

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016011.D
 Acq On : 19 Feb 2015 20:32
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-3PPM-SOM0
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 20 06:17:21 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	95888	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	429470	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	269156	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.18	188	568247	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	572666	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	562755	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.98	99	293396	32.16	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	182275	33.83	ng/ul	0.00
7) 2-Chlorophenol-d4	7.35	132	224086	33.20	ng/ul	0.00
11) 4-Methylphenol-d8	8.51	113	222208	32.91	ng/ul	0.00
17) Nitrobenzene-d5	8.97	128	109935	36.22	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	102659	36.66	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.22	165	192861	31.75	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	352876	52.74	ng/ul	0.00
41) Dimethylphthalate-d6	13.85	166	639804	35.55	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	843778	33.13	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	102155	28.23	ng/ul	0.00
55) Fluorene-d10	15.43	176	611543	33.81	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	41655	19.01	ng/ul	0.00
68) Anthracene-d10	17.28	188	913719	33.90	ng/ul	0.00
76) Pyrene-d10	19.56	212	959198	35.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	879203	34.45	ng/ul	0.00

Target Compounds

						Qvalue
2) Benzaldehyde	6.98	77	358	0.06	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.24	93	1143	0.15	ng/ul	90
10) 2,2'-oxybis(1-Chloropropan	8.50	45	1564	0.16	ng/ul#	80
13) N-Nitroso-di-n-propylamine	8.51	70	5363	0.93	ng/ul#	1
18) Nitrobenzene	8.96	77	341	0.05	ng/ul#	36
19) Isophorone	9.68	82	5689	0.37	ng/ul#	64
26) Naphthalene	10.73	128	184	0.01	ng/ul#	1
34) 1,2,4,5-Tetrachlorobenzene	12.62	216	192	0.03	ng/ul#	85
42) Dimethylphthalate	13.85	163	572	0.03	ng/ul#	1
43) 2,6-Dinitrotoluene	13.87	165	569	0.18	ng/ul#	36
50) 4-Nitrophenol	14.75	109	1103	0.53	ng/ul#	1
56) Fluorene	15.43	166	1516	0.07	ng/ul#	9
58) 4-Nitroaniline	15.44	138	60	0.01	ng/ul#	1
67) Phenanthrene	17.17	178	138	0.00	ng/ul#	1
69) Anthracene	17.28	178	245	0.01	ng/ul#	1
70) 1,2,3,4-Tetrachlorobenzene	13.24	216	14382	1.99	ng/uL	95
71) Pentachlorobenzene	14.75	250	28435	4.02	ng/uL	97
73) Di-n-butylphthalate	18.14	149	133	0.00	ng/ul#	78
77) Pyrene	19.56	202	1446	0.04	ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1593	0.05	ng/ul#	56
81) Bis(2-ethylhexyl)phthalate	21.27	149	317	0.02	ng/ul#	50
82) Chrysene	21.35	228	1593	0.05	ng/ul#	55
84) Di-n-octyl phthalate	22.18	149	56	0.00	ng/ul	100
88) Benzo(a)pyrene	23.50	252	1792	0.06	ng/ul	97

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Misc : MDL-WATER-3PPM-SOM0
ALS Vial : 11 Sample Multiplier: 1

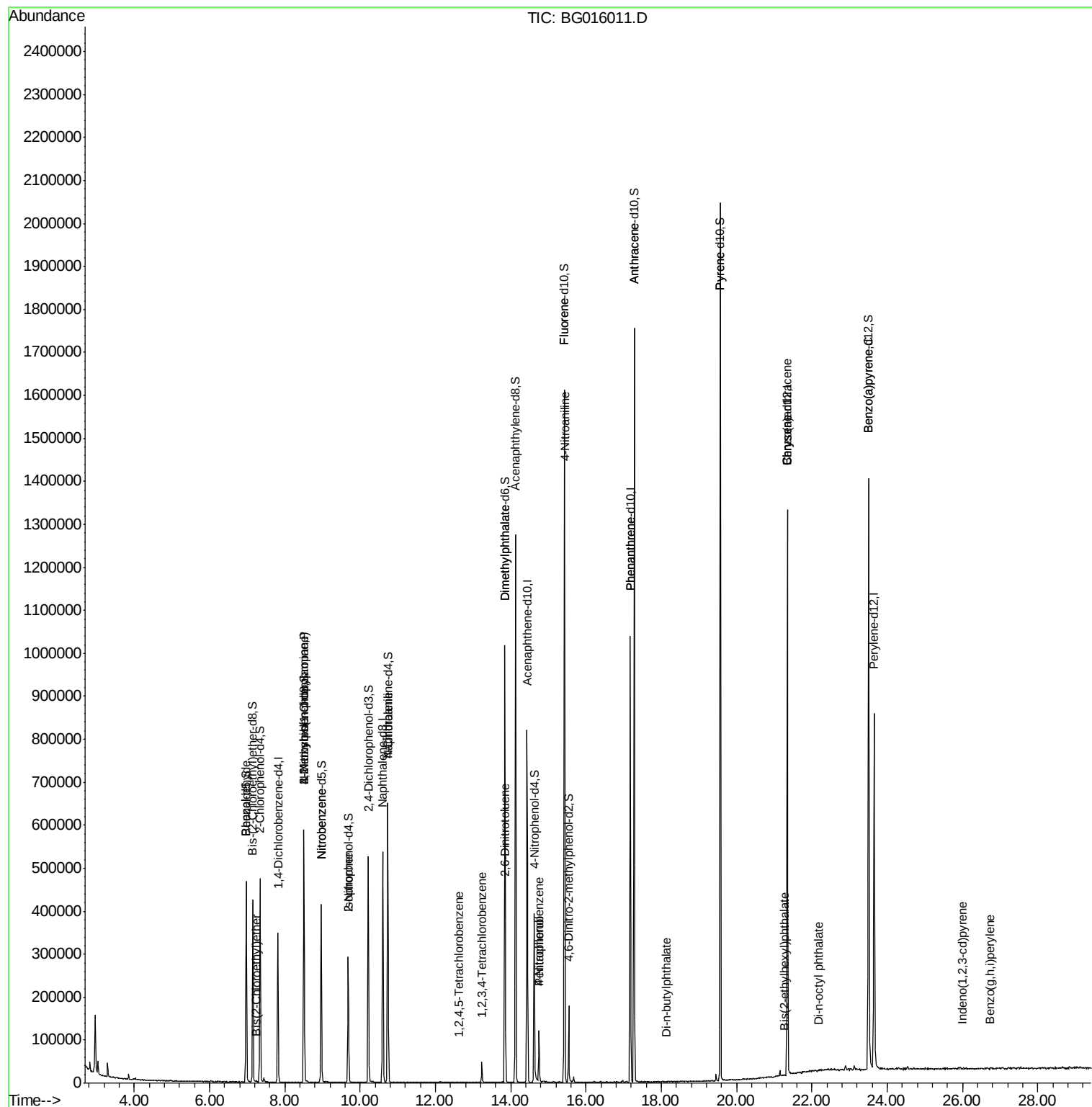
Quant Time: Feb 20 06:17:21 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-MA-BG021915.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 20 05:38:39 2015
Response via : Initial Calibration

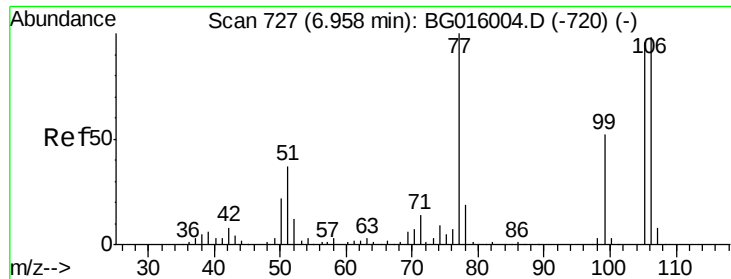
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.00	276	180	0.00	ng/ul#	45
91) Benzo(g,h,i)perylene	26.73	276	84	0.00	ng/ul#	48

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

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#2

Benzaldehyde

Concen: 0.06 ng/ul

RT: 6.98 min Scan# 730

Delta R.T. 0.02 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

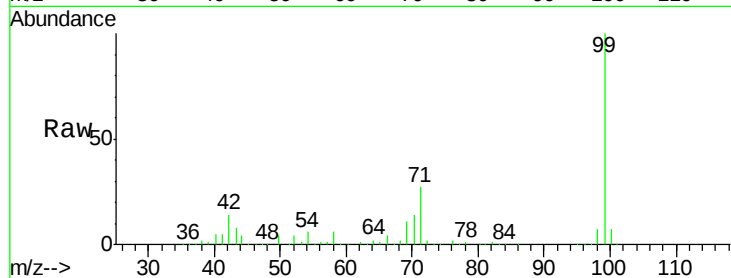
Tgt Ion: 77 Resp: 358

Ion Ratio Lower Upper

77 100

105 0.0 76.6 114.8#

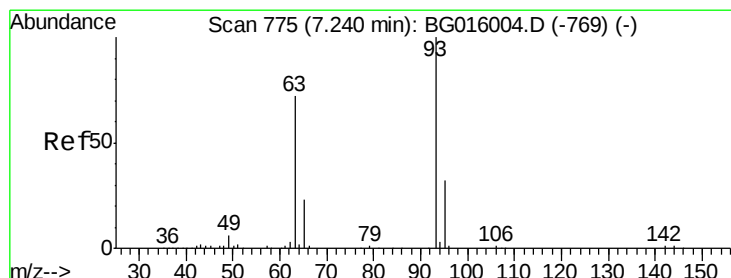
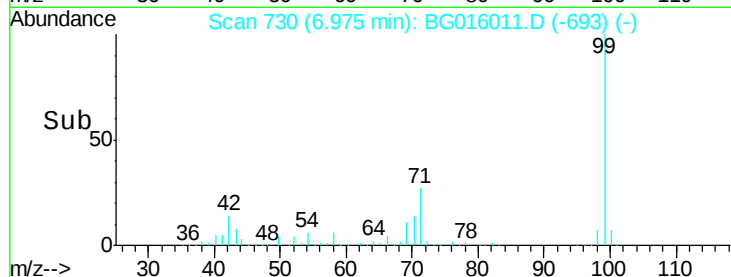
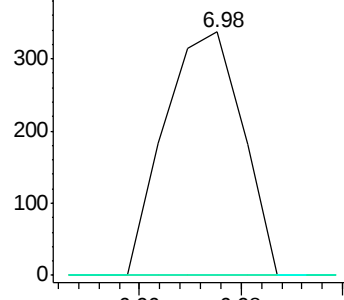
106 0.0 78.2 117.4#



