

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG016959.D
 Acq On : 8 May 2015 16:34
 Operator : TP/IZ
 Sample : G2038-05DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-03DL

Quant Time: May 09 00:05:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 23:46:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	53416	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	255093	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	186199	20.00	ng	0.00
63) Phenanthrene-d10	17.17	188	452181	20.00	ng	0.00
75) Chrysene-d12	21.35	240	460003	20.00	ng	-0.01
86) Perylene-d12	23.65	264	457493	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	20370	6.64	ng	0.00
7) Phenol-d6	6.96	99	26080	5.95	ng	0.00
23) Nitrobenzene-d5	8.95	82	51626	9.89	ng	0.00
41) 2,4,6-Tribromophenol	15.91	330	31887	17.06	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	118549	9.61	ng	0.00
78) Terphenyl-d14	19.80	244	189533	9.66	ng	-0.01

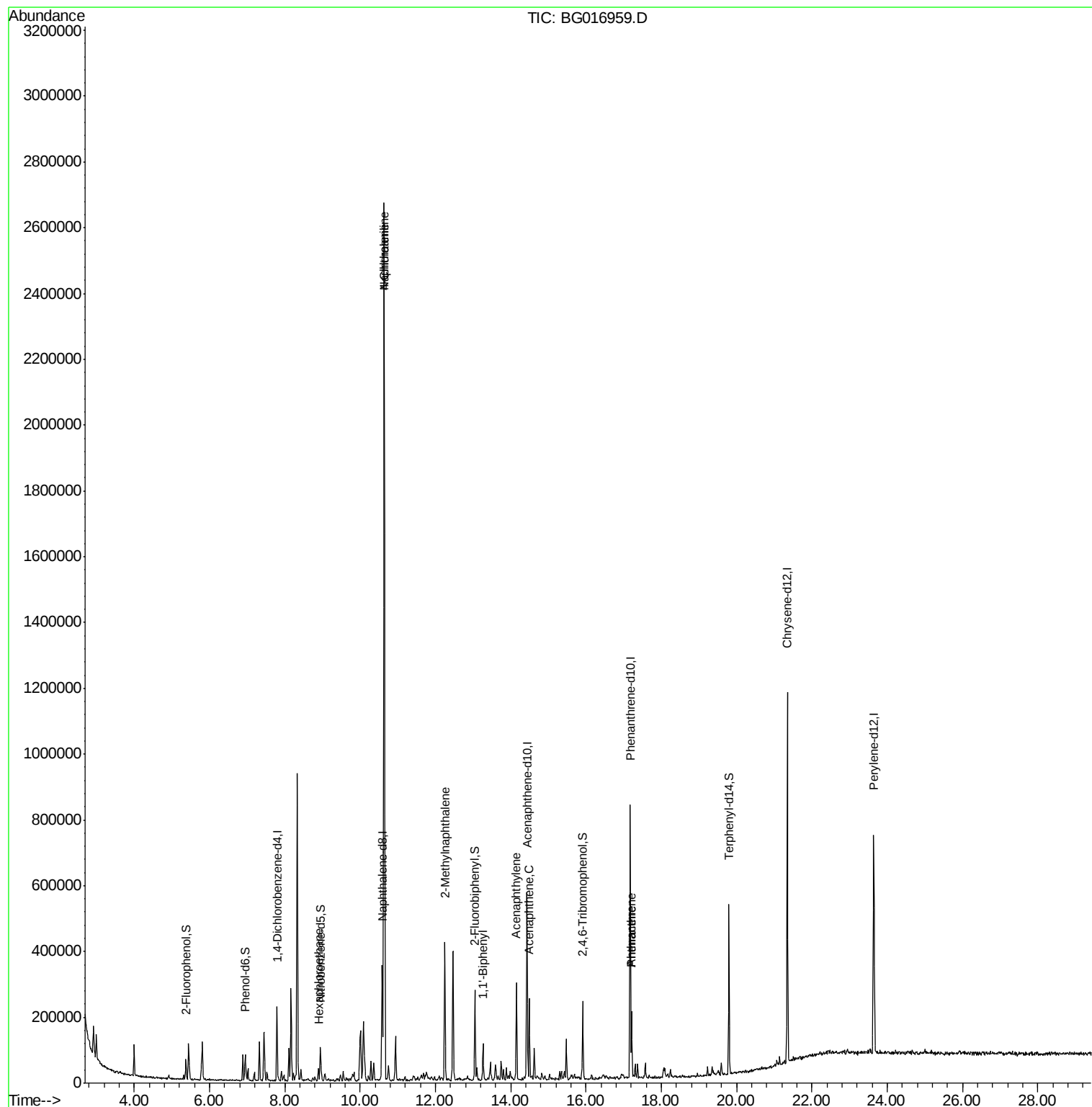
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.89	117	6890	4.22	ng	# 1
31) Naphthalene	10.64	128	1881219	148.27	ng	96
33) 4-Chloroaniline	10.64	127	278062	47.45	ng	# 34
37) 2-Methylnaphthalene	12.25	142	188199	19.47	ng	92
45) 1,1'-Biphenyl	13.26	154	48705	3.65	ng	98
48) Acenaphthylene	14.15	152	178749	9.72	ng	95
51) Acenaphthene	14.49	154	82105	7.50	ng	98
70) Phenanthrene	17.22	178	106892	4.59	ng	99
71) Anthracene	17.22	178	106892	4.55	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. 0.00 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

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ClientSampleId :

DBMW-03DL

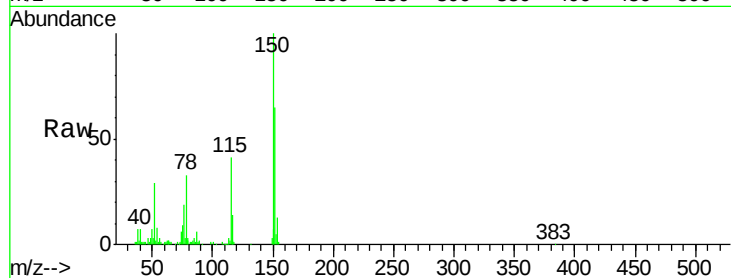
Tgt Ion:152 Resp: 53416

Ion Ratio Lower Upper

152 100

150 154.5 121.0 181.4

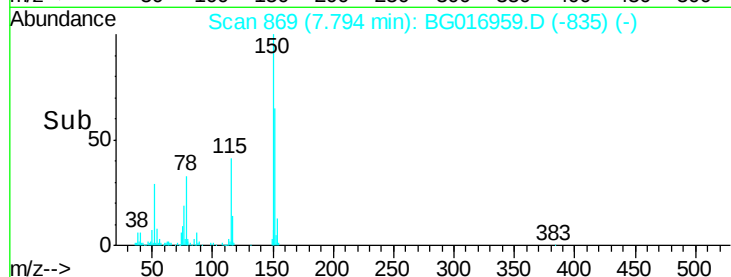
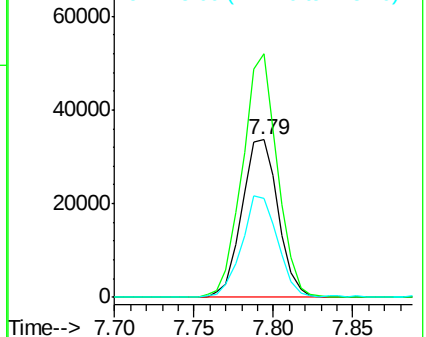
115 62.7 50.5 75.7



