	51.70	2.69
44	32.393	2MC7	247.19	29.12	1.60
46	34.147	3MC7	144.25	15.33	0.93
47	40.627	1c4DMCYC6	367.06	30.00	2.37
48	41.076	nC8	1623.93	128.96	10.50
			15460.61	2269.64	

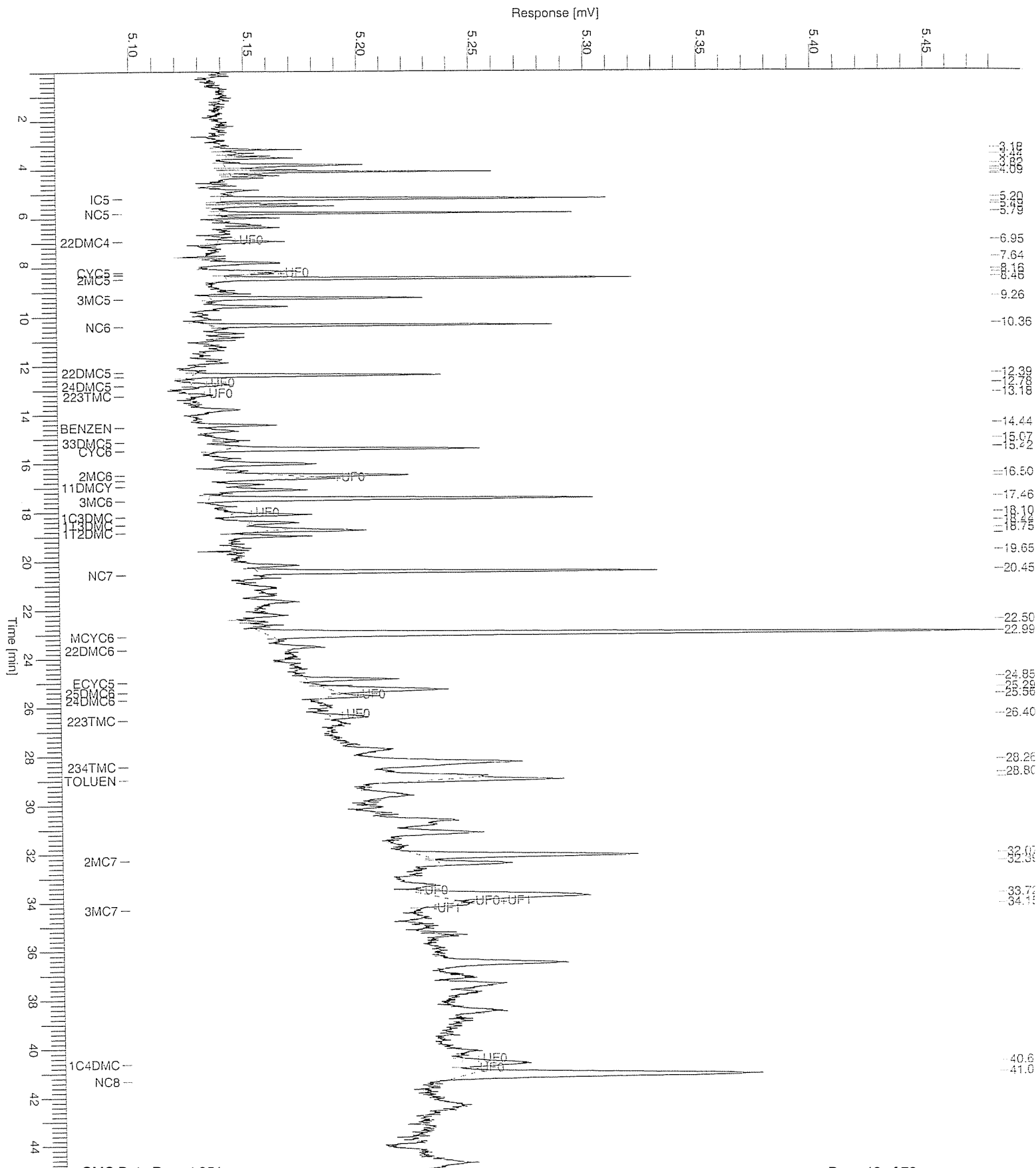
Missing Component Report

Component Expected Retention (Calibration File)

22DMC5	12.274
11DMCYC5	16.965
22DMC6	23.655

Chromatogram

Sample Name : I04377 Sample #: 612 Page 1 of 1
 FileName : \\s5-cal-tiger\data\misc\c5c8\L04377.raw
 Date : 23/10/2006 9:00:42 AM
 Method : Time of Injection: 20/10/2006 1:17:33 PM
 Start Time : 0.00 min End Time : 45.00 min Low Point : 5.10 mV High Point : 5.48 mV
 Plot Offset: 5.10 mV Plot Scale: 0.4 mV



Software Version : 6.2.0.0.0:B27
 Operator : mmilovic
 Sample Number : 613
 AutoSampler : NONE
 Instrument Name : C5C8
 Interface Serial # : 6345272809
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 ul
 Sample Amount : 1.0000
 Data Acquisition Time : 20/10/2006 2:20:11 PM

Date : 23/10/2006 9:03:18 AM
 Sample Name : L04378
 Study : Misc-C5C8
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 45.00 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 2

Raw Data File : \\s5-cal-tiger\dat\misc\c5c8\L04378.raw

Result File : \\s5-cal-tiger\dat\Misc\C5C8\L04378.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\misc\c5c8\L04378.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04378.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8 from \\s5-cal-tiger\dat\Misc\C5C8\L04378.rst [Editing in Progress]

Report Format File : \\s5-cal-tiger\PenExe\TcCS\Methods\C5C8\c5c8.rpt

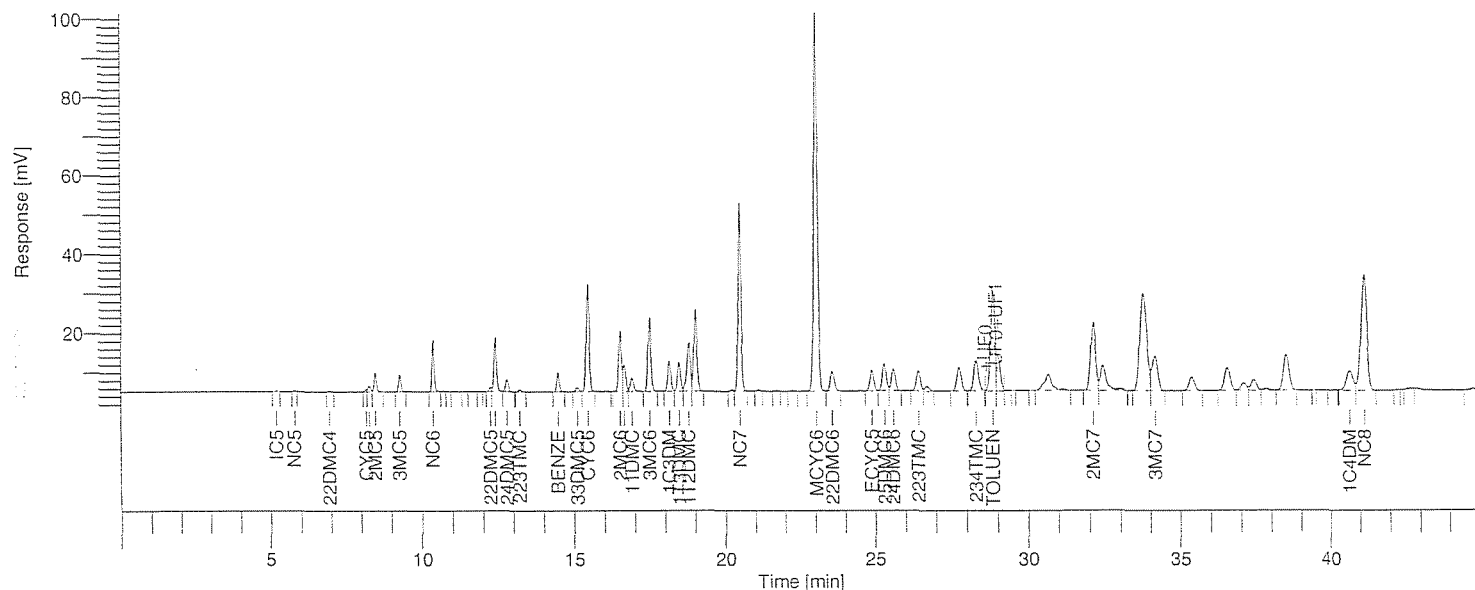
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\C5C8\Misc.seq

Sample Notes:

L04378 S. Barrow #12

10/76 Tetrattech, Sag River

Talisman



GASOLINE ANALYSIS

ORGANIC GEOCHEMISTRY LAB
 GSC CALGARY

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
1	5.205	iC5	926.40	176.50	0.03
2	5.796	nC5	1365.02	401.67	0.04
3	6.960	22DMC4	1325.91	237.03	0.04
4	8.176	CYC5	2558.57	641.92	0.07
5	8.274	23DMC4	8420.09	1389.44	0.24
6	8.475	2MC5	26027.44	4925.07	0.73
7	9.276	3MC5	24265.02	4289.94	0.68
8	10.379	nC6	66952.21	13122.00	1.89
13	12.254	22DMC5	5584.52	1034.39	0.16
14	12.417	MCYC5	84732.97	13709.17	2.39
15	12.799	24DMC5	19844.88	2970.16	0.56

23/10/2006 9:03:18 AM Result: \\s5-cal-tiger\dat\Misc\C5C8\L04378.rst

Peak #	Ret Time [min]	Component	Area	Height [uV]	Area [%]
16	13.219	223TMC4	3686.47	541.29	0.10
17	14.482	Benzene	27930.20	4898.75	0.79
18	15.120	33DMC5	7165.62	1043.51	0.20
19	15.454	CYC6	187776.30	27189.51	5.30
21	16.532	2MC6	107072.15	15387.24	3.02
22	16.673	23DMC5	44525.21	6773.62	1.26
23	16.920	11DMCYC5	25356.64	3392.39	0.72
25	17.495	3MC6	130372.28	18727.86	3.68
26	18.147	1c3DMCYC5	54544.13	7692.60	1.54
27	18.470	1t3DMCYC5	52876.18	7380.25	1.49
28	18.797	1t2DMCYC5	102432.14	12242.63	2.89
31	20.487	nC7	330225.28	47796.49	9.32
35	23.049	MCYC6	828904.45	96369.55	23.39
36	23.577	22DMC6	47974.76	5079.24	1.35
37	24.899	ECYC5	45230.86	5294.11	1.28
38	25.314	25DMC6	63184.47	6851.87	1.78
39	25.609	24DMC6	51822.46	5553.28	1.46
40	26.441	223TMC5	49040.28	5071.56	1.38
43	28.315	234TMC5	81629.37	7689.02	2.30
44	28.861	Toluene	243613.07	25353.67	6.88
50	32.125	2MC7	197076.59	17260.53	5.56
55	34.173	3MC7	115329.85	8798.89	3.26
64	40.656	1c4DMCYC6	81010.19	4967.20	2.29
65	41.162	nC8	422318.27	29373.11	11.92
			3543100.25	413625.47	

Missing Component Report

Component Expected Retention (Calibration File)

All components were found

Chromatogram

Sample Name : L04378

Sample #: 613

Page 1 of 1

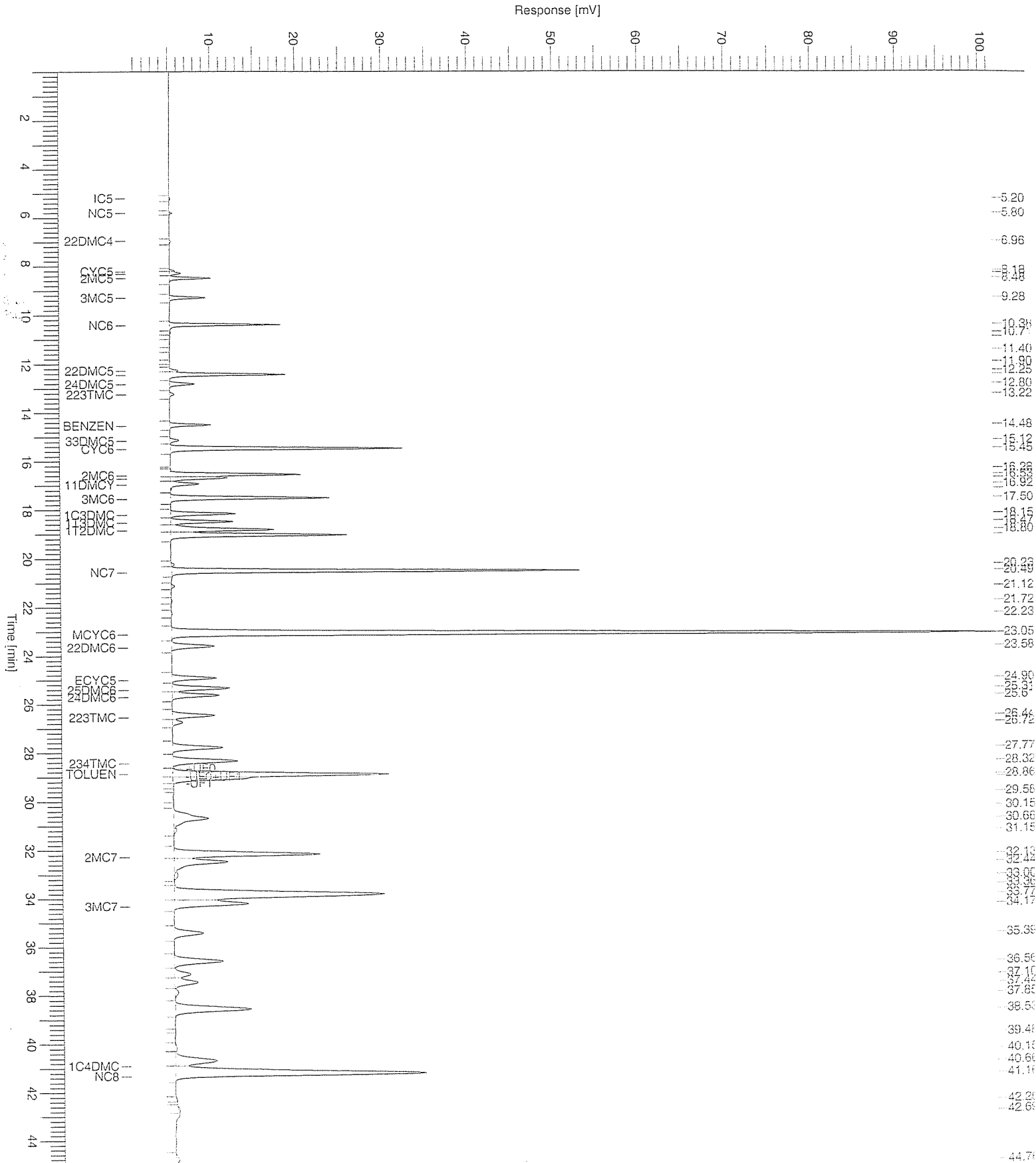
FileName : \\s5-cal-tiger\dat\misc\c5c8\L04378.raw

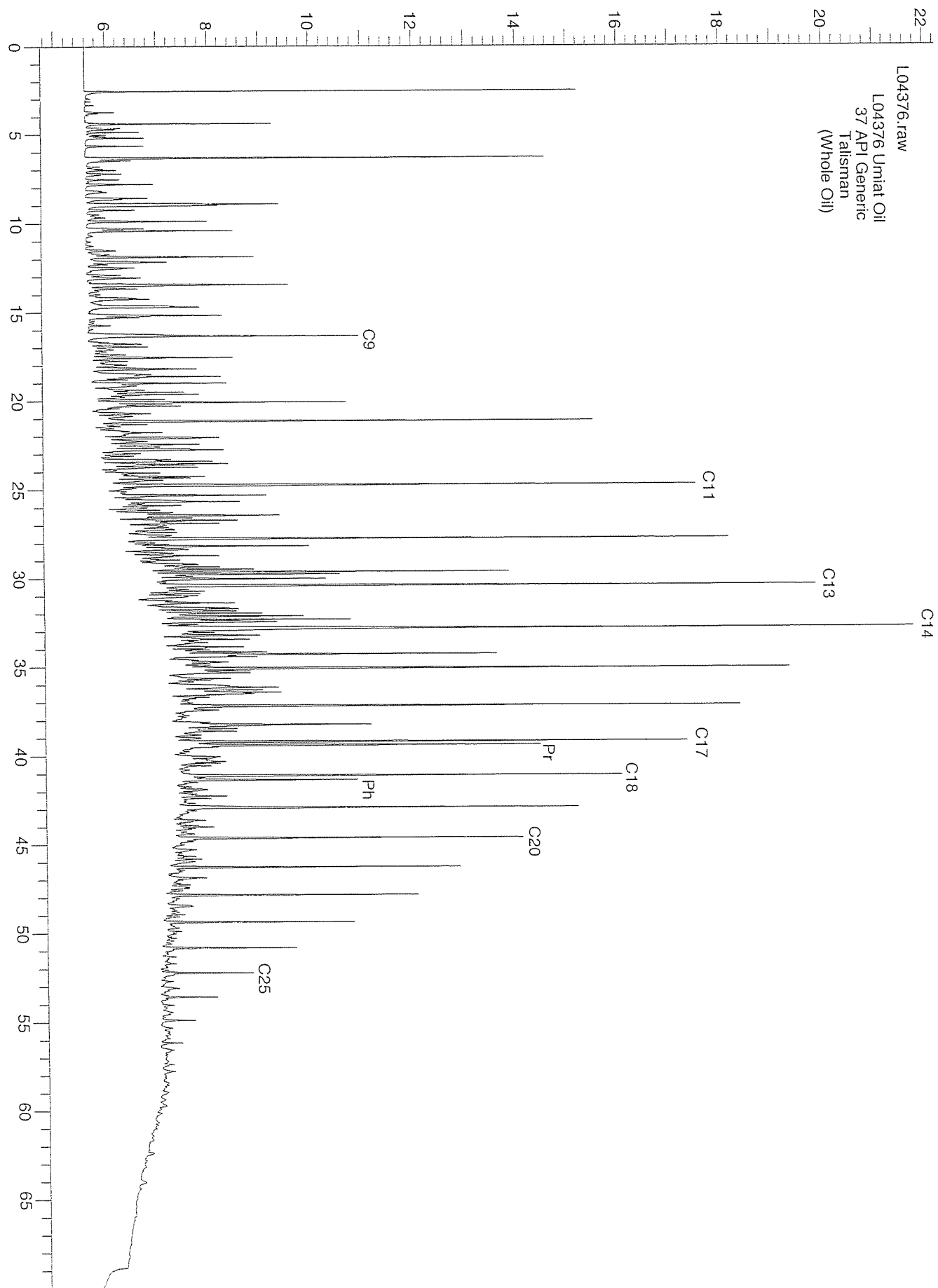
Date : 23/10/2006 9:03:20 AM

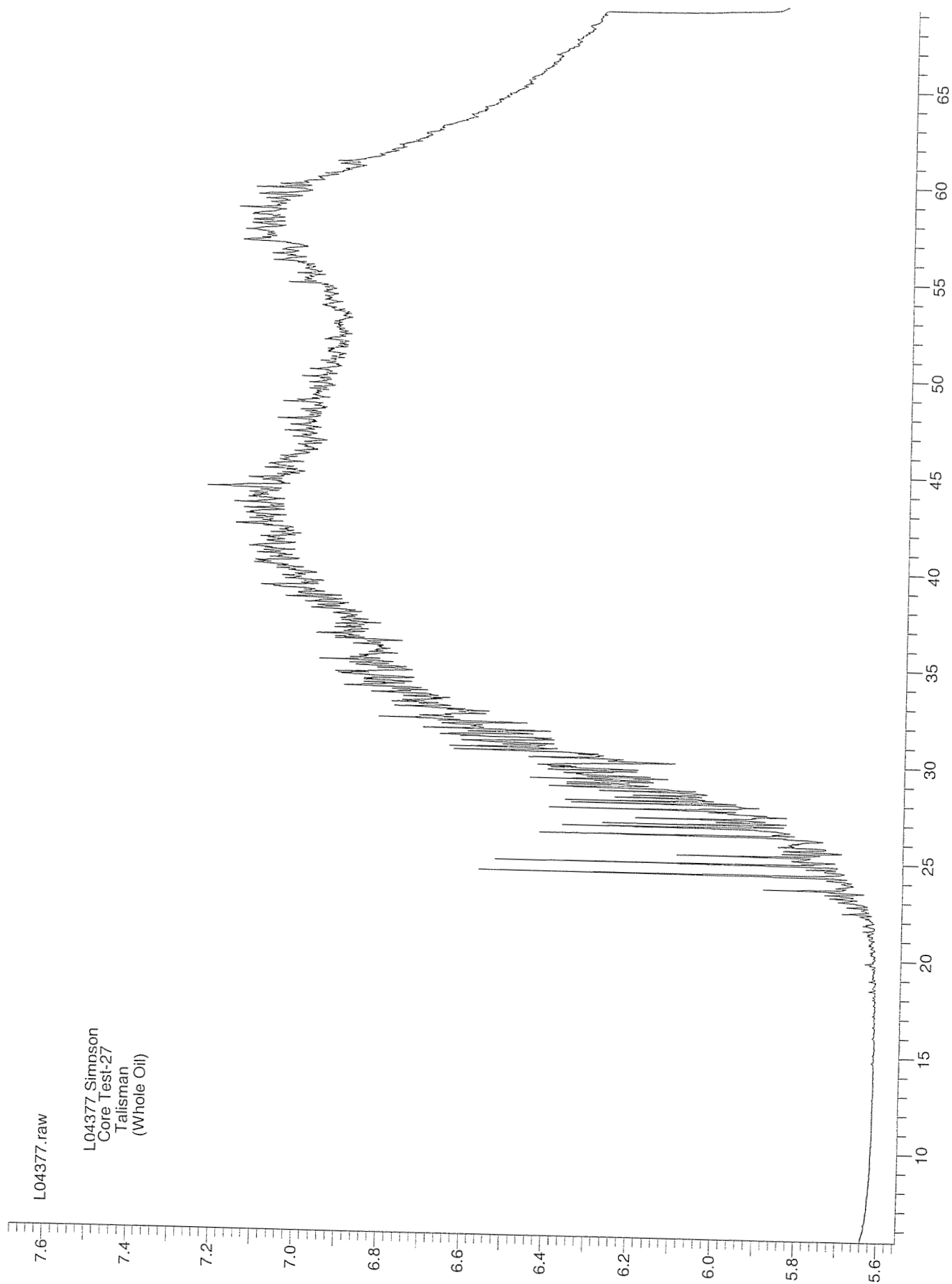
Method : Time of Injection: 20/10/2006 2:20:11 PM

