Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016018.D
Acq On : 20 Feb 2015 1:44
Operator : TP/IZ
Sample : MDL-03-S
Misc : MDL-SOIL-3PPM-SOM0
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 20 07:26:59 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 07:16:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	87208	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	388613	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	236641	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.17	188	497524	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	534537	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	521186	20.00	ng/ul	0.00
System Monitoring Compounds						
3) Phenol-d5	6.97	99	272496	32.84	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	171168	34.93	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	210684	34.32	ng/ul	0.00
11) 4-Methylphenol-d8	8.51	113	207987	33.87	ng/ul	0.00
17) Nitrobenzene-d5	8.97	128	104194	37.94	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	95214	37.58	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	178544	32.49	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	323715	53.47	ng/ul	0.00
41) Dimethylphthalate-d6	13.85	166	579348	36.62	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	765051	34.17	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	92512	29.08	ng/ul	0.00
55) Fluorene-d10	15.43	176	552644	34.75	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	40684	21.21	ng/ul	0.00
68) Anthracene-d10	17.27	188	845760	35.84	ng/ul	0.00
76) Pyrene-d10	19.56	212	909933	36.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	848407	35.90	ng/ul	0.00
Target Compounds						Qvalue
2) Benzaldehyde	6.98	77	240	0.05	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.23	93	1209	0.18	ng/ul	95
10) 2,2'-oxybis(1-Chloropropan	8.50	45	1319	0.15	ng/ul#	67
13) N-Nitroso-di-n-propylamine	8.51	70	4892	0.93	ng/ul#	1
18) Nitrobenzene	8.96	77	472	0.07	ng/ul#	27
19) Isophorone	9.68	82	5639	0.40	ng/ul#	60
26) Naphthalene	10.74	128	239	0.01	ng/ul#	1
30) Caprolactam	11.55	113	123	0.05	ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.63	216	206	0.03	ng/ul#	25
42) Dimethylphthalate	13.84	163	306	0.02	ng/ul#	1
50) 4-Nitrophenol	14.75	109	1213	0.66	ng/ul#	1
56) Fluorene	15.43	166	1378	0.07	ng/ul#	23
58) 4-Nitroaniline	15.43	138	123	0.03	ng/ul#	1
62) N-Nitrosodiphenylamine	15.54	169	74	0.00	ng/ul#	23
69) Anthracene	17.28	178	227	0.01	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.23	216	16048	2.54	ng/uL	94
71) Pentachlorobenzene	14.75	250	31982	5.16	ng/uL	92
73) Di-n-butylphthalate	18.14	149	474	0.02	ng/ul#	78
77) Pyrene	19.57	202	1405	0.04	ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1279	0.04	ng/ul#	69
82) Chrysene	21.35	228	1279	0.05	ng/ul#	66
84) Di-n-octyl phthalate	22.16	149	61	0.00	ng/ul	100
86) Benzo(k)fluoranthene	23.12	252	116	0.00	ng/ul#	1
88) Benzo(a)pyrene	23.54	252	70	0.00	ng/ul#	57

Quantitation Report (Not Reviewed)

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Data File : BG016018.D
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Operator : TP/IZ
Sample : MDL-03-S
Misc : MDL-SOIL-3PPM-SOM0
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 20 07:26:59 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 07:16:53 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.04	276	78	0.00	ng/ul#	45
91) Benzo(g,h,i)perylene	26.73	276	146	0.01	ng/ul#	48

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
Data File : BG016018.D
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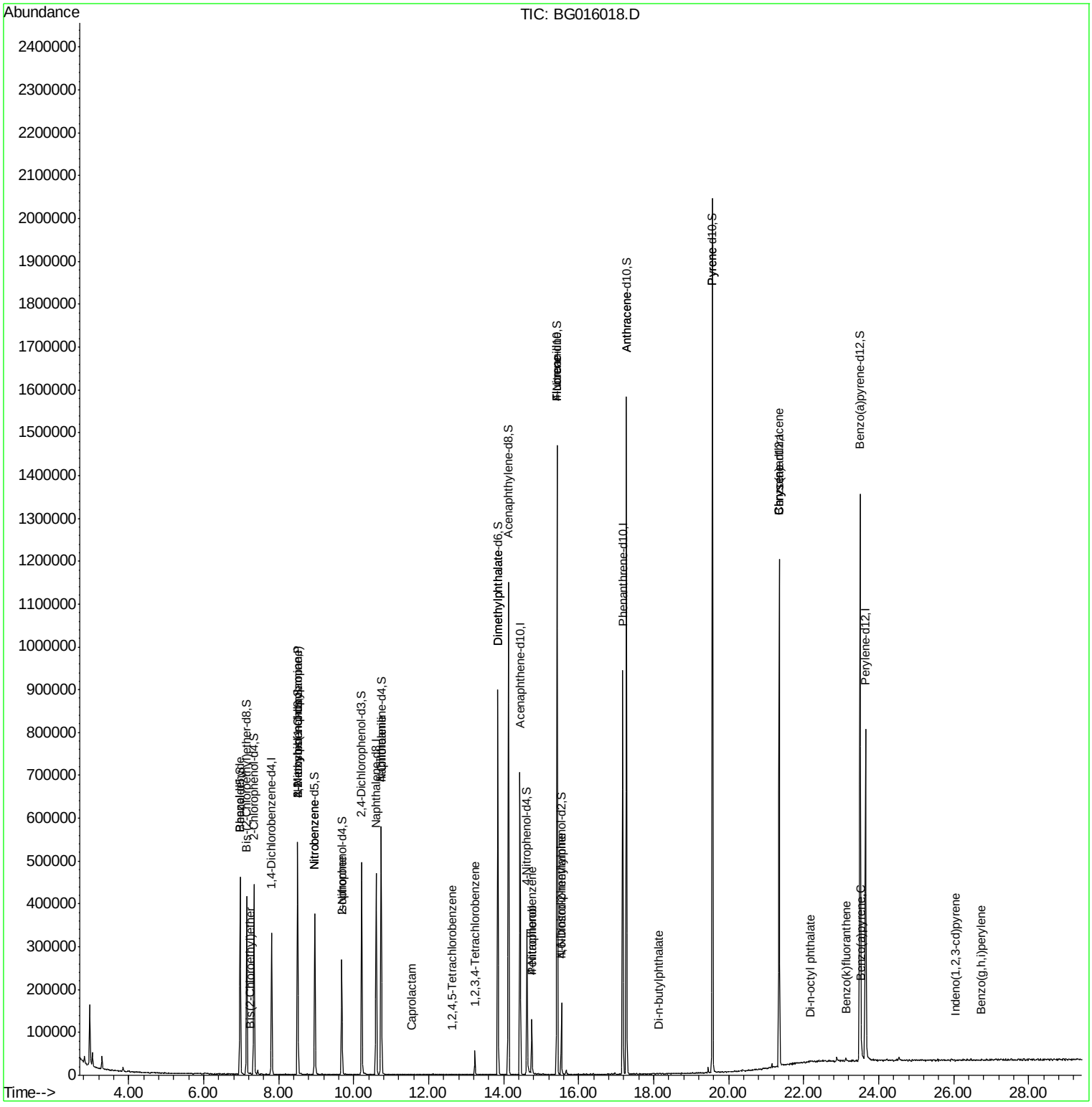
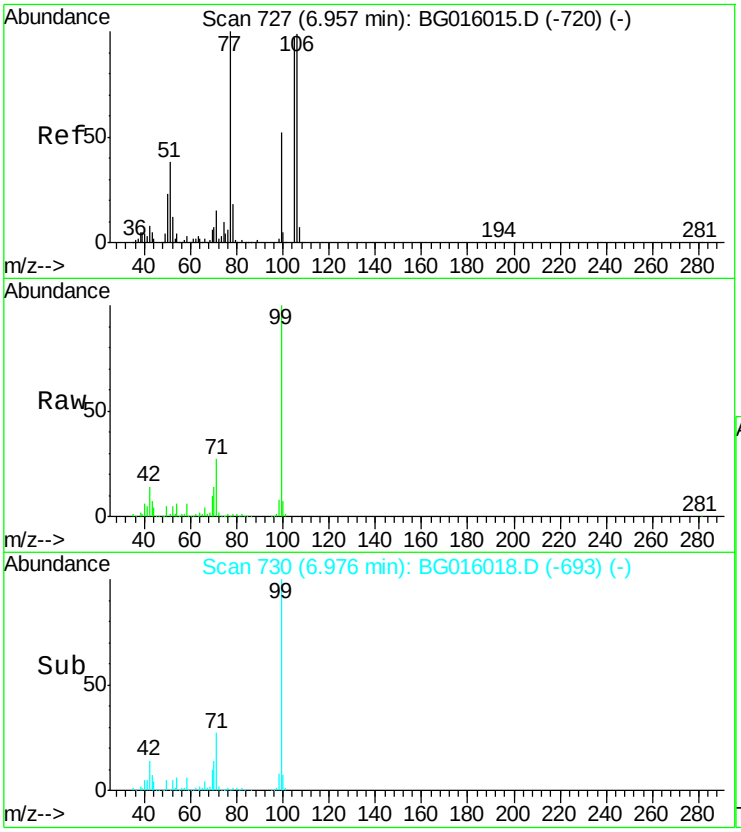
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 07:16:53 2015
Response via : Initial Calibration

