

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 :

Quant Time: Sep 18 23:57:16 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

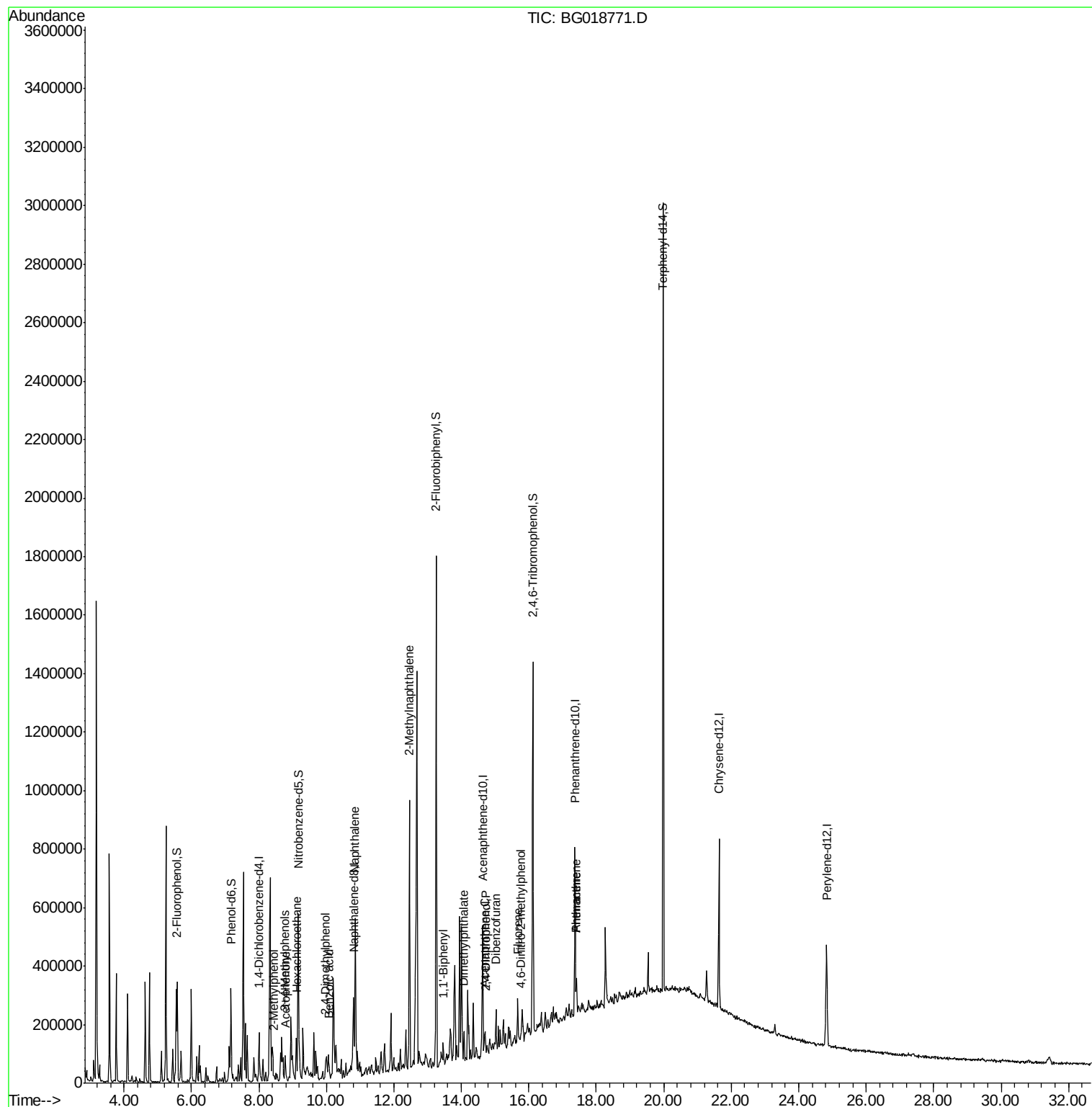
						Qvalue
17) 2-Methylphenol	8.45	107	6309	2.05	ng	# 87
18) Hexachloroethane	9.11	117	21535	15.30	ng	# 1
20) 3+4-Methylphenols	8.77	107	42112	9.76	ng	95
22) Acetophenone	8.80	105	16373	2.86	ng	# 66
27) 2,4-Dimethylphenol	9.97	122	19050	5.25	ng	95
31) Naphthalene	10.85	128	419548	34.73	ng	98
32) Benzoic 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
53) 2,4-Dinitrophenol	14.71	184	67	7.69	ng	# 1
54) Dibenzofuran	15.03	168	47463	3.14	ng	# 90
57) Fluorene	15.67	166	54256	4.17	ng	98
64) 4,6-Dinitro-2-methylphenol	15.77	198	331	5.55	ng	# 1
70) Phenanthrene	17.42	178	68973	3.65	ng	99
71) Anthracene	17.42	178	68973	3.60	ng	99

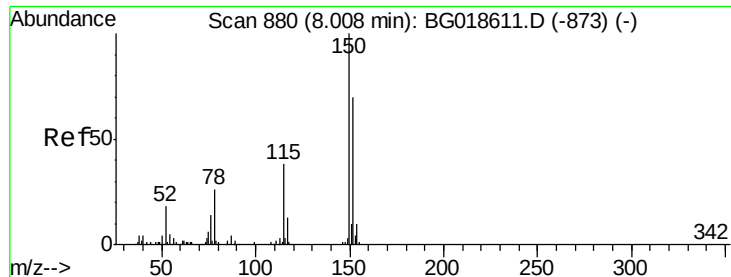
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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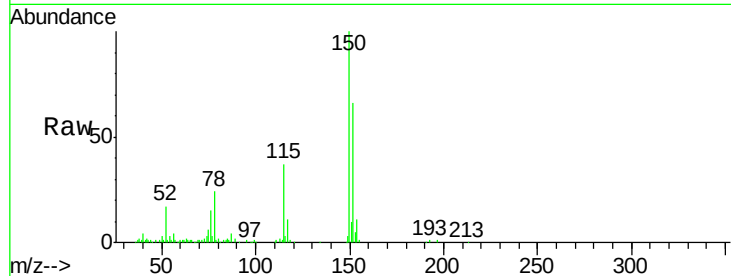


#1

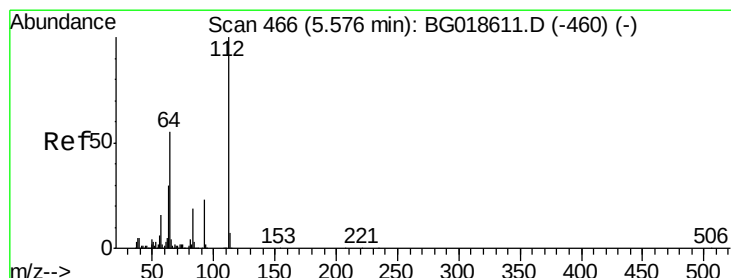
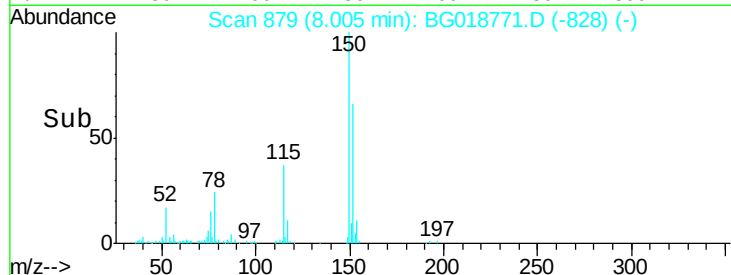
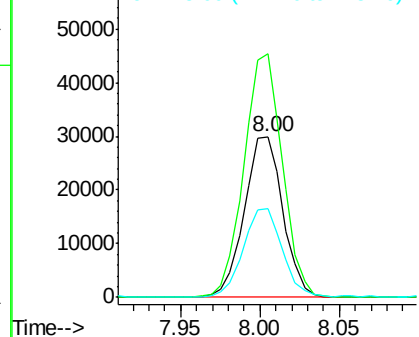
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.00 min Scan# 879
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	115.0	172.4
115	55.3	43.9	65.9



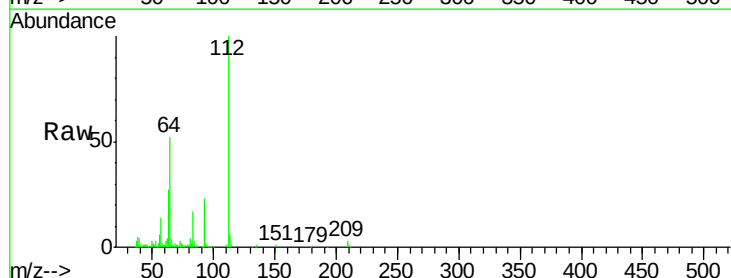
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



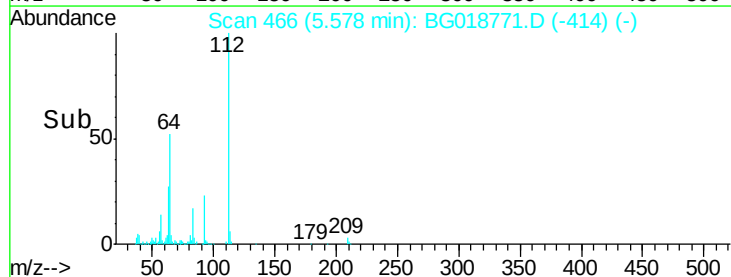
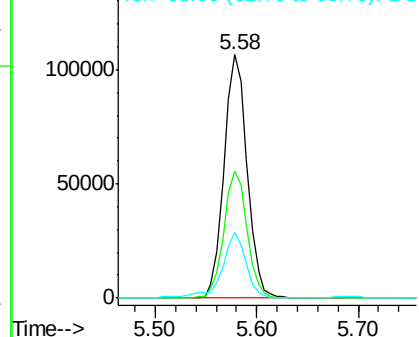
#5