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: 6.64 ng

RT: 5.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

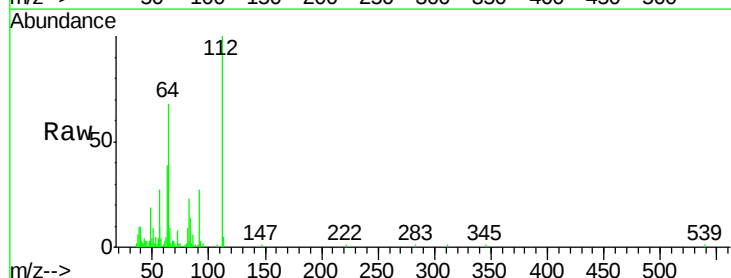
Tgt Ion:112 Resp: 20370

Ion Ratio Lower Upper

112 100

64 68.3 51.4 77.2

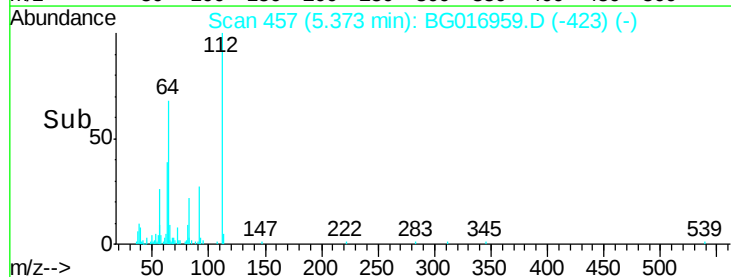
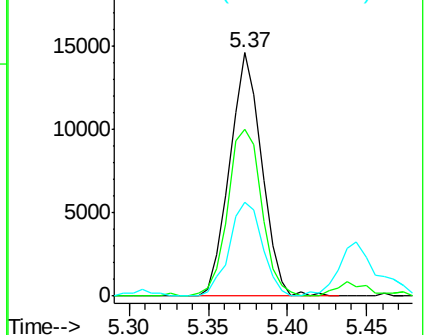
63 38.5 28.1 42.1

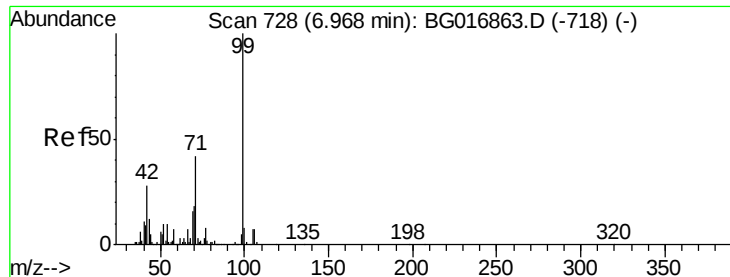


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 5.95 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

Instrument :

BNA_G

ClientSampleId :

DBMW-03DL

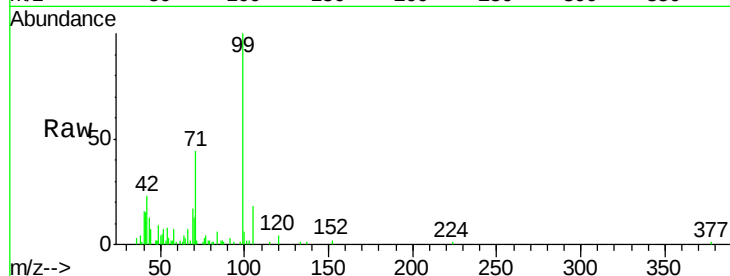
Tgt Ion: 99 Resp: 26080

Ion Ratio Lower Upper

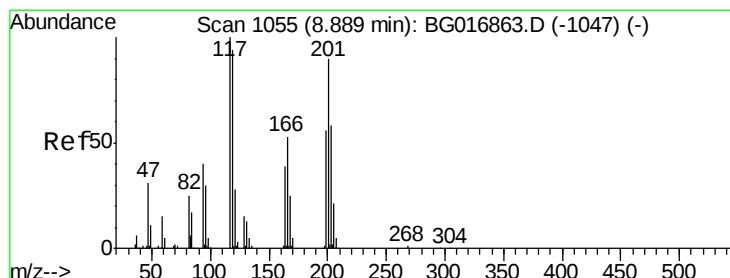
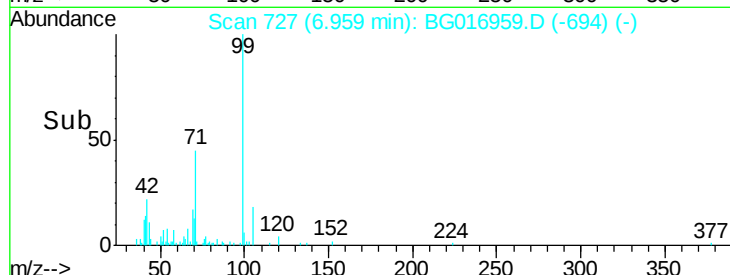
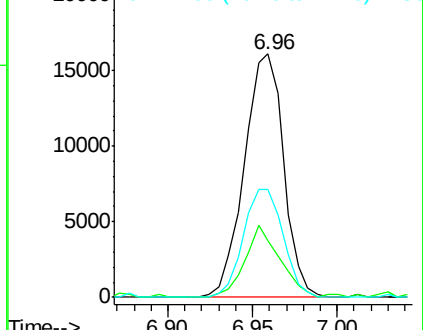
99 100

42 23.1 22.1 33.1

71 44.5 33.4 50.0



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: 4.22 ng

RT: 8.89 min Scan# 1056

Delta R.T. 0.02 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

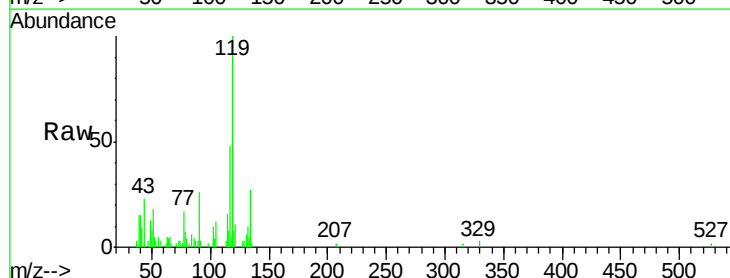
Tgt Ion: 117 Resp: 6890

Ion Ratio Lower Upper

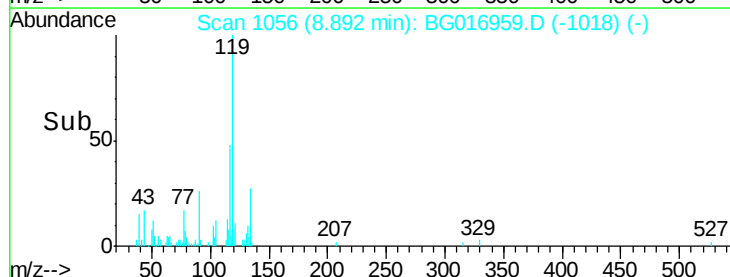
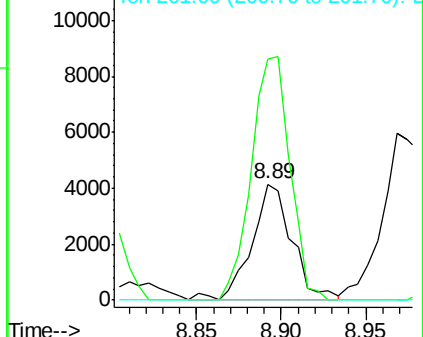
117 100

