

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021647.D
 Acq On : 14 Apr 2016 10:54
 Operator : UM/SJ
 Sample : H2418-02
 Misc : LOD 2PPM
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

Quant Time: Apr 15 00:49:55 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

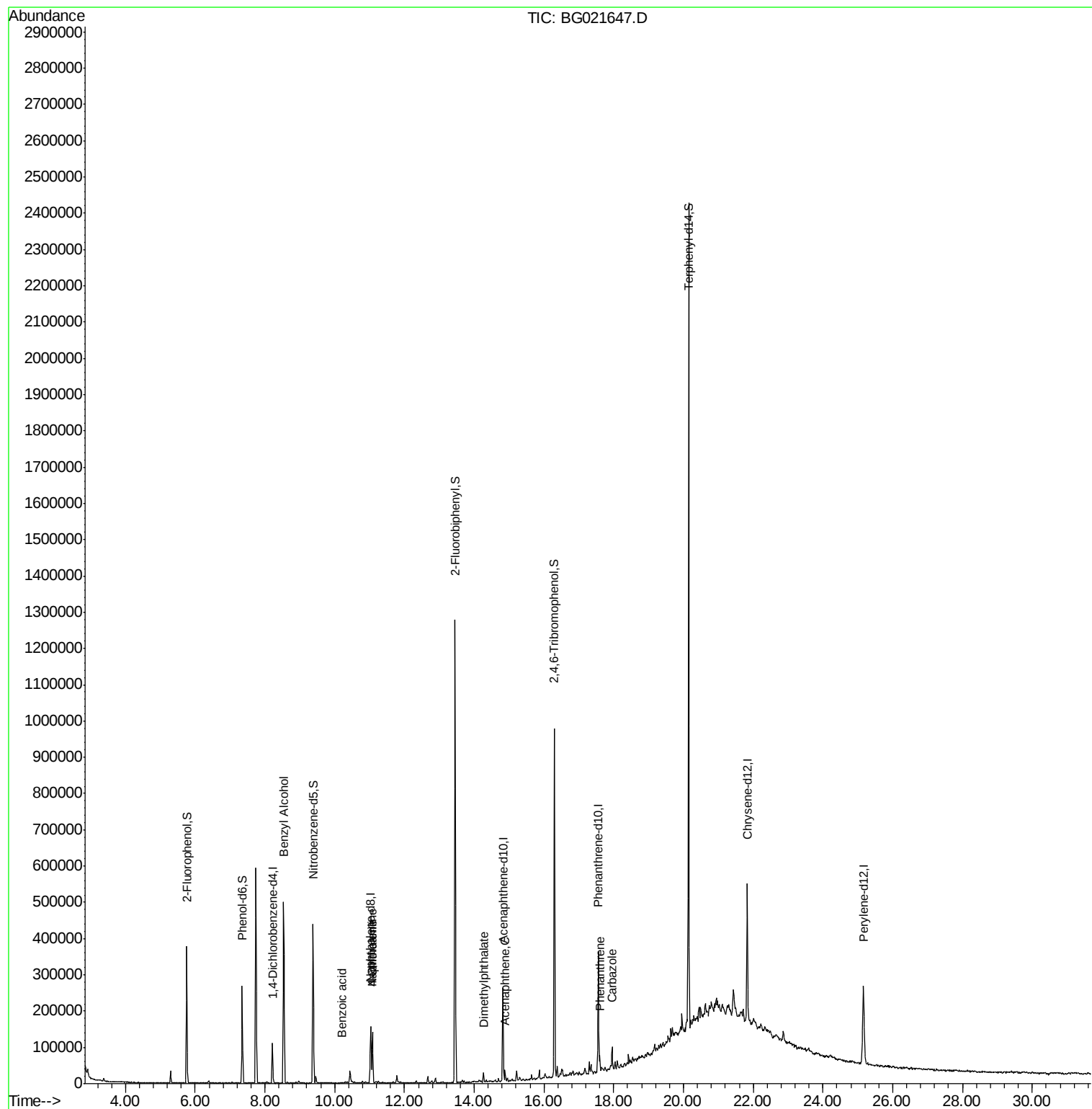
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	29850	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	138881	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	87528	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	205754	20.00	ng	0.00
75) Chrysene-d12	21.83	240	235463	20.00	ng	0.00
86) Perylene-d12	25.16	264	229233	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	162923	90.89	ng	0.00
7) Phenol-d6	7.35	99	157912	58.98	ng	0.00
23) Nitrobenzene-d5	9.38	82	276749	102.42	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	166142	176.12	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	642455	107.54	ng	0.00
78) Terphenyl-d14	20.15	244	939016	99.51	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.54	79	4156	2.03	ng	# 46
31) Naphthalene	11.08	128	104425	14.05	ng	# 95
32) Benzoic acid	10.21	122	740	4.86	ng	# 33
33) 4-Chloroaniline	11.08	127	13984	4.35	ng	# 38
49) Dimethylphthalate	14.27	163	16270	2.15	ng	# 97
51) Acenaphthene	14.89	154	12128	2.10	ng	92
70) Phenanthrene	17.60	178	24208	2.13	ng	94
72) Carbazole	17.95	167	37403	3.48	ng	100

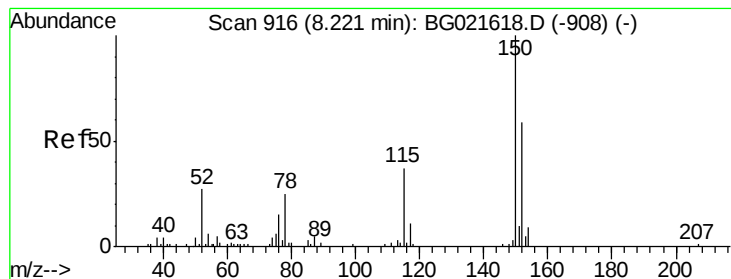
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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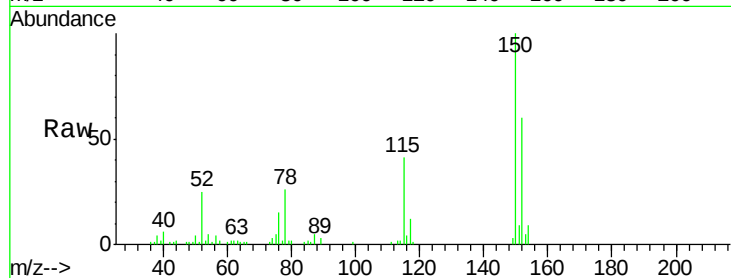


