

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\
 Data File : BG016934.D
 Acq On : 7 May 2015 23:33
 Operator : TP/IZ
 Sample : G2038-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01

Quant Time: May 08 04:29:16 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 04:04:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	82728	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	384601	20.00	ng	0.07
38) Acenaphthene-d10	14.44	164	219105	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	436016	20.00	ng	0.00
75) Chrysene-d12	21.36	240	440140	20.00	ng	0.00
86) Perylene-d12	23.66	264	420421	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	335573	70.63	ng	0.01
7) Phenol-d6	6.97	99	333283	49.10	ng	0.00
23) Nitrobenzene-d5	8.96	82	722248	91.74	ng	0.00
41) 2,4,6-Tribromophenol	15.93	330	352953	160.46	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	1385127	95.40	ng	0.00
78) Terphenyl-d14	19.81	244	1695866	90.32	ng	0.00

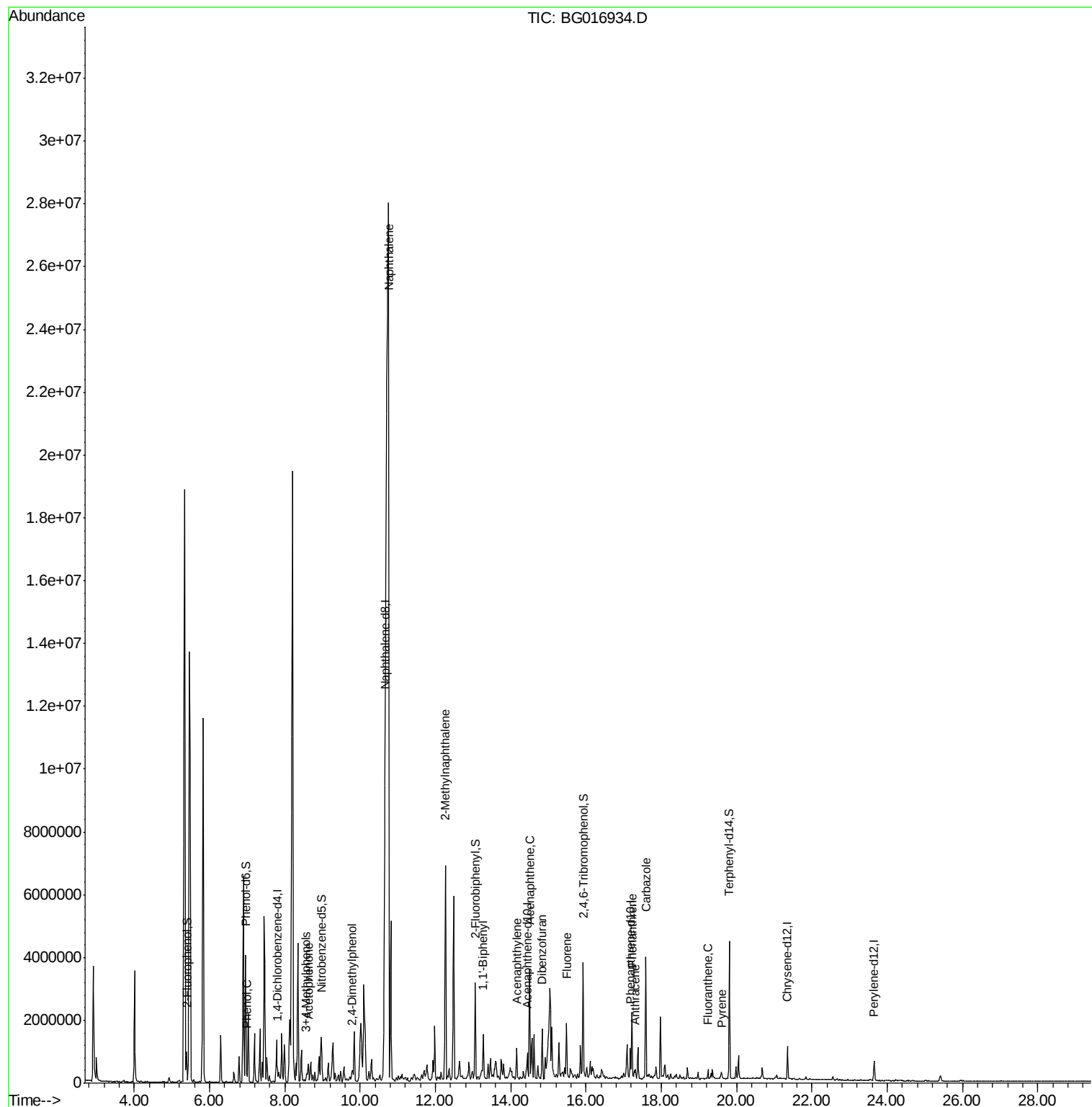
Target Compounds				Qvalue		
10) Phenol	6.99	94	67596	9.29	ng	97
20) 3+4-Methylphenols	8.56	107	48994	6.94	ng	91
22) Acetophenone	8.62	105	295231	32.23	ng	# 97
27) 2,4-Dimethylphenol	9.79	122	159802	27.28	ng	96
31) Naphthalene	10.76	128	21227578	1109.69	ng	# 1
37) 2-Methylnaphthalene	12.27	142	3040485	208.68	ng	# 91
45) 1,1'-Biphenyl	13.27	154	637873	40.66	ng	97
48) Acenaphthylene	14.16	152	402733	18.61	ng	# 97
51) Acenaphthene	14.50	154	1191056	92.49	ng	97
54) Dibenzofuran	14.84	168	854948	46.75	ng	97
57) Fluorene	15.49	166	707385	43.69	ng	99
70) Phenanthrene	17.23	178	1094460	48.78	ng	99
71) Anthracene	17.31	178	147467	6.51	ng	96
72) Carbazole	17.59	167	2140304	99.46	ng	92
74) Fluoranthene	19.24	202	147512	5.67	ng	96
77) Pyrene	19.60	202	95189	3.66	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.81 min Scan# 871

Delta R.T. 0.01 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

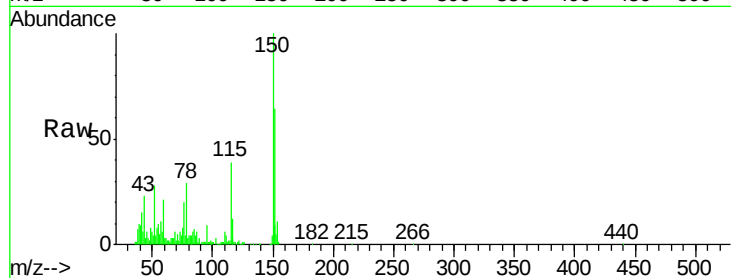
Tot Ion:152 Resp: 82728

Ion Ratio Lower Upper

152 100

150 155.2 121.0 181.4

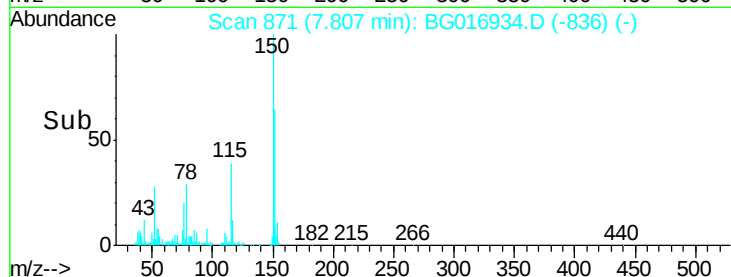
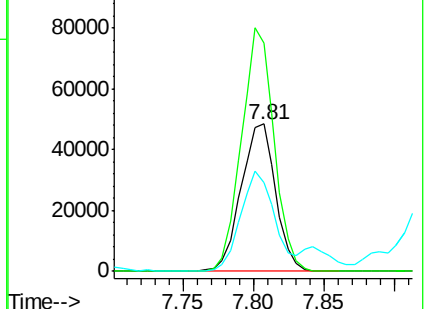
115 60.2 50.5 75.7



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: 70.63 ng

RT: 5.39 min Scan# 460

Delta R.T. 0.01 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

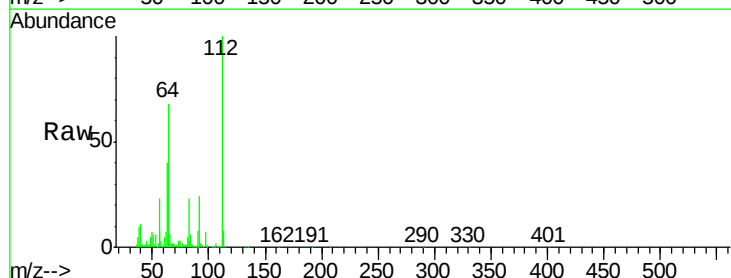
Tgt Ion:112 Resp: 335573

Ion Ratio Lower Upper

112 100

64 67.5 51.4 77.2

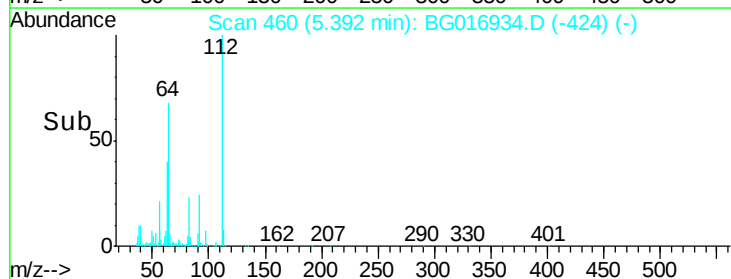
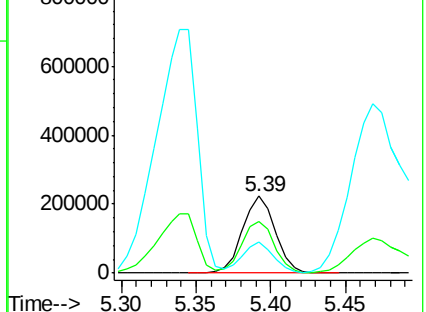
63 39.9 28.1 42.1