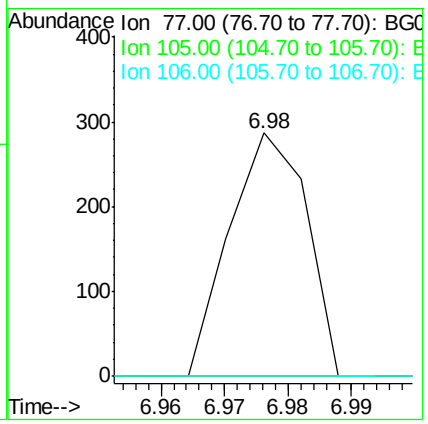


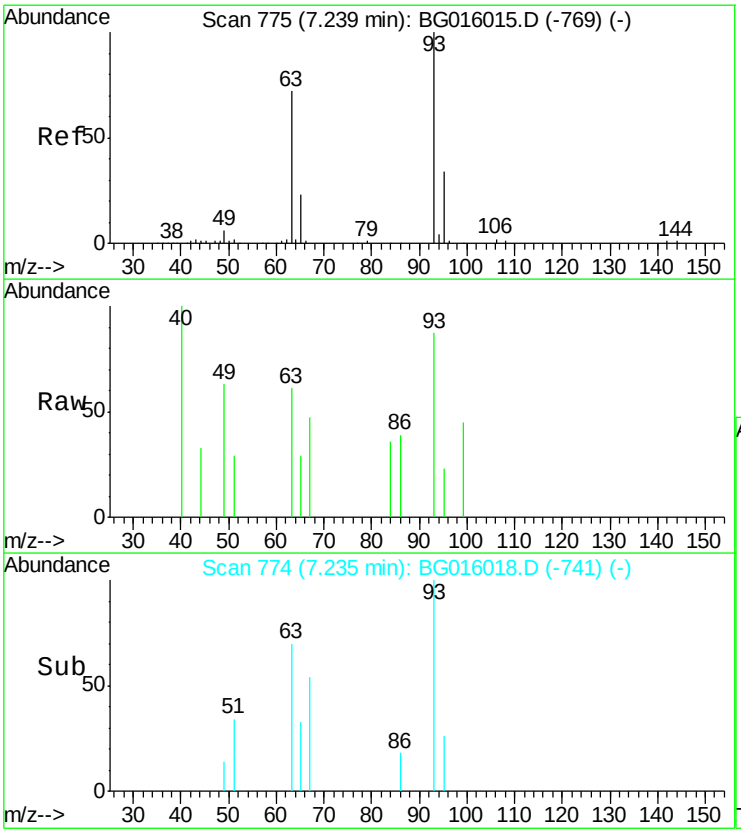


#2
Benzaldehyde
Concen: 0.05 ng/ul
RT: 6.98 min Scan# 730
Delta R.T. 0.02 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 77 Resp: 240

Ion	Ratio	Lower	Upper
77	100		
105	0.0	76.6	114.8#
106	0.0	78.2	117.4#

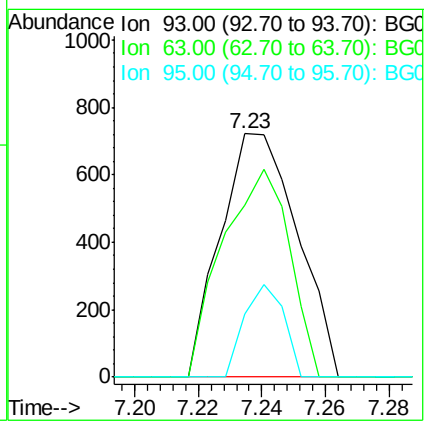


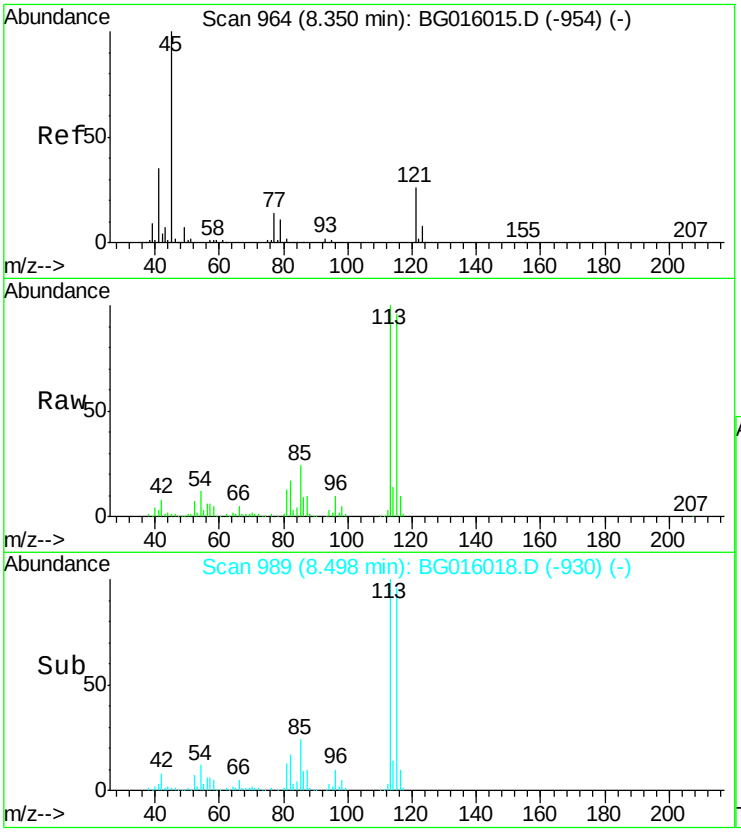


#6
Bis(2-Chloroethyl)ether
Concen: 0.18 ng/ul
RT: 7.23 min Scan# 774
Delta R.T. -0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 93 Resp: 1209

Ion	Ratio	Lower	Upper
93	100		
63	70.5	57.5	86.3
95	25.9	25.8	38.6

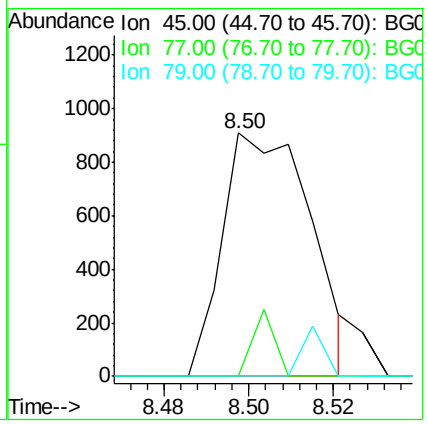


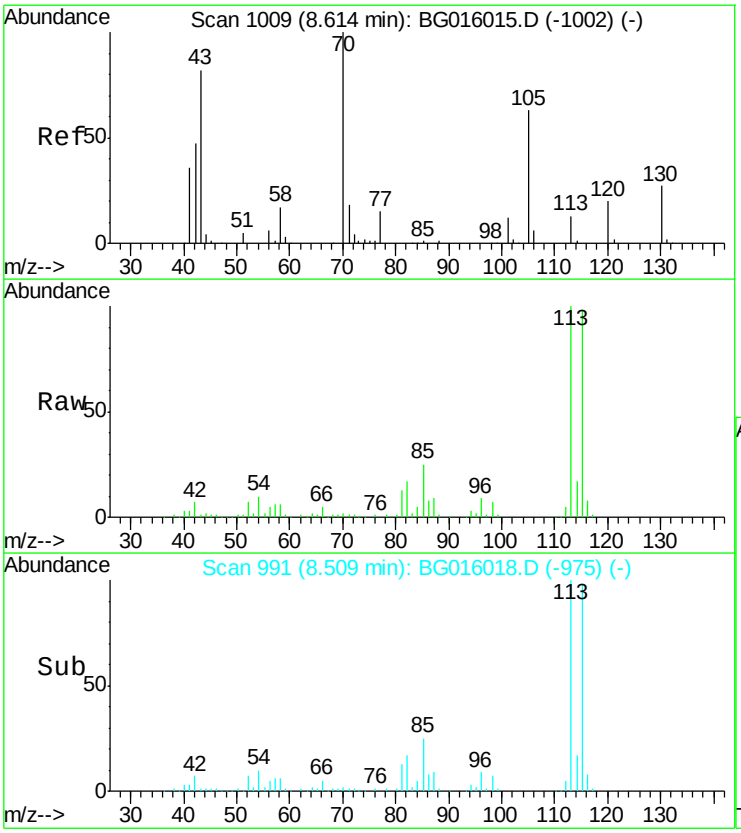


#10
2,2'-oxybis(1-Chloropropane)
Concen: 0.15 ng/ul
RT: 8.50 min Scan# 989
Delta R.T. 0.15 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 45 Resp: 1319

Ion	Ratio	Lower	Upper
45	100		
77	0.0	11.4	17.2#
79	0.0	9.0	13.6#

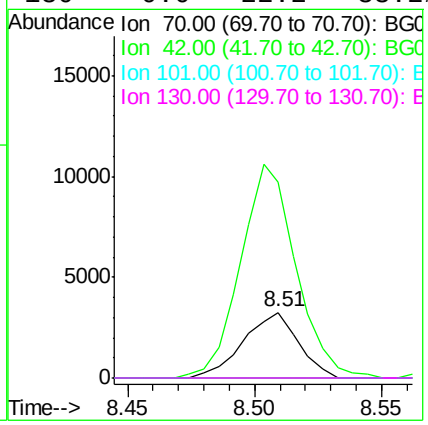


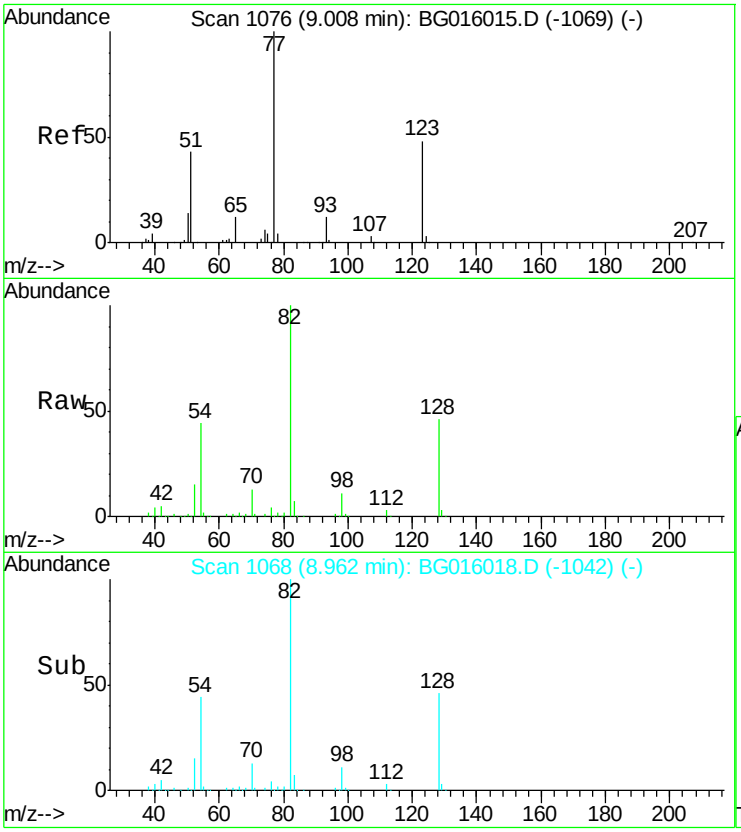


#13
N-Nitroso-di-n-propylamine
Concen: 0.93 ng/ul
RT: 8.51 min Scan# 991
Delta R.T. -0.10 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 70 Resp: 4892

