

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091915\
 Data File : BG018771.D
 Acq On : 18 Sep 2015 16:33
 Operator : TP
 Sample : G3706-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-9

Quant Time: Sep 19 03:51:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG091115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 18 23:51:57 2015
 Response via : Initial Calibration

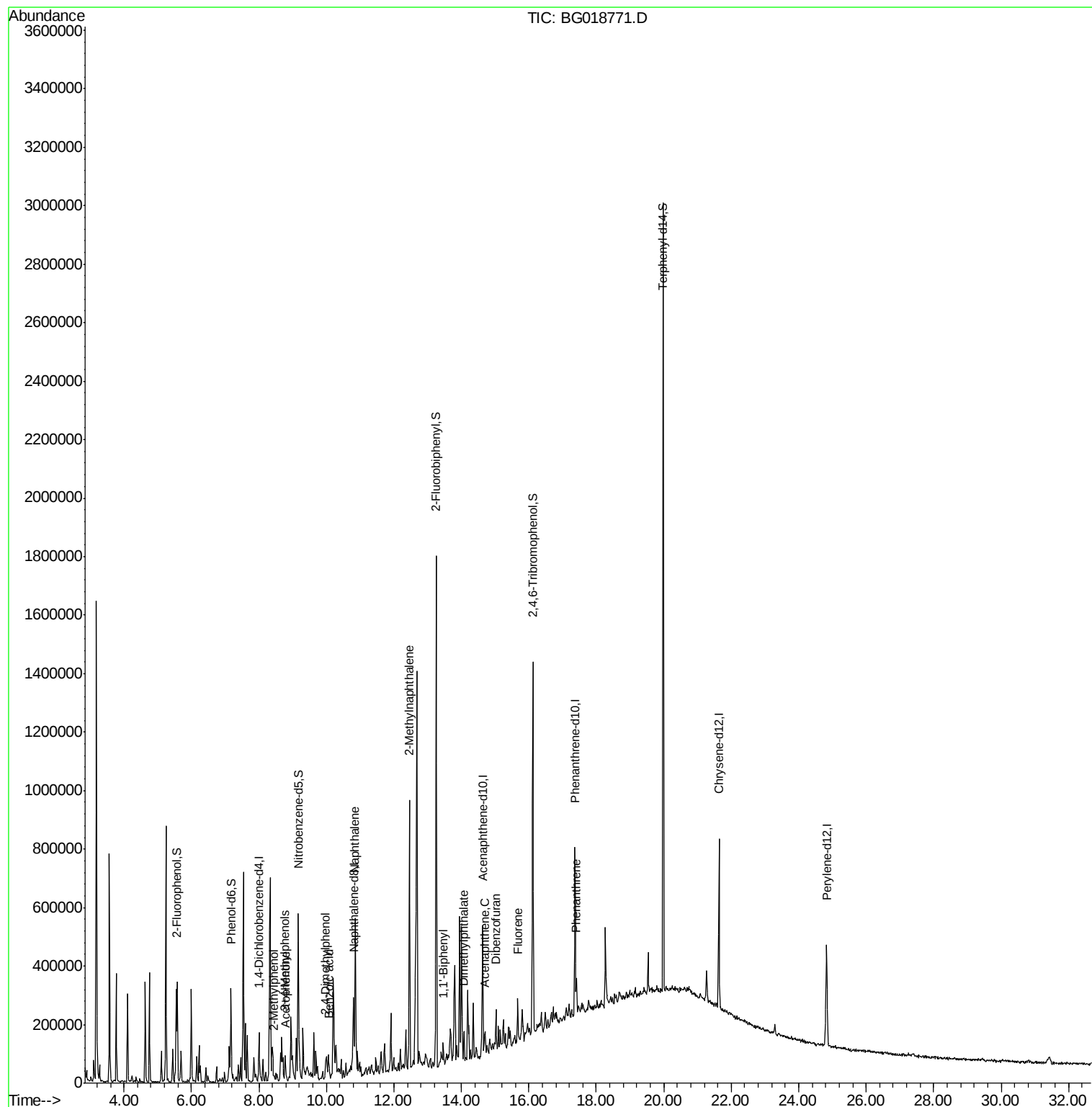
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	50455	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	225618	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	154331	20.00	ng	0.00
63) Phenanthrene-d10	17.37	188	359481	20.00	ng	0.00
75) Chrysene-d12	21.63	240	360450	20.00	ng	0.00
86) Perylene-d12	24.83	264	364246	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	168416	57.66	ng	0.00
7) Phenol-d6	7.17	99	216679	51.74	ng	0.00
23) Nitrobenzene-d5	9.16	82	358327	88.87	ng	0.00
41) 2,4,6-Tribromophenol	16.12	330	258751	124.52	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	967168	86.99	ng	0.00
78) Terphenyl-d14	19.98	244	1209007	88.08	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	8.45	107	6309	2.05	ng	# 87
20) 3+4-Methylphenols	8.77	107	42112	9.76	ng	95
22) Acetophenone	8.80	105	16373	2.86	ng	# 66
27) 2,4-Dimethylphenol	9.97	122	30156m	8.31	ng	
31) Naphthalene	10.85	128	419548	34.73	ng	98
32) Benzoic acid	10.08	122	12710	11.46	ng	96
37) 2-Methylnaphthalene	12.46	142	448135	50.67	ng	99
45) 1,1'-Biphenyl	13.46	154	30869	2.52	ng	97
49) Dimethylphthalate	14.07	163	72955	5.71	ng	# 98
51) Acenaphthene	14.69	154	26189	2.69	ng	93
54) Dibenzofuran	15.03	168	47463	3.14	ng	# 90
57) Fluorene	15.67	166	54256	4.17	ng	98
70) Phenanthrene	17.42	178	68973	3.65	ng	99

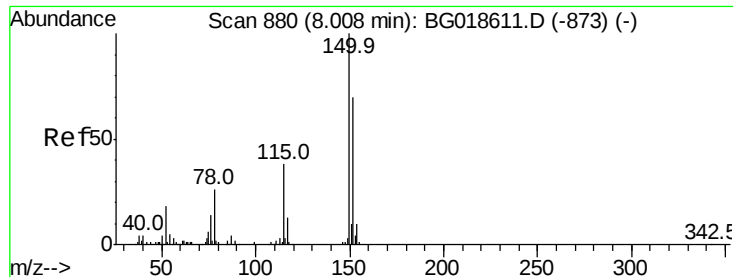
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. -0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

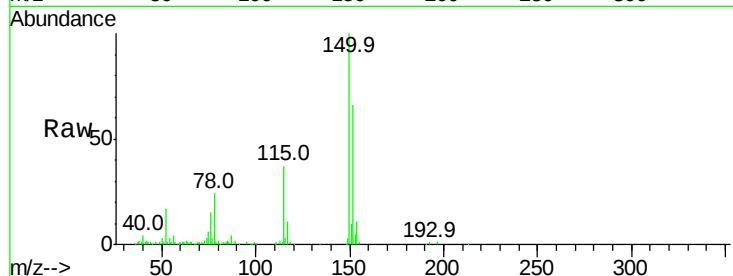
Tgt Ion:152 Resp: 50455

Ion Ratio Lower Upper

152 100

150 151.2 115.0 172.4

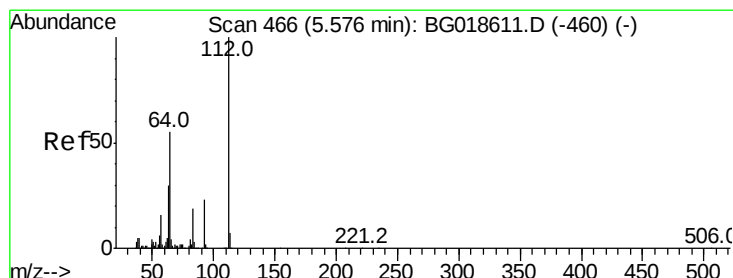
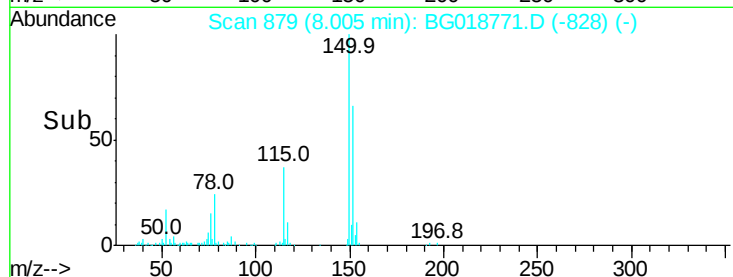
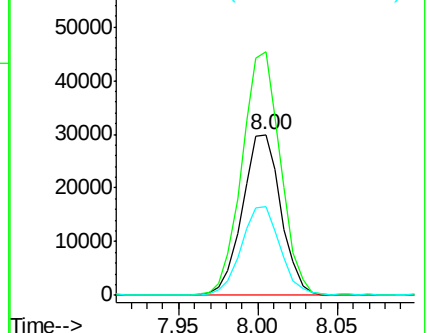
115 55.3 43.9 65.9



