

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG016961.D
 Acq On : 8 May 2015 17:44
 Operator : TP/IZ
 Sample : G2038-01DL2 25X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DBMW-01DL2

Quant Time: May 09 00:48:32 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

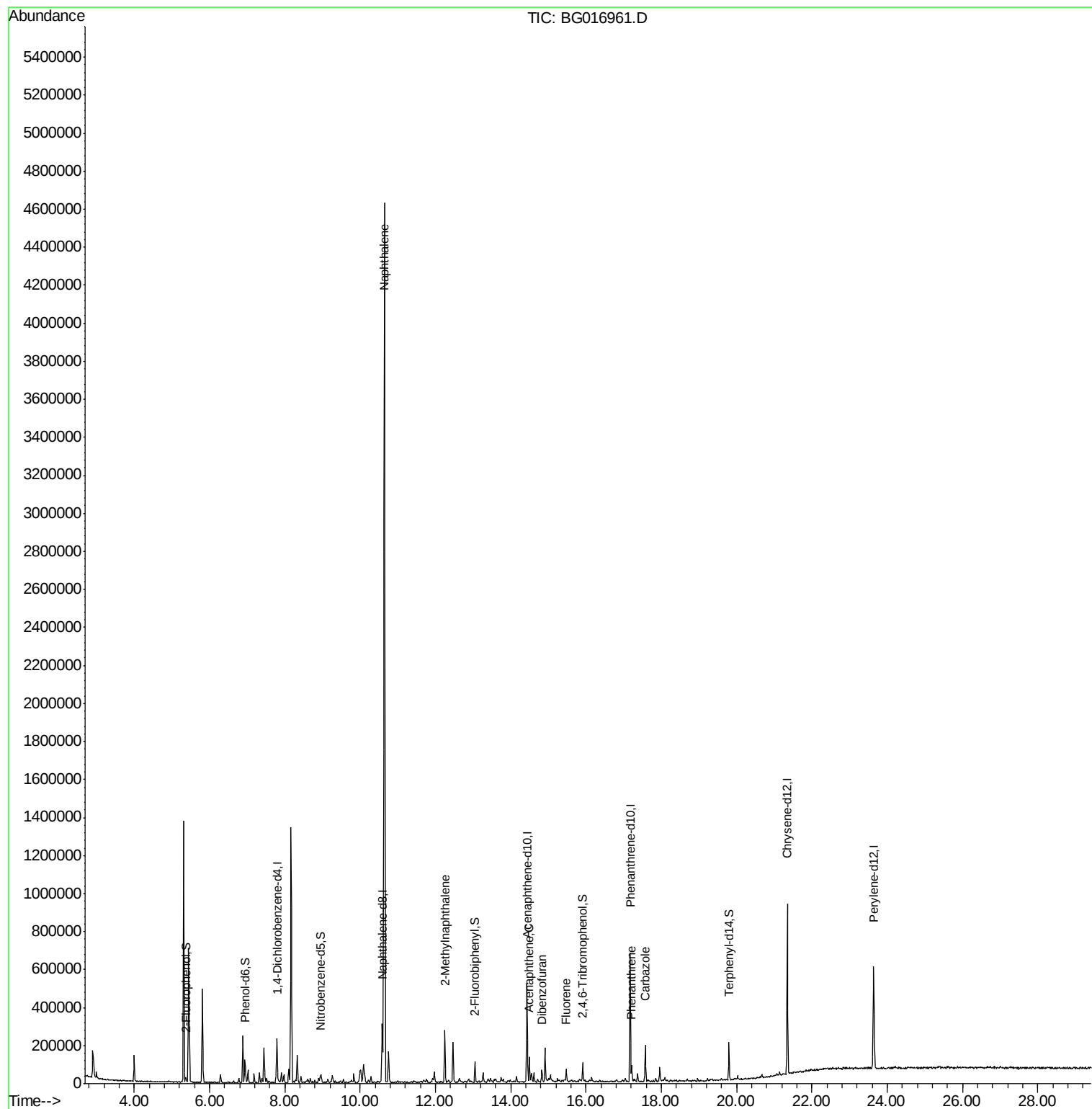
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	51300	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	240013	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	161386	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	375785	20.00	ng	0.00
75) Chrysene-d12	21.35	240	383789	20.00	ng	-0.01
86) Perylene-d12	23.64	264	367791	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	8707	2.96	ng	0.00
7) Phenol-d6	6.96	99	9768	2.32	ng	0.00
23) Nitrobenzene-d5	8.94	82	22157	4.51	ng	0.00
41) 2,4,6-Tribromophenol	15.91	330	12106	7.47	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	49053	4.59	ng	0.00
78) Terphenyl-d14	19.80	244	76214	4.66	ng	-0.01
Target Compounds						
31) Naphthalene	10.64	128	3170220	265.56	ng	# 88
37) 2-Methylnaphthalene	12.25	142	120883	13.29	ng	95
51) Acenaphthene	14.49	154	42788	4.51	ng	97
54) Dibenzofuran	14.83	168	31731	2.36	ng	# 97
57) Fluorene	15.48	166	26035	2.18	ng	90
70) Phenanthrene	17.22	178	43294	2.24	ng	97
72) Carbazole	17.58	167	105073	5.67	ng	97

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

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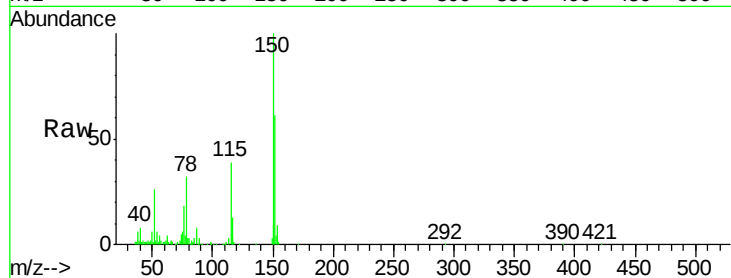


#1

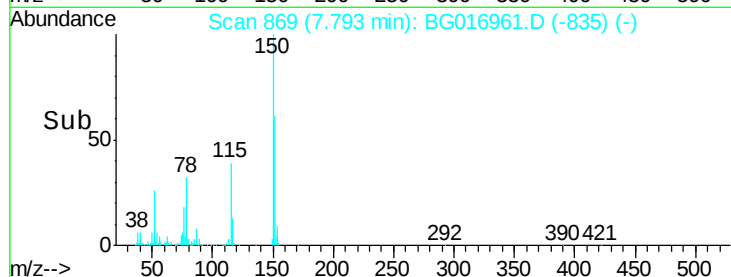
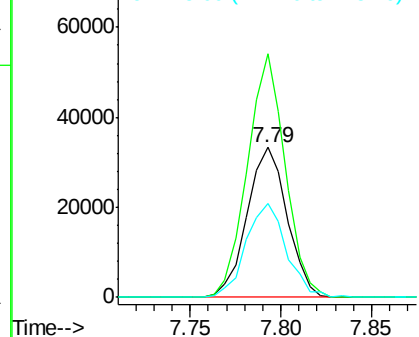
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.79 min Scan# 869
Delta R.T. -0.00 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