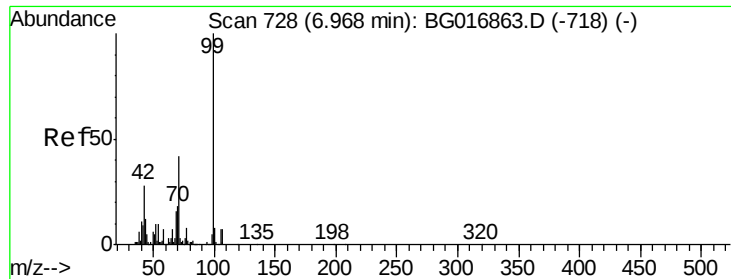


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 49.10 ng

RT: 6.97 min Scan# 728

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampled :

DBMW-01

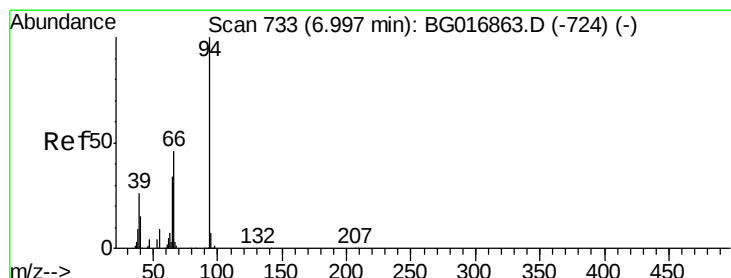
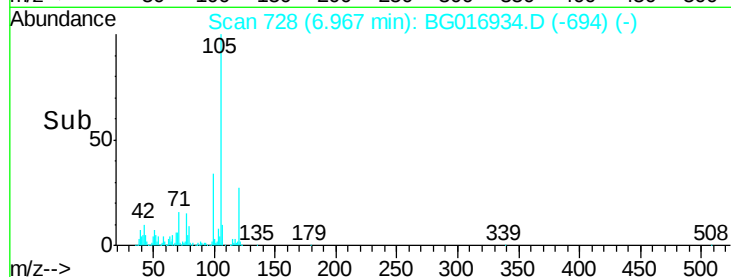
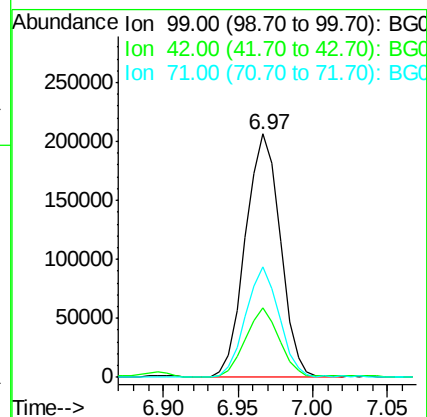
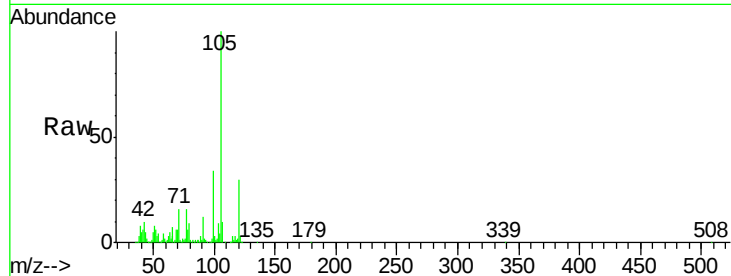
Tot Ion: 99 Resp: 333283

Ion Ratio Lower Upper

99 100

42 28.4 22.1 33.1

71 45.4 33.4 50.0



#10

Phenol

Concen: 9.29 ng

RT: 6.99 min Scan# 732

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

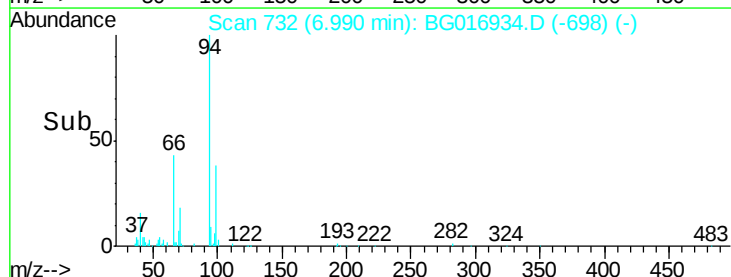
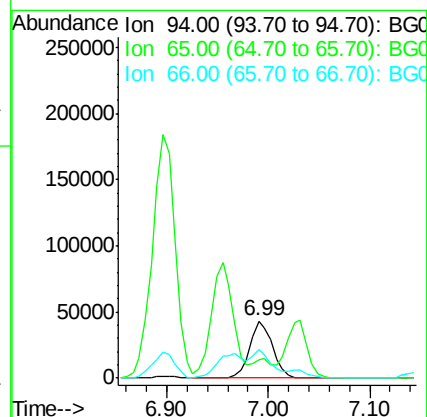
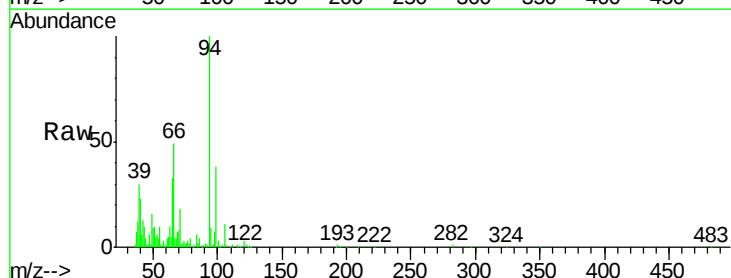
Tgt Ion: 94 Resp: 67596

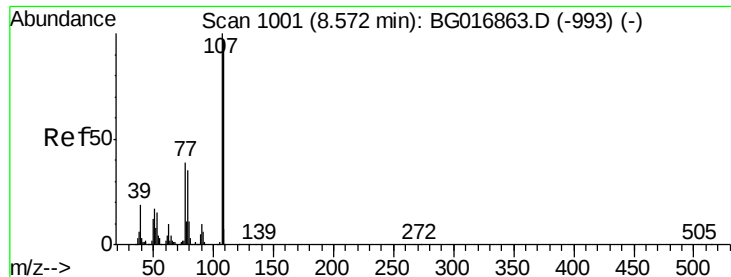
Ion Ratio Lower Upper

94 100

65 33.0 14.3 54.3

66 49.1 26.9 66.9





#20

3+4-Methylphenols

Concen: 6.94 ng

RT: 8.56 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

Tot Ion:107 Resp: 48994

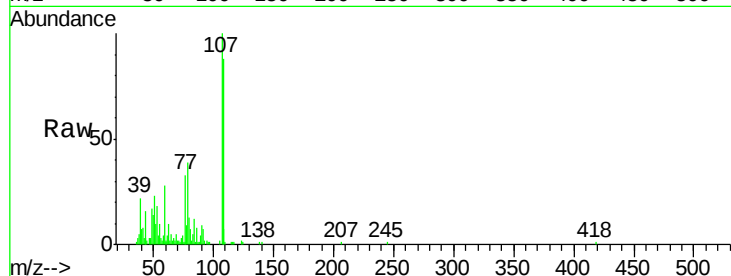
Ion Ratio Lower Upper

107 100

108 87.7 76.6 116.6

77 33.4 19.0 59.0

79 38.7 15.0 55.0

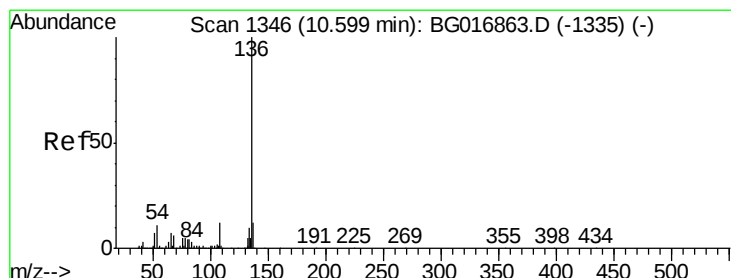
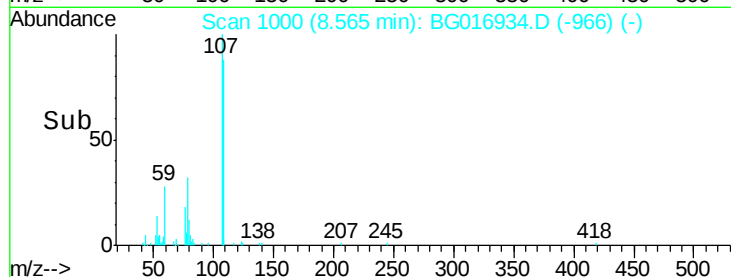
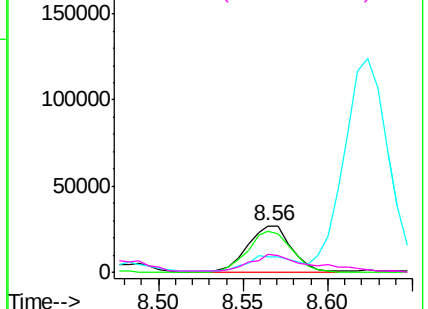


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.66 min Scan# 1356

Delta R.T. 0.07 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Tgt Ion:136 Resp: 384601

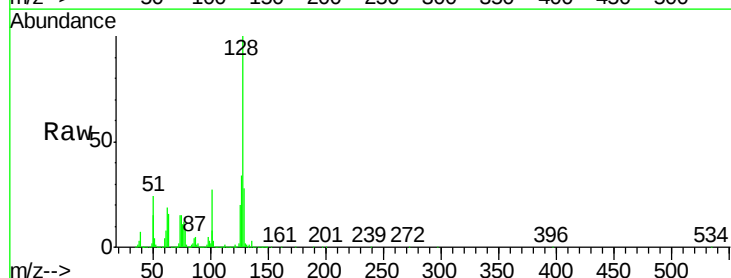
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 11.7 8.7 13.1

