

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021915\
 Data File : BG016024.D
 Acq On : 20 Feb 2015 5:47
 Operator : TP/IZ
 Sample : MDL-BLK-S-ML
 Misc : MDL-SOIL-BLK-SOM0-ML
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 20 07:29:43 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	91538	20.00	ng/ul	0.00
16) Naphthalene-d8	10.60	136	398725	20.00	ng/ul	0.00
33) Acenaphthene-d10	14.44	164	238754	20.00	ng/ul	0.00
59) Phenanthrene-d10	17.17	188	530372	20.00	ng/ul	0.00
75) Chrysene-d12	21.35	240	567131	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	545208	20.00	ng/ul	0.00

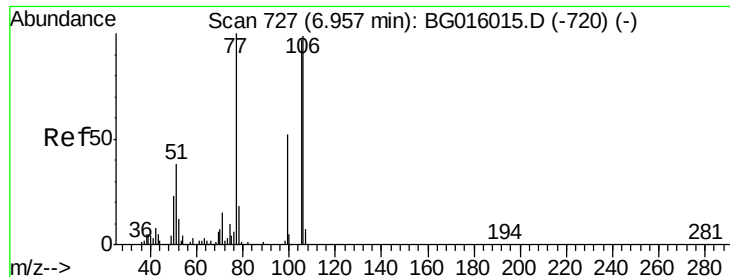
System Monitoring Compounds

3) Phenol-d5	6.97	99	296956	34.10	ng/ul	0.00
5) Bis-(2-Chloroethyl)ether-d	7.15	67	182852	35.55	ng/ul	0.00
7) 2-Chlorophenol-d4	7.34	132	229090	35.56	ng/ul	0.00
11) 4-Methylphenol-d8	8.50	113	224643	34.85	ng/ul	0.00
17) Nitrobenzene-d5	8.96	128	111322	39.50	ng/ul	0.00
20) 2-Nitrophenol-d4	9.68	143	100843	38.79	ng/ul	0.00
24) 2,4-Dichlorophenol-d3	10.21	165	192078	34.06	ng/ul	0.00
27) 4-Chloroaniline-d4	10.73	131	348897	56.16	ng/ul	0.00
41) Dimethylphthalate-d6	13.84	166	613819	38.45	ng/ul	0.00
44) Acenaphthylene-d8	14.13	160	815998	36.12	ng/ul	0.00
49) 4-Nitrophenol-d4	14.62	143	102990	32.09	ng/ul	0.00
55) Fluorene-d10	15.42	176	605745	37.75	ng/ul	0.00
60) 4,6-Dinitro-2-methylphenol	15.54	200	42909	20.98	ng/ul	0.00
68) Anthracene-d10	17.27	188	915556	36.40	ng/ul	0.00
76) Pyrene-d10	19.57	212	997677	37.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	924861	37.41	ng/ul	0.00

Target Compounds

					Qvalue	
2) Benzaldehyde	6.98	77	354	0.06	ng/ul#	1
6) Bis(2-Chloroethyl)ether	7.24	93	1362	0.19	ng/ul	91
10) 2,2'-oxybis(1-Chloropropan	8.50	45	1572	0.17	ng/ul#	72
13) N-Nitroso-di-n-propylamine	8.50	70	5409	0.98	ng/ul#	1
18) Nitrobenzene	8.97	77	378	0.06	ng/ul#	36
19) Isophorone	9.68	82	5861	0.41	ng/ul#	61
26) Naphthalene	10.74	128	279	0.01	ng/ul#	1
42) Dimethylphthalate	13.84	163	398	0.02	ng/ul#	1
52) 2,4-Dinitrotoluene	14.63	165	58	0.01	ng/ul#	1
56) Fluorene	15.43	166	1517	0.08	ng/ul#	10
58) 4-Nitroaniline	15.42	138	232	0.05	ng/ul#	1
69) Anthracene	17.28	178	289	0.01	ng/ul#	1
73) Di-n-butylphthalate	18.15	149	83	0.00	ng/ul#	78
77) Pyrene	19.57	202	1449	0.04	ng/ul#	1
80) Benzo(a)anthracene	21.35	228	1322	0.04	ng/ul#	60
81) Bis(2-ethylhexyl)phthalate	21.30	149	72	0.00	ng/ul#	50
82) Chrysene	21.35	228	1322	0.04	ng/ul#	59
84) Di-n-octyl phthalate	22.17	149	64	0.00	ng/ul	100
88) Benzo(a)pyrene	23.54	252	72	0.00	ng/ul#	57
91) Benzo(g,h,i)perylene	26.74	276	134	0.00	ng/ul#	48

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



#2

Benzaldehyde

Concen: 0.06 ng/ul

RT: 6.98 min Scan# 730

Delta R.T. 0.02 min

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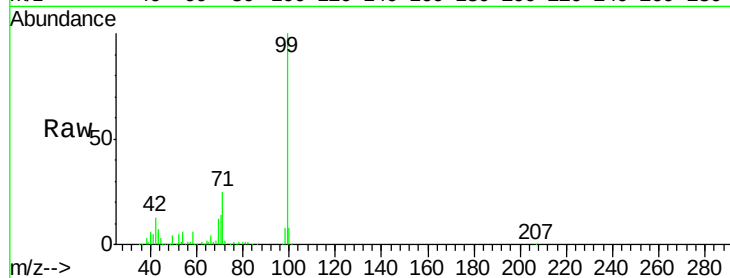
Tgt Ion: 77 Resp: 354

Ion Ratio Lower Upper

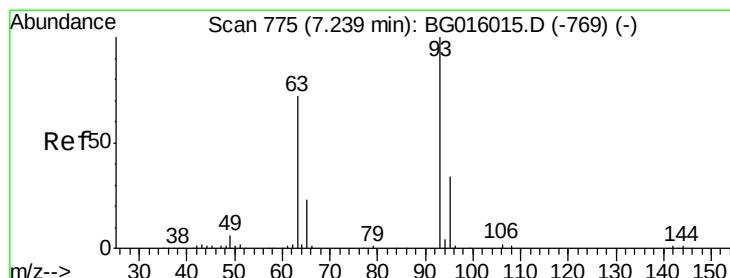
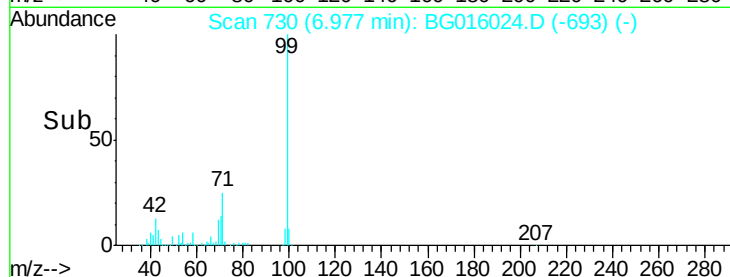
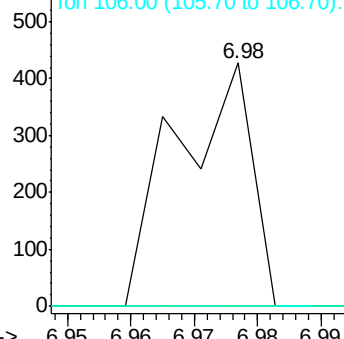
77 100

