

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016023.D
 Acq On : 20 Feb 2015 5:12
 Operator : TP/IZ
 Sample : MDL-S-BLK
 Misc : MDL-SOIL-BLK-SOM0
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Feb 20 07:29:18 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	86964	20.00	ng/ul	0.00
16) Naphthalene-d8	10.59	136	386663	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	232571	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.17	188	510204	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	538674	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	527987	20.00	ng/ul	0.00

System Monitoring Compounds

3) Phenol-d5	6.97	99	257592	31.13	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	162109	33.17	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	198602	32.45	ng/ul	0.00
11) 4-Methylphenol-d8	8.50	113	197335	32.23	ng/ul	0.00
17) Nitrobenzene-d5	8.96	128	96912	35.46	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	88205	34.99	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	169338	30.97	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	310064	51.47	ng/ul	0.00
41) Dimethylphthalate-d6	13.84	166	565222	36.35	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	742887	33.76	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	89979	28.78	ng/ul	0.00
55) Fluorene-d10	15.42	176	541657	34.66	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	39571	20.12	ng/ul	0.00
68) Anthracene-d10	17.27	188	844966	34.92	ng/ul	0.00
76) Pyrene-d10	19.57	212	903002	35.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	833708	34.82	ng/ul	0.00

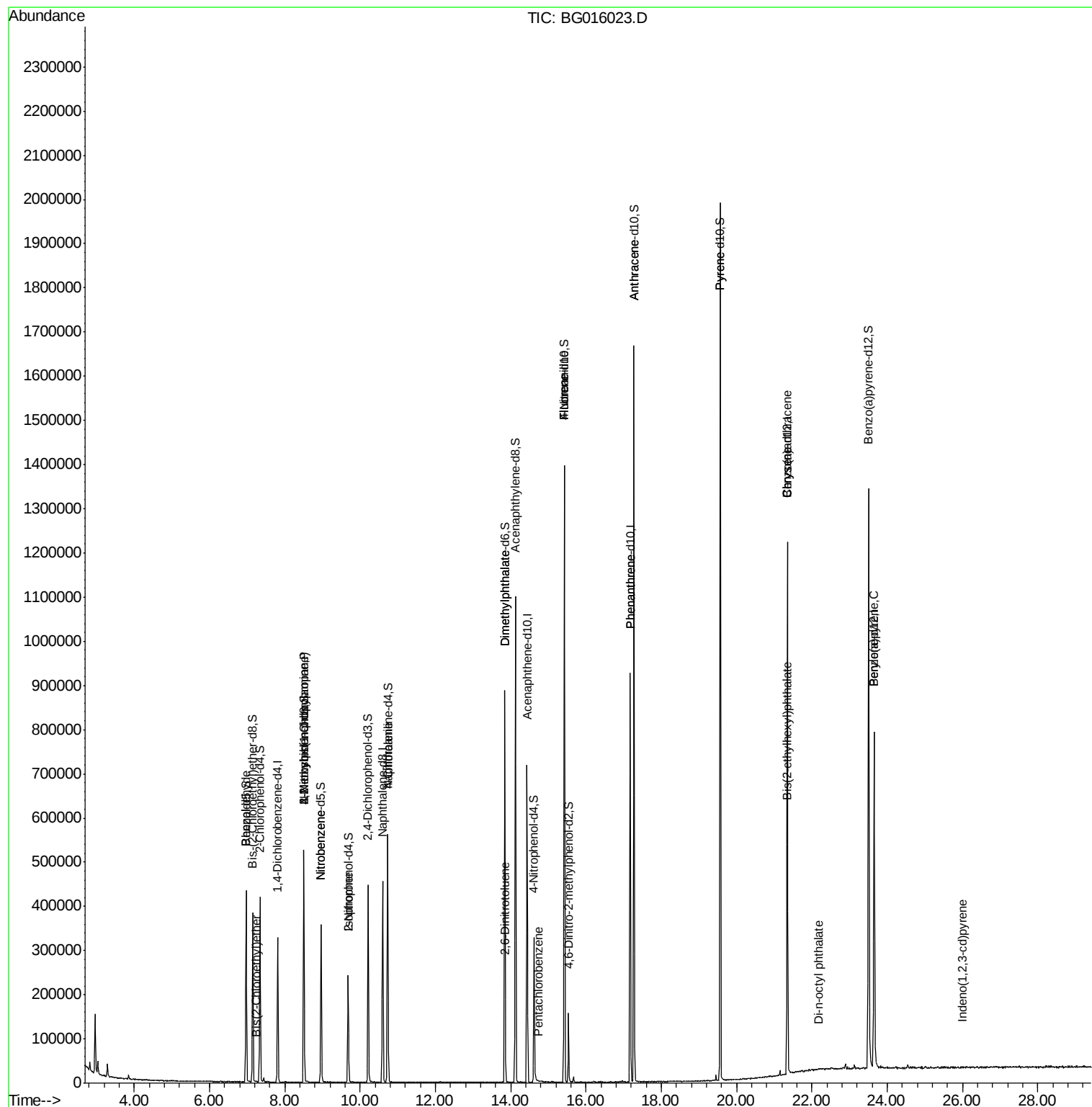
Target Compounds

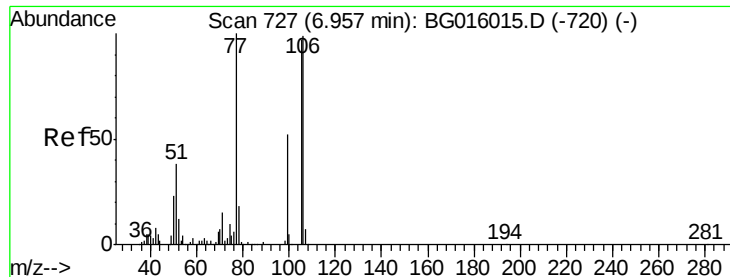
					Qvalue
2) Benzaldehyde	6.98	77	300	0.06 ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.23	93	891	0.13 ng/ul#	63
10) 2,2'-oxybis(1-Chloropropan	8.50	45	1270	0.15 ng/ul#	75
13) N-Nitroso-di-n-propylamine	8.50	70	4757	0.91 ng/ul#	1
18) Nitrobenzene	8.96	77	414	0.06 ng/ul#	23
19) Isophorone	9.68	82	5155	0.37 ng/ul#	62
26) Naphthalene	10.73	128	386	0.02 ng/ul#	1
42) Dimethylphthalate	13.84	163	446	0.03 ng/ul#	1
43) 2,6-Dinitrotoluene	13.87	165	297	0.11 ng/ul#	36
56) Fluorene	15.43	166	1247	0.07 ng/ul#	6
58) 4-Nitroaniline	15.43	138	160	0.04 ng/ul#	1
67) Phenanthrene	17.18	178	235	0.01 ng/ul#	30
69) Anthracene	17.27	178	329	0.01 ng/ul#	1
71) Pentachlorobenzene	14.75	250	201	0.03 ng/ul#	19
77) Pyrene	19.57	202	1405	0.04 ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1252	0.04 ng/ul#	65
81) Bis(2-ethylhexyl)phthalate	21.33	149	131	0.01 ng/ul#	50
82) Chrysene	21.35	228	1252	0.04 ng/ul#	63
84) Di-n-octyl phthalate	22.17	149	255	0.01 ng/ul	100
88) Benzo(a)pyrene	23.65	252	2141	0.07 ng/ul	94
89) Indeno(1,2,3-cd)pyrene	25.99	276	56	0.00 ng/ul#	45

