

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG017022.D
 Acq On : 10 May 2015 12:34
 Operator : TP/IZ
 Sample : G2104-12
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-106

Quant Time: May 11 06:38:02 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 16:13:58 2015
 Response via : Initial Calibration

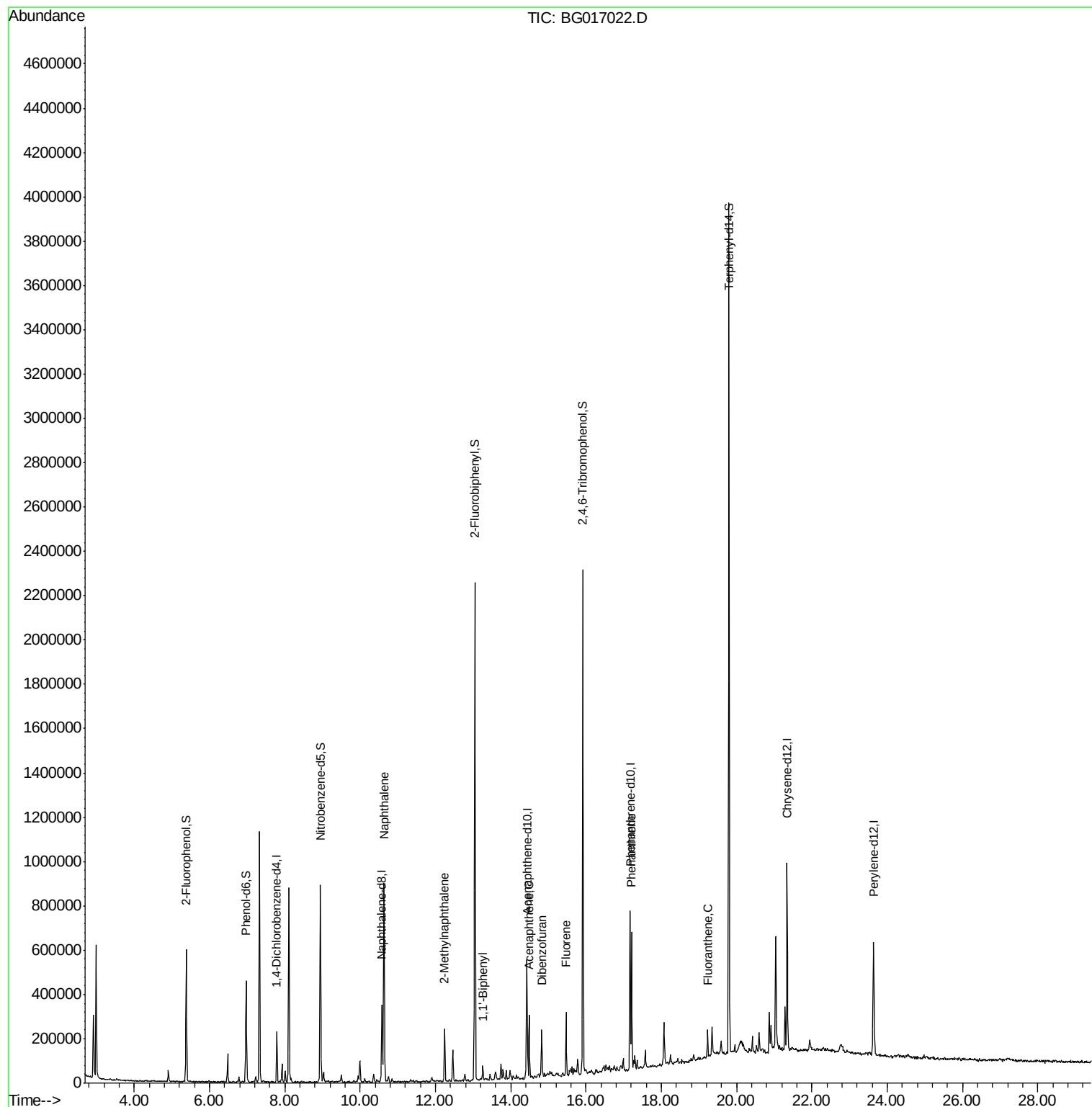
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	51813	20.00	ng	-0.02
21) Naphthalene-d8	10.58	136	252566	20.00	ng	-0.02
38) Acenaphthene-d10	14.43	164	169968	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	388316	20.00	ng	-0.02
75) Chrysene-d12	21.34	240	371474	20.00	ng	-0.03
86) Perylene-d12	23.64	264	369001	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	206899	69.53	ng	0.00
7) Phenol-d6	6.97	99	217109	51.07	ng	0.00
23) Nitrobenzene-d5	8.95	82	481405	93.12	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	320630	187.91	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	1035669	91.95	ng	-0.02
78) Terphenyl-d14	19.80	244	1486591	93.81	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.63	128	497233	39.58	ng	99
37) 2-Methylnaphthalene	12.24	142	99913	10.44	ng	96
45) 1,1'-Biphenyl	13.26	154	28751	2.36	ng	98
51) Acenaphthene	14.49	154	94148	9.42	ng	98
54) Dibenzofuran	14.82	168	111547	7.86	ng	99
57) Fluorene	15.47	166	106229	8.46	ng	99
70) Phenanthrene	17.21	178	320149	16.02	ng	98
74) Fluoranthene	19.23	202	64629	2.79	ng	98

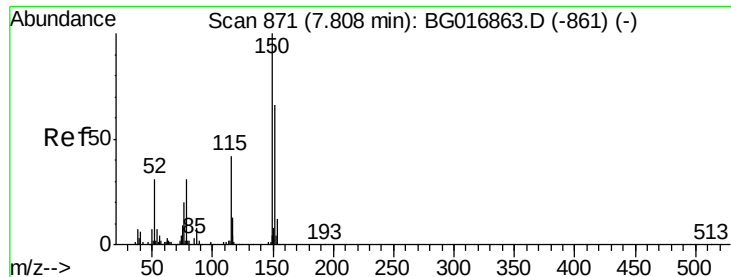
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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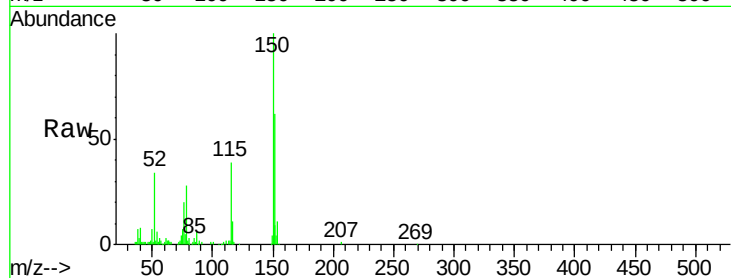


