

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033155.D
 Acq On : 14 Mar 2018 20:17
 Operator : SJ/JU
 Sample : J1898-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:11:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	36638	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	153938	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	92464	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	243289	20.00	ng	0.00
75) Chrysene-d12	22.60	240	227792	20.00	ng	-0.01
86) Perylene-d12	26.40	264	239049	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	324262	141.59	ng	0.00
7) Phenol-d6	8.01	99	396599	124.25	ng	0.00
23) Nitrobenzene-d5	10.10	82	285259	123.51	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	225536	231.98	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	642875	100.28	ng	0.00
78) Terphenyl-d14	20.76	244	1162507	114.66	ng	0.00

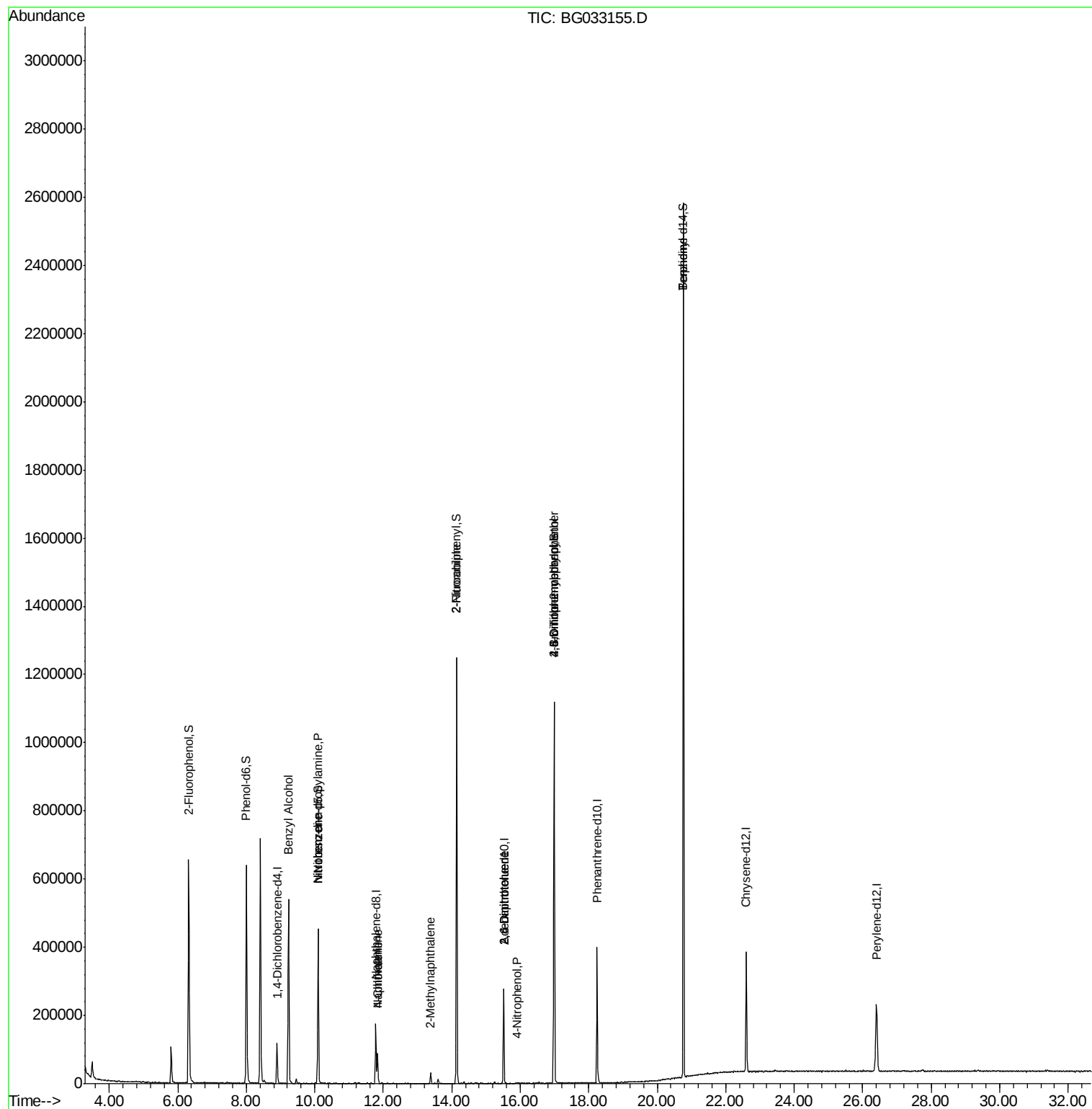
Target Compounds				Qvalue		
15) Benzyl Alcohol	9.23	79	5015	2.137	ng	# 34
19) n-Nitroso-di-n-propylamine	10.10	70	38222	16.961	ng	# 85
24) Nitrobenzene	10.09	77	920	6.705	ng	# 39
31) Naphthalene	11.84	128	79661	9.903	ng	# 99
33) 4-Chloroaniline	11.84	127	10599	2.947	ng	# 35
37) 2-Methylnaphthalene	13.39	142	14742	2.533	ng	# 93
47) 2-Nitroaniline	14.14	65	1202	10.464	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	12355	16.643	ng	# 20
55) 4-Nitrophenol	15.91	139	504	7.438	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	12355	14.843	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	505	5.830	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	15087	5.865	ng	# 1
76) Benzidine	20.76	184	20260	2.609	ng	# 94

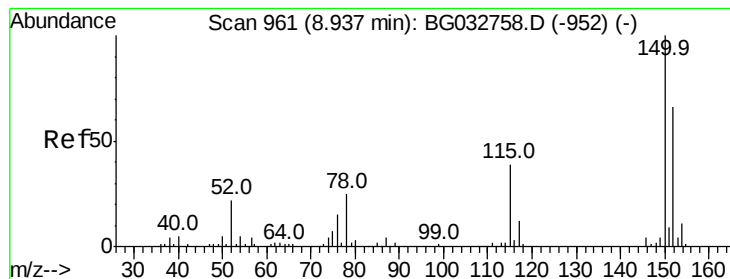
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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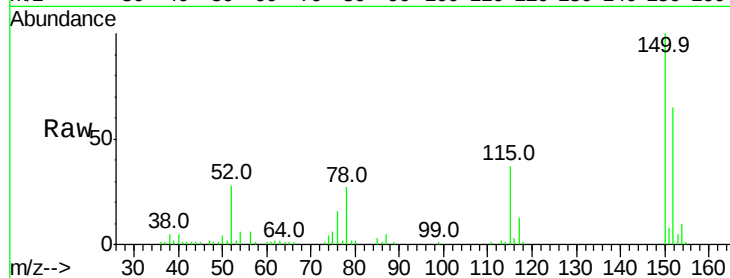


#1

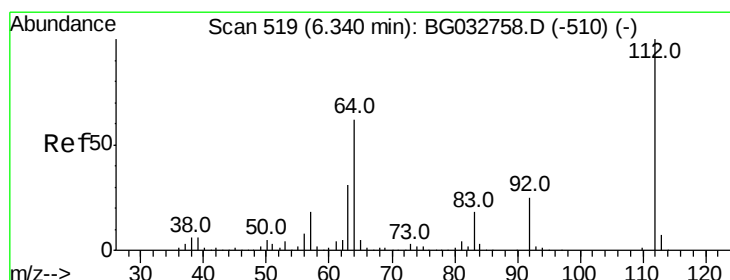
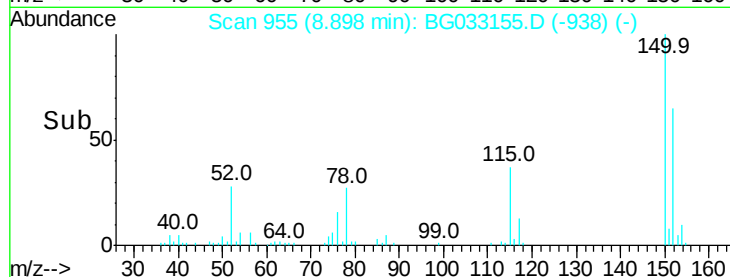
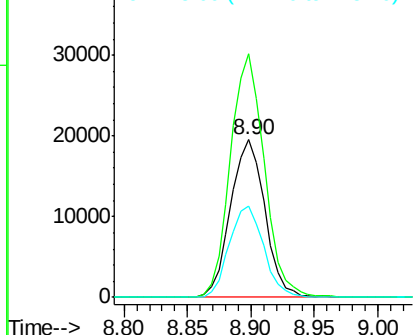
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 36638
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 57.6 53.0 79.4



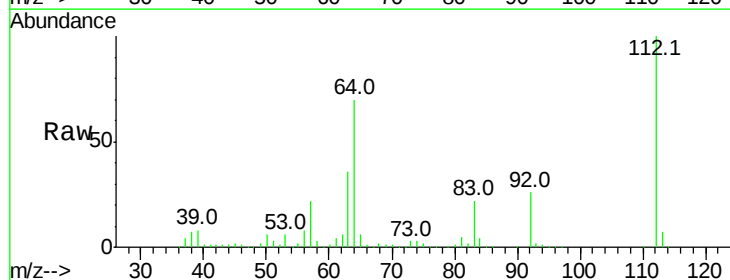
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