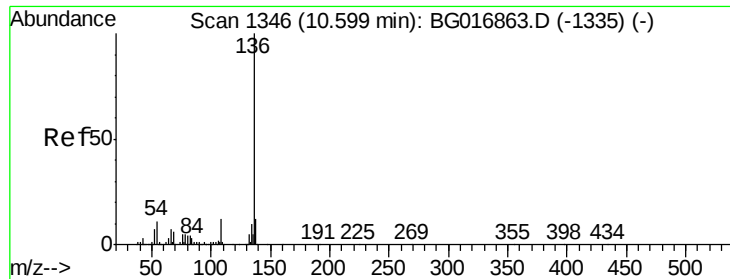
119 208.5 74.8 112.2#

201 0.0 72.1 108.1#



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: 10.58 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

Instrument :

BNA_G

ClientSampleId :

DBMW-03DL

Tgt Ion:136 Resp: 255093

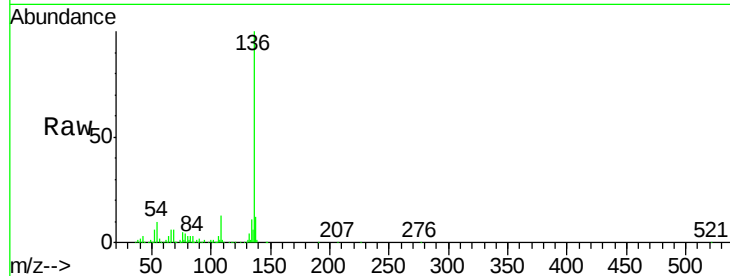
Ion Ratio Lower Upper

136 100

137 11.8 9.8 14.8

54 9.6 8.7 13.1

68 5.6 5.0 7.4

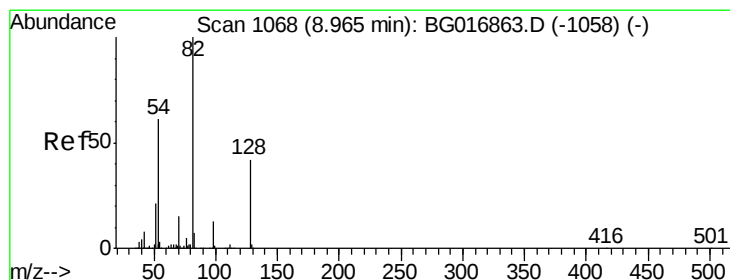
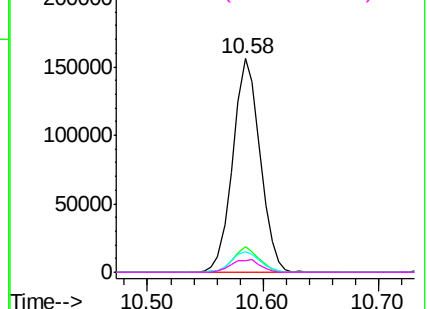
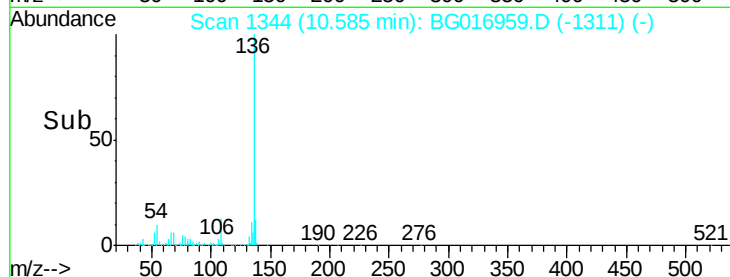


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.89 ng

RT: 8.95 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

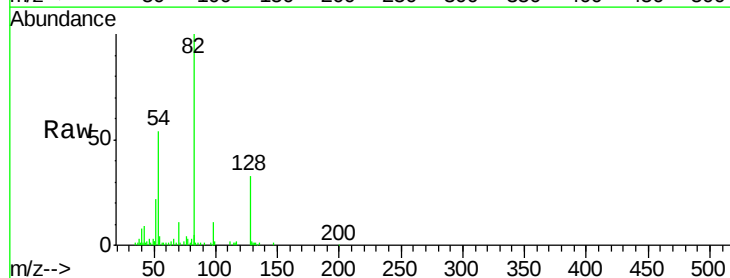
Tgt Ion: 82 Resp: 51626

Ion Ratio Lower Upper

82 100

128 32.7 33.2 49.8#

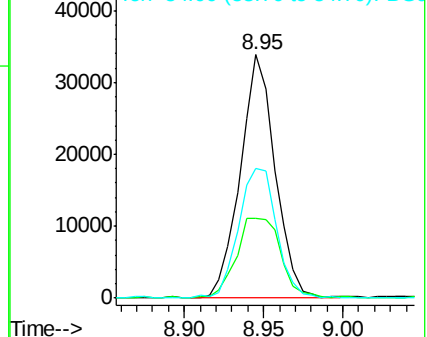
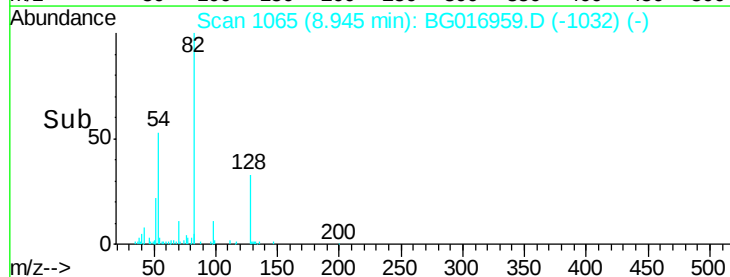
54 53.5 48.6 72.8

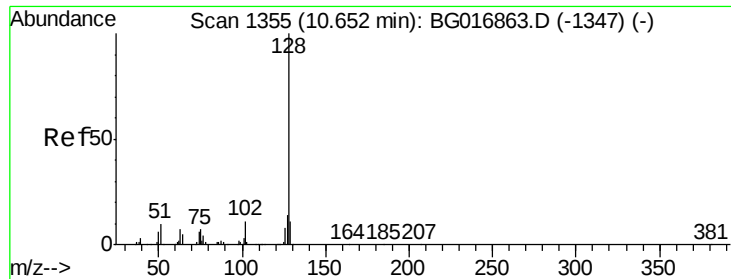


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

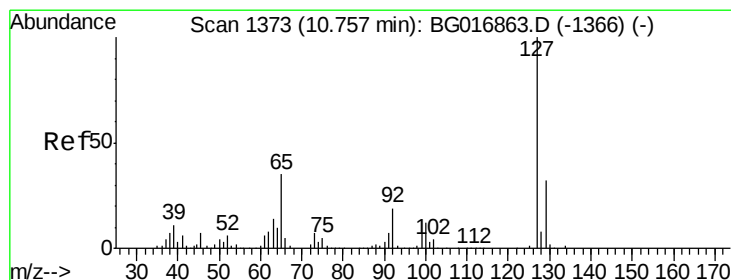
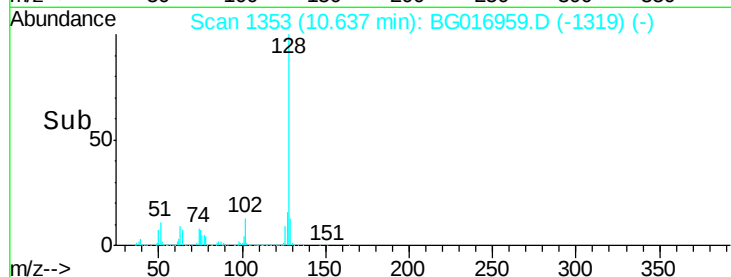
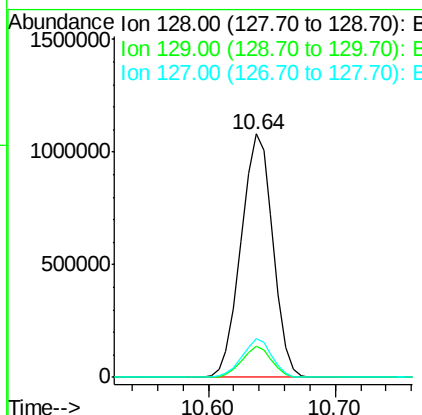
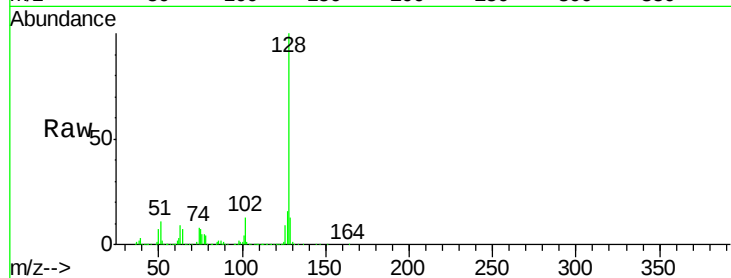