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: 57.66 ng

RT: 5.58 min Scan# 466

Delta R.T. 0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

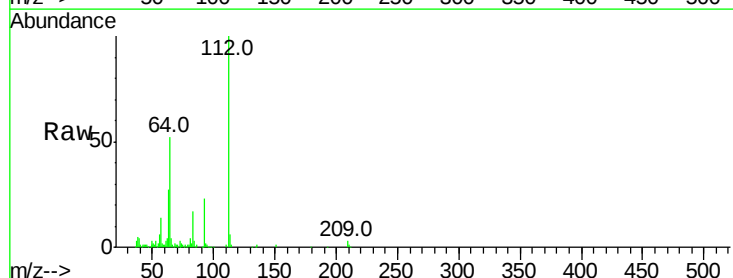
Tgt Ion:112 Resp: 168416

Ion Ratio Lower Upper

112 100

64 52.4 43.7 65.5

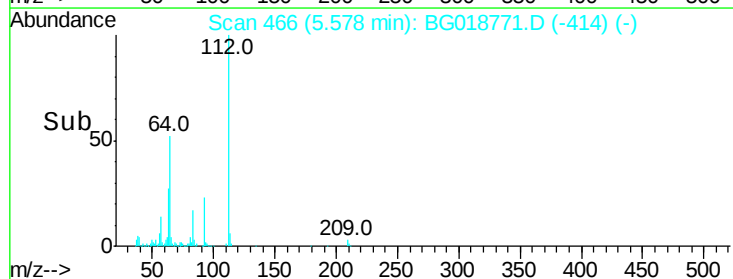
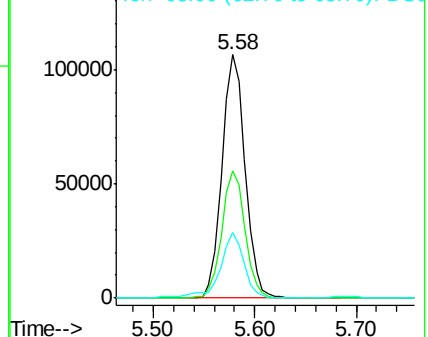
63 27.2 24.0 36.0

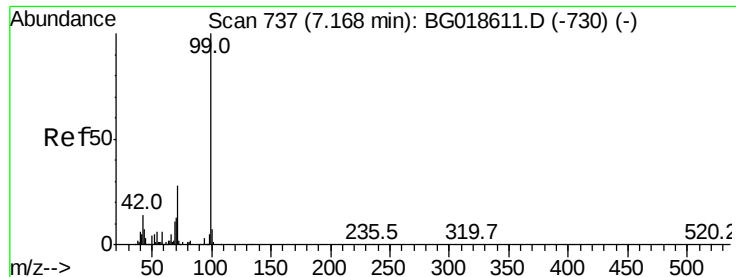


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 51.74 ng

RT: 7.17 min Scan# 737

Delta R.T. -0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

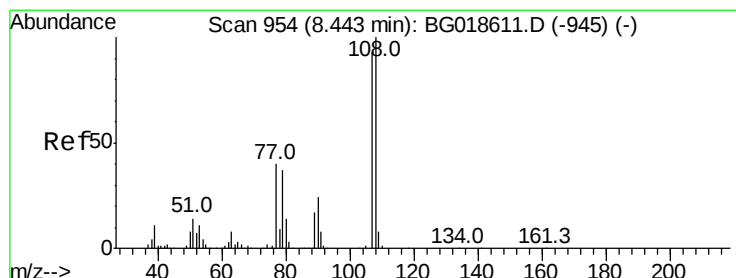
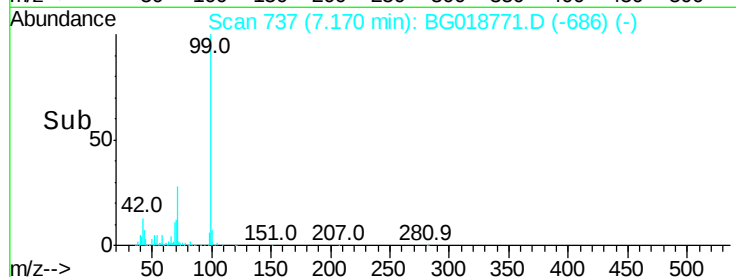
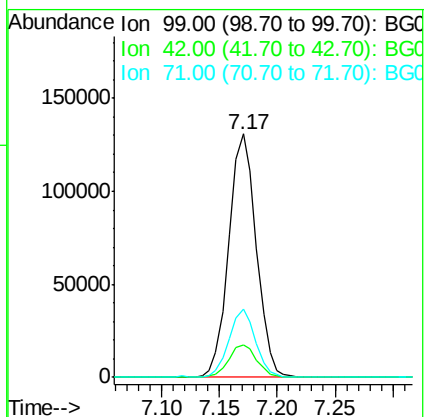
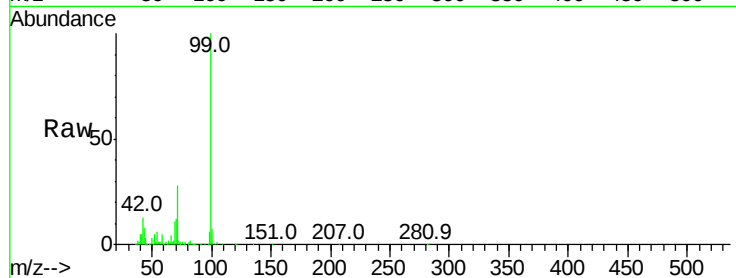
Tgt Ion: 99 Resp: 216679

Ion Ratio Lower Upper

99 100

42 13.2 11.5 17.3

71 28.3 22.6 34.0



#17

2-Methylphenol

Concen: 2.05 ng

RT: 8.45 min Scan# 955

Delta R.T. 0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Tgt Ion: 107 Resp: 6309

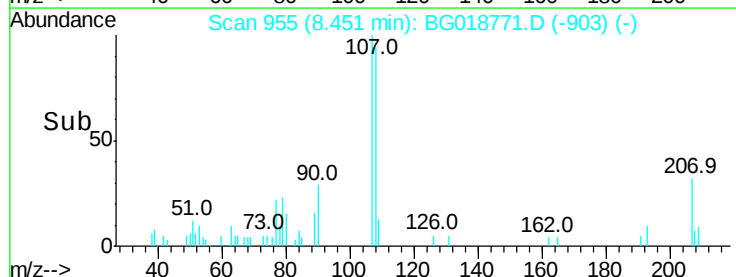
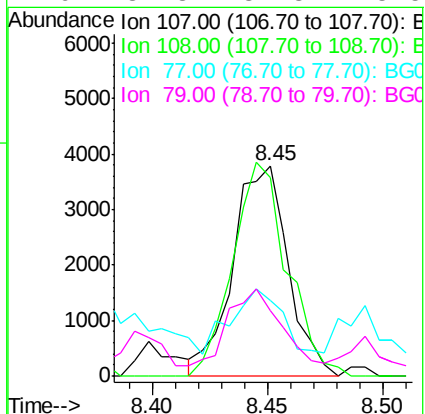
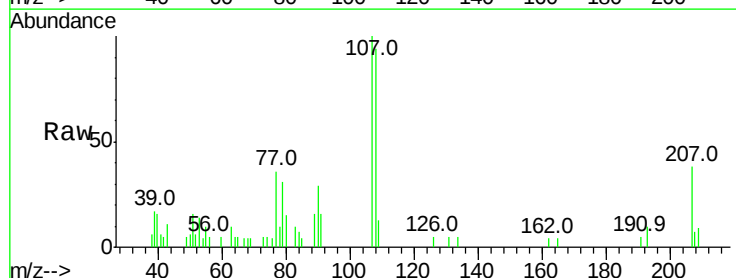
Ion Ratio Lower Upper

