

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022318\
 Data File : BG032810.D
 Acq On : 24 Feb 2018 4:23
 Operator : SJ/JU
 Sample : J1660-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 24 05:23:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 17:04:54 2018
 Response via : Initial Calibration

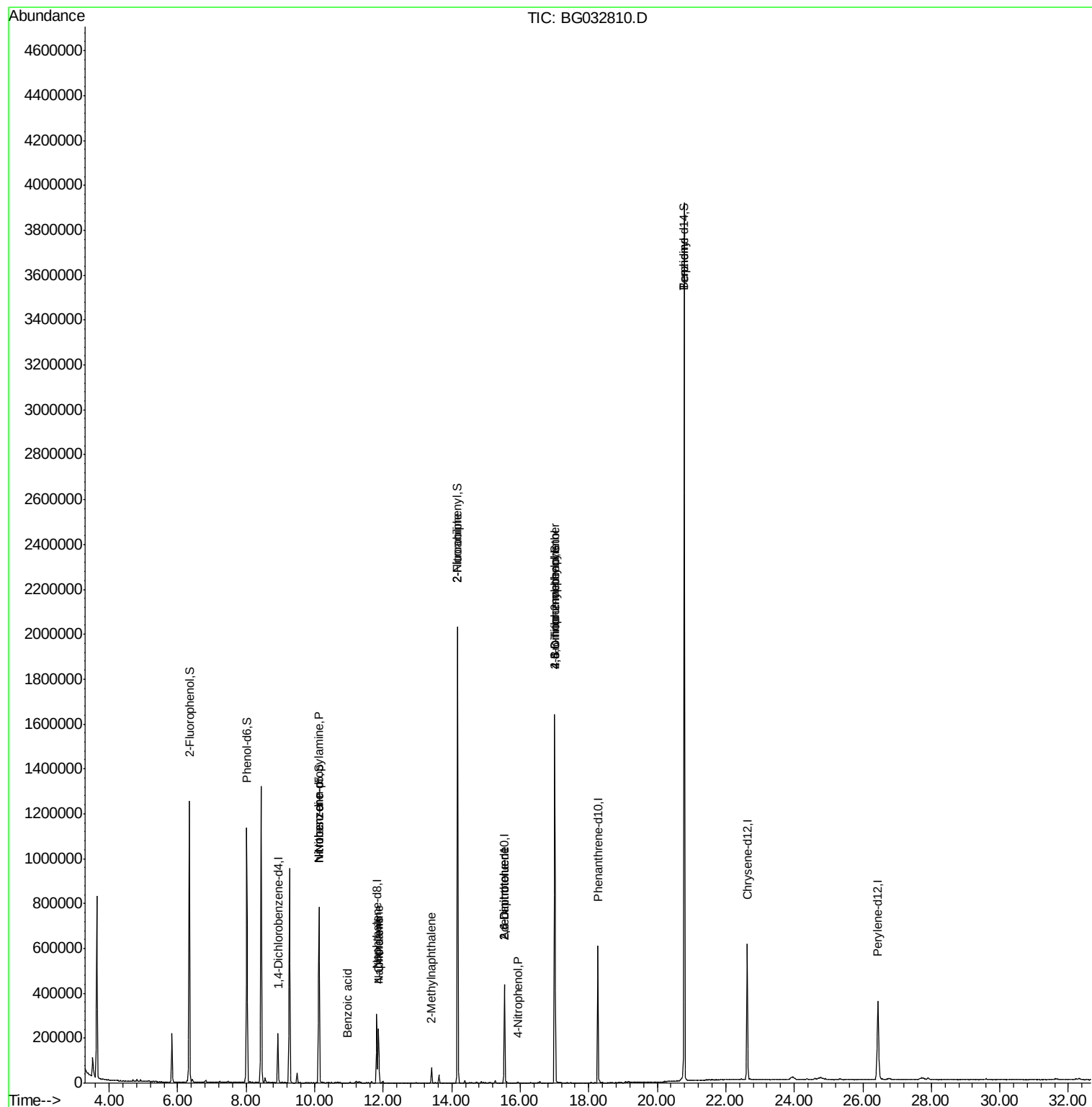
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	65999	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	279803	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	150567	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	371097	20.00	ng	0.00
75) Chrysene-d12	22.62	240	389580	20.00	ng	0.00
86) Perylene-d12	26.44	264	413801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	611972	148.35	ng	0.00
7) Phenol-d6	8.02	99	743431	129.29	ng	0.00
23) Nitrobenzene-d5	10.12	82	495944	118.57	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	292476	184.74	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1043602	99.96	ng	0.00
78) Terphenyl-d14	20.79	244	1807296	104.23	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	63884	15.74	ng	# 79
24) Nitrobenzene	10.12	77	1495	6.67	ng	# 50
31) Naphthalene	11.86	128	223075	15.26	ng	# 99
32) Benzoic acid	10.96	122	162	5.89	ng	# 49
33) 4-Chloroaniline	11.86	127	30757	4.70	ng	# 37
37) 2-Methylnaphthalene	13.41	142	33149	3.13	ng	# 91
47) 2-Nitroaniline	14.17	65	1925	10.45	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	19829	16.53	ng	# 20
55) 4-Nitrophenol	15.93	139	930	7.49	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	19829	14.73	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	779	5.84	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	21037	5.36	ng	# 1
76) Benzidine	20.79	184	31528	2.37	ng	# 94

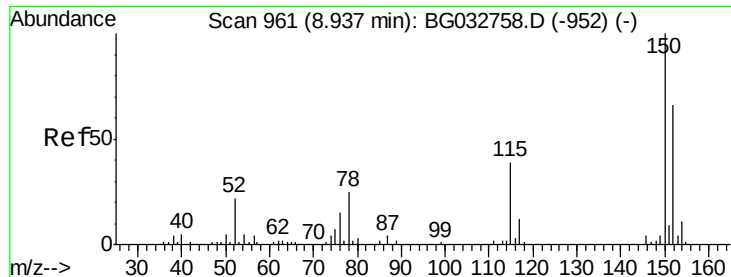
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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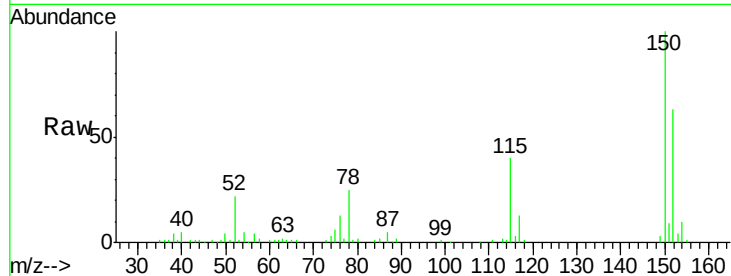


#1

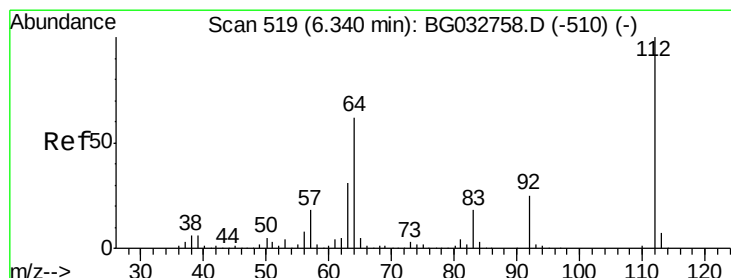
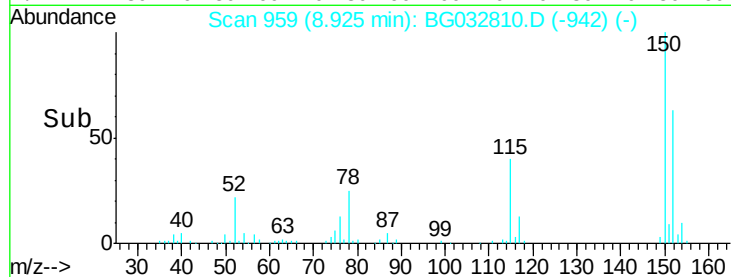
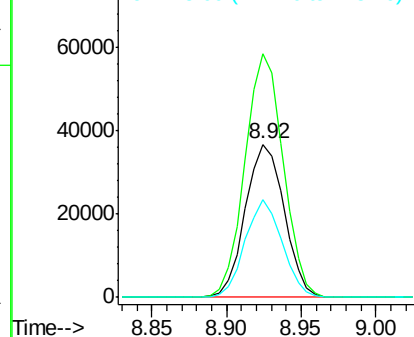
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 65999
Ion Ratio Lower Upper
152 100
150 159.3 126.6 189.8
115 64.2 53.0 79.4



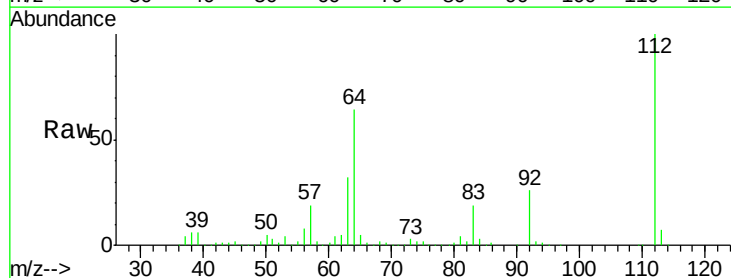
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



