

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021653.D
 Acq On : 14 Apr 2016 15:18
 Operator : UM/SJ
 Sample : H2512-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ACF-GW-1

Quant Time: Apr 15 00:51:32 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	33199	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	143807	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	88209	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	210322	20.00	ng	0.00
75) Chrysene-d12	21.82	240	252402	20.00	ng	-0.01
86) Perylene-d12	25.16	264	241937	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	136235	68.34	ng	0.00
7) Phenol-d6	7.36	99	120408	40.43	ng	0.00
23) Nitrobenzene-d5	9.39	82	274640	98.16	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	147205	154.84	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	615105	102.17	ng	0.00
78) Terphenyl-d14	20.14	244	844897	83.53	ng	0.00

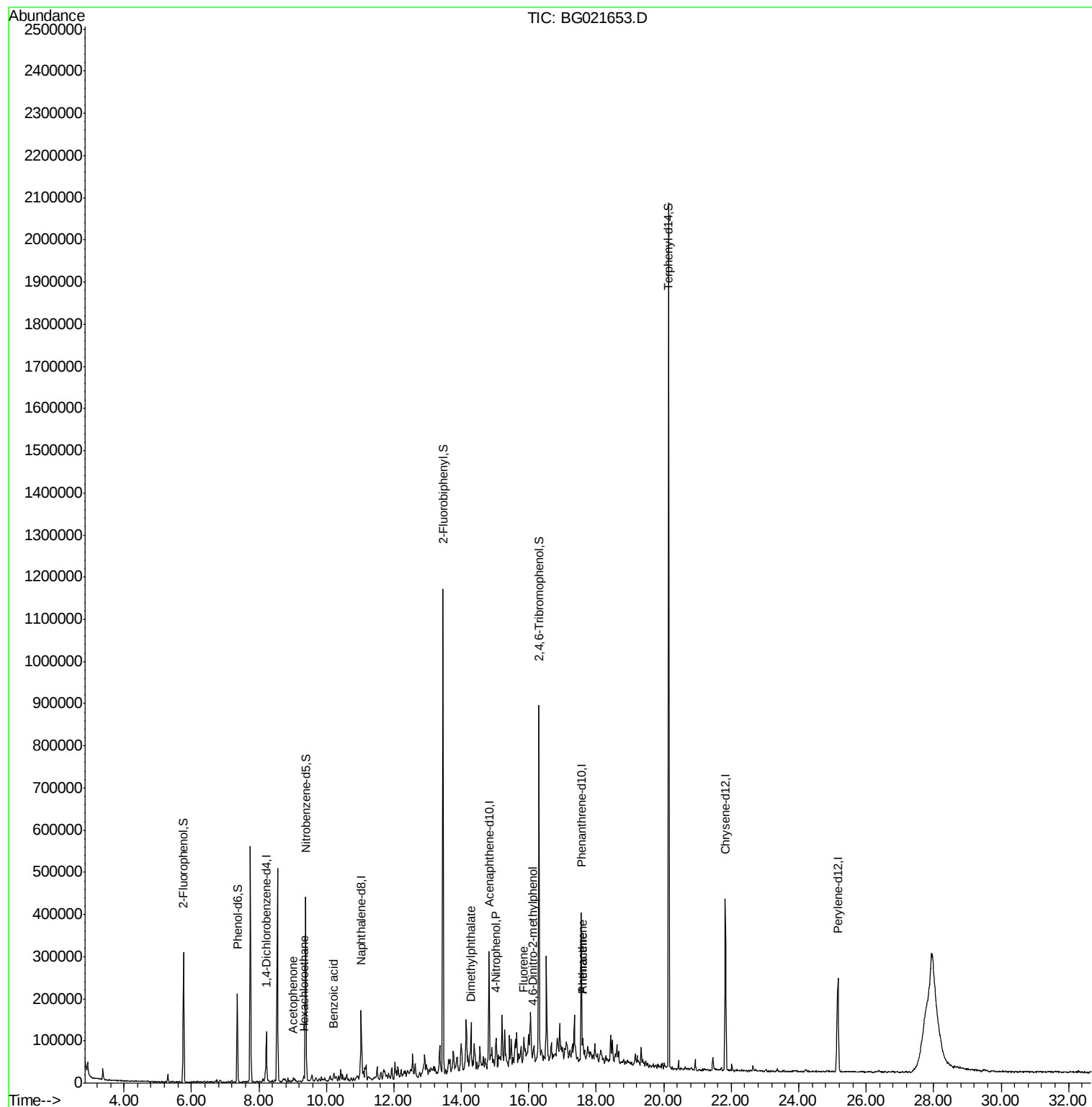
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.33	117	2550	2.58	ng	# 48
22) Acetophenone	9.02	105	8229	2.05	ng	# 54
32) Benzoic acid	10.23	122	57	4.31	ng	# 1
49) Dimethylphthalate	14.27	163	16908	2.22	ng	# 97
55) 4-Nitrophenol	15.02	139	3881	2.81	ng	# 30
57) Fluorene	15.86	166	15672	2.21	ng	# 87
64) 4,6-Dinitro-2-methylphenol	16.12	198	62	5.46	ng	# 1
70) Phenanthrene	17.60	178	30541	2.63	ng	# 93
71) Anthracene	17.60	178	30541	2.60	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.01 min

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Acq: 14 Apr 2016 15:18

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ClientSampleId :

ACF-GW-1

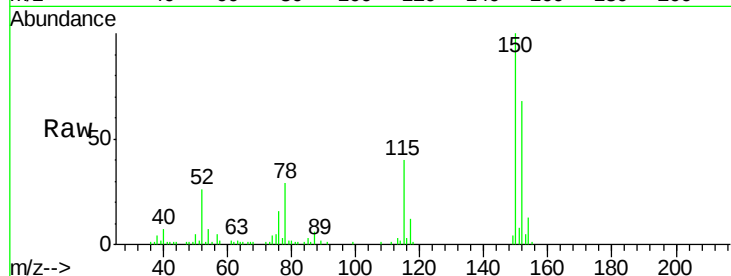
Tgt Ion:152 Resp: 33199

Ion Ratio Lower Upper

152 100

150 147.4 130.1 195.1

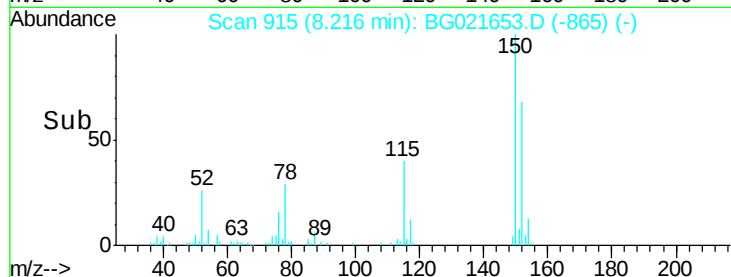
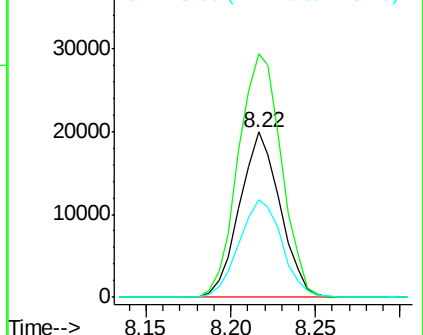
115 59.4 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 68.34 ng

