

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061215\
 Data File : BG017672.D
 Acq On : 13 Jun 2015 13:01
 Operator : TP/IZ
 Sample : G2627-18
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Quant Time: Jun 15 05:31:34 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

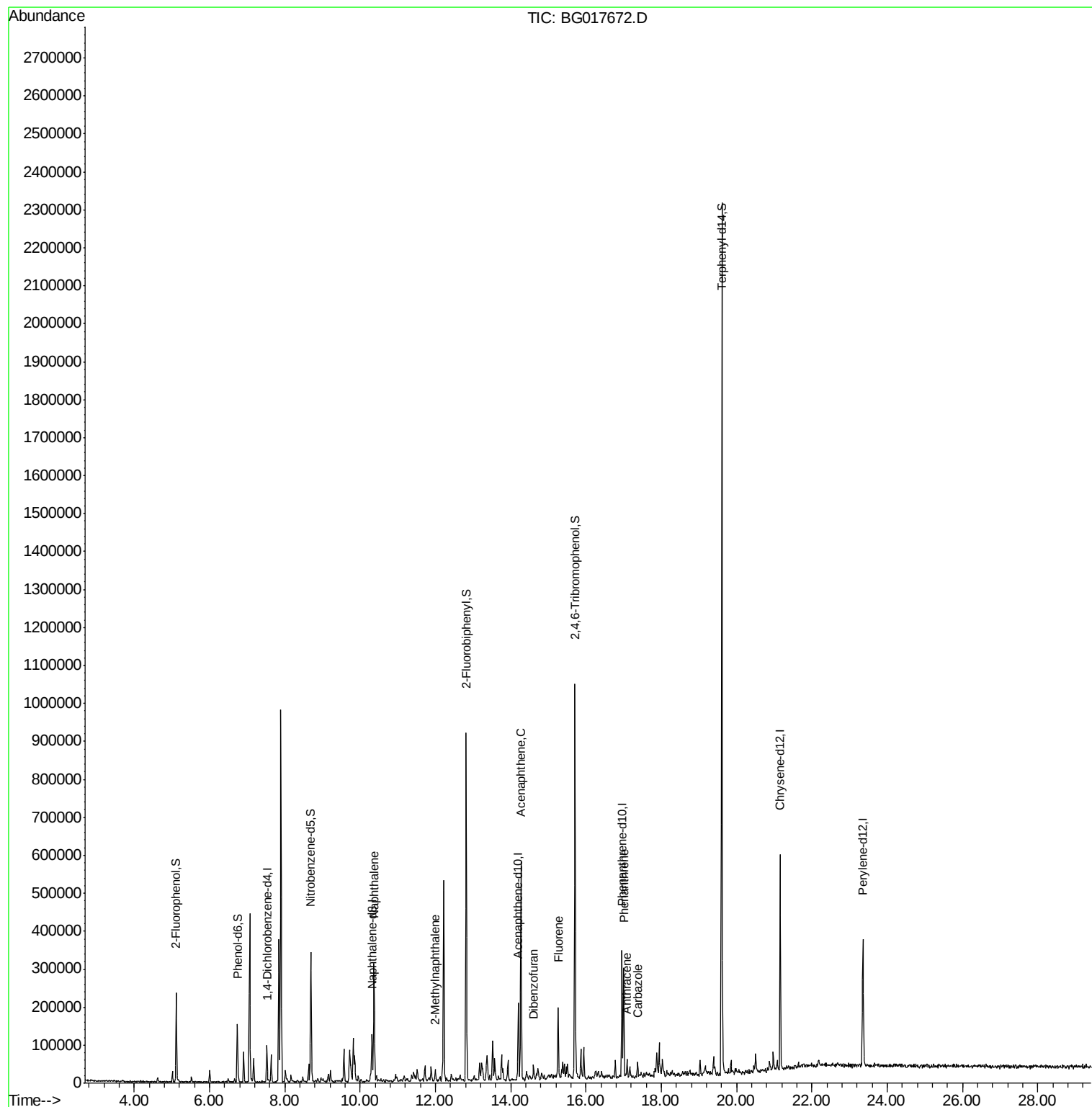
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	19212	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	73596	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	59460	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	169443	20.00	ng	0.00
75) Chrysene-d12	21.16	240	246280	20.00	ng	0.00
86) Perylene-d12	23.36	264	238198	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	72840	73.43	ng	0.00
7) Phenol-d6	6.74	99	65010	44.73	ng	0.00
23) Nitrobenzene-d5	8.69	82	159937	91.22	ng	0.00
41) 2,4,6-Tribromophenol	15.71	330	149075	145.24	ng	0.00
44) 2-Fluorobiphenyl	12.82	172	381689	88.78	ng	0.00
78) Terphenyl-d14	19.61	244	953336	80.75	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.37	128	190503	47.96	ng	# 94
37) 2-Methylnaphthalene	11.99	142	7356	2.32	ng	84
51) Acenaphthene	14.27	154	180015	49.29	ng	98
54) Dibenzofuran	14.61	168	12657	2.10	ng	# 93
57) Fluorene	15.26	166	70465	13.62	ng	99
70) Phenanthrene	17.00	178	145557	15.39	ng	97
71) Anthracene	17.09	178	26634	2.84	ng	96
72) Carbazole	17.38	167	21371	2.48	ng	98

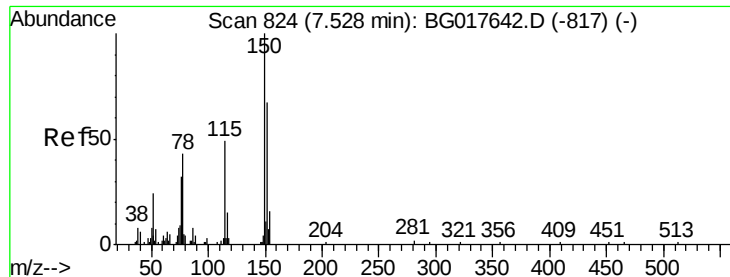
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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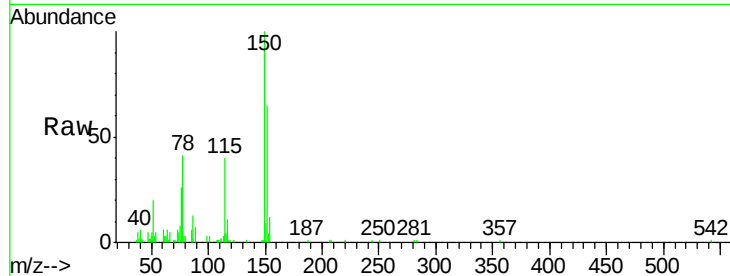