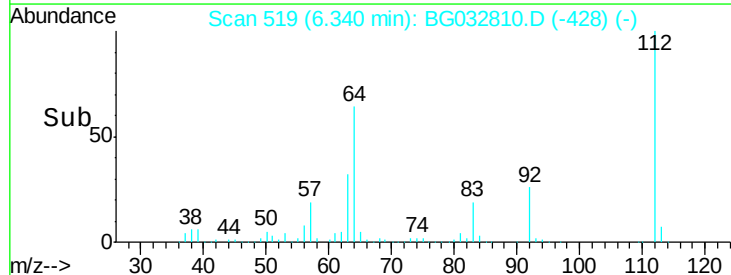
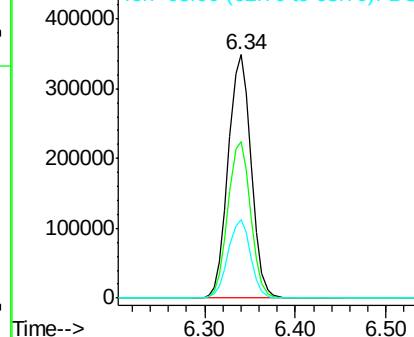
#5

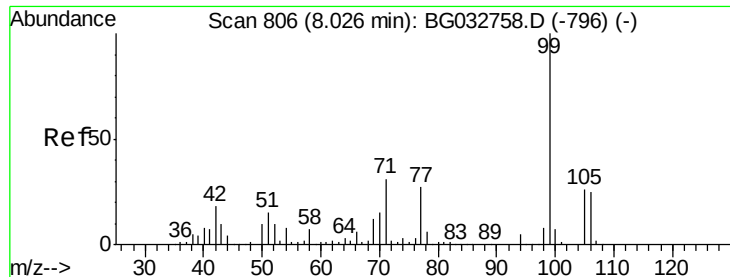
2-Fluorophenol
Concen: 148.35 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:112 Resp: 611972
Ion Ratio Lower Upper
112 100
64 64.3 56.3 84.5
63 32.3 30.1 45.1



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: 129.29 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

Instrument :

BNA_G

ClientSampled :

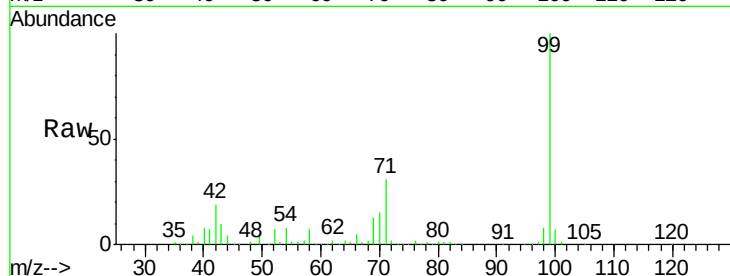
Tot Ion: 99 Resp: 743431

Ion Ratio Lower Upper

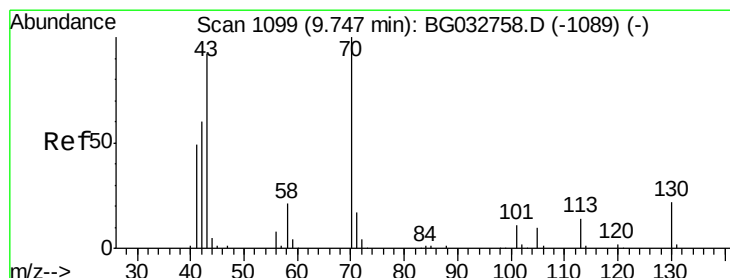
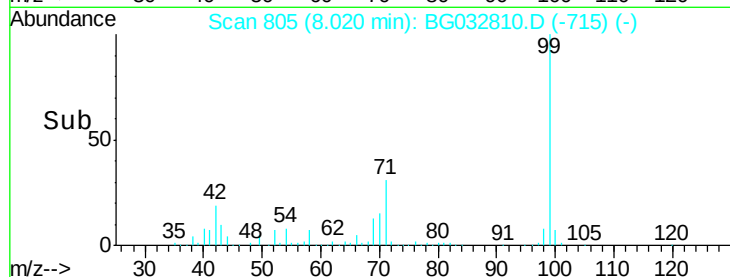
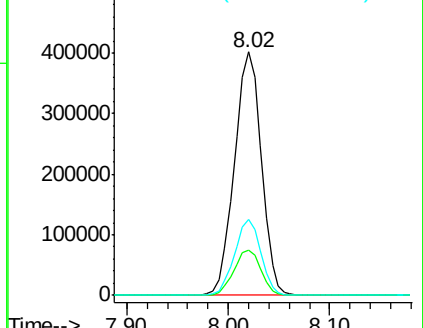
99 100

42 18.6 14.1 21.1

71 31.1 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.74 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

Tgt Ion: 70 Resp: 63884

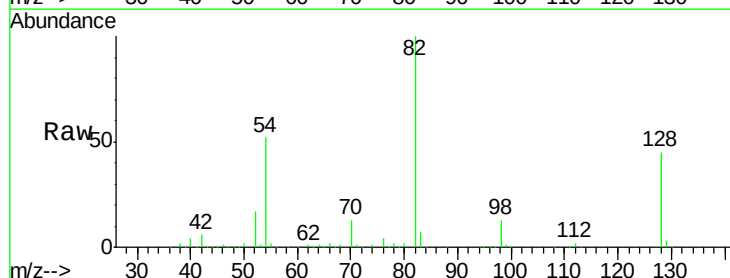
Ion Ratio Lower Upper

70 100

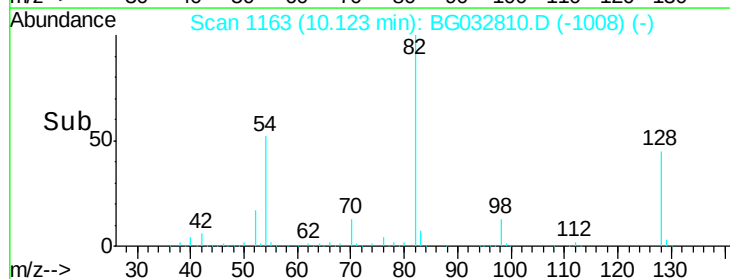
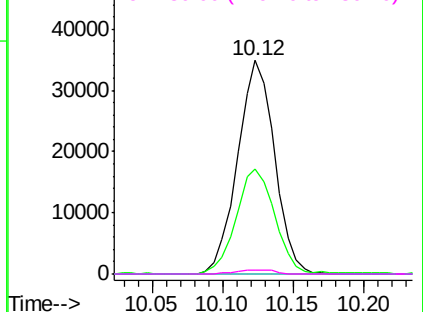
42 49.2 49.1 73.7

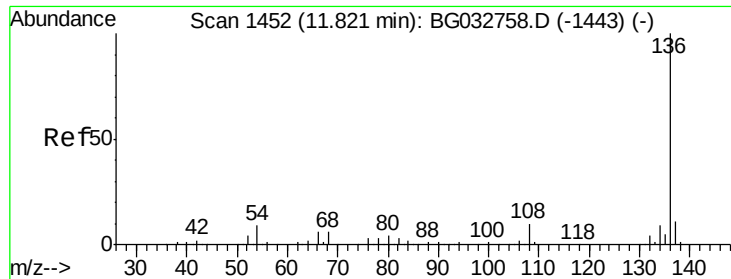
101 0.0 8.5 12.7#

130 1.6 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

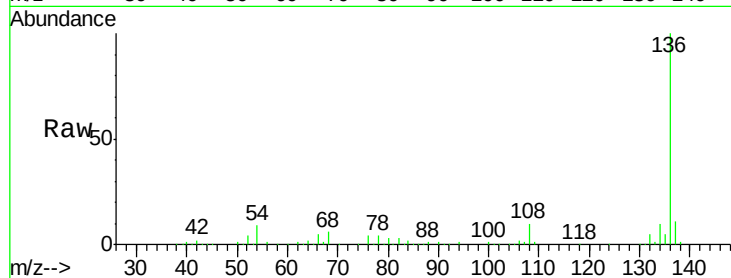




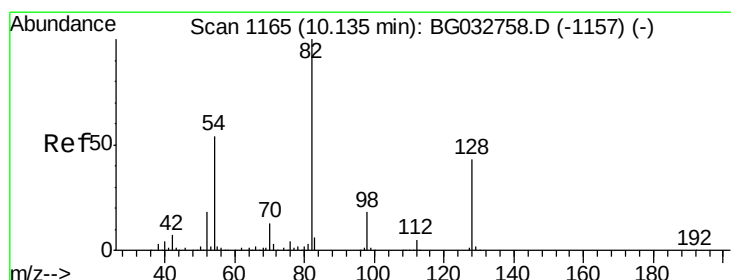
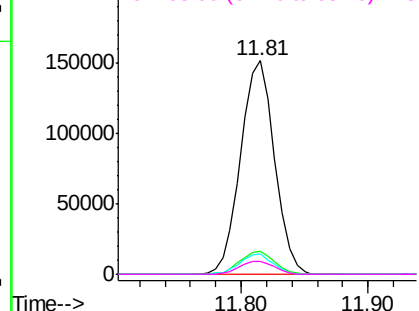
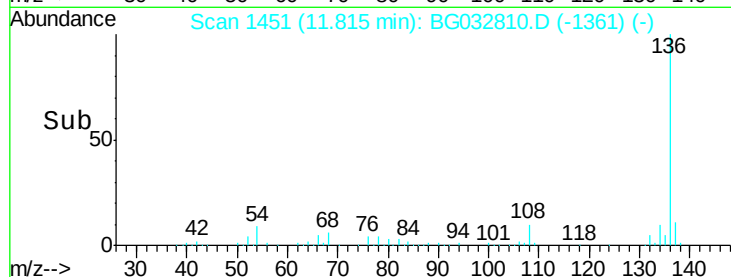
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	279803
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	9.4	10.3 15.5#
68	6.0	4.5 6.7