#31
Naphthalene
Concen: 148.27 ng
RT: 10.64 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BG016959.D
Acq: 8 May 2015 16:34

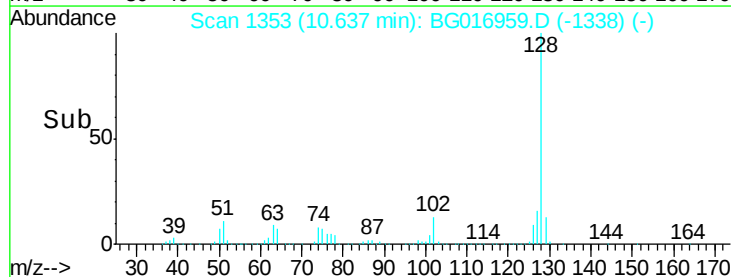
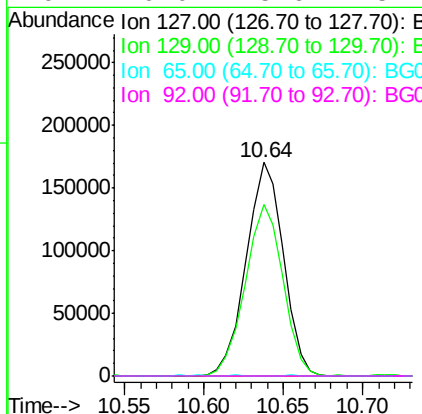
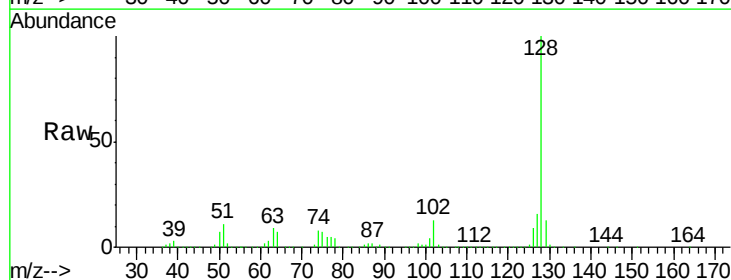
Instrument :
BNA_G
ClientSampleId :
DBMW-03DL

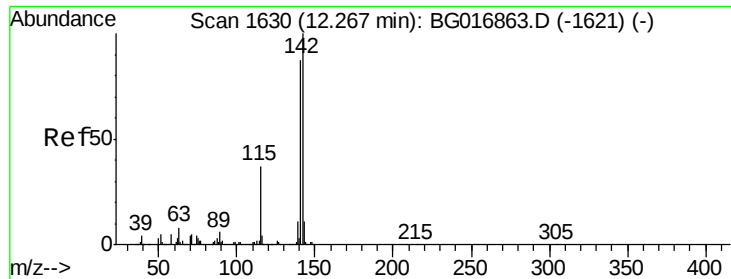
Tgt Ion:128 Resp: 1881219
Ion Ratio Lower Upper
128 100
129 12.7 9.1 13.7
127 15.8 10.9 16.3



#33
4-Chloroaniline
Concen: 47.45 ng
RT: 10.64 min Scan# 1353
Delta R.T. -0.11 min
Lab File: BG016959.D
Acq: 8 May 2015 16:34

Tgt Ion:127 Resp: 278062
Ion Ratio Lower Upper
127 100
129 80.6 25.8 38.6#
65 0.0 28.2 42.2#
92 0.0 15.6 23.4#

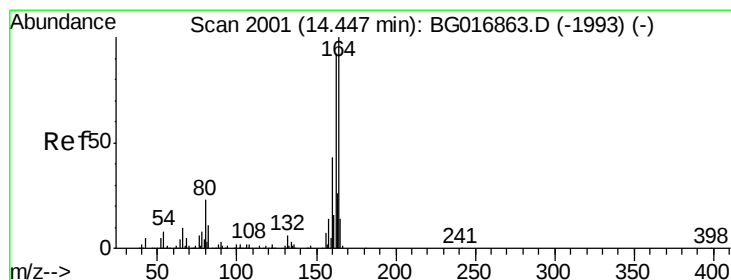
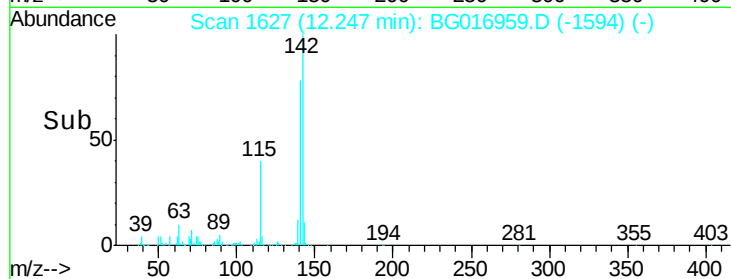
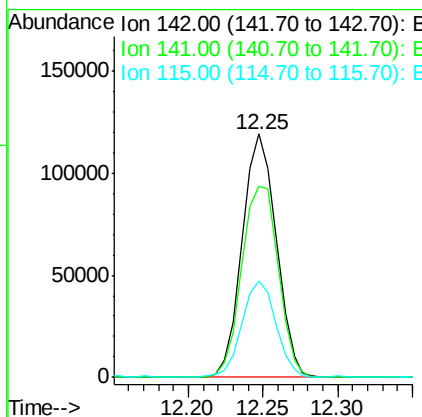
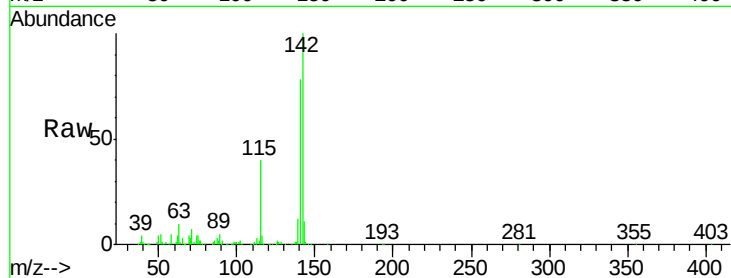




#37
 2-Methylnaphthalene
 Concen: 19.47 ng
 RT: 12.25 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BG016959.D
 Acq: 8 May 2015 16:34

