

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030918\
 Data File : BG033082.D
 Acq On : 9 Mar 2018 21:15
 Operator : SJ/JU
 Sample : PB107212TB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 23:32:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

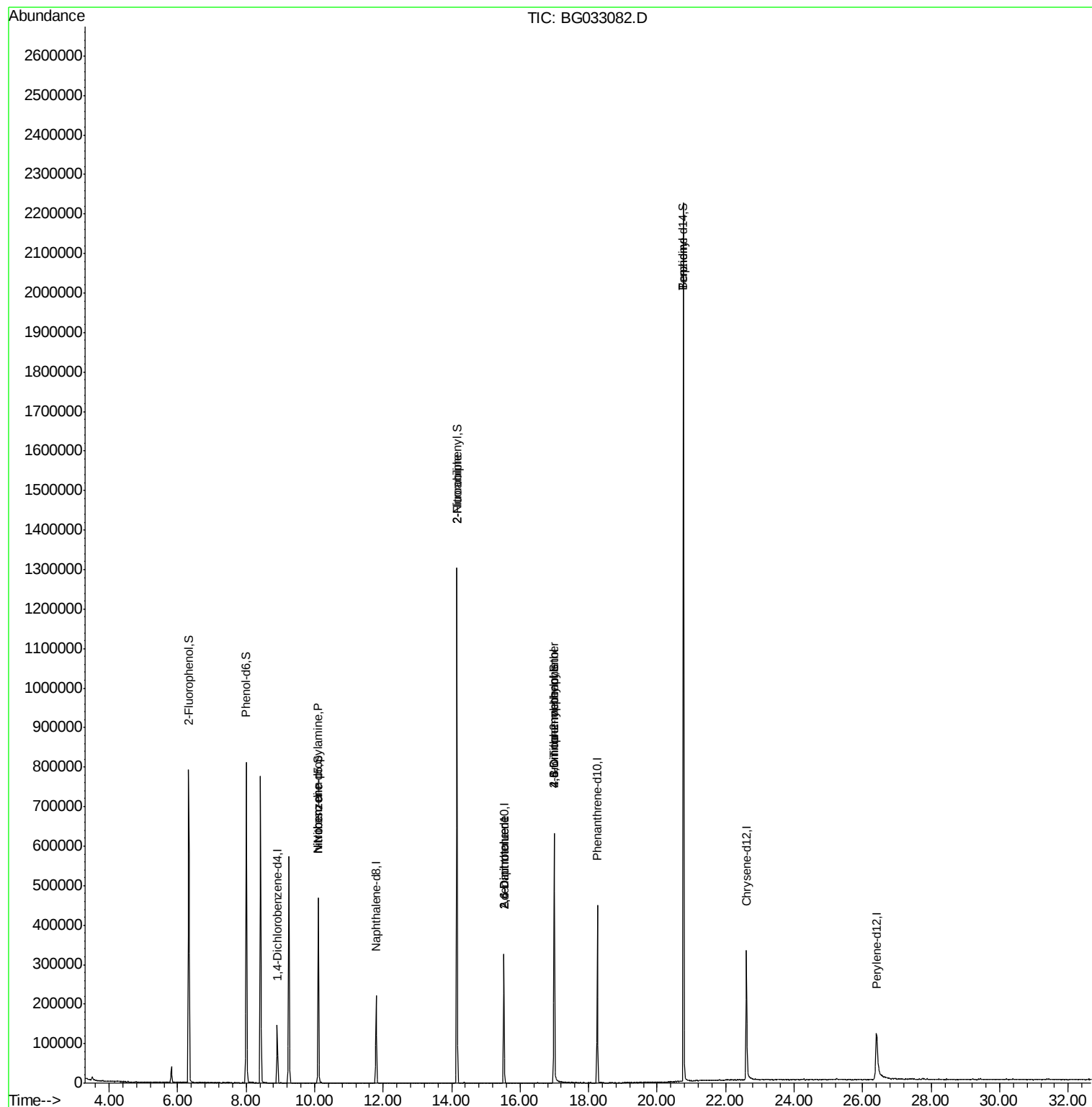
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	43746	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	196005	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110573	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	264867	20.00	ng	0.00
75) Chrysene-d12	22.60	240	247097	20.00	ng	0.00
86) Perylene-d12	26.41	264	213965	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	369562	135.15	ng	0.00
7) Phenol-d6	8.01	99	490648	128.73	ng	0.00
23) Nitrobenzene-d5	10.10	82	293845	101.82	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	122502	105.37	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	656519	85.63	ng	0.00
78) Terphenyl-d14	20.77	244	1029985	93.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	37954	14.106	ng	# 86
24) Nitrobenzene	10.10	77	923	6.636	ng	# 37
47) 2-Nitroaniline	14.15	65	1258	10.385	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	14807	16.660	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	14807	14.860	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	283	5.403	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8512	3.039	ng	# 1
76) Benzidine	20.77	184	17673	2.098	ng	# 92

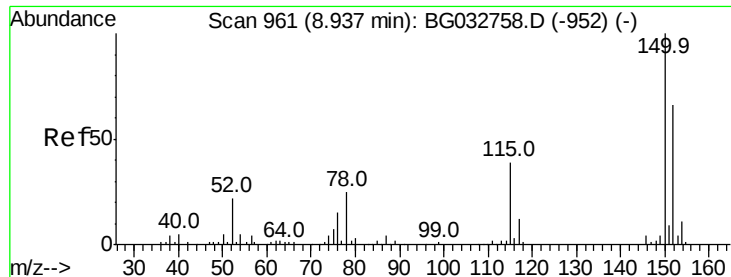
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030918\
Data File : BG033082.D
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
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QLast Update : Fri Mar 09 15:10:14 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.91 min Scan# 956

Delta R.T. -0.00 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Instrument :

BNA_G

ClientSampled :