Ion	Ratio	Lower	Upper
70	100		
42	299.3	37.8	56.6#
101	0.0	9.3	13.9#
130	0.0	22.2	33.2#

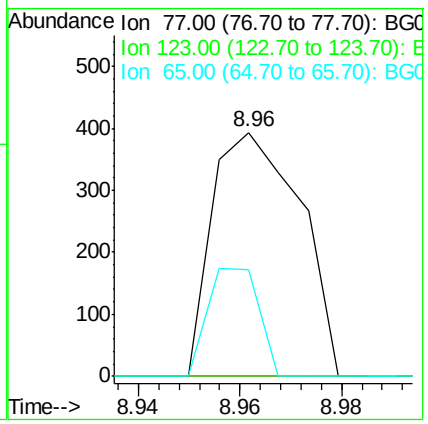


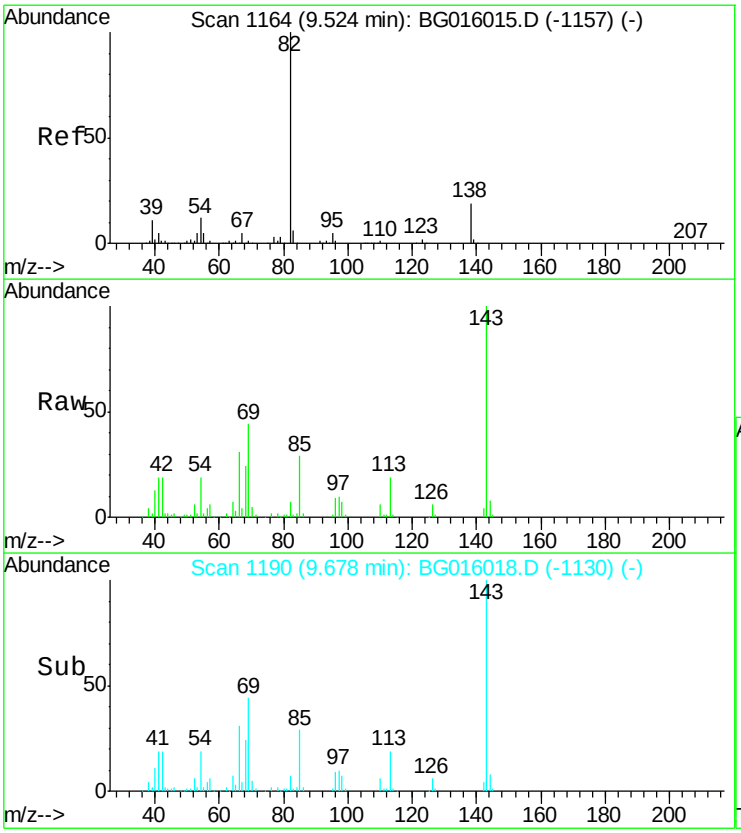


#18
Nitrobenzene
Concen: 0.07 ng/ul
RT: 8.96 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 77 Resp: 472

Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	43.5	11.0	16.6#

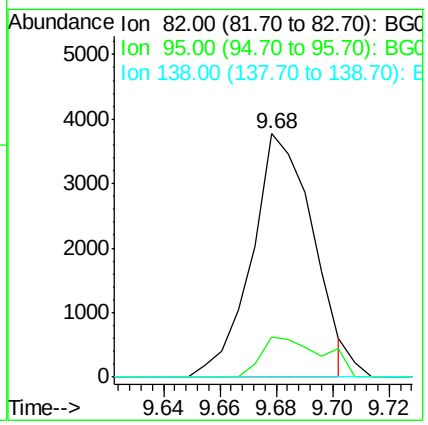


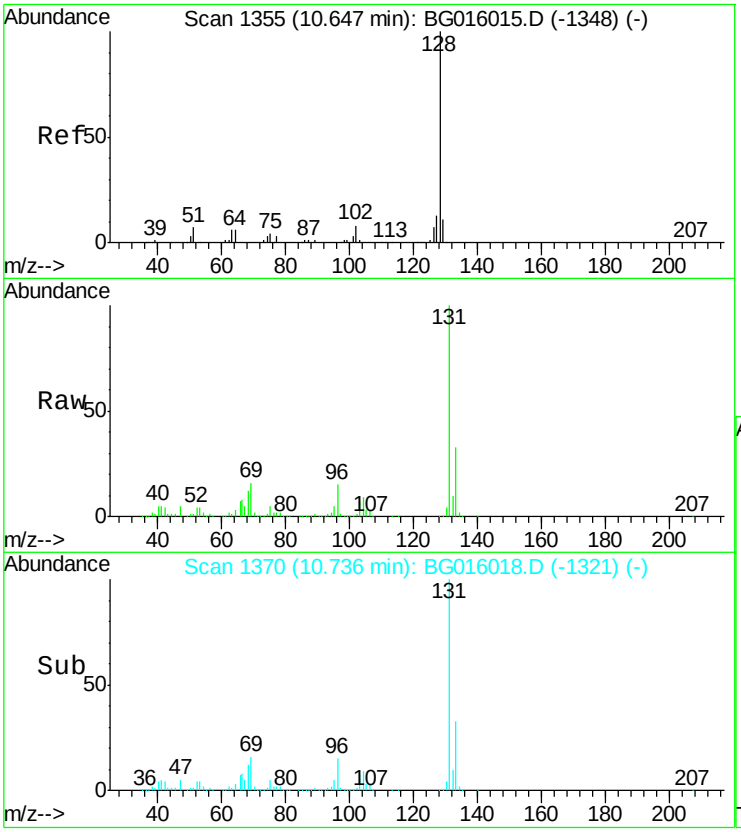


#19
Isophorone
Concen: 0.40 ng/ul
RT: 9.68 min Scan# 1190
Delta R.T. 0.15 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion: 82 Resp: 5639

Ion	Ratio	Lower	Upper
82	100		
95	16.5	4.6	6.8#
138	0.0	15.4	23.2#

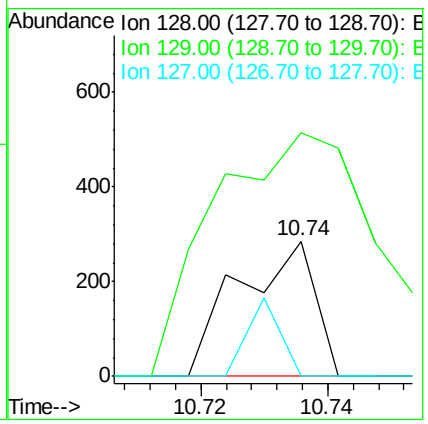


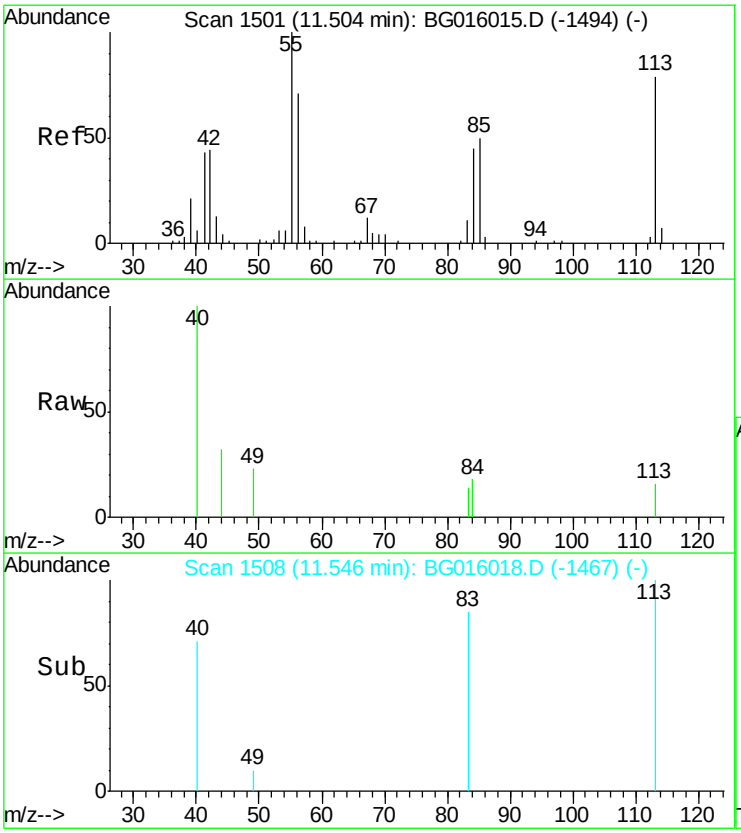


#26
Naphthalene
Concen: 0.01 ng/ul
RT: 10.74 min Scan# 1370
Delta R.T. 0.09 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:128 Resp: 239