(#) = 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: BG016023.D

Acq: 20 Feb 2015 5:12

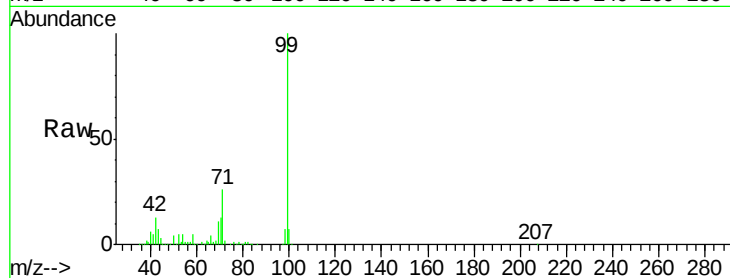
Tgt Ion: 77 Resp: 300

Ion Ratio Lower Upper

77 100

105 0.0 76.6 114.8#

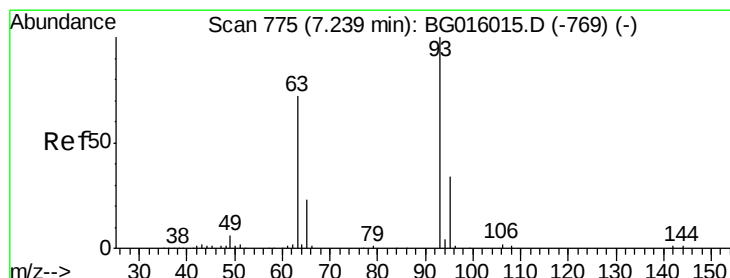
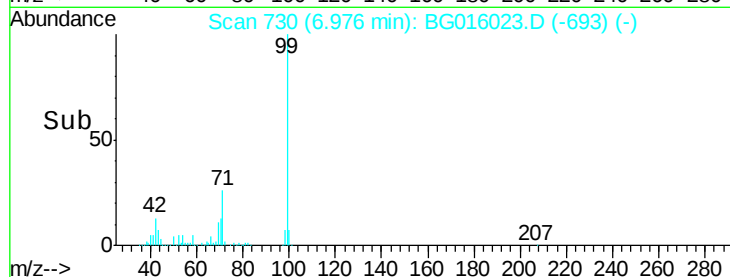
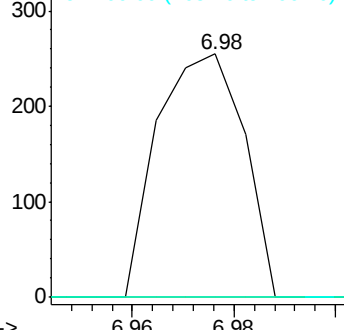
106 0.0 78.2 117.4#



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: 0.13 ng/ul

RT: 7.23 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG016023.D

Acq: 20 Feb 2015 5:12

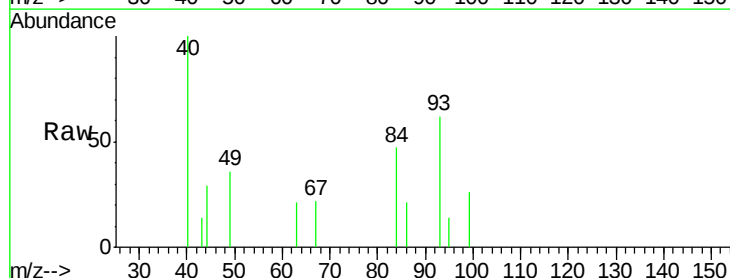
Tgt Ion: 93 Resp: 891

Ion Ratio Lower Upper

93 100

63 34.4 57.5 86.3#

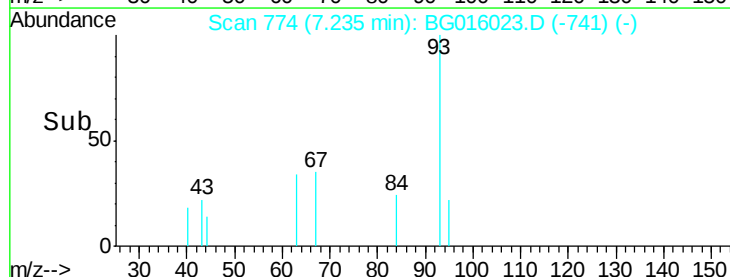
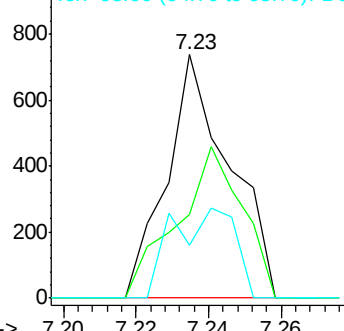
95 21.8 25.8 38.6#

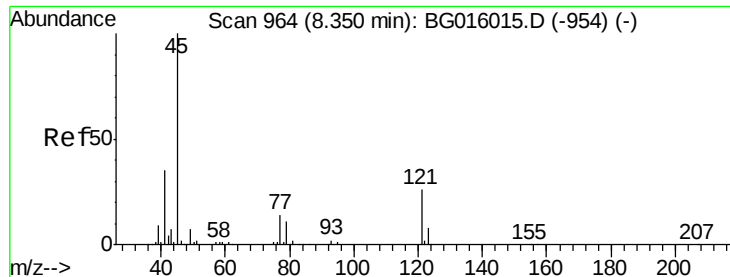


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

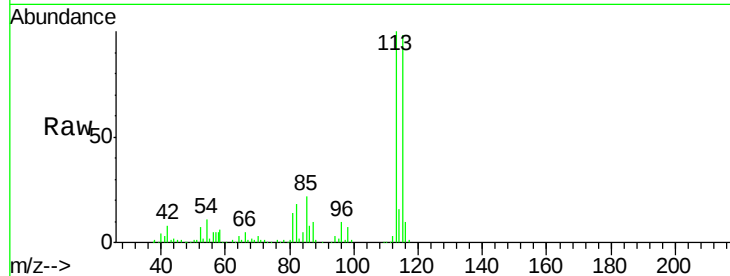
Ion 95.00 (94.70 to 95.70): BGC



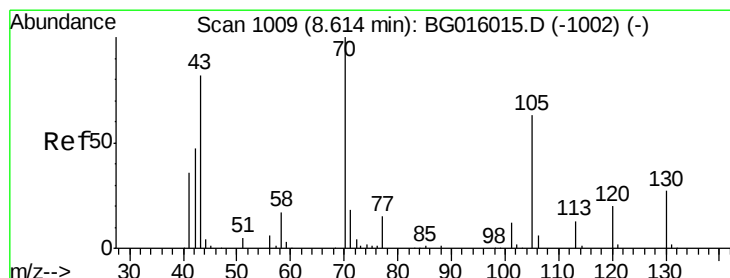
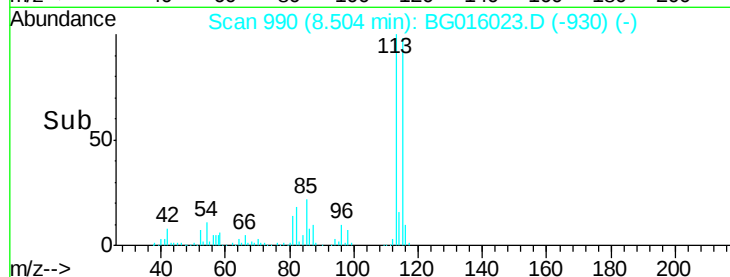
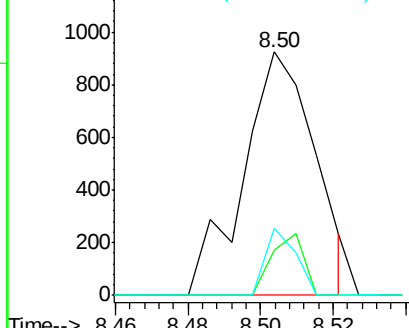


#10
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.15 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. 0.15 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

Tgt Ion: 45 Resp: 1270
 Ion Ratio Lower Upper
 45 100
 77 18.8 11.4 17.2#
 79 27.5 9.0 13.6#

