

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG016960.D
 Acq On : 8 May 2015 17:09
 Operator : TP/IZ
 Sample : G2038-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL

Quant Time: May 09 00:05:49 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	56115	20.00	ng	0.00
21) Naphthalene-d8	10.60	136	280865	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	184580	20.00	ng	0.00
63) Phenanthrene-d10	17.17	188	415618	20.00	ng	0.00
75) Chrysene-d12	21.35	240	401100	20.00	ng	-0.01
86) Perylene-d12	23.65	264	396021	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	49822	15.46	ng	0.00
7) Phenol-d6	6.95	99	52635	11.43	ng	-0.01
23) Nitrobenzene-d5	8.95	82	119491	20.78	ng	0.00
41) 2,4,6-Tribromophenol	15.91	330	66603	35.94	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	265506	21.71	ng	0.00
78) Terphenyl-d14	19.80	244	387379	22.64	ng	-0.01

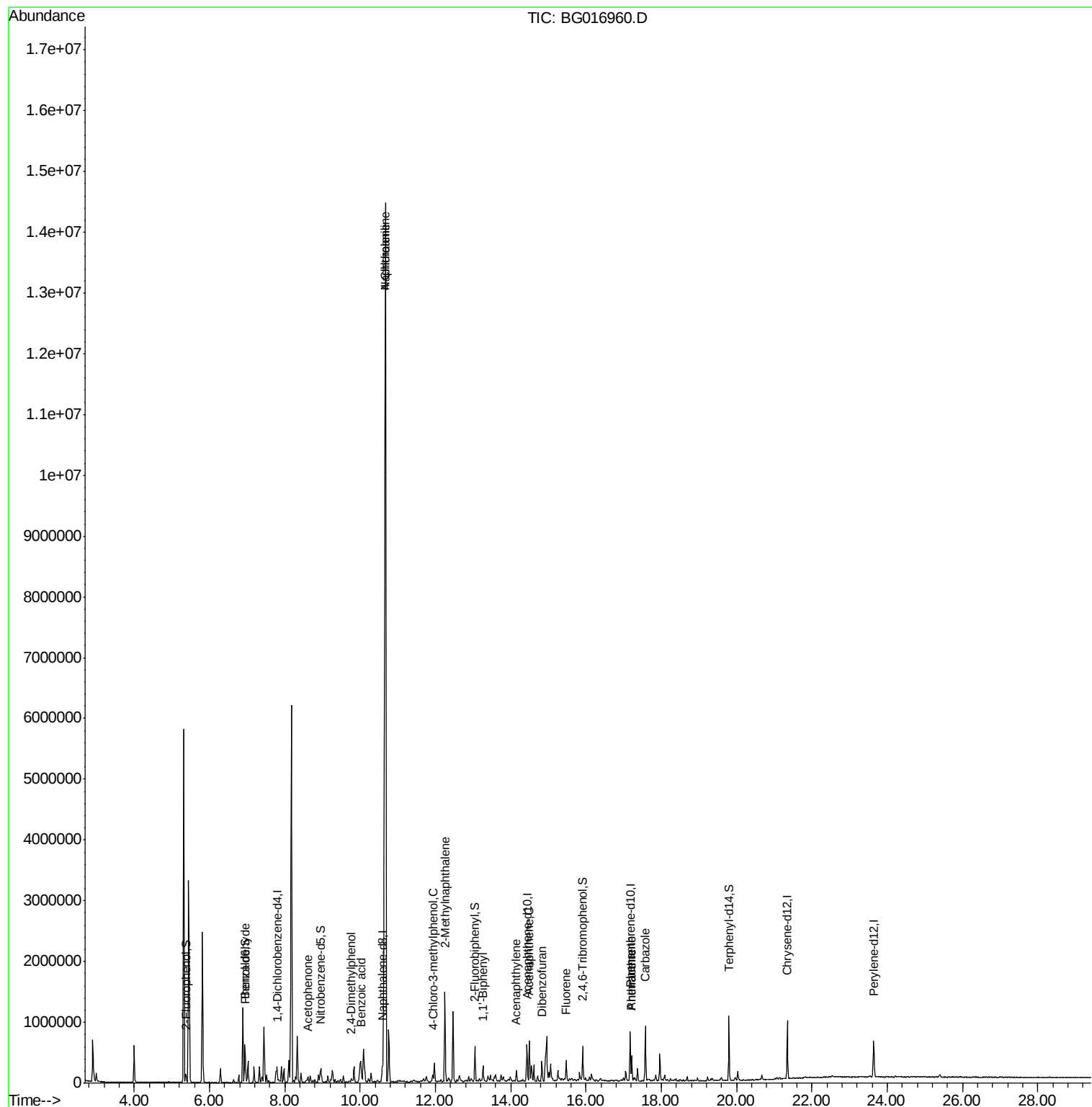
Target Compounds						Qvalue
9) Benzaldehyde	6.94	77	56767	15.34	ng	# 1
22) Acetophenone	8.61	105	48864	7.30	ng	# 93
27) 2,4-Dimethylphenol	9.77	122	19128	4.47	ng	99
31) Naphthalene	10.67	128	8293103	593.65	ng	# 16
32) Benzoic acid	10.04	122	23141	11.92	ng	# 25
33) 4-Chloroaniline	10.67	127	2749477	426.17	ng	# 31
36) 4-Chloro-3-methylphenol	11.93	107	24306	4.70	ng	# 20
37) 2-Methylnaphthalene	12.25	142	643108	60.44	ng	97
45) 1,1'-Biphenyl	13.26	154	121045	9.16	ng	98
48) Acenaphthylene	14.15	152	72191	3.96	ng	97
51) Acenaphthene	14.49	154	234211	21.59	ng	97
54) Dibenzofuran	14.83	168	164650	10.69	ng	93
57) Fluorene	15.48	166	137178	10.06	ng	99
70) Phenanthrene	17.22	178	233442	10.91	ng	97
71) Anthracene	17.22	178	233442	10.82	ng	97
72) Carbazole	17.58	167	508183	24.77	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: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

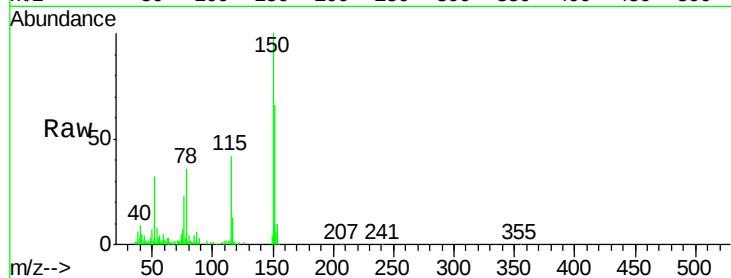
Tgt Ion:152 Resp: 56115

Ion Ratio Lower Upper

152 100

150 151.7 121.0 181.4

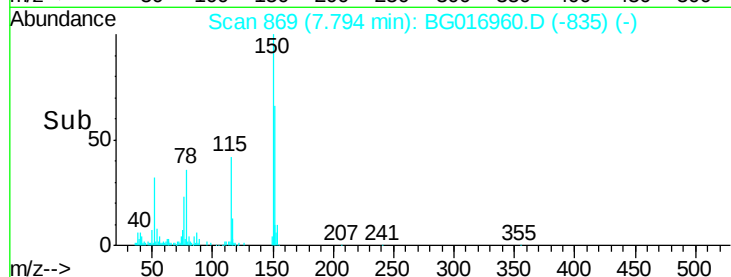
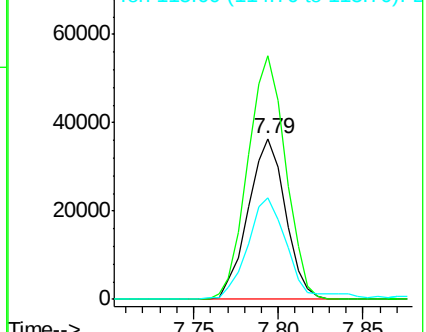
115 63.2 50.5 75.7



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: 15.46 ng

RT: 5.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

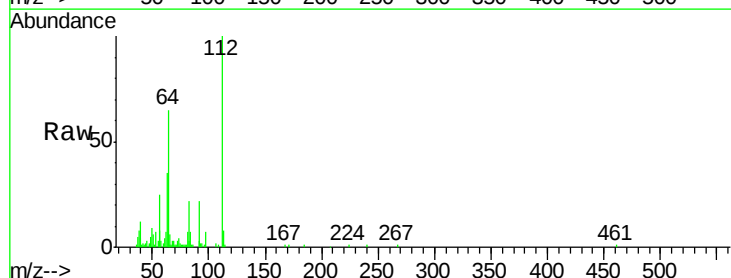
Tgt Ion:112 Resp: 49822

Ion Ratio Lower Upper

112 100

64 64.9 51.4 77.2

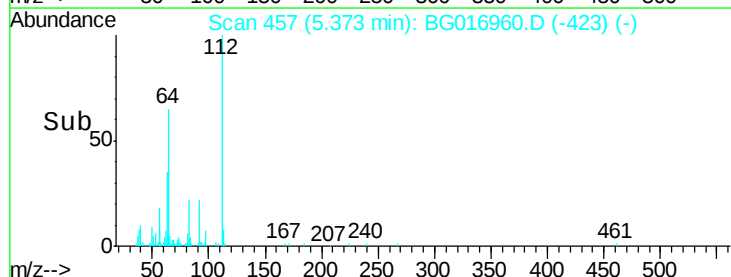
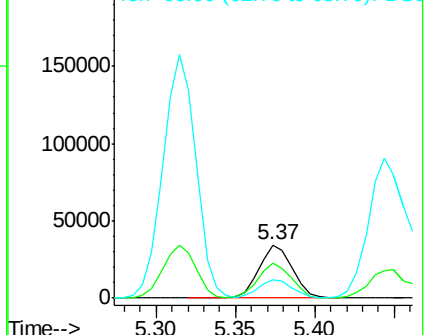
63 34.8 28.1 42.1

