

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016009.D
 Acq On : 19 Feb 2015 19:23
 Operator : TP/IZ
 Sample : MDL-02-W
 Misc : MDL-WATER-3PPM-SOM0
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 20 06:16:24 2015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Feb 20 05:38:39 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	97373	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	424074	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	257721	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.18	188	556938	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	578223	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	579912	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.97	99	289459	31.25	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	177458	32.43	ng/ul	0.00
7) 2-Chlorophenol-d4	7.35	132	221328	32.29	ng/ul	0.00
11) 4-Methylphenol-d8	8.51	113	217474	31.72	ng/ul	0.00
17) Nitrobenzene-d5	8.97	128	107330	35.81	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	99328	35.93	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.22	165	188929	31.50	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	341538	51.69	ng/ul	0.00
41) Dimethylphthalate-d6	13.85	166	614517	35.66	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	803424	32.95	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	103556	29.89	ng/ul	0.00
55) Fluorene-d10	15.43	176	586820	33.88	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	43323	20.17	ng/ul	0.00
68) Anthracene-d10	17.27	188	896220	33.93	ng/ul	0.00
76) Pyrene-d10	19.56	212	960775	35.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	888102	33.77	ng/ul	0.00

Target Compounds

					Qvalue
2) Benzaldehyde	6.98	77	196	0.03 ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.25	93	1038	0.14 ng/ul#	68
10) 2,2'-oxybis(1-Chloropropan	8.51	45	1609	0.16 ng/ul#	75
13) N-Nitroso-di-n-propylamine	8.54	70	71	0.01 ng/ul#	41
18) Nitrobenzene	8.97	77	749	0.11 ng/ul#	36
19) Isophorone	9.65	82	73	0.00 ng/ul#	63
26) Naphthalene	10.73	128	75	0.00 ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.63	216	240	0.03 ng/ul#	77
42) Dimethylphthalate	13.85	163	348	0.02 ng/ul#	1
50) 4-Nitrophenol	14.75	109	1241	0.62 ng/ul#	1
56) Fluorene	15.43	166	1547	0.08 ng/ul#	11
58) 4-Nitroaniline	15.54	138	144	0.03 ng/ul#	1
67) Phenanthrene	17.17	178	167	0.01 ng/ul#	27
69) Anthracene	17.27	178	329	0.01 ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.23	216	14885	2.10 ng/uL	98
71) Pentachlorobenzene	14.75	250	32259	4.65 ng/uL	99
77) Pyrene	19.57	202	1352	0.04 ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1373	0.04 ng/ul#	59
81) Bis(2-ethylhexyl)phthalate	21.11	149	138	0.01 ng/ul#	50
82) Chrysene	21.35	228	1373	0.04 ng/ul#	58
84) Di-n-octyl phthalate	22.17	149	62	0.00 ng/ul	100
88) Benzo(a)pyrene	23.56	252	56	0.00 ng/ul#	57
89) Indeno(1,2,3-cd)pyrene	25.99	276	180	0.00 ng/ul#	45
90) Dibenzo(a,h)anthracene	26.03	278	188	0.01 ng/ul#	53

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Misc : MDL-WATER-3PPM-SOM0
ALS Vial : 9 Sample Multiplier: 1

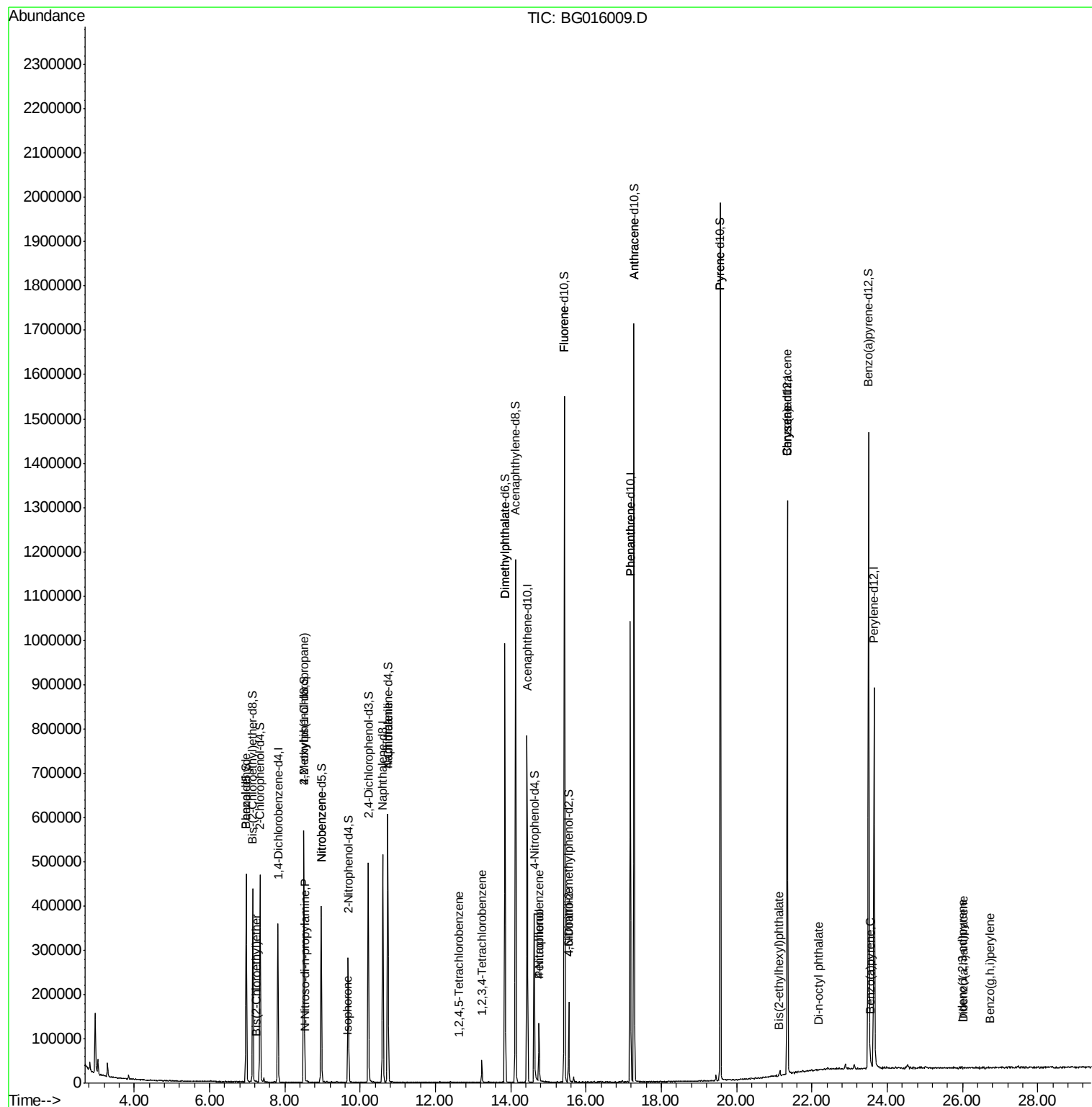
Quant Time: Feb 20 06:16:24 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
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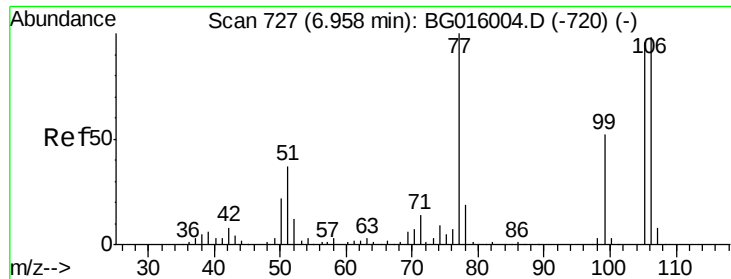
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.72	276	148	0.00	ng/ul#	48

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

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#2

Benzaldehyde

Concen: 0.03 ng/ul

RT: 6.98 min Scan# 730

Delta R.T. 0.02 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

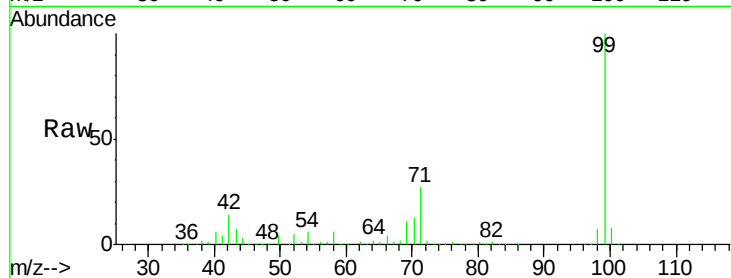
Tgt Ion: 77 Resp: 196

Ion Ratio Lower Upper

77 100

105 0.0 76.6 114.8#

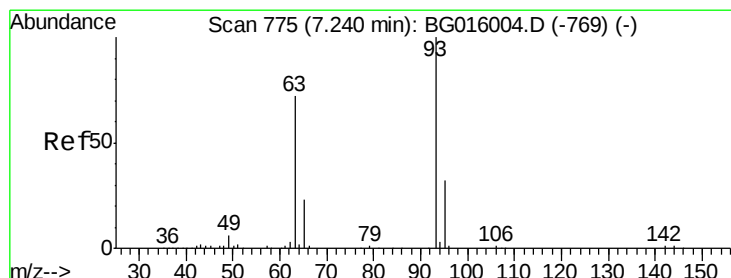
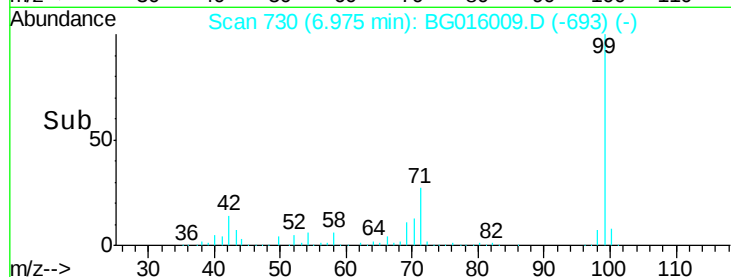
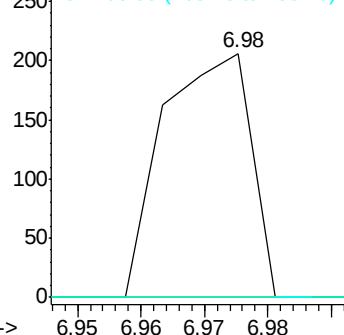
106 0.0 78.2 117.4#