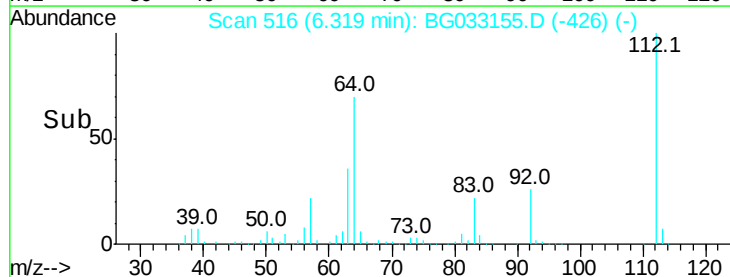
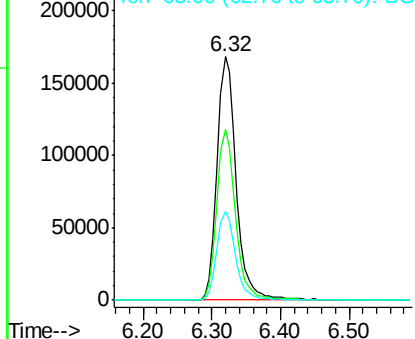
#5

2-Fluorophenol
Concen: 141.594 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Tgt Ion:112 Resp: 324262
Ion Ratio Lower Upper
112 100
64 70.2 56.3 84.5
63 36.4 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: 124.246 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033155.D

Acq: 14 Mar 2018 20:17

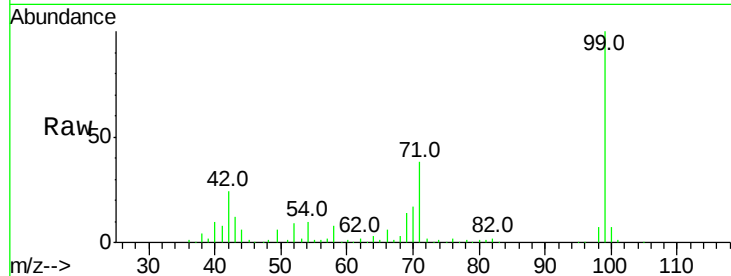
Instrument :

BNA_G

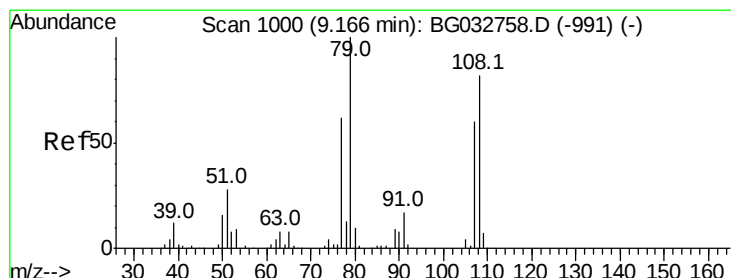
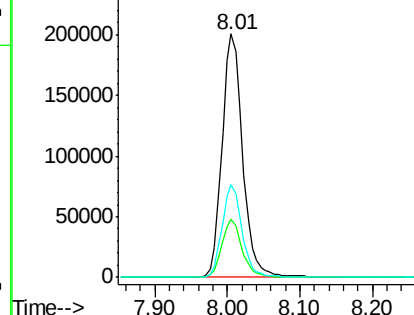
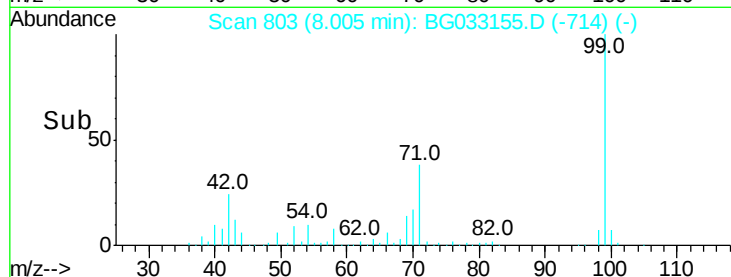
ClientSampled :

Tot Ion: 99 Resp: 396599

Ion	Ratio	Lower	Upper
99	100		
42	24.0	14.1	21.1#
71	37.8	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



#15

Benzyl Alcohol

Concen: 2.137 ng

RT: 9.23 min Scan# 1012

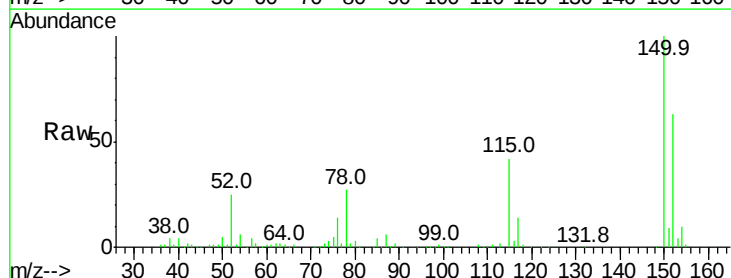
Delta R.T. 0.10 min

Lab File: BG033155.D

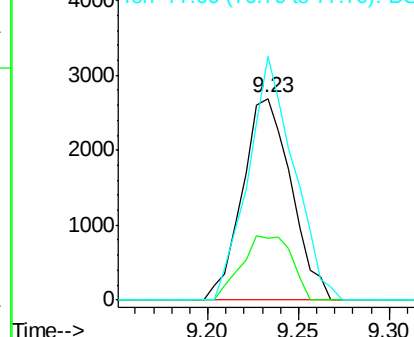
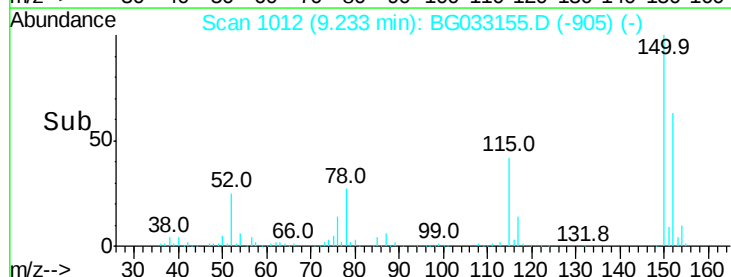
Acq: 14 Mar 2018 20:17

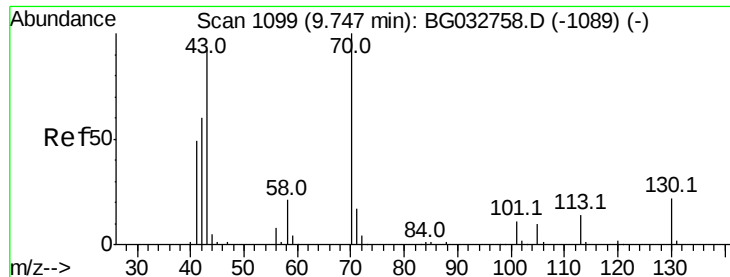
Tgt Ion: 79 Resp: 5015

Ion	Ratio	Lower	Upper
79	100		
108	30.5	57.2	85.8#
77	120.9	46.1	69.1#



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

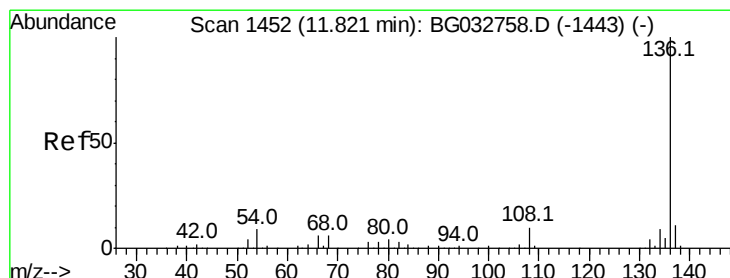
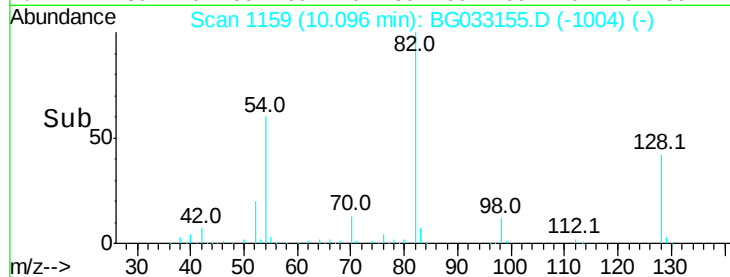
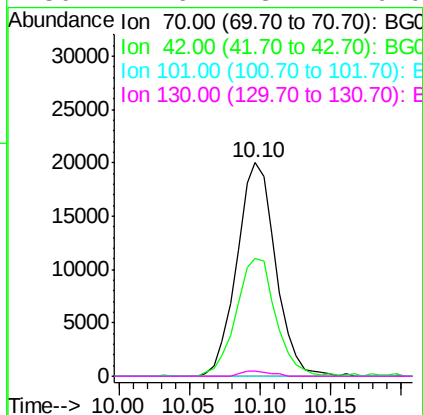
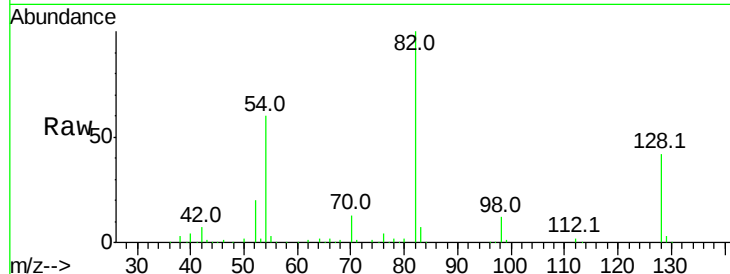