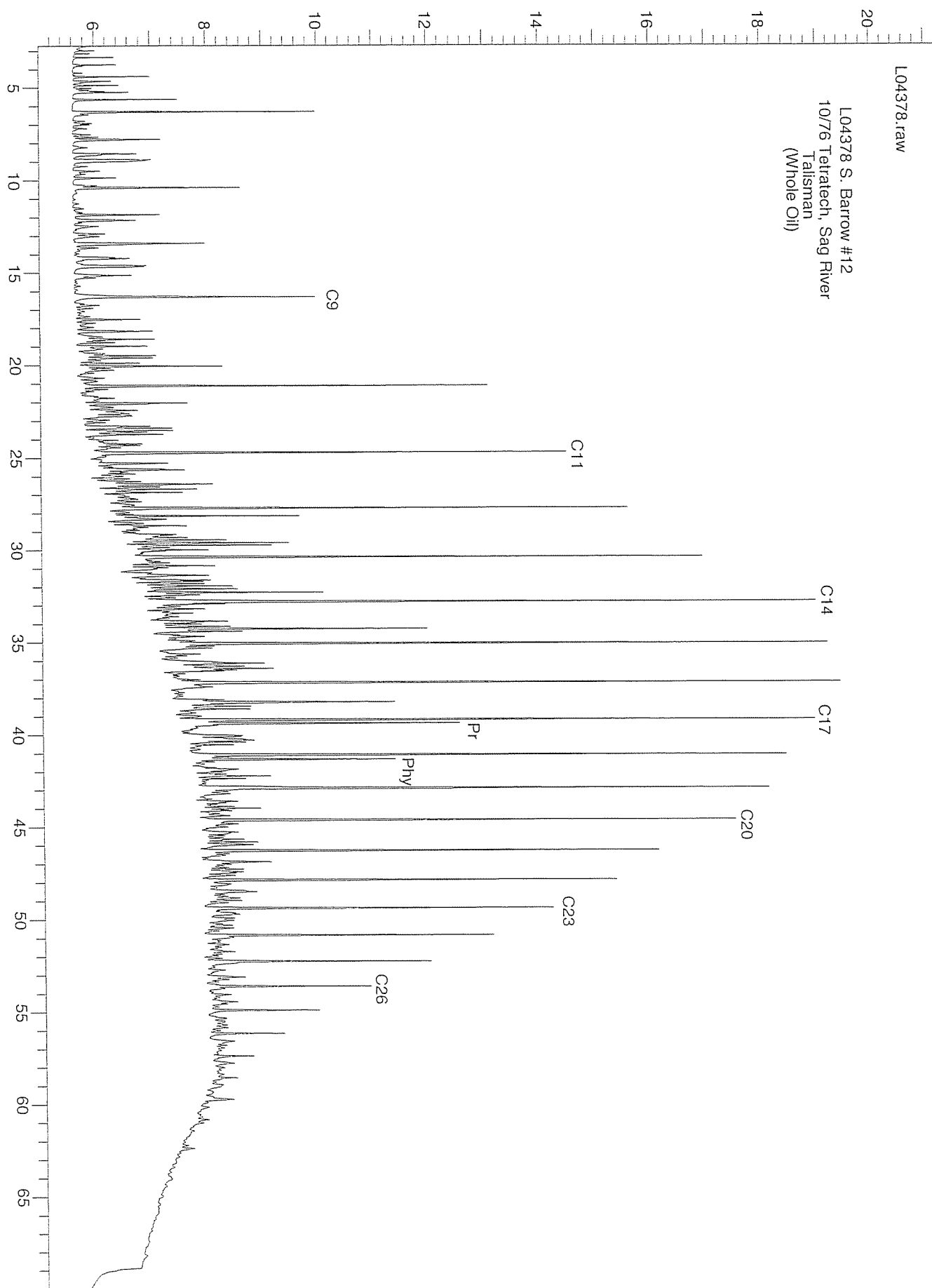
Start Time : 0.00 min End Time : 45.00 min Low Point : 0.10 mV High Point : 101.55 mV

Plot Offset: 0.10 mV Plot Scale: 101.4 mV









Software Version : 6.2.0.0.0:B27
 Operator : mmilovic
 Sample Number : 465
 AutoSampler : NONE
 Instrument Name : N2
 Interface Serial # : 6092271775
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 µL
 Sample Amount : 1.0000
 Data Acquisition Time : 19/10/2006 2:48:18 PM

Date : 20/10/2006 9:20:13 AM
 Sample Name : L04376
 Study : Whole Oil GC
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 70.01 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 1

Raw Data File : \\s5-cal-tiger\dat\misc\wholeoil\L04376.raw

Result File : \\s5-cal-tiger\dat\Misc\wholeoil\L04376.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\misc\wholeoil\L04376.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04376.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04376.rst [Editing in Progress]

Report Format File : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil.rpt

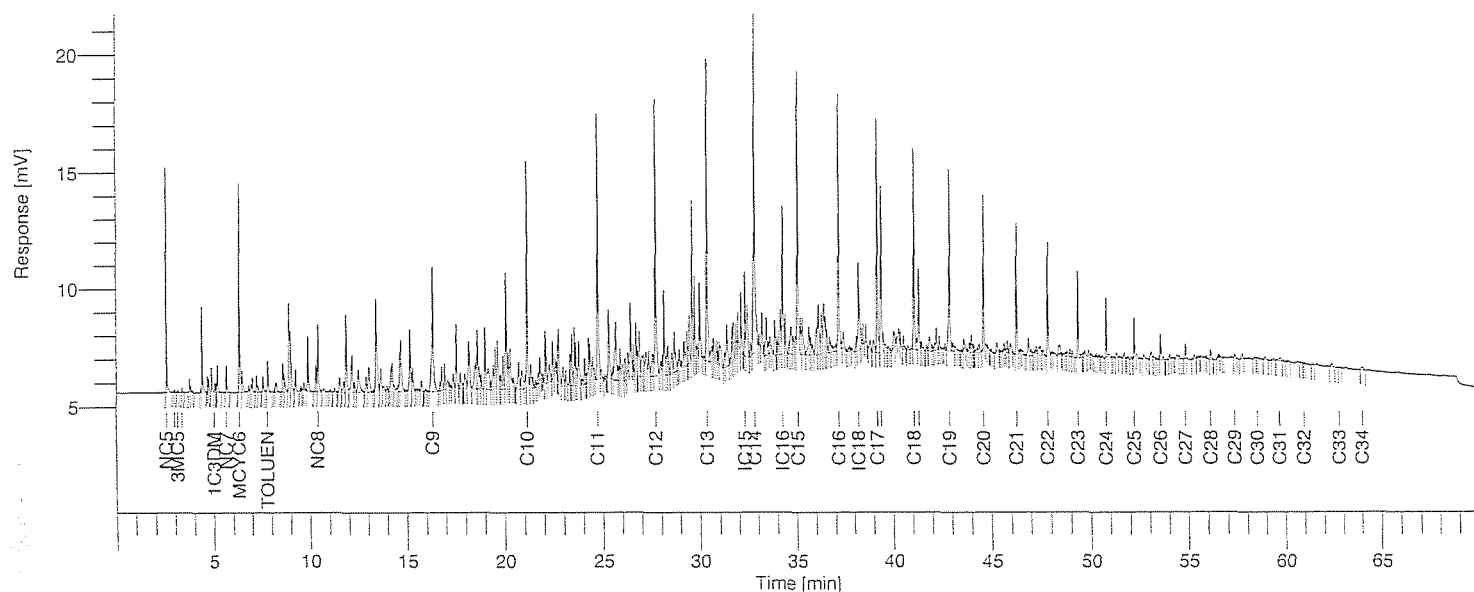
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\wholeoil\wholeoil.seq

Sample Notes:

L04376 Umiat Oil

37 API, Generic

Talisman



WHOLE OIL REPORT

Organic Geochemistry Labs

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]
-	2.442	iC5	0.00	0.00	0.00	0.00
1	2.553	nC5	16198.84	9385.91	2.32	2.32
-	2.800	22DMC4	0.00	0.00	0.00	0.00
3	2.971	2MC5	198.60	112.30	0.03	0.03
4	3.124	3MC5	216.34	127.33	0.03	0.03
5	3.339	nC6	343.23	186.44	0.05	0.05
14	5.030	1c3DMCYC5	964.03	402.29	0.14	0.14
17	5.647	nC7	3229.87	1153.21	0.46	0.46
18	6.330	MCYC6	28396.43	8980.18	4.06	4.06
27	7.803	Toluene	4846.14	1329.49	0.69	0.69
40	10.410	nC8	10411.03	2881.13	1.49	1.49
75	16.334	C9	28948.51	5346.36	4.14	4.14

20/10/2006 9:20:13 AM Result: \\s5-cal-tiger\dat\Misc\wholeoil\L04376.rst

Peak #	Time [min]	Component Name	Area [μ V·s]	Height [μ V]	Area [%]	Norm. Area [%]
107	21.140	C10	34327.76	9777.47	4.91	4.91
138	24.739	C11	45663.09	11410.55	6.53	6.53
164	27.739	C12	44265.39	11842.32	6.33	6.33
188	30.395	C13	48583.81	12908.04	6.95	6.95
203	32.310	iC15	9848.17	3607.46	1.41	1.41
206	32.820	C14	67374.86	14422.55	9.63	9.63
218	34.279	iC16	23652.91	6351.81	3.38	3.38
225	35.076	C15	44660.91	12134.75	6.39	6.39
242	37.189	C16	39649.32	10940.87	5.67	5.67
249	38.229	iC18	17274.44	3723.24	2.47	2.47
255	39.189	C17	35649.11	10085.33	5.10	5.10
256	39.386	pristane	28152.61	7201.31	4.03	4.03
270	41.086	C18	29676.83	8677.43	4.24	4.24
272	41.328	phytane	12944.43	3524.23	1.85	1.85
284	42.894	C19	30693.73	7782.20	4.39	4.39
297	44.618	C20	20587.79	6569.34	2.94	2.94
306	46.266	C21	18464.42	5628.10	2.64	2.64
318	47.845	C22	16880.53	4896.62	2.41	2.41
326	49.360	C23	12586.20	3737.96	1.80	1.80
337	50.814	C24	7736.63	2536.43	1.11	1.11
345	52.215	C25	5250.83	1702.01	0.75	0.75
352	53.568	C26	3861.38	1129.39	0.55	0.55
360	54.871	C27	2143.56	633.81	0.31	0.31
365	56.140	C28	1665.02	422.32	0.24	0.24
368	57.360	C29	924.75	208.59	0.13	0.13
371	58.545	C30	211.22	75.98	0.03	0.03
374	59.700	C31	1443.89	147.98	0.21	0.21
378	60.995	C32	166.01	54.06	0.02	0.02
381	62.814	C33	273.27	46.66	0.04	0.04
382	64.023	C34	946.20	107.61	0.14	0.14
-	66.269	C35	0.00	0.00	0.00	0.00
-	68.448	C36	0.00	0.00	0.00	0.00
			699312.10	192191.03	100.00	100.00

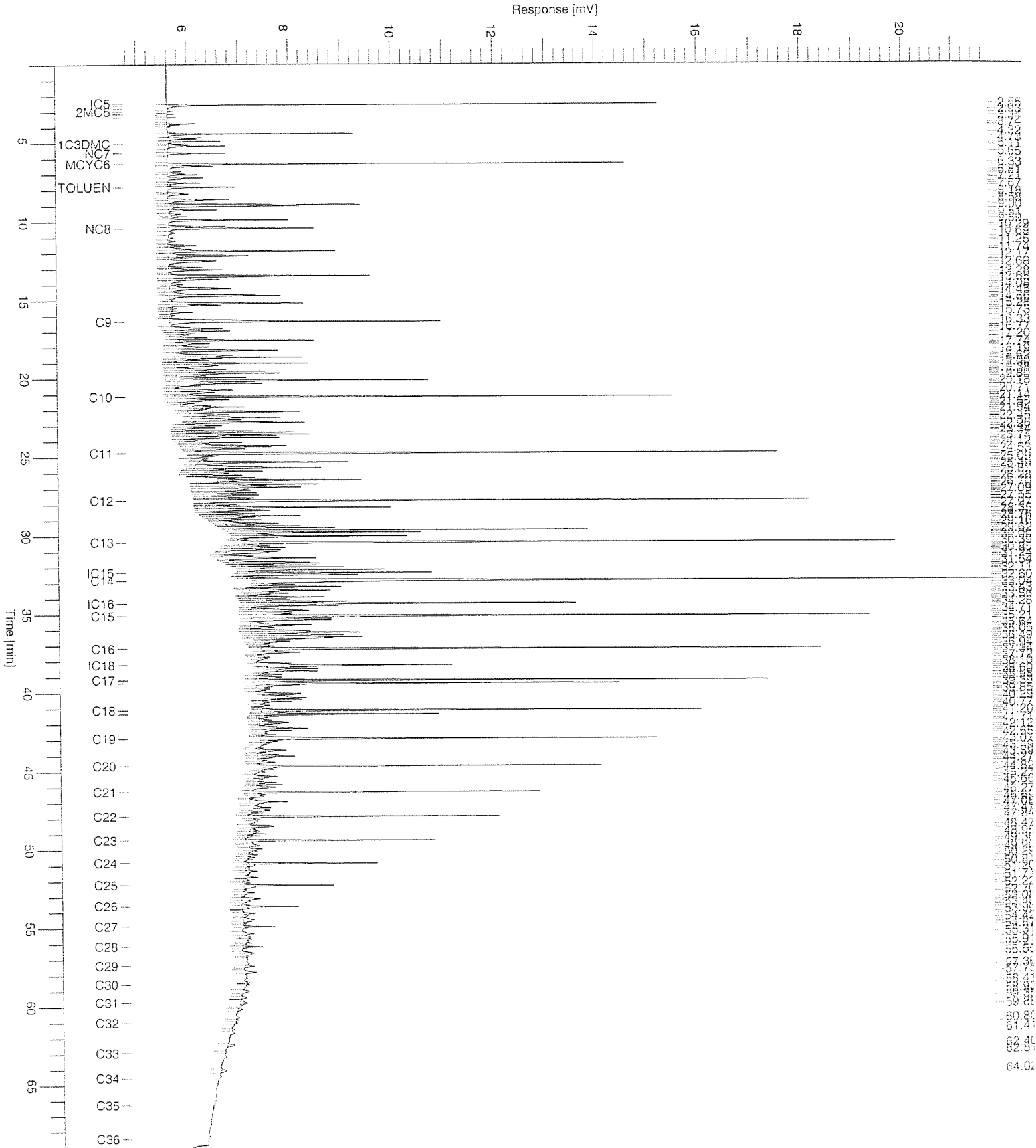
Missing Component Report

Component Expected Retention (Calibration File)

iC5	2.442
22DMC4	2.800
C35	66.269
C36	68.448

Chromatogram

Sample Name : L04376 Sample #: 465 Page 1 of 1
 FileName : \\s5-cal-tiger\dat\misc\wholeoil\L04376.raw
 Date : 20/10/2006 9:20:14 AM
 Method : Time of Injection: 19/10/2006 2:48:18 PM
 Start Time : 0.00 min End Time : 70.01 min Low Point : 4.76 mV High Point : 21.74 mV
 Plot Offset: 4.76 mV Plot Scale: 17.0 mV



Software Version : 6.2.0.0.0:B27
 Operator : mmilovic
 Sample Number : 466
 AutoSampler : NONE
 Instrument Name : N2
 Interface Serial # : 6092271775
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 µL
 Sample Amount : 1.0000
 Data Acquisition Time : 20/10/2006 1:23:07 PM

Date : 23/10/2006 7:53:31 AM
 Sample Name : L04377
 Study : Whole Oil GC
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 70.01 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 1

Raw Data File : \\s5-cal-tiger\dat\misc\wholeoil\L04377.raw

Result File : \\s5-cal-tiger\dat\Misc\wholeoil\L04377.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\misc\wholeoil\L04377.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04377.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04377.rst [Editing in Progress]

Report Format File: \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil.rpt

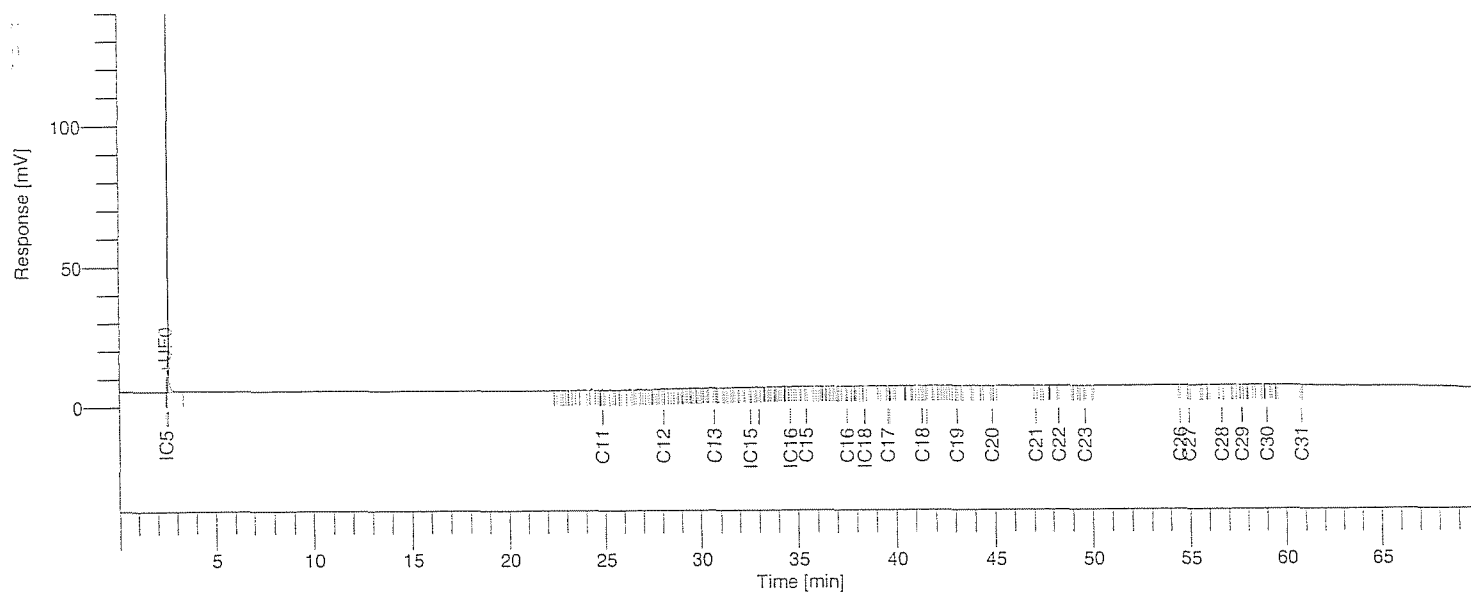
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\wholeoil\wholeoil.seq

Sample Notes:

L04377 Simpson

Core Test -27

Talisman



WHOLE OIL REPORT

Organic Geochemistry Labs

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]
2	2.551	nC5	240586.80	132396.75	95.97	95.97
-	2.800	22DMC4	0.00	0.00	0.00	0.00
-	3.106	2MC5	0.00	0.00	0.00	0.00
-	3.267	3MC5	0.00	0.00	0.00	0.00
-	3.492	nC6	0.00	0.00	0.00	0.00
-	5.270	1c3DMCYC5	0.00	0.00	0.00	0.00
-	5.929	nC7	0.00	0.00	0.00	0.00
-	6.628	MCYC6	0.00	0.00	0.00	0.00
-	8.130	Toluene	0.00	0.00	0.00	0.00
-	10.783	nC8	0.00	0.00	0.00	0.00
-	16.710	C9	0.00	0.00	0.00	0.00
-	21.422	C10	0.00	0.00	0.00	0.00

23/10/2006 7:53:31 AM Result: \\s5-cal-tiger\dat\Misc\wholeoil\L04377.rst

Peak #	Time [min]	Component Name	Area [μ V·s]	Height [μ V]	Area [%]	Norm. Area [%]
13	24.861	C11	2275.25	789.99	0.91	0.91
30	28.042	C12	1469.63	423.87	0.59	0.59
51	30.690	C13	802.70	243.64	0.32	0.32
63	32.539	iC15	316.72	95.59	0.13	0.13
67	32.980	C14	458.14	114.34	0.18	0.18
76	34.604	iC16	235.48	69.97	0.09	0.09
81	35.408	C15	165.84	51.84	0.07	0.07
95	38.396	iC18	582.84	81.32	0.23	0.23
98	39.672	pristane	142.57	51.15	0.06	0.06
103	41.310	C18	162.71	54.01	0.06	0.06
104	41.530	phytane	193.40	62.58	0.08	0.08
110	43.074	C19	182.51	70.17	0.07	0.07
114	44.855	C20	244.39	71.57	0.10	0.10
116	47.088	C21	266.34	56.71	0.11	0.11
119	48.287	C22	228.71	74.88	0.09	0.09
122	49.608	C23	199.34	62.40	0.08	0.08
-	51.155	C24	0.00	0.00	0.00	0.00
-	52.794	C25	0.00	0.00	0.00	0.00
124	54.485	C26	256.11	79.01	0.10	0.10
125	54.957	C27	221.78	60.18	0.09	0.09
128	56.638	C28	539.93	79.15	0.22	0.22
131	57.679	C29	284.82	61.43	0.11	0.11
135	59.008	C30	724.75	108.98	0.29	0.29
138	60.795	C31	141.75	49.65	0.06	0.06
-	61.480	C32	0.00	0.00	0.00	0.00
-	62.915	C33	0.00	0.00	0.00	0.00
-	64.519	C34	0.00	0.00	0.00	0.00
-	66.269	C35	0.00	0.00	0.00	0.00
-	68.448	C36	0.00	0.00	0.00	0.00
			250682.49	135209.17	100.00	100.00

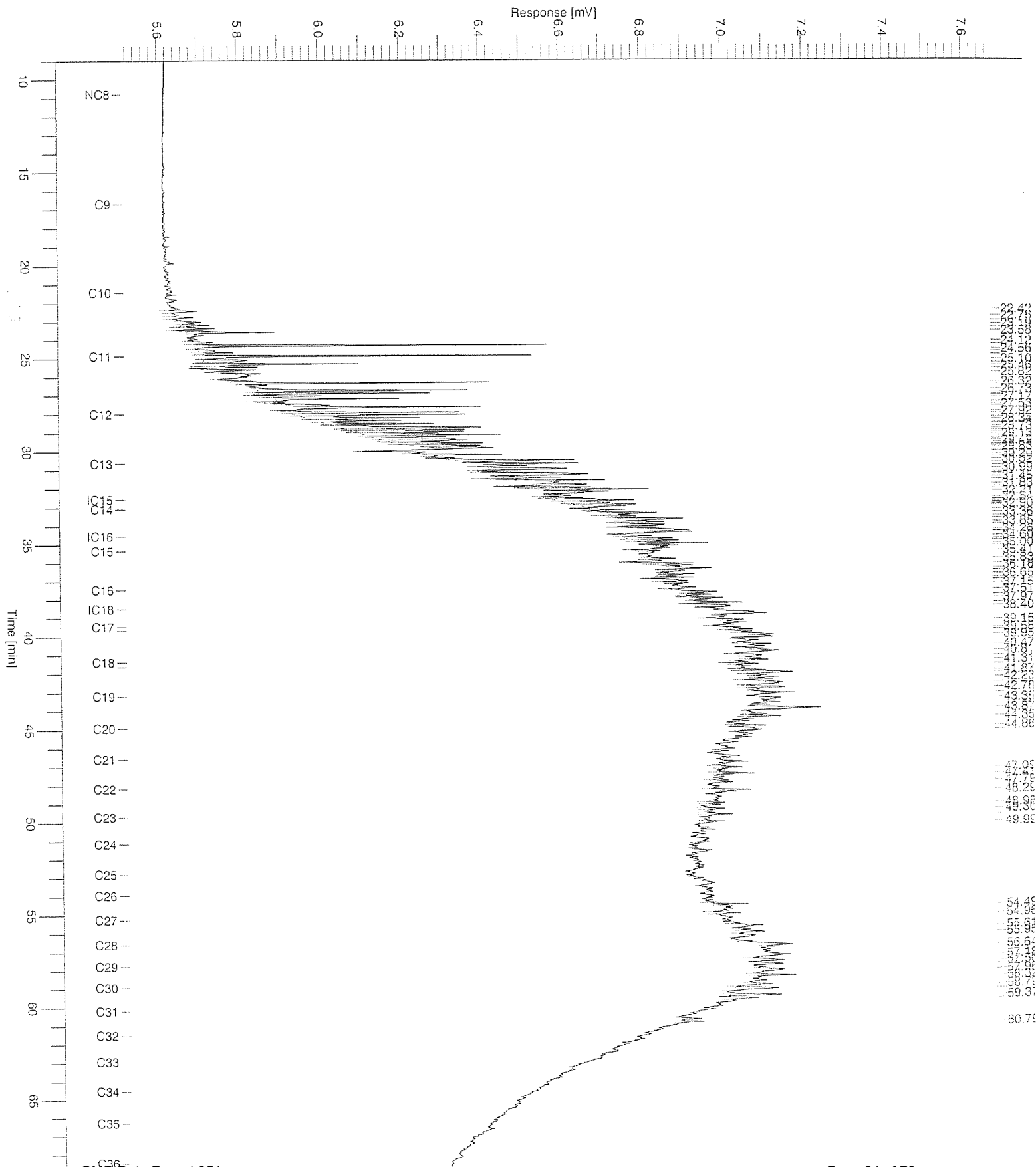
Missing Component Report

Component Expected Retention (Calibration File)

22DMC4	2.800
2MC5	3.106
3MC5	3.267
nC6	3.492
1c3DMCYC5	5.270
nC7	5.929
MCYC6	6.628
Toluene	8.130
nC8	10.783
C9	16.710
C10	21.422
C24	51.155
C25	52.794
C32	61.480
C33	62.915
C34	64.519
C35	66.269
C36	68.448

