

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016025.D
 Acq On : 20 Feb 2015 6:22
 Operator : TP/IZ
 Sample : MDL-01-S-ML
 Misc : MDL-SOIL-3PPM-SOM0-ML
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Feb 20 07:30:06 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	91199	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	404500	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	243984	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.17	188	522405	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	551711	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	531673	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.97	99	405493	46.73	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	250712	48.92	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	310806	48.42	ng/ul	0.00
11) 4-Methylphenol-d8	8.51	113	308067	47.98	ng/ul	0.00
17) Nitrobenzene-d5	8.97	128	159165	55.67	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	147130	55.79	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	263751	46.10	ng/ul	0.00
27) 4-Chloroaniline-d4	10.74	131	478362	75.91	ng/ul	0.00
41) Dimethylphthalate-d6	13.85	166	846005	51.86	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	1112395	48.19	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	148975	45.42	ng/ul	0.00
55) Fluorene-d10	15.43	176	807936	49.28	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	69221	34.37	ng/ul	0.00
68) Anthracene-d10	17.27	188	1199530	48.41	ng/ul	0.00
76) Pyrene-d10	19.56	212	1282203	49.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1241889	51.51	ng/ul	0.00

Target Compounds

						Qvalue
2) Benzaldehyde	6.96	77	490	0.09	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.23	93	1627	0.23	ng/ul#	86
10) 2,2'-oxybis(1-Chloropropan	8.50	45	2088	0.23	ng/ul#	92
13) N-Nitroso-di-n-propylamine	8.50	70	6914	1.26	ng/ul#	1
18) Nitrobenzene	8.97	77	735	0.11	ng/ul#	28
19) Isophorone	9.68	82	8601	0.59	ng/ul#	65
26) Naphthalene	10.74	128	540	0.03	ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.63	216	346	0.05	ng/ul#	73
42) Dimethylphthalate	13.85	163	675	0.04	ng/ul#	1
50) 4-Nitrophenol	14.75	109	1638	0.86	ng/ul#	1
52) 2,4-Dinitrotoluene	14.75	165	123	0.03	ng/ul#	1
56) Fluorene	15.43	166	2072	0.11	ng/ul#	11
58) 4-Nitroaniline	15.43	138	433	0.10	ng/ul#	1
61) 4,6-Dinitro-2-methylphenol	15.53	198	327	0.15	ng/ul#	1
62) N-Nitrosodiphenylamine	15.55	169	157	0.01	ng/ul#	1
67) Phenanthrene	17.17	178	119	0.00	ng/ul#	1
69) Anthracene	17.28	178	309	0.01	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.24	216	20493	3.09	ng/uL	93
71) Pentachlorobenzene	14.75	250	40653	6.25	ng/uL	99
73) Di-n-butylphthalate	18.14	149	216	0.01	ng/ul#	78
77) Pyrene	19.57	202	2129	0.06	ng/ul#	1
80) Benzo(a)anthracene	21.34	228	1638	0.05	ng/ul#	64
81) Bis(2-ethylhexyl)phthalate	21.27	149	211	0.01	ng/ul#	50
82) Chrysene	21.34	228	1638	0.06	ng/ul#	63

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ALS Vial : 26 Sample Multiplier: 1

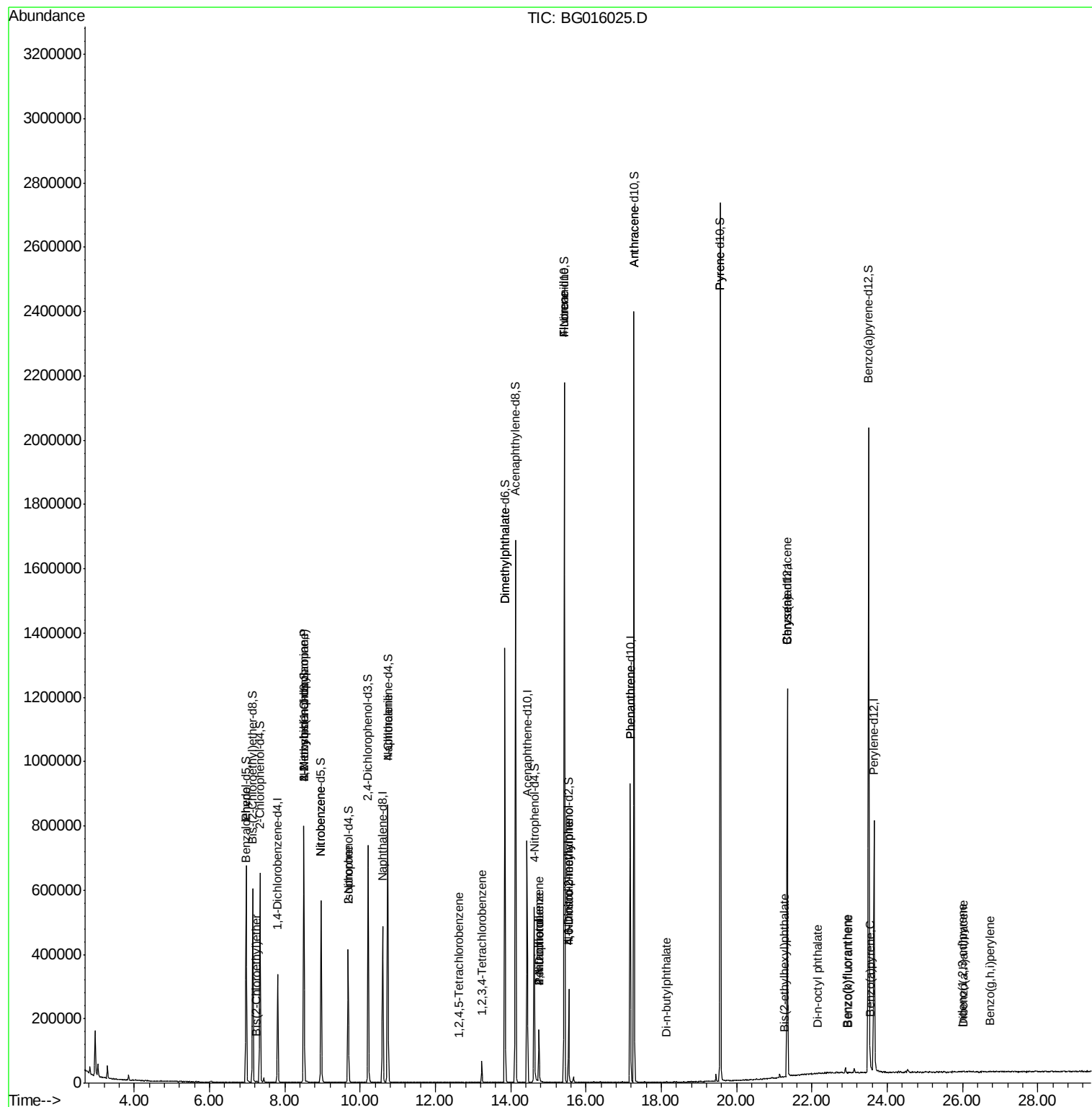
Quant Time: Feb 20 07:30:06 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 07:16:53 2015
Response via : Initial Calibration

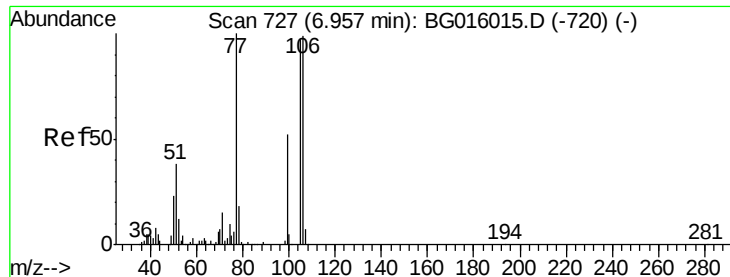
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	22.16	149	356	0.01	ng/ul	100
85) Benzo(b)fluoranthene	22.95	252	54	0.00	ng/ul#	57
86) Benzo(k)fluoranthene	22.96	252	66	0.00	ng/ul#	58
88) Benzo(a)pyrene	23.56	252	274	0.01	ng/ul#	36
89) Indeno(1,2,3-cd)pyrene	26.00	276	961	0.03	ng/ul#	45
90) Dibenzo(a,h)anthracene	26.03	278	954	0.03	ng/ul#	53
91) Benzo(g,h,i)perylene	26.74	276	683	0.02	ng/ul#	83

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

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#2

Benzaldehyde

Concen: 0.09 ng/ul

RT: 6.96 min Scan# 727

Delta R.T. 0.00 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

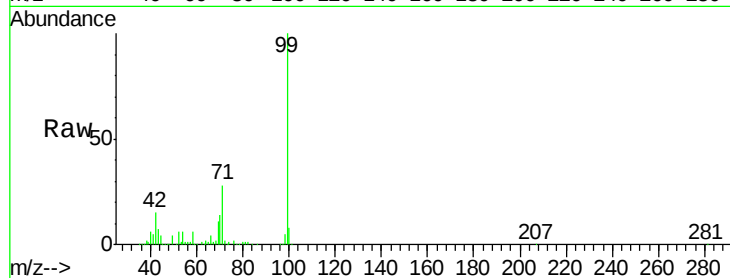
Tgt Ion: 77 Resp: 490

Ion Ratio Lower Upper

77 100

105 0.0 76.6 114.8#

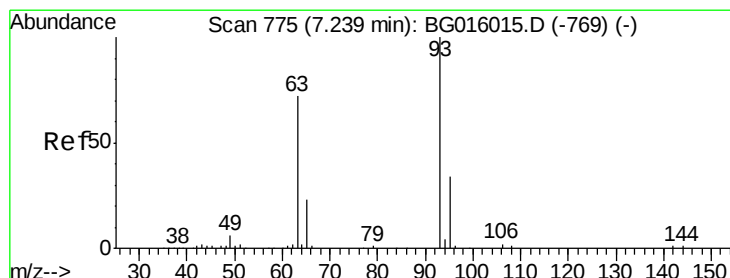
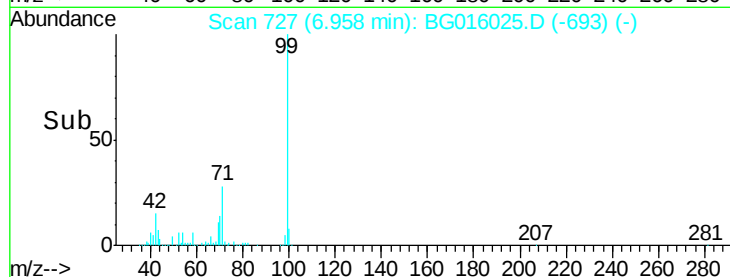
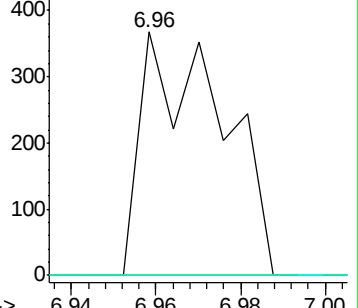
106 0.0 78.2 117.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Bis(2-Chloroethyl)ether