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: 0.14 ng/ul

RT: 7.25 min Scan# 776

Delta R.T. 0.01 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

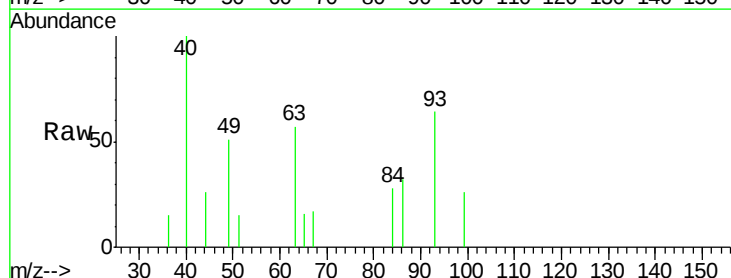
Tgt Ion: 93 Resp: 1038

Ion Ratio Lower Upper

93 100

63 88.9 57.5 86.3#

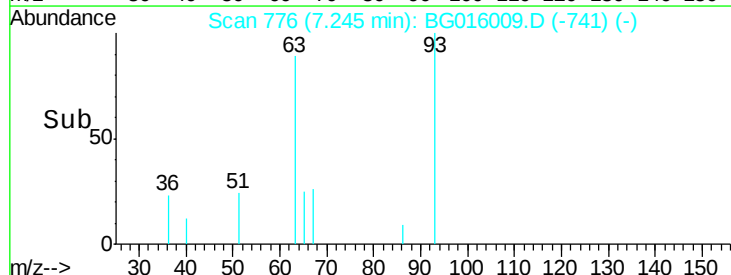
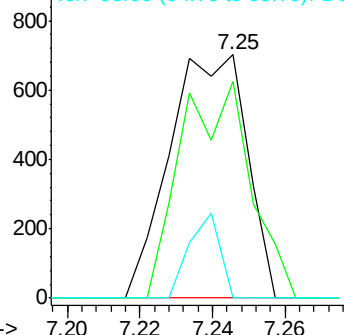
95 0.0 25.8 38.6#

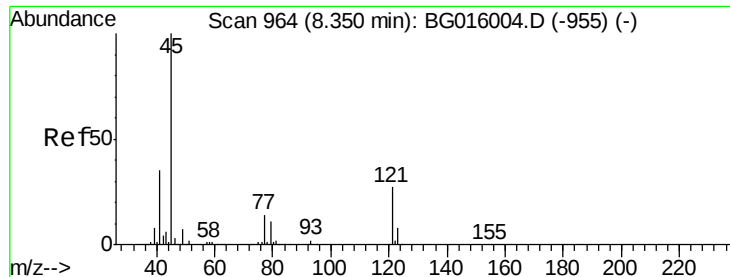


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

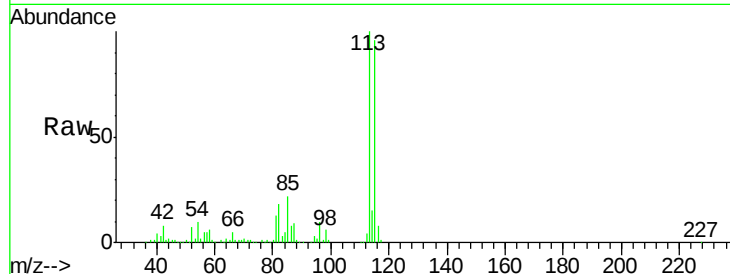
Ion 95.00 (94.70 to 95.70): BGC



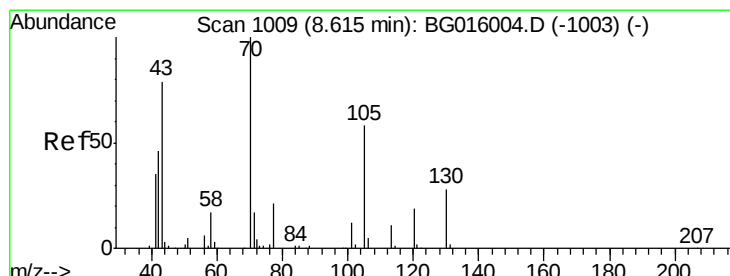
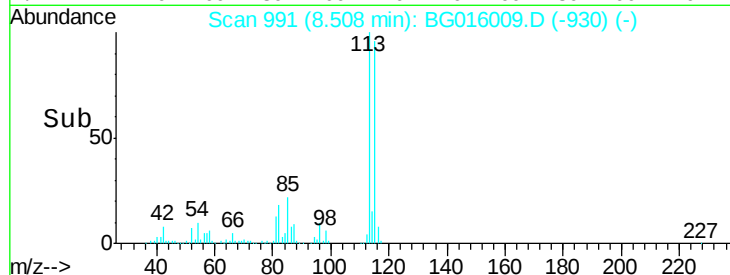
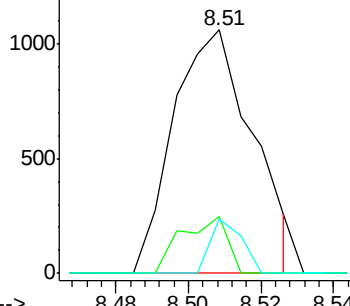


#10
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.16 ng/ul
 RT: 8.51 min Scan# 991
 Delta R.T. 0.16 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

Tgt Ion:	45	Resp:	1609
Ion	Ratio	Lower	Upper
45	100		
77	23.4	11.4	17.2#
79	22.3	9.0	13.6#

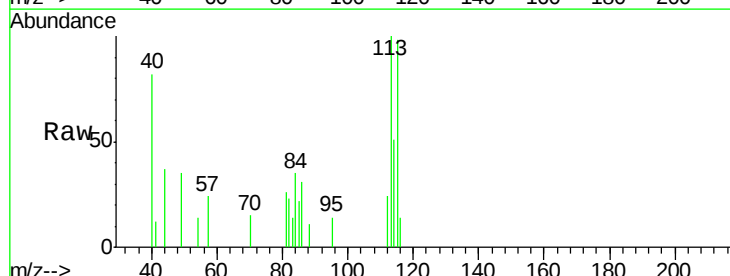


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

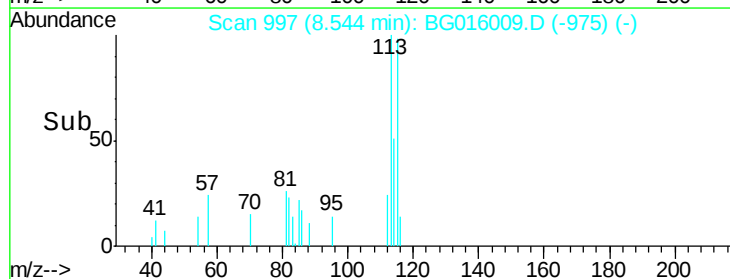
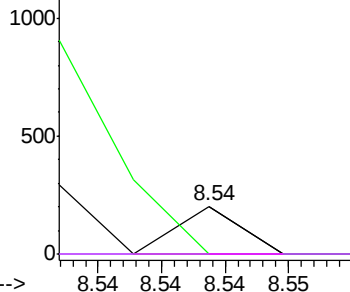


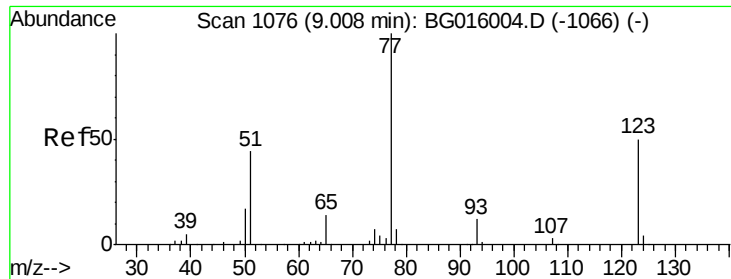
#13
 N-Nitroso-di-n-propylamine
 Concen: 0.01 ng/ul
 RT: 8.54 min Scan# 997
 Delta R.T. -0.07 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

Tgt Ion:	70	Resp:	71
Ion	Ratio	Lower	Upper
70	100		
42	0.0	37.8	56.6#
101	0.0	9.3	13.9#
130	0.0	22.2	33.2#



