

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061515\
 Data File : BG017689.D
 Acq On : 15 Jun 2015 14:36
 Operator : TP/IZ
 Sample : G2522-23DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11CDL

Quant Time: Jun 16 02:01:42 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 13 02:22:44 2015
 Response via : Initial Calibration

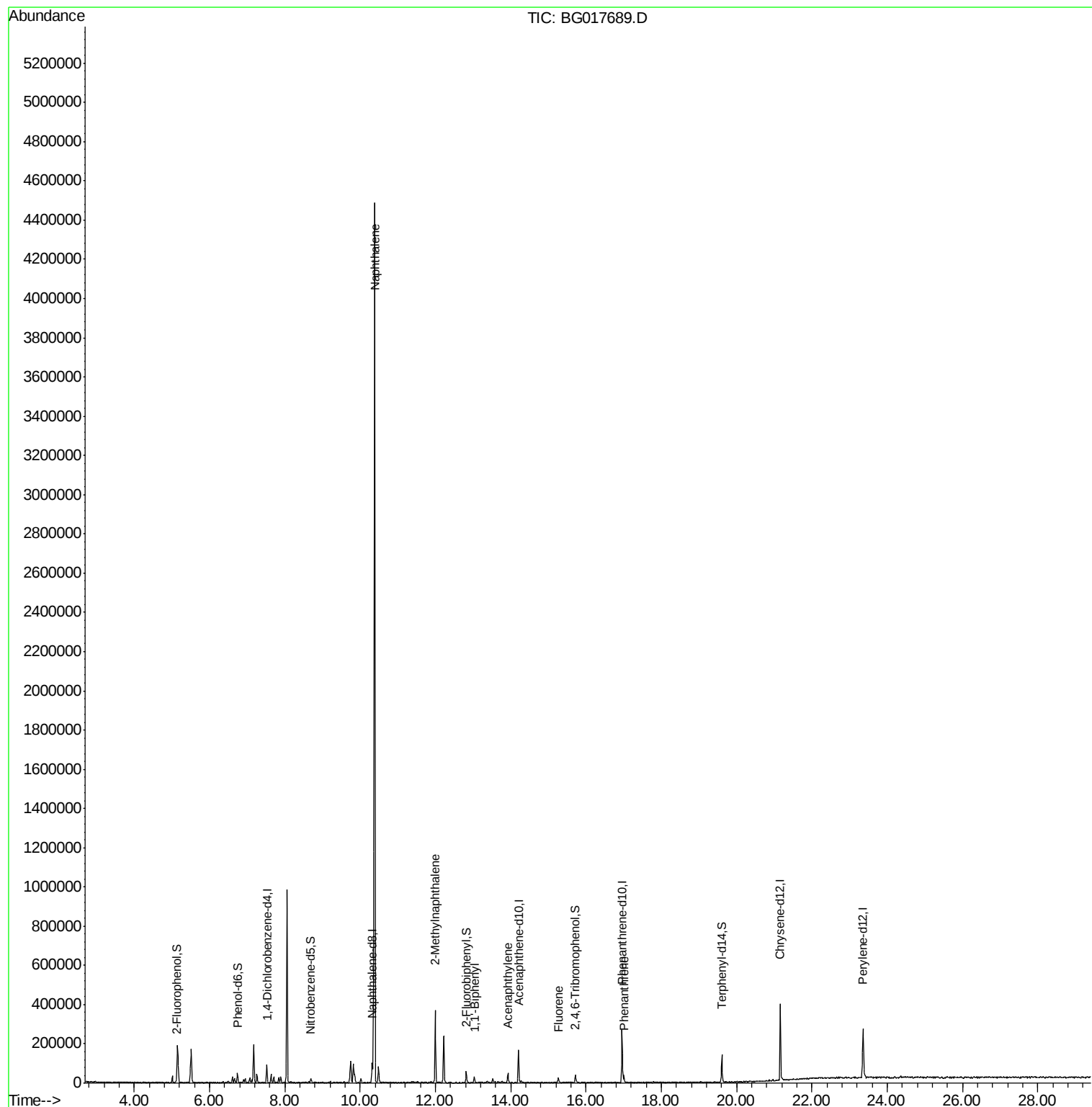
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	17488	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	70290	20.00	ng	0.00
38) Acenaphthene-d10	14.21	164	54136	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	141617	20.00	ng	0.00
75) Chrysene-d12	21.16	240	201375	20.00	ng	0.00
86) Perylene-d12	23.36	264	203484	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	4254	4.71	ng	0.00
7) Phenol-d6	6.74	99	3204	2.42	ng	0.00
23) Nitrobenzene-d5	8.70	82	10832	6.47	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	8227	8.80	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	26616	6.80	ng	0.00
78) Terphenyl-d14	19.61	244	64342	6.67	ng	0.00
Target Compounds						
31) Naphthalene	10.38	128	2911535	767.39	ng	Qvalue # 84
37) 2-Methylnaphthalene	11.99	142	138302	45.60	ng	95
45) 1,1'-Biphenyl	13.03	154	14697	3.70	ng	94
48) Acenaphthylene	13.93	152	28215	5.04	ng	99
57) Fluorene	15.26	166	10440	2.22	ng	99
70) Phenanthrene	17.00	178	19474	2.46	ng	95

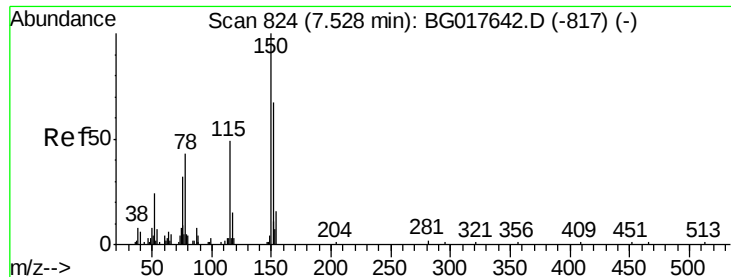
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 16 02:01:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 13 02:22:44 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 823

Delta R.T. -0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Instrument :

BNA_G

ClientSampleId :