Concen: 0.23 ng/ul

RT: 7.23 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

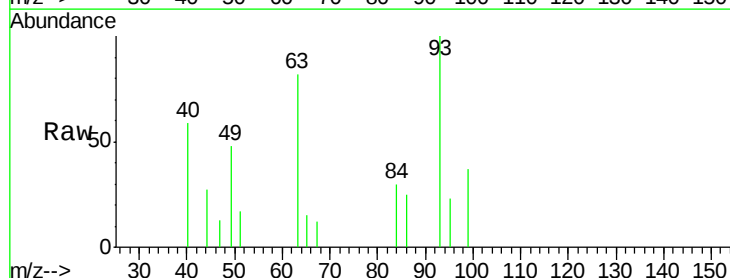
Tgt Ion: 93 Resp: 1627

Ion Ratio Lower Upper

93 100

63 82.5 57.5 86.3

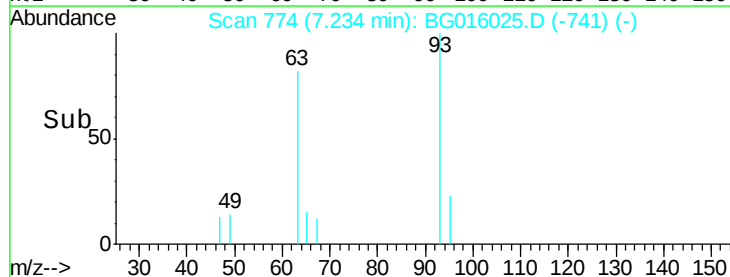
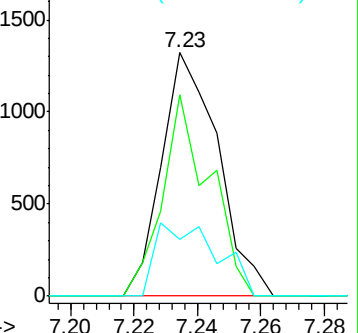
95 23.2 25.8 38.6#

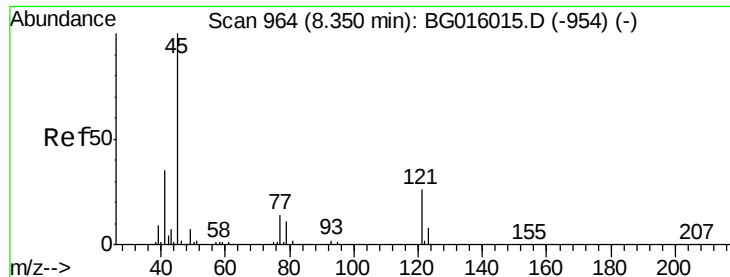


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

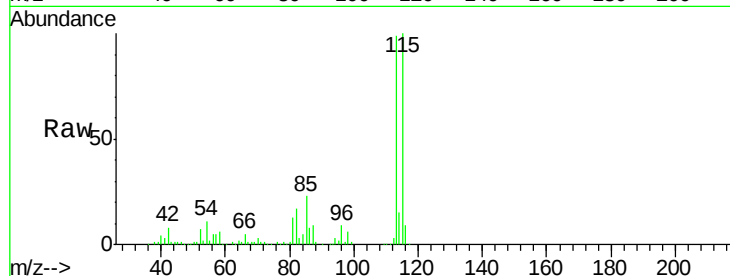
Ion 95.00 (94.70 to 95.70): BGC



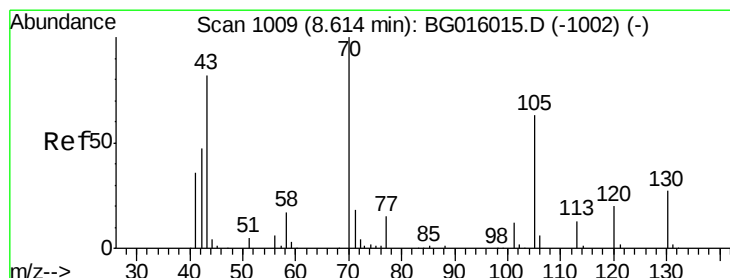
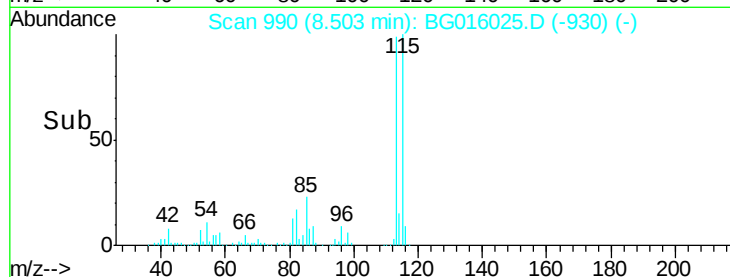
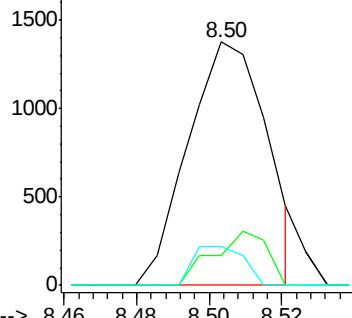


#10
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.23 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. 0.15 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion: 45 Resp: 2088
 Ion Ratio Lower Upper
 45 100
 77 12.3 11.4 17.2
 79 15.8 9.0 13.6#

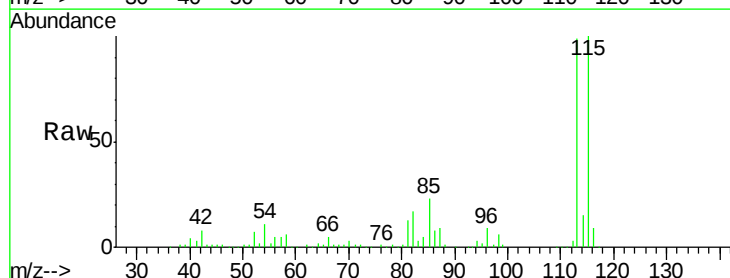


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

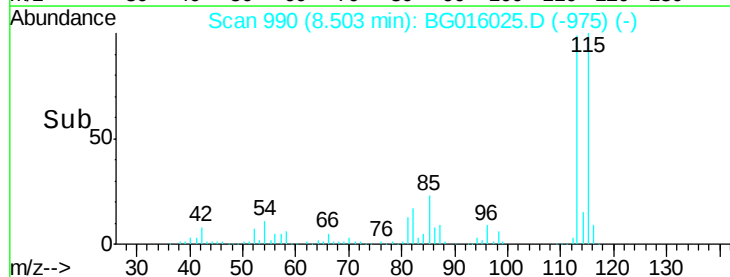
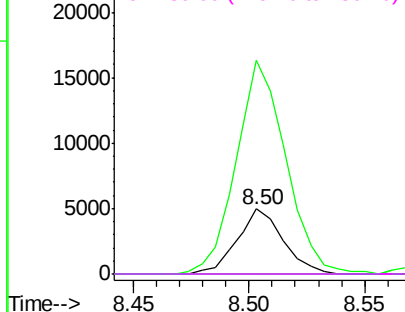


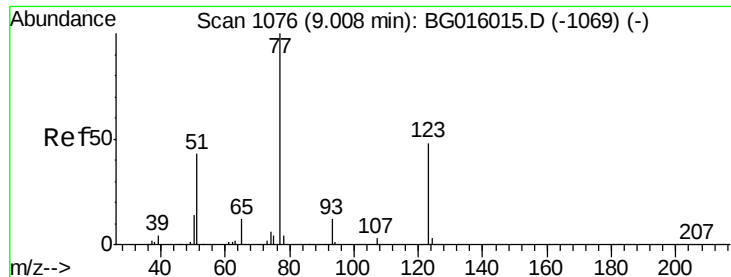
#13
 N-Nitroso-di-n-propylamine
 Concen: 1.26 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. -0.11 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion: 70 Resp: 6914
 Ion Ratio Lower Upper
 70 100
 42 330.2 37.8 56.6#
 101 0.0 9.3 13.9#
 130 0.0 22.2 33.2#



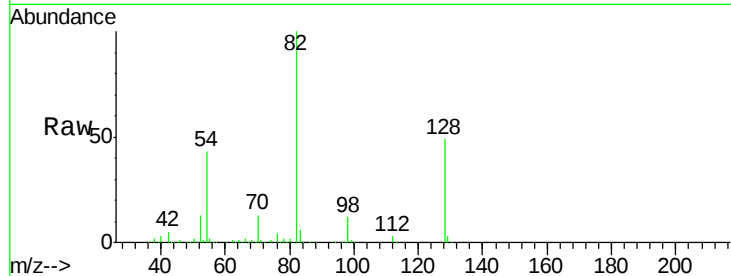
Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): BGC
 Ion 130.00 (129.70 to 130.70): BGC



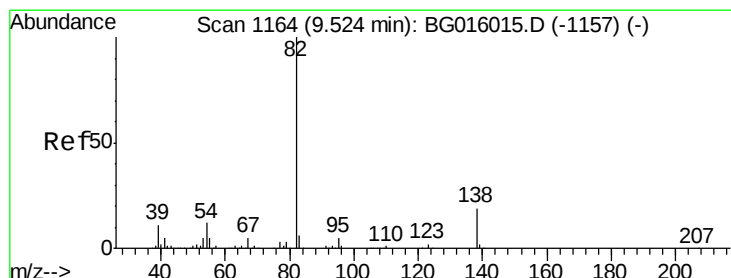
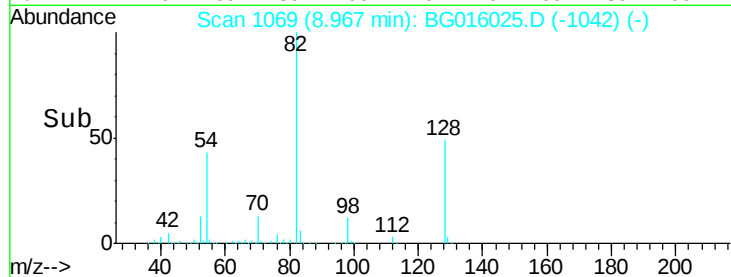
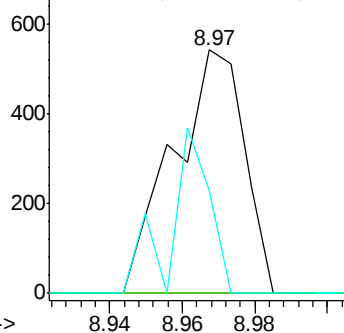


#18
 Nitrobenzene
 Concen: 0.11 ng/ul
 RT: 8.97 min Scan# 1069
 Delta R.T. -0.04 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	42.3	11.0	16.6#