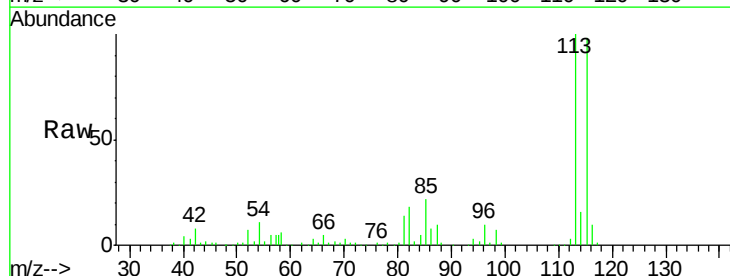


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

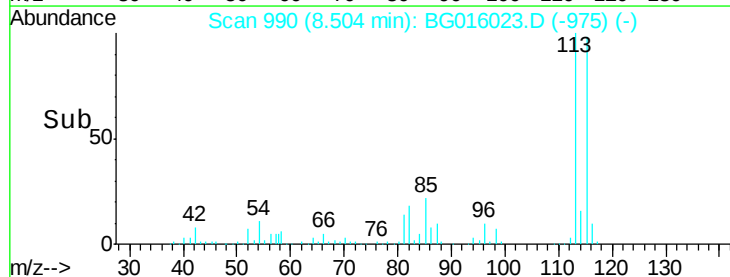
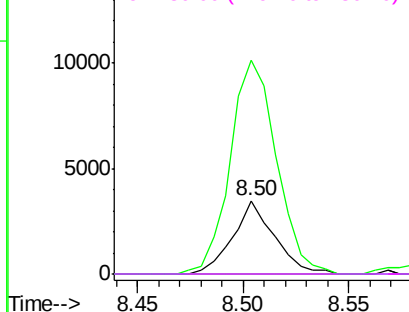


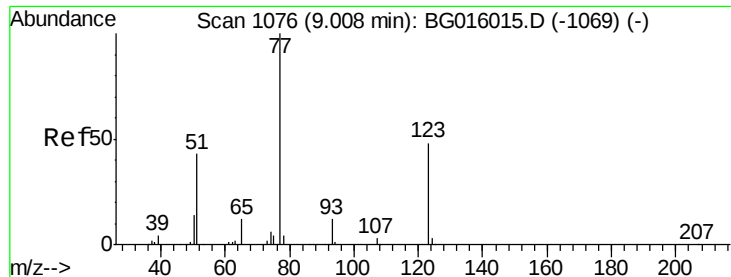
#13
 N-Nitroso-di-n-propylamine
 Concen: 0.91 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. -0.11 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

Tgt Ion: 70 Resp: 4757
 Ion Ratio Lower Upper
 70 100
 42 291.9 37.8 56.6#
 101 0.0 9.3 13.9#
 130 0.0 22.2 33.2#



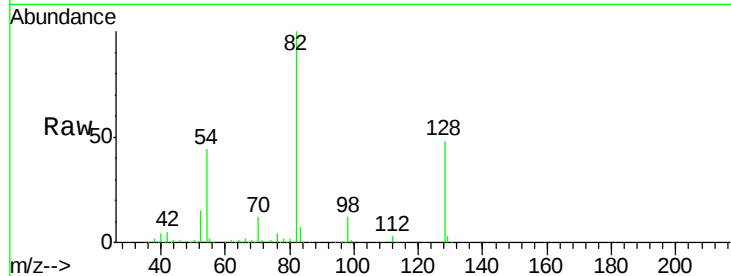
Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): BGC
 Ion 130.00 (129.70 to 130.70): BGC



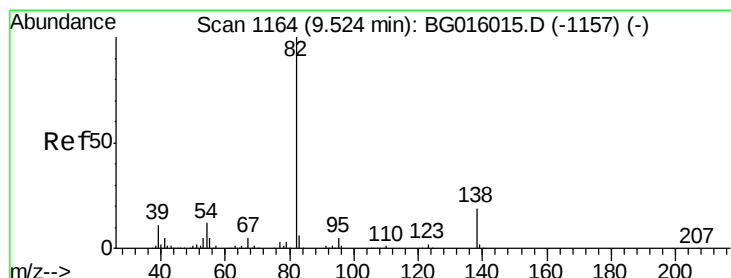
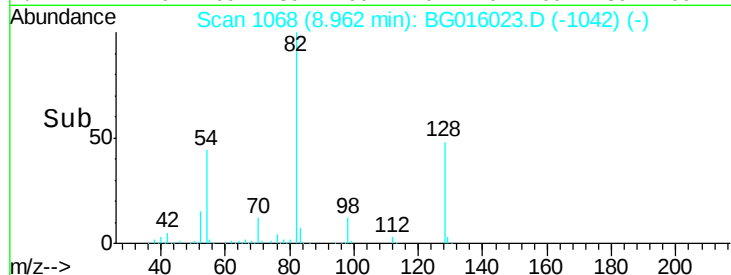
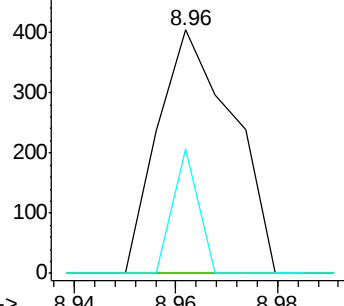


#18
Nitrobenzene
Concen: 0.06 ng/ul
RT: 8.96 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion: 77 Resp: 414
Ion Ratio Lower Upper
77 100
123 0.0 39.9 59.9#
65 51.5 11.0 16.6#

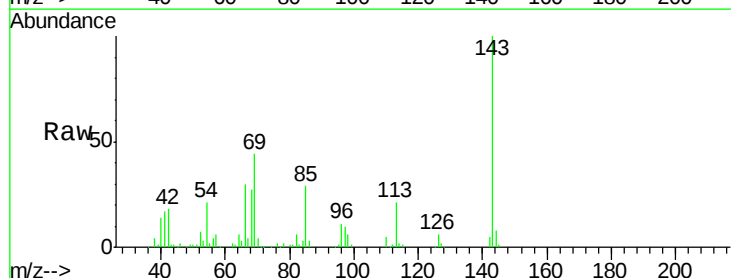


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

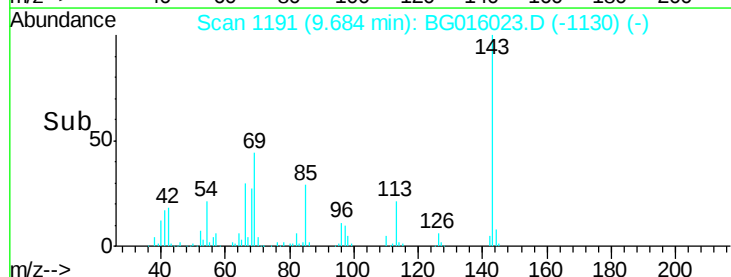
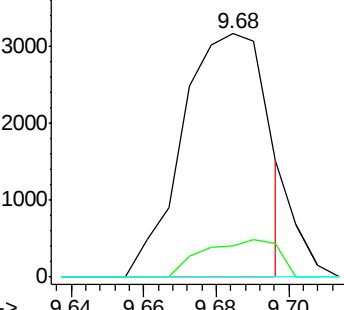


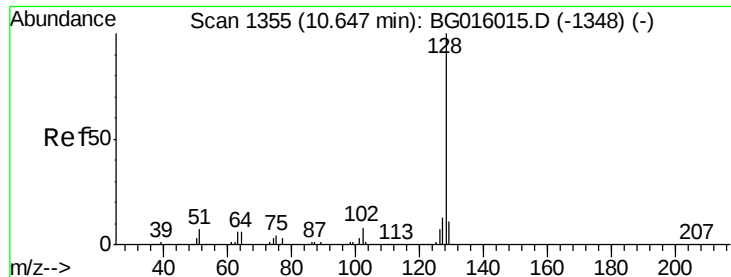
#19
Isophorone
Concen: 0.37 ng/ul
RT: 9.68 min Scan# 1191
Delta R.T. 0.16 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion: 82 Resp: 5155
Ion Ratio Lower Upper
82 100
95 13.0 4.6 6.8#
138 0.0 15.4 23.2#