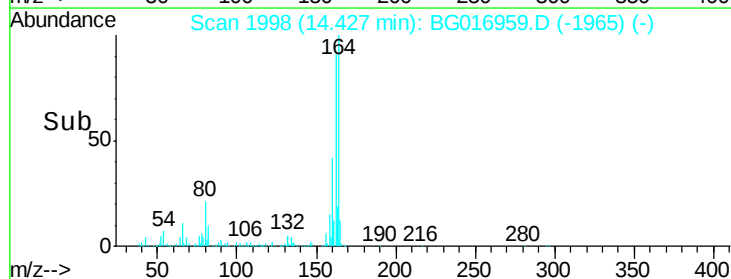
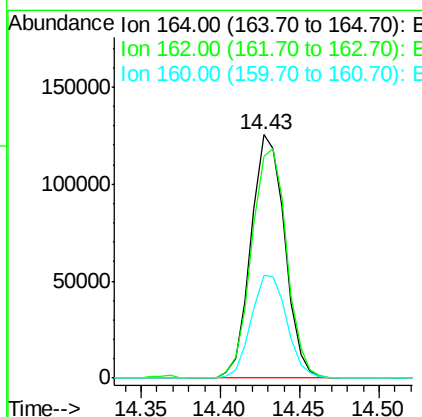
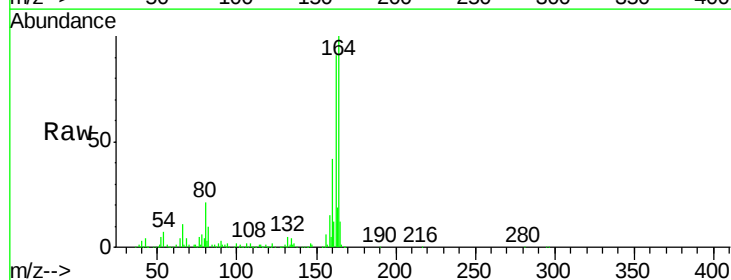
Instrument :
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 ClientSampleId :
 DBMW-03DL

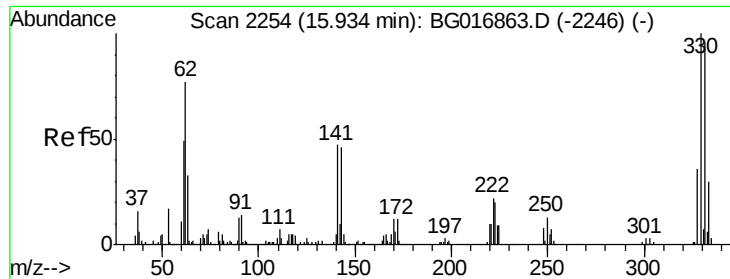
Tgt Ion	Ratio	Lower	Upper
142	100		
141	78.3	69.9	104.9
115	39.8	29.8	44.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.43 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BG016959.D
 Acq: 8 May 2015 16:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.2	74.0	111.0
160	42.2	34.7	52.1

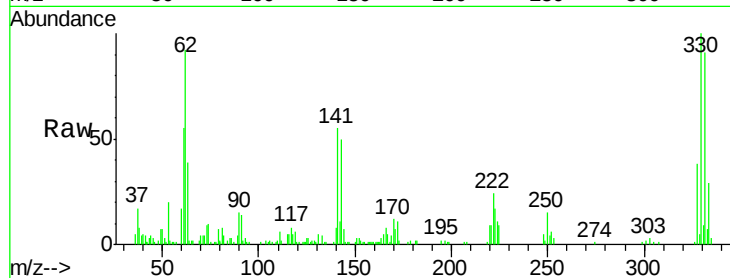




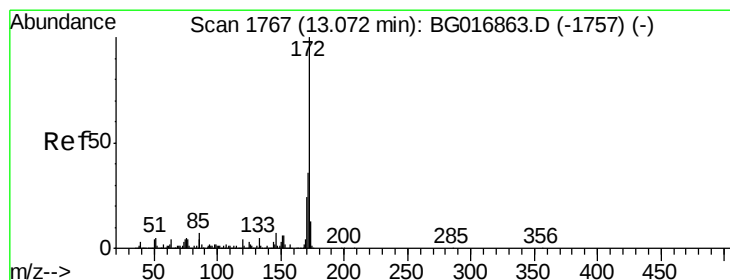
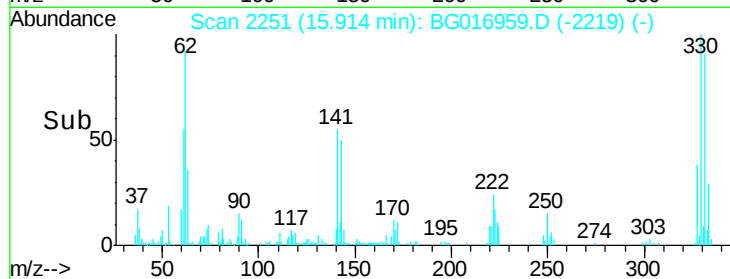
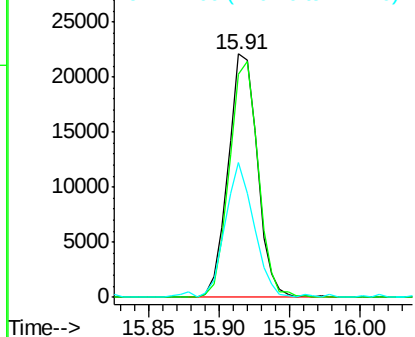
#41
 2,4,6-Tribromophenol
 Concen: 17.06 ng
 RT: 15.91 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BG016959.D
 Acq: 8 May 2015 16:34

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-03DL

Tgt Ion:330 Resp: 31887
 Ion Ratio Lower Upper
 330 100
 332 95.4 0.0 0.0#
 141 55.1 0.0 0.0#

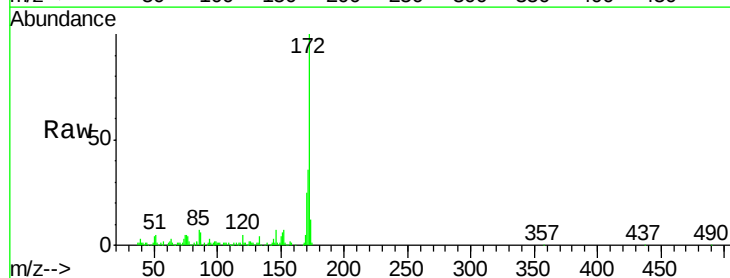


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

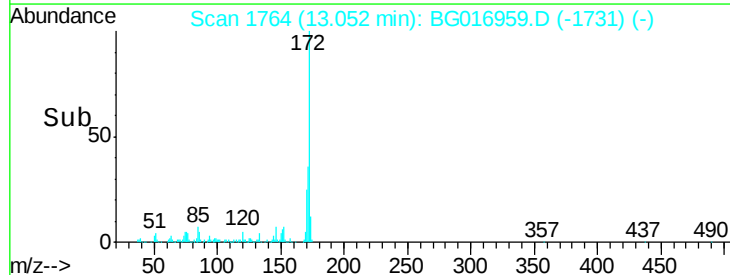
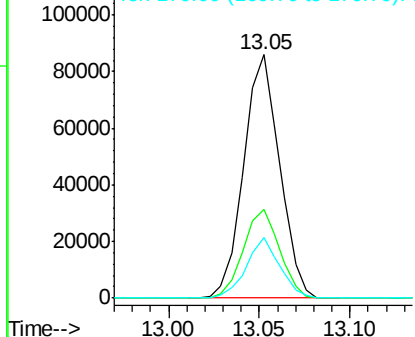