Ion	Ratio	Lower	Upper
128	100		
129	179.7	8.7	13.1#
127	0.0	10.4	15.6#

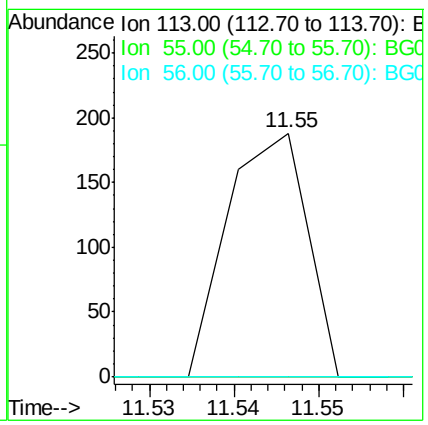


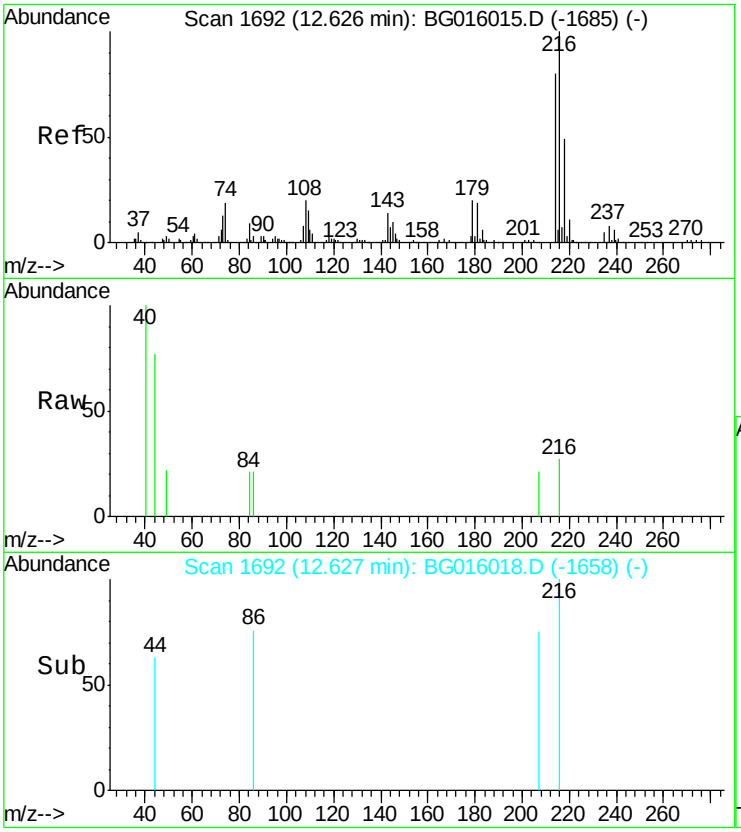


#30
Caprolactam
Concen: 0.05 ng/ul
RT: 11.55 min Scan# 1508
Delta R.T. 0.04 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:113 Resp: 123

Ion	Ratio	Lower	Upper
113	100		
55	0.0	101.4	152.2#
56	0.0	71.0	106.6#

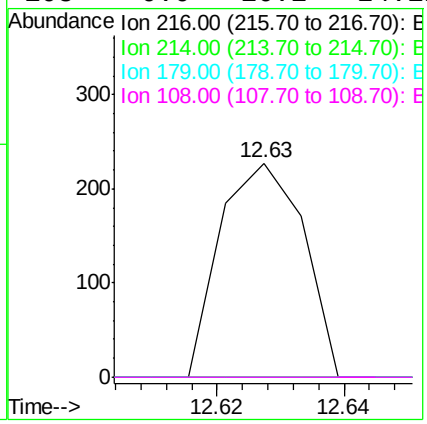


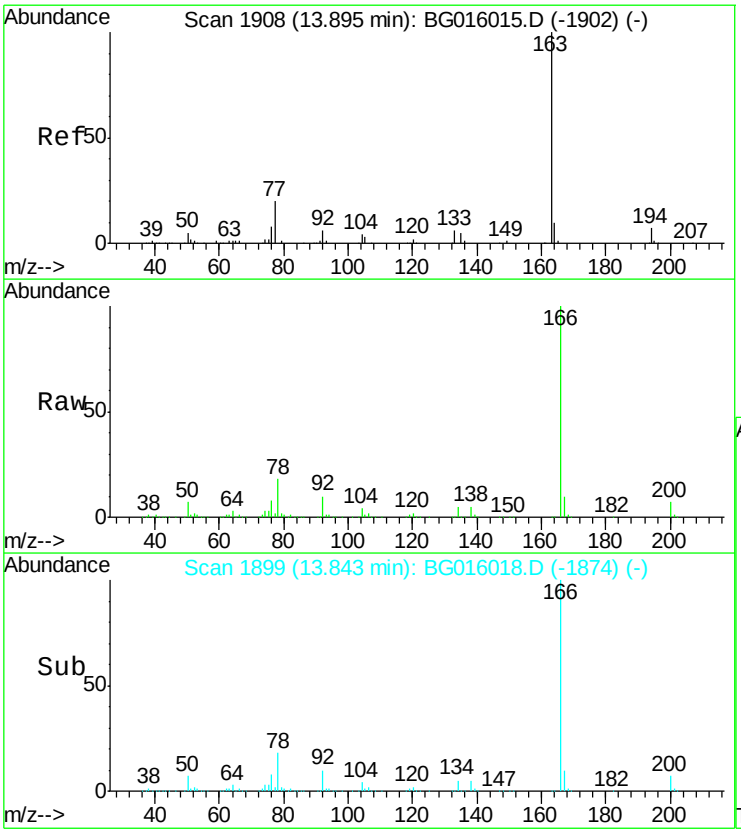


#34
1,2,4,5-Tetrachlorobenzene
Concen: 0.03 ng/ul
RT: 12.63 min Scan# 1692
Delta R.T. 0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:216 Resp: 206

Ion	Ratio	Lower	Upper
216	100		
214	0.0	64.3	96.5#
179	0.0	15.7	23.5#
108	0.0	16.1	24.1#

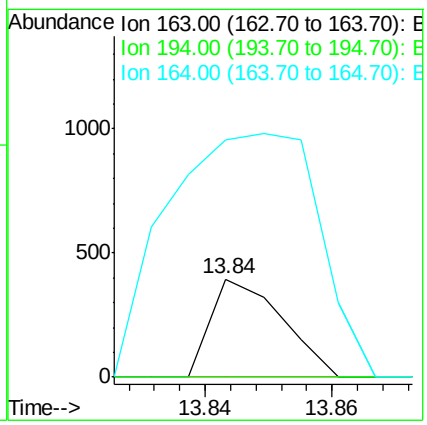


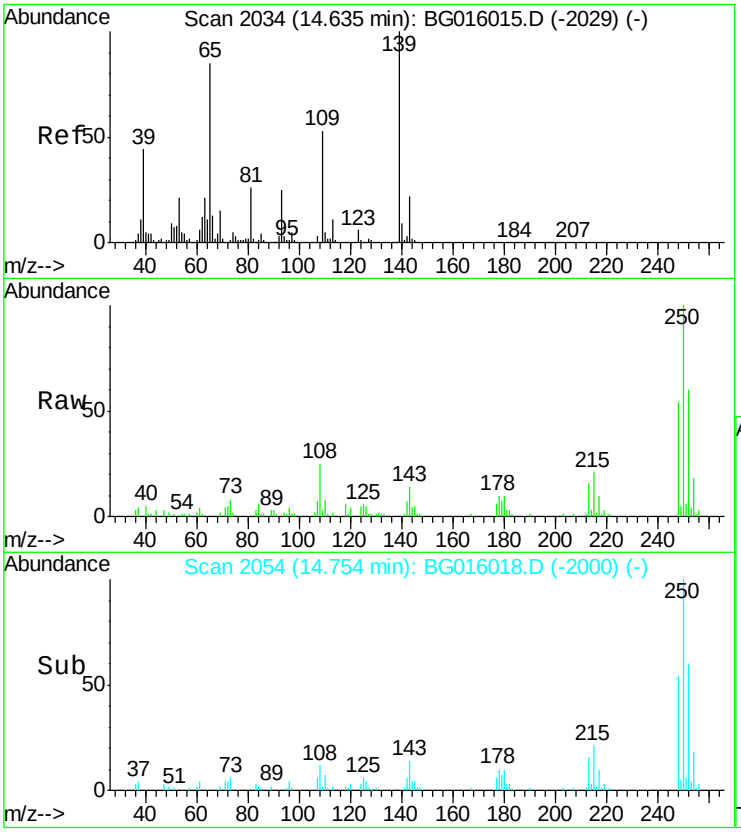


#42
Dimethylphthalate
Concen: 0.02 ng/ul
RT: 13.84 min Scan# 1899
Delta R.T. -0.05 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:163 Resp: 306

Ion	Ratio	Lower	Upper
163	100		
194	0.0	5.3	7.9#
164	241.2	8.5	12.7#

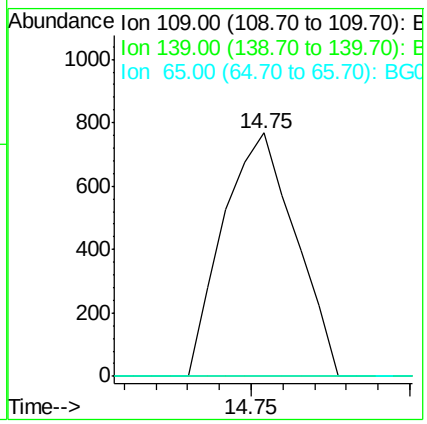


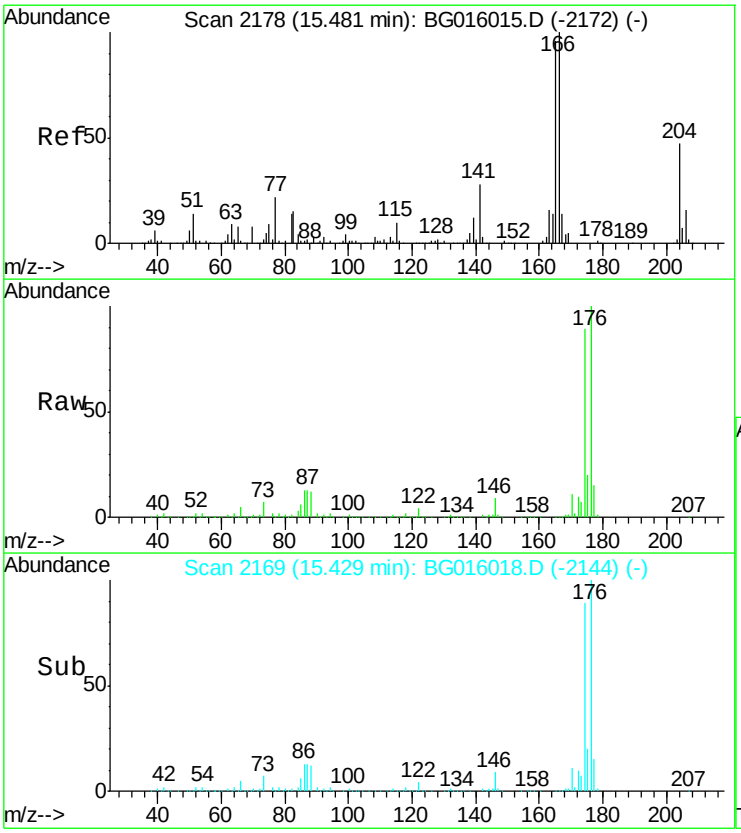


#50
4-Nitrophenol
Concen: 0.66 ng/ul
RT: 14.75 min Scan# 2054
Delta R.T. 0.12 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:109 Resp: 1213

