

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032912.D
 Acq On : 1 Mar 2018 7:49
 Operator : SJ/JU
 Sample : J1712-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:47:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

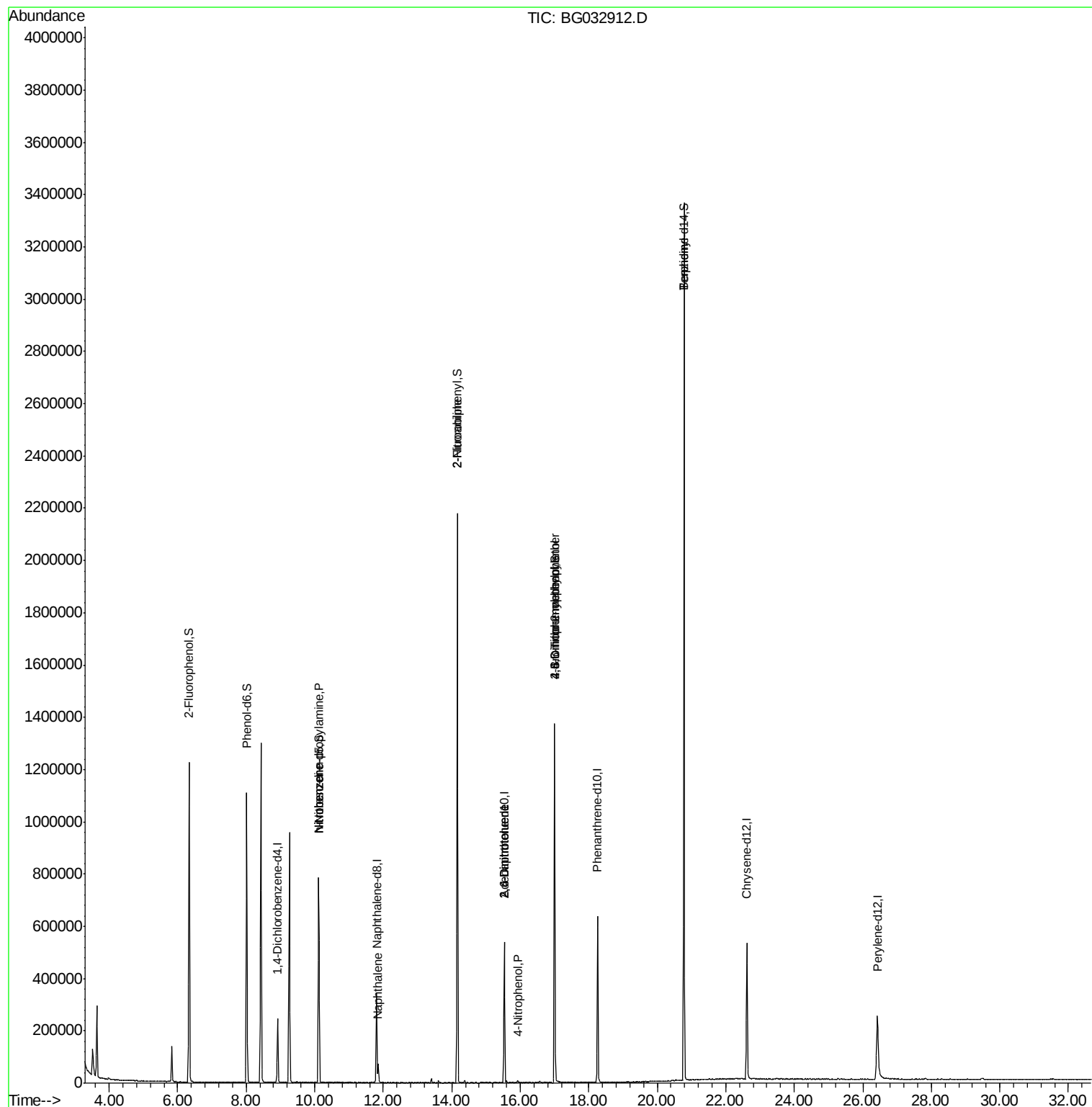
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	71987	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	313425	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	179624	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	389096	20.00	ng	0.00
75) Chrysene-d12	22.62	240	347521	20.00	ng	-0.01
86) Perylene-d12	26.43	264	331668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	575273	127.85	ng	0.00
7) Phenol-d6	8.01	99	697513	111.21	ng	0.00
23) Nitrobenzene-d5	10.12	82	490940	105.93	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	231890	122.78	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1110045	89.13	ng	0.00
78) Terphenyl-d14	20.78	244	1509074	97.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	63713	14.389	ng	# 86
24) Nitrobenzene	10.12	77	1524	6.645	ng	# 45
31) Naphthalene	11.86	128	62365	3.808	ng	# 99
47) 2-Nitroaniline	14.16	65	2108	10.403	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	22803	16.257	ng	# 21
55) 4-Nitrophenol	15.93	139	2152	7.866	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	22803	14.454	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	771	5.790	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17692	4.300	ng	# 1
76) Benzidine	20.78	184	26346	2.224	ng	# 90

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

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Quant Time: Mar 01 10:47:35 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration



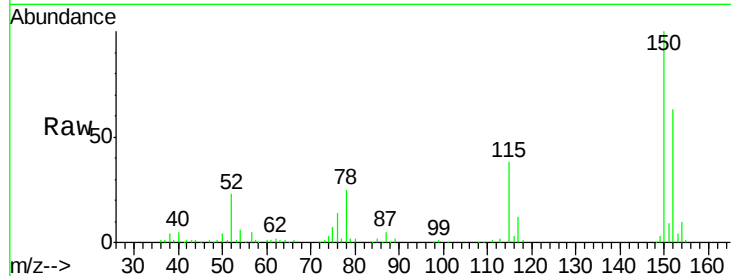


#1

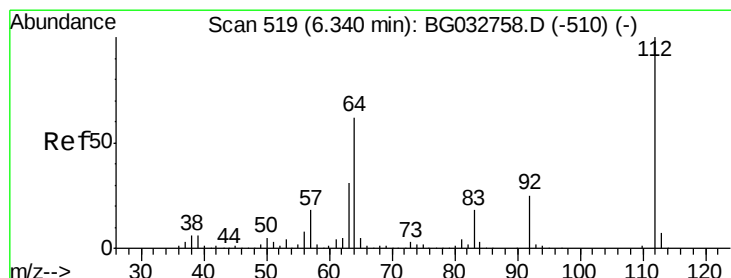
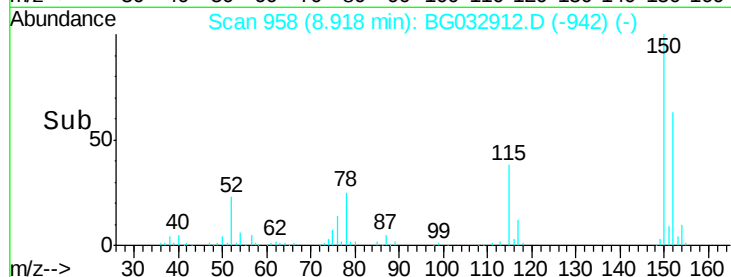
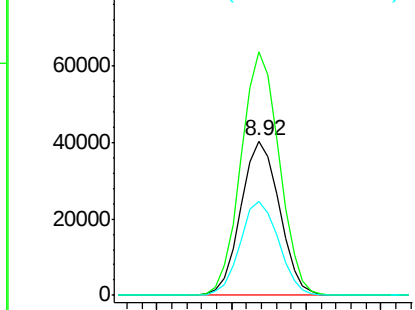
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 71987
Ion Ratio Lower Upper
152 100
150 157.7 126.6 189.8
115 60.7 53.0 79.4