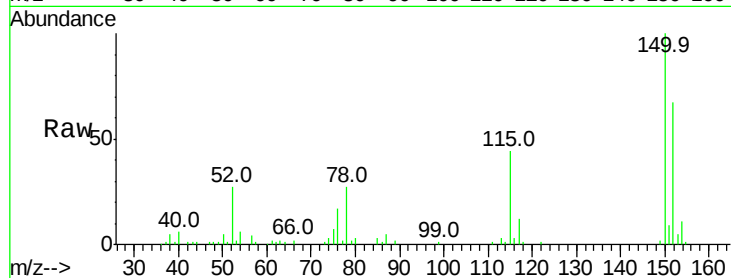
Tot Ion:152 Resp: 43746

Ion Ratio Lower Upper

152 100

150 149.2 126.6 189.8

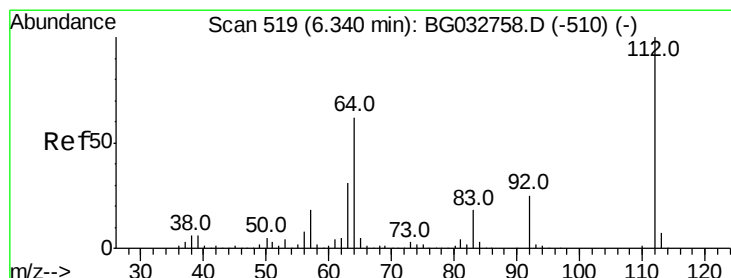
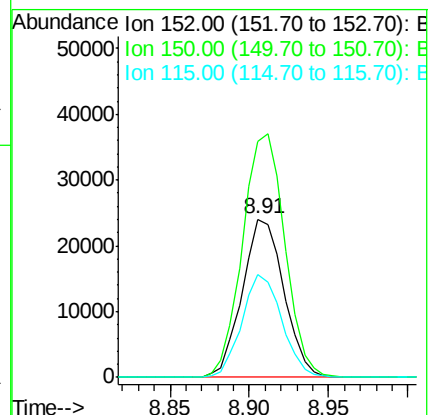
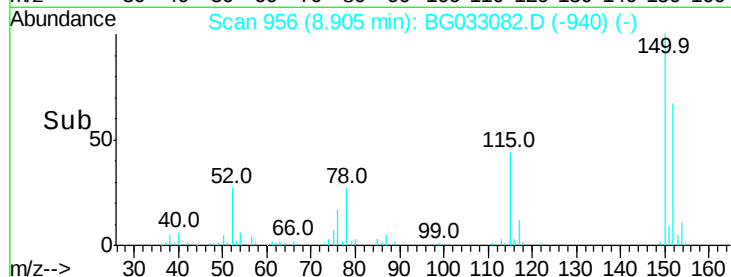
115 65.1 53.0 79.4



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: 135.154 ng

RT: 6.33 min Scan# 517

Delta R.T. 0.00 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

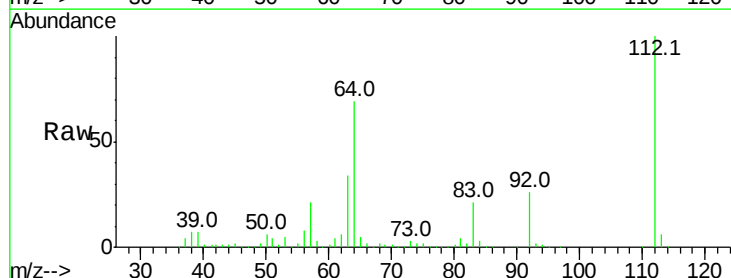
Tgt Ion:112 Resp: 369562

Ion Ratio Lower Upper

112 100

64 69.3 56.3 84.5

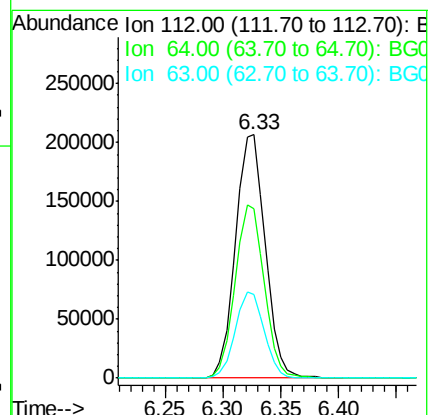
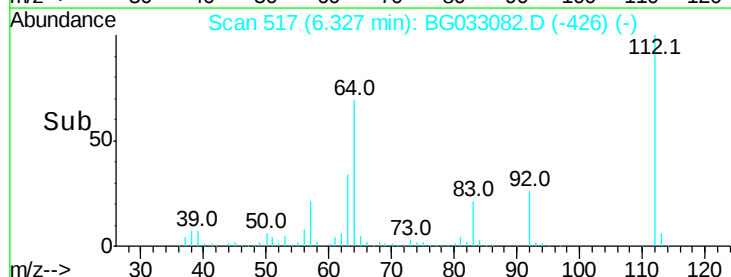
63 34.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 128.734 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Instrument :

BNA_G

ClientSampleId :

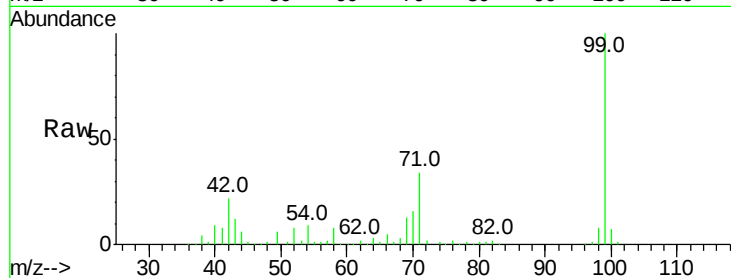
Tot Ion: 99 Resp: 490648

Ion Ratio Lower Upper

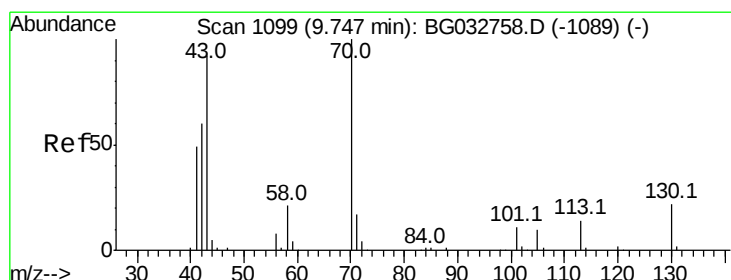
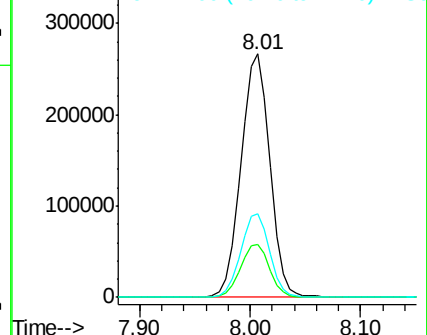
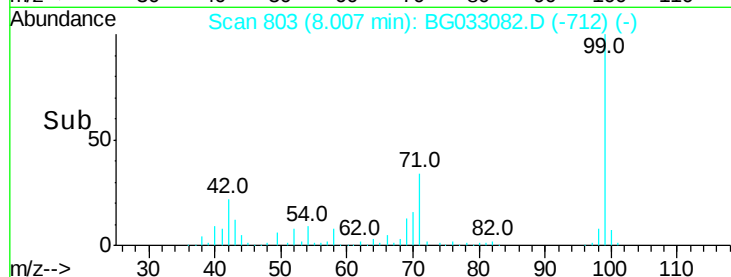
99 100

42 21.9 14.1 21.1#

71 34.2 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: 14.106 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.38 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Tgt Ion: 70 Resp: 37954