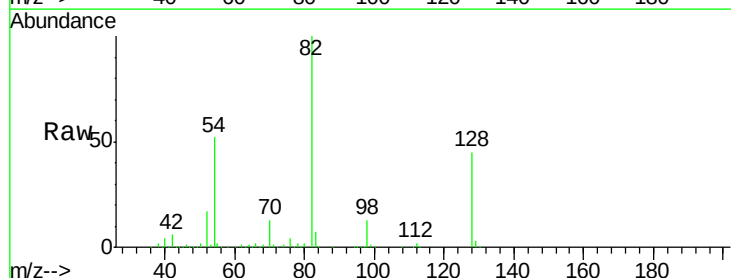


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

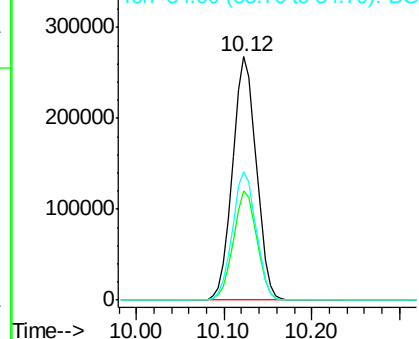
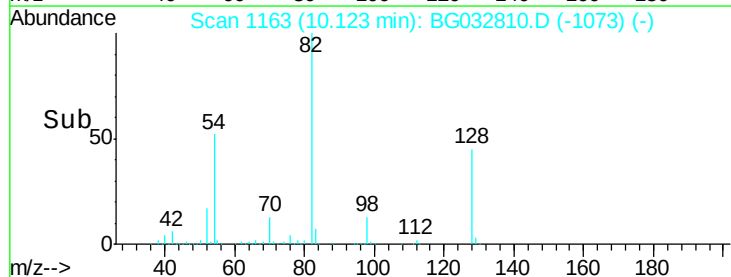


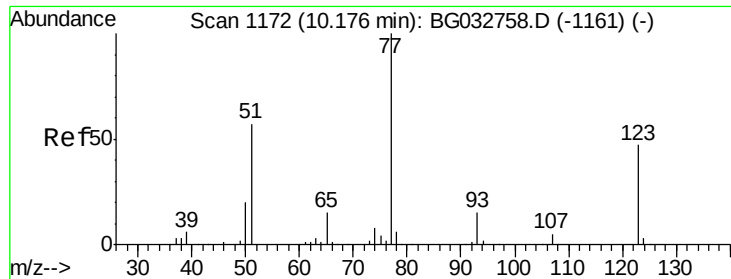
#23
Nitrobenzene-d5
Concen: 118.57 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion: 82	Resp:	495944
Ion Ratio	Lower	Upper
82	100	
128	44.7	29.7 44.5#
54	52.5	43.1 64.7



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

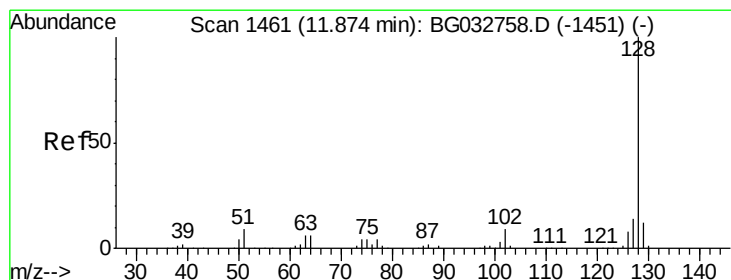
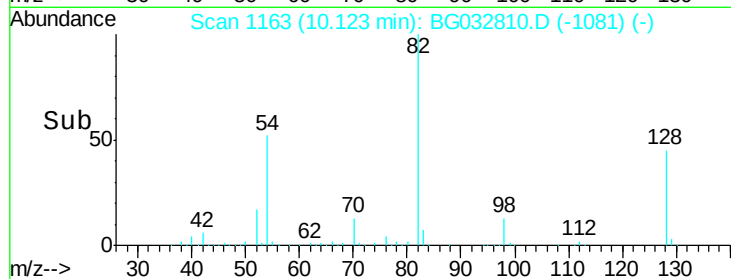
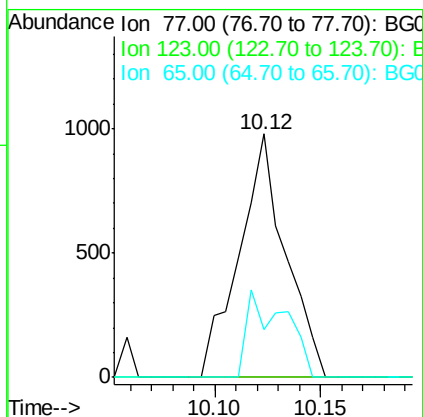
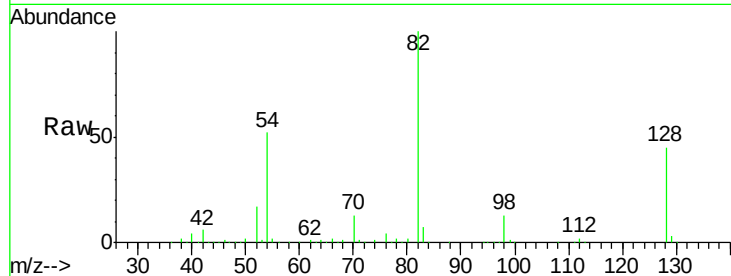




#24
 Nitrobenzene
 Concen: 6.67 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032810.D
 Acq: 24 Feb 2018 4:23

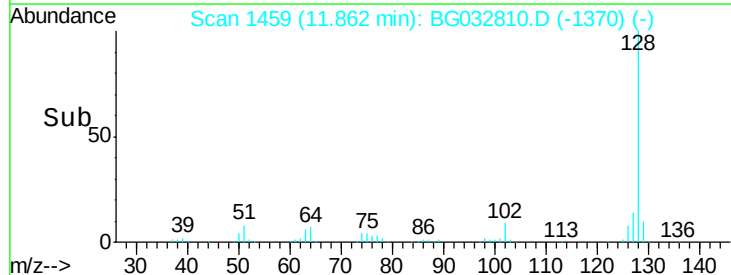
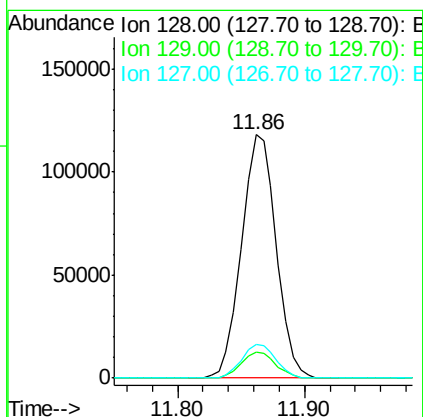
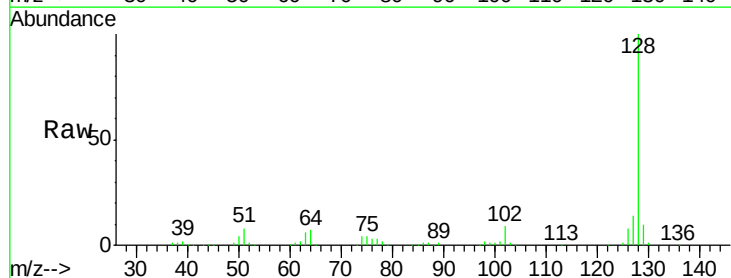
Instrument :
 BNA_G
 ClientSampled :

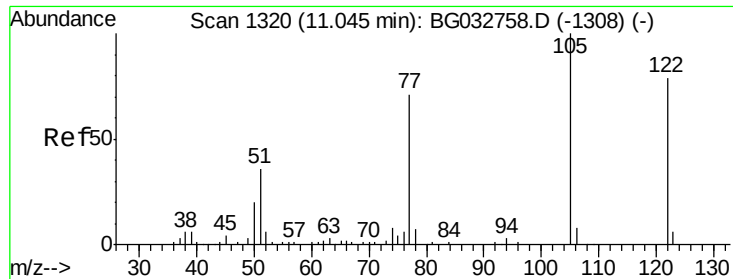
Tot Ion: 77 Resp: 1495
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 19.9 13.0 19.6#