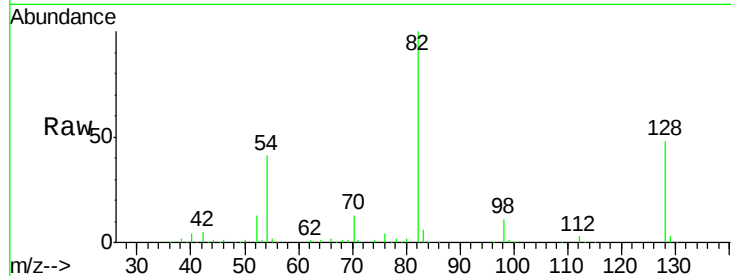
Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): BGC
 Ion 130.00 (129.70 to 130.70): BGC



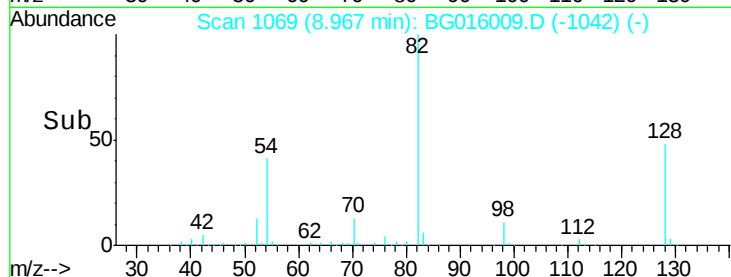
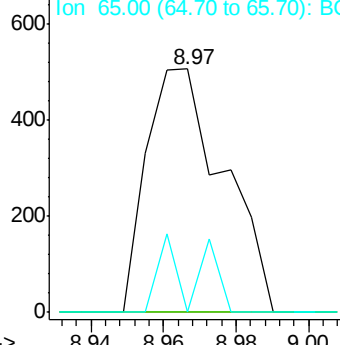


#18
 Nitrobenzene
 Concen: 0.11 ng/ul
 RT: 8.97 min Scan# 1069
 Delta R.T. -0.04 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

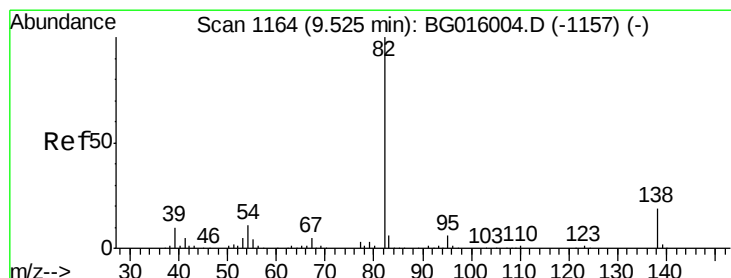
Tgt Ion:	77	Resp:	749
Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	0.0	11.0	16.6#



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

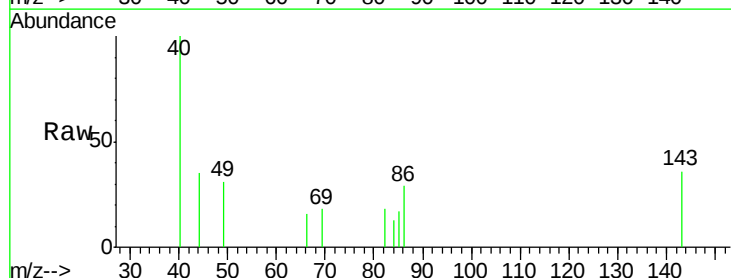


Time-->

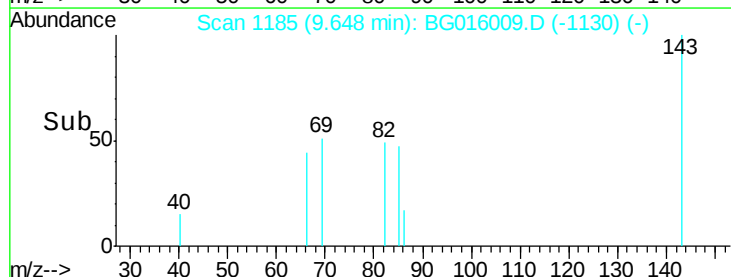
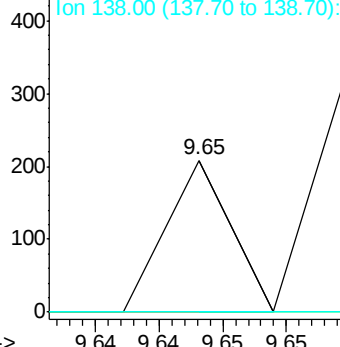


#19
 Isophorone
 Concen: 0.00 ng/ul
 RT: 9.65 min Scan# 1185
 Delta R.T. 0.12 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

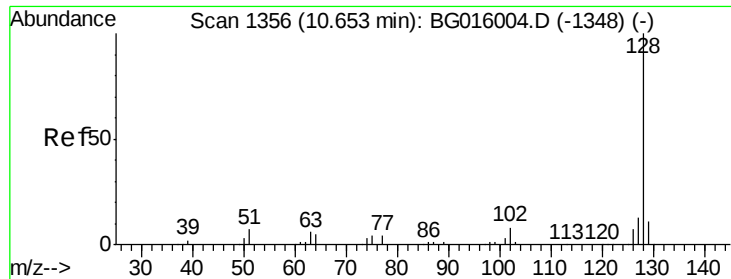
Tgt Ion:	82	Resp:	73
Ion	Ratio	Lower	Upper
82	100		
95	0.0	4.6	6.8#
138	0.0	15.4	23.2#



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



Time-->



#26

Naphthalene

Concen: 0.00 ng/ul

RT: 10.73 min Scan# 1369

Delta R.T. 0.08 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

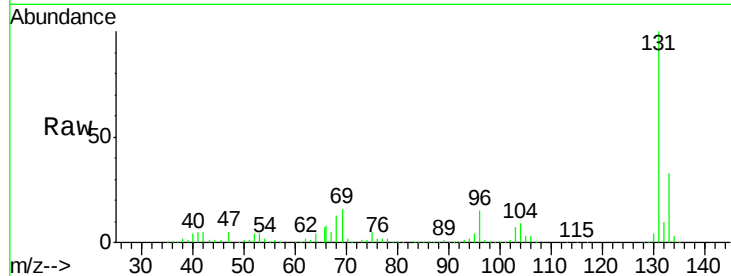
Tgt Ion:128 Resp: 75

Ion Ratio Lower Upper

128 100

129 304.7 8.7 13.1#

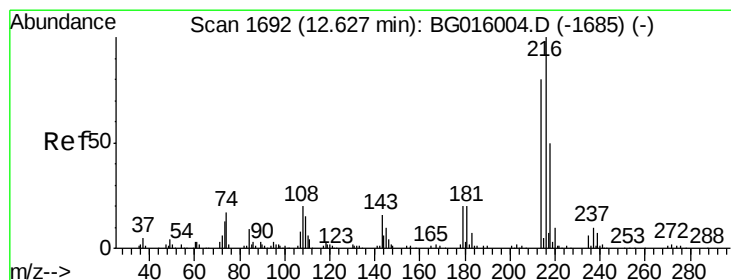
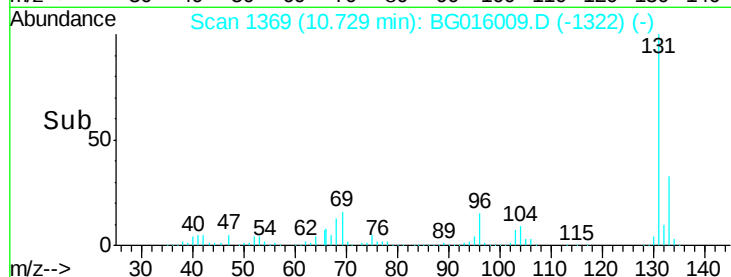
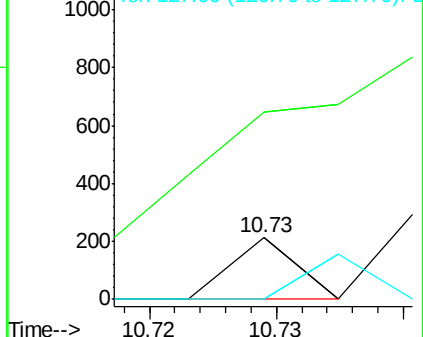
127 0.0 10.4 15.6#



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: 0.03 ng/ul

RT: 12.63 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

Tgt Ion:216 Resp: 240

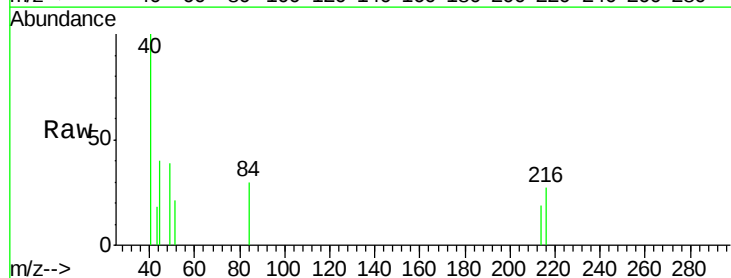
Ion Ratio Lower Upper

216 100

214 69.0 64.3 96.5

179 0.0 15.7 23.5#

108 0.0 16.1 24.1#

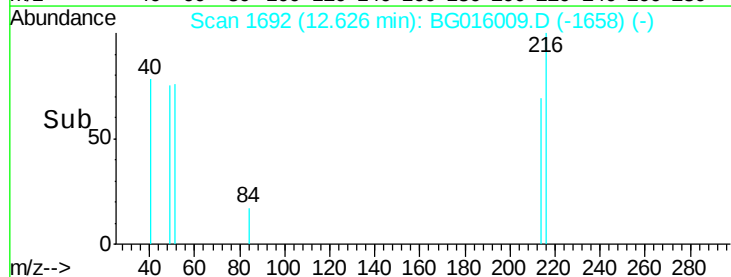
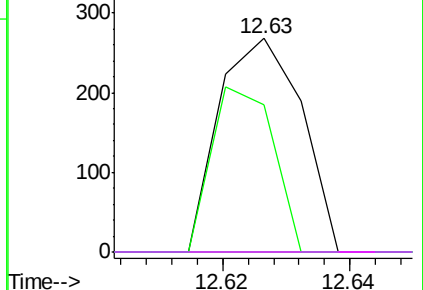