Ion	Ratio	Lower	Upper
109	100		
139	0.0	146.1	219.1#
65	0.0	123.5	185.3#

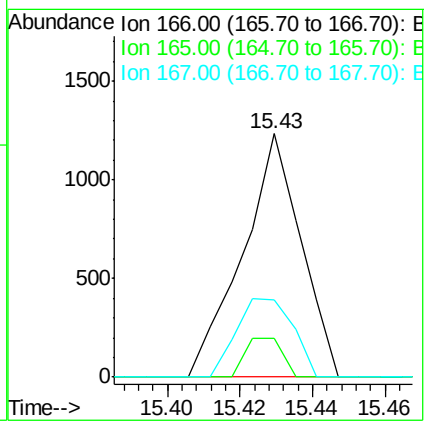


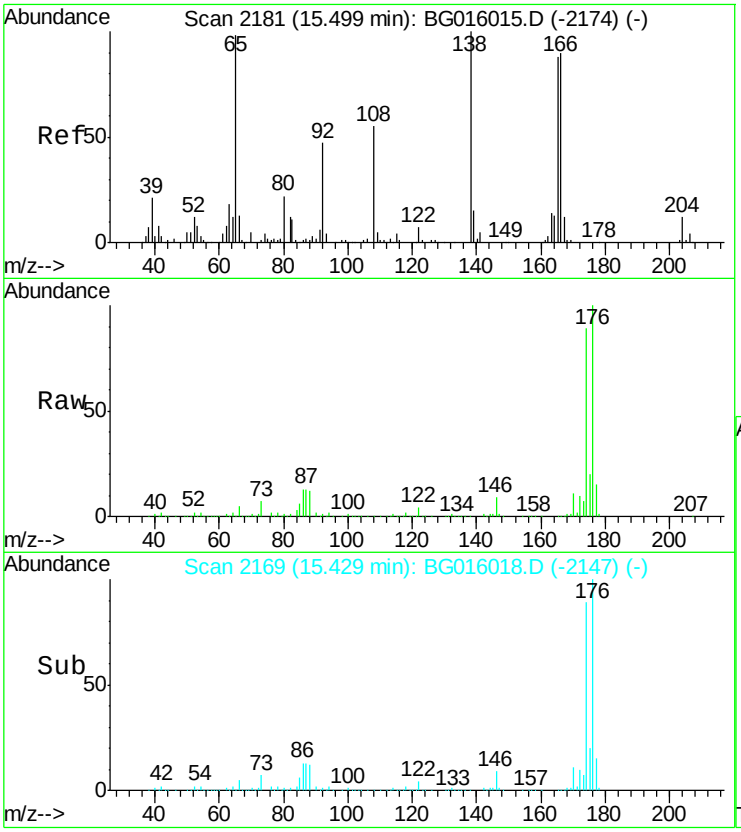


#56
Fluorene
Concen: 0.07 ng/ul
RT: 15.43 min Scan# 2169
Delta R.T. -0.05 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:166 Resp: 1378

Ion	Ratio	Lower	Upper
166	100		
165	15.7	75.4	113.2#
167	31.7	11.0	16.4#

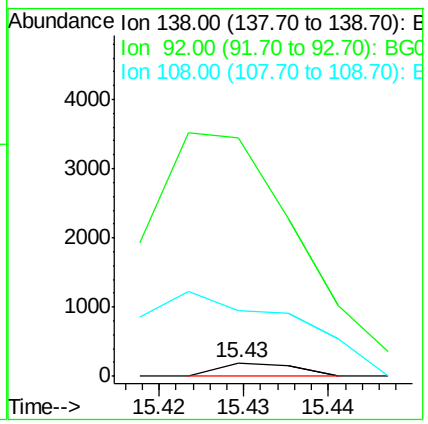


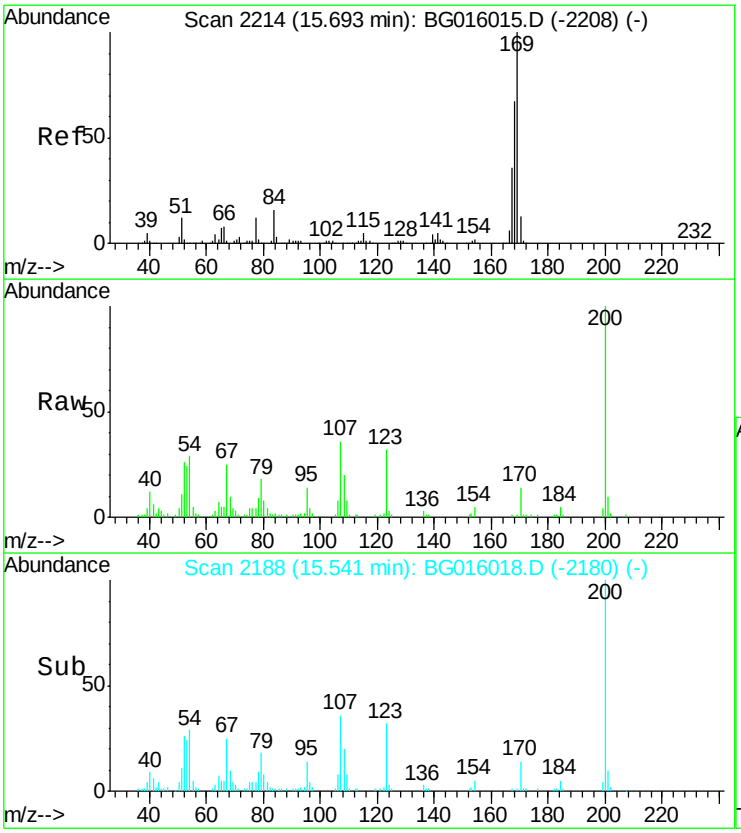


#58
4-Nitroaniline
Concen: 0.03 ng/ul
RT: 15.43 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:138 Resp: 123

Ion	Ratio	Lower	Upper
138	100		
92	1777.3	38.1	57.1#
108	492.8	46.4	69.6#

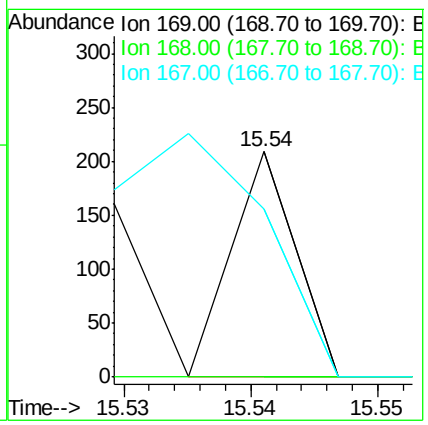


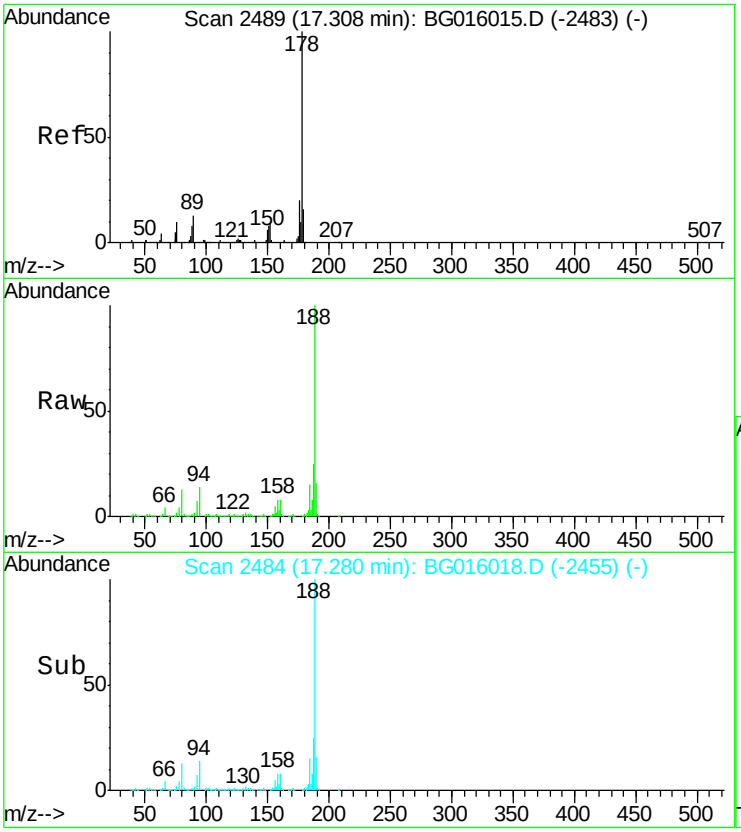


#62
N-Nitrosodiphenylamine
Concen: 0.00 ng/ul
RT: 15.54 min Scan# 2188
Delta R.T. -0.15 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:169 Resp: 74

Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.8	80.8#
167	74.6	29.2	43.8#