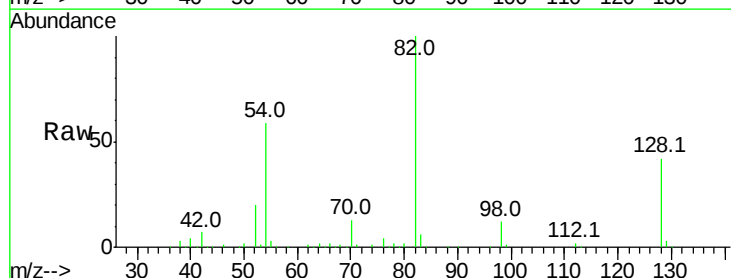
Ion Ratio Lower Upper

70 100

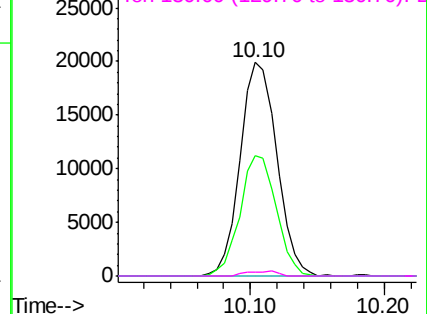
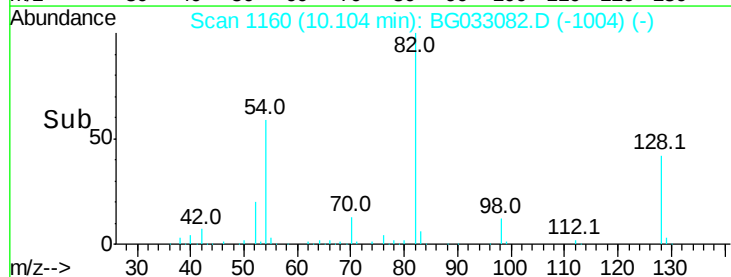
42 56.4 49.1 73.7

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

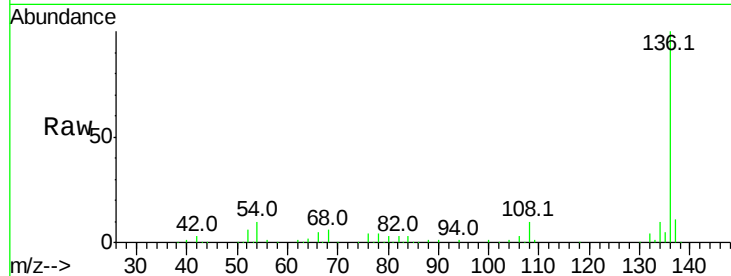




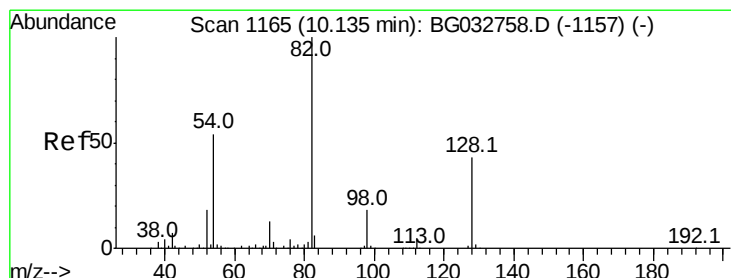
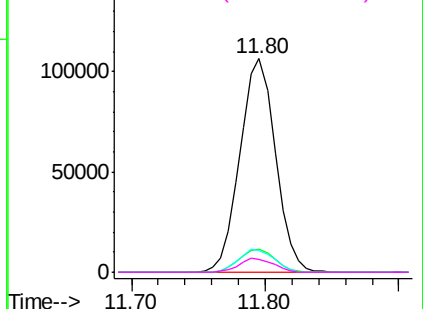
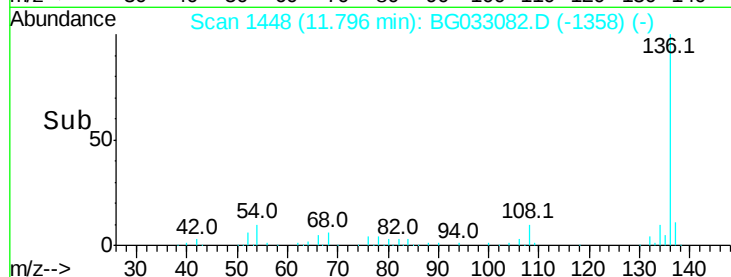
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033082.D
Acq: 9 Mar 2018 21:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	196005
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	10.1	10.3	15.5
68	6.1	4.5	6.7

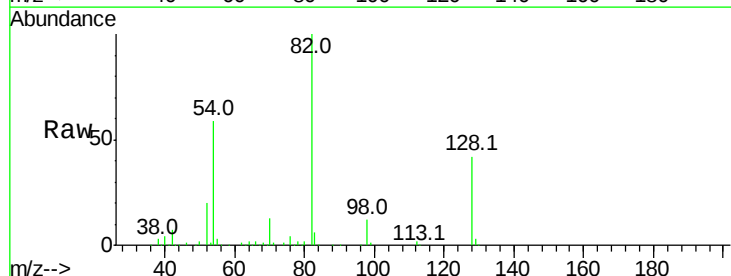


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

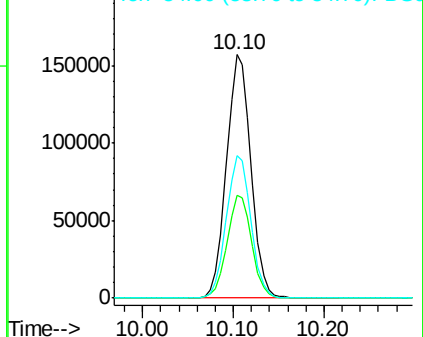
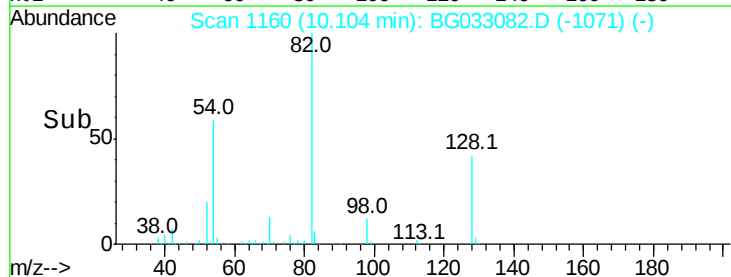


#23
Nitrobenzene-d5
Concen: 101.815 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BG033082.D
Acq: 9 Mar 2018 21:15

Tgt Ion:	82	Resp:	293845
Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.7	44.5
54	58.5	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 6.636 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Instrument :

BNA_G

ClientSampled :