68 5.5 5.0 7.4

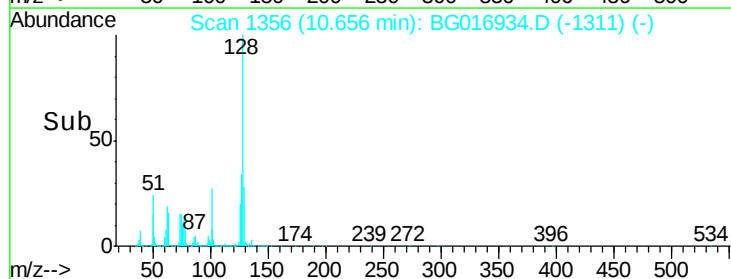
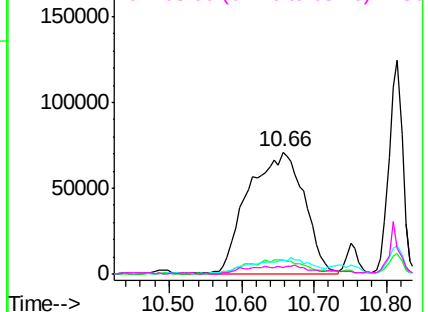


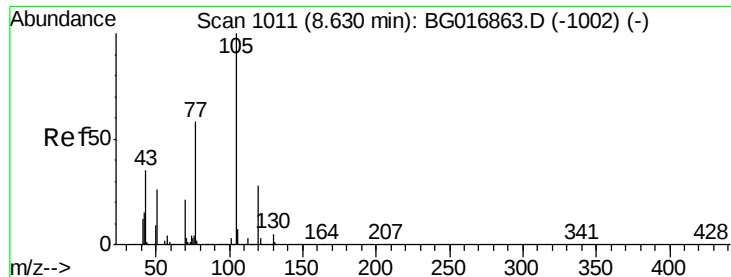
Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.23 ng

RT: 8.62 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

Tot Ion:105 Resp: 295231

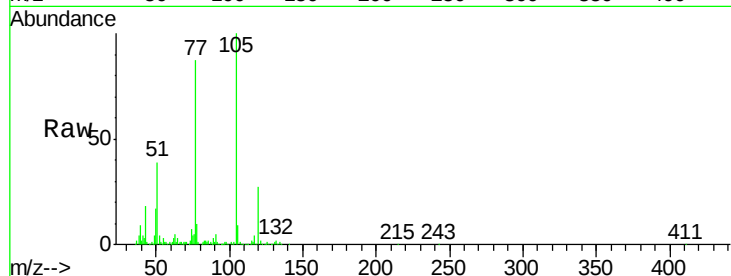
Ion Ratio Lower Upper

105 100

71 0.7 2.8 4.2#

51 38.6 29.4 44.2

120 27.2 22.2 33.4

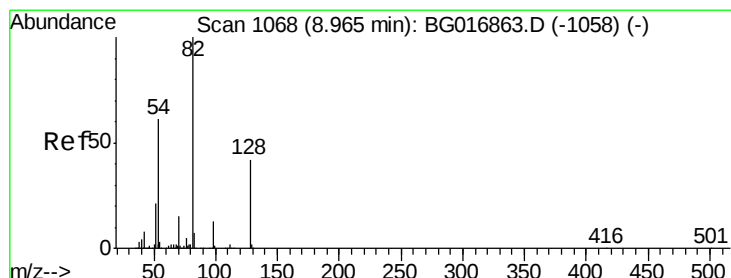
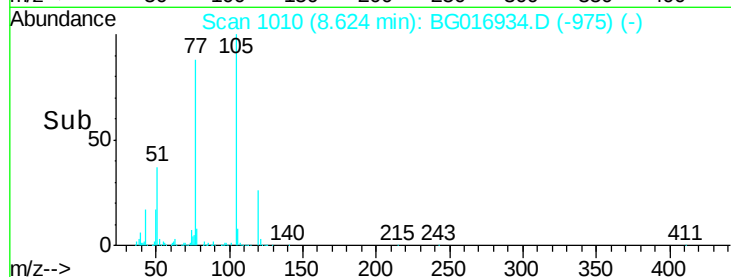
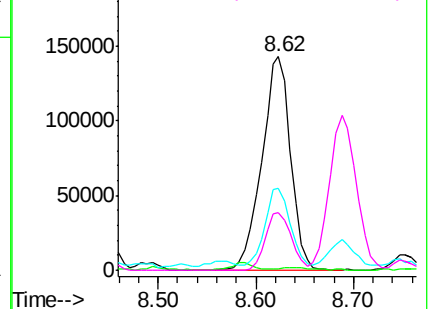


Abundance Ion 105.00 (104.70 to 105.70): E

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: 91.74 ng

RT: 8.96 min Scan# 1068

Delta R.T. 0.01 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

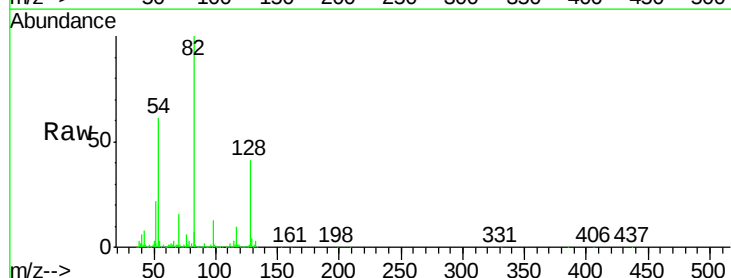
Tgt Ion: 82 Resp: 722248

Ion Ratio Lower Upper

82 100

128 41.2 33.2 49.8

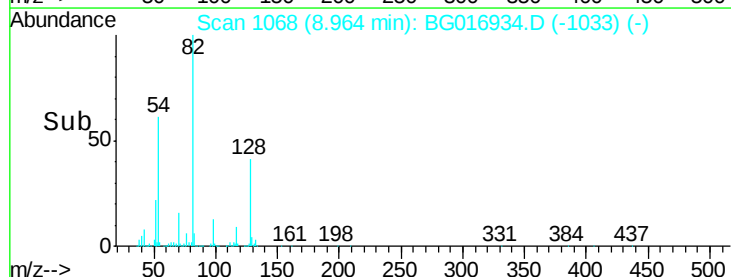
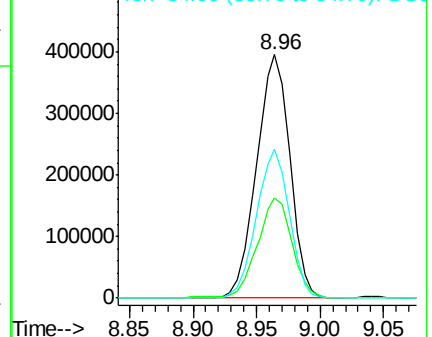
54 61.2 48.6 72.8

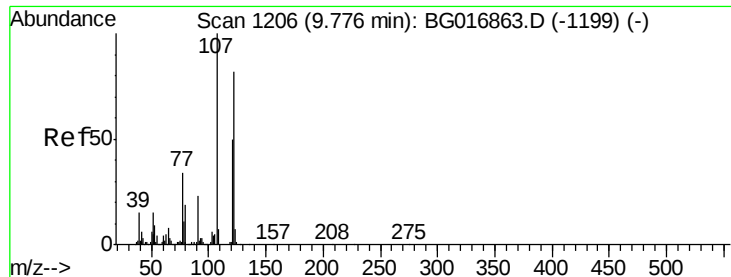


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#27

2,4-Dimethylphenol

Concen: 27.28 ng

RT: 9.79 min Scan# 1208

Delta R.T. 0.02 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

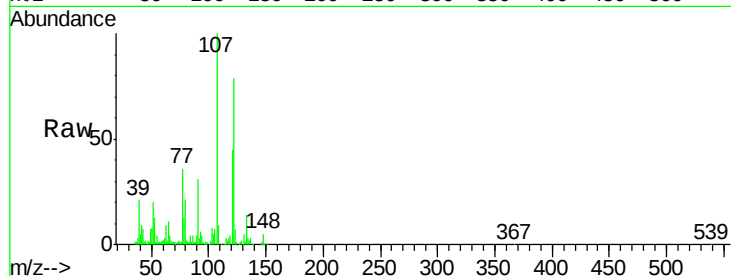
Tot Ion:122 Resp: 159802

Ion Ratio Lower Upper

122 100

107 126.6 97.6 146.4

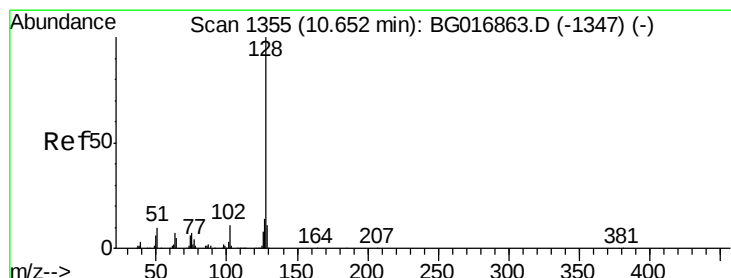
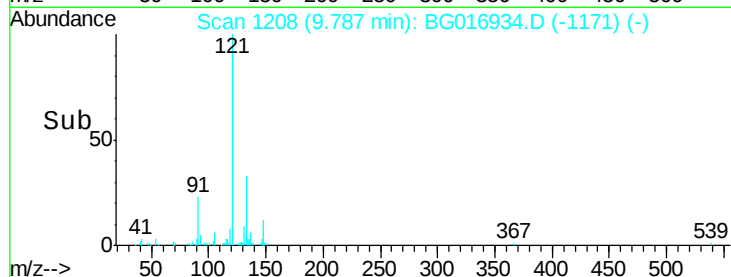
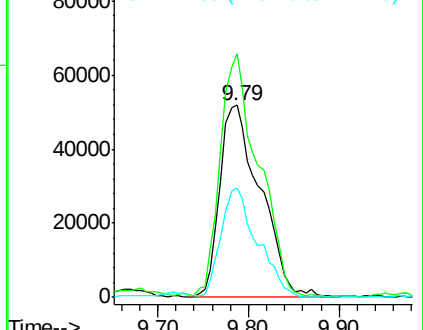
121 56.7 48.4 72.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 1109.69 ng