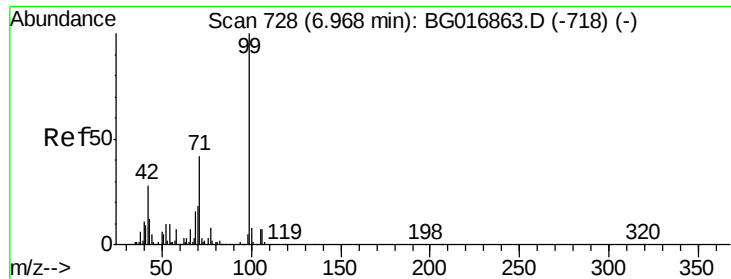


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 11.43 ng

RT: 6.95 min Scan# 726

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

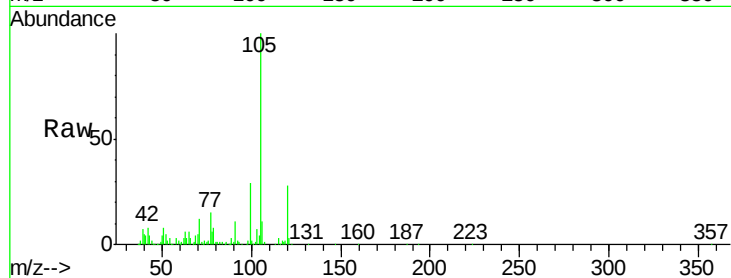
Tgt Ion: 99 Resp: 52635

Ion Ratio Lower Upper

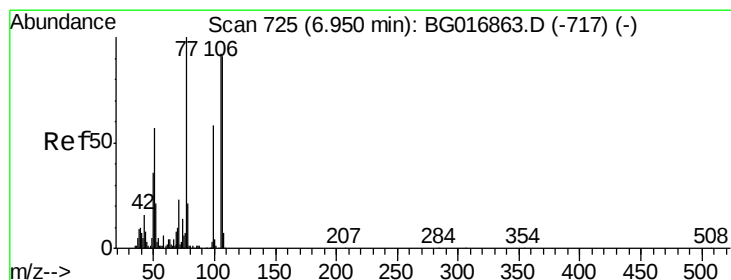
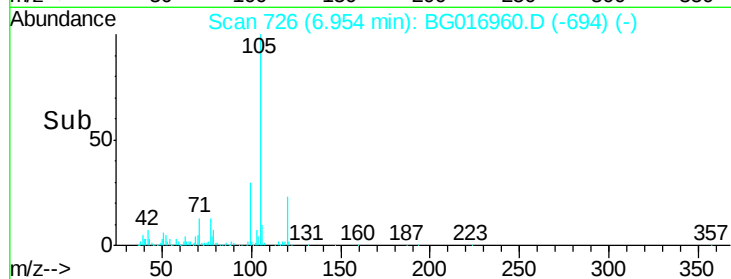
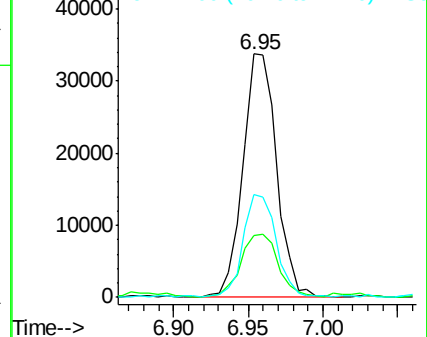
99 100

42 25.6 22.1 33.1

71 42.4 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



#9

Benzaldehyde

Concen: 15.34 ng

RT: 6.94 min Scan# 724

Delta R.T. 0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

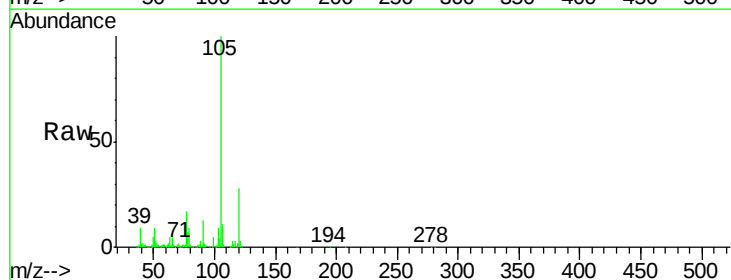
Tgt Ion: 77 Resp: 56767

Ion Ratio Lower Upper

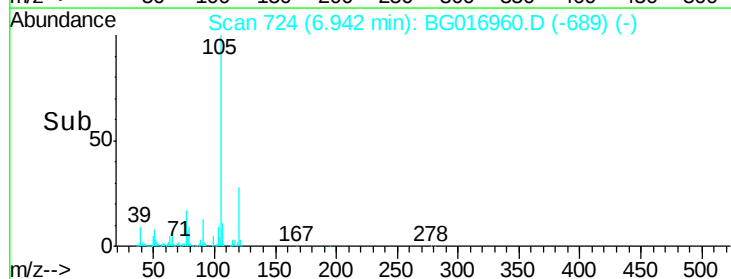
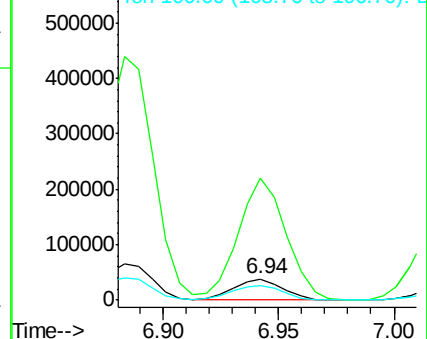
77 100

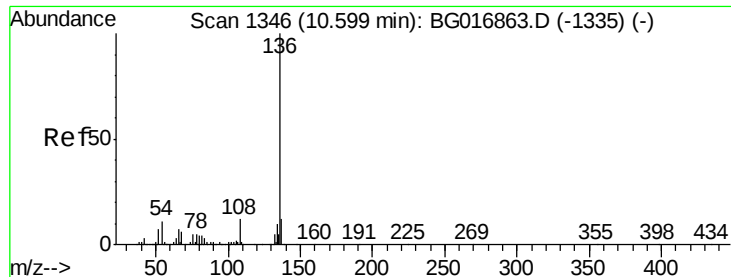
105 577.7 71.6 111.6#

106 65.9 71.5 111.5#



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

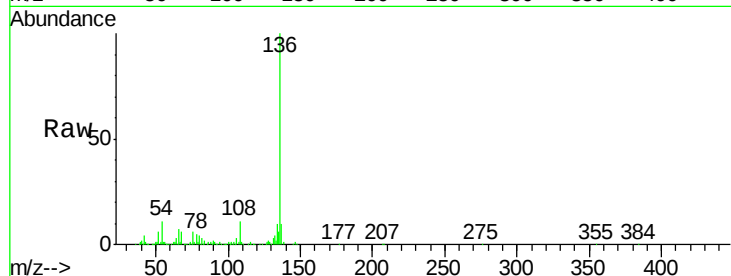




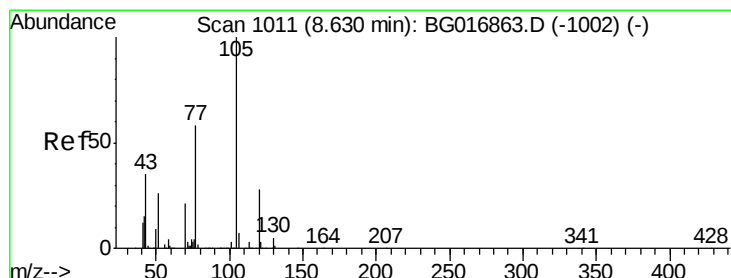
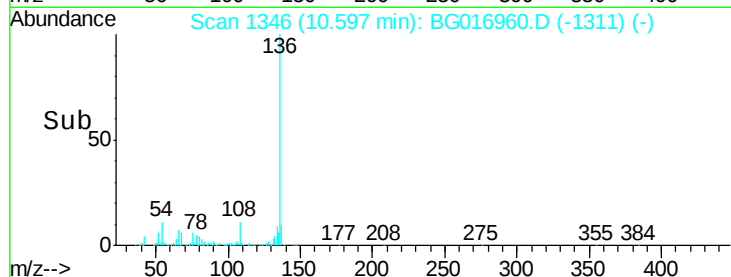
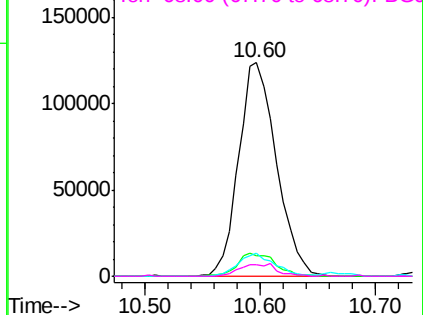
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.60 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL

Tgt Ion:	136	Resp:	280865
Ion Ratio	Lower	Upper	
136	100		
137	9.6	9.8	14.8#
54	10.8	8.7	13.1
68	5.7	5.0	7.4

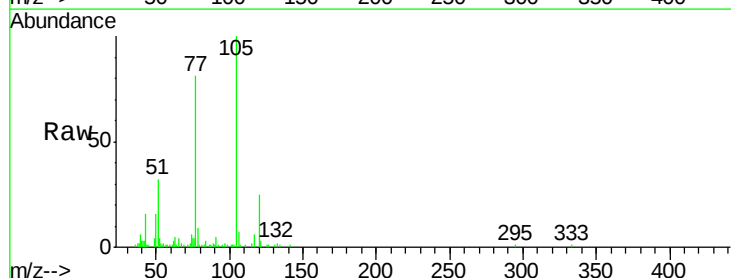


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

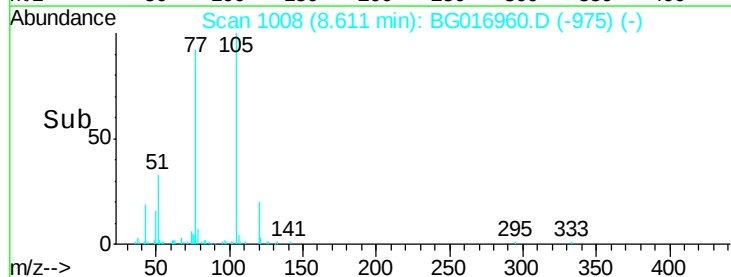
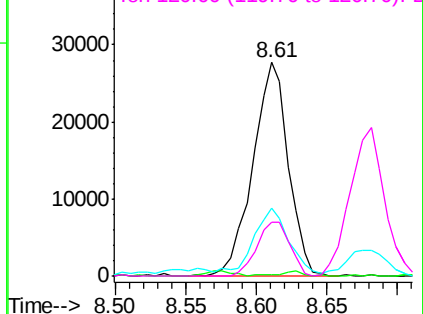