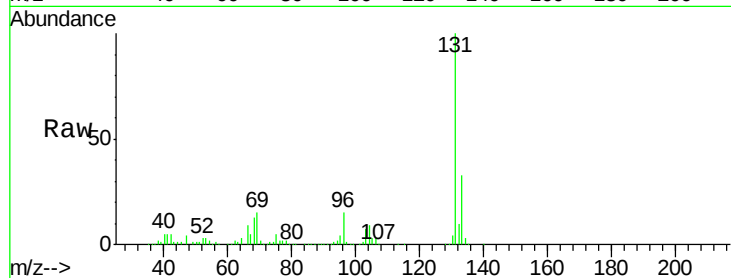
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



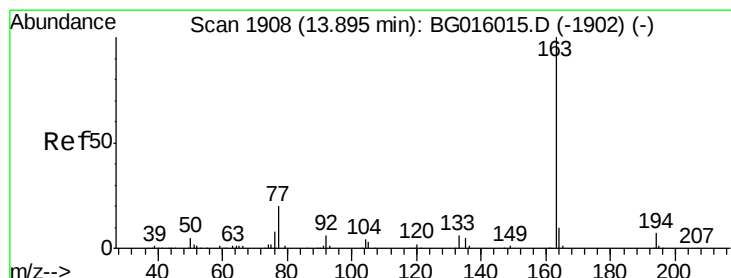
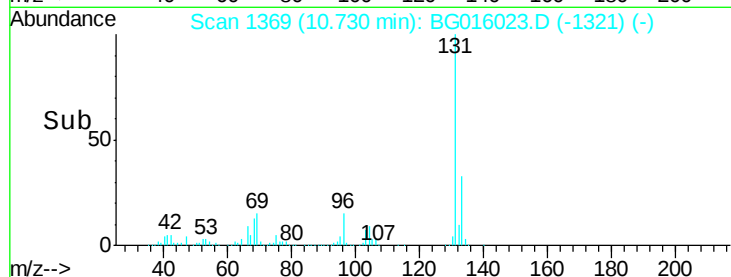
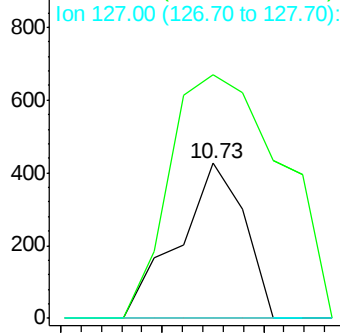


#26
Naphthalene
Concen: 0.02 ng/ul
RT: 10.73 min Scan# 1369
Delta R.T. 0.08 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion:128 Resp: 386
Ion Ratio Lower Upper
128 100
129 157.0 8.7 13.1#
127 0.0 10.4 15.6#

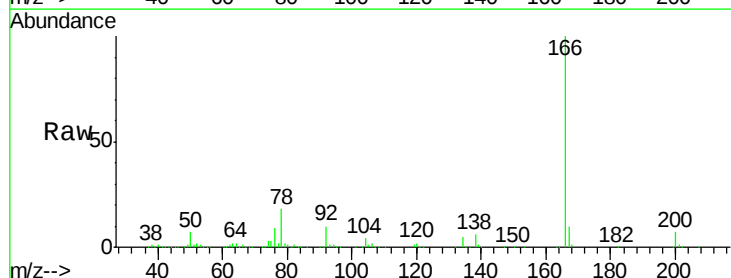


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

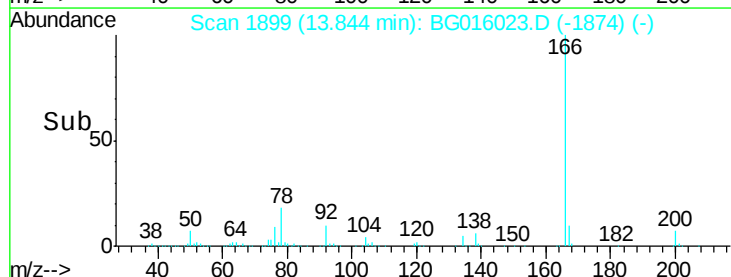
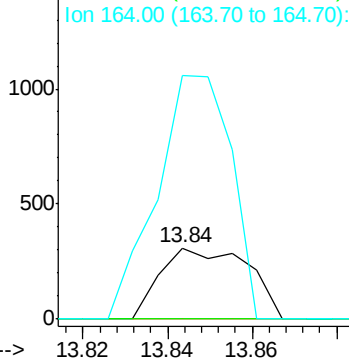


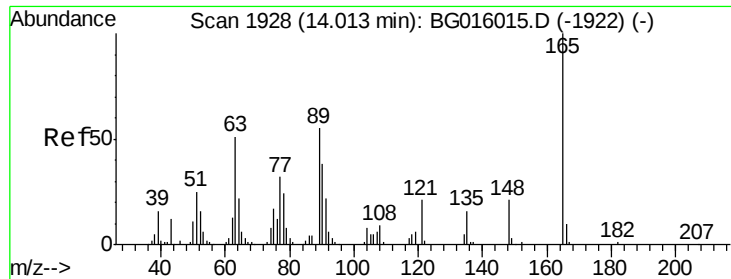
#42
Dimethylphthalate
Concen: 0.03 ng/ul
RT: 13.84 min Scan# 1899
Delta R.T. -0.05 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion:163 Resp: 446
Ion Ratio Lower Upper
163 100
194 0.0 5.3 7.9#
164 342.4 8.5 12.7#



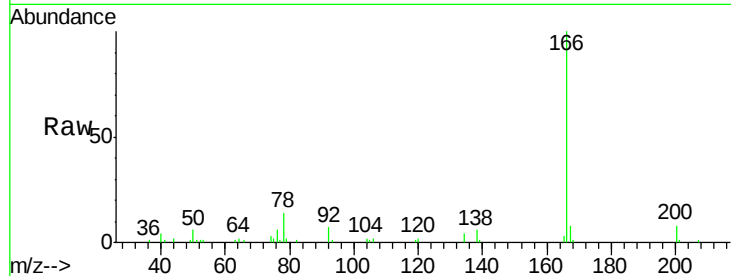
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



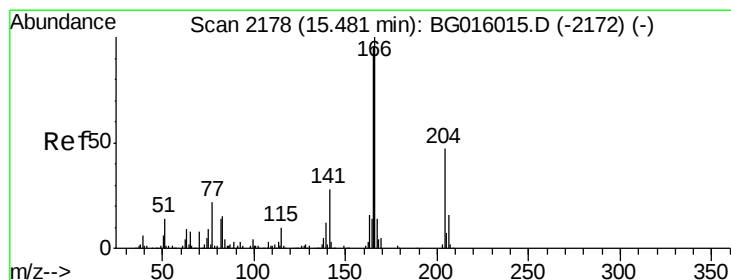
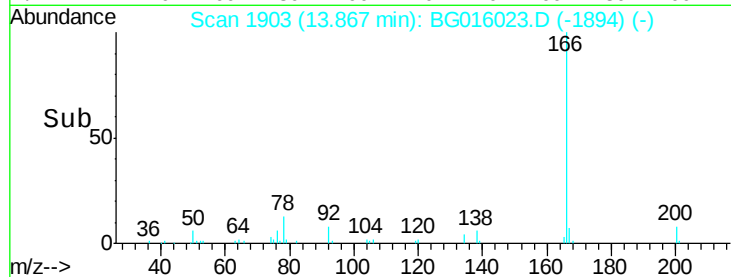
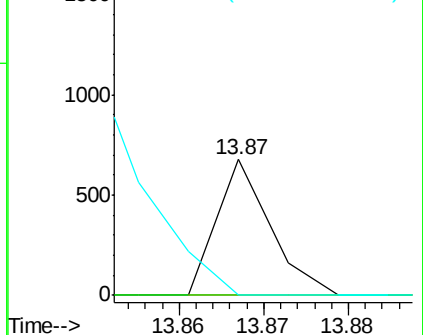