#1

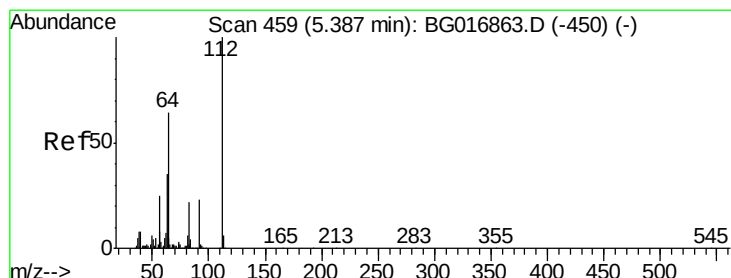
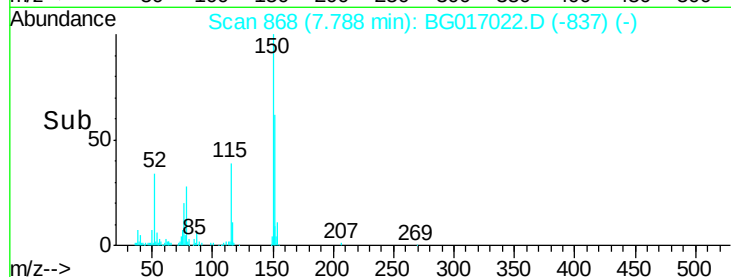
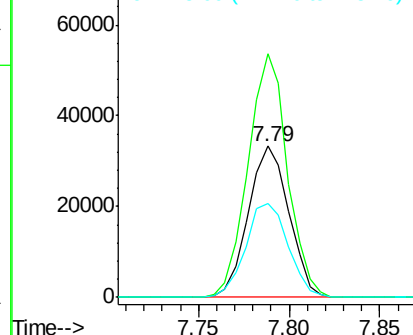
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.79 min Scan# 868
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Instrument :
BNA_G
ClientSampleId :
MW-106

Tgt Ion:152 Resp: 51813
Ion Ratio Lower Upper
152 100
150 160.8 121.0 181.4
115 62.1 50.5 75.7



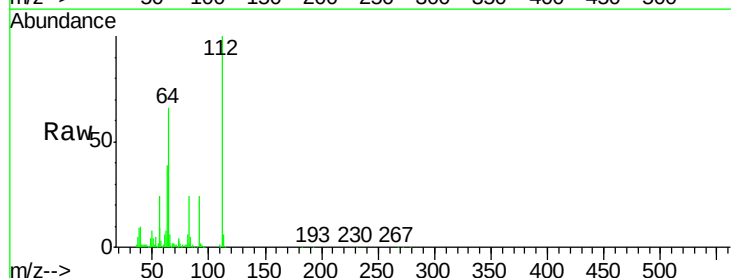
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



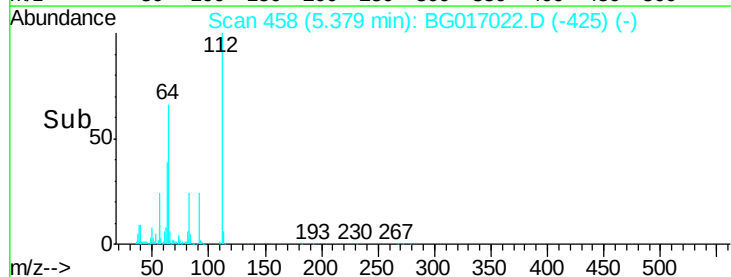
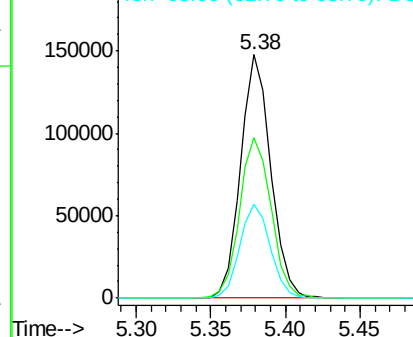
#5

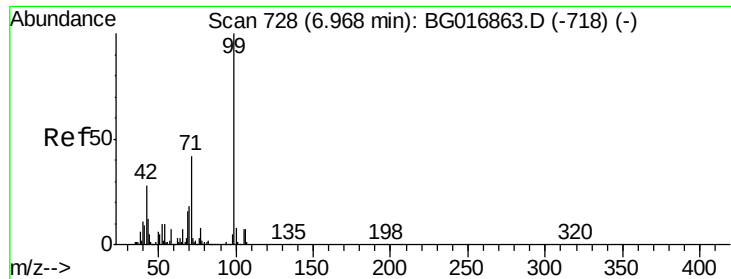
2-Fluorophenol
Concen: 69.53 ng
RT: 5.38 min Scan# 458
Delta R.T. -0.01 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion:112 Resp: 206899
Ion Ratio Lower Upper
112 100
64 66.0 51.4 77.2
63 38.8 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 51.07 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

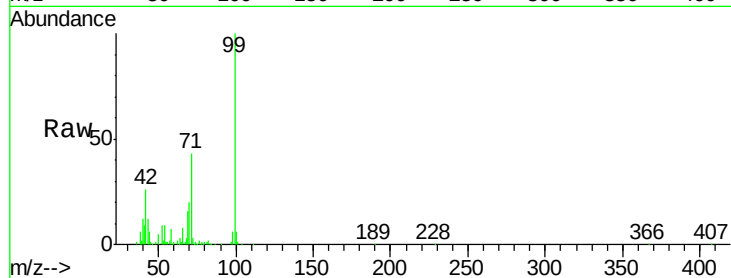
Tgt Ion: 99 Resp: 217109

Ion Ratio Lower Upper

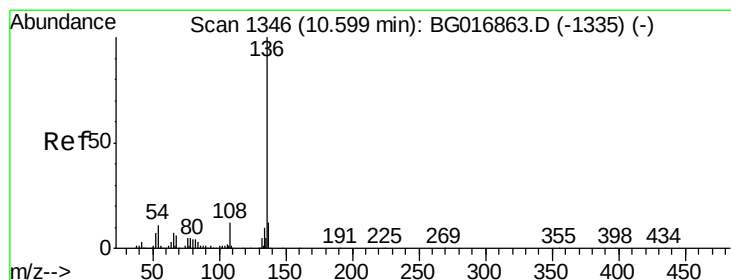
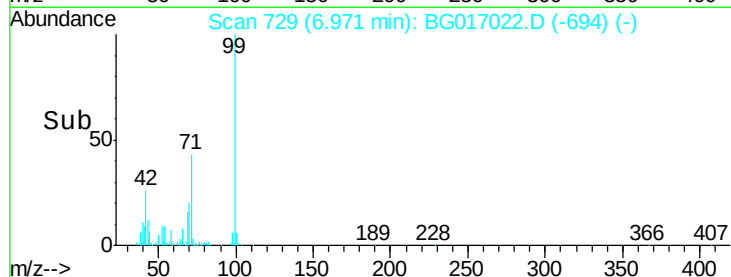
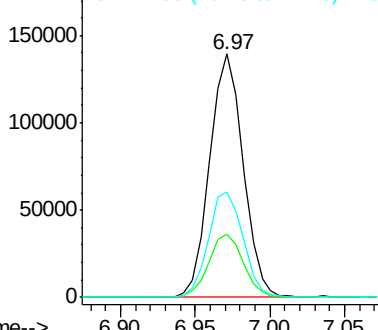
99 100

42 26.2 22.1 33.1

71 43.5 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: 10.58 min Scan# 1343