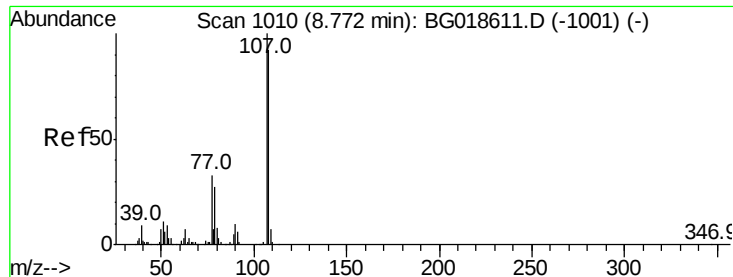
107 100

108 94.0 86.5 129.7

77 36.1 34.6 51.8

79 31.3 32.3 48.5#

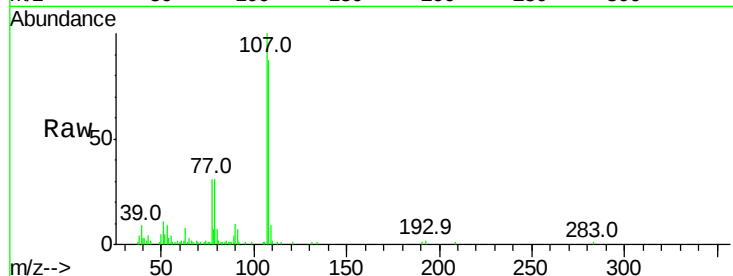




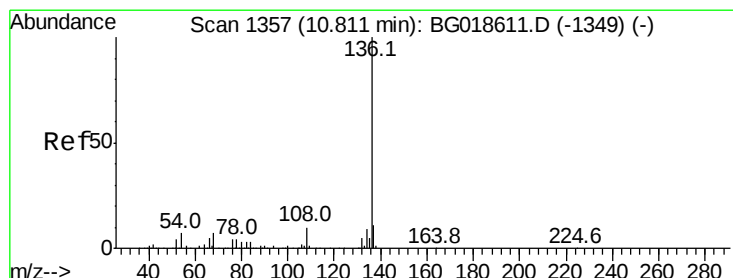
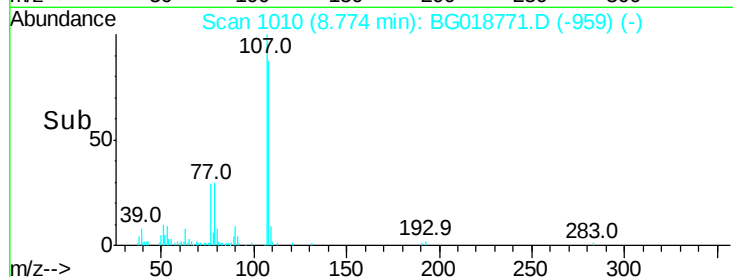
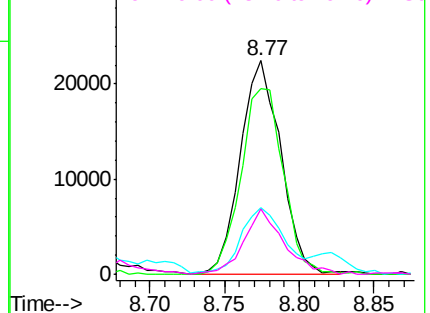
#20
3+4-Methylphenols
Concen: 9.76 ng
RT: 8.77 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :
MW-9

Tgt Ion:	107	Resp:	42112
Ion	Ratio	Lower	Upper
107	100		
108	86.9	72.2	112.2
77	30.9	13.4	53.4
79	30.5	7.2	47.2

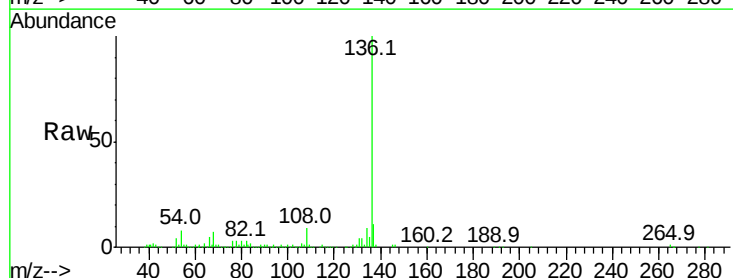


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

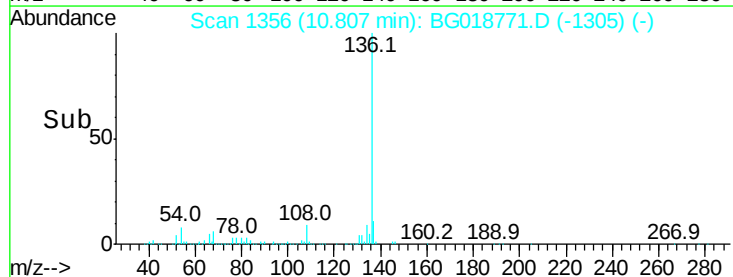
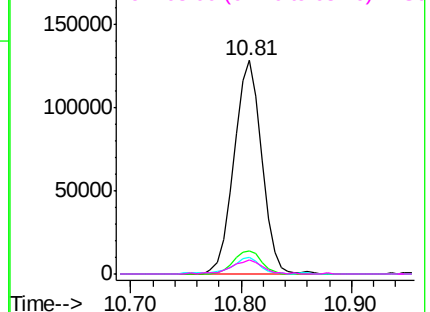


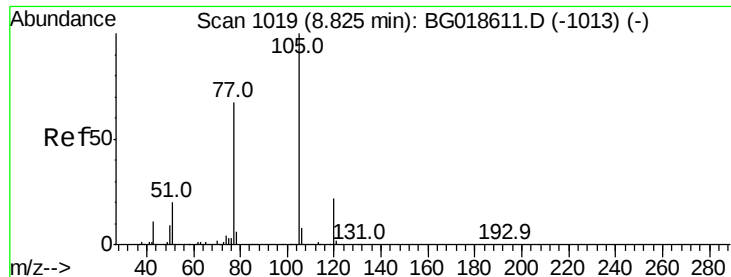
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.81 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion:	136	Resp:	225618
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	7.5	5.4	8.2
68	6.5	5.3	7.9



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: 2.86 ng

RT: 8.80 min Scan# 1015

Delta R.T. -0.02 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

Tgt Ion:105 Resp: 16373

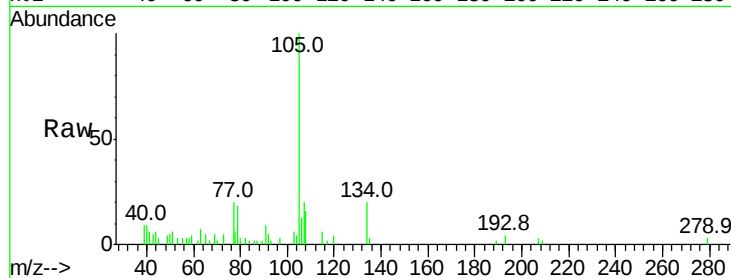
Ion Ratio Lower Upper

105 100

71 0.0 2.1 3.1#

51 6.5 17.8 26.8#

120 3.7 17.7 26.5#

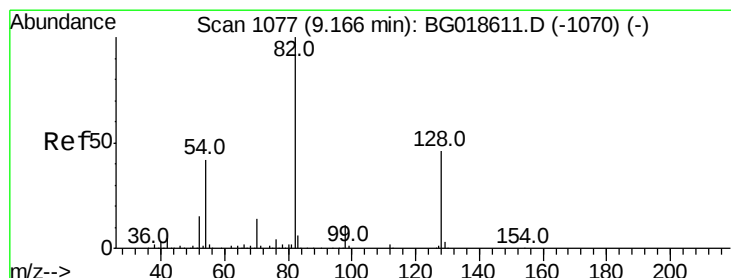
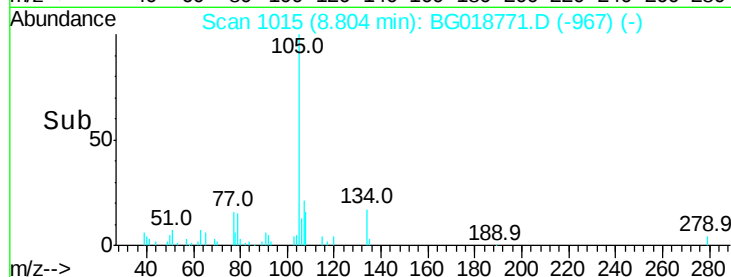
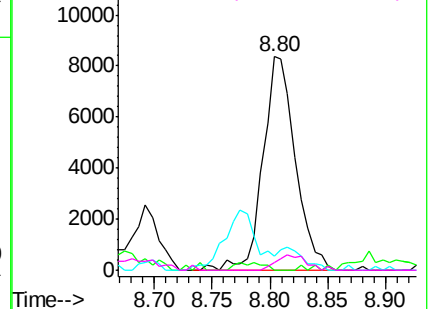


Abundance Ion 105.00 (104.70 to 105.70): E

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: 88.87 ng

RT: 9.16 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

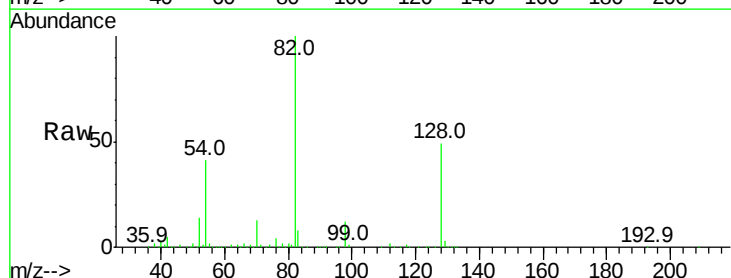
Tgt Ion: 82 Resp: 358327

Ion Ratio Lower Upper

82 100

128 49.1 36.7 55.1

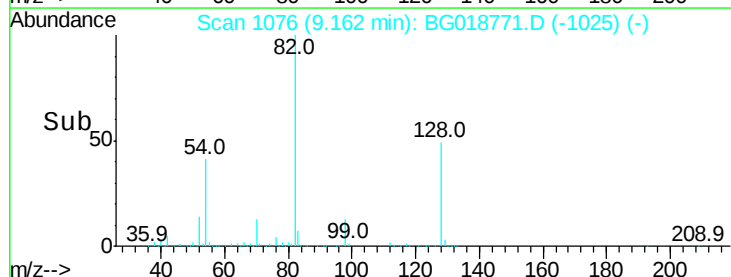
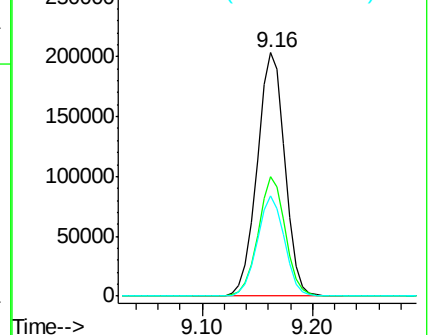
54 41.1 33.8 50.8