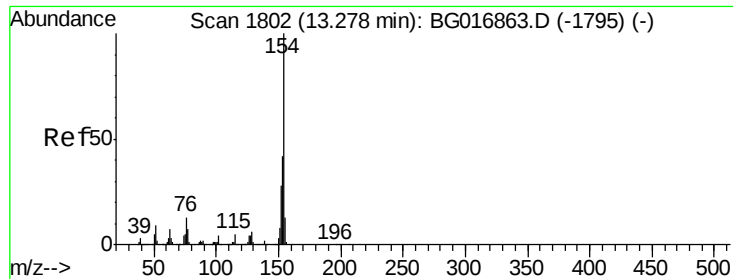
#44
 2-Fluorobiphenyl
 Concen: 9.61 ng
 RT: 13.05 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BG016959.D
 Acq: 8 May 2015 16:34

Tgt Ion:172 Resp: 118549
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.4
 170 24.6 19.0 28.4



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

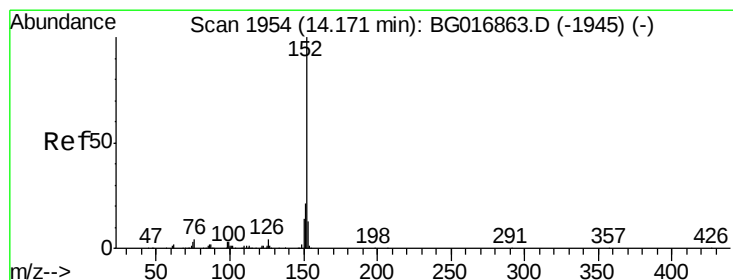
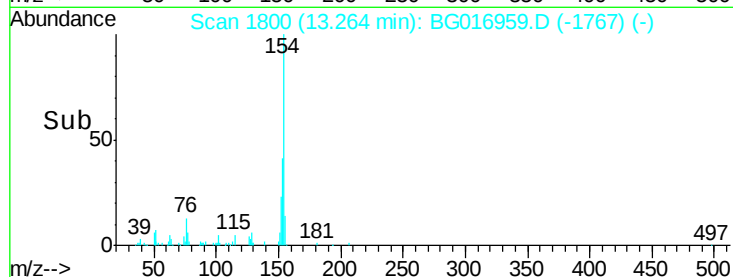
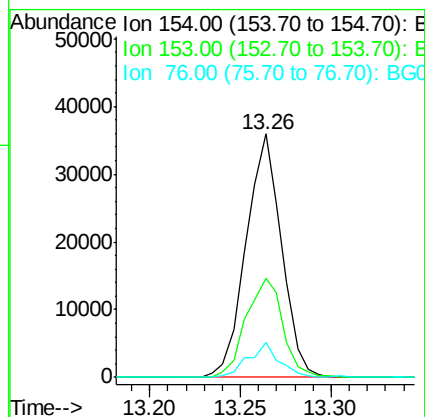
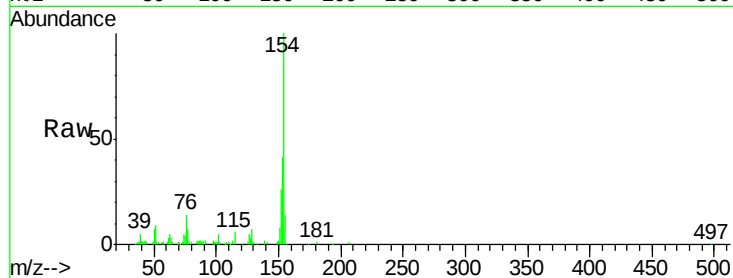




#45
1,1'-Biphenyl
Concen: 3.65 ng
RT: 13.26 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BG016959.D
Acq: 8 May 2015 16:34

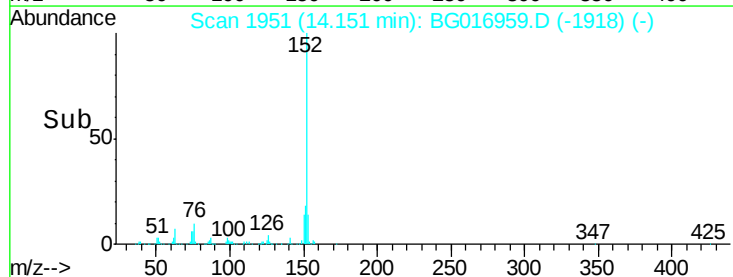
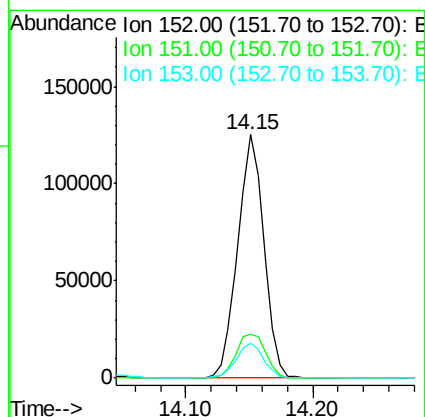
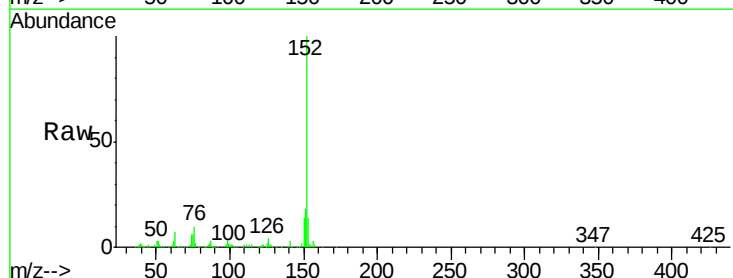
Instrument :
BNA_G
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DBMW-03DL

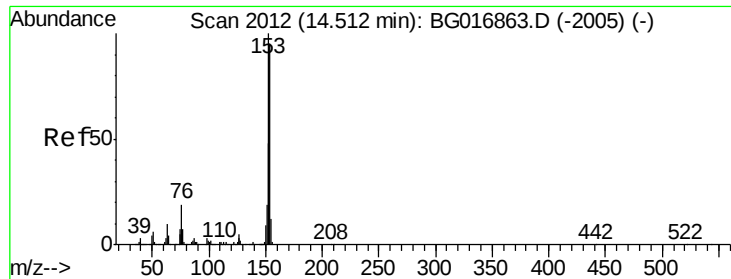
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.0	62.0
76	14.2	0.0	33.3



#48
Acenaphthylene
Concen: 9.72 ng
RT: 14.15 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG016959.D
Acq: 8 May 2015 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	17.0	25.4
153	14.5	10.7	16.1





#51

Acenaphthene

Concen: 7.50 ng

RT: 14.49 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

Instrument :

BNA_G

ClientSampleId :