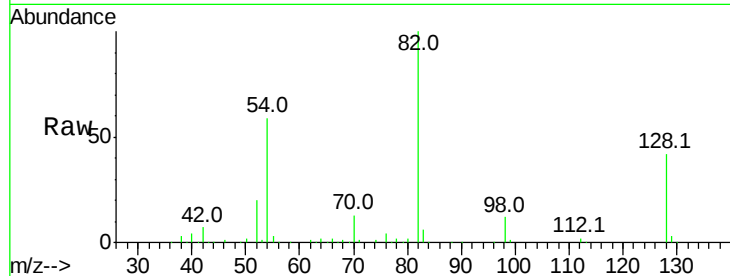
Tot Ion: 77 Resp: 923

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

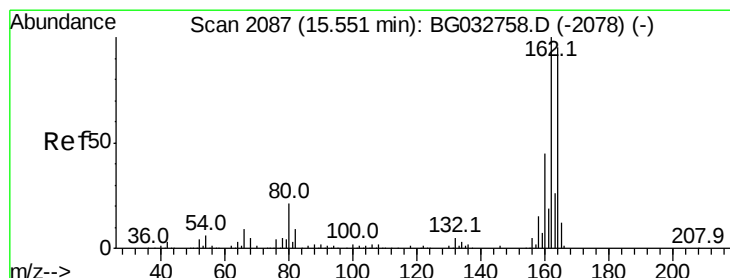
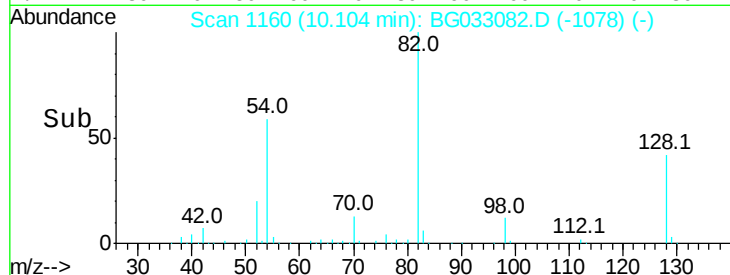
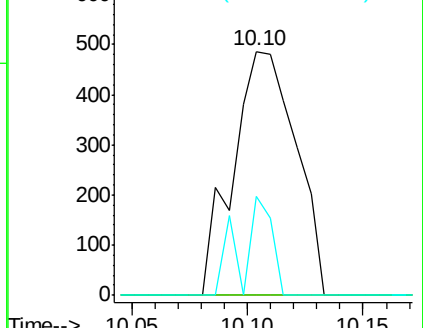
65 40.3 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

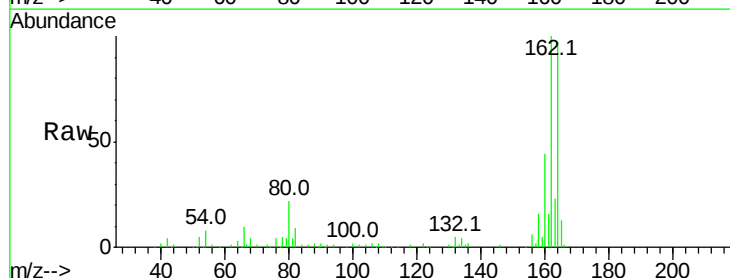
Tgt Ion:164 Resp: 110573

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

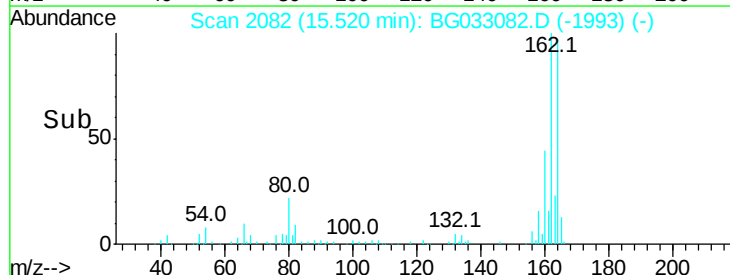
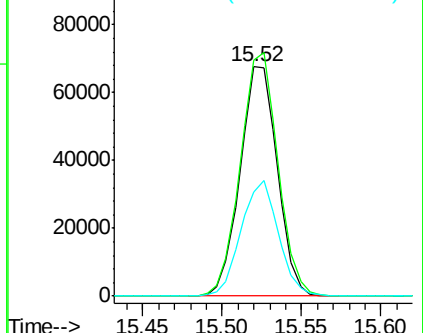
160 45.6 35.4 53.0

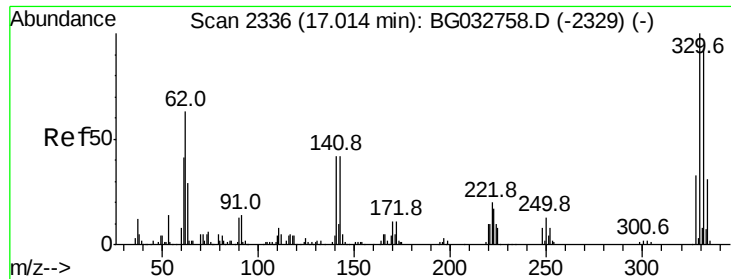


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

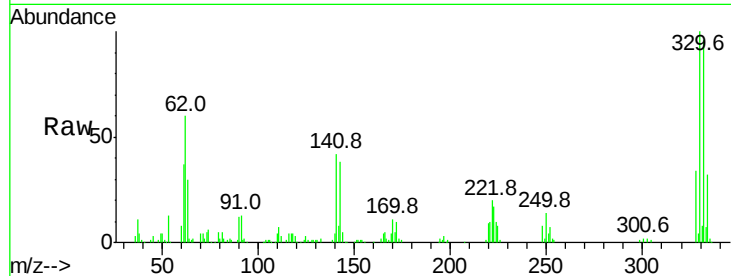




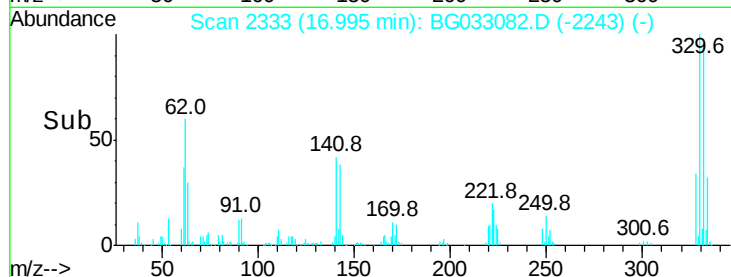
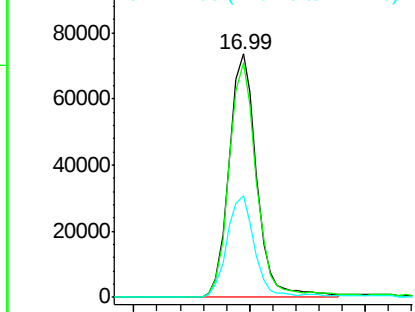
#41
 2,4,6-Tribromophenol
 Concen: 105.366 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 122502
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 41.0 25.2 37.8#