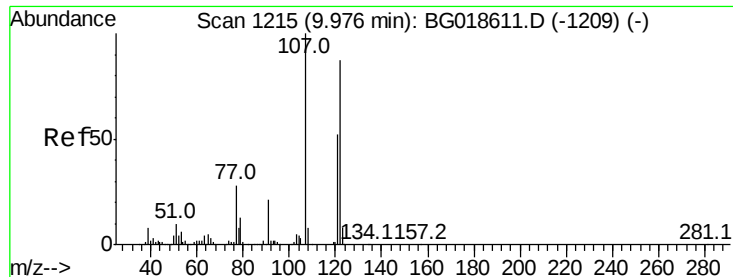


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

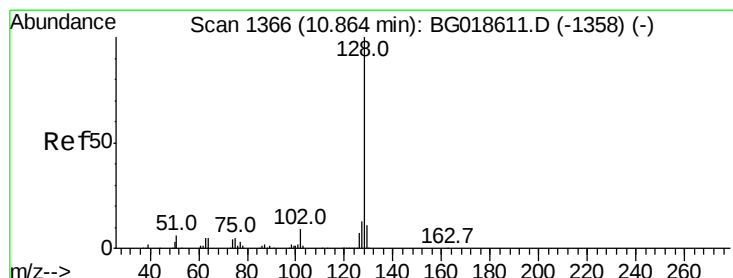
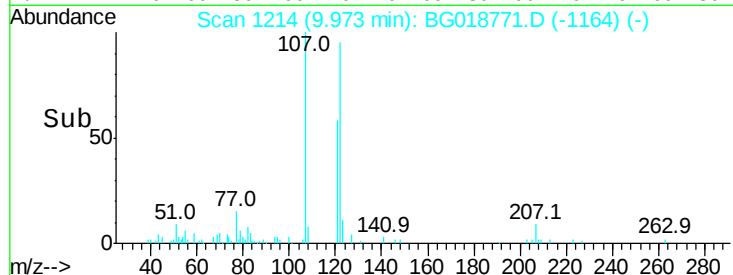
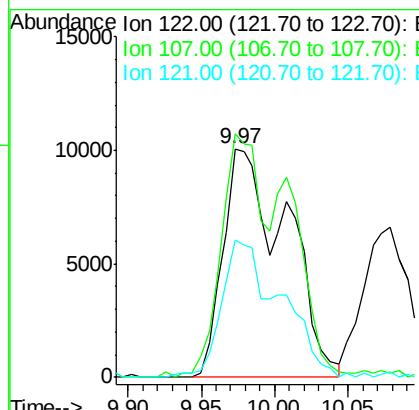
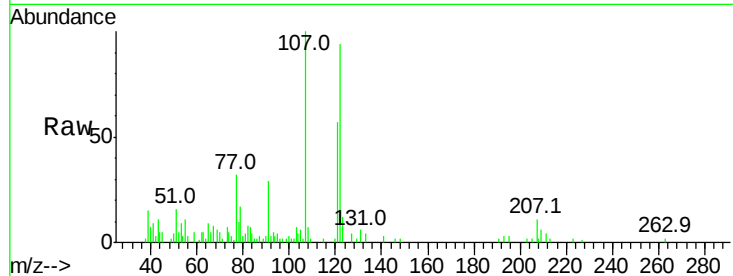




#27
 2,4-Dimethylphenol
 Concen: 8.31 ng m
 RT: 9.97 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BG018771.D
 Acq: 18 Sep 2015 16:33

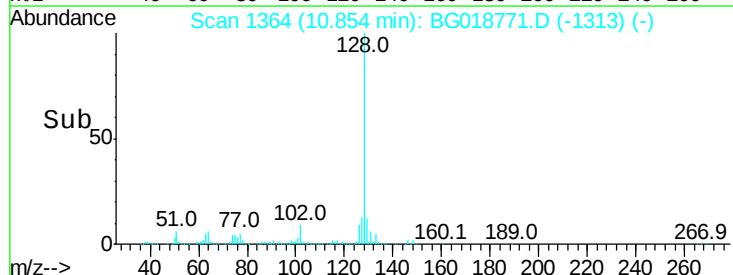
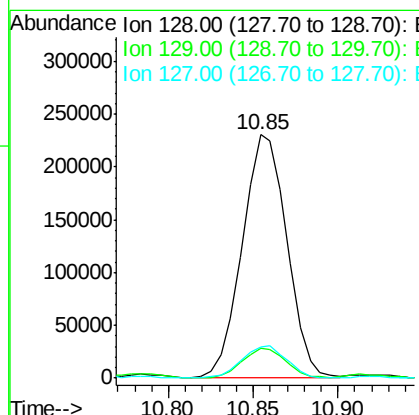
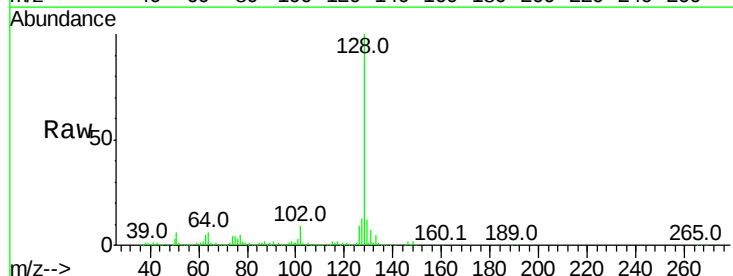
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 MW-9

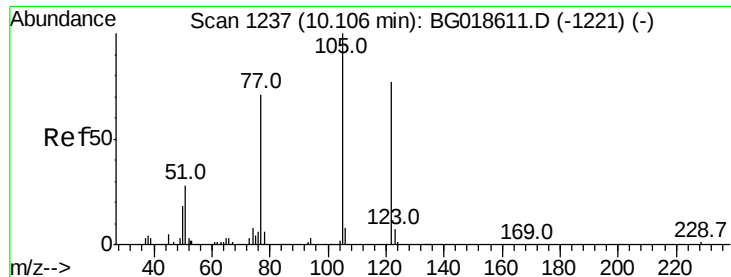
Tgt Ion	Ratio	Lower	Upper
122	100		
107	106.6	91.6	137.4
121	60.3	47.3	70.9



#31
 Naphthalene
 Concen: 34.73 ng
 RT: 10.85 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: BG018771.D
 Acq: 18 Sep 2015 16:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.5	12.7
127	13.1	10.6	16.0

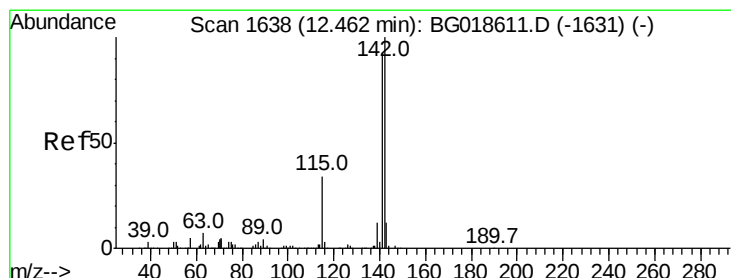
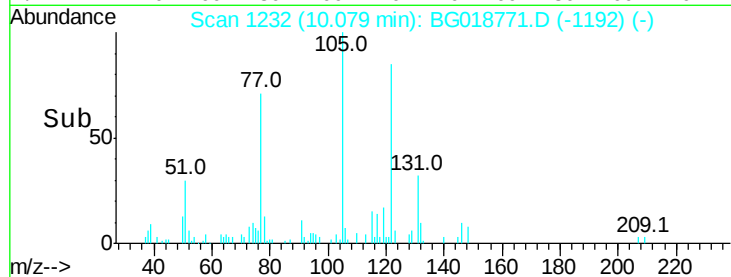
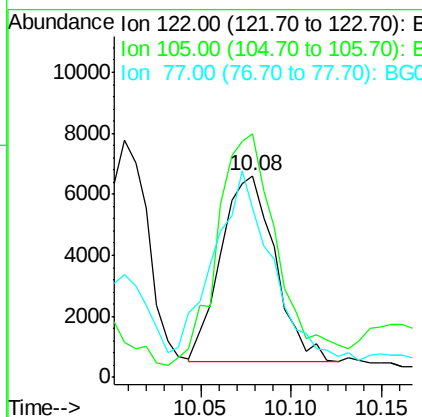
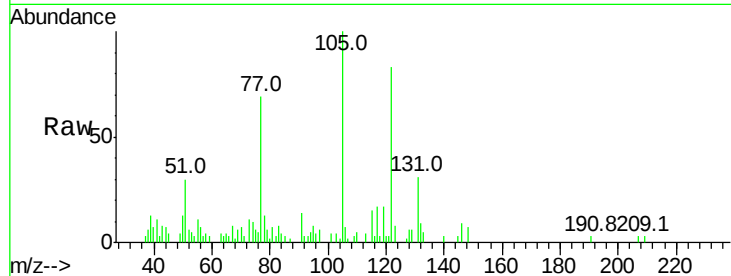




#32
Benzoic acid
Concen: 11.46 ng
RT: 10.08 min Scan# 1232
Delta R.T. -0.06 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