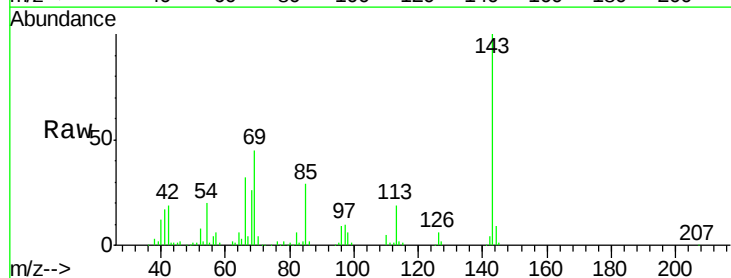


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

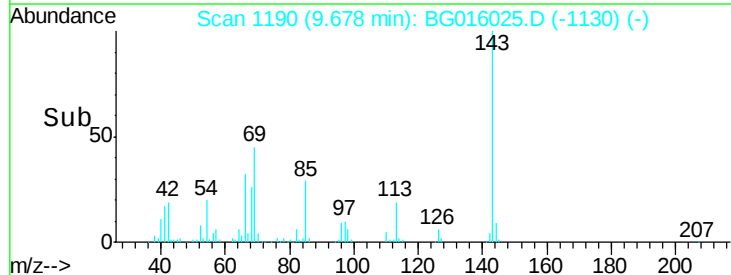
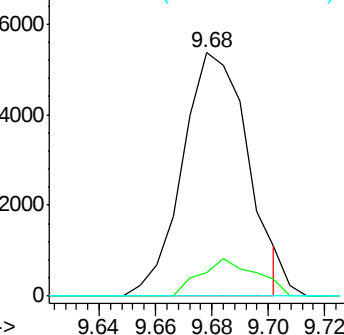


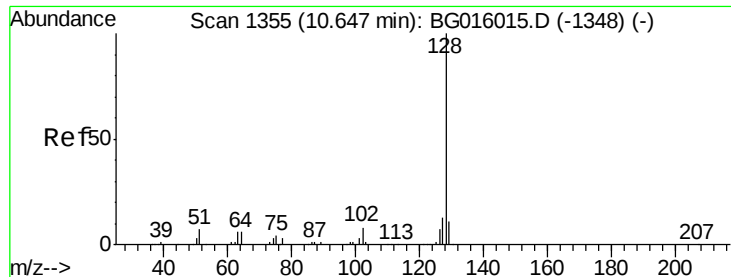
#19
 Isophorone
 Concen: 0.59 ng/ul
 RT: 9.68 min Scan# 1190
 Delta R.T. 0.15 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.5	4.6	6.8#
138	0.0	15.4	23.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC





#26

Naphthalene

Concen: 0.03 ng/ul

RT: 10.74 min Scan# 1370

Delta R.T. 0.09 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

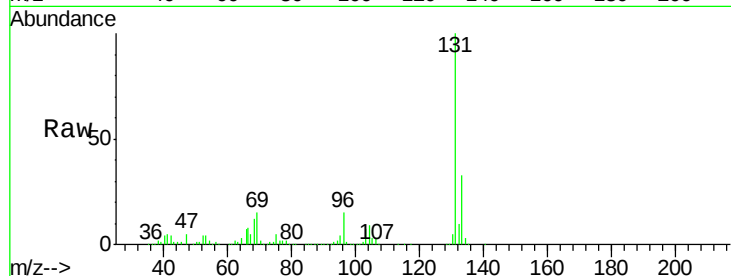
Tgt Ion:128 Resp: 540

Ion Ratio Lower Upper

128 100

129 204.8 8.7 13.1#

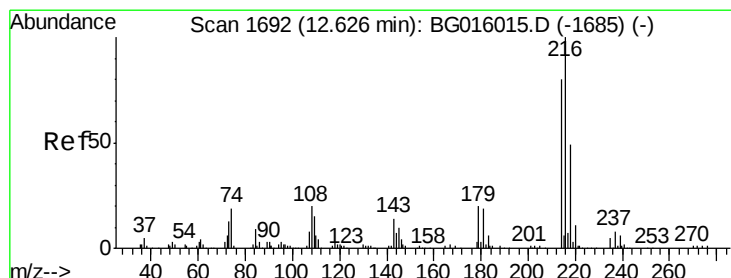
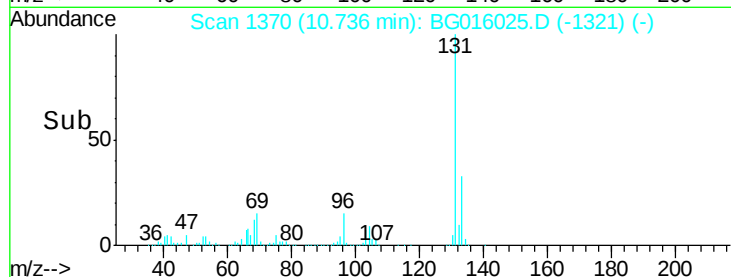
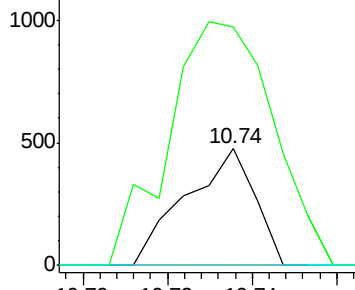
127 0.0 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

1,2,4,5-Tetrachlorobenzene

Concen: 0.05 ng/ul

RT: 12.63 min Scan# 1692

Delta R.T. 0.00 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

Tgt Ion:216 Resp: 346

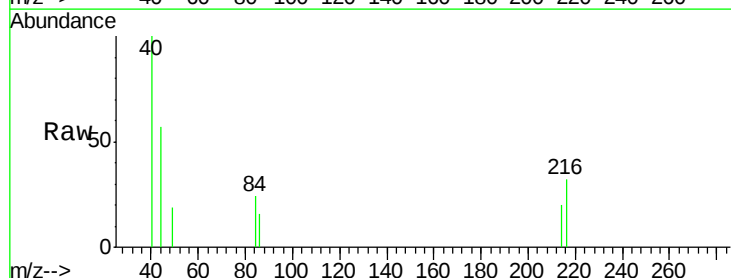
Ion Ratio Lower Upper

216 100

214 63.5 64.3 96.5#

179 0.0 15.7 23.5#

108 0.0 16.1 24.1#

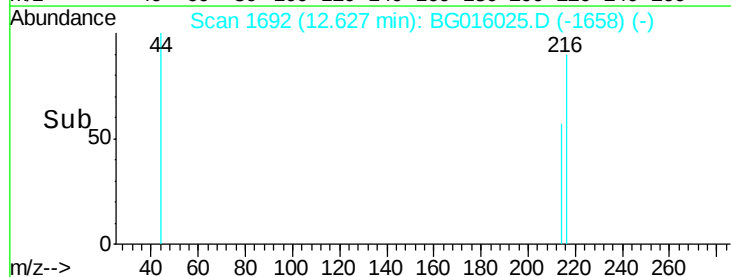
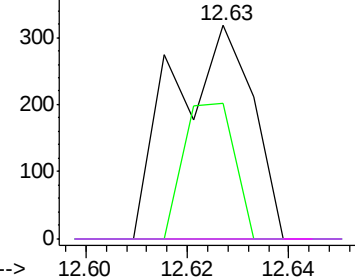


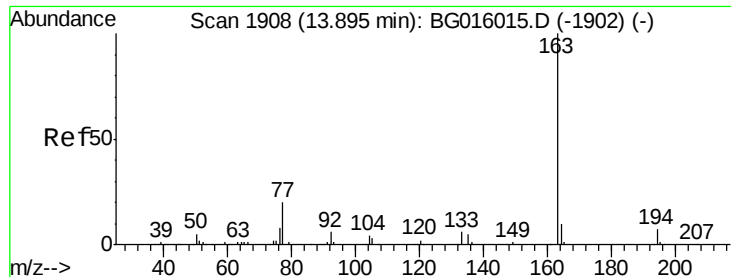
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#42

Dimethylphthalate

Concen: 0.04 ng/ul

RT: 13.85 min Scan# 1900

Delta R.T. -0.05 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

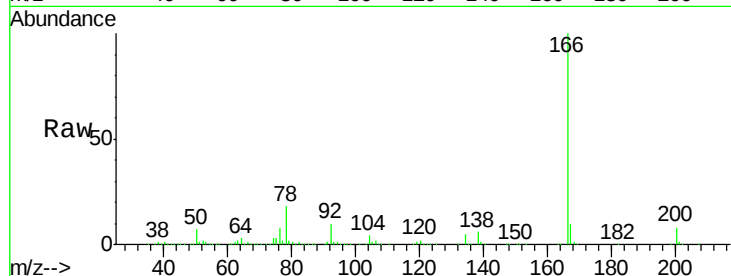
Tgt Ion:163 Resp: 675

Ion Ratio Lower Upper

163 100

194 0.0 5.3 7.9#

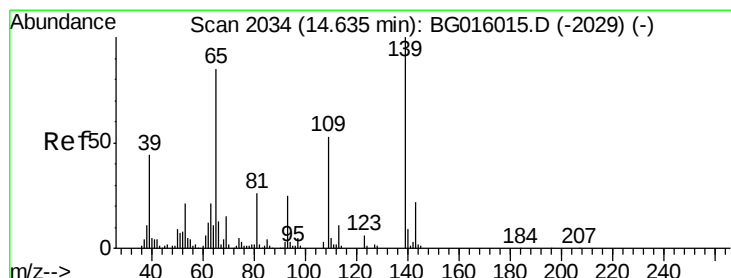
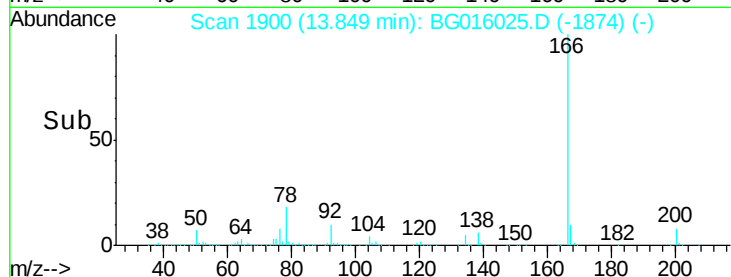
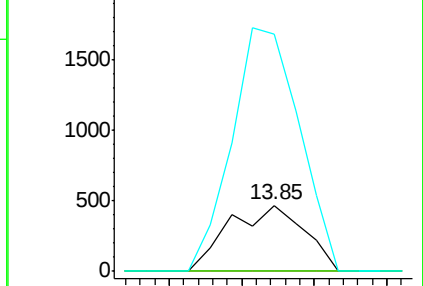
164 358.5 8.5 12.7#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

4-Nitrophenol

Concen: 0.86 ng/ul

RT: 14.75 min Scan# 2054

Delta R.T. 0.12 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

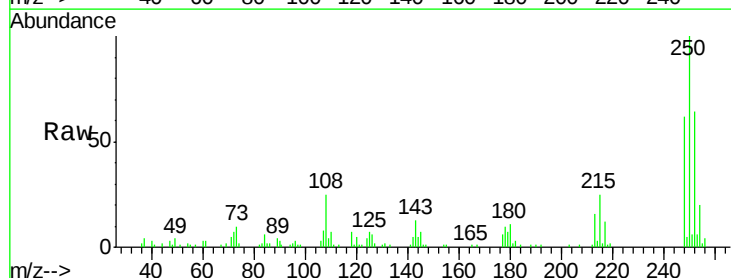
Tgt Ion:109 Resp: 1638

Ion Ratio Lower Upper

109 100

139 0.0 146.1 219.1#

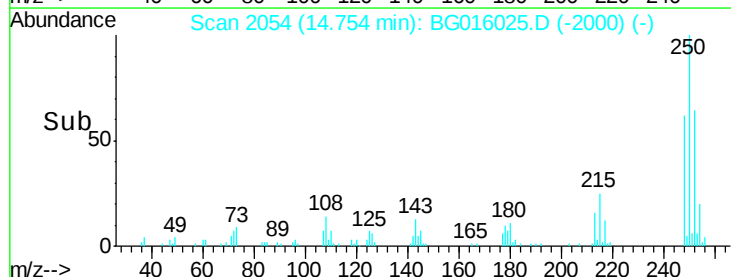
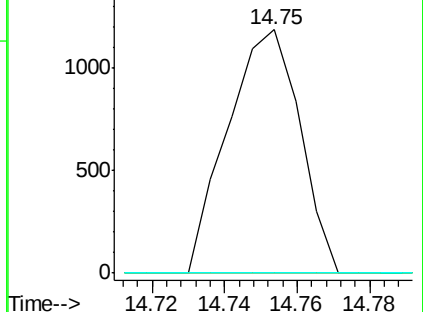
65 0.0 123.5 185.3#