Chromatogram

Sample Name : L04377 Sample #: 466 Page 1 of 1
 FileName : \\s5-cal-tiger\data\misc\wholeoil\L04377.raw
 Date : 23/10/2006 7:53:37 AM
 Method : Time of Injection: 20/10/2006 1:23:07 PM
 Start Time : 8.97 min End Time : 68.66 min Low Point : 5.51 mV High Point : 7.67 mV
 Plot Offset: 5.51 mV Plot Scale: 2.2 mV



Software Version : 6.2.0.0:B27
 Operator : mmilovic
 Sample Number : 467
 AutoSampler : NONE
 Instrument Name : N2
 Interface Serial # : 6092271775
 Delay Time : 0.00 min
 Sampling Rate : 3.0300 pts/s
 Sample Volume : 1.000000 µL
 Sample Amount : 1.0000
 Data Acquisition Time : 20/10/2006 2:58:54 PM

Date : 23/10/2006 8:05:26 AM
 Sample Name : L04378
 Study : Whole Oil GC
 Rack/Vial : 0/0
 Channel : A
 A/D mV Range : 1000
 End Time : 70.01 min
 Area Reject : 100.000000
 Dilution Factor : 1.00
 Cycle : 2

Raw Data File : \\s5-cal-tiger\dat\misc\wholeoil\L04378.raw

Result File : \\s5-cal-tiger\dat\Misc\wholeoil\L04378.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\misc\wholeoil\L04378.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04378.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil from \\s5-cal-tiger\dat\Misc\wholeoil\L04378.rst [Editing in Progress]

Report Format File: \\s5-cal-tiger\PenExe\TcCS\Methods\wholeoil\wholeoil.rpt

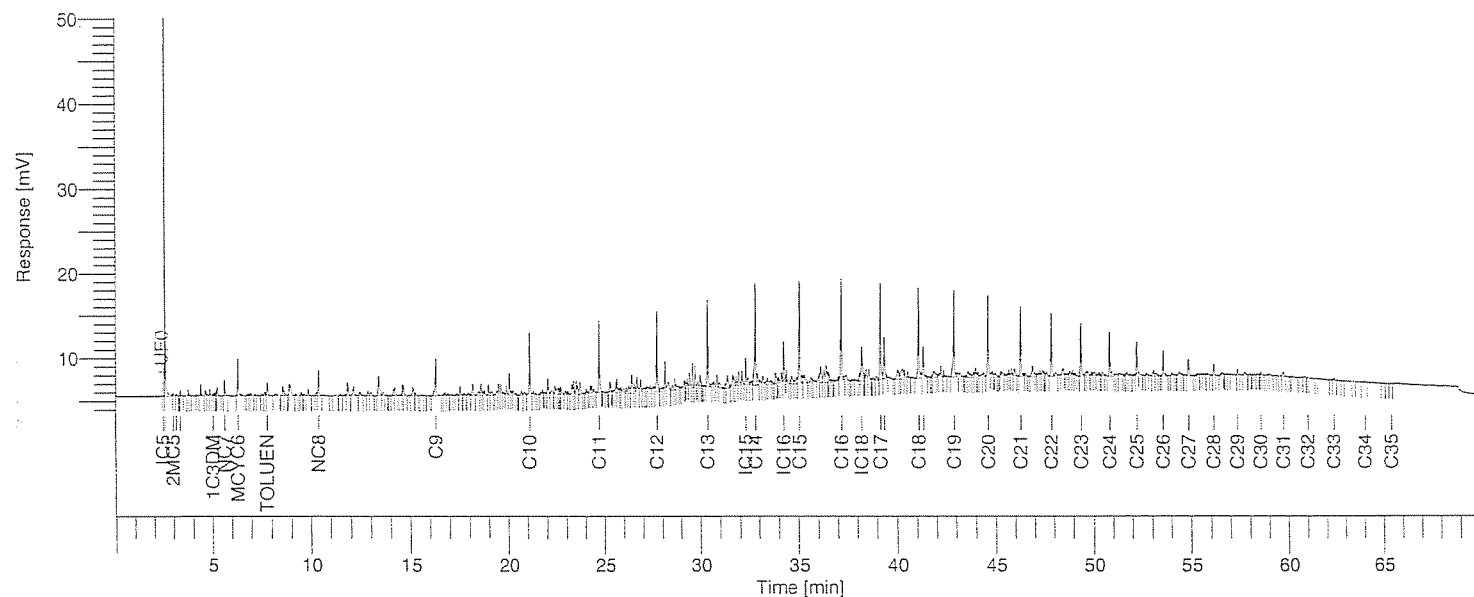
Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\wholeoil\wholeoil.seq

Sample Notes:

L04378 S. Barrow #12

10/76 Tetrattech, Sag River

Talisman



WHOLE OIL REPORT

Organic Geochemistry Labs

Peak #	Time [min]	Component Name	Area [µV·s]	Height [µV]	Area [%]	Norm. Area [%]
2	2.553	nC5	79028.27	43732.86	10.29	10.29
-	2.800	22DMC4	0.00	0.00	0.00	0.00
4	2.971	2MC5	930.37	389.69	0.12	0.12
5	3.124	3MC5	608.52	300.23	0.08	0.08
6	3.338	nC6	1382.51	718.11	0.18	0.18
15	5.022	1c3DMCYC5	853.20	338.96	0.11	0.11
19	5.637	nC7	5228.05	1861.10	0.68	0.68
20	6.311	MCYC6	13738.28	4371.54	1.79	1.79
28	7.795	Toluene	7128.79	1580.30	0.93	0.93
39	10.396	nC8	10347.14	2972.94	1.35	1.35
67	16.317	C9	20297.69	4381.70	2.64	2.64
97	21.121	C10	25162.93	7359.38	3.28	3.28

23/10/2006 8:05:26 AM Result: \\s5-cal-tiger\dat\Misc\wholeoil\L04378.rst

Peak #	Time [min]	Component Name	Area [μ V·s]	Height [μ V]	Area [%]	Norm. Area [%]
125	24.719	C11	29692.74	8429.87	3.87	3.87
150	27.722	C12	31833.81	9450.80	4.15	4.15
173	30.377	C13	33710.72	10325.70	4.39	4.39
188	32.293	iC15	8519.86	3168.86	1.11	1.11
191	32.805	C14	46933.23	12081.76	6.11	6.11
205	34.262	iC16	14034.98	4508.87	1.83	1.83
211	35.066	C15	44236.74	12111.53	5.76	5.76
228	37.187	C16	42890.29	12048.55	5.58	5.58
235	38.225	iC18	19632.52	4024.92	2.56	2.56
242	39.191	C17	41638.77	11407.70	5.42	5.42
243	39.373	pristane	18628.23	4904.74	2.43	2.43
256	41.092	C18	39282.68	10855.52	5.11	5.11
258	41.327	phytane	14308.70	3707.23	1.86	1.86
270	42.905	C19	42424.87	10289.23	5.52	5.52
284	44.632	C20	32874.59	9413.87	4.28	4.28
294	46.282	C21	29822.91	8270.31	3.88	3.88
306	47.864	C22	26685.38	7492.68	3.47	3.47
315	49.381	C23	22253.37	6294.26	2.90	2.90
326	50.836	C24	18187.07	5239.51	2.37	2.37
338	52.238	C25	12176.90	3798.33	1.59	1.59
345	53.589	C26	10612.64	2996.86	1.38	1.38
354	54.891	C27	8267.64	2008.49	1.08	1.08
361	56.153	C28	4436.96	1311.16	0.58	0.58
365	57.375	C29	2609.90	712.67	0.34	0.34
370	58.558	C30	1010.07	341.29	0.13	0.13
375	59.729	C31	3434.97	526.31	0.45	0.45
380	61.009	C32	471.78	131.99	0.06	0.06
383	62.389	C33	1404.27	247.69	0.18	0.18
386	64.026	C34	954.29	85.32	0.12	0.12
388	65.407	C35	313.20	48.20	0.04	0.04
-	68.448	C36	0.00	0.00	0.00	0.00
			767989.84	234241.03	100.00	100.00

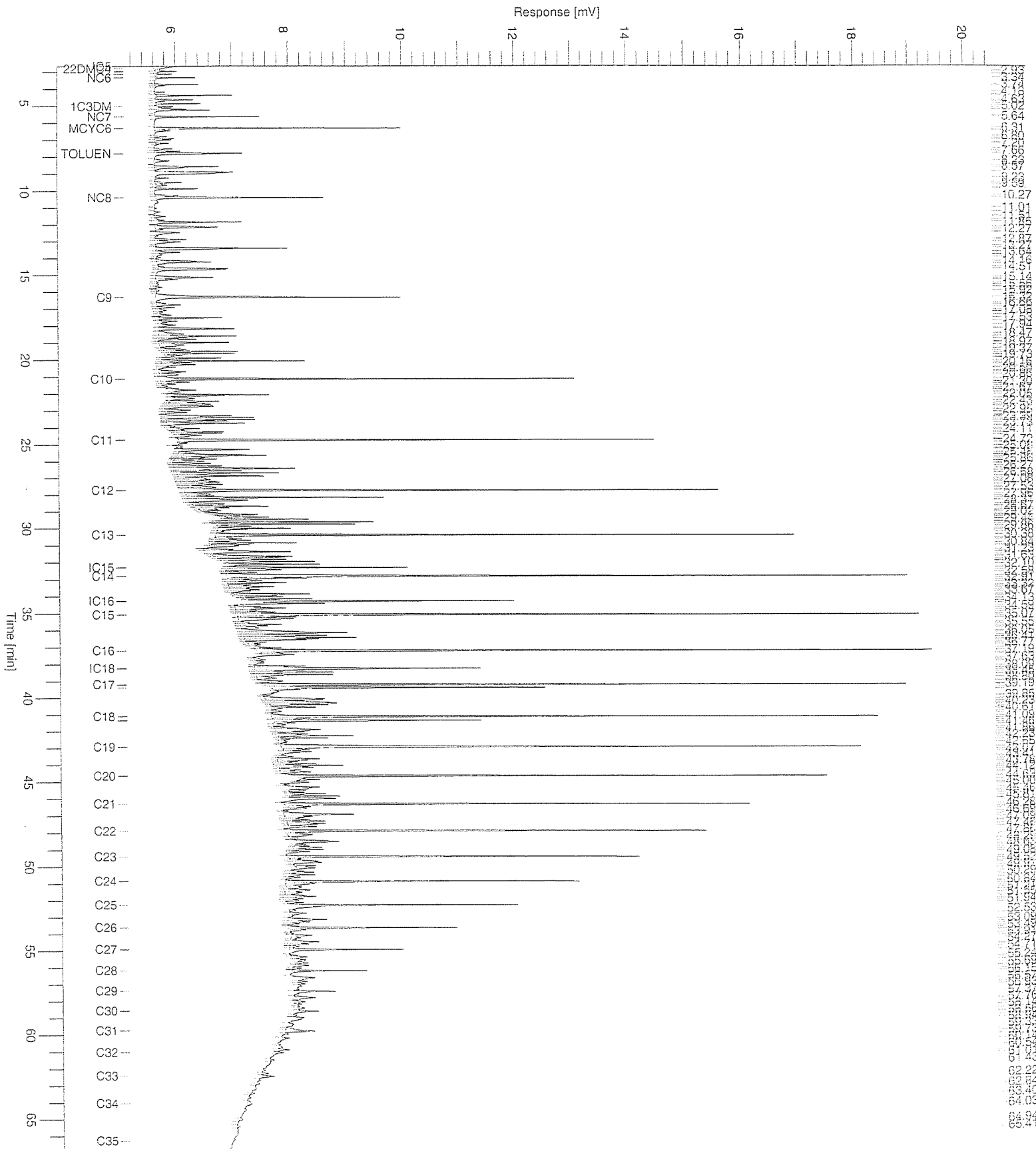
Missing Component Report

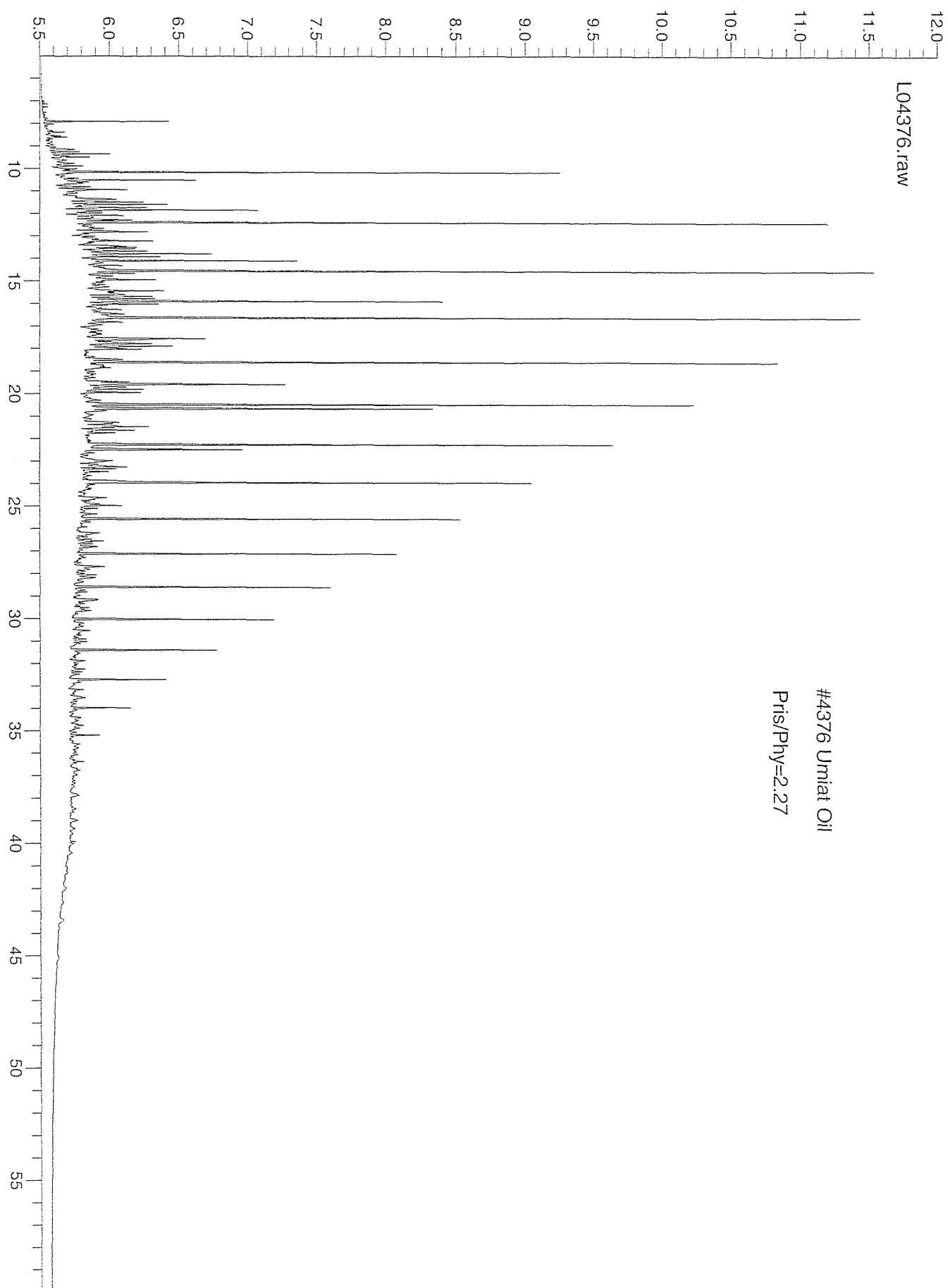
Component Expected Retention (Calibration File)

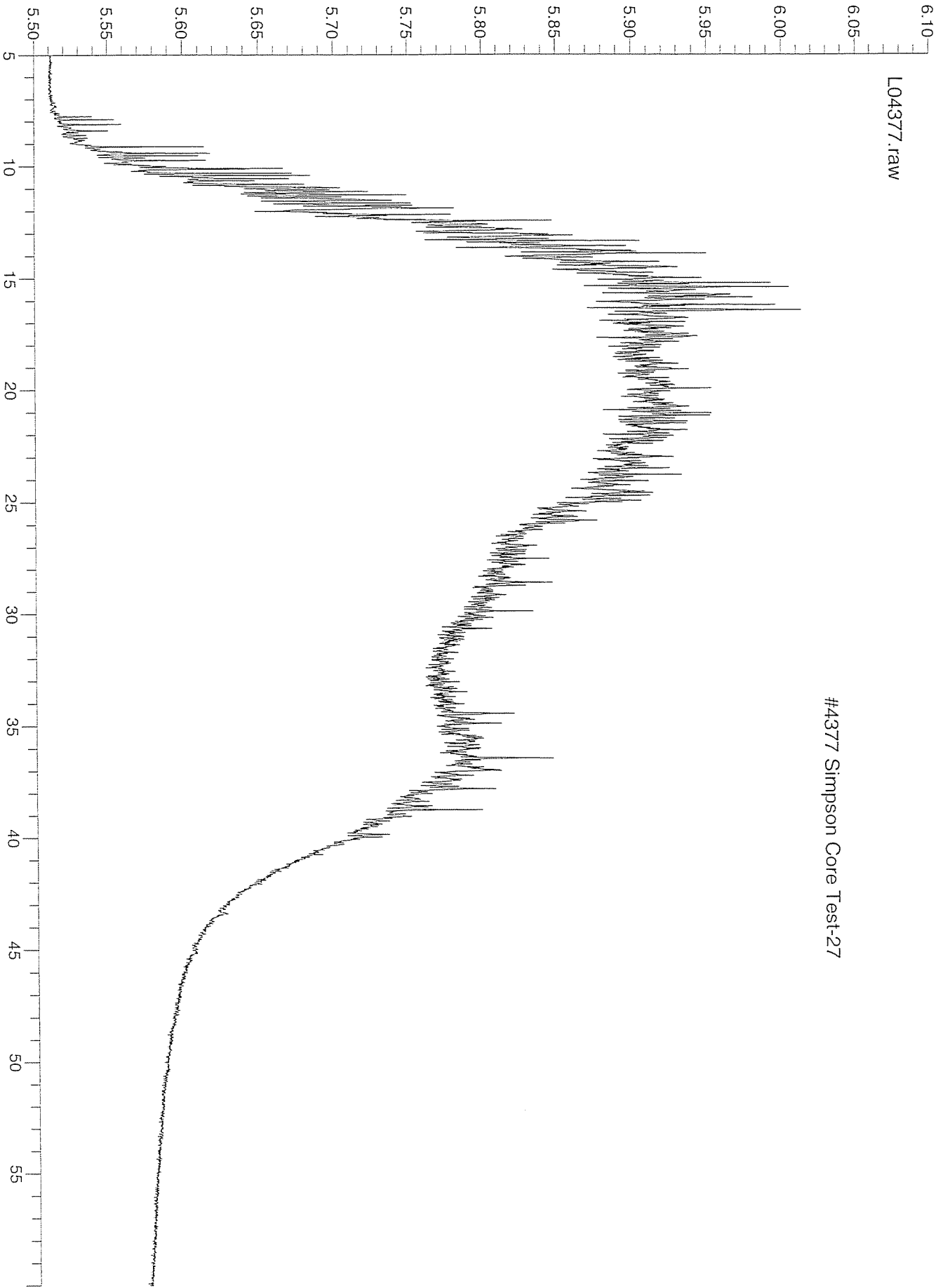
22DMC4	2.800
C36	68.448

Chromatogram

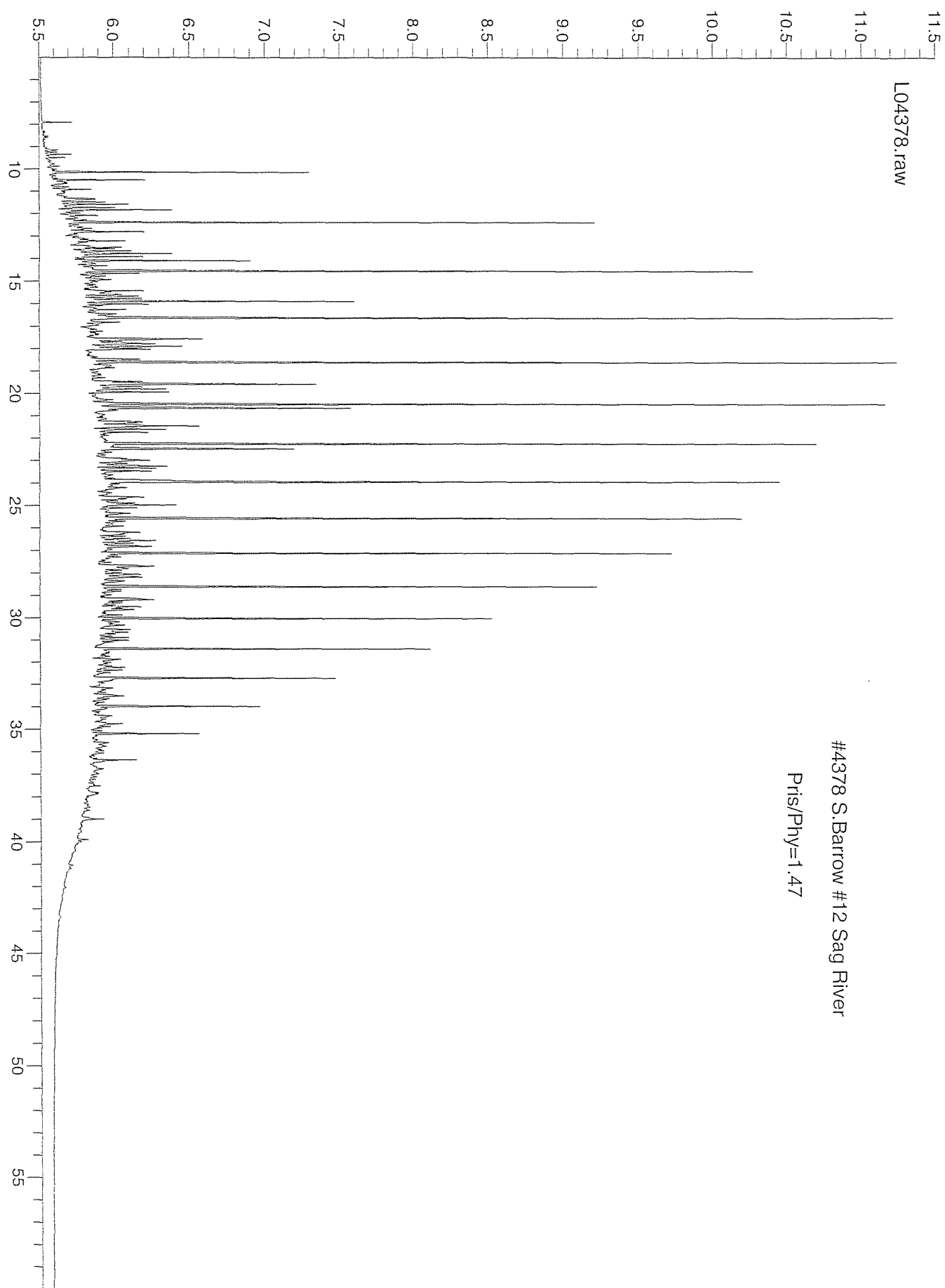
Sample Name : L04378 Sample #: 467 Page 1 of 1
 FileName : \\s5-cal-tiger\data\misc\wholeoil\L04378.raw
 Date : 23/10/2006 8:05:28 AM
 Method : Time of Injection: 20/10/2006 2:58:54 PM
 Start Time : 2.67 min End Time : 67.91 min Low Point : 5.07 mV High Point : 20.51 mV
 Plot Offset: 5.07 mV Plot Scale: 15.4 mV







#4377 Simpson Core Test-27



Software Version	: 6.2.0.0.0:B27	Date	: 11/7/2006 6:55:02 AM
Operator	: sachal	Sample Name	: #4376 Umiat Oil
Sample Number	: 155	Study	: Talisman
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: sats	Channel	: A
Interface Serial #	: 7018272975	A/D mV Range	: 1000
Delay Time	: 5.00 min	End Time	: 70.01 min
Sampling Rate	: 3.3330 pts/s		
Sample Volume	: 1.000000 µL	Area Reject	: 50.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/31/2006 11:08:16 AM	Cycle	: 1

Raw Data File : \\s5-cal-tiger\dat\misc\sats\L04376.raw

Result File : \\s5-cal-tiger\dat\Misc\Sats\L04376.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\misc\sats\L04376.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04376.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04376.rst [Editing in Progress]