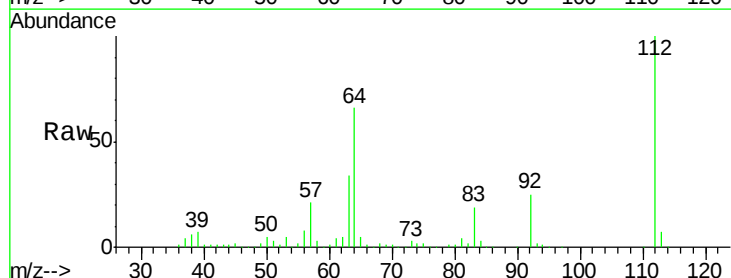
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



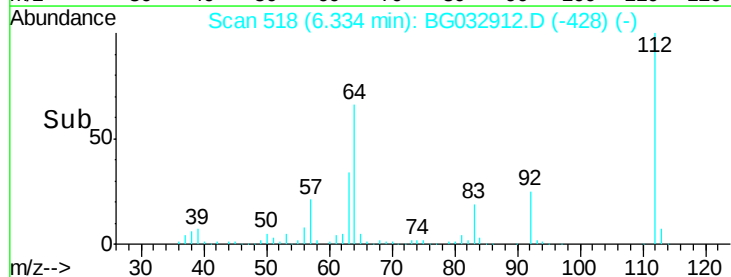
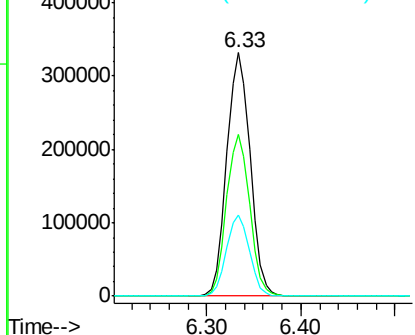
#5

2-Fluorophenol
Concen: 127.850 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Tgt Ion:112 Resp: 575273
Ion Ratio Lower Upper
112 100
64 66.5 56.3 84.5
63 33.5 30.1 45.1



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





#7

Phenol-d6

Concen: 111.214 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

Instrument :

BNA_G

ClientSampled :

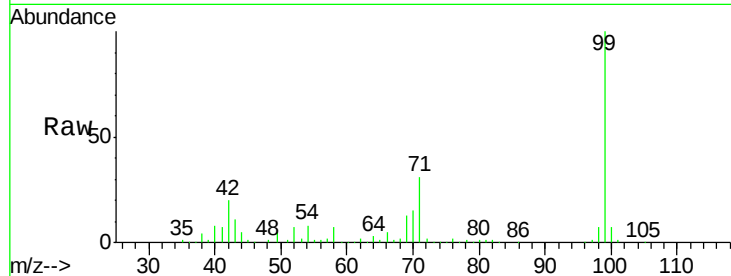
Tot Ion: 99 Resp: 697513

Ion Ratio Lower Upper

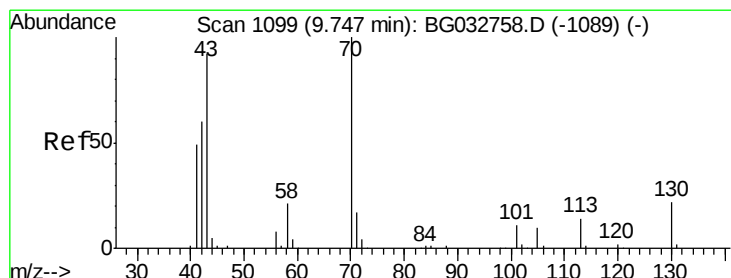
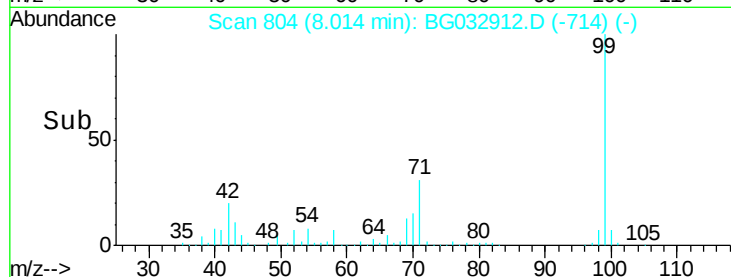
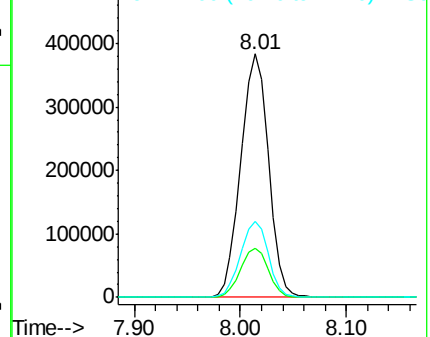
99 100

42 20.0 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: 14.389 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

Tgt Ion: 70 Resp: 63713

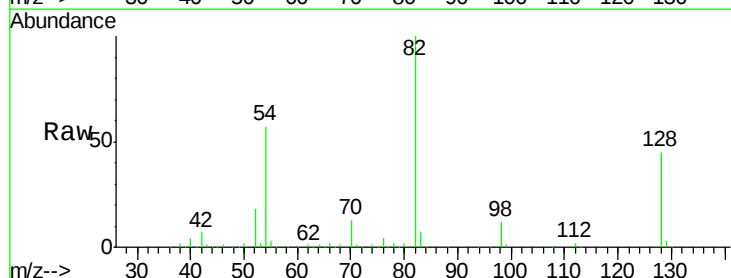
Ion Ratio Lower Upper

70 100

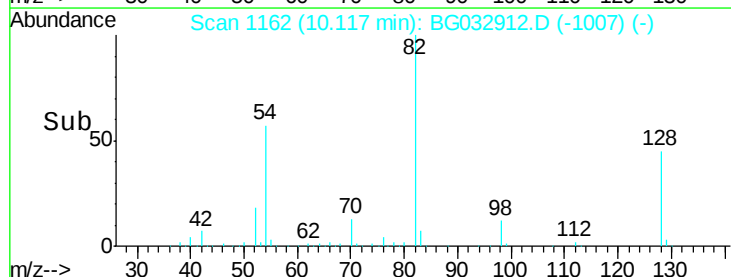
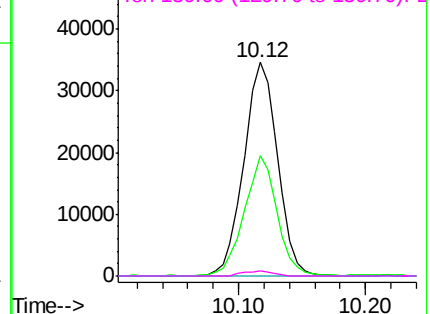
42 56.5 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