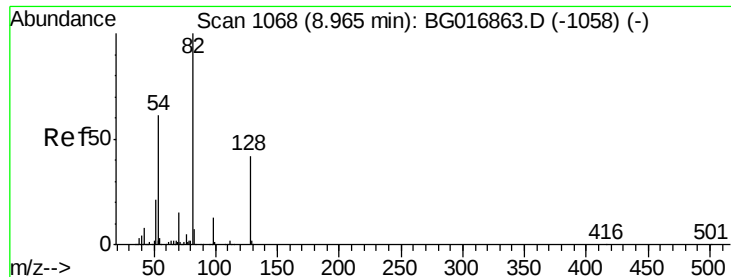
#22
Acetophenone
Concen: 7.30 ng
RT: 8.61 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Tgt Ion:	105	Resp:	48864
Ion Ratio	Lower	Upper	
105	100		
71	0.8	2.8	4.2#
51	31.8	29.4	44.2
120	25.5	22.2	33.4



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

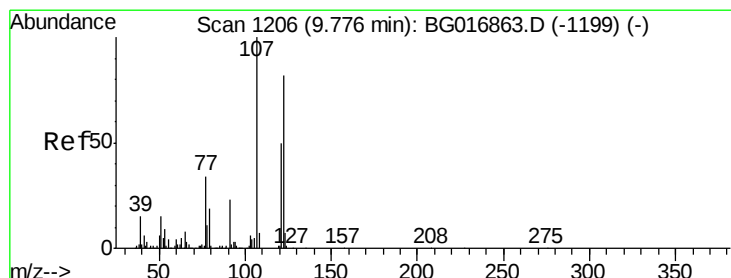
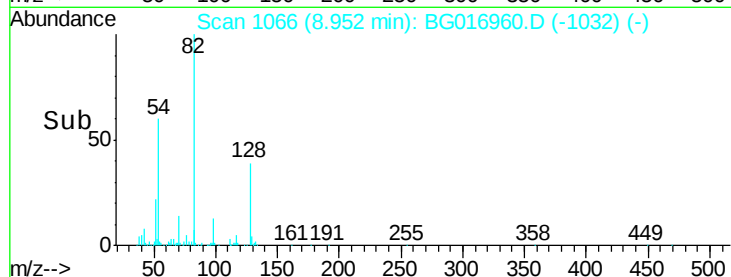
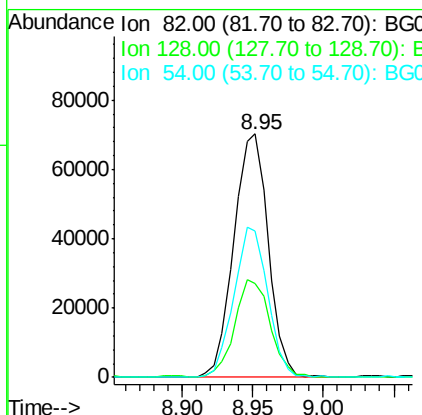
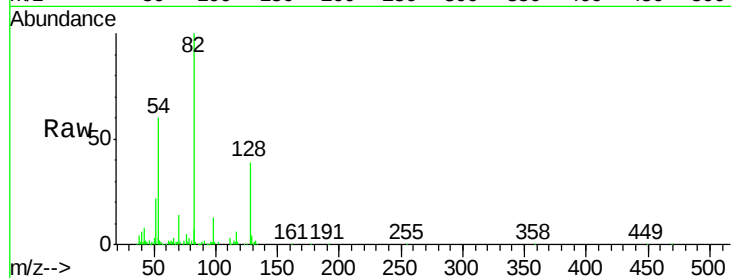




#23
 Nitrobenzene-d5
 Concen: 20.78 ng
 RT: 8.95 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

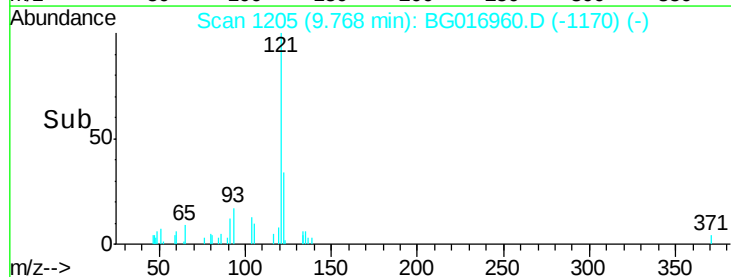
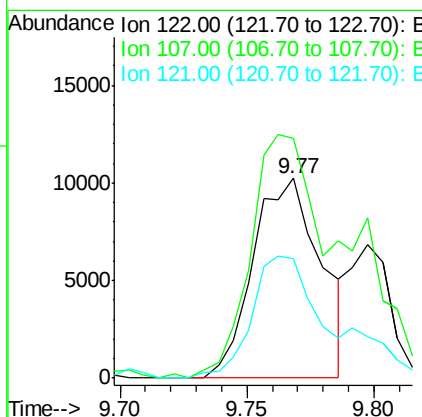
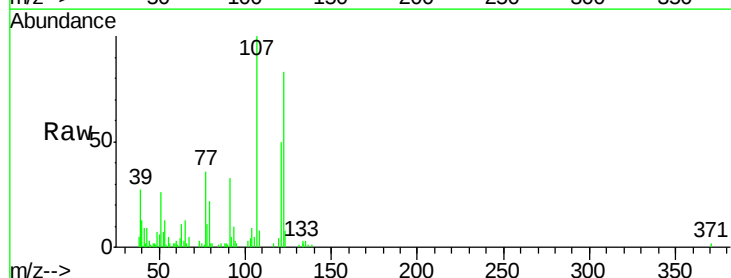
Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL

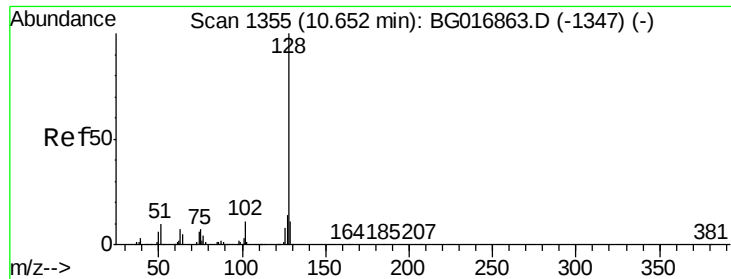
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.2	49.8
54	60.2	48.6	72.8



#27
 2,4-Dimethylphenol
 Concen: 4.47 ng
 RT: 9.77 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

Tgt Ion	Ratio	Lower	Upper
122	100		
107	120.3	97.6	146.4
121	59.8	48.4	72.6

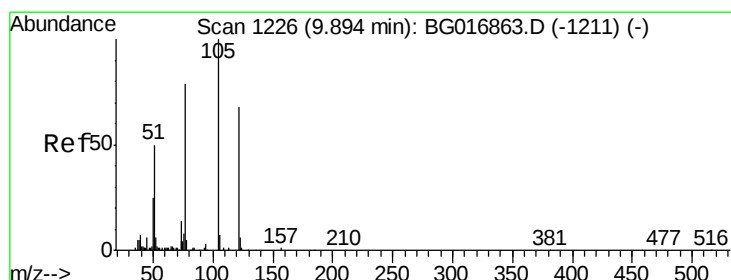
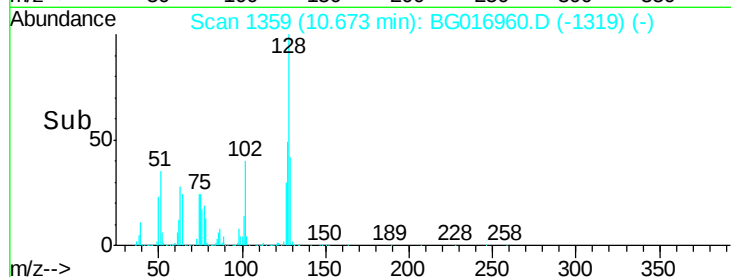
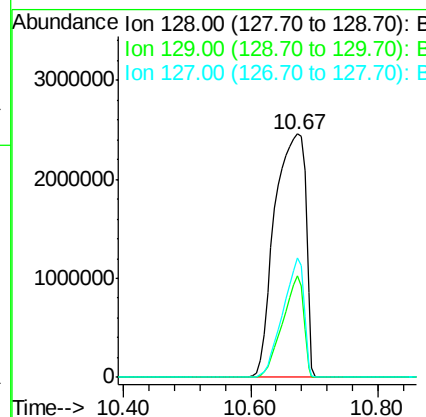
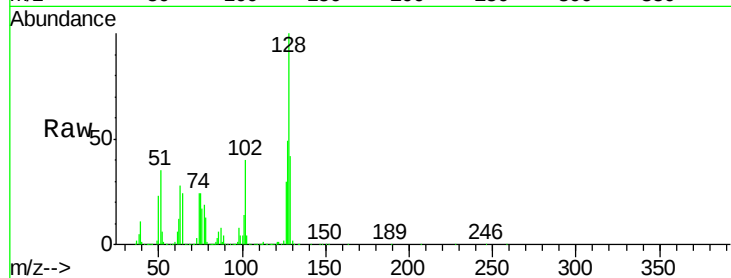




#31
Naphthalene
Concen: 593.65 ng
RT: 10.67 min Scan# 1359
Delta R.T. 0.04 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