RT: 10.76 min Scan# 1373

Delta R.T. 0.11 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

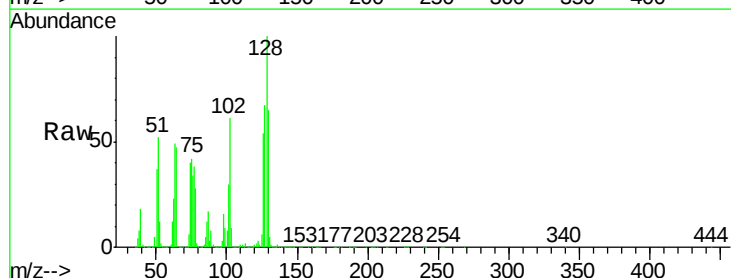
Tgt Ion:128 Resp:21227578

Ion Ratio Lower Upper

128 100

129 64.6 9.1 13.7#

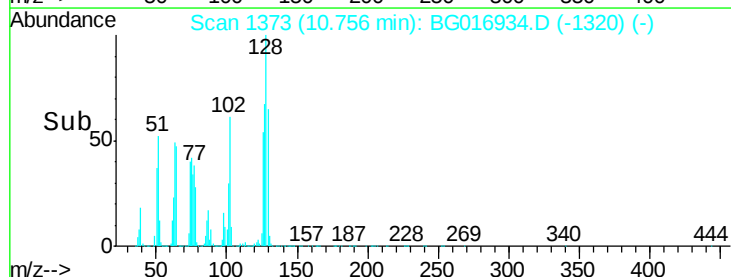
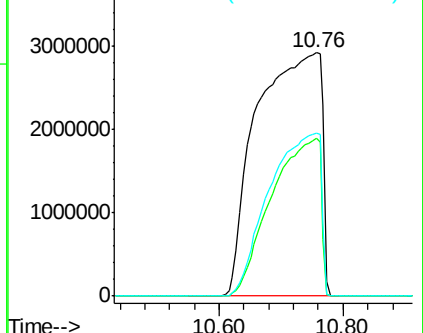
127 67.0 10.9 16.3#

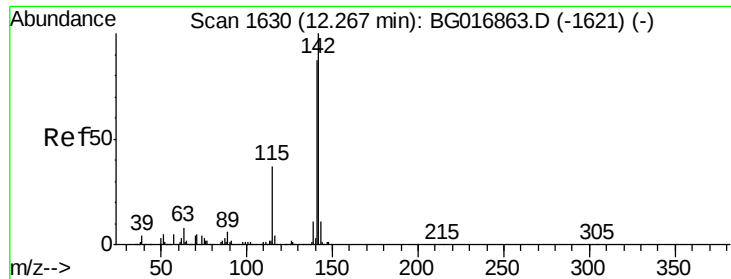


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

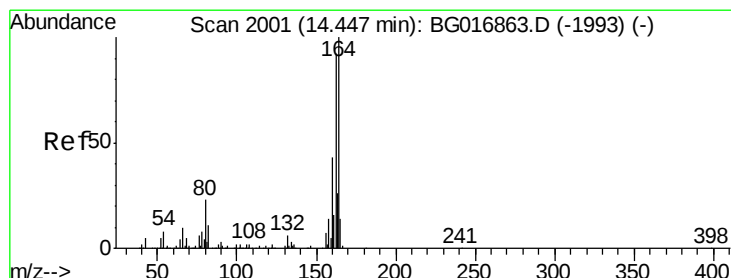
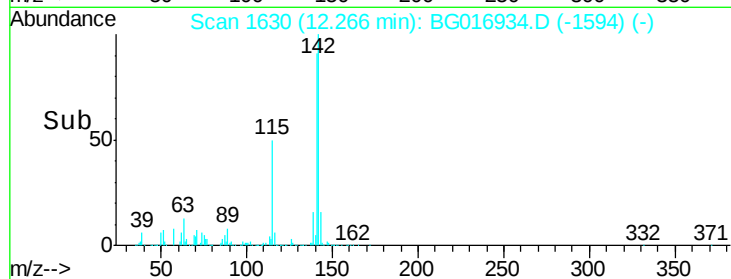
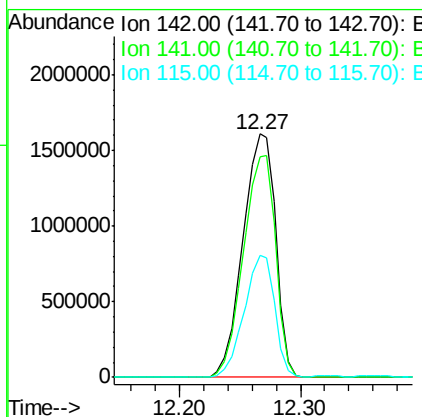
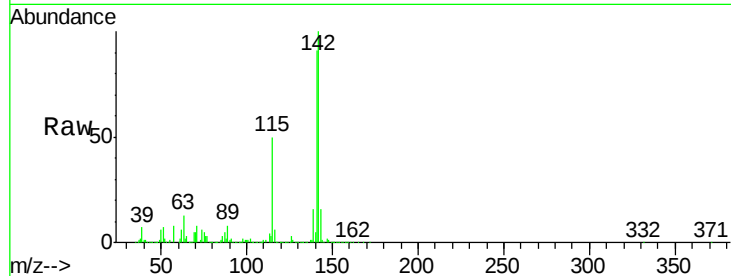




#37
2-Methylnaphthalene
Concen: 208.68 ng
RT: 12.27 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BG016934.D
Acq: 7 May 2015 23:33

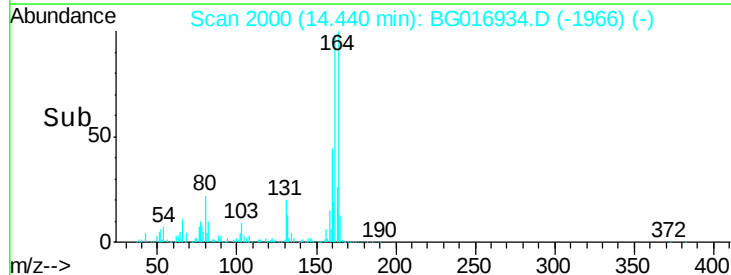
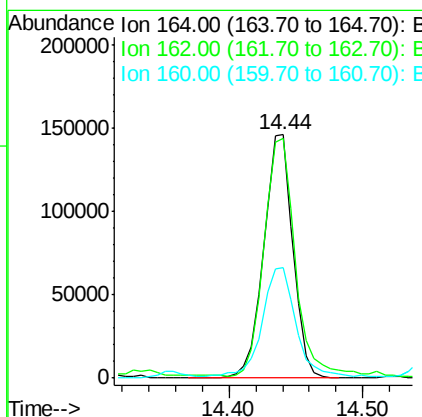
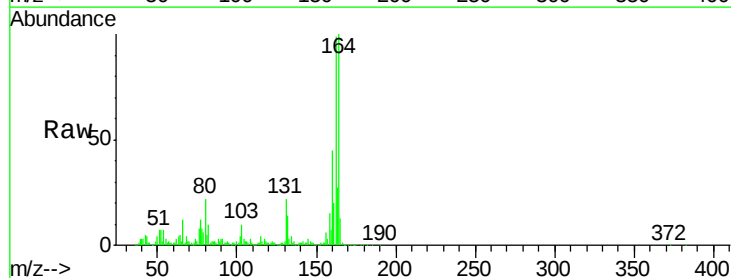
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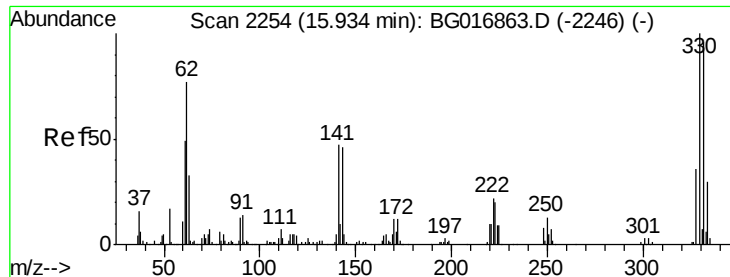
Tot Ion:142 Resp: 3040485
Ion Ratio Lower Upper
142 100
141 90.6 69.9 104.9
115 50.0 29.8 44.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.44 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BG016934.D
Acq: 7 May 2015 23:33

Tgt Ion:164 Resp: 219105
Ion Ratio Lower Upper
164 100
162 98.5 74.0 111.0
160 45.3 34.7 52.1





#41

2,4,6-Tribromophenol

Concen: 160.46 ng

RT: 15.93 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

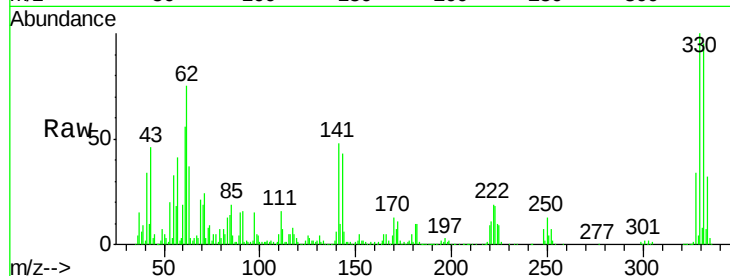
Tot Ion:330 Resp: 352953

Ion Ratio Lower Upper

330 100

332 95.6 0.0 0.0#

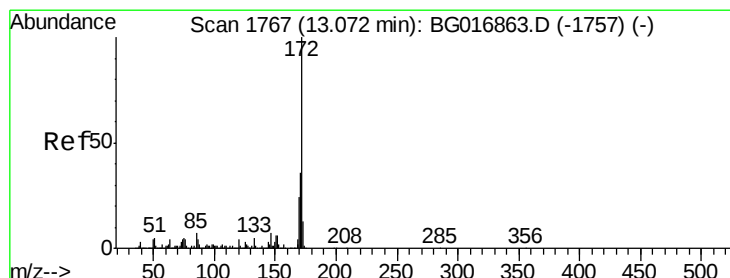
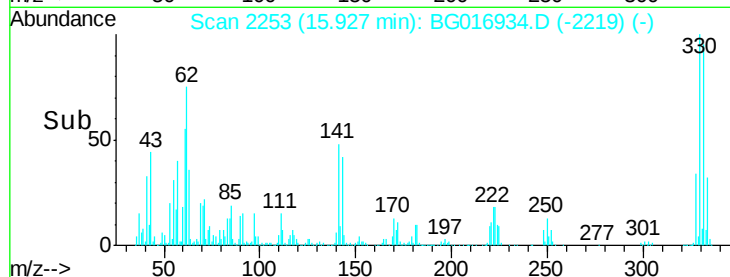
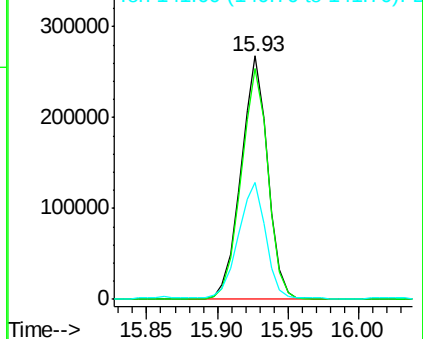
141 49.5 0.0 0.0#