#1

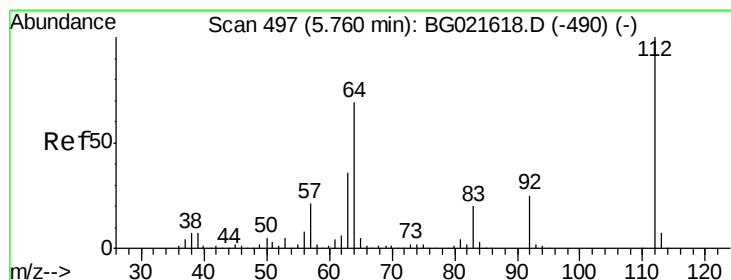
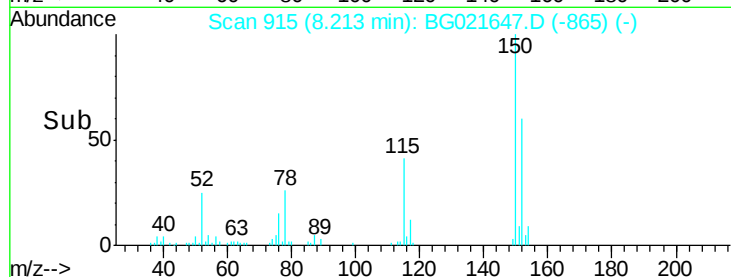
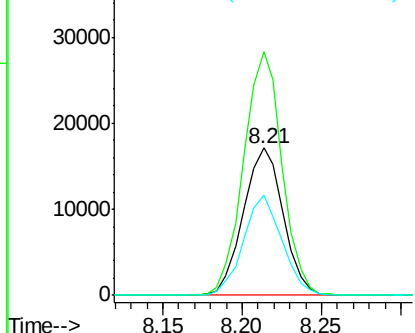
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.21 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

Tgt Ion:152 Resp: 29850
 Ion Ratio Lower Upper
 152 100
 150 165.6 130.1 195.1
 115 68.3 62.2 93.2



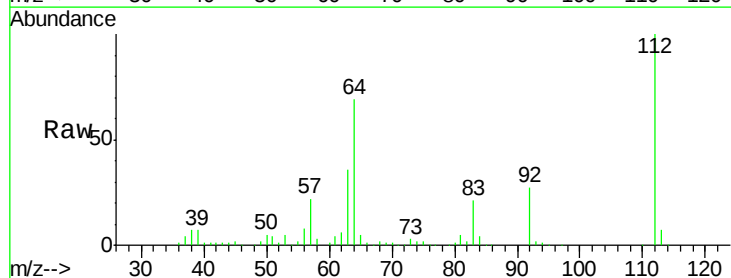
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



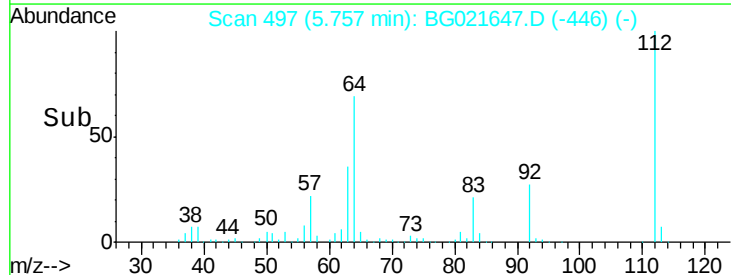
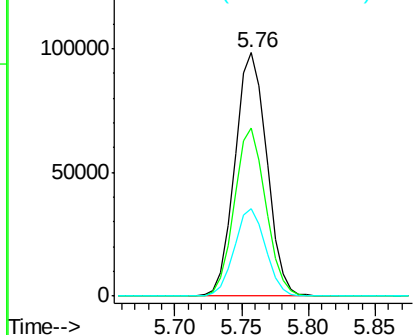
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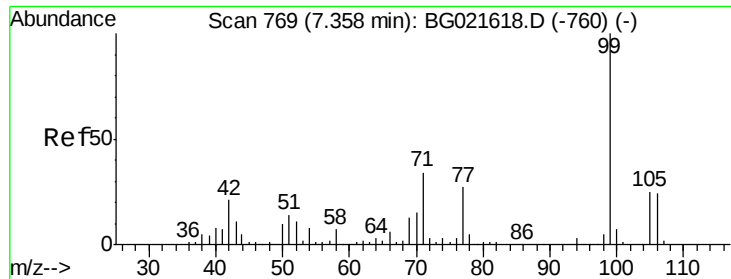
2-Fluorophenol
 Concen: 90.89 ng
 RT: 5.76 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Tgt Ion:112 Resp: 162923
 Ion Ratio Lower Upper
 112 100
 64 69.3 51.1 76.7
 63 35.8 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: 58.98 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

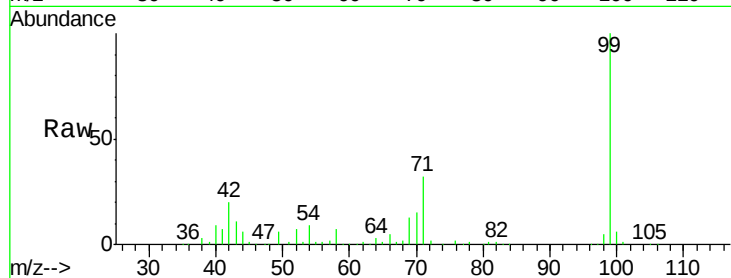
Tgt Ion: 99 Resp: 157912

Ion Ratio Lower Upper

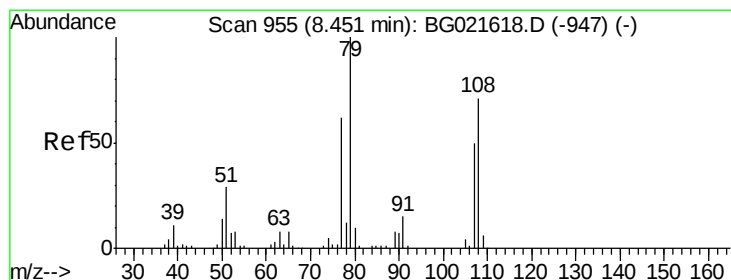
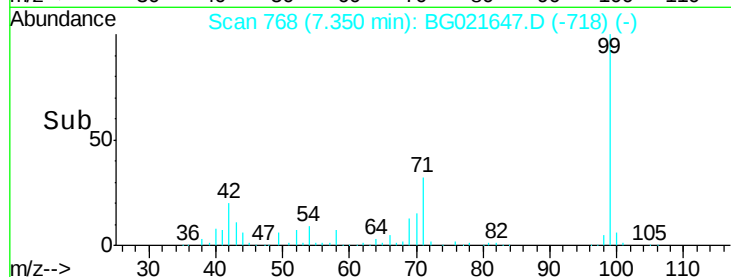
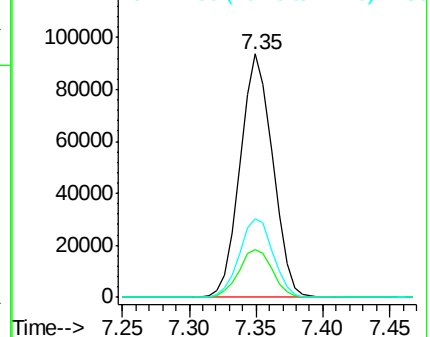
99 100