#31
 Naphthalene
 Concen: 15.26 ng
 RT: 11.86 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BG032810.D
 Acq: 24 Feb 2018 4:23

Tgt Ion: 128 Resp: 223075
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 12.8
 127 13.9 11.6 17.4

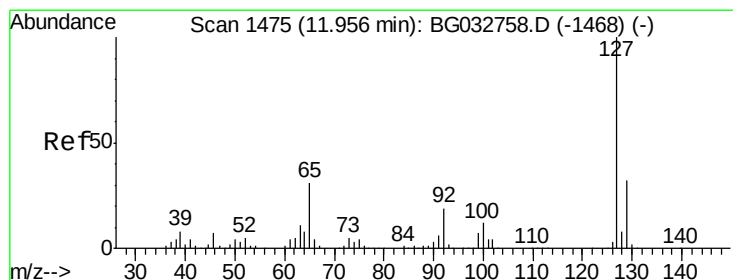
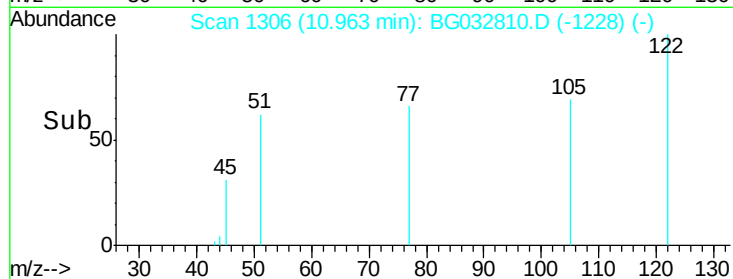
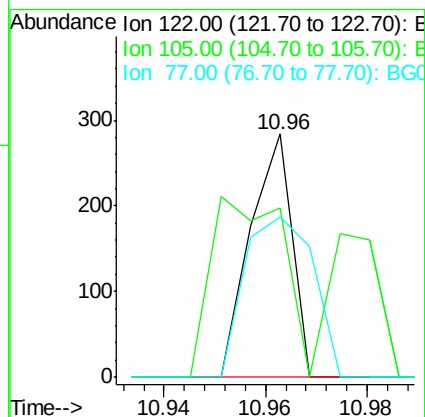
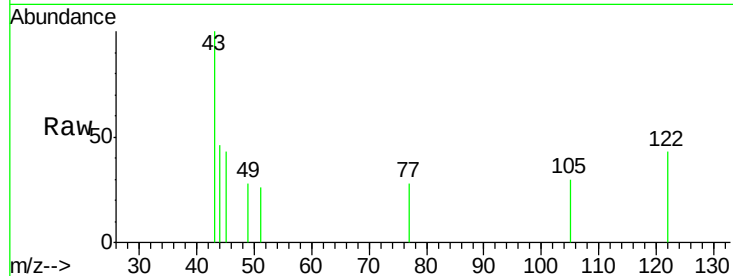




#32
Benzoic acid
Concen: 5.89 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.07 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

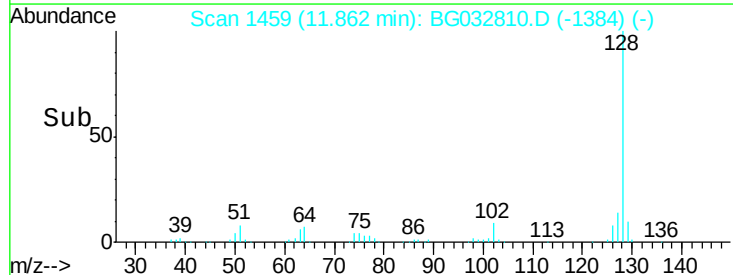
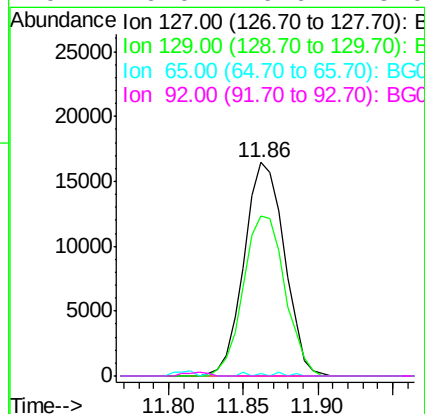
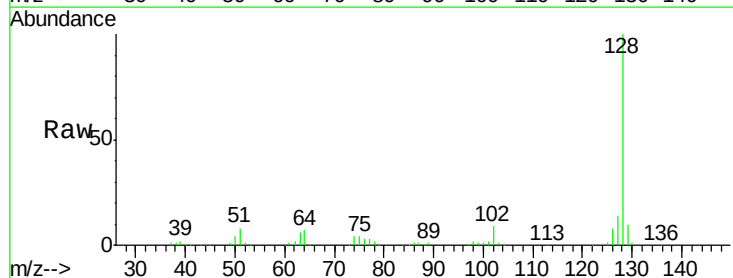
Instrument :
BNA_G
ClientSampleId :

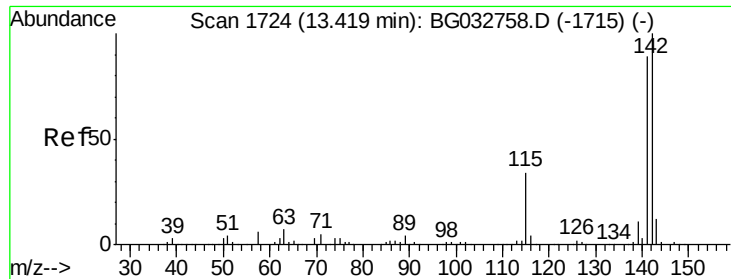
Tot Ion:122 Resp: 162
Ion Ratio Lower Upper
122 100
105 69.4 123.5 163.5#
77 65.8 85.7 125.7#



#33
4-Chloroaniline
Concen: 4.70 ng
RT: 11.86 min Scan# 1459
Delta R.T. -0.09 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:127 Resp: 30757
Ion Ratio Lower Upper
127 100
129 75.2 24.0 36.0#
65 1.5 27.0 40.4#
92 0.0 16.6 25.0#

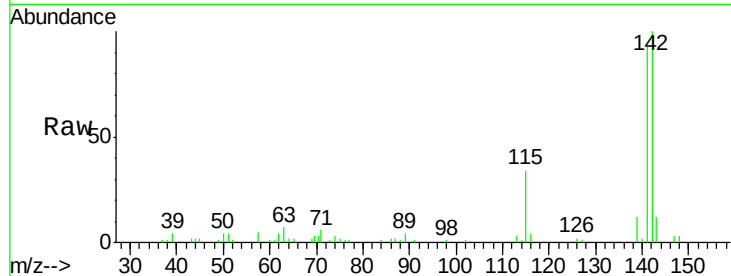




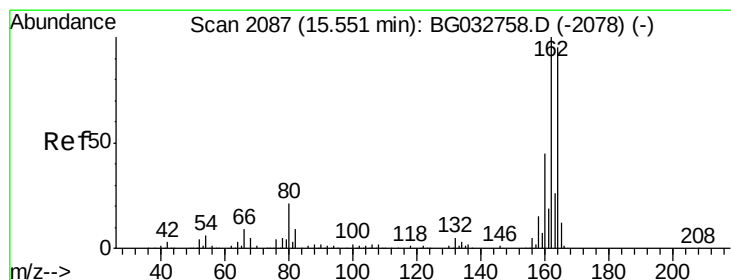
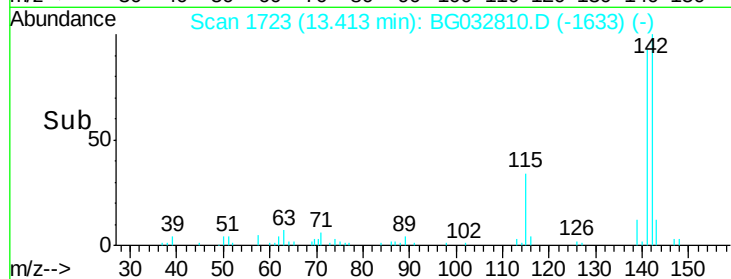
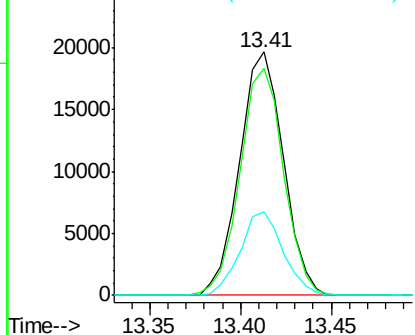
#37
2-Methylnaphthalene
Concen: 3.13 ng
RT: 13.41 min Scan# 1723
Delta R.T. 0.00 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Instrument :
BNA_G
ClientSampled :