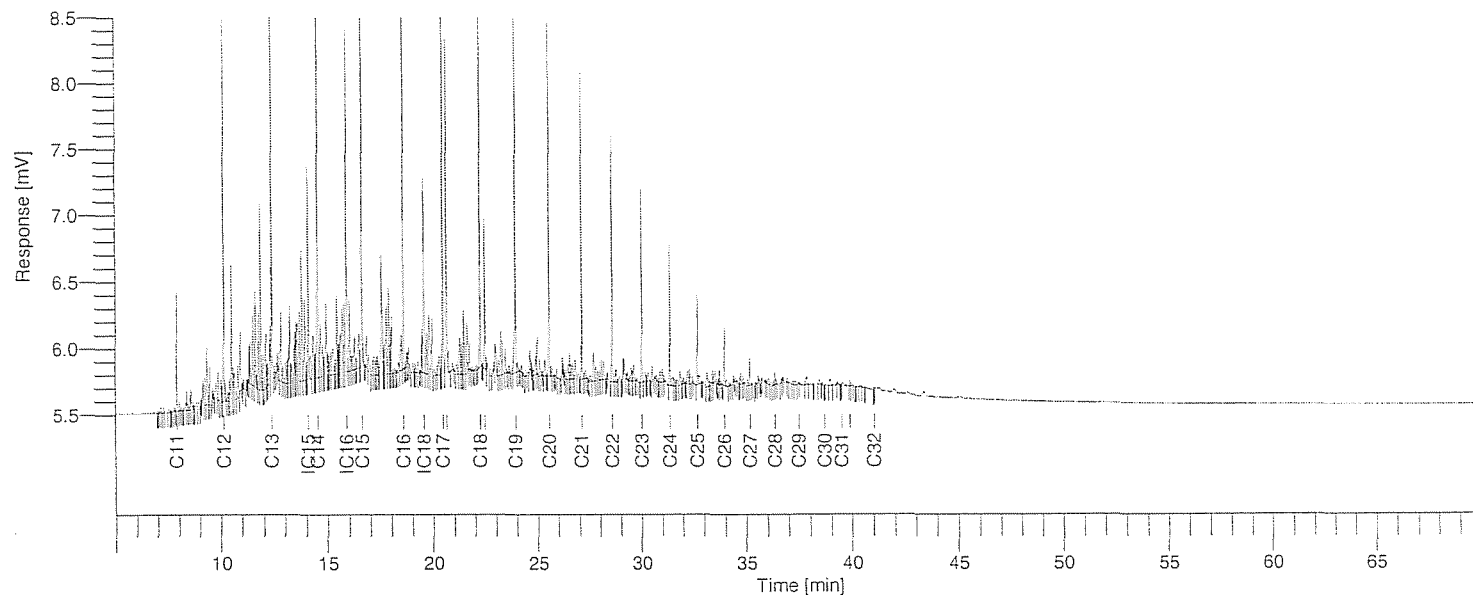
Report Format File: \\s5-cal-tiger\PenExe\TcCS\Reports\Sats\sats.rpt

Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\Sats\Misc-sats.seq

Sample Notes:

#4376 Umiat Oil Talisman Sample

50.16 mg sats



SATURATE GC REPORT

11/7/2006 6:55:02 AM Result: \\s5-cal-tiger\dat\Misc\Sats\L04376.rst

Ret Time [min]	Component Name	Area [uV*sec]	Height [uV]	Area [%]
7.901	C11	1587.46	892.61	1.17
10.146	C12	7296.77	3646.90	5.37
12.388	C13	11399.19	5467.61	8.39
14.098	iC15	3681.23	1596.49	2.71
14.554	C14	13519.95	5809.61	9.95
15.895	iC16	6634.41	2571.49	4.88
16.623	C15	12409.01	5572.94	9.14
18.591	C16	10963.20	4986.97	8.07
19.563	iC18	5192.91	1454.49	3.82
20.462	C17	10391.33	4414.76	7.65
20.644	pristane	7746.88✓	2545.99	5.70
22.243	C18	8301.53	3755.81	6.11
22.468	phytane	3408.49✓	1118.27	2.51
23.940	C19	8299.64	3261.55	6.11
25.561	C20	6208.10	2730.91	4.57
27.110	C21	5093.33	2313.46	3.75
28.593	C22	4327.58	1836.67	3.19
30.017	C23	3397.84	1456.19	2.50
31.384	C24	2484.50	1054.31	1.83
32.698	C25	1643.64	690.02	1.21
33.964	C26	1006.30	435.83	0.74
35.184	C27	510.31	209.74	0.38
36.362	C28	226.70	92.22	0.17
39.908	hopane	91.51	43.08	0.07
		135821.81	57957.93	100.00

2.27

Chromatogram

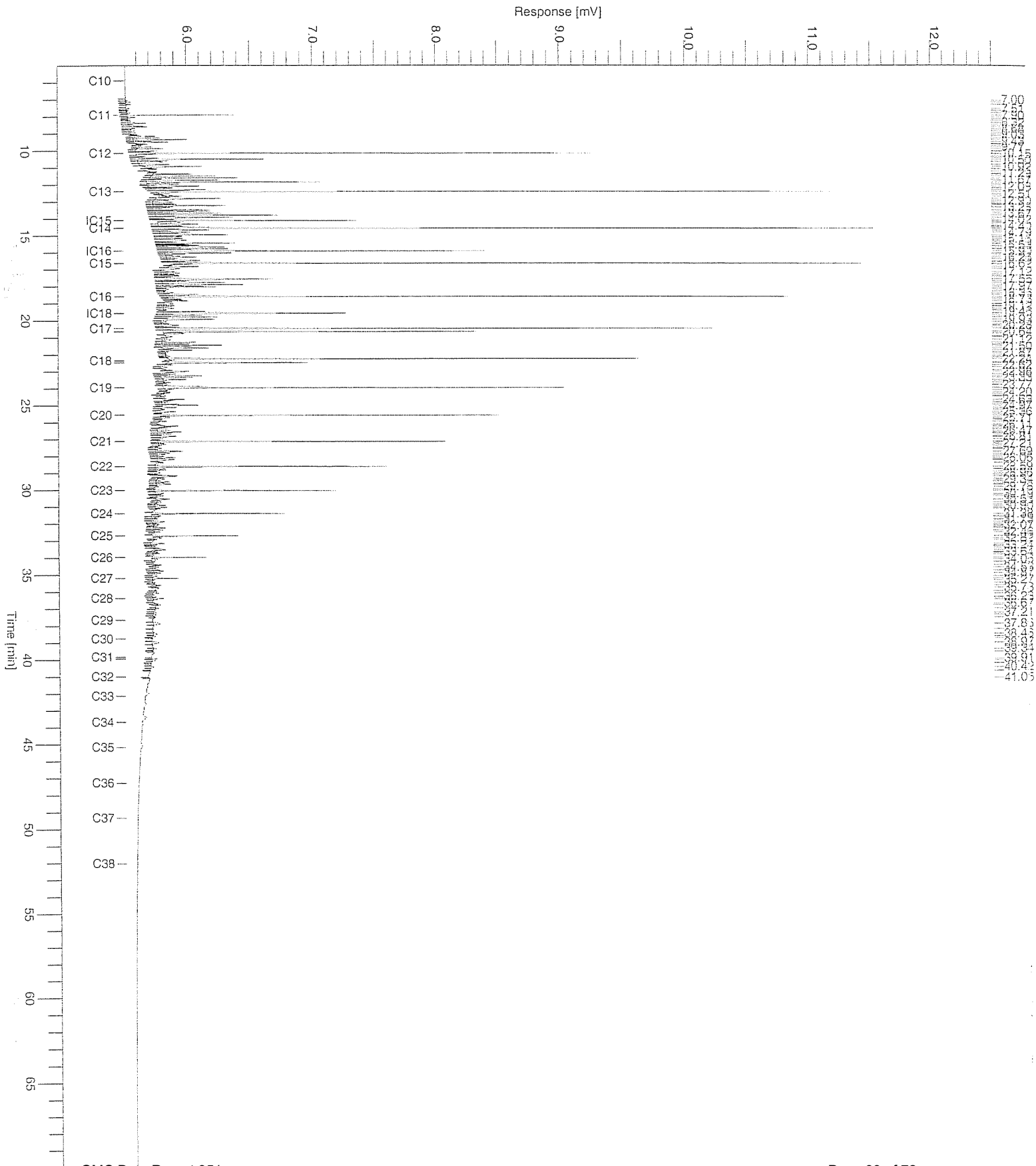
Sample Name : #4376 Umiat Oil
 FileName : \\s5-cal-tiger\data\misc\sats\L04376.raw
 Date : 11/7/2006 6:55:04 AM
 Method :
 Start Time : 5.00 min
 Plot Offset: 5.50 mV

Sample #: 155

Page 1 of 1

Time of Injection: 10/31/2006 11:08:16 AM

End Time : 70.01 min
 Low Point : 5.50 mV
 High Point : 12.50 mV
 Plot Scale: 7.0 mV



Software Version	: 6.2.0.0.0:B27	Date	: 11/7/2006 6:55:50 AM
Operator	: sachal	Sample Name	: #4377 Simpson Core Test-27
Sample Number	: 156	Study	: Talisman
AutoSampler	: NONE	Rack/Vial	: 0/0
Instrument Name	: sats	Channel	: A
Interface Serial #	: 7018272975	A/D mV Range	: 1000
Delay Time	: 5.00 min	End Time	: 70.01 min
Sampling Rate	: 3.3330 pts/s		
Sample Volume	: 1.000000 µL	Area Reject	: 50.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 10/31/2006 1:01:13 PM	Cycle	: 2

Raw Data File : \\s5-cal-tiger\dat\misc\sats\L04377.raw

Result File : \\s5-cal-tiger\dat\Misc\Sats\L04377.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\misc\sats\L04377.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04377.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04377.rst [Editing in Progress]

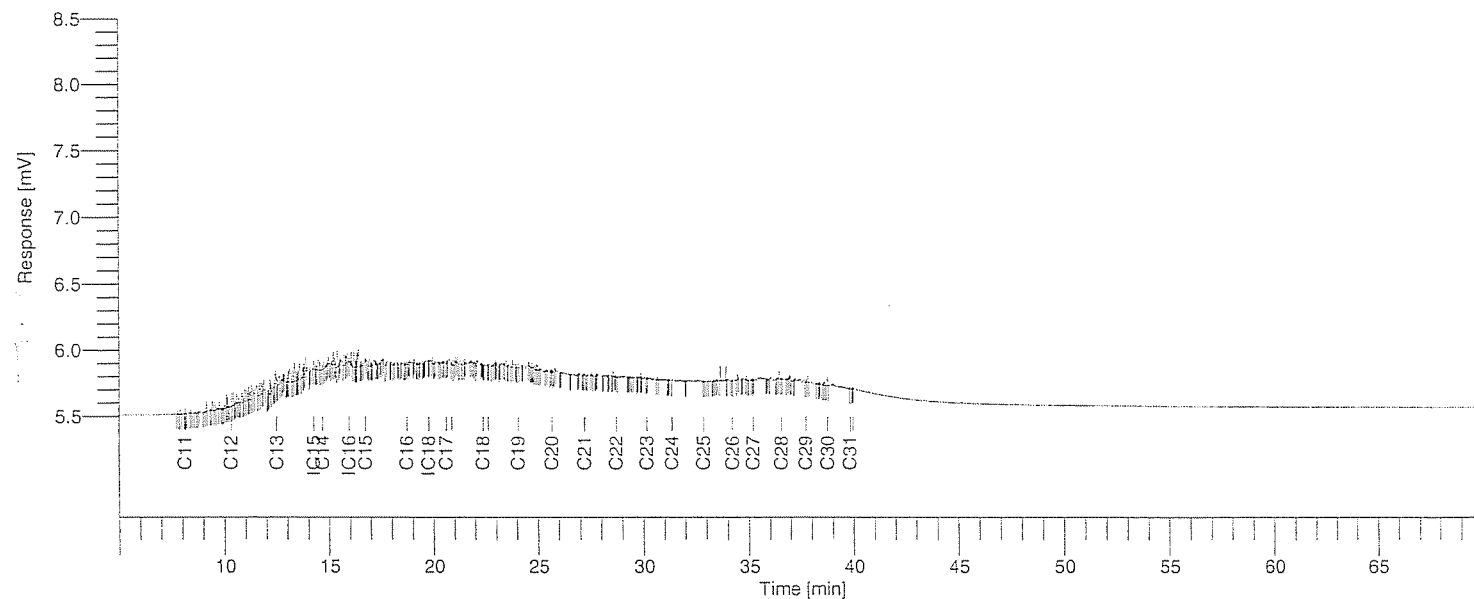
Report Format File: \\s5-cal-tiger\PenExe\TcCS\Reports\Sats\sats.rpt

Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\Sats\Misc-sats.seq

Sample Notes:

#4377 Simpson Core Test-27 Talisman

49.41 mg sats



SATURATE GC REPORT

11/7/2006 6:55:50 AM Result: \\s5-cal-tiger\dat\Misc\Sats\L04377.rst

Ret Time [min]	Component Name	Area [uV*sec]	Height [uV]	Area [%]
8.120	C11	87.01	42.60	5.74
10.313	C12	227.42	100.89	15.01
12.485	C13	179.02	71.59	11.81
14.261	iC15	164.35	65.43	10.85
14.695	C14	111.61	33.81	7.37
15.941	iC16	71.11	33.19	4.69
18.691	C16	65.86	25.67	4.35
20.851	pristane	96.61	34.34	6.38
24.052	C19	113.41	40.75	7.48
28.711	C22	90.01	29.65	5.94
37.695	C29	56.19	24.43	3.71
38.736	C30	169.52	65.32	11.19
39.832	C31	83.11	26.73	5.48
		1515.23	594.39	100.00

Chromatogram

Sample Name : #4377 Simpson Core Test-27

Sample #: 156

Page 1 of 1

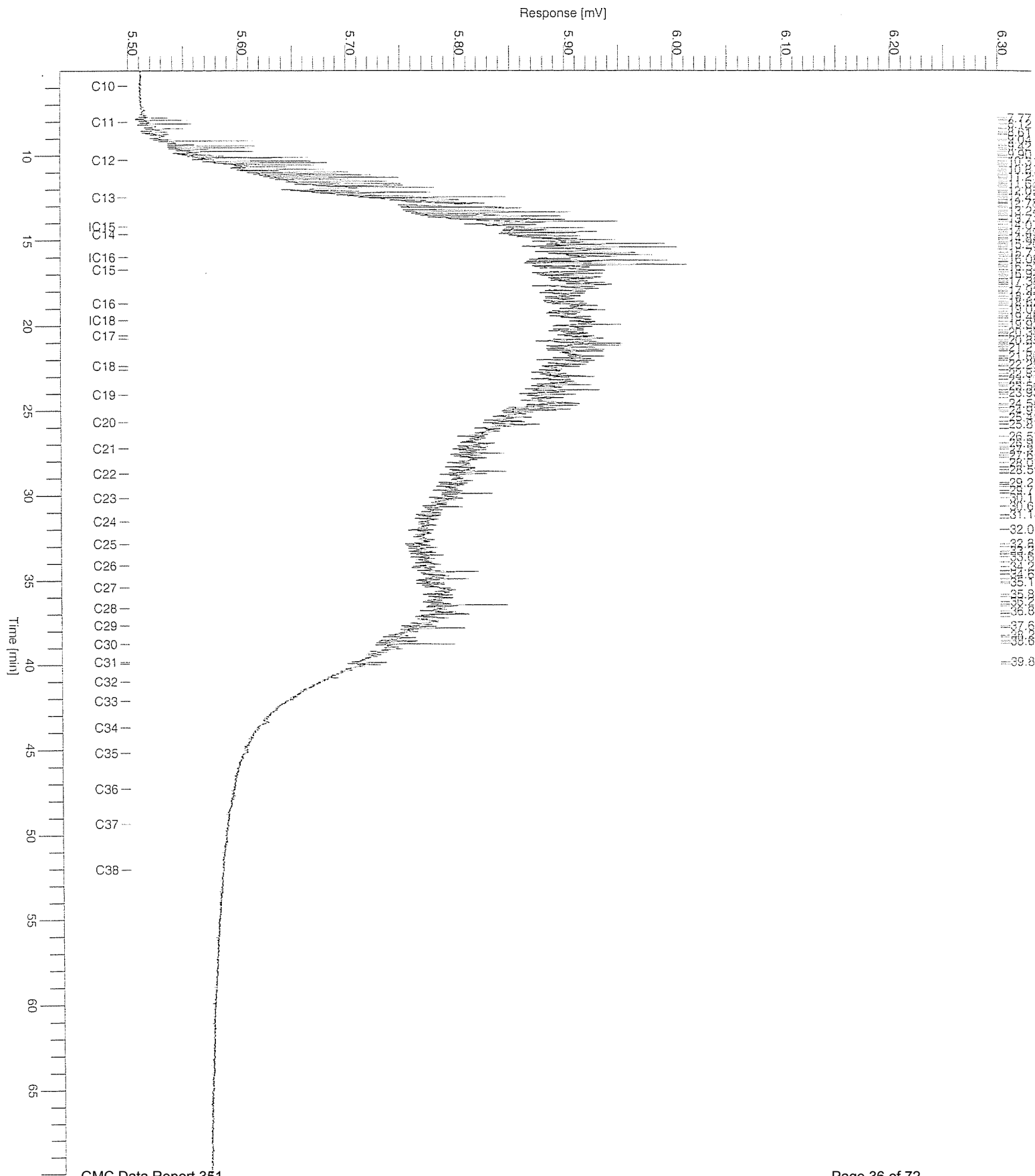
File Name : \\s5-cal-tiger\data\misc\sats\L04377.raw

Date : 11/7/2006 6:55:52 AM

Method : Time of Injection: 10/31/2006 1:01:13 PM

Start Time : 5.00 min End Time : 70.01 min Low Point : 5.50 mV High Point : 6.30 mV

Plot Offset: 5.50 mV Plot Scale: 0.8 mV



Software Version : 6.2.0.0.0:B27
Operator : sachal
Sample Number : 157
AutoSampler : NONE
Instrument Name : sats
Interface Serial # : 7018272975
Delay Time : 5.00 min
Sampling Rate : 3.3330 pts/s
Sample Volume : 1.000000 µL
Sample Amount : 1.0000
Data Acquisition Time : 11/1/2006 9:28:47 AM

Date : 11/7/2006 6:59:58 AM
Sample Name : #4378 S.Barrow #12 Sag River
Study : Talisman
Rack/Vial : 0/0
Channel : A
A/D mV Range : 1000
End Time : 70.01 min
Area Reject : 50.000000
Dilution Factor : 1.00
Cycle : 1

Raw Data File : \\s5-cal-tiger\dat\misc\sats\L04378.raw

Result File : \\s5-cal-tiger\dat\Misc\Sats\L04378.rst [Editing in Progress]

Inst Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\misc\sats\L04378.raw

Proc Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04378.rst [Editing in Progress]

Calib Method : \\s5-cal-tiger\PenExe\TcCS\Methods\Sats\sats from \\s5-cal-tiger\dat\Misc\Sats\L04378.rst [Editing in Progress]

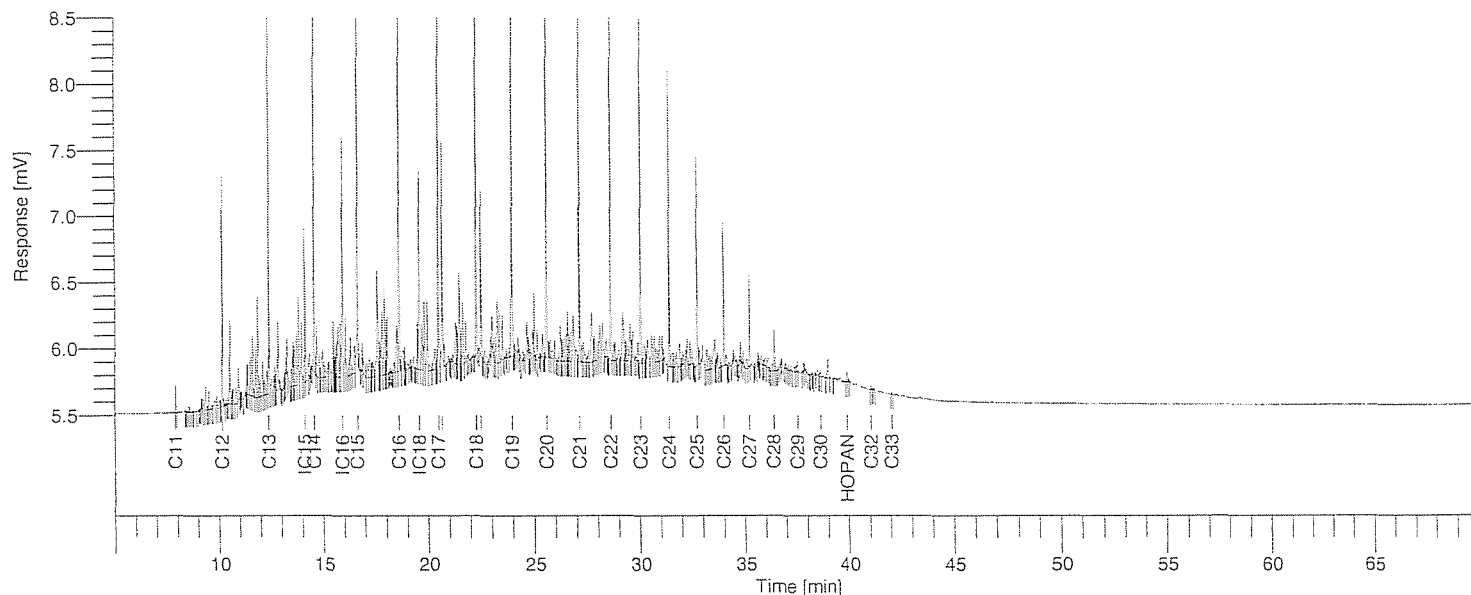
Report Format File: \\s5-cal-tiger\PenExe\TcCS\Reports\Sats\sats.rpt

Sequence File : \\s5-cal-tiger\PenExe\TcCS\Sequence\Sats\Misc-sats.seq

Sample Notes:

#4378 S.Barrow #12 Sag River Talisman Sample

31.89 mg sats



SATURATE GC REPORT

11/7/2006 6:59:58 AM Result: \\s5-cal-tiger\dat\Misc\Sats\L04378.rst

Ret Time [min]	Component Name	Area [uV*sec]	Height [uV]	Area [%]
7.898	C11	379.54	208.66	0.25
10.140	C12	3434.29	1741.98	2.26
12.380	C13	7404.84	3551.14	4.88
14.093	iC15	2415.86	1162.99	1.59
14.549	C14	9763.75	4527.74	6.44
15.890	iC16	4863.93	1815.46	3.21
16.620	C15	12109.72	5374.63	7.98
18.590	C16	12160.88	5432.47	8.02
19.565	iC18	5540.21	1503.78	3.65
20.464	C17	12394.35	5379.25	8.17
20.639	pristane	5560.61✓	1721.34	3.67
22.245	C18	10973.30	4777.89	7.24
22.468	phytane	3794.18✓	1246.34	2.50
23.945	C19	12063.20	4569.45	7.95
25.566	C20	10264.31	4280.52	6.77
27.115	C21	8793.34	3826.84	5.80
28.599	C22	7969.82	3316.63	5.25
30.022	C23	6511.61	2647.51	4.29
31.388	C24	5337.91	2259.65	3.52
32.701	C25	4032.31	1598.36	2.66
33.967	C26	2723.81	1112.37	1.80
35.187	C27	1595.41	695.86	1.05
36.364	C28	914.74	315.31	0.60
37.503	C29	193.78	79.61	0.13
38.607	C30	127.40	44.65	0.08
39.910	hopane	197.04	77.50	0.13
41.043	C32	82.51	29.04	0.05
42.047	C33	61.21	18.11	0.04
		151663.84	63315.10	100.00

1.47

Chromatogram

Sample Name : #4378 S.Barrow #12 Sag River

Sample #: 157

Page 1 of 1

FileName : \\s5-cal-tiger\data\misc\sats\L04378.raw

Date : 11/7/2006 7:00:00 AM

Method :