42 19.7 16.4 24.6

71 32.1 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



#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 8.54 min Scan# 970

Delta R.T. 0.09 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

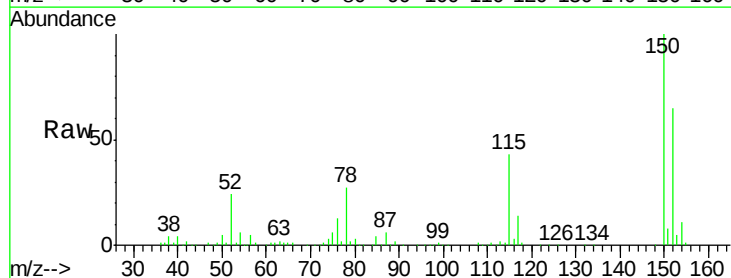
Tgt Ion: 79 Resp: 4156

Ion Ratio Lower Upper

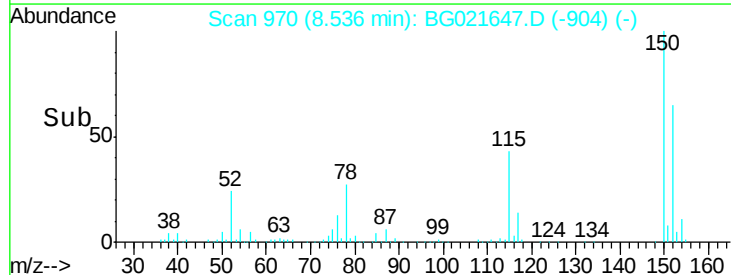
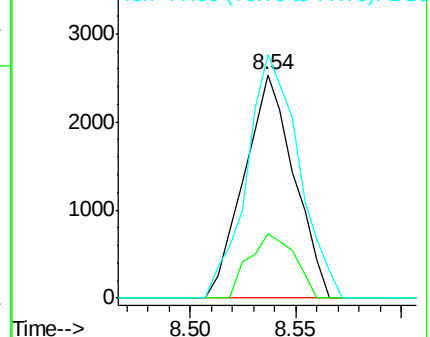
79 100

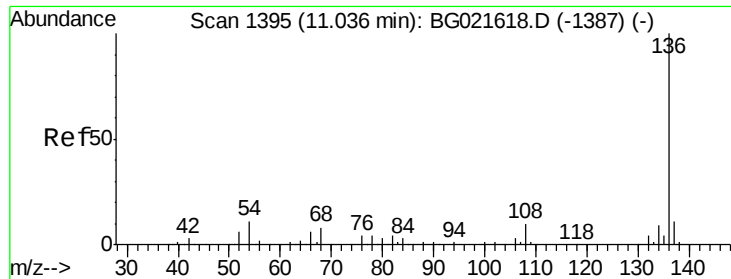
108 29.1 59.4 89.0#

77 109.0 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

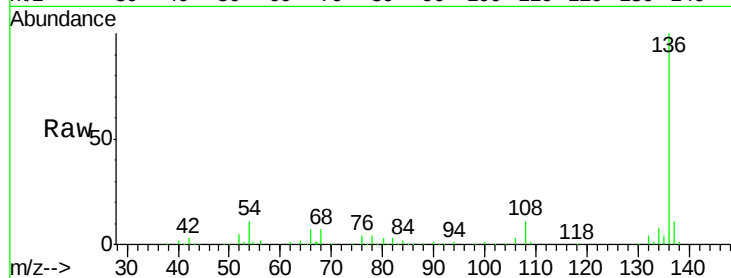




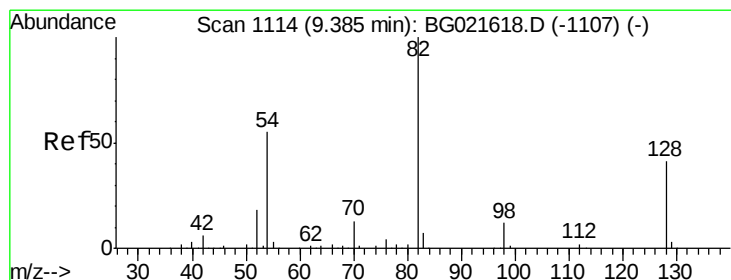
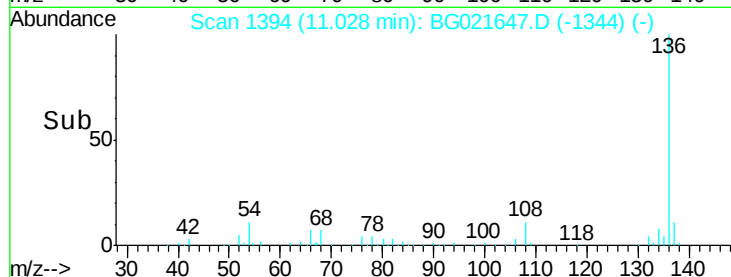
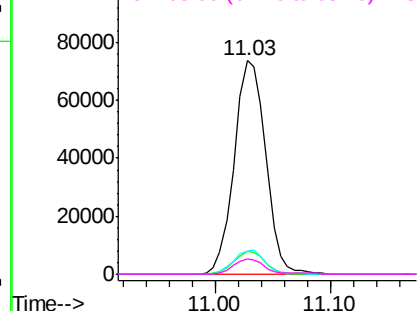
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.03 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Instrument :
BNA_G
ClientSampleId :
GMW-11X

Tgt Ion:	136	Resp:	138881
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	11.8	9.6	14.4
68	7.5	6.4	9.6

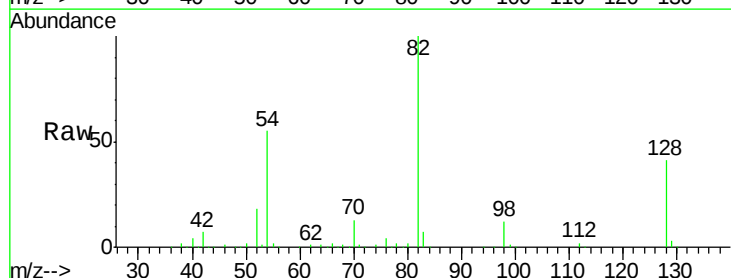


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

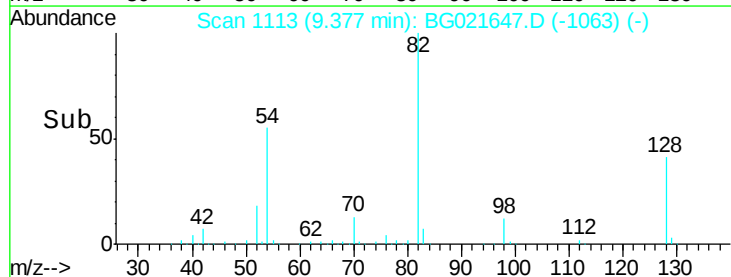
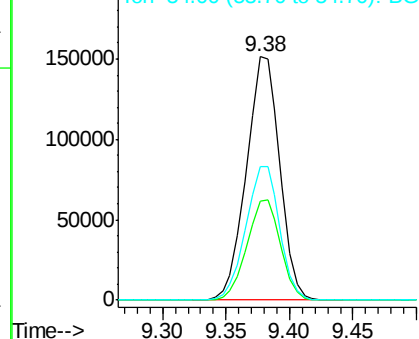


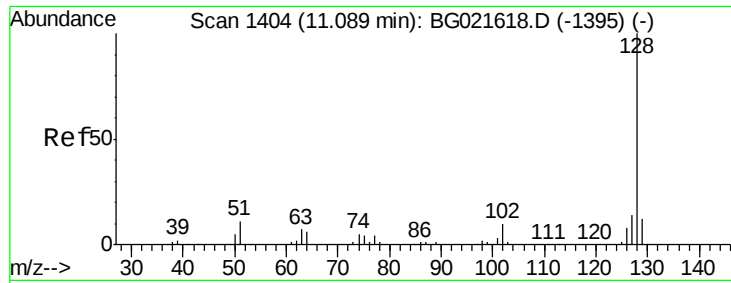
#23
Nitrobenzene-d5
Concen: 102.42 ng
RT: 9.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Tgt Ion:	82	Resp:	276749
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.4	50.0
54	55.0	46.1	69.1