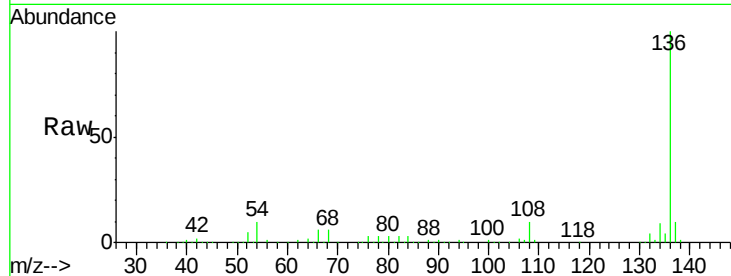




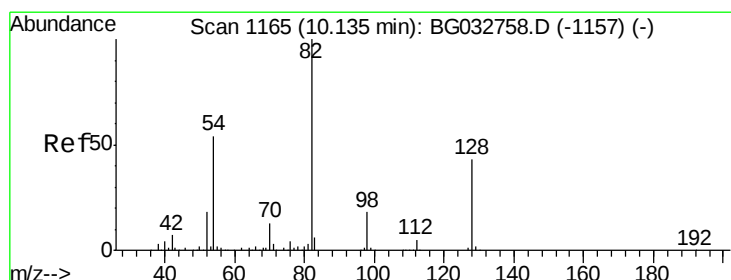
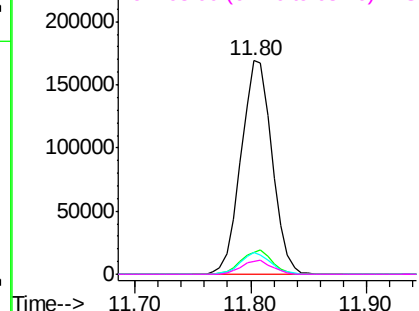
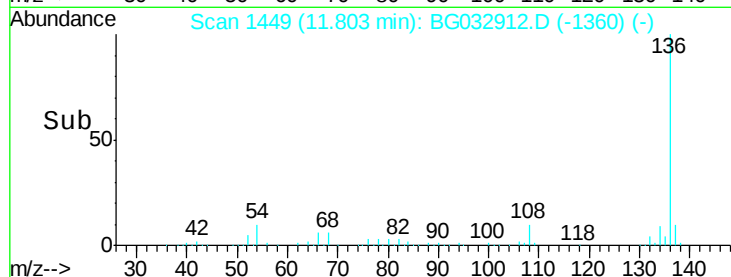
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	313425
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.2 13.8
54	10.0	10.3 15.5#
68	6.2	4.5 6.7

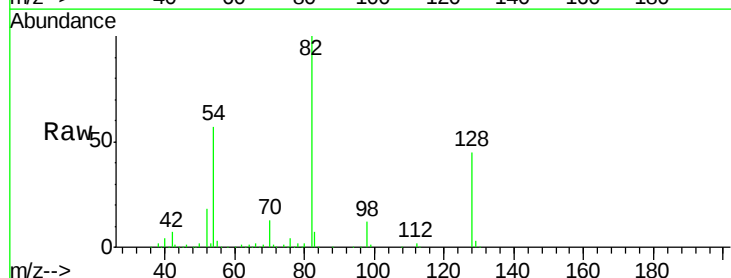


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

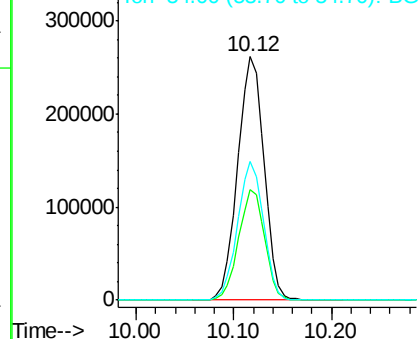
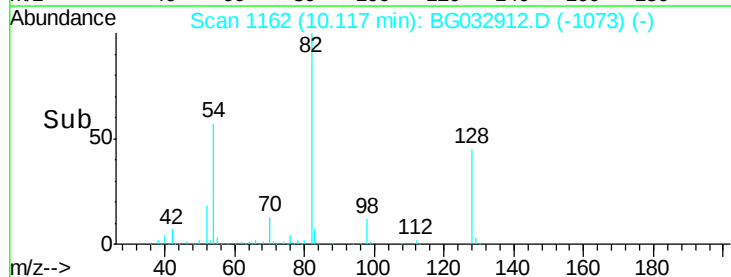


#23
Nitrobenzene-d5
Concen: 105.935 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Tgt Ion: 82	Resp:	490940
Ion Ratio	Lower	Upper
82	100	
128	45.3	29.7 44.5#
54	57.0	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

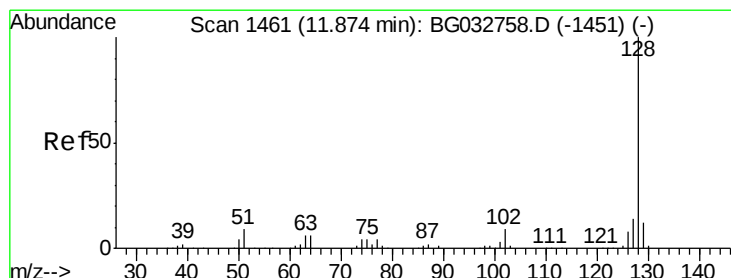
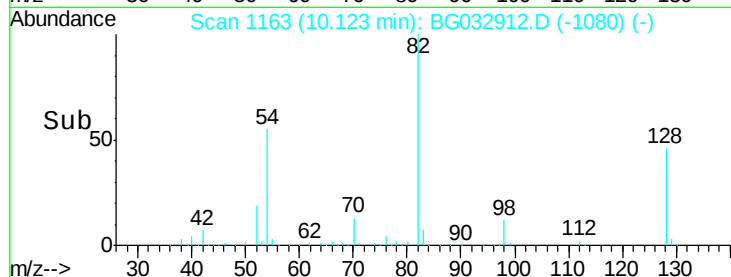
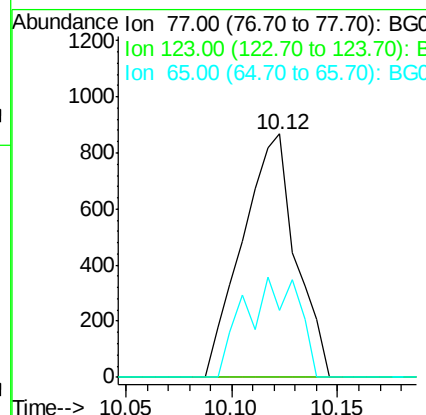
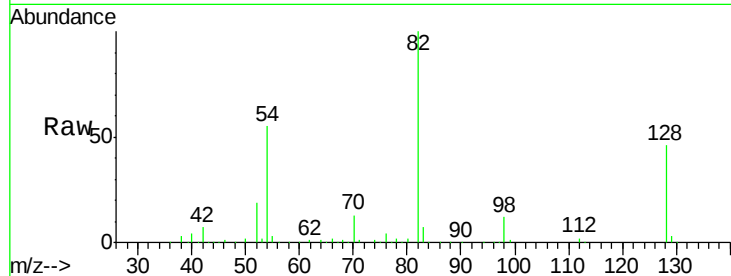




#24
 Nitrobenzene
 Concen: 6.645 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BG032912.D
 Acq: 1 Mar 2018 7:49