#1

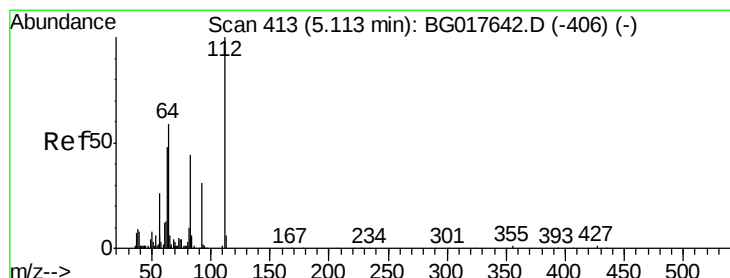
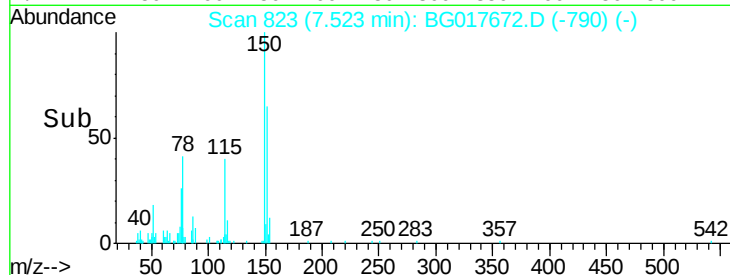
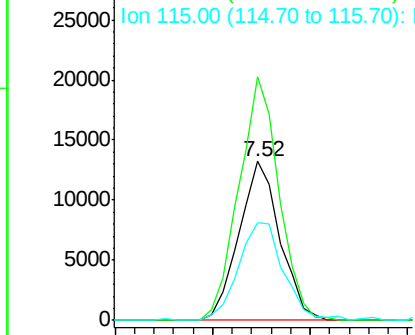
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG017672.D
Acq: 13 Jun 2015 13:01

Instrument :
BNA_G
ClientSampleId :
MW-16

Tgt Ion:152 Resp: 19212
Ion Ratio Lower Upper
152 100
150 153.6 119.4 179.0
115 61.9 58.2 87.2



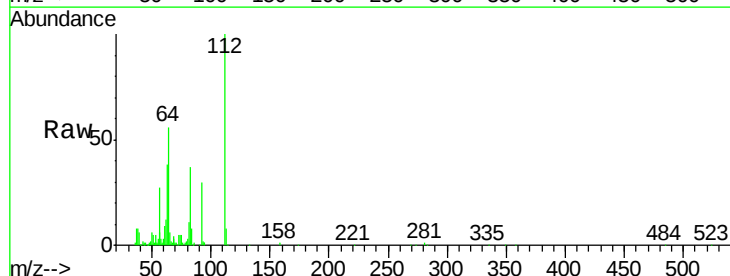
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



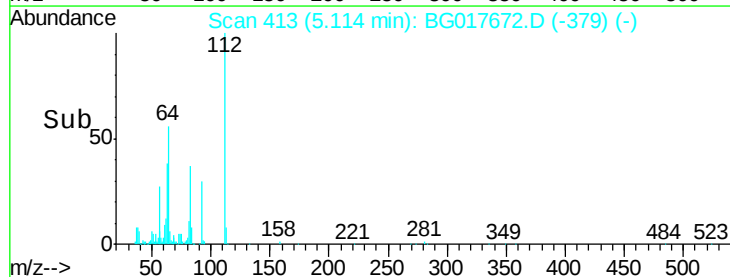
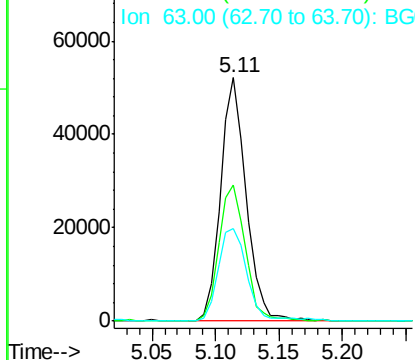
#5

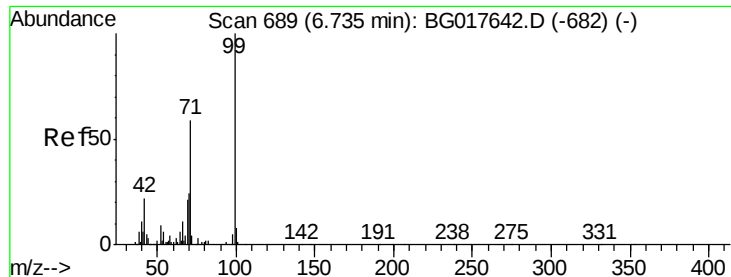
2-Fluorophenol
Concen: 73.43 ng
RT: 5.11 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG017672.D
Acq: 13 Jun 2015 13:01

Tgt Ion:112 Resp: 72840
Ion Ratio Lower Upper
112 100
64 56.0 47.0 70.6
63 37.9 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: 44.73 ng

RT: 6.74 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampleId :

MW-16

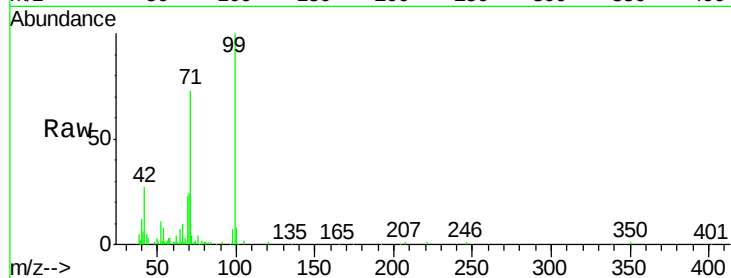
Tgt Ion: 99 Resp: 65010

Ion Ratio Lower Upper

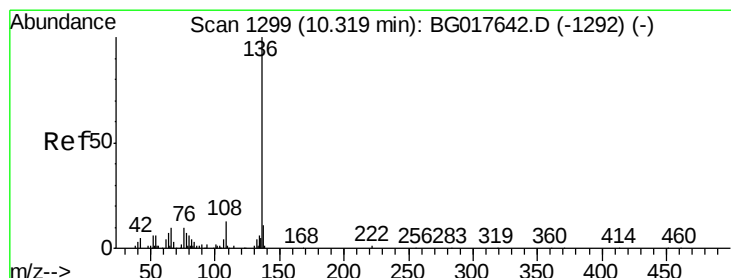
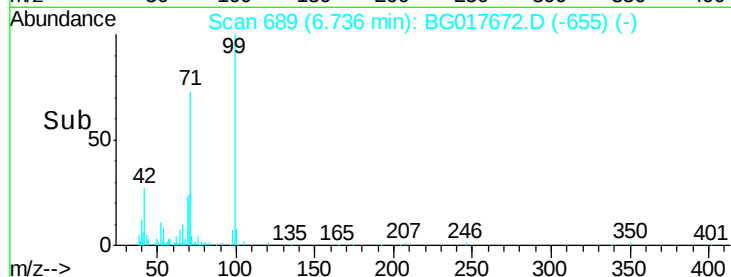
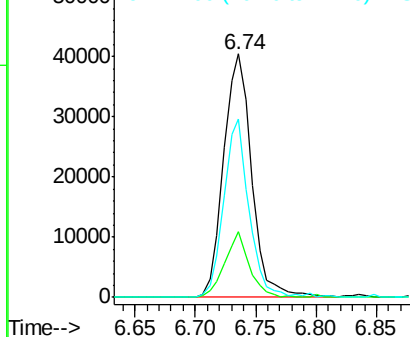
99 100