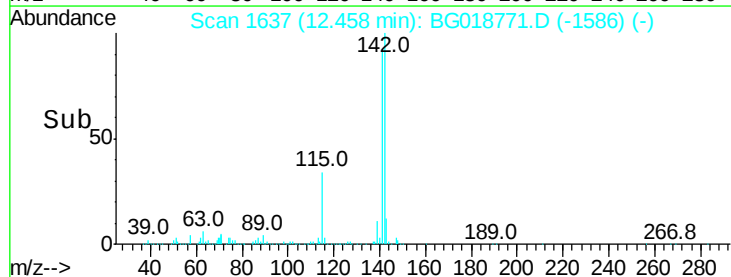
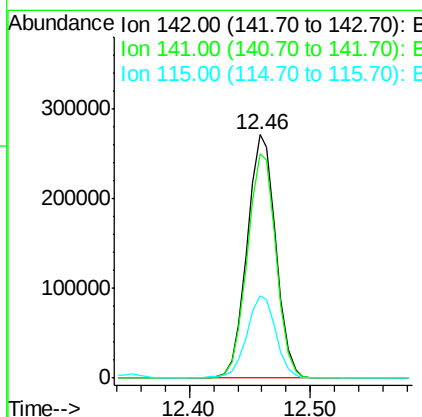
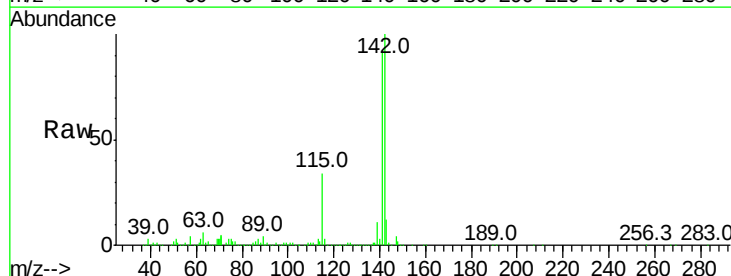
Instrument :
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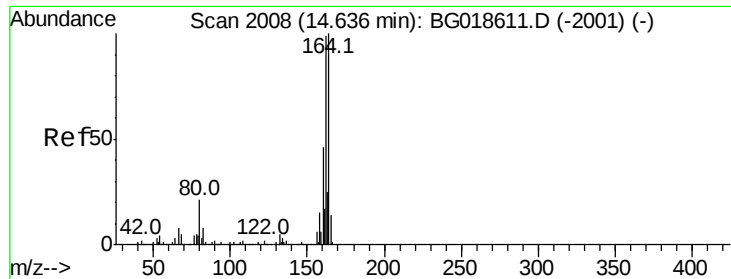
Tgt Ion:122 Resp: 12710
Ion Ratio Lower Upper
122 100
105 120.8 103.8 143.8
77 83.8 68.8 108.8



#37
2-Methylnaphthalene
Concen: 50.67 ng
RT: 12.46 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion:142 Resp: 448135
Ion Ratio Lower Upper
142 100
141 92.0 74.6 112.0
115 33.7 27.4 41.0

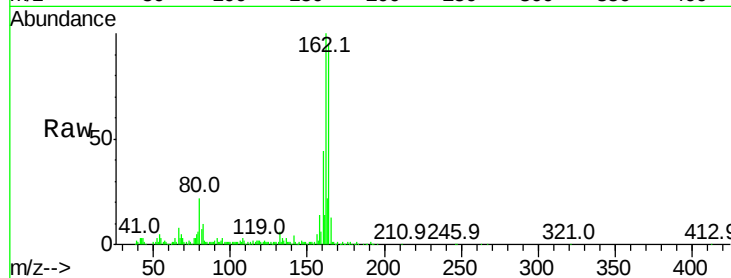




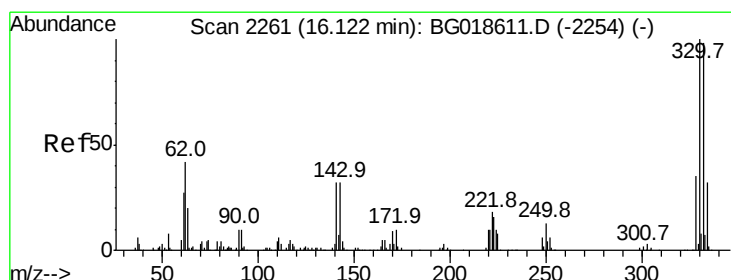
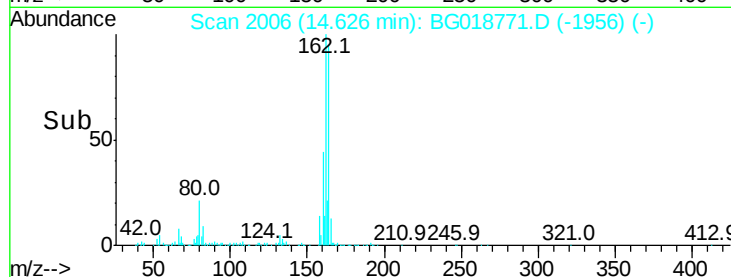
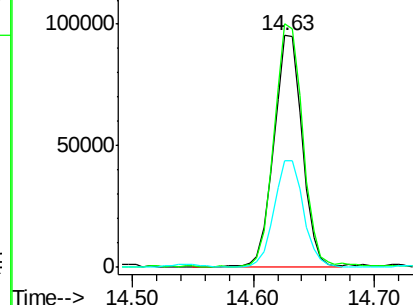
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :
MW-9

Tgt Ion:164 Resp: 154331
Ion Ratio Lower Upper
164 100
162 105.0 78.8 118.2
160 46.0 36.4 54.6

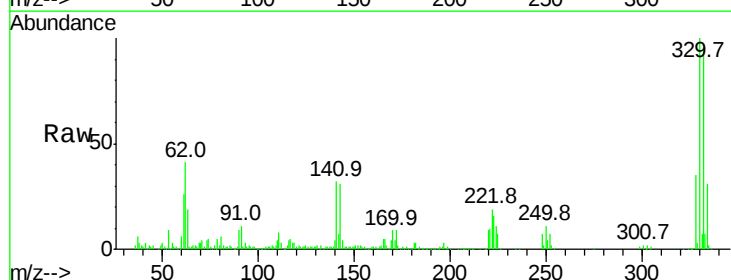


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

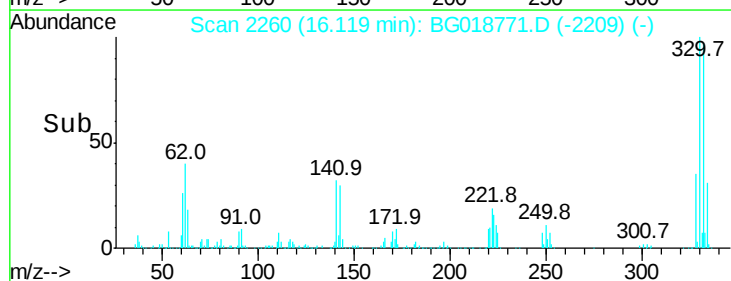
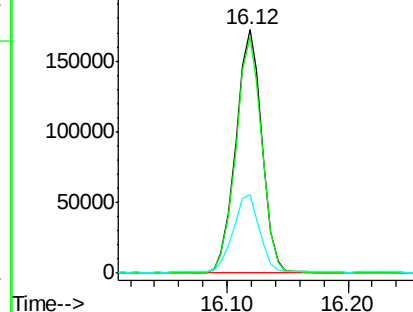


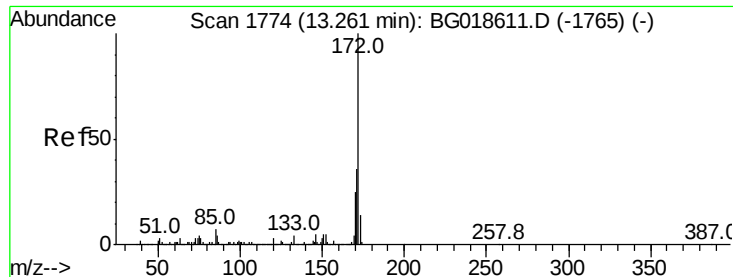
#41
2,4,6-Tribromophenol
Concen: 124.52 ng
RT: 16.12 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion:330 Resp: 258751
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 32.1 28.2 42.2