#43
 2,6-Dinitrotoluene
 Concen: 0.11 ng/ul
 RT: 13.87 min Scan# 1903
 Delta R.T. -0.15 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

Tgt Ion:165 Resp: 297
 Ion Ratio Lower Upper
 165 100
 89 0.0 39.8 59.8#
 121 0.0 15.8 23.6#

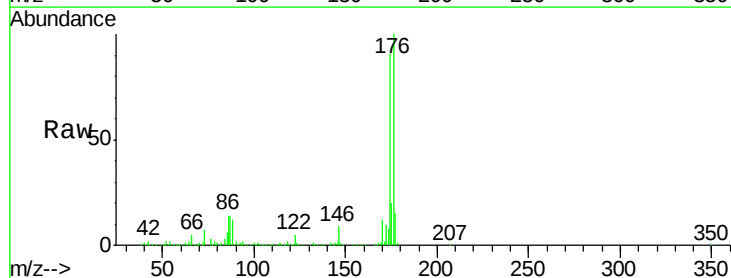


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

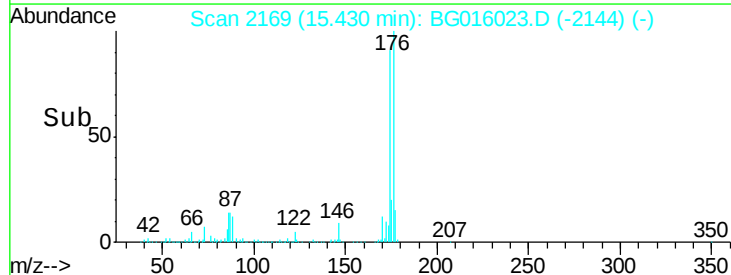
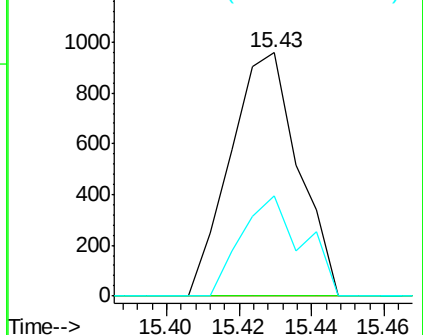


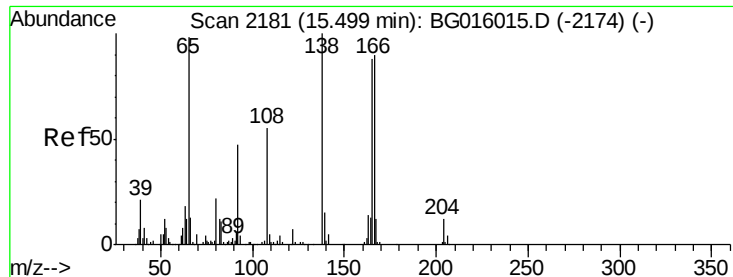
#56
 Fluorene
 Concen: 0.07 ng/ul
 RT: 15.43 min Scan# 2169
 Delta R.T. -0.05 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

Tgt Ion:166 Resp: 1247
 Ion Ratio Lower Upper
 166 100
 165 0.0 75.4 113.2#
 167 41.3 11.0 16.4#



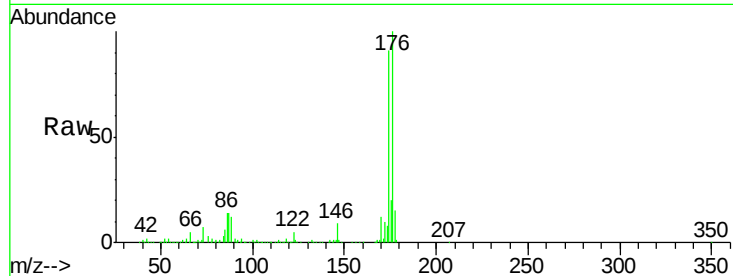
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E



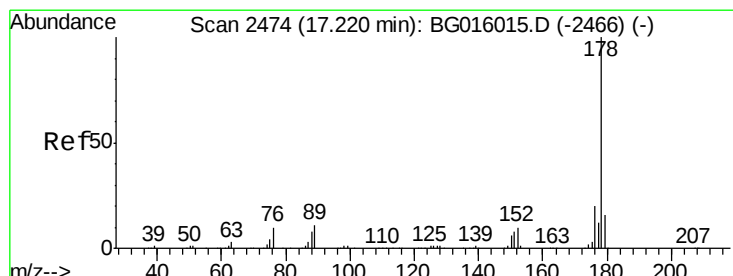
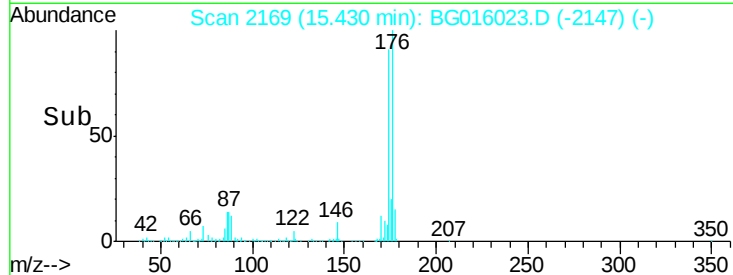
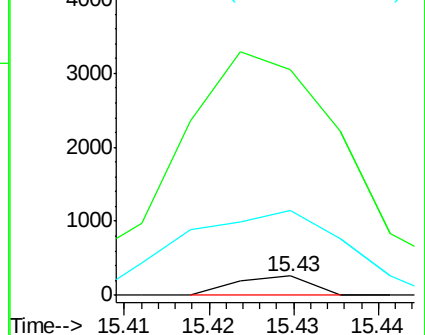


#58
4-Nitroaniline
Concen: 0.04 ng/ul
RT: 15.43 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion:138 Resp: 160
Ion Ratio Lower Upper
138 100
92 1175.4 38.1 57.1#
108 444.2 46.4 69.6#

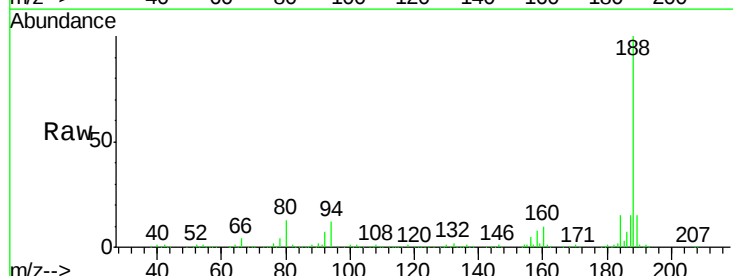


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG0
Ion 108.00 (107.70 to 108.70): E

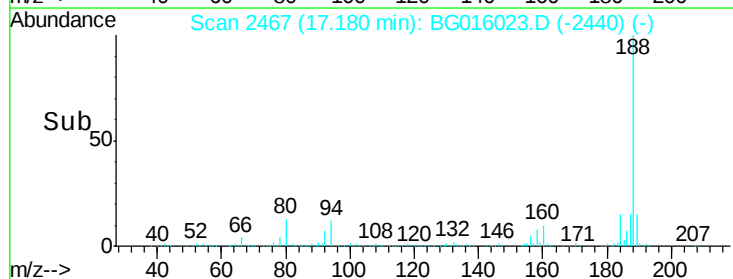
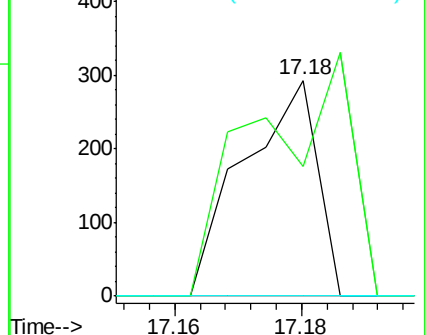