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Tgt Ion: 136 Resp: 252566

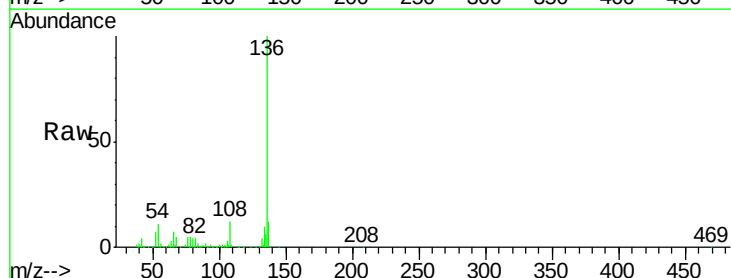
Ion Ratio Lower Upper

136 100

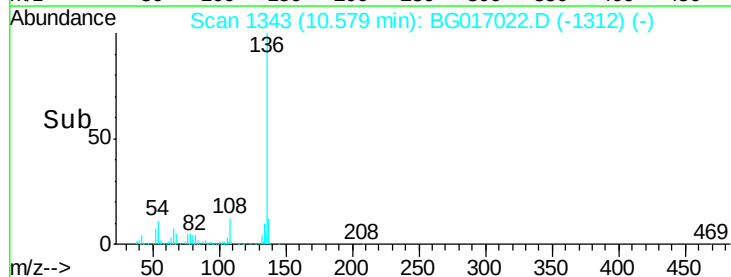
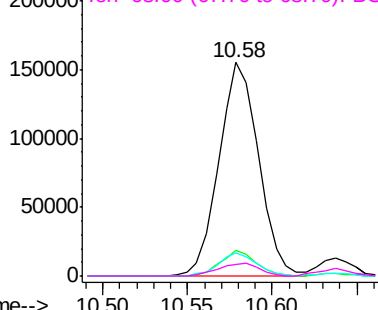
137 11.8 9.8 14.8

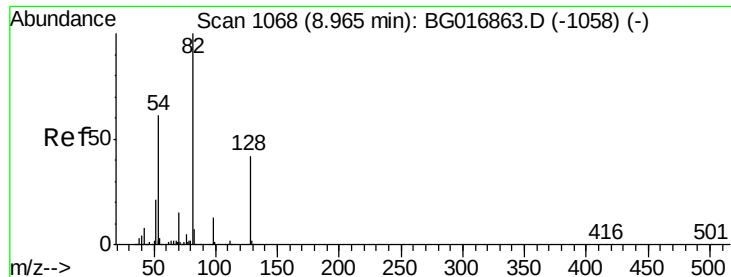
54 10.8 8.7 13.1

68 5.3 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

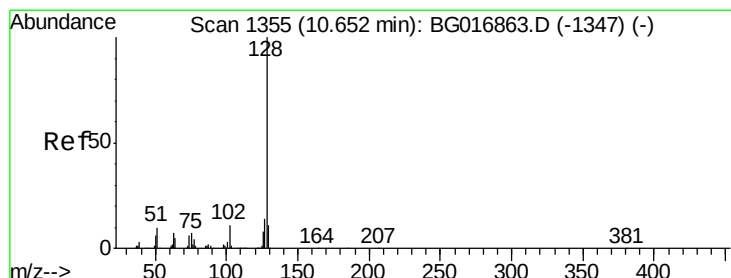
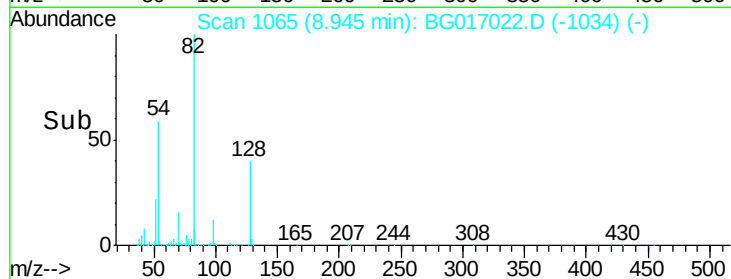
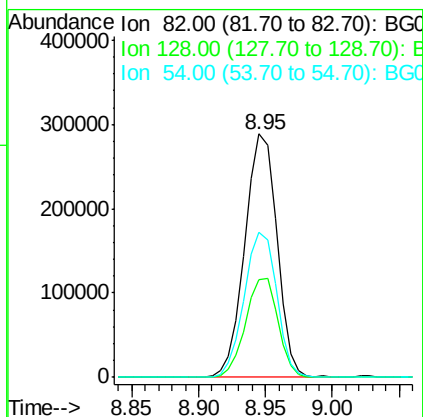
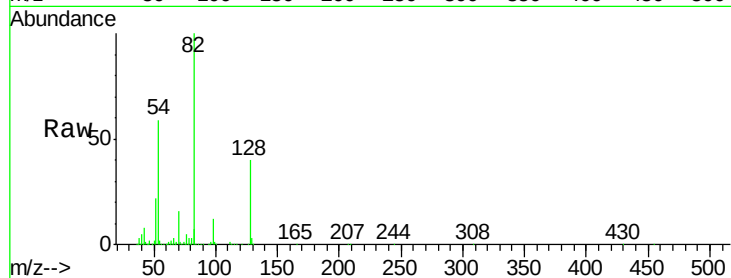




#23
Nitrobenzene-d5
Concen: 93.12 ng
RT: 8.95 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

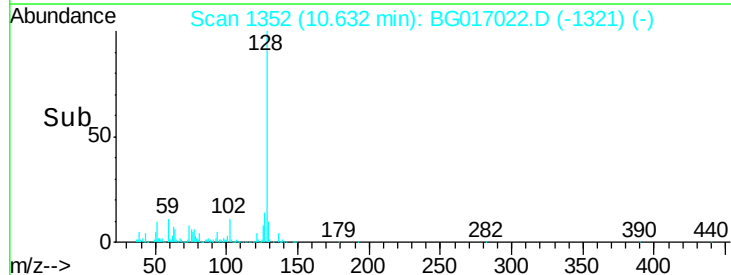
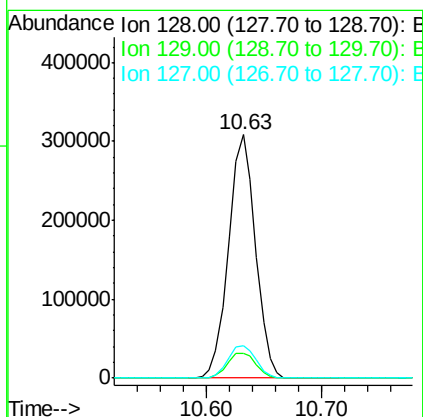
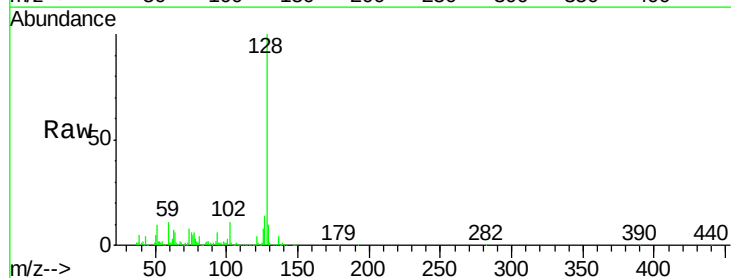
Instrument :
BNA_G
ClientSampleId :
MW-106

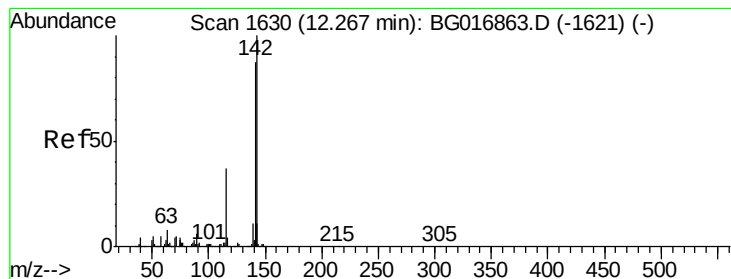
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.2	33.2	49.8
54	59.4	48.6	72.8