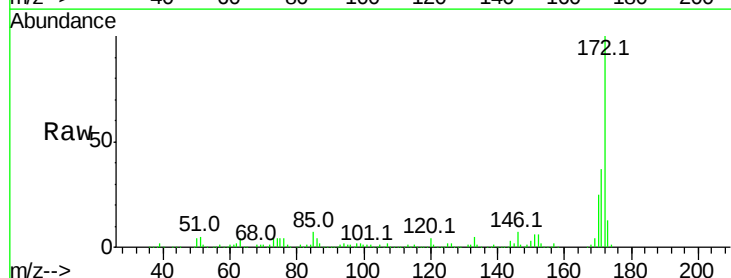


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

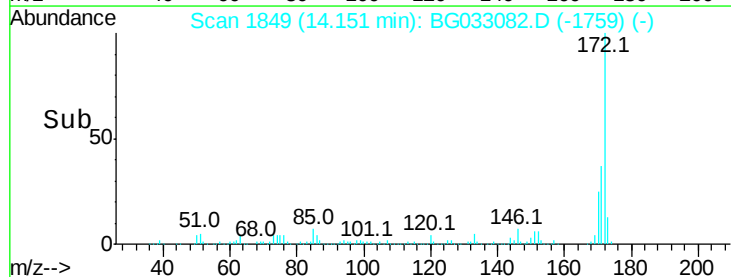
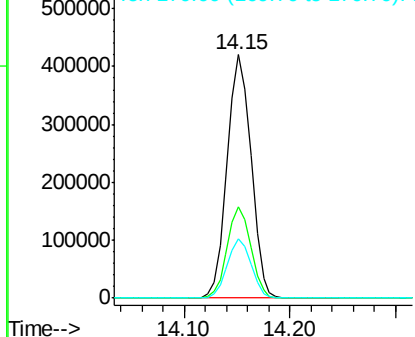


#44
 2-Fluorobiphenyl
 Concen: 85.633 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Tgt Ion:172 Resp: 656519
 Ion Ratio Lower Upper
 172 100
 171 37.3 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

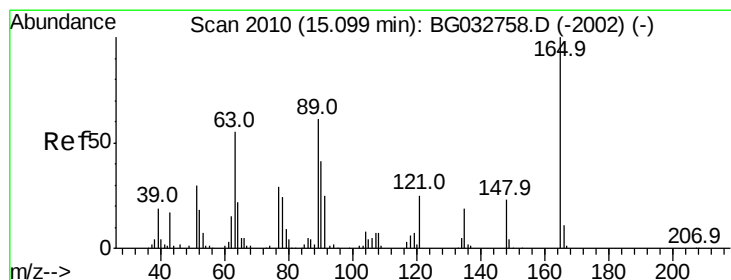
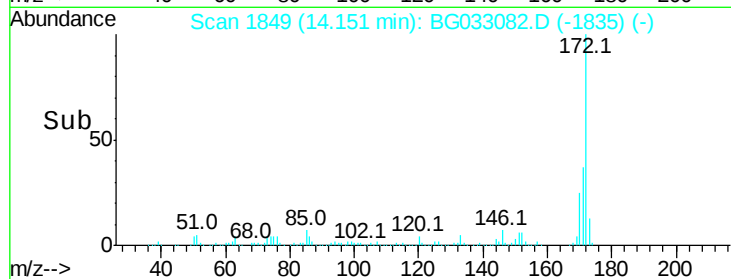
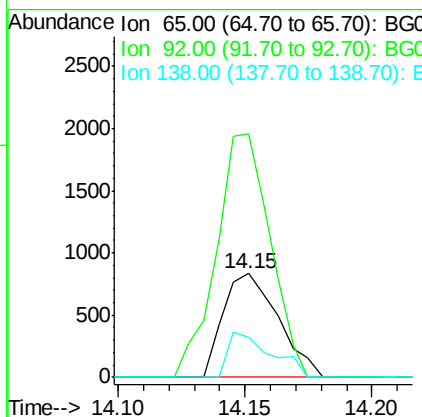
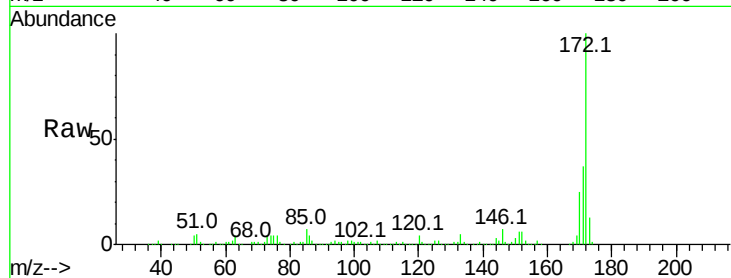




#47
2-Nitroaniline
Concen: 10.385 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033082.D
Acq: 9 Mar 2018 21:15

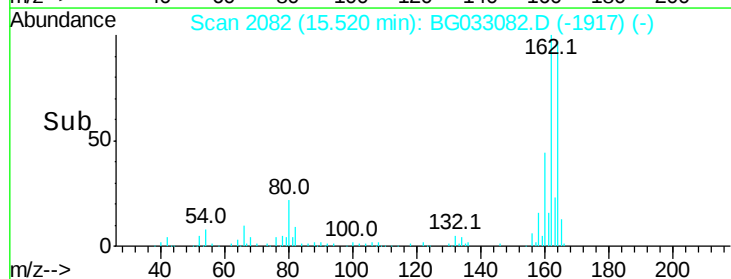
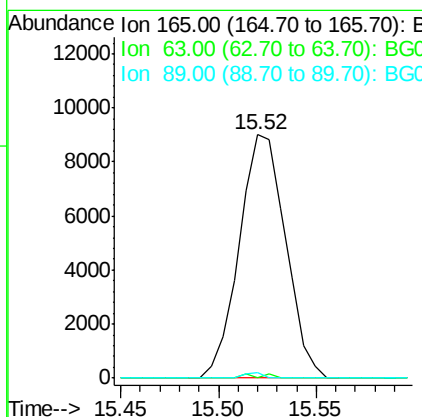
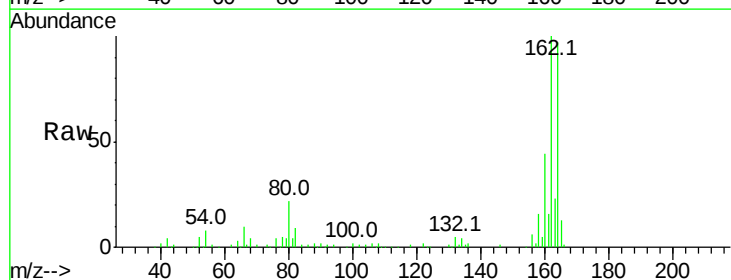
Instrument :
BNA_G
ClientSampled :

