

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032991.D
 Acq On : 5 Mar 2018 15:58
 Operator : SJ/JU
 Sample : J1773-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 17:50:34 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

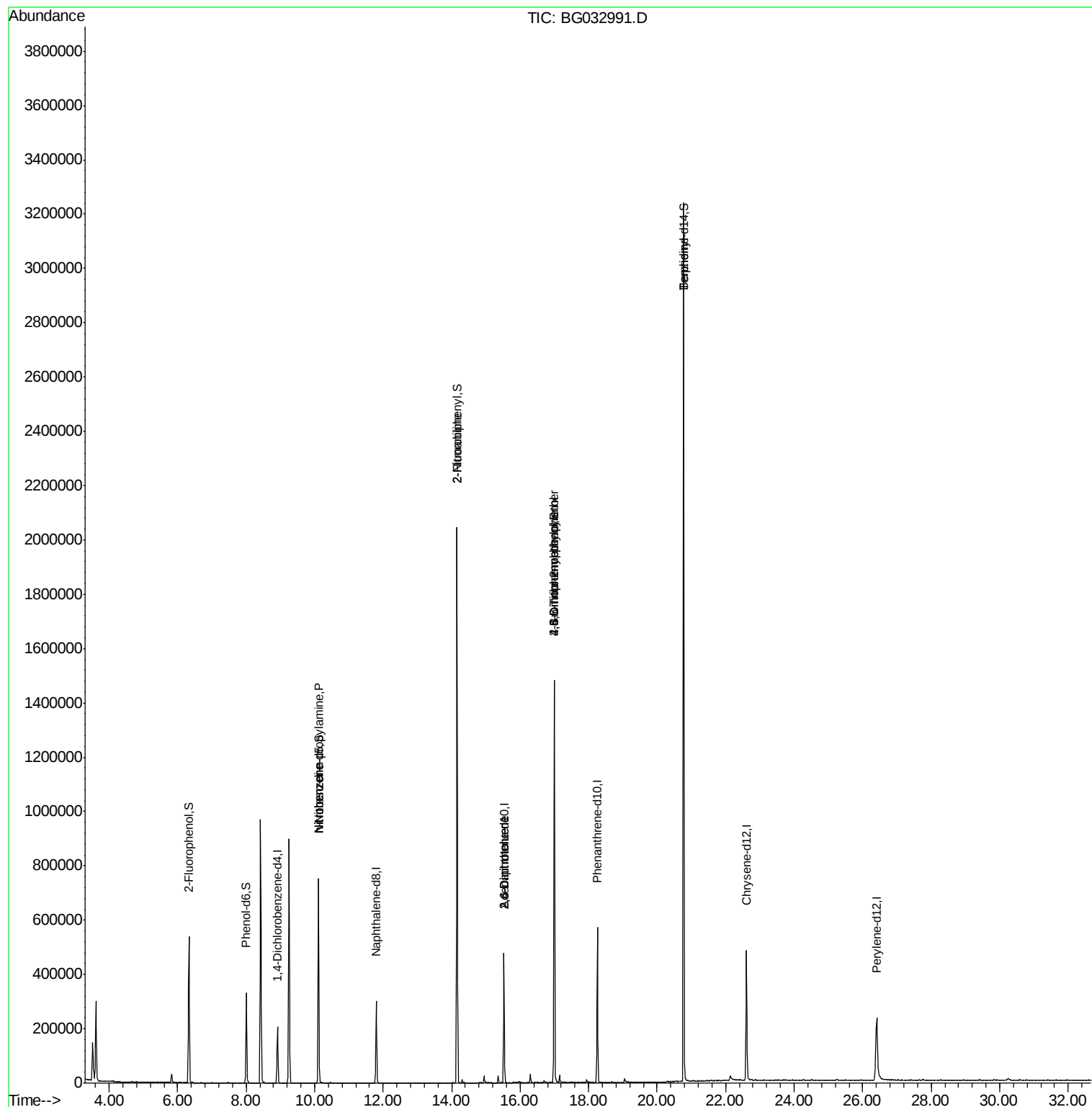
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	60345	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	275307	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	159232	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	350906	20.00	ng	0.00
75) Chrysene-d12	22.61	240	323430	20.00	ng	-0.01
86) Perylene-d12	26.41	264	318817	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	252047	66.82	ng	0.00
7) Phenol-d6	8.01	99	204308	38.86	ng	0.00
23) Nitrobenzene-d5	10.11	82	478764	116.52	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	251075	149.96	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1051199	95.21	ng	0.00
78) Terphenyl-d14	20.77	244	1451265	100.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	62203	16.759	ng	# 84
24) Nitrobenzene	10.10	77	1291	6.635	ng	# 42
47) 2-Nitroaniline	14.16	65	1996	10.441	ng	# 18
50) 2,6-Dinitrotoluene	15.53	165	19854	16.125	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	19854	14.321	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	759	5.867	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18424	4.965	ng	# 1
76) Benzidine	20.77	184	25583	2.321	ng	# 93