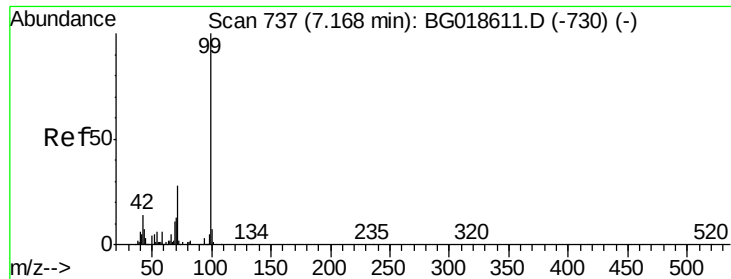
2-Fluorophenol
Concen: 57.66 ng
RT: 5.58 min Scan# 466
Delta R.T. 0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion	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): BG0
Ion 63.00 (62.70 to 63.70): BG0





#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 :

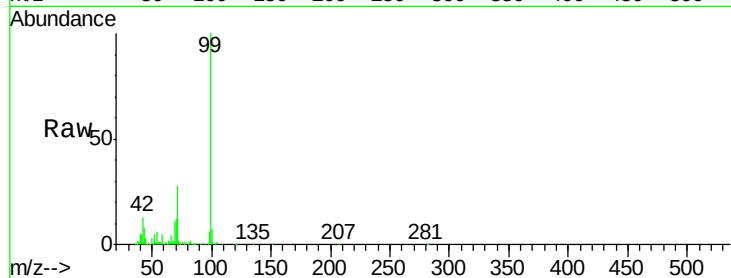
Tot Ion: 99 Resp: 216679

Ion Ratio Lower Upper

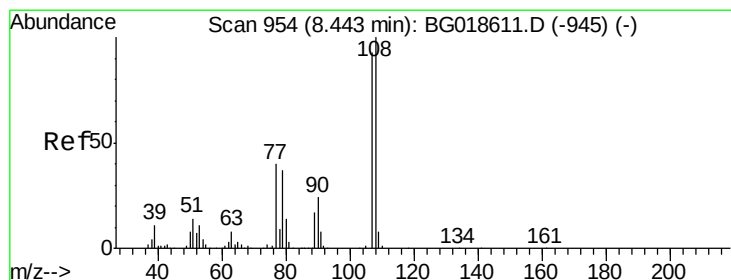
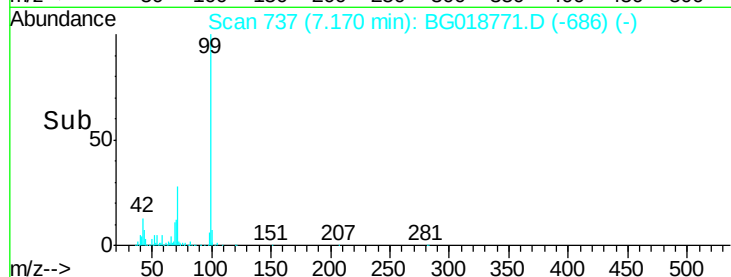
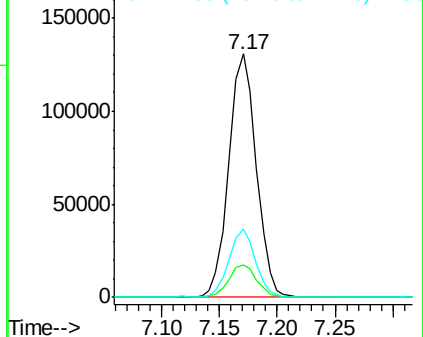
99 100

42 13.2 11.5 17.3

71 28.3 22.6 34.0



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



#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

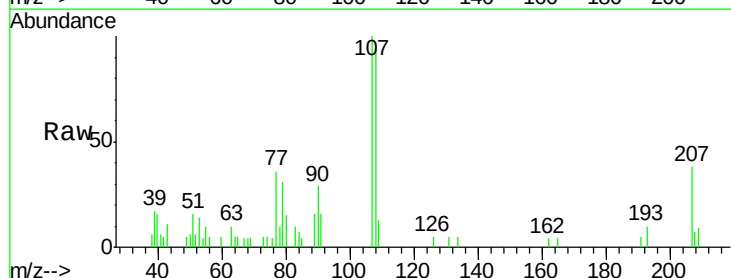
Ion Ratio Lower Upper

107 100

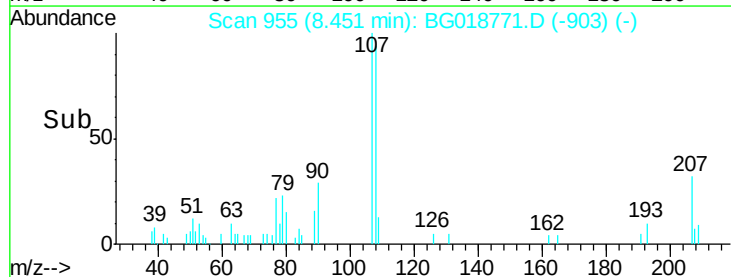
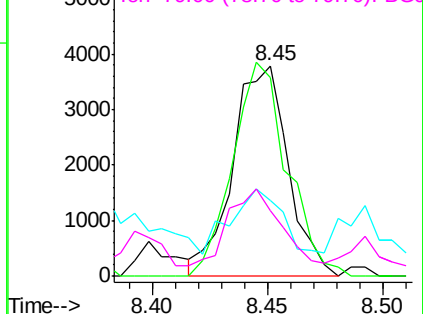
108 94.0 86.5 129.7

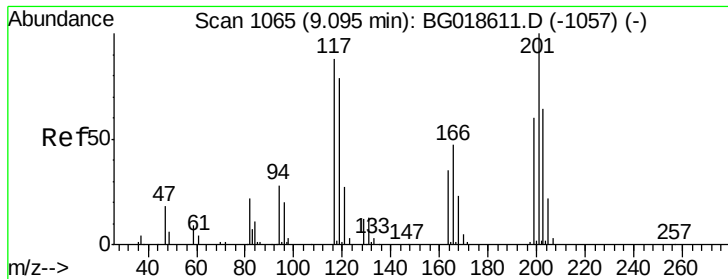
77 36.1 34.6 51.8

79 31.3 32.3 48.5#



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

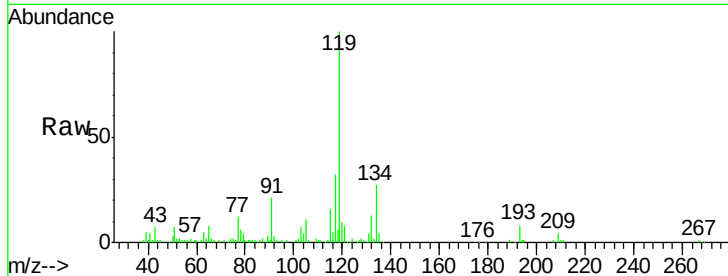




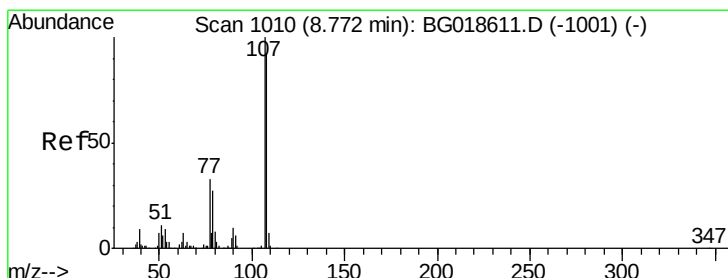
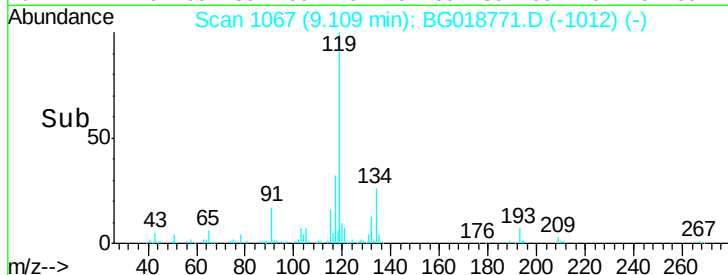
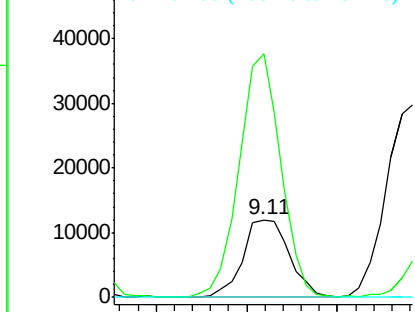
#18
Hexachloroethane
Concen: 15.30 ng
RT: 9.11 min Scan# 1067
Delta R.T. 0.02 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:117 Resp: 21535
Ion Ratio Lower Upper
117 100
119 313.0 71.7 107.5#
201 0.0 90.9 136.3#



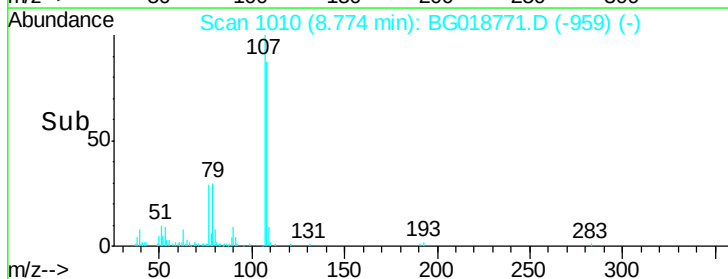
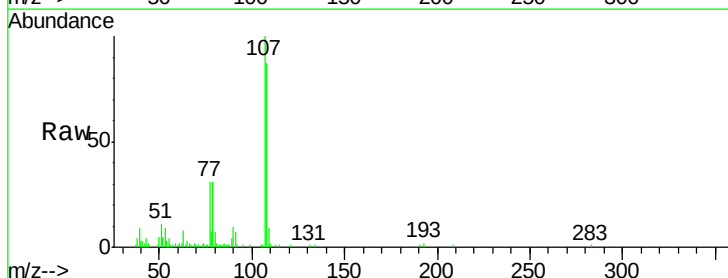
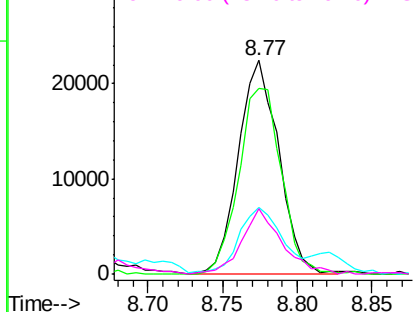
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

