

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091915\
 Data File : BG018770.D
 Acq On : 18 Sep 2015 15:55
 Operator : TP
 Sample : G3706-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 18 23:57:00 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

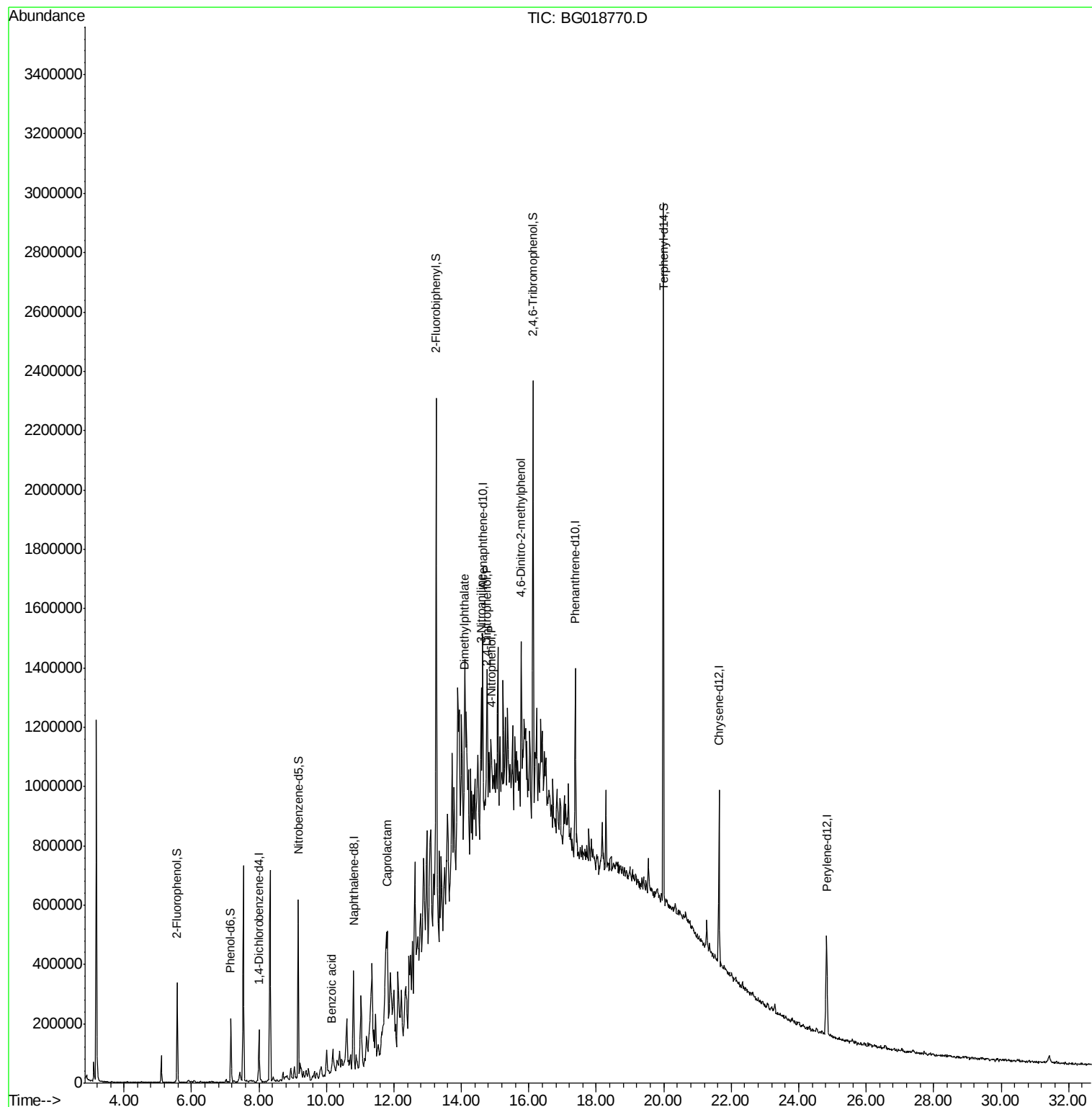
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	55876	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	242704	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	165099	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	344132	20.00	ng	0.00
75) Chrysene-d12	21.64	240	359270	20.00	ng	0.00
86) Perylene-d12	24.83	264	361817	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	166098	51.35	ng	0.00
7) Phenol-d6	7.16	99	149731	32.28	ng	0.00
23) Nitrobenzene-d5	9.16	82	387271	89.29	ng	0.00
41) 2,4,6-Tribromophenol	16.12	330	278184	125.14	ng	0.00
44) 2-Fluorobiphenyl	13.26	172	1007841	84.74	ng	0.00
78) Terphenyl-d14	19.98	244	1033349	75.53	ng	0.00
Target Compounds						
32) Benzoic acid	10.14	122	315	8.01	ng	# 45
35) Caprolactam	11.80	113	7342	4.33	ng	# 1
49) Dimethylphthalate	14.08	163	77046	5.64	ng	97
52) 3-Nitroaniline	14.59	138	70279	19.80	ng	# 5
53) 2,4-Dinitrophenol	14.74	184	618	8.02	ng	# 1
55) 4-Nitrophenol	14.89	139	5589	2.04	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.77	198	207	5.50	ng	# 1

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

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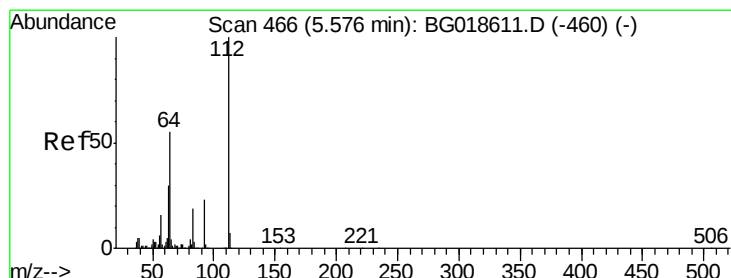
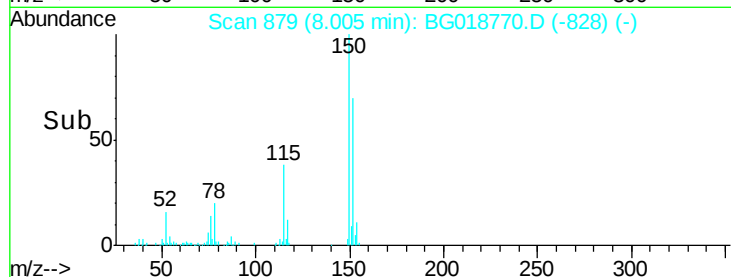
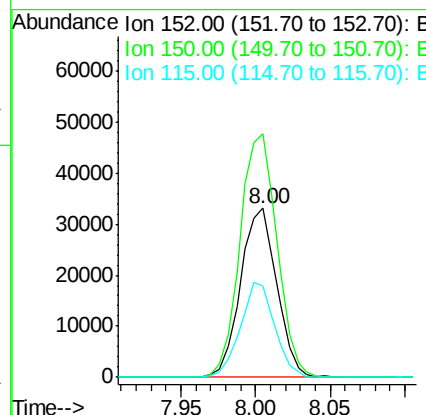
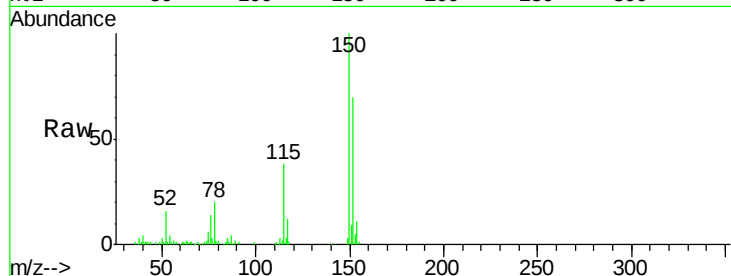