RT: 5.77 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

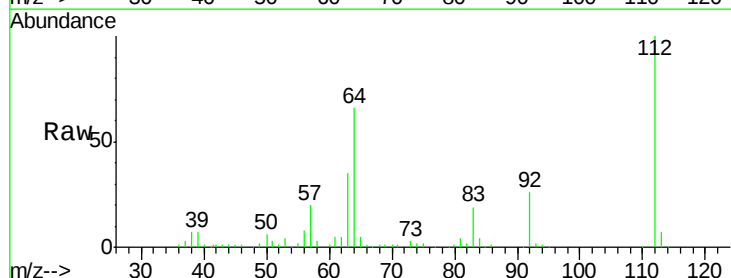
Tgt Ion:112 Resp: 136235

Ion Ratio Lower Upper

112 100

64 66.2 51.1 76.7

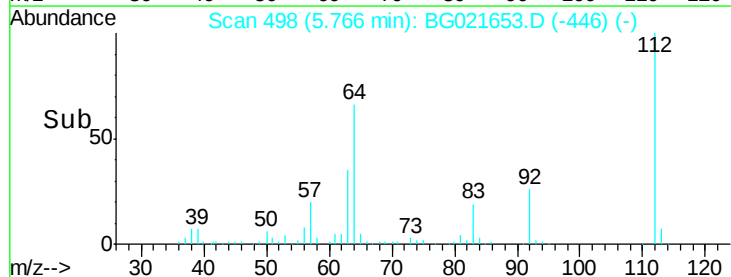
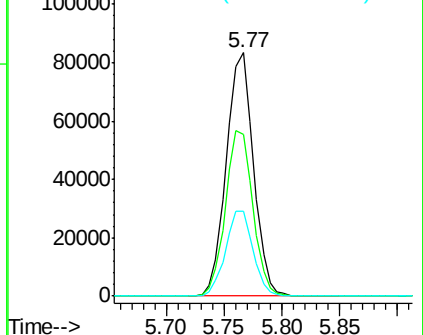
63 35.1 24.6 37.0

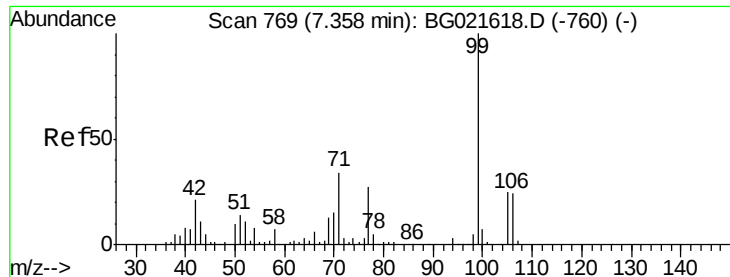


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 40.43 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

Instrument :

BNA_G

ClientSampleId :

ACF-GW-1

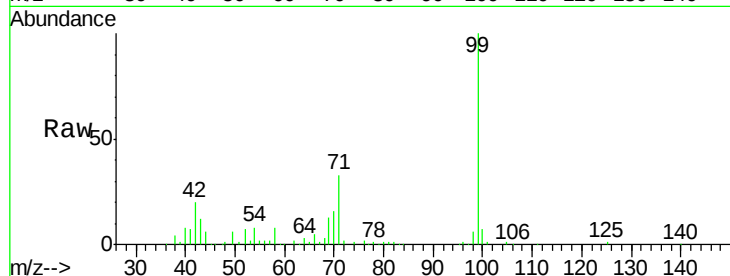
Tgt Ion: 99 Resp: 120408

Ion Ratio Lower Upper

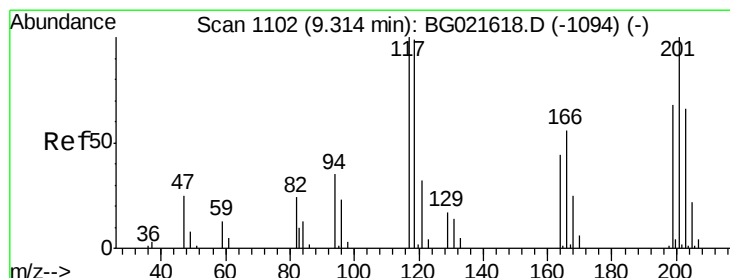
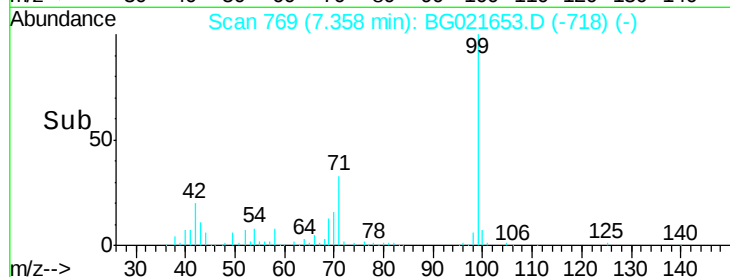
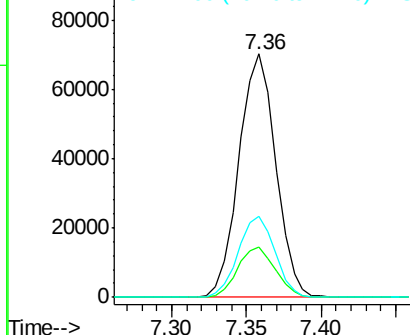
99 100

42 20.5 16.4 24.6

71 33.5 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#18

Hexachloroethane

Concen: 2.58 ng

RT: 9.33 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

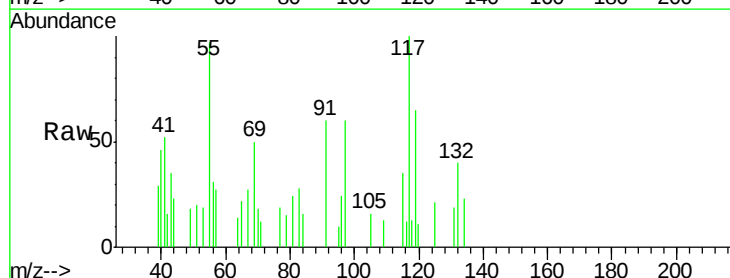
Tgt Ion: 117 Resp: 2550

Ion Ratio Lower Upper

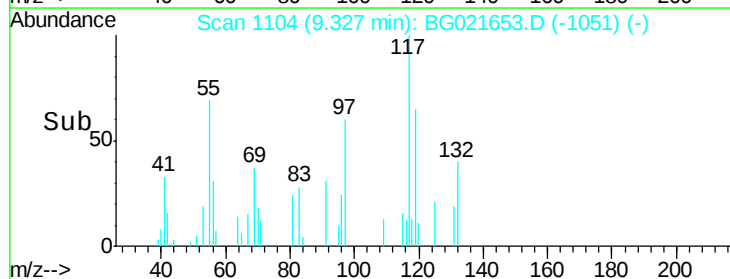
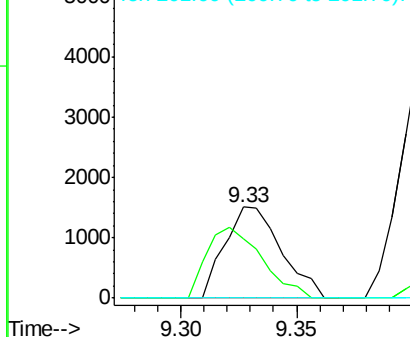
117 100