DBMW-03DL

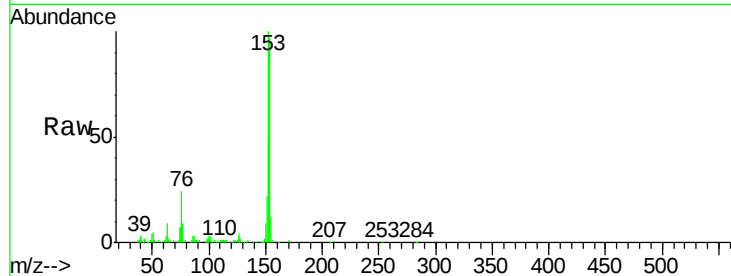
Tgt Ion:154 Resp: 82105

Ion Ratio Lower Upper

154 100

153 103.0 84.2 126.4

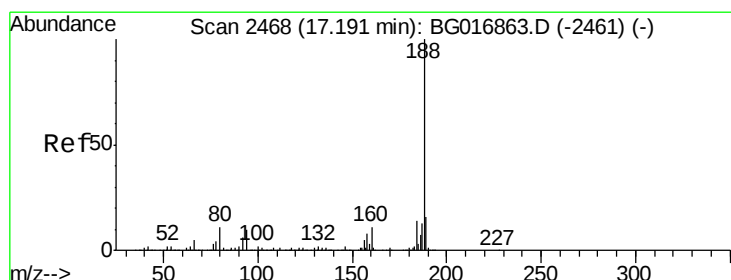
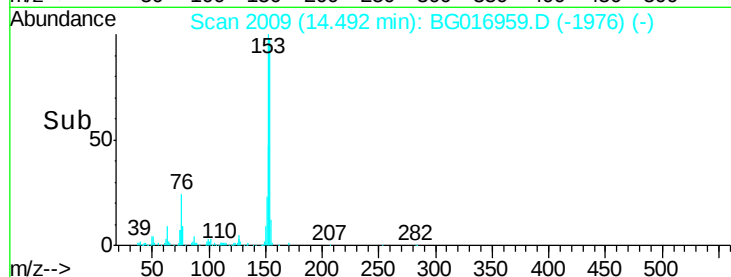
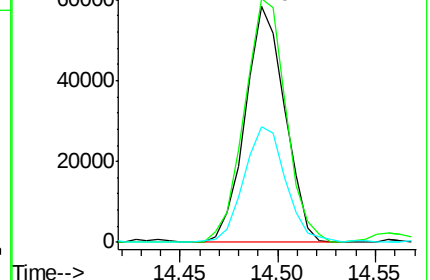
152 48.9 40.2 60.2



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: 17.17 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

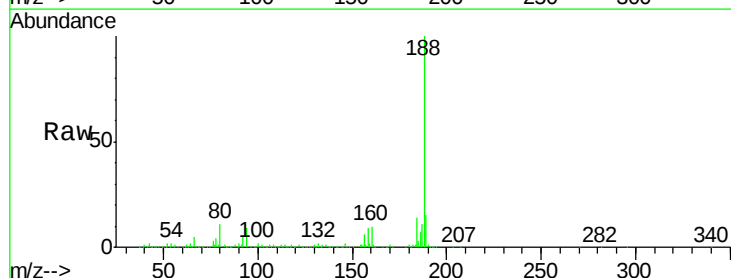
Tgt Ion:188 Resp: 452181

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

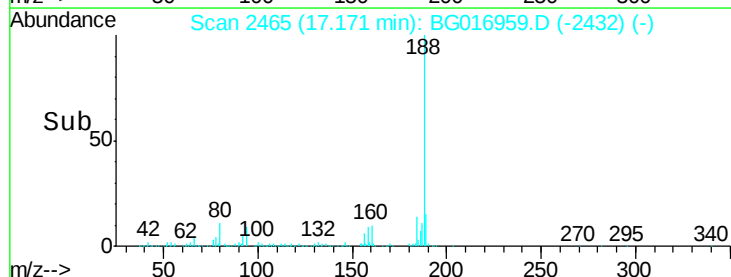
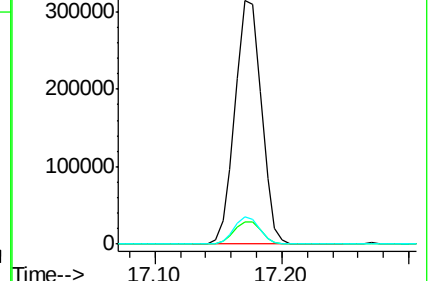
80 11.4 8.8 13.2

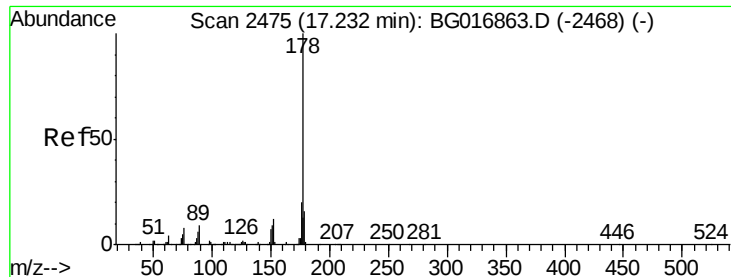


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 4.59 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

Instrument :

BNA_G

ClientSampleId :

DBMW-03DL

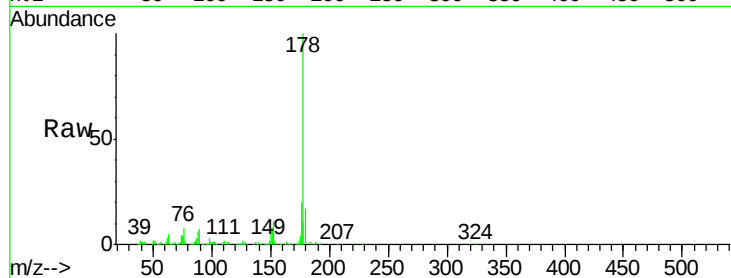
Tgt Ion:178 Resp: 106892

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

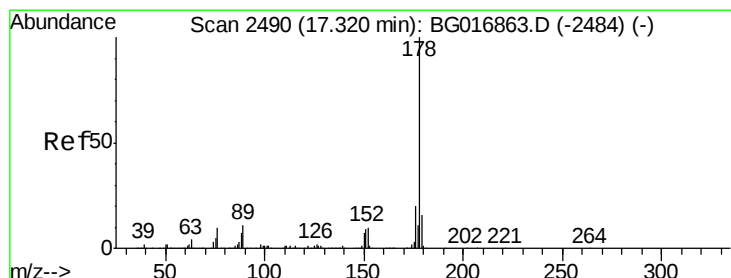
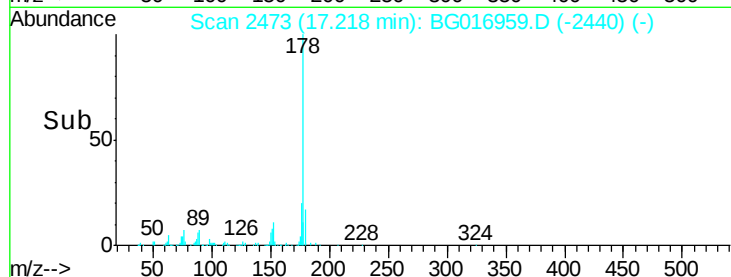
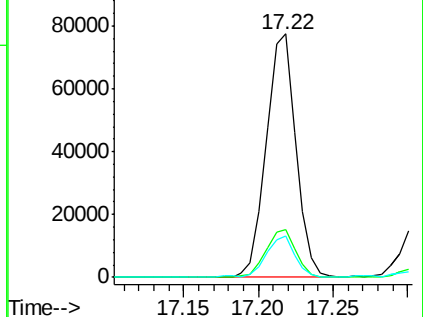
179 17.0 13.0 19.6



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: 4.55 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.09 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