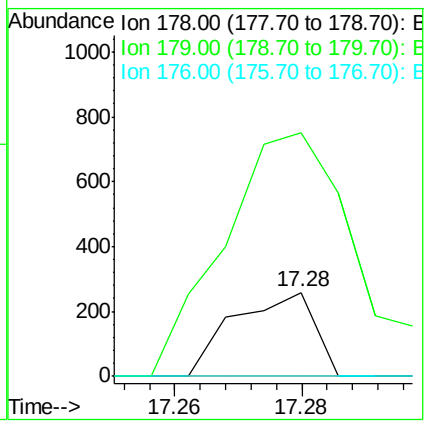


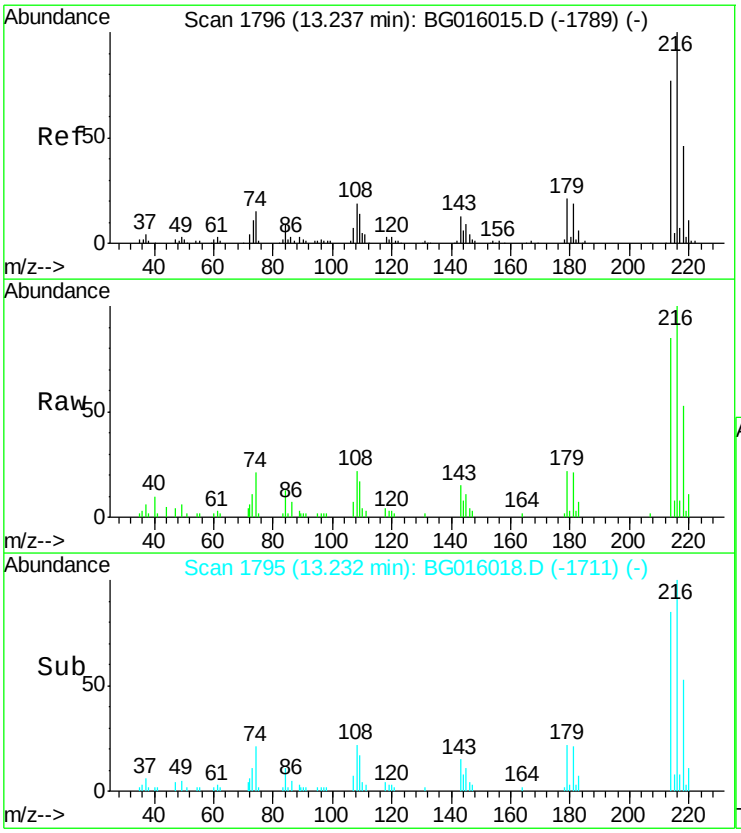


#69
Anthracene
Concen: 0.01 ng/ul
RT: 17.28 min Scan# 2484
Delta R.T. -0.03 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:178 Resp: 227

Ion	Ratio	Lower	Upper
178	100		
179	290.0	12.9	19.3#
176	0.0	15.7	23.5#

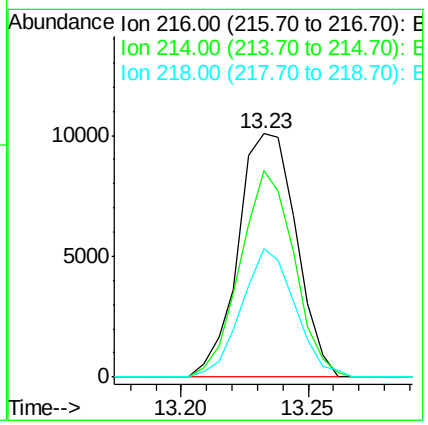


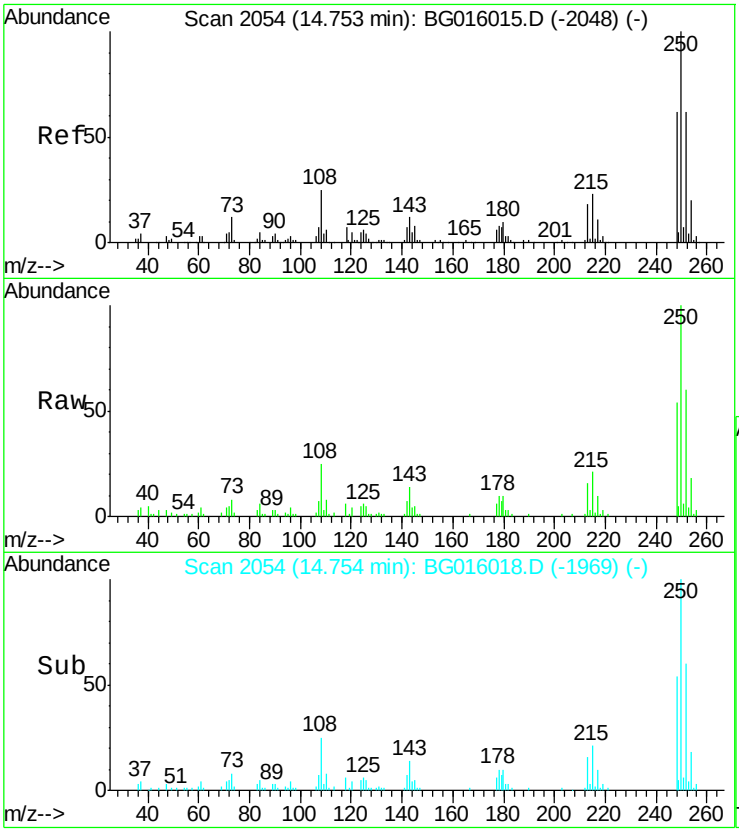


#70
1,2,3,4-Tetrachlorobenzene
Concen: 2.54 ng/uL
RT: 13.23 min Scan# 1795
Delta R.T. -0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:216 Resp: 16048

Ion	Ratio	Lower	Upper
216	100		
214	84.8	64.5	96.7
218	52.6	37.9	56.9

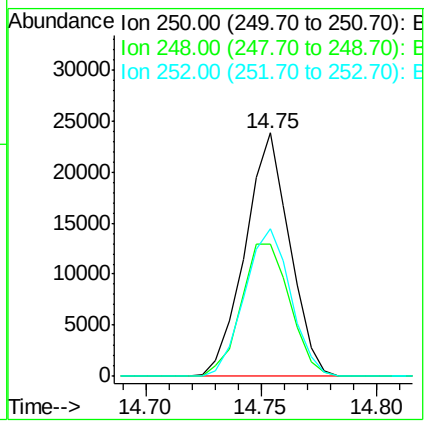


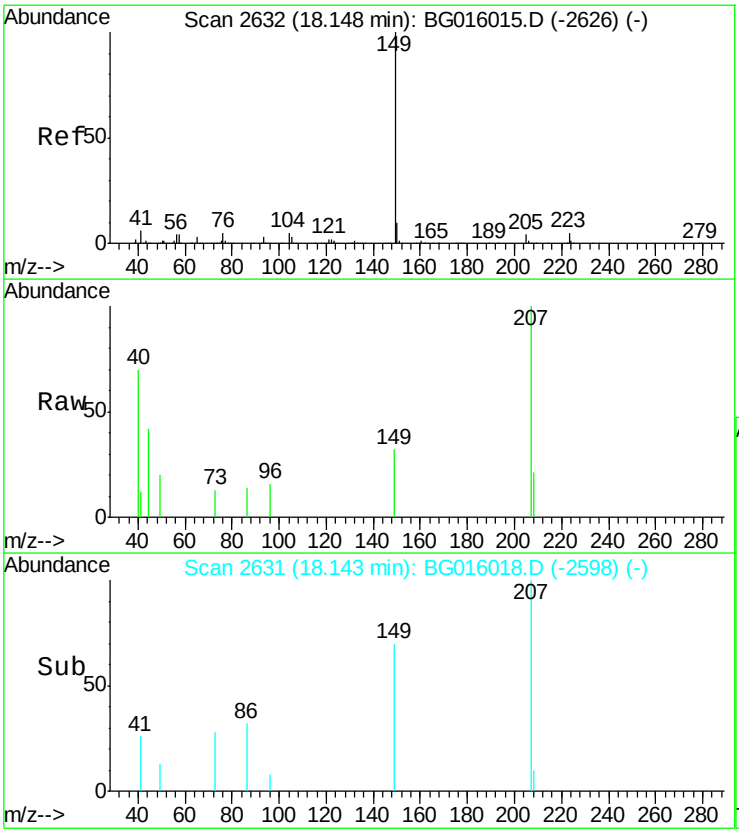


#71
Pentachlorobenzene
Concen: 5.16 ng/uL
RT: 14.75 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:250 Resp: 31982

Ion	Ratio	Lower	Upper
250	100		
248	54.2	50.5	75.7
252	60.4	50.7	76.1

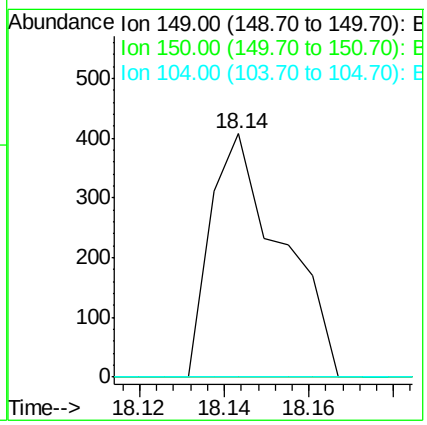


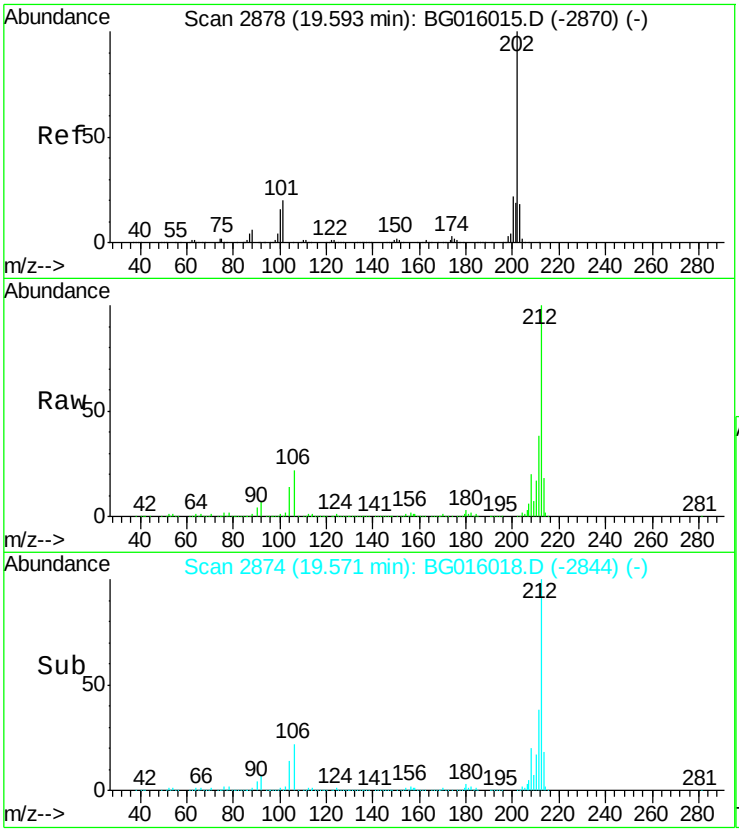


#73
Di-n-butylphthalate
Concen: 0.02 ng/ul
RT: 18.14 min Scan# 2631
Delta R.T. -0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:149 Resp: 474