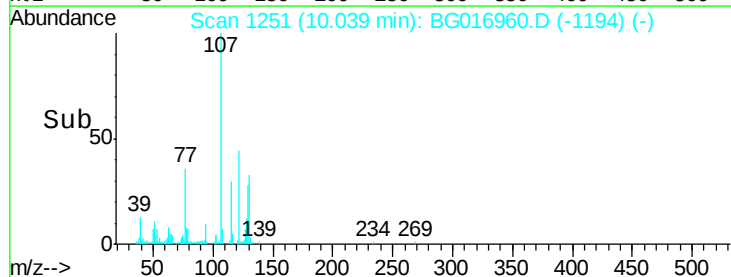
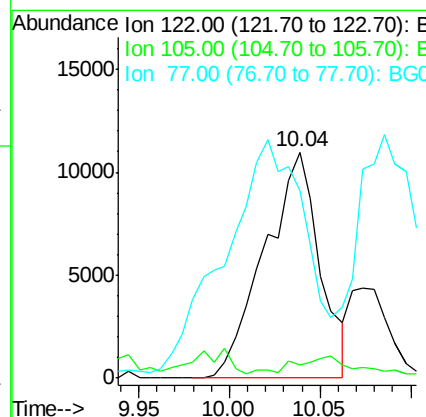
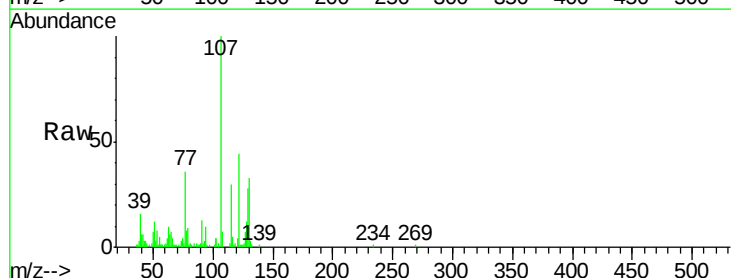
Instrument :
BNA_G
ClientSampleId :
DBMW-01DL

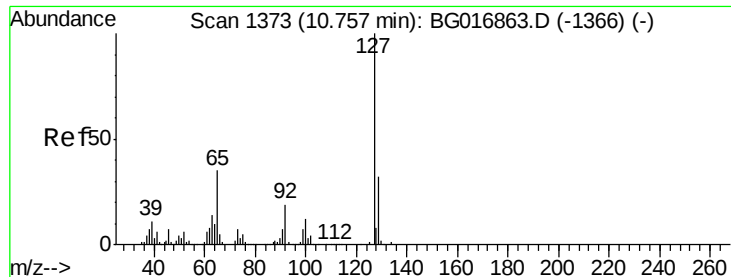
Tgt Ion:128 Resp: 8293103
Ion Ratio Lower Upper
128 100
129 41.7 9.1 13.7#
127 49.2 10.9 16.3#



#32
Benzoic acid
Concen: 11.92 ng
RT: 10.04 min Scan# 1251
Delta R.T. 0.14 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Tgt Ion:122 Resp: 23141
Ion Ratio Lower Upper
122 100
105 5.7 123.2 163.2#
77 82.8 93.0 133.0#

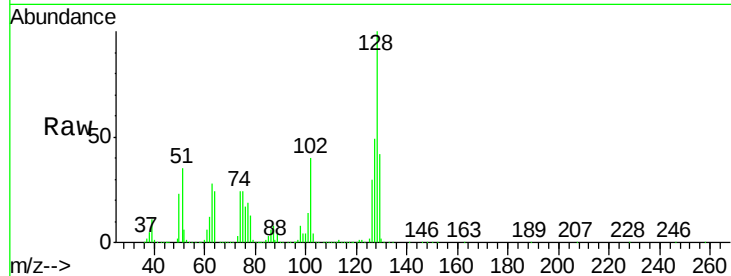




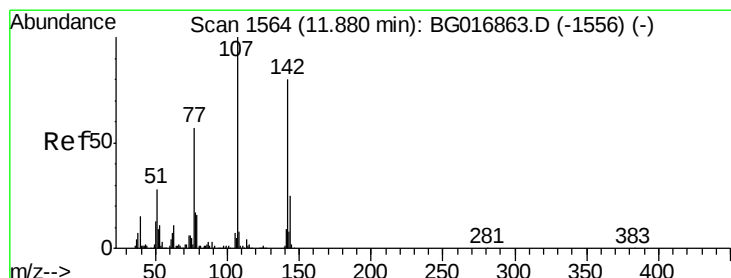
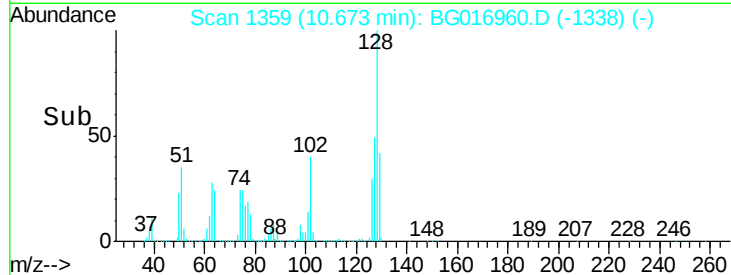
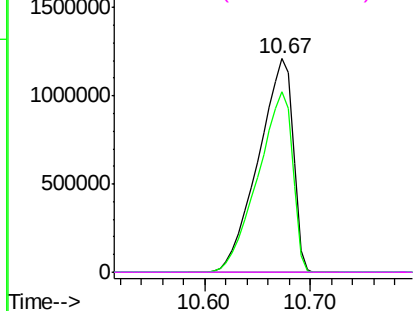
#33
4-Chloroaniline
Concen: 426.17 ng
RT: 10.67 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL

Tgt Ion:127 Resp: 2749477
Ion Ratio Lower Upper
127 100
129 84.7 25.8 38.6#
65 0.0 28.2 42.2#
92 0.0 15.6 23.4#

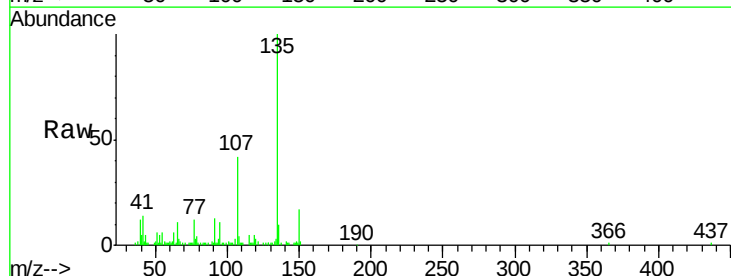


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

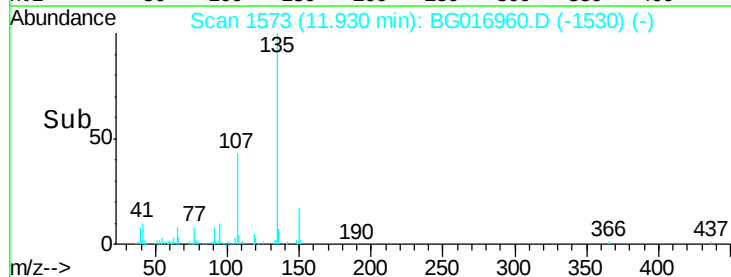
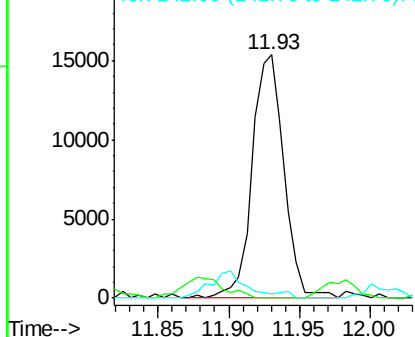


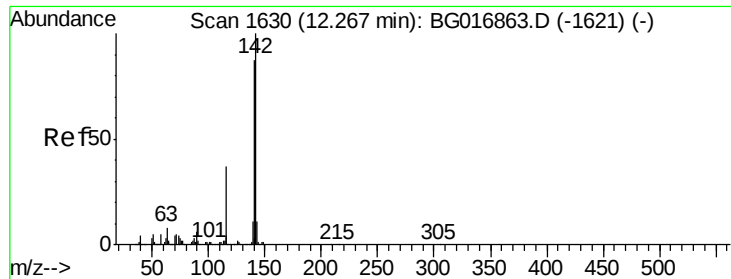
#36
4-Chloro-3-methylphenol
Concen: 4.70 ng
RT: 11.93 min Scan# 1573
Delta R.T. 0.05 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Tgt Ion:107 Resp: 24306
Ion Ratio Lower Upper
107 100
144 0.0 20.2 30.2#
142 1.6 64.2 96.2#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

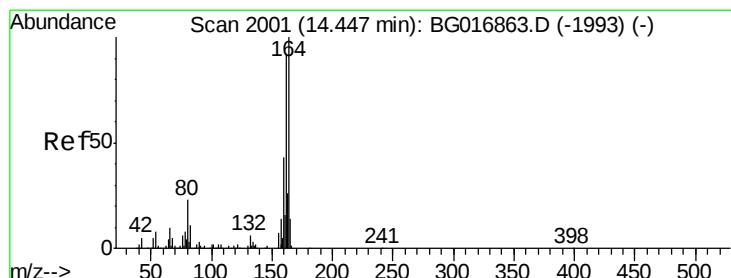
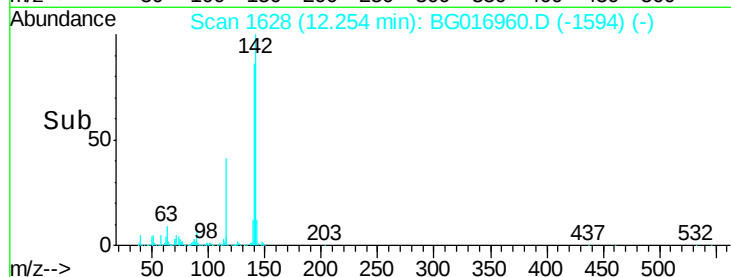
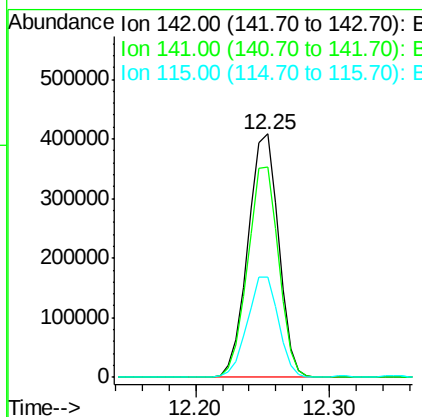
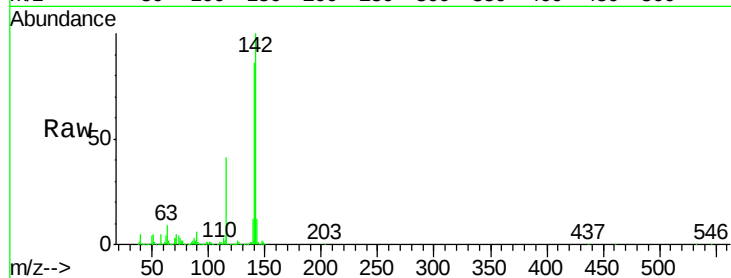