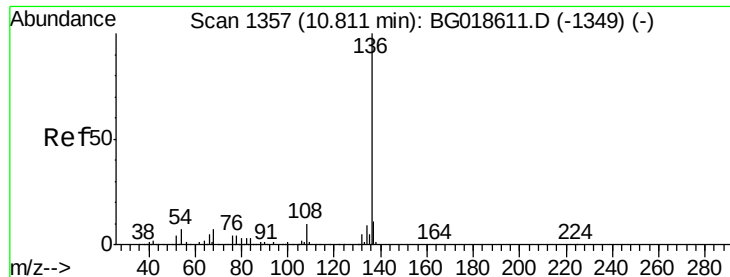


#20
3+4-Methylphenols
Concen: 9.76 ng
RT: 8.77 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

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

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 225618

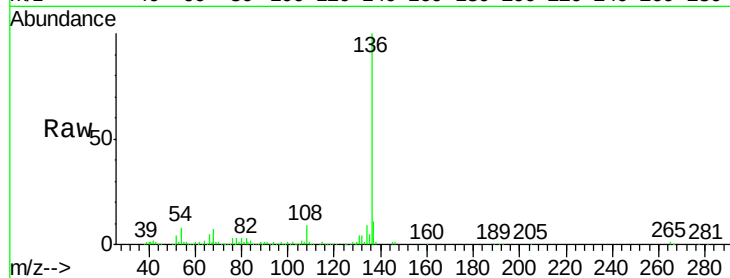
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 7.5 5.4 8.2

68 6.5 5.3 7.9

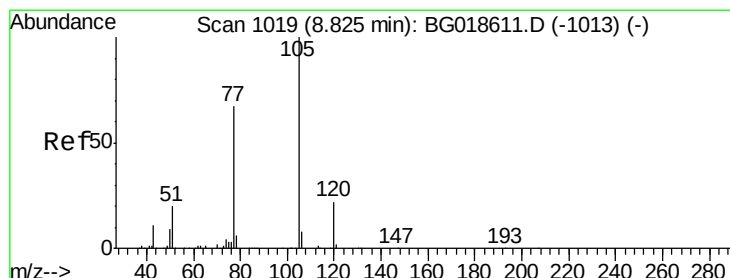
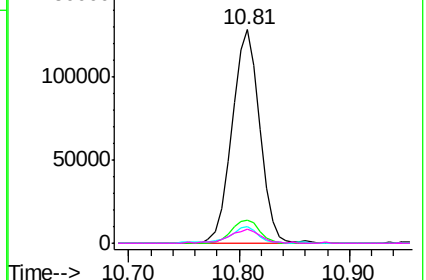
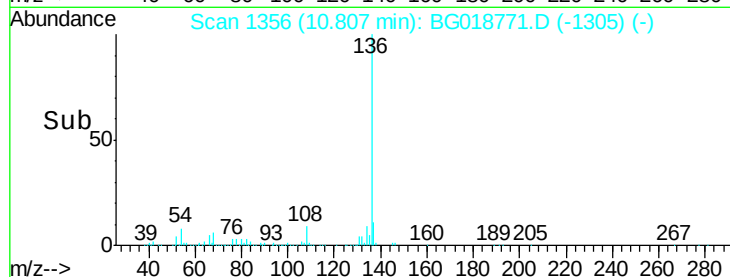


Abundance Ion 136.00 (135.70 to 136.70): E

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

Tgt Ion:105 Resp: 16373

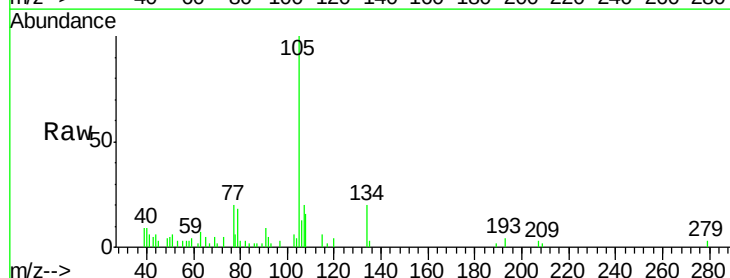
Ion Ratio Lower Upper

105 100

71 0.0 2.1 3.1#

51 6.5 17.8 26.8#

120 3.7 17.7 26.5#

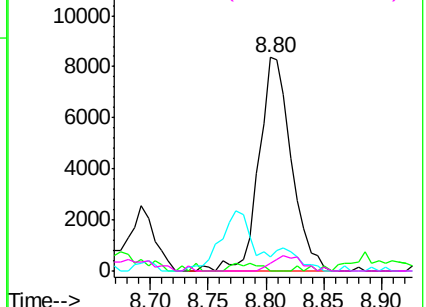
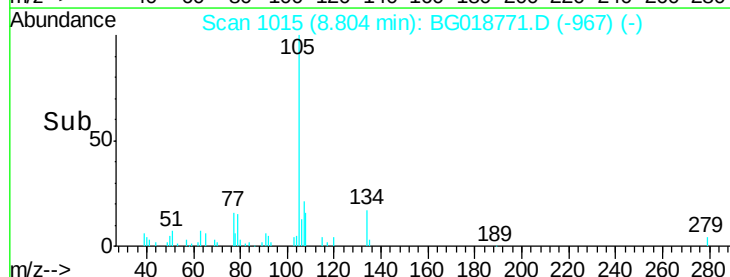


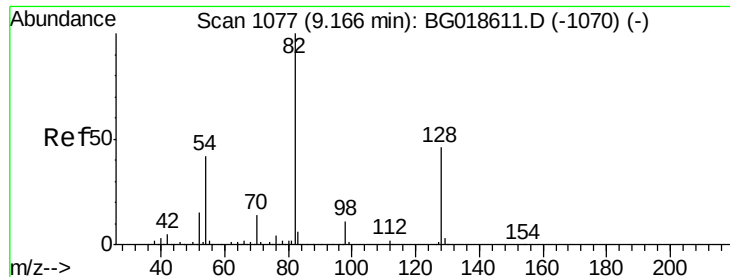
Abundance Ion 105.00 (104.70 to 105.70): E

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

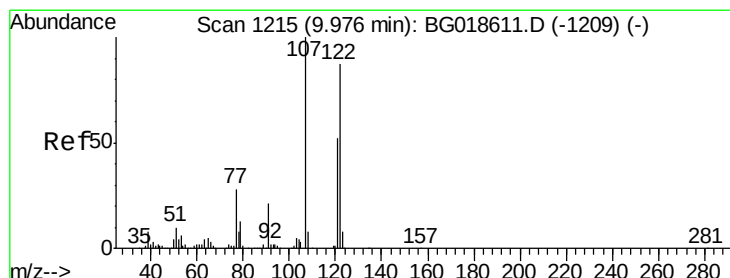
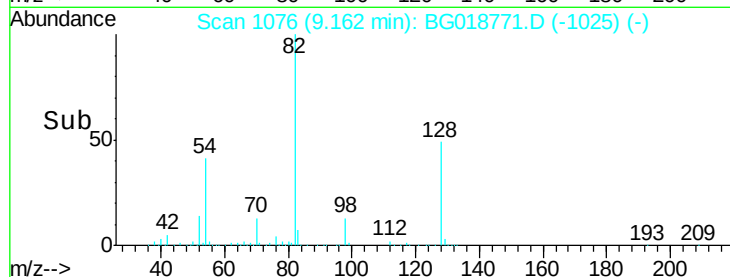
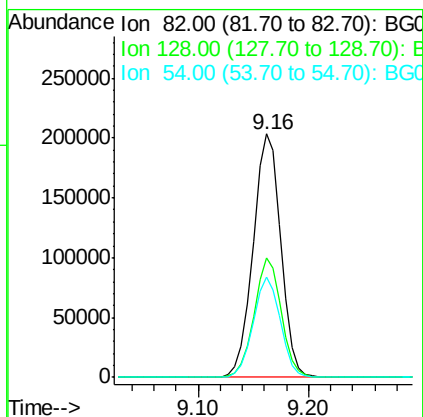
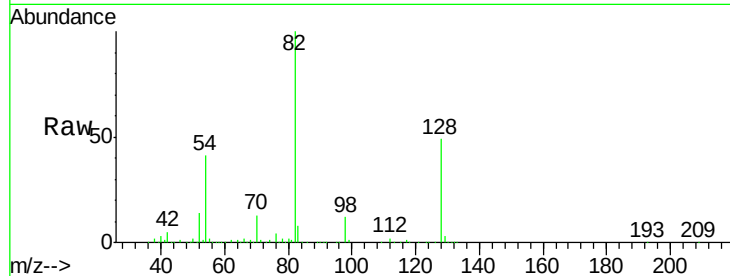




#23
Nitrobenzene-d5
Concen: 88.87 ng
RT: 9.16 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

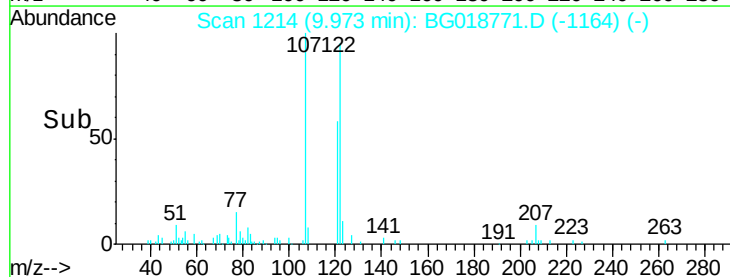
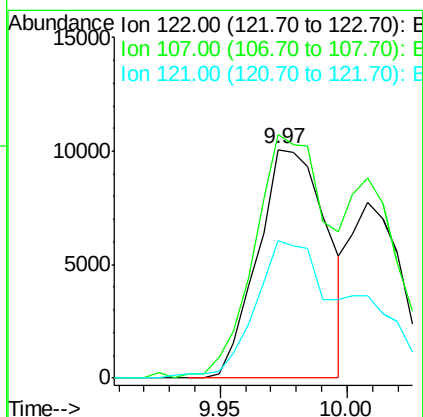
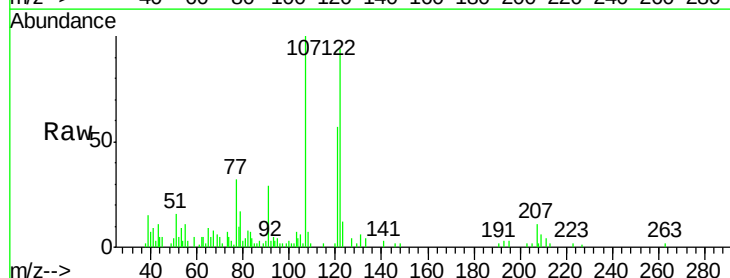
Instrument :
BNA_G
ClientSampled :