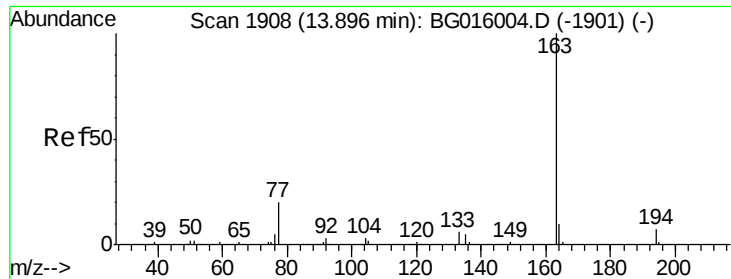
Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.02 ng/ul

RT: 13.85 min Scan# 1900

Delta R.T. -0.05 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

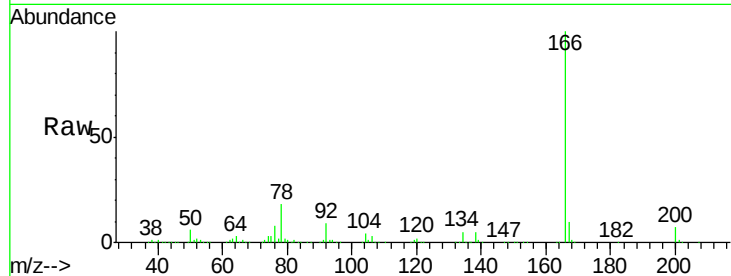
Tgt Ion:163 Resp: 348

Ion Ratio Lower Upper

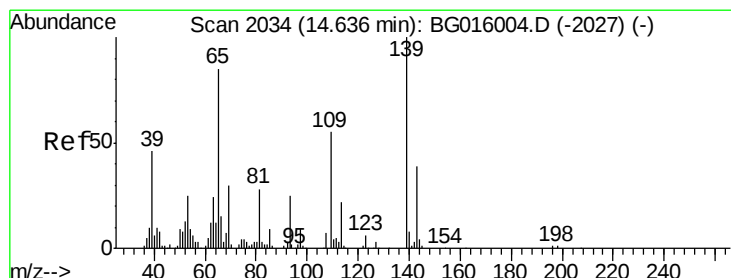
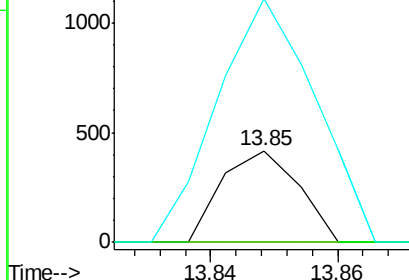
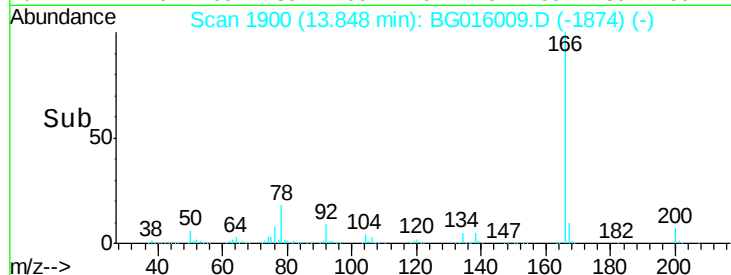
163 100

194 0.0 5.3 7.9#

164 265.3 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: 0.62 ng/ul

RT: 14.75 min Scan# 2054

Delta R.T. 0.12 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

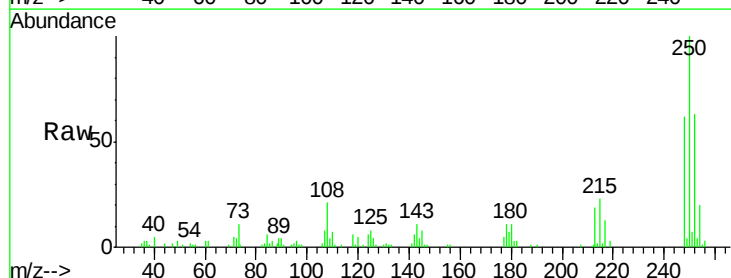
Tgt Ion:109 Resp: 1241

Ion Ratio Lower Upper

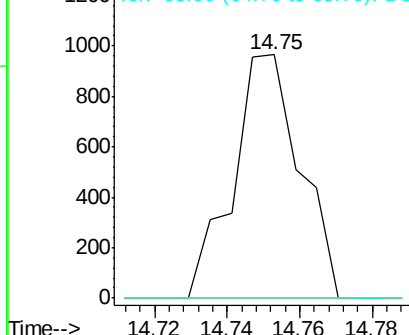
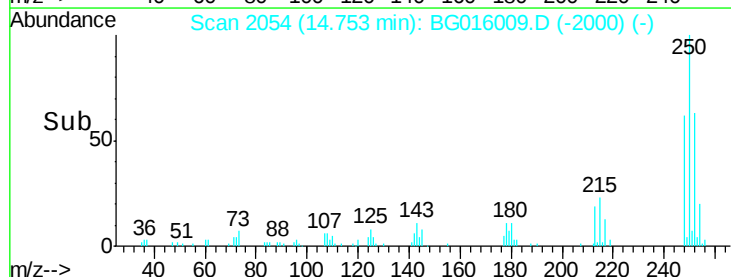
109 100

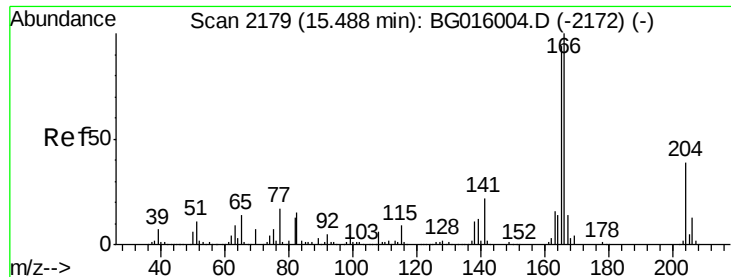
139 0.0 146.1 219.1#

65 0.0 123.5 185.3#



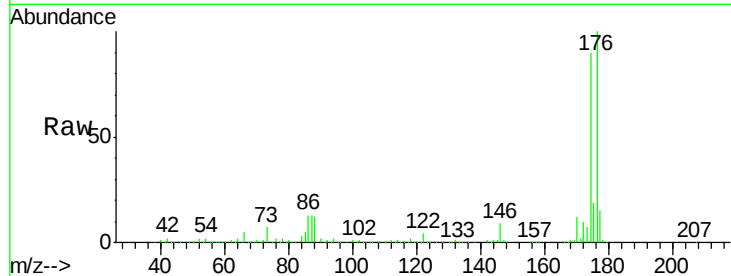
Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BG



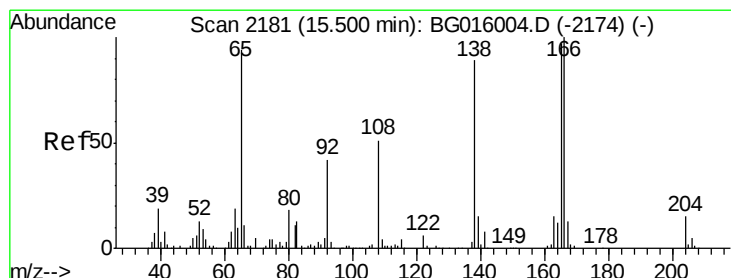
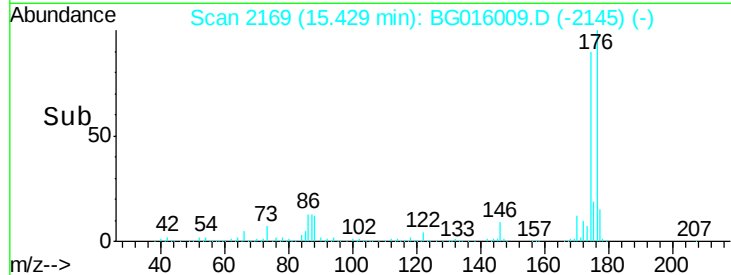
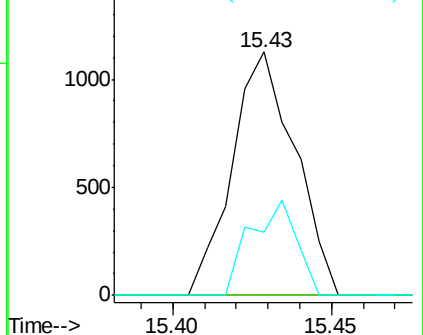