Time of Injection: 11/1/2006 9:28:47 AM

Start Time : 5.00 min

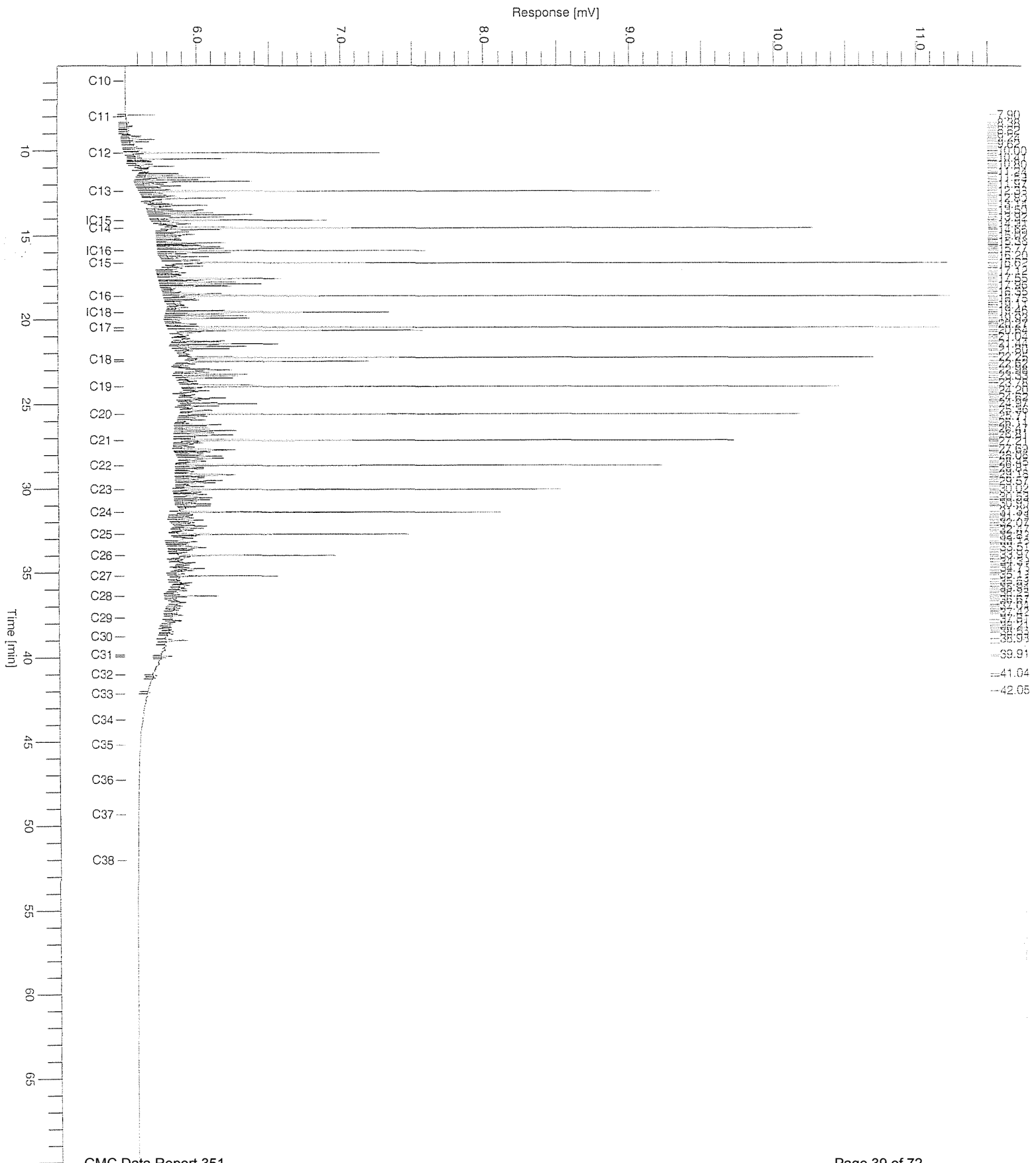
End Time : 70.01 min

Low Point : 5.50 mV

High Point : 11.50 mV

Plot Offset: 5.50 mV

Plot Scale: 6.0 mV



Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04376AR.D
 Acq On : 31 Oct 2006 11:14
 Operator : sla
 Sample : #4376 Umiat Oil Talisman Sample
 Misc : 41.86 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 08:23:39 2006
 Quant Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M
 Quant Title : Triaromatics
 QLast Update : Thu Nov 02 15:38:28 2006
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
1) 4Me-DBT	24.79	198	119538	No	Calib		
2) 3ME-DBT	25.48	198	79137	No	Calib		
3) 1Me-DBT	26.07	198	27043	No	Calib		
4) phenanthrene	22.46	178	1351926	No	Calib		
5) 3Me-phenanthrene	26.17	192	480146	No	Calib		
6) 2Me-phenanthrene	26.36	192	394673	No	Calib		
7) 9Me-phenanthrene	26.90	192	465299	No	Calib		
8) 1Me-phenanthrene	27.09	192	305426	No	Calib		
9) 1,3,7-TMN	14.09	170	2379422	No	Calib		
10) 1,3,6-TMN	14.30	170	2975195	No	Calib		
11) 1,3,5+1,4,6-TMN	14.74	170	2071023	No	Calib		
12) 2,3,6-TMN	14.92	170	1720388	No	Calib		
13) h (TMN)	16.09	170	1318733	No	Calib		
14) 20-TAS	41.61	231	22506	No	Calib		
15) 21-TAS	44.05	231	21952	No	Calib		
16) 26S-TAS	53.48	231	27286	No	Calib		
17) 26R+27S-TAS	54.98	231	80575	No	Calib		
18) 28S-TAS	56.22	231	60477	No	Calib		
19) 27R-TAS	56.87	231	47109	No	Calib		
20) 28R-TAS	58.40	231	55393	No	Calib		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MARTINQUAN.M Thu Nov 09 07:17:39 2006

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04376AR.D
Acq On : 31 Oct 2006 11:14
Operator : sla
Sample : #4376 Umiat Oil Talisman Sample
Misc : 41.86 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 170.00 (169.70 to 170.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.828	232	239	245	rBV2	88636	401923	13.49%	2.372%
2	12.921	266	269	271	rVV	125347	503883	16.91%	2.974%
3	13.430	279	283	288	rVV	253144	2107898	70.73%	12.442%
4	13.685	288	290	294	rVB3	95202	400240	13.43%	2.362%
5	14.086	294	301	303	rBV	451594	2980085	100.00%	17.590%
6	14.304	303	307	313	rVB	648906	2959812	99.32%	17.471%
7	14.741	313	319	321	rBV	432342	2058627	69.08%	12.151%
8	14.923	321	324	328	rVB2	338128	1708982	57.35%	10.087%
9	15.287	328	334	343	rVB2	262139	2516142	84.43%	14.852%
10	16.089	350	356	360	rVB3	245869	1304166	43.76%	7.698%

Sum of corrected areas: 16941758

MARTINQUAN.M Thu Nov 09 07:16:00 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04376AR.D
Acq On : 31 Oct 2006 11:14
Operator : sla
Sample : #4376 Umiat Oil Talisman Sample
Misc : 41.86 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 178.00 (177.70 to 178.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	20.349	467	473	479	rBV4	29466	168127	12.77%	4.508%
2	22.461	525	531	535	rBV	288304	1316472	100.00%	35.297%
3	23.626	555	563	565	rVV3	32657	215175	16.34%	5.769%
4	23.917	568	571	576	rVB2	29883	233936	17.77%	6.272%
5	26.175	630	633	636	rBV	99188	495533	37.64%	13.286%
6	26.357	636	638	641	rVB	90216	391606	29.75%	10.500%
7	26.903	646	653	656	rBV2	104550	609363	46.29%	16.338%
8	27.085	656	658	661	rVB	67336	299444	22.75%	8.029%

Sum of corrected areas: 3729656

MARTINQUAN.M Thu Nov 09 07:16:43 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04376AR.D
Acq On : 31 Oct 2006 11:14
Operator : sla
Sample : #4376 Umiat Oil Talisman Sample
Misc : 41.86 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M
Title : Triaromatics

Signal : EIC Ion 198.00 (197.70 to 198.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	23.189	548	551	556	rVB6	3890	35716	30.63%	7.695%
2	23.626	556	563	568	rBV3	4125	43389	37.21%	9.348%
3	23.917	568	571	576	rVB2	10109	48578	41.66%	10.466%
4	24.172	576	578	583	rBV4	5203	25716	22.06%	5.540%
5	24.791	589	595	598	rBV4	23513	116599	100.00%	25.120%
6	25.010	598	601	610	rVB5	4497	31906	27.36%	6.874%
7	25.483	610	614	616	rBV2	13280	75037	64.35%	16.166%
8	25.629	616	618	622	rVV3	12678	60186	51.62%	12.966%
9	26.066	626	630	634	rBV2	4130	27043	23.19%	5.826%

Sum of corrected areas: 464170

MARTINQUAN.M Thu Nov 09 07:17:04 2006

01

01

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04376AR.D
 Acq On : 31 Oct 2006 11:14
 Operator : sla
 Sample : #4376 Umiat Oil Talisman Sample
 Misc : 41.86 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 231.00 (230.70 to 231.70)

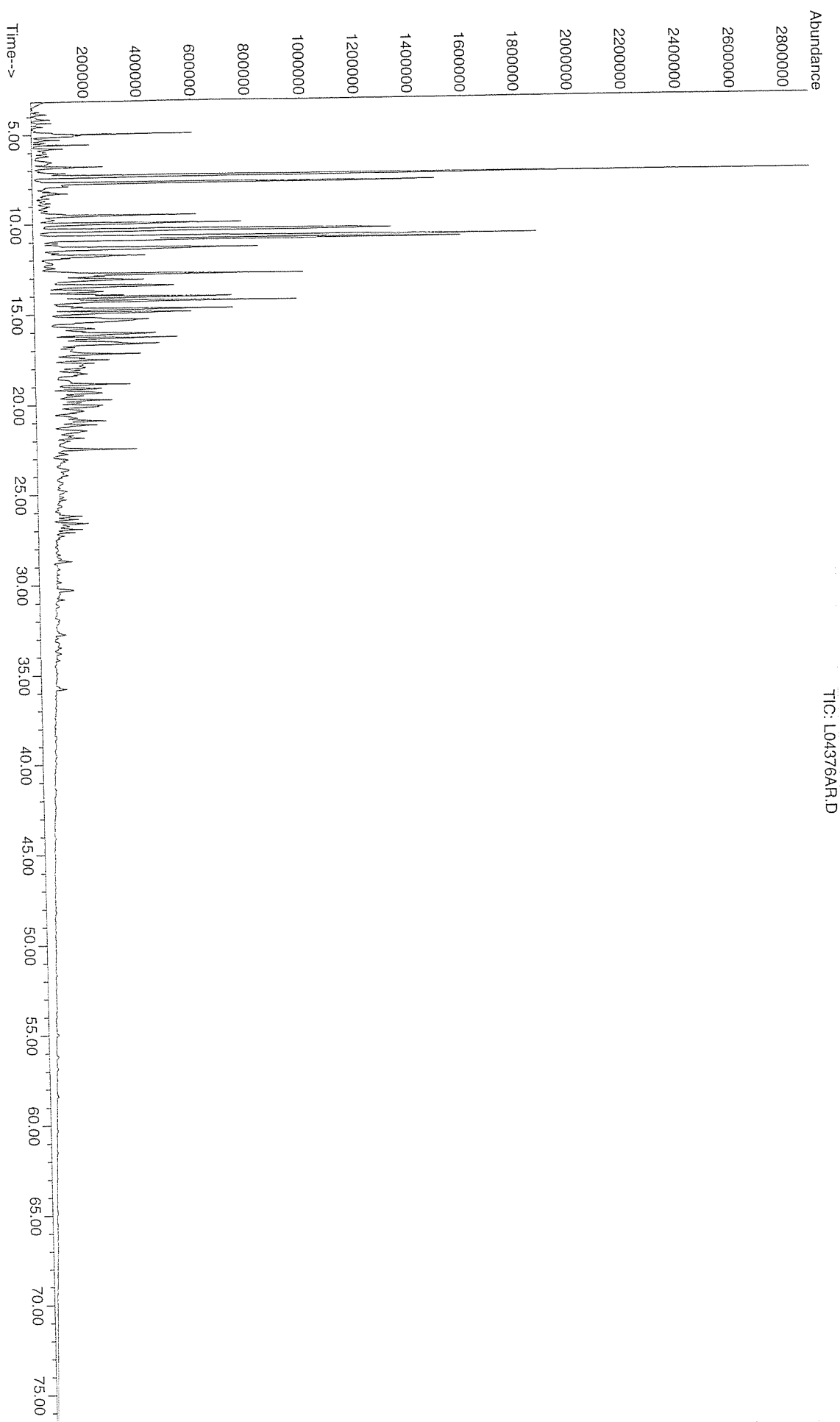
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	30.290	740	746	753	rVB2	1191	9563	12.27%	1.205%
2	31.928	784	791	796	rVB4	675	9006	11.55%	1.135%
3	32.292	796	801	807	rBV6	708	9375	12.03%	1.181%
4	32.911	815	818	824	rBV2	974	9674	12.41%	1.219%
5	33.639	828	838	844	rVB4	1399	14407	18.48%	1.815%
6	34.149	844	852	855	rBV3	2815	22366	28.70%	2.818%
7	34.441	855	860	866	rBV7	1156	14081	18.07%	1.774%
8	35.242	874	882	885	rBV6	2413	22195	28.48%	2.797%
9	35.642	888	893	896	rBV3	4644	36298	46.57%	4.574%
10	36.006	900	903	910	rBV8	2858	31663	40.62%	3.990%
11	36.334	910	912	915	rVB2	2322	11759	15.09%	1.482%
12	36.589	915	919	923	rBV5	3652	26833	34.43%	3.381%
13	36.989	924	930	939	rVB6	2849	46189	59.26%	5.820%
14	37.463	939	943	945	rBV3	1257	9606	12.32%	1.210%
15	38.264	958	965	967	rBV5	2016	16513	21.19%	2.081%
16	38.519	967	972	976	rVV4	3405	32245	41.37%	4.063%
17	38.737	976	978	981	rVV3	1288	10719	13.75%	1.351%
18	38.919	981	983	993	rVB4	3038	35791	45.92%	4.510%
19	39.502	993	999	1002	rBV5	2623	25490	32.70%	3.212%
20	39.975	1008	1012	1016	rBV2	1235	13078	16.78%	1.648%
21	40.194	1016	1018	1024	rVB3	1066	7904	10.14%	0.996%
22	40.958	1035	1039	1044	rBV5	1242	12619	16.19%	1.590%
23	41.213	1044	1046	1050	rVV3	1500	10297	13.21%	1.297%
24	41.614	1054	1057	1060	rVB	4424	21385	27.44%	2.695%
25	42.633	1082	1085	1092	rVB7	759	7830	10.05%	0.987%
26	44.054	1120	1124	1128	rVB2	3930	20148	25.85%	2.539%
27	53.484	1380	1383	1392	rVB3	5025	25769	33.06%	3.247%
28	54.977	1418	1424	1429	rBV	11289	77942	100.00%	9.821%
29	56.215	1453	1458	1462	rVB	8227	60309	77.38%	7.599%
30	56.580	1462	1468	1470	rBV3	1239	9272	11.90%	1.168%
31	56.871	1470	1476	1480	rBV3	5483	47109	60.44%	5.936%
32	57.126	1480	1483	1488	rVB3	1507	11819	15.16%	1.489%
33	58.400	1508	1518	1521	rBV2	8189	56904	73.01%	7.170%
34	59.675	1551	1553	1559	rVV3	1613	9169	11.76%	1.155%

35 60.257 1566 1569 1574 rBV3 1230 8311 10.66% 1.047%

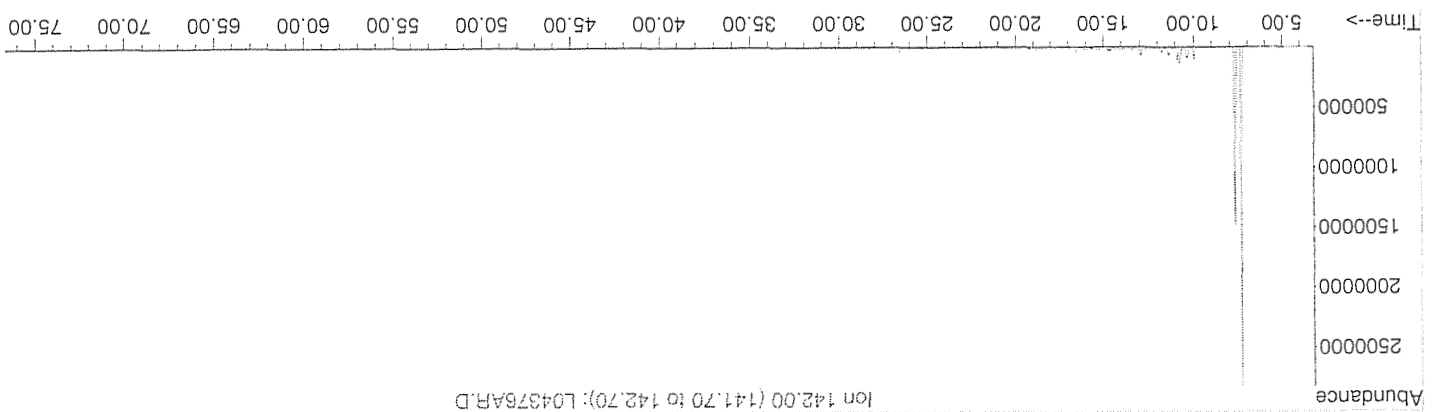
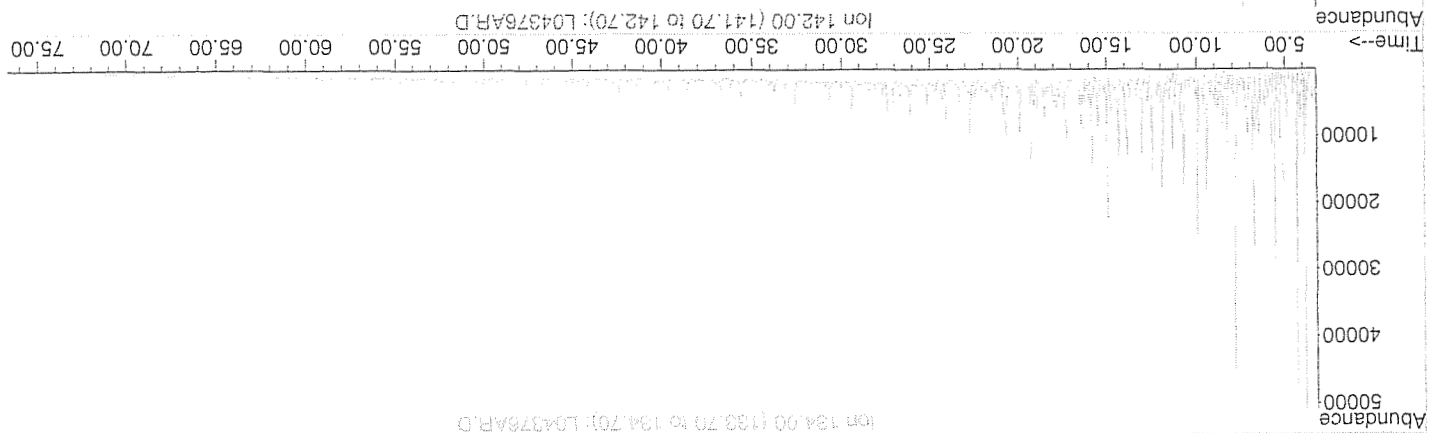
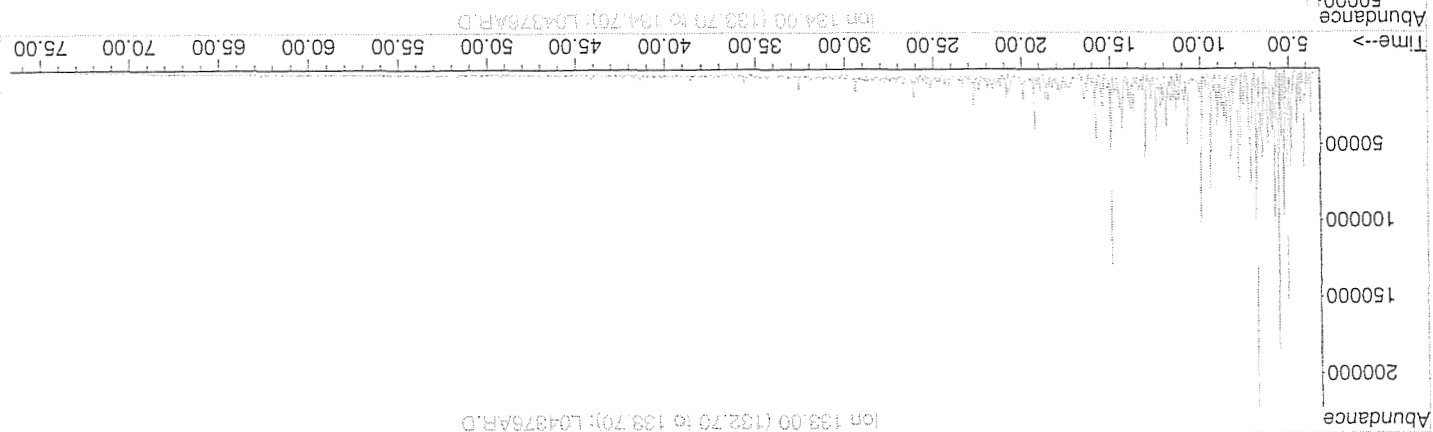
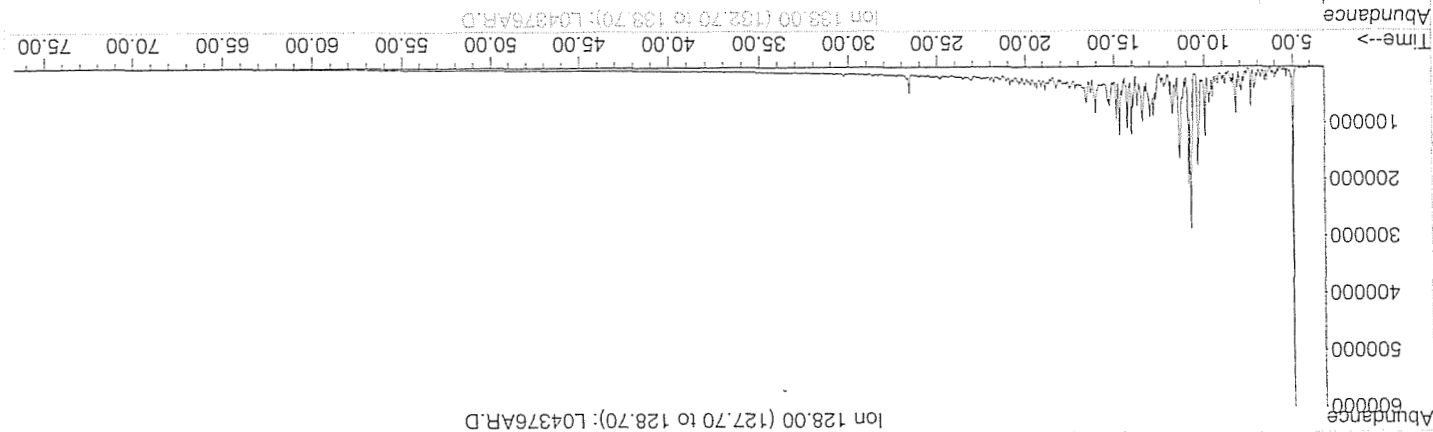
Sum of corrected areas: 793638