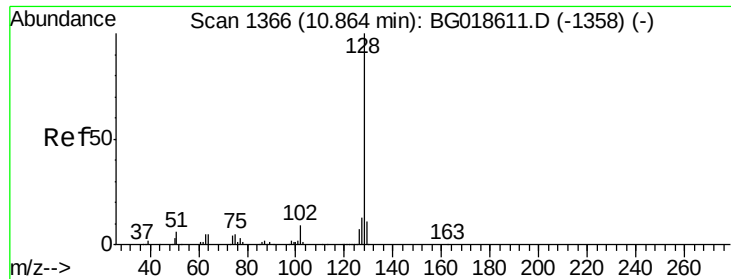
Tot Ion: 82 Resp: 358327
Ion Ratio Lower Upper
82 100
128 49.1 36.7 55.1
54 41.1 33.8 50.8



#27
2,4-Dimethylphenol
Concen: 5.25 ng
RT: 9.97 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Tgt Ion: 122 Resp: 19050
Ion Ratio Lower Upper
122 100
107 106.6 91.6 137.4
121 60.3 47.3 70.9

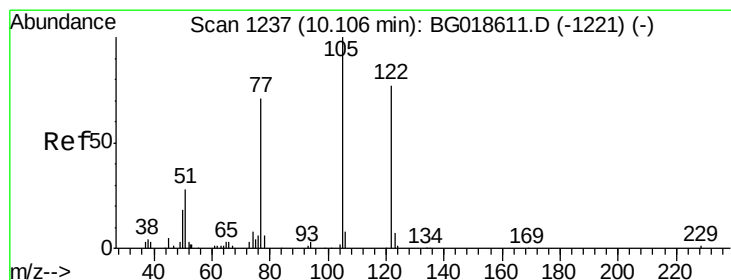
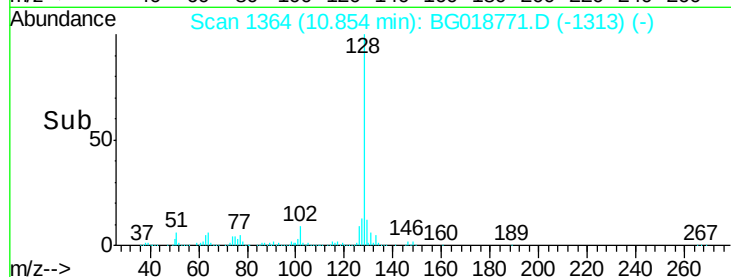
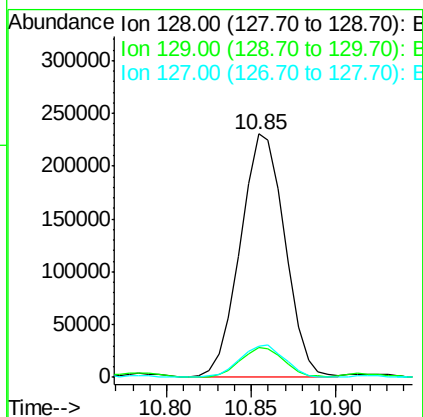
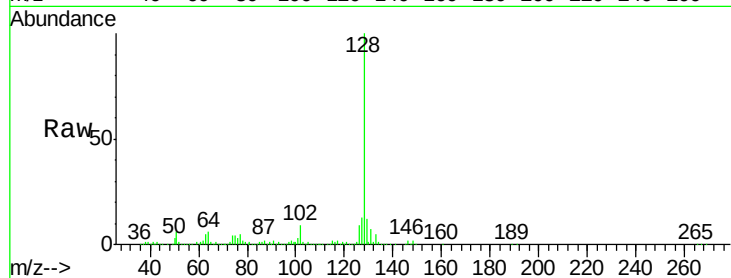




#31
Naphthalene
Concen: 34.73 ng
RT: 10.85 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

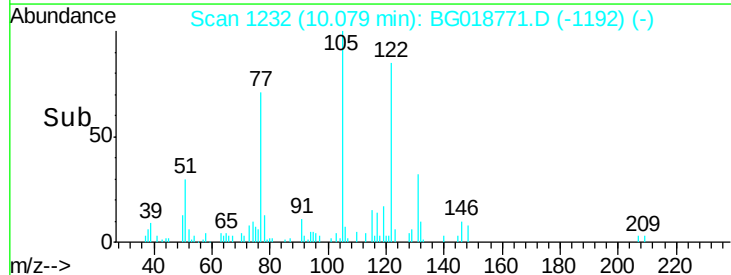
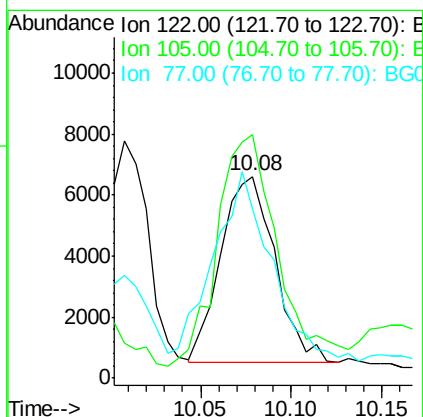
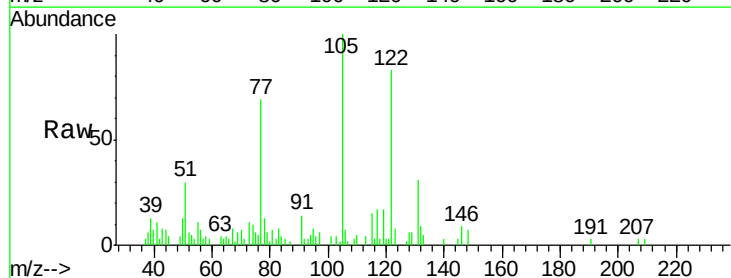
Instrument :
BNA_G
ClientSampleId :

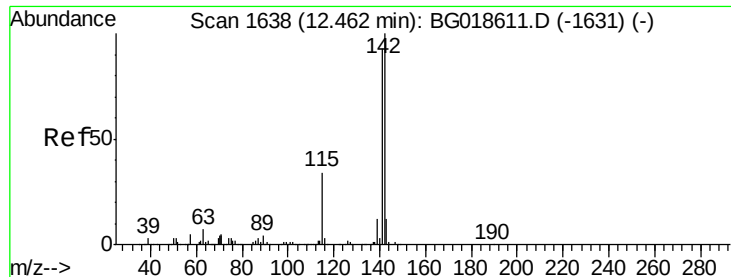
Tot Ion:128 Resp: 419548
Ion Ratio Lower Upper
128 100
129 12.4 8.5 12.7
127 13.1 10.6 16.0



#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

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

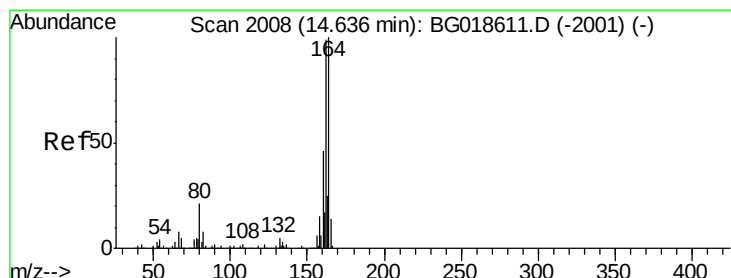
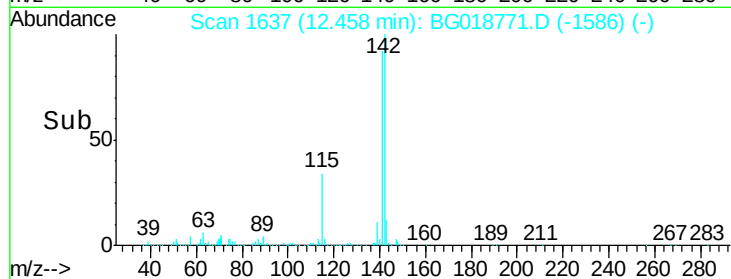
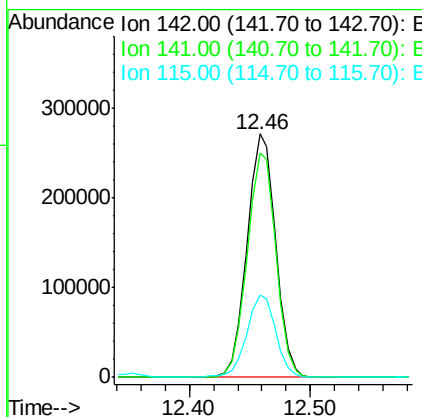
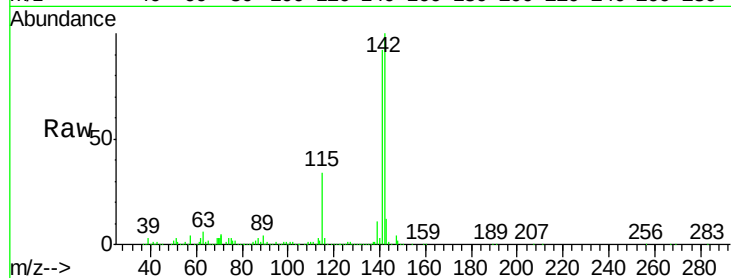




#37
2-Methylnaphthalene
Concen: 50.67 ng
RT: 12.46 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