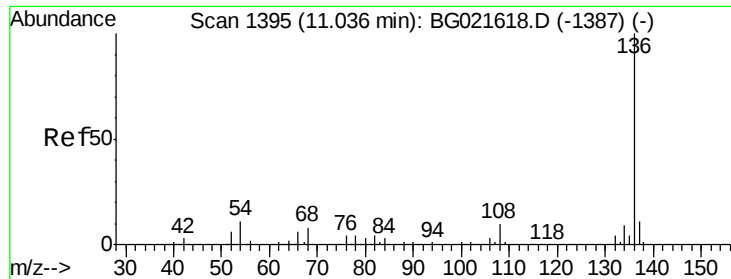
119 64.7 63.9 95.9

201 0.0 61.2 91.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

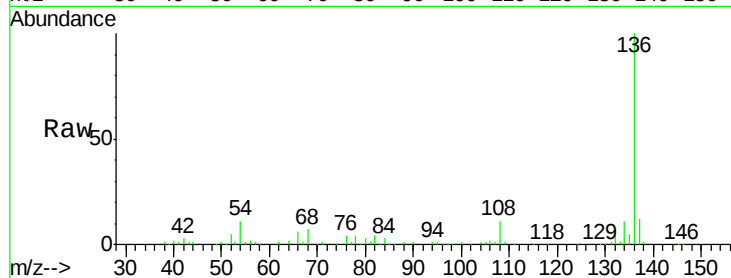




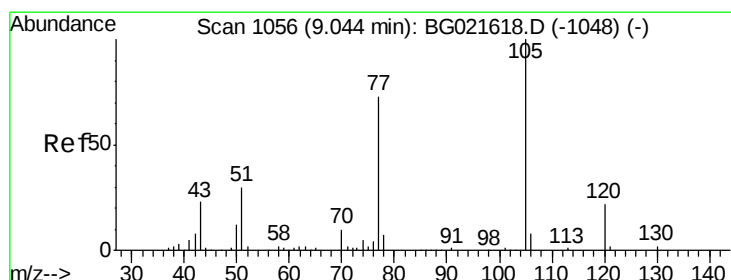
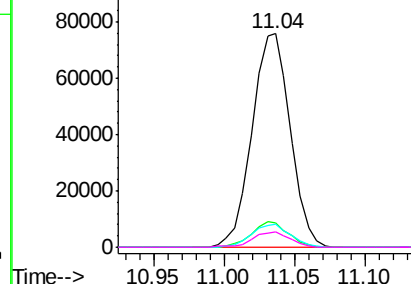
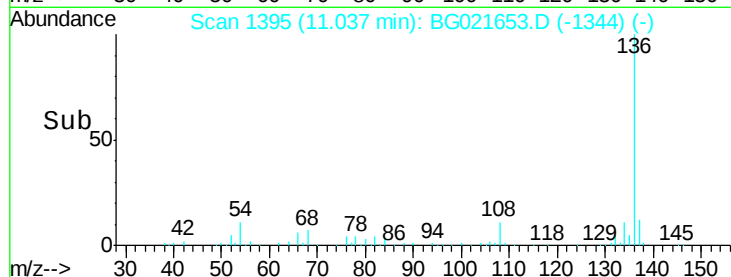
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Instrument :
BNA_G
ClientSampleId :
ACF-GW-1

Tgt Ion:	136	Resp:	143807
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.4
54	10.8	9.6	14.4
68	6.9	6.4	9.6

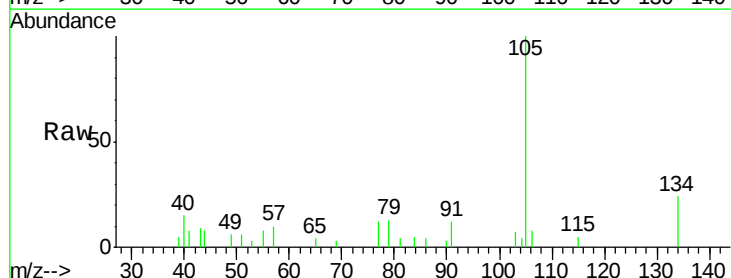


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

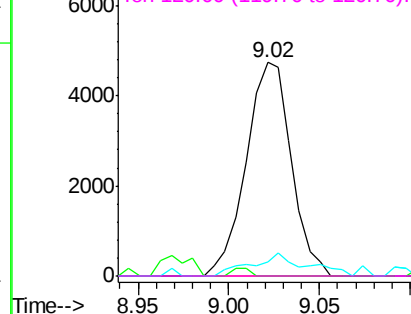
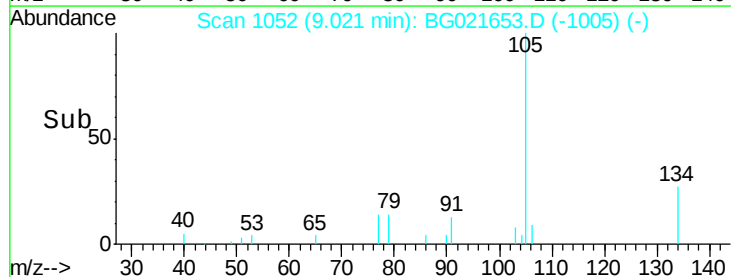


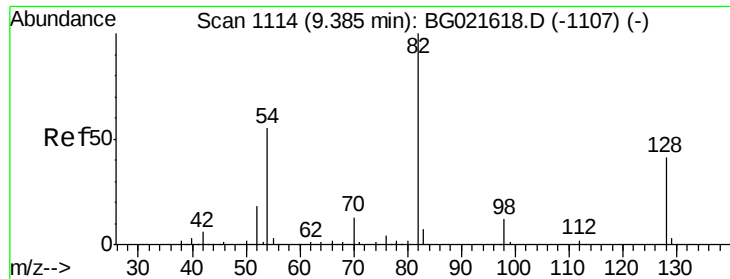
#22
Acetophenone
Concen: 2.05 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.02 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Tgt Ion:	105	Resp:	8229
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	0.0
51	6.4	25.7	38.5#
120	0.0	17.0	25.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

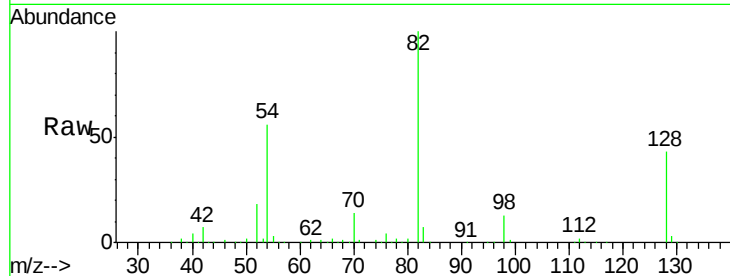




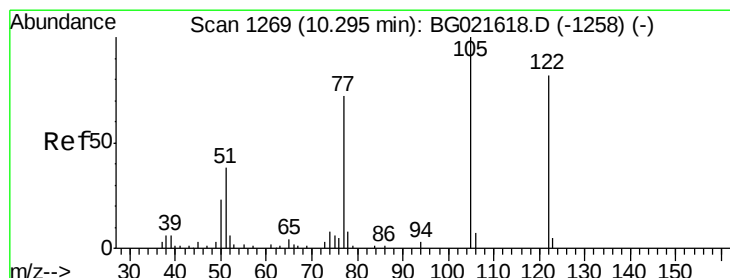
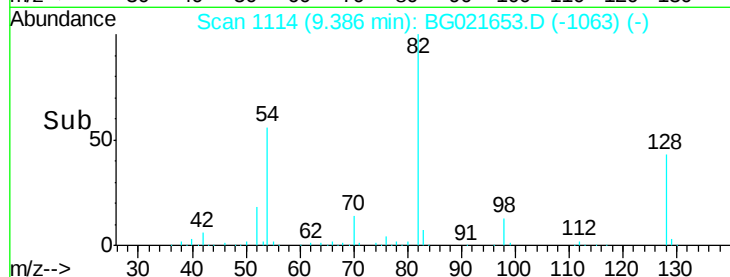
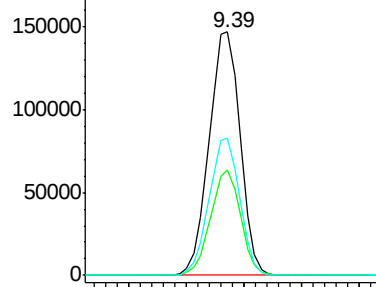
#23
 Nitrobenzene-d5
 Concen: 98.16 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BG021653.D
 Acq: 14 Apr 2016 15:18