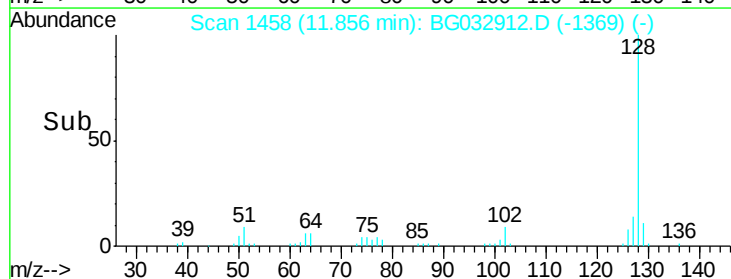
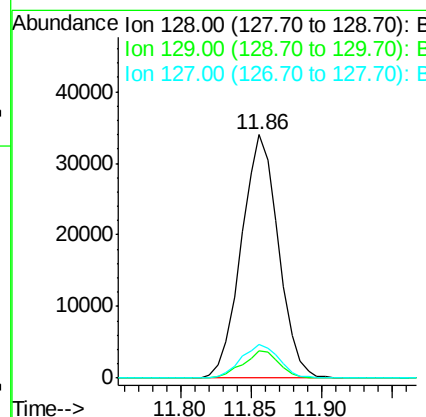
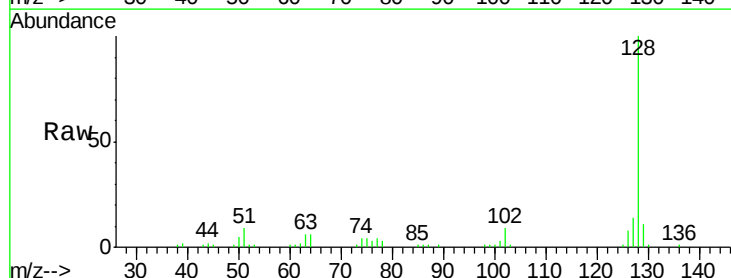
Instrument :
 BNA_G
 ClientSampleId :

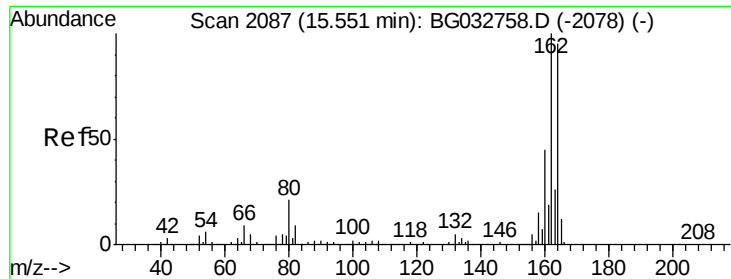
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	27.5	13.0	19.6#



#31
 Naphthalene
 Concen: 3.808 ng
 RT: 11.86 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BG032912.D
 Acq: 1 Mar 2018 7:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	14.0	11.6	17.4

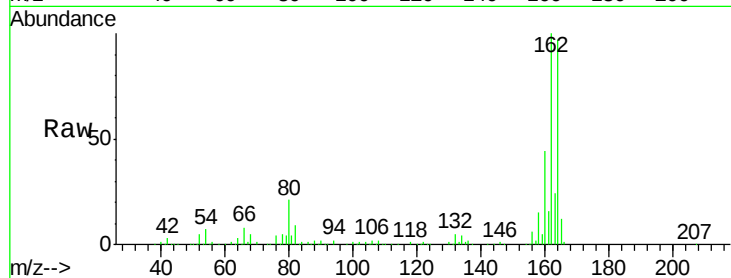




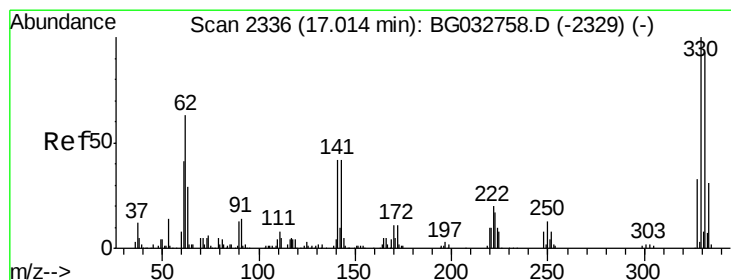
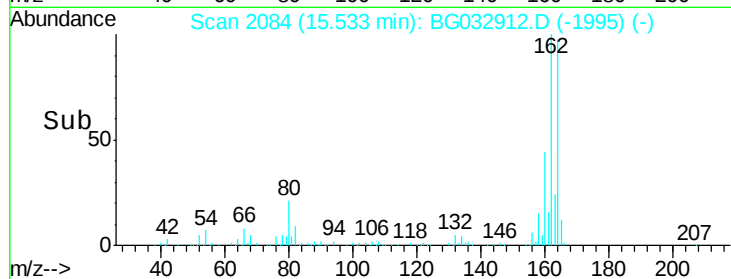
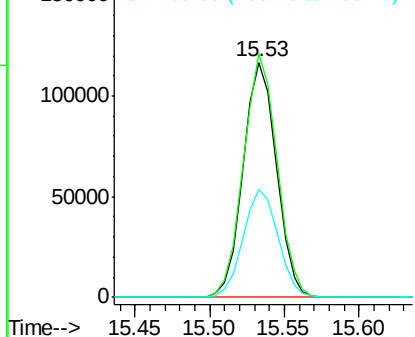
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 179624
Ion Ratio Lower Upper
164 100
162 103.6 78.8 118.2
160 45.9 35.4 53.0

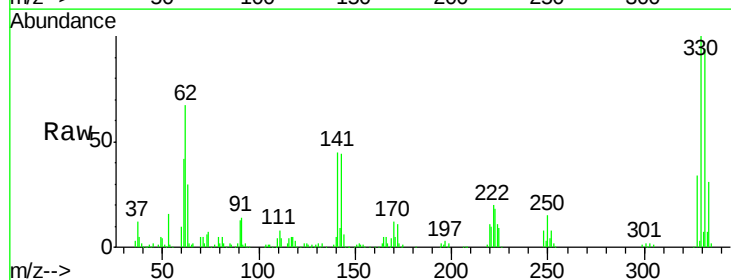


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

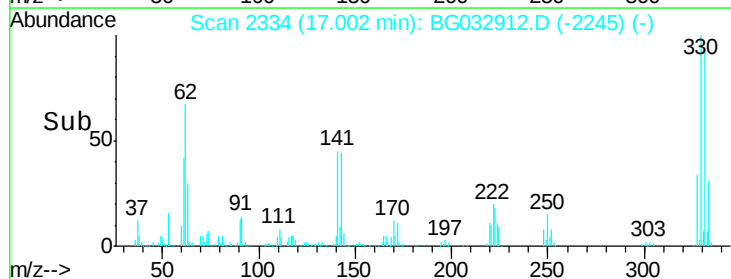
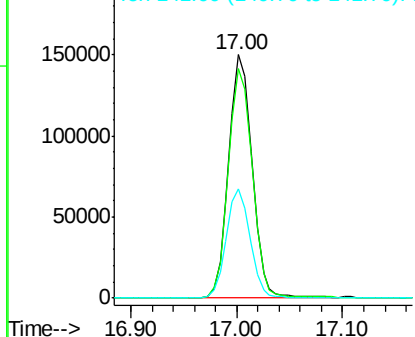


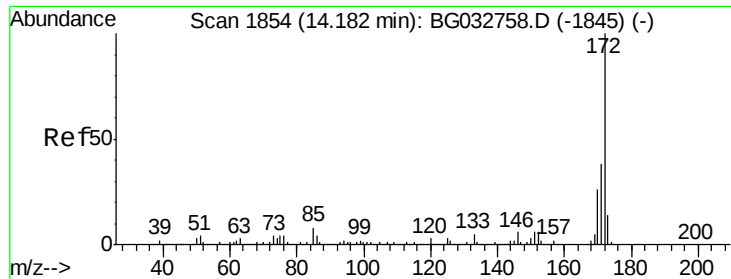
#41
2,4,6-Tribromophenol
Concen: 122.779 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Tgt Ion:330 Resp: 231890
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 45.6 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