#19
n-Nitroso-di-n-propylamine
Concen: 16.961 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

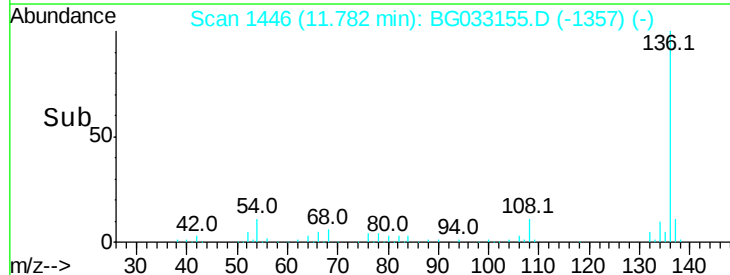
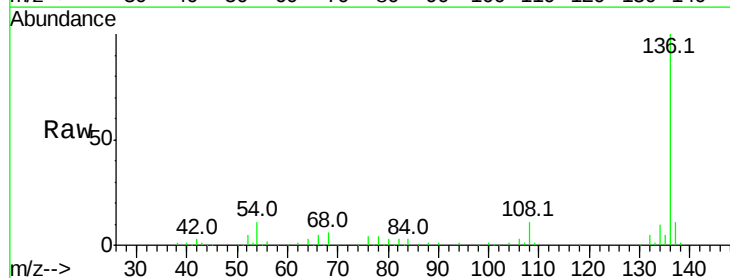
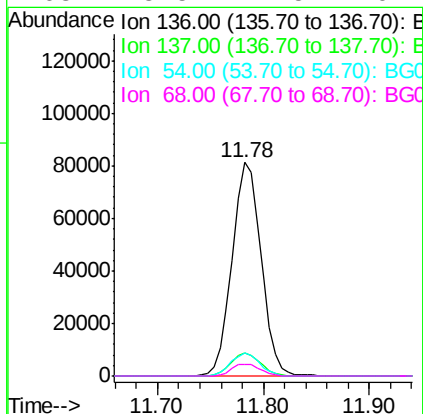
Instrument :
BNA_G
ClientSampleId :

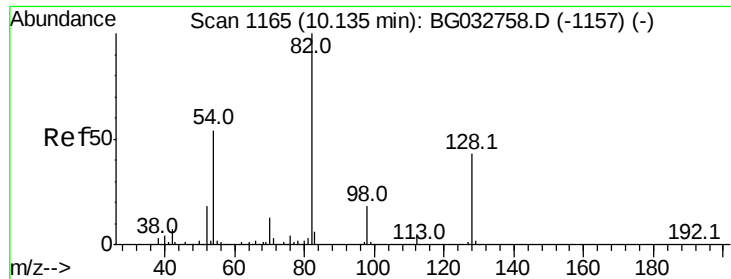
Tot Ion: 70 Resp: 38222
Ion Ratio Lower Upper
70 100
42 55.0 49.1 73.7
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Tgt Ion:136 Resp: 153938
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 10.9 10.3 15.5
68 5.5 4.5 6.7

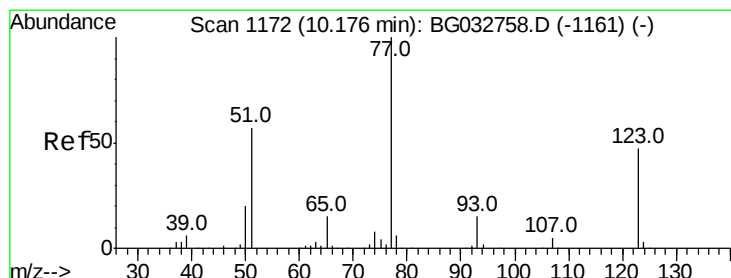
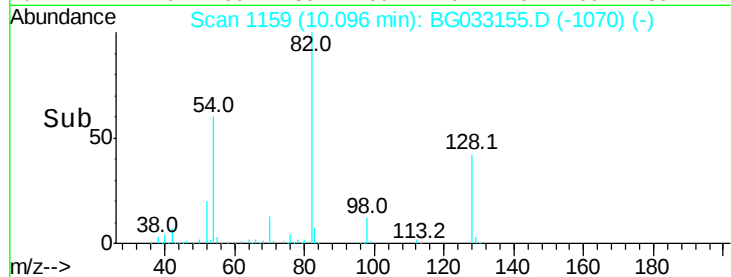
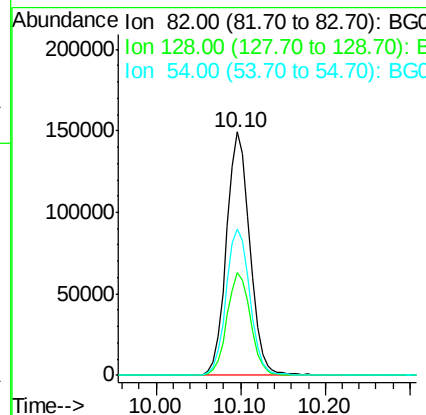
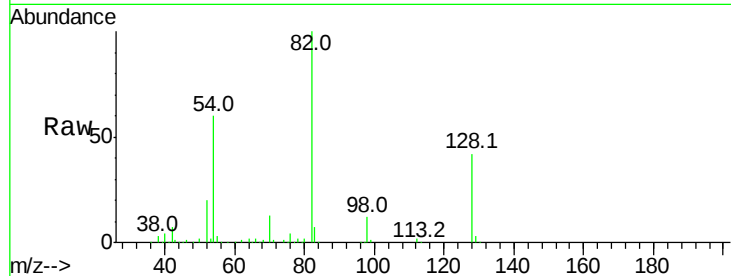




#23
 Nitrobenzene-d5
 Concen: 123.511 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

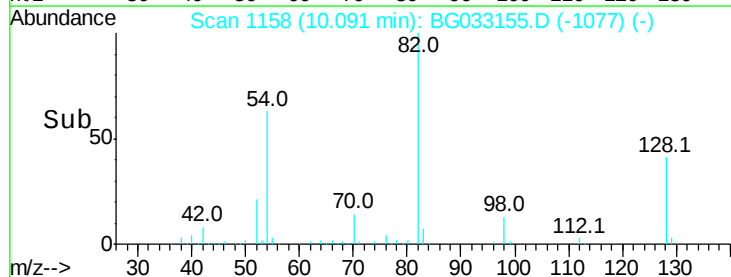
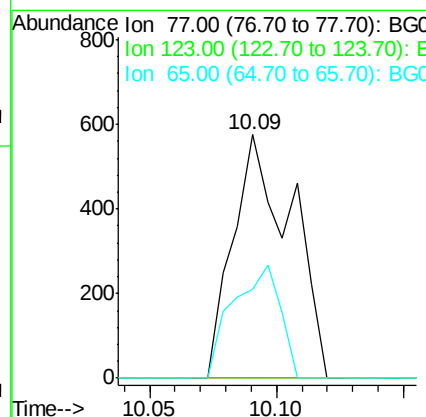
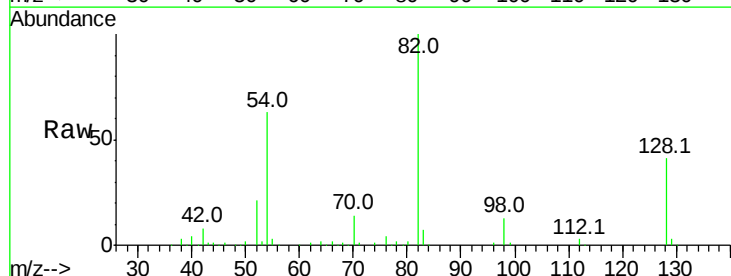
Instrument :
 BNA_G
 ClientSampleId :