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: 95.40 ng

RT: 13.06 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

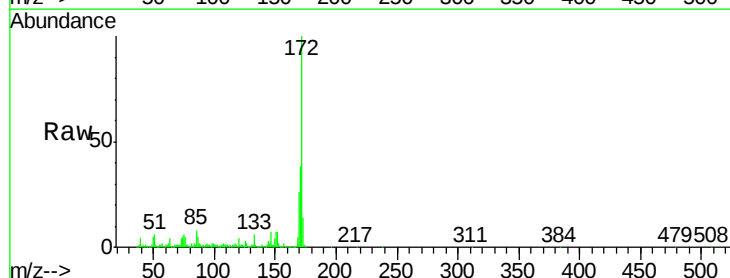
Tgt Ion:172 Resp: 1385127

Ion Ratio Lower Upper

172 100

171 38.3 29.0 43.4

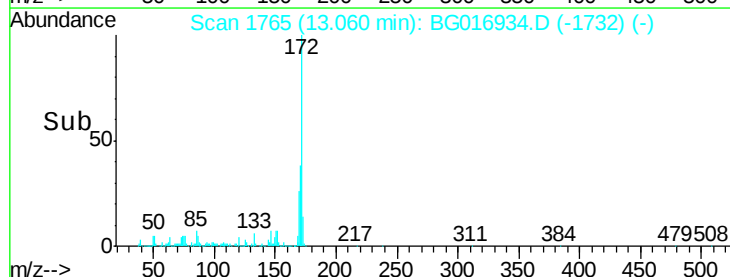
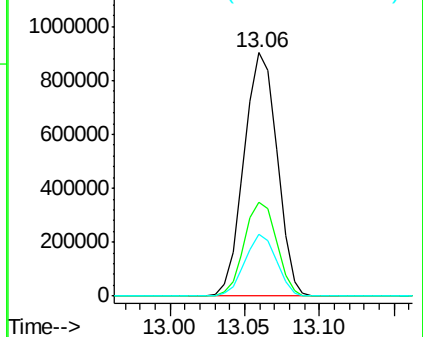
170 25.6 19.0 28.4

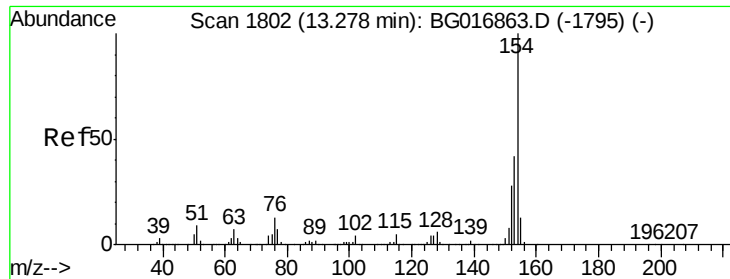


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

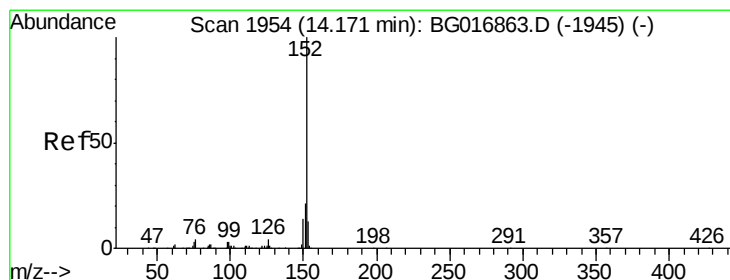
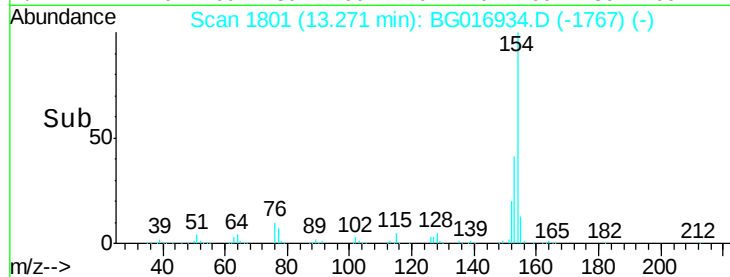
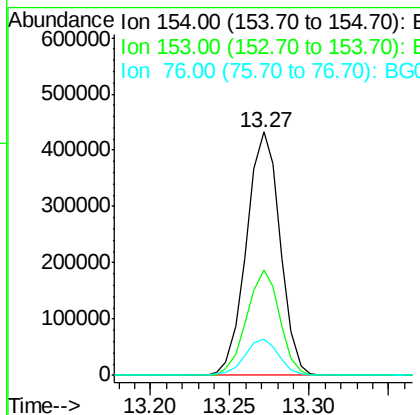
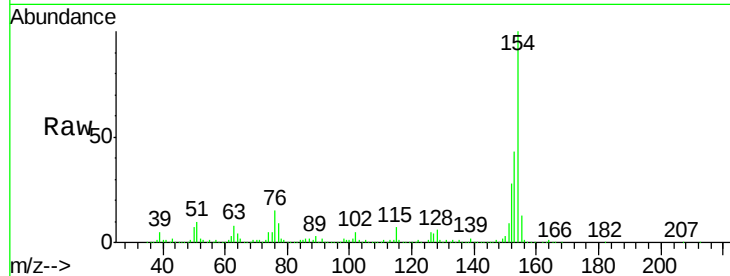




#45
 1,1'-Biphenyl
 Concen: 40.66 ng
 RT: 13.27 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG016934.D
 Acq: 7 May 2015 23:33

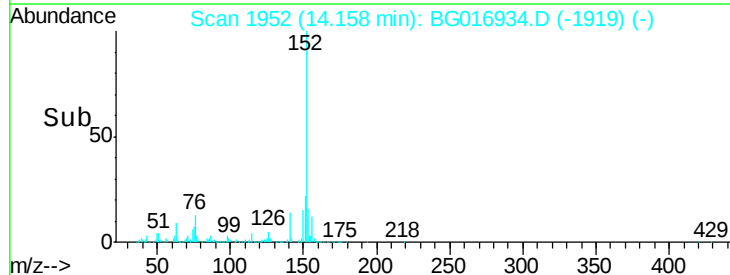
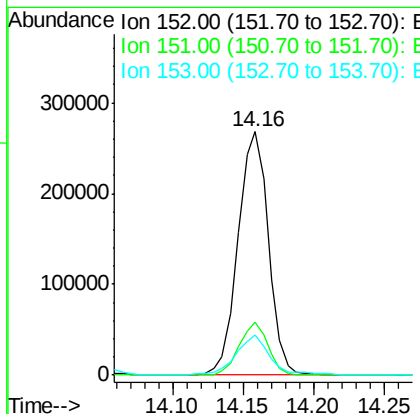
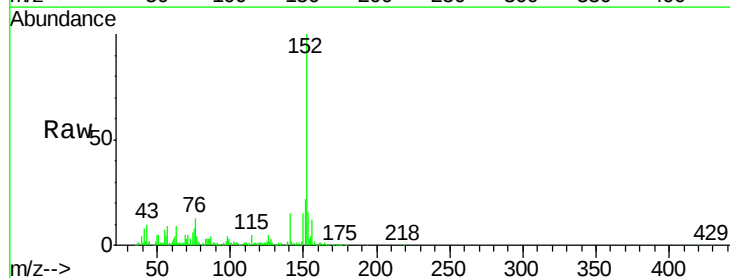
Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01

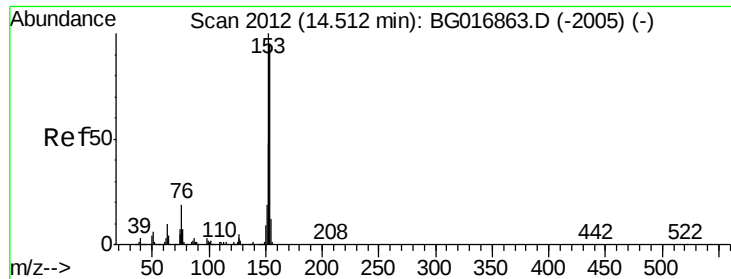
Tot Ion	Ratio	Lower	Upper
154	100		
153	43.5	22.0	62.0
76	14.7	0.0	33.3



#48
 Acenaphthylene
 Concen: 18.61 ng
 RT: 14.16 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG016934.D
 Acq: 7 May 2015 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.0	25.4
153	16.3	10.7	16.1#