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

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QLast Update : Thu Mar 01 17:38:52 2018
Response via : Initial Calibration



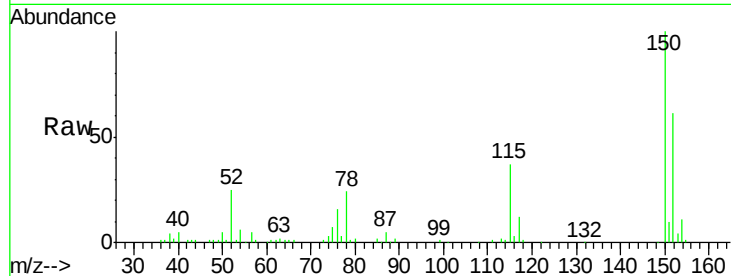


#1

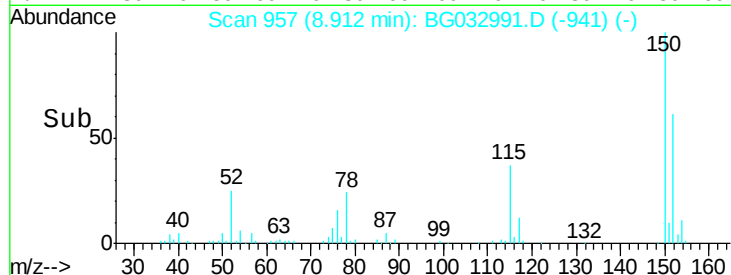
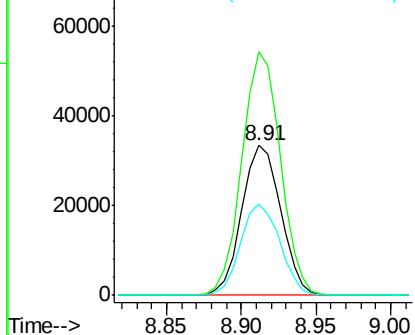
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60345
Ion Ratio Lower Upper
152 100
150 162.7 126.6 189.8
115 61.0 53.0 79.4



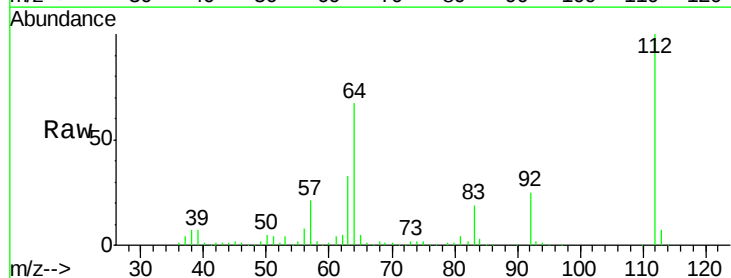
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



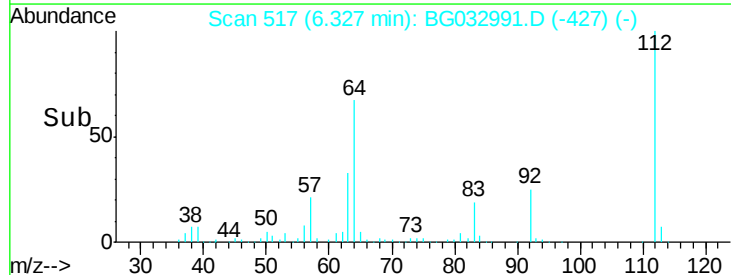
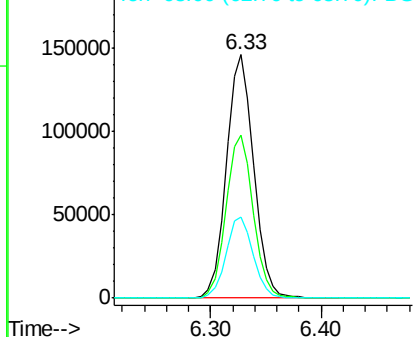
#5

2-Fluorophenol
Concen: 66.822 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Tgt Ion:112 Resp: 252047
Ion Ratio Lower Upper
112 100
64 67.1 56.3 84.5
63 33.2 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: 38.860 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032991.D

Acq: 5 Mar 2018 15:58

Instrument :

BNA_G

ClientSampled :