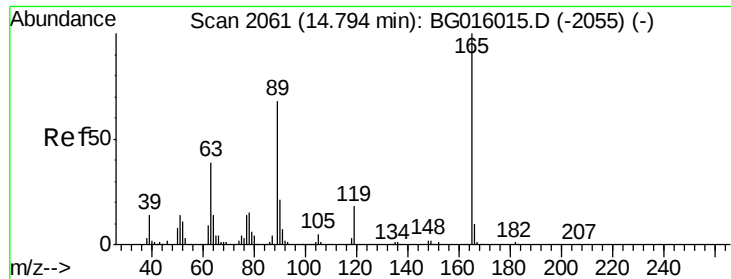


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

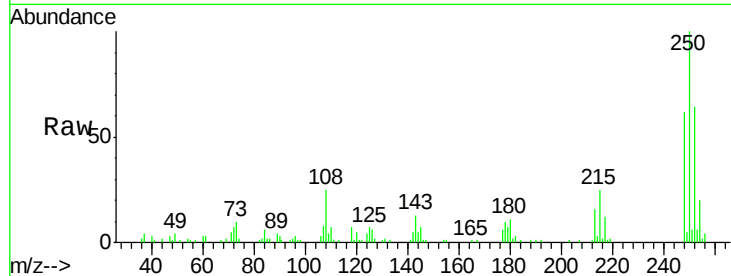
Ion 65.00 (64.70 to 65.70): BG



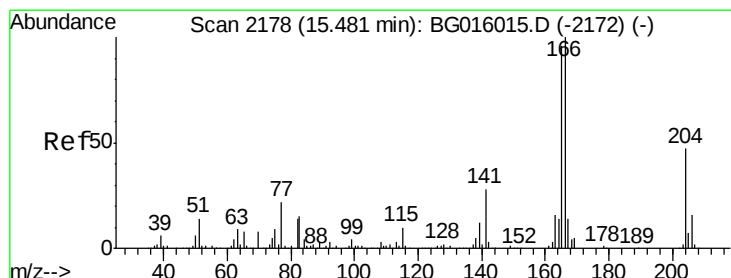
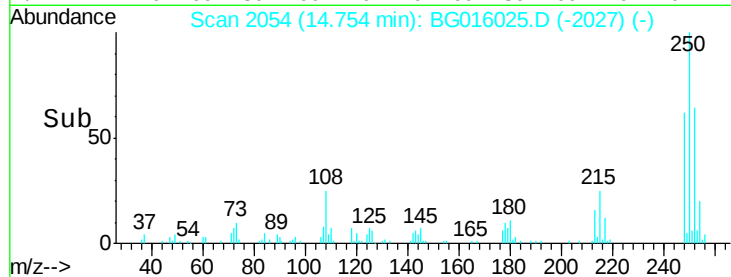
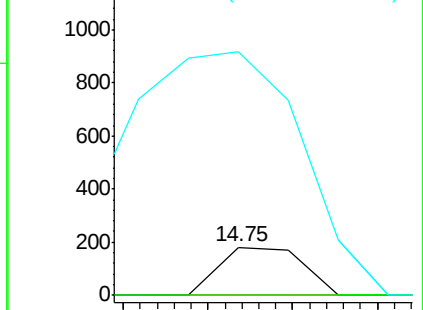


#52
 2,4-Dinitrotoluene
 Concen: 0.03 ng/ul
 RT: 14.75 min Scan# 2054
 Delta R.T. -0.04 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.0	42.0#
182	509.4	4.1	6.1#

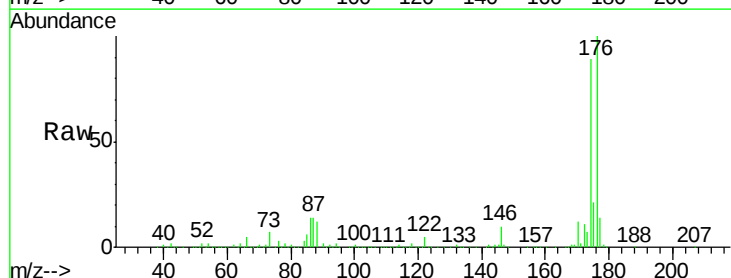


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 182.00 (181.70 to 182.70): E

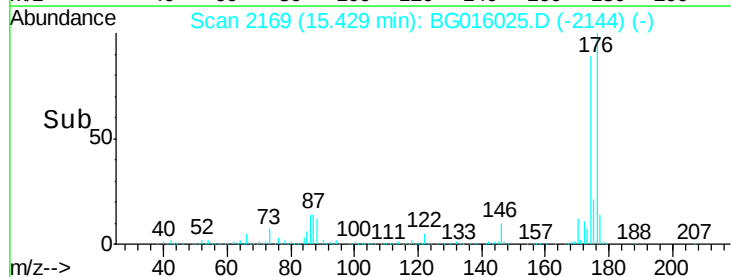
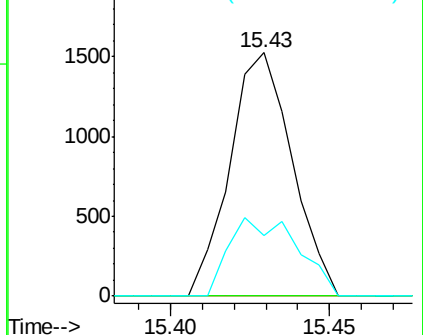


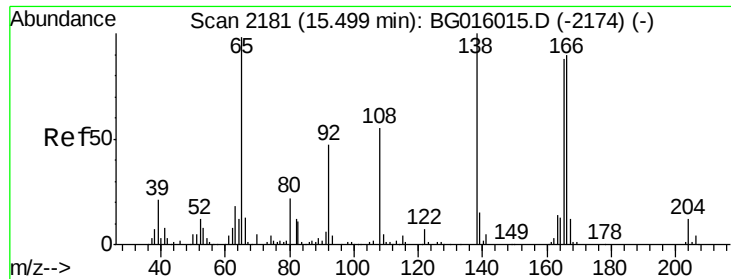
#56
 Fluorene
 Concen: 0.11 ng/ul
 RT: 15.43 min Scan# 2169
 Delta R.T. -0.05 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.4	113.2#
167	24.7	11.0	16.4#



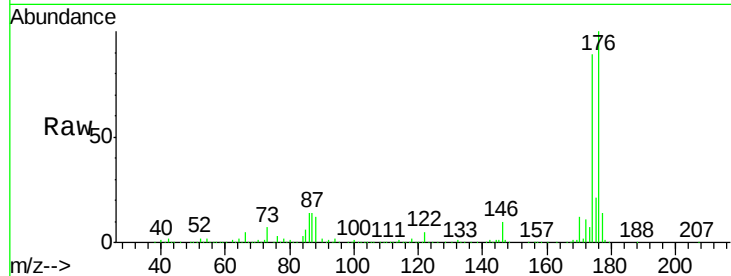
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E



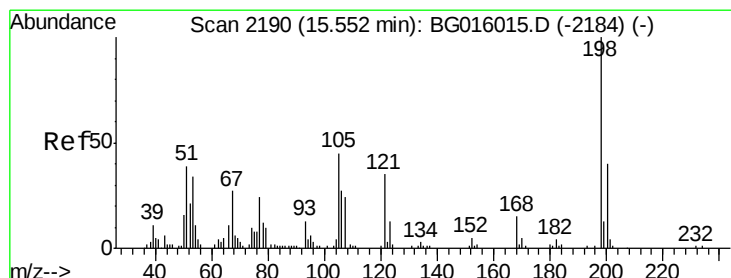
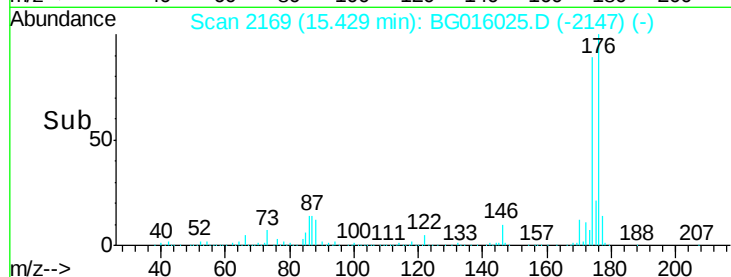
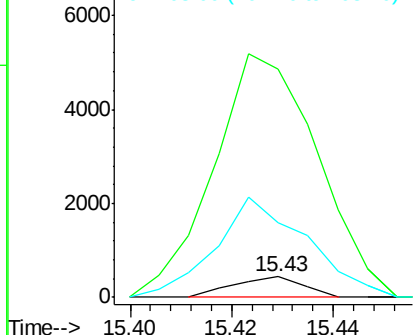


#58
 4-Nitroaniline
 Concen: 0.10 ng/ul
 RT: 15.43 min Scan# 2169
 Delta R.T. -0.07 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion:138 Resp: 433
 Ion Ratio Lower Upper
 138 100
 92 1101.6 38.1 57.1#
 108 362.8 46.4 69.6#

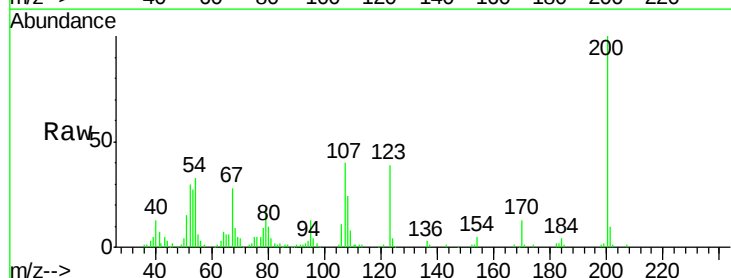


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 108.00 (107.70 to 108.70): E