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.00 min Scan# 879
Delta R.T. 0.00 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

Instrument :
BNA_G
ClientSampleId :

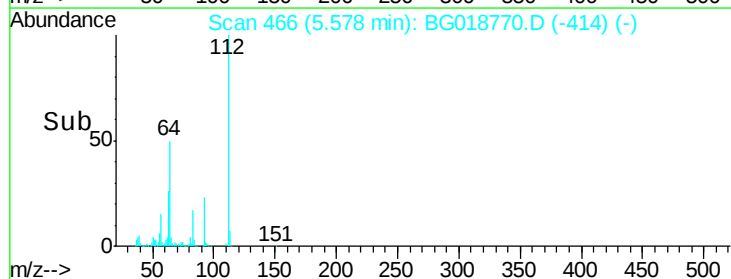
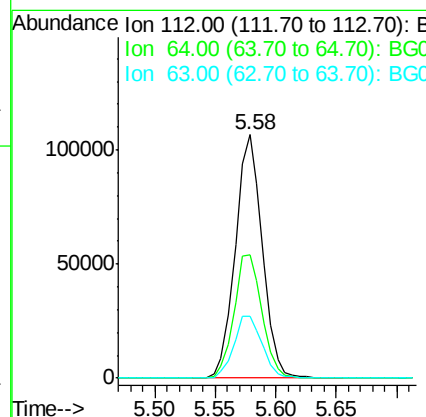
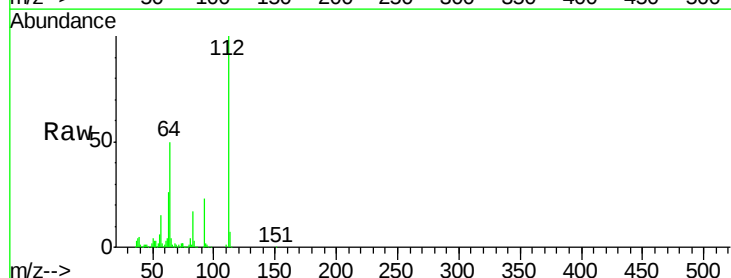
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.9	115.0	172.4
115	54.1	43.9	65.9

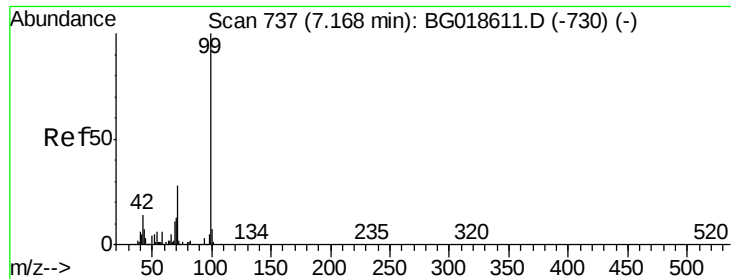


#5

2-Fluorophenol
Concen: 51.35 ng
RT: 5.58 min Scan# 466
Delta R.T. 0.01 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	43.7	65.5
63	25.7	24.0	36.0





#7

Phenol-d6

Concen: 32.28 ng

RT: 7.16 min Scan# 736

Delta R.T. -0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Instrument :

BNA_G

ClientSampleId :

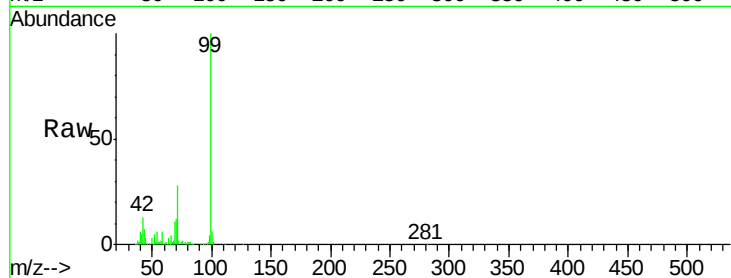
Tot Ion: 99 Resp: 149731

Ion Ratio Lower Upper

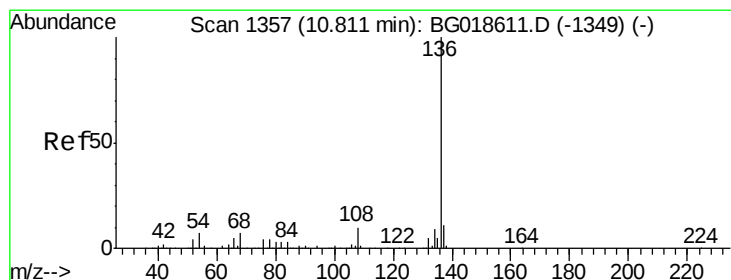
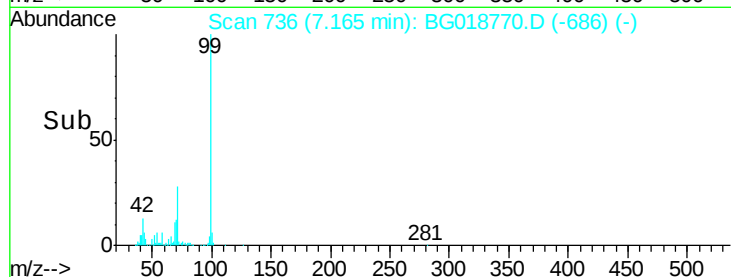
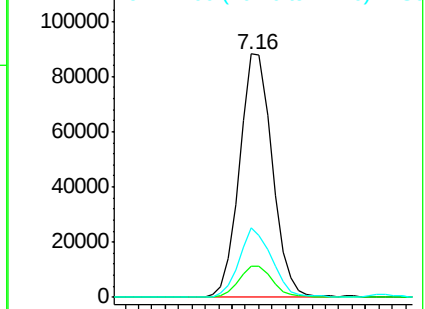
99 100

42 12.6 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.80 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Tgt Ion: 136 Resp: 242704