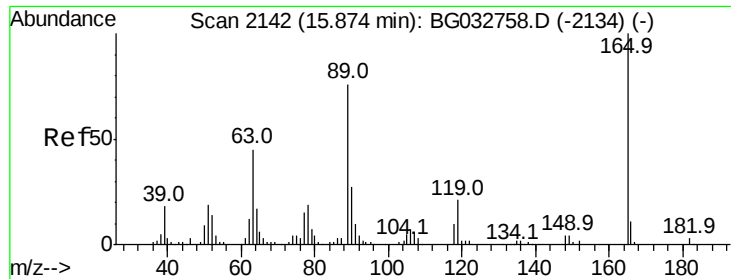
Tot Ion: 65 Resp: 1258
Ion Ratio Lower Upper
65 100
92 234.9 54.6 82.0#
138 38.9 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.660 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.44 min
Lab File: BG033082.D
Acq: 9 Mar 2018 21:15

Tgt Ion:165 Resp: 14807
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.5 49.2 73.8#

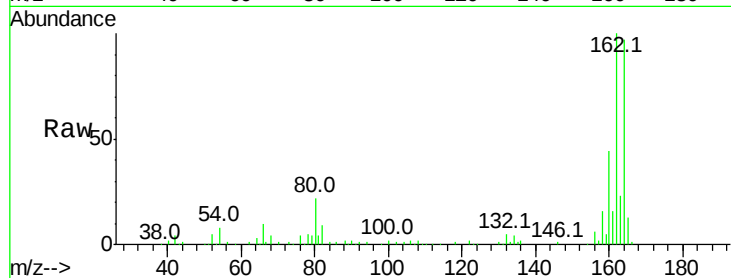




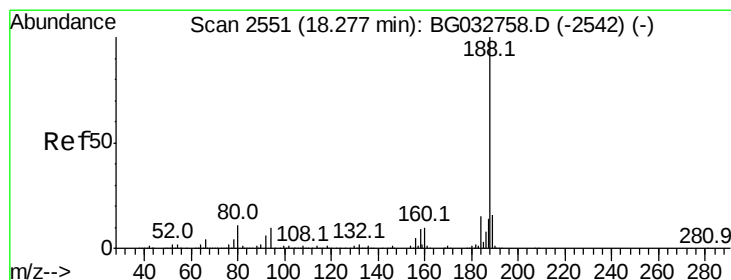
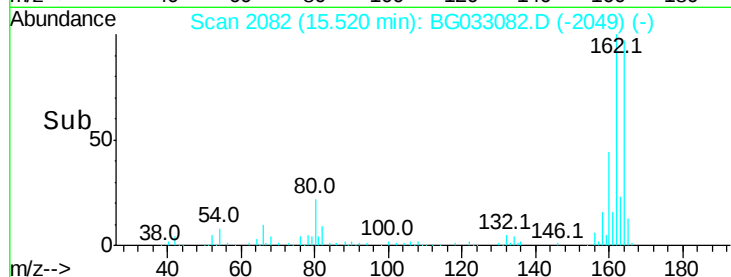
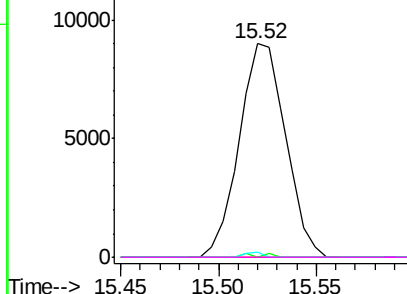
#56
 2,4-Dinitrotoluene
 Concen: 14.860 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.34 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 14807
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.5 66.9 100.3#
 182 0.0 2.6 3.8#

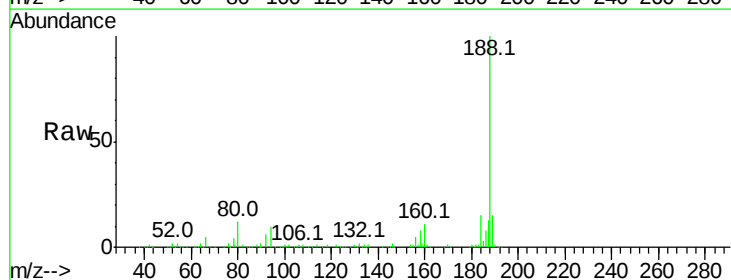


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

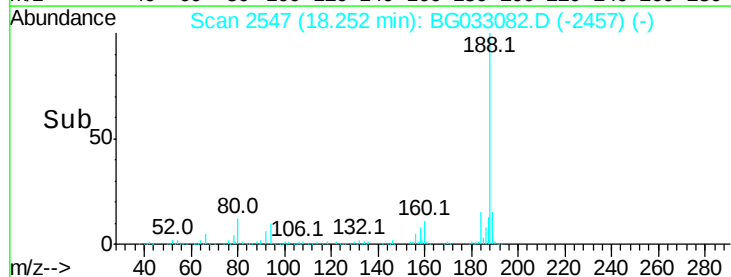
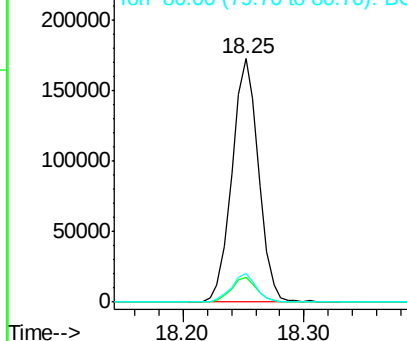


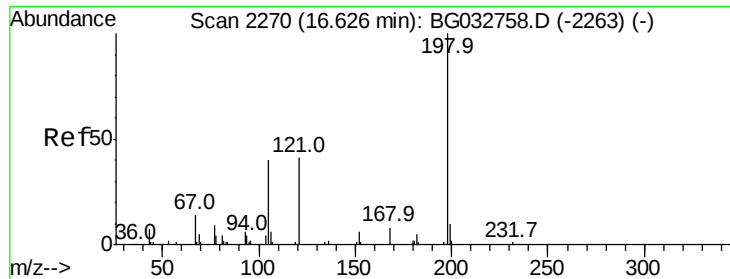
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Tgt Ion:188 Resp: 264867
 Ion Ratio Lower Upper
 188 100
 94 10.1 6.9 10.3
 80 11.6 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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.403 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Instrument :

BNA_G

ClientSampleId :