Tgt Ion:152 Resp: 51300
Ion Ratio Lower Upper
152 100
150 162.6 121.0 181.4
115 63.1 50.5 75.7



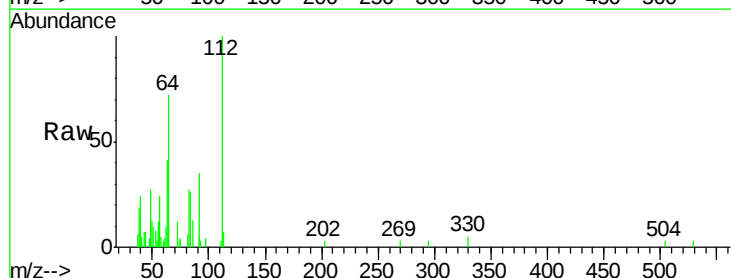
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



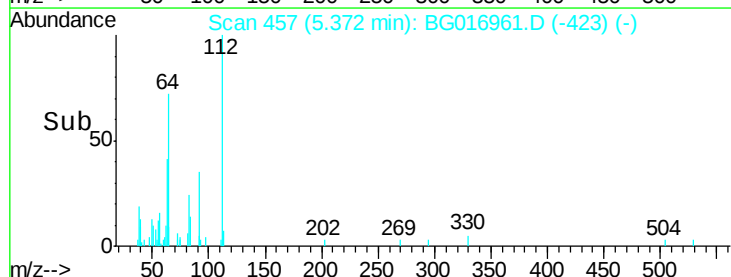
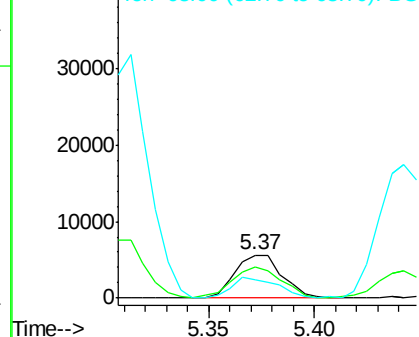
#5

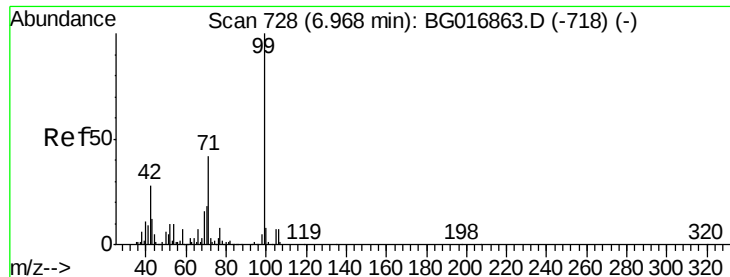
2-Fluorophenol
Concen: 2.96 ng
RT: 5.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion:112 Resp: 8707
Ion Ratio Lower Upper
112 100
64 72.2 51.4 77.2
63 41.4 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: 2.32 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

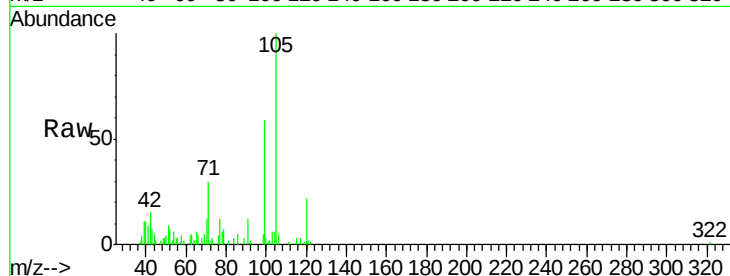
Tgt Ion: 99 Resp: 9768

Ion Ratio Lower Upper

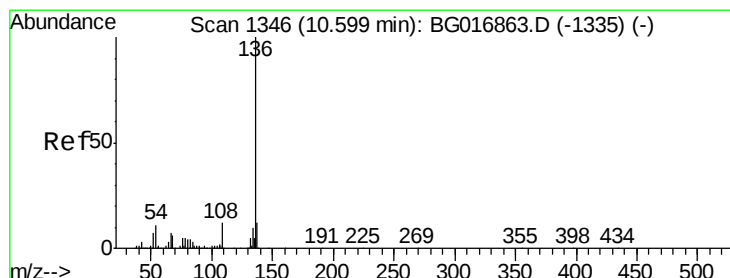
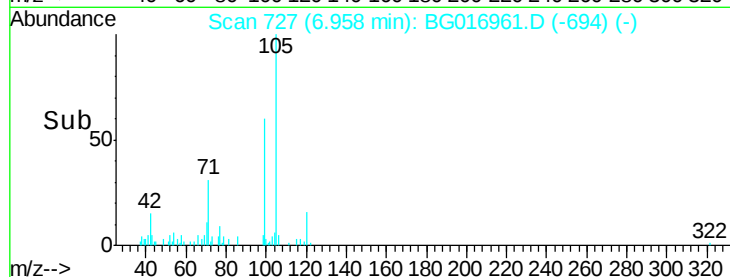
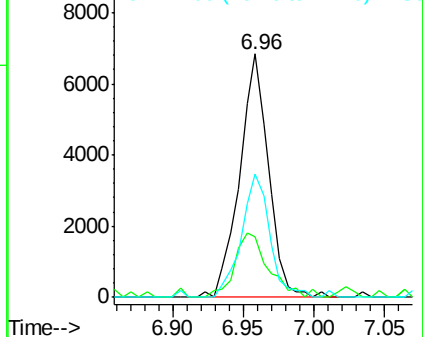
99 100

42 24.9 22.1 33.1

71 50.9 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.59 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Tgt Ion: 136 Resp: 240013