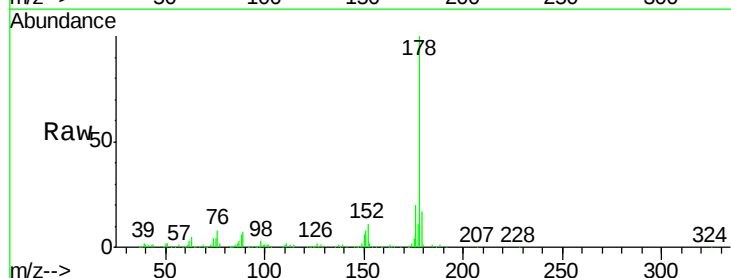
Tgt Ion:178 Resp: 106892

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

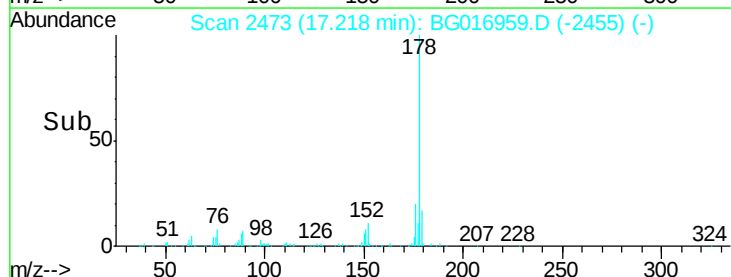
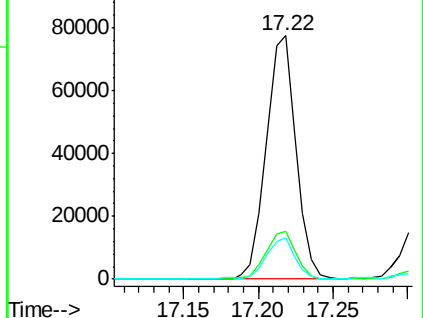
179 17.0 13.1 19.7

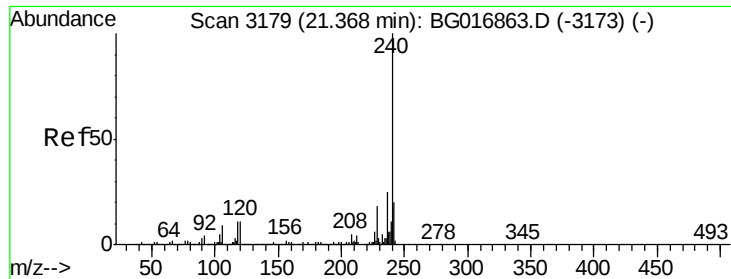


Abundance Ion 178.00 (177.70 to 178.70): E

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: 21.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

Instrument :

BNA_G

ClientSampleId :

DBMW-03DL

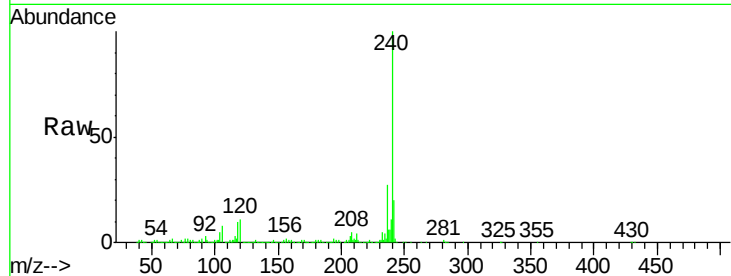
Tgt Ion:240 Resp: 460003

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

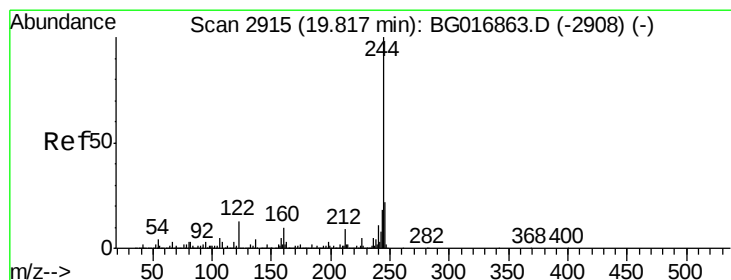
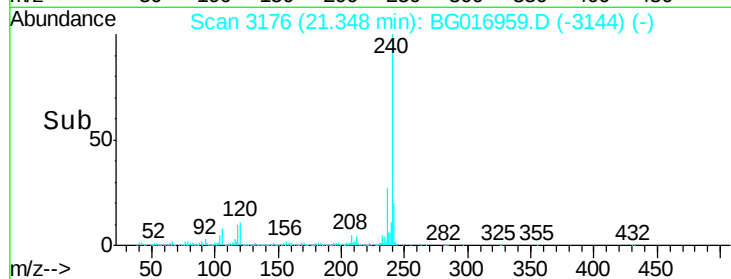
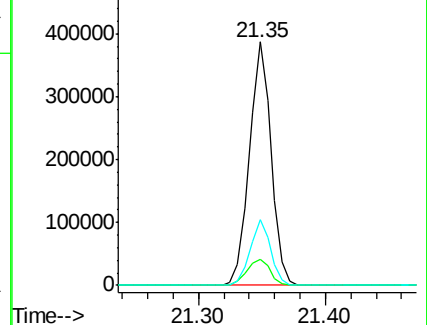
236 26.7 20.2 30.4



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: 9.66 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG016959.D

Acq: 8 May 2015 16:34

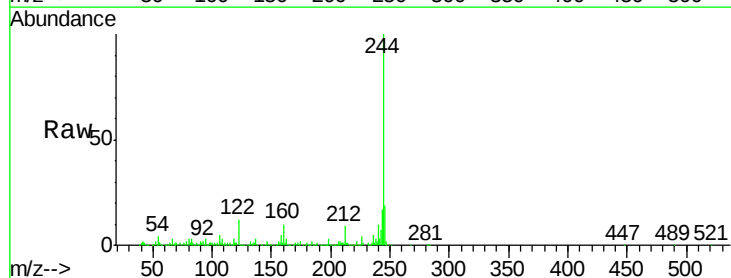
Tgt Ion:244 Resp: 189533

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

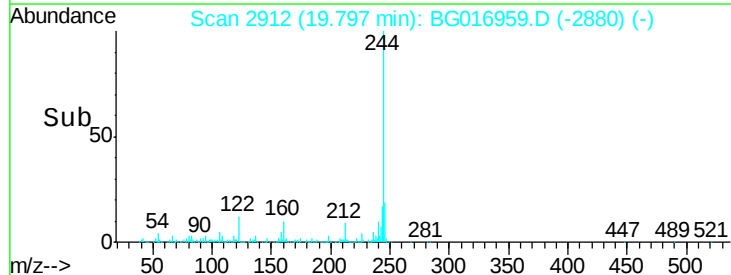
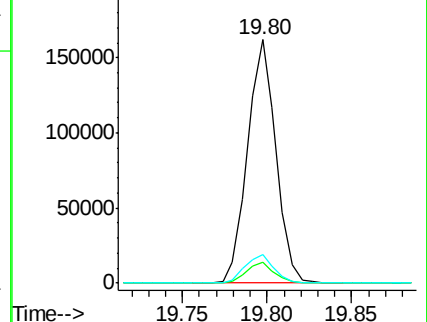
122 11.6 10.4 15.6

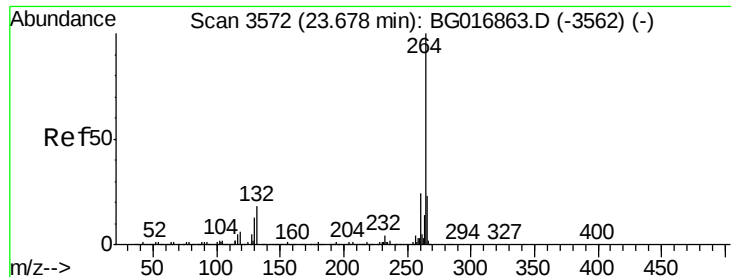


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.65 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BG016959.D
Acq: 8 May 2015 16:34

Instrument :
BNA_G
ClientSampleId :
DBMW-03DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.2	18.5	27.7