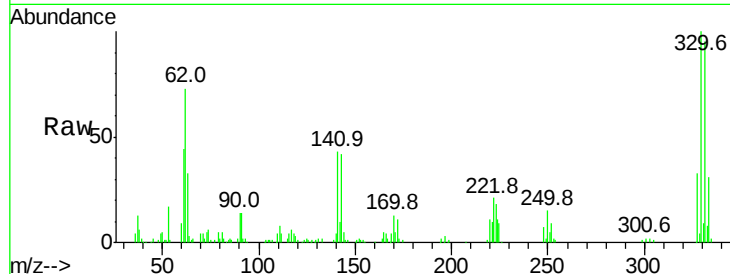
Tot Ion:198 Resp: 283

Ion Ratio Lower Upper

198 100

51 233.2 30.6 70.6#

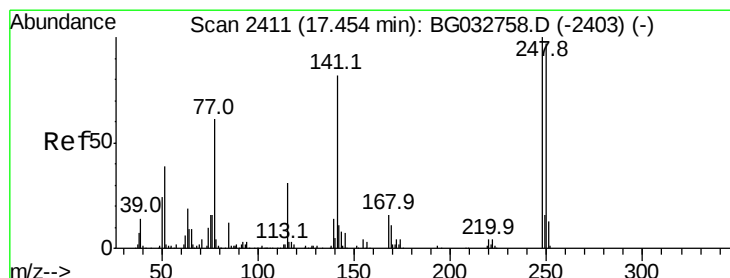
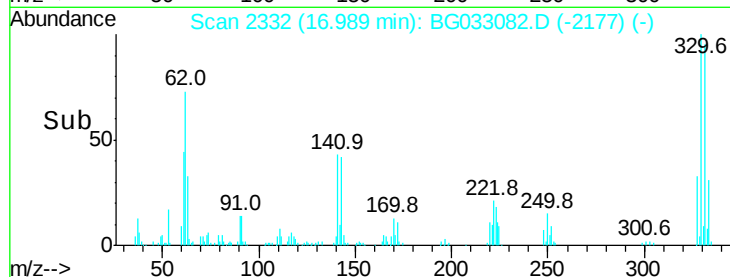
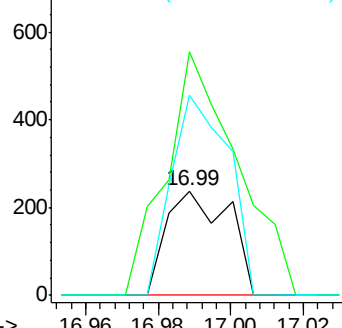
105 191.2 23.8 63.8#



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: 3.039 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

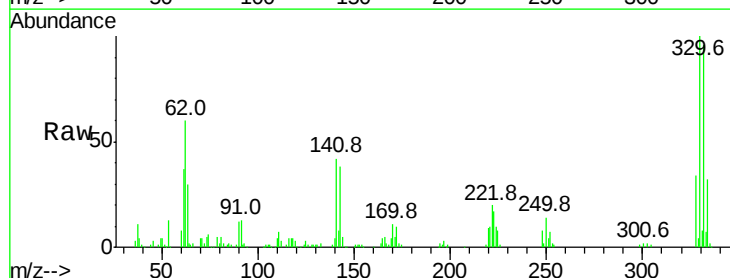
Tgt Ion:248 Resp: 8512

Ion Ratio Lower Upper

248 100

250 176.5 77.1 115.7#

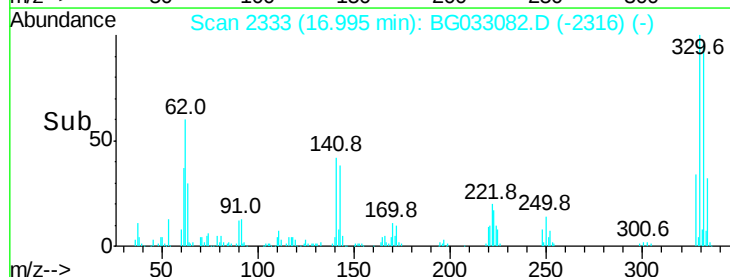
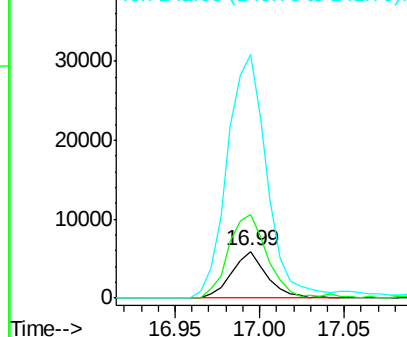
141 516.7 50.8 76.2#

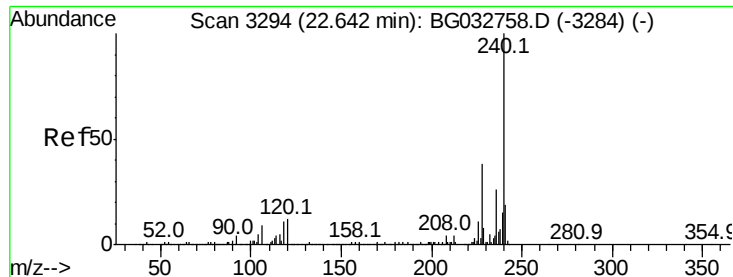


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3288

Delta R.T. -0.00 min

Lab File: BG033082.D

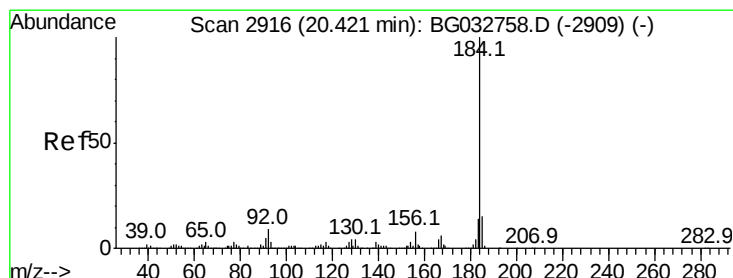
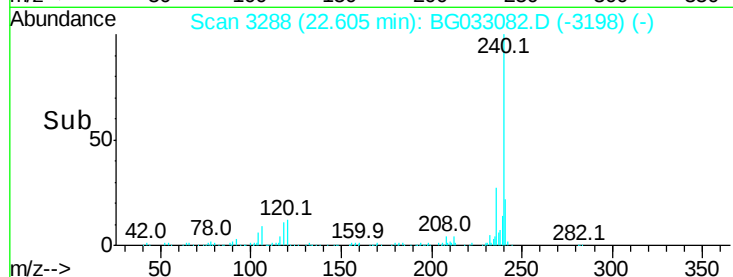
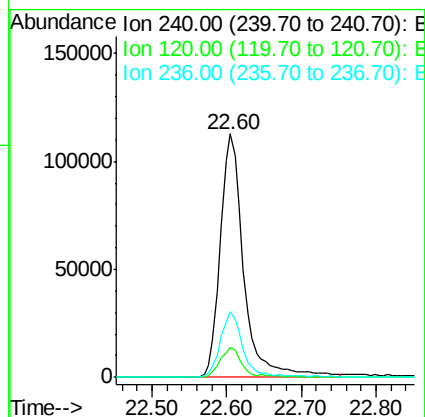
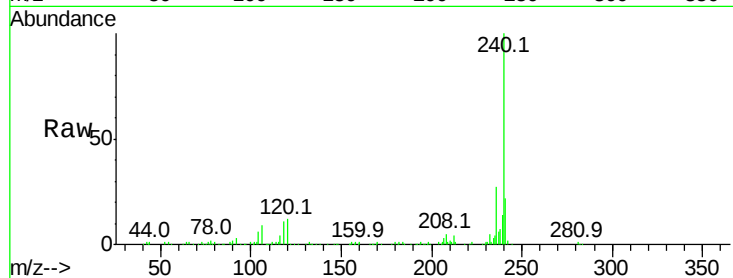
Acq: 9 Mar 2018 21:15