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

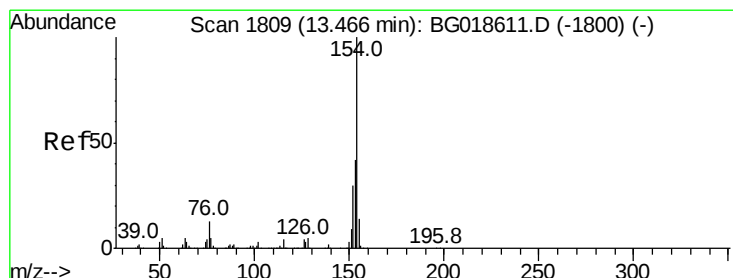
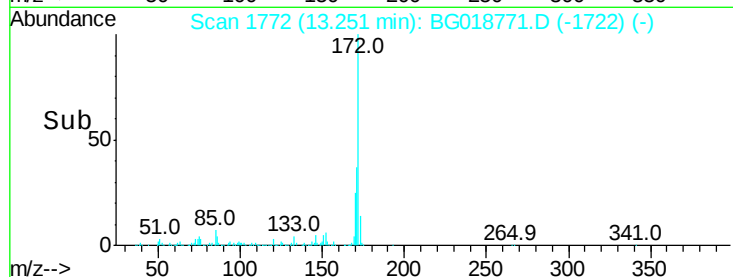
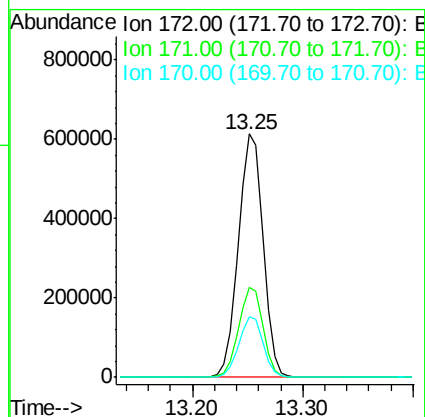
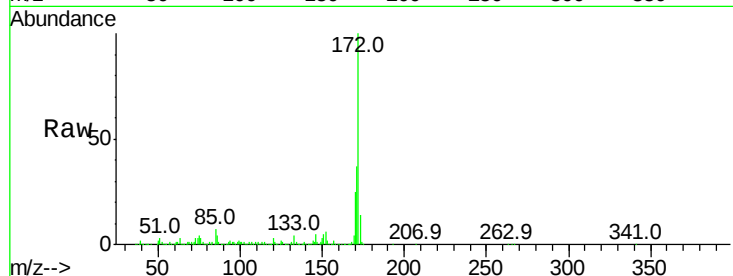




#44
2-Fluorobiphenyl
Concen: 86.99 ng
RT: 13.25 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

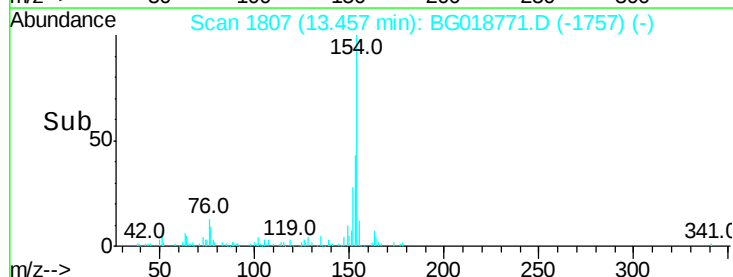
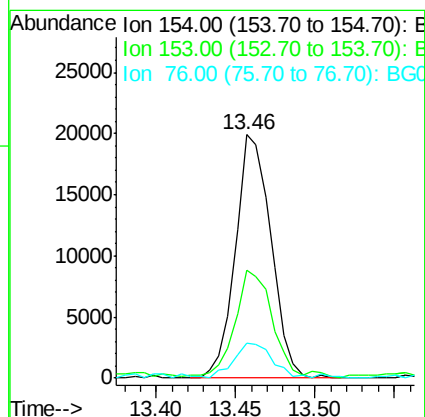
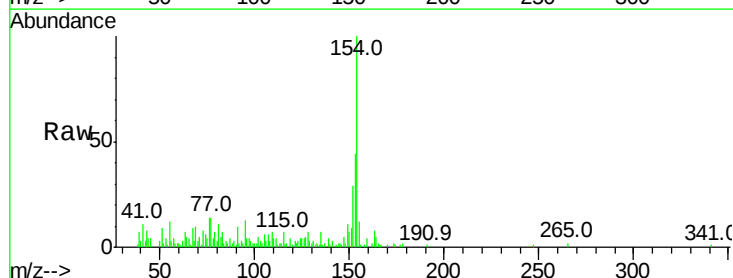
Instrument :
BNA_G
ClientSampleId :
MW-9

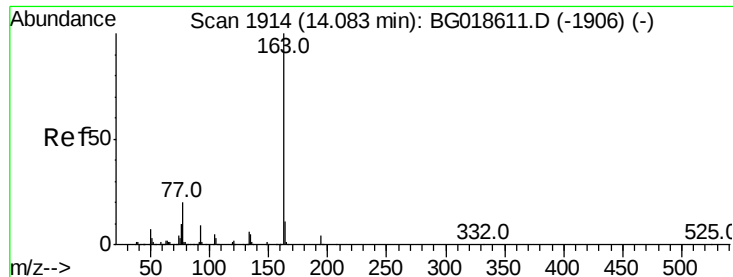
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.0	43.6
170	24.8	19.9	29.9



#45
1,1'-Biphenyl
Concen: 2.52 ng
RT: 13.46 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.2	21.9	61.9
76	14.1	0.0	33.2





#49

Dimethylphthalate

Concen: 5.71 ng

RT: 14.07 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

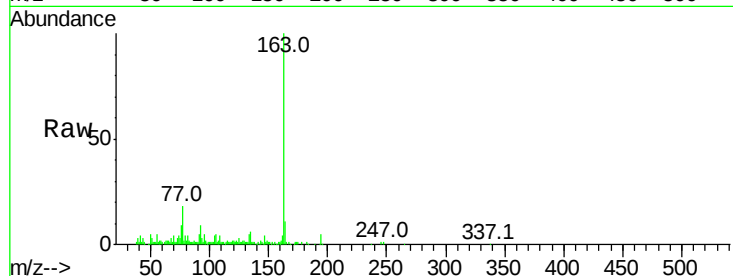
Tgt Ion:163 Resp: 72955

Ion Ratio Lower Upper

163 100

194 4.9 3.1 4.7#

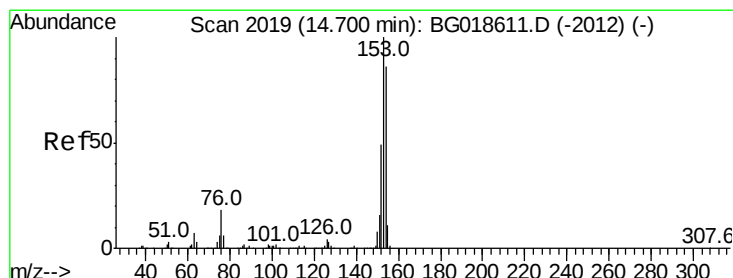
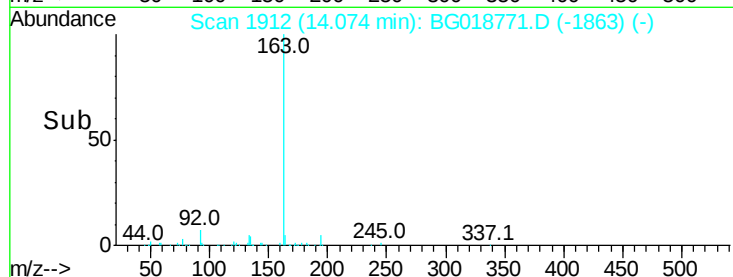
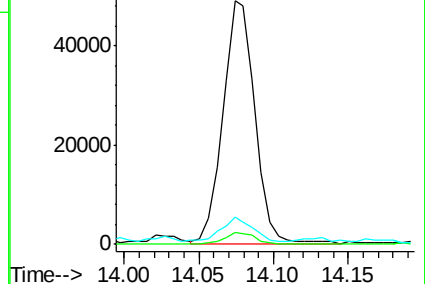
164 11.4 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.69 ng

RT: 14.69 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

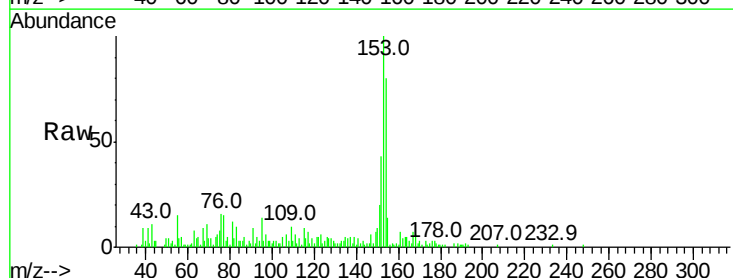
Tgt Ion:154 Resp: 26189

Ion Ratio Lower Upper

154 100

153 124.4 92.9 139.3

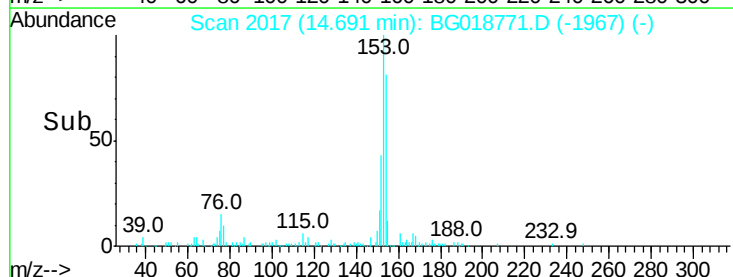
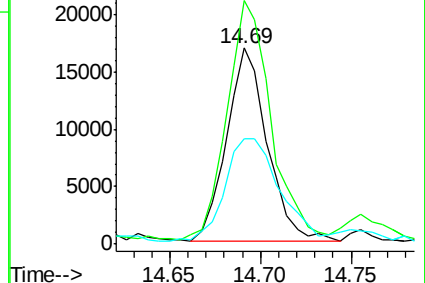
152 54.1 45.8 68.8