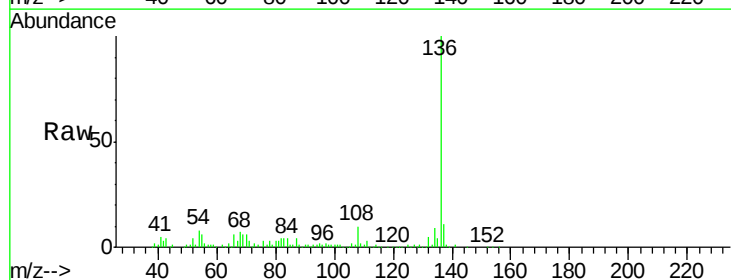
Ion Ratio Lower Upper

136 100

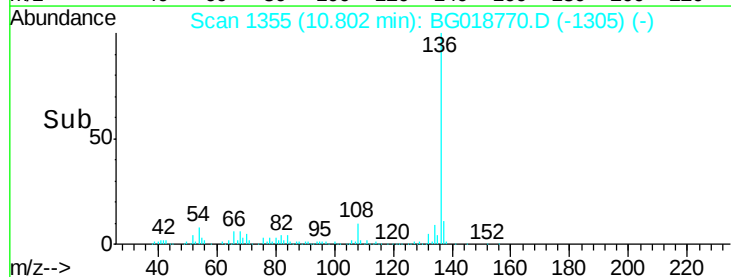
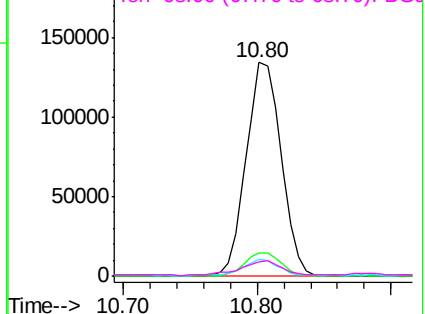
137 10.8 8.6 12.8

54 8.0 5.4 8.2

68 6.6 5.3 7.9



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

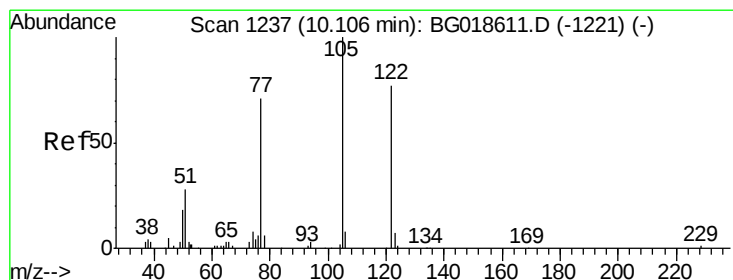
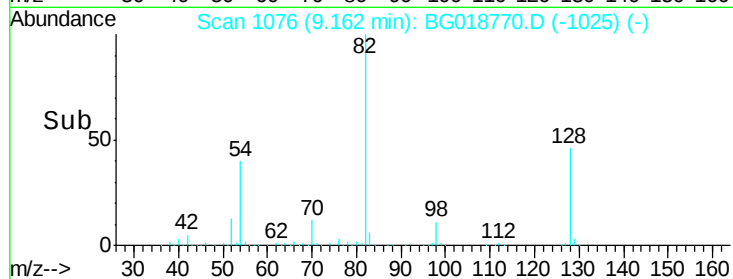
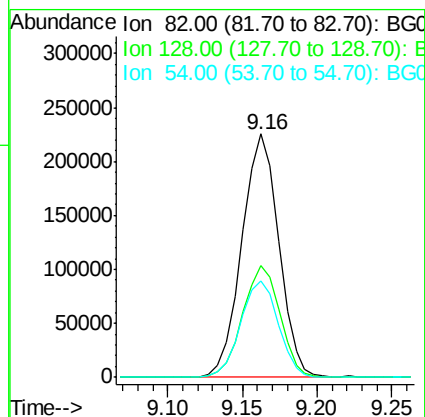
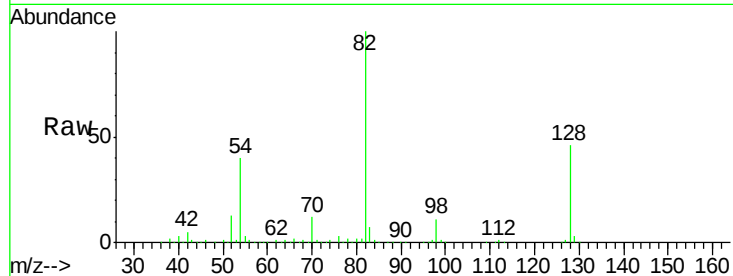




#23
Nitrobenzene-d5
Concen: 89.29 ng
RT: 9.16 min Scan# 1076
Delta R.T. 0.00 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

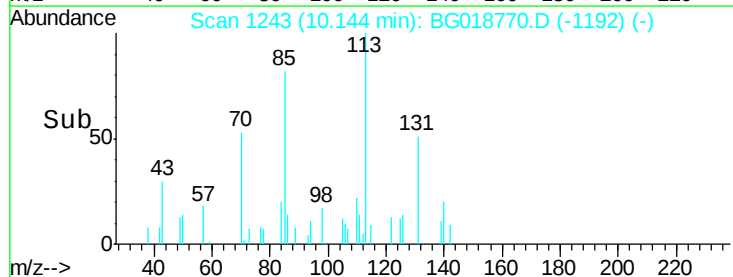
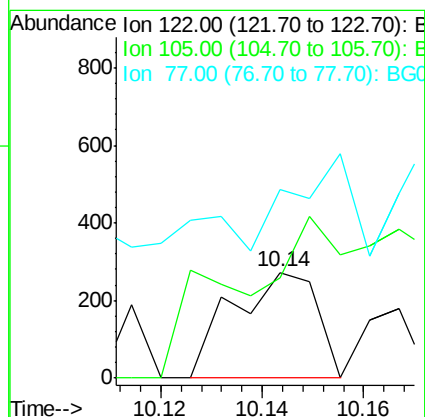
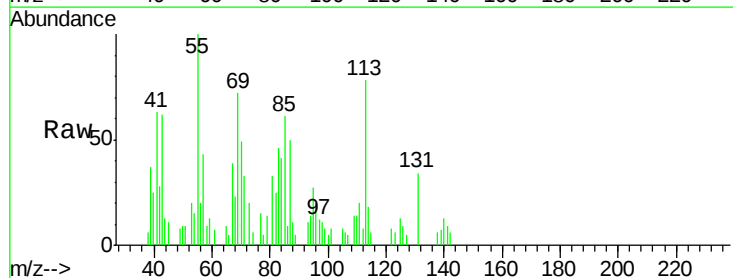
Instrument :
BNA_G
ClientSampleId :

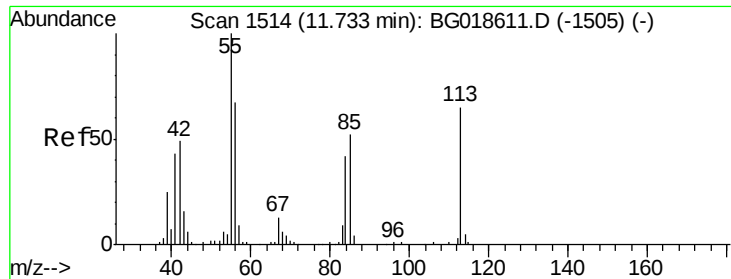
Tot Ion: 82 Resp: 387271
Ion Ratio Lower Upper
82 100
128 45.9 36.7 55.1
54 39.7 33.8 50.8