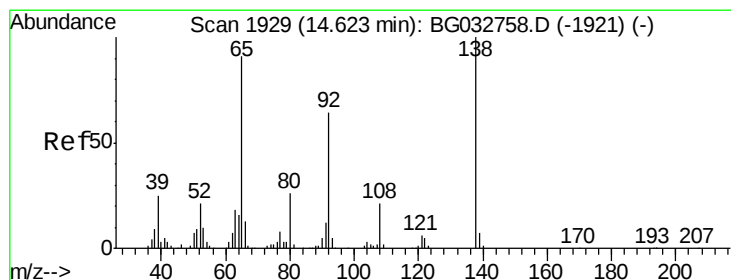
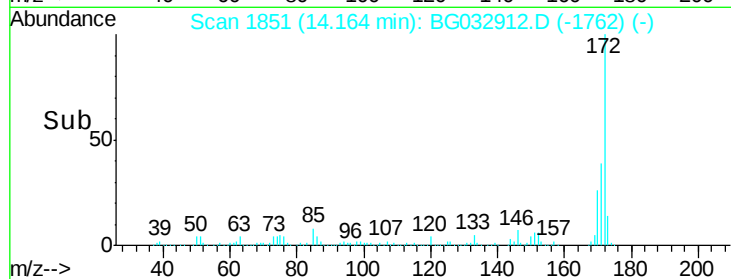
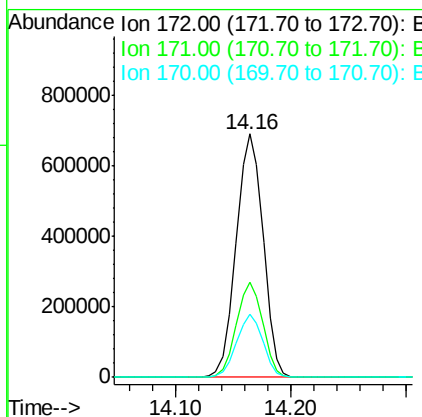
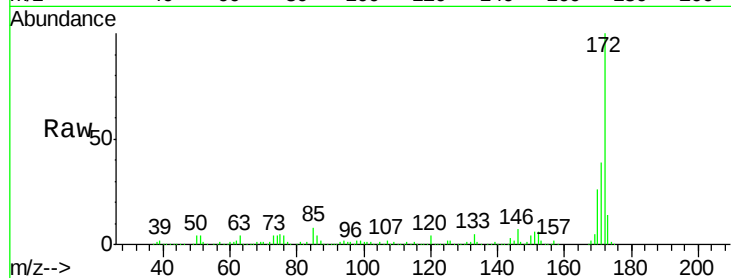




#44
2-Fluorobiphenyl
Concen: 89.129 ng
RT: 14.16 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

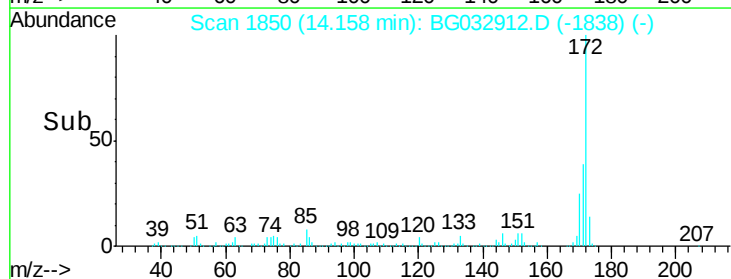
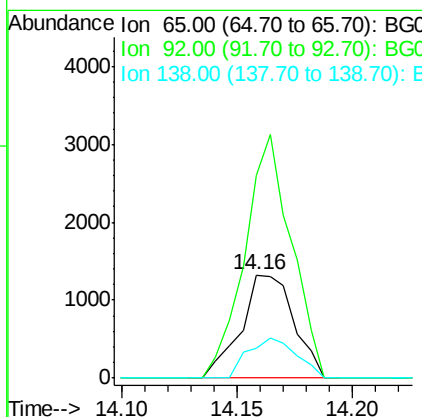
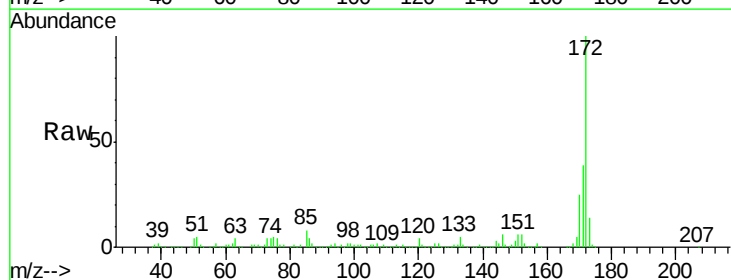
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1110045
Ion Ratio Lower Upper
172 100
171 39.2 30.0 45.0
170 25.8 19.5 29.3



#47
2-Nitroaniline
Concen: 10.403 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.46 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Tgt Ion: 65 Resp: 2108
Ion Ratio Lower Upper
65 100
92 197.0 54.6 82.0#
138 29.4 72.9 109.3#

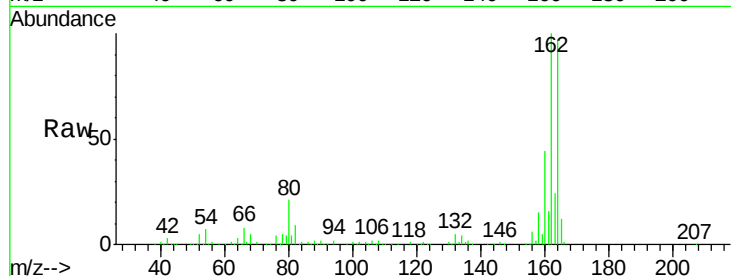




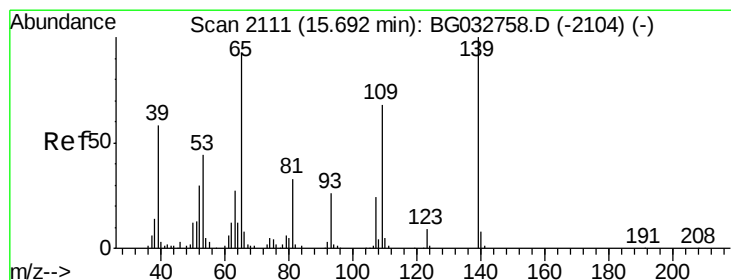
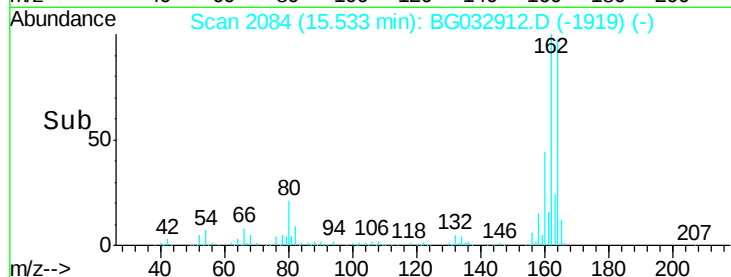
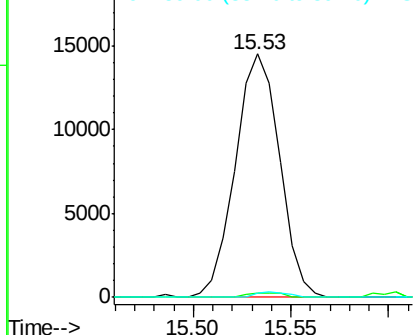
#50
2,6-Dinitrotoluene
Concen: 16.257 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 22803
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 2.0 49.2 73.8#