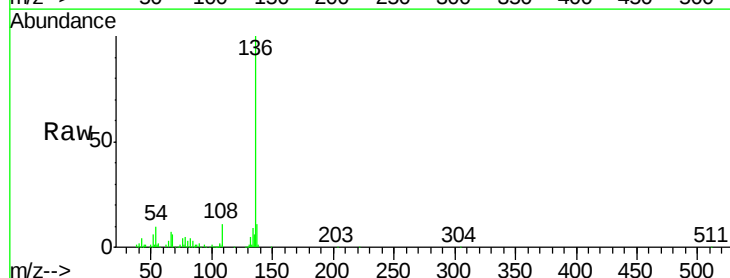
Ion Ratio Lower Upper

136 100

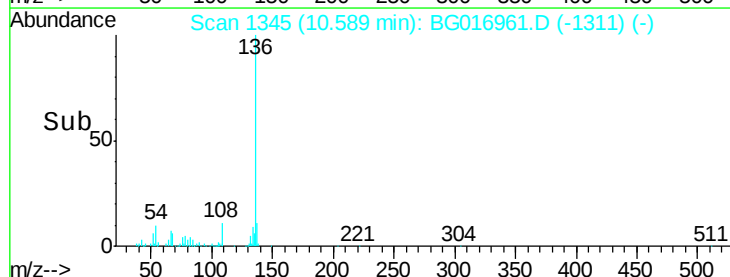
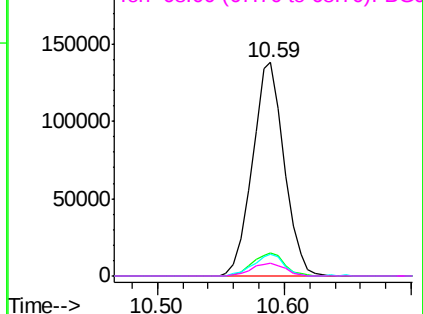
137 10.7 9.8 14.8

54 10.0 8.7 13.1

68 5.9 5.0 7.4



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

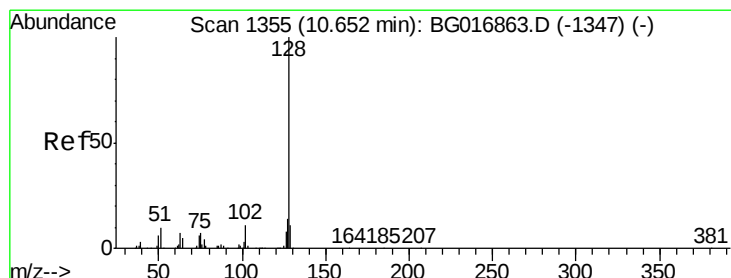
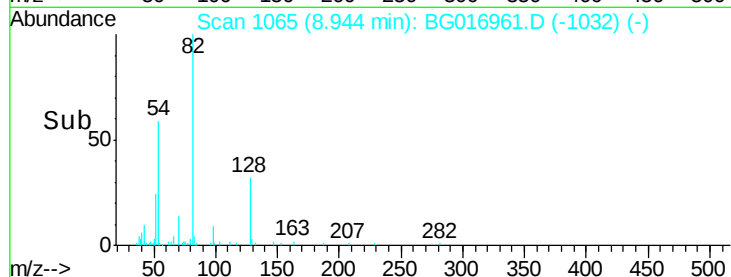
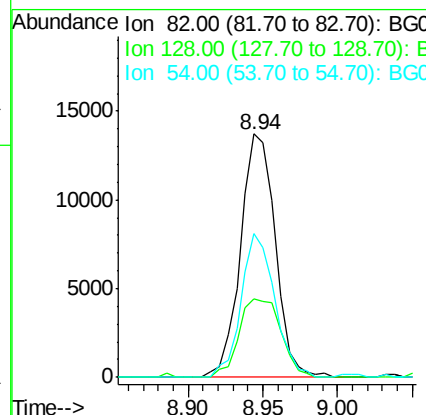
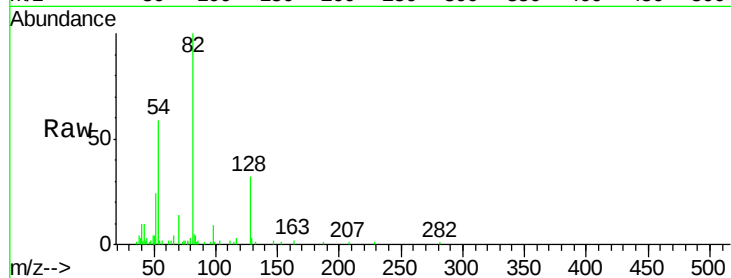




#23
Nitrobenzene-d5
Concen: 4.51 ng
RT: 8.94 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

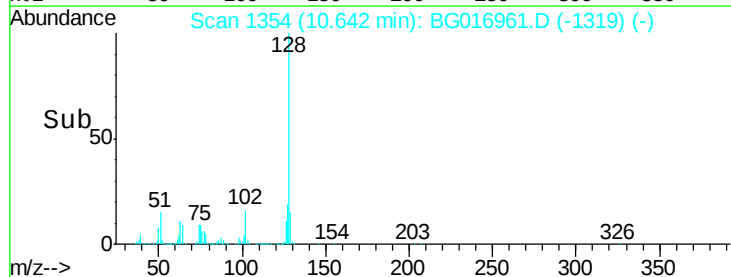
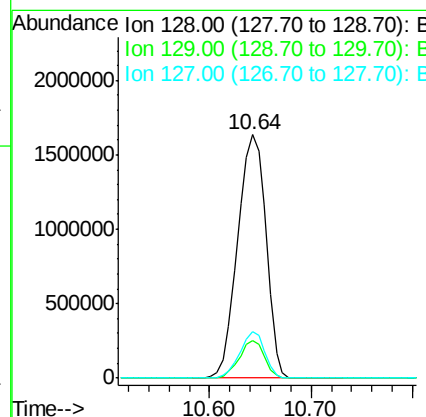
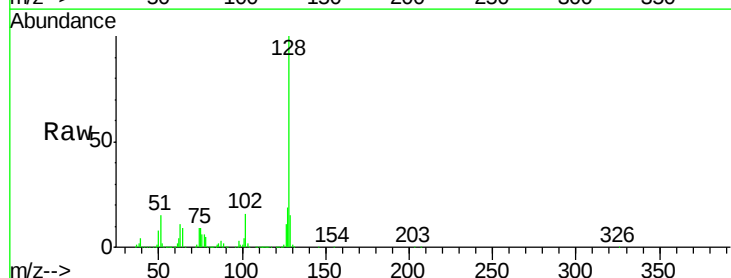
Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

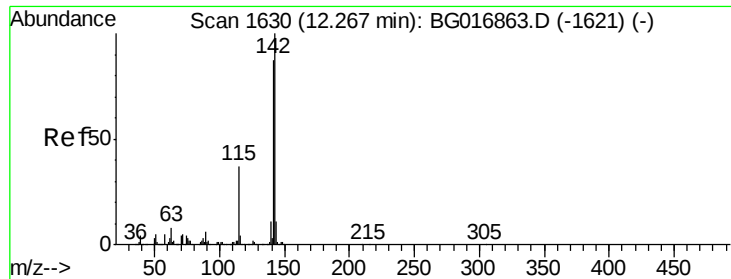
Tgt Ion: 82 Resp: 22157
Ion Ratio Lower Upper
82 100
128 32.2 33.2 49.8#
54 59.0 48.6 72.8