MW-11CDL

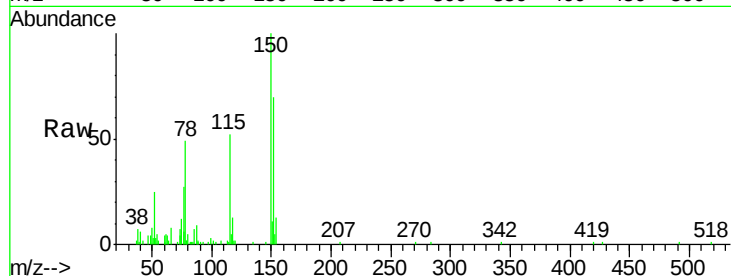
Tgt Ion:152 Resp: 17488

Ion Ratio Lower Upper

152 100

150 143.3 119.4 179.0

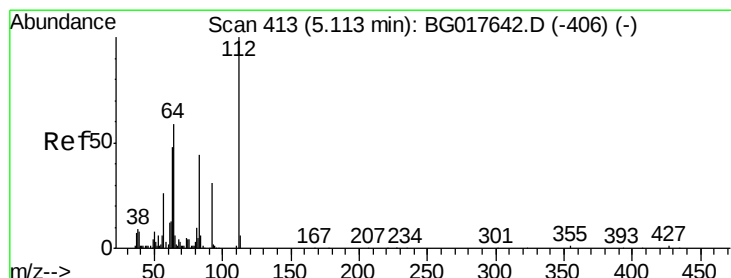
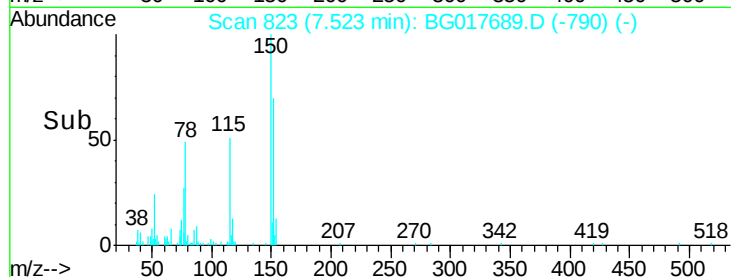
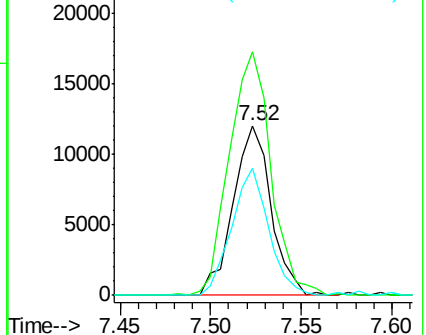
115 74.7 58.2 87.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 4.71 ng

RT: 5.11 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

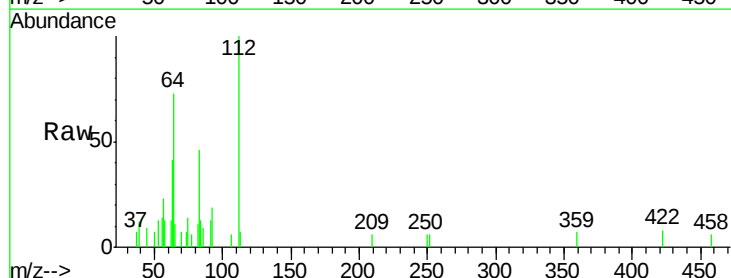
Tgt Ion:112 Resp: 4254

Ion Ratio Lower Upper

112 100

64 73.4 47.0 70.6#

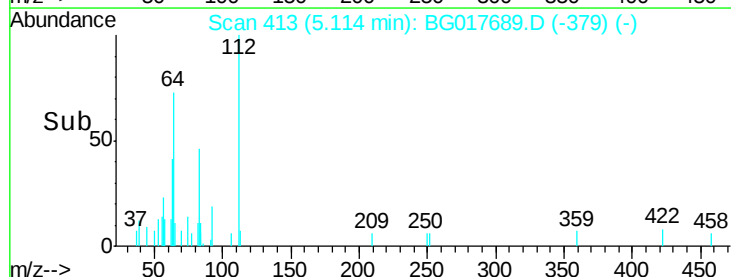
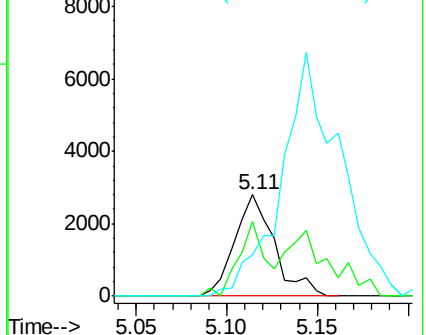
63 41.5 38.6 58.0

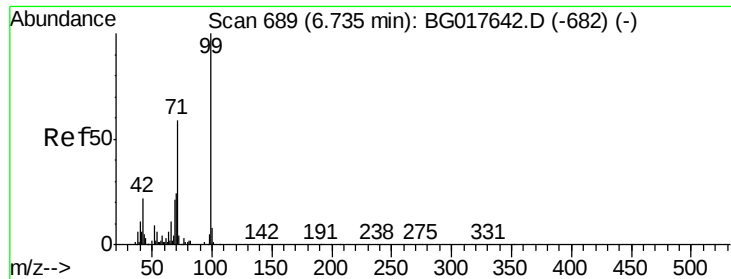


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 2.42 ng

RT: 6.74 min Scan# 690

Delta R.T. 0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Instrument :

BNA_G

ClientSampleId :

MW-11CDL

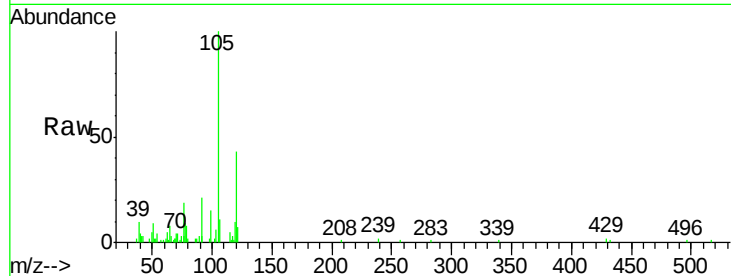
Tgt Ion: 99 Resp: 3204

Ion Ratio Lower Upper

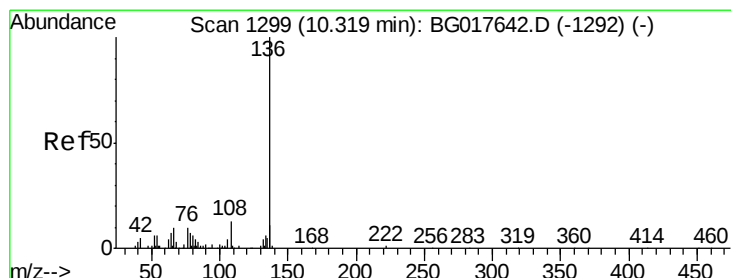
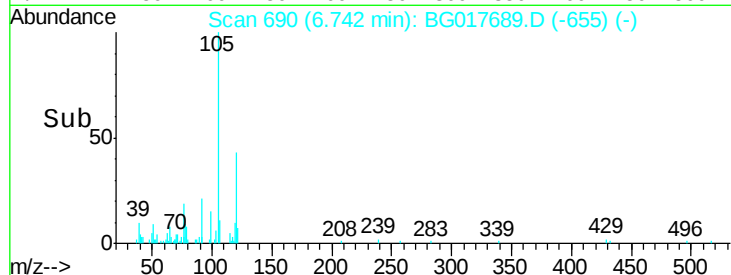
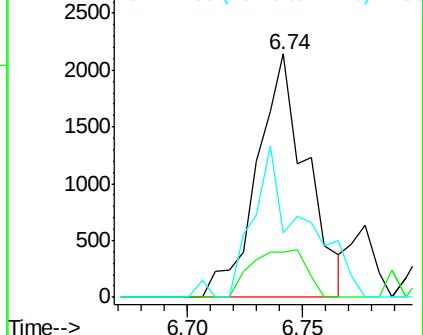
99 100