#51

Acenaphthene

Concen: 92.49 ng

RT: 14.50 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

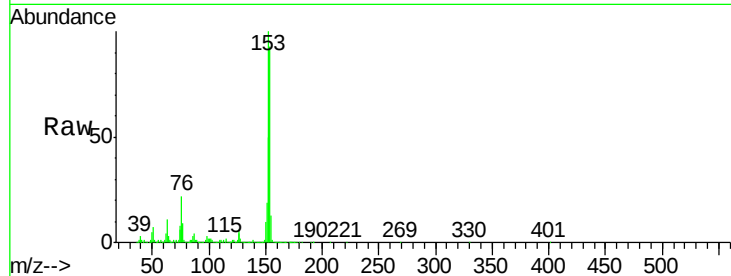
BNA_G

ClientSampled :

DBMW-01

Tot Ion:154 Resp: 1191056

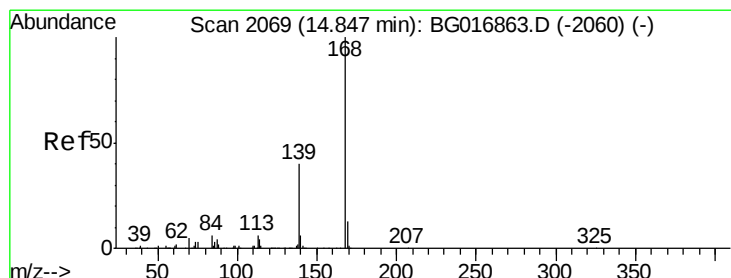
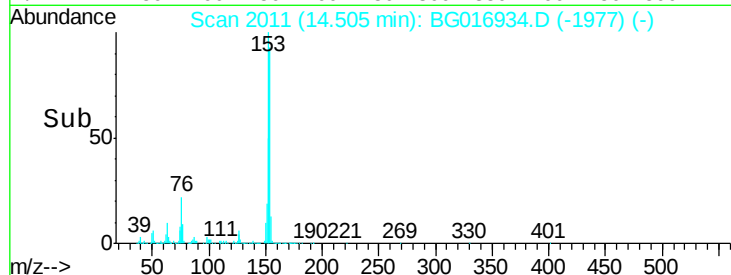
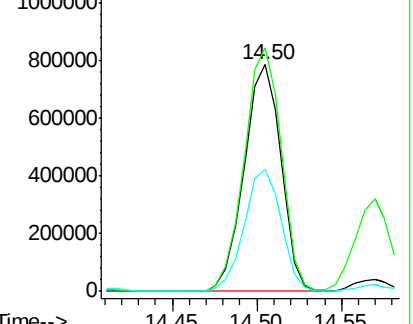
Ion	Ratio	Lower	Upper
154	100		
153	107.3	84.2	126.4
152	53.6	40.2	60.2



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: 46.75 ng

RT: 14.84 min Scan# 2068

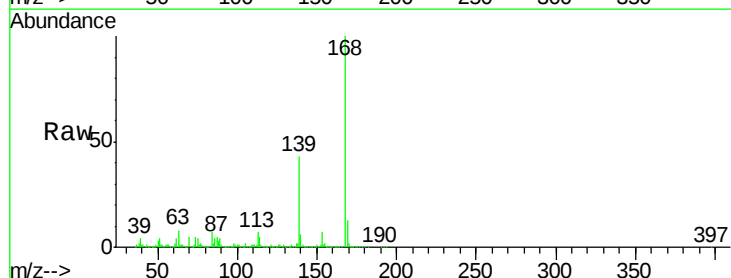
Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Tgt Ion:168 Resp: 854948

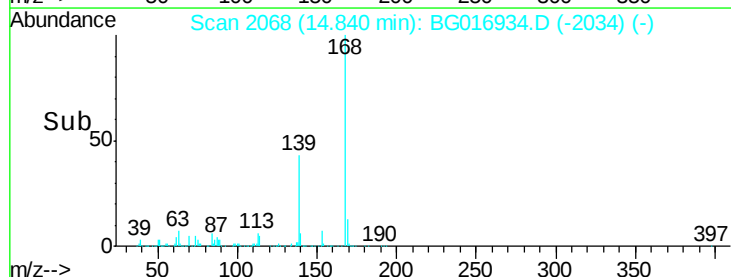
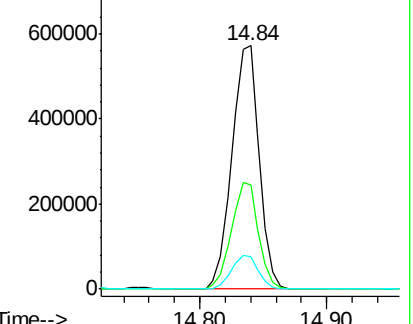
Ion	Ratio	Lower	Upper
168	100		
139	42.8	32.5	48.7
169	13.4	10.4	15.6

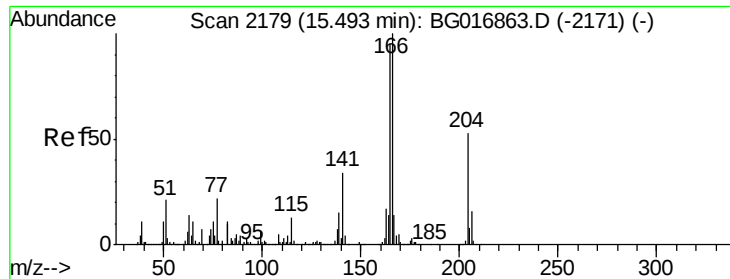


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 43.69 ng

RT: 15.49 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

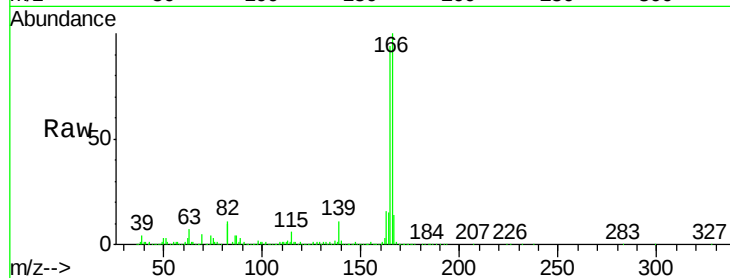
Tot Ion:166 Resp: 707385

Ion Ratio Lower Upper

166 100

165 93.6 76.1 114.1

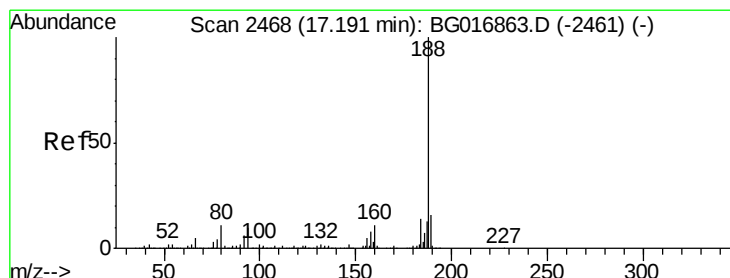
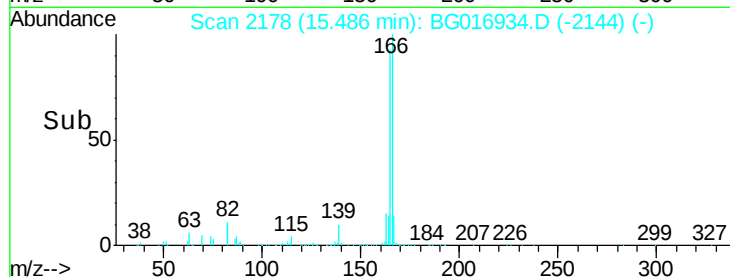
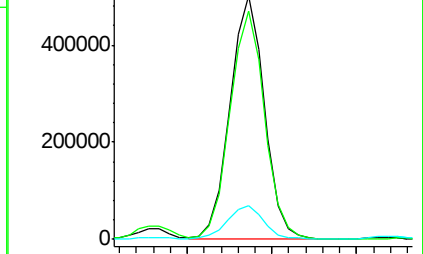
167 14.1 11.4 17.2



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: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

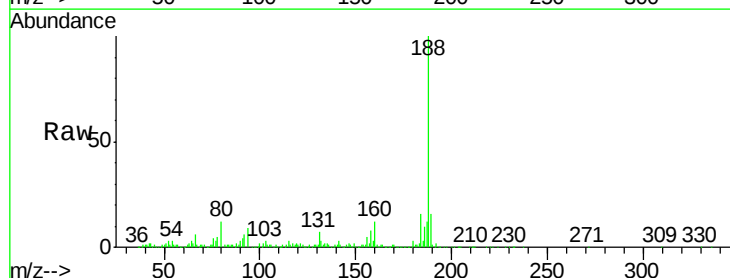
Tgt Ion:188 Resp: 436016

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.4

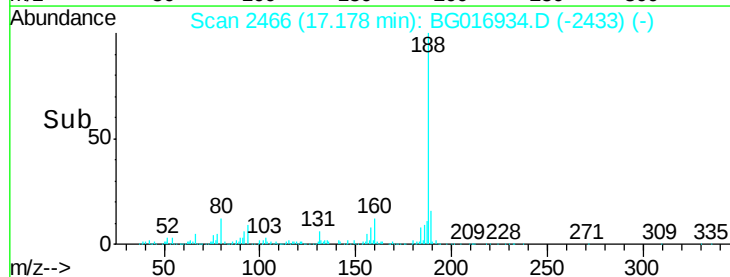
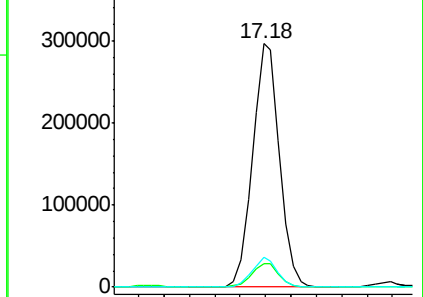
80 12.1 8.8 13.2