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: 0.19 ng/ul

RT: 7.24 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

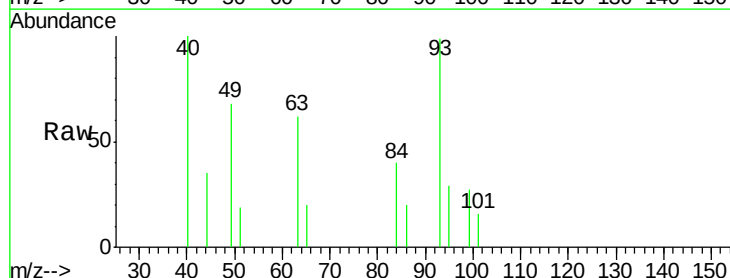
Tgt Ion: 93 Resp: 1362

Ion Ratio Lower Upper

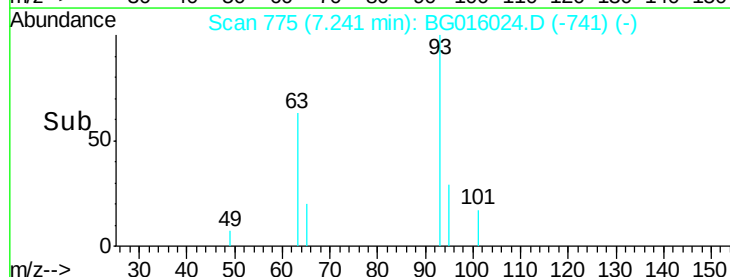
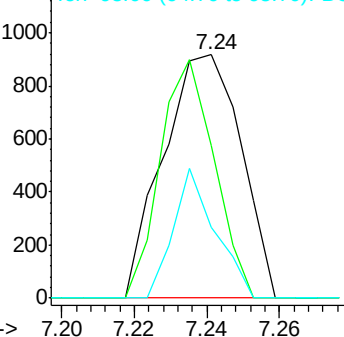
93 100

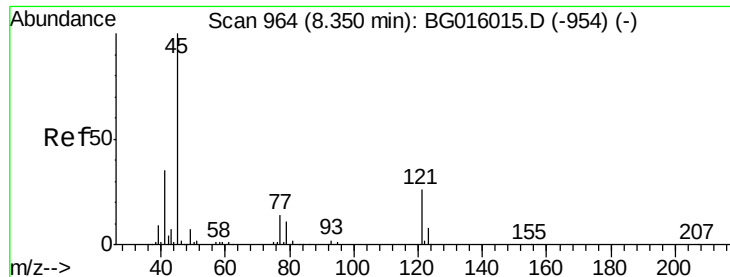
63 62.7 57.5 86.3

95 29.0 25.8 38.6



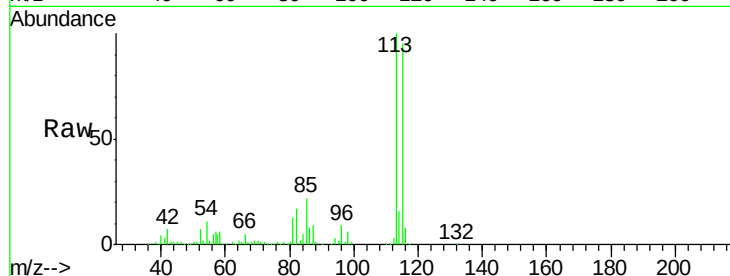
Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



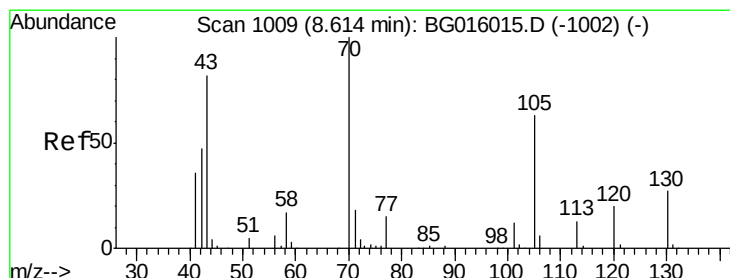
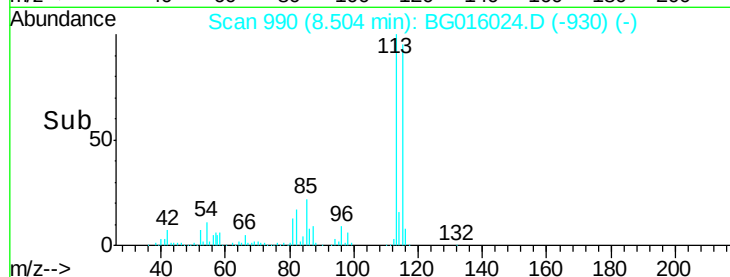
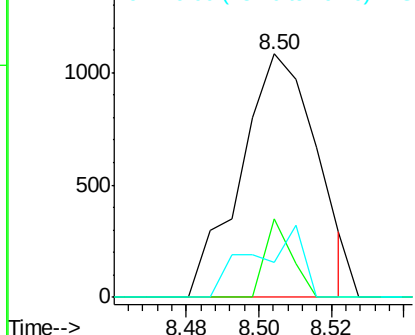


#10
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.17 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. 0.15 min
 Lab File: BG016024.D
 Acq: 20 Feb 2015 5:47

Tgt Ion	Ratio	Lower	Upper
45	100		
77	32.4	11.4	17.2#
79	14.4	9.0	13.6#

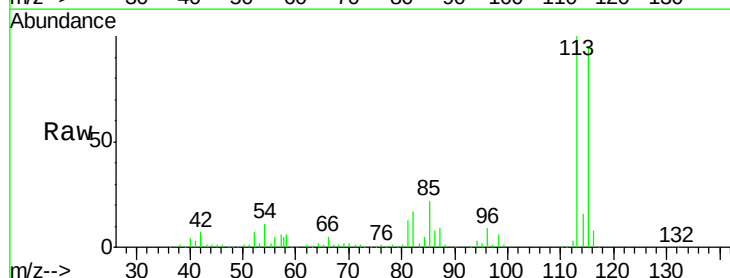


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

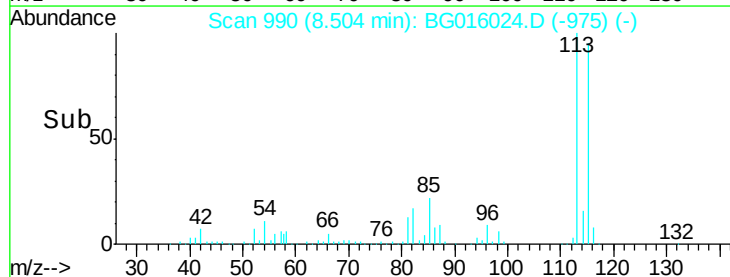
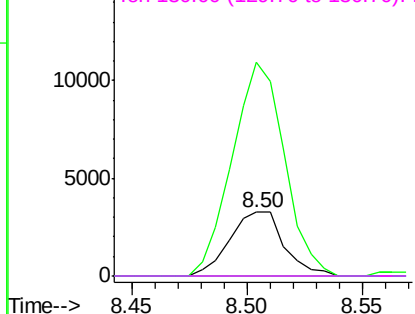