42 26.8 17.4 26.2#

71 73.1 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: BG017672.D

Acq: 13 Jun 2015 13:01

Tgt Ion: 136 Resp: 73596

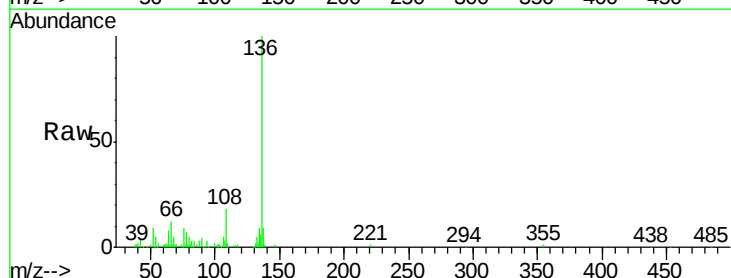
Ion Ratio Lower Upper

136 100

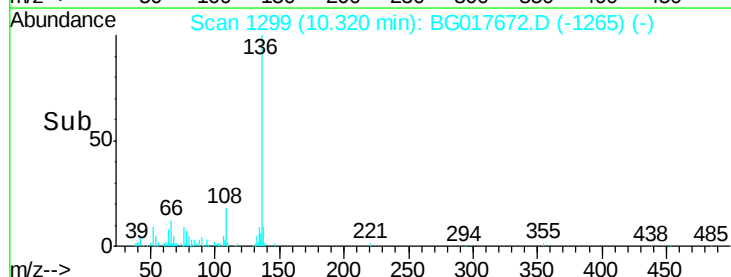
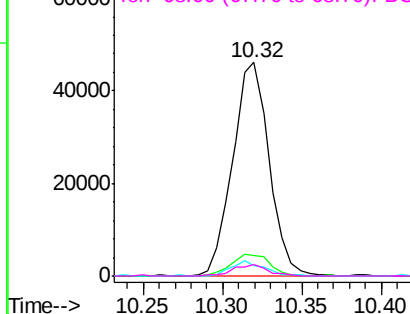
137 9.4 8.7 13.1

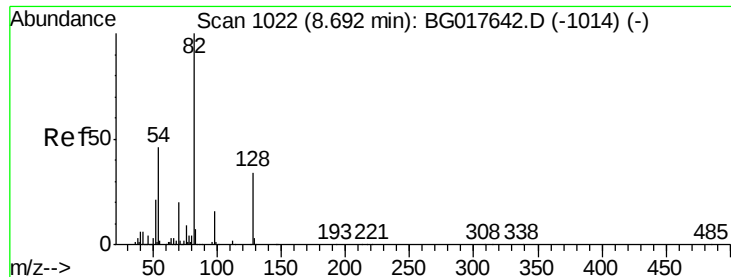
54 5.1 4.7 7.1

68 5.4 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

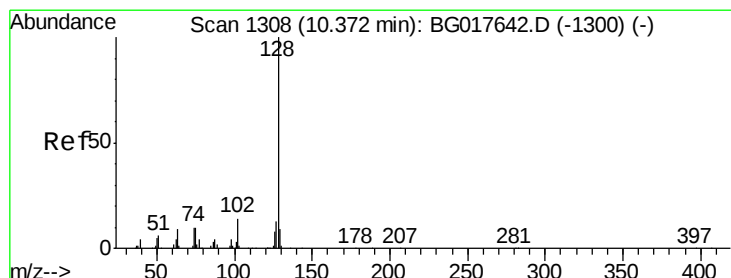
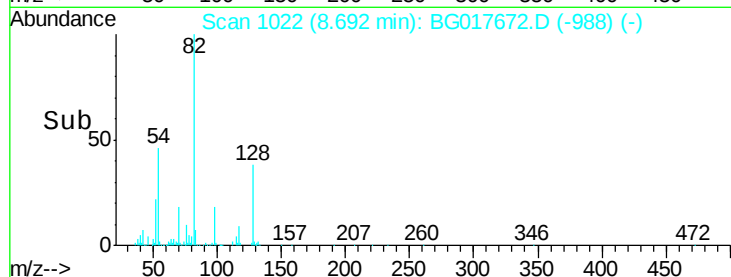
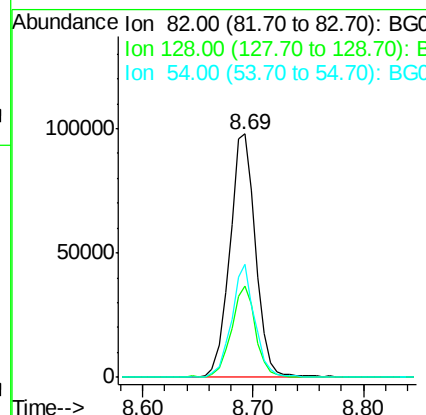
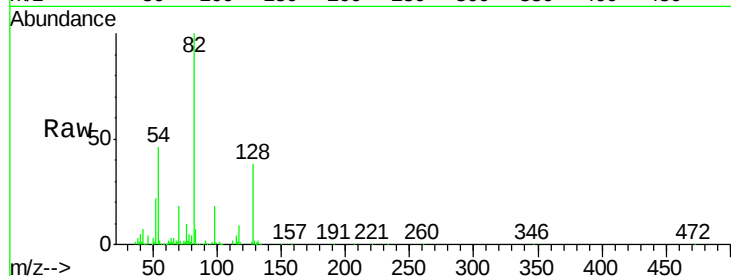




#23
 Nitrobenzene-d5
 Concen: 91.22 ng
 RT: 8.69 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BG017672.D
 Acq: 13 Jun 2015 13:01

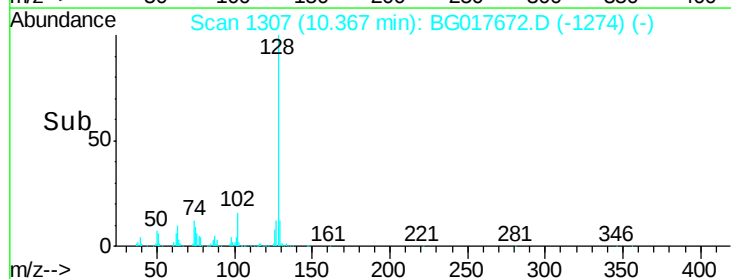
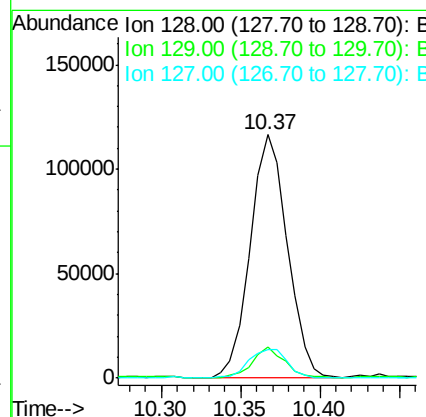
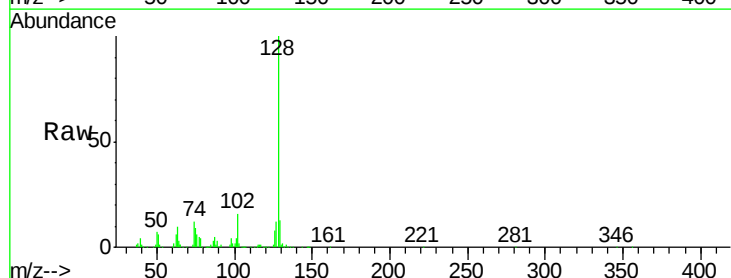
Instrument :
 BNA_G
 ClientSampleId :
 MW-16

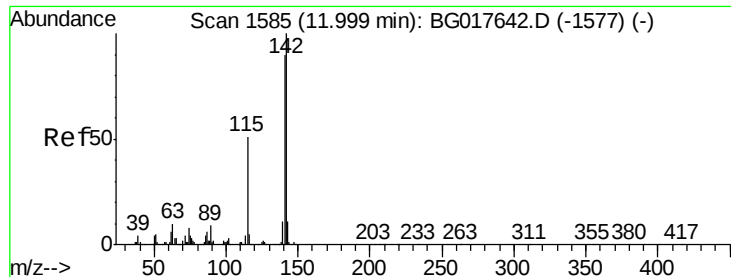
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.6	27.3	40.9
54	46.4	37.0	55.4