#56
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.43 min Scan# 2169
 Delta R.T. -0.06 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

Tgt Ion:166 Resp: 1547
 Ion Ratio Lower Upper
 166 100
 165 0.0 75.4 113.2#
 167 25.8 11.0 16.4#

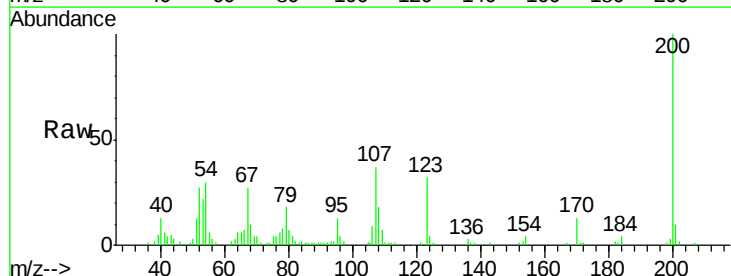


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

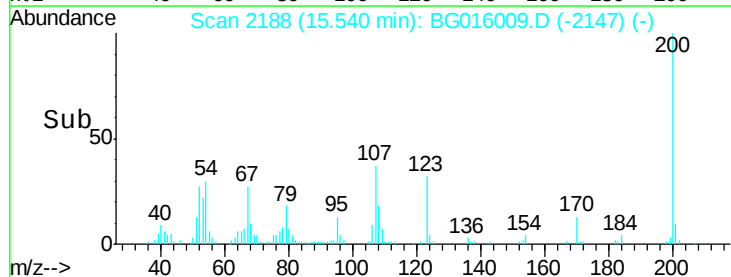
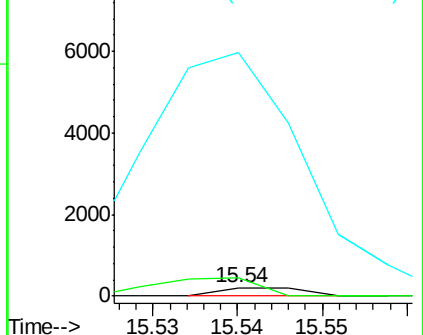


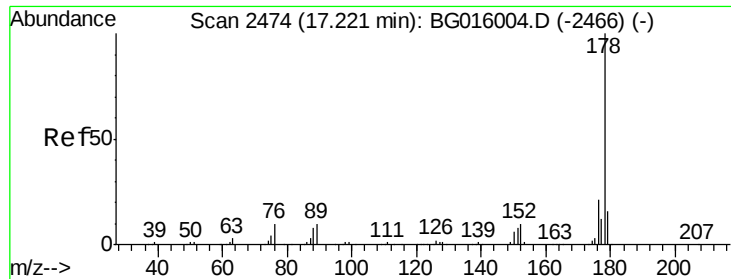
#58
 4-Nitroaniline
 Concen: 0.03 ng/ul
 RT: 15.54 min Scan# 2188
 Delta R.T. 0.04 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

Tgt Ion:138 Resp: 144
 Ion Ratio Lower Upper
 138 100
 92 221.0 38.1 57.1#
 108 2911.2 46.4 69.6#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG0
 Ion 108.00 (107.70 to 108.70): E





#67

Phenanthrene

Concen: 0.01 ng/ul

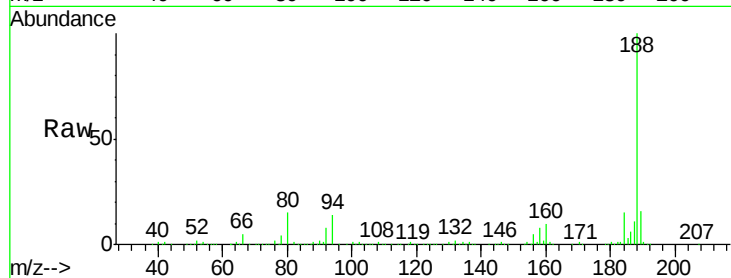
RT: 17.17 min Scan# 2466

Delta R.T. -0.05 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

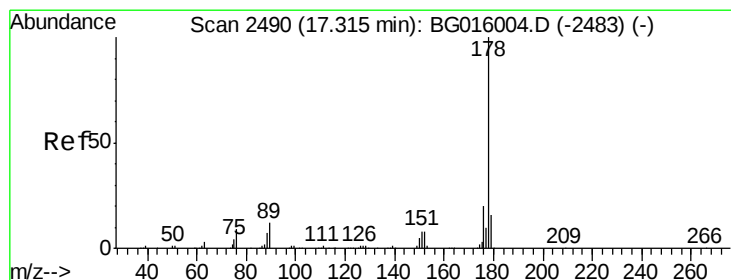
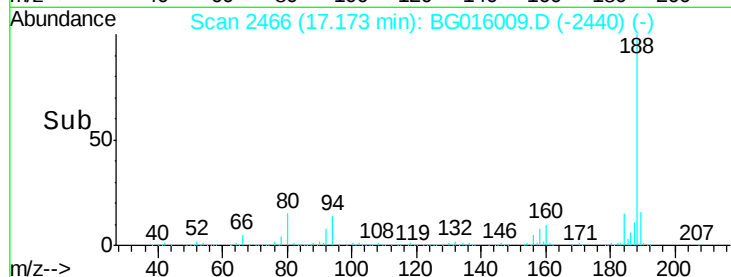
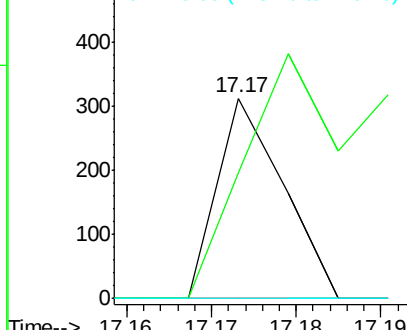
Tgt Ion:	178	Resp:	167
Ion	Ratio	Lower	Upper
178	100		
179	62.8	12.8	19.2#
176	0.0	16.5	24.7#



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



#69

Anthracene

Concen: 0.01 ng/ul

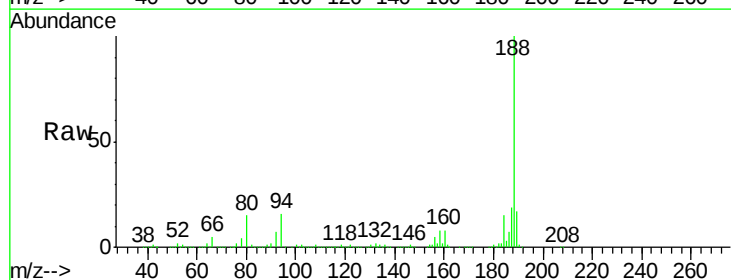
RT: 17.27 min Scan# 2483

Delta R.T. -0.04 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

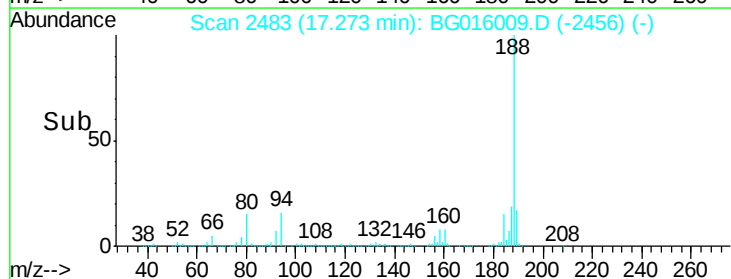
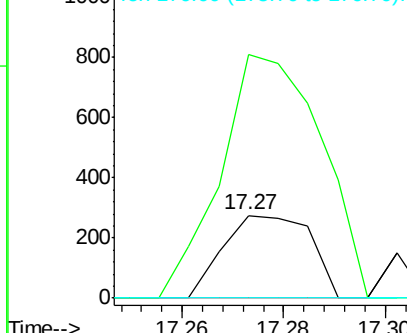
Tgt Ion:	178	Resp:	329
Ion	Ratio	Lower	Upper
178	100		
179	295.3	12.9	19.3#
176	0.0	15.7	23.5#