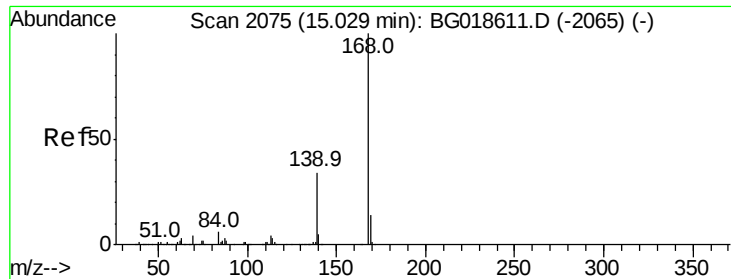


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzo(furan)

Concen: 3.14 ng

RT: 15.03 min Scan# 2074

Delta R.T. -0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

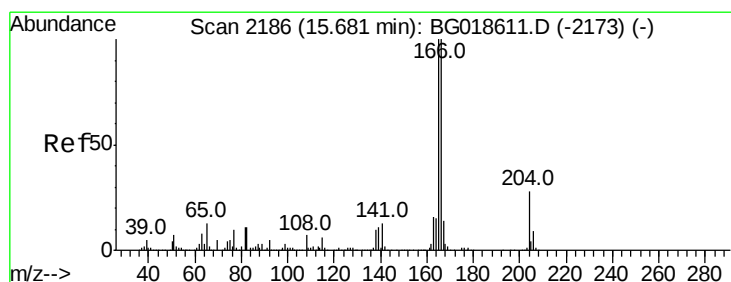
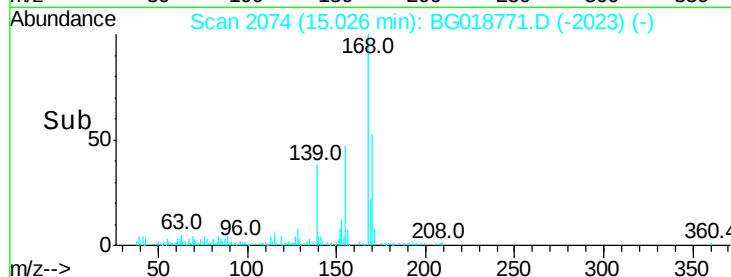
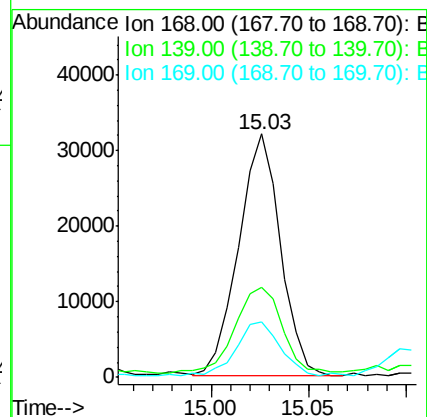
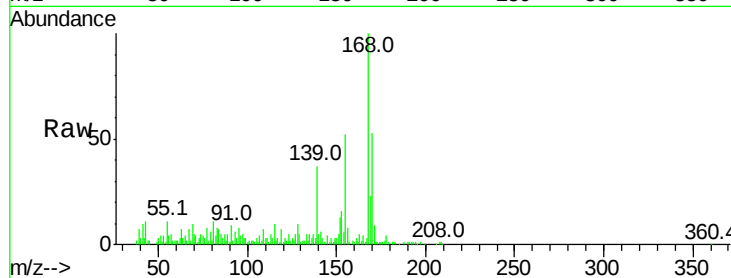
Tgt Ion:168 Resp: 47463

Ion Ratio Lower Upper

168 100

139 37.2 27.4 41.0

169 22.8 11.0 16.4#



#57

Fluorene

Concen: 4.17 ng

RT: 15.67 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

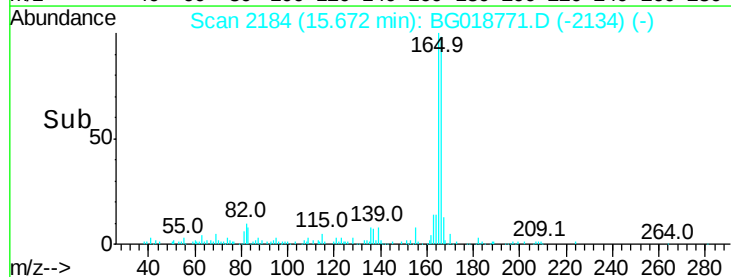
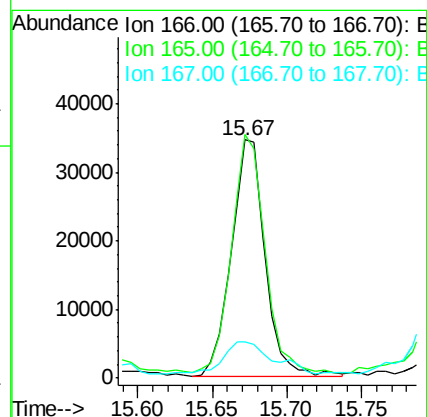
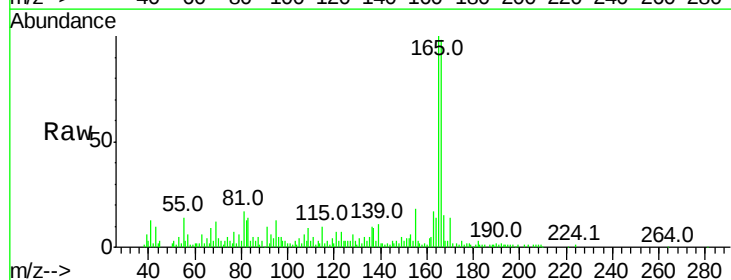
Tgt Ion:166 Resp: 54256

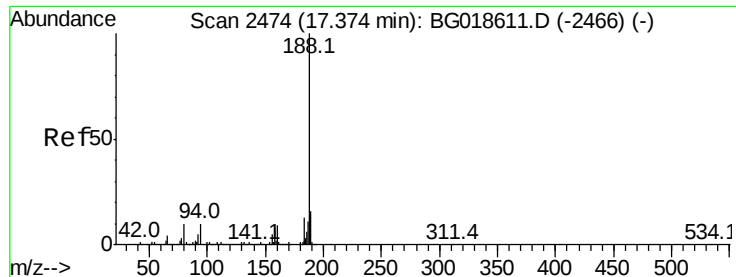
Ion Ratio Lower Upper

166 100

165 102.2 80.0 120.0

167 15.5 11.1 16.7

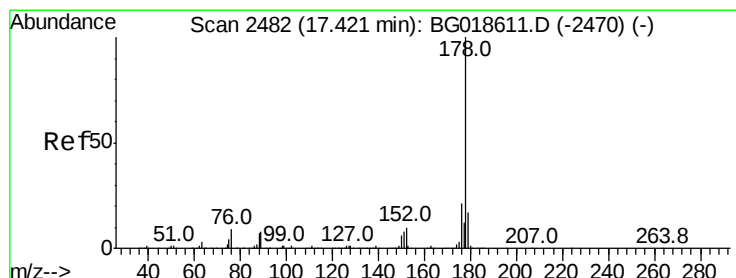
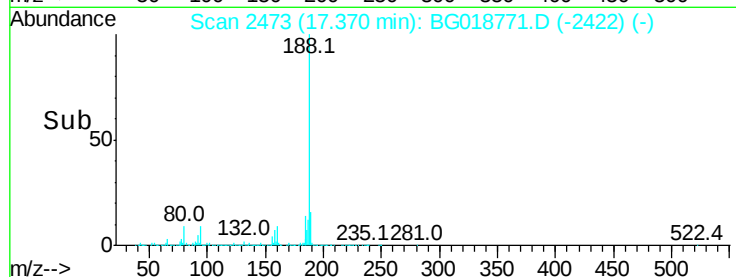
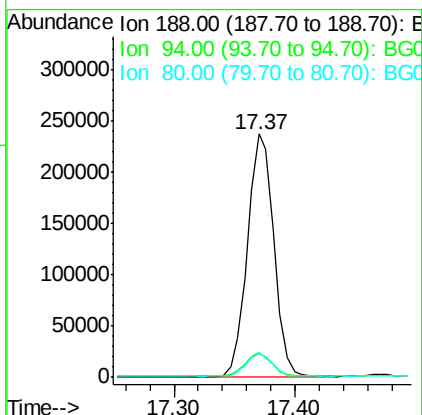
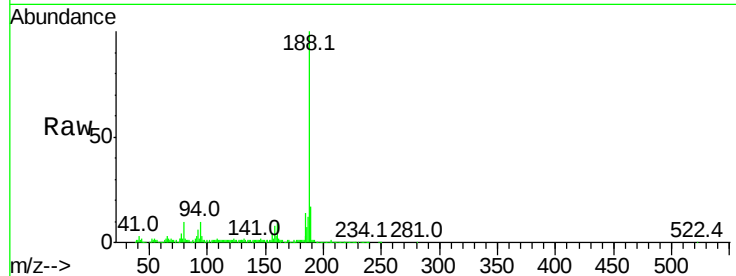




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.37 min Scan# 2473
Delta R.T. 0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