42 18.4 17.4 26.2

71 26.6 47.4 71.0#



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: 10.32 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Tgt Ion: 136 Resp: 70290

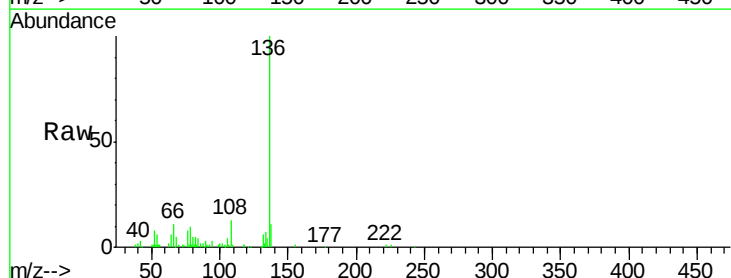
Ion Ratio Lower Upper

136 100

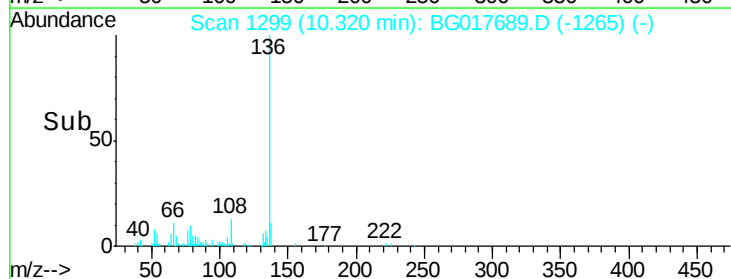
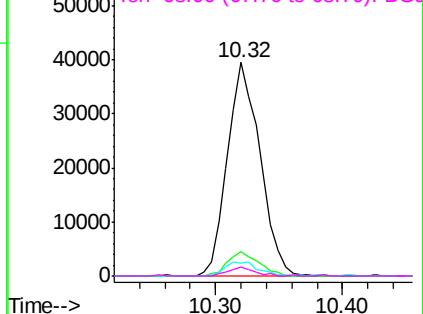
137 11.4 8.7 13.1

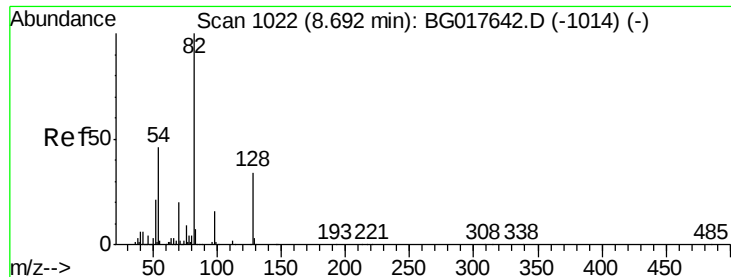
54 6.2 4.7 7.1

68 4.5 2.4 3.6#



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

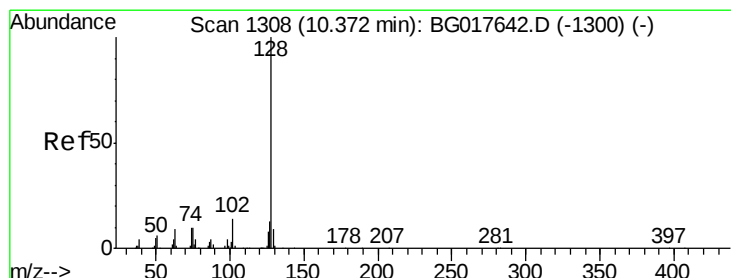
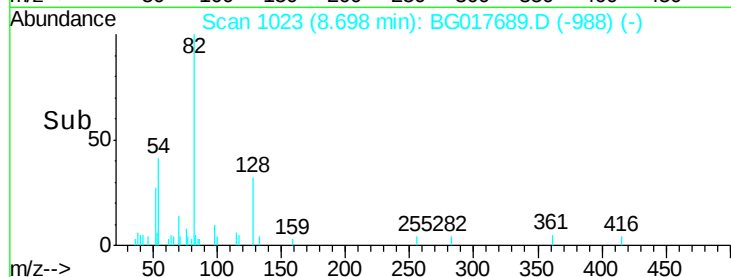
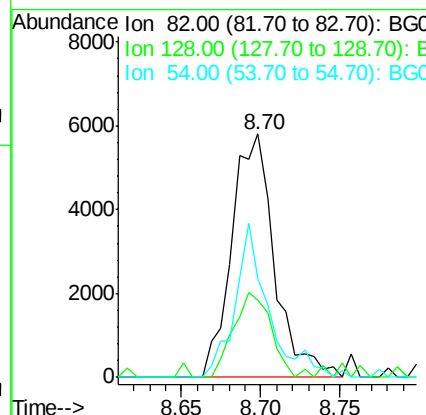
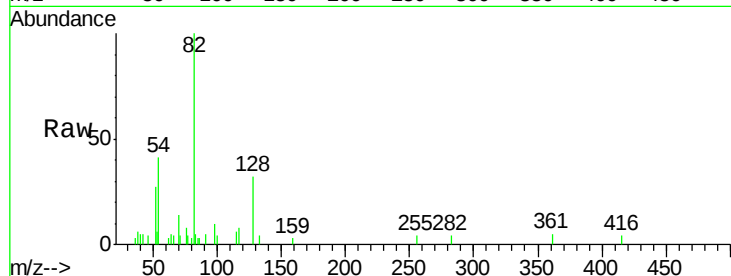




#23
 Nitrobenzene-d5
 Concen: 6.47 ng
 RT: 8.70 min Scan# 1023
 Delta R.T. 0.01 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