#31
Naphthalene
Concen: 39.58 ng
RT: 10.63 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.1	13.7
127	13.5	10.9	16.3





#37

2-Methylnaphthalene

Concen: 10.44 ng

RT: 12.24 min Scan# 1626

Delta R.T. -0.03 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

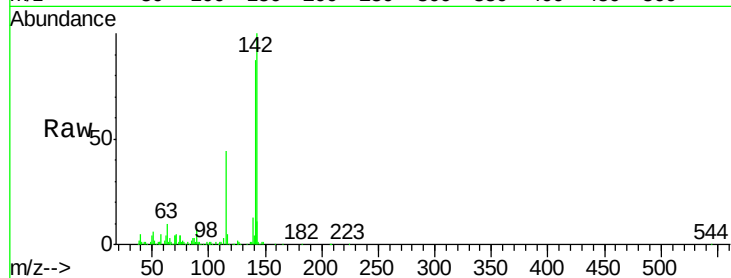
Tgt Ion:142 Resp: 99913

Ion Ratio Lower Upper

142 100

141 86.5 69.9 104.9

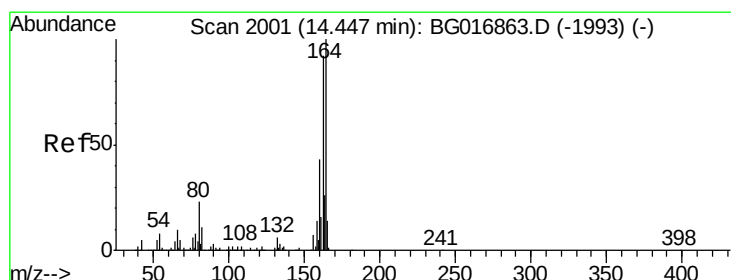
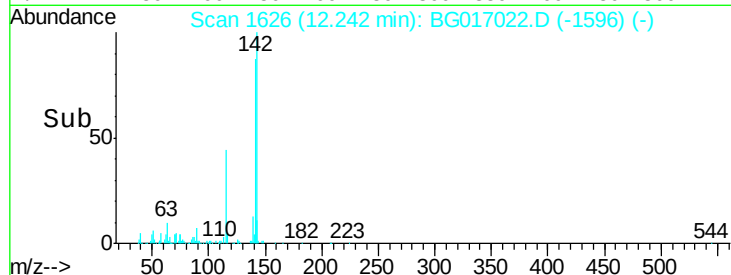
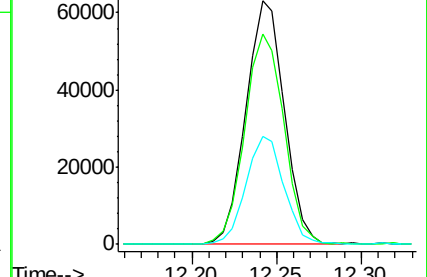
115 44.4 29.8 44.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

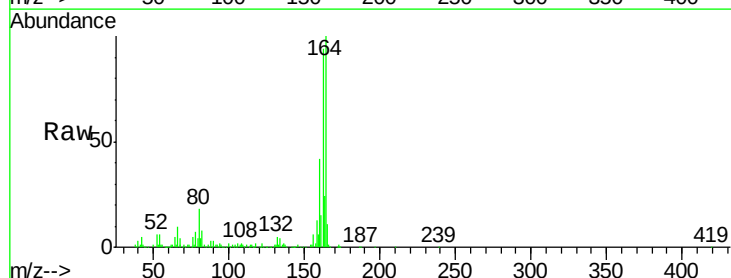
Tgt Ion:164 Resp: 169968

Ion Ratio Lower Upper

164 100

162 93.9 74.0 111.0

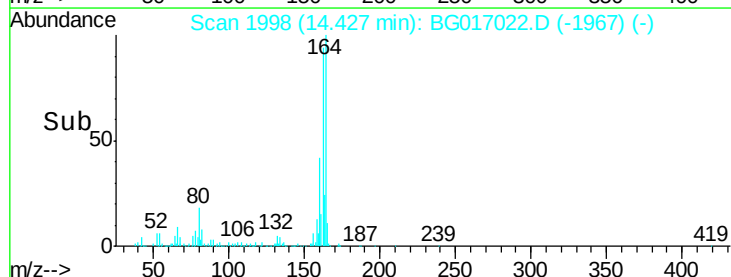
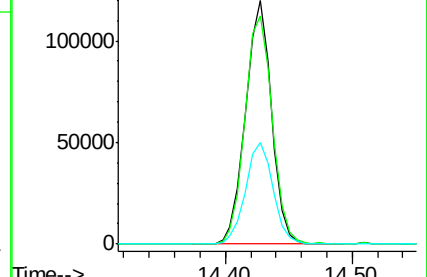
160 41.8 34.7 52.1

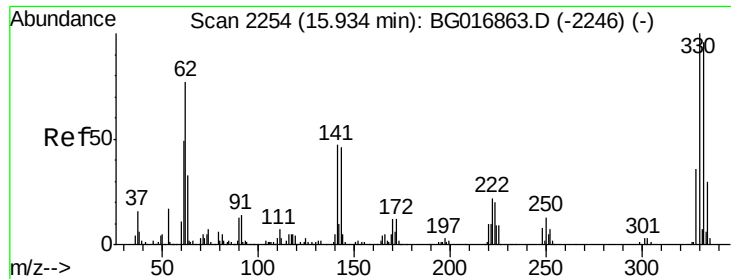


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

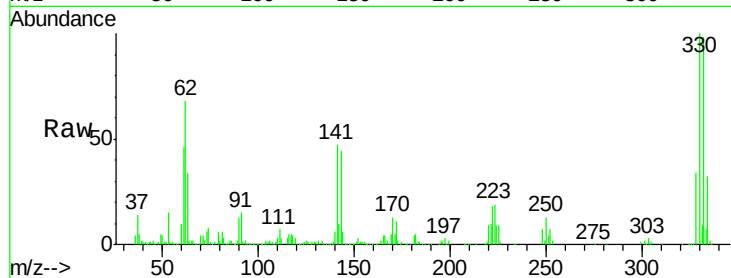




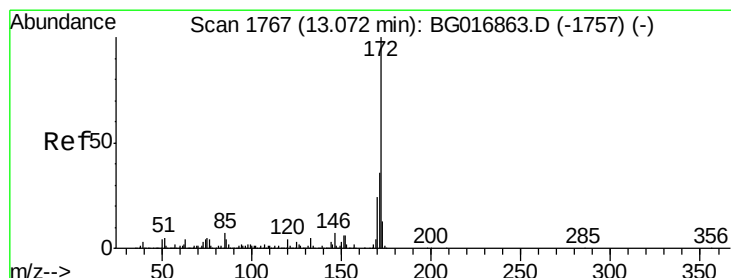
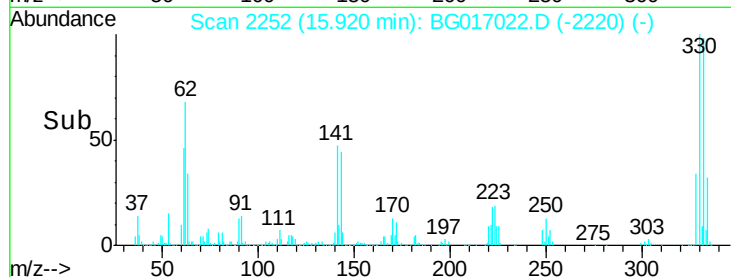
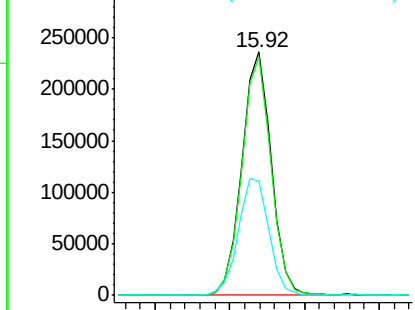
#41
 2,4,6-Tribromophenol
 Concen: 187.91 ng
 RT: 15.92 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Instrument :
 BNA_G
 ClientSampleId :
 MW-106