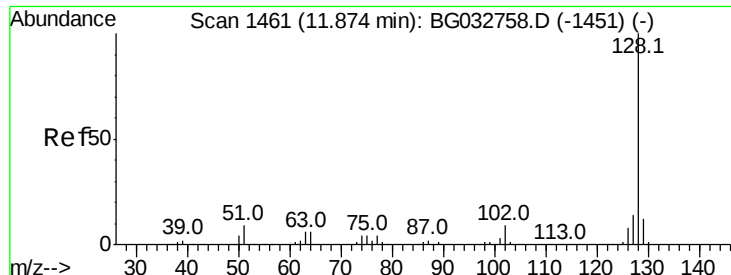
Tot Ion	82	Resp	285259
Ion Ratio	100	Lower	Upper
128	42.4	29.7	44.5
54	60.0	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.705 ng
 RT: 10.09 min Scan# 1158
 Delta R.T. -0.05 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Tgt Ion	77	Resp	920
Ion Ratio	100	Lower	Upper
123	0.0	33.0	49.6#
65	36.6	13.0	19.6#

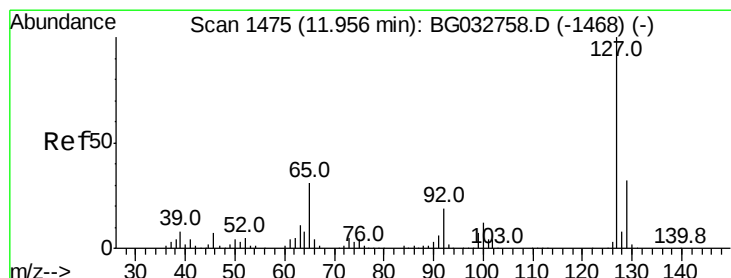
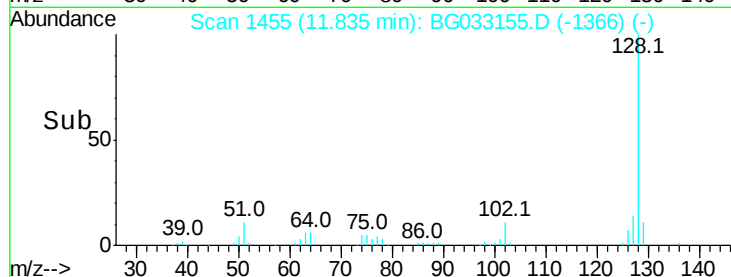
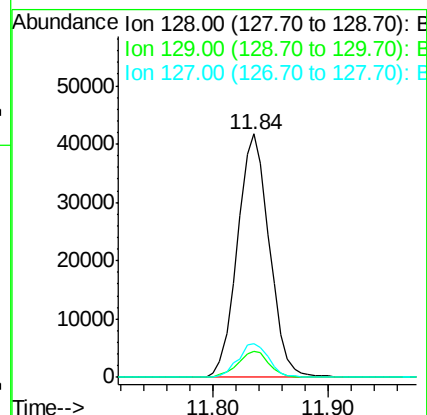
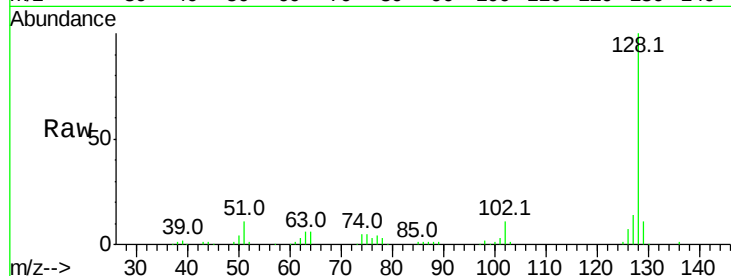




#31
Naphthalene
Concen: 9.903 ng
RT: 11.84 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

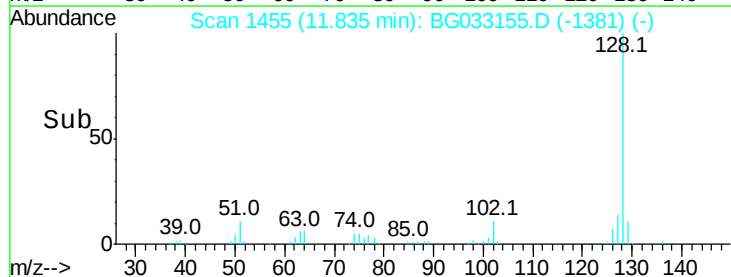
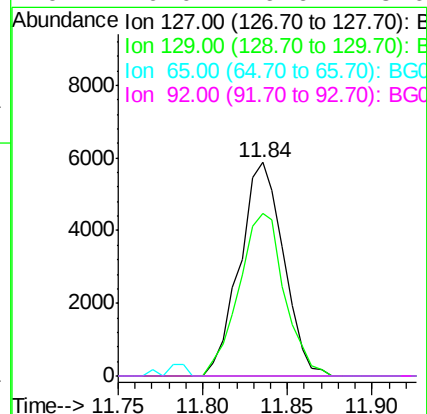
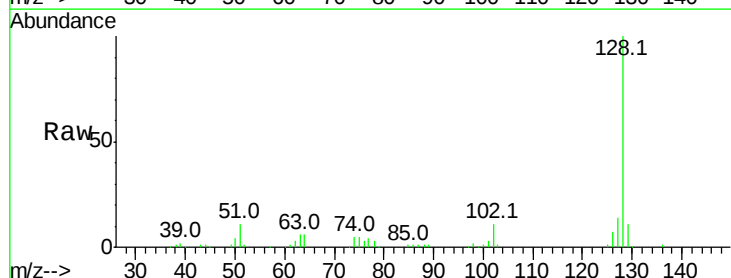
Instrument :
BNA_G
ClientSampled :

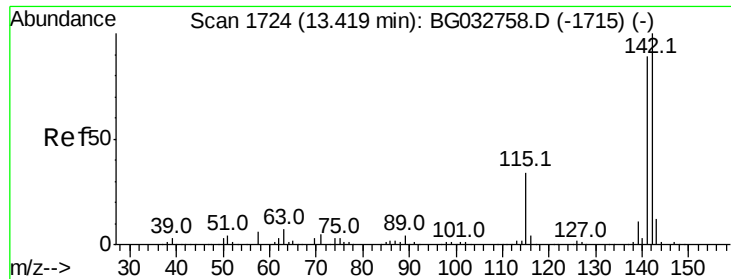
Tot Ion:128 Resp: 79661
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 14.1 11.6 17.4



#33
4-Chloroaniline
Concen: 2.947 ng
RT: 11.84 min Scan# 1455
Delta R.T. -0.09 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Tgt Ion:127 Resp: 10599
Ion Ratio Lower Upper
127 100
129 76.2 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

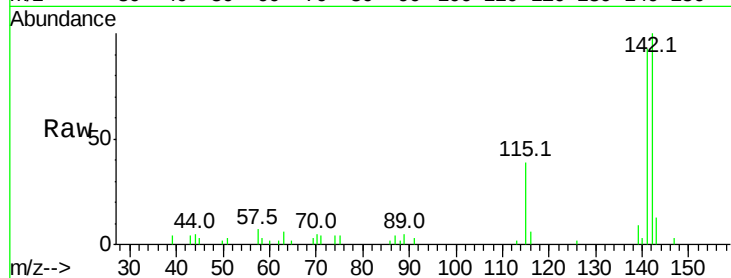




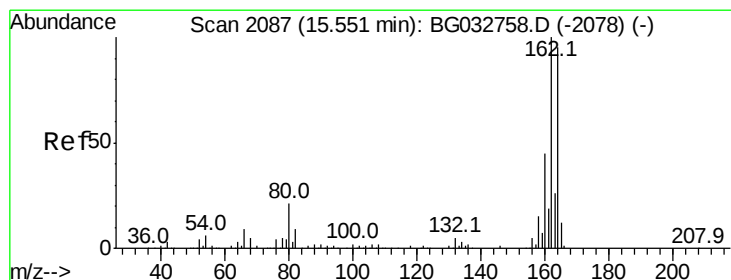
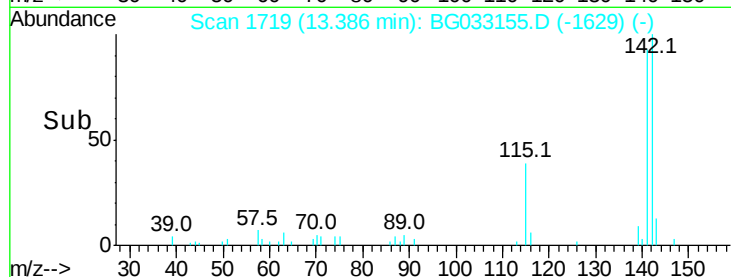
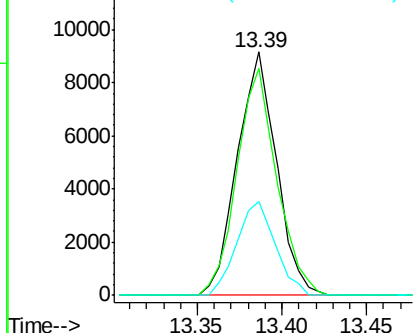
#37
 2-Methylnaphthalene
 Concen: 2.533 ng
 RT: 13.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:142 Resp: 14742
 Ion Ratio Lower Upper
 142 100
 141 93.4 67.1 100.7
 115 38.7 30.7 46.1