#31
Naphthalene
Concen: 265.56 ng
RT: 10.64 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion: 128 Resp: 3170220
Ion Ratio Lower Upper
128 100
129 15.5 9.1 13.7#
127 19.2 10.9 16.3#

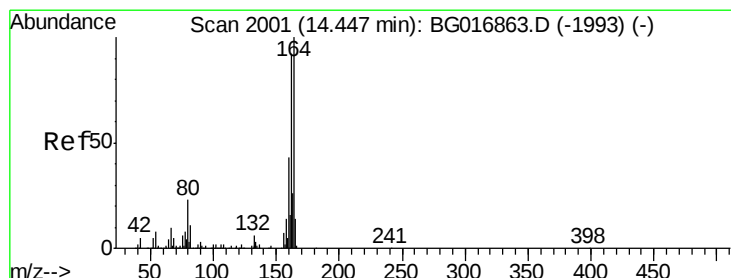
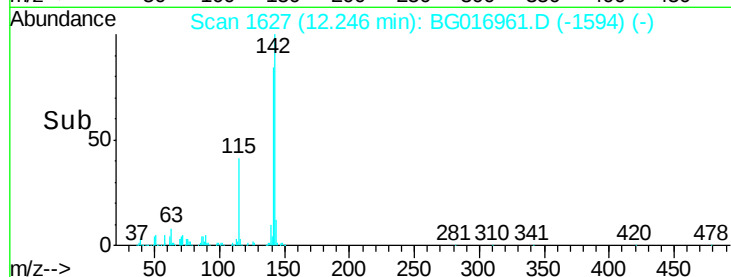
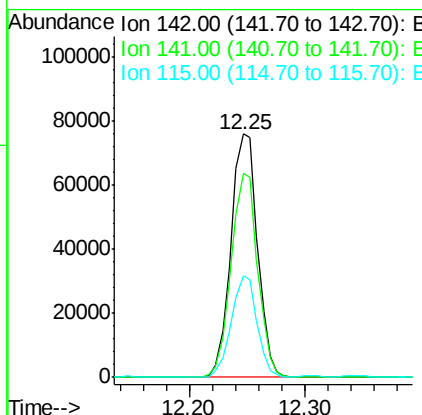
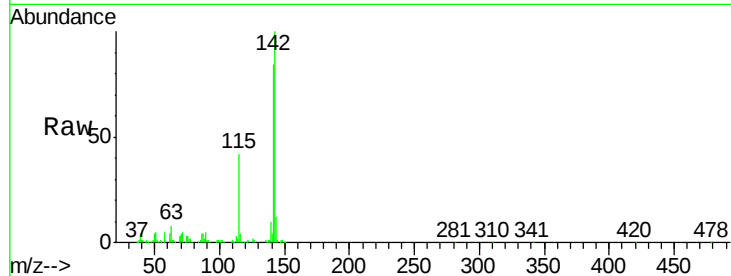




#37
2-Methylnaphthalene
Concen: 13.29 ng
RT: 12.25 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

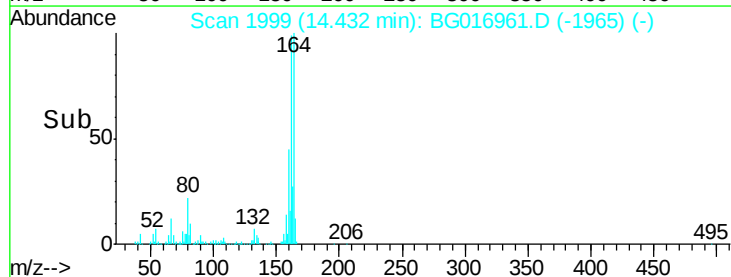
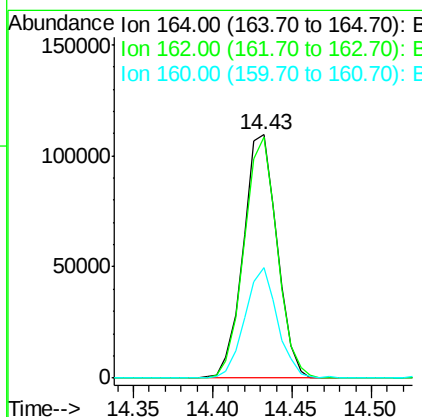
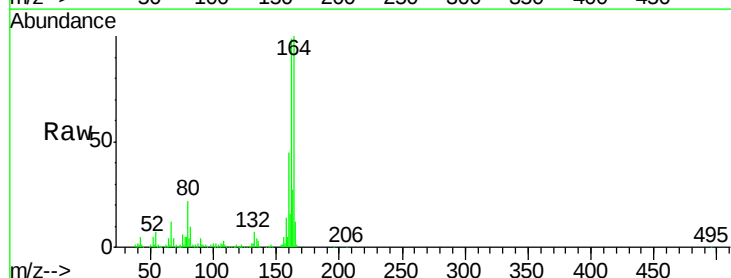
Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

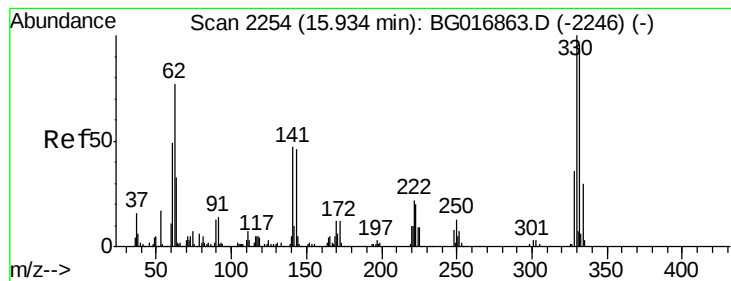
Tgt Ion:142 Resp: 120883
Ion Ratio Lower Upper
142 100
141 83.9 69.9 104.9
115 41.7 29.8 44.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.43 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Tgt Ion:164 Resp: 161386
Ion Ratio Lower Upper
164 100
162 98.9 74.0 111.0
160 45.4 34.7 52.1