#31
 Naphthalene
 Concen: 47.96 ng
 RT: 10.37 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BG017672.D
 Acq: 13 Jun 2015 13:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	7.0	10.4#
127	12.0	10.2	15.2

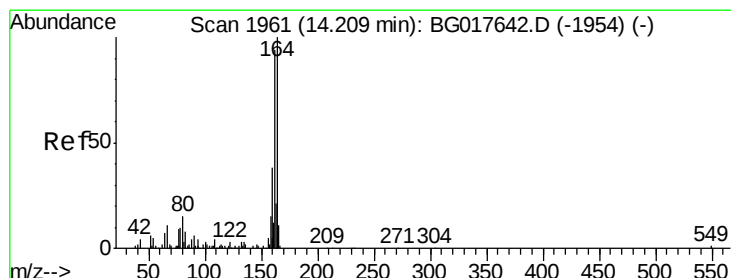
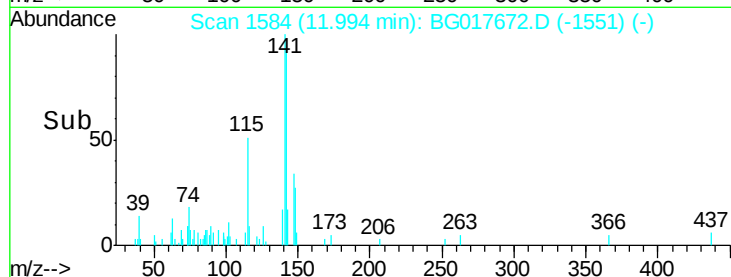
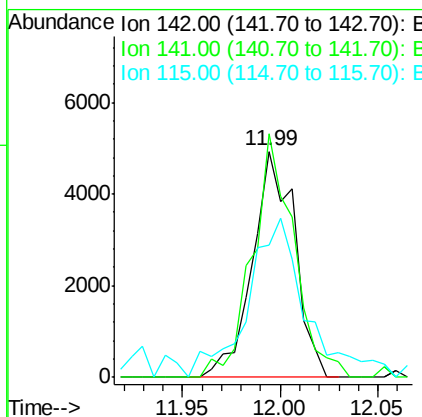
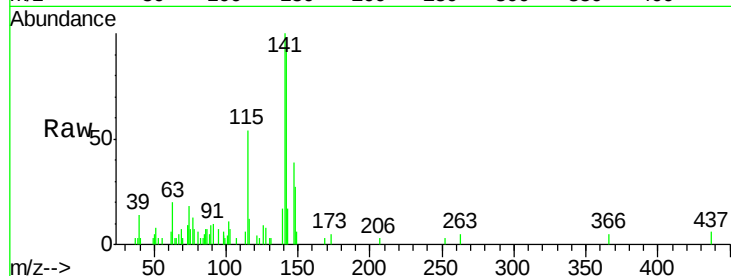




#37
2-Methylnaphthalene
Concen: 2.32 ng
RT: 11.99 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BG017672.D
Acq: 13 Jun 2015 13:01

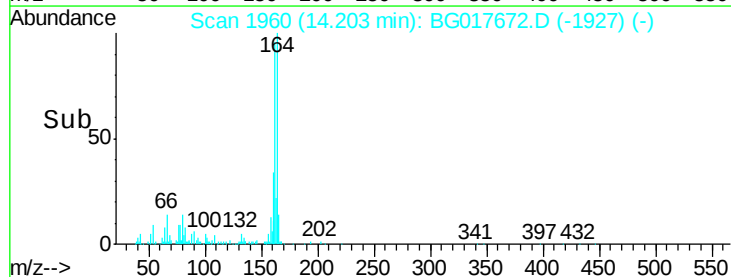
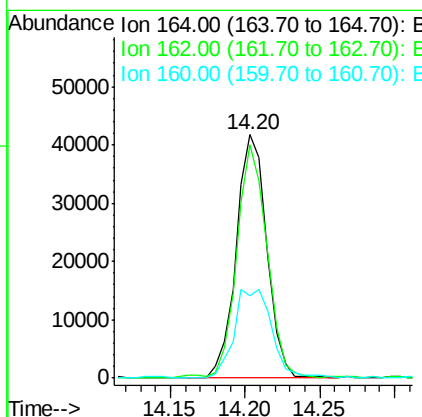
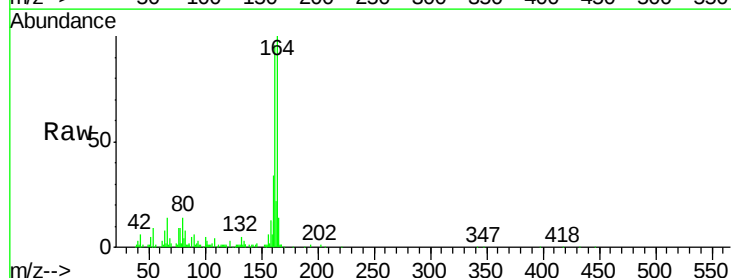
Instrument :
BNA_G
ClientSampleId :
MW-16

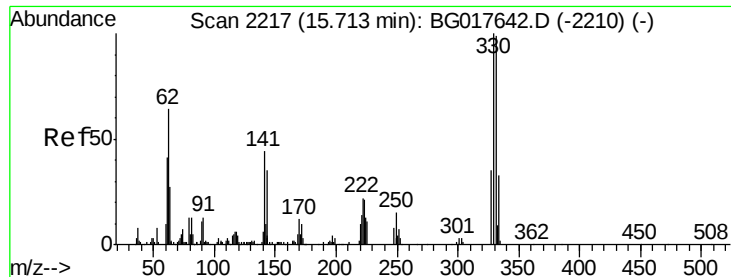
Tgt Ion:142 Resp: 7356
Ion Ratio Lower Upper
142 100
141 107.7 71.8 107.8
115 58.5 41.0 61.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.20 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG017672.D
Acq: 13 Jun 2015 13:01

Tgt Ion:164 Resp: 59460
Ion Ratio Lower Upper
164 100
162 95.9 75.0 112.4
160 33.6 30.3 45.5

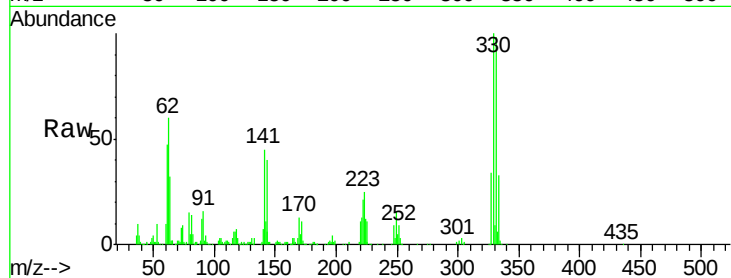




#41
 2,4,6-Tribromophenol
 Concen: 145.24 ng
 RT: 15.71 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG017672.D
 Acq: 13 Jun 2015 13:01