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

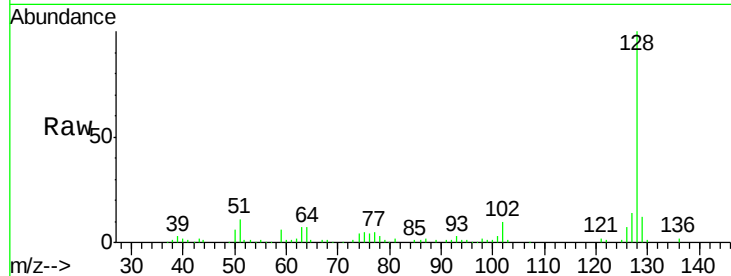




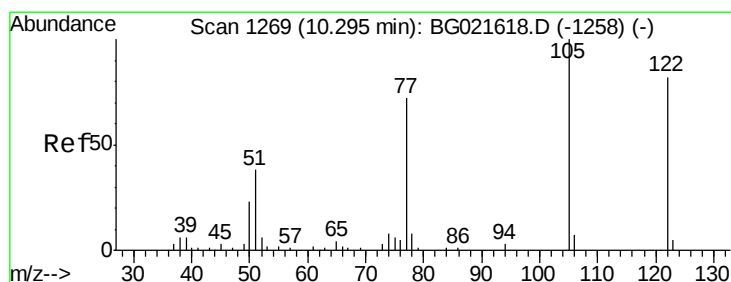
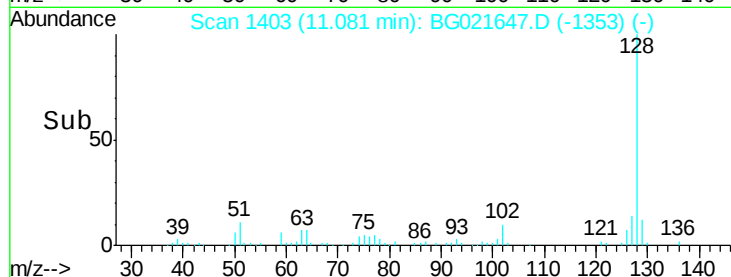
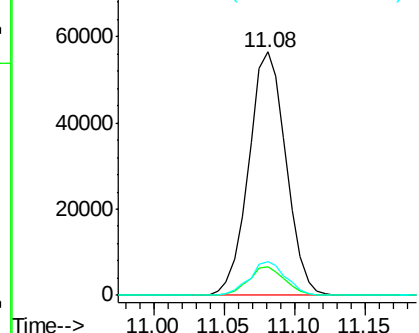
#31
Naphthalene
Concen: 14.05 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Instrument :
BNA_G
ClientSampleId :
GMW-11X

Tgt Ion:128 Resp: 104425
Ion Ratio Lower Upper
128 100
129 11.7 7.0 10.6#
127 13.6 10.1 15.1

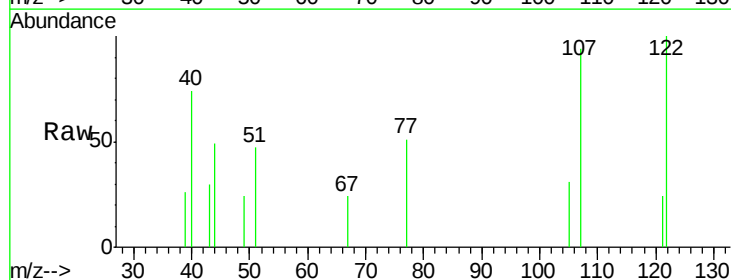


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

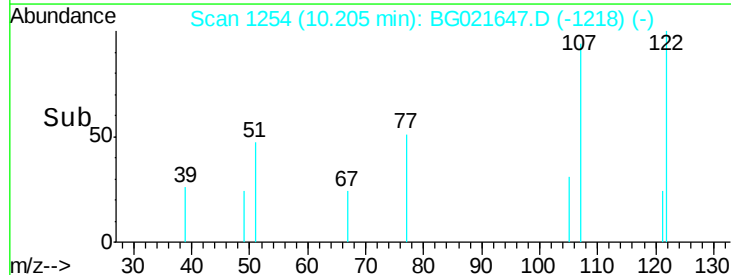
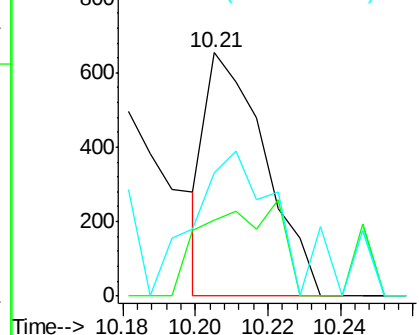


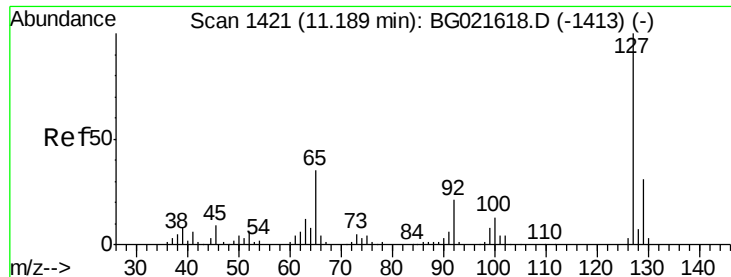
#32
Benzoic acid
Concen: 4.86 ng
RT: 10.21 min Scan# 1254
Delta R.T. -0.09 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Tgt Ion:122 Resp: 740
Ion Ratio Lower Upper
122 100
105 31.3 104.5 144.5#
77 50.8 79.9 119.9#



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

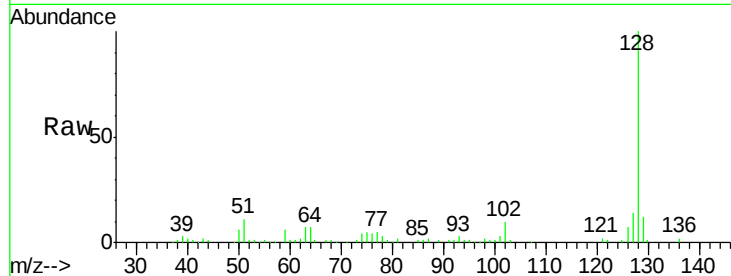




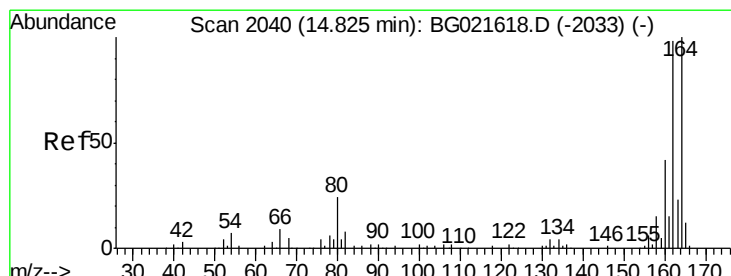
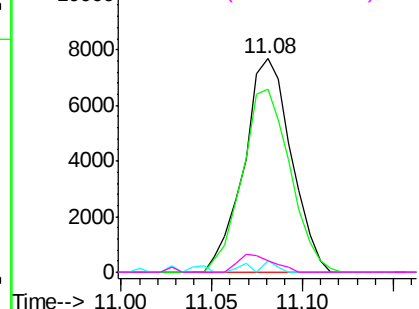
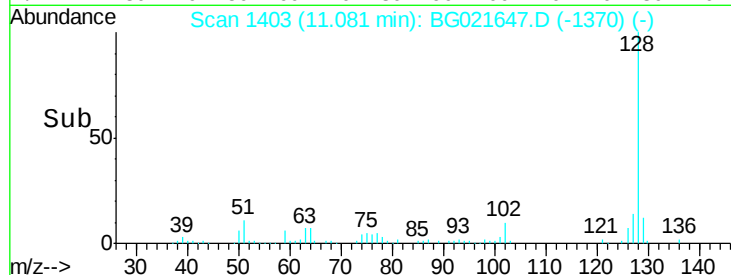
#33
4-Chloroaniline
Concen: 4.35 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.11 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Instrument :
BNA_G
ClientSampleId :
GMW-11X