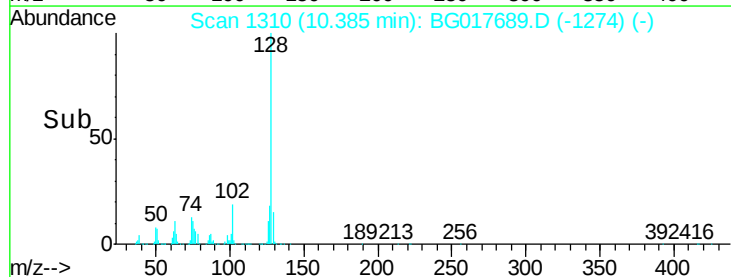
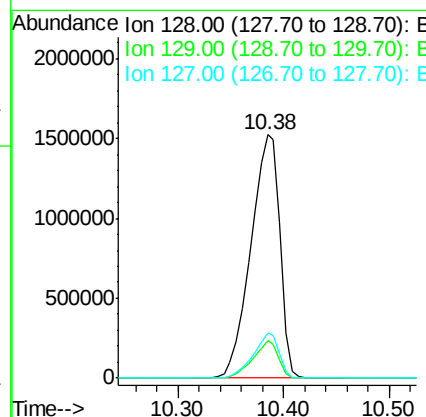
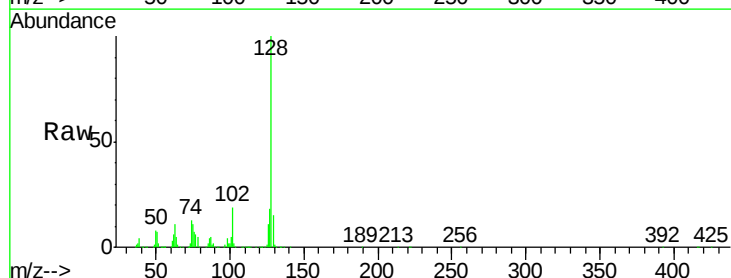
Instrument :
 BNA_G
 ClientSampleId :
 MW-11CDL

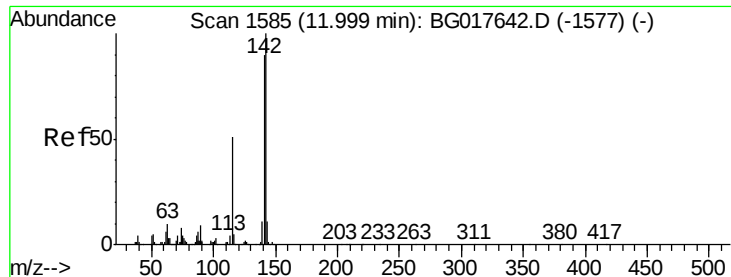
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.9	27.3	40.9
54	40.8	37.0	55.4



#31
 Naphthalene
 Concen: 767.39 ng
 RT: 10.38 min Scan# 1310
 Delta R.T. 0.01 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.2	7.0	10.4#
127	18.4	10.2	15.2#

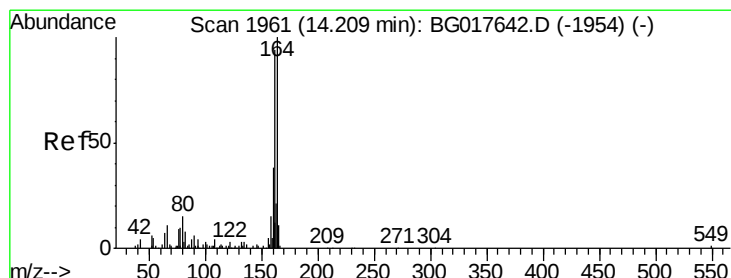
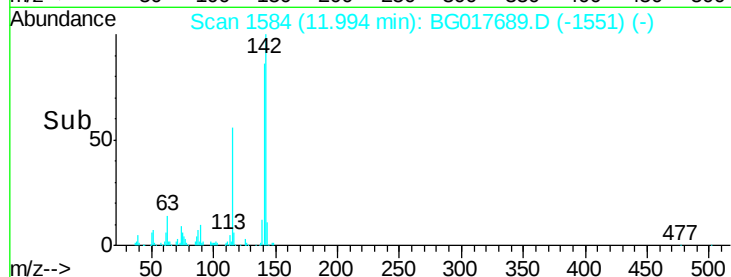
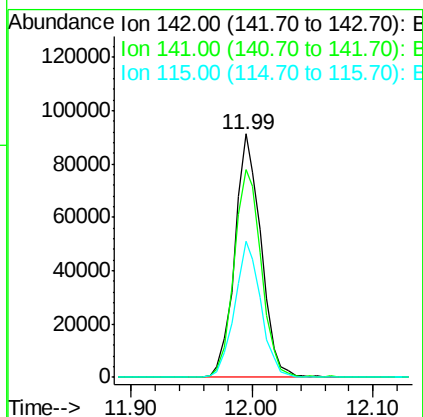
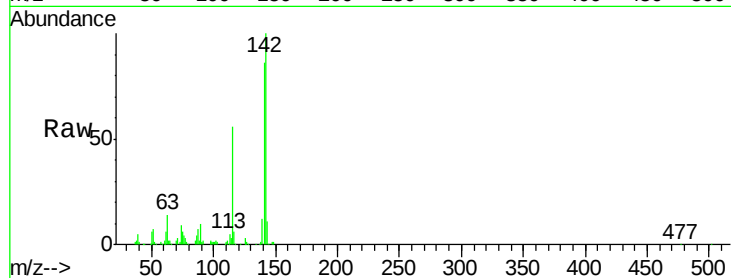




#37
2-Methylnaphthalene
Concen: 45.60 ng
RT: 11.99 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BG017689.D
Acq: 15 Jun 2015 14:36

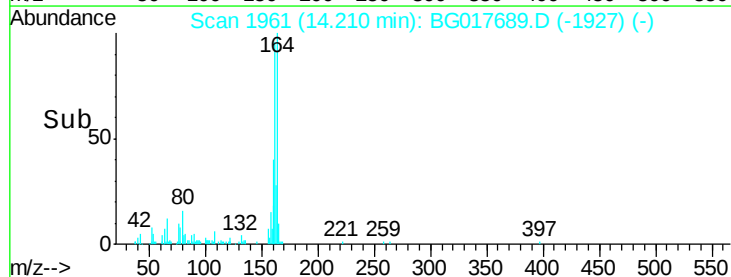
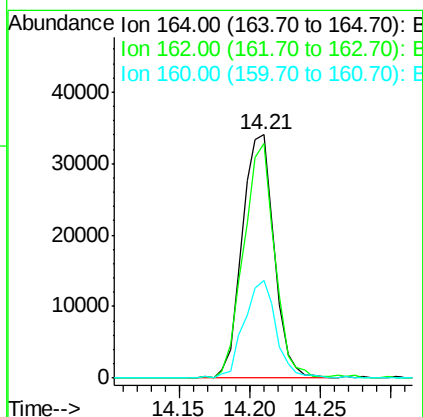
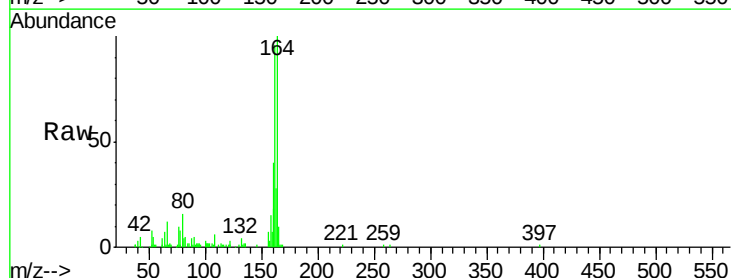
Instrument :
BNA_G
ClientSampleId :
MW-11CDL