#37
2-Methylnaphthalene
Concen: 60.44 ng
RT: 12.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

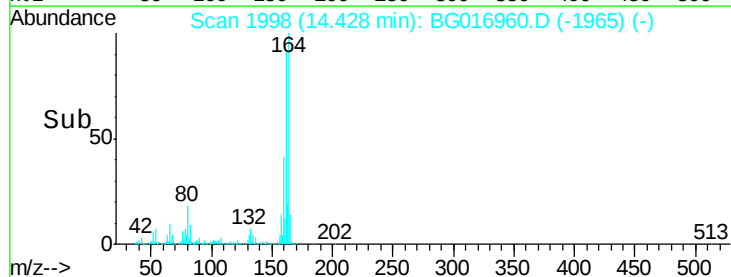
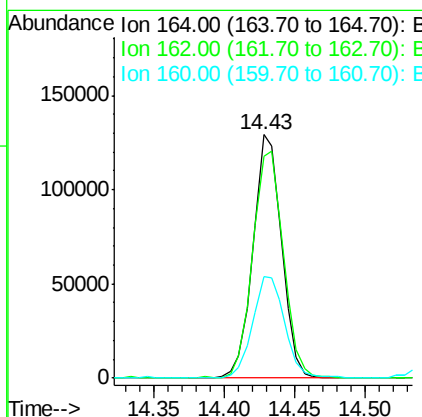
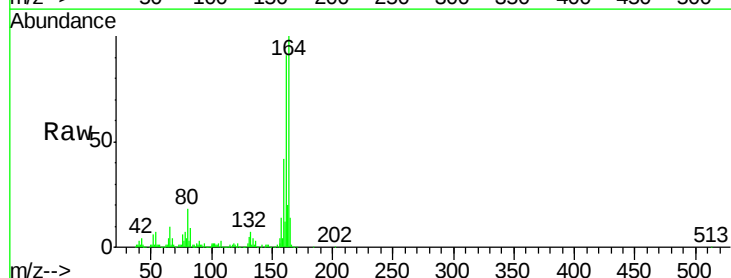
Instrument :
BNA_G
ClientSampleId :
DBMW-01DL

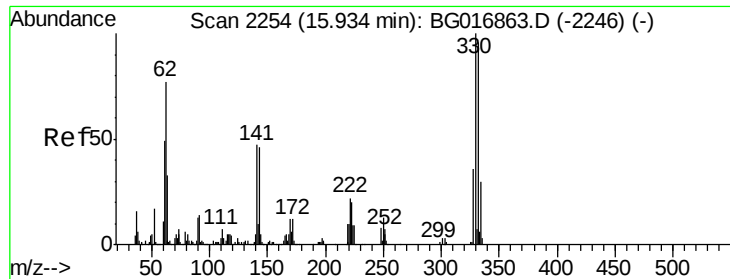
Tgt Ion:142 Resp: 643108
Ion Ratio Lower Upper
142 100
141 86.2 69.9 104.9
115 41.0 29.8 44.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.43 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BG016960.D
Acq: 8 May 2015 17:09

Tgt Ion:164 Resp: 184580
Ion Ratio Lower Upper
164 100
162 91.3 74.0 111.0
160 41.5 34.7 52.1

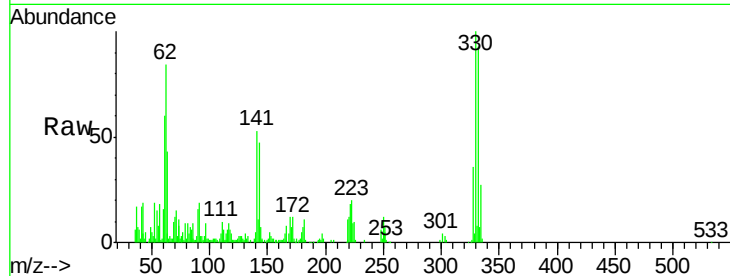




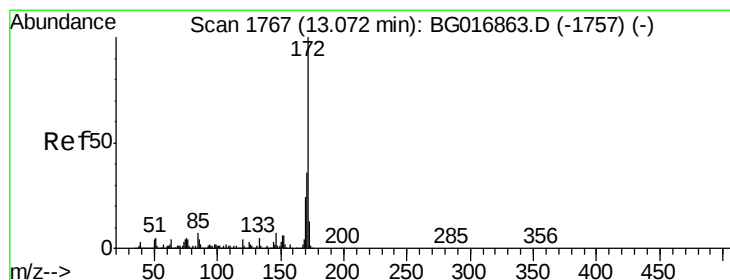
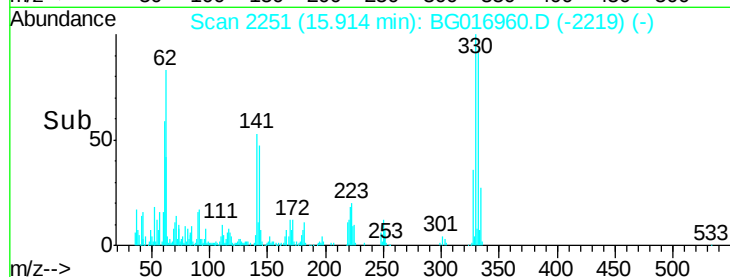
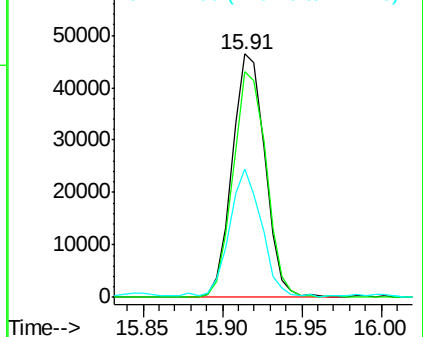
#41
 2,4,6-Tribromophenol
 Concen: 35.94 ng
 RT: 15.91 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL

Tgt Ion:330 Resp: 66603
 Ion Ratio Lower Upper
 330 100
 332 94.3 0.0 0.0#
 141 52.3 0.0 0.0#

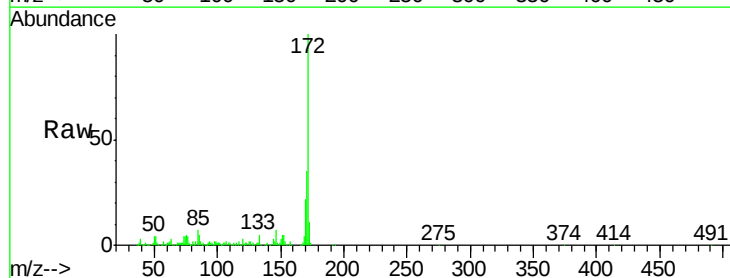


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

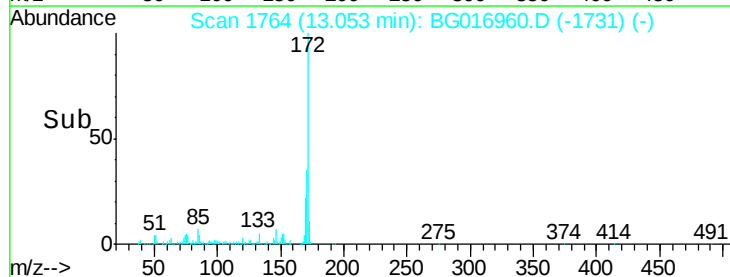
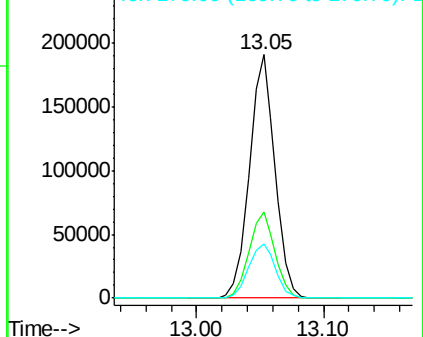


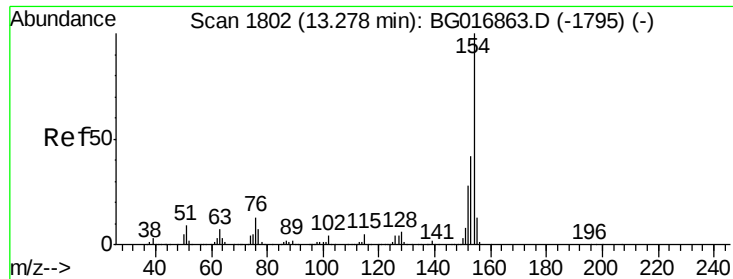
#44
 2-Fluorobiphenyl
 Concen: 21.71 ng
 RT: 13.05 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

Tgt Ion:172 Resp: 265506
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.4
 170 22.2 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