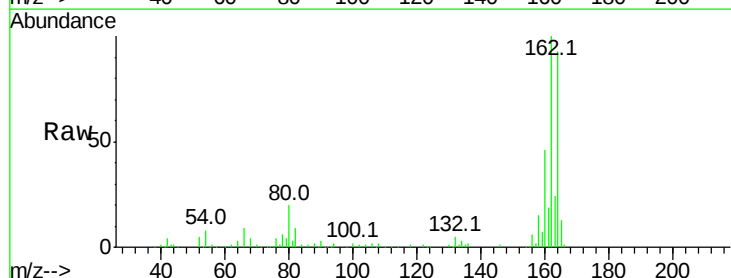


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

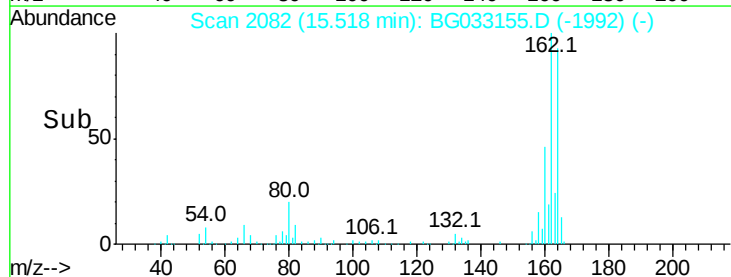
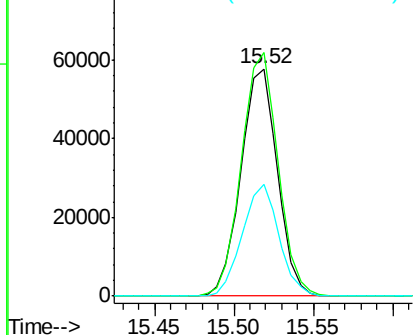


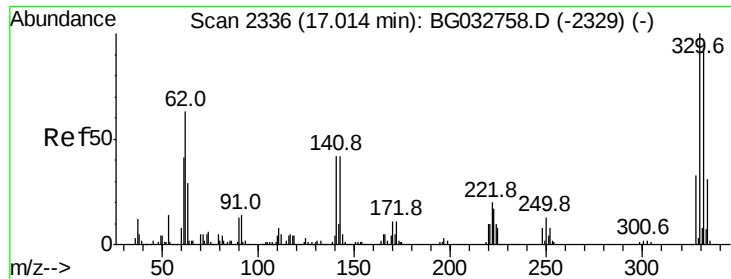
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Tgt Ion:164 Resp: 92464
 Ion Ratio Lower Upper
 164 100
 162 107.1 78.8 118.2
 160 49.3 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: 231.979 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BG033155.D

Acq: 14 Mar 2018 20:17

Instrument :

BNA_G

ClientSampleId :

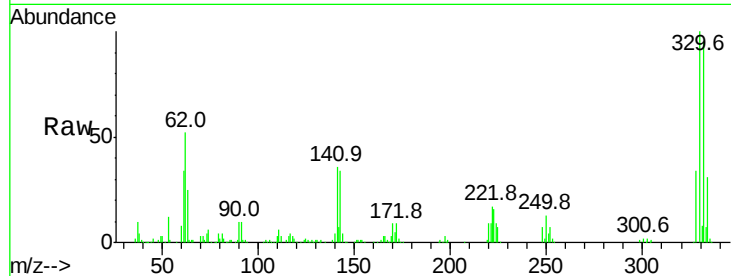
Tot Ion:330 Resp: 225536

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

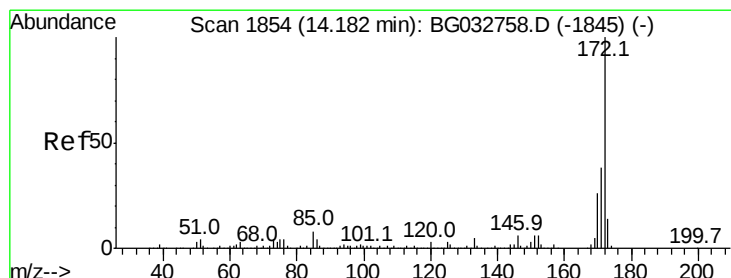
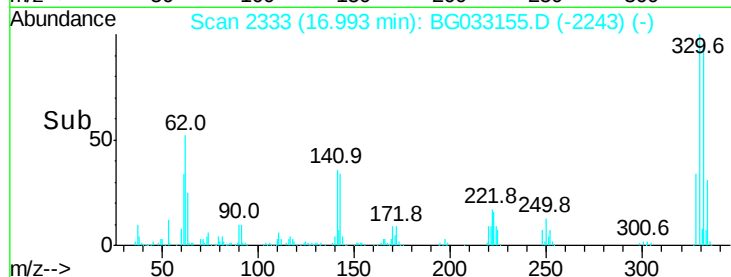
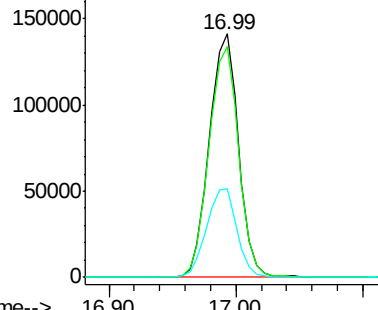
141 37.6 25.2 37.8



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: 100.276 ng

RT: 14.14 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BG033155.D

Acq: 14 Mar 2018 20:17

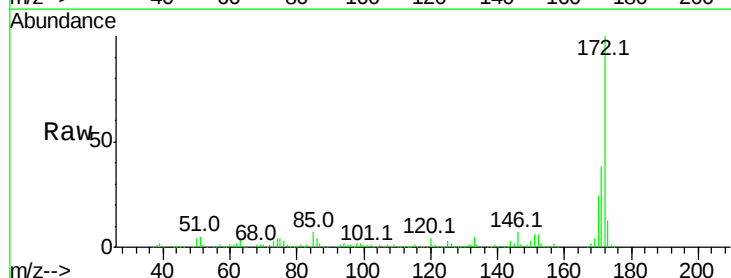
Tgt Ion:172 Resp: 642875

Ion Ratio Lower Upper

172 100

171 37.5 30.0 45.0

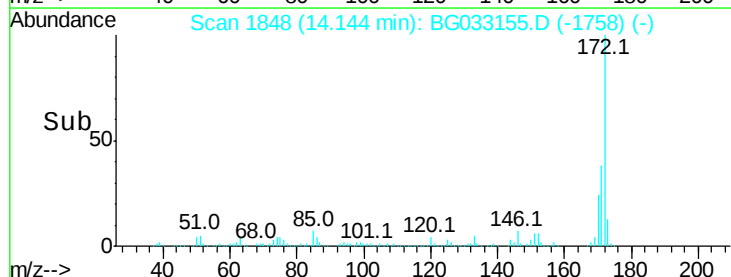
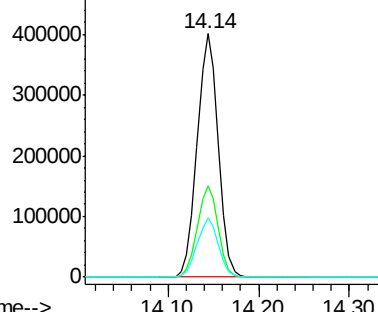
170 24.5 19.5 29.3