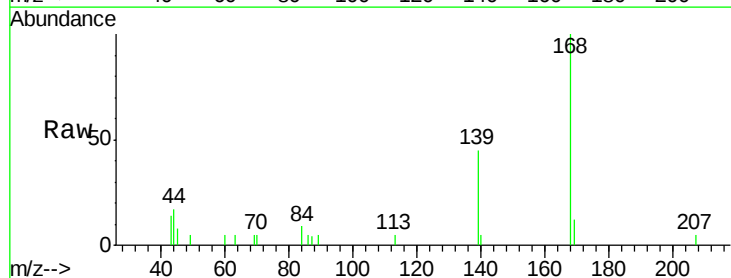


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 89.00 (88.70 to 89.70): BGO

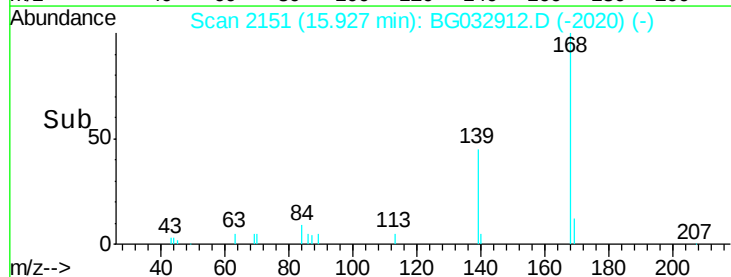
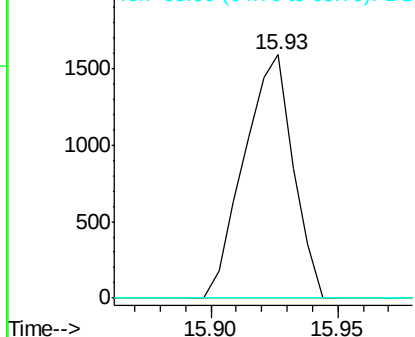


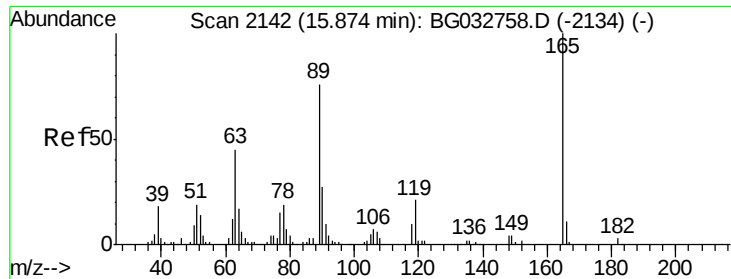
#55
4-Nitrophenol
Concen: 7.866 ng
RT: 15.93 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032912.D
Acq: 1 Mar 2018 7:49

Tgt Ion:139 Resp: 2152
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): BGO

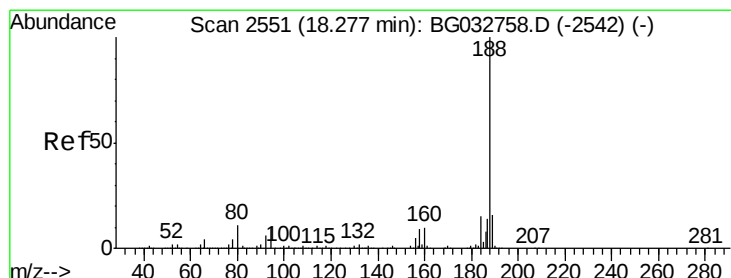
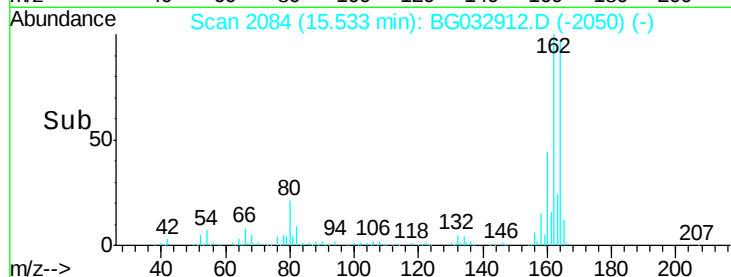
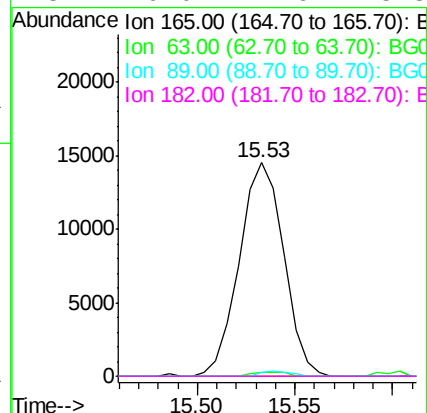
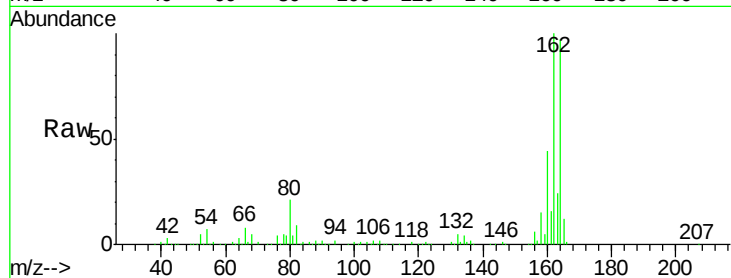




#56
 2,4-Dinitrotoluene
 Concen: 14.454 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032912.D
 Acq: 1 Mar 2018 7:49

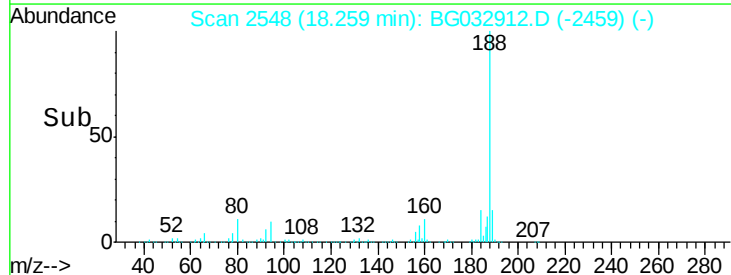
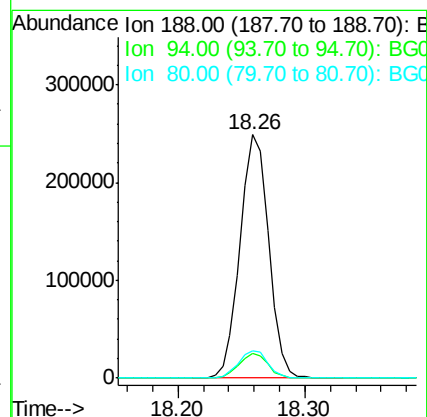
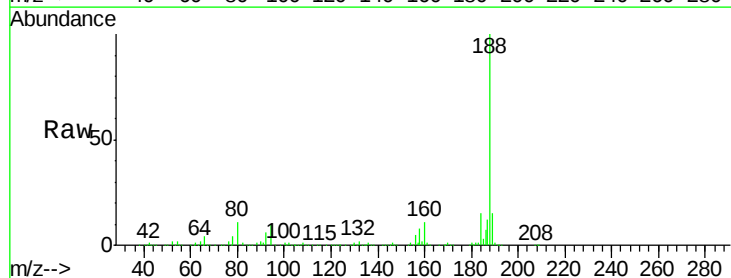
Instrument :
 BNA_G
 ClientSampleId :