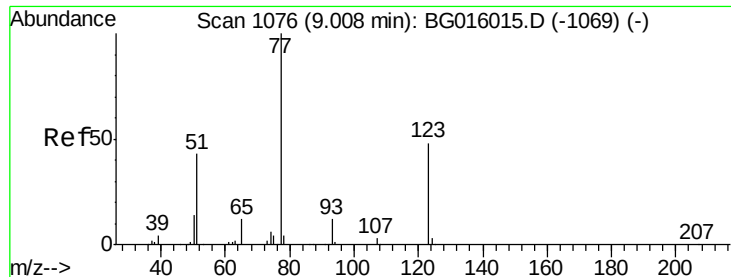
#13
 N-Nitroso-di-n-propylamine
 Concen: 0.98 ng/ul
 RT: 8.50 min Scan# 990
 Delta R.T. -0.11 min
 Lab File: BG016024.D
 Acq: 20 Feb 2015 5:47

Tgt Ion	Ratio	Lower	Upper
70	100		
42	334.3	37.8	56.6#
101	0.0	9.3	13.9#
130	0.0	22.2	33.2#



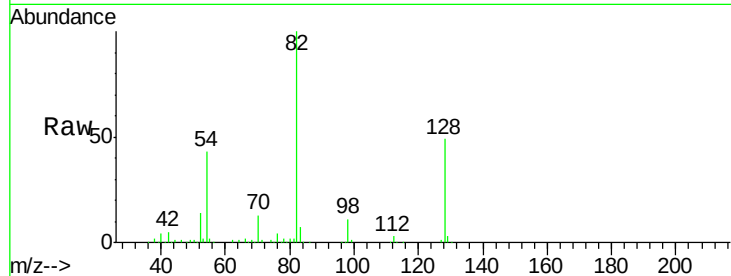
Abundance Ion 70.00 (69.70 to 70.70): BGC
 Ion 42.00 (41.70 to 42.70): BGC
 Ion 101.00 (100.70 to 101.70): BGC
 Ion 130.00 (129.70 to 130.70): BGC



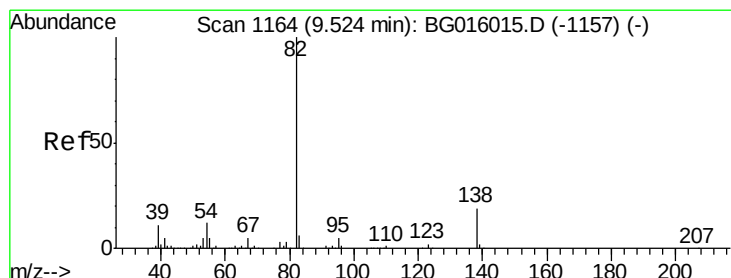
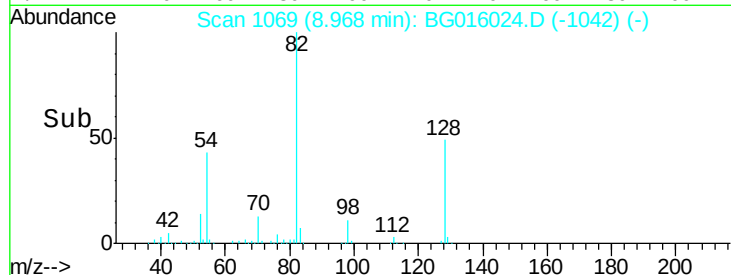
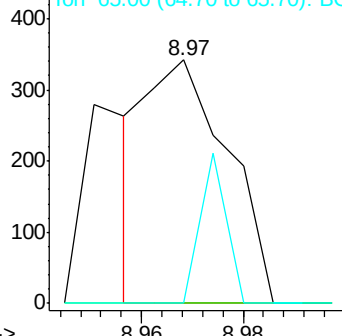


#18
 Nitrobenzene
 Concen: 0.06 ng/ul
 RT: 8.97 min Scan# 1069
 Delta R.T. -0.04 min
 Lab File: BG016024.D
 Acq: 20 Feb 2015 5:47

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

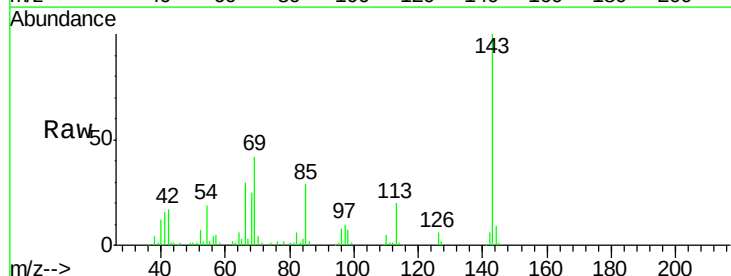


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

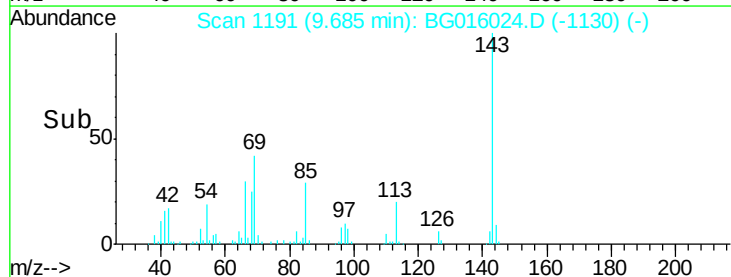
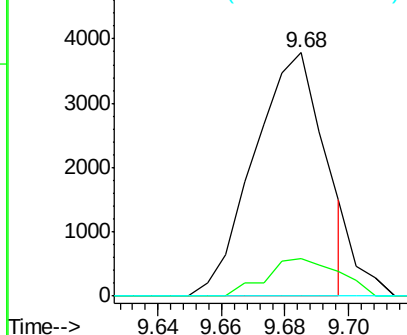


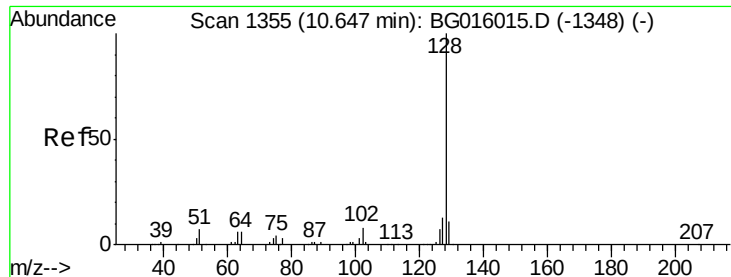
#19
 Isophorone
 Concen: 0.41 ng/ul
 RT: 9.68 min Scan# 1191
 Delta R.T. 0.16 min
 Lab File: BG016024.D
 Acq: 20 Feb 2015 5:47

Tgt Ion	Ratio	Lower	Upper
82	100		
95	15.3	4.6	6.8#
138	0.0	15.4	23.2#



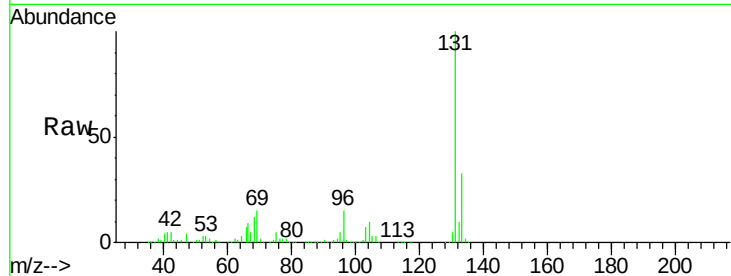
Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC



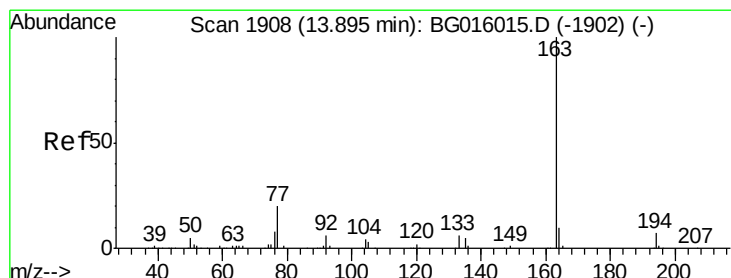
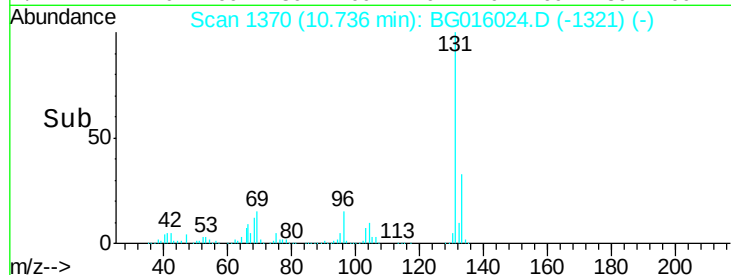
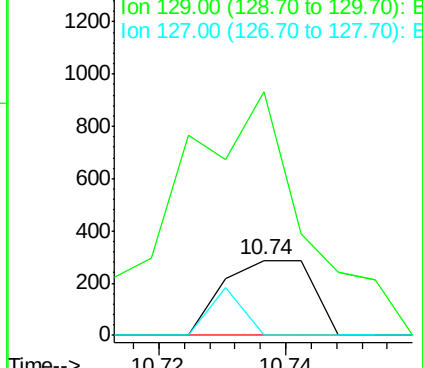


#26
Naphthalene
Concen: 0.01 ng/ul
RT: 10.74 min Scan# 1370
Delta R.T. 0.09 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

Tgt Ion:128 Resp: 279
Ion Ratio Lower Upper
128 100
129 324.7 8.7 13.1#
127 0.0 10.4 15.6#

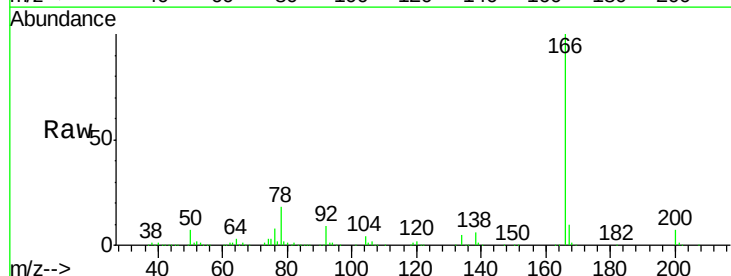


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

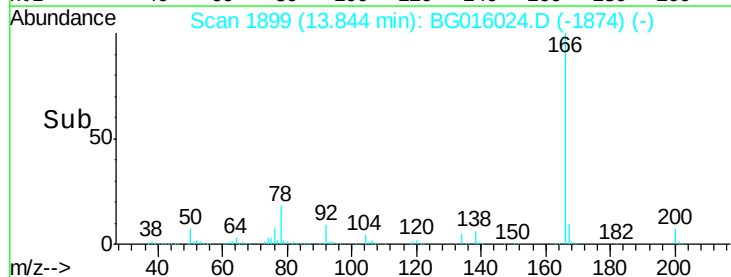
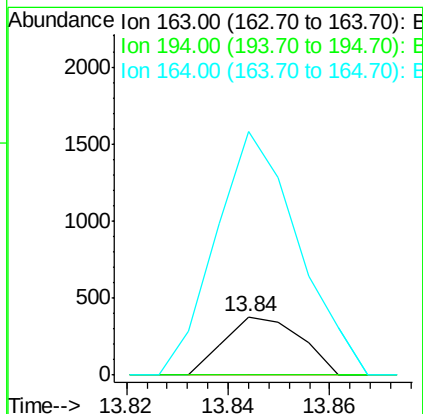


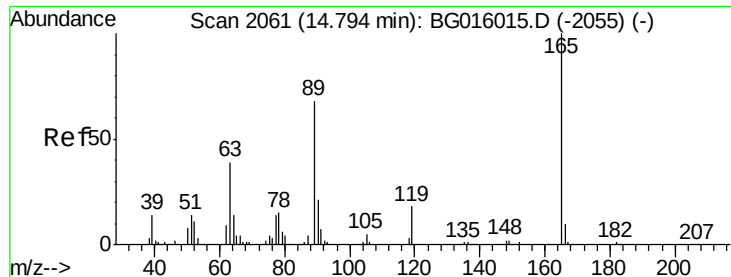
#42
Dimethylphthalate
Concen: 0.02 ng/ul
RT: 13.84 min Scan# 1899
Delta R.T. -0.05 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

Tgt Ion:163 Resp: 398
Ion Ratio Lower Upper
163 100
194 0.0 5.3 7.9#
164 416.9 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





#52

2,4-Dinitrotoluene

Concen: 0.01 ng/ul

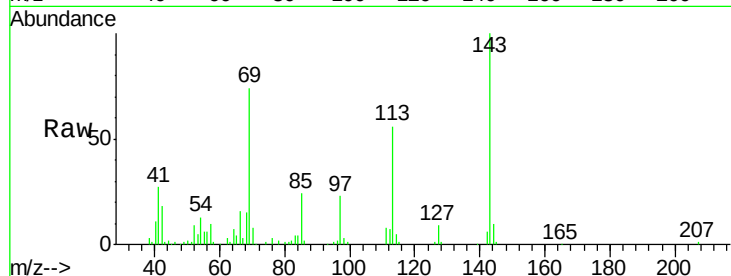
RT: 14.63 min Scan# 2033

Delta R.T. -0.16 min

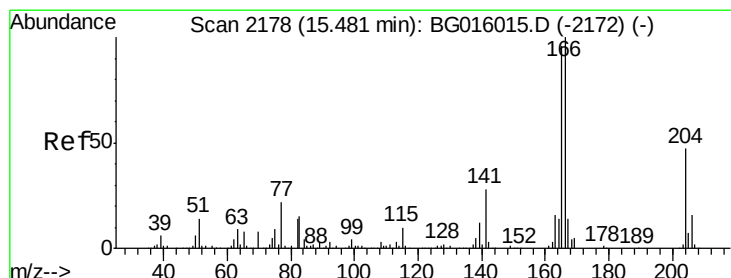
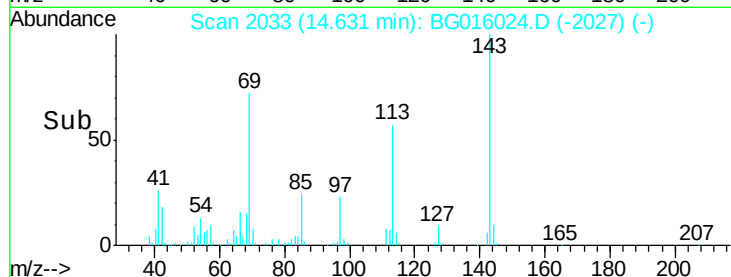
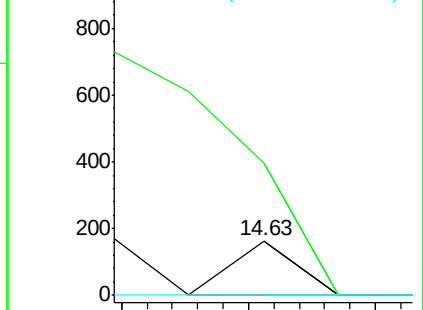
Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