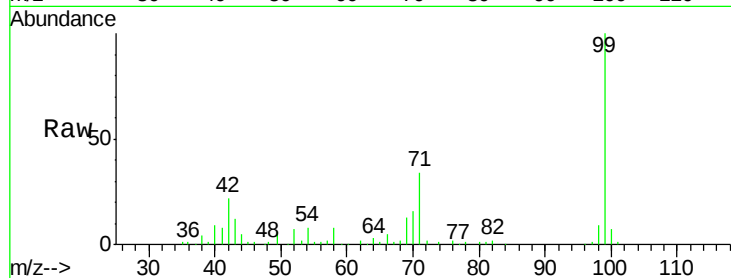
Tot Ion: 99 Resp: 204308

Ion Ratio Lower Upper

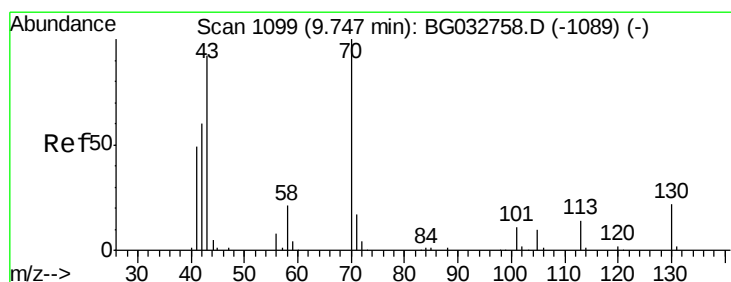
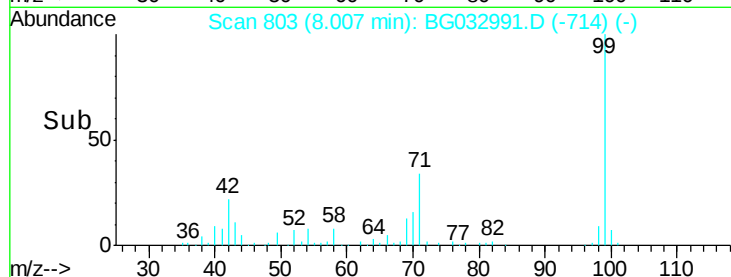
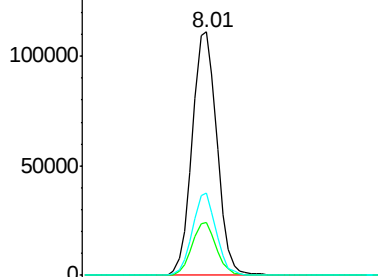
99 100

42 21.7 14.1 21.1#

71 33.6 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: 16.759 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032991.D

Acq: 5 Mar 2018 15:58

Tgt Ion: 70 Resp: 62203

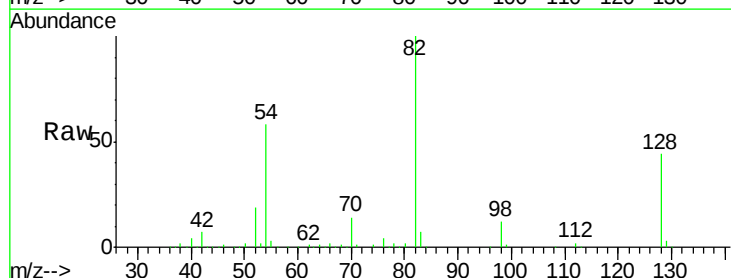
Ion Ratio Lower Upper

70 100

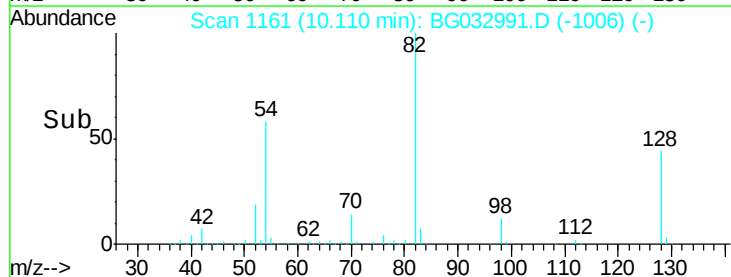
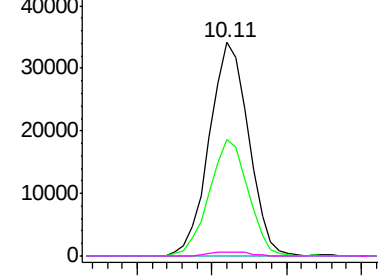
42 54.3 49.1 73.7