Tgt Ion:127 Resp: 13984
Ion Ratio Lower Upper
127 100
129 85.9 26.6 39.8#
65 5.3 27.5 41.3#
92 5.3 14.7 22.1#

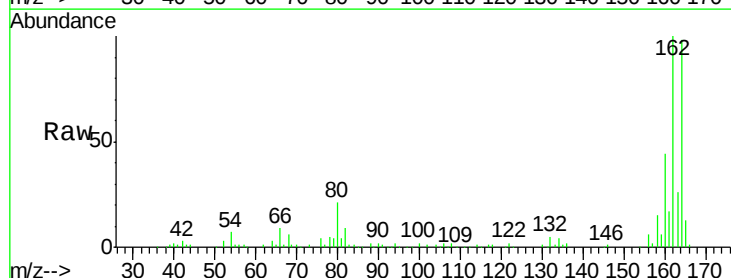


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

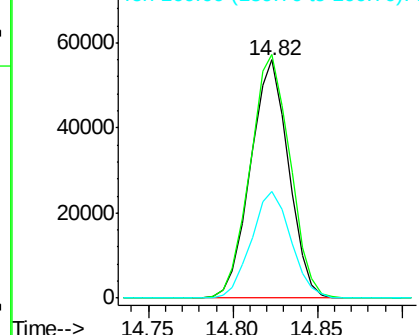
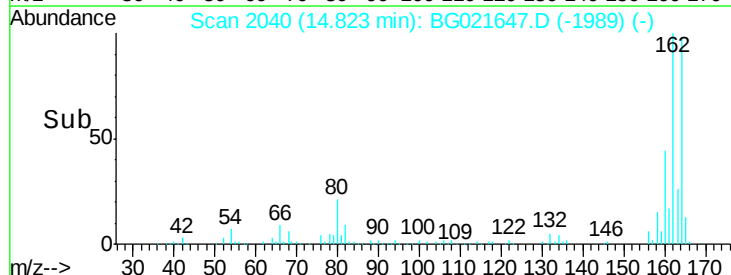


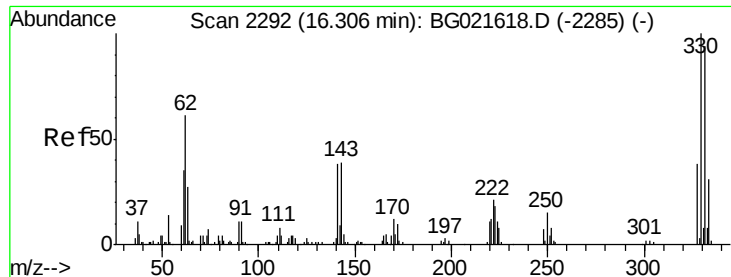
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Tgt Ion:164 Resp: 87528
Ion Ratio Lower Upper
164 100
162 102.3 78.0 117.0
160 44.8 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

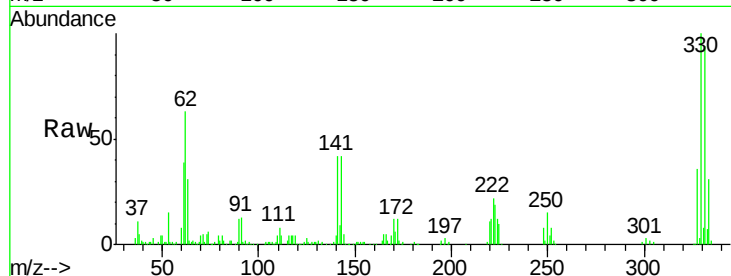




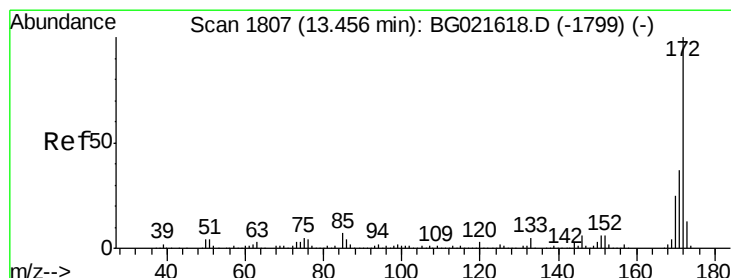
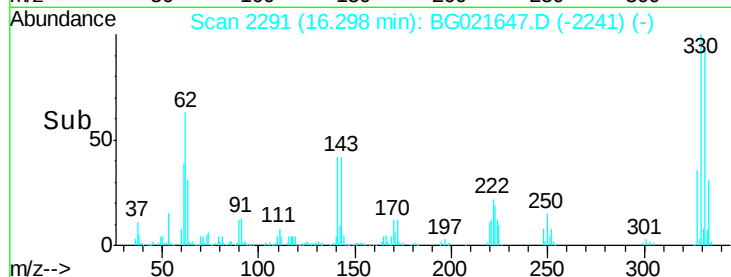
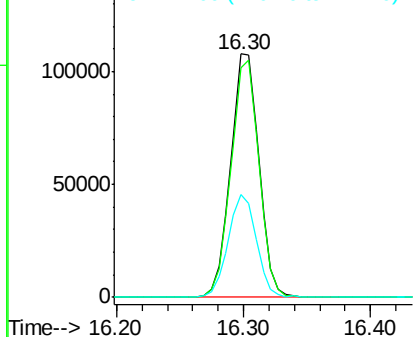
#41
 2,4,6-Tribromophenol
 Concen: 176.12 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Instrument :
 BNA_G
 ClientSampleId :
 GMW-11X

Tgt Ion:330 Resp: 166142
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.0 117.0
 141 42.7 33.8 50.8