#32
Benzoic acid
Concen: 8.01 ng
RT: 10.14 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

Tgt Ion: 122 Resp: 315
Ion Ratio Lower Upper
122 100
105 95.6 103.8 143.8#
77 178.7 68.8 108.8#





#35

Caprolactam

Concen: 4.33 ng

RT: 11.80 min Scan# 1525

Delta R.T. 0.04 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Instrument :

BNA_G

ClientSampled :

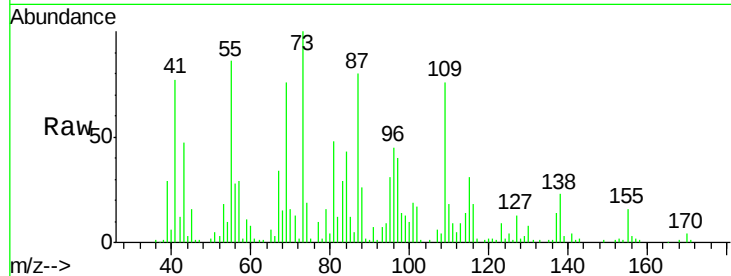
Tot Ion:113 Resp: 7342

Ion Ratio Lower Upper

113 100

55 1010.5 135.0 175.0#

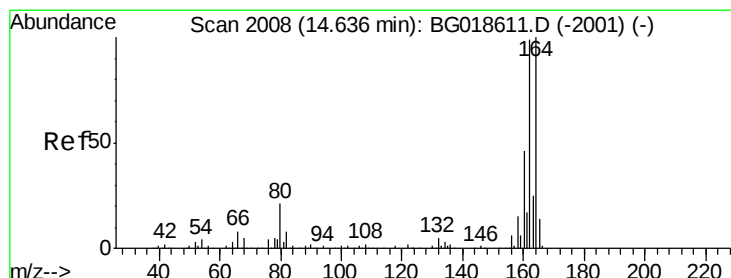
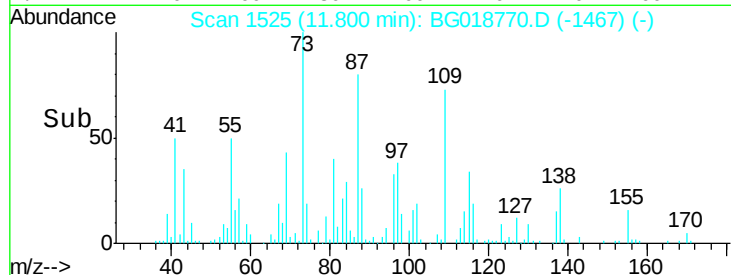
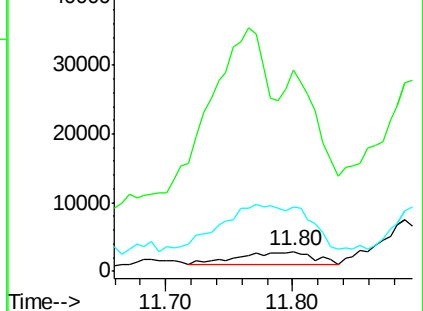
56 322.1 83.4 123.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.63 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

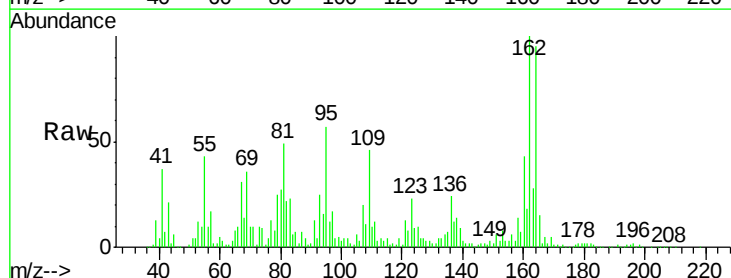
Tgt Ion:164 Resp: 165099

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

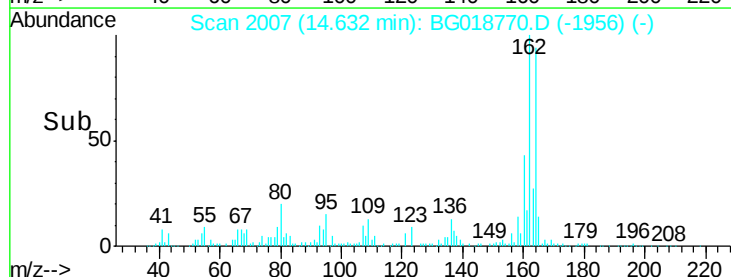
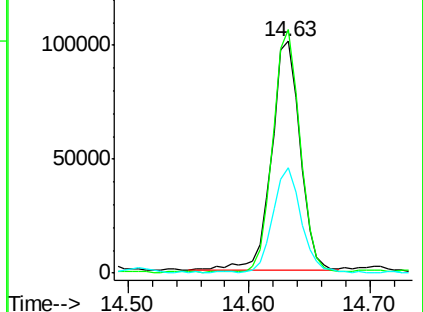
160 45.3 36.4 54.6