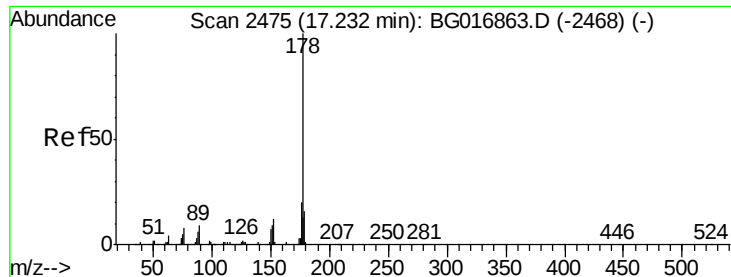


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 48.78 ng

RT: 17.23 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

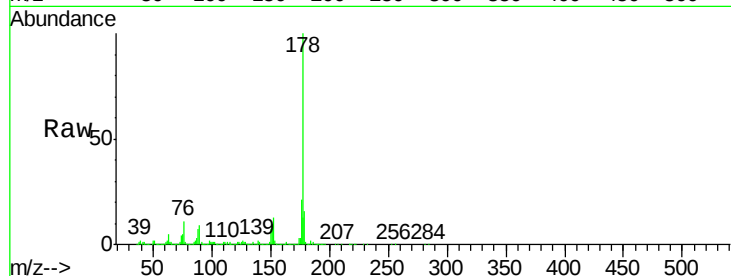
Tot Ion:178 Resp: 1094460

Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

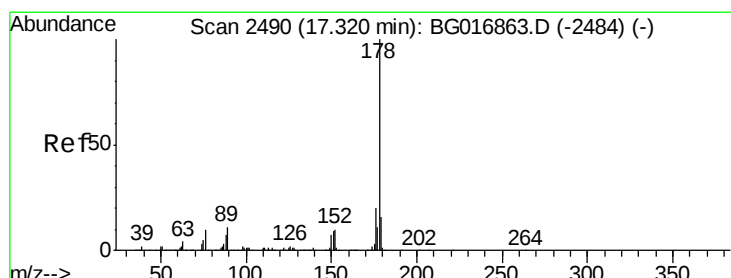
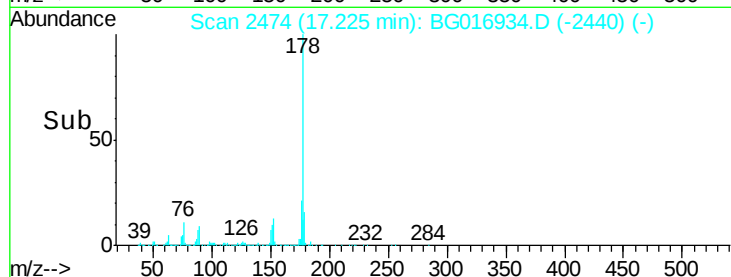
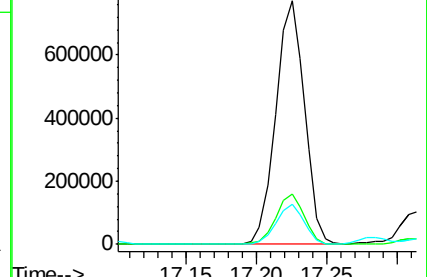
179 16.4 13.0 19.6



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: 6.51 ng

RT: 17.31 min Scan# 2489

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

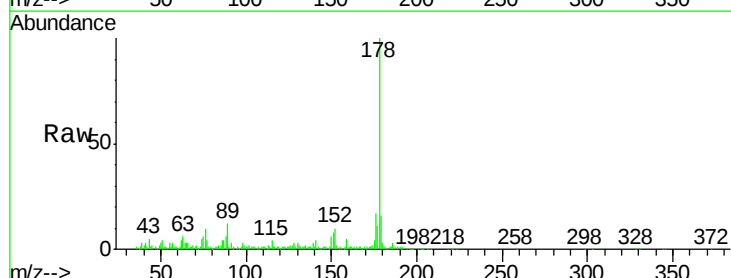
Tgt Ion:178 Resp: 147467

Ion Ratio Lower Upper

178 100

176 17.4 16.2 24.4

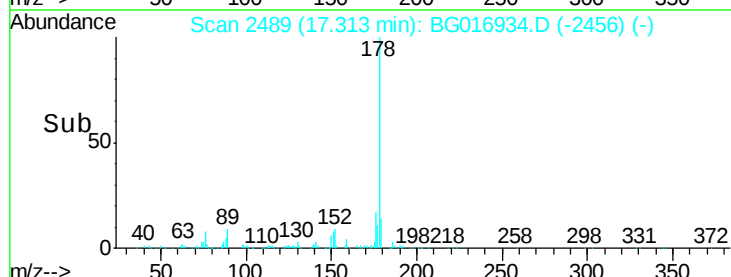
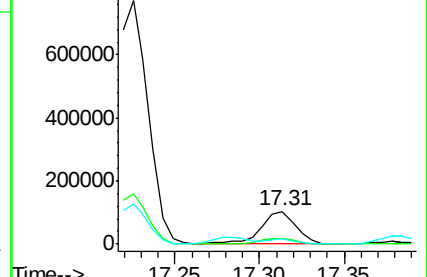
179 15.6 13.1 19.7

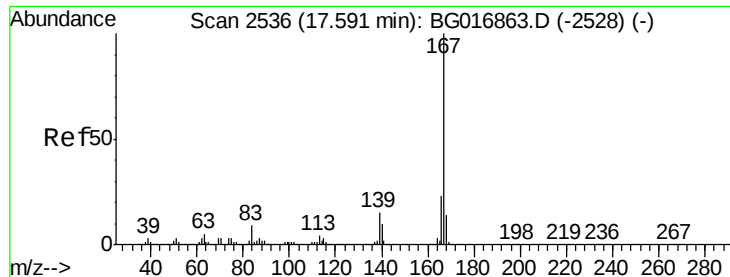


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 99.46 ng

RT: 17.59 min Scan# 2536

Delta R.T. 0.01 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

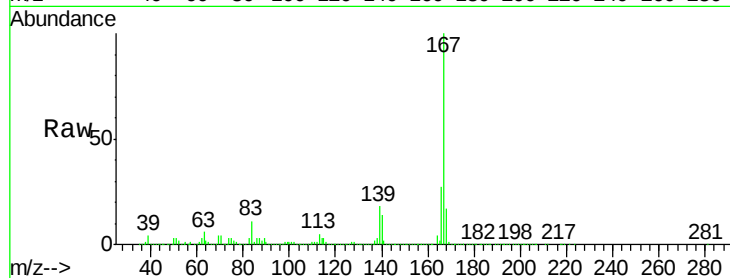
Tot Ion:167 Resp: 2140304

Ion	Ratio	Lower	Upper
167	100		
166	27.0	18.4	27.6
139	18.0	12.2	18.4

167 100

166 27.0 18.4 27.6

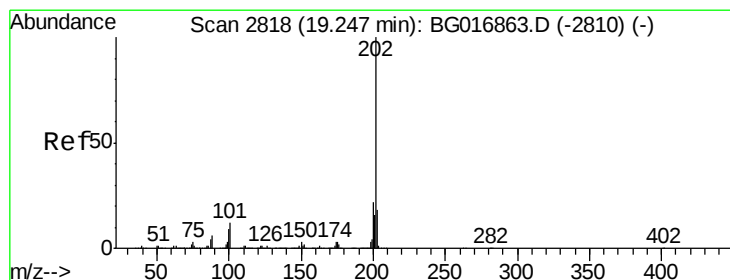
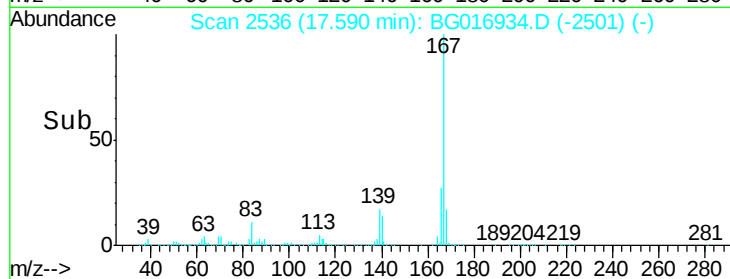
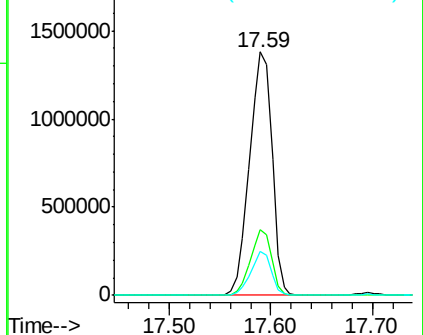
139 18.0 12.2 18.4



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



#74

Fluoranthene

Concen: 5.67 ng

RT: 19.24 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

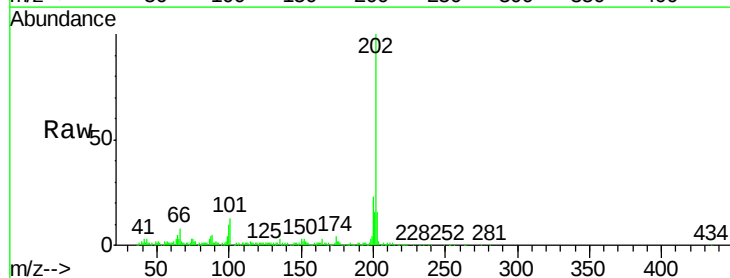
Tgt Ion:202 Resp: 147512

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.5
203	16.0	0.0	38.1

202 100

101 12.9 0.0 31.5

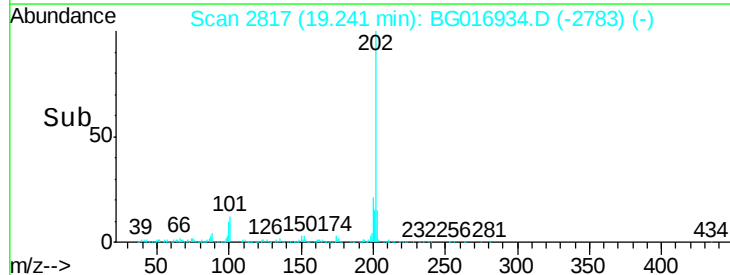
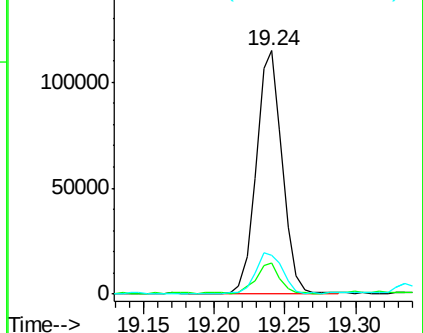
203 16.0 0.0 38.1