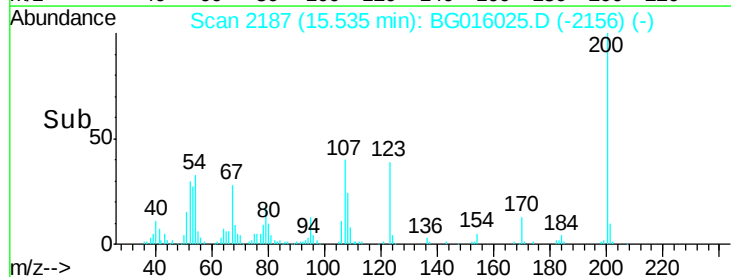
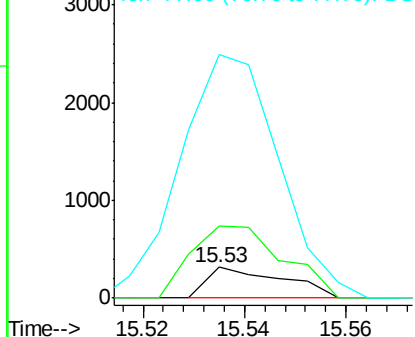


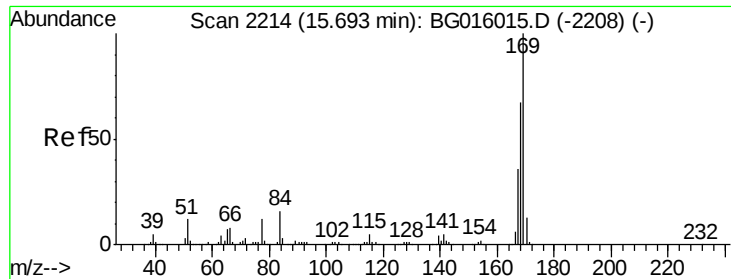
#61
 4,6-Dinitro-2-methylphenol
 Concen: 0.15 ng/ul
 RT: 15.53 min Scan# 2187
 Delta R.T. -0.02 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion:198 Resp: 327
 Ion Ratio Lower Upper
 198 100
 182 234.4 2.0 3.0#
 77 785.8 15.8 23.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BGC

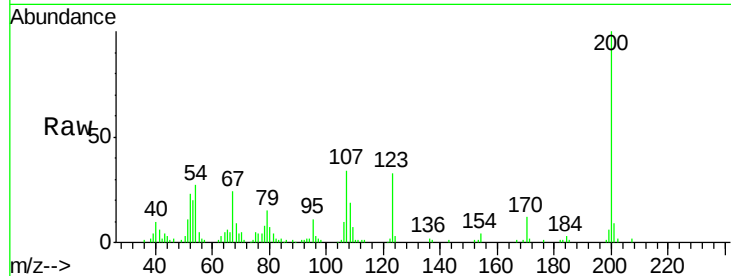




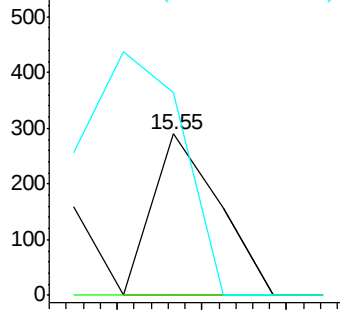
#62

N-Nitrosodiphenylamine
 Concen: 0.01 ng/ul
 RT: 15.55 min Scan# 2189
 Delta R.T. -0.15 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

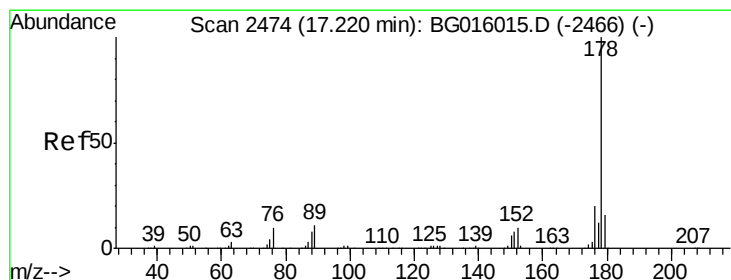
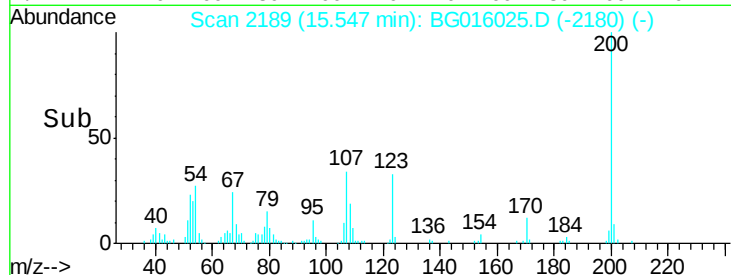
Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.8	80.8#
167	125.9	29.2	43.8#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



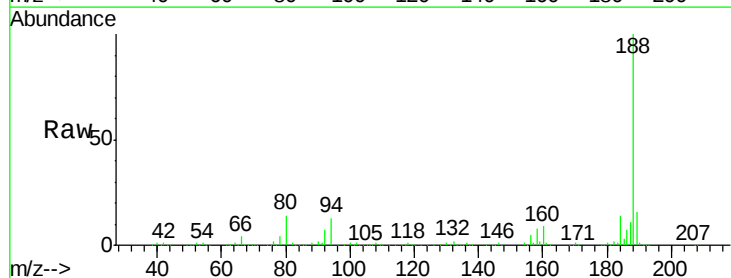
Time-->



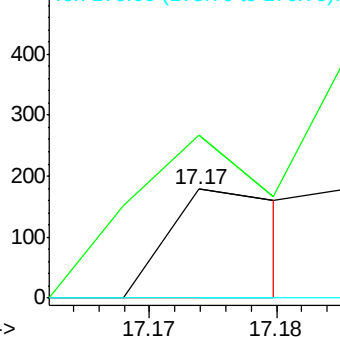
#67

Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.17 min Scan# 2466
 Delta R.T. -0.05 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

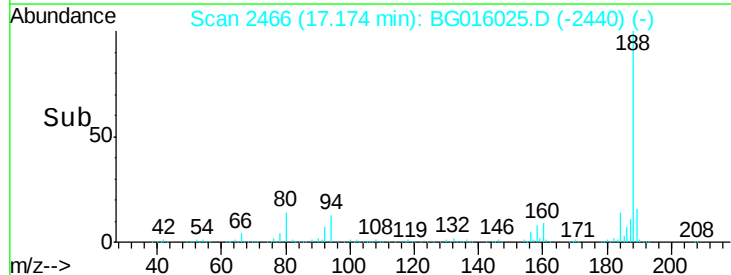
Tgt Ion	Ratio	Lower	Upper
178	100		
179	149.7	12.8	19.2#
176	0.0	16.5	24.7#

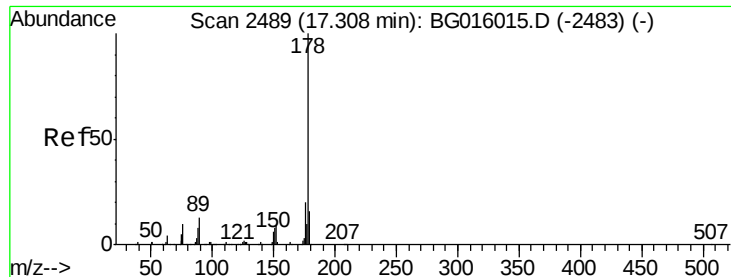


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



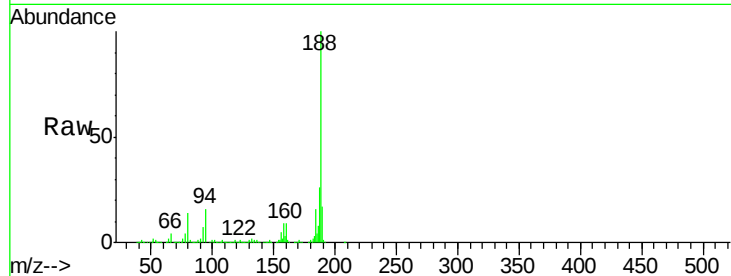
Time-->



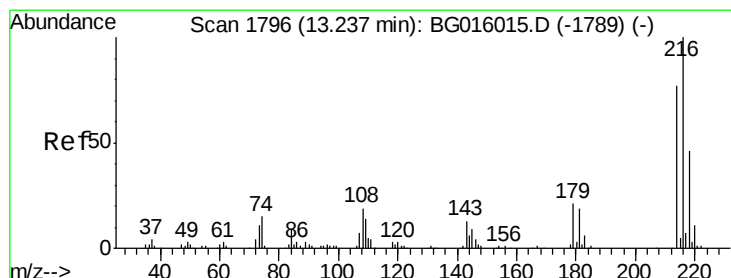
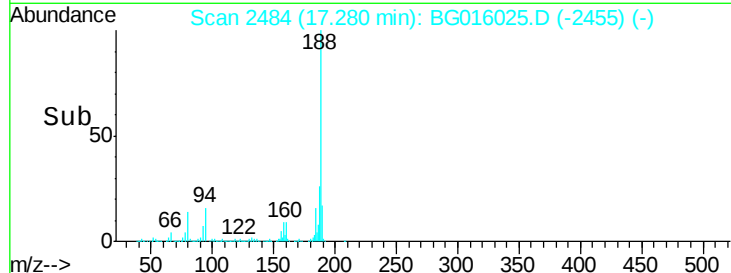
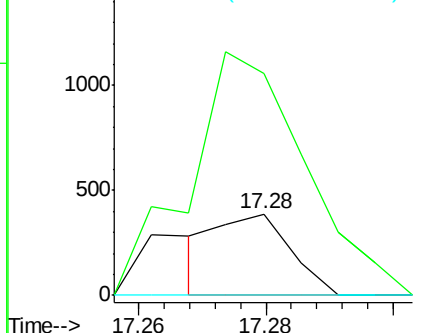


#69
 Anthracene
 Concen: 0.01 ng/uL
 RT: 17.28 min Scan# 2484
 Delta R.T. -0.03 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion:178 Resp: 309
 Ion Ratio Lower Upper
 178 100
 179 272.7 12.9 19.3#
 176 0.0 15.7 23.5#

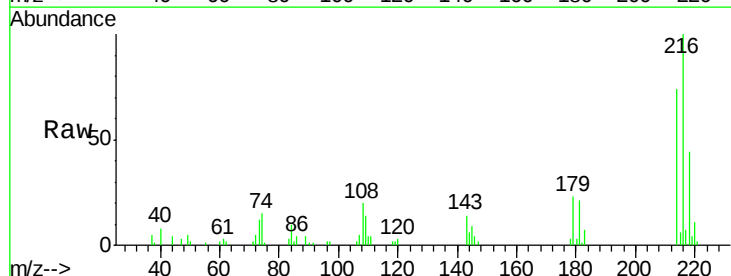


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

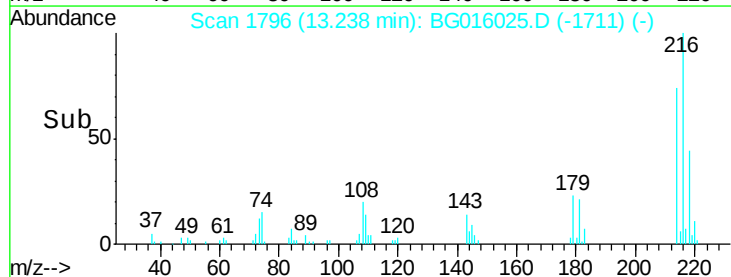
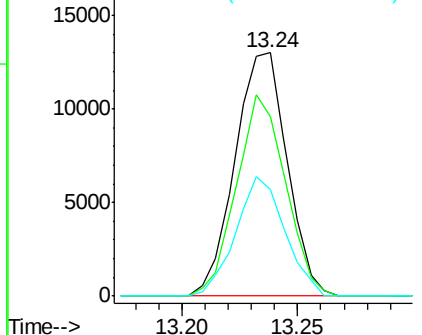