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	47.5	34.6	51.8

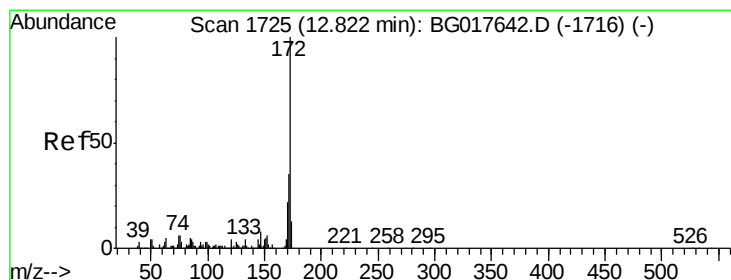
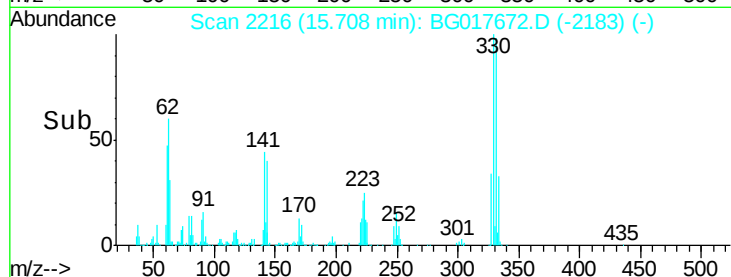
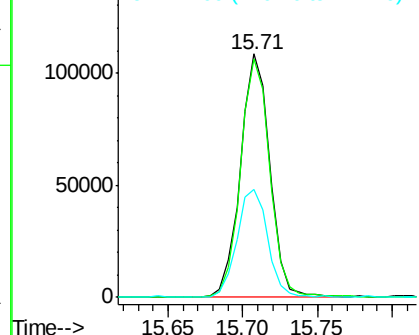


Abundance

Ion 329.80 (329.50 to 330.50): E

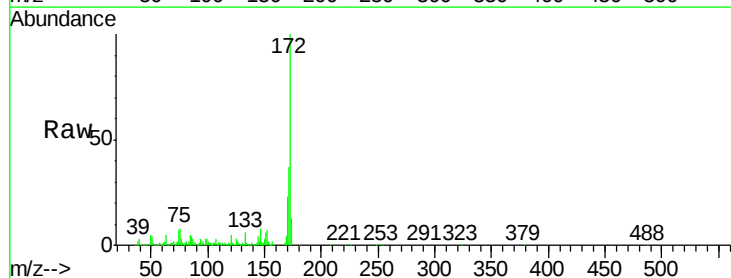
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 88.78 ng
 RT: 12.82 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG017672.D
 Acq: 13 Jun 2015 13:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.2	42.2
170	22.8	17.4	26.2

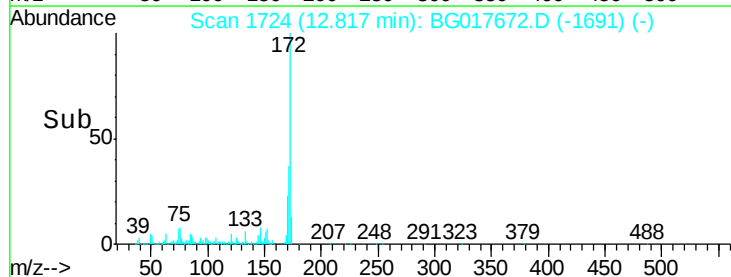
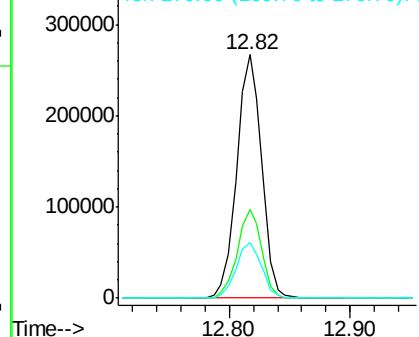


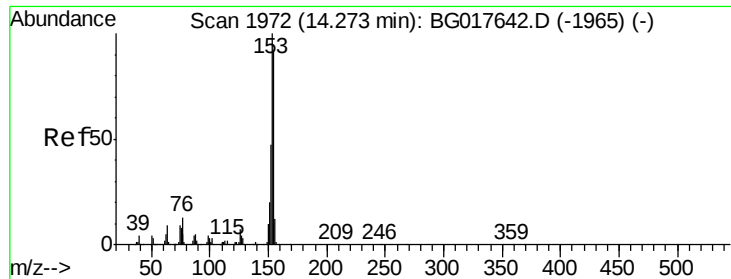
Abundance

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: 49.29 ng

RT: 14.27 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampleId :

MW-16

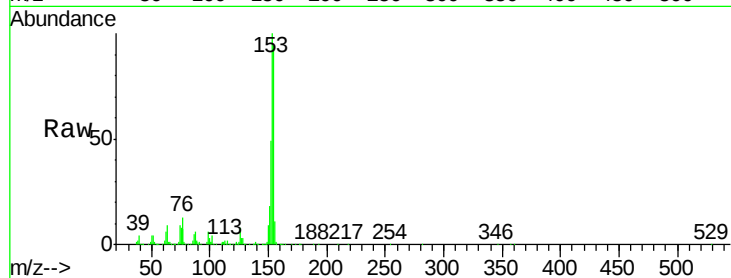
Tgt Ion:154 Resp: 180015

Ion Ratio Lower Upper

154 100

153 106.0 87.2 130.8

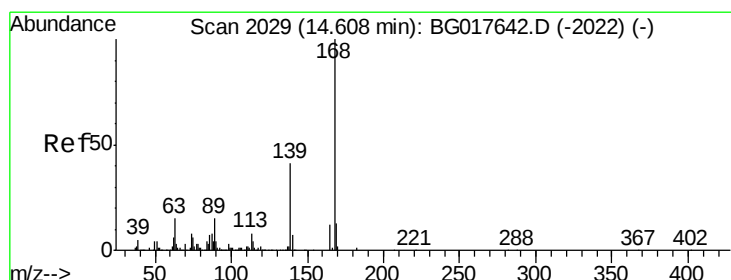
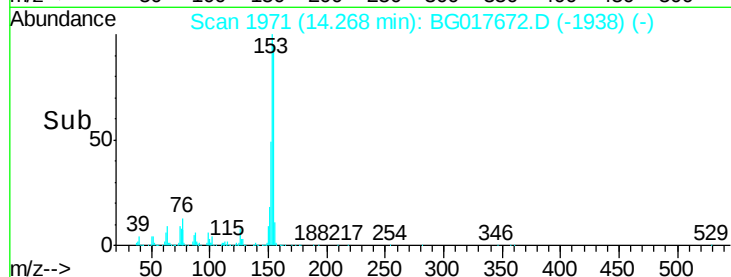
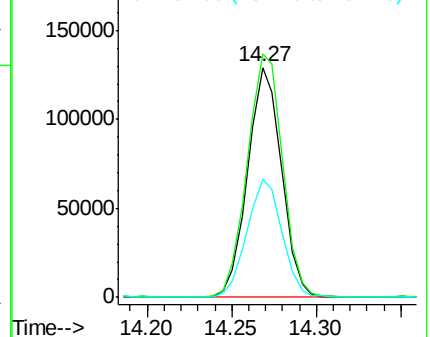
152 51.6 41.0 61.4