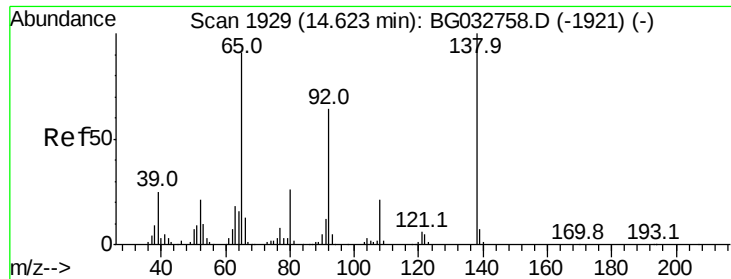


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

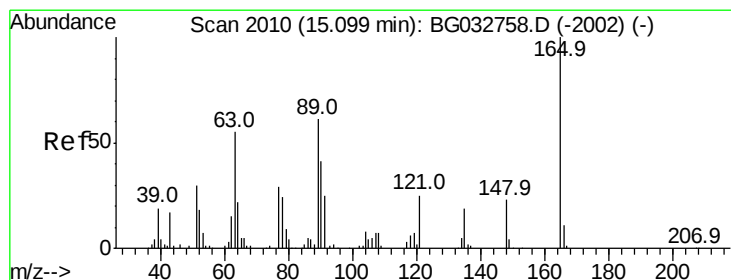
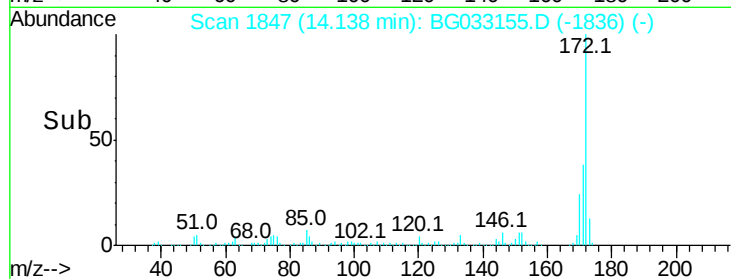
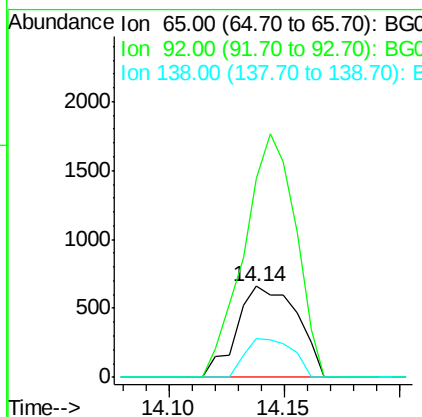
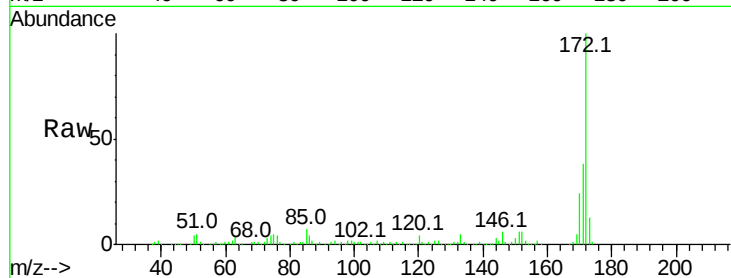




#47
2-Nitroaniline
Concen: 10.464 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

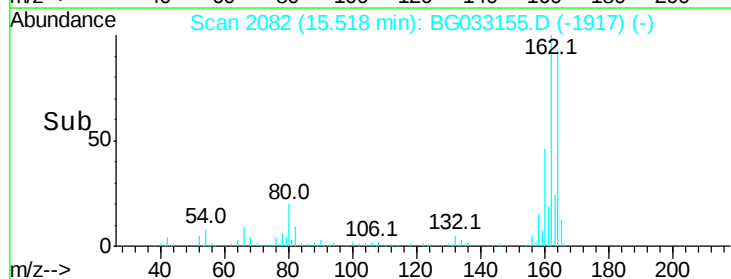
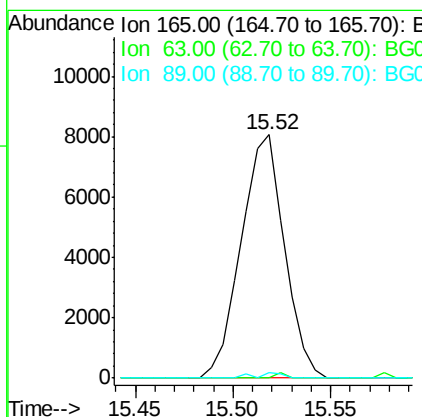
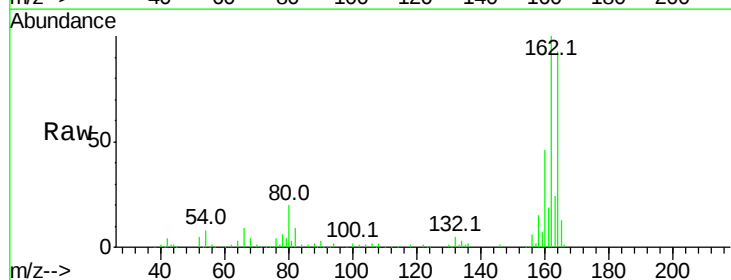
Instrument :
BNA_G
ClientSampleId :

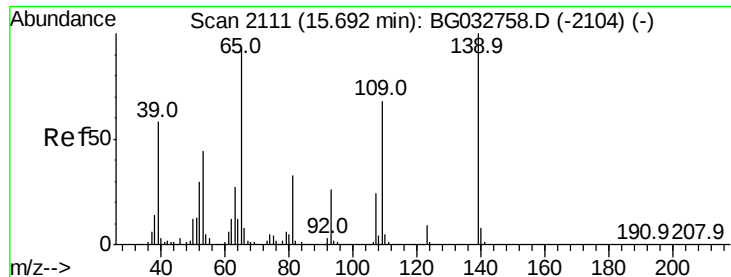
Tot Ion: 65 Resp: 1202
Ion Ratio Lower Upper
65 100
92 218.5 54.6 82.0#
138 43.1 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.643 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.44 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Tgt Ion:165 Resp: 12355
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.438 ng

RT: 15.91 min Scan# 2148

Delta R.T. 0.21 min

Lab File: BG033155.D

Acq: 14 Mar 2018 20:17

Instrument :

BNA_G

ClientSampleId :

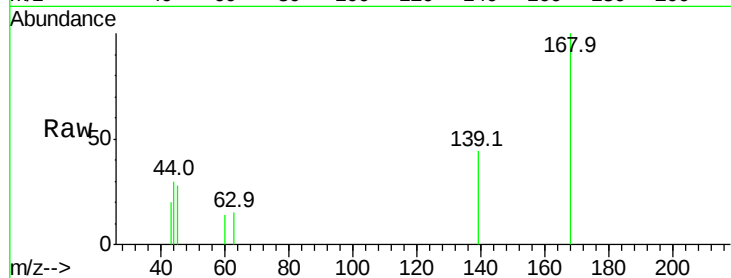
Tot Ion:139 Resp: 504

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

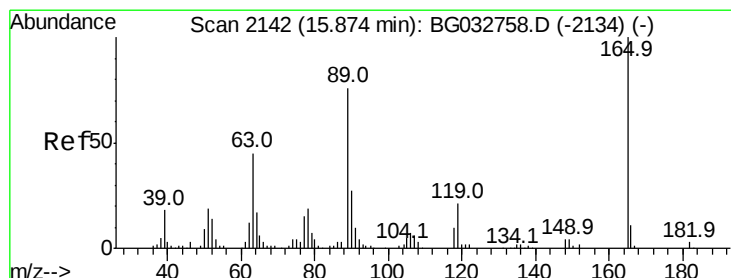
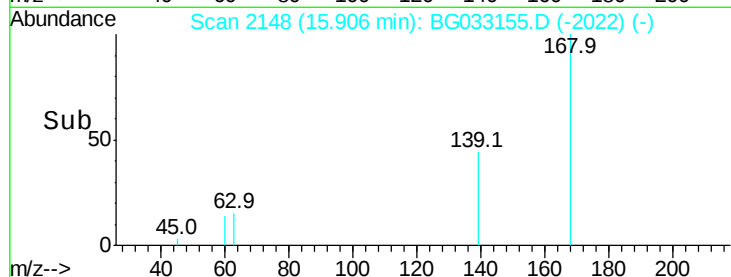
65 0.0 97.2 137.2#



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): B

15.91

Time-->



#56

2,4-Dinitrotoluene

Concen: 14.843 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.33 min

Lab File: BG033155.D

Acq: 14 Mar 2018 20:17

Tgt Ion:165 Resp: 12355

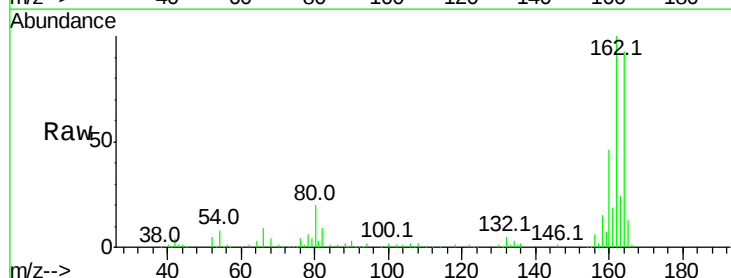
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