Tgt Ion:	165	Resp:	58
Ion	Ratio	Lower	Upper
165	100		
63	240.9	28.0	42.0#
182	0.0	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: 0.08 ng/ul

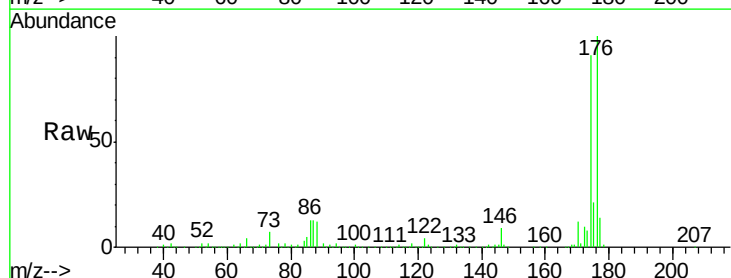
RT: 15.43 min Scan# 2169

Delta R.T. -0.05 min

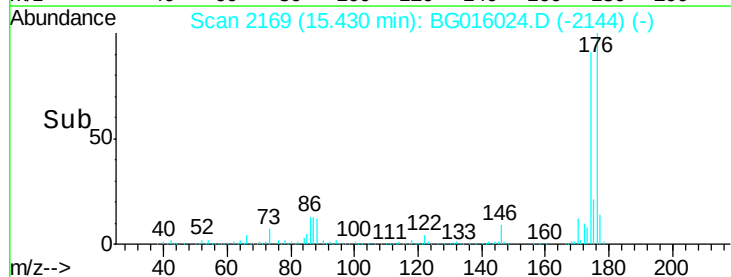
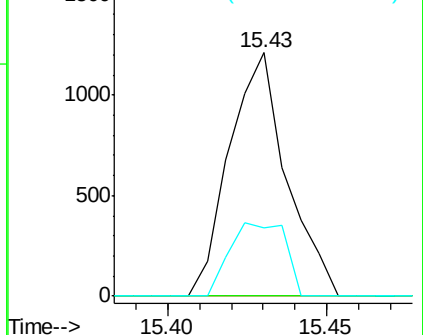
Lab File: BG016024.D

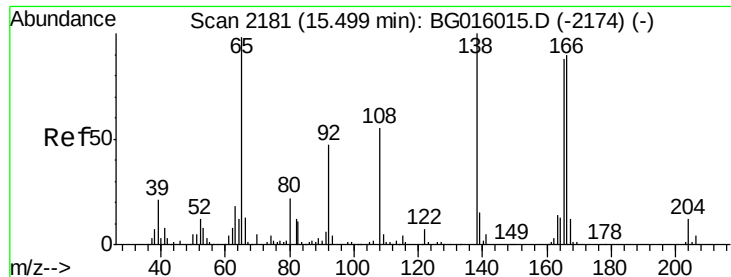
Acq: 20 Feb 2015 5:47

Tgt Ion:	166	Resp:	1517
Ion	Ratio	Lower	Upper
166	100		
165	0.0	75.4	113.2#
167	27.9	11.0	16.4#



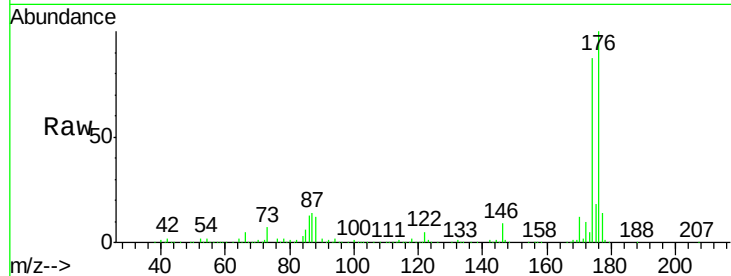
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



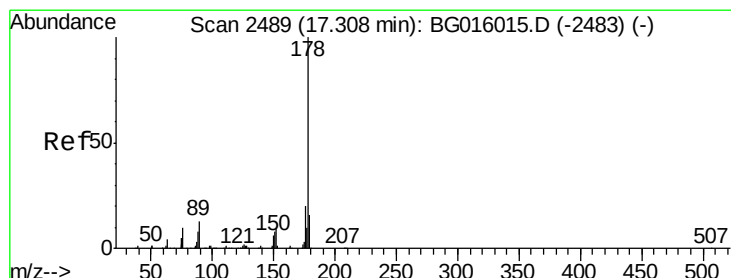
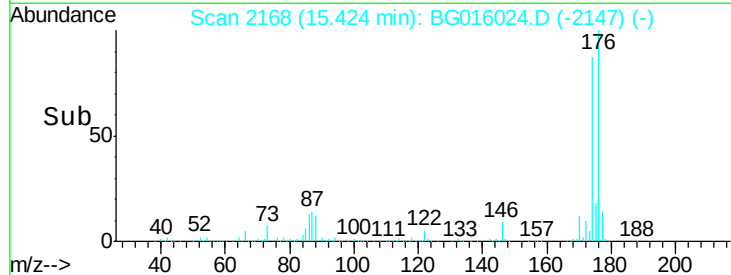
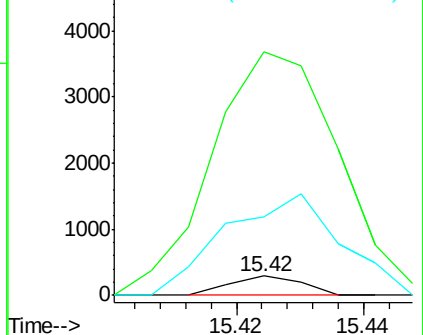


#58
4-Nitroaniline
Concen: 0.05 ng/ul
RT: 15.42 min Scan# 2168
Delta R.T. -0.07 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

Tgt Ion:138 Resp: 232
Ion Ratio Lower Upper
138 100
92 1278.1 38.1 57.1#
108 409.4 46.4 69.6#

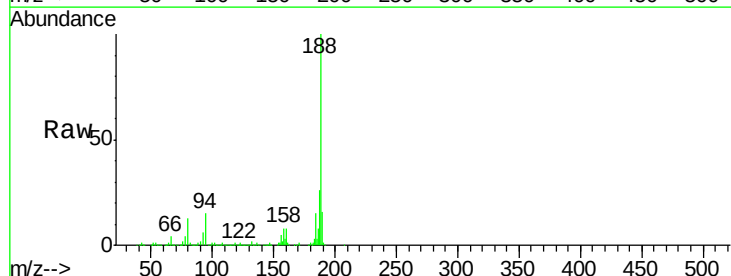


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

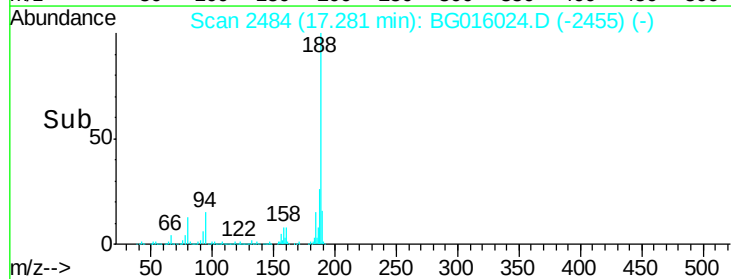
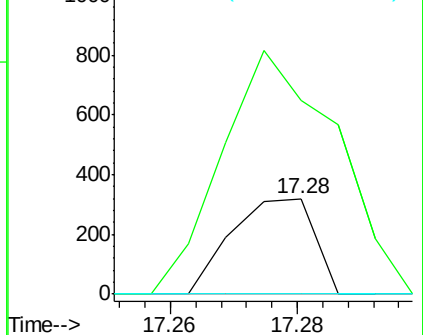