#41

2,4,6-Tribromophenol

Concen: 7.47 ng

RT: 15.91 min Scan# 2251

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

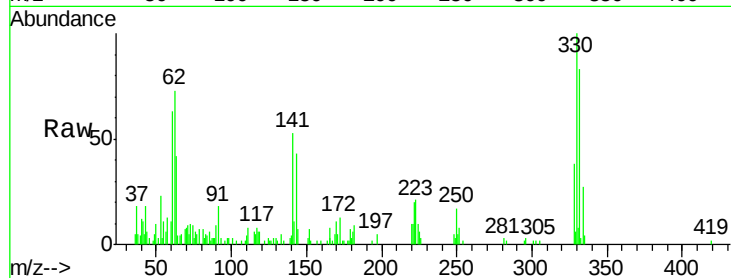
Tgt Ion:330 Resp: 12106

Ion Ratio Lower Upper

330 100

332 98.0 0.0 0.0#

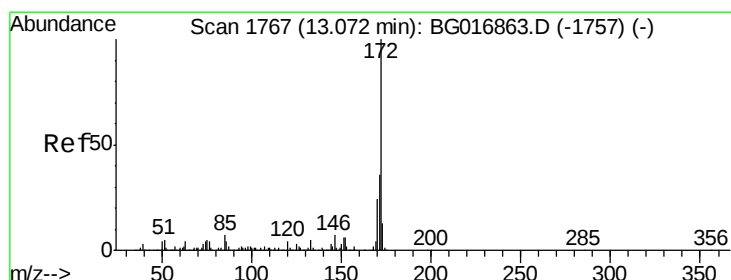
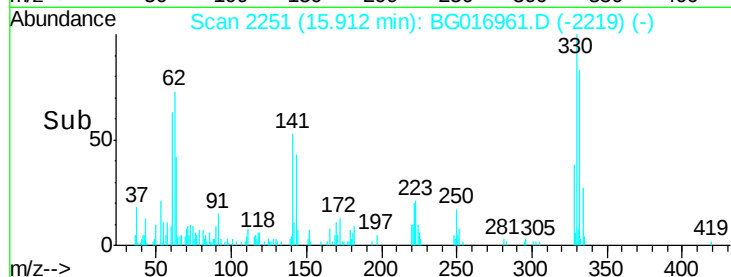
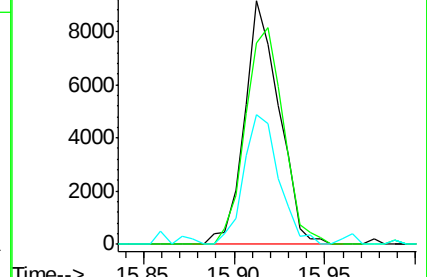
141 54.4 0.0 0.0#



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: 4.59 ng

RT: 13.05 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

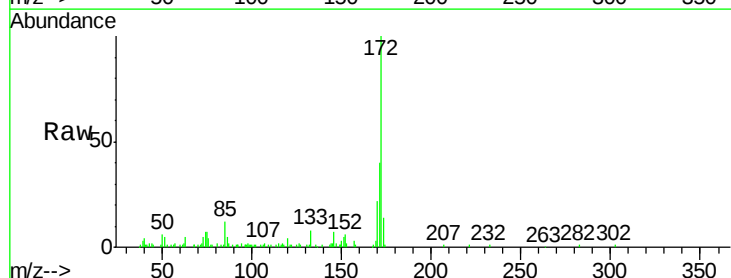
Tgt Ion:172 Resp: 49053

Ion Ratio Lower Upper

172 100

171 39.6 29.0 43.4

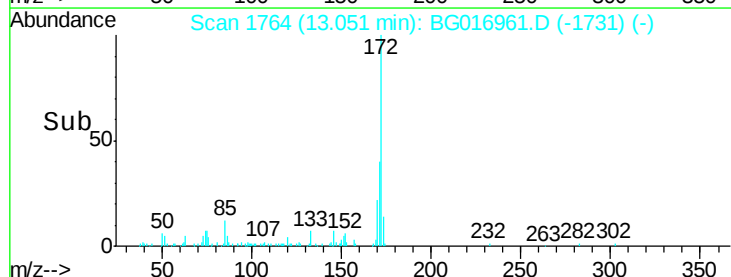
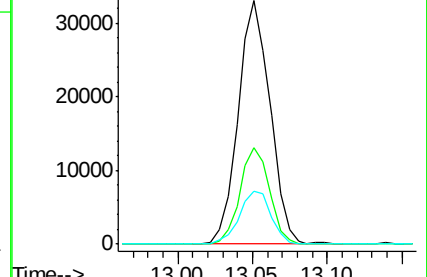
170 21.8 19.0 28.4

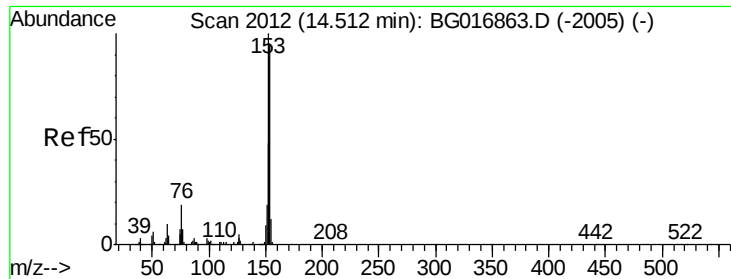


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 4.51 ng

RT: 14.49 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

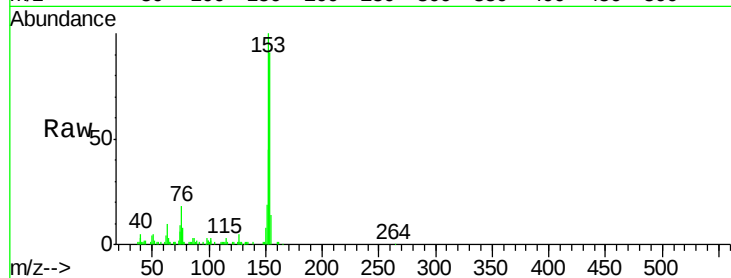
Tgt Ion:154 Resp: 42788

Ion Ratio Lower Upper

154 100

153 109.3 84.2 126.4

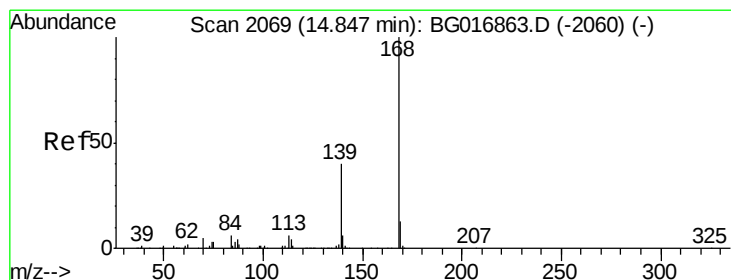
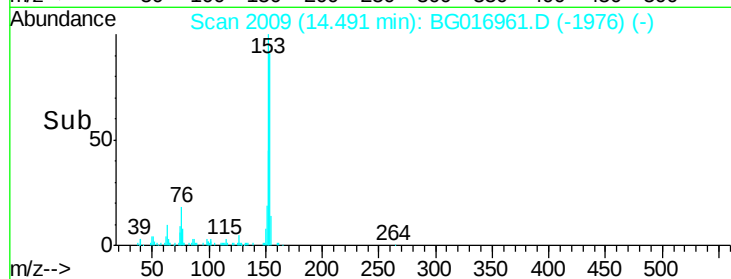
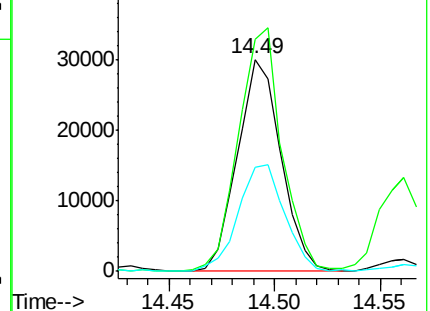
152 49.4 40.2 60.2