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: 0.15 ng/ul

RT: 7.24 min Scan# 775

Delta R.T. -0.00 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

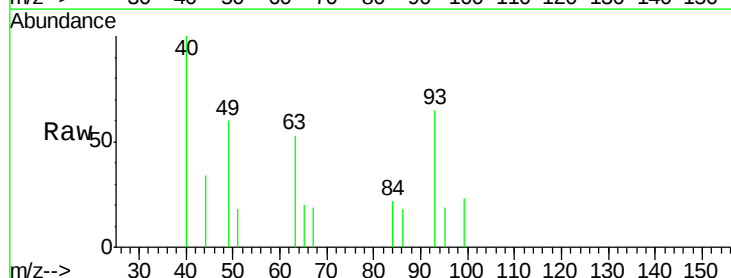
Tgt Ion: 93 Resp: 1143

Ion Ratio Lower Upper

93 100

63 82.3 57.5 86.3

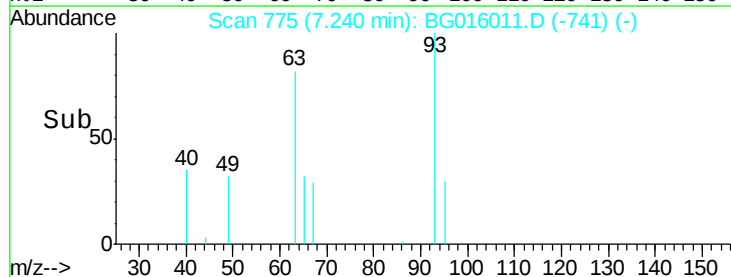
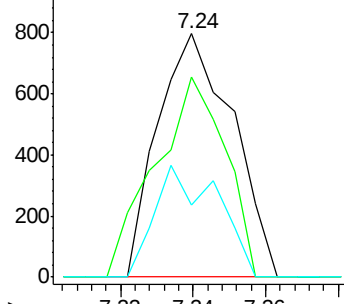
95 29.9 25.8 38.6

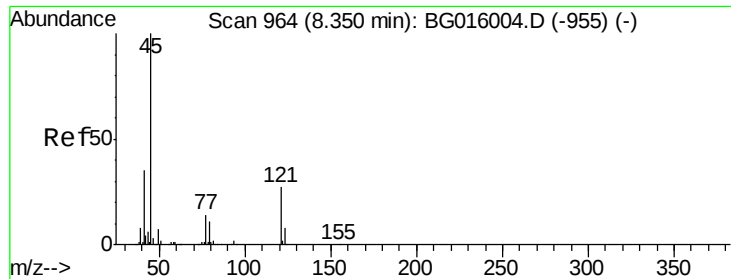


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

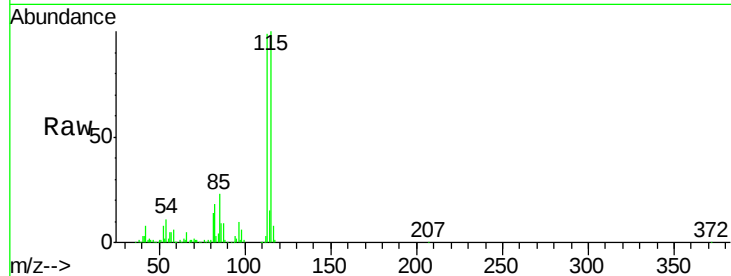
Ion 95.00 (94.70 to 95.70): BGC



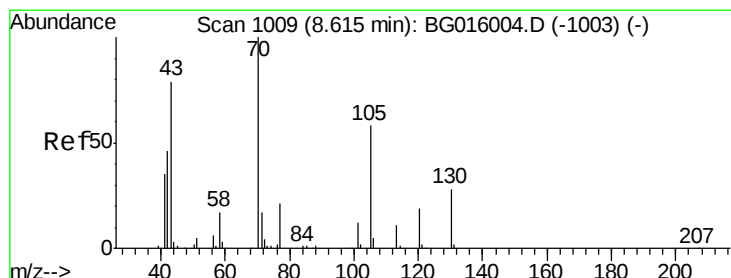
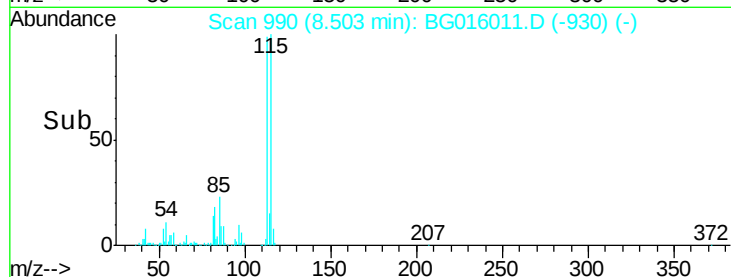
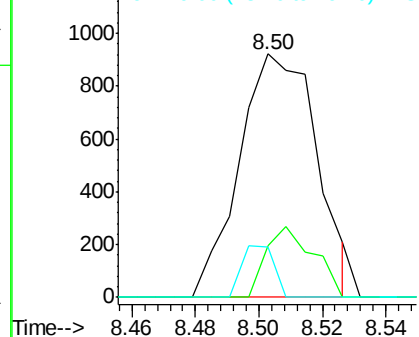


#10
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.16 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. 0.15 min
 Lab File: BG016011.D
 Acq: 19 Feb 2015 20:32

Tgt Ion	Ratio	Lower	Upper
45	100		
77	21.2	11.4	17.2#
79	20.8	9.0	13.6#

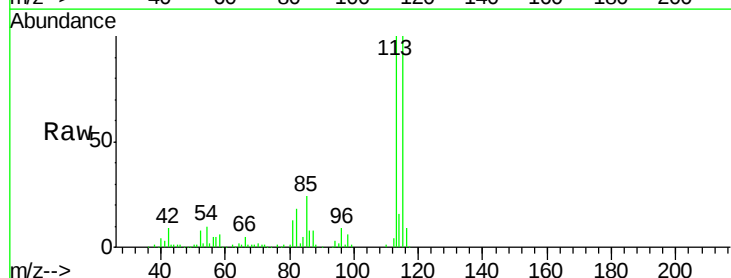


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

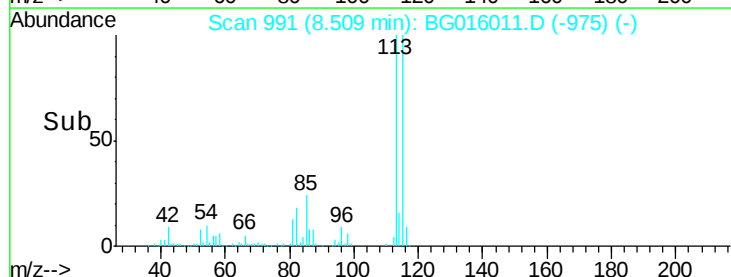
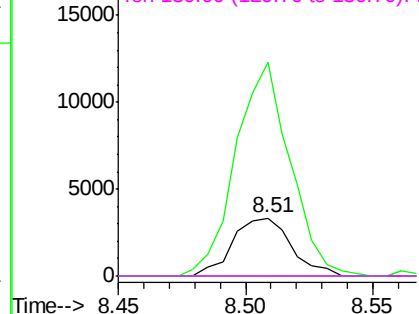


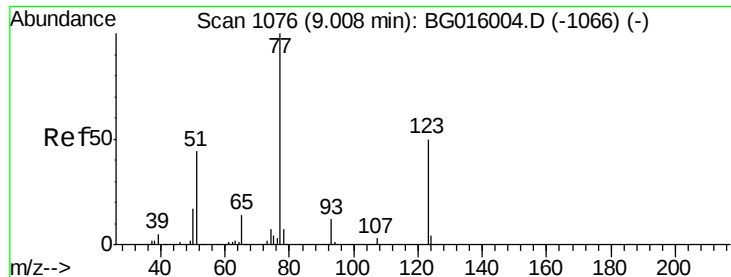
#13
 N-Nitroso-di-n-propylamine
 Concen: 0.93 ng/ul
 RT: 8.51 min Scan# 991
 Delta R.T. -0.11 min
 Lab File: BG016011.D
 Acq: 19 Feb 2015 20:32

Tgt Ion	Ratio	Lower	Upper
70	100		
42	368.9	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: 0.05 ng/ul