101 0.0 8.5 12.7#

130 1.8 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

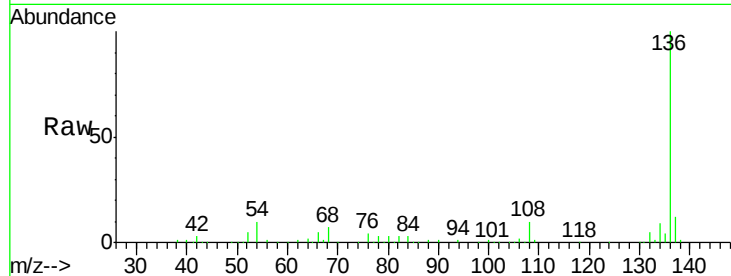




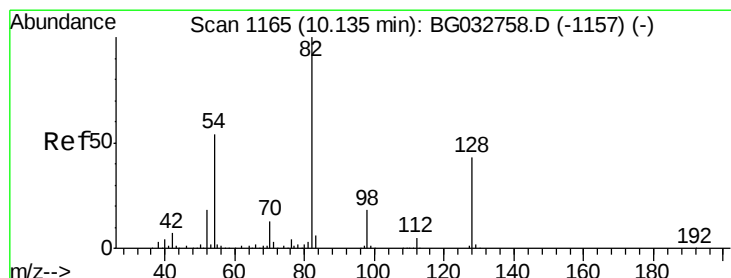
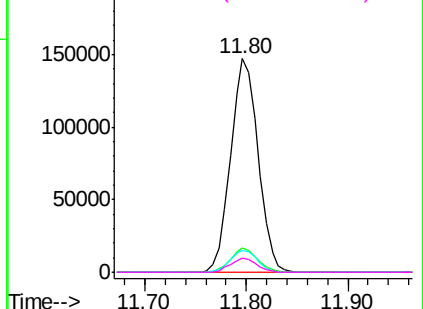
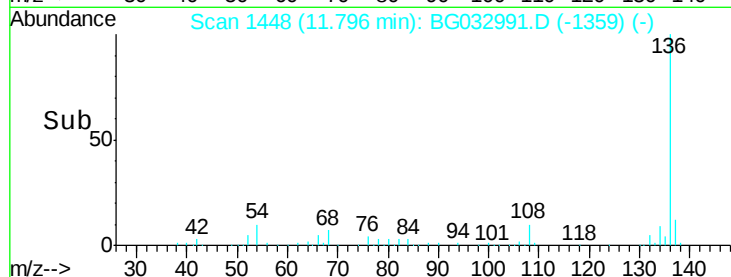
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	275307
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.2 13.8
54	10.1	10.3 15.5
68	6.7	4.5 6.7

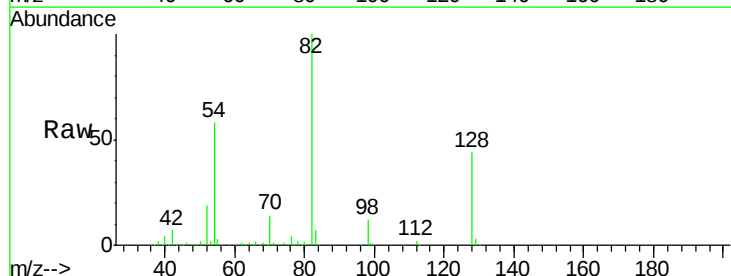


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

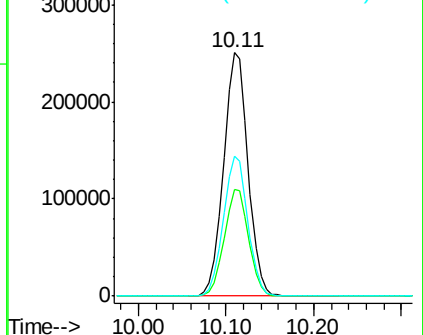
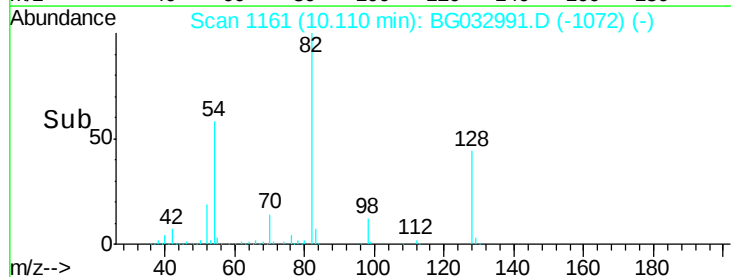


#23
Nitrobenzene-d5
Concen: 116.519 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Tgt Ion: 82	Resp:	478764
Ion Ratio	Lower	Upper
82	100	
128	44.0	29.7 44.5
54	57.7	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