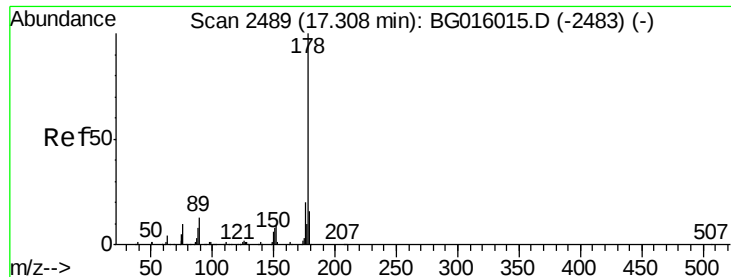
#67
Phenanthrene
Concen: 0.01 ng/ul
RT: 17.18 min Scan# 2467
Delta R.T. -0.04 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion:178 Resp: 235
Ion Ratio Lower Upper
178 100
179 60.1 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# 2482

Delta R.T. -0.04 min

Lab File: BG016023.D

Acq: 20 Feb 2015 5:12

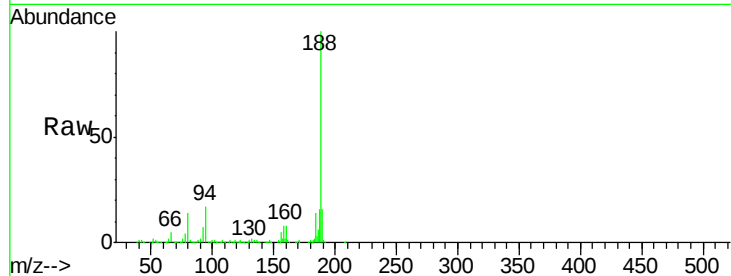
Tgt Ion:178 Resp: 329

Ion Ratio Lower Upper

178 100

179 92.1 12.9 19.3#

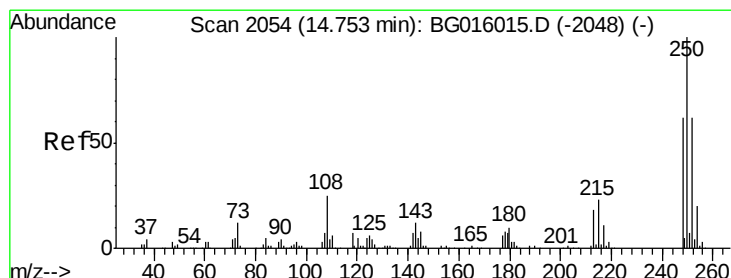
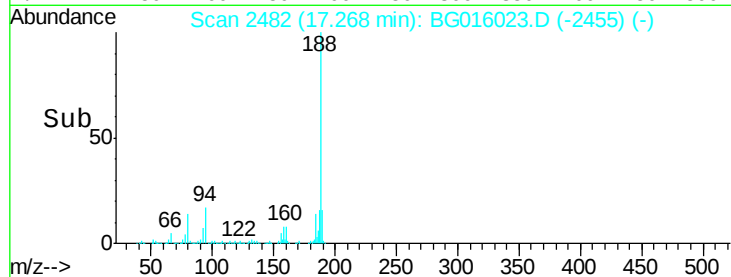
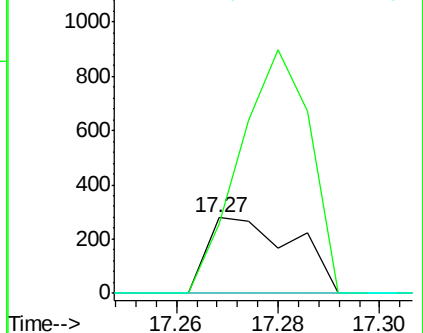
176 0.0 15.7 23.5#



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



#71

Pentachlorobenzene

Concen: 0.03 ng/uL

RT: 14.75 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BG016023.D

Acq: 20 Feb 2015 5:12

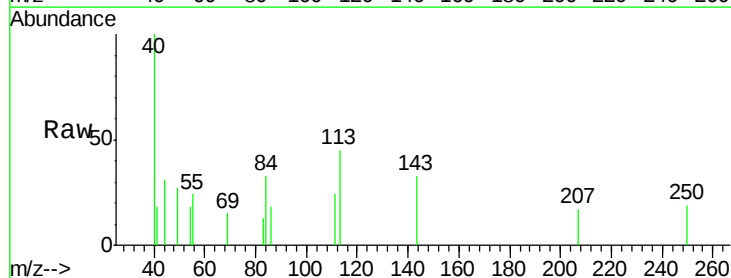
Tgt Ion:250 Resp: 201

Ion Ratio Lower Upper

250 100

248 0.0 50.5 75.7#

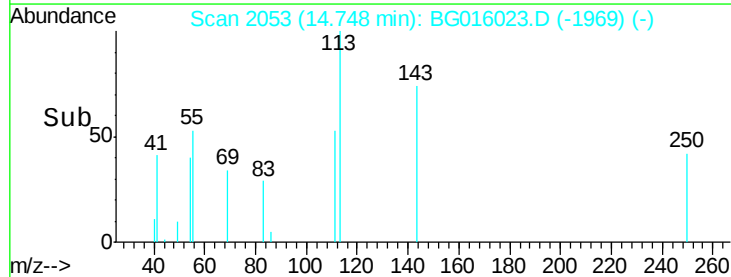
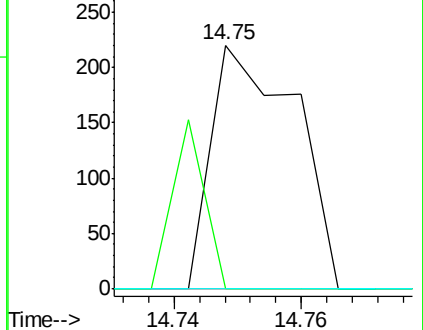
252 0.0 50.7 76.1#