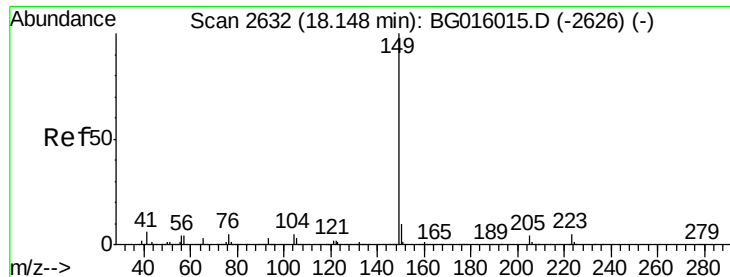
#69
Anthracene
Concen: 0.01 ng/ul
RT: 17.28 min Scan# 2484
Delta R.T. -0.03 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

Tgt Ion:178 Resp: 289
Ion Ratio Lower Upper
178 100
179 201.9 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





#73

Di-n-butylphthalate

Concen: 0.00 ng/ul

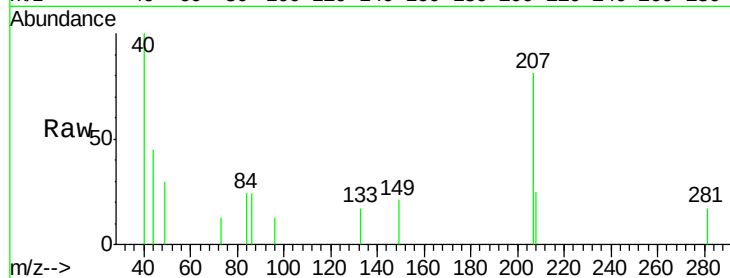
RT: 18.15 min Scan# 2632

Delta R.T. 0.00 min

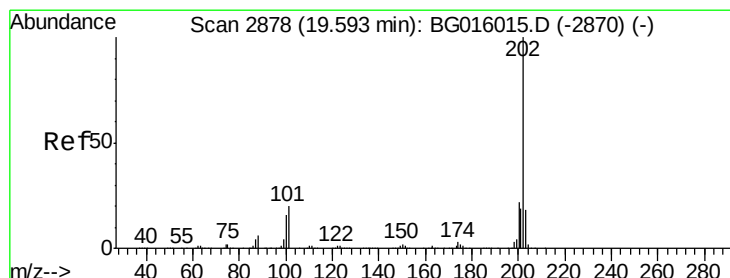
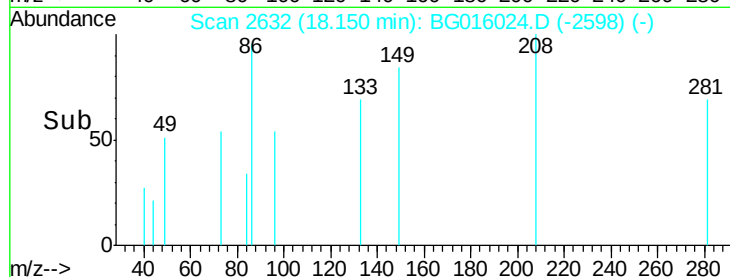
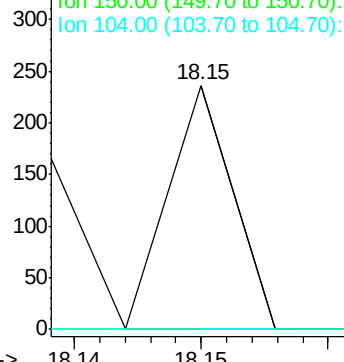
Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

Tgt Ion:	149	Resp:	83
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

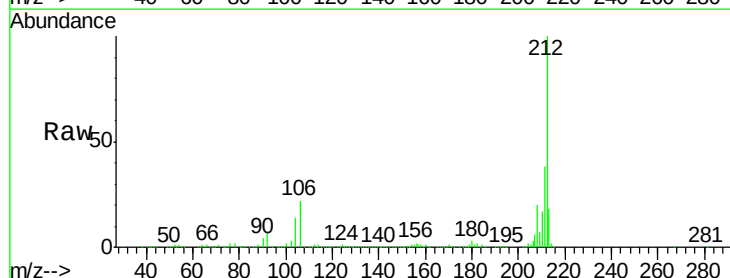
RT: 19.57 min Scan# 2874

Delta R.T. -0.02 min

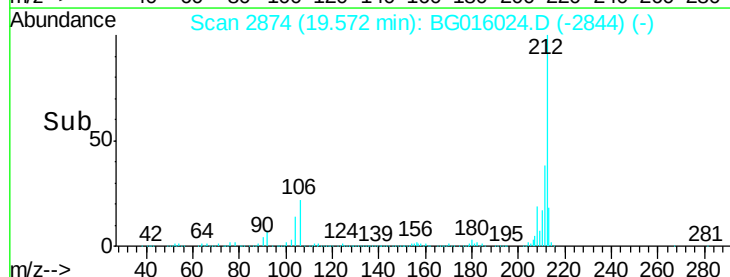
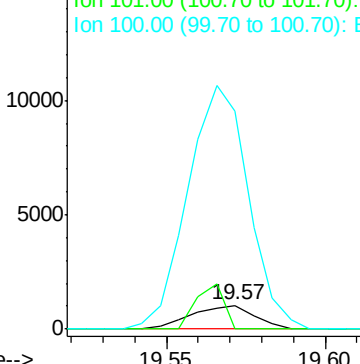
Lab File: BG016024.D

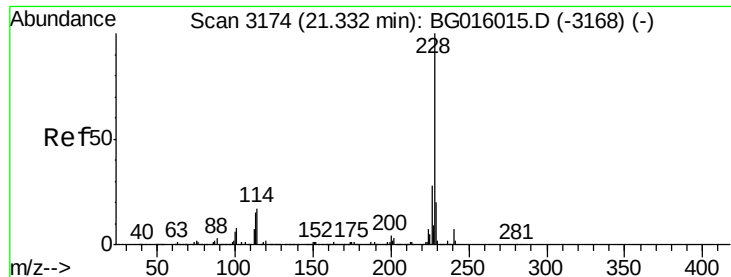
Acq: 20 Feb 2015 5:47

Tgt Ion:	202	Resp:	1449
Ion Ratio	Lower	Upper	
202	100		
101	0.0	15.8	23.8#
100	923.9	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