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: 2.10 ng

RT: 14.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

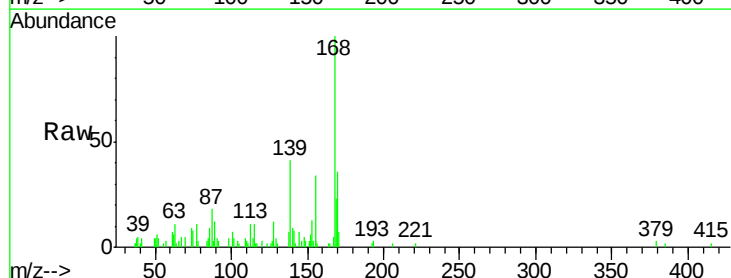
Tgt Ion:168 Resp: 12657

Ion Ratio Lower Upper

168 100

139 40.8 32.8 49.2

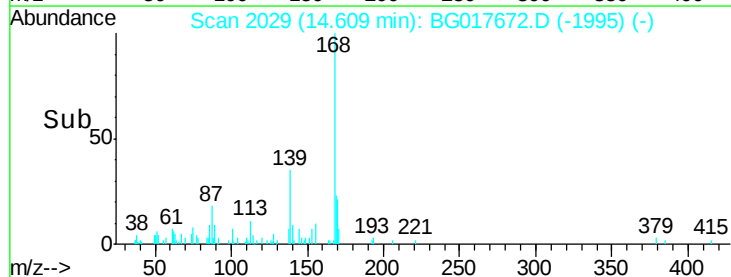
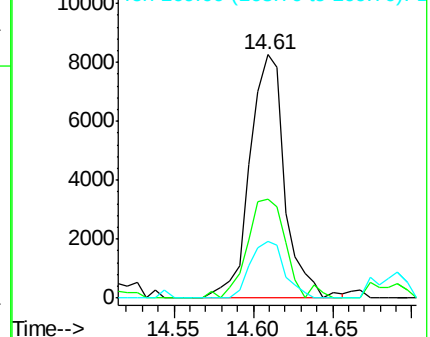
169 23.5 10.3 15.5#

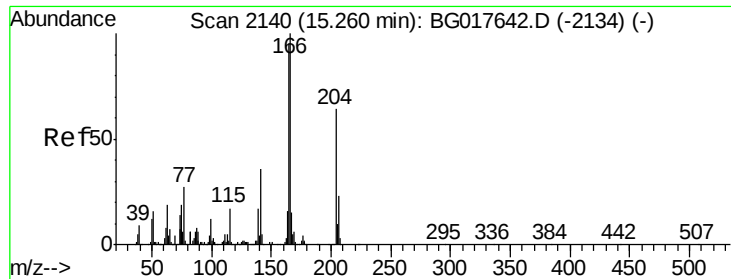


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 13.62 ng

RT: 15.26 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampleId :

MW-16

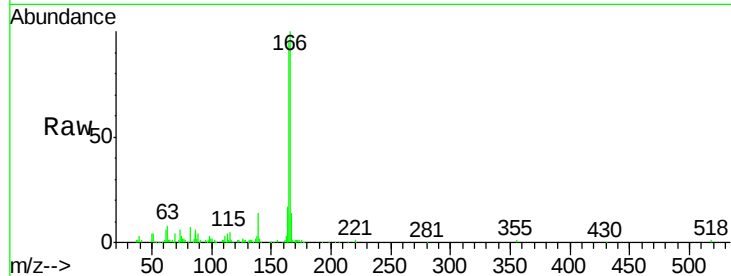
Tgt Ion:166 Resp: 70465

Ion Ratio Lower Upper

166 100

165 94.8 76.2 114.4

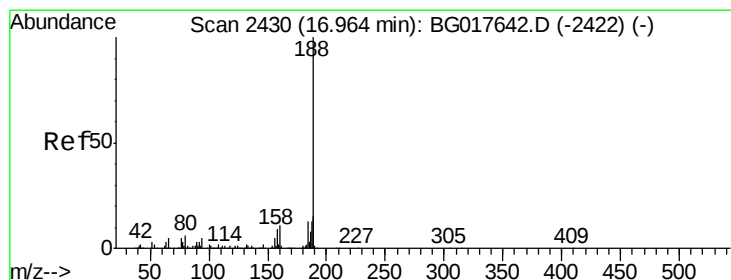
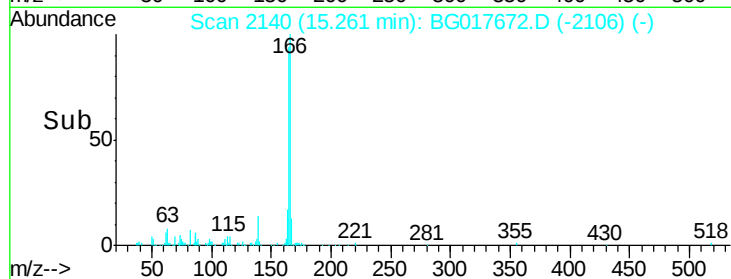
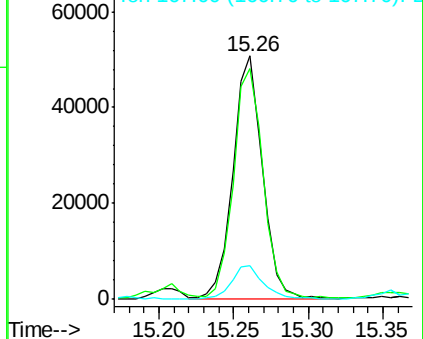
167 13.6 12.2 18.2



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: BG017672.D

Acq: 13 Jun 2015 13:01

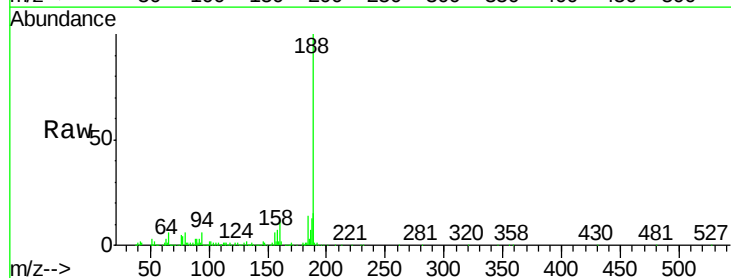
Tgt Ion:188 Resp: 169443

Ion Ratio Lower Upper

188 100

94 6.4 3.9 5.9#

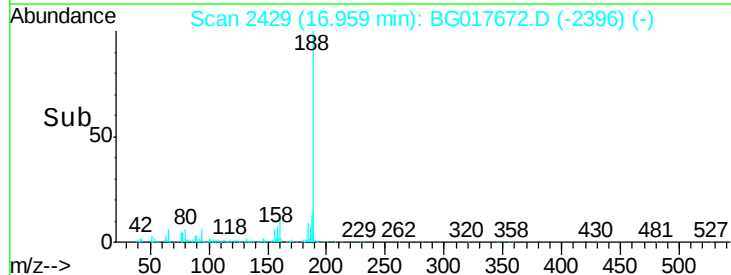
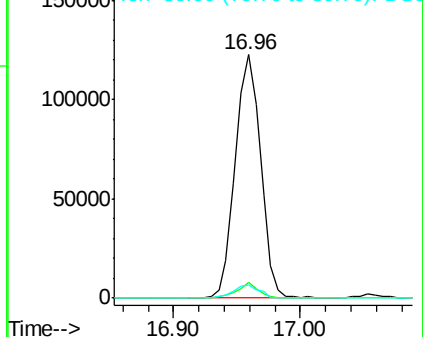
80 5.5 5.0 7.6