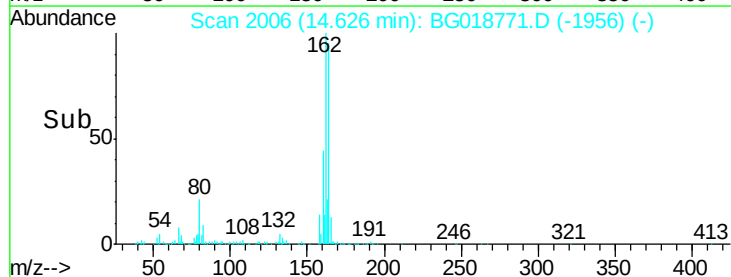
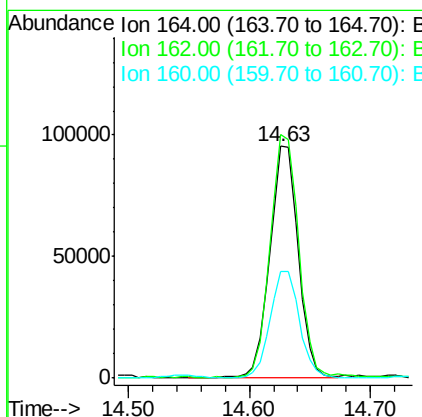
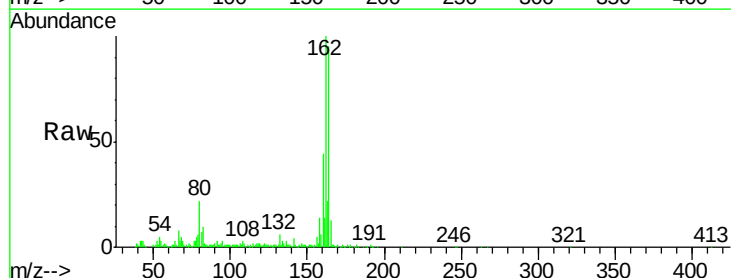
Instrument :
BNA_G
ClientSampleId :

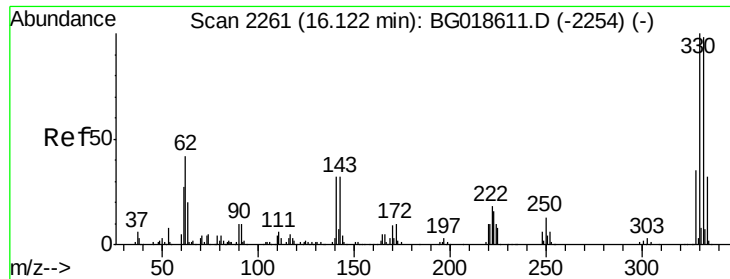
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.6	112.0
115	33.7	27.4	41.0



#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

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

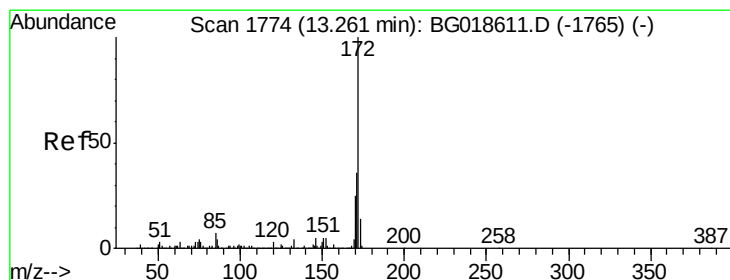
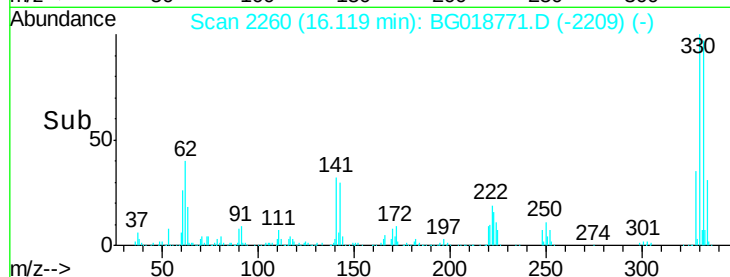
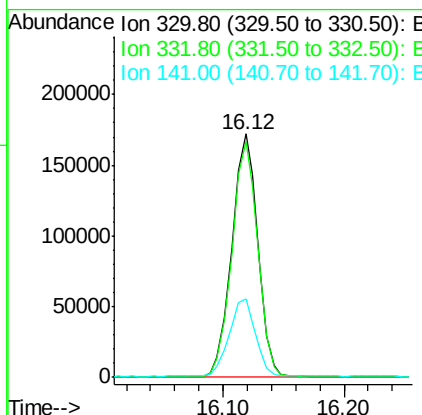
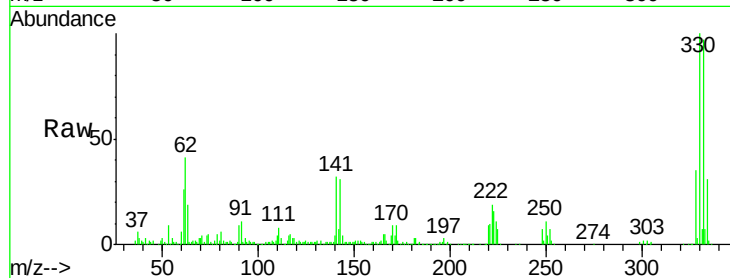




#41
 2,4,6-Tribromophenol
 Concen: 124.52 ng
 RT: 16.12 min Scan# 2260
 Delta R.T. -0.00 min
 Lab File: BG018771.D
 Acq: 18 Sep 2015 16:33

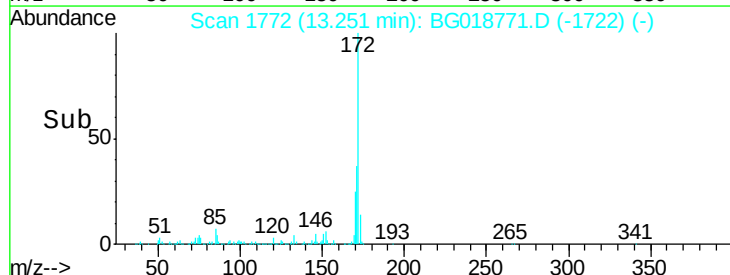
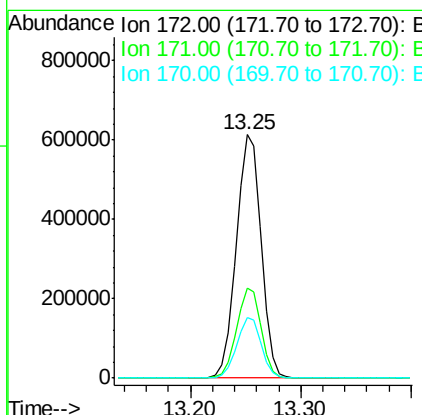
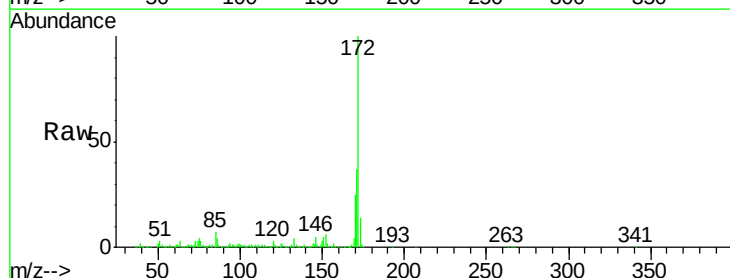
Instrument :
 BNA_G
 ClientSampleId :

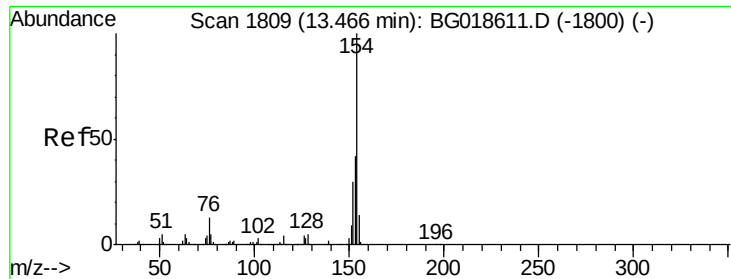
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.1	117.1
141	32.1	28.2	42.2



#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

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

Instrument :

BNA_G

ClientSampleId :

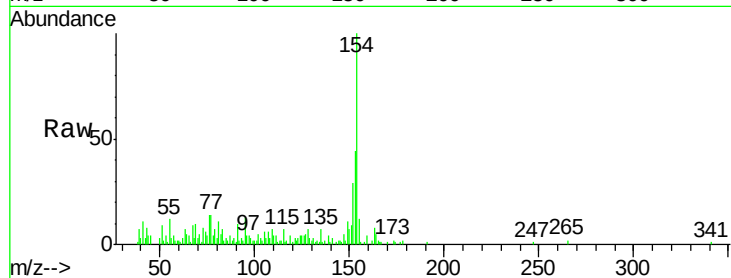
Tot Ion:154 Resp: 30869

Ion Ratio Lower Upper

154 100

153 44.2 21.9 61.9

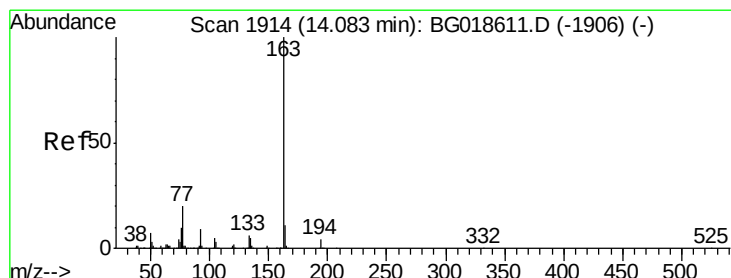
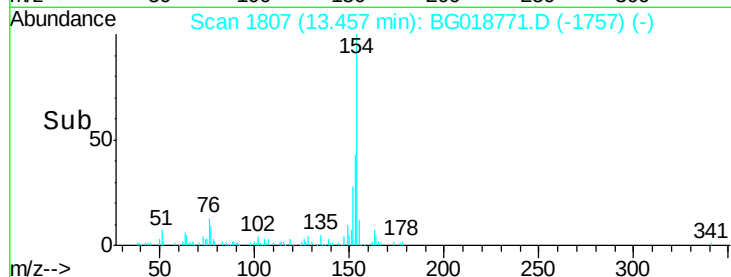
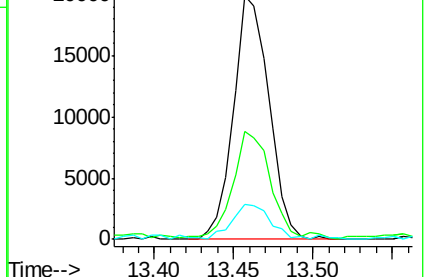
76 14.1 0.0 33.2