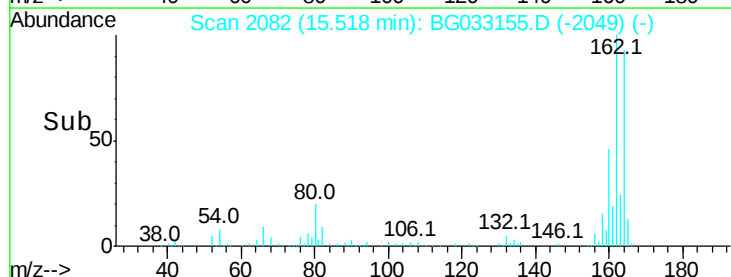
182 0.0 2.6 3.8#

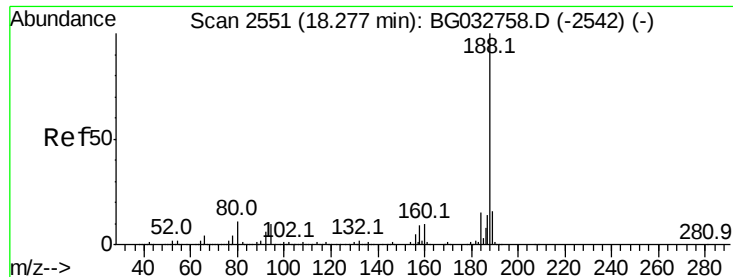


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E

15.52

Time-->

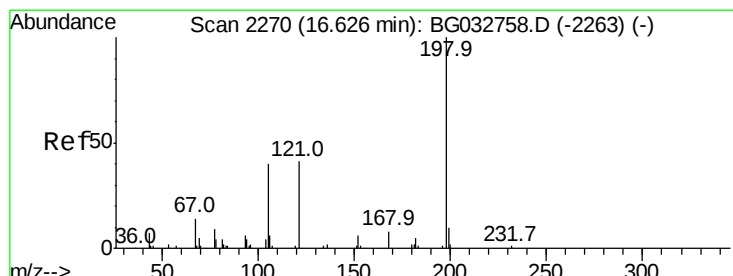
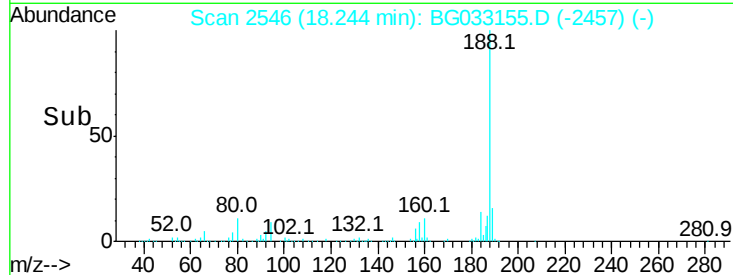
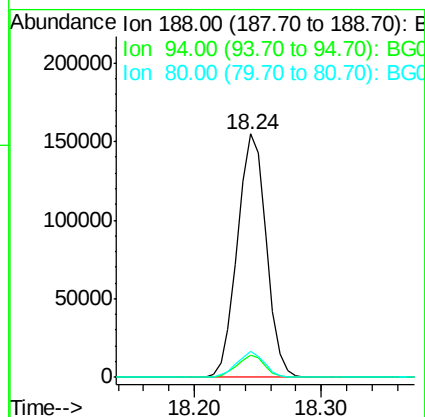
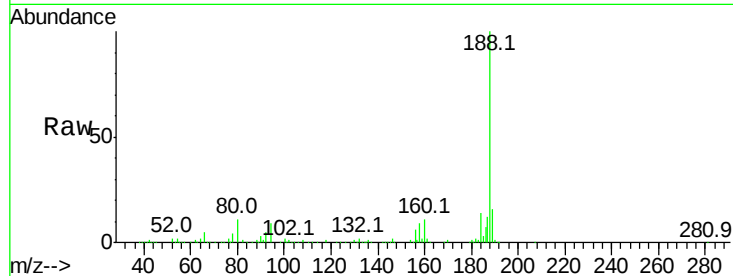




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

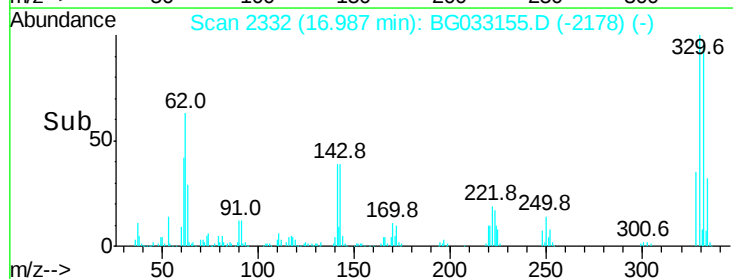
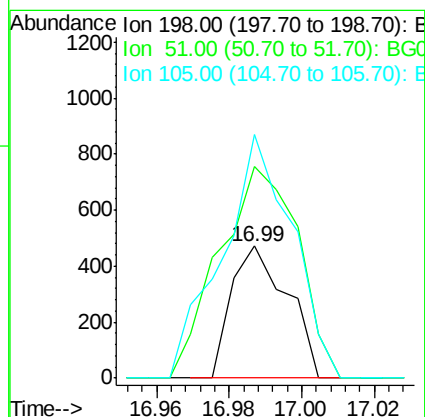
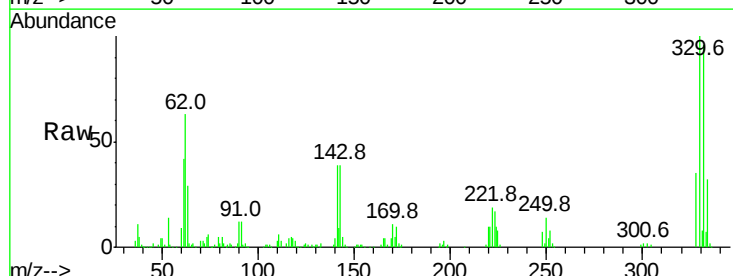
Instrument :
 BNA_G
 ClientSampleId :

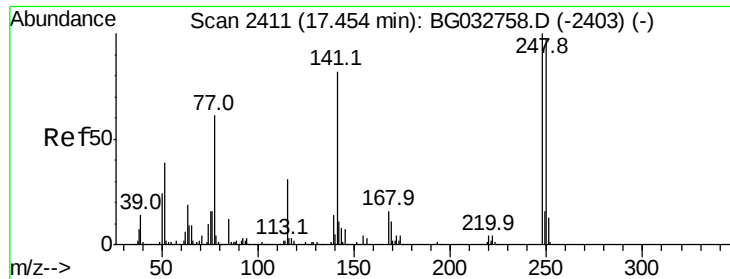
Tot Ion:188 Resp: 243289
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.9 10.3
 80 10.9 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.830 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Tgt Ion:198 Resp: 505
 Ion Ratio Lower Upper
 198 100
 51 160.9 30.6 70.6#
 105 184.7 23.8 63.8#

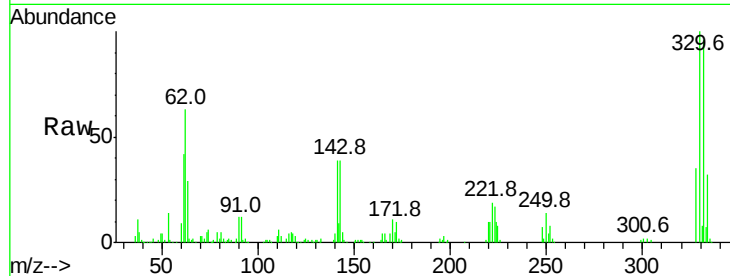




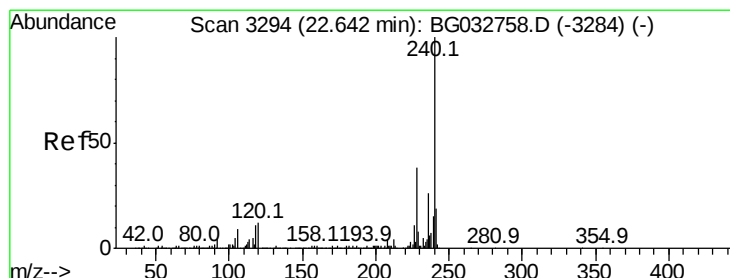
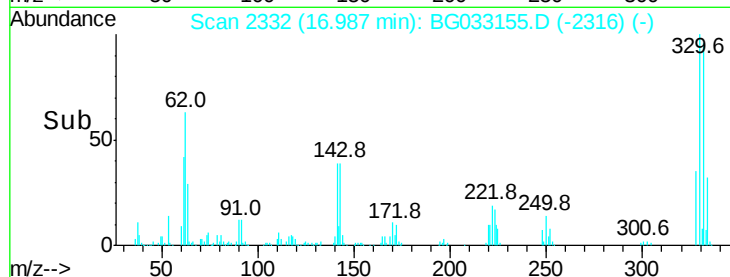
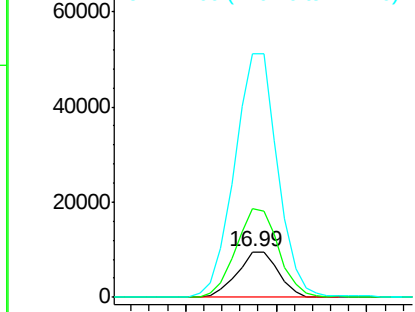
#66
 4-Bromophenyl-phenylether
 Concen: 5.865 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15087
 Ion Ratio Lower Upper
 248 100
 250 194.4 77.1 115.7#
 141 535.7 50.8 76.2#