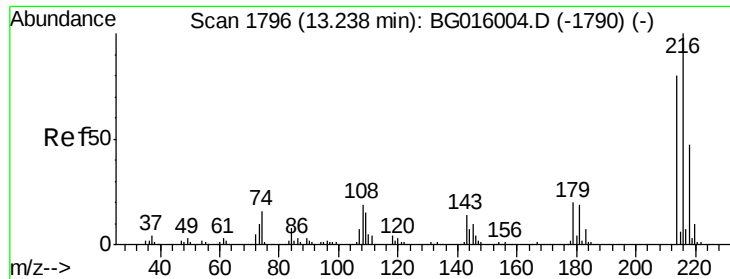


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

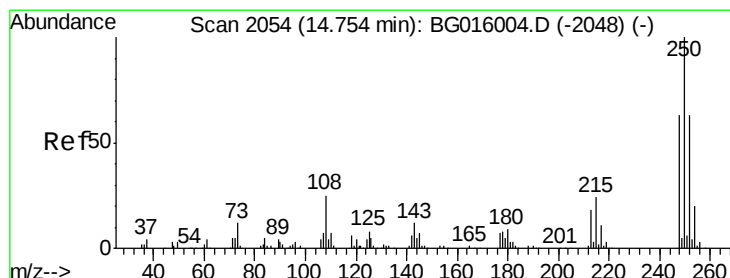
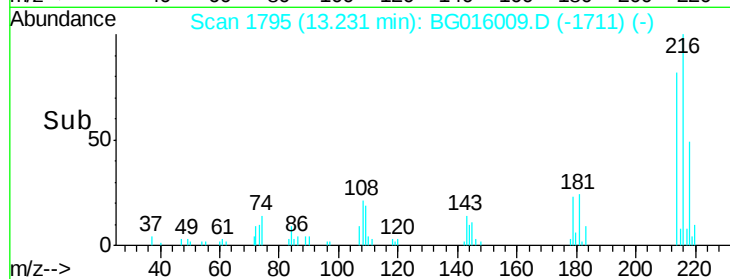
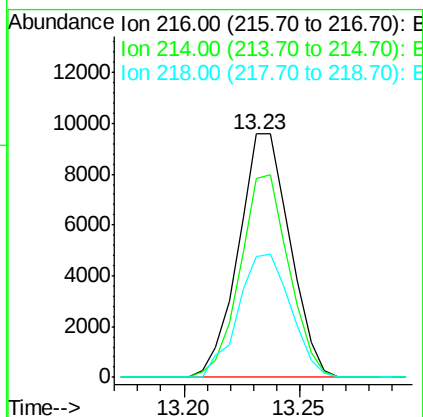
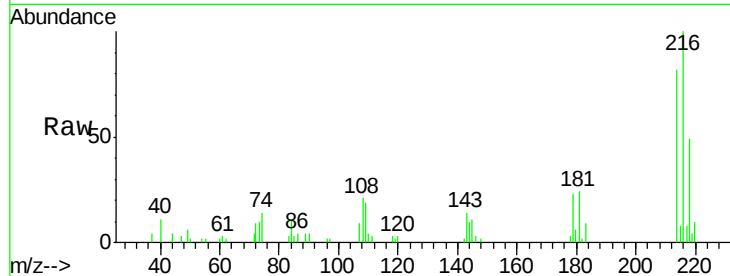
Ion 176.00 (175.70 to 176.70): E





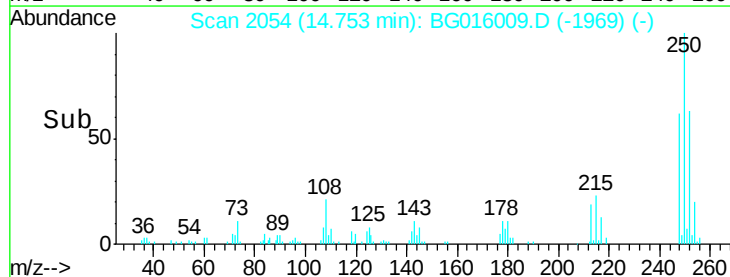
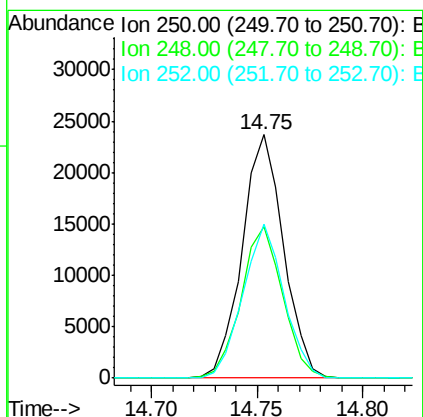
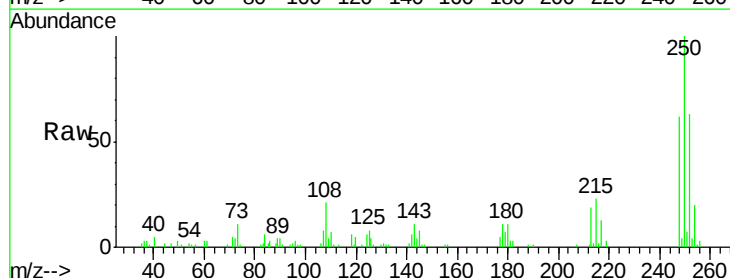
#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 2.10 ng/uL
 RT: 13.23 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

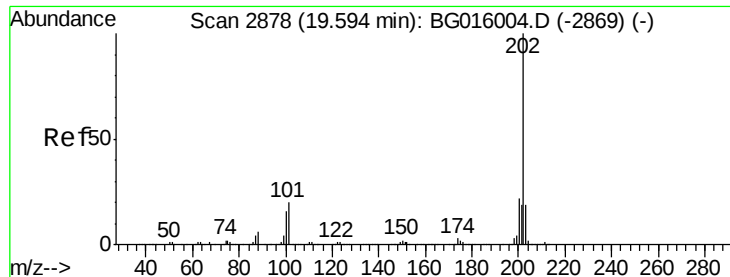
Tgt Ion: 216 Resp: 14885
 Ion Ratio Lower Upper
 216 100
 214 81.7 64.5 96.7
 218 49.5 37.9 56.9



#71
 Pentachlorobenzene
 Concen: 4.65 ng/uL
 RT: 14.75 min Scan# 2054
 Delta R.T. -0.00 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

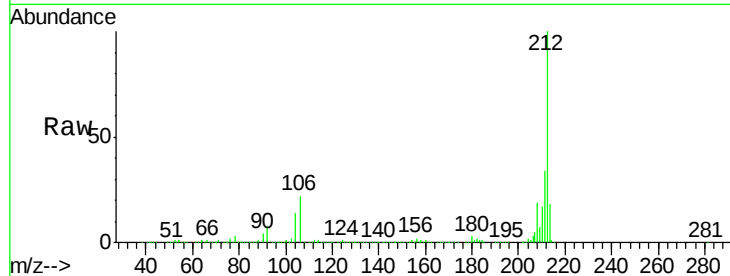
Tgt Ion: 250 Resp: 32259
 Ion Ratio Lower Upper
 250 100
 248 62.1 50.5 75.7
 252 63.5 50.7 76.1



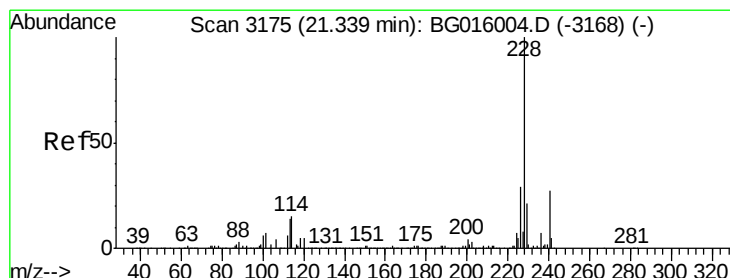
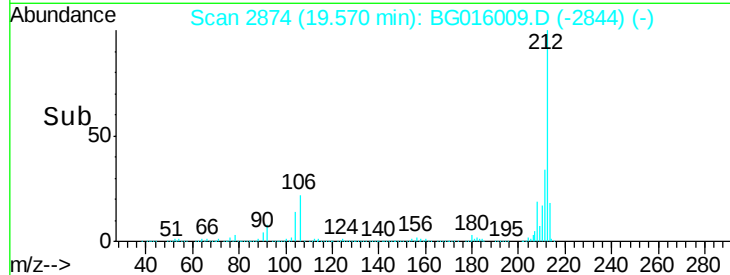
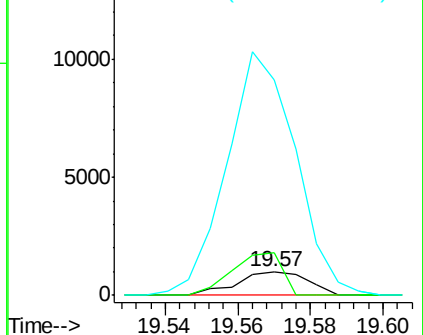


#77
Pyrene
Concen: 0.04 ng/ul
RT: 19.57 min Scan# 2874
Delta R.T. -0.02 min
Lab File: BG016009.D
Acq: 19 Feb 2015 19:23

Tgt Ion: 202 Resp: 1352
Ion Ratio Lower Upper
202 100
101 178.1 15.8 23.8#
100 899.6 12.7 19.1#

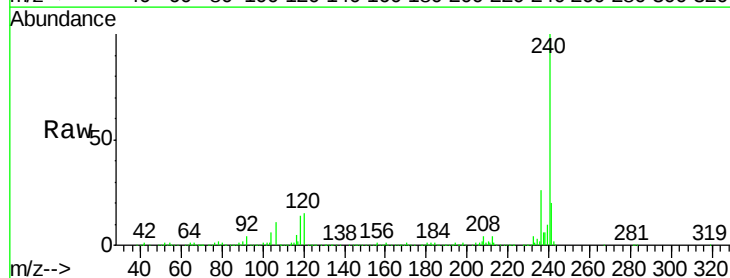


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

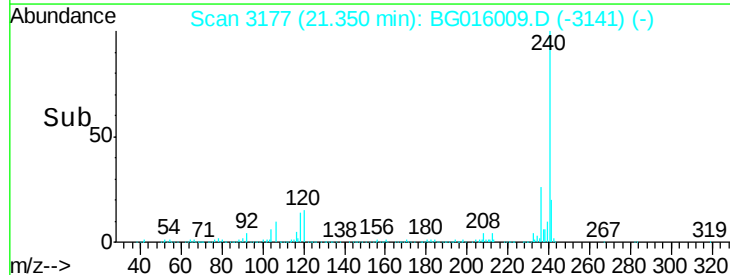
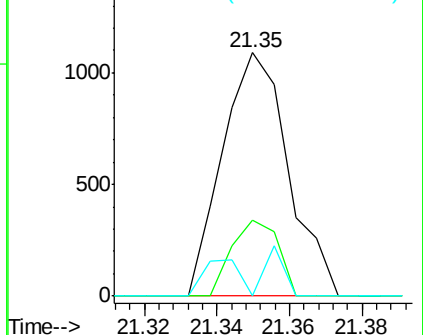