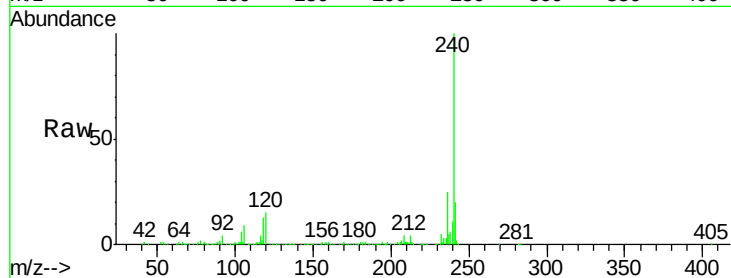
RT: 21.35 min Scan# 3177

Delta R.T. 0.02 min

Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

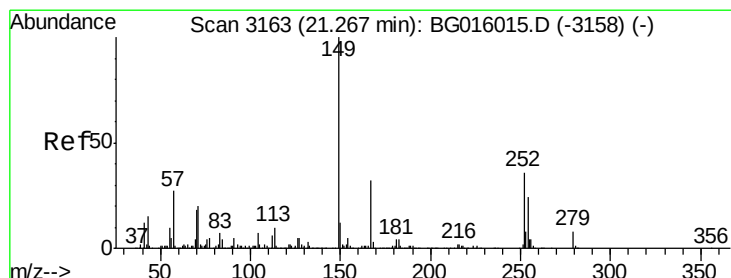
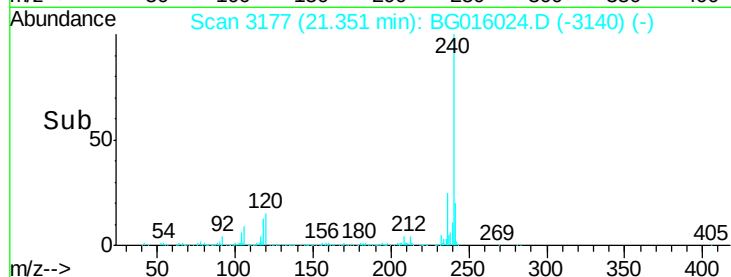
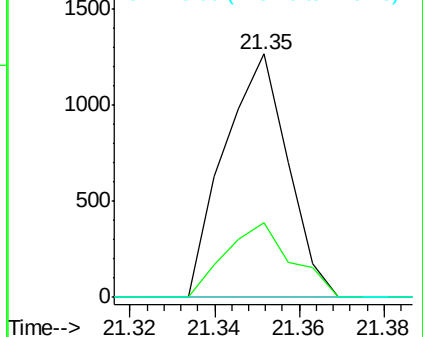
Tgt Ion:	228	Resp:	1322
Ion	Ratio	Lower	Upper
228	100		
229	30.6	16.4	24.6#
226	0.0	22.8	34.2#



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: 0.00 ng/ul

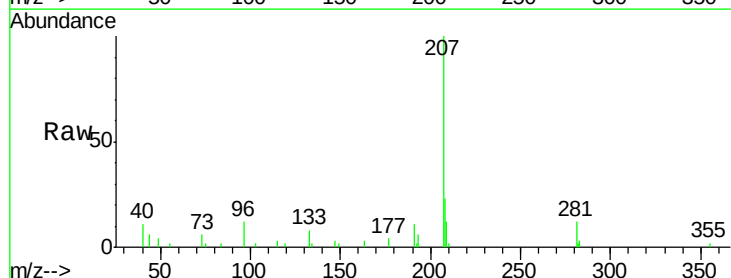
RT: 21.30 min Scan# 3169

Delta R.T. 0.04 min

Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

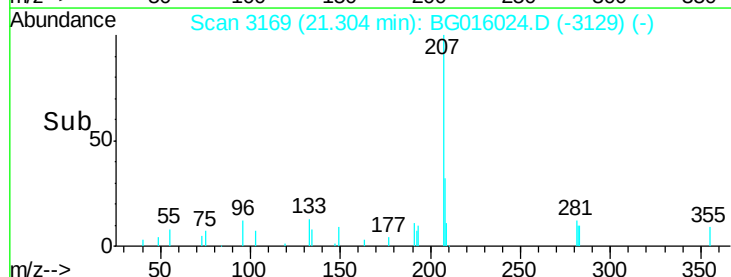
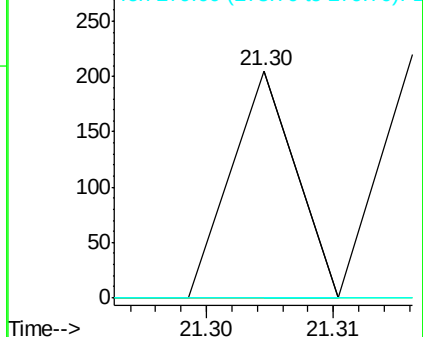
Tgt Ion:	149	Resp:	72
Ion	Ratio	Lower	Upper
149	100		
167	0.0	25.5	38.3#
279	0.0	6.0	9.0#

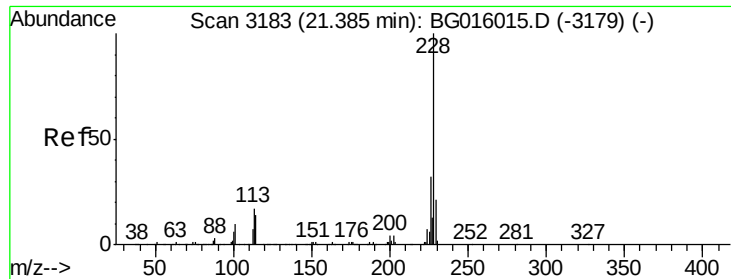


Abundance Ion 149.00 (148.70 to 149.70): E

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. -0.03 min

Lab File: BG016024.D

Acq: 20 Feb 2015 5:47

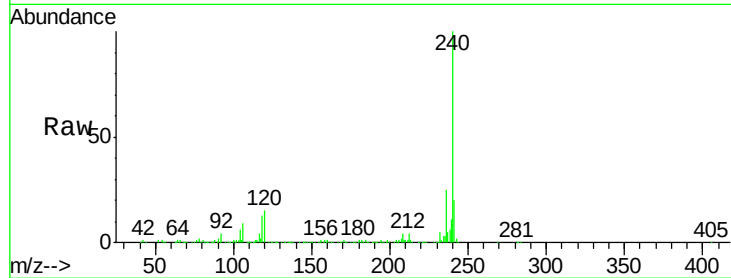
Tgt Ion: 228 Resp: 1322

Ion Ratio Lower Upper

228 100

226 0.0 24.7 37.1#

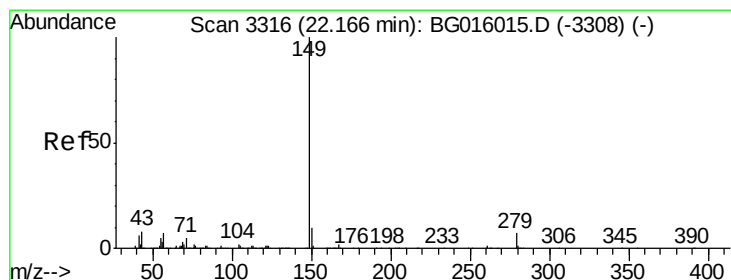
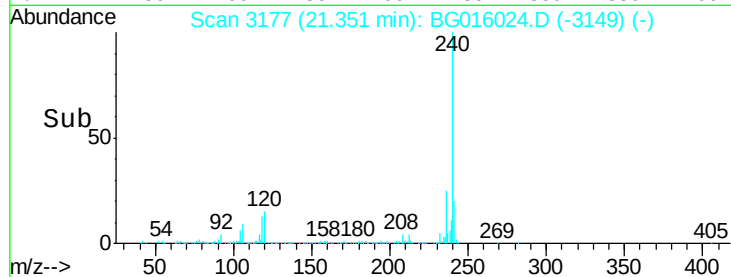
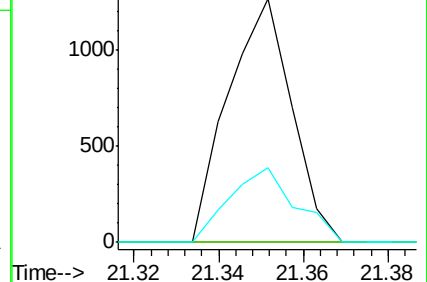
229 30.6 17.0 25.6#