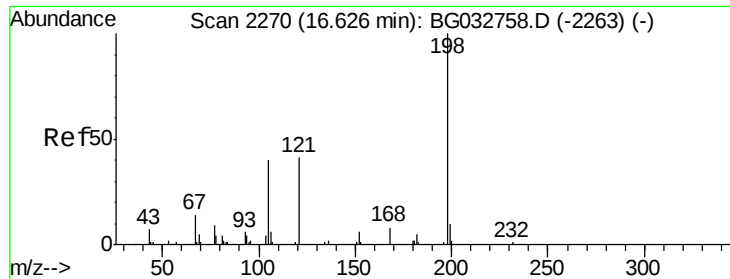
Tot Ion:165	Resp:	22803
Ion Ratio	Lower	Upper
165	100	
63	1.6	42.0 63.0#
89	2.0	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032912.D
 Acq: 1 Mar 2018 7:49

Tgt Ion:188	Resp:	389096
Ion Ratio	Lower	Upper
188	100	
94	10.2	6.9 10.3
80	11.3	7.7 11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.790 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

Instrument :

BNA_G

ClientSampleId :

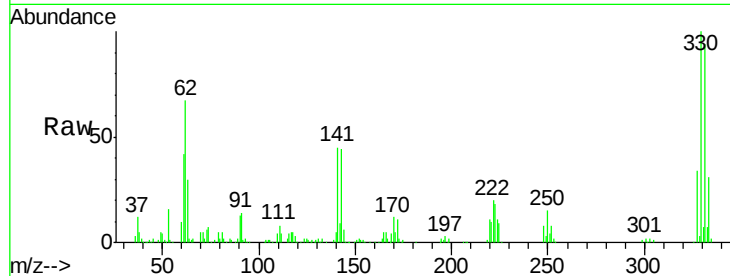
Tot Ion:198 Resp: 771

Ion Ratio Lower Upper

198 100

51 135.9 30.6 70.6#

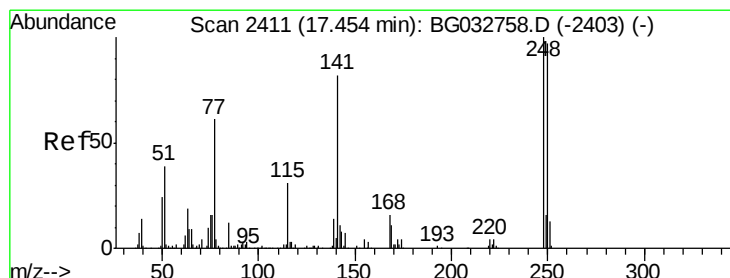
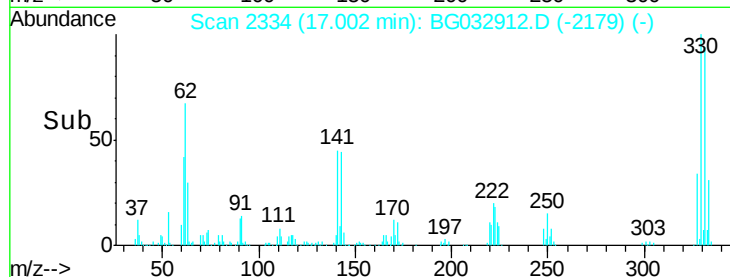
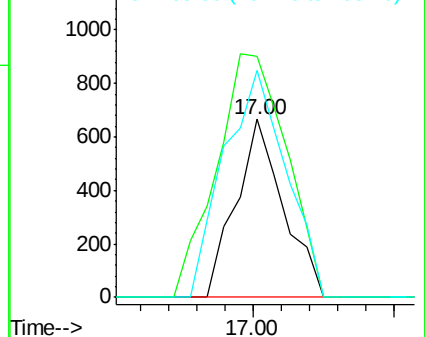
105 127.7 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.300 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.44 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

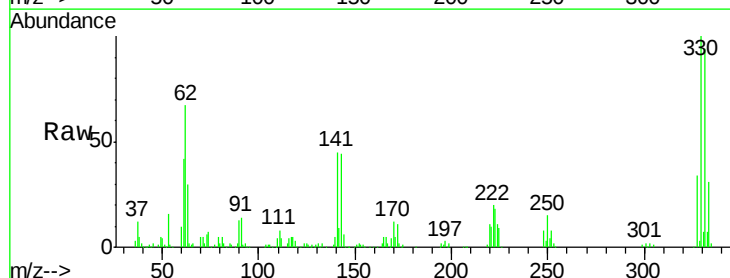
Tgt Ion:248 Resp: 17692

Ion Ratio Lower Upper

248 100

250 194.9 77.1 115.7#

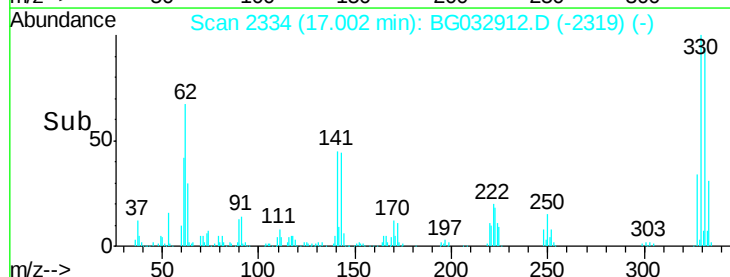
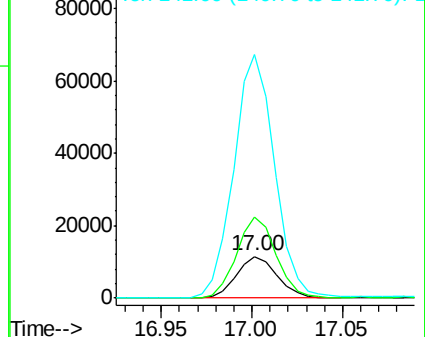
141 588.7 50.8 76.2#

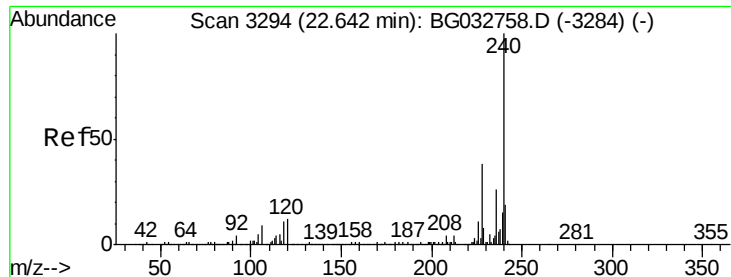


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

Instrument :

BNA_G

ClientSampleId :