Instrument :
 BNA_G
 ClientSampleId :
 ACF-GW-1

Tgt Ion: 82 Resp: 274640
 Ion Ratio Lower Upper
 82 100
 128 43.4 33.4 50.0
 54 56.2 46.1 69.1

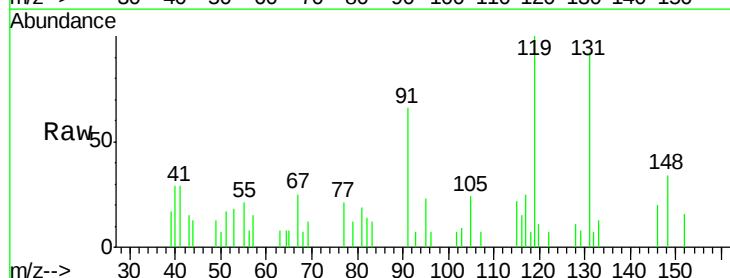


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

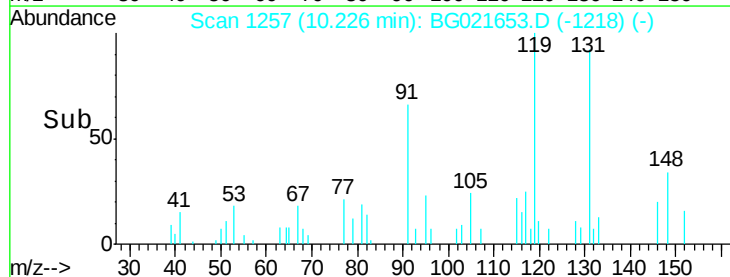
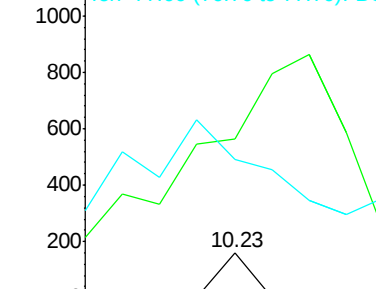


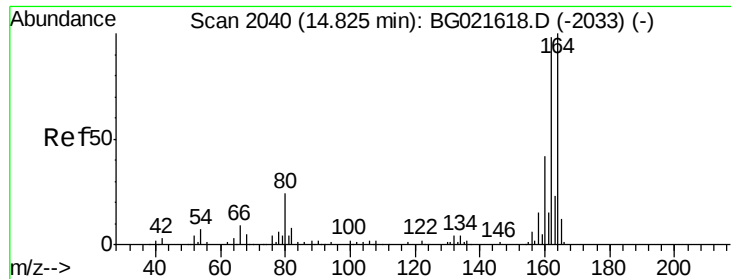
#32
 Benzoic acid
 Concen: 4.31 ng
 RT: 10.23 min Scan# 1257
 Delta R.T. -0.07 min
 Lab File: BG021653.D
 Acq: 14 Apr 2016 15:18

Tgt Ion: 122 Resp: 57
 Ion Ratio Lower Upper
 122 100
 105 348.8 104.5 144.5#
 77 304.3 79.9 119.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

Instrument :

BNA_G

ClientSampleId :

ACF-GW-1

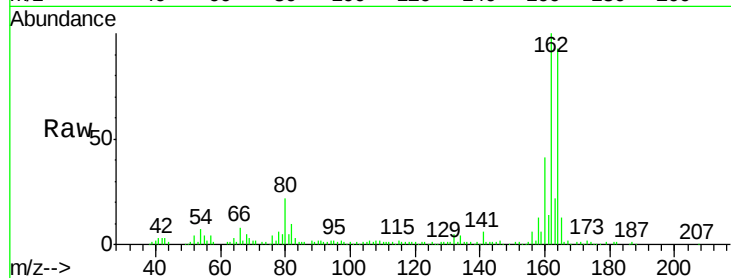
Tgt Ion:164 Resp: 88209

Ion Ratio Lower Upper

164 100

162 107.0 78.0 117.0

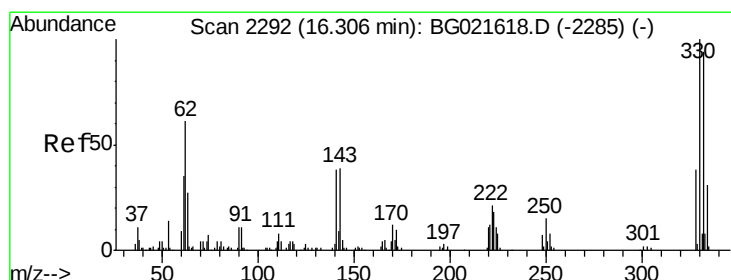
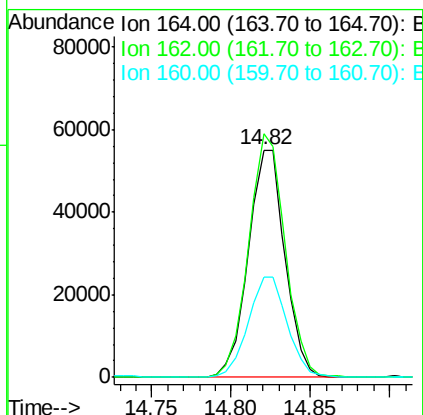
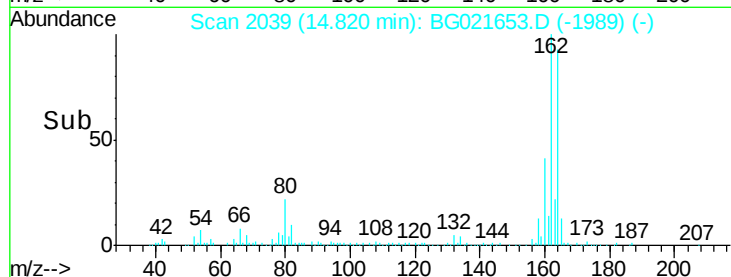
160 44.1 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 154.84 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