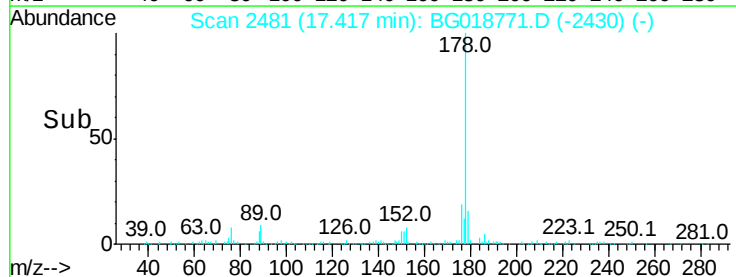
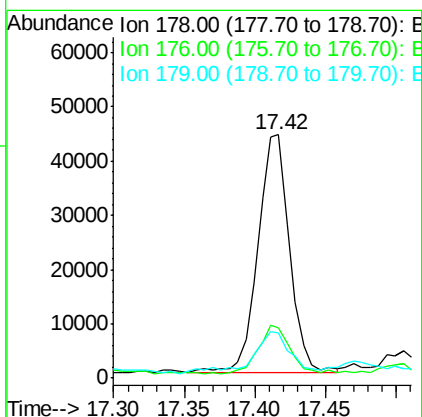
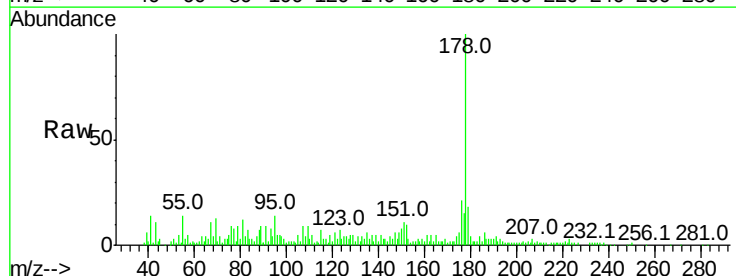
Instrument :
BNA_G
ClientSampleId :
MW-9

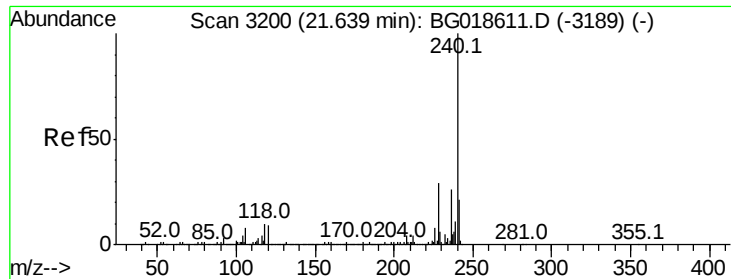
Tgt Ion:188 Resp: 359481
Ion Ratio Lower Upper
188 100
94 9.9 7.7 11.5
80 9.7 7.8 11.8



#70
Phenanthrene
Concen: 3.65 ng
RT: 17.42 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion:178 Resp: 68973
Ion Ratio Lower Upper
178 100
176 20.8 16.7 25.1
179 18.4 13.9 20.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

MW-9

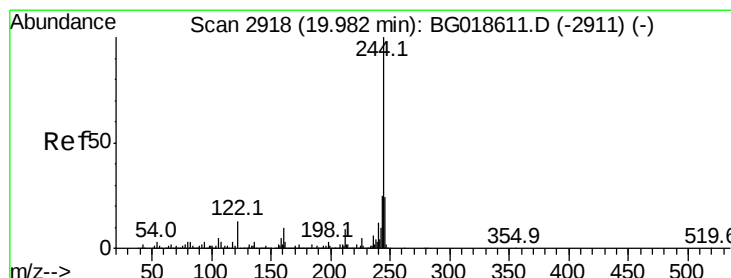
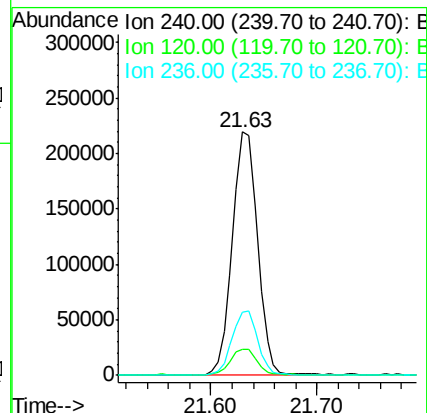
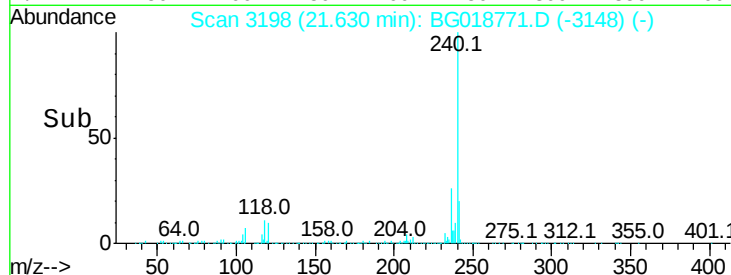
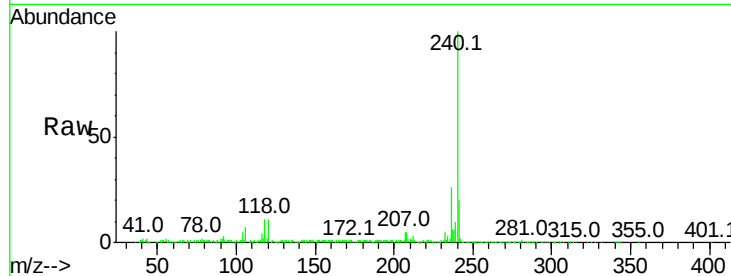
Tgt Ion:240 Resp: 360450

Ion Ratio Lower Upper

240 100

120 10.7 7.4 11.0

236 25.9 20.7 31.1



#78

Terphenyl-d14

Concen: 88.08 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

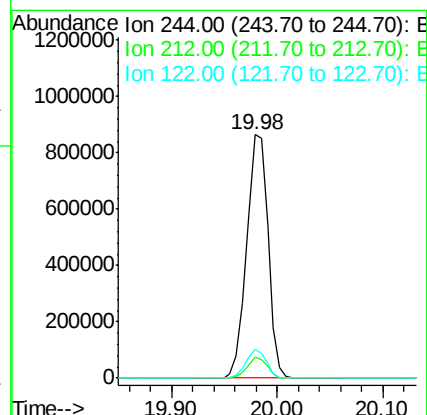
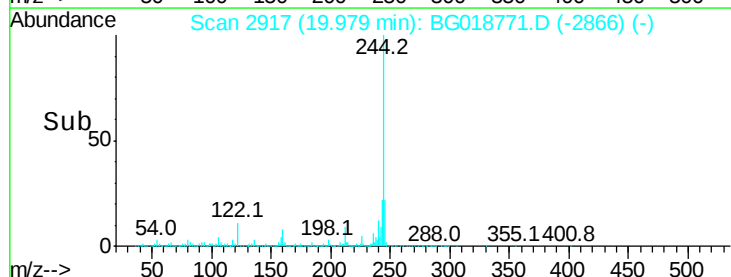
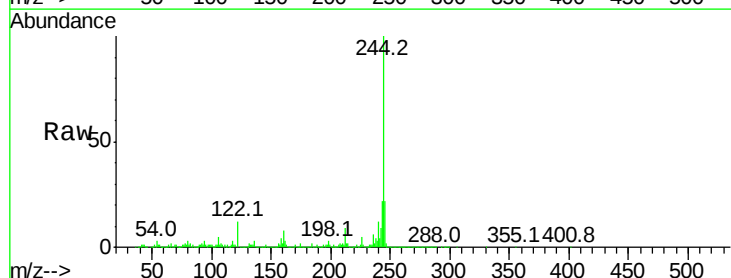
Tgt Ion:244 Resp: 1209007

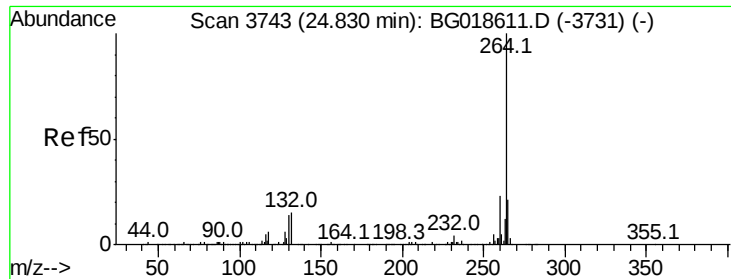
Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

122 11.6 10.2 15.2

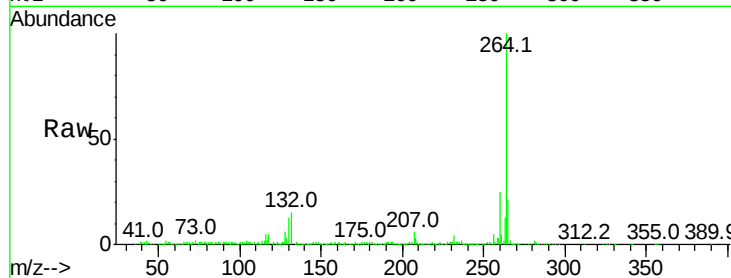




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.83 min Scan# 3742
Delta R.T. 0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :
MW-9

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.5	27.7
265	21.1	17.2	25.8



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