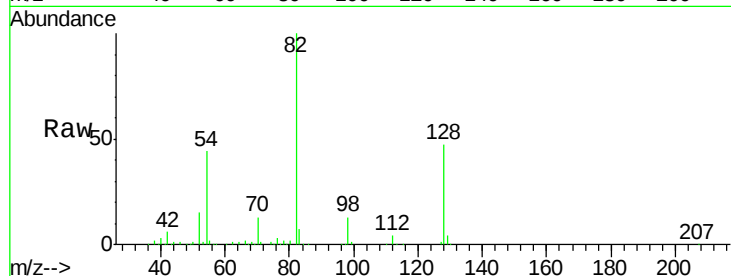
RT: 8.96 min Scan# 1068

Delta R.T. -0.05 min

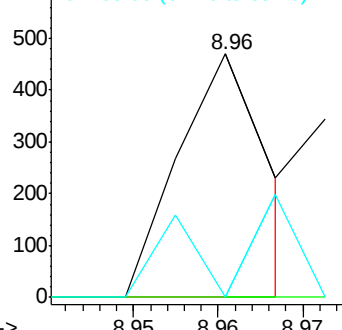
Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

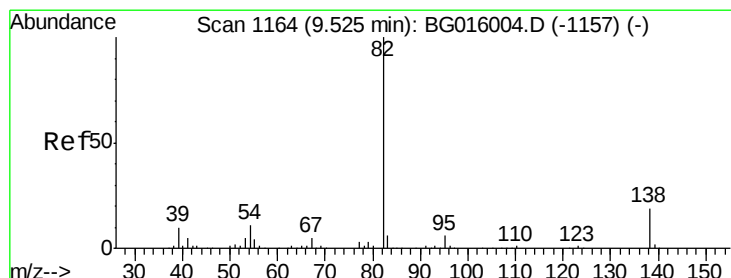
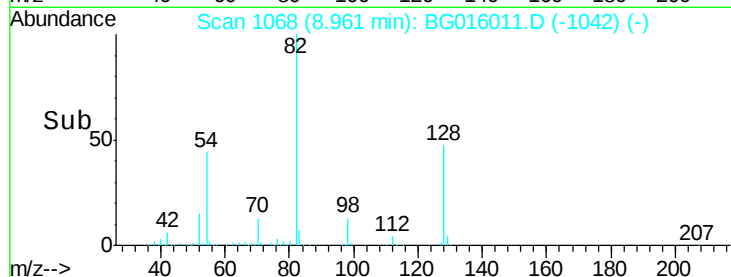
Tgt Ion:	77	Resp:	341
Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.9	59.9#
65	0.0	11.0	16.6#



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: 0.37 ng/ul

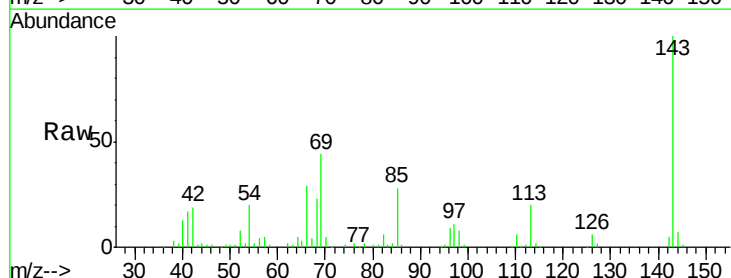
RT: 9.68 min Scan# 1191

Delta R.T. 0.16 min

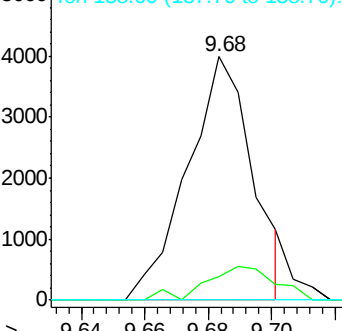
Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

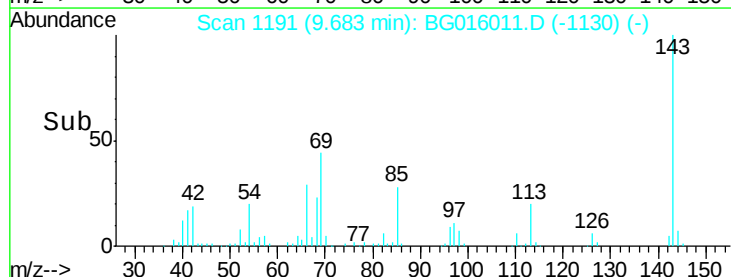
Tgt Ion:	82	Resp:	5689
Ion	Ratio	Lower	Upper
82	100		
95	9.8	4.6	6.8#
138	0.0	15.4	23.2#

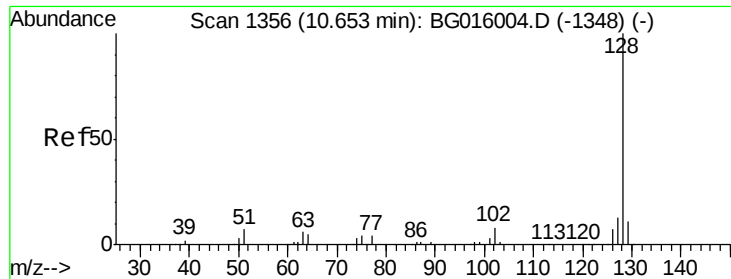


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



Time-->





#26

Naphthalene

Concen: 0.01 ng/ul

RT: 10.73 min Scan# 1369

Delta R.T. 0.08 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

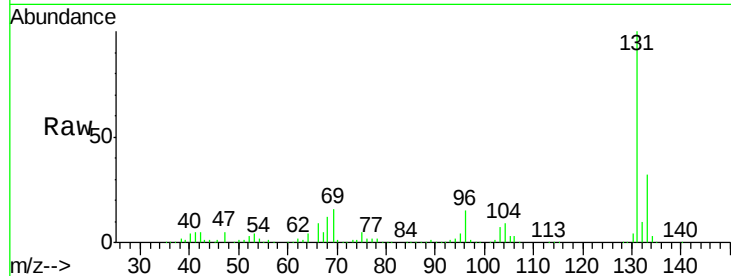
Tgt Ion:128 Resp: 184

Ion Ratio Lower Upper

128 100

129 347.1 8.7 13.1#

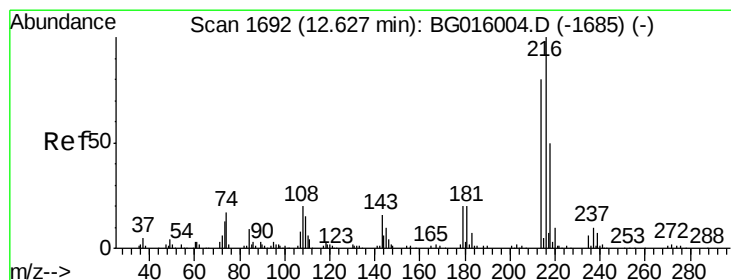
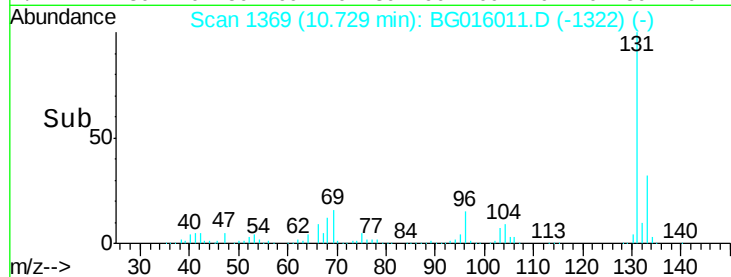
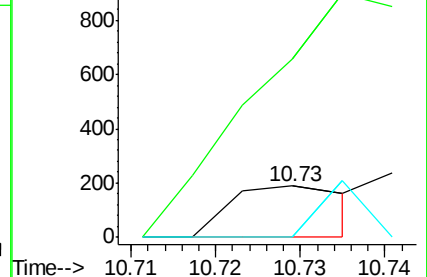
127 0.0 10.4 15.6#



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: 12.62 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

Tgt Ion:216 Resp: 192

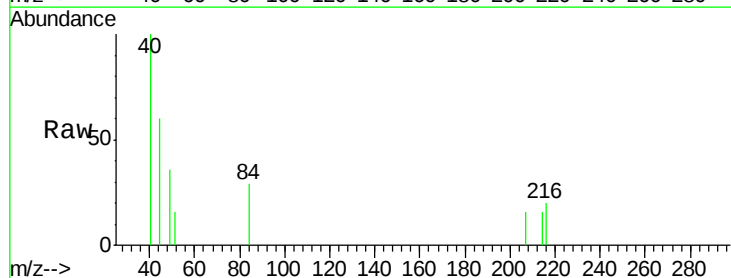
Ion Ratio Lower Upper

216 100

214 79.6 64.3 96.5

179 0.0 15.7 23.5#

108 0.0 16.1 24.1#

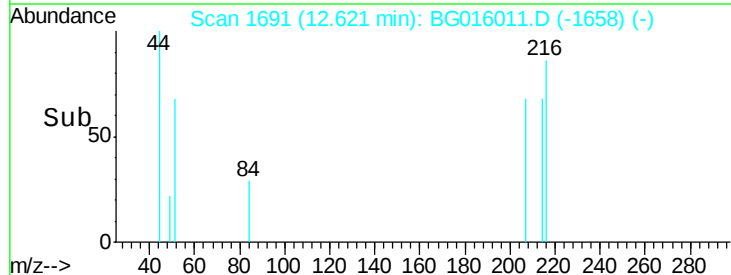
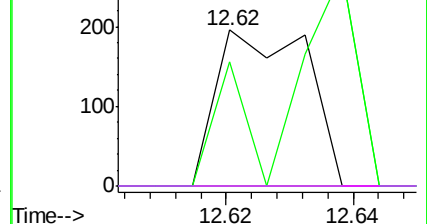