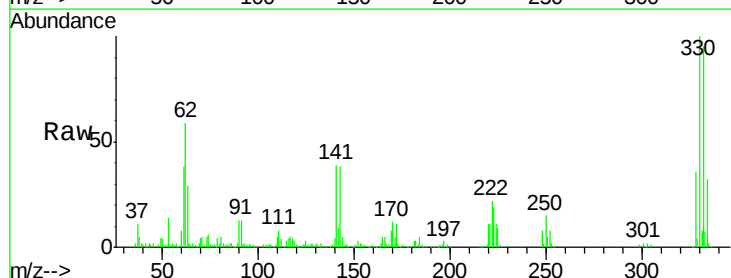
Tgt Ion:330 Resp: 147205

Ion Ratio Lower Upper

330 100

332 94.6 78.0 117.0

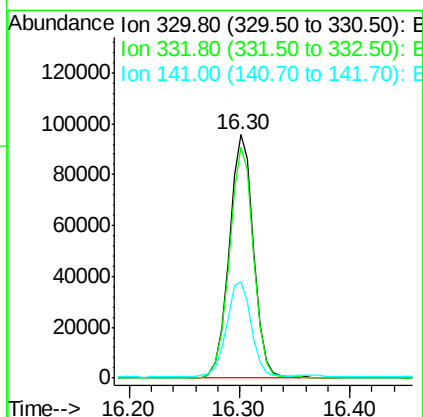
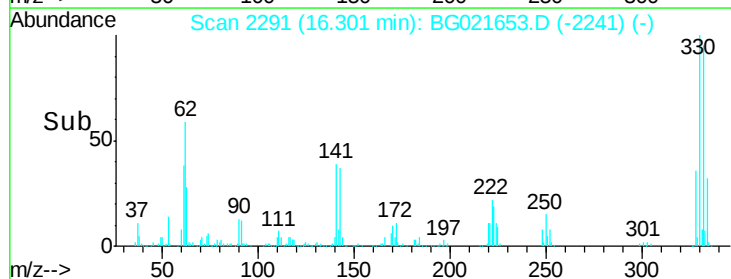
141 40.4 33.8 50.8

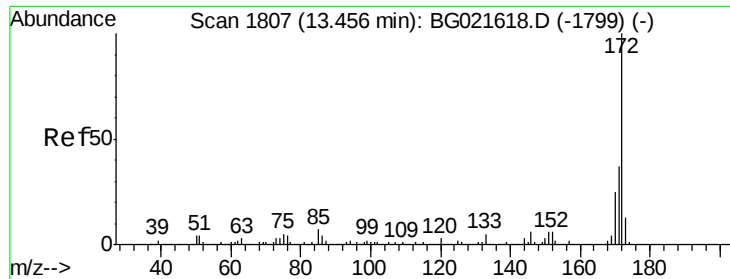


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

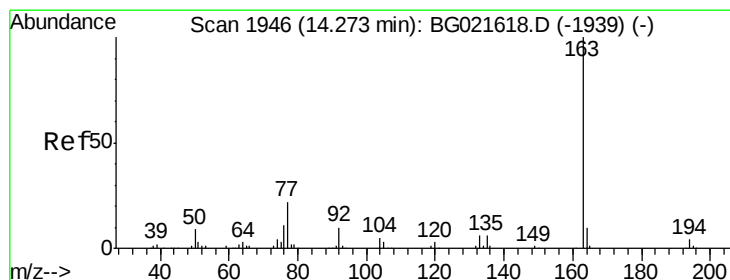
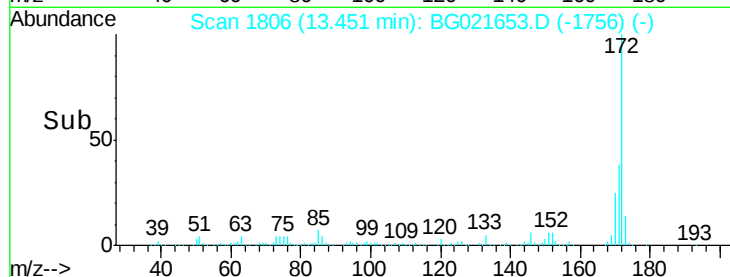
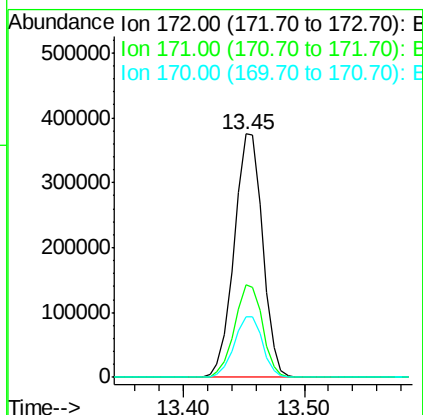
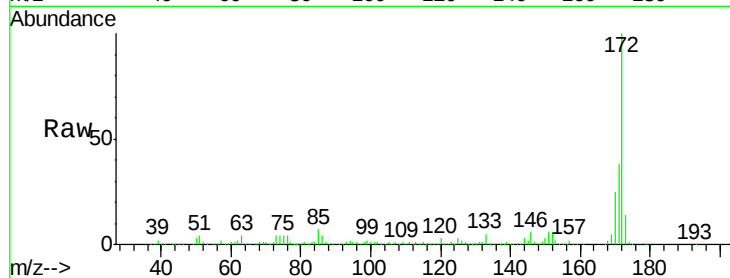




#44
2-Fluorobiphenyl
Concen: 102.17 ng
RT: 13.45 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

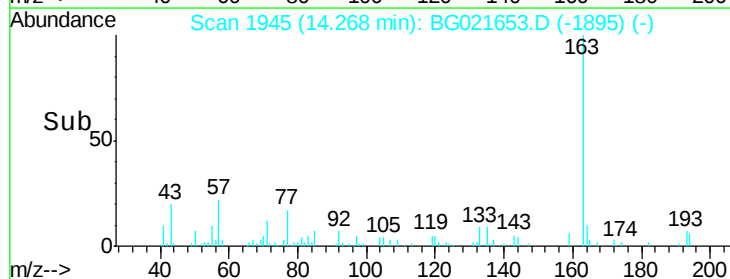
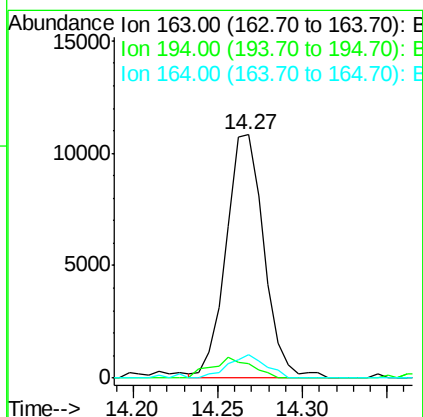
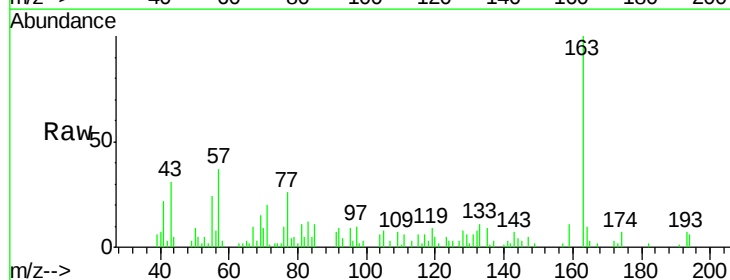
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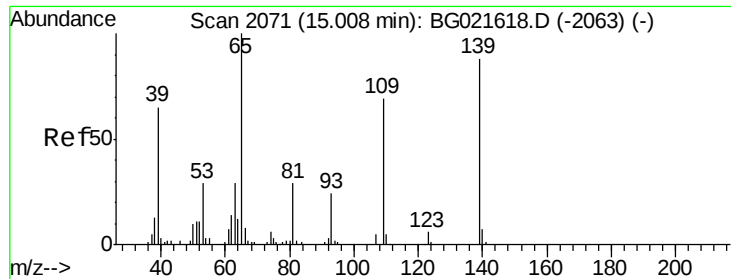
Tgt Ion:172 Resp: 615105
Ion Ratio Lower Upper
172 100
171 37.8 27.8 41.6
170 25.1 19.6 29.4