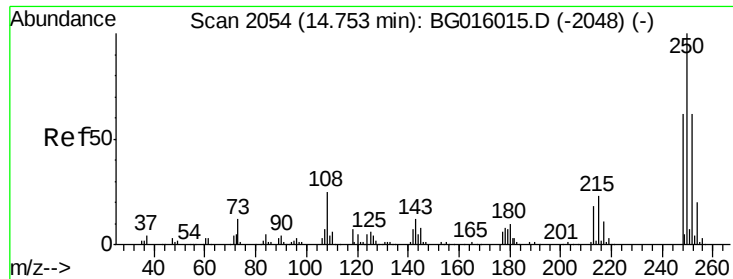
#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 3.09 ng/uL
 RT: 13.24 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion:216 Resp: 20493
 Ion Ratio Lower Upper
 216 100
 214 74.0 64.5 96.7
 218 43.9 37.9 56.9



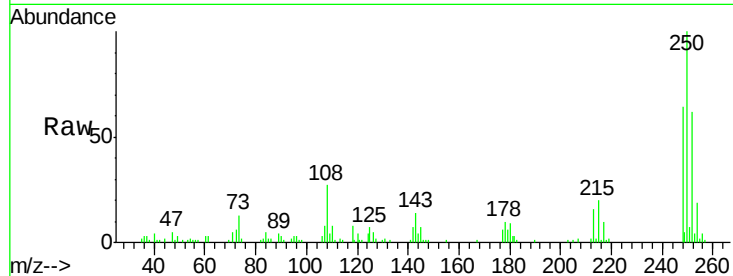
Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 218.00 (217.70 to 218.70): E



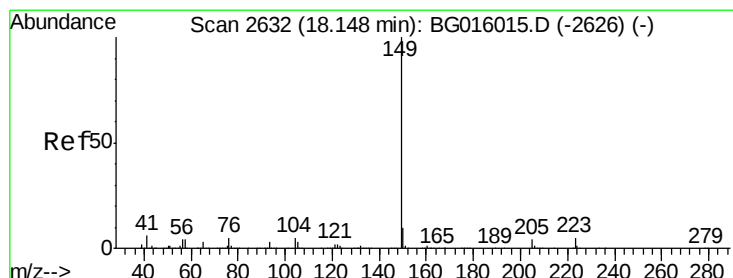
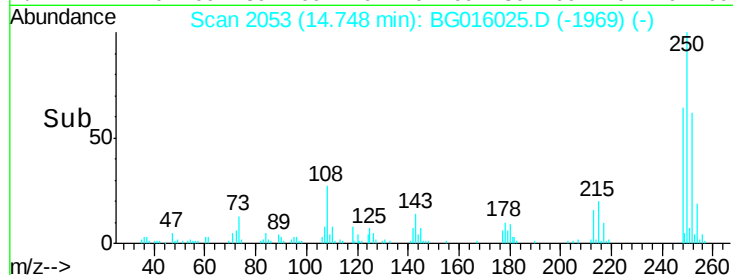
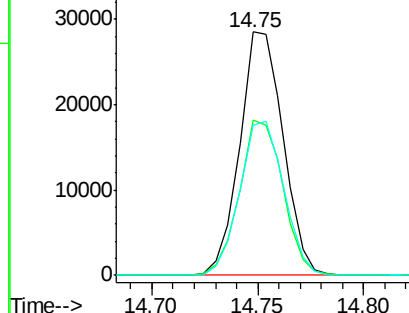


#71
 Pentachlorobenzene
 Concen: 6.25 ng/uL
 RT: 14.75 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
250	100		
248	63.9	50.5	75.7
252	61.9	50.7	76.1

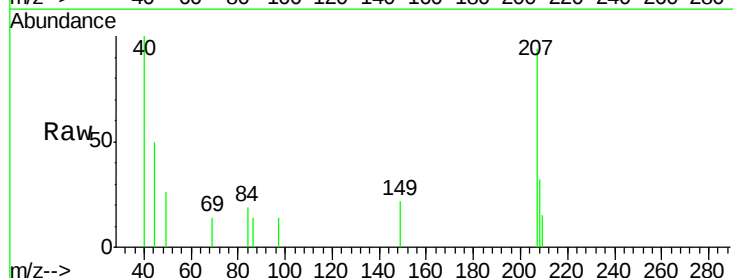


Abundance Ion 250.00 (249.70 to 250.70): E
 Ion 248.00 (247.70 to 248.70): E
 Ion 252.00 (251.70 to 252.70): E

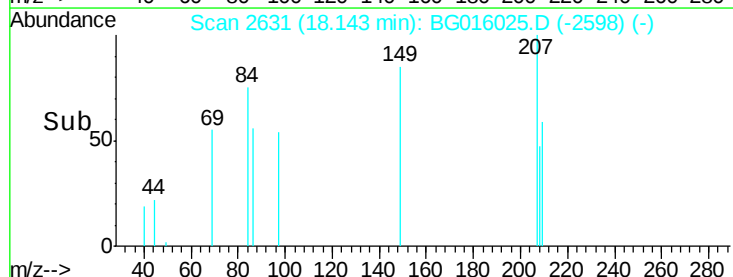
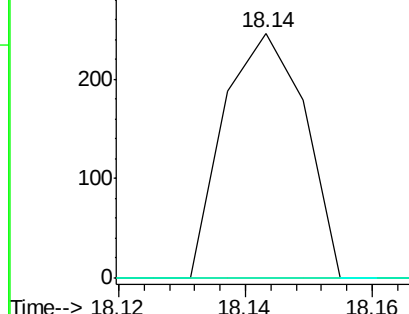


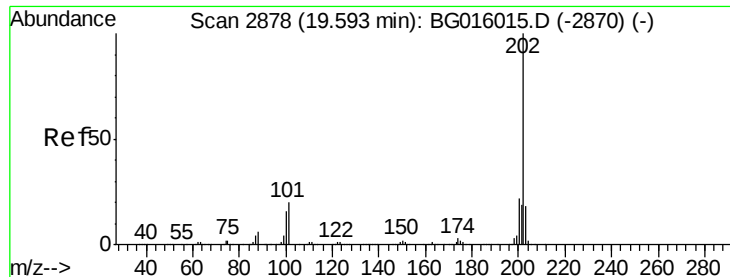
#73
 Di-n-butylphthalate
 Concen: 0.01 ng/uL
 RT: 18.14 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

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



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#77

Pyrene

Concen: 0.06 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. -0.02 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

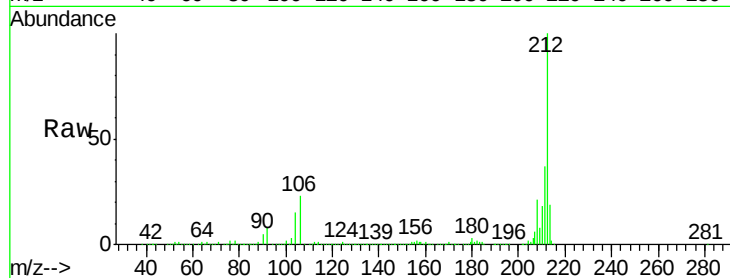
Tgt Ion: 202 Resp: 2129

Ion Ratio Lower Upper

202 100

101 131.7 15.8 23.8#

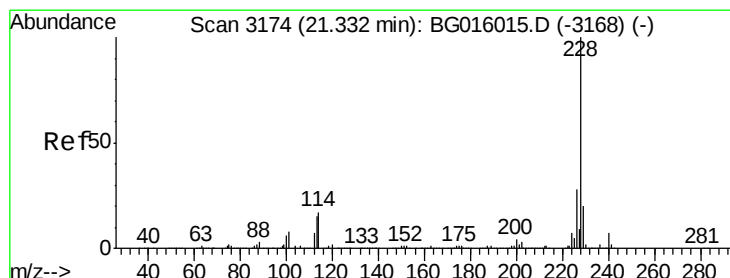
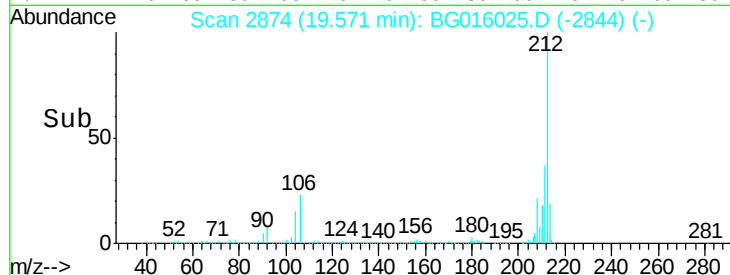
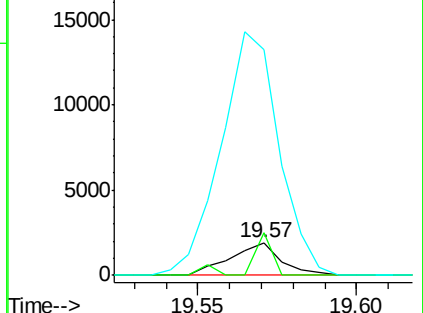
100 690.0 12.7 19.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 0.05 ng/ul

RT: 21.34 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG016025.D

Acq: 20 Feb 2015 6:22

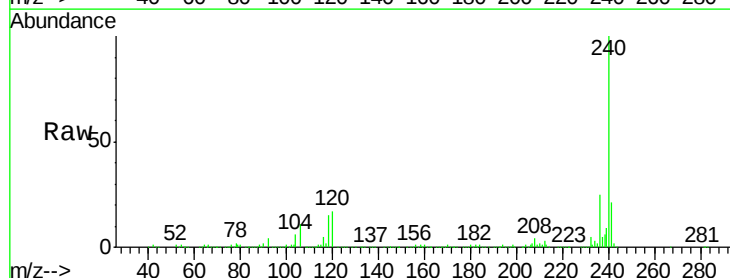
Tgt Ion: 228 Resp: 1638

Ion Ratio Lower Upper

228 100

229 25.4 16.4 24.6#

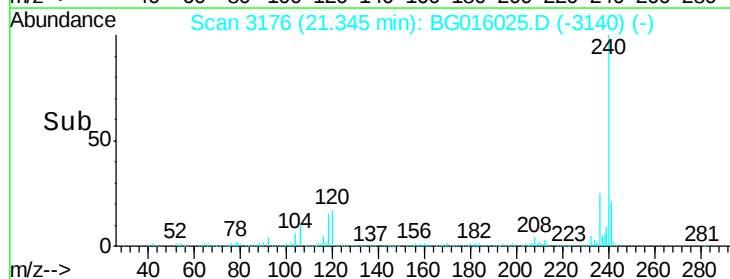
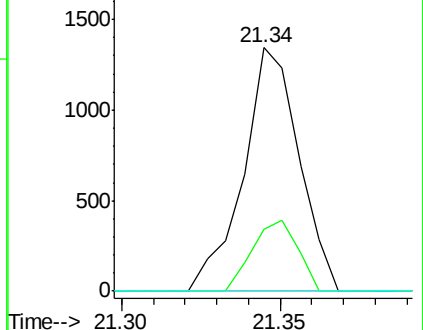
226 0.0 22.8 34.2#