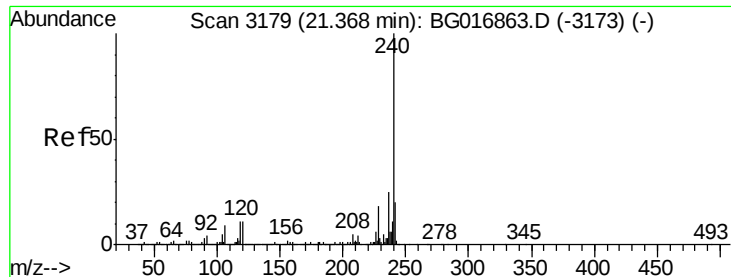


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.36 min Scan# 3177

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

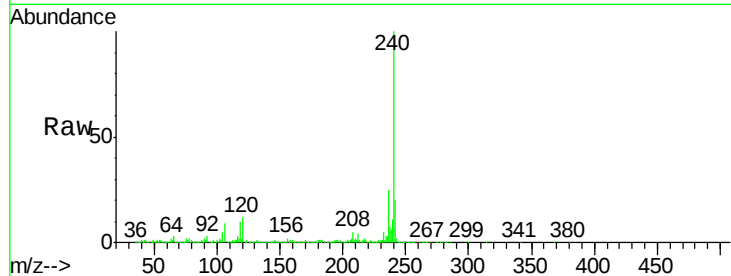
Tot Ion:240 Resp: 440140

Ion Ratio Lower Upper

240 100

120 11.7 9.1 13.7

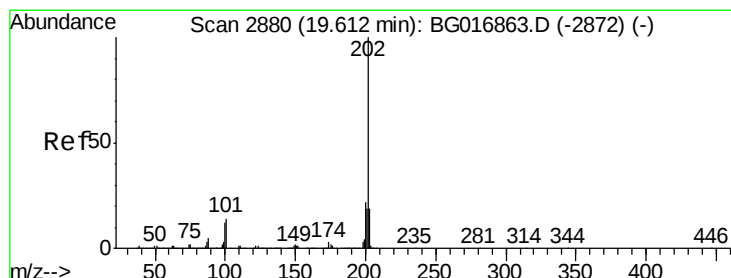
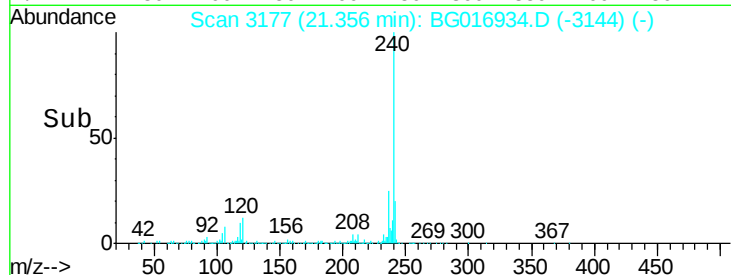
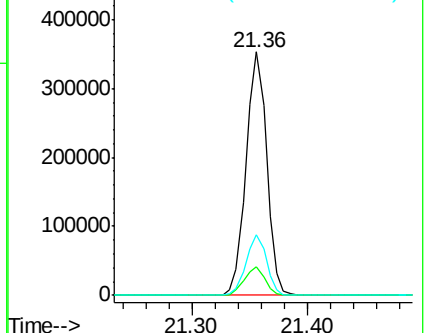
236 25.0 20.2 30.4



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



#77

Pyrene

Concen: 3.66 ng

RT: 19.60 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

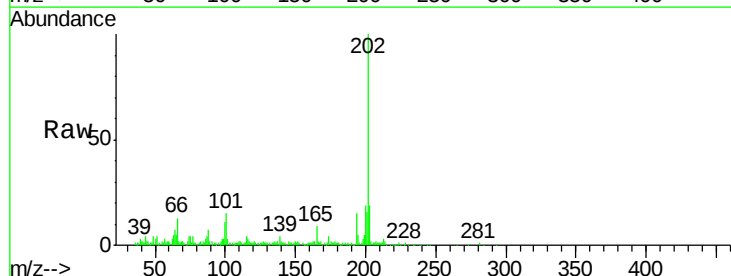
Tgt Ion:202 Resp: 95189

Ion Ratio Lower Upper

202 100

200 18.5 17.9 26.9

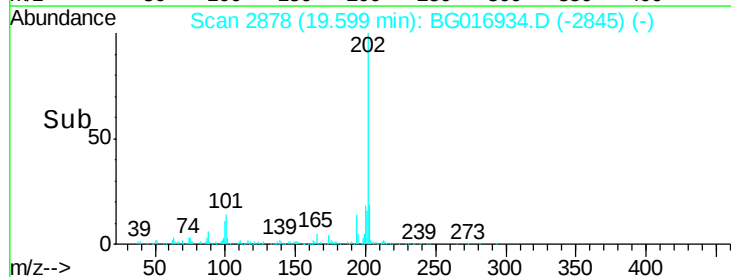
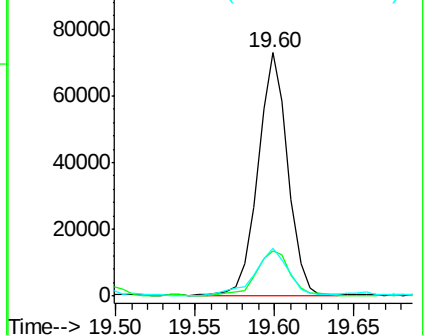
203 19.5 15.2 22.8

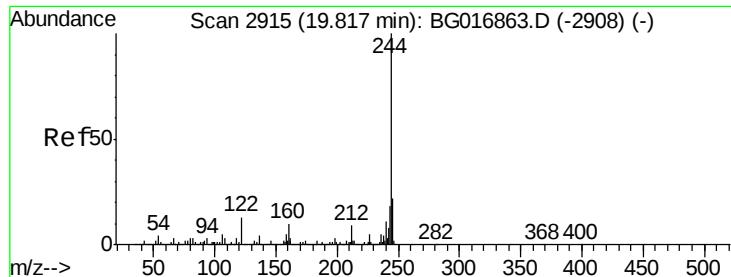


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 90.32 ng

RT: 19.81 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

Instrument :

BNA_G

ClientSampleId :

DBMW-01

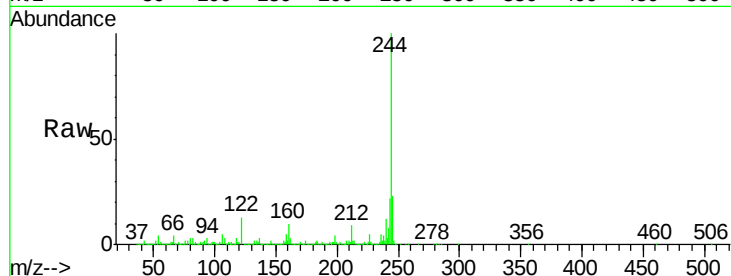
Tot Ion:244 Resp: 1695866

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

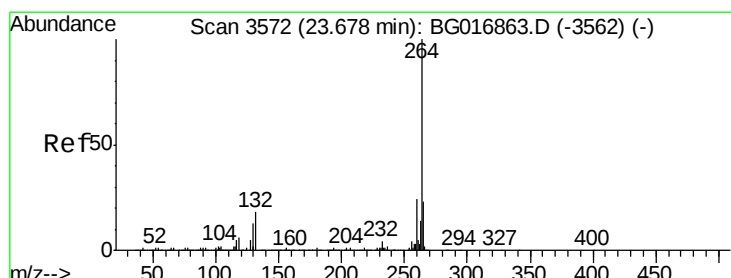
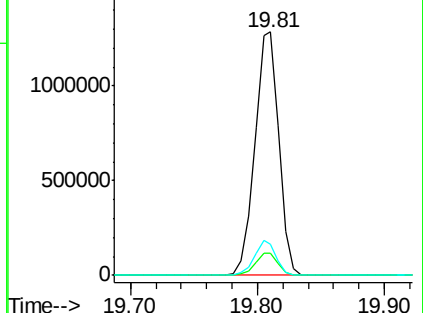
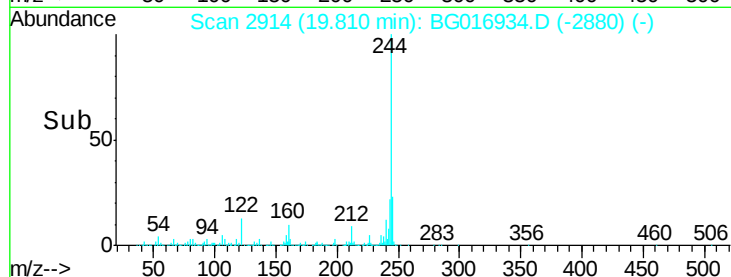
122 13.0 10.4 15.6



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: 23.66 min Scan# 3569

Delta R.T. -0.00 min

Lab File: BG016934.D

Acq: 7 May 2015 23:33

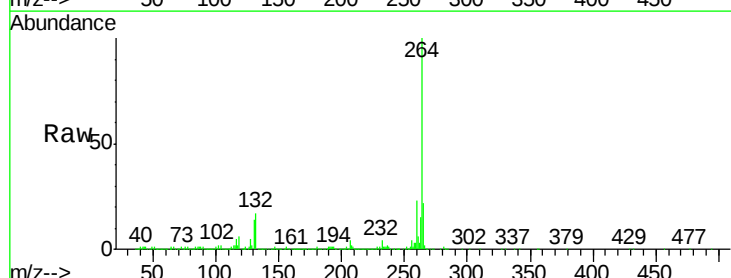
Tgt Ion:264 Resp: 420421

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.4 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