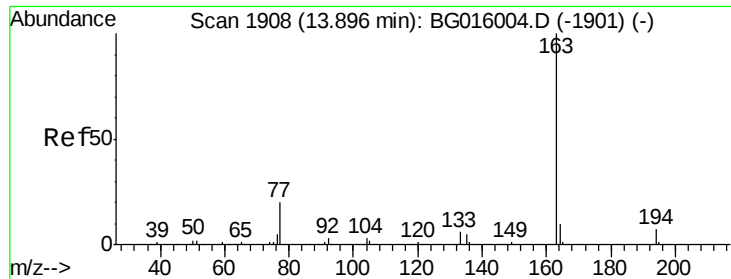
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

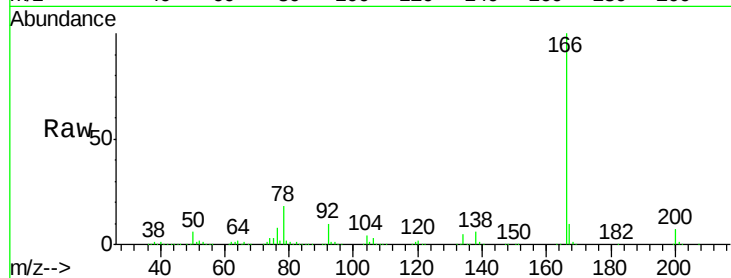
Ion 108.00 (107.70 to 108.70): E



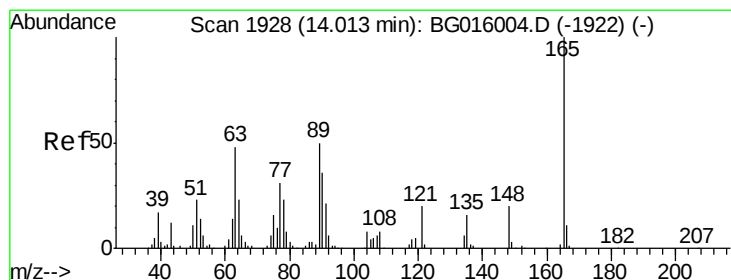
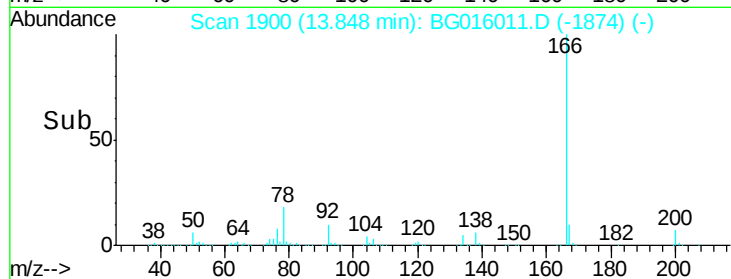
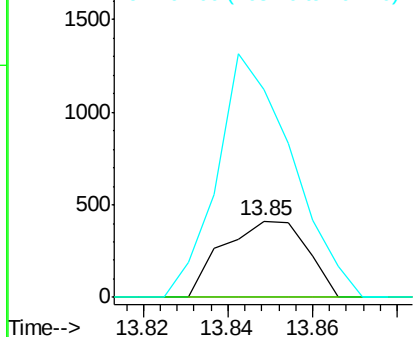


#42
Dimethylphthalate
Concen: 0.03 ng/ul
RT: 13.85 min Scan# 1900
Delta R.T. -0.05 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion:163 Resp: 572
Ion Ratio Lower Upper
163 100
194 0.0 5.3 7.9#
164 273.2 8.5 12.7#

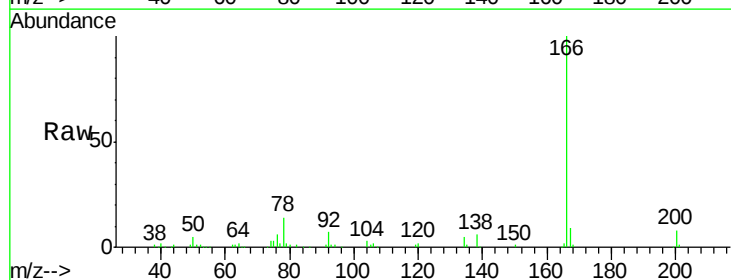


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

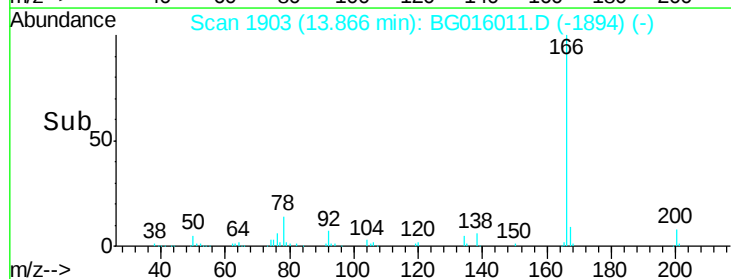
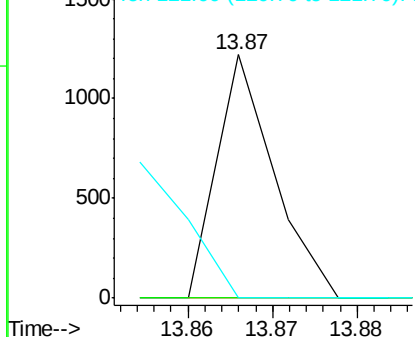


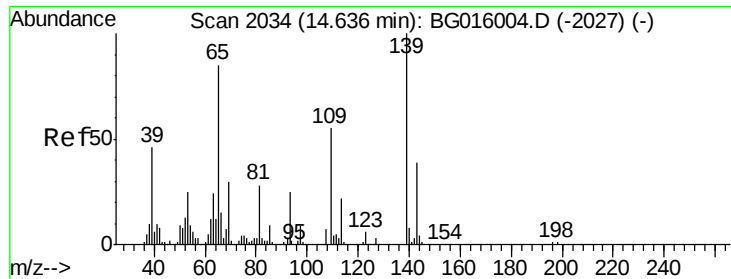
#43
2,6-Dinitrotoluene
Concen: 0.18 ng/ul
RT: 13.87 min Scan# 1903
Delta R.T. -0.15 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion:165 Resp: 569
Ion Ratio Lower Upper
165 100
89 0.0 39.8 59.8#
121 0.0 15.8 23.6#



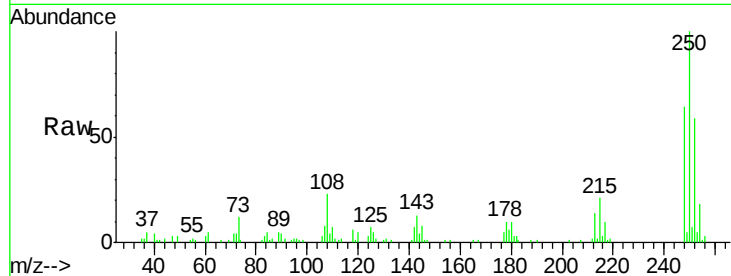
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BG
Ion 121.00 (120.70 to 121.70): E



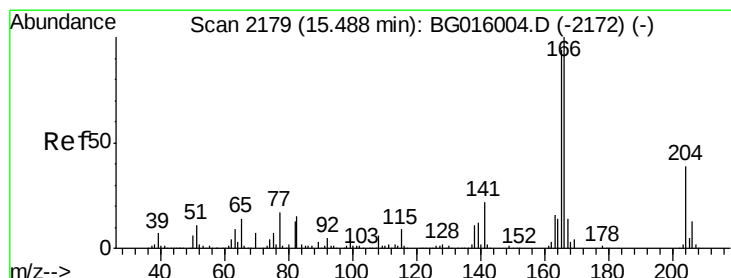
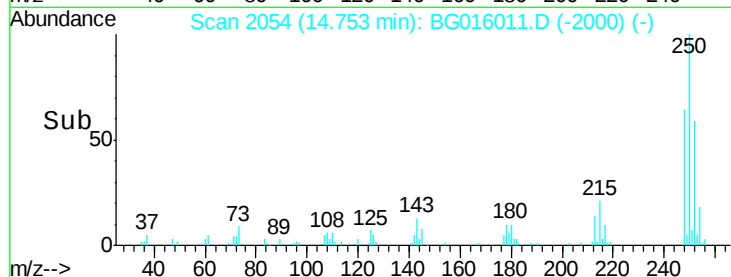
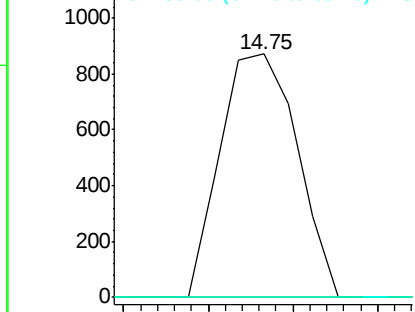


#50
4-Nitrophenol
Concen: 0.53 ng/ul
RT: 14.75 min Scan# 2054
Delta R.T. 0.12 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