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.6	11.4#
104	0.0	3.7	5.5#

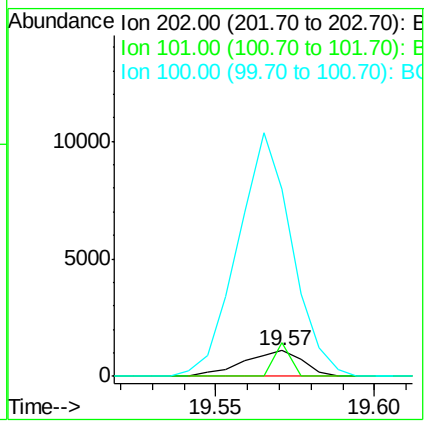


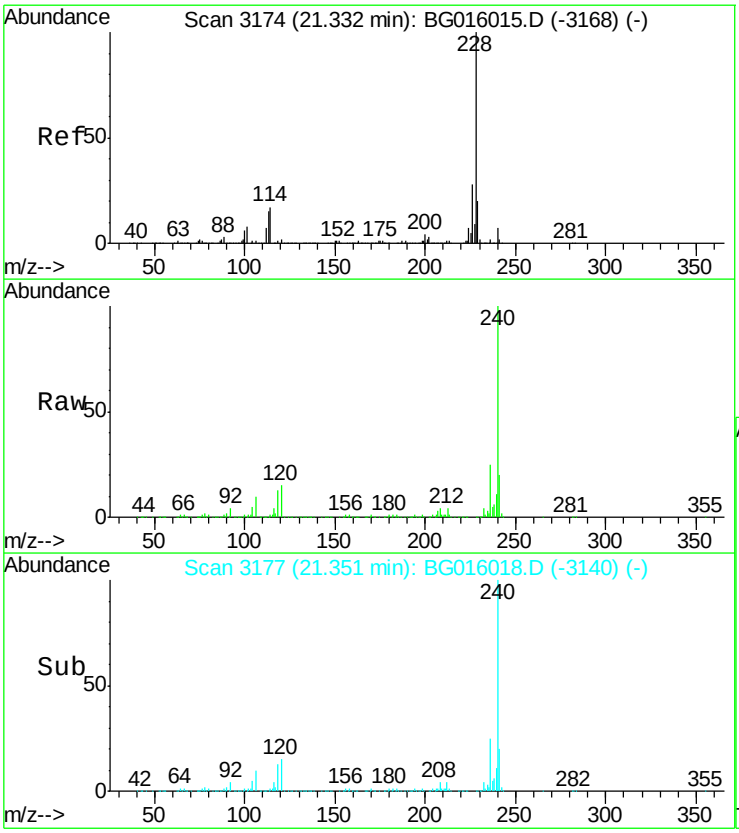


#77
Pyrene
Concen: 0.04 ng/ul
RT: 19.57 min Scan# 2874
Delta R.T. -0.02 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:202 Resp: 1405

Ion	Ratio	Lower	Upper
202	100		
101	129.9	15.8	23.8#
100	725.3	12.7	19.1#

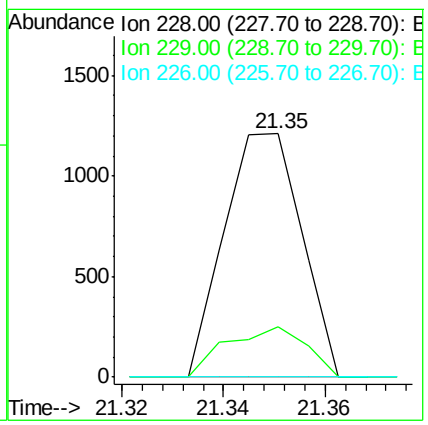


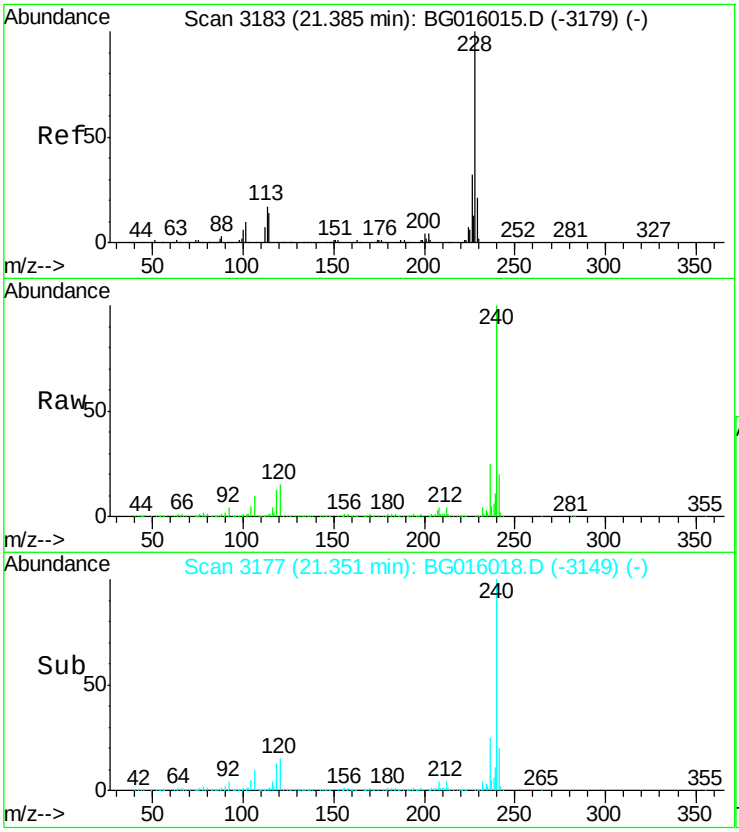


#80
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.35 min Scan# 3177
Delta R.T. 0.02 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:228 Resp: 1279

Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.4	24.6
226	0.0	22.8	34.2#

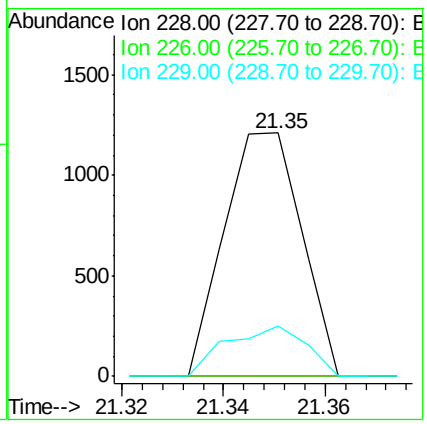


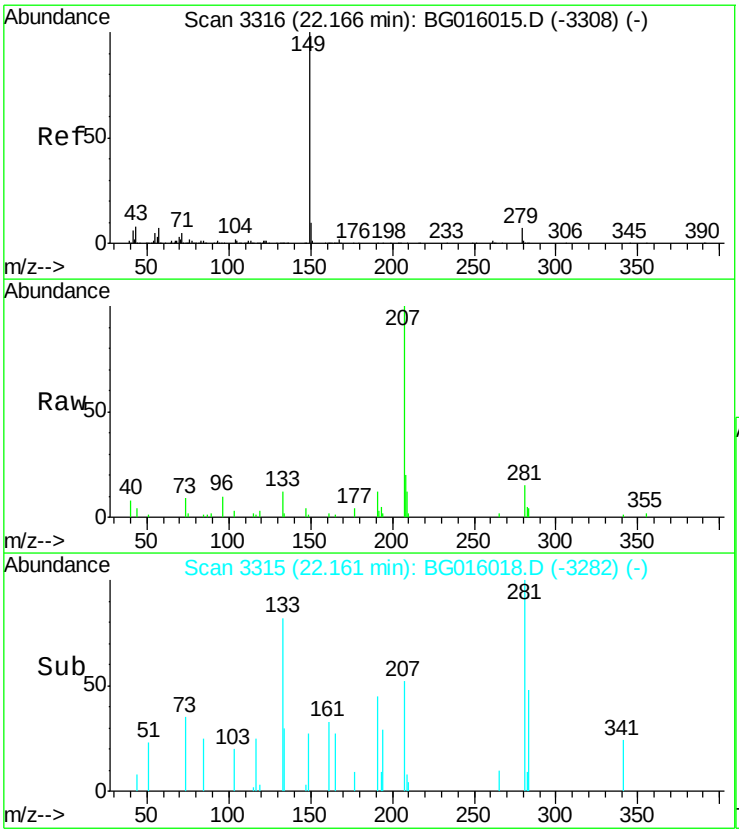


#82
Chrysene
Concen: 0.05 ng/ul
RT: 21.35 min Scan# 3177
Delta R.T. -0.03 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:228 Resp: 1279

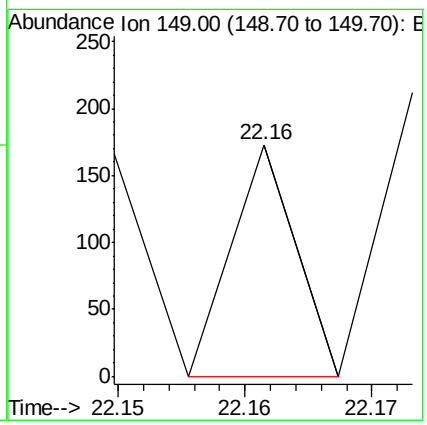
Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.7	37.1#
229	20.5	17.0	25.6