MARTINQUAN.M Thu Nov 09 07:17:25 2006

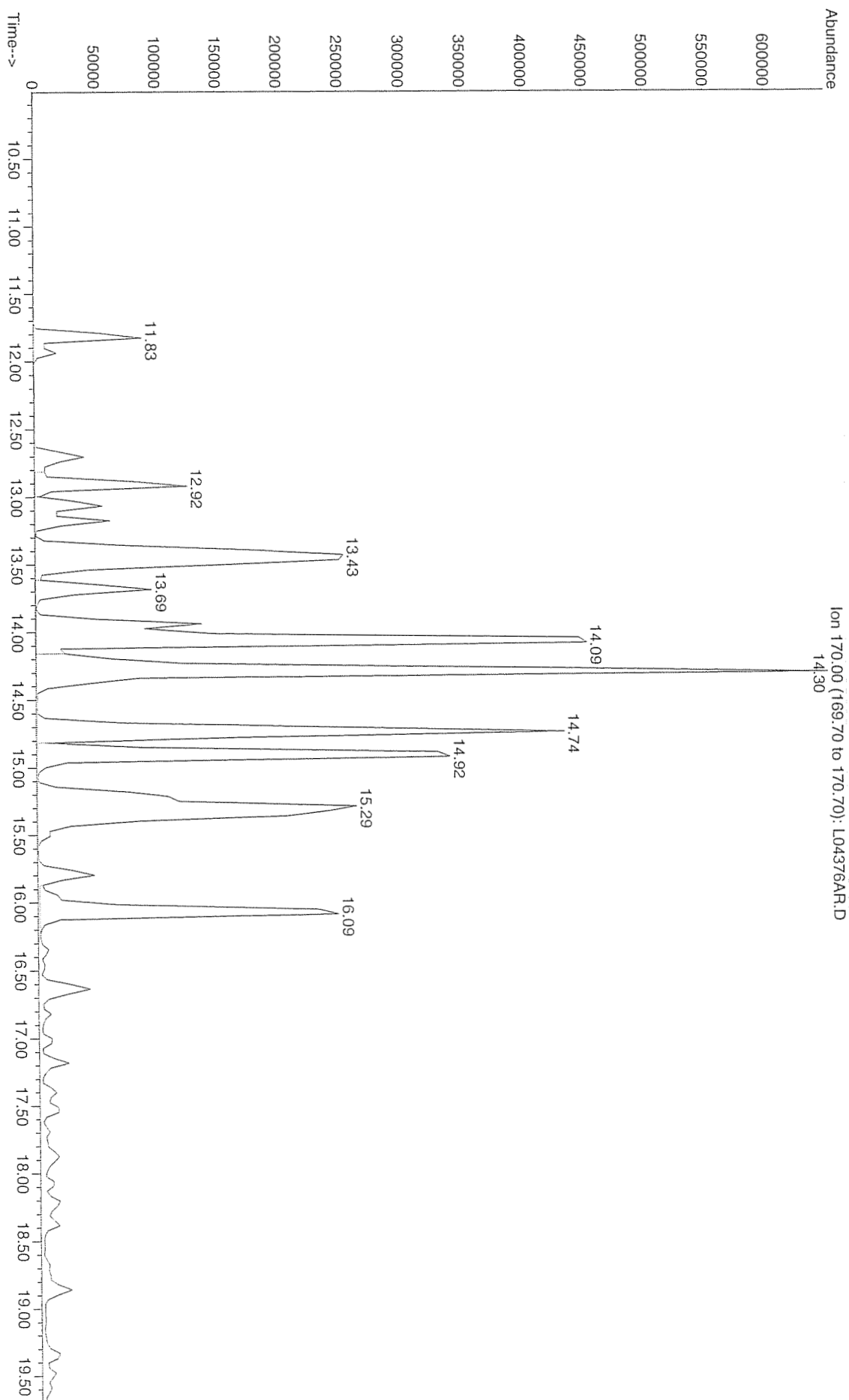
File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04376AR.D
Operator : sla
Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4376 Umial Oil Talisman Sample
Misc Info : 41.86 mg aromatics
Vial Number: 1



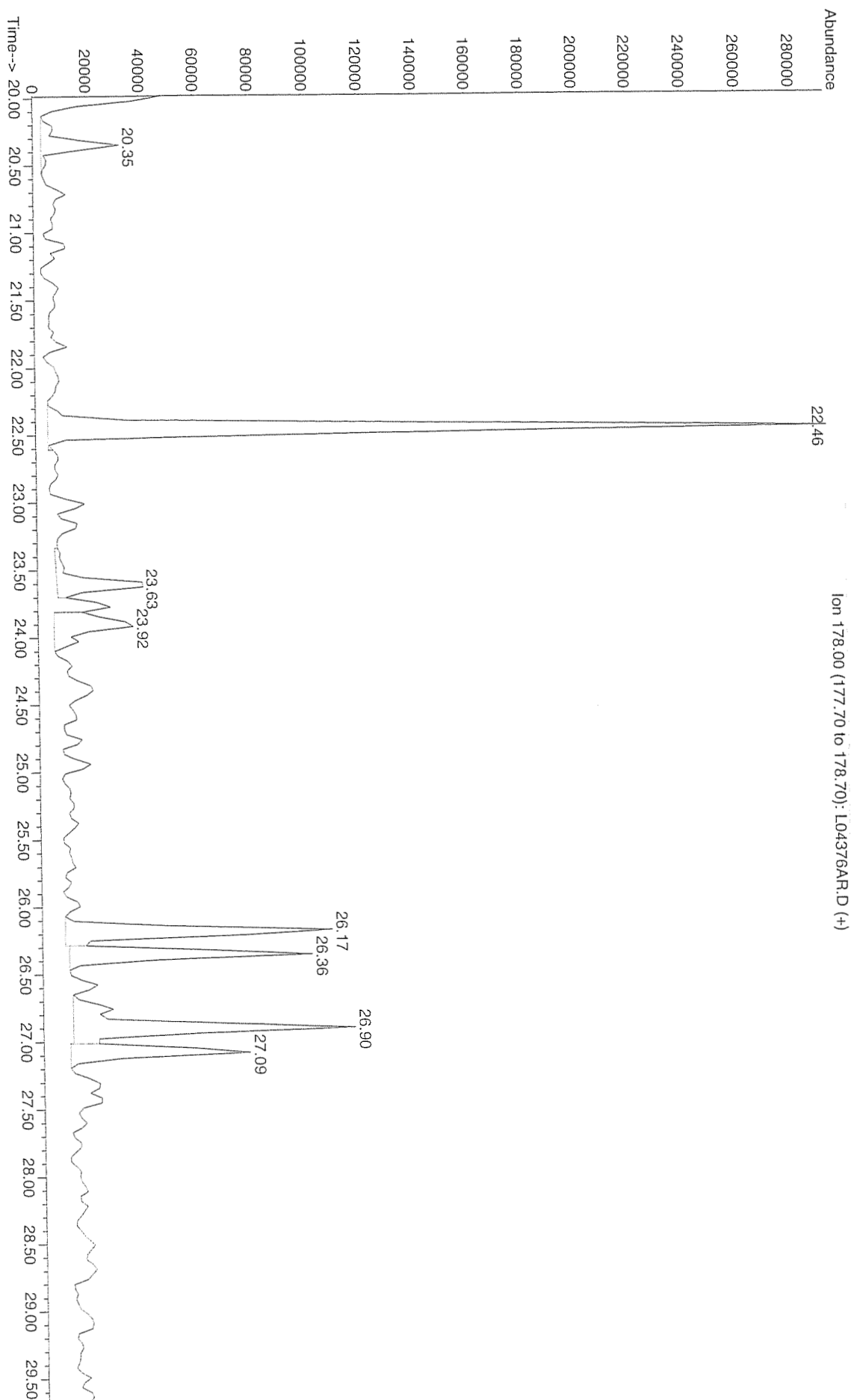
File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04376AR.D
 Operator : sla
 Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
 Instrument : 5973
 Sample Name: #4376 Unitat Oil Talisman Sample
 Misc Info : 41.86 mg aromatics
 Vial Number: 1



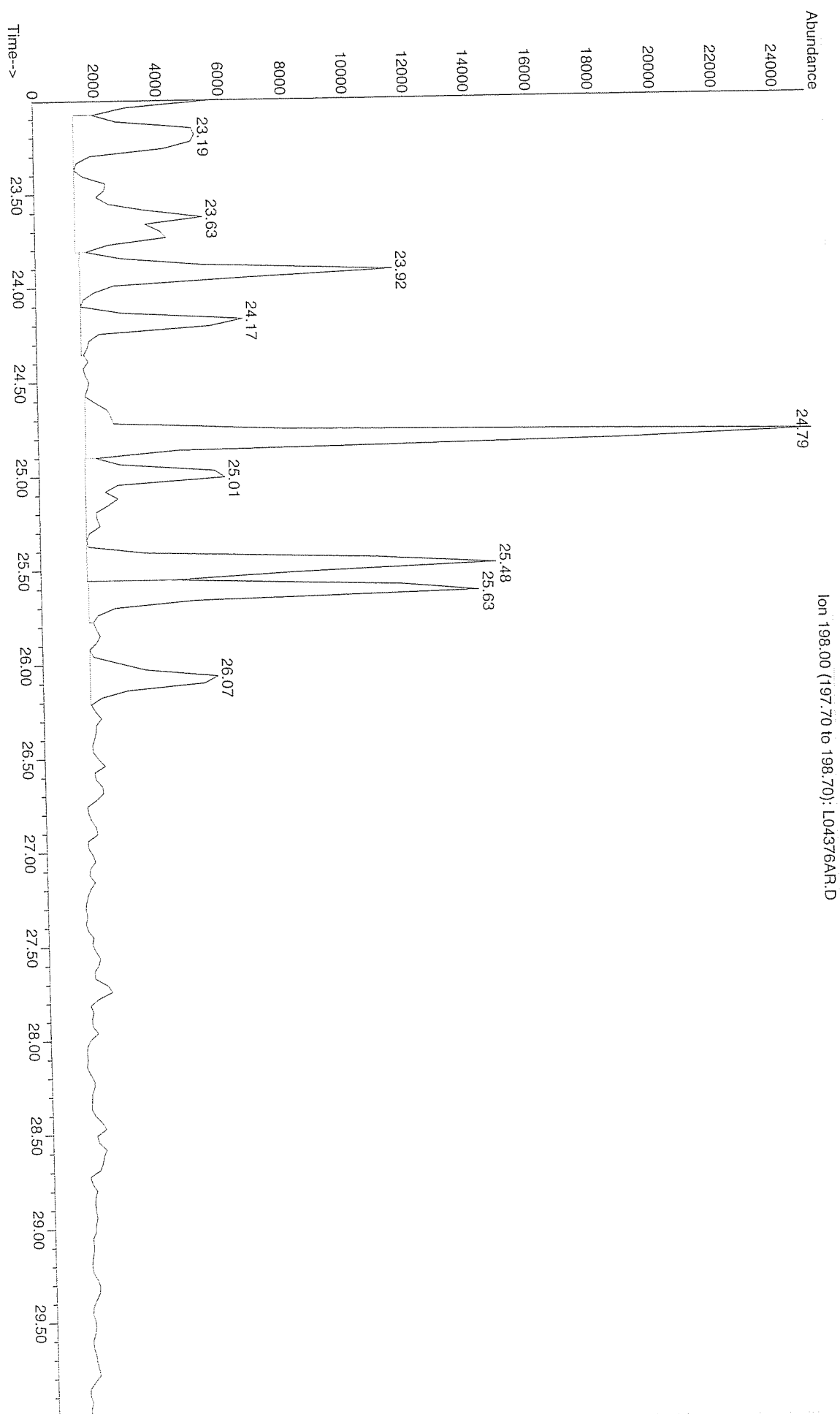
File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04376AR.D
Operator : sla
Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4376 Uniat Oil Talisman Sample
Misc Info : 41.86 mg aromatics
Vial Number: 1



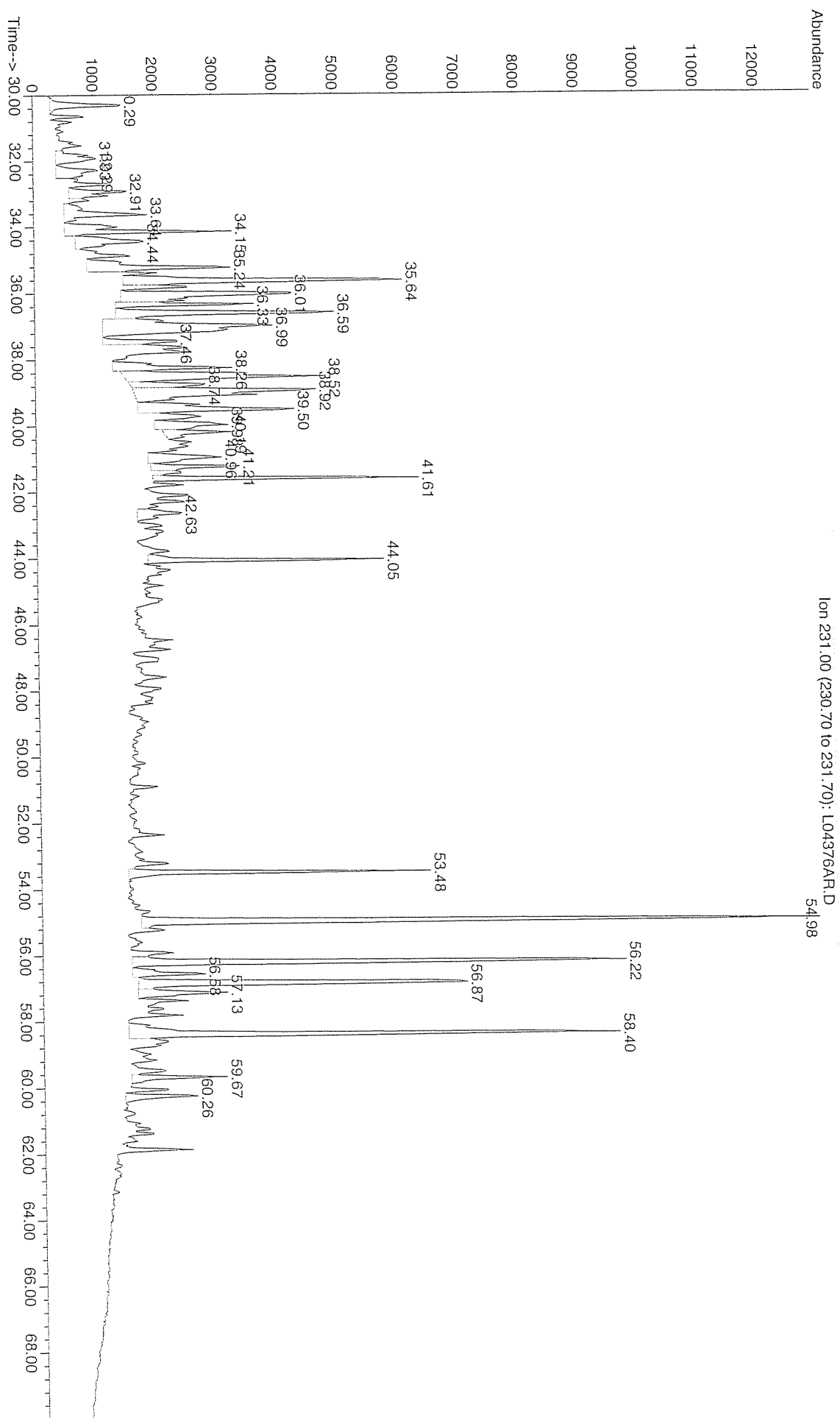
File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04376AR.D
Operator : sla
Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4376 Umiat Oil Talisman Sample
Misc Info : 41.86 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04376AR.D
Operator : sl
Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
Instrument : 5973
Sample Name : #4376 Umiat Oil Talisman Sample
Misc Info : 41.86 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04376AR.D
 Operator : sla
 Acquired : 31 Oct 2006 11:14 using AcqMethod AROSMO
 Instrument : 5973
 Sample Name : #4376 Umiat Oil Talisman Sample
 Misc Info : 41.86 mg aromatics
 Vial Number: 1



Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04377AR.D
Acq On : 31 Oct 2006 13:11
Operator : sla
Sample : #4377 Simpson Core Test-27 Talisman
Misc : 62.89 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 08:04:09 2006
Quant Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M
Quant Title : Triaromatics
QLast Update : Thu Nov 02 15:38:28 2006
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

Target Compounds					Qvalue
1) 4Me-DBT	24.65	198	3583	No Calib	
2) 3Me-DBT	25.59	198	15097	No Calib	
3) 1Me-DBT	26.03	198	2438	No Calib	
4) phenanthrene	22.28	178	4302	No Calib	
5) 3Me-phenanthrene	26.07	192	2604	No Calib	
6) 2Me-phenanthrene	26.39	192	1086	No Calib	
7) 9Me-phenanthrene	26.68	192	5241	No Calib	
8) 1Me-phenanthrene	26.90	192	4402	No Calib	
9) 1,3,7-TMN	13.98	170	4184	No Calib	
10) 1,3,6-TMN	14.19	170	7085	No Calib	
11) 1,3,5+1,4,6-TMN	14.67	170	3594	No Calib	
12) 2,3,6-TMN	14.81	170	2403	No Calib	
13) h (TMN)	15.91	170	4333	No Calib	
14) 20-TAS	41.61	231	22045	No Calib	
15) 21-TAS	44.05	231	25157	No Calib	
16) 26S-TAS	53.48	231	35476	No Calib	
17) 26R+27S-TAS	54.98	231	109929	No Calib	
18) 28S-TAS	56.21	231	81754	No Calib	
19) 27R-TAS	56.87	231	65300	No Calib	
20) 28R-TAS	58.40	231	76751	No Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MARTINQUAN.M Thu Nov 09 07:22:09 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04377AR.D
Acq On : 31 Oct 2006 13:11
Operator : sla
Sample : #4377 Simpson Core Test-27 Talisman
Misc : 62.89 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 170.00 (169.70 to 170.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	13.357	278	281	285	rBV2	495	3926	20.54%	3.143%
2	13.976	290	298	300	rBV4	610	4704	24.61%	3.766%
3	14.195	300	304	308	rBV3	1401	6709	35.10%	5.371%
4	14.668	314	317	319	rBV	621	3594	18.80%	2.877%
5	14.814	319	321	323	rVV2	529	2145	11.22%	1.717%
6	15.251	328	333	340	rBV3	911	11129	58.23%	8.910%
7	15.651	340	344	348	rBV2	604	5698	29.81%	4.562%
8	15.906	348	351	354	rBV2	703	4333	22.67%	3.469%
9	16.088	354	356	361	rBV3	1439	9292	48.62%	7.439%
10	16.416	361	365	373	rVB2	2904	19112	100.00%	15.301%
11	16.780	373	375	381	rBV5	1369	10210	53.42%	8.174%
12	17.108	381	384	390	rBV5	856	9230	48.29%	7.389%
13	17.472	392	394	396	rBV2	785	4201	21.98%	3.363%
14	18.091	409	411	415	rVB3	1252	7037	36.82%	5.634%
15	18.419	418	420	425	rBV4	633	6650	34.79%	5.324%
16	18.710	425	428	435	rBV6	964	9600	50.23%	7.686%
17	19.256	438	443	444	rBV3	916	7339	38.40%	5.875%

Sum of corrected areas: 124909

MARTINQUAN.M Thu Nov 09 07:20:27 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04377AR.D
 Acq On : 31 Oct 2006 13:11
 Operator : sla
 Sample : #4377 Simpson Core Test-27 Talisman
 Misc : 62.89 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 10 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 178.00 (177.70 to 178.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	20.166	466	468	471	rVB	786	3406	10.93%	1.542%
2	20.421	471	475	479	rBV5	618	4982	15.98%	2.256%
3	21.295	497	499	503	rBV3	391	3269	10.49%	1.480%
4	21.623	503	508	510	rBV	607	5682	18.23%	2.573%
5	21.951	515	517	522	rBV	880	6421	20.60%	2.907%
6	22.278	522	526	528	rBV4	691	5001	16.04%	2.264%
7	22.788	533	540	542	rBV4	1716	11075	35.53%	5.015%
8	22.970	542	545	547	rBV4	1111	6404	20.54%	2.900%
9	23.152	547	550	554	rVV4	1864	11122	35.68%	5.036%
10	23.371	554	556	558	rVV2	891	3950	12.67%	1.789%
11	23.808	566	568	570	rBV3	1309	8103	26.00%	3.669%
12	24.390	575	584	589	rVV3	1061	19875	63.76%	8.999%
13	24.645	589	591	595	rVV3	1058	6017	19.30%	2.724%
14	25.410	609	612	614	rBV3	1332	7758	24.89%	3.513%
15	25.665	616	619	621	rVV3	2078	11809	37.88%	5.347%
16	25.920	621	626	629	rVB4	3383	22883	73.41%	10.361%
17	26.174	630	633	638	rVV6	1229	10253	32.89%	4.642%
18	26.903	650	653	658	rVB4	1973	13685	43.90%	6.196%
19	27.158	658	660	667	rVB5	1594	17830	57.20%	8.073%
20	27.558	667	671	674	rBV2	4059	31171	100.00%	14.114%
21	29.488	722	724	726	rBV3	1411	10158	32.59%	4.599%

Sum of corrected areas: 220854

MARTINQUAN.M Thu Nov 09 07:21:08 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04377AR.D
Acq On : 31 Oct 2006 13:11
Operator : sla
Sample : #4377 Simpson Core Test-27 Talisman
Misc : 62.89 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 198.00 (197.70 to 198.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	23.480	554	559	566	rBV6	323	3668	24.30%	7.549%
2	23.808	566	568	570	rBV3	270	1527	10.11%	3.143%
3	24.354	579	583	586	rVB4	290	2272	15.05%	4.676%
4	24.645	586	591	596	rBV7	398	3740	24.77%	7.697%
5	24.936	597	599	605	rVV7	1051	5709	37.82%	11.749%
6	25.592	613	617	621	rBV4	2069	15097	100.00%	31.070%
7	25.810	622	623	626	rVV3	352	1861	12.33%	3.830%
8	26.029	626	629	633	rVB3	194	2322	15.38%	4.779%
9	26.611	643	645	649	rBV3	236	1794	11.88%	3.692%
10	27.558	666	671	673	rBV2	196	1663	11.02%	3.423%
11	28.177	683	688	692	rBV3	202	2051	13.59%	4.221%
12	28.978	703	710	718	rVV9	315	5145	34.08%	10.589%
13	29.488	718	724	726	rVV6	132	1741	11.53%	3.583%

Sum of corrected areas: 48590

MARTINQUAN.M Thu Nov 09 07:21:36 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04377AR.D
Acq On : 31 Oct 2006 13:11
Operator : sla
Sample : #4377 Simpson Core Test-27 Talisman
Misc : 62.89 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

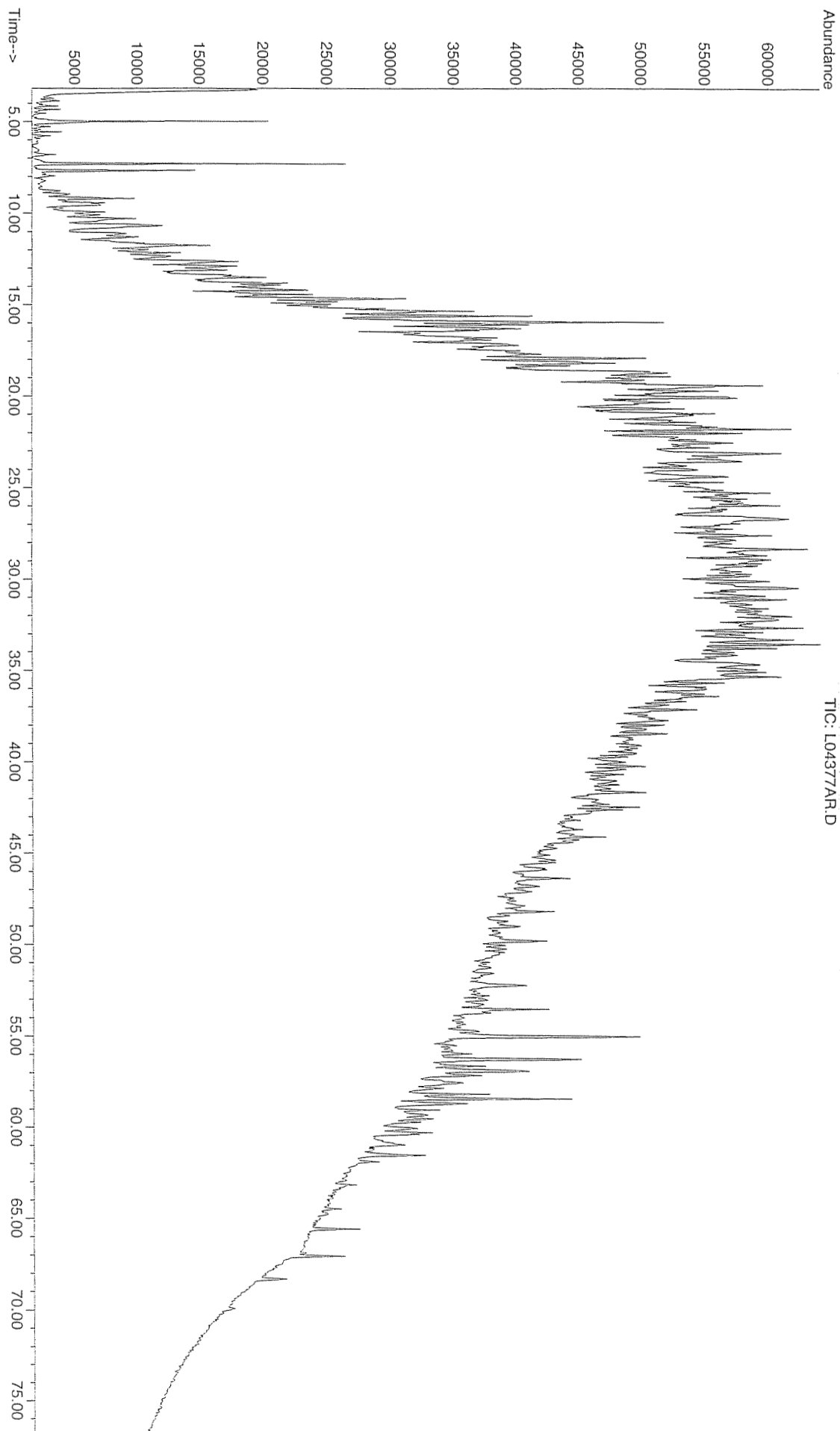
Signal : EIC Ion 231.00 (230.70 to 231.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	36.042	897	904	907	rBV5	1074	11977	11.30%	2.251%
2	37.135	928	934	939	rVB4	1018	10876	10.26%	2.044%
3	37.426	939	942	950	rBV5	1041	15101	14.25%	2.838%
4	39.538	994	1000	1002	rBV3	1290	11932	11.26%	2.243%
5	40.193	1015	1018	1024	rBV2	1254	13974	13.19%	2.626%
6	41.613	1053	1057	1061	rBV2	4125	20770	19.60%	3.904%
7	44.053	1120	1124	1128	rVB	4284	23300	21.99%	4.379%
8	53.484	1380	1383	1391	rVB3	6077	33928	32.01%	6.376%
9	54.977	1420	1424	1429	rBV	15006	105977	100.00%	19.917%
10	56.215	1453	1458	1462	rVB	11244	82001	77.38%	15.411%
11	56.870	1471	1476	1480	rBV2	7893	64714	61.06%	12.162%
12	57.162	1480	1484	1488	rVB3	2225	18603	17.55%	3.496%
13	58.400	1508	1518	1522	rBV2	11843	82082	77.45%	15.427%
14	59.711	1551	1554	1561	rVB2	1993	13901	13.12%	2.613%
15	60.257	1566	1569	1575	rVB2	1804	11212	10.58%	2.107%
16	61.859	1611	1613	1620	rVB2	2020	11732	11.07%	2.205%