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

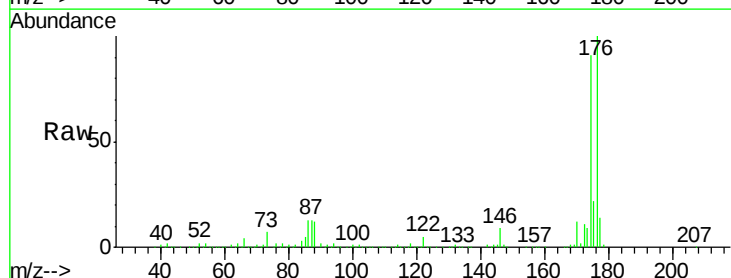


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): B

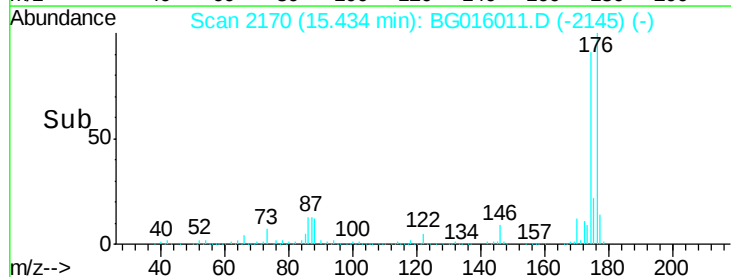
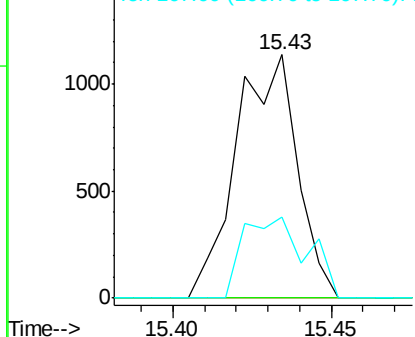


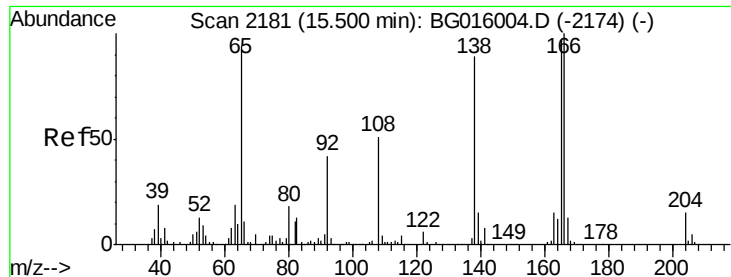
#56
Fluorene
Concen: 0.07 ng/ul
RT: 15.43 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.4	113.2#
167	33.2	11.0	16.4#



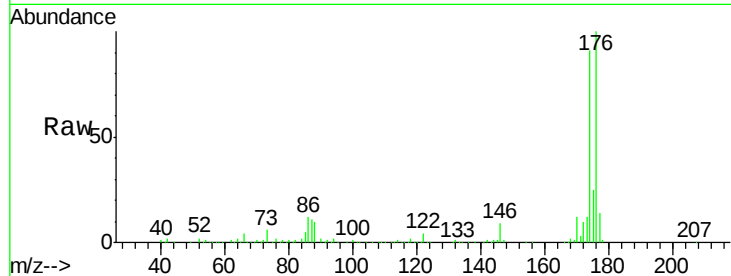
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



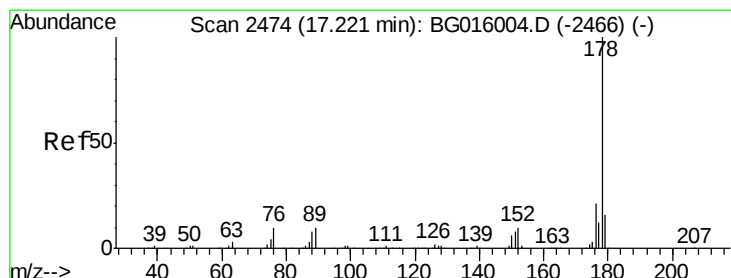
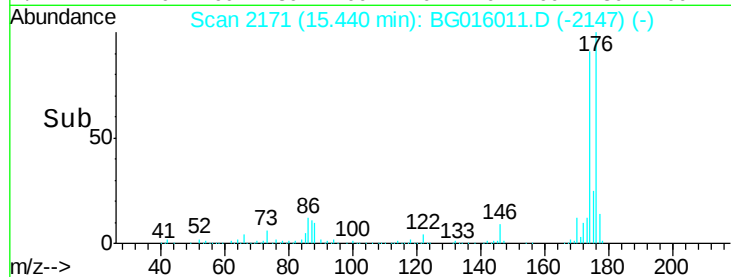
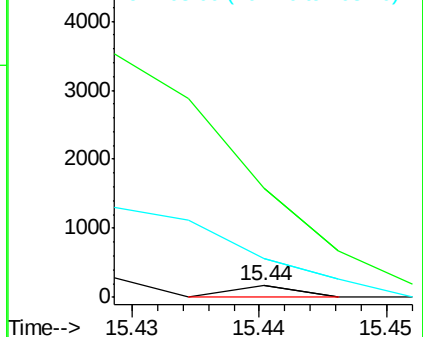


#58
4-Nitroaniline
Concen: 0.01 ng/ul
RT: 15.44 min Scan# 2171
Delta R.T. -0.06 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
92 924.0 38.1 57.1#
108 328.7 46.4 69.6#

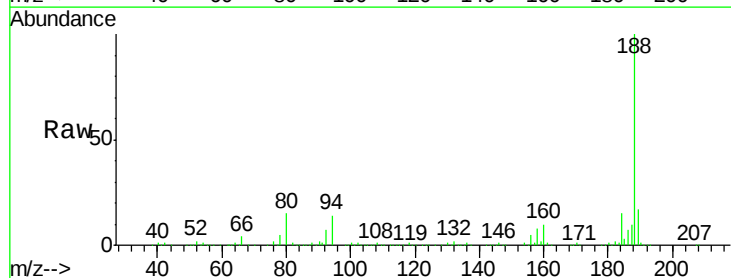


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

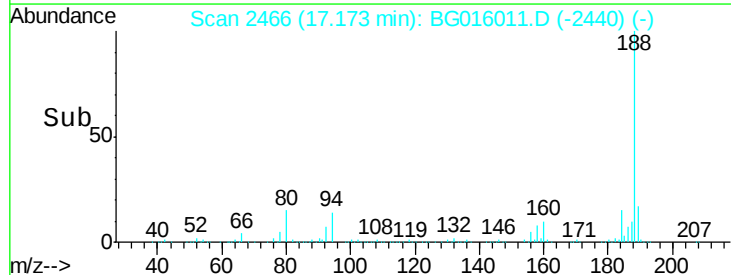
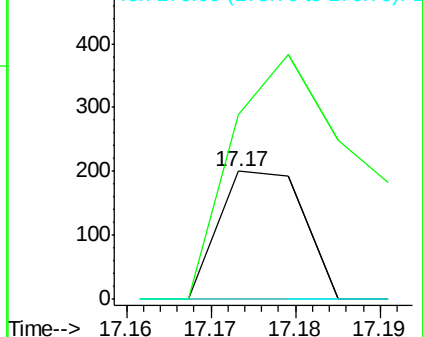


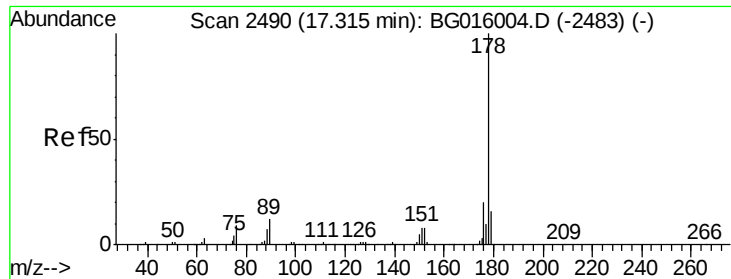
#67
Phenanthrene
Concen: 0.00 ng/ul
RT: 17.17 min Scan# 2466
Delta R.T. -0.05 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion:178 Resp: 138
Ion Ratio Lower Upper
178 100
179 144.5 12.8 19.2#
176 0.0 16.5 24.7#



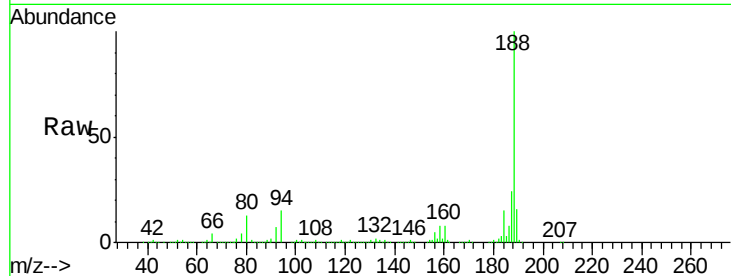
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



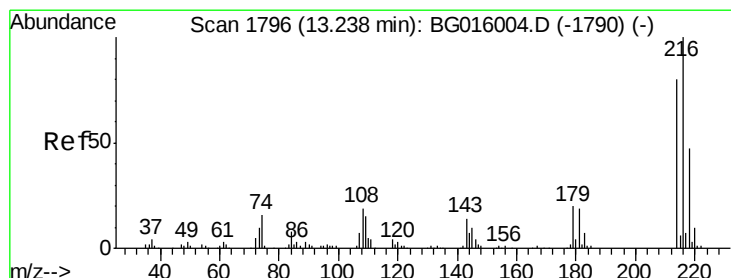
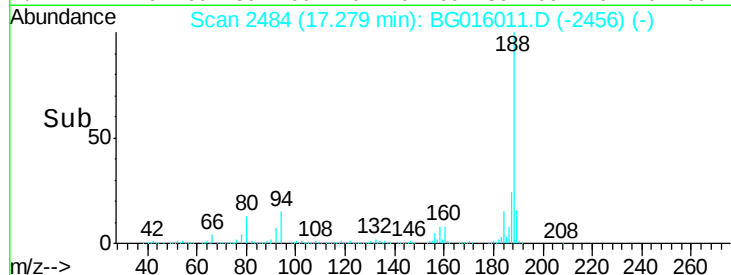
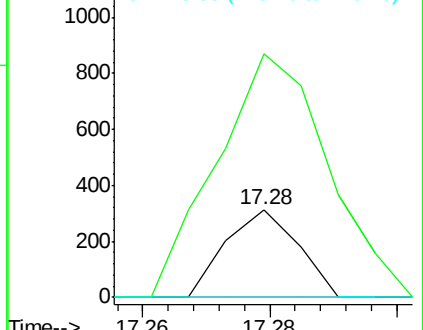