Tot Ion:142 Resp: 33149
Ion Ratio Lower Upper
142 100
141 93.0 67.1 100.7
115 34.1 30.7 46.1

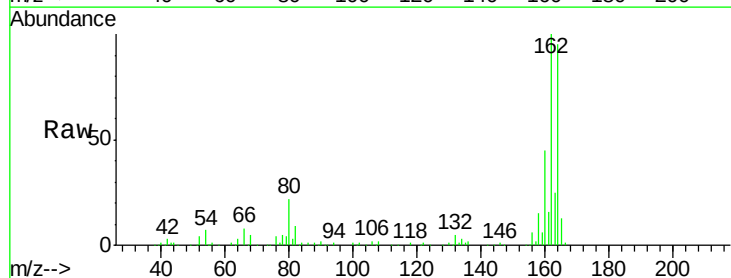


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

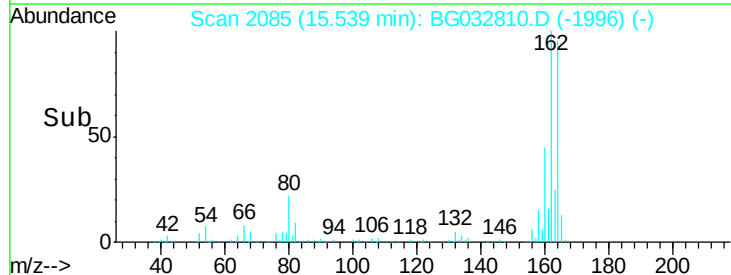
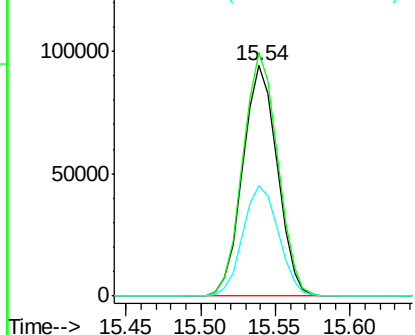


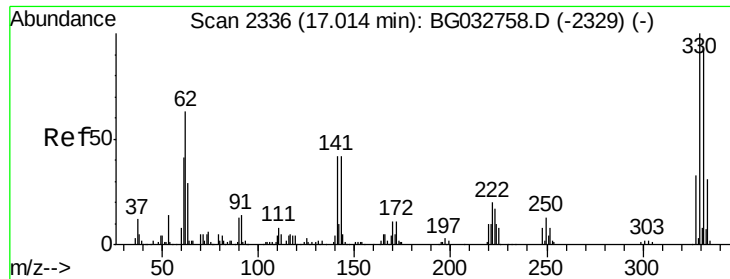
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:164 Resp: 150567
Ion Ratio Lower Upper
164 100
162 105.7 78.8 118.2
160 48.0 35.4 53.0



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: 184.74 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.01 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

Instrument :

BNA_G

ClientSampled :

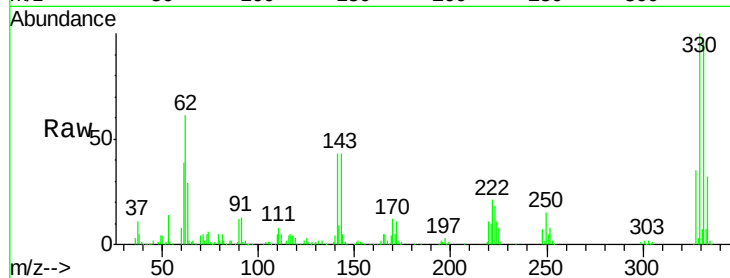
Tot Ion:330 Resp: 292476

Ion Ratio Lower Upper

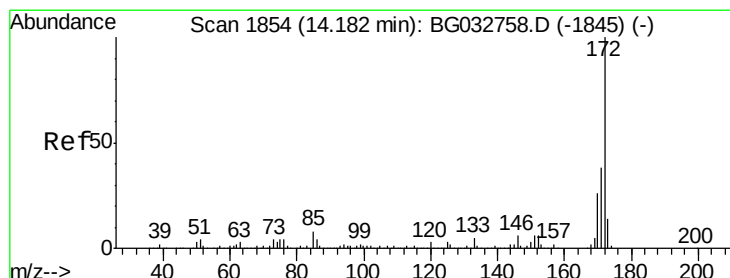
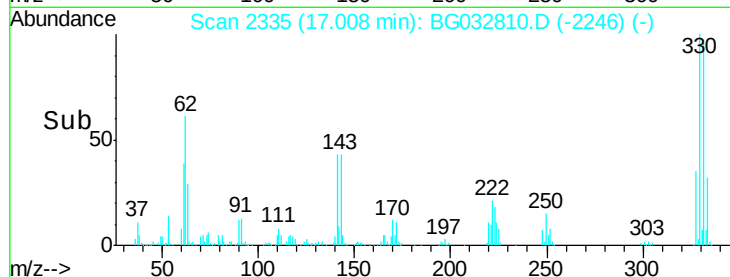
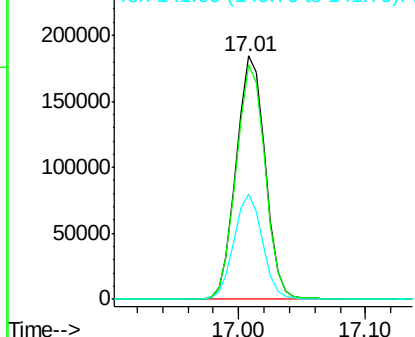
330 100

332 96.7 77.0 115.6

141 42.5 25.2 37.8#



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



#44

2-Fluorobiphenyl

Concen: 99.96 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

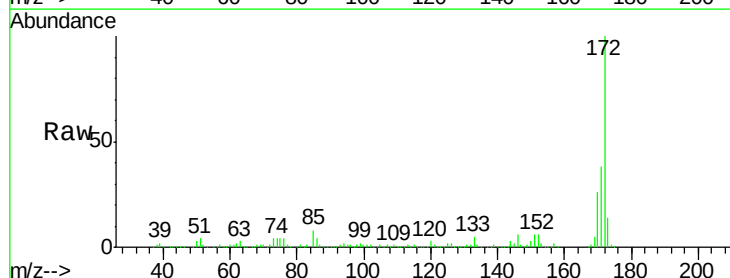
Tgt Ion:172 Resp: 1043602

Ion Ratio Lower Upper

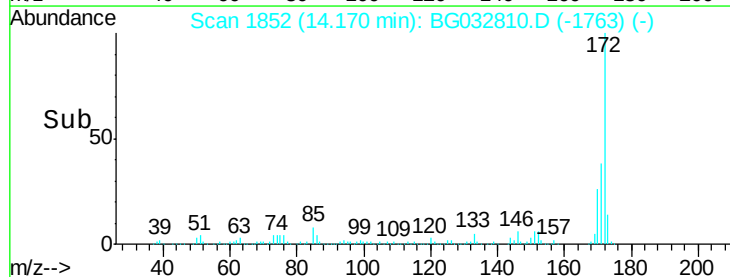
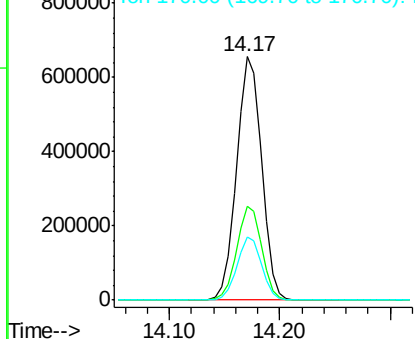
172 100