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): B



#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

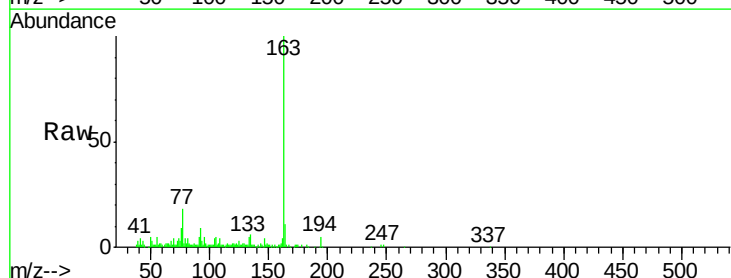
Tgt Ion:163 Resp: 72955

Ion Ratio Lower Upper

163 100

194 4.9 3.1 4.7#

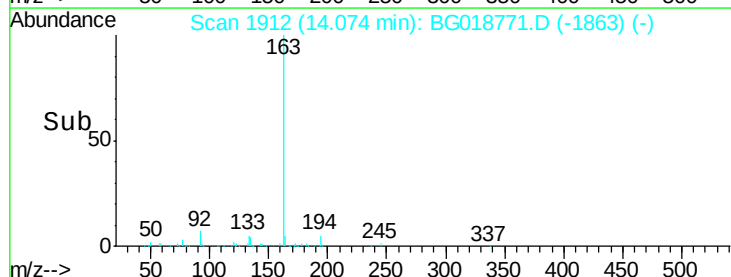
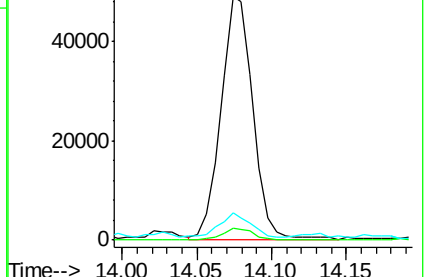
164 11.4 8.8 13.2

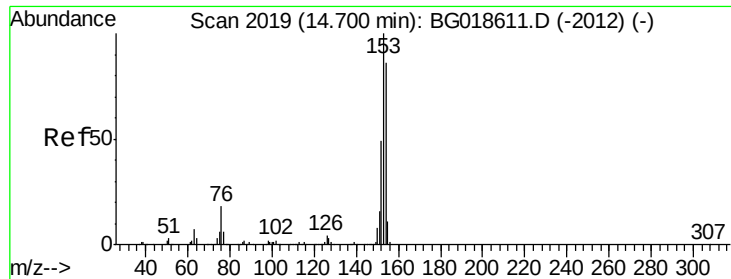


Abundance Ion 163.00 (162.70 to 163.70): E

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

Instrument :

BNA_G

ClientSampleId :

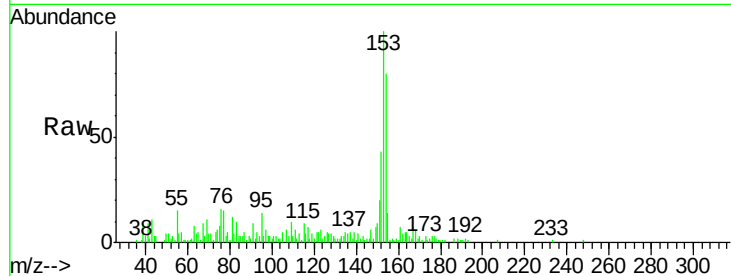
Tot Ion:154 Resp: 26189

Ion Ratio Lower Upper

154 100

153 124.4 92.9 139.3

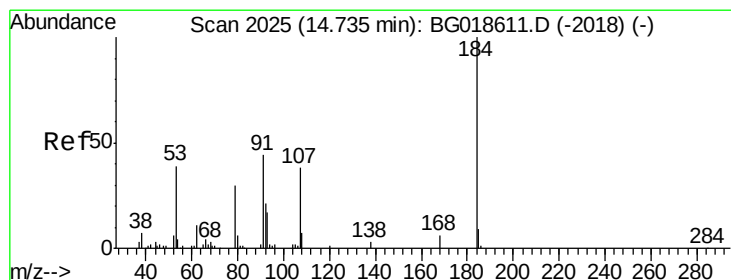
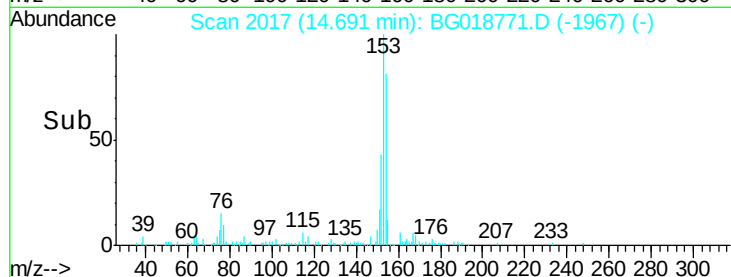
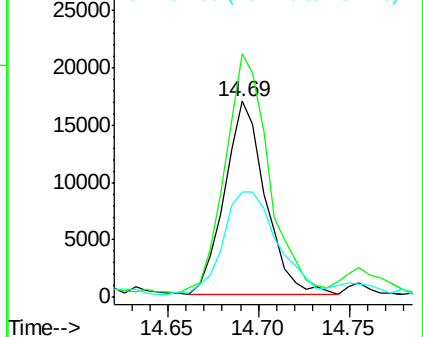
152 54.1 45.8 68.8



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



#53

2,4-Dinitrophenol

Concen: 7.69 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

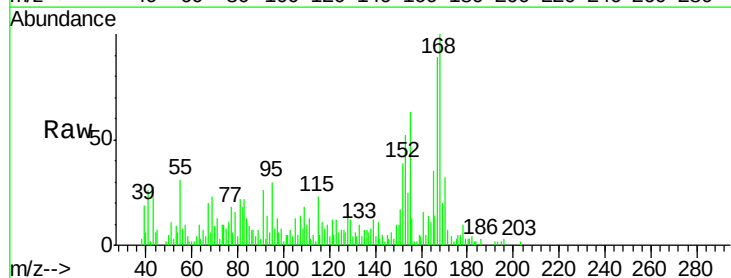
Tgt Ion:184 Resp: 67

Ion Ratio Lower Upper

184 100

63 505.3 42.7 64.1#

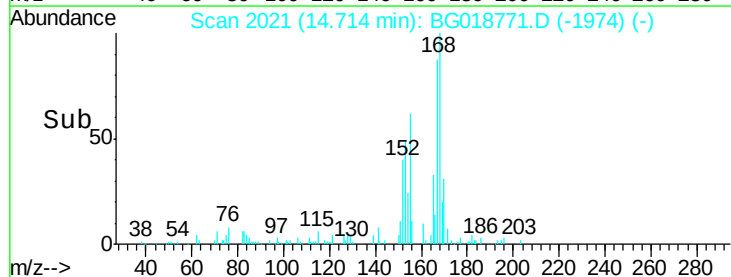
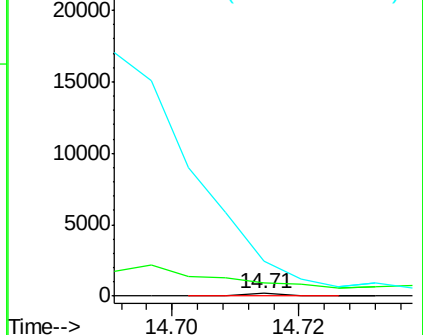
154 1283.7 44.3 66.5#

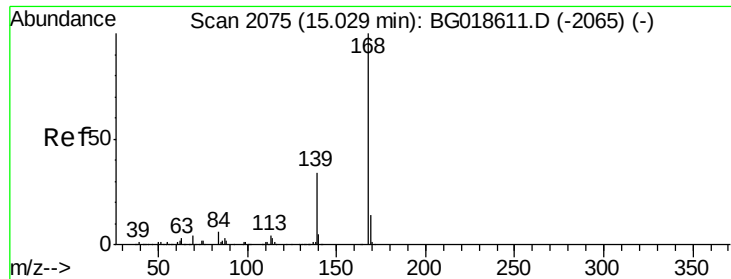


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

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 :

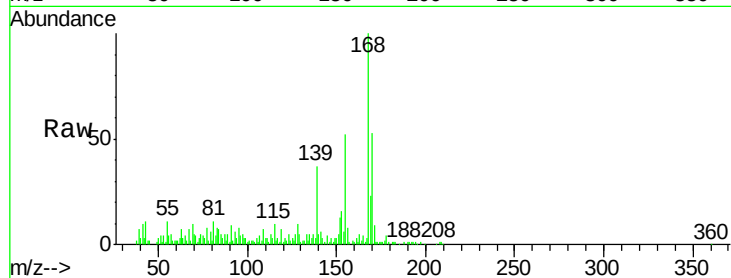
Tot Ion:168 Resp: 47463

Ion Ratio Lower Upper

168 100

139 37.2 27.4 41.0

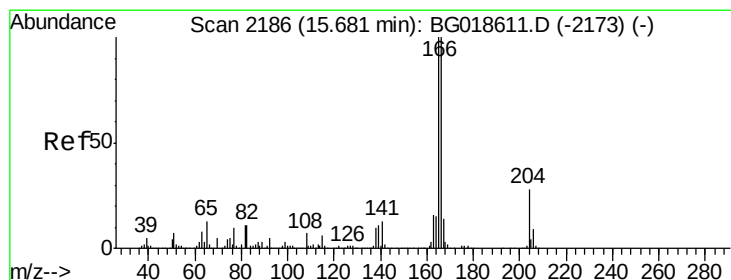
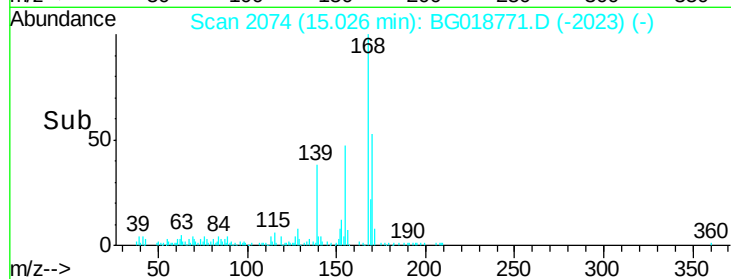
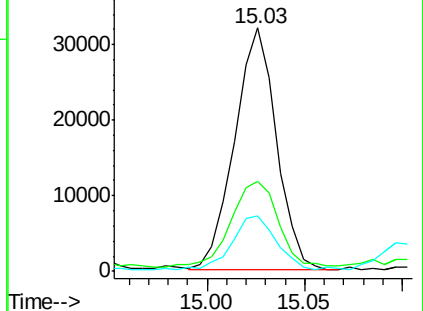
169 22.8 11.0 16.4#