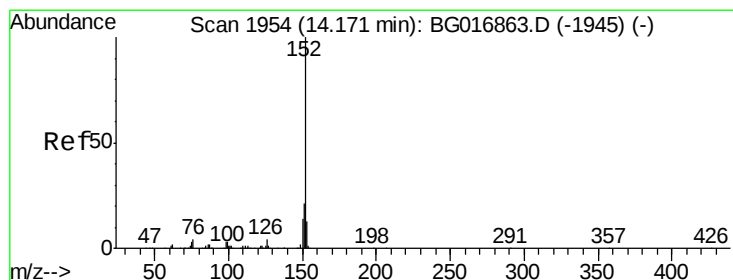
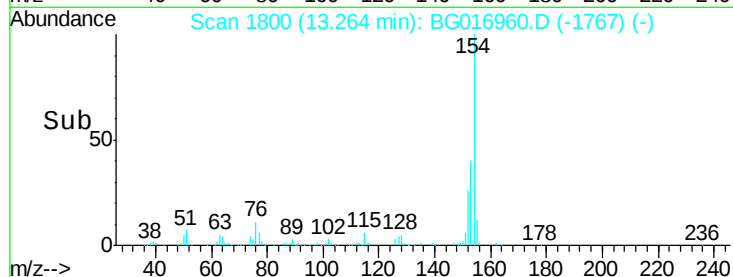
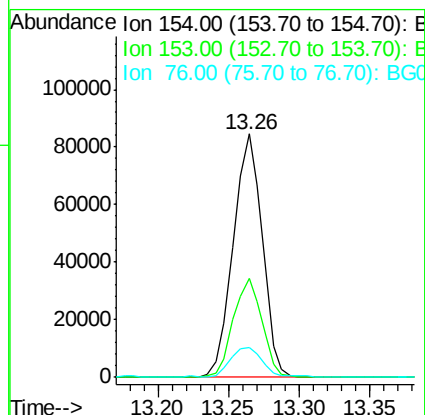
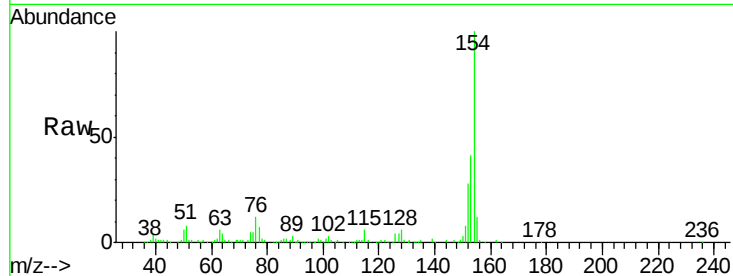




#45
 1,1'-Biphenyl
 Concen: 9.16 ng
 RT: 13.26 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

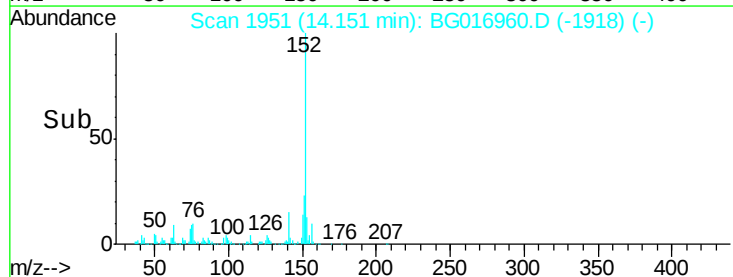
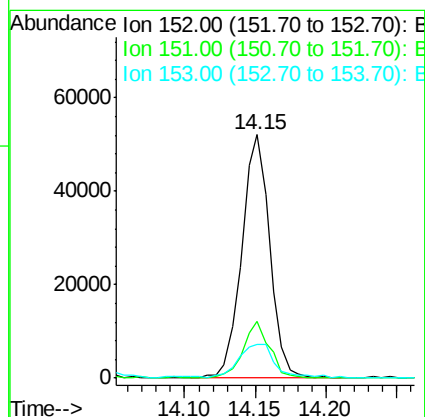
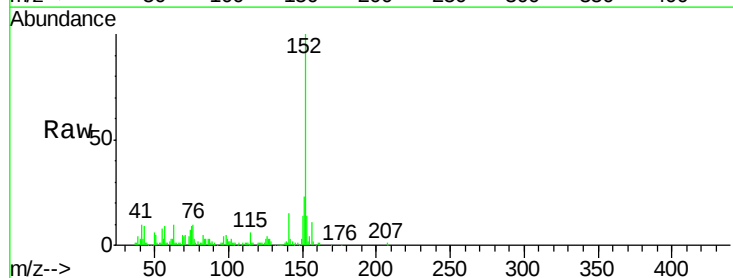
Instrument :
 BNA_G
 ClientSampleID :
 DBMW-01DL

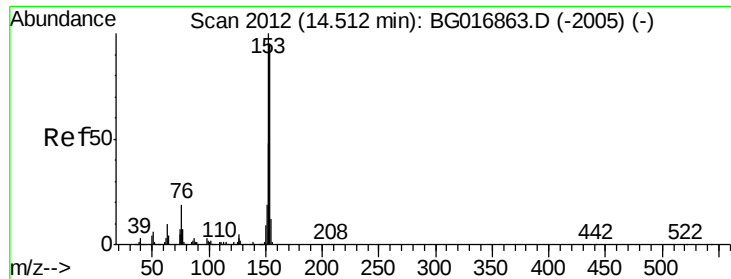
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	22.0	62.0
76	12.3	0.0	33.3



#48
 Acenaphthylene
 Concen: 3.96 ng
 RT: 14.15 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: BG016960.D
 Acq: 8 May 2015 17:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.3	17.0	25.4
153	13.9	10.7	16.1





#51

Acenaphthene

Concen: 21.59 ng

RT: 14.49 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

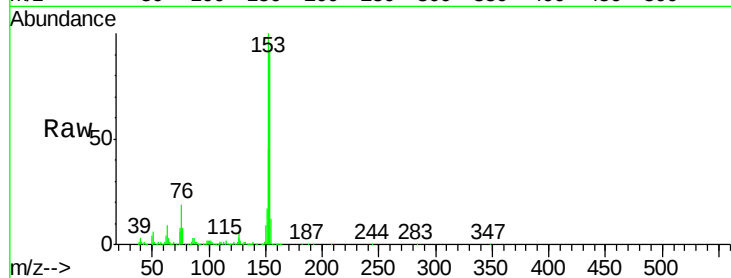
Tgt Ion:154 Resp: 234211

Ion Ratio Lower Upper

154 100

153 108.9 84.2 126.4

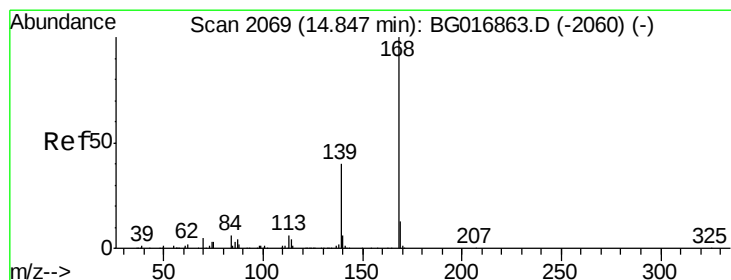
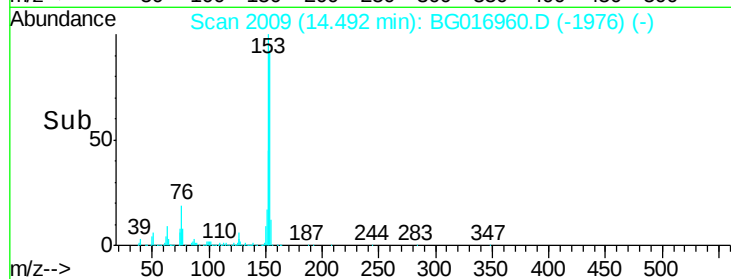
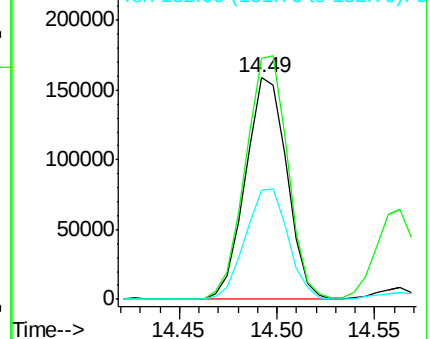
152 49.3 40.2 60.2



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



#54

Dibenzofuran

Concen: 10.69 ng

RT: 14.83 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

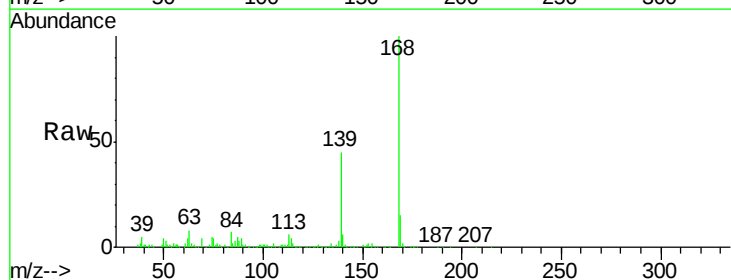
Tgt Ion:168 Resp: 164650

Ion Ratio Lower Upper

168 100

139 45.3 32.5 48.7

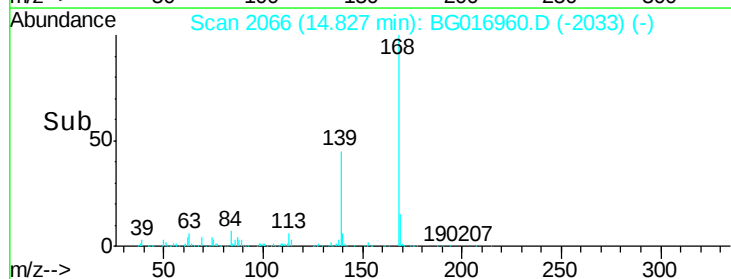
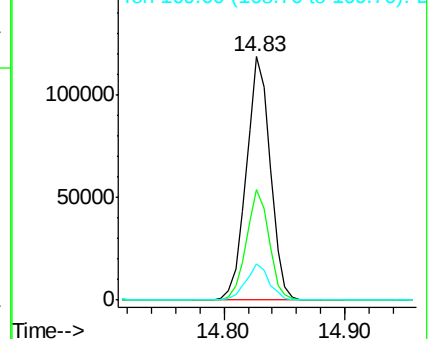
169 14.7 10.4 15.6