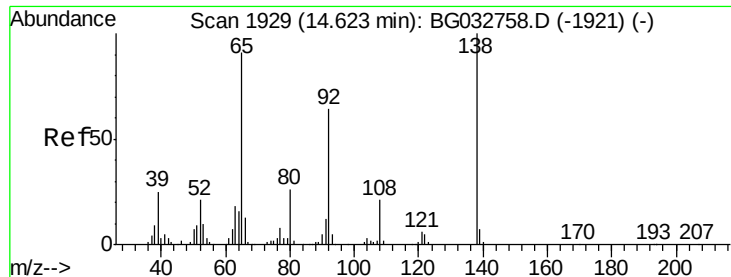
171 38.4 30.0 45.0

170 25.9 19.5 29.3



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

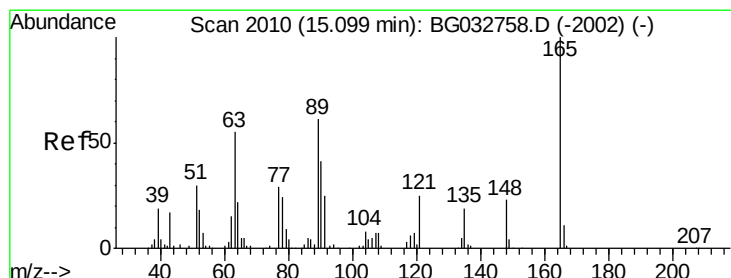
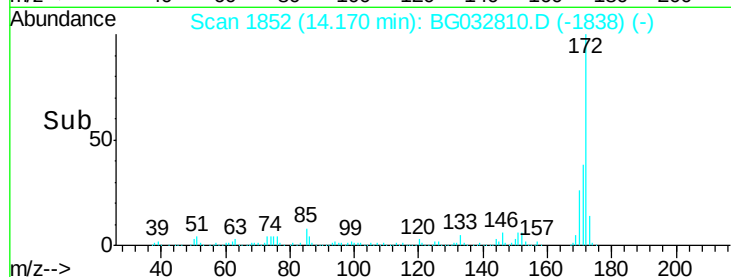
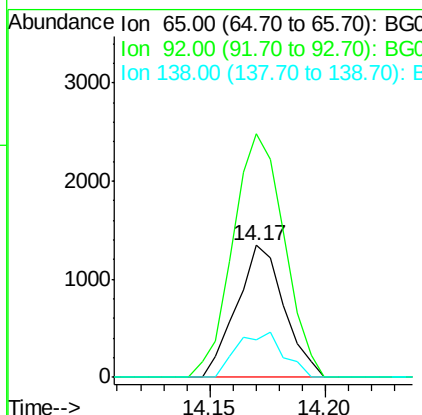
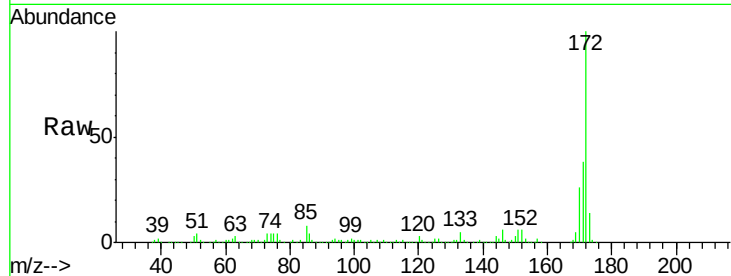




#47
2-Nitroaniline
Concen: 10.45 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

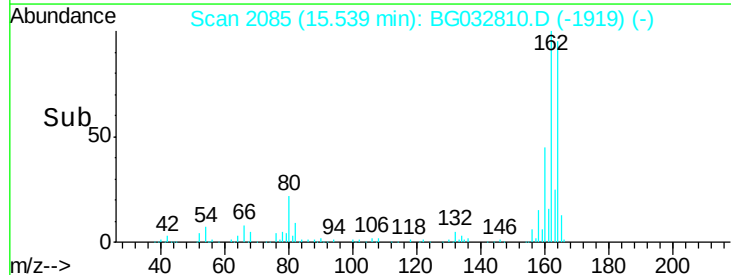
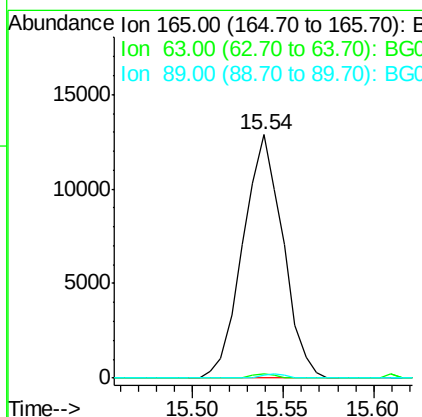
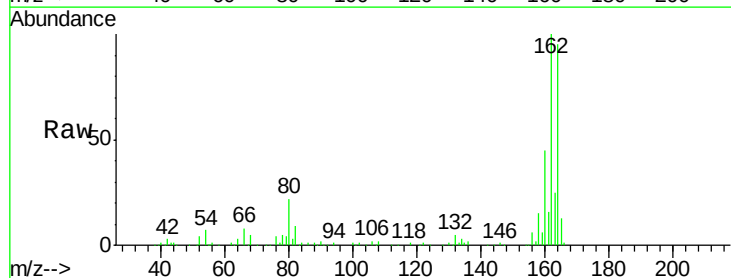
Instrument :
BNA_G
ClientSampleId :

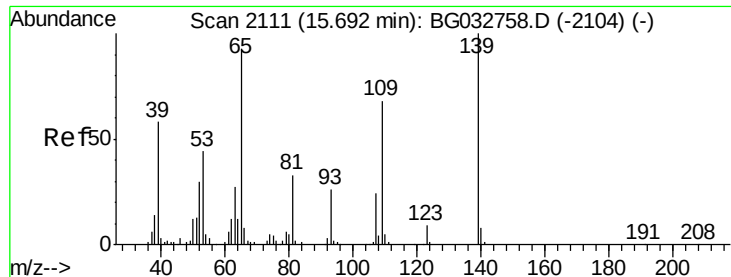
Tot Ion: 65 Resp: 1925
Ion Ratio Lower Upper
65 100
92 184.7 54.6 82.0#
138 28.8 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.53 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.45 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:165 Resp: 19829
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 1.4 49.2 73.8#

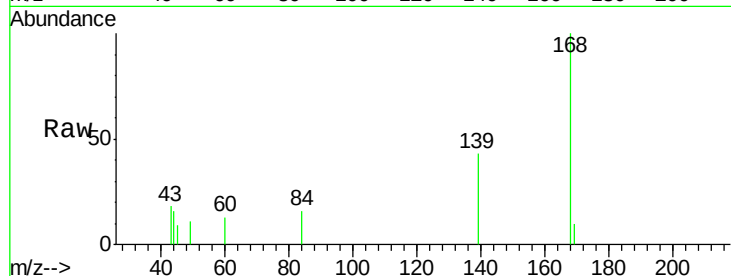




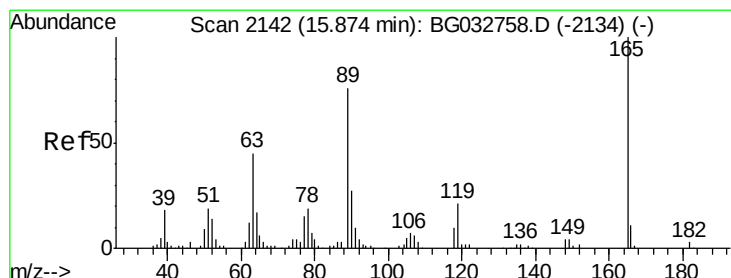
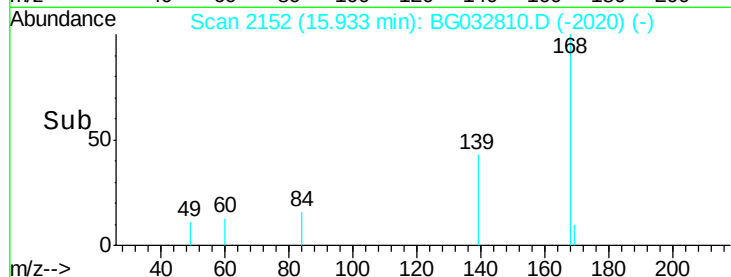
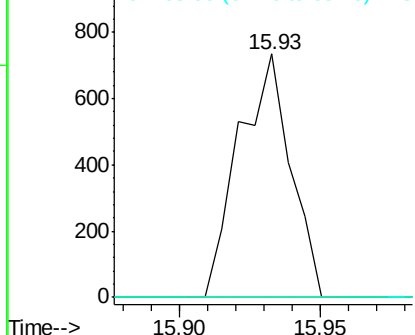
#55
4-Nitrophenol
Concen: 7.49 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.25 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 930
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

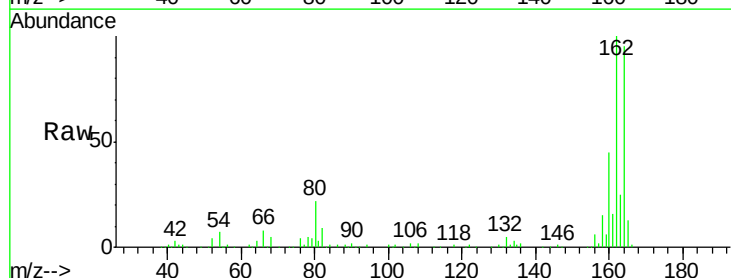


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

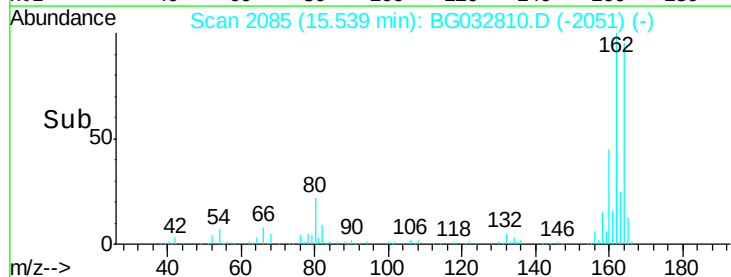
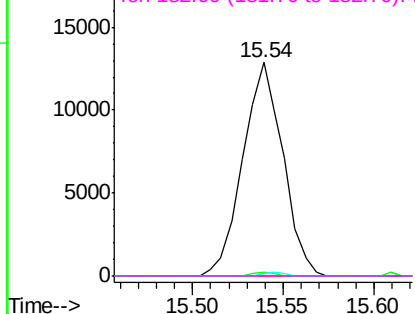