#69
 Anthracene
 Concen: 0.01 ng/uL
 RT: 17.28 min Scan# 2484
 Delta R.T. -0.04 min
 Lab File: BG016011.D
 Acq: 19 Feb 2015 20:32

Tgt Ion:178 Resp: 245
 Ion Ratio Lower Upper
 178 100
 179 277.6 12.9 19.3#
 176 0.0 15.7 23.5#

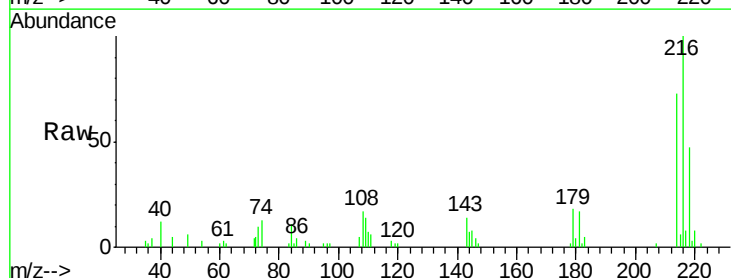


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

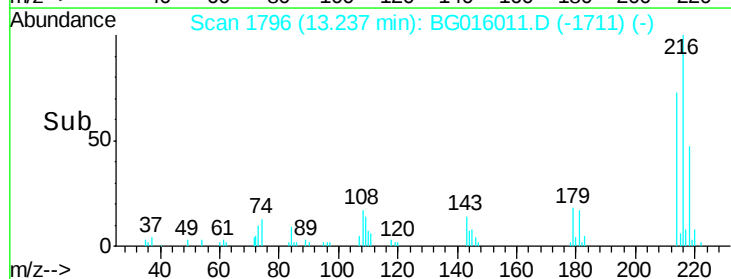
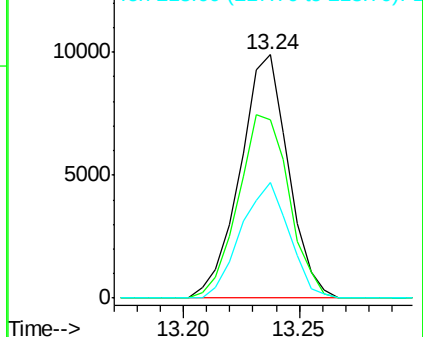


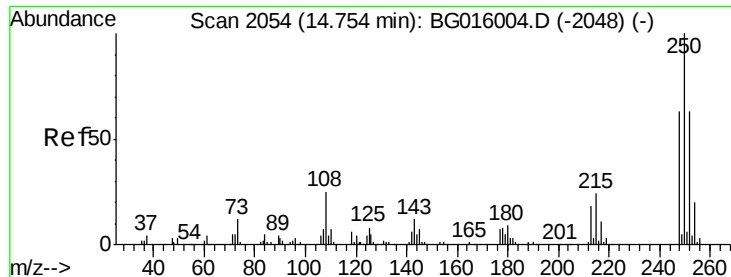
#70
 1,2,3,4-Tetrachlorobenzene
 Concen: 1.99 ng/uL
 RT: 13.24 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: BG016011.D
 Acq: 19 Feb 2015 20:32

Tgt Ion:216 Resp: 14382
 Ion Ratio Lower Upper
 216 100
 214 73.4 64.5 96.7
 218 47.4 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: 4.02 ng/uL

RT: 14.75 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

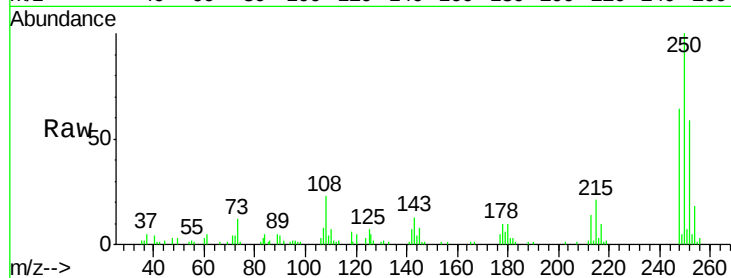
Tgt Ion: 250 Resp: 28435

Ion Ratio Lower Upper

250 100

248 63.5 50.5 75.7

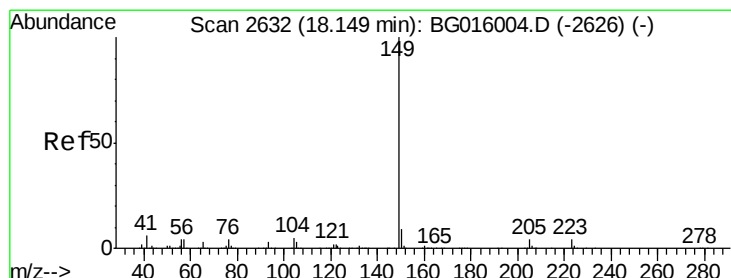
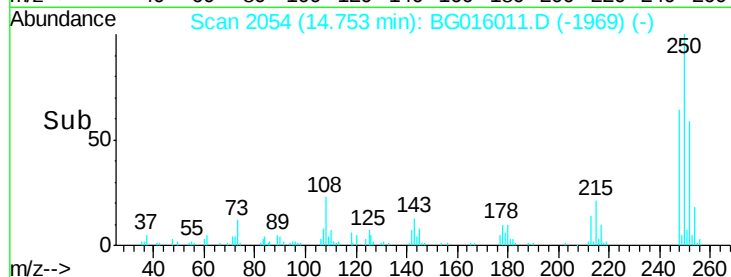
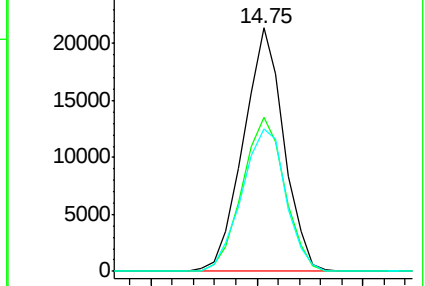
252 58.6 50.7 76.1



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: 0.00 ng/uL

RT: 18.14 min Scan# 2631

Delta R.T. -0.01 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

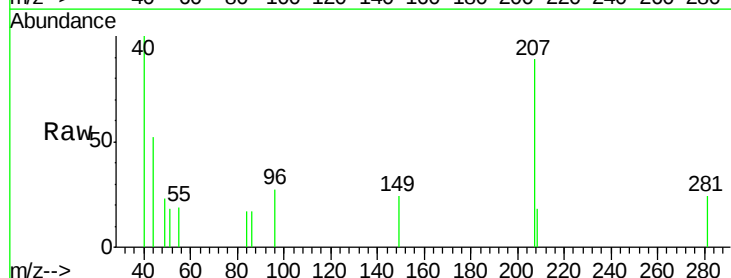
Tgt Ion: 149 Resp: 133

Ion Ratio Lower Upper

149 100

150 0.0 7.6 11.4#

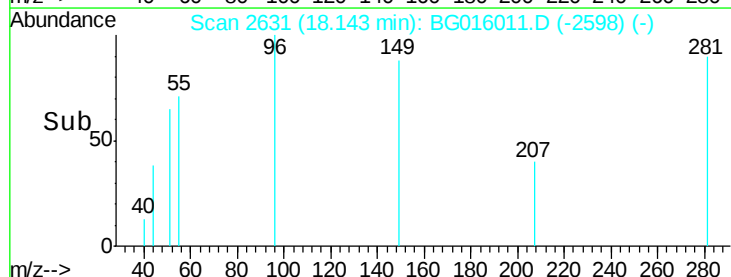
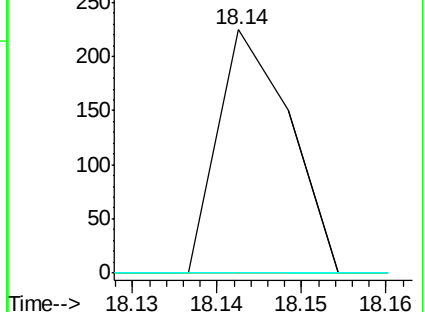
104 0.0 3.7 5.5#