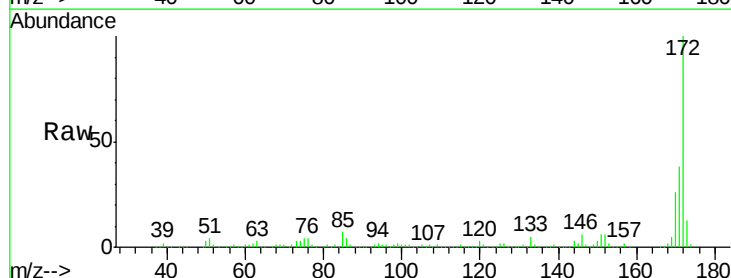


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

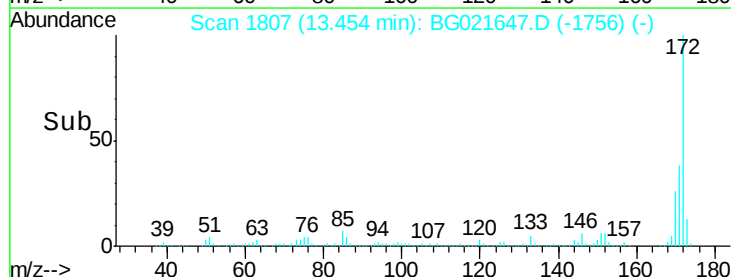
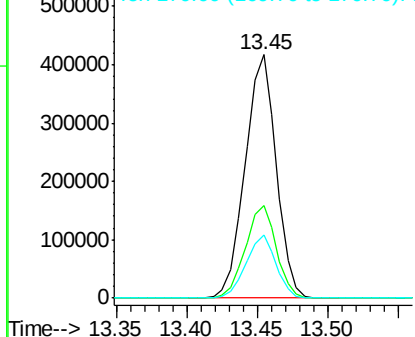


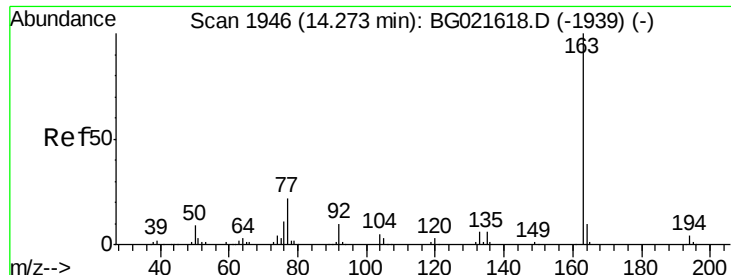
#44
 2-Fluorobiphenyl
 Concen: 107.54 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021647.D
 Acq: 14 Apr 2016 10:54

Tgt Ion:172 Resp: 642455
 Ion Ratio Lower Upper
 172 100
 171 38.2 27.8 41.6
 170 26.0 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.15 ng

RT: 14.27 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

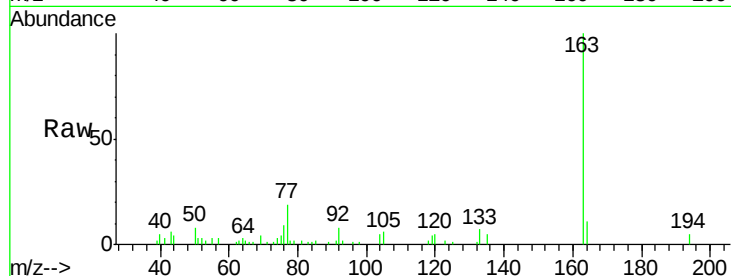
Instrument :

BNA_G

ClientSampleId :

GMW-11X

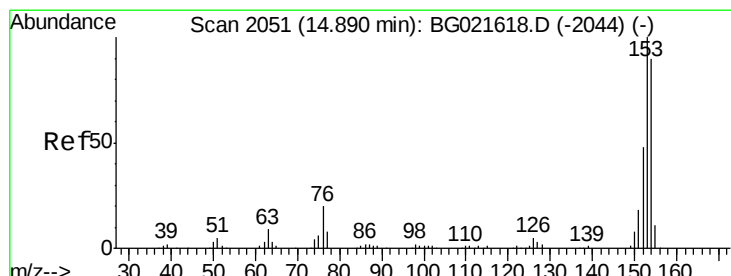
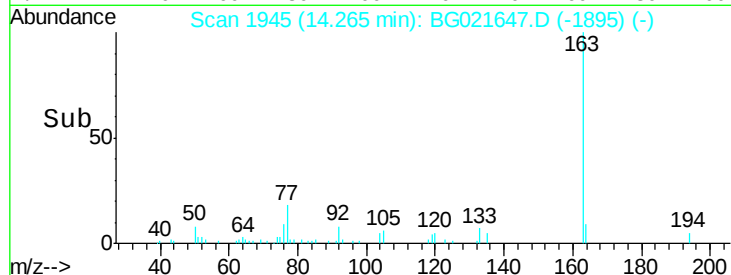
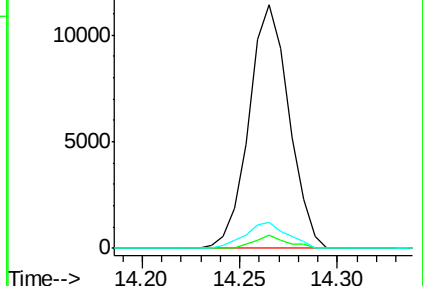
Tgt Ion:	163	Resp:	16270
Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.0	4.6#
164	10.8	8.1	12.1



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



#51

Acenaphthene

Concen: 2.10 ng

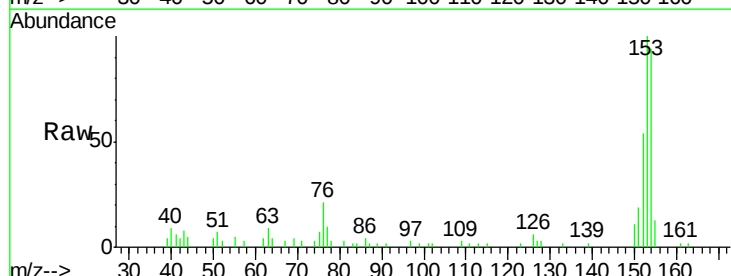
RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

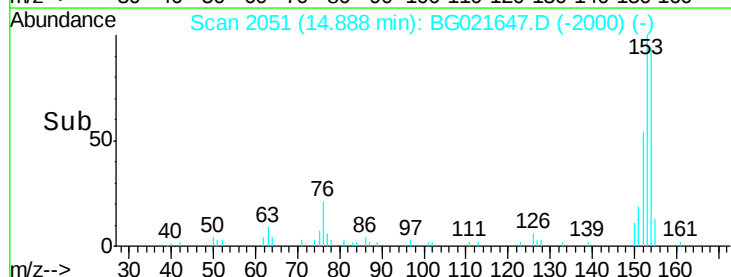
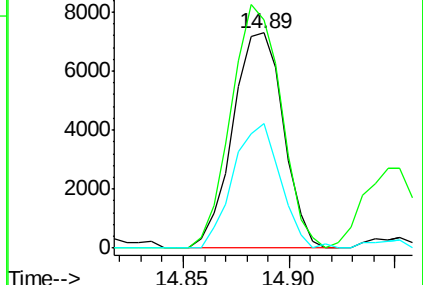
Tgt Ion:	154	Resp:	12128
Ion	Ratio	Lower	Upper
154	100		
153	106.3	91.9	137.9
152	57.6	42.0	63.0