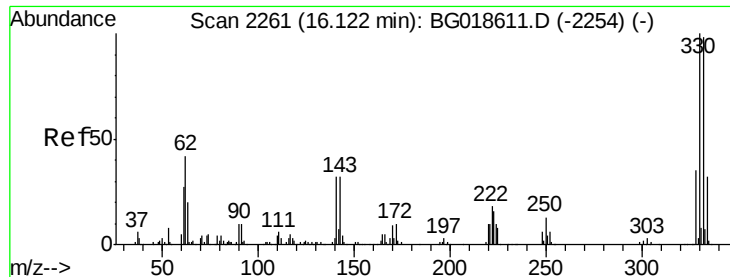


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

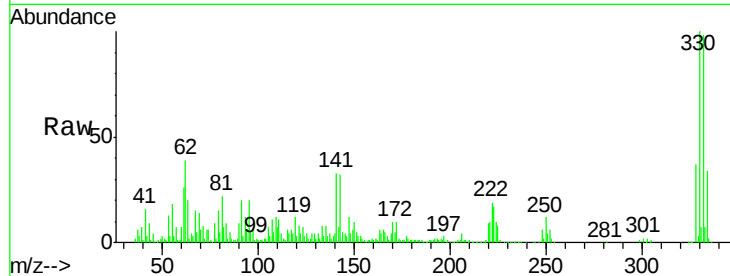




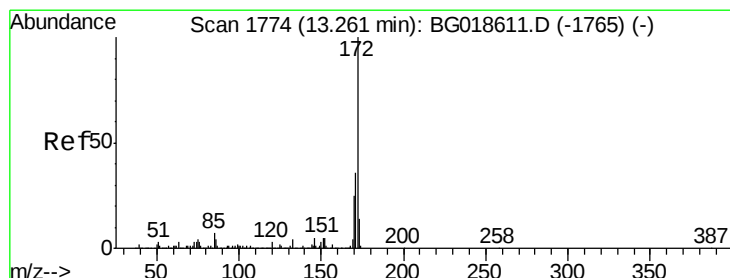
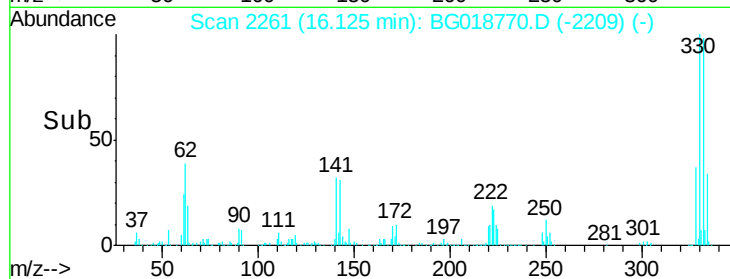
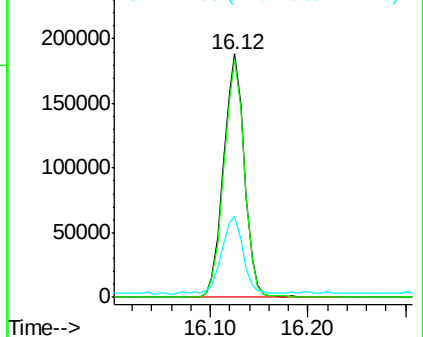
#41
 2,4,6-Tribromophenol
 Concen: 125.14 ng
 RT: 16.12 min Scan# 2261
 Delta R.T. 0.01 min
 Lab File: BG018770.D
 Acq: 18 Sep 2015 15:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.1	117.1
141	33.0	28.2	42.2

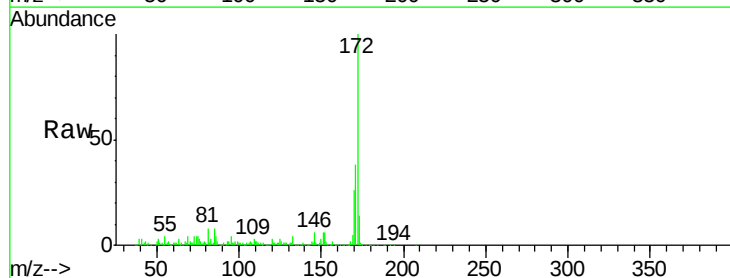


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

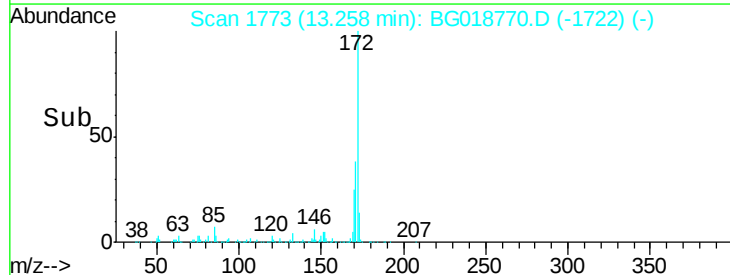
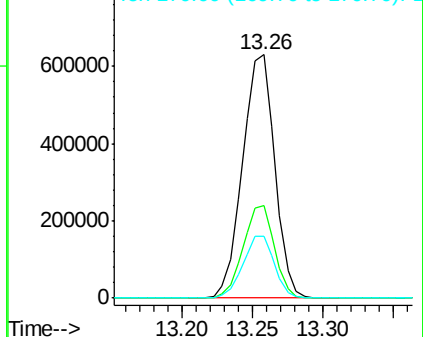


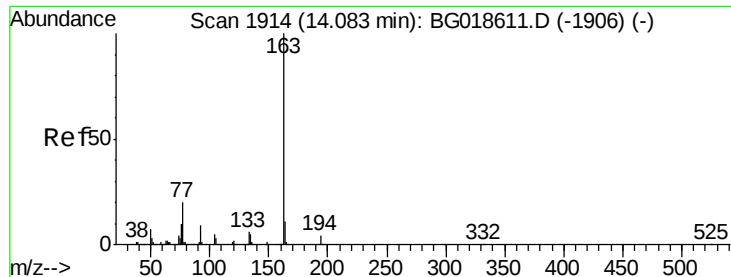
#44
 2-Fluorobiphenyl
 Concen: 84.74 ng
 RT: 13.26 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BG018770.D
 Acq: 18 Sep 2015 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.0	43.6
170	25.6	19.9	29.9



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





#49

Dimethylphthalate

Concen: 5.64 ng

RT: 14.08 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Instrument :

BNA_G

ClientSampleId :

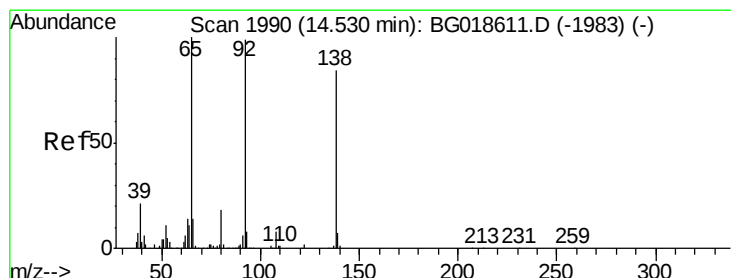
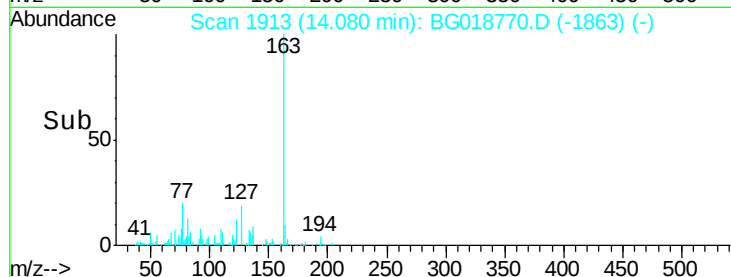
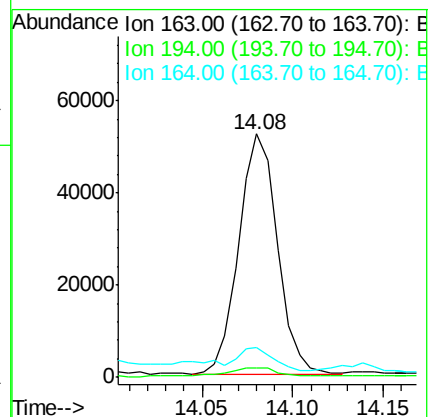
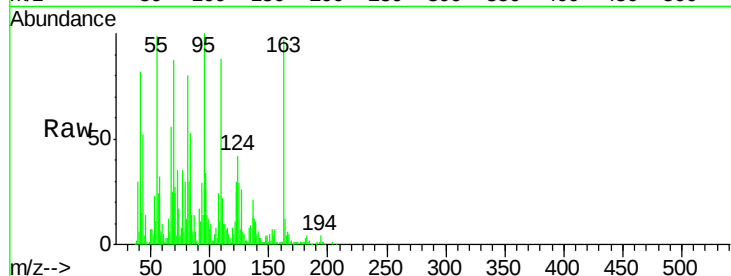
Tot Ion:163 Resp: 77046