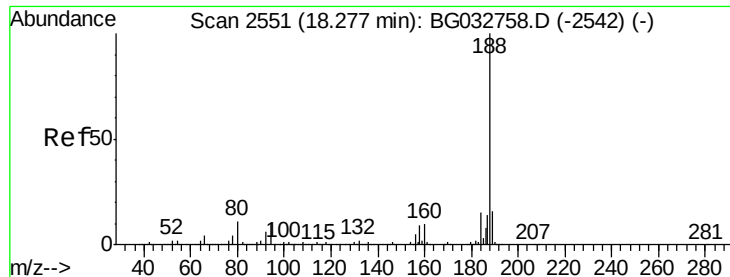
#56
2,4-Dinitrotoluene
Concen: 14.73 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:165 Resp: 19829
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

Instrument :

BNA_G

ClientSampleId :

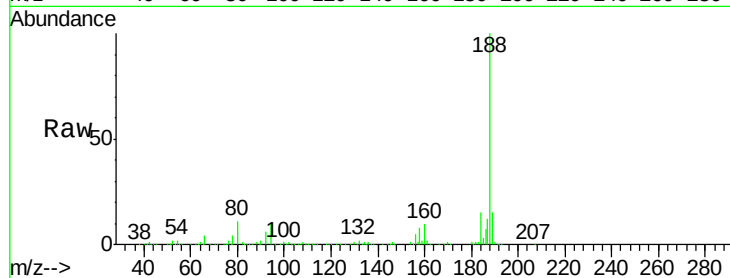
Tot Ion:188 Resp: 371097

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

80 11.3 7.7 11.5



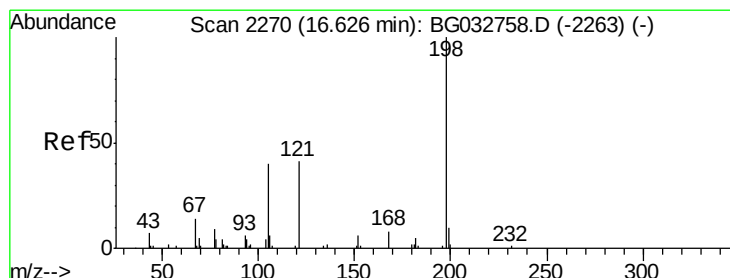
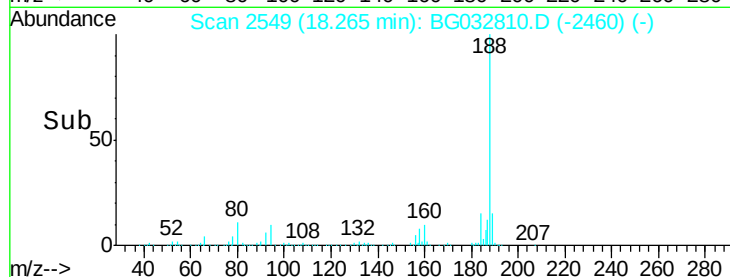
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

18.26

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.84 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032810.D

Acq: 24 Feb 2018 4:23

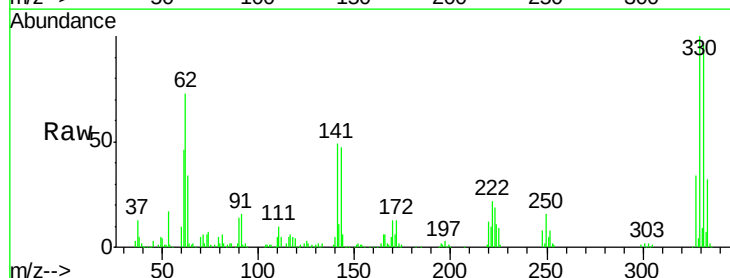
Tgt Ion:198 Resp: 779

Ion Ratio Lower Upper

198 100

51 178.5 30.6 70.6#

105 151.6 23.8 63.8#



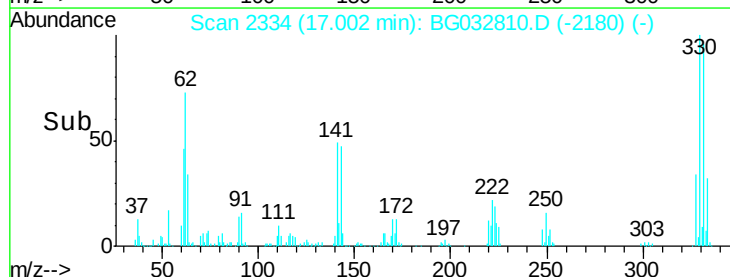
Abundance Ion 198.00 (197.70 to 198.70): E

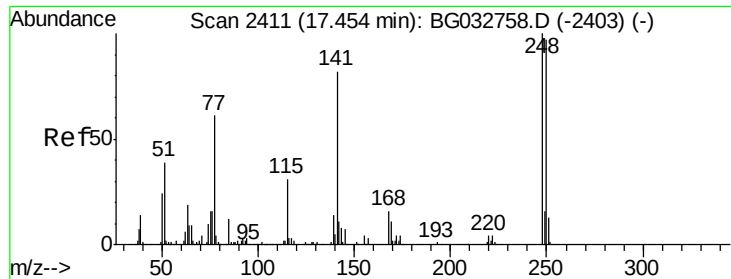
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

17.00

Time-->

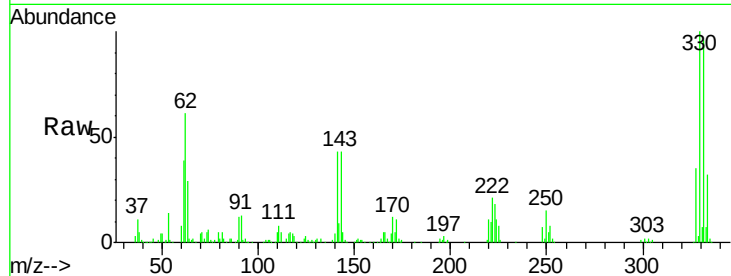




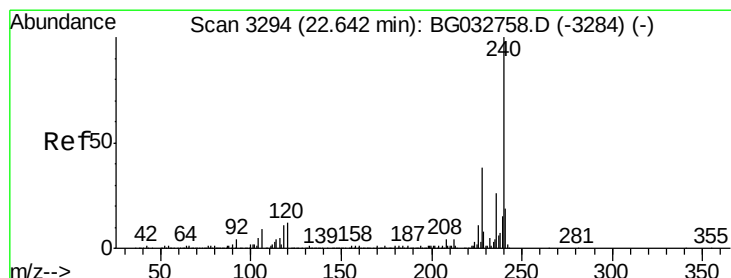
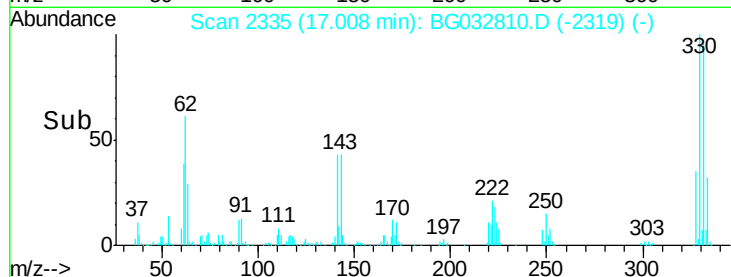
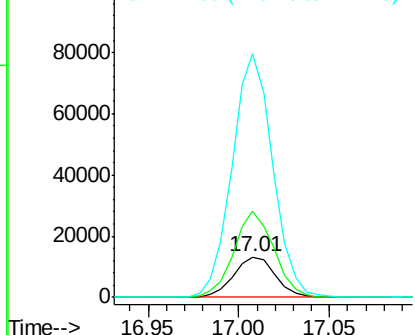
#66
 4-Bromophenyl-phenylether
 Concen: 5.36 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032810.D
 Acq: 24 Feb 2018 4:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 21037
 Ion Ratio Lower Upper
 248 100
 250 214.7 77.1 115.7#
 141 602.3 50.8 76.2#

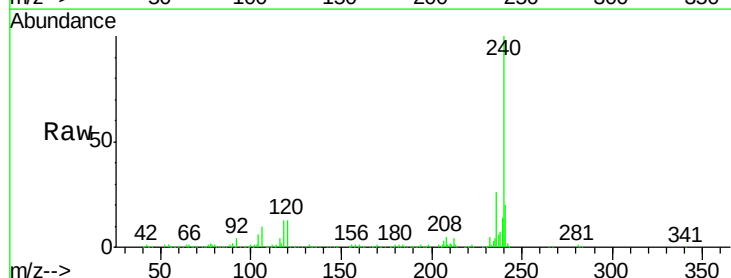


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

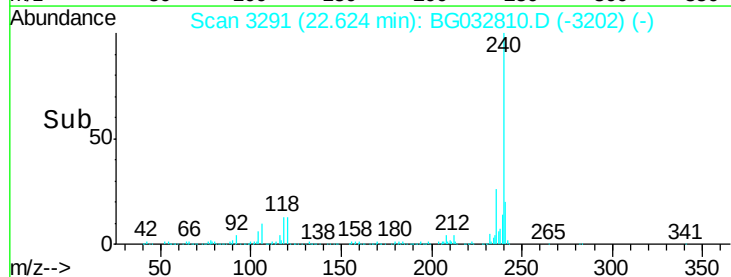
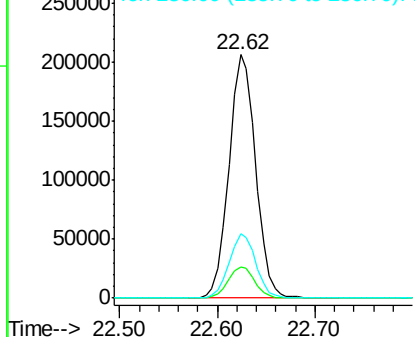