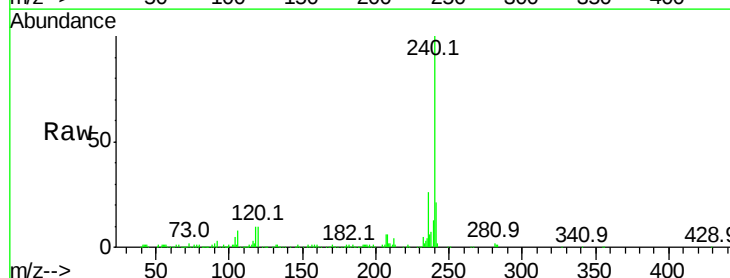


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

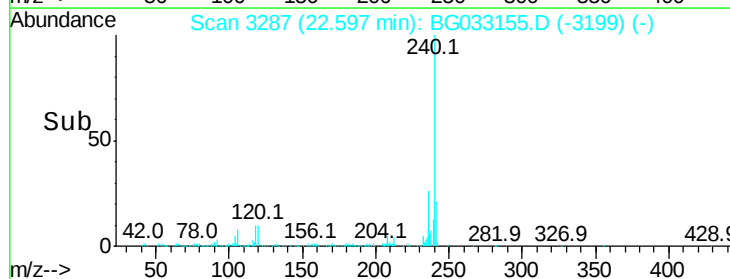
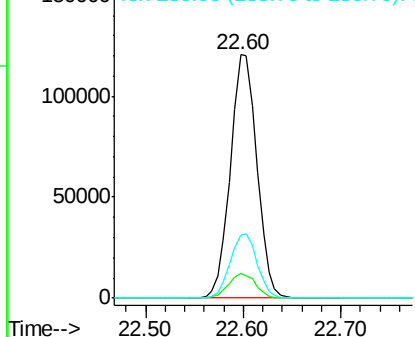


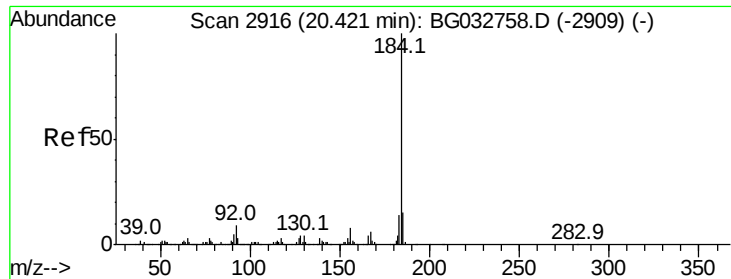
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033155.D
 Acq: 14 Mar 2018 20:17

Tgt Ion:240 Resp: 227792
 Ion Ratio Lower Upper
 240 100
 120 10.3 6.8 10.2#
 236 25.8 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

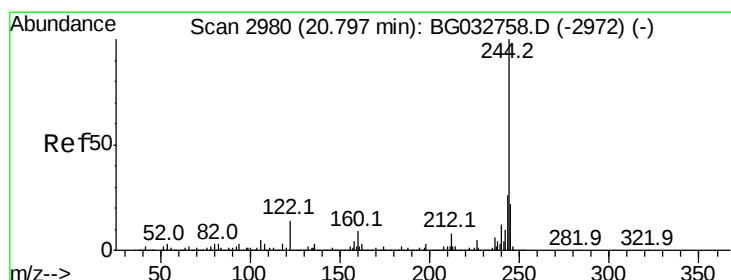
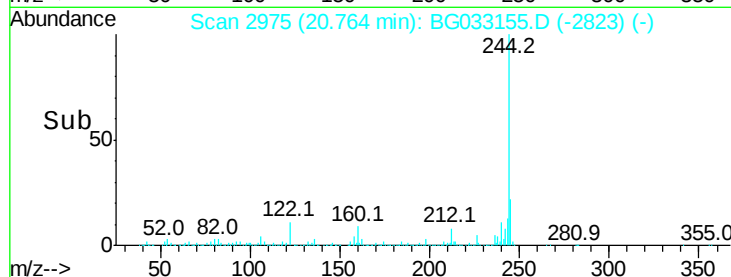
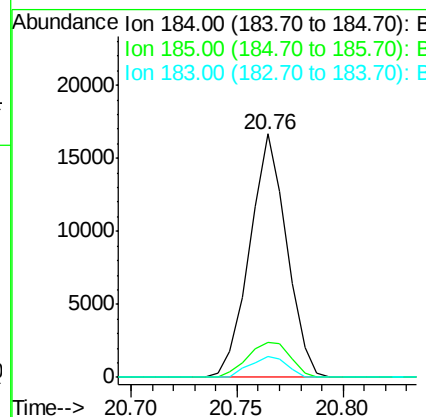
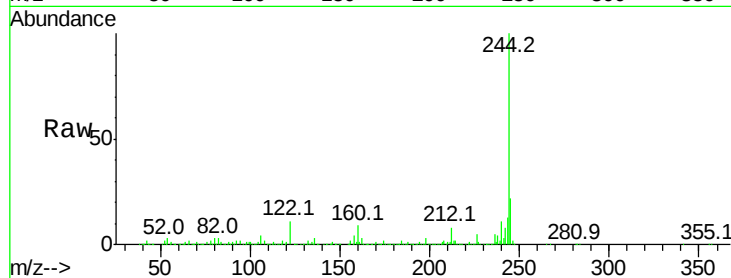




#76
Benzidine
Concen: 2.609 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.36 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

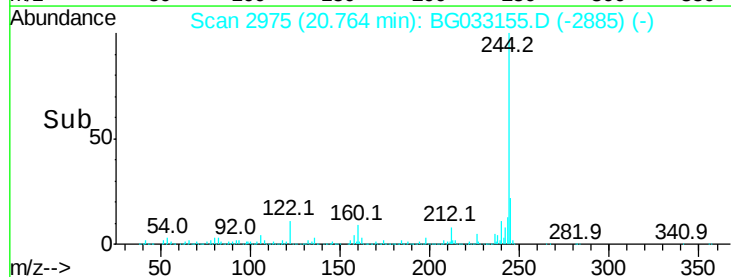
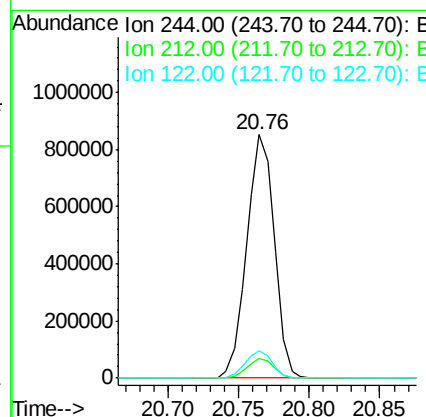
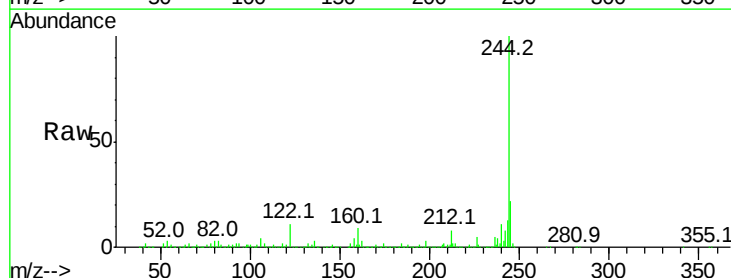
Instrument :
BNA_G
ClientSampleId :

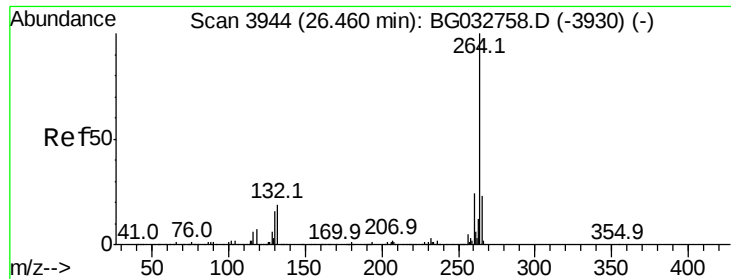
Tot Ion:184 Resp: 20260
Ion Ratio Lower Upper
184 100
185 14.4 11.1 16.7
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 114.659 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Tgt Ion:244 Resp: 1162507
Ion Ratio Lower Upper
244 100
212 8.2 5.8 8.8
122 11.2 7.0 10.4#

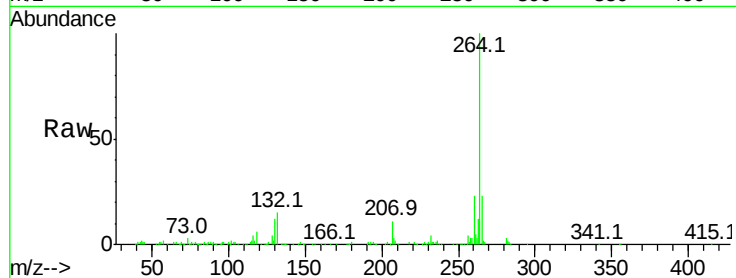




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033155.D
Acq: 14 Mar 2018 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	22.6	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