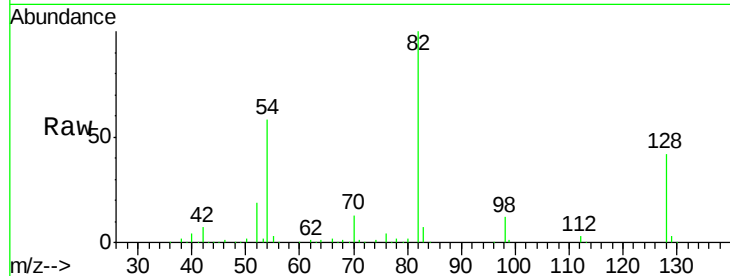




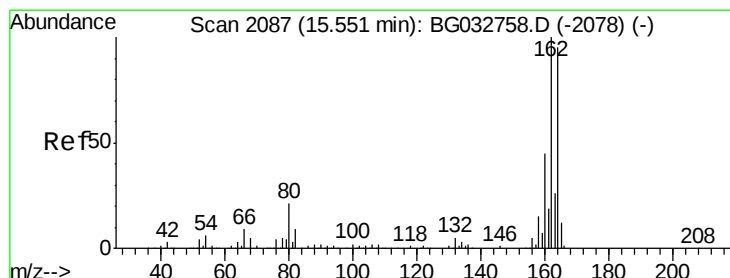
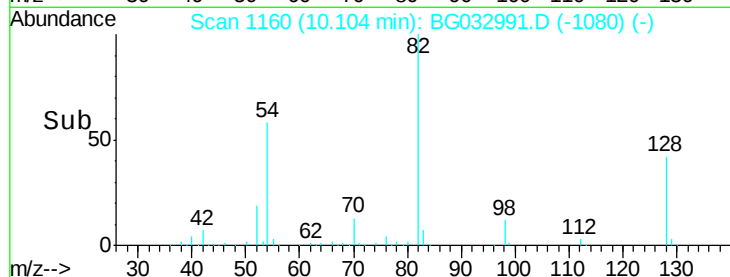
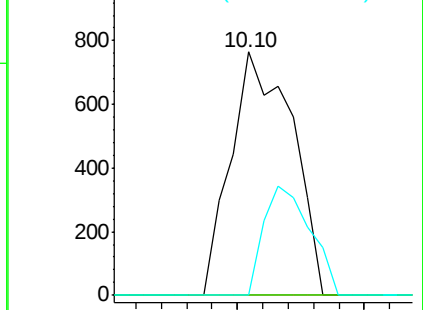
#24
Nitrobenzene
Concen: 6.635 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.06 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 1291
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 0.0 13.0 19.6#

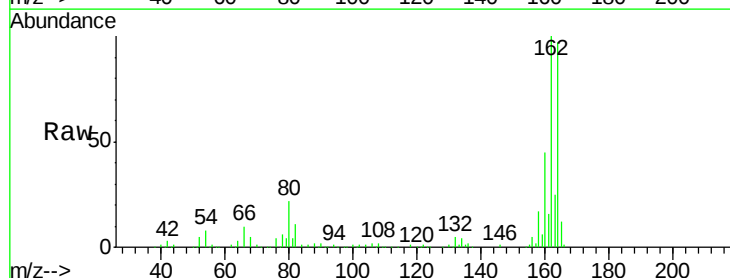


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

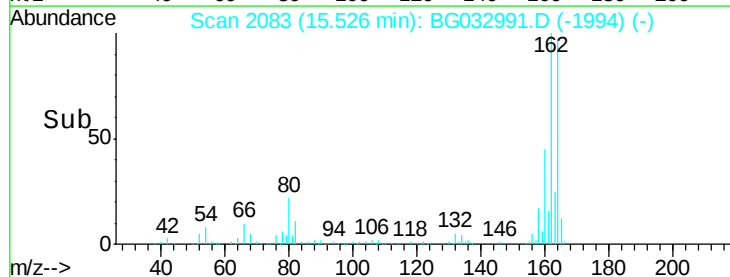
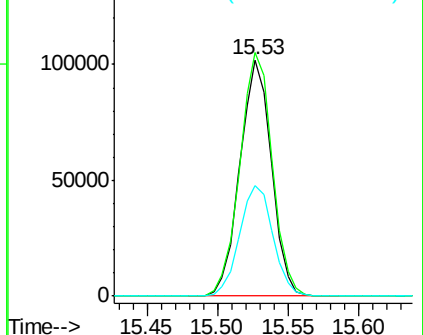


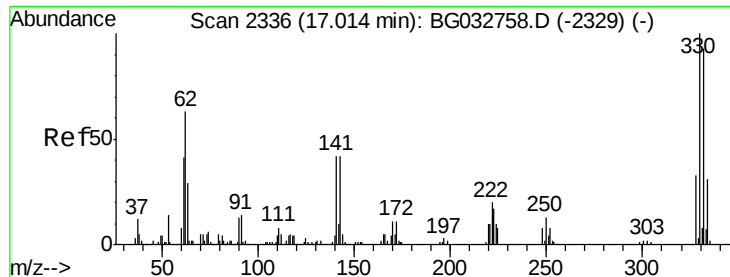
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Tgt Ion:164 Resp: 159232
Ion Ratio Lower Upper
164 100
162 102.9 78.8 118.2
160 46.6 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