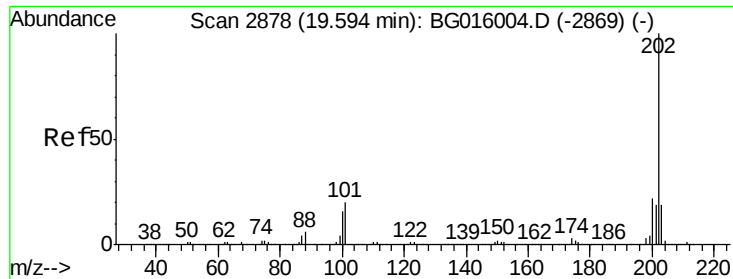


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.56 min Scan# 2873

Delta R.T. -0.03 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

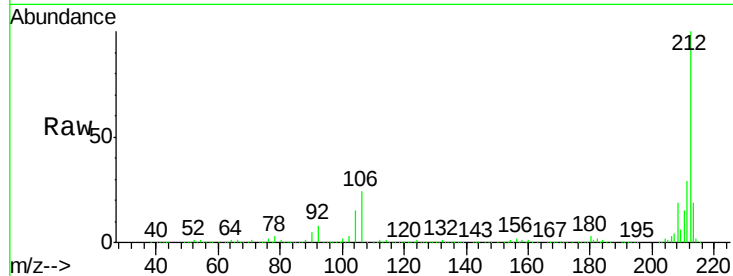
Tgt Ion: 202 Resp: 1446

Ion Ratio Lower Upper

202 100

101 148.9 15.8 23.8#

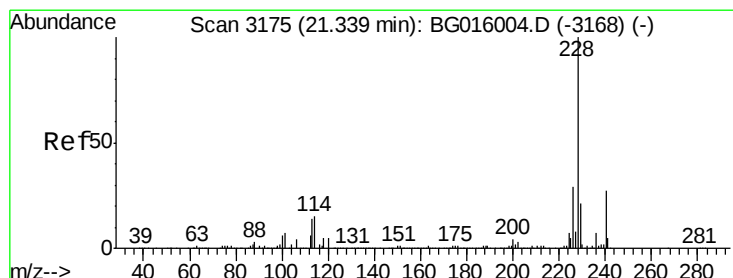
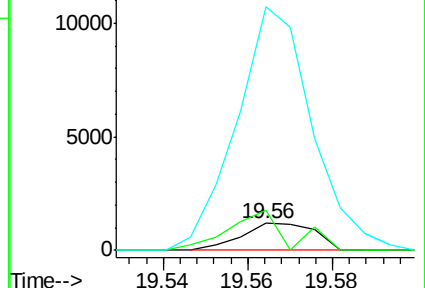
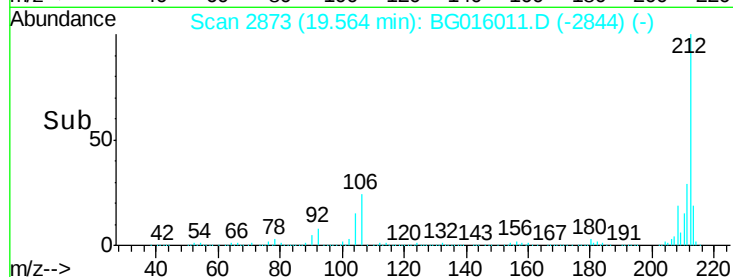
100 907.1 12.7 19.1#



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: 21.35 min Scan# 3177

Delta R.T. 0.01 min

Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

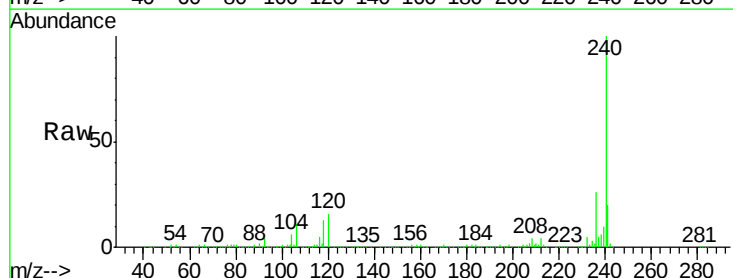
Tgt Ion: 228 Resp: 1593

Ion Ratio Lower Upper

228 100

229 34.4 16.4 24.6#

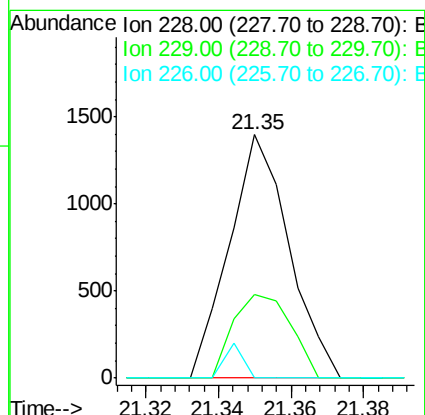
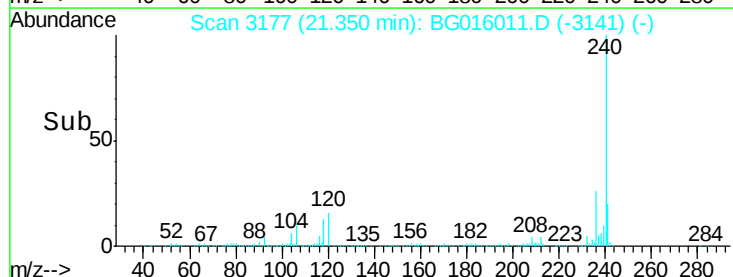
226 0.0 22.8 34.2#

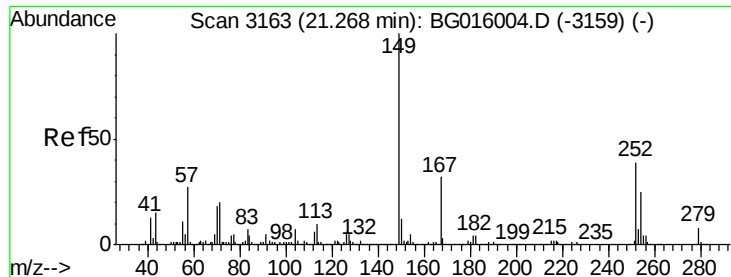


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 0.02 ng/ul

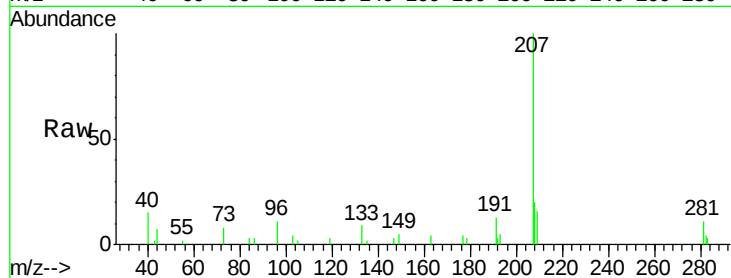
RT: 21.27 min Scan# 3164

Delta R.T. 0.01 min

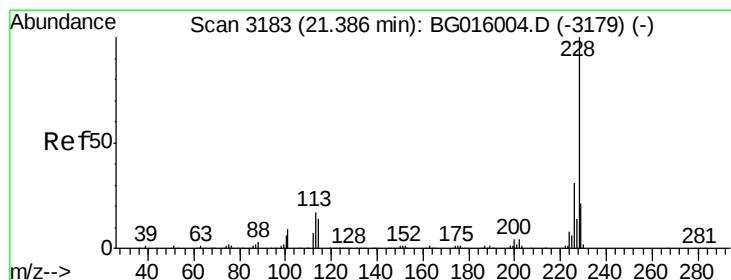
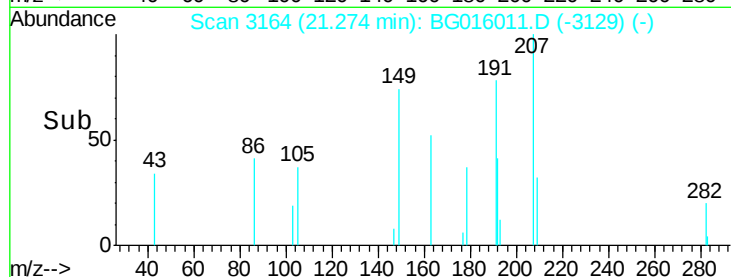
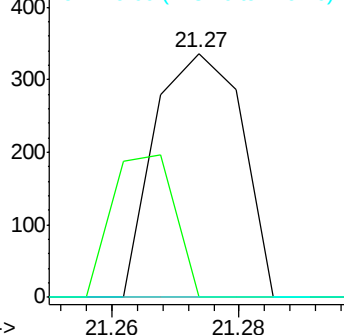
Lab File: BG016011.D

Acq: 19 Feb 2015 20:32

Tgt Ion:	149	Resp:	317
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: 0.05 ng/ul

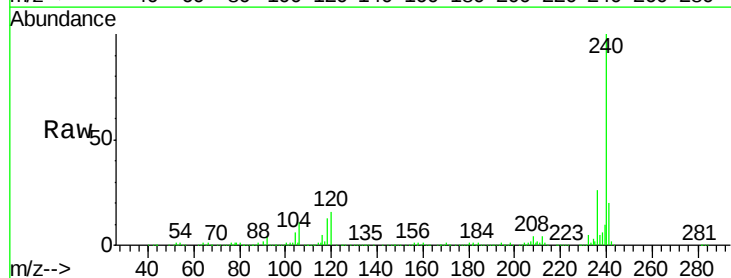
RT: 21.35 min Scan# 3177

Delta R.T. -0.04 min

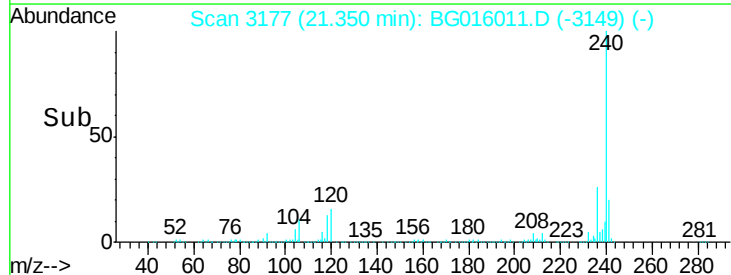
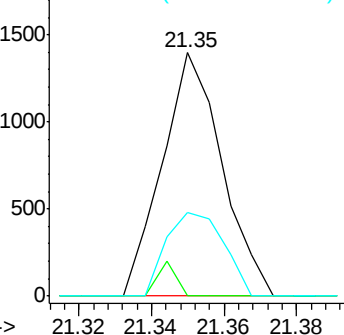
Lab File: BG016011.D