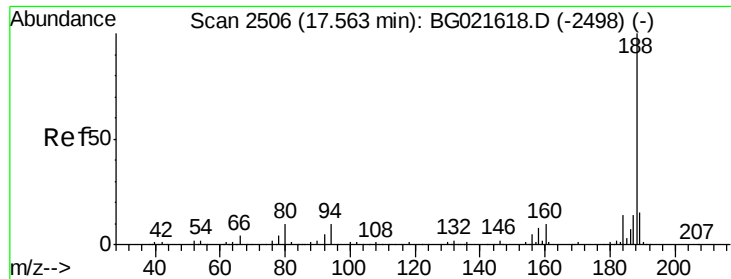


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

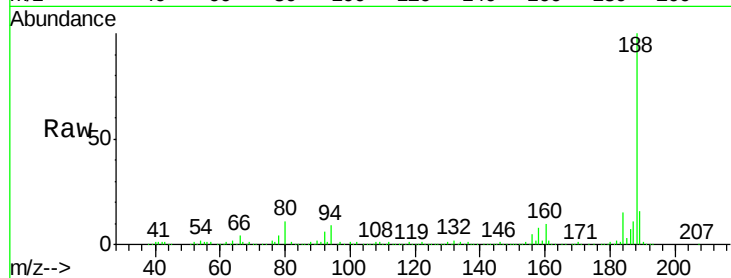




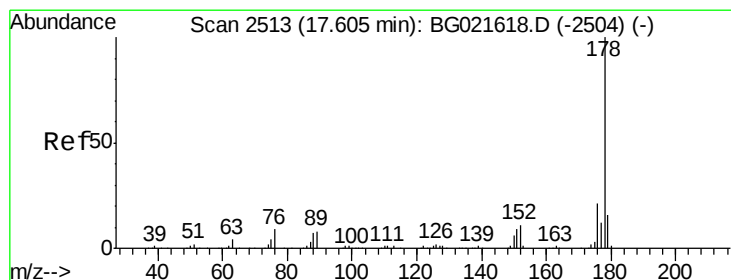
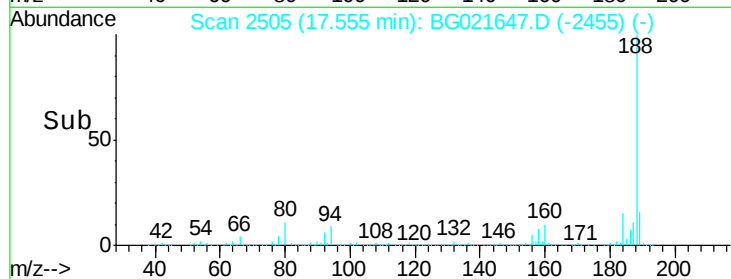
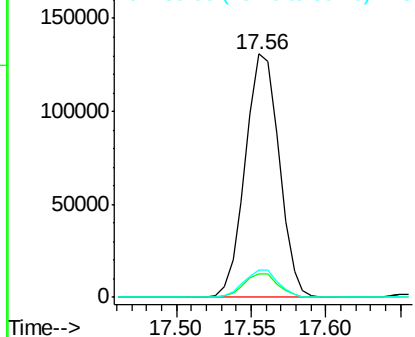
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Instrument :
BNA_G
ClientSampleId :
GMW-11X

Tgt Ion:188 Resp: 205754
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 11.2 8.6 13.0

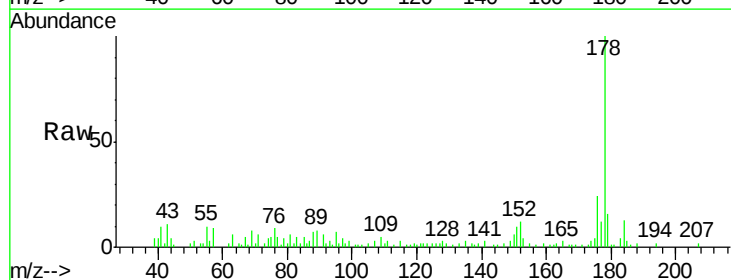


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

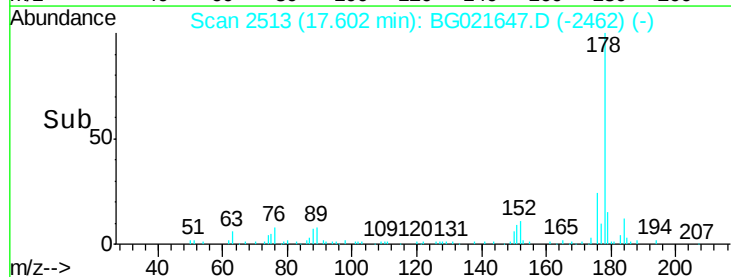
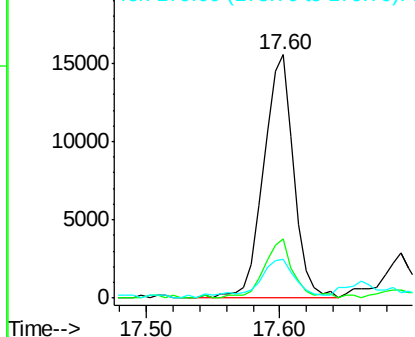


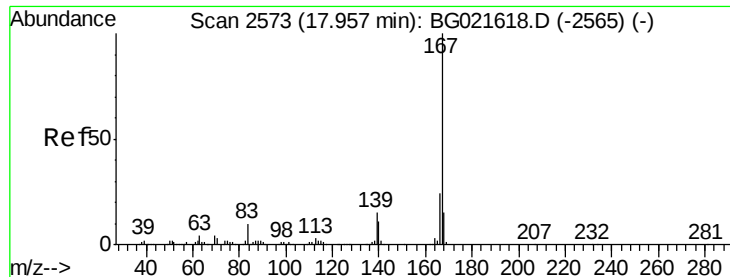
#70
Phenanthrene
Concen: 2.13 ng
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG021647.D
Acq: 14 Apr 2016 10:54

Tgt Ion:178 Resp: 24208
Ion Ratio Lower Upper
178 100
176 24.1 16.2 24.4
179 16.0 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





#72

Carbazole

Concen: 3.48 ng

RT: 17.95 min Scan# 2573

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

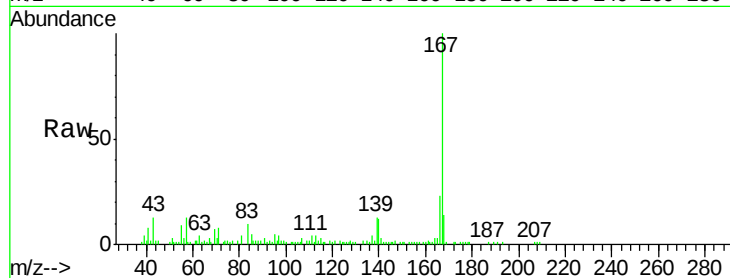
Tgt Ion:167 Resp: 37403

Ion Ratio Lower Upper

167 100

166 23.4 18.6 27.8

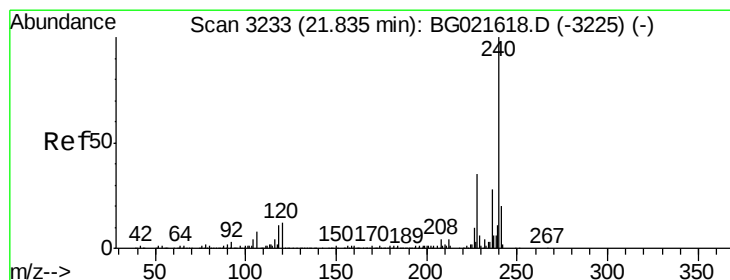
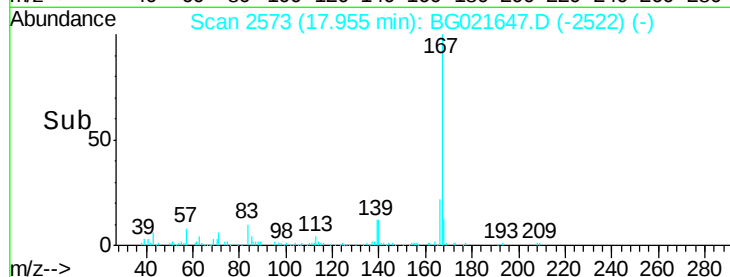
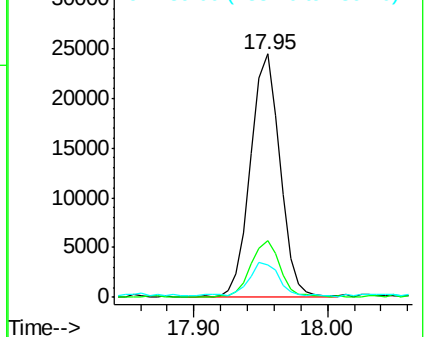
139 13.1 10.6 15.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