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: 2.36 ng

RT: 14.83 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

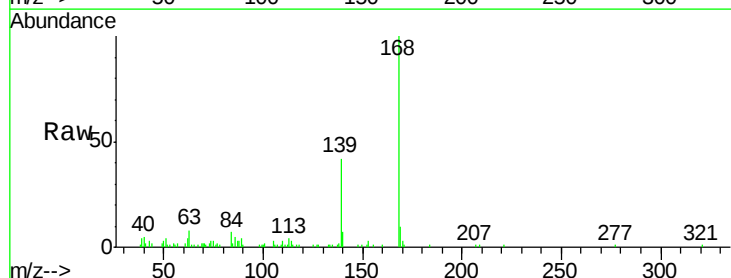
Tgt Ion:168 Resp: 31731

Ion Ratio Lower Upper

168 100

139 41.9 32.5 48.7

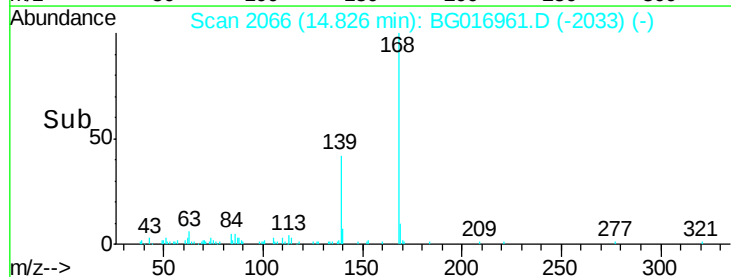
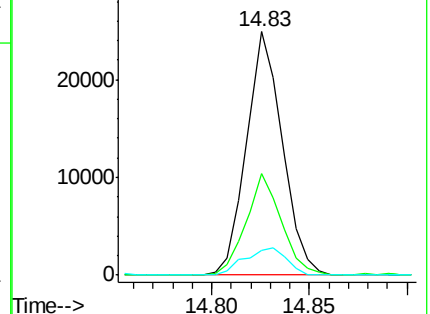
169 10.4 10.4 15.6#

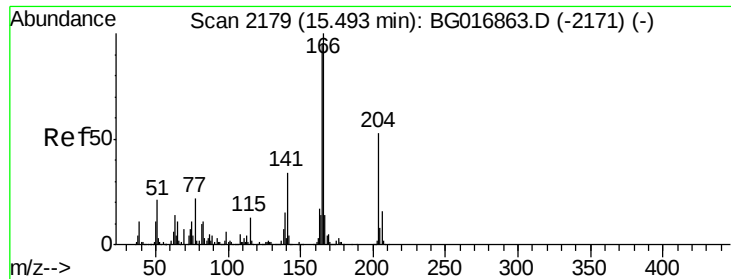


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.18 ng

RT: 15.48 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

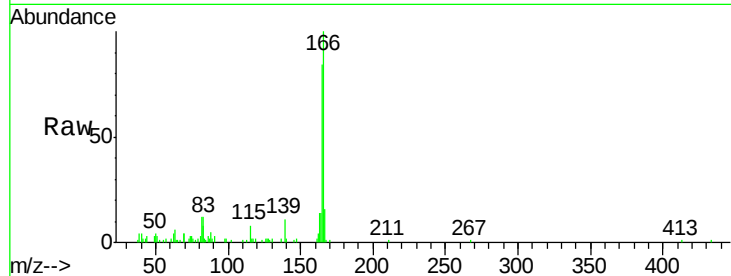
Tgt Ion:166 Resp: 26035

Ion Ratio Lower Upper

166 100

165 84.3 76.1 114.1

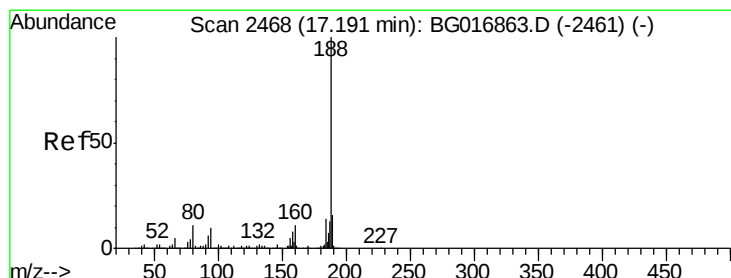
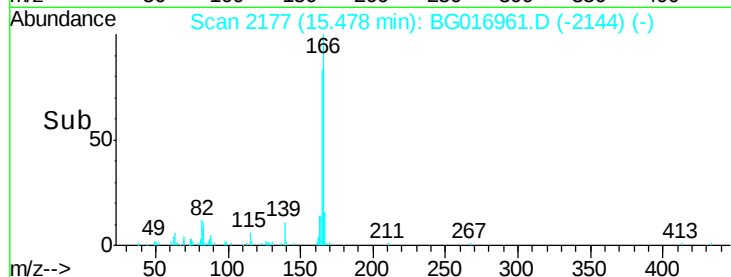
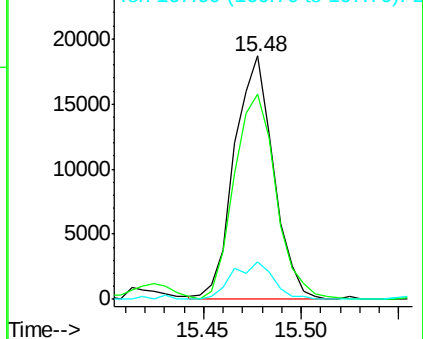
167 15.6 11.4 17.2