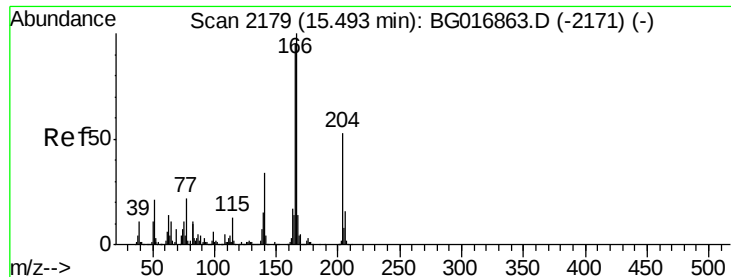


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.06 ng

RT: 15.48 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

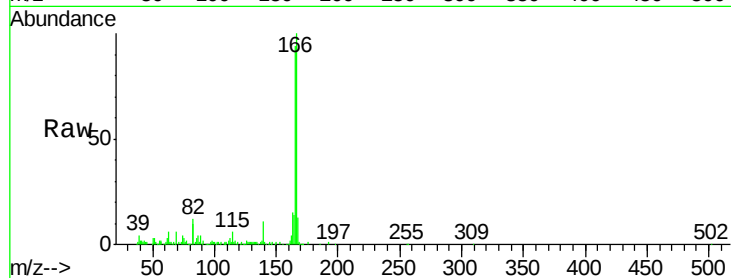
Tgt Ion:166 Resp: 137178

Ion Ratio Lower Upper

166 100

165 94.4 76.1 114.1

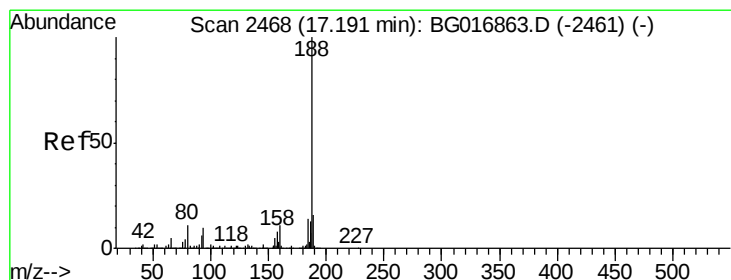
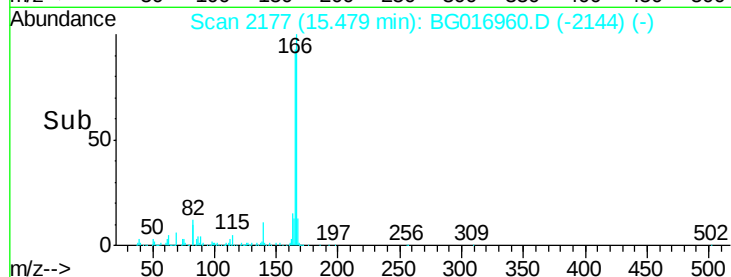
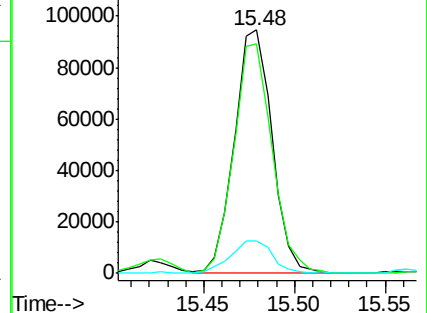
167 13.1 11.4 17.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

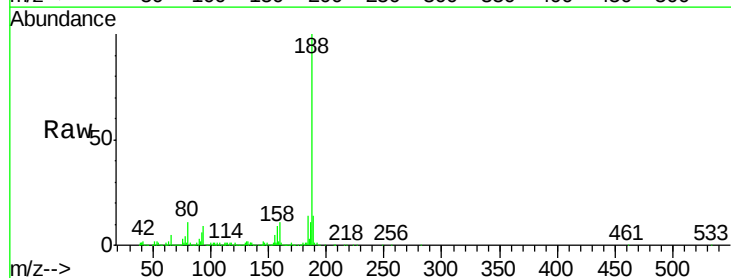
Tgt Ion:188 Resp: 415618

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

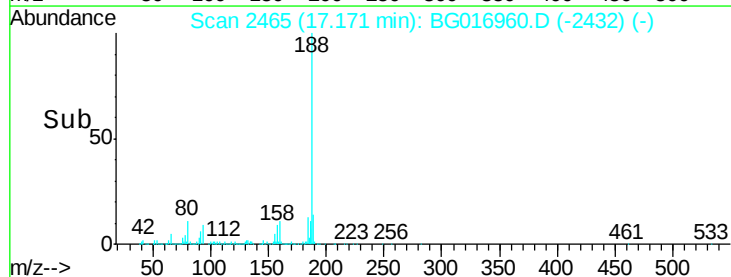
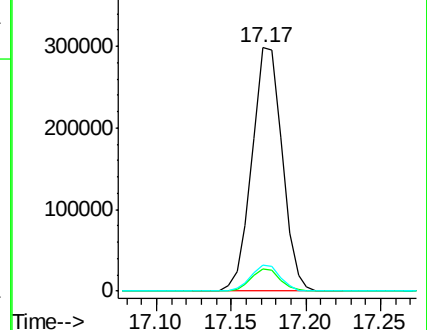
80 10.7 8.8 13.2

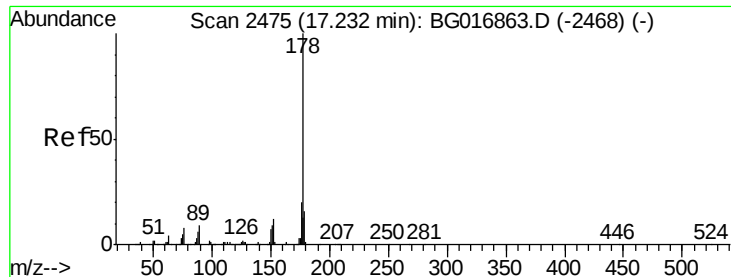


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 10.91 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

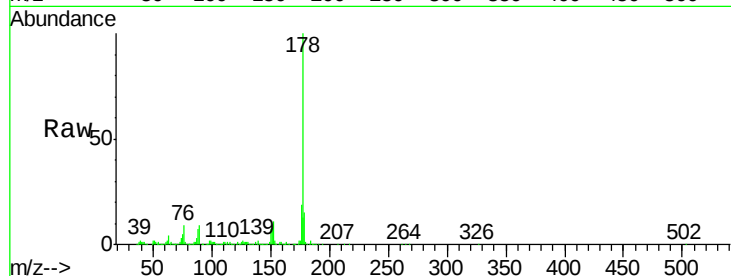
Tgt Ion:178 Resp: 233442

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

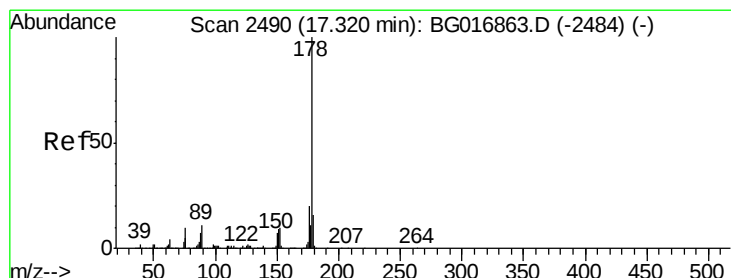
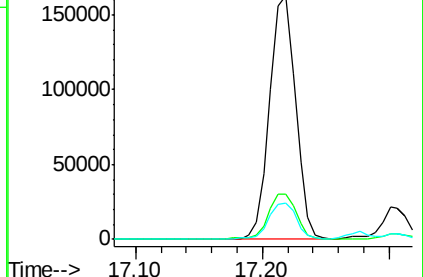
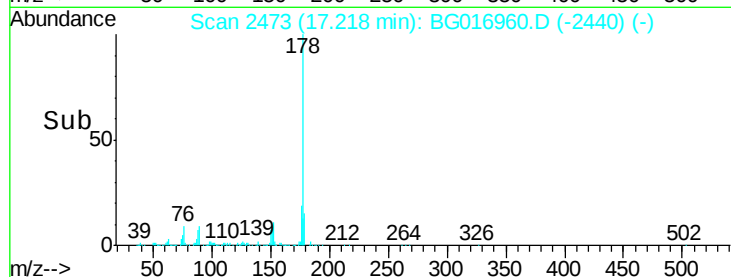
179 14.9 13.0 19.6



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: 10.82 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.09 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

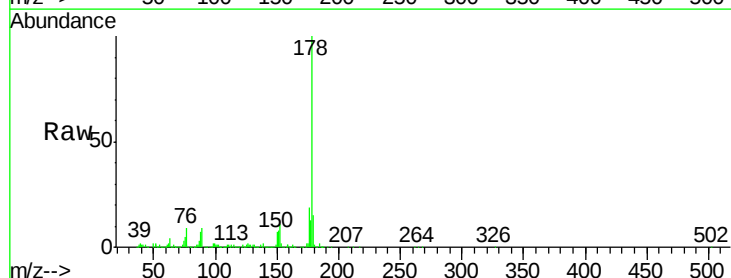
Tgt Ion:178 Resp: 233442

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.4

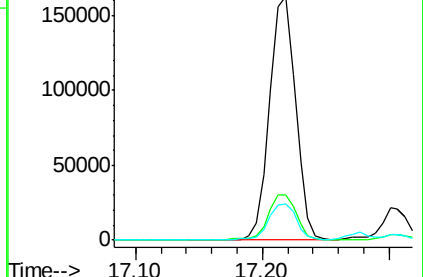
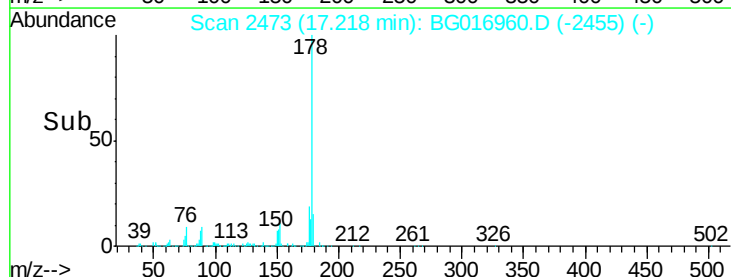
179 14.9 13.1 19.7