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 12.4 8.8 13.2



#52

3-Nitroaniline

Concen: 19.80 ng

RT: 14.59 min Scan# 2000

Delta R.T. 0.06 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

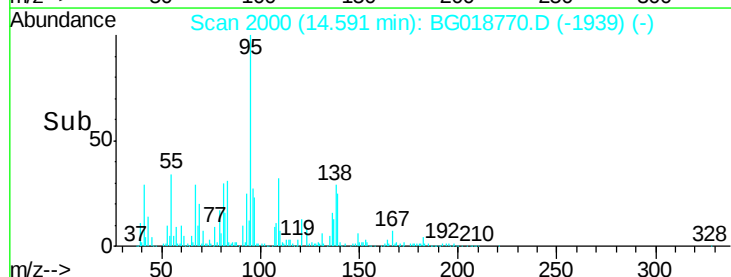
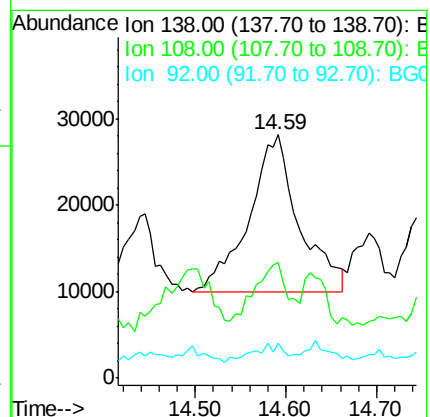
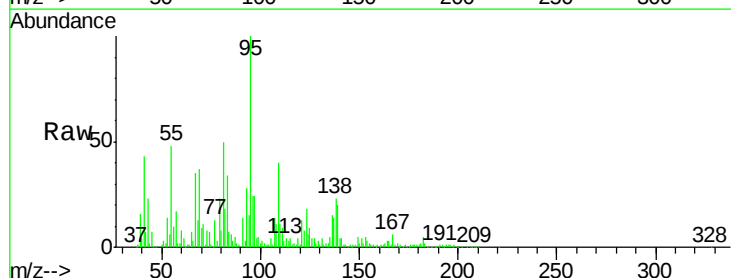
Tgt Ion:138 Resp: 70279

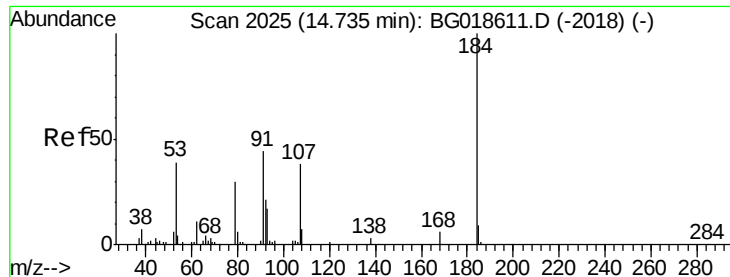
Ion Ratio Lower Upper

138 100

108 47.4 7.9 11.9#

92 14.1 94.2 141.4#

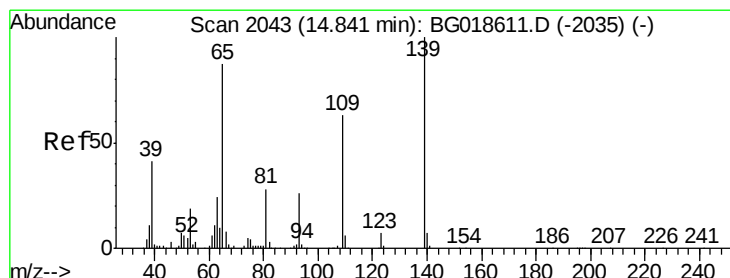
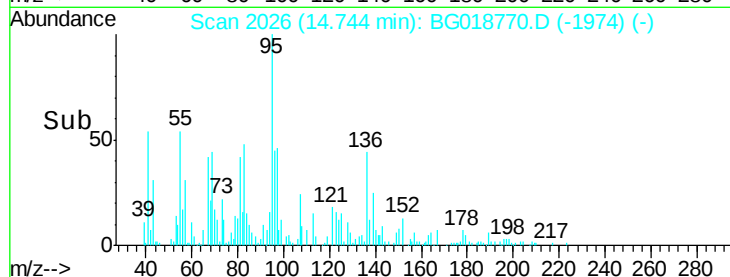
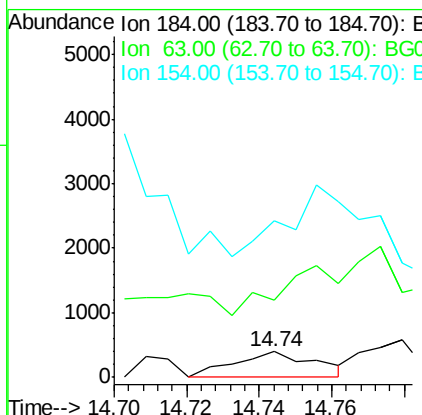
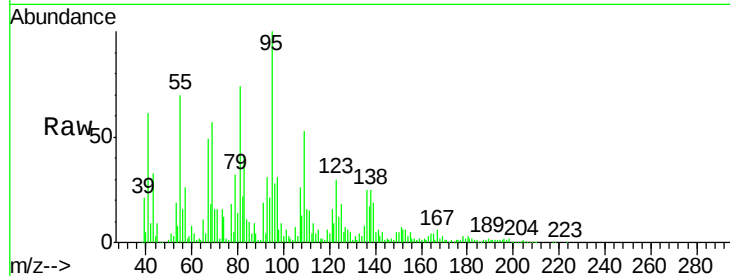




#53
2,4-Dinitrophenol
Concen: 8.02 ng
RT: 14.74 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