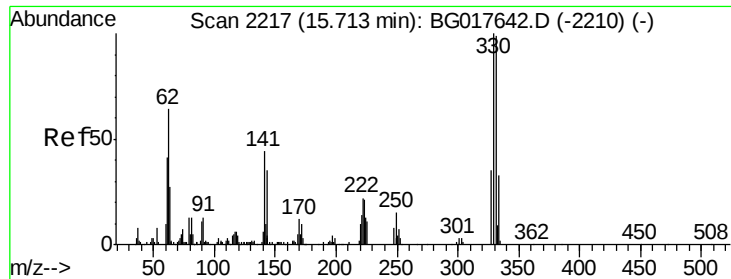
Tgt Ion:142 Resp: 138302
Ion Ratio Lower Upper
142 100
141 85.6 71.8 107.8
115 55.8 41.0 61.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.21 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BG017689.D
Acq: 15 Jun 2015 14:36

Tgt Ion:164 Resp: 54136
Ion Ratio Lower Upper
164 100
162 96.3 75.0 112.4
160 40.2 30.3 45.5

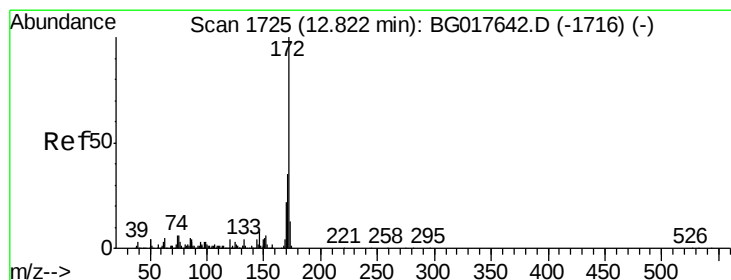
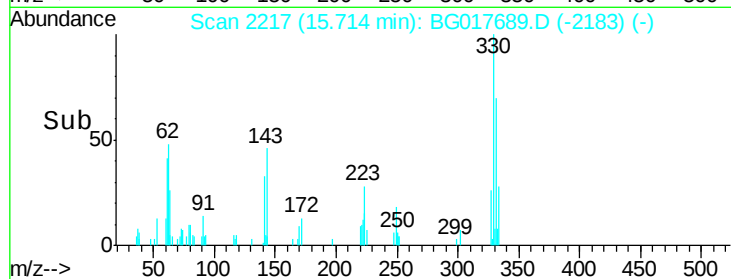
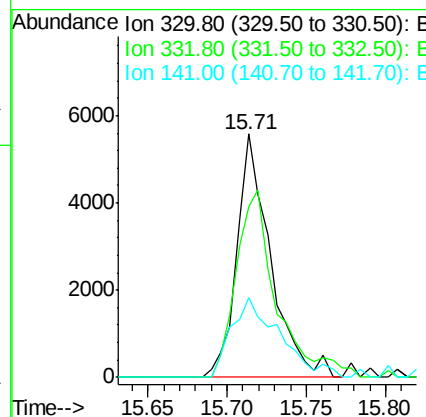
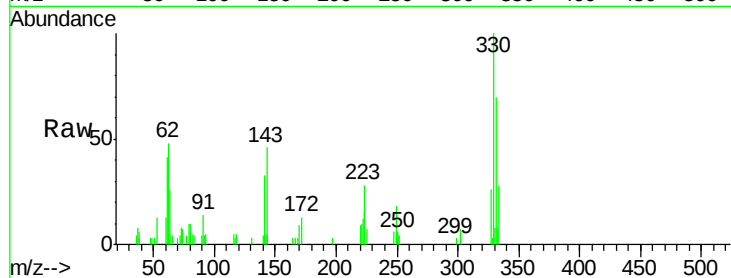




#41
 2,4,6-Tribromophenol
 Concen: 8.80 ng
 RT: 15.71 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

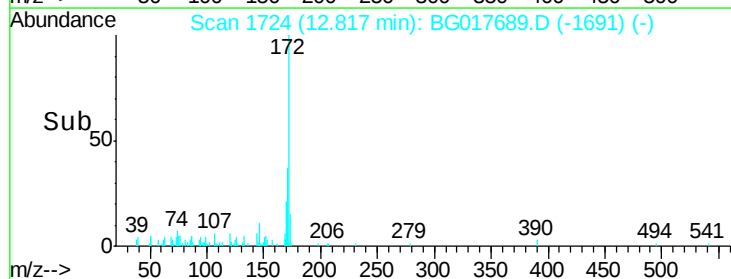
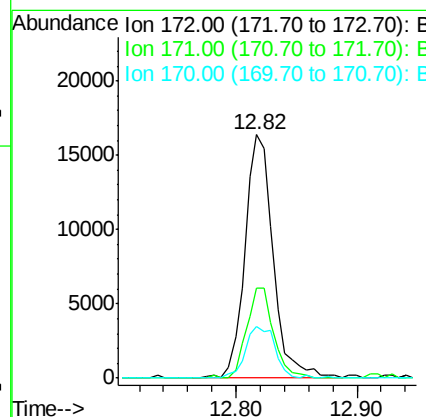
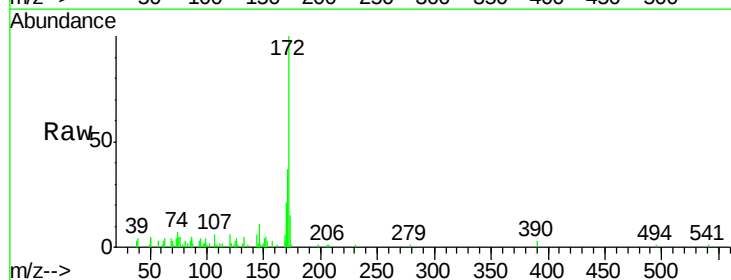
Instrument :
 BNA_G
 ClientSampled :
 MW-11CDL

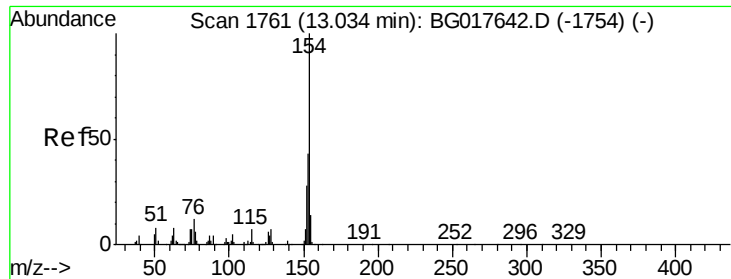
Tgt Ion:330 Resp: 8227
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.6 114.8
 141 46.9 34.6 51.8