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: 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

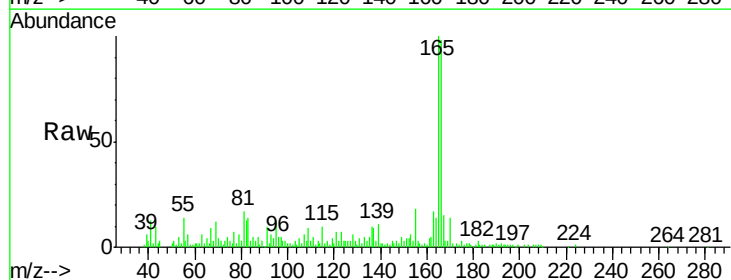
Tgt Ion:166 Resp: 54256

Ion Ratio Lower Upper

166 100

165 102.2 80.0 120.0

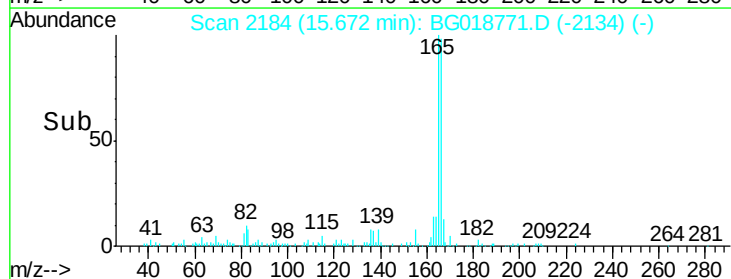
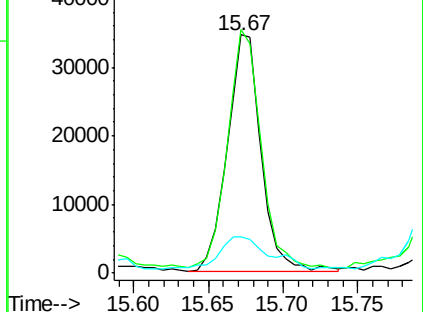
167 15.5 11.1 16.7

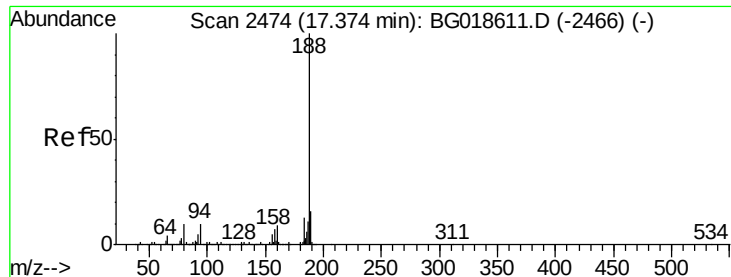


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.37 min Scan# 2473

Delta R.T. 0.00 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

Instrument :

BNA_G

ClientSampleId :

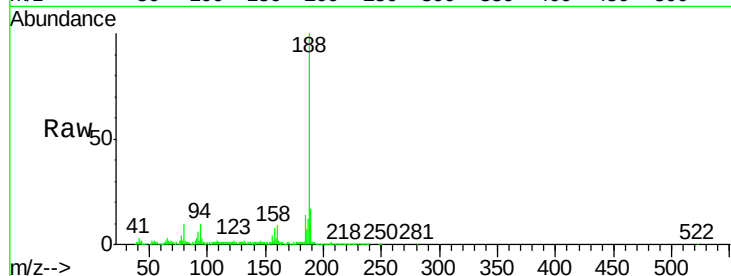
Tot Ion:188 Resp: 359481

Ion Ratio Lower Upper

188 100

94 9.9 7.7 11.5

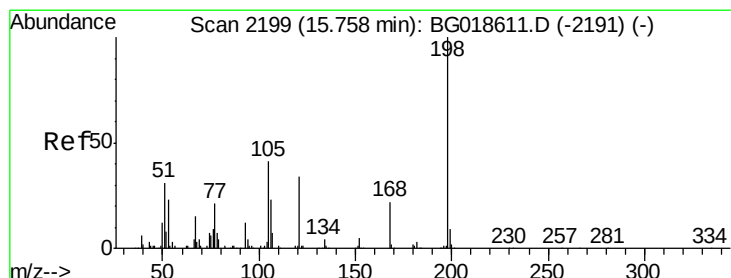
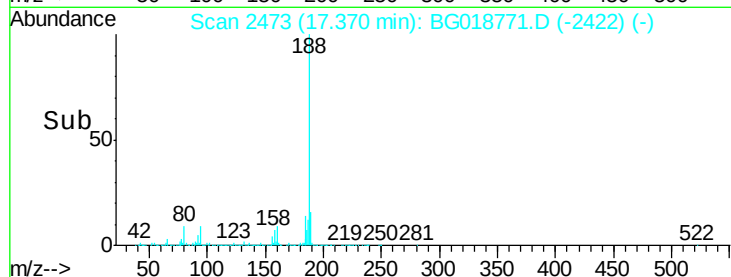
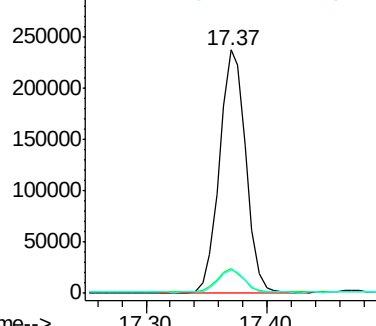
80 9.7 7.8 11.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.55 ng

RT: 15.77 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

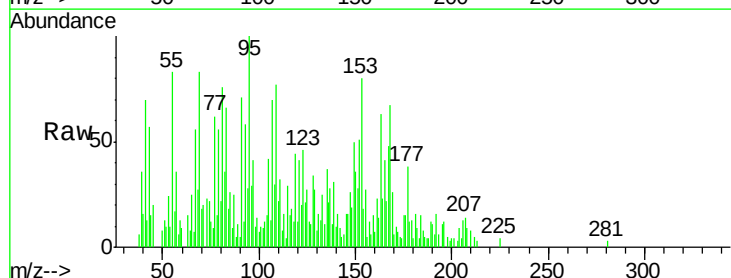
Tgt Ion:198 Resp: 331

Ion Ratio Lower Upper

198 100

51 249.6 14.2 54.2#

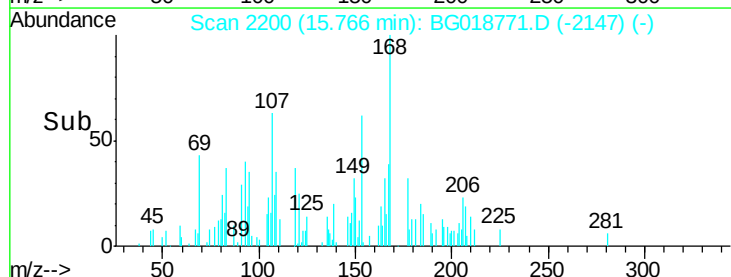
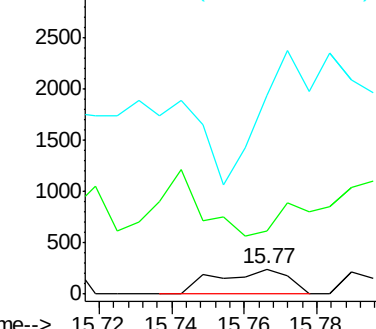
105 795.1 21.1 61.1#

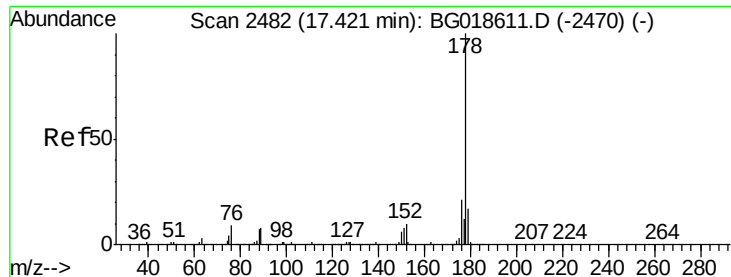


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#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

Instrument :

BNA_G

ClientSampleId :