Tgt Ion:330 Resp: 320630
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 50.2 0.0 0.0#

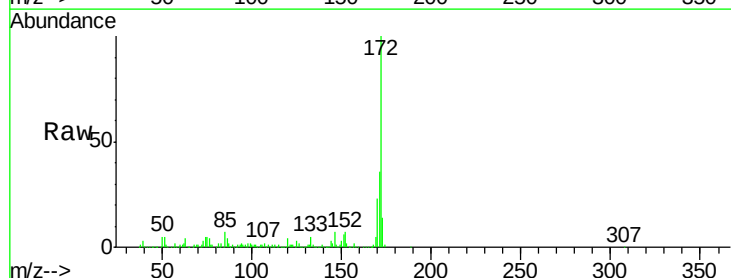


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

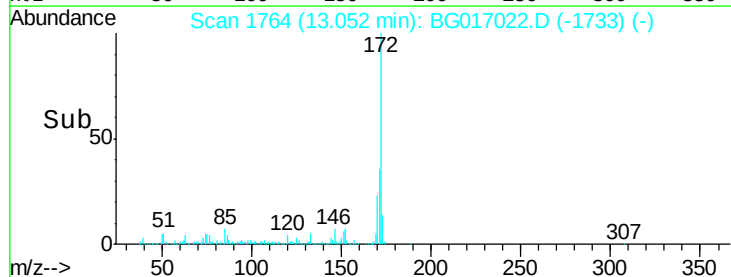
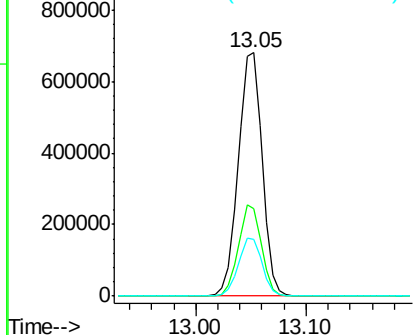


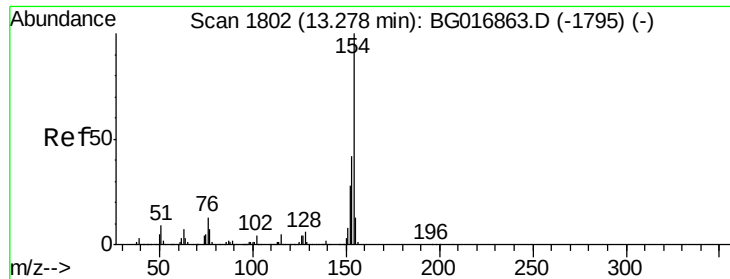
#44
 2-Fluorobiphenyl
 Concen: 91.95 ng
 RT: 13.05 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Tgt Ion:172 Resp: 1035669
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.4
 170 23.3 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

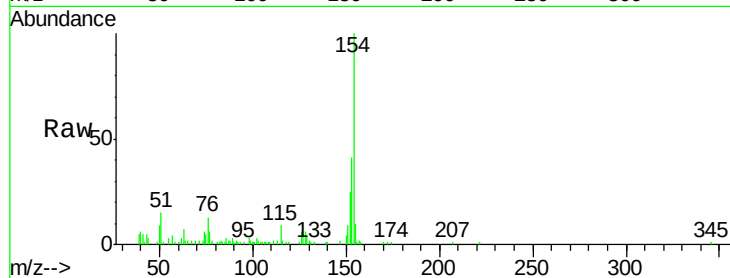




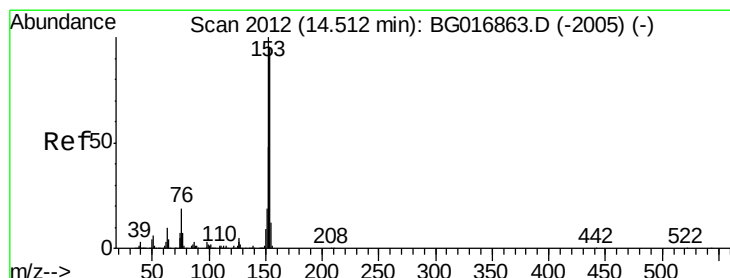
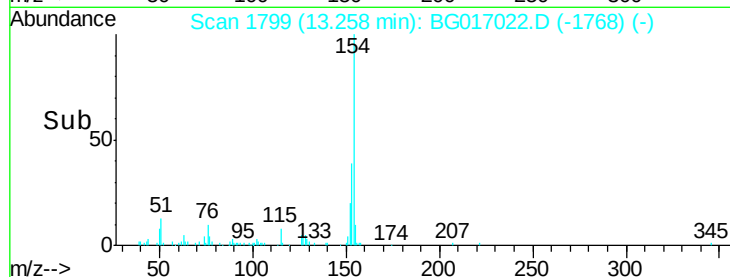
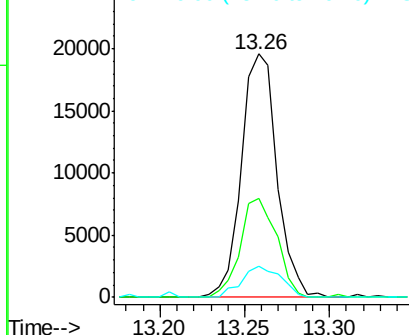
#45
 1,1'-Biphenyl
 Concen: 2.36 ng
 RT: 13.26 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Instrument :
 BNA_G
 ClientSampled :
 MW-106

Tgt Ion:154 Resp: 28751
 Ion Ratio Lower Upper
 154 100
 153 40.6 22.0 62.0
 76 13.0 0.0 33.3