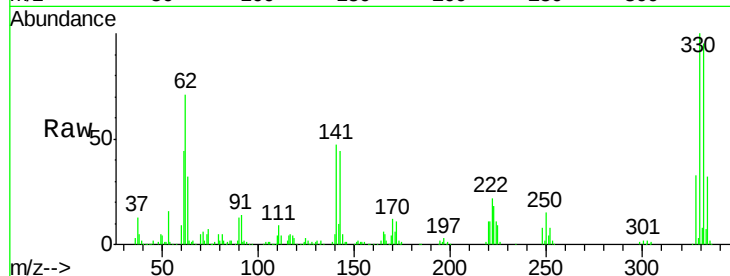




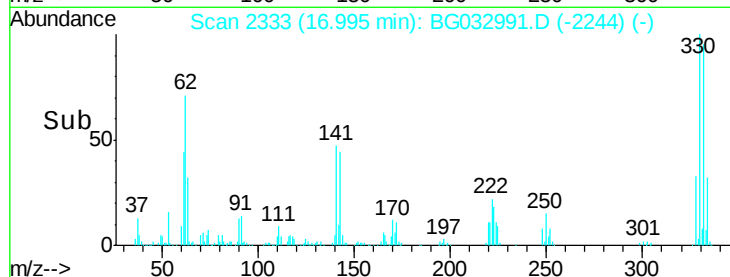
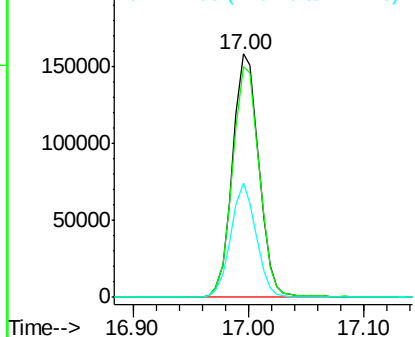
#41
 2,4,6-Tribromophenol
 Concen: 149.961 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 251075
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 45.2 25.2 37.8#

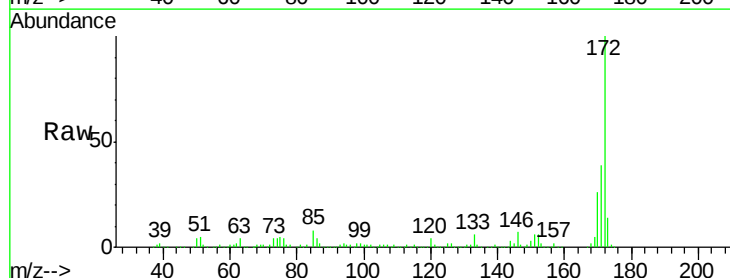


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

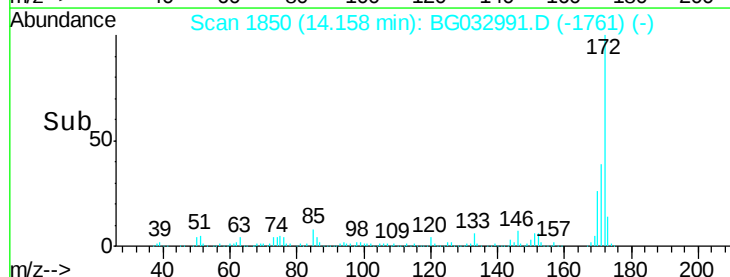
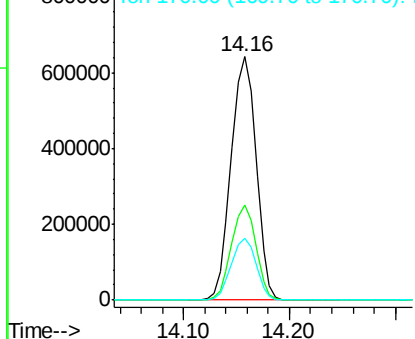


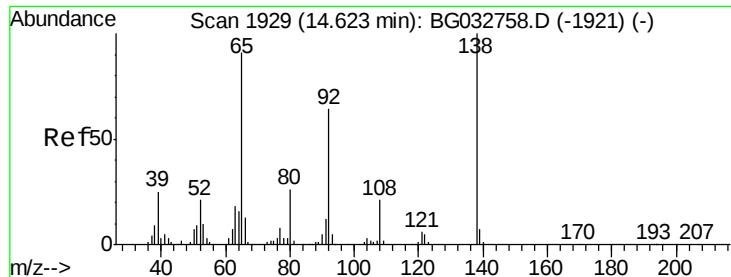
#44
 2-Fluorobiphenyl
 Concen: 95.213 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Tgt Ion:172 Resp: 1051199
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.0 45.0
 170 25.5 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