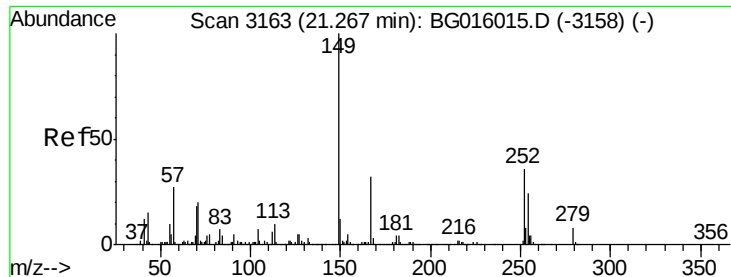


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

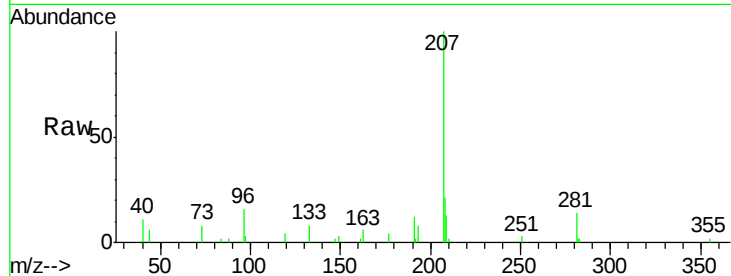
Ion 226.00 (225.70 to 226.70): E



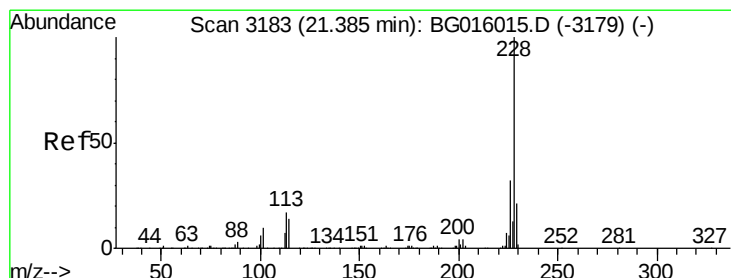
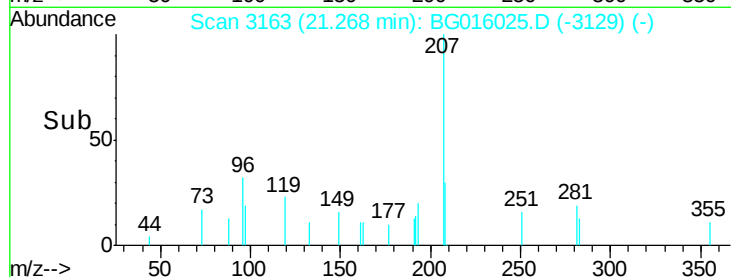
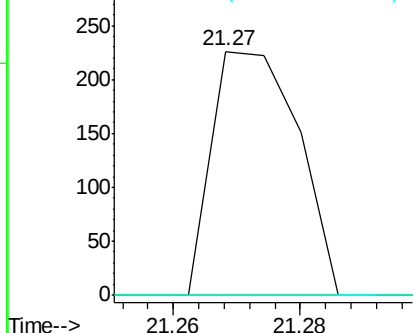


#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng/ul
 RT: 21.27 min Scan# 3163
 Delta R.T. 0.00 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	25.5	38.3#
279	0.0	6.0	9.0#

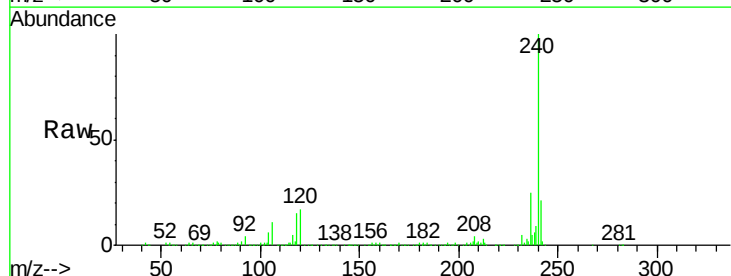


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

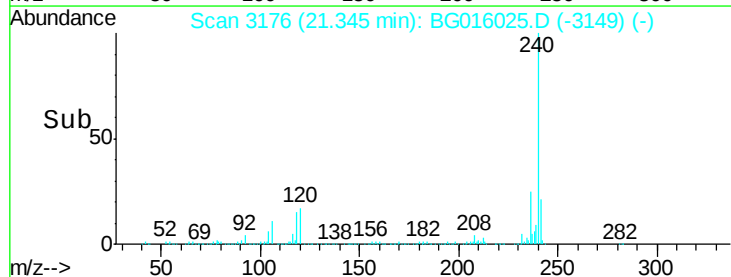
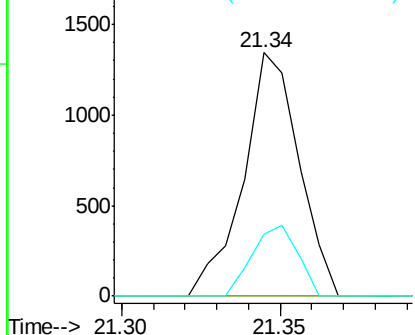


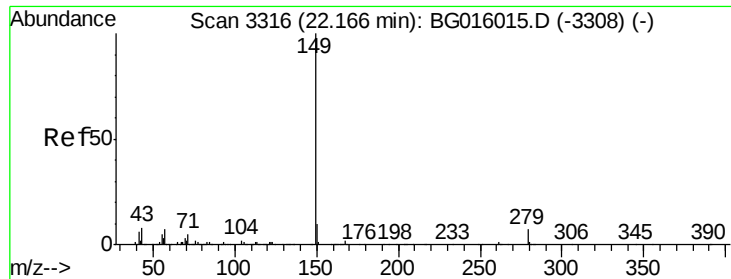
#82
 Chrysene
 Concen: 0.06 ng/ul
 RT: 21.34 min Scan# 3176
 Delta R.T. -0.04 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.7	37.1#
229	25.4	17.0	25.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

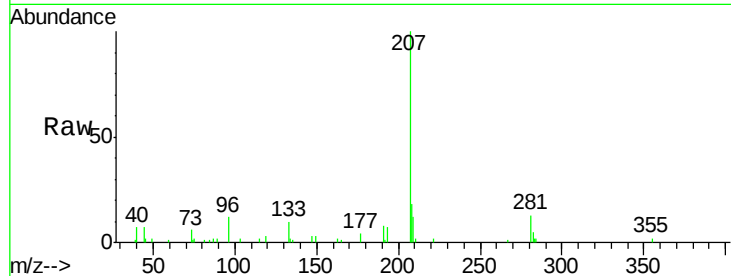




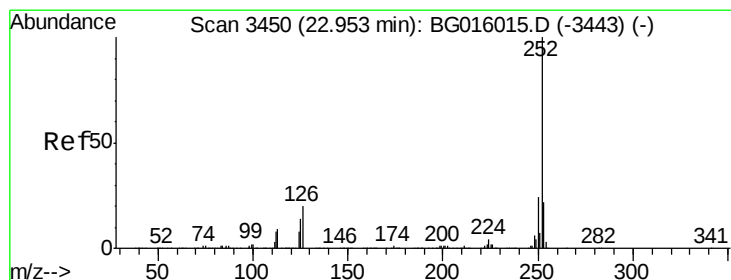
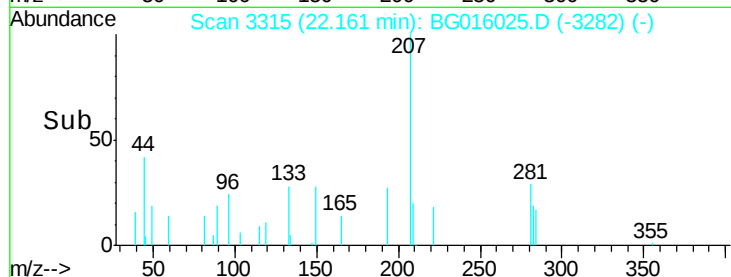
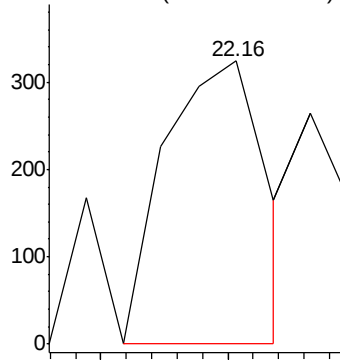
#84

Di-n-octyl phthalate
Concen: 0.01 ng/ul
RT: 22.16 min Scan# 3315
Delta R.T. -0.00 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

Tgt Ion:149 Resp: 356



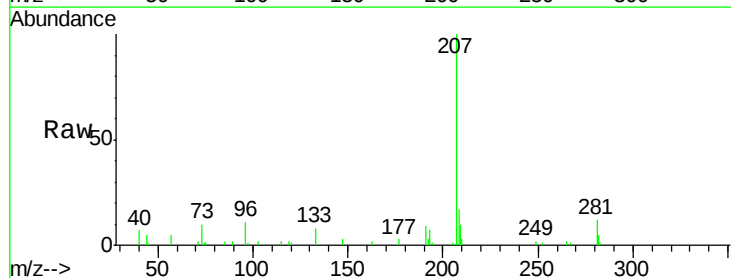
Abundance Ion 149.00 (148.70 to 149.70): E



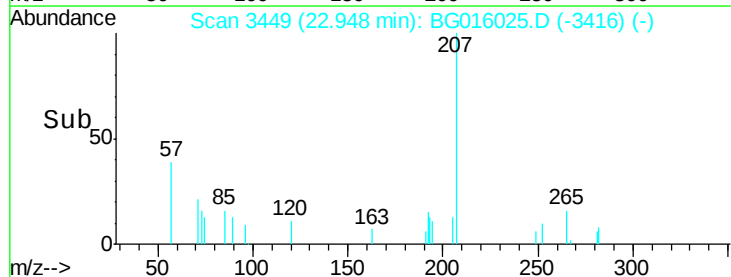
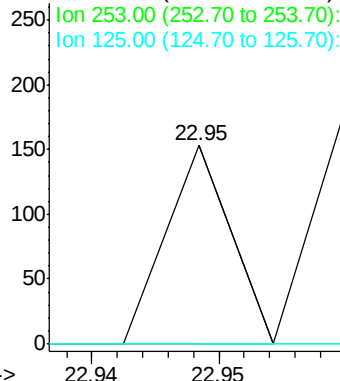
#85