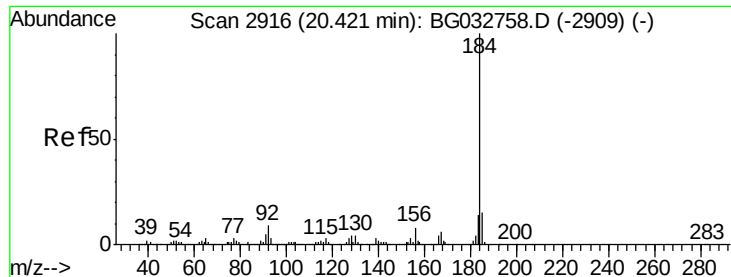
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.01 min
 Lab File: BG032810.D
 Acq: 24 Feb 2018 4:23

Tgt Ion:240 Resp: 389580
 Ion Ratio Lower Upper
 240 100
 120 12.6 6.8 10.2#
 236 26.3 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

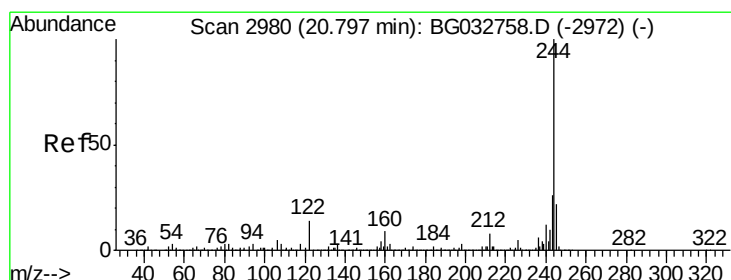
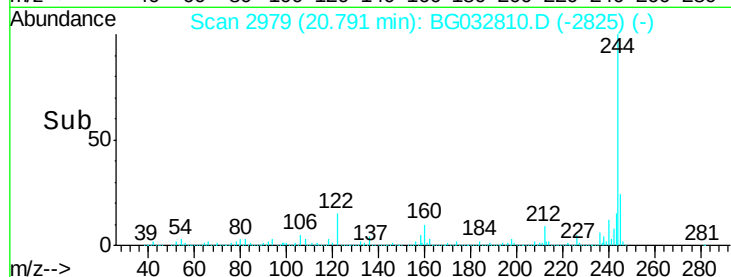
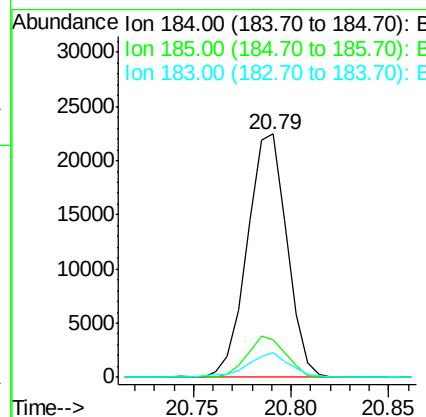
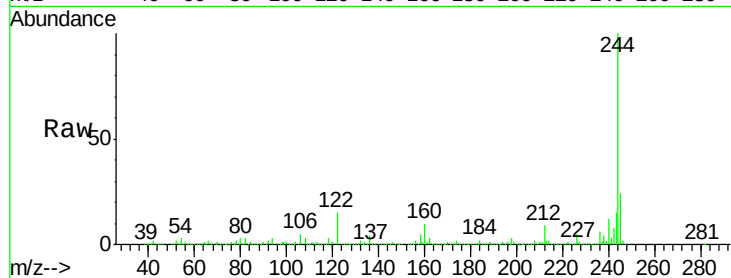




#76
Benzidine
Concen: 2.37 ng
RT: 20.79 min Scan# 2979
Delta R.T. 0.38 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

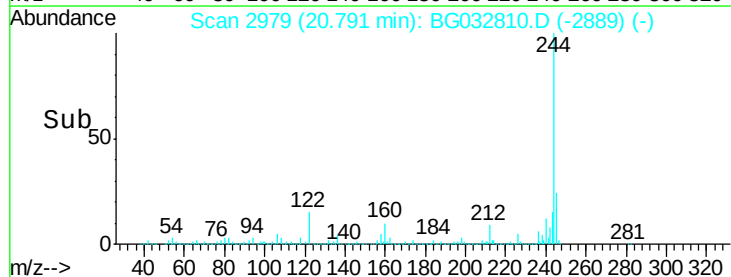
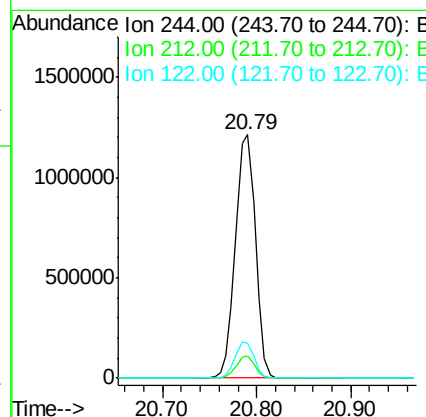
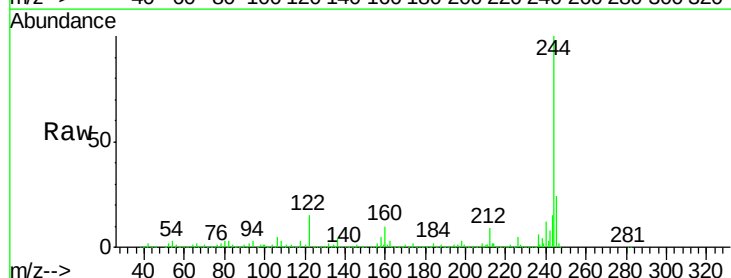
Instrument :
BNA_G
ClientSampleId :

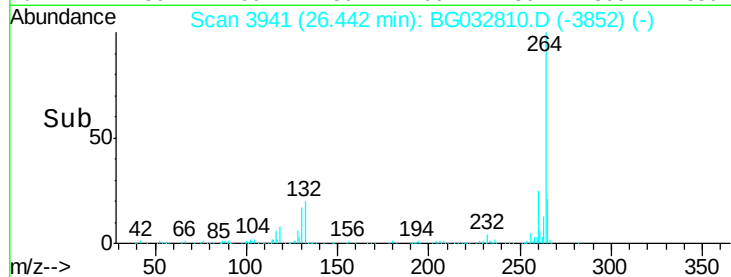
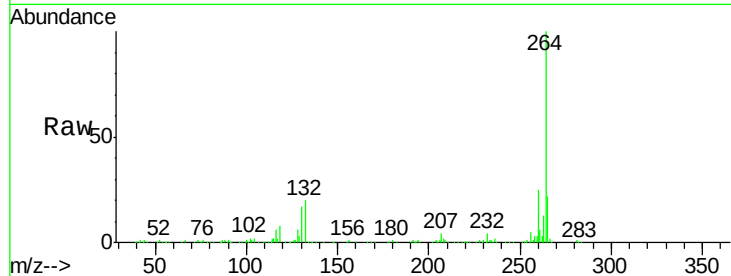
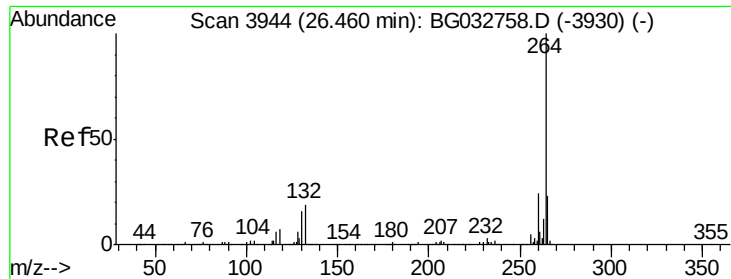
Tot Ion:184 Resp: 31528
Ion Ratio Lower Upper
184 100
185 15.4 11.1 16.7
183 10.3 10.6 16.0#



#78
Terphenyl-d14
Concen: 104.23 ng
RT: 20.79 min Scan# 2979
Delta R.T. 0.00 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Tgt Ion:244 Resp: 1807296
Ion Ratio Lower Upper
244 100
212 8.9 5.8 8.8#
122 14.5 7.0 10.4#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.44 min Scan# 3941
Delta R.T. -0.01 min
Lab File: BG032810.D
Acq: 24 Feb 2018 4:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.4	26.0
265	21.6	17.7	26.5