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: BG016961.D

Acq: 8 May 2015 17:44

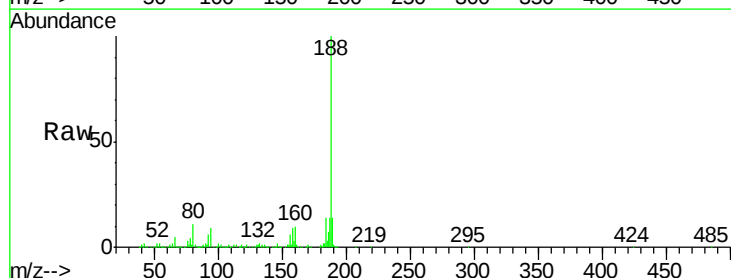
Tgt Ion:188 Resp: 375785

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

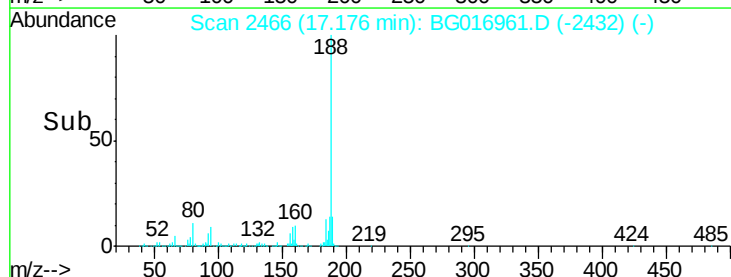
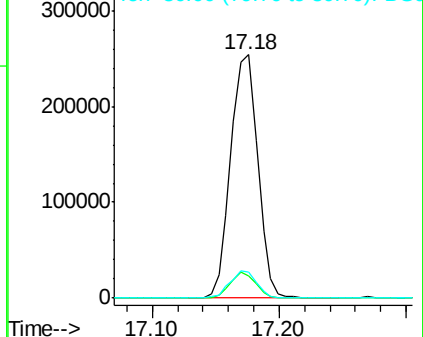
80 10.9 8.8 13.2

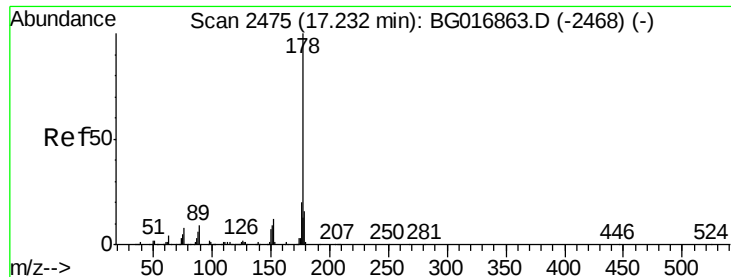


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.24 ng

RT: 17.22 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

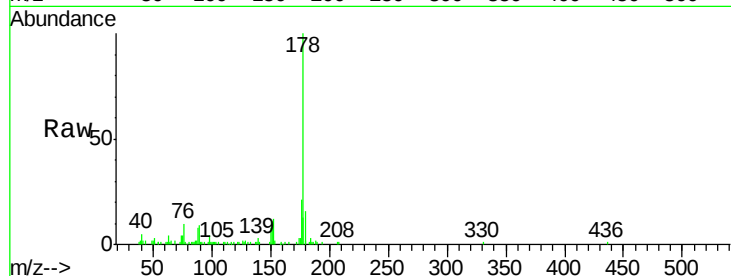
Tgt Ion:178 Resp: 43294

Ion Ratio Lower Upper

178 100

176 21.5 16.0 24.0

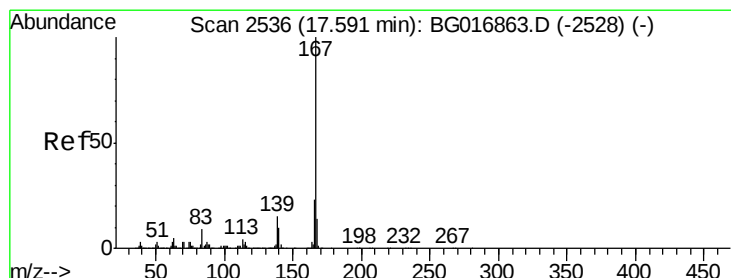
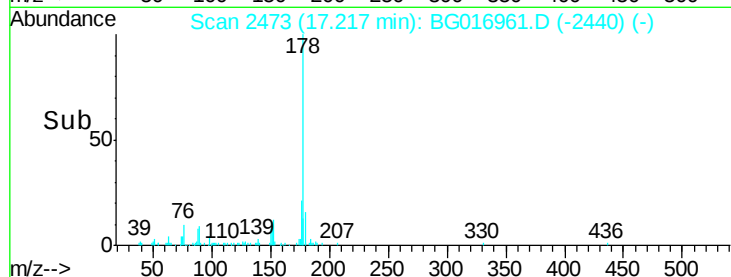
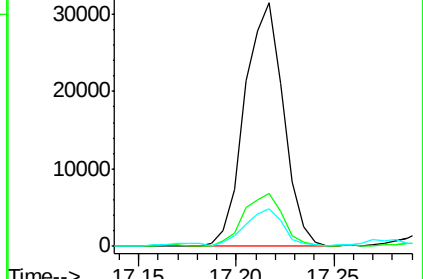
179 15.5 13.0 19.6



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



#72

Carbazole

Concen: 5.67 ng

RT: 17.58 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

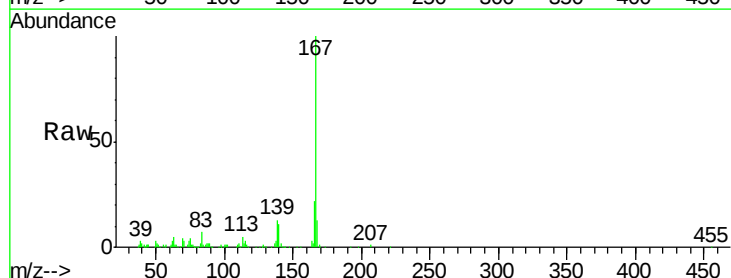
Tgt Ion:167 Resp: 105073

Ion Ratio Lower Upper

167 100

166 22.0 18.4 27.6

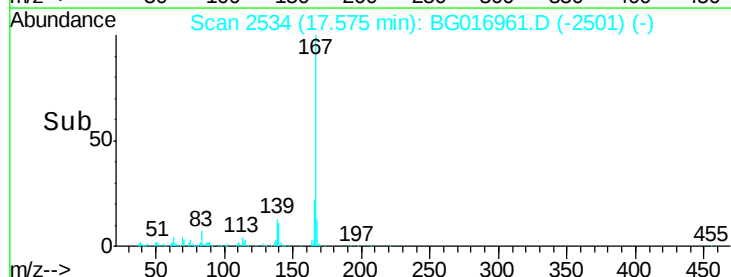
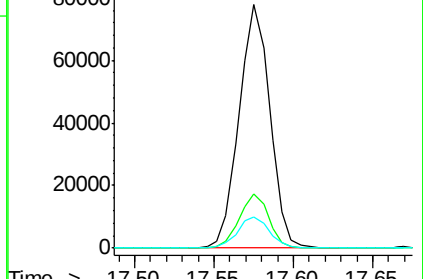
139 13.0 12.2 18.4