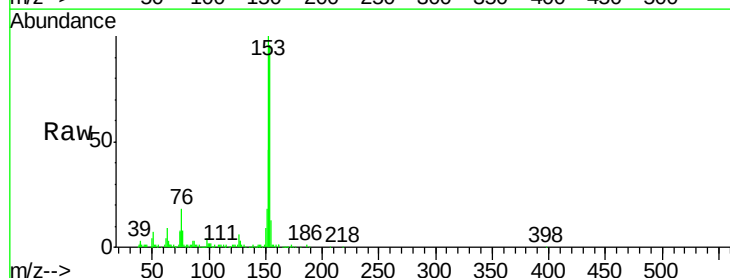


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

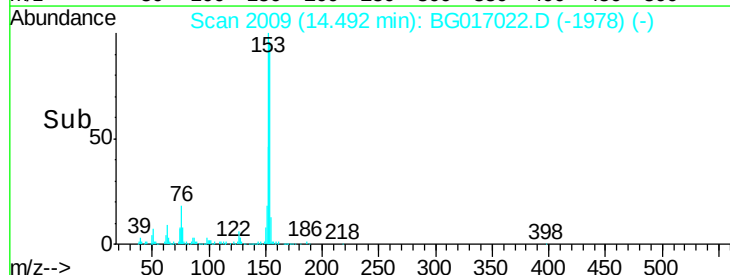
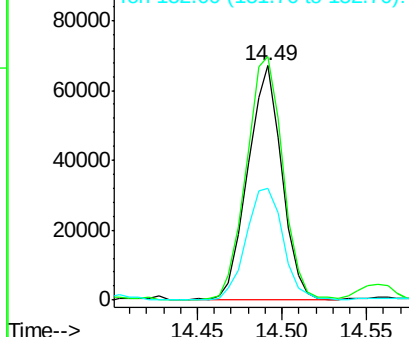


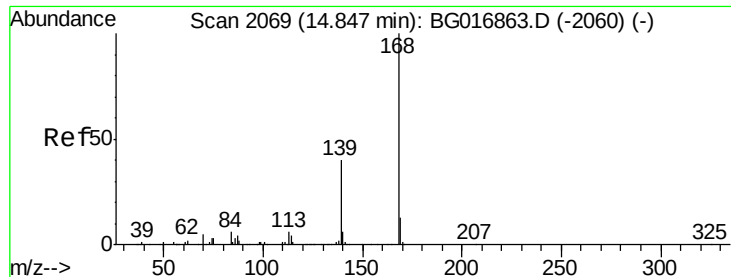
#51
 Acenaphthene
 Concen: 9.42 ng
 RT: 14.49 min Scan# 2009
 Delta R.T. -0.02 min
 Lab File: BG017022.D
 Acq: 10 May 2015 12:34

Tgt Ion:154 Resp: 94148
 Ion Ratio Lower Upper
 154 100
 153 103.8 84.2 126.4
 152 47.9 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

Dibenzenofuran

Concen: 7.86 ng

RT: 14.82 min Scan# 2065

Delta R.T. -0.03 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

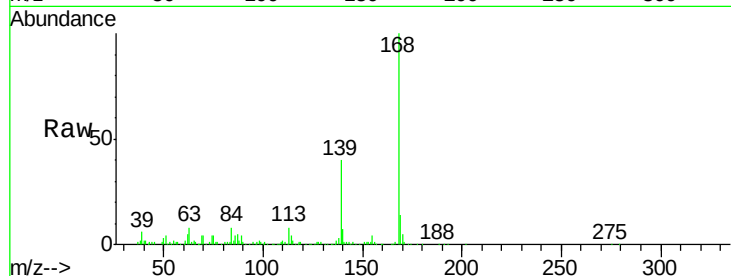
Tgt Ion:168 Resp: 111547

Ion Ratio Lower Upper

168 100

139 40.5 32.5 48.7

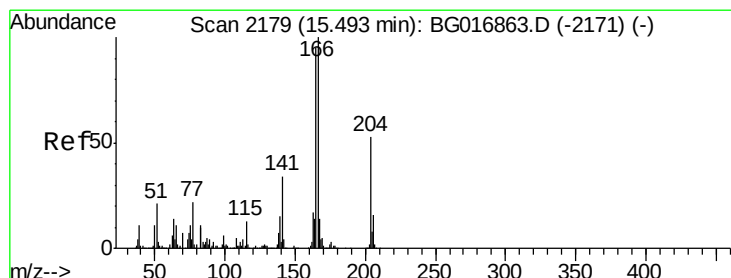
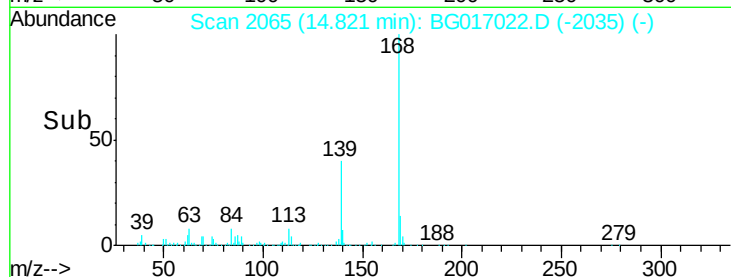
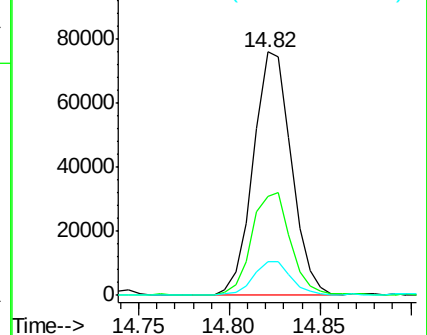
169 13.9 10.4 15.6



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: 8.46 ng

RT: 15.47 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

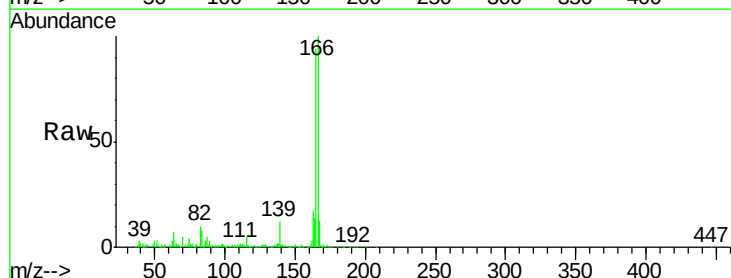
Tgt Ion:166 Resp: 106229

Ion Ratio Lower Upper

166 100

165 94.4 76.1 114.1

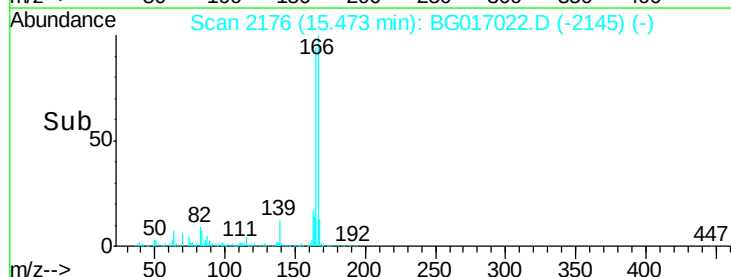
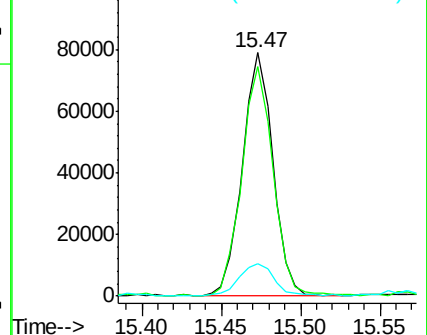
167 13.1 11.4 17.2