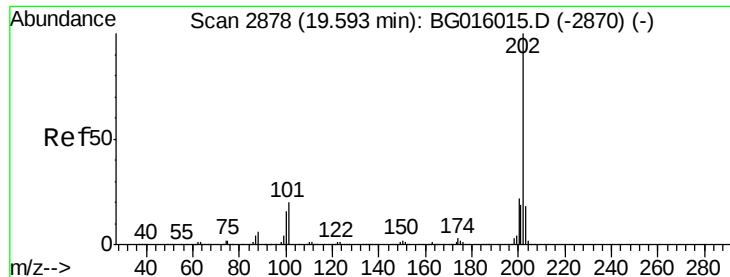


Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E





#77

Pyrene

Concen: 0.04 ng/ul

RT: 19.57 min Scan# 2873

Delta R.T. -0.03 min

Lab File: BG016023.D

Acq: 20 Feb 2015 5:12

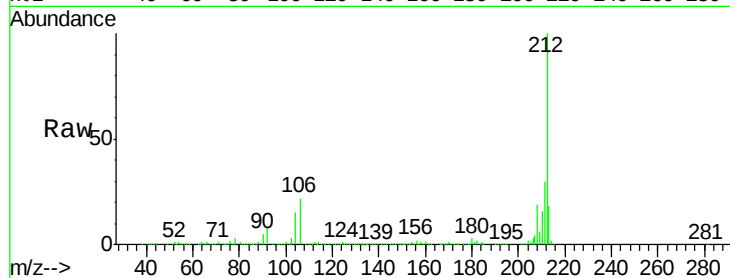
Tgt Ion: 202 Resp: 1405

Ion Ratio Lower Upper

202 100

101 150.0 15.8 23.8#

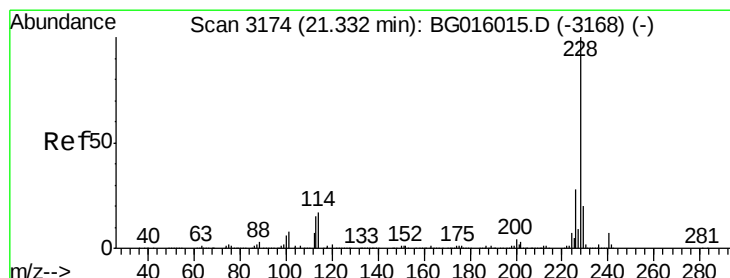
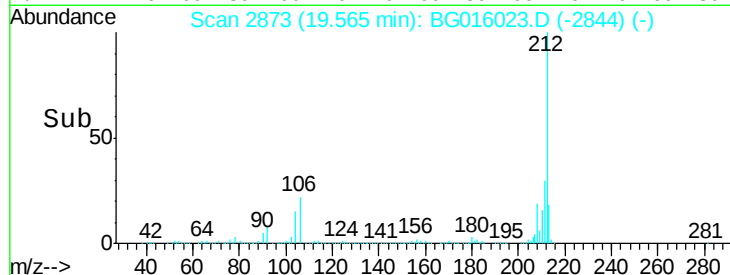
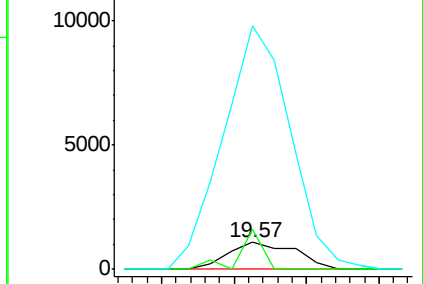
100 898.6 12.7 19.1#



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): E



#80

Benzo(a)anthracene

Concen: 0.04 ng/ul

RT: 21.35 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG016023.D

Acq: 20 Feb 2015 5:12

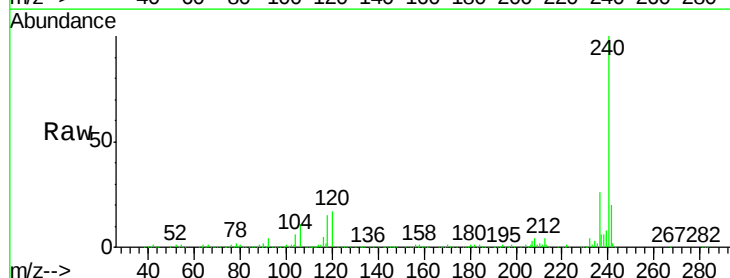
Tgt Ion: 228 Resp: 1252

Ion Ratio Lower Upper

228 100

229 25.1 16.4 24.6#

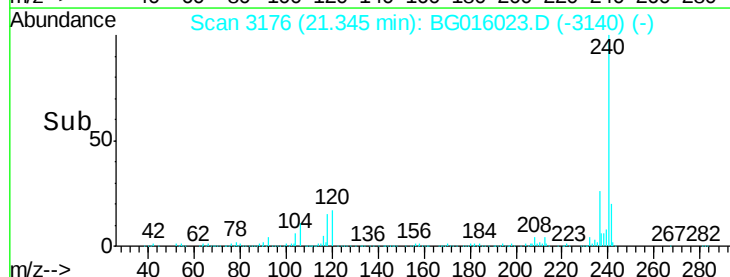
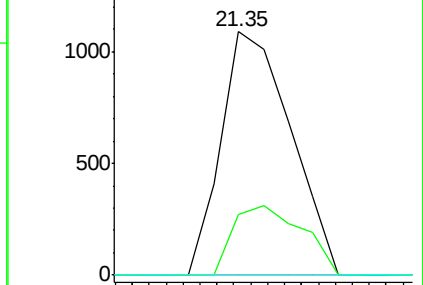
226 0.0 22.8 34.2#

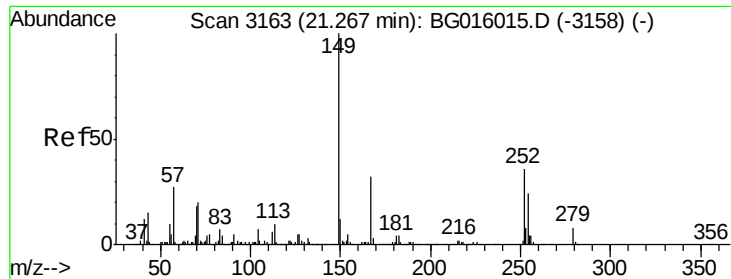


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

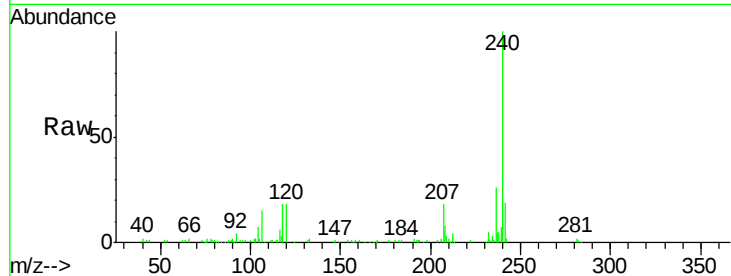
Ion 226.00 (225.70 to 226.70): E



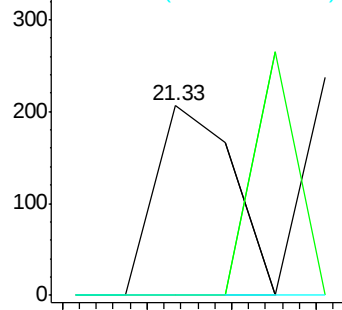


#81
 Bis(2-ethylhexyl)phthalate
 Concen: 0.01 ng/ul
 RT: 21.33 min Scan# 3174
 Delta R.T. 0.07 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

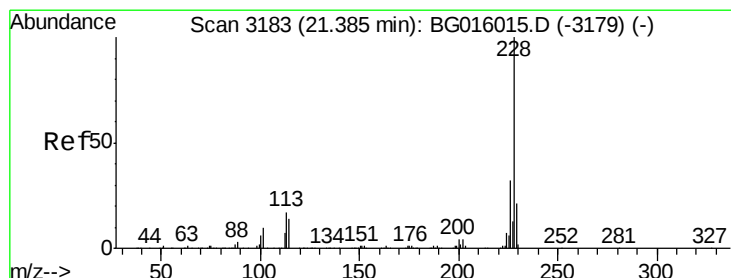
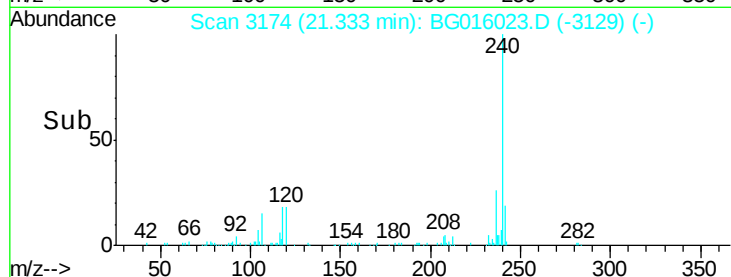
Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	25.5	38.3#
279	0.0	6.0	9.0#