#44
 2-Fluorobiphenyl
 Concen: 6.80 ng
 RT: 12.82 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

Tgt Ion:172 Resp: 26616
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.2 42.2
 170 21.3 17.4 26.2

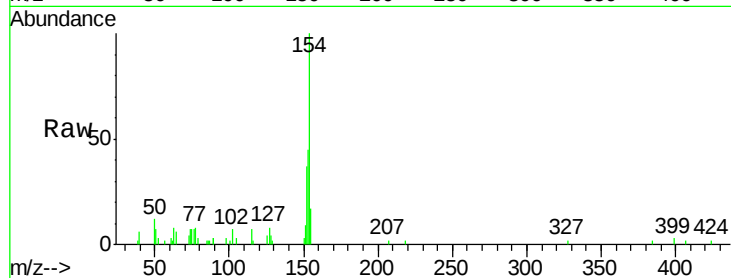




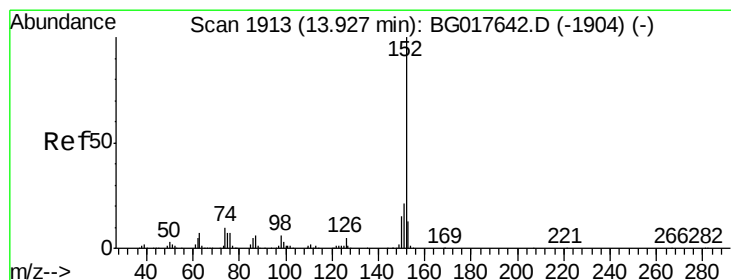
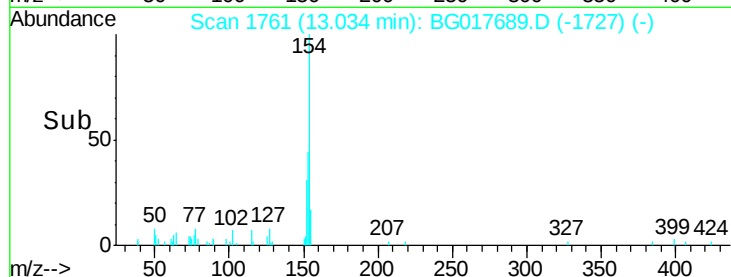
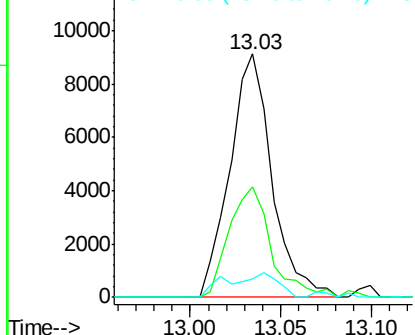
#45
 1,1'-Biphenyl
 Concen: 3.70 ng
 RT: 13.03 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

Instrument :
 BNA_G
 ClientSampleId :
 MW-11CDL

Tgt Ion:	154	Resp:	14697
Ion Ratio	Lower	Upper	
154	100		
153	45.4	22.9	62.9
76	7.5	0.0	31.8

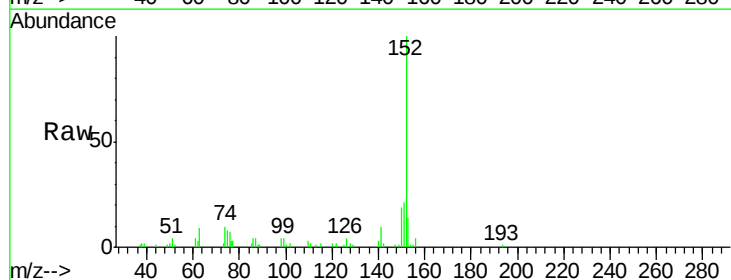


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

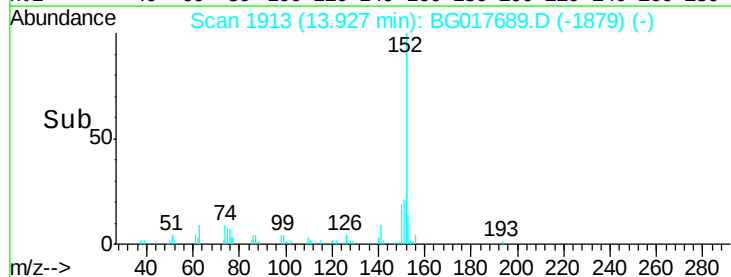
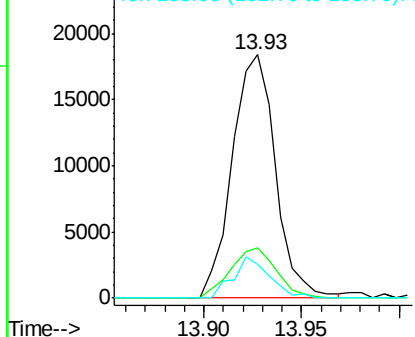


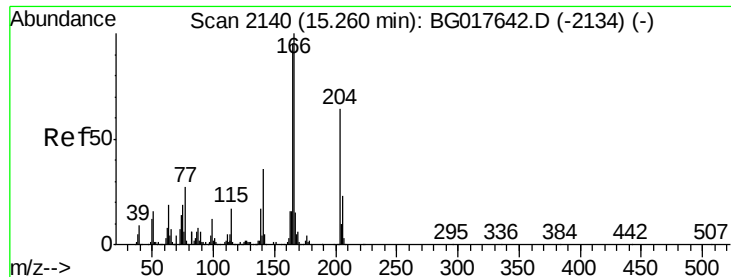
#48
 Acenaphthylene
 Concen: 5.04 ng
 RT: 13.93 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: BG017689.D
 Acq: 15 Jun 2015 14:36

Tgt Ion:	152	Resp:	28215
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.0	25.4
153	13.9	10.5	15.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#57

Fluorene

Concen: 2.22 ng

RT: 15.26 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Instrument :

BNA_G

ClientSampleId :