#49
Dimethylphthalate
Concen: 2.22 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Tgt Ion:163 Resp: 16908
Ion Ratio Lower Upper
163 100
194 6.1 3.0 4.6#
164 9.6 8.1 12.1

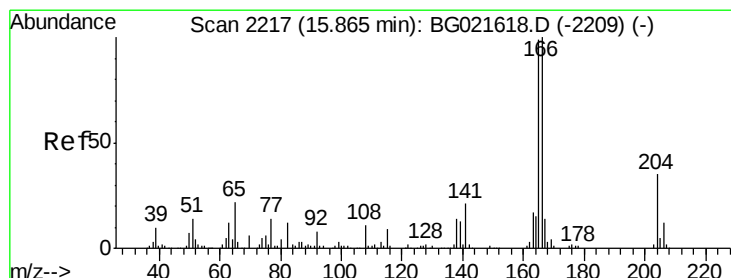
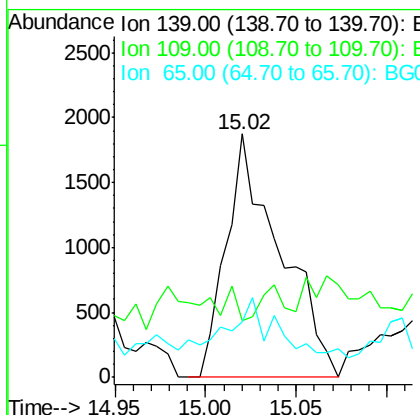
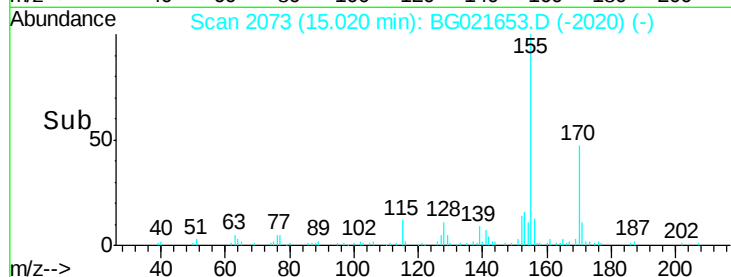
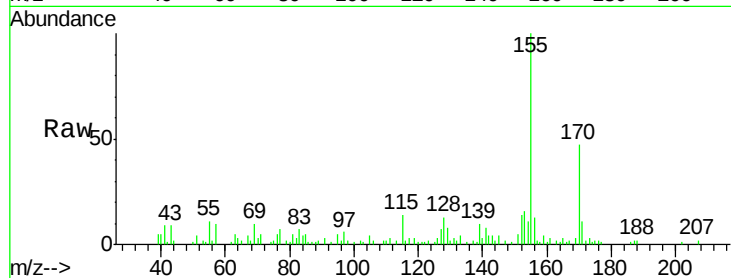




#55
4-Nitrophenol
Concen: 2.81 ng
RT: 15.02 min Scan# 2073
Delta R.T. 0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

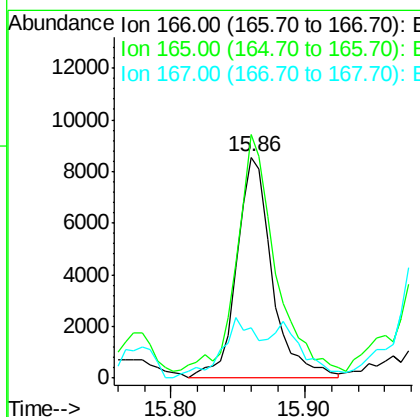
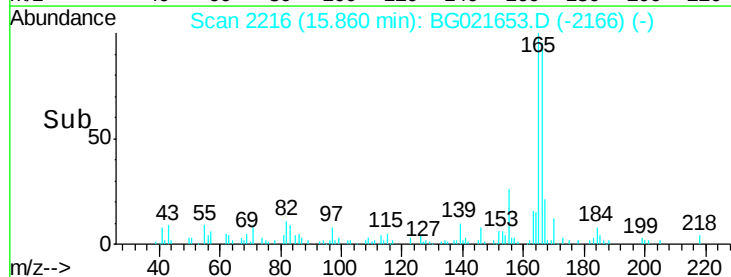
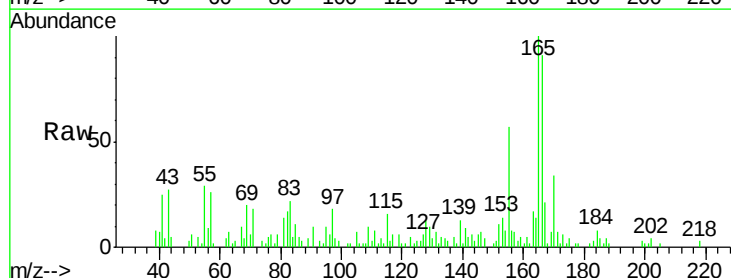
Instrument :
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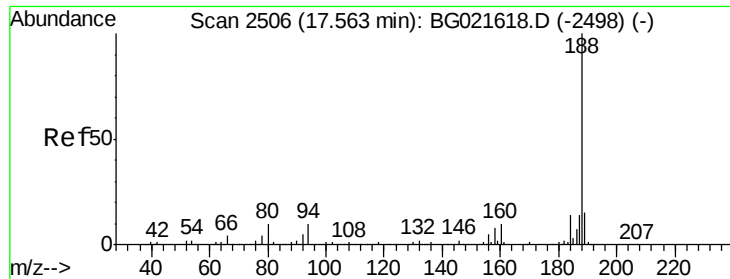
Tgt Ion:139 Resp: 3881
Ion Ratio Lower Upper
139 100
109 23.2 49.2 89.2#
65 22.7 83.2 123.2#



#57
Fluorene
Concen: 2.21 ng
RT: 15.86 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Tgt Ion:166 Resp: 15672
Ion Ratio Lower Upper
166 100
165 110.1 79.0 118.4
167 22.6 10.7 16.1#