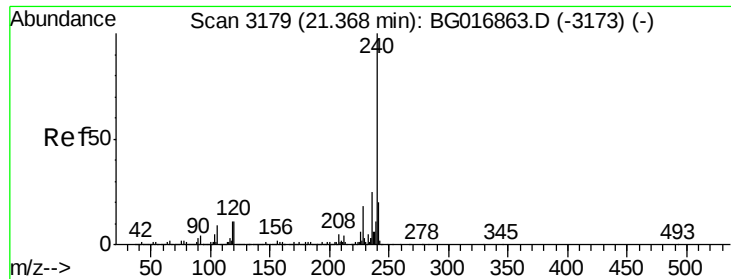


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

Instrument :

BNA_G

ClientSampleId :

DBMW-01DL2

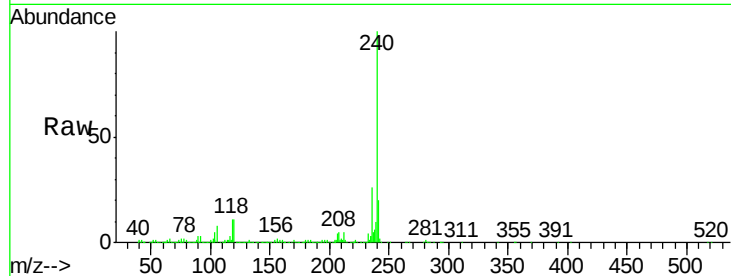
Tgt Ion:240 Resp: 383789

Ion Ratio Lower Upper

240 100

120 10.8 9.1 13.7

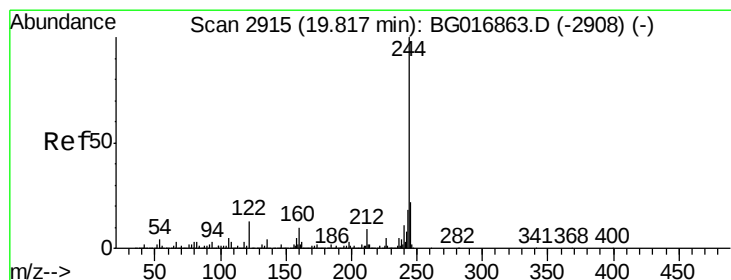
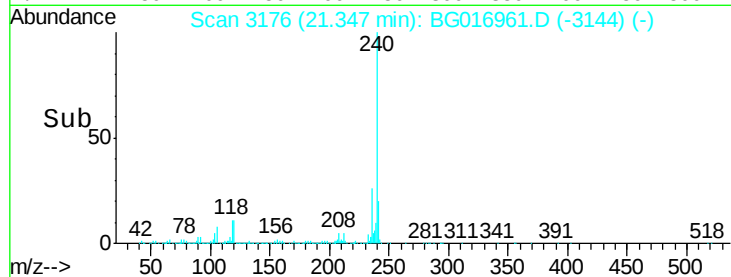
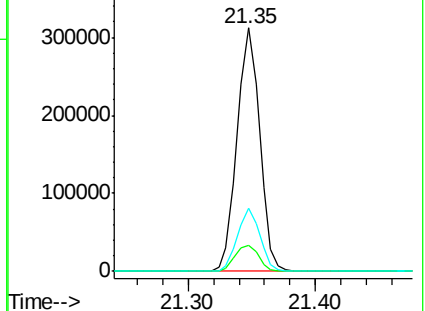
236 25.8 20.2 30.4



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: 4.66 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG016961.D

Acq: 8 May 2015 17:44

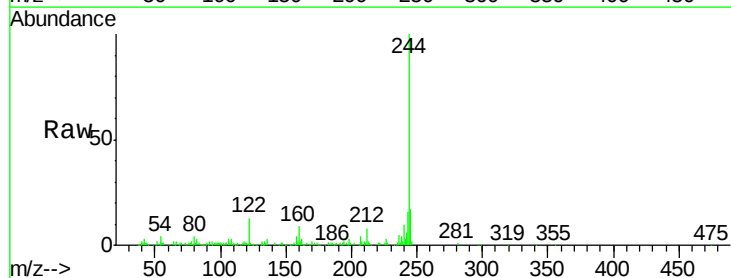
Tgt Ion:244 Resp: 76214

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.6

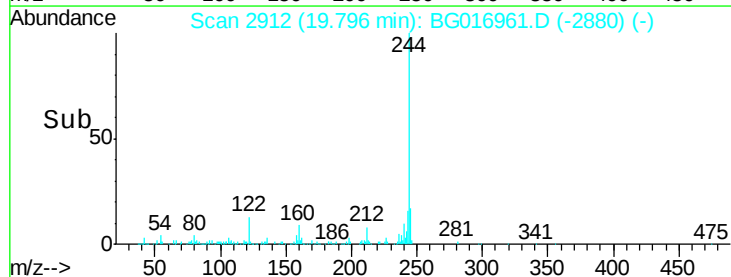
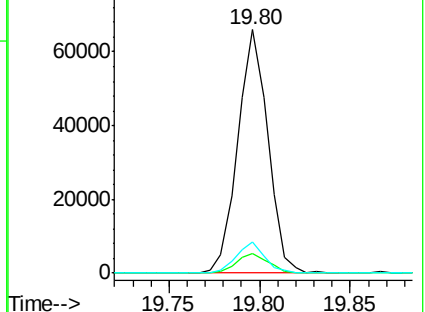
122 12.5 10.4 15.6

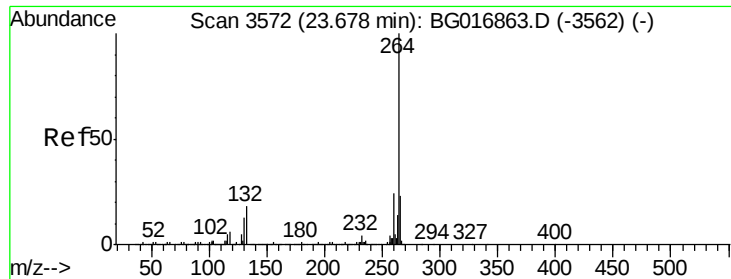


Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.64 min Scan# 3567
Delta R.T. -0.01 min
Lab File: BG016961.D
Acq: 8 May 2015 17:44

Instrument :
BNA_G
ClientSampleId :
DBMW-01DL2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.2	19.5	29.3
265	19.8	18.5	27.7