MW-11CDL

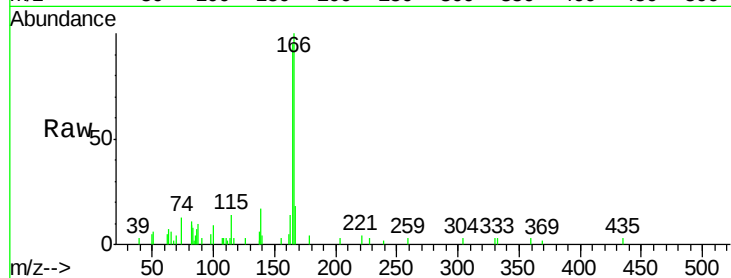
Tgt Ion:166 Resp: 10440

Ion Ratio Lower Upper

166 100

165 94.7 76.2 114.4

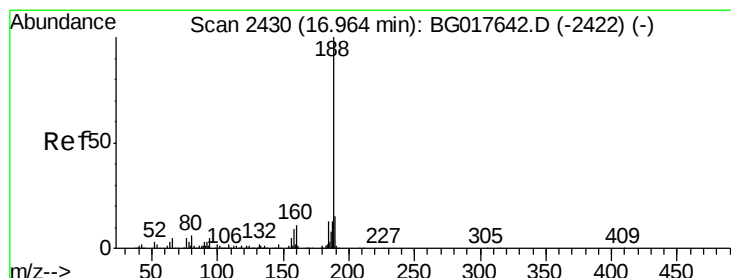
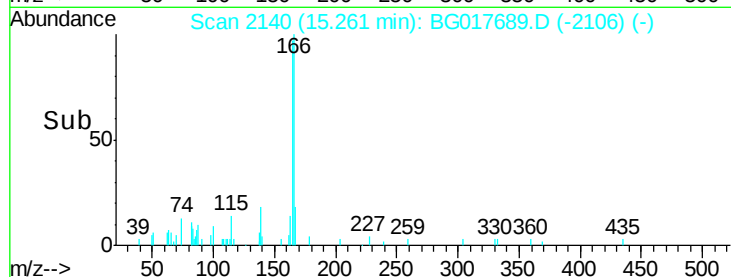
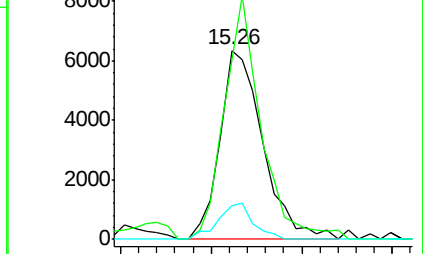
167 17.5 12.2 18.2



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: 16.96 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

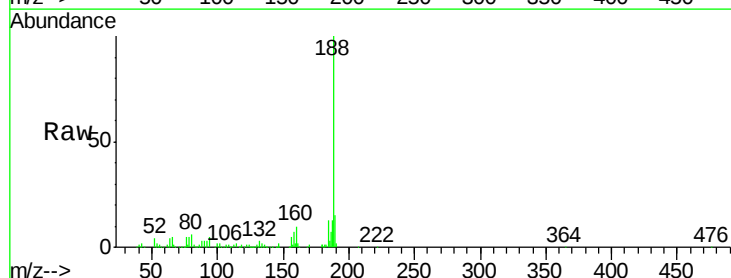
Tgt Ion:188 Resp: 141617

Ion Ratio Lower Upper

188 100

94 4.6 3.9 5.9

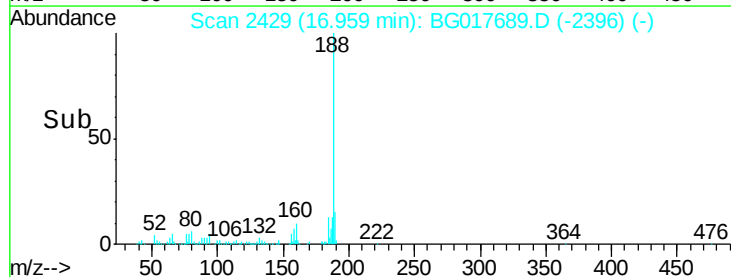
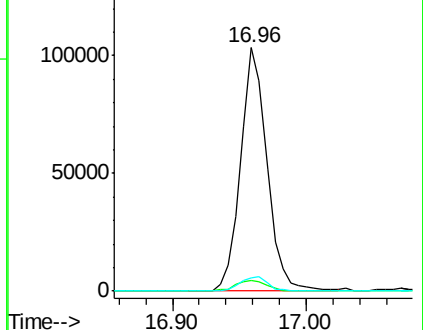
80 5.5 5.0 7.6

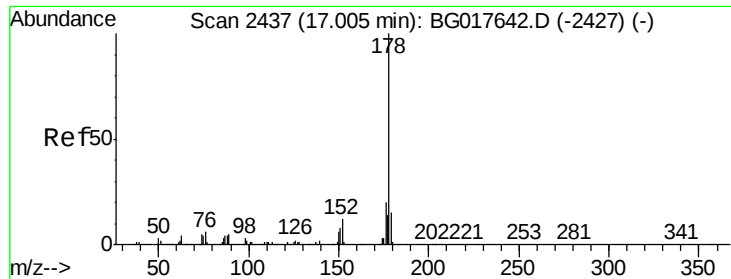


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.46 ng

RT: 17.00 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Instrument :

BNA_G

ClientSampleId :

MW-11CDL

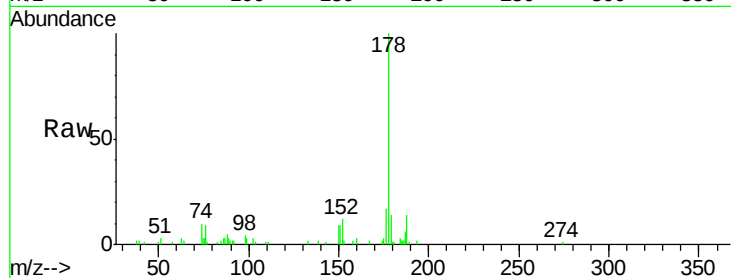
Tgt Ion:178 Resp: 19474

Ion Ratio Lower Upper

178 100

176 17.2 16.2 24.4

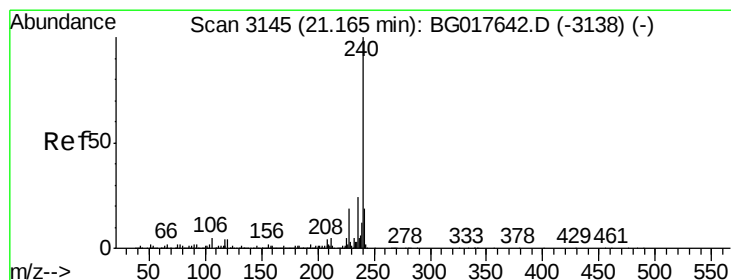
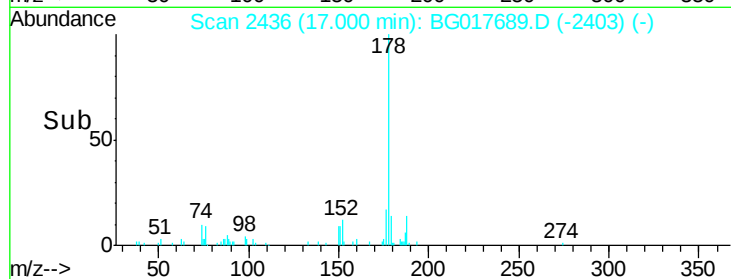
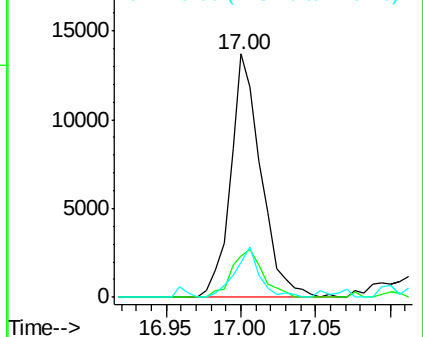
179 14.4 12.3 18.5