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

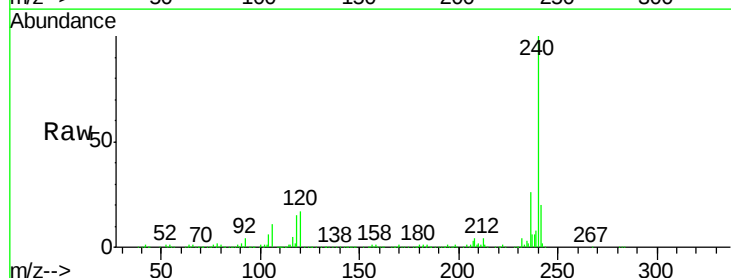


Time--> 21.32 21.33 21.34 21.35

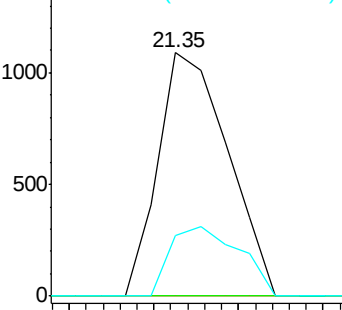


#82
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.35 min Scan# 3176
 Delta R.T. -0.04 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

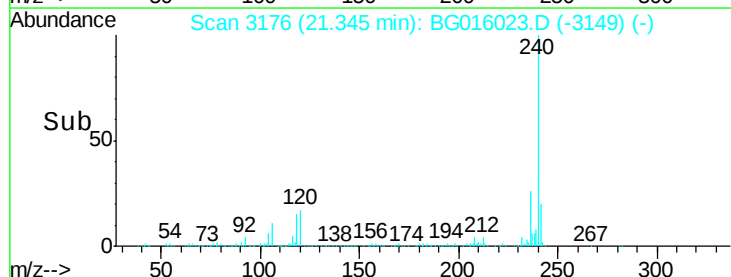
Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.7	37.1#
229	25.1	17.0	25.6

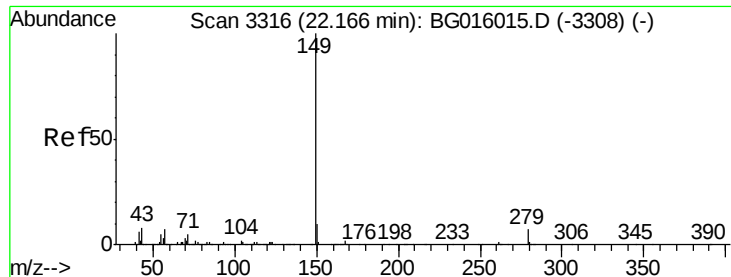


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time--> 21.32 21.34 21.36 21.38

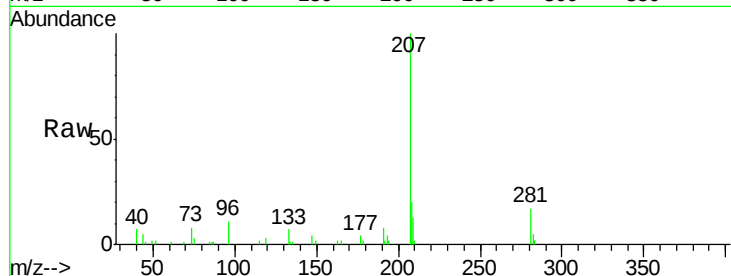




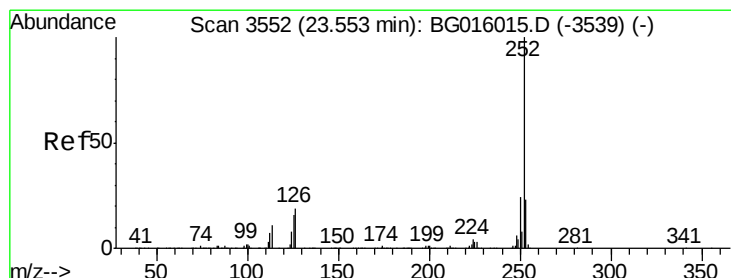
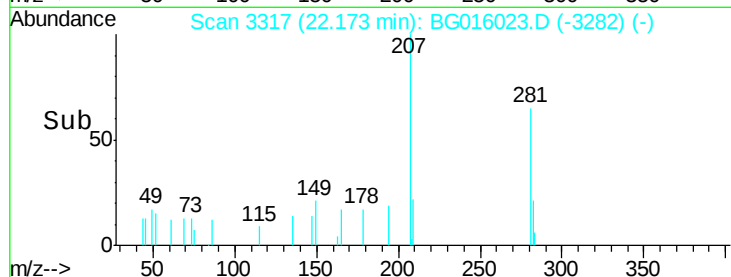
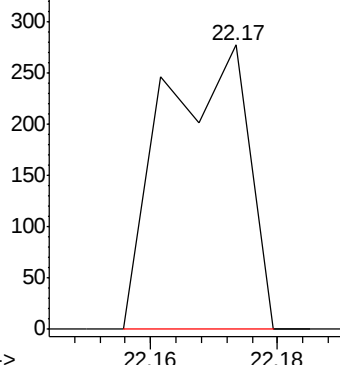
#84

Di-n-octyl phthalate
Concen: 0.01 ng/ul
RT: 22.17 min Scan# 3317
Delta R.T. 0.01 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

Tgt Ion:149 Resp: 255



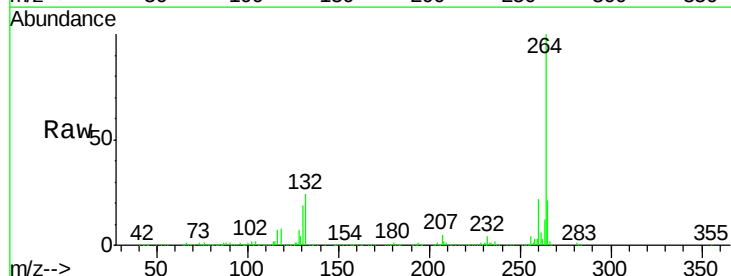
Abundance Ion 149.00 (148.70 to 149.70): E



#88

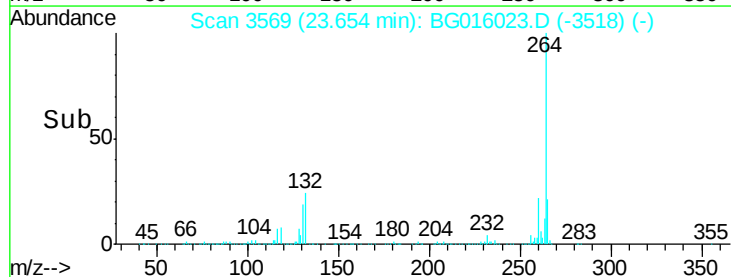
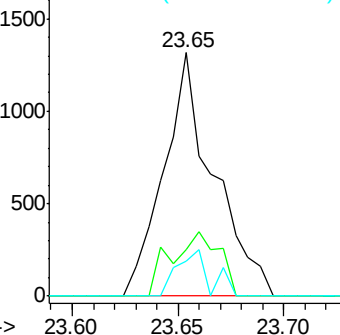
Benzo(a)pyrene
Concen: 0.07 ng/ul
RT: 23.65 min Scan# 3569
Delta R.T. 0.10 min
Lab File: BG016023.D
Acq: 20 Feb 2015 5:12

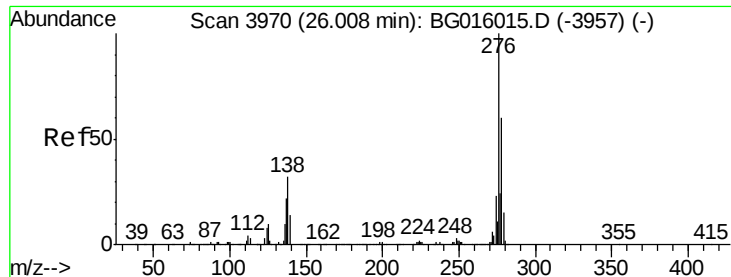
Tgt Ion:252 Resp: 2141
Ion Ratio Lower Upper
252 100
253 19.1 17.9 26.9
125 14.3 13.2 19.8



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: 25.99 min Scan# 3967
 Delta R.T. -0.02 min
 Lab File: BG016023.D
 Acq: 20 Feb 2015 5:12

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