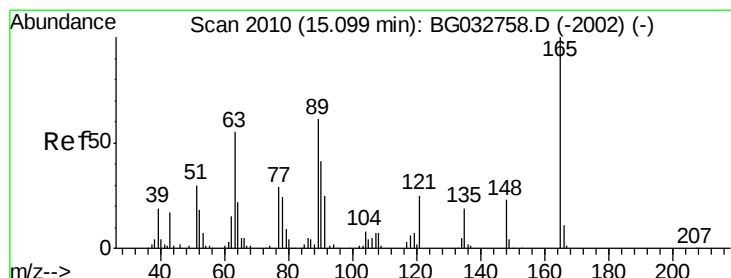
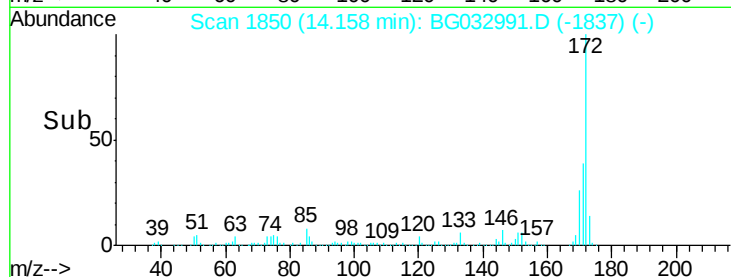
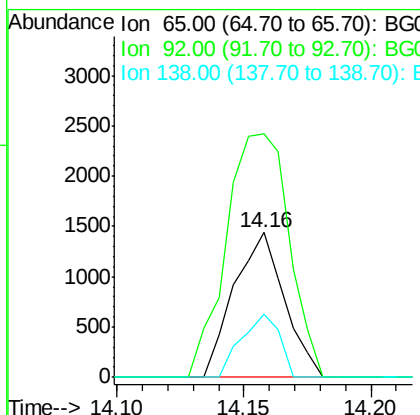
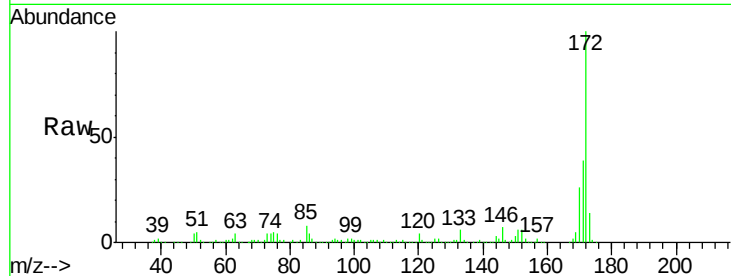




#47
2-Nitroaniline
Concen: 10.441 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.46 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

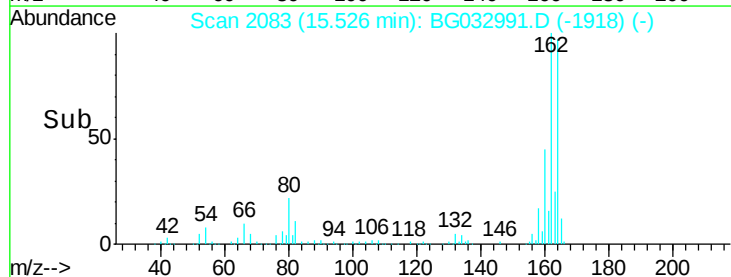
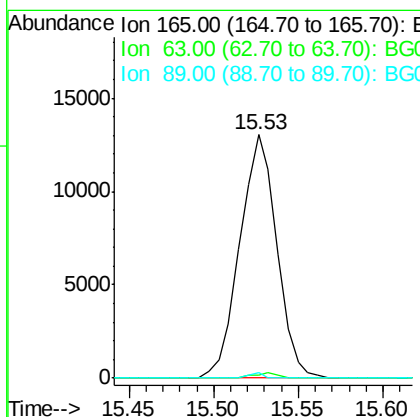
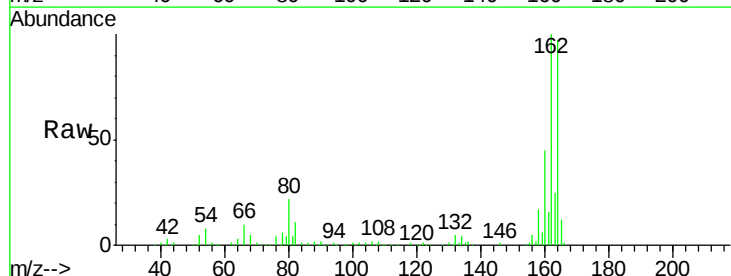
Instrument :
BNA_G
ClientSampleId :

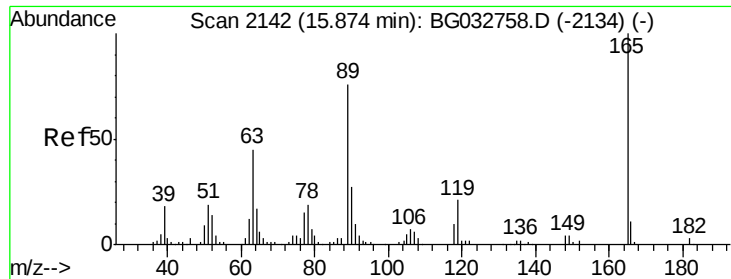
Tot Ion: 65 Resp: 1996
Ion Ratio Lower Upper
65 100
92 168.2 54.6 82.0#
138 43.5 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.125 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Tgt Ion:165 Resp: 19854
Ion Ratio Lower Upper
165 100
63 1.2 52.7 79.1#
89 2.3 49.2 73.8#