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: 21.16 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

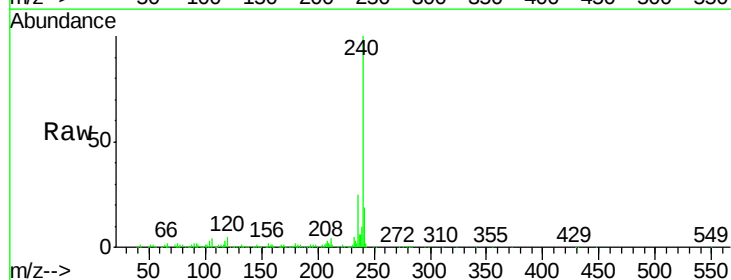
Tgt Ion:240 Resp: 201375

Ion Ratio Lower Upper

240 100

120 5.1 3.5 5.3

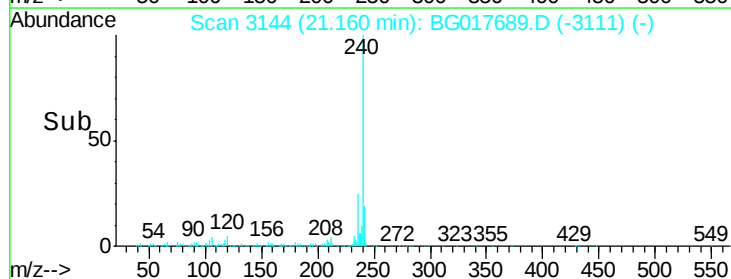
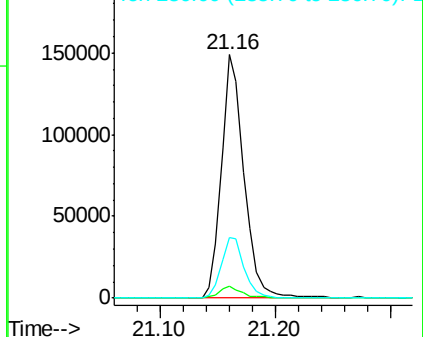
236 25.1 19.5 29.3

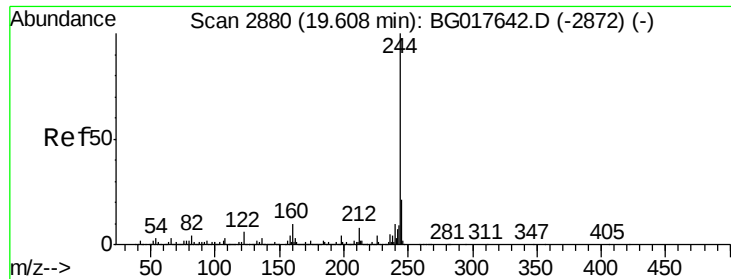


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 6.67 ng

RT: 19.61 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

Instrument :

BNA_G

ClientSampleId :

MW-11CDL

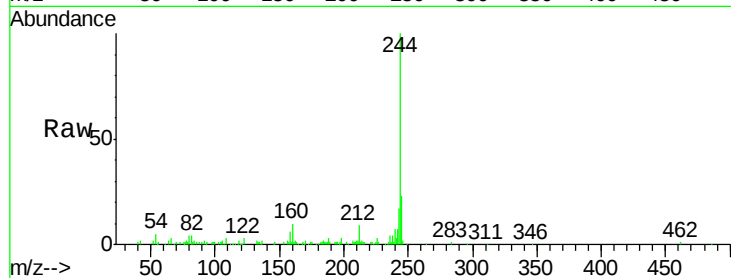
Tgt Ion:244 Resp: 64342

Ion Ratio Lower Upper

244 100

212 8.7 6.3 9.5

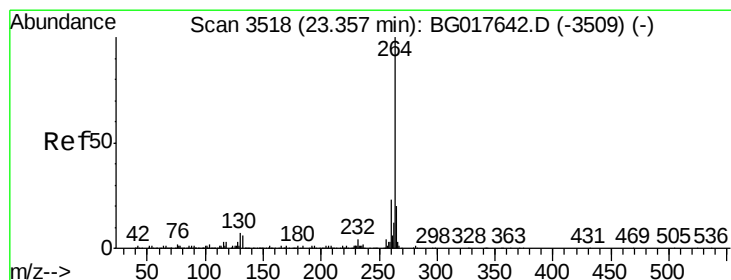
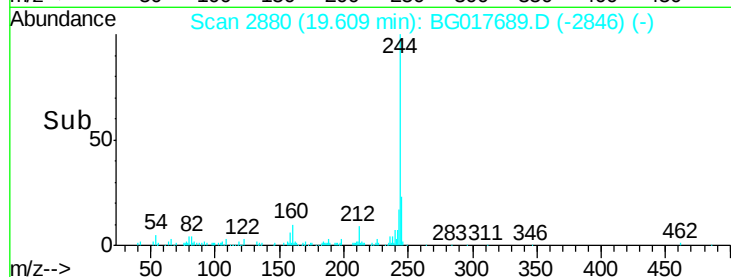
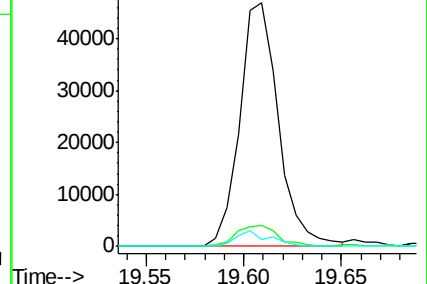
122 2.8 4.6 6.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3519

Delta R.T. 0.01 min

Lab File: BG017689.D

Acq: 15 Jun 2015 14:36

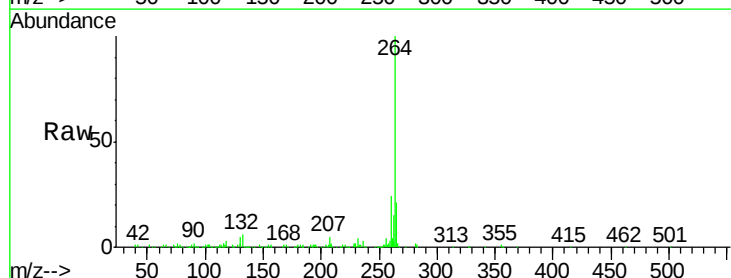
Tgt Ion:264 Resp: 203484

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 21.4 16.2 24.2



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