Instrument :

BNA_G

ClientSampled :

Tot Ion:240 Resp: 247097
 Ion Ratio Lower Upper
 240 100
 120 12.1 6.8 10.2#
 236 27.0 20.9 31.3



#76

Benzidine

Concen: 2.098 ng

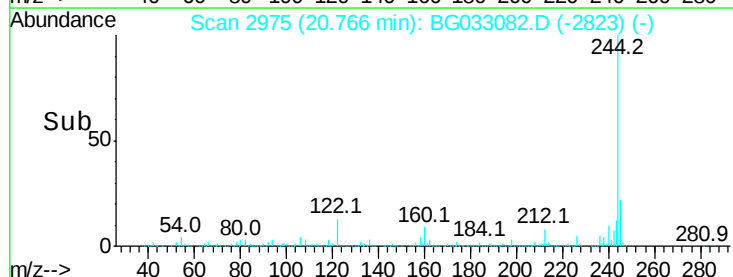
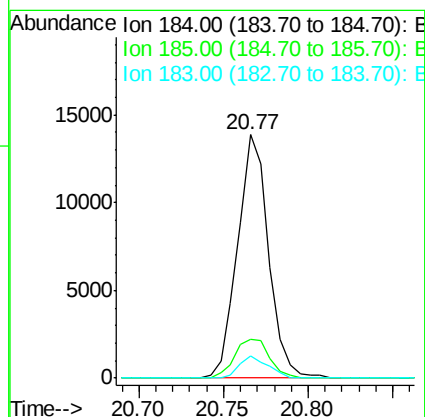
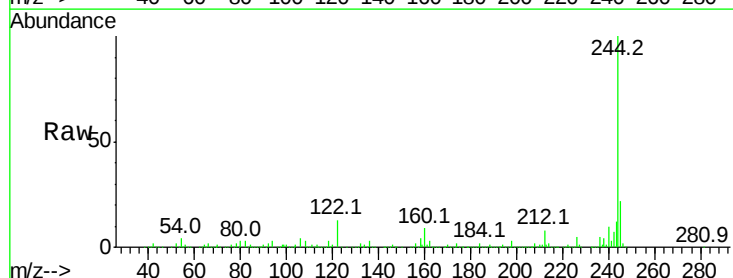
RT: 20.77 min Scan# 2975

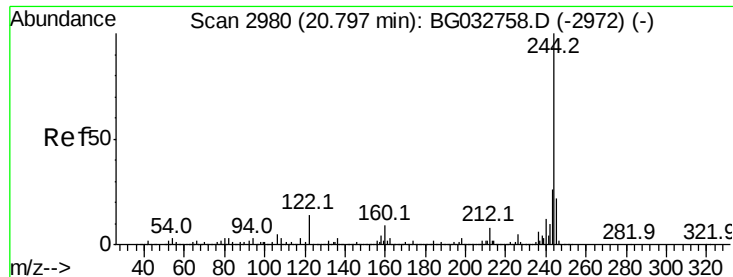
Delta R.T. 0.36 min

Lab File: BG033082.D

Acq: 9 Mar 2018 21:15

Tgt Ion:184 Resp: 17673
 Ion Ratio Lower Upper
 184 100
 185 15.7 11.1 16.7
 183 8.9 10.6 16.0#

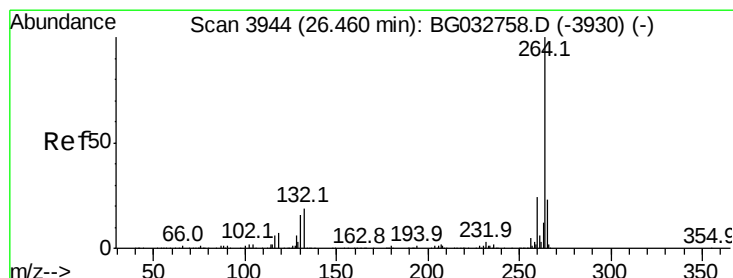
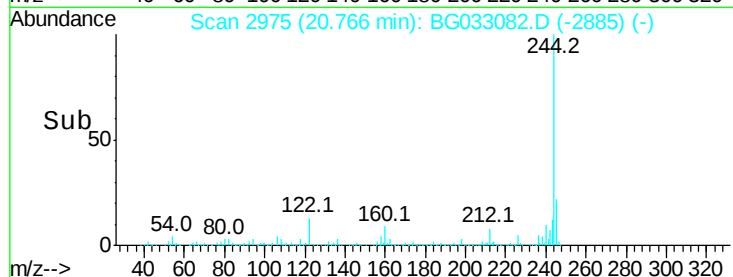
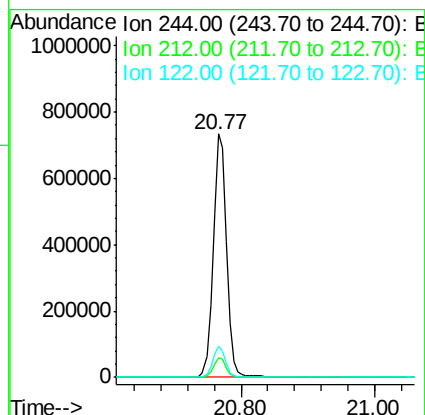
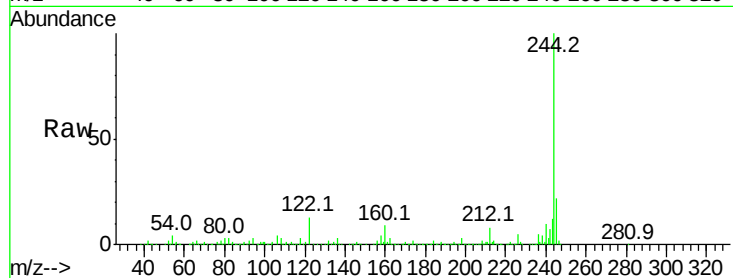




#78
 Terphenyl-d14
 Concen: 93.651 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1029985
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.8 8.8
 122 13.0 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BG033082.D
 Acq: 9 Mar 2018 21:15

Tgt Ion:264 Resp: 213965
 Ion Ratio Lower Upper
 264 100
 260 23.7 17.4 26.0
 265 20.0 17.7 26.5