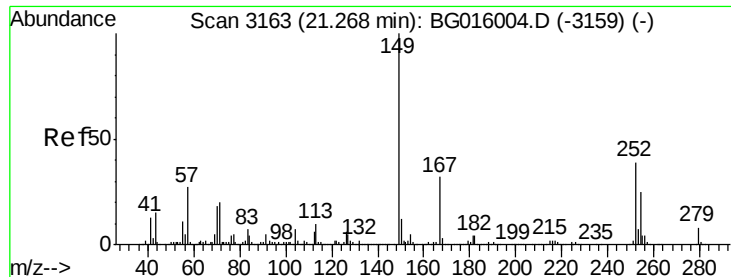
#80
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.35 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BG016009.D
Acq: 19 Feb 2015 19:23

Tgt Ion: 228 Resp: 1373
Ion Ratio Lower Upper
228 100
229 31.3 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

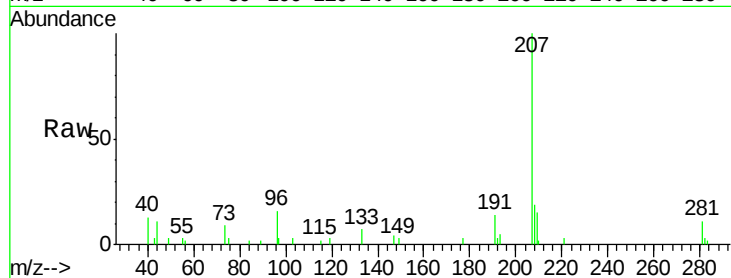
RT: 21.11 min Scan# 3137

Delta R.T. -0.15 min

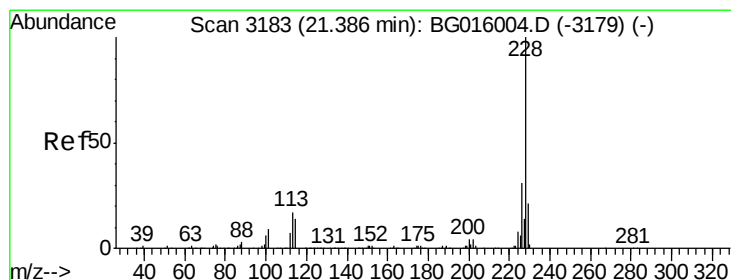
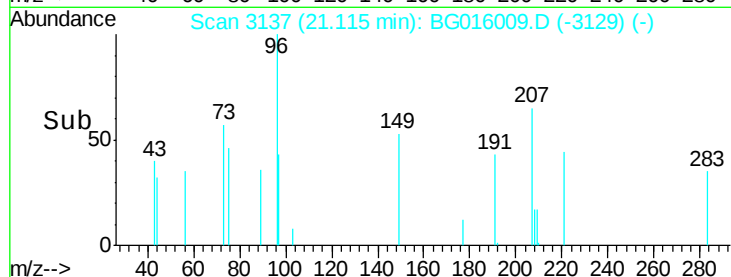
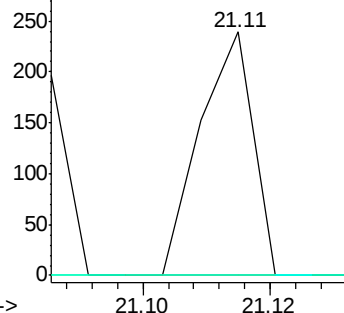
Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

Tgt Ion:	149	Resp:	138
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: 0.04 ng/ul

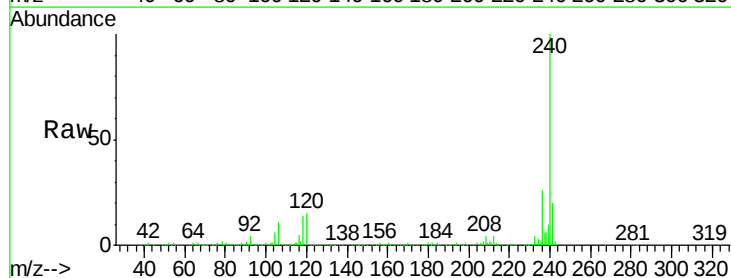
RT: 21.35 min Scan# 3177

Delta R.T. -0.04 min

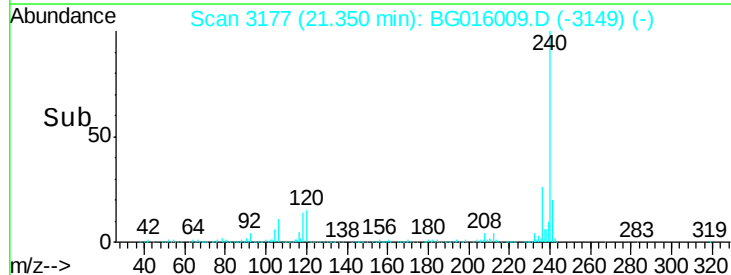
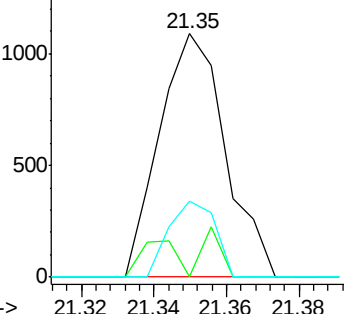
Lab File: BG016009.D

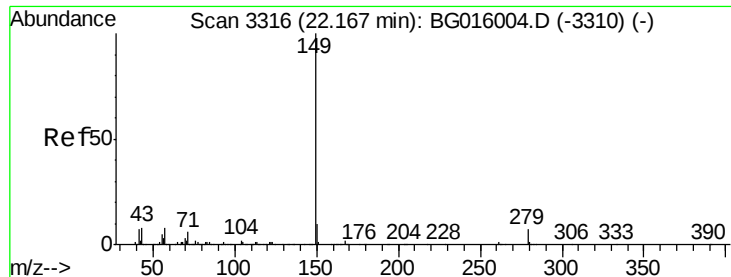
Acq: 19 Feb 2015 19:23

Tgt Ion:	228	Resp:	1373
Ion Ratio	Lower	Upper	
228	100		
226	0.0	24.7	37.1#
229	31.3	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

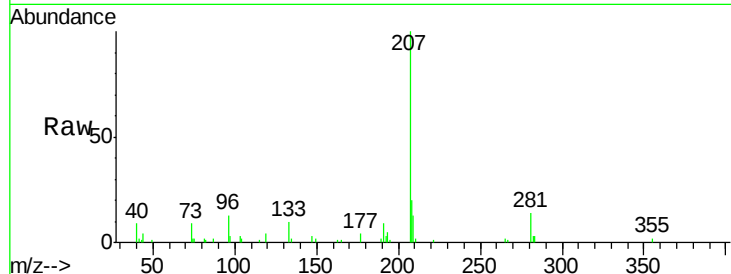




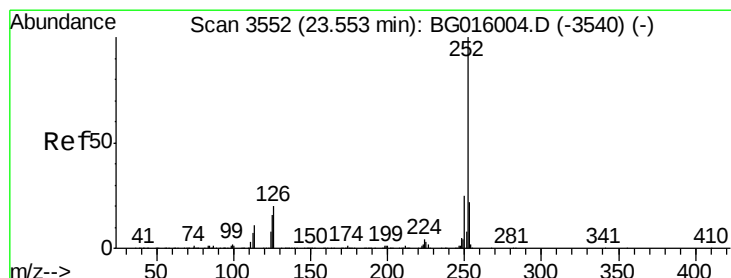
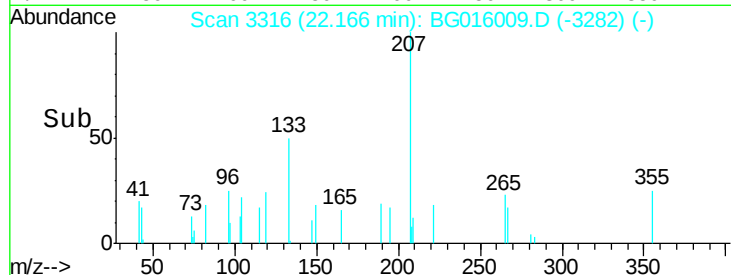
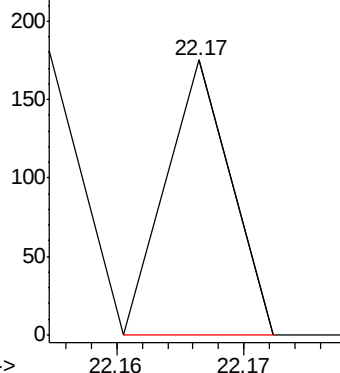
#84