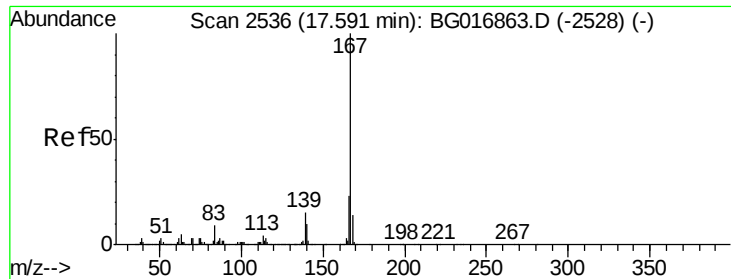


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 24.77 ng

RT: 17.58 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

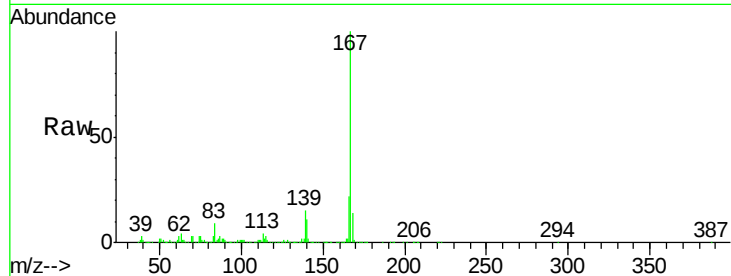
Tgt Ion:167 Resp: 508183

Ion Ratio Lower Upper

167 100

166 22.3 18.4 27.6

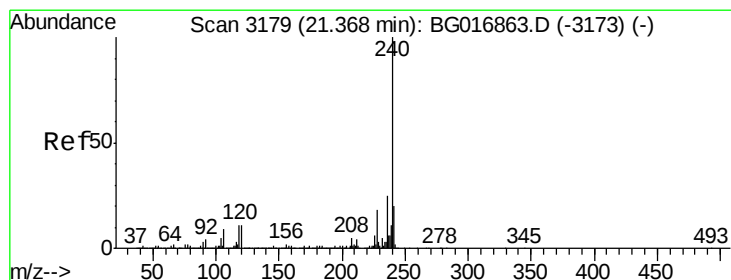
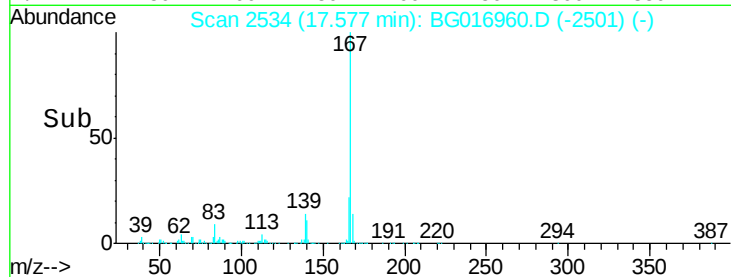
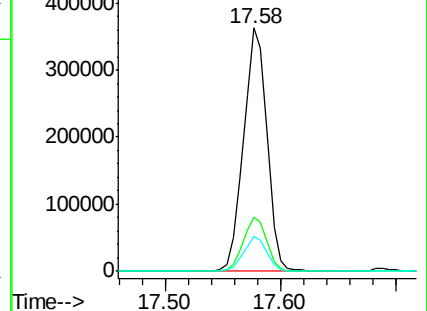
139 14.6 12.2 18.4



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: 21.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

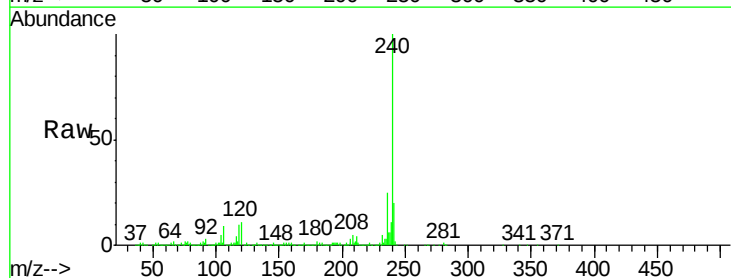
Tgt Ion:240 Resp: 401100

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

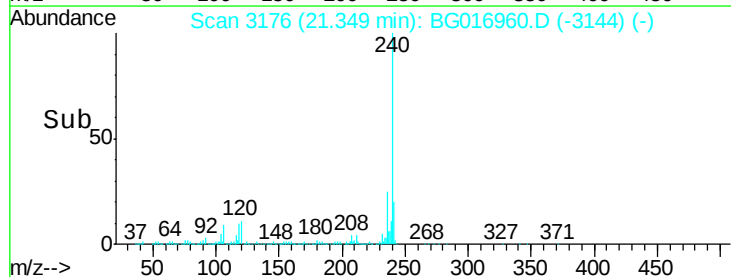
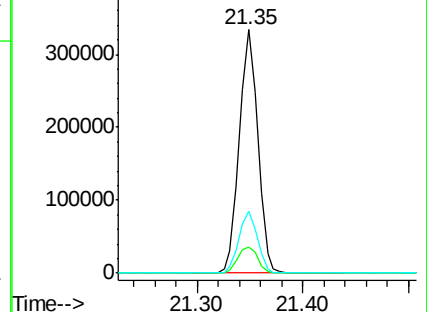
236 25.4 20.2 30.4

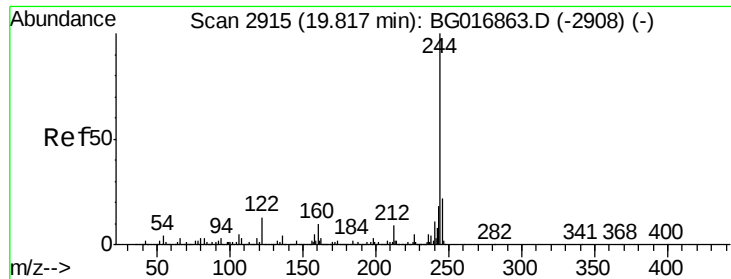


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 22.64 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG016960.D

Acq: 8 May 2015 17:09

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL

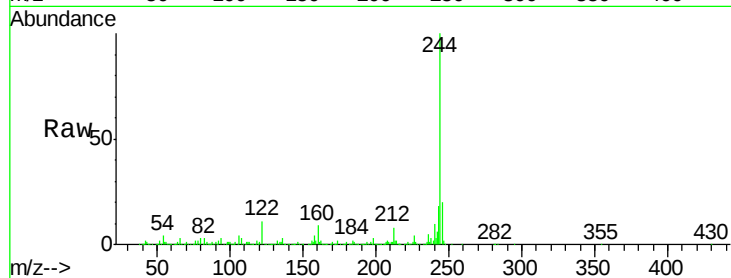
Tgt Ion:244 Resp: 387379

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

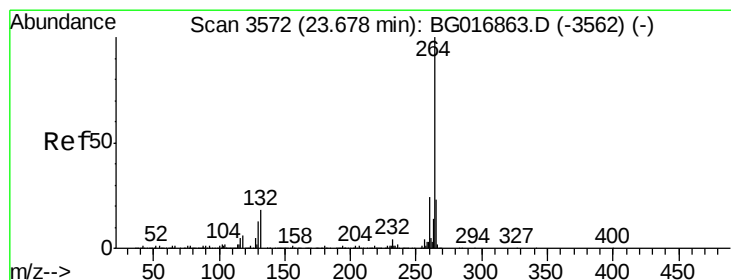
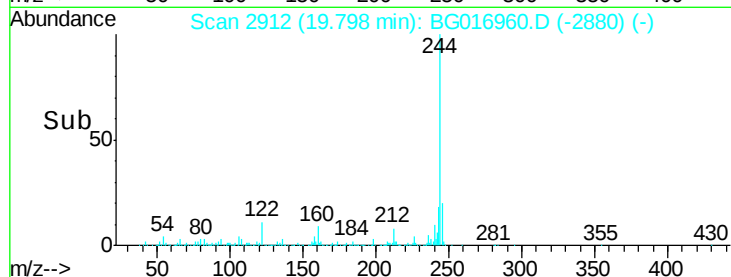
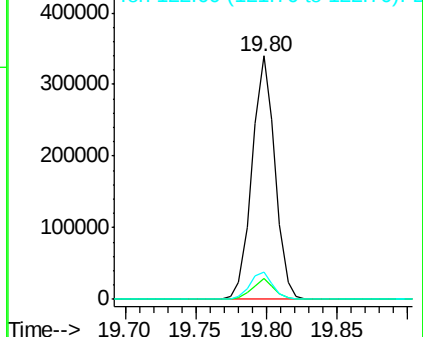
122 11.3 10.4 15.6



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: BG016960.D

Acq: 8 May 2015 17:09

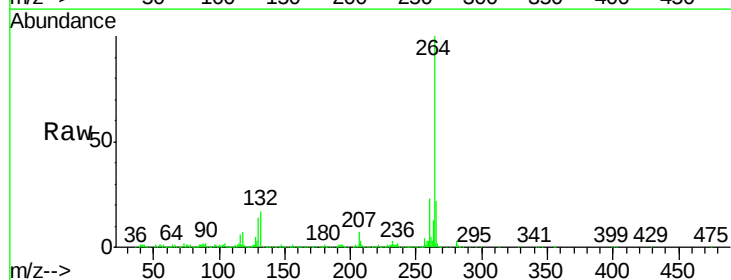
Tgt Ion:264 Resp: 396021

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.9 18.5 27.7



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