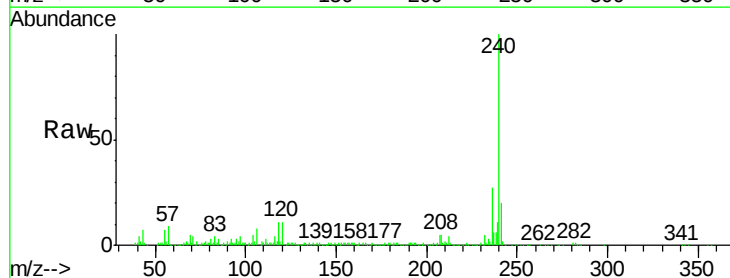
Tgt Ion:240 Resp: 235463

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

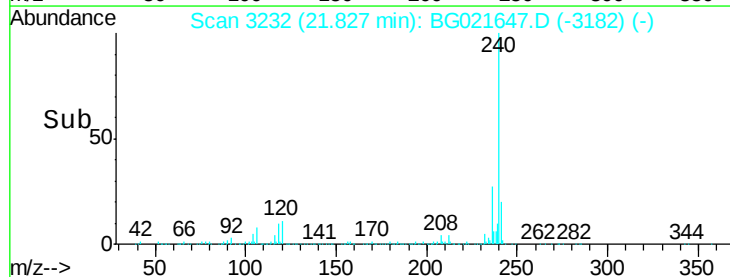
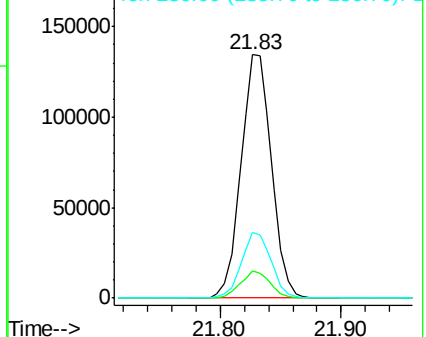
236 26.8 19.6 29.4

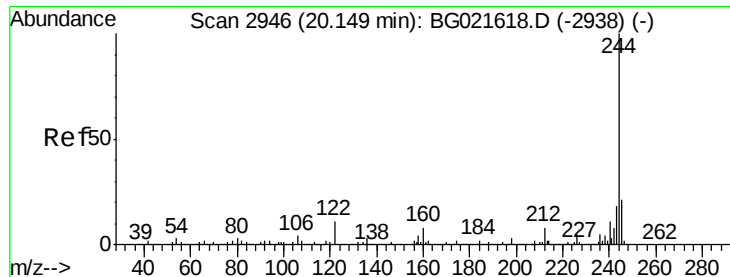


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 99.51 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

Instrument :

BNA_G

ClientSampleId :

GMW-11X

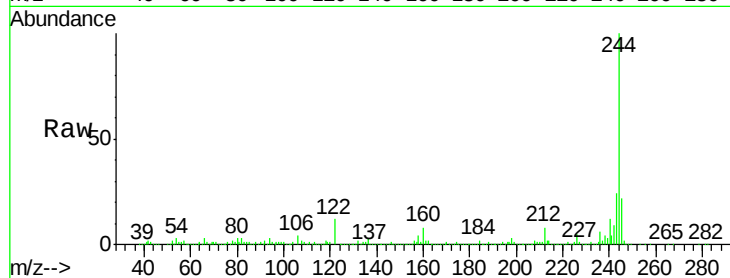
Tgt Ion:244 Resp: 939016

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

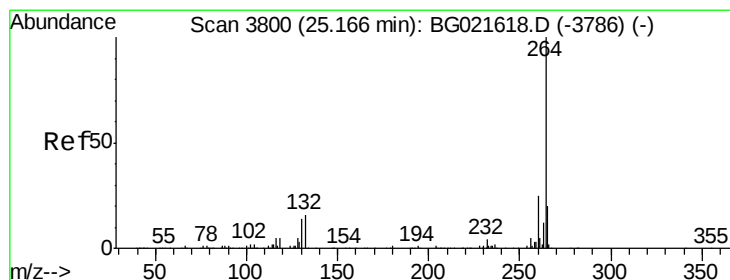
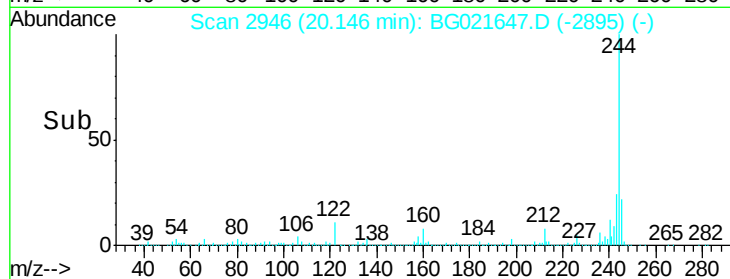
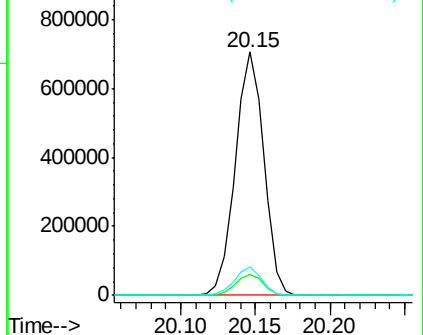
122 11.5 8.6 12.8



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# 3800

Delta R.T. -0.00 min

Lab File: BG021647.D

Acq: 14 Apr 2016 10:54

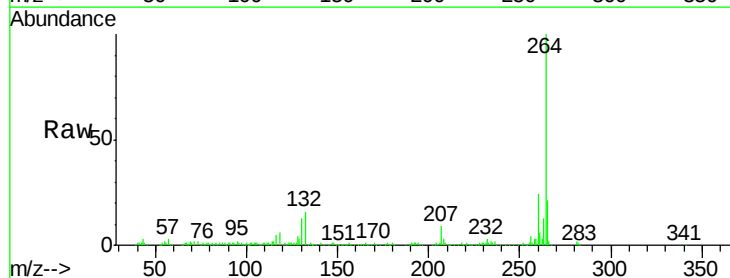
Tgt Ion:264 Resp: 229233

Ion Ratio Lower Upper

264 100

260 24.3 20.2 30.4

265 21.2 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