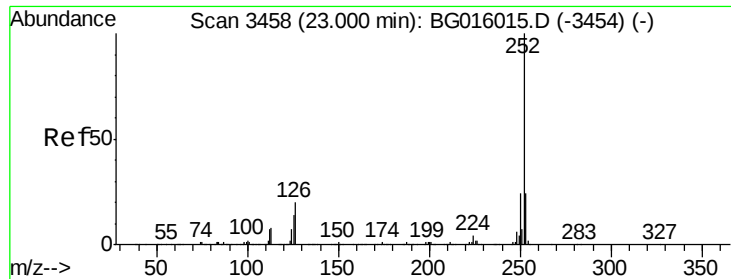
Benzo(b)fluoranthene
Concen: 0.00 ng/ul
RT: 22.95 min Scan# 3449
Delta R.T. -0.00 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

Tgt Ion:252 Resp: 54
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 0.0 11.9 17.9#



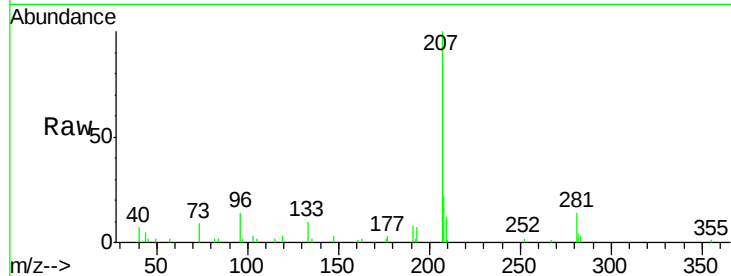
Abundance Ion 252.00 (251.70 to 252.70): E



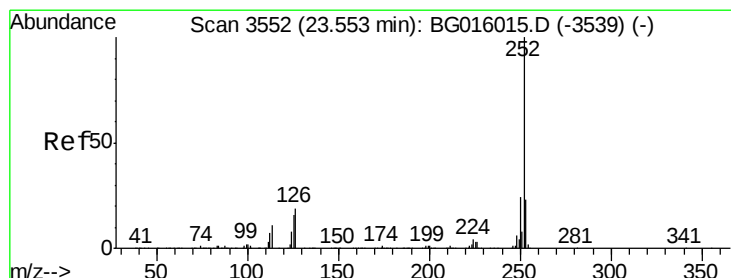
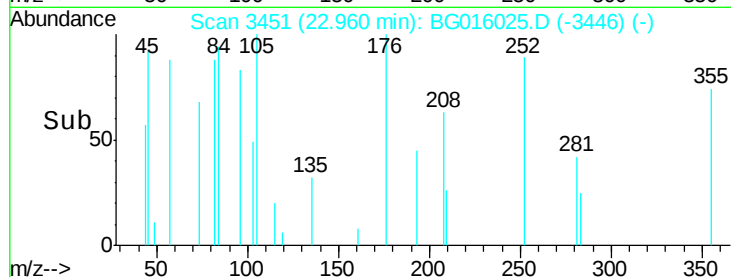
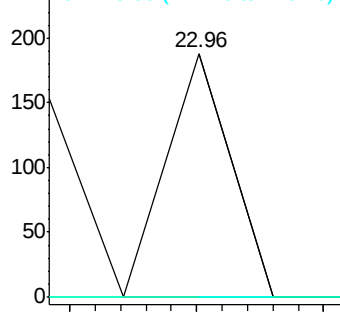


#86
Benzo(k)fluoranthene
Concen: 0.00 ng/u1
RT: 22.96 min Scan# 3451
Delta R.T. -0.04 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

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

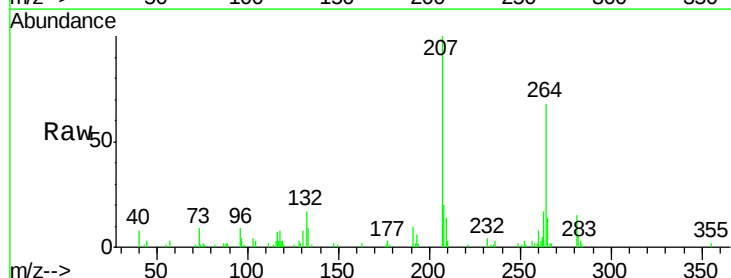


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

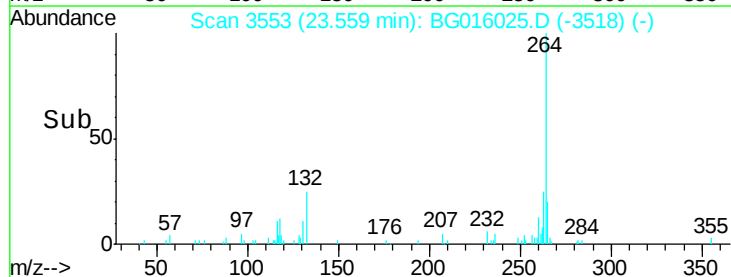
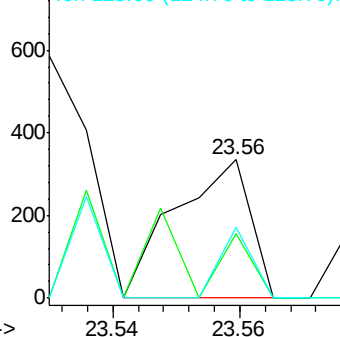


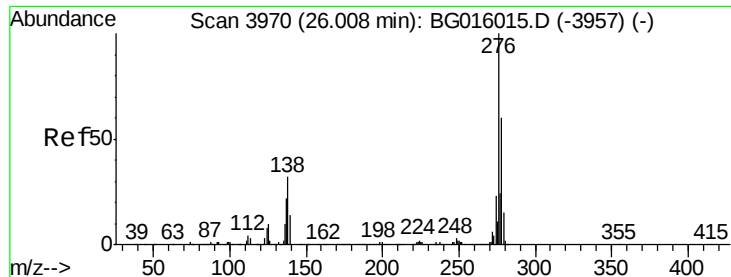
#88
Benzo(a)pyrene
Concen: 0.01 ng/u1
RT: 23.56 min Scan# 3553
Delta R.T. 0.01 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.0	17.9	26.9#
125	51.5	13.2	19.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

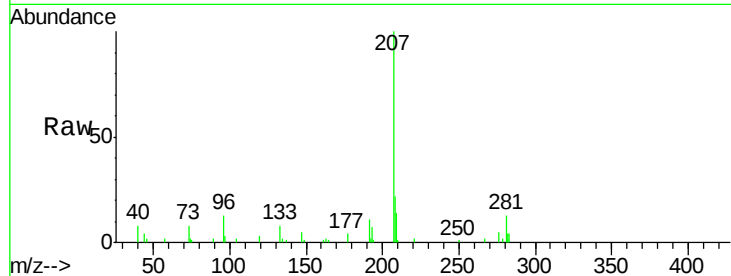




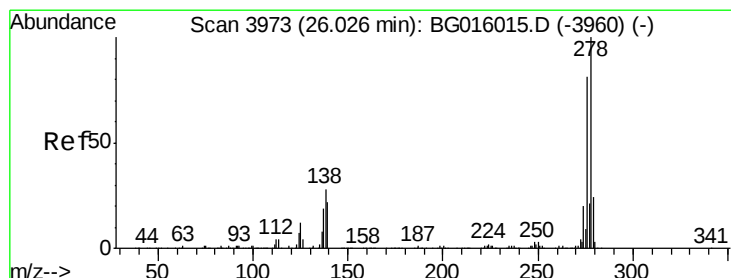
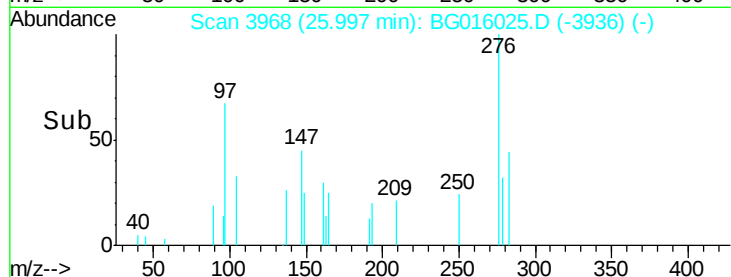
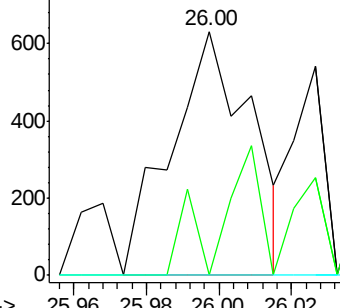
#89

Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng/ul
RT: 26.00 min Scan# 3968
Delta R.T. -0.01 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

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



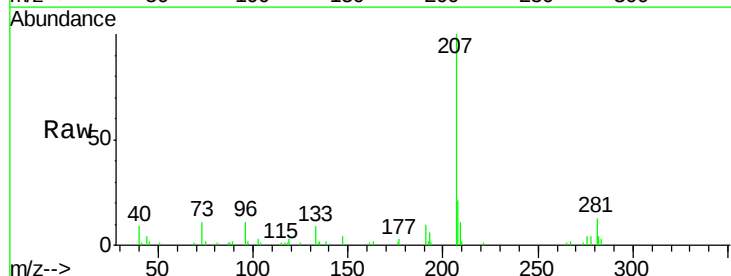
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



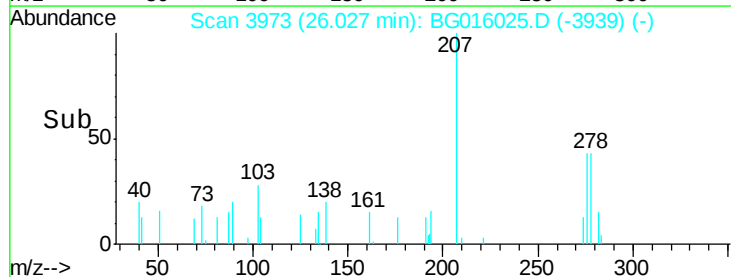
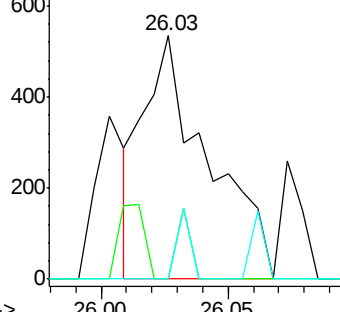
#90

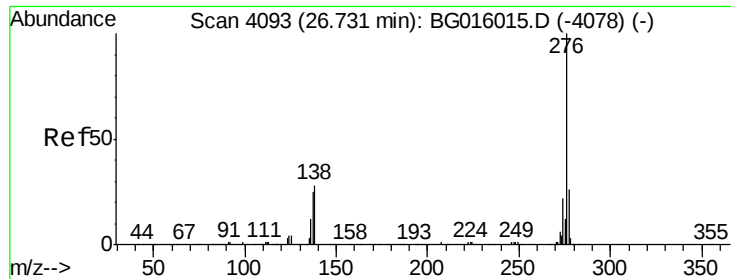
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 26.03 min Scan# 3973
Delta R.T. 0.00 min
Lab File: BG016025.D
Acq: 20 Feb 2015 6:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.4#
279	0.0	19.3	28.9#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 0.02 ng/ul
 RT: 26.74 min Scan# 4094
 Delta R.T. 0.01 min
 Lab File: BG016025.D
 Acq: 20 Feb 2015 6:22

Tgt Ion:	276	Resp:	683
Ion	Ratio	Lower	Upper
276	100		
138	34.0	23.0	34.4
277	38.0	20.0	30.0#