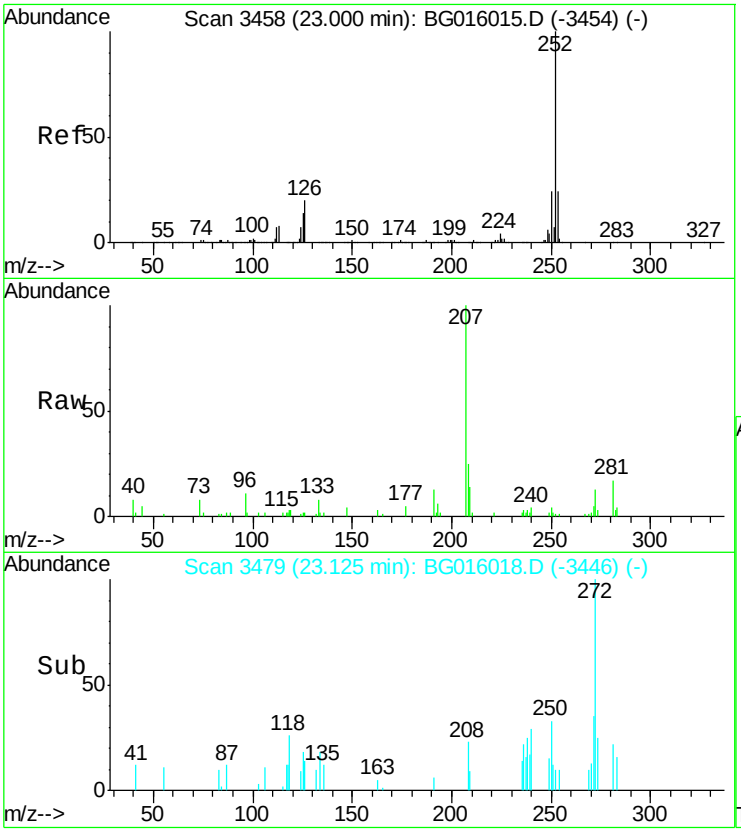




#84
Di-n-octyl phthalate
Concen: 0.00 ng/ul
RT: 22.16 min Scan# 3315
Delta R.T. -0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:149 Resp: 61

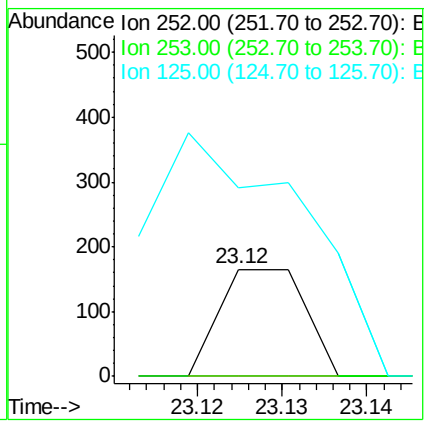


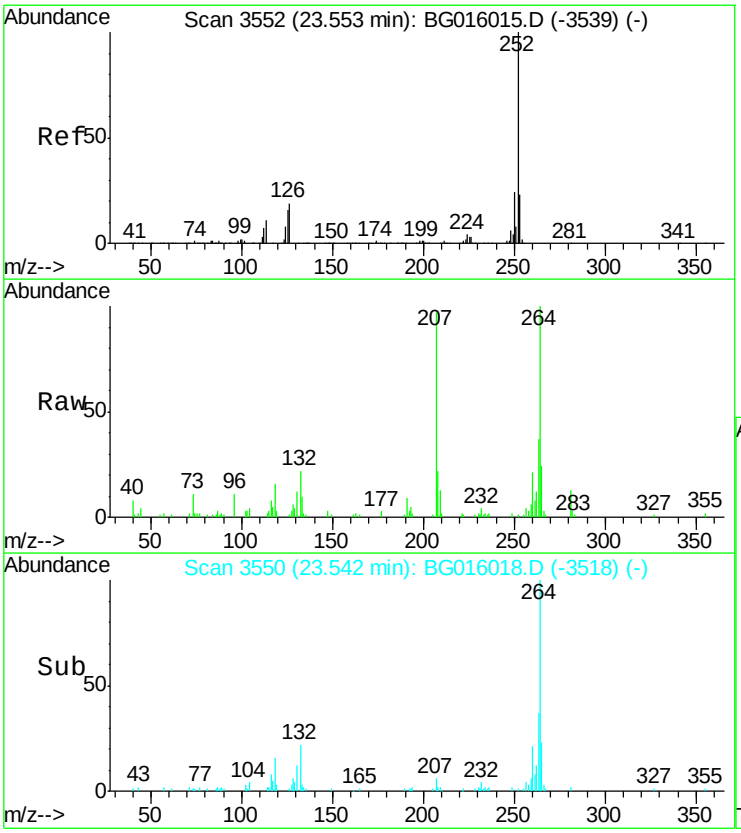


#86
Benzo(k)fluoranthene
Concen: 0.00 ng/ul
RT: 23.12 min Scan# 3479
Delta R.T. 0.12 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:252 Resp: 116

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.2#
125	177.0	11.4	17.2#

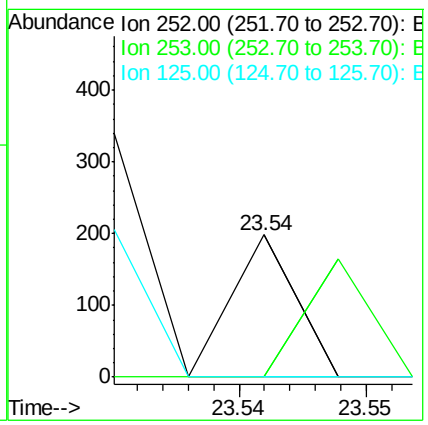


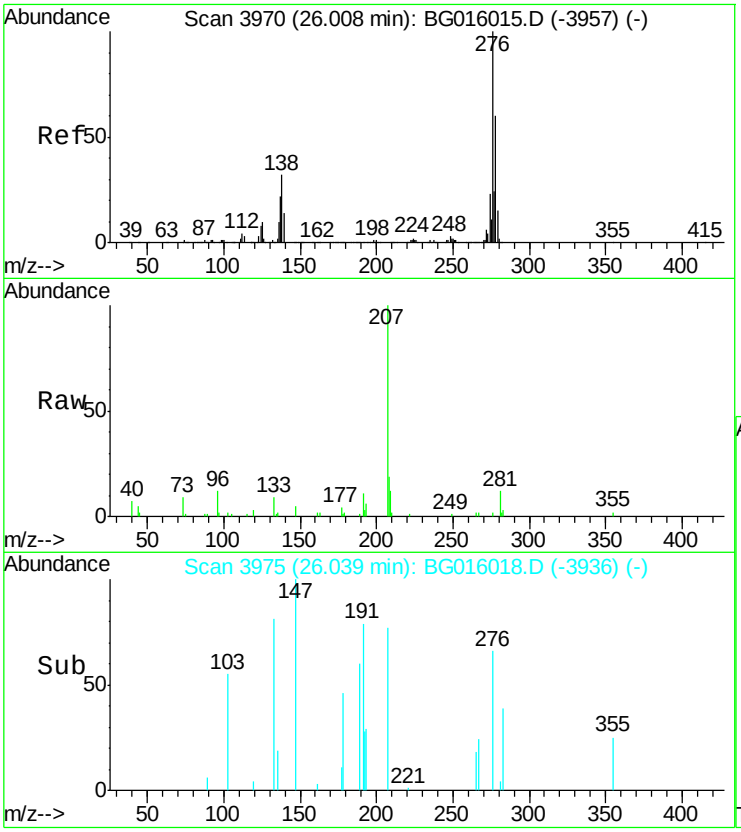


#88
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.54 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:252 Resp: 70

Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.9	26.9#
125	0.0	13.2	19.8#

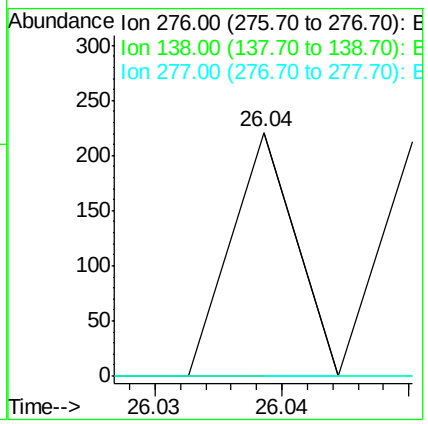


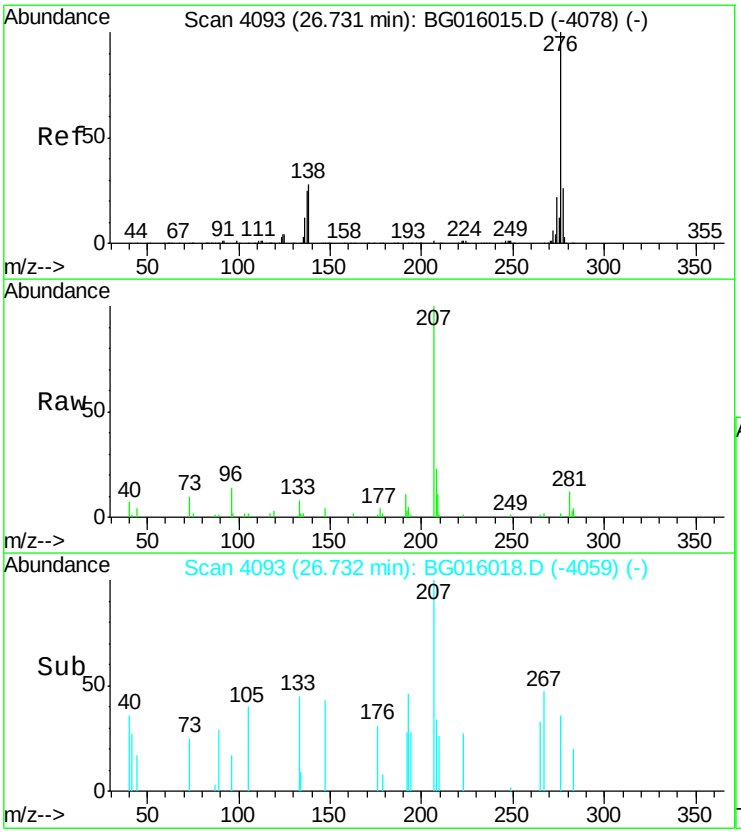


#89
Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 26.04 min Scan# 3975
Delta R.T. 0.03 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:276 Resp: 78

Ion	Ratio	Lower	Upper
276	100		
138	0.0	26.2	39.4#
277	0.0	21.0	31.6#





#91
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.73 min Scan# 4093
Delta R.T. 0.00 min
Lab File: BG016018.D
Acq: 20 Feb 2015 1:44

Tgt Ion:276 Resp: 146

Ion	Ratio	Lower	Upper
276	100		
138	0.0	23.0	34.4#
277	0.0	20.0	30.0#