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

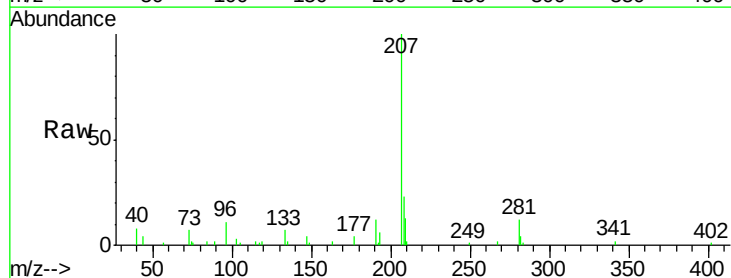
RT: 22.17 min Scan# 3316

Delta R.T. 0.00 min

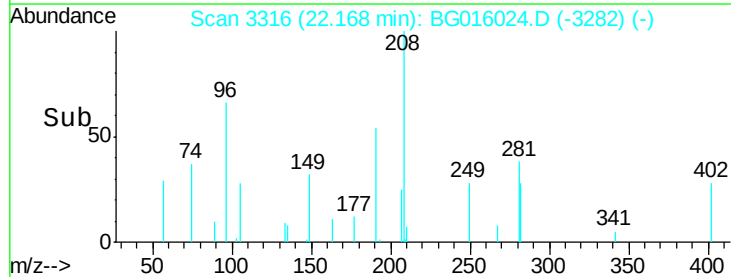
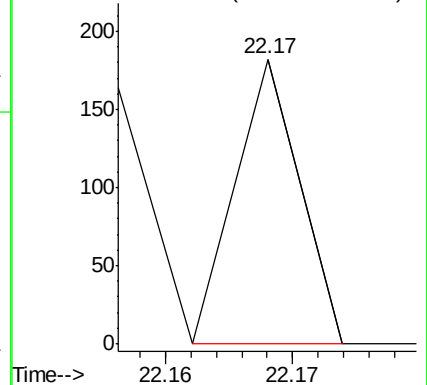
Lab File: BG016024.D

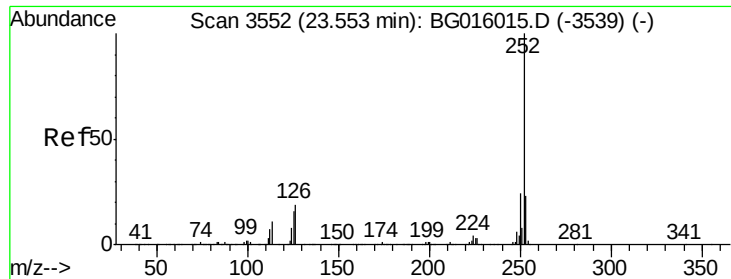
Acq: 20 Feb 2015 5:47

Tgt Ion: 149 Resp: 64



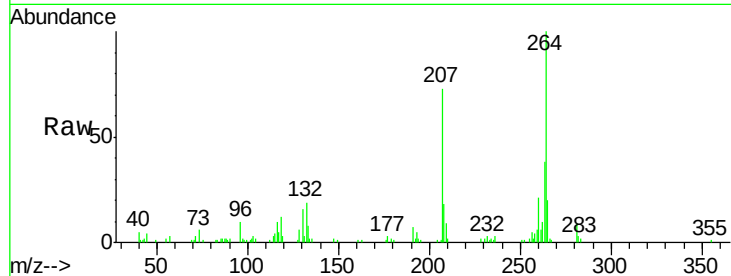
Abundance Ion 149.00 (148.70 to 149.70): E



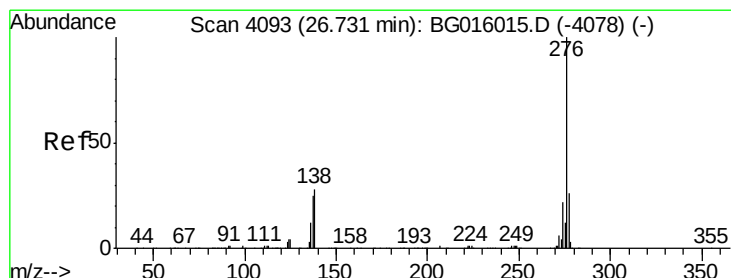
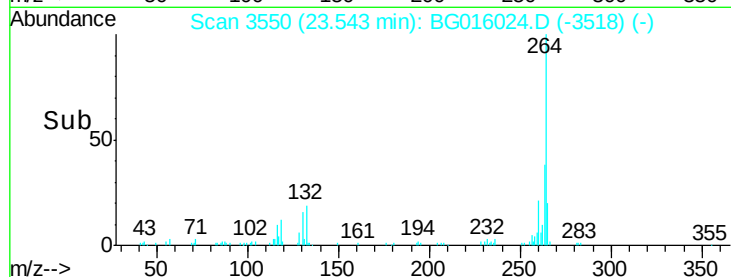
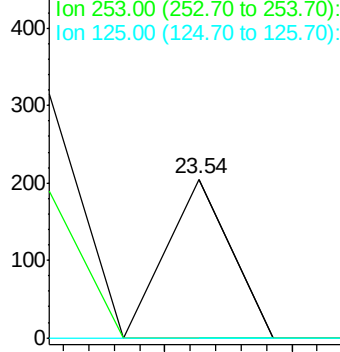


#88
Benzo(a)pyrene
Concen: 0.00 ng/ul
RT: 23.54 min Scan# 3550
Delta R.T. -0.01 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

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

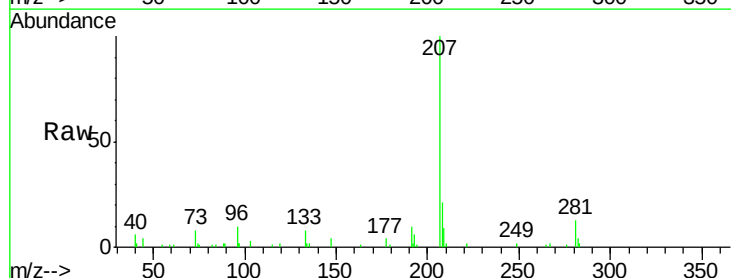


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.74 min Scan# 4094
Delta R.T. 0.01 min
Lab File: BG016024.D
Acq: 20 Feb 2015 5:47

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