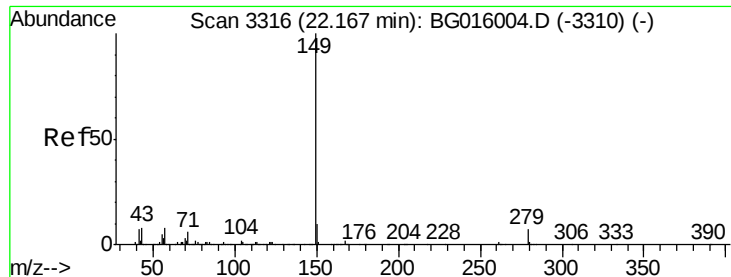
Acq: 19 Feb 2015 20:32

Tgt Ion:	228	Resp:	1593
Ion Ratio	Lower	Upper	
228	100		
226	0.0	24.7	37.1#
229	34.4	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

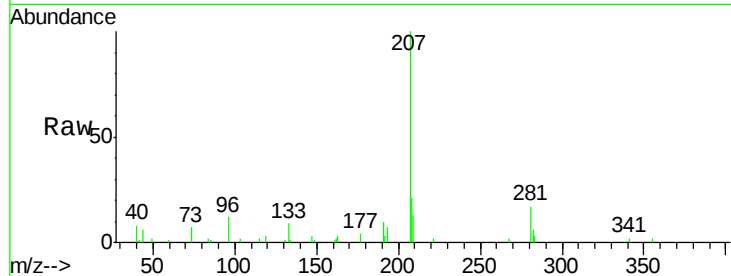




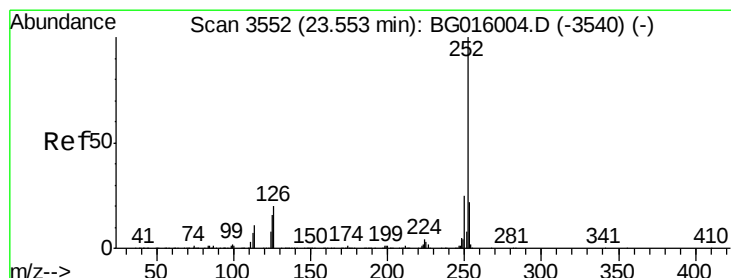
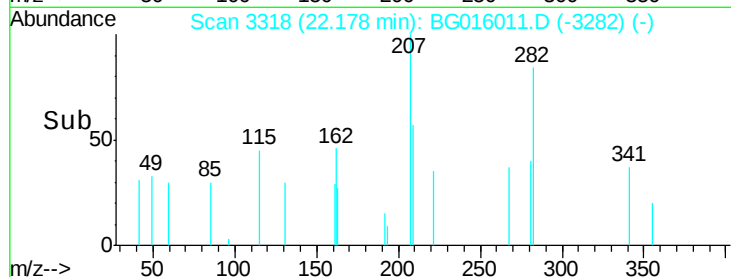
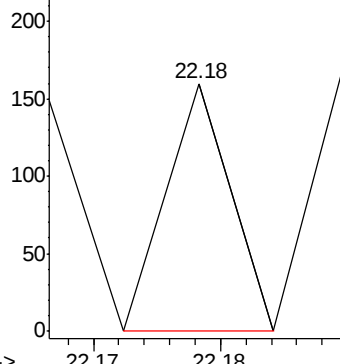
#84

Di-n-octyl phthalate
Concen: 0.00 ng/u1
RT: 22.18 min Scan# 3318
Delta R.T. 0.01 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

Tgt Ion:149 Resp: 56



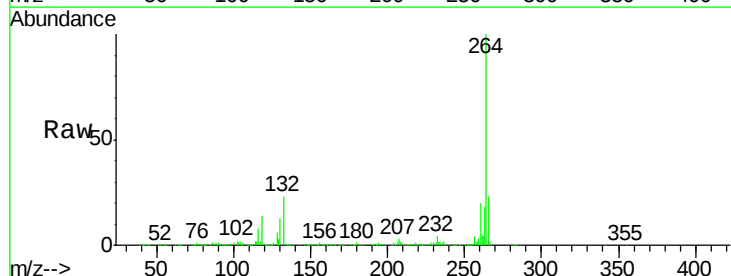
Abundance Ion 149.00 (148.70 to 149.70): E



#88

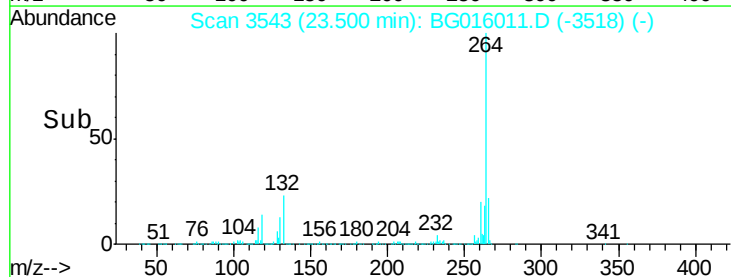
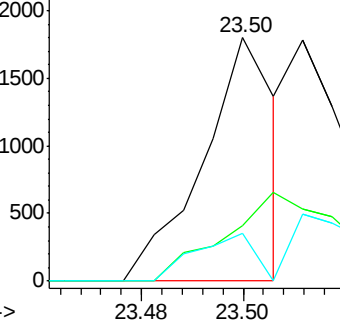
Benzo(a)pyrene
Concen: 0.06 ng/u1
RT: 23.50 min Scan# 3543
Delta R.T. -0.05 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

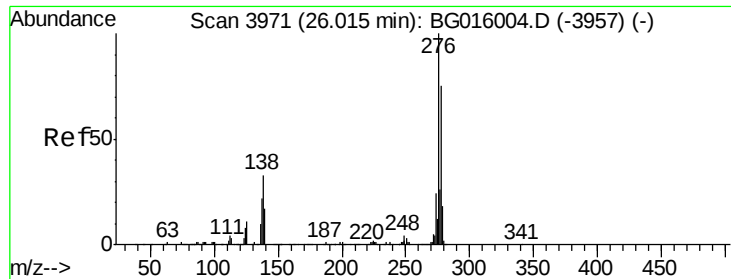
Tgt Ion:252 Resp: 1792
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 19.4 13.2 19.8



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

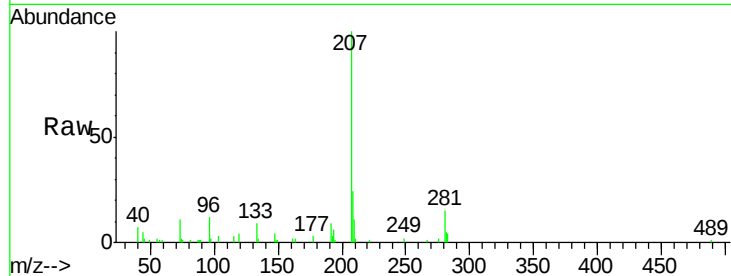




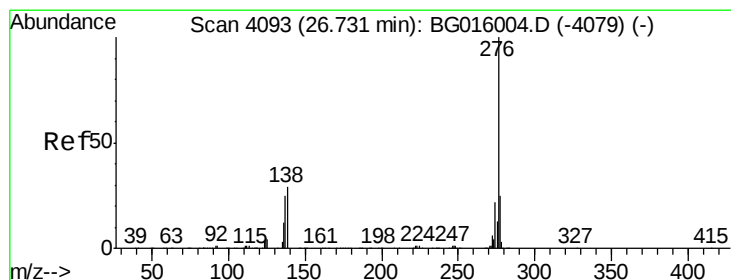
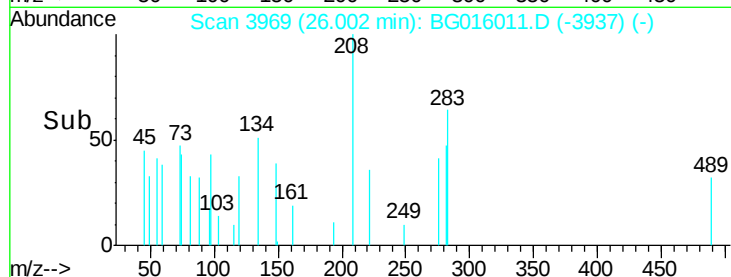
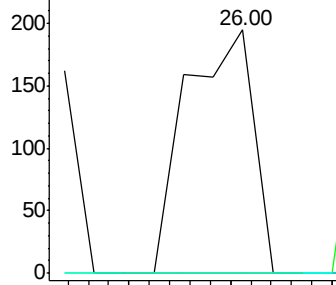
#89

Indeno(1,2,3-cd)pyrene
Concen: 0.00 ng/ul
RT: 26.00 min Scan# 3969
Delta R.T. -0.01 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

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



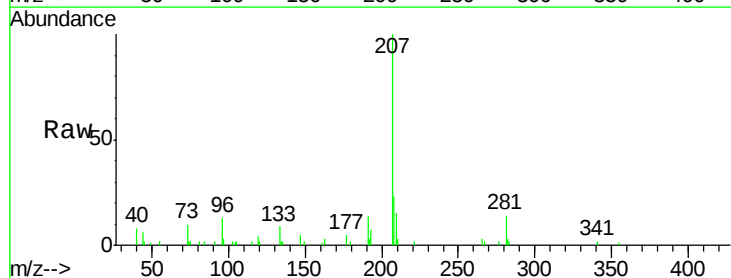
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#91

Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.73 min Scan# 4092
Delta R.T. -0.01 min
Lab File: BG016011.D
Acq: 19 Feb 2015 20:32

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