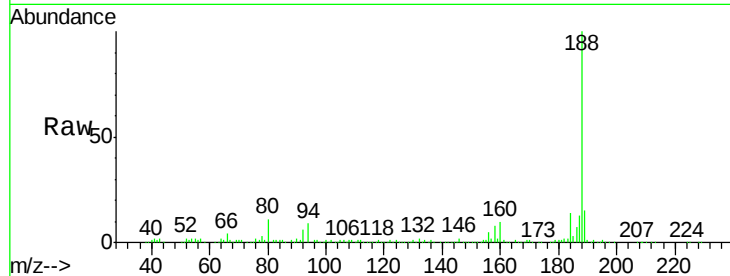




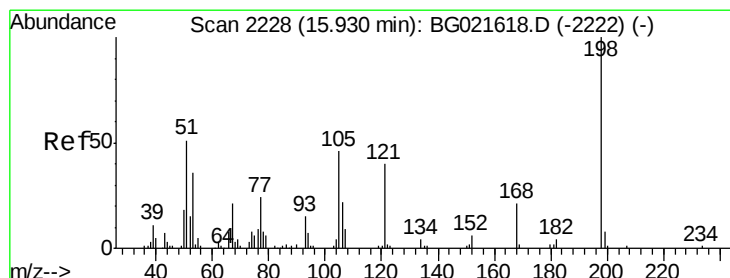
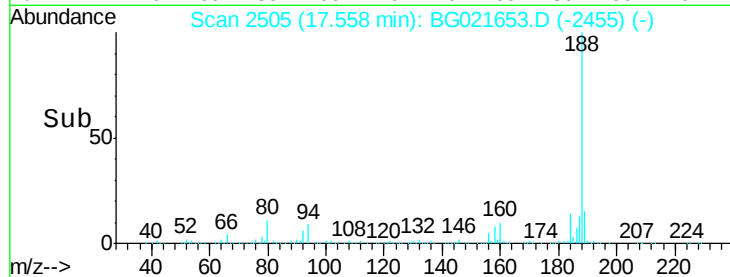
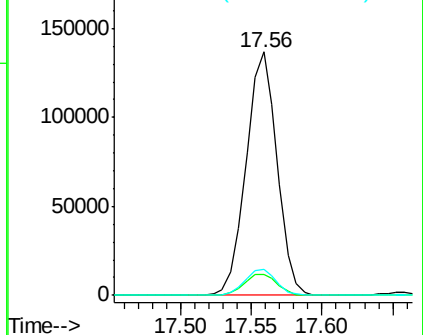
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Instrument :
BNA_G
ClientSampleId :
ACF-GW-1

Tgt Ion:188 Resp: 210322
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 10.7 8.6 13.0

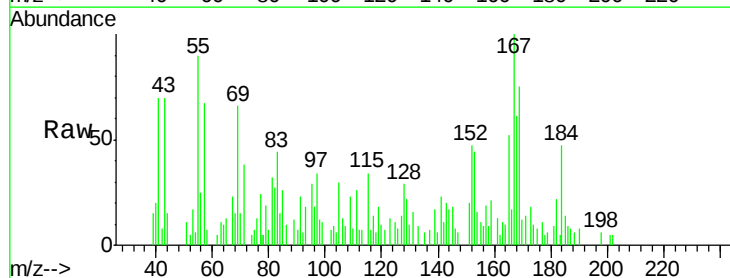


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

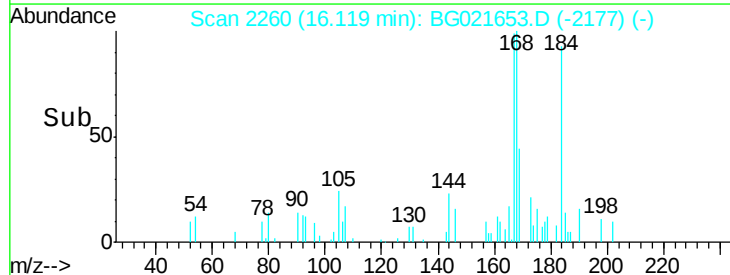
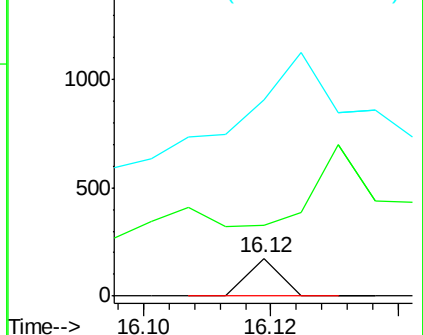


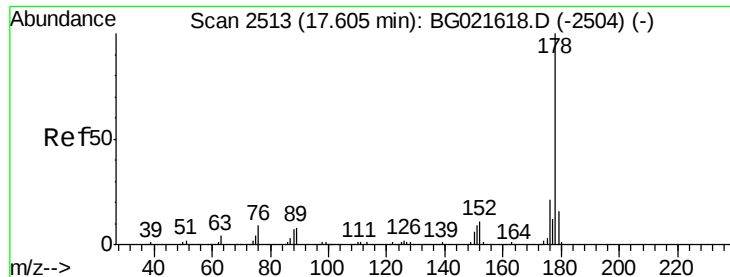
#64
4,6-Dinitro-2-methylphenol
Concen: 5.46 ng
RT: 16.12 min Scan# 2260
Delta R.T. 0.19 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 185.8 29.2 69.2#
105 516.5 24.0 64.0#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 2.63 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

Instrument :

BNA_G

ClientSampleId :

ACF-GW-1

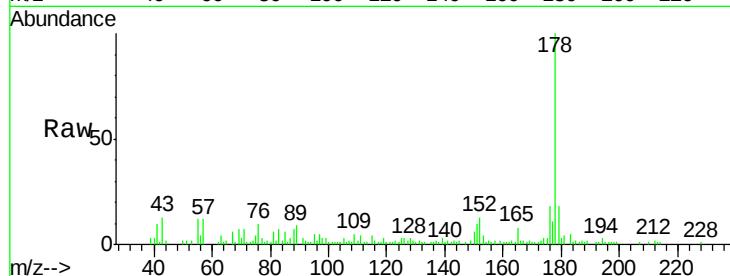
Tgt Ion:178 Resp: 30541

Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

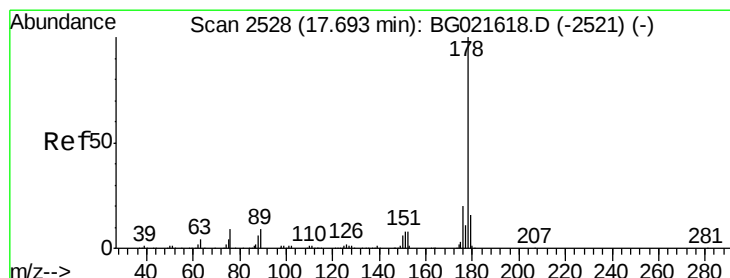
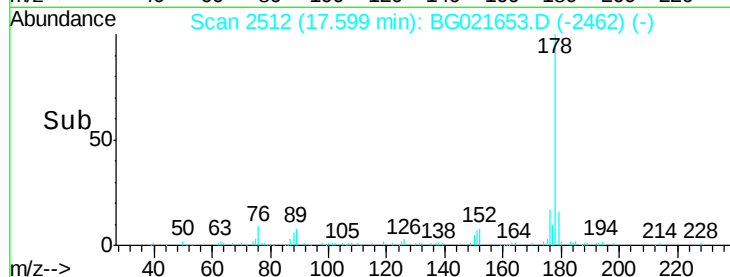
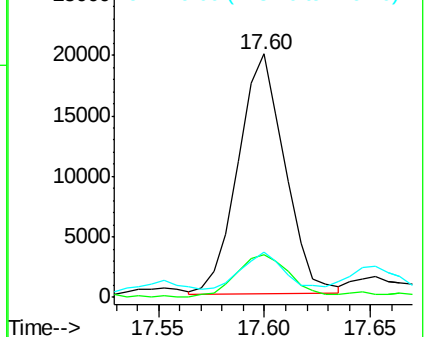
179 18.3 12.0 18.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.60 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.09 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