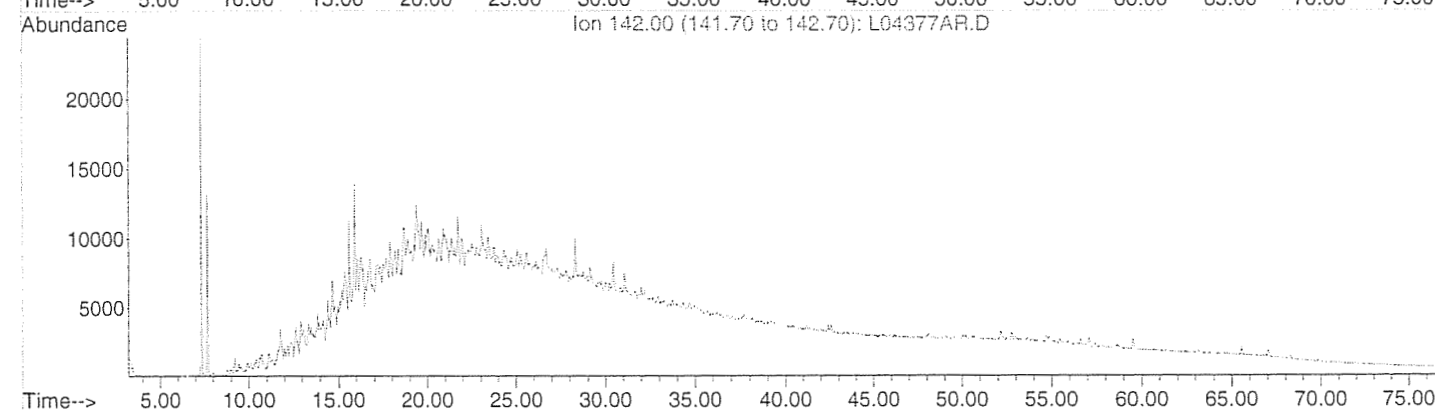
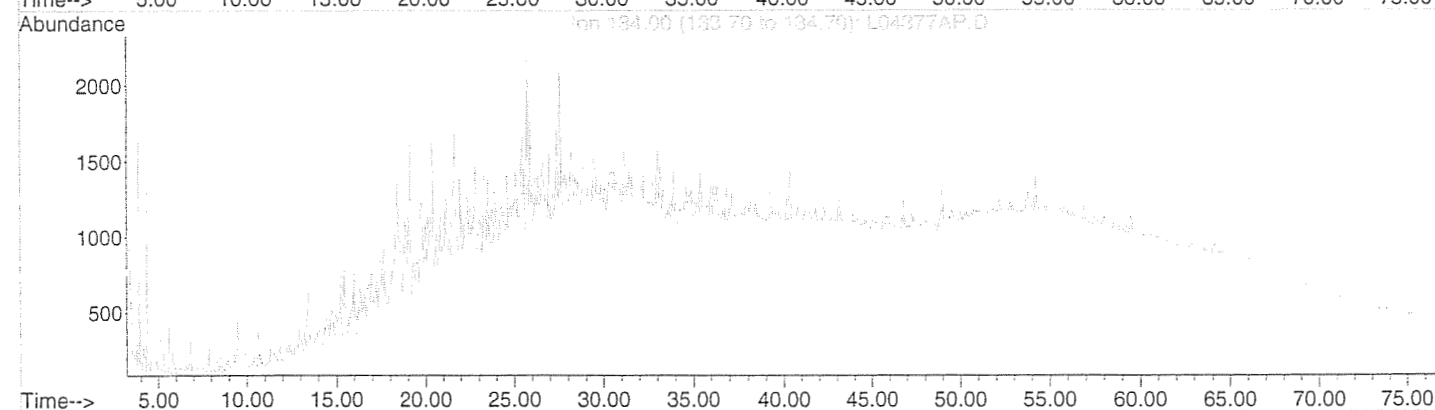
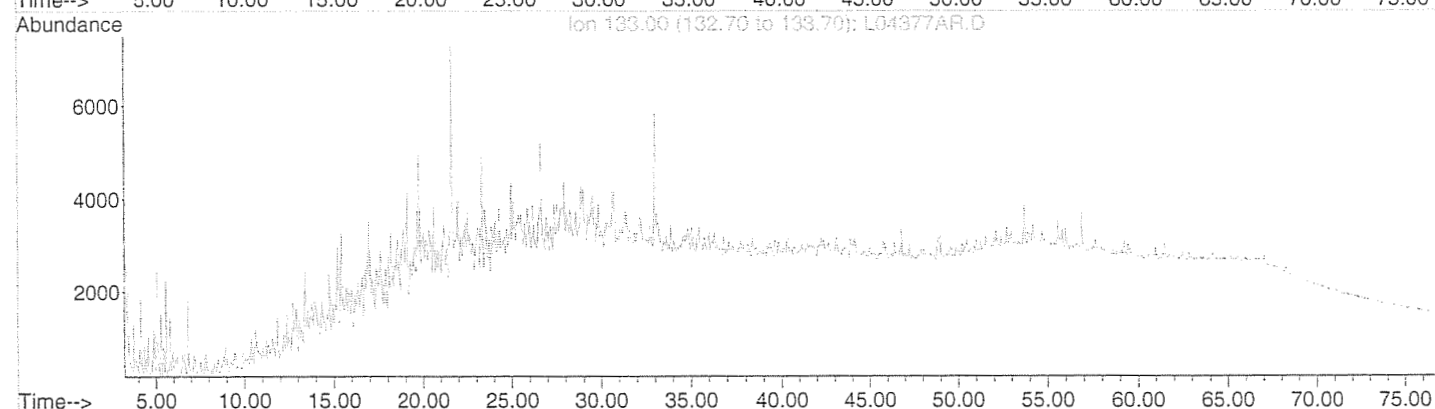
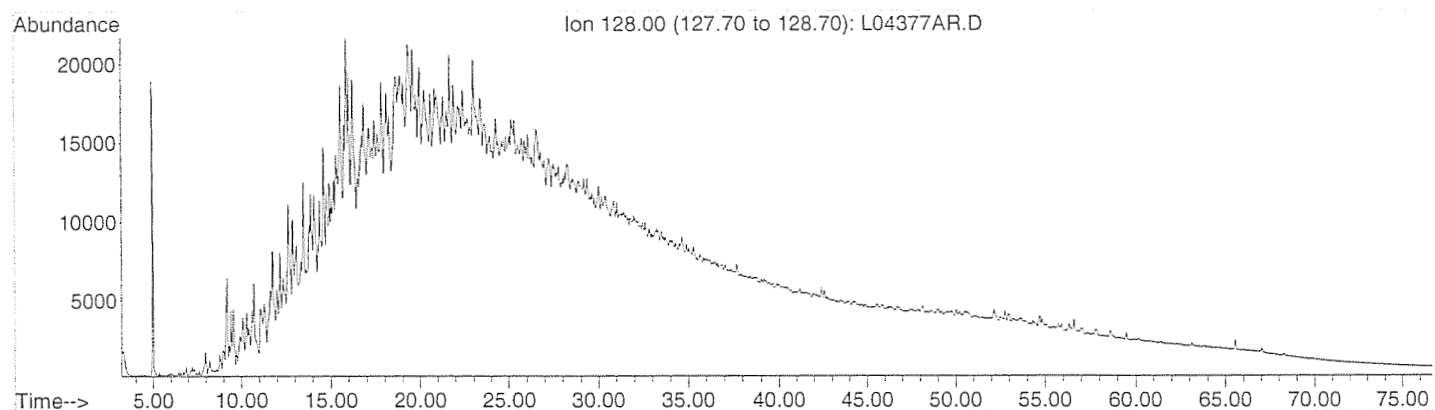
Sum of corrected areas: 532080

MARTINQUAN.M Thu Nov 09 07:22:00 2006

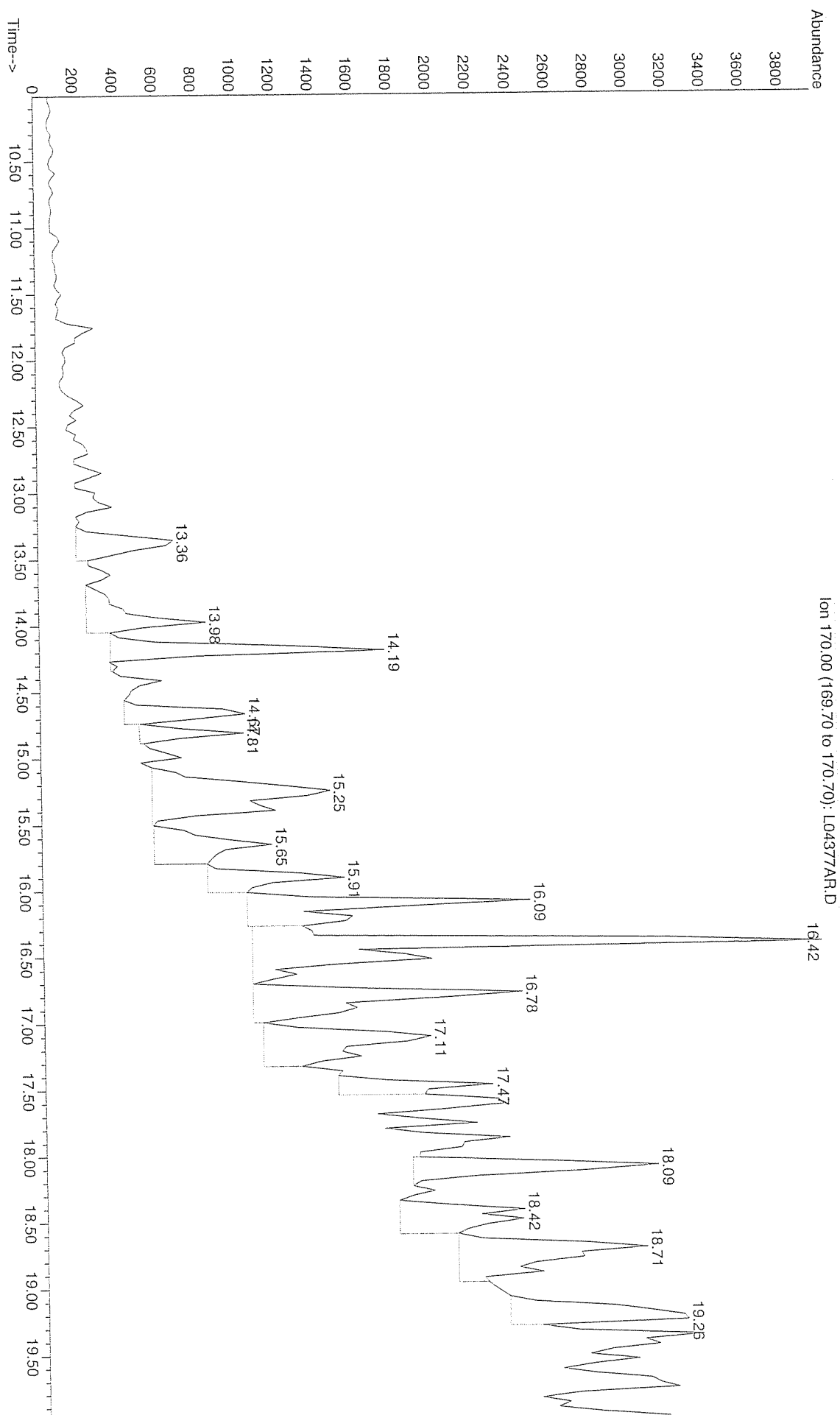
File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04377AR.D
Operator : sla
Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
Instrument : 5973
Sample Name : #4377 Simpson Core Test-27 Talisman
Misc Info : 62.89 mg aromatics
Vial Number : 1



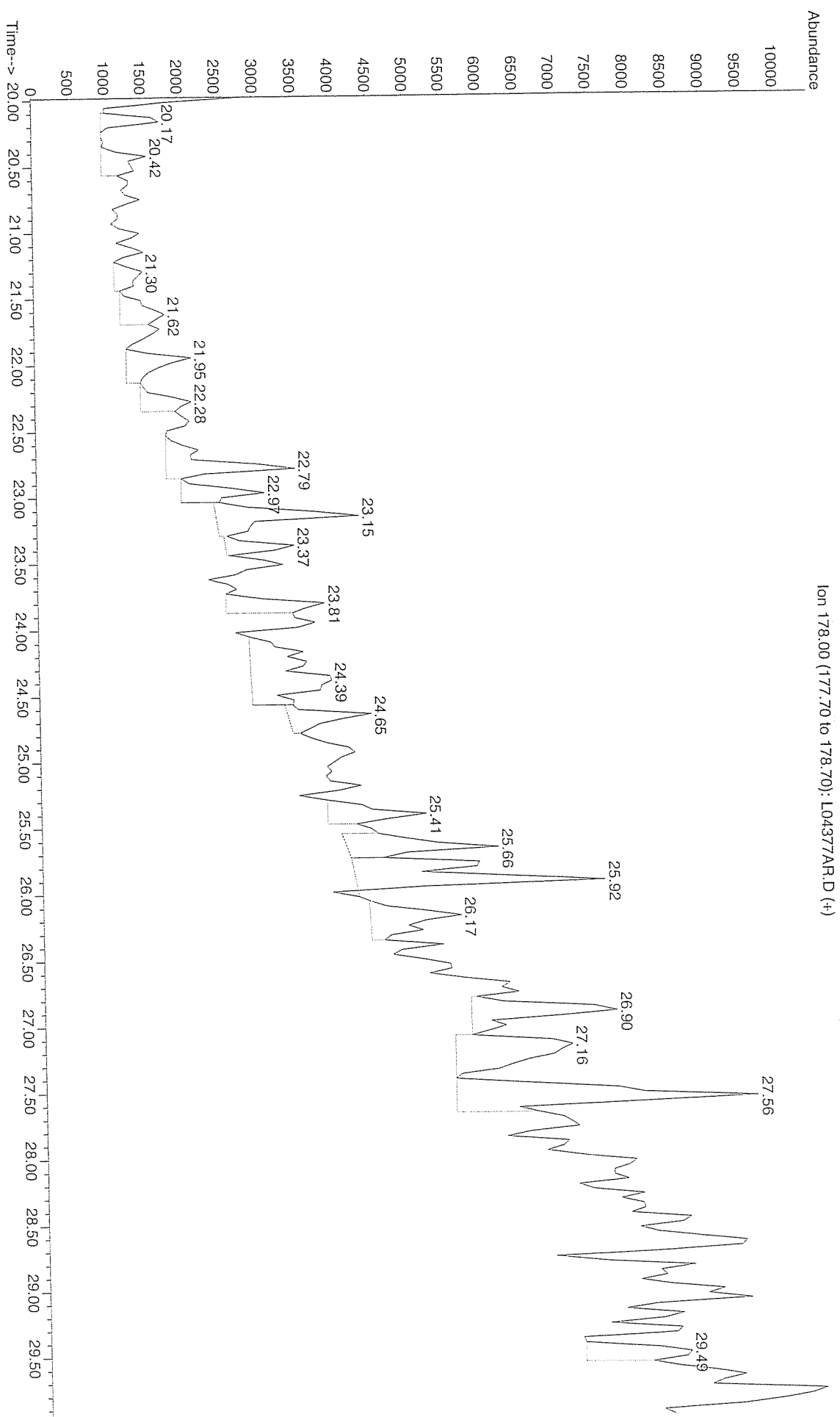
File :\\s5-cal-tiger\\msd_data\\Lab\\cost_recovery\\L04377AR.D
Operator : sla
Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4377 Simpson Core Test-27 Talisman
Misc Info : 62.89 mg aromatics
Vial Number: 1



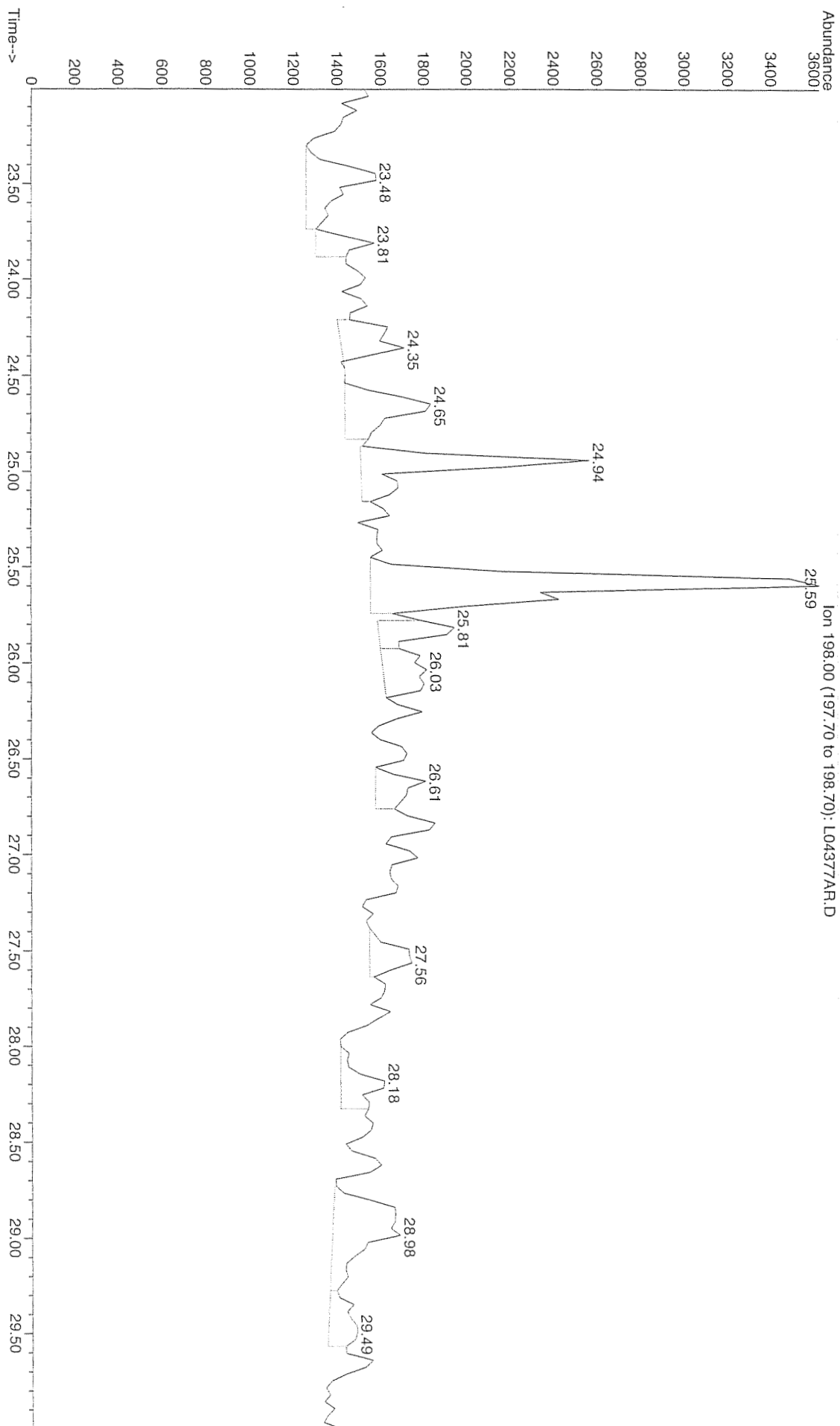
File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04377AR.D
Operator : sla
Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4377 Simpson Core Test-27 Talisman
Misc Info : 62.89 mg aromatics
Vial Number: 1



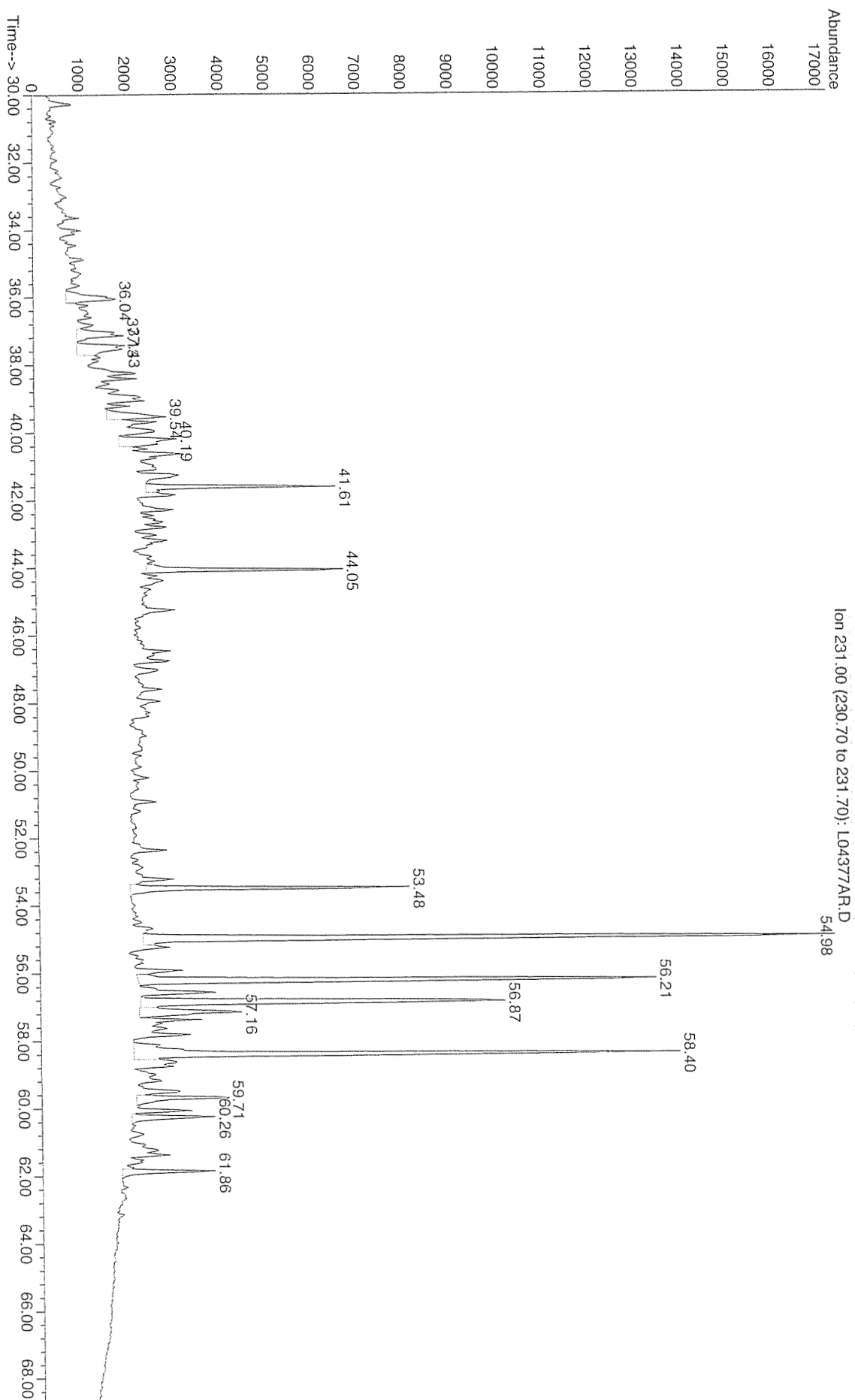
File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04377AR.D
Operator : sla
Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4377 Simpson Core Test-27 Talisman
Misc Info : 62.89 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04377AR.D
Operator : sla
Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4377 Simpson Core Test-27 Talisman
Misc Info : 62.89 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04377AR.D
 Operator : sla
 Acquired : 31 Oct 2006 13:11 using AcqMethod AROSMO
 Instrument : 5973
 Sample Name: #4377 Simpson Core Test-27 Talisman
 Misc Info : 62.89 mg aromatics
 Vial Number: 1



Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04378AR.D
 Acq On : 1 Nov 2006 9:36
 Operator : sla
 Sample : #4378 S.Barrow #12 Sag River Talisman Sample
 Misc : 55.21 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 08 08:06:41 2006
 Quant Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M
 Quant Title : Triaromatics
 QLast Update : Thu Nov 02 15:38:28 2006
 Response via : Initial Calibration

Internal Standards	R.T.	Qion	Response	Conc	Units	Dev (Min)

Target Compounds						Qvalue
1) 4Me-DBT	24.75	198	162670	No	Calib	
2) 3Me-DBT	25.45	198	100164	No	Calib	
3) 1Me-DBT	26.03	198	58031	No	Calib	
4) phenanthrene	22.39	178	308718	No	Calib	
5) 3Me-phenanthrene	26.14	192	139218	No	Calib	
6) 2Me-phenanthrene	26.32	192	142136	No	Calib	
7) 9Me-phenanthrene	26.83	192	176368	No	Calib	
8) 1Me-phenanthrene	27.01	192	128364	No	Calib	
9) 1,3,7-TMN	14.01	170	293897	No	Calib	
10) 1,3,6-TMN	14.23	170	429347	No	Calib	
11) 1,3,5+1,4,6-TMN	14.67	170	330792	No	Calib	
12) 2,3,6-TMN	14.85	170	246220	No	Calib	
13) h (TMN)	15.98	170	130031	No	Calib	
14) 20-TAS	41.58	231	34927	No	Calib	
15) 21-TAS	44.05	231	33831	No	Calib	
16) 26S-TAS	53.48	231	46601	No	Calib	
17) 26R+27S-TAS	54.94	231	78700	No	Calib	
18) 28S-TAS	56.21	231	47466	No	Calib	
19) 27R-TAS	56.83	231	32276	No	Calib	
20) 28R-TAS	58.40	231	40708	No	Calib	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MARTINQUAN.M Thu Nov 09 07:24:38 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04378AR.D
Acq On : 1 Nov 2006 9:36
Operator : sla
Sample : #4378 S.Barrow #12 Sag River Talisman Sample
Misc : 55.21 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 170.00 (169.70 to 170.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	12.847	265	267	269	rVV	12988	47299	11.11%	2.117%
2	13.393	278	282	286	rVV	31462	242329	56.93%	10.846%
3	13.612	286	288	293	rVB2	11619	54110	12.71%	2.422%
4	14.012	293	299	301	rBV	63883	390815	91.81%	17.492%
5	14.231	301	305	312	rVB2	90269	425672	100.00%	19.052%
6	14.668	312	317	319	rBV	71173	328631	77.20%	14.709%
7	14.850	319	322	326	rVV2	48932	243266	57.15%	10.888%
8	15.214	326	332	341	rVB4	38597	378571	88.93%	16.944%
9	15.979	349	353	359	rVB3	24274	123544	29.02%	5.530%

Sum of corrected areas: 2234237

MARTINQUAN.M Thu Nov 09 07:23:06 2006

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04378AR.D
 Acq On : 1 Nov 2006 9:36
 Operator : sla
 Sample : #4378 S.Barrow #12 Sag River Talisman Sample
 Misc : 55.21 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

Signal : EIC Ion 178.00 (177.70 to 178.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	22.387	524	529	533	rVV	63934	305438	100.00%	27.226%
2	23.552	553	561	563	rVV3	8000	44817	14.67%	3.995%
3	23.844	563	569	575	rVB5	8562	90280	29.56%	8.047%
4	24.353	579	583	586	rVV4	3805	32299	10.57%	2.879%
5	26.138	629	632	634	rBV	30780	137018	44.86%	12.214%
6	26.320	634	637	640	rVB	26903	140244	45.92%	12.501%
7	26.829	645	651	654	rVV	33874	198852	65.10%	17.726%
8	27.012	654	656	660	rVB2	26429	126390	41.38%	11.266%
9	27.376	660	666	669	rBV4	4596	46503	15.23%	4.145%

Sum of corrected areas: 1121841

MARTINQUAN.M Thu Nov 09 07:23:46 2006

Area Percent Report

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
Data File : L04378AR.D
Acq On : 1 Nov 2006 9:36
Operator : sla
Sample : #4378 S.Barrow #12 Sag River Talisman Sample
Misc : 55.21 mg aromatics
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 10 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M
Title : Triaromatics

Signal : EIC Ion 198.00 (197.70 to 198.70)

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	23.880	567	570	574	rVV3	3347	16376	10.25%	4.786%
2	24.754	584	594	597	rBV	34974	159711	100.00%	46.682%
3	25.446	609	613	625	rBV	17310	113398	71.00%	33.145%
4	26.028	625	629	633	rBV3	10338	52644	32.96%	15.387%

Sum of corrected areas: 342129

MARTINQUAN.M Thu Nov 09 07:24:09 2006

END

Data Path : \\s5-cal-tiger\msd_data\Lab\cost_recovery\
 Data File : L04378AR.D
 Acq On : 1 Nov 2006 9:36
 Operator : sla
 Sample : #4378 S.Barrow #12 Sag River Talisman Sample
 Misc : 55.21 mg aromatics
 ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 10 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : C:\MSDCHEM\1\METHODS\MARTINQUAN.M

Title : Triaromatics

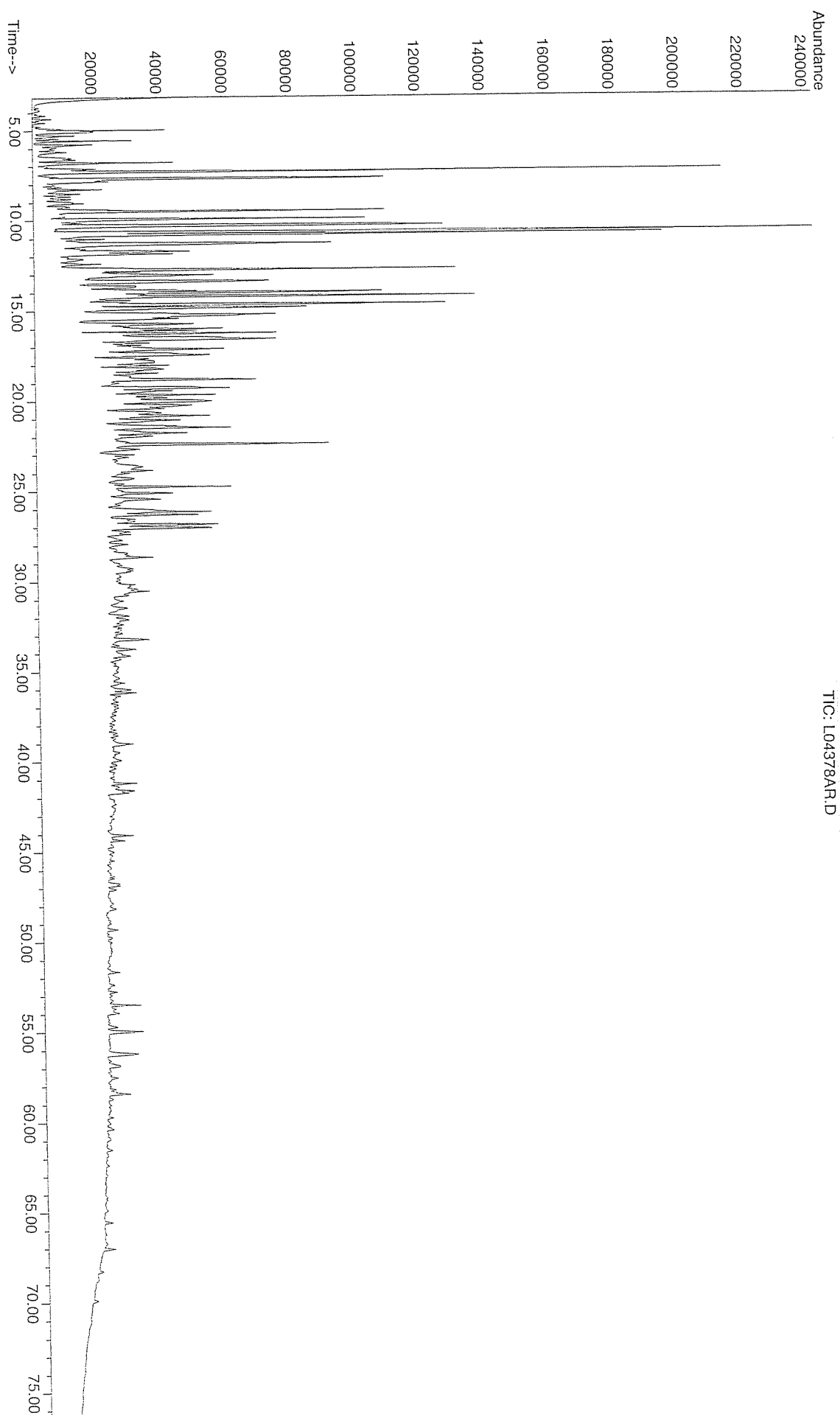
Signal : EIC Ion 231.00 (230.70 to 231.70)

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	35.605	887	892	899	rBV4	867	10374	12.73%	2.734%
2	36.042	899	904	908	rBV3	874	9427	11.57%	2.484%
3	37.134	928	934	938	rVB6	759	10778	13.23%	2.840%
4	39.028	980	986	989	rVV4	911	9211	11.31%	2.427%
5	41.577	1053	1056	1066	rVB2	6501	36145	44.37%	9.525%
6	44.053	1118	1124	1128	rVV2	6691	32173	39.49%	8.478%
7	46.456	1187	1190	1195	rVV	2092	9458	11.61%	2.492%
8	46.747	1195	1198	1202	rVB3	1873	9237	11.34%	2.434%
9	53.484	1380	1383	1391	rVB	9661	46836	57.49%	12.342%
10	54.940	1414	1423	1436	rVB	10861	81464	100.00%	21.467%
11	56.215	1453	1458	1462	rVB2	6036	45166	55.44%	11.902%
12	56.834	1471	1475	1480	rBV2	3529	30604	37.57%	8.065%
13	58.399	1513	1518	1524	rVV	6274	39600	48.61%	10.435%
14	59.674	1550	1553	1558	rVB2	1617	9016	11.07%	2.376%

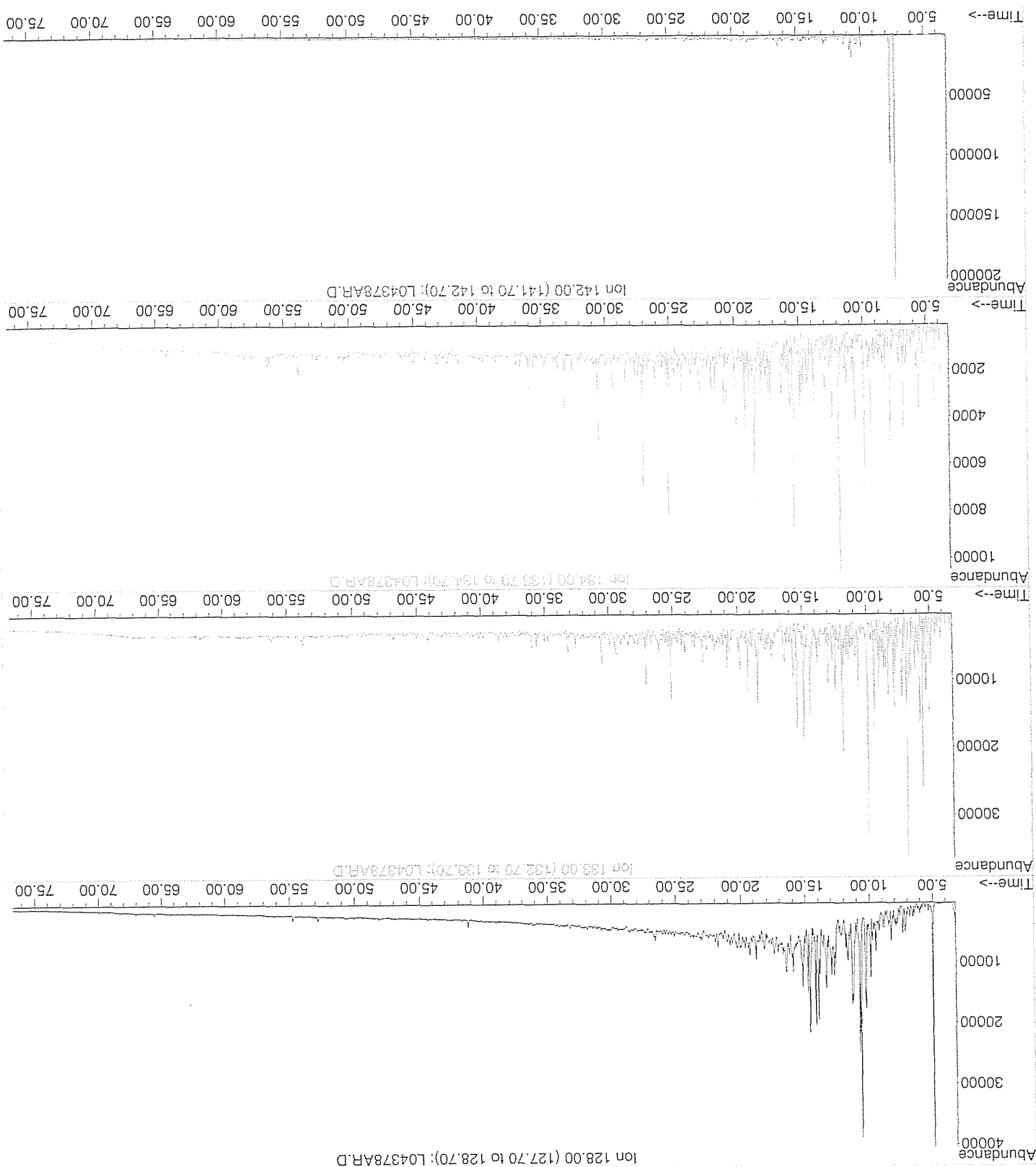
Sum of corrected areas: 379489

MARTINQUAN.M Thu Nov 09 07:24:30 2006

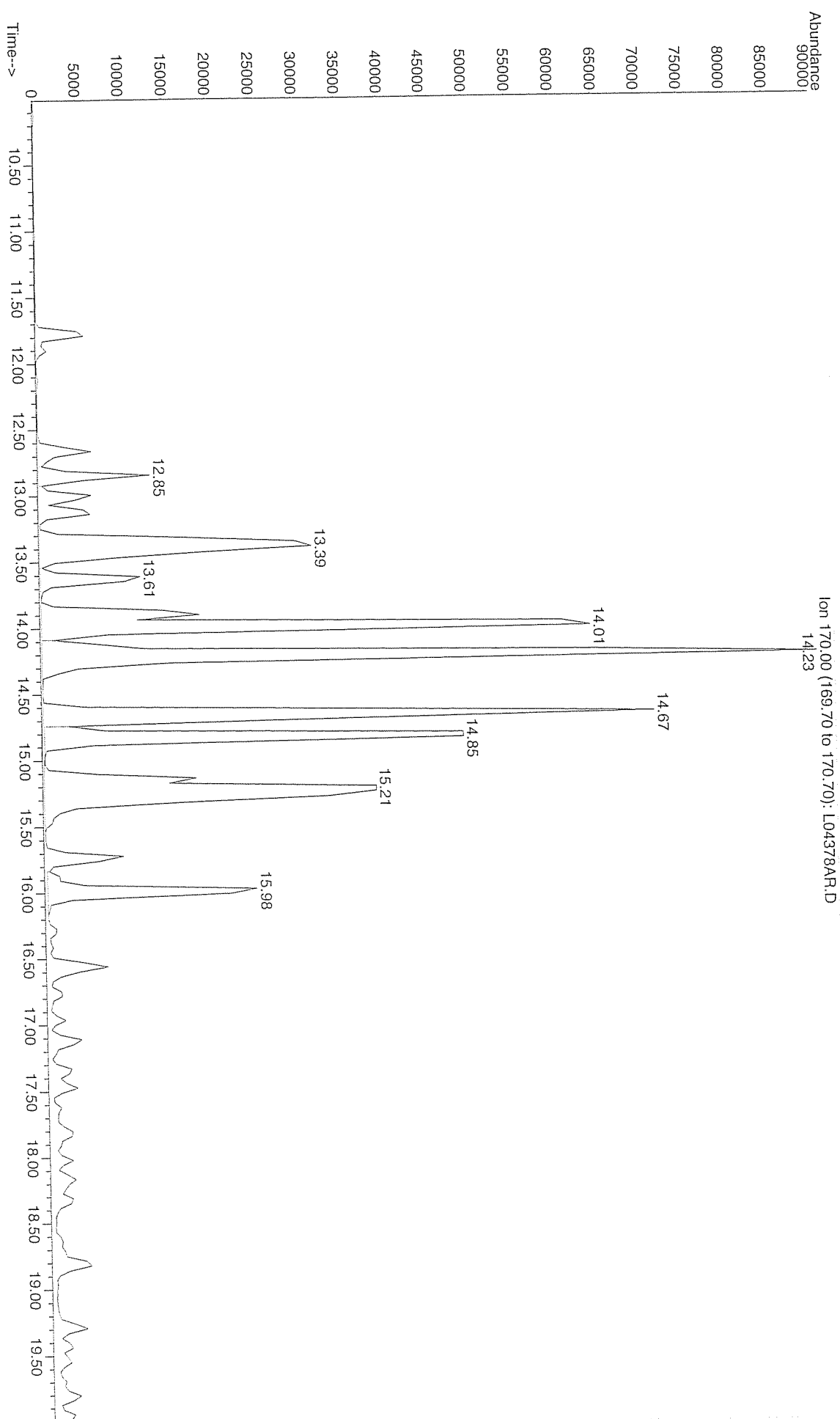
File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04378AR.D
Operator : sla
Acquired : 1 Nov 2006 9:36 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4378 S.Barrow #12 Sag River Talisman Sample
Misc Info : 55.21 mg aromatics
Vial Number: 1



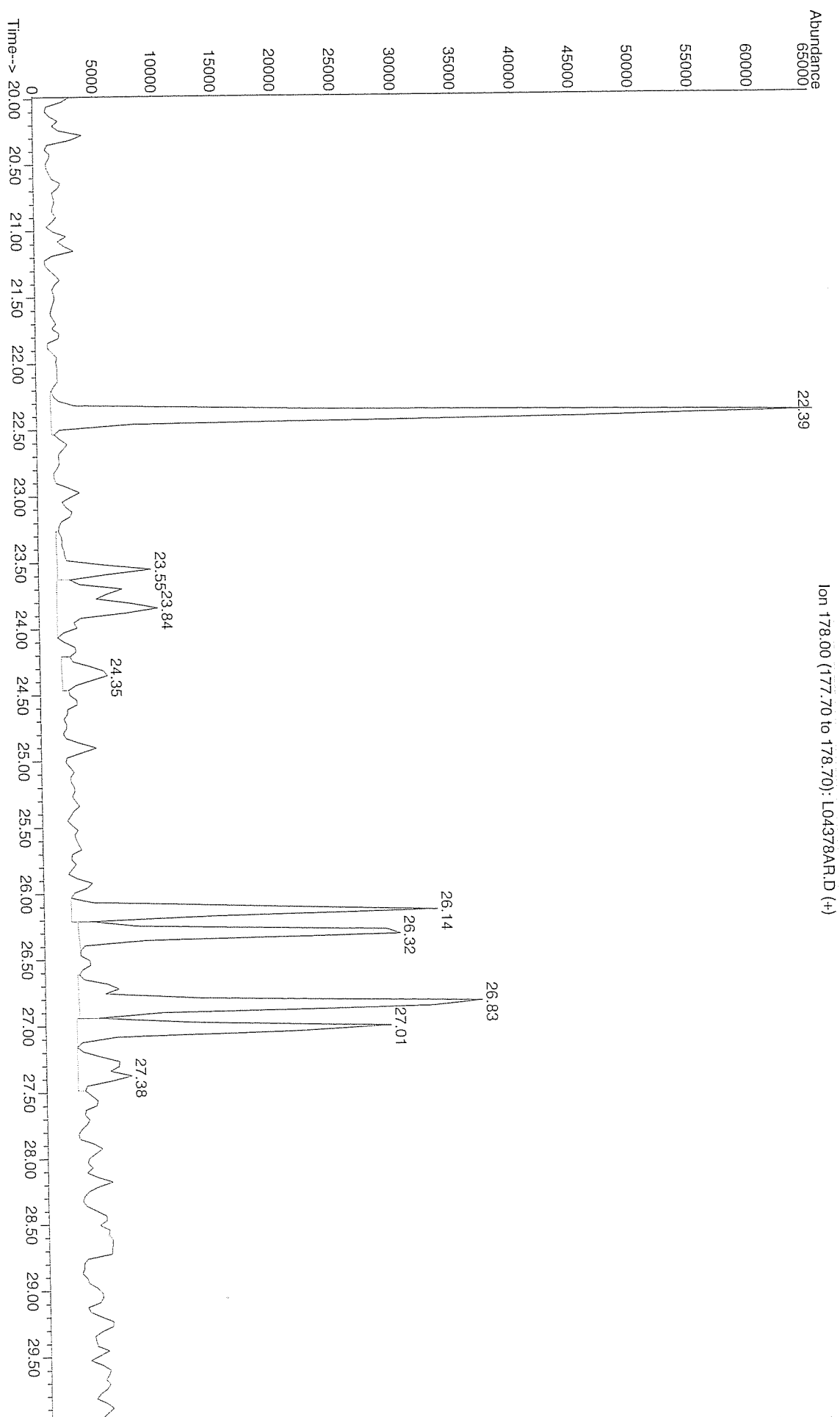
File : \\s5-cal-tiger\\msd_data\\Lab\\cost_recovery\\L04378AR.D
 Operator : sla
 Acquired : 1 Nov 2006 9:36 using AcqMethod AROSMO
 Instrument : 5973
 Sample Name : #4378 S.Barrow #12 Sag River Talisman Sample
 Misc Info : 55.21 mg aromatics
 Vial Number: 1



File : \\s5-cal-tiger\msd_data\lab\cost_recovery\L04378AR.D
Operator : sla
Acquired : 1 Nov 2006 9:36 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4378 S.Barrow #12 Sag River Talisman Sample
Misc Info : 55.21 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04378AR.D
Operator : sla
Acquired : 1 Nov 2006 9:36 using AcqMethod AROSMO
Instrument : 5973
Sample Name : #4378 S. Barrow #12 Sag River Talisman Sample
Misc Info : 55.21 mg aromatics
Vial Number: 1



File : \\s5-cal-tiger\msd_data\Lab\cost_recovery\L04378AR.D
Operator : sla
Acquired : 1 Nov 2006 9:36 using AcqMethod AROSMO
Instrument : 5973
Sample Name: #4378 S.Barrow #12 Sag River Talisman Sample
Misc Info : 55.21 mg aromatics
Vial Number: 1