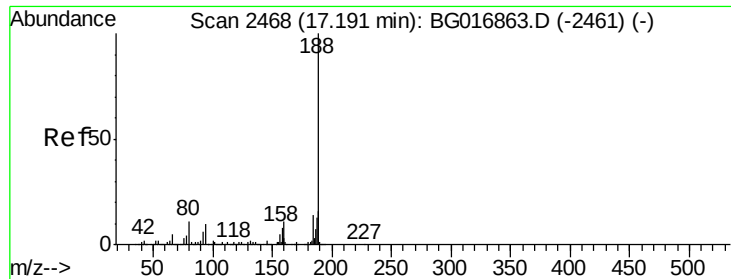


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

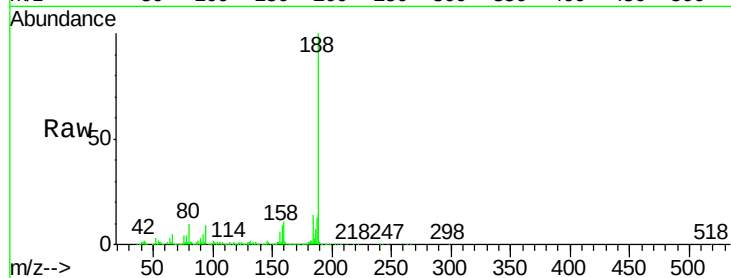




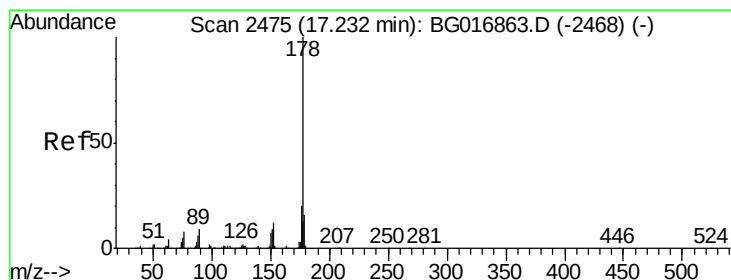
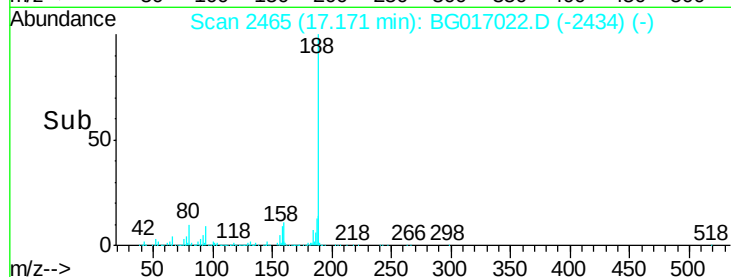
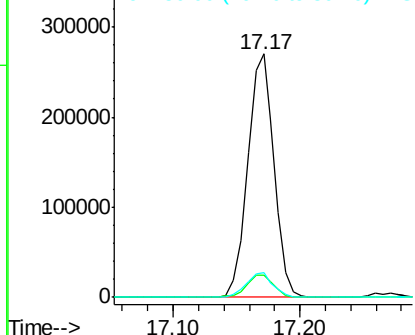
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.17 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Instrument :
BNA_G
ClientSampleId :
MW-106

Tgt Ion:188 Resp: 388316
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.4
80 10.2 8.8 13.2

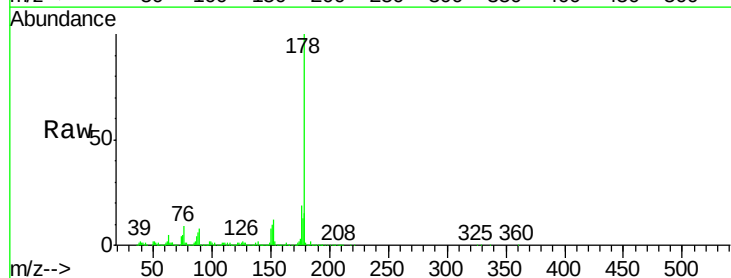


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

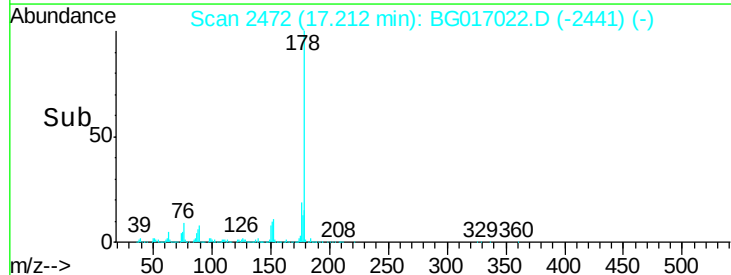
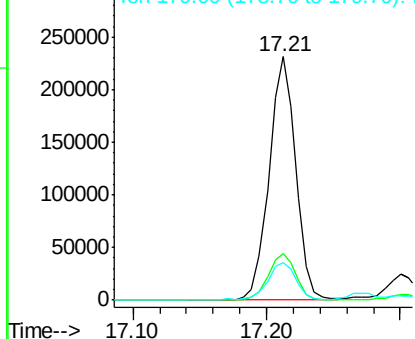


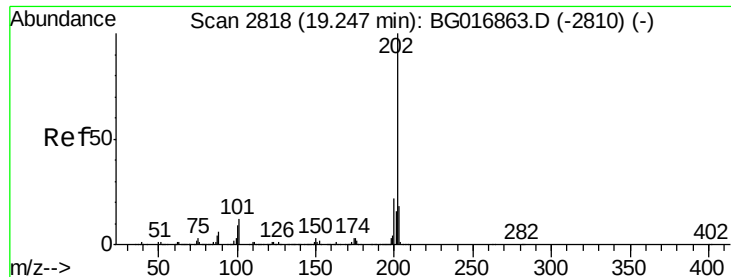
#70
Phenanthrene
Concen: 16.02 ng
RT: 17.21 min Scan# 2472
Delta R.T. -0.02 min
Lab File: BG017022.D
Acq: 10 May 2015 12:34

Tgt Ion:178 Resp: 320149
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.2 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