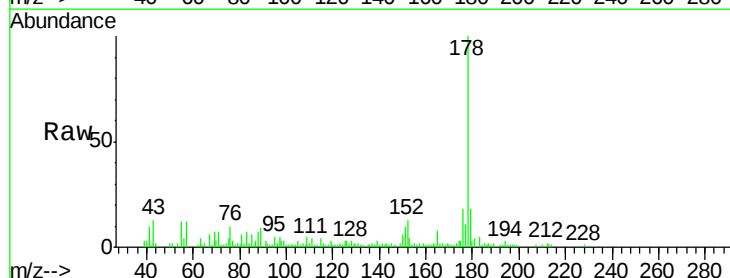
Tgt Ion:178 Resp: 30541

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

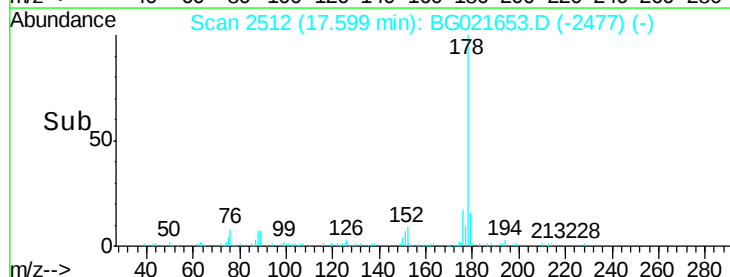
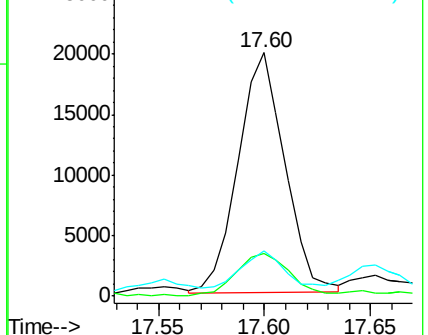
179 18.3 12.2 18.4

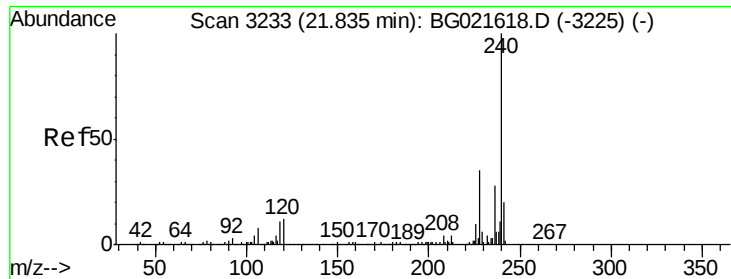


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

Instrument :

BNA_G

ClientSampleId :

ACF-GW-1

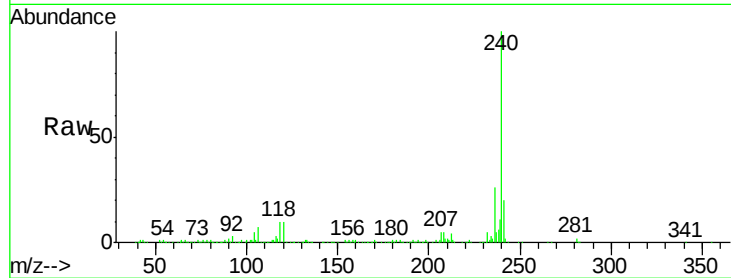
Tgt Ion:240 Resp: 252402

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

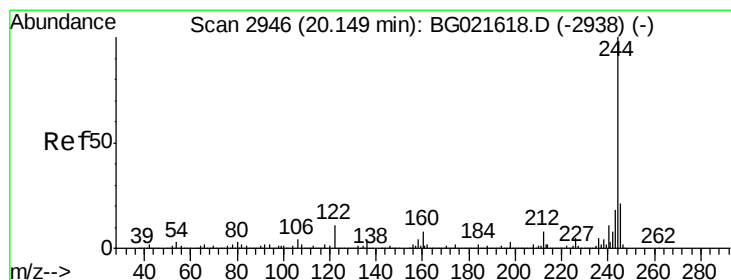
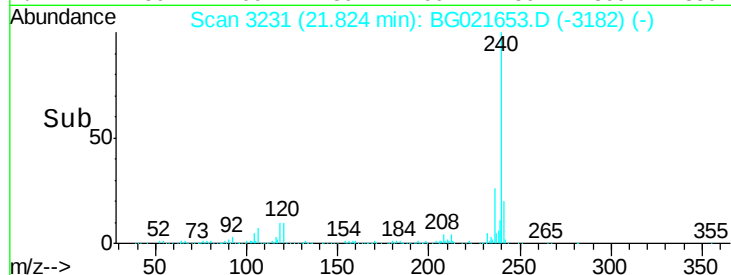
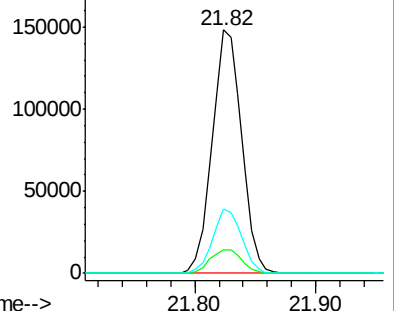
236 26.3 19.6 29.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 83.53 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021653.D

Acq: 14 Apr 2016 15:18

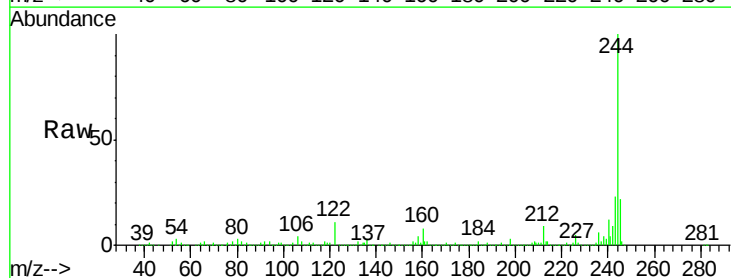
Tgt Ion:244 Resp: 844897

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

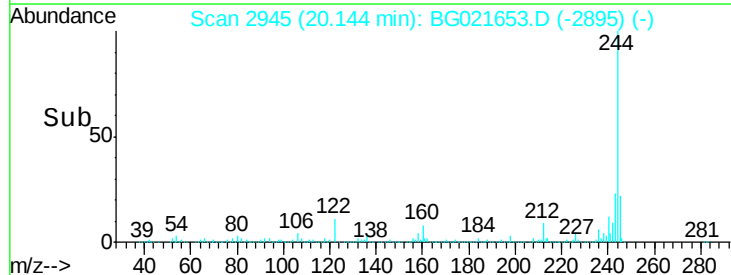
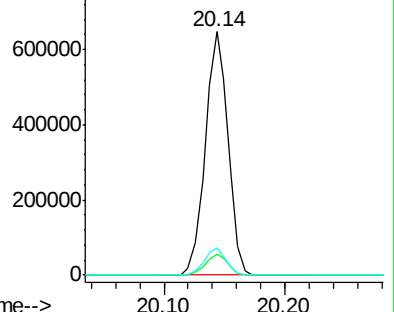
122 11.3 8.6 12.8

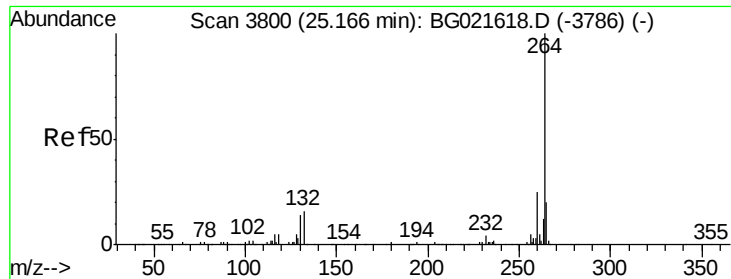


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.16 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BG021653.D
Acq: 14 Apr 2016 15:18

Instrument :
BNA_G
ClientSampleId :
ACF-GW-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.4
265	20.3	17.8	26.8