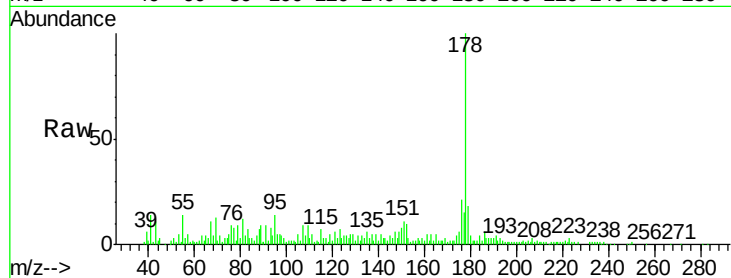
Tot Ion:178 Resp: 68973

Ion Ratio Lower Upper

178 100

176 20.8 16.7 25.1

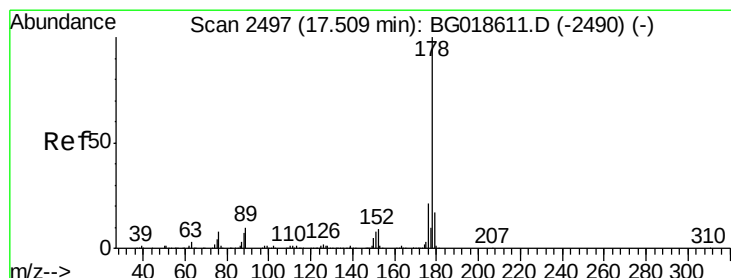
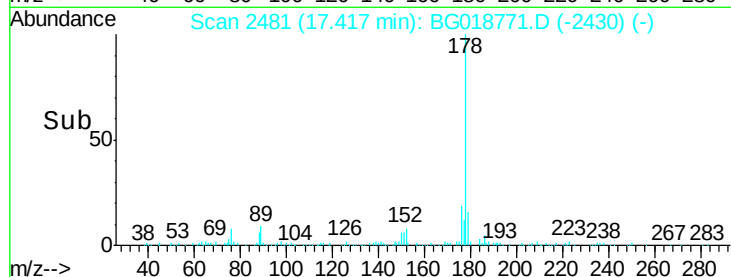
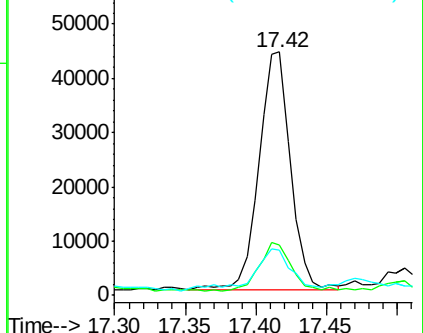
179 18.4 13.9 20.9



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



#71

Anthracene

Concen: 3.60 ng

RT: 17.42 min Scan# 2481

Delta R.T. -0.09 min

Lab File: BG018771.D

Acq: 18 Sep 2015 16:33

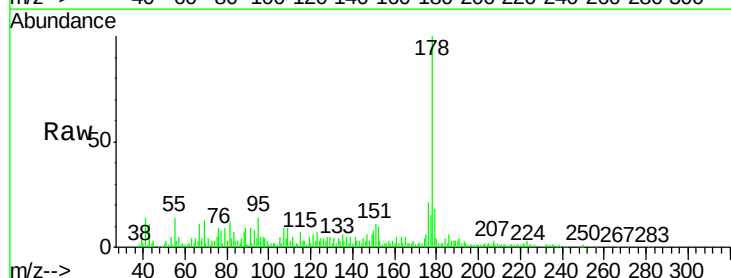
Tgt Ion:178 Resp: 68973

Ion Ratio Lower Upper

178 100

176 20.8 16.8 25.2

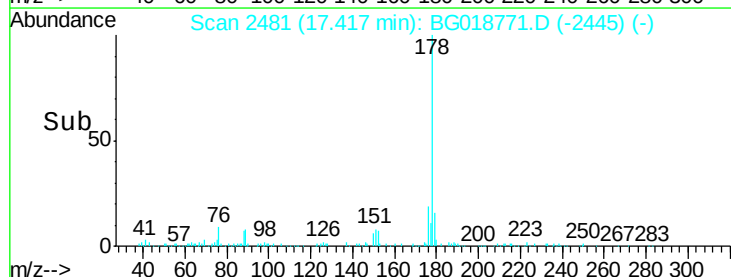
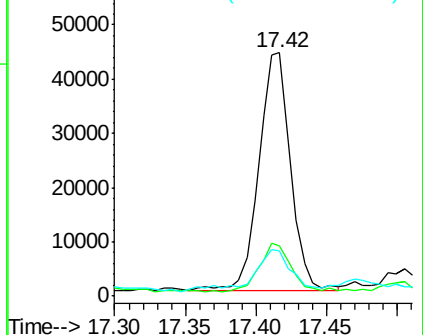
179 18.4 13.9 20.9

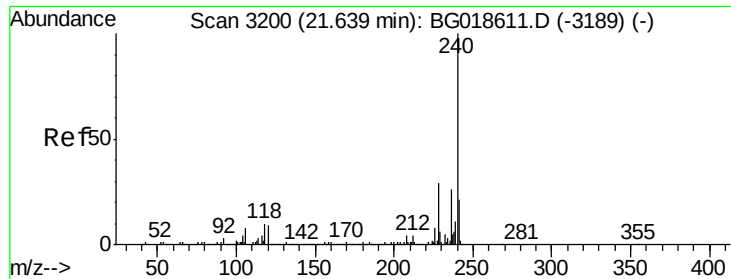


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#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 :

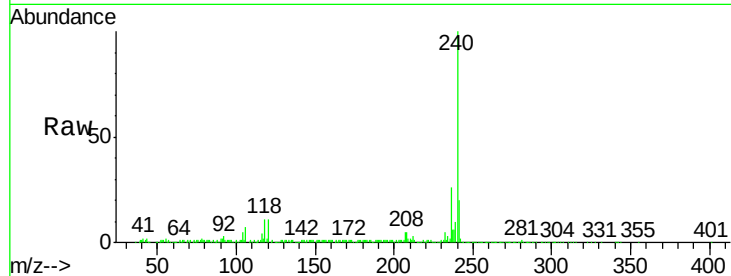
Tot Ion:240 Resp: 360450

Ion Ratio Lower Upper

240 100

120 10.7 7.4 11.0

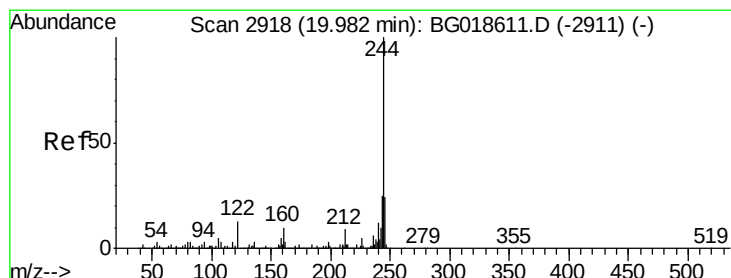
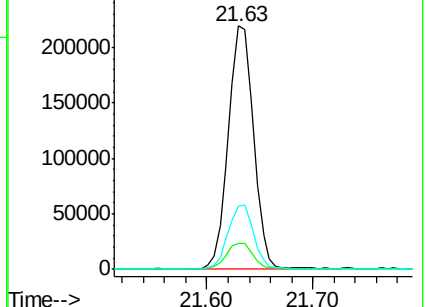
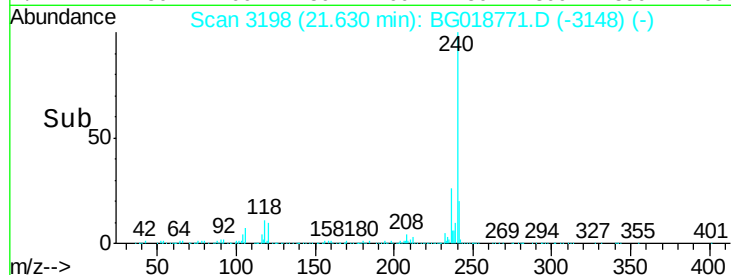
236 25.9 20.7 31.1



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: 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

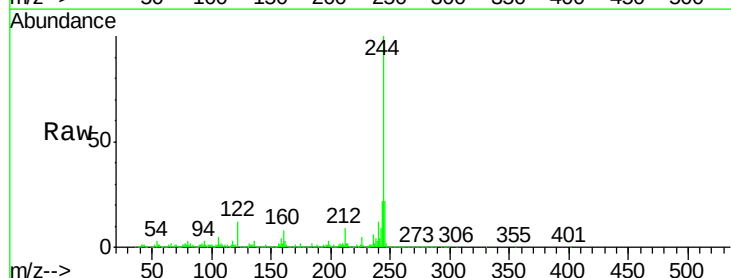
Tgt Ion:244 Resp: 1209007

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

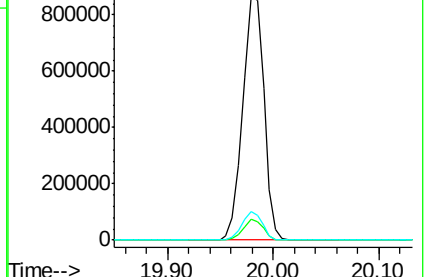
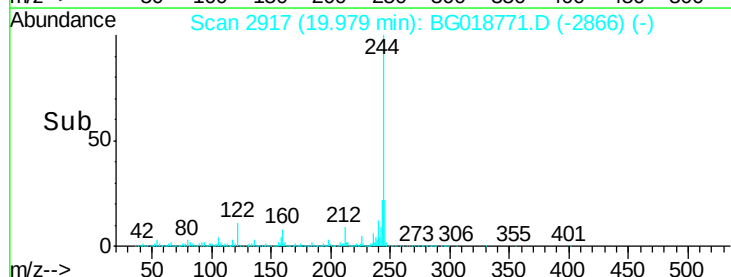
122 11.6 10.2 15.2

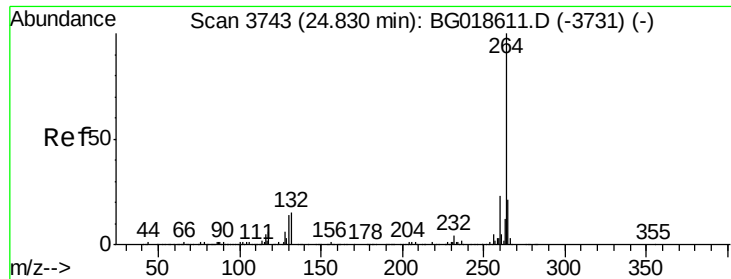


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

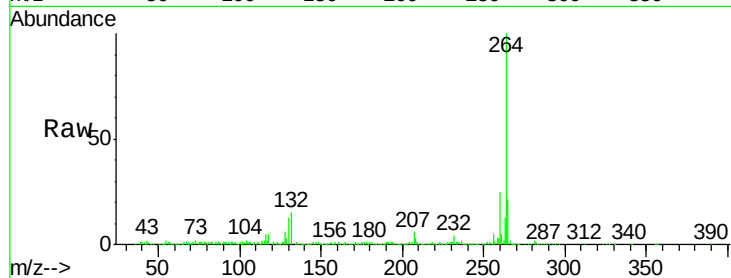




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.83 min Scan# 3742
Delta R.T. 0.01 min
Lab File: BG018771.D
Acq: 18 Sep 2015 16:33

Instrument :
BNA_G
ClientSampleId :

Tot 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