#74

Fluoranthene

Concen: 2.79 ng

RT: 19.23 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

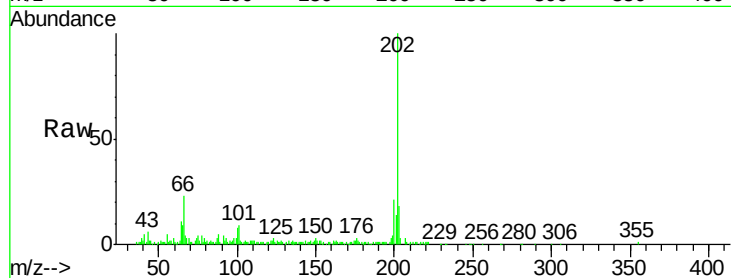
Tgt Ion:202 Resp: 64629

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.5

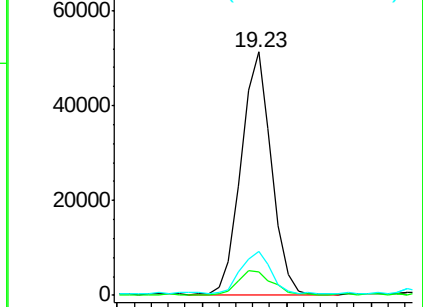
203 17.9 0.0 38.1



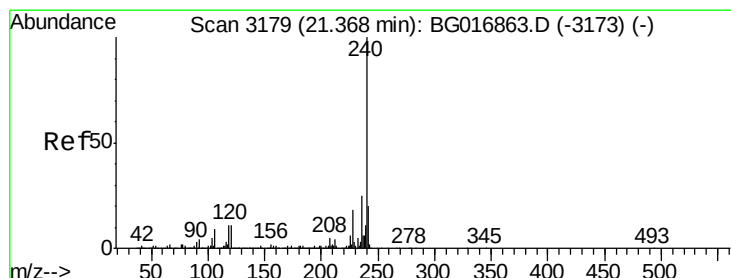
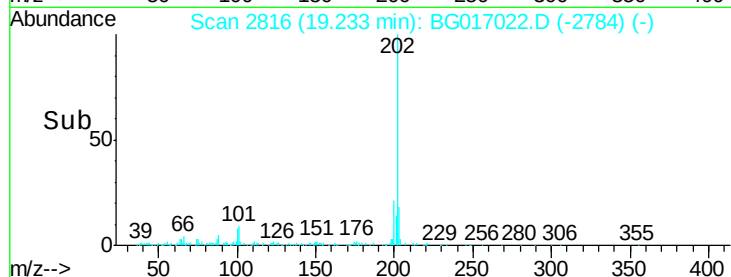
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.15 19.20 19.25 19.30



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

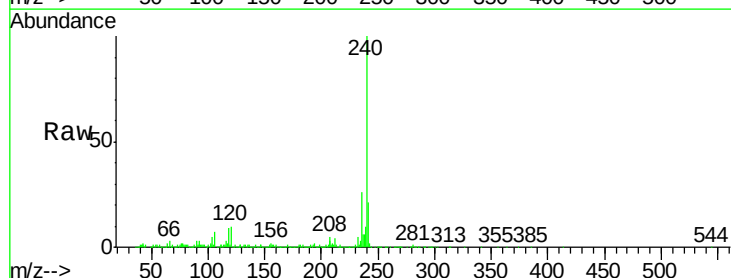
Tgt Ion:240 Resp: 371474

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

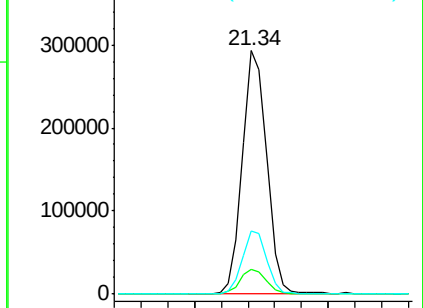
236 26.0 20.2 30.4



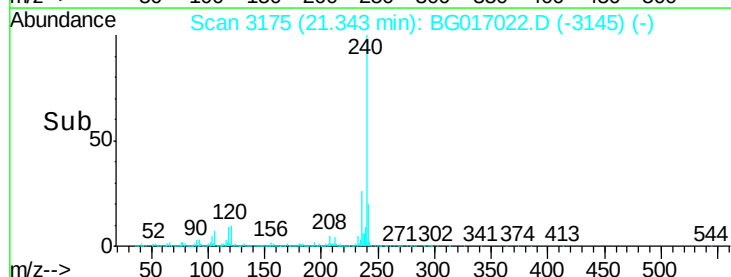
Abundance Ion 240.00 (239.70 to 240.70): E

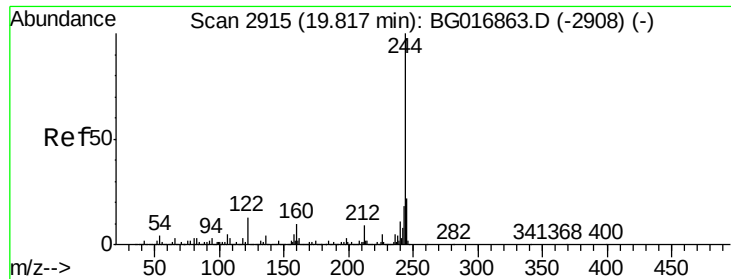
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.30 21.40





#78

Terphenyl-d14

Concen: 93.81 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

Instrument :

BNA_G

ClientSampleId :

MW-106

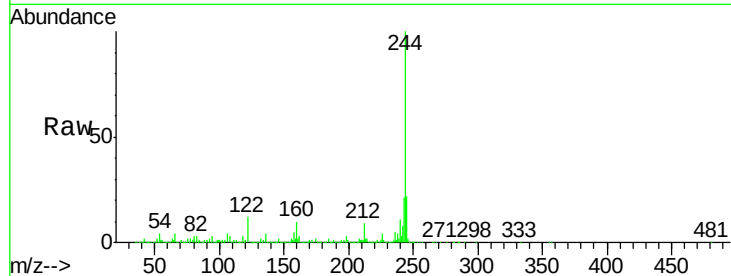
Tgt Ion:244 Resp: 1486591

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

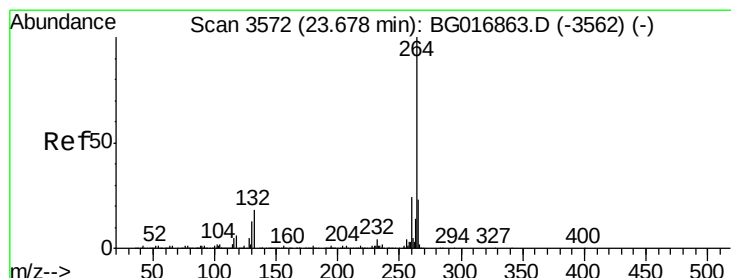
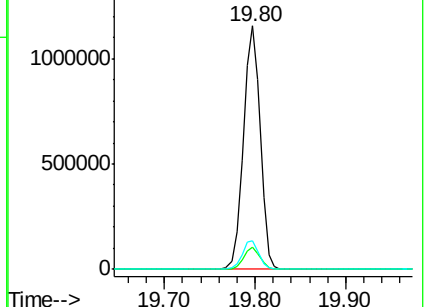
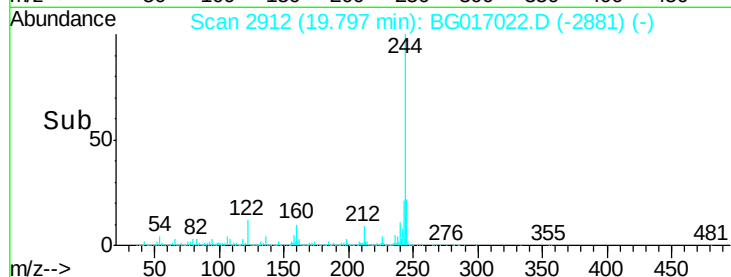
122 11.9 10.4 15.6



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# 3566

Delta R.T. -0.04 min

Lab File: BG017022.D

Acq: 10 May 2015 12:34

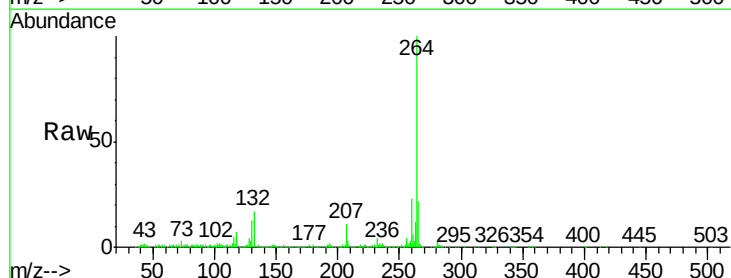
Tgt Ion:264 Resp: 369001

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 22.0 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