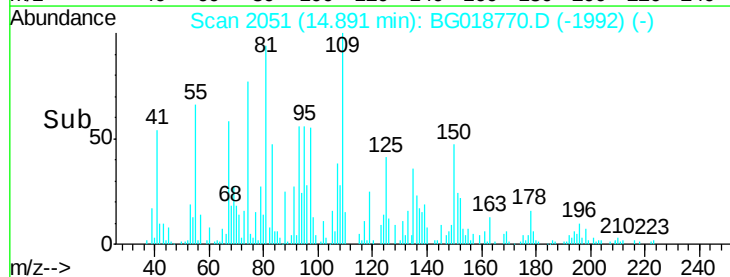
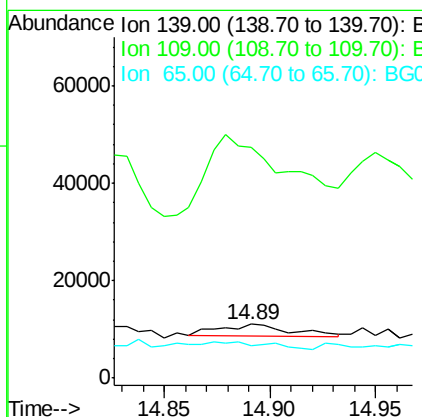
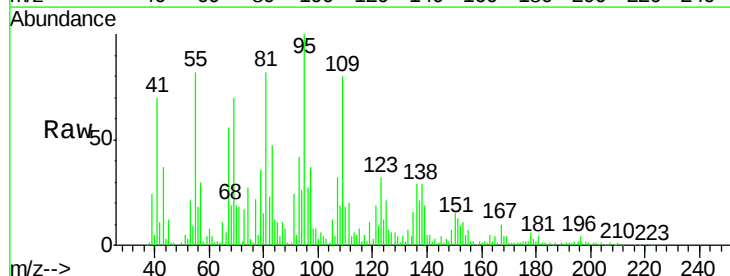
Instrument :
BNA_G
ClientSampleId :

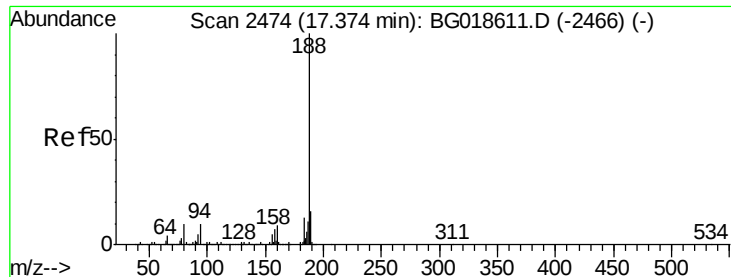
Tot Ion:184 Resp: 618
Ion Ratio Lower Upper
184 100
63 297.0 42.7 64.1#
154 605.0 44.3 66.5#



#55
4-Nitrophenol
Concen: 2.04 ng
RT: 14.89 min Scan# 2051
Delta R.T. 0.05 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

Tgt Ion:139 Resp: 5589
Ion Ratio Lower Upper
139 100
109 429.4 43.2 83.2#
65 60.8 67.8 107.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2474

Delta R.T. 0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Instrument :

BNA_G

ClientSampleId :

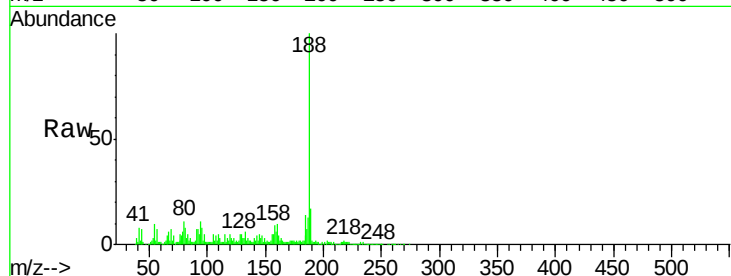
Tot Ion:188 Resp: 344132

Ion Ratio Lower Upper

188 100

94 11.3 7.7 11.5

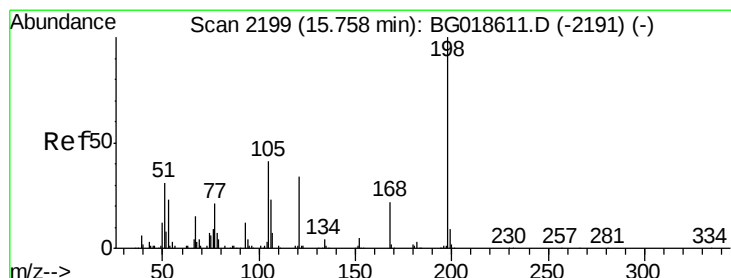
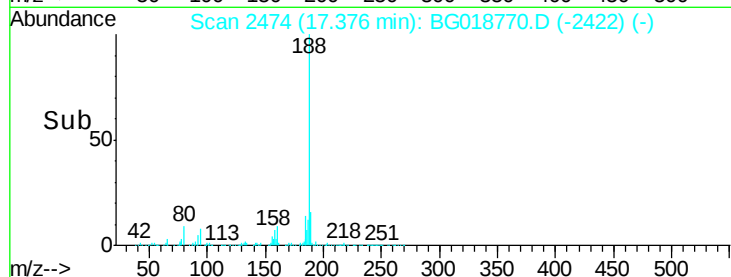
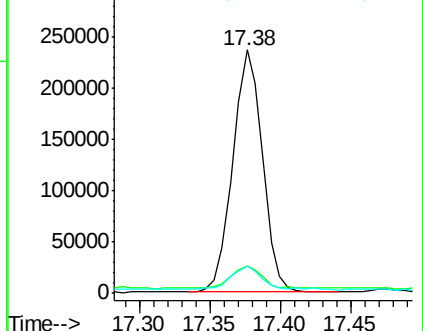
80 11.0 7.8 11.8



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: 5.50 ng

RT: 15.77 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

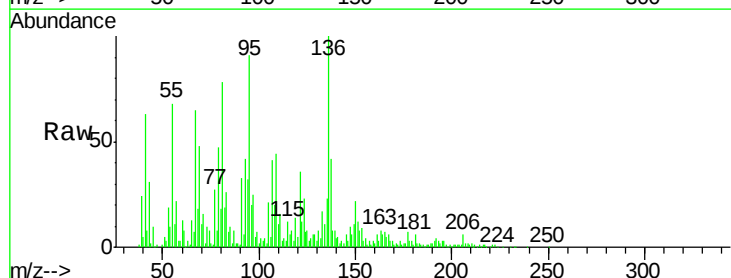
Tgt Ion:198 Resp: 207

Ion Ratio Lower Upper

198 100

51 1239.4 14.2 54.2#

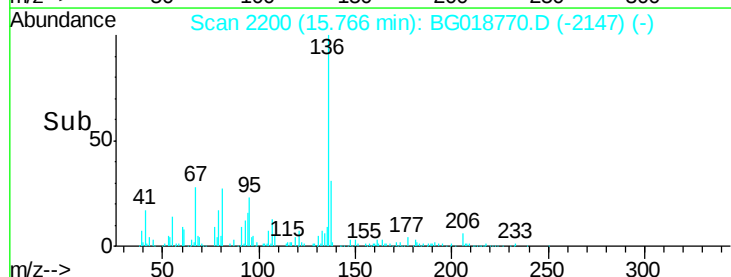
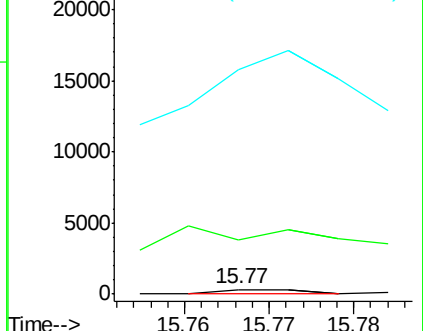
105 5130.0 21.1 61.1#