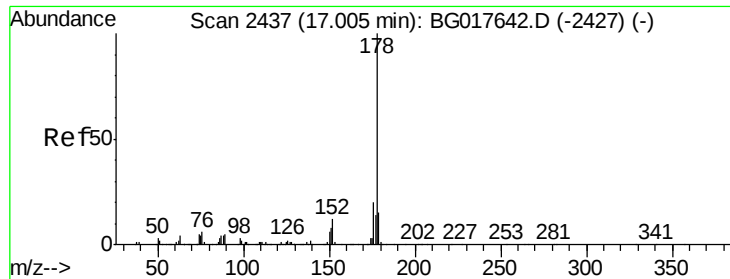


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 15.39 ng

RT: 17.00 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampled :

MW-16

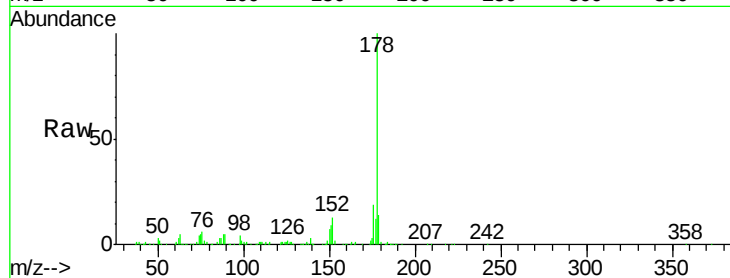
Tgt Ion:178 Resp: 145557

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

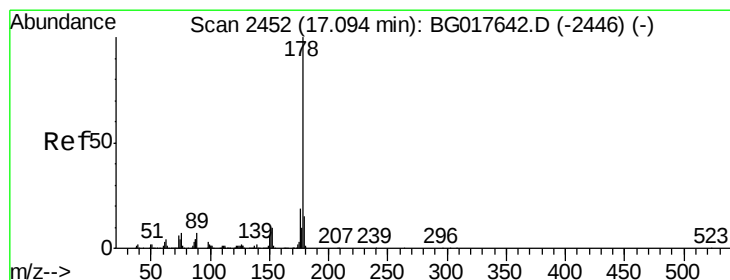
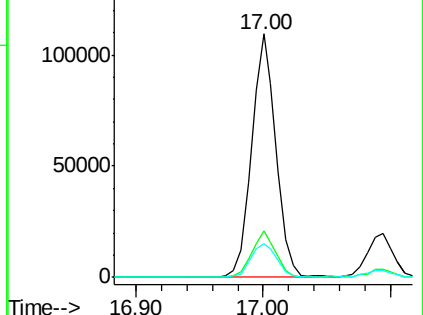
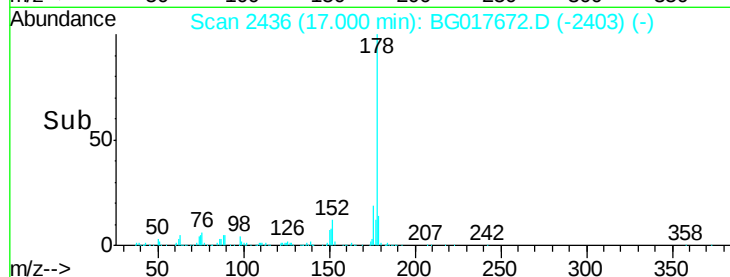
179 13.9 12.3 18.5



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



#71

Anthracene

Concen: 2.84 ng

RT: 17.09 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

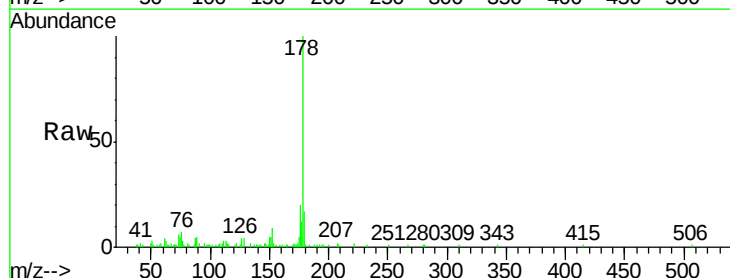
Tgt Ion:178 Resp: 26634

Ion Ratio Lower Upper

178 100

176 20.1 14.8 22.2

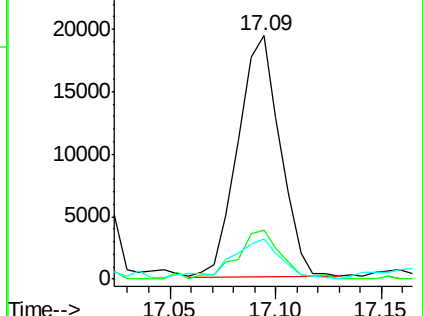
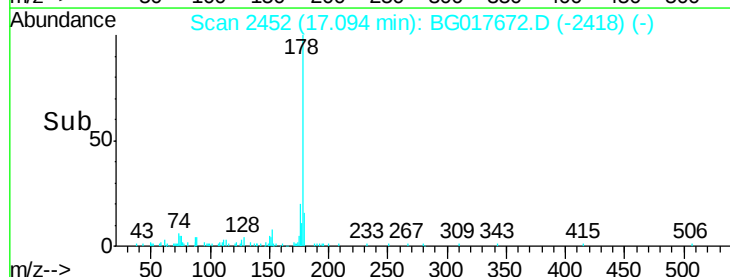
179 16.6 11.9 17.9

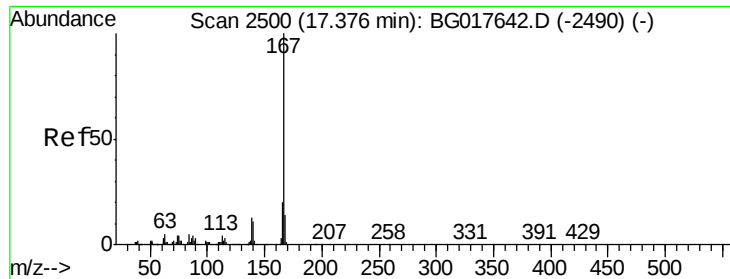


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.48 ng

RT: 17.38 min Scan# 2500

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampleId :