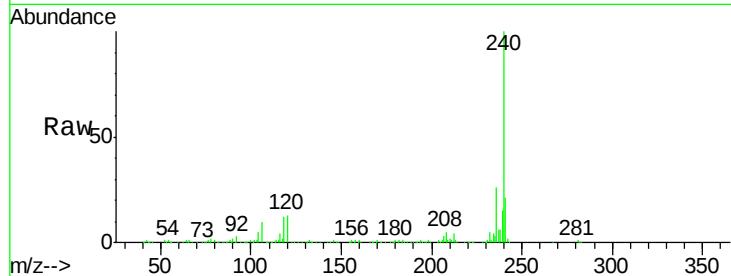
Tot Ion:240 Resp: 347521

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

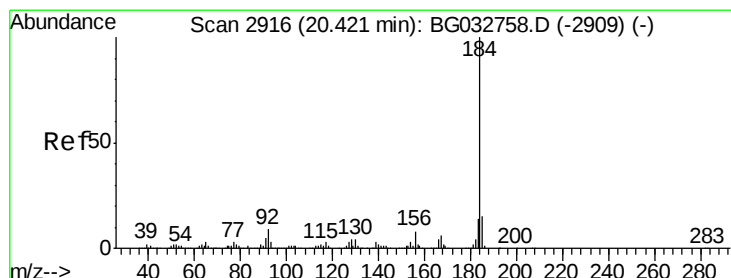
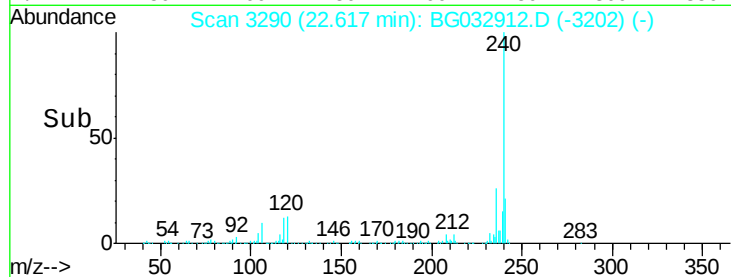
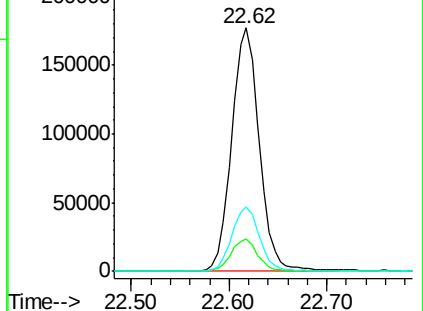
236 26.3 20.9 31.3



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: 2.224 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

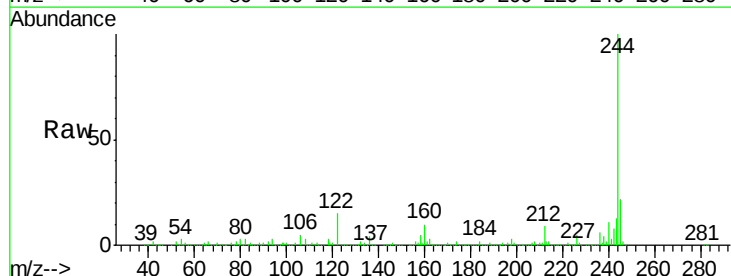
Tgt Ion:184 Resp: 26346

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

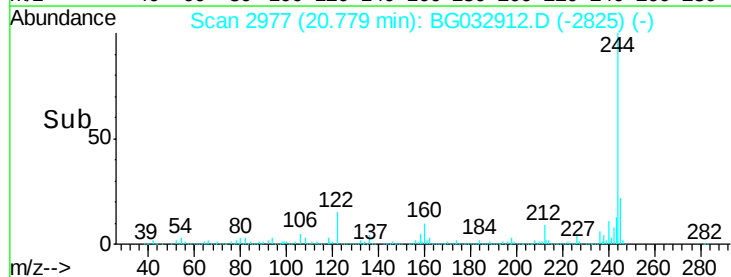
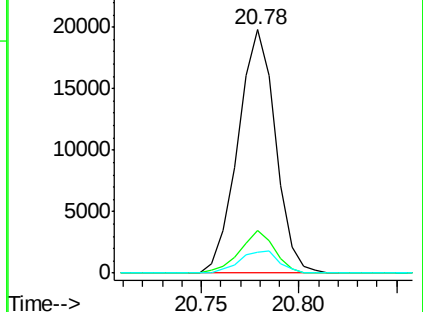
183 8.4 10.6 16.0#

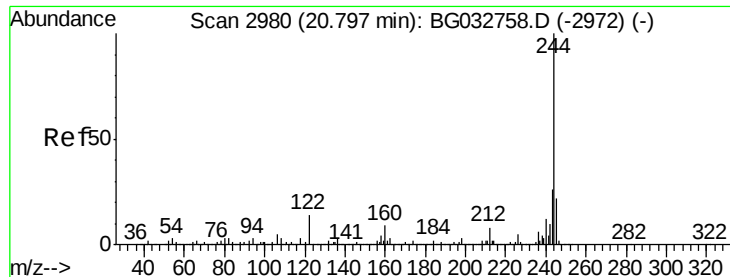


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.562 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

Instrument :

BNA_G

ClientSampled :

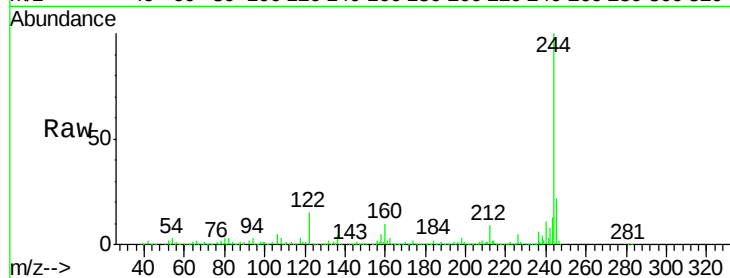
Tot Ion:244 Resp: 1509074

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

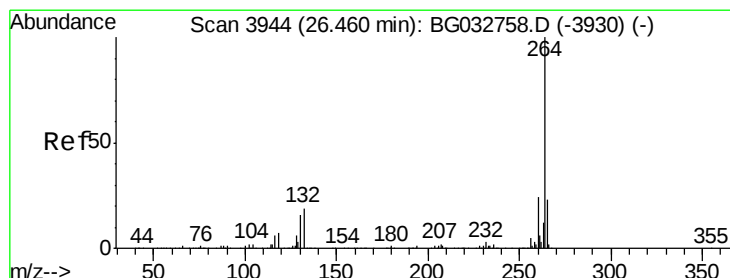
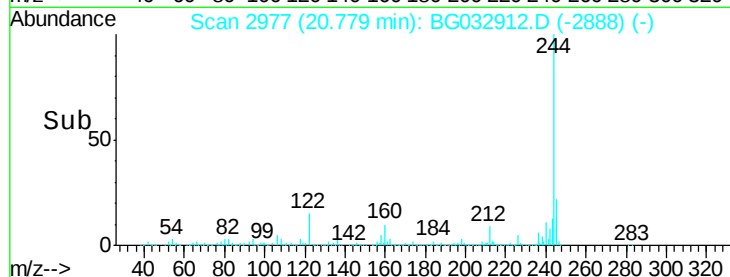
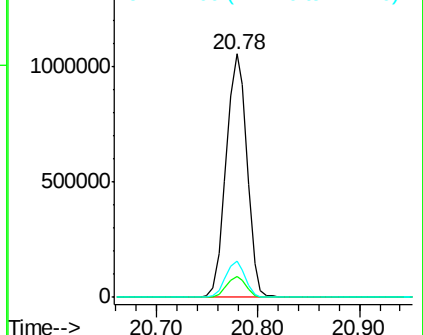
122 14.7 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032912.D

Acq: 1 Mar 2018 7:49

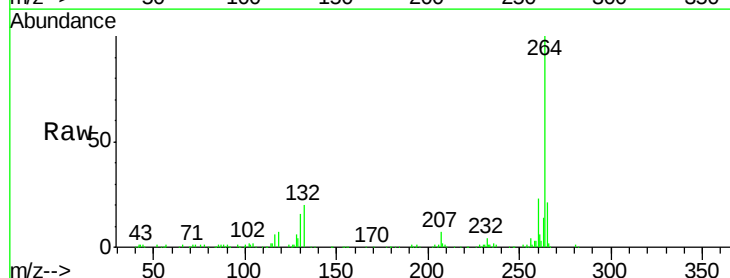
Tgt Ion:264 Resp: 331668

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.4 17.7 26.5



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