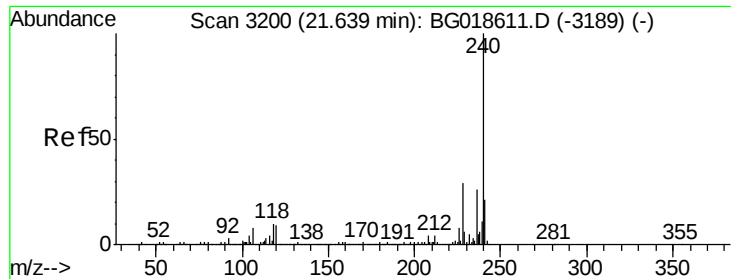


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.64 min Scan# 3199

Delta R.T. 0.00 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

Instrument :

BNA_G

ClientSampleId :

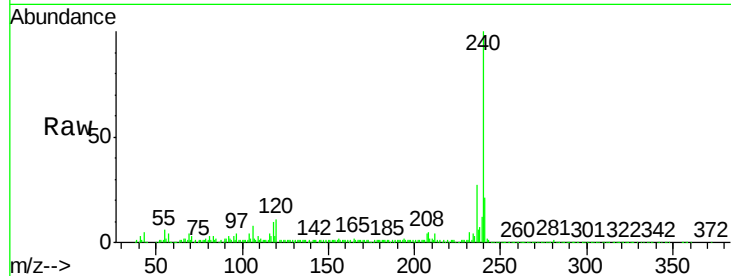
Tot Ion:240 Resp: 359270

Ion Ratio Lower Upper

240 100

120 10.6 7.4 11.0

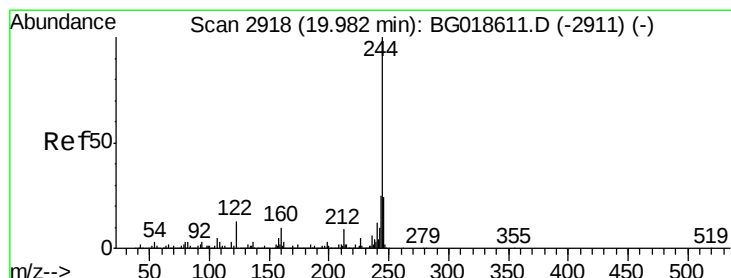
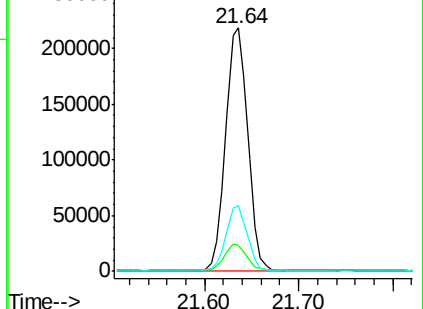
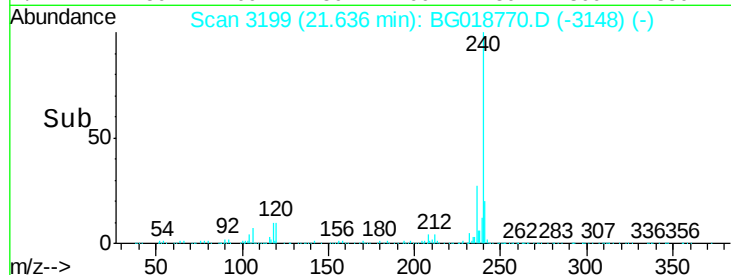
236 26.9 20.7 31.1



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: 75.53 ng

RT: 19.98 min Scan# 2918

Delta R.T. 0.01 min

Lab File: BG018770.D

Acq: 18 Sep 2015 15:55

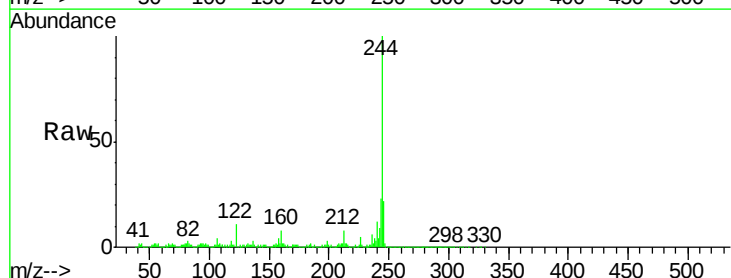
Tgt Ion:244 Resp: 1033349

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

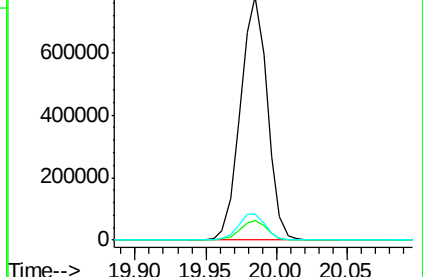
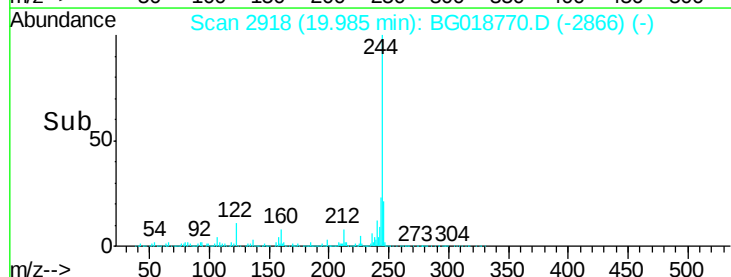
122 10.9 10.2 15.2

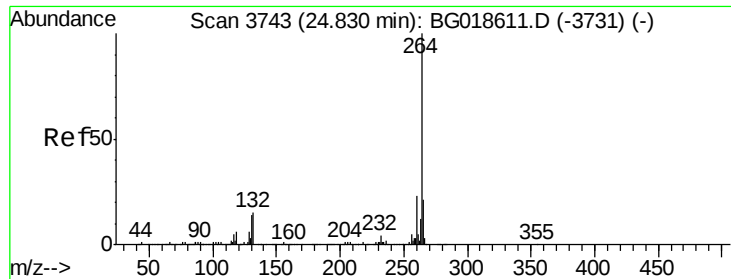


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

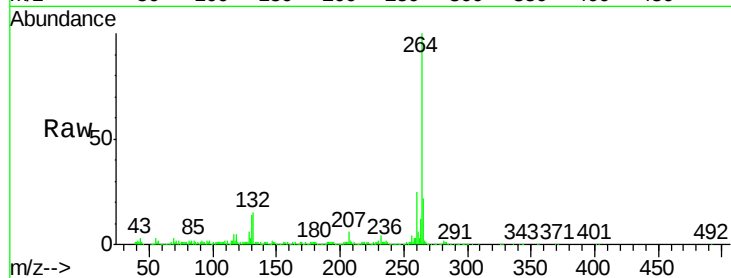




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.83 min Scan# 3742
Delta R.T. 0.01 min
Lab File: BG018770.D
Acq: 18 Sep 2015 15:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.5	27.7
265	22.4	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