MW-16

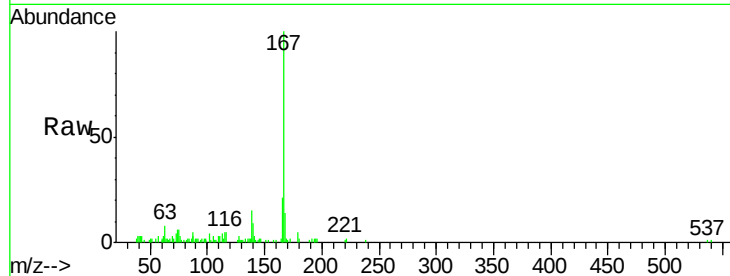
Tgt Ion:167 Resp: 21371

Ion Ratio Lower Upper

167 100

166 20.5 16.3 24.5

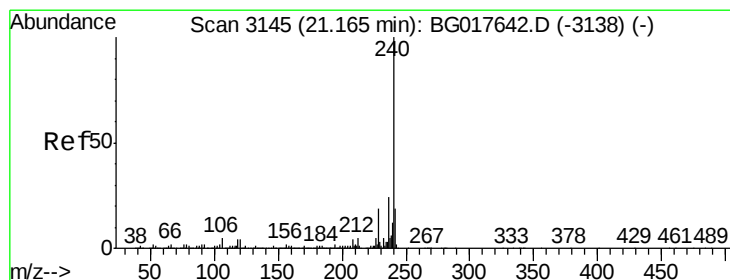
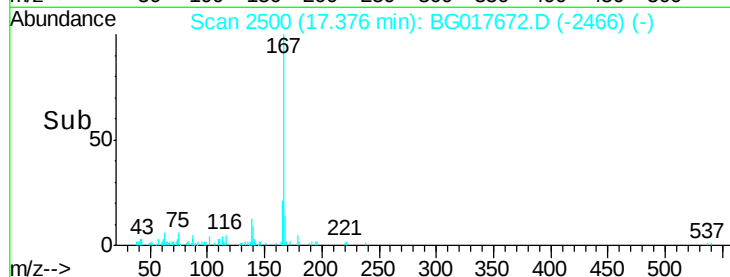
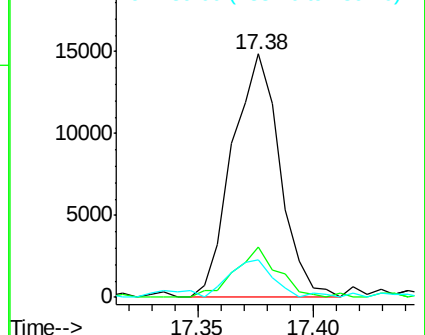
139 15.3 10.6 15.8



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: 21.16 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

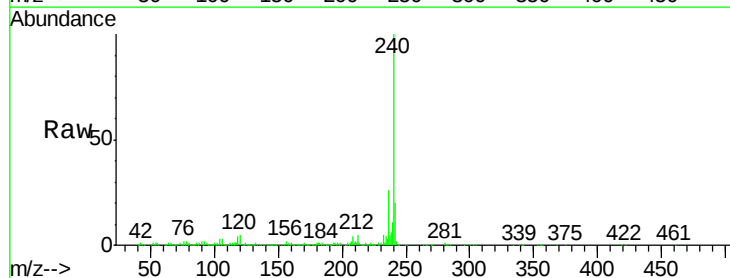
Tgt Ion:240 Resp: 246280

Ion Ratio Lower Upper

240 100

120 5.0 3.5 5.3

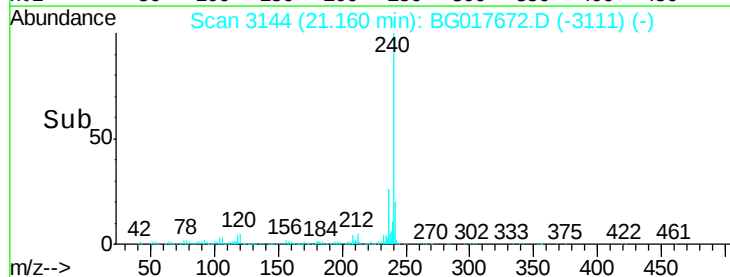
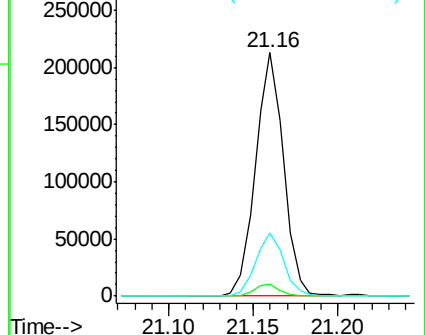
236 25.7 19.5 29.3

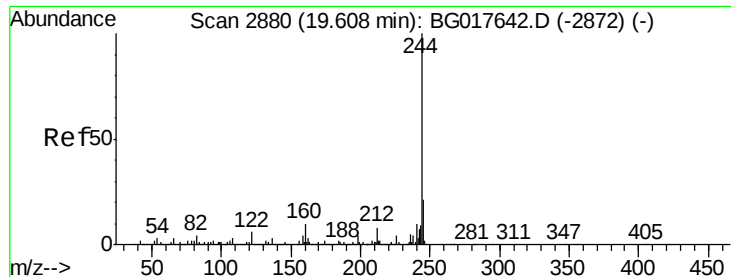


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.75 ng

RT: 19.61 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

Instrument :

BNA_G

ClientSampleId :

MW-16

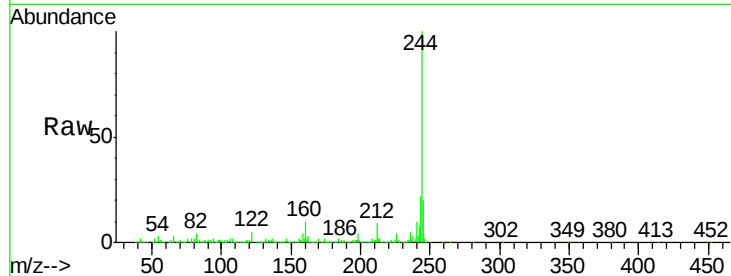
Tgt Ion:244 Resp: 953336

Ion Ratio Lower Upper

244 100

212 8.7 6.3 9.5

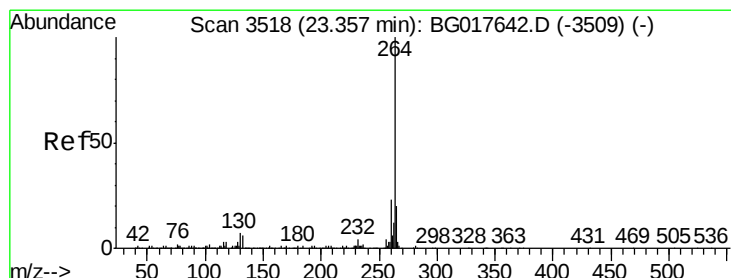
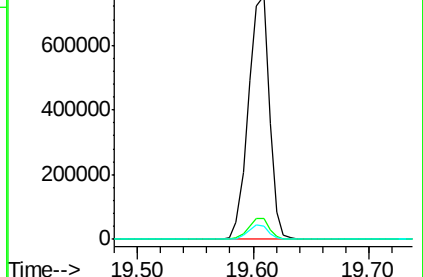
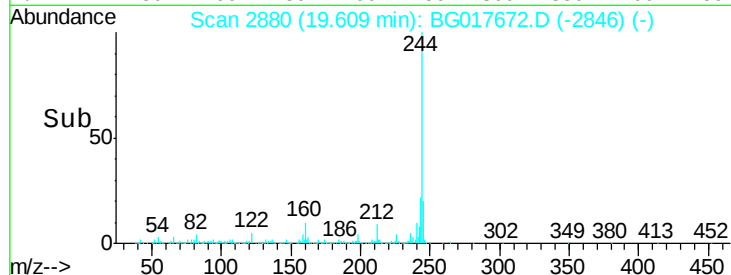
122 5.3 4.6 6.8



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# 3518

Delta R.T. 0.00 min

Lab File: BG017672.D

Acq: 13 Jun 2015 13:01

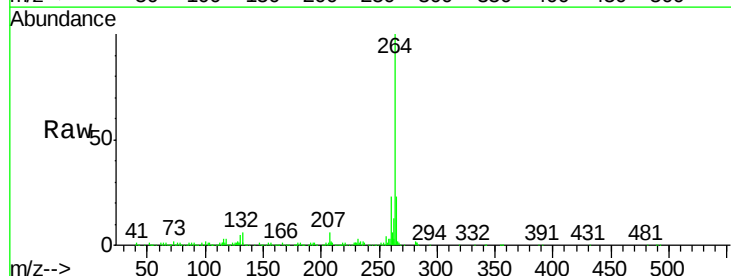
Tgt Ion:264 Resp: 238198

Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 23.3 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