Di-n-octyl phthalate
Concen: 0.00 ng/ul
RT: 22.17 min Scan# 3316
Delta R.T. -0.00 min
Lab File: BG016009.D
Acq: 19 Feb 2015 19:23

Tgt Ion:149 Resp: 62



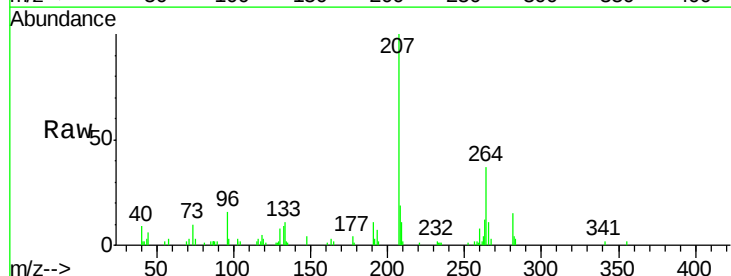
Abundance Ion 149.00 (148.70 to 149.70): E



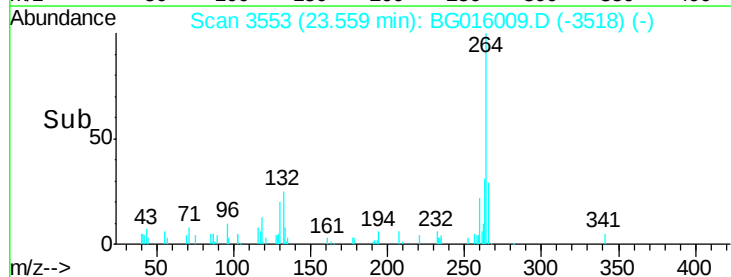
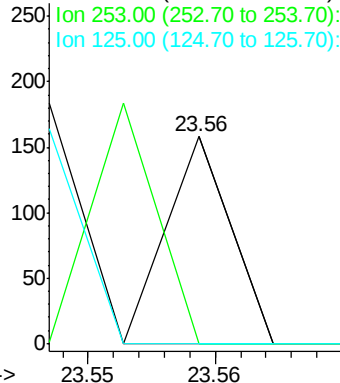
#88

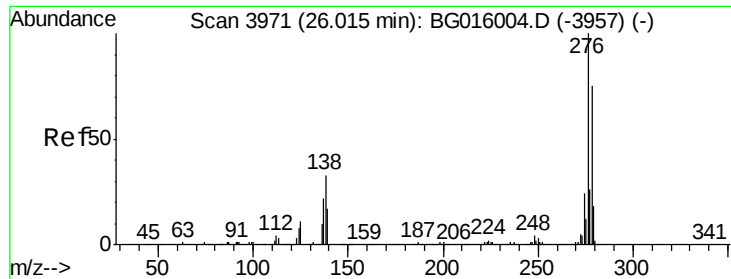
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.56 min Scan# 3553
Delta R.T. 0.01 min
Lab File: BG016009.D
Acq: 19 Feb 2015 19:23

Tgt Ion:252 Resp: 56
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 0.0 13.2 19.8#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

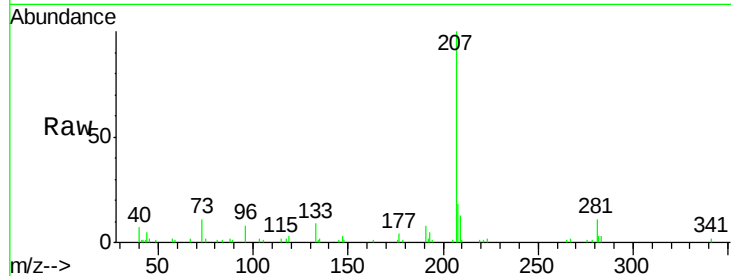
RT: 25.99 min Scan# 3967

Delta R.T. -0.02 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

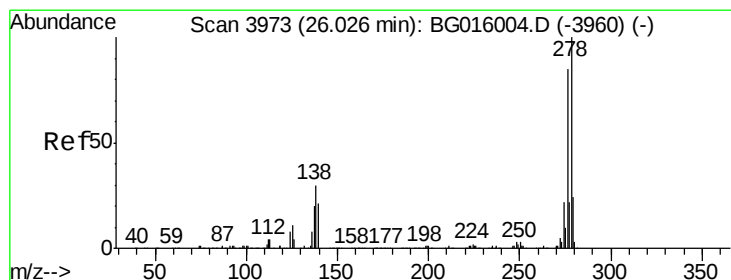
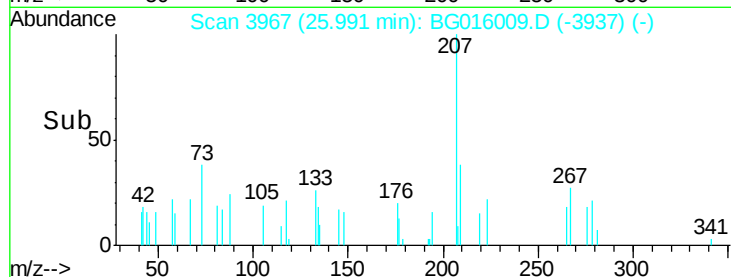
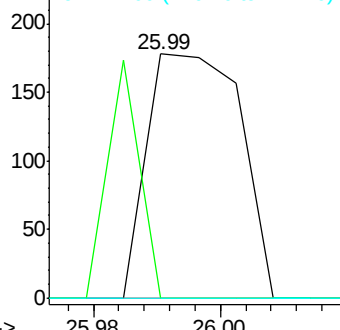
Tgt Ion:	276	Resp:	180
Ion	Ratio	Lower	Upper
276	100		
138	0.0	26.2	39.4#
277	0.0	21.0	31.6#



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: 0.01 ng/ul

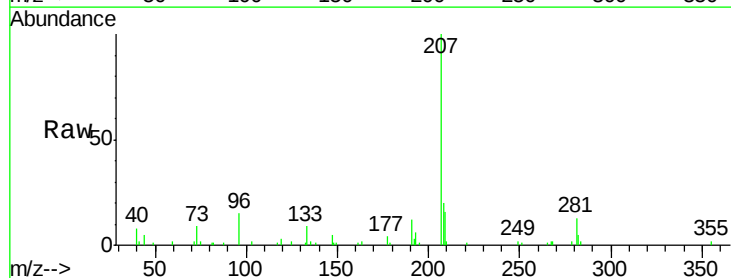
RT: 26.03 min Scan# 3973

Delta R.T. -0.00 min

Lab File: BG016009.D

Acq: 19 Feb 2015 19:23

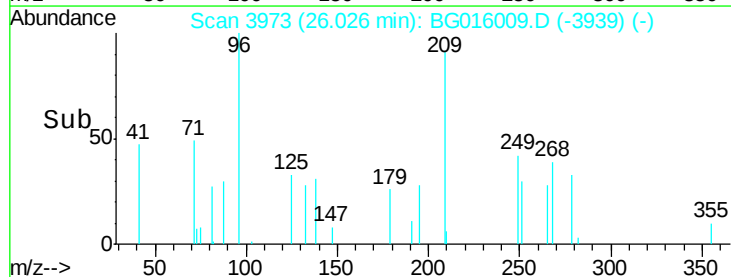
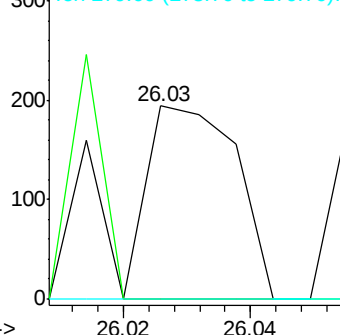
Tgt Ion:	278	Resp:	188
Ion	Ratio	Lower	Upper
278	100		
139	0.0	17.0	25.4#
279	0.0	19.3	28.9#

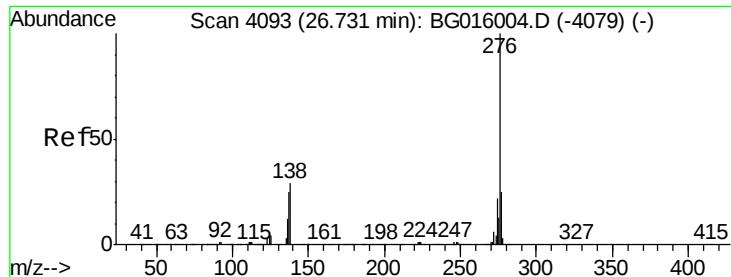


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

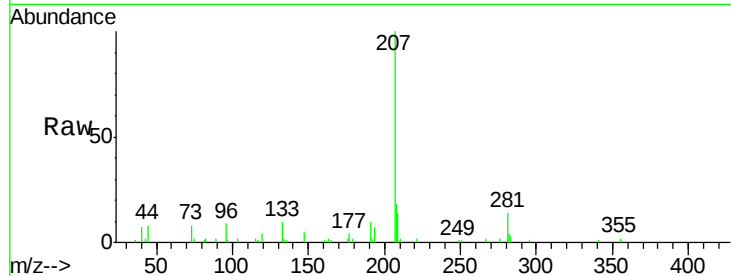
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 0.00 ng/ul
 RT: 26.72 min Scan# 4091
 Delta R.T. -0.01 min
 Lab File: BG016009.D
 Acq: 19 Feb 2015 19:23

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



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