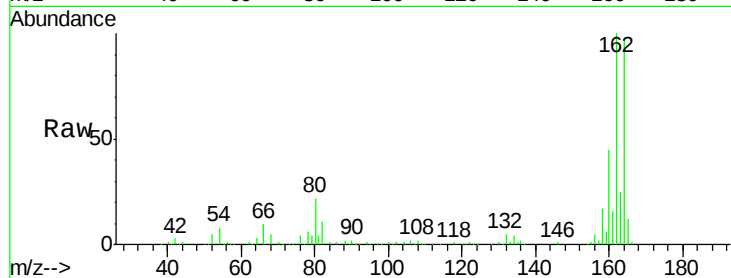




#56
2,4-Dinitrotoluene
Concen: 14.321 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#

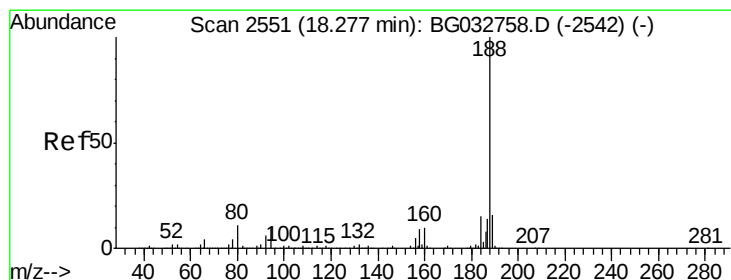
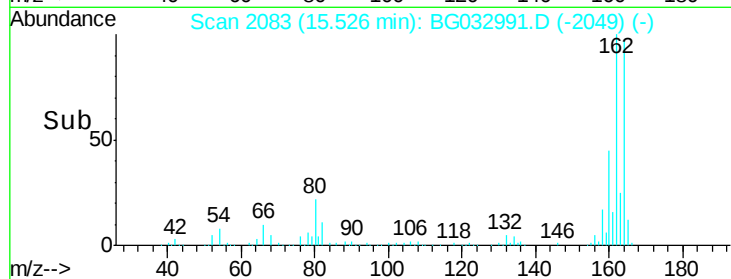
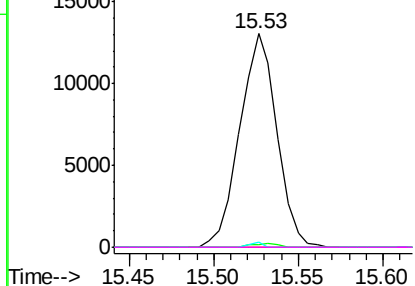


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

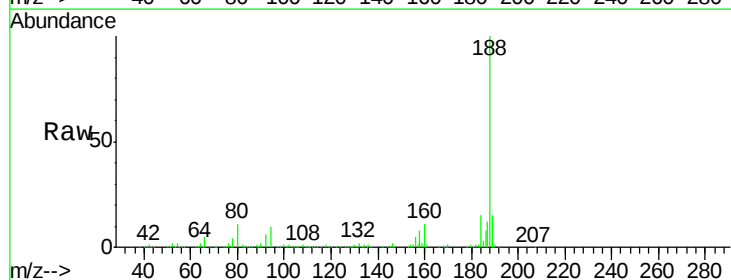
Ion 89.00 (88.70 to 89.70): BGC

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. -0.01 min
Lab File: BG032991.D
Acq: 5 Mar 2018 15:58

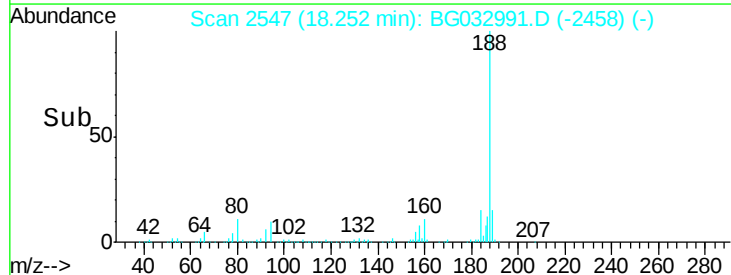
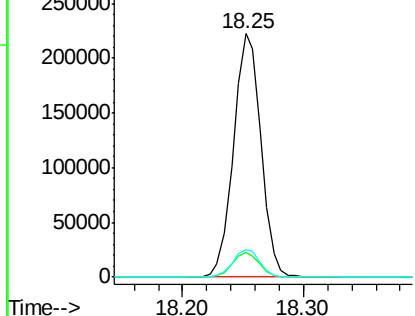
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	6.9	10.3#
80	11.1	7.7	11.5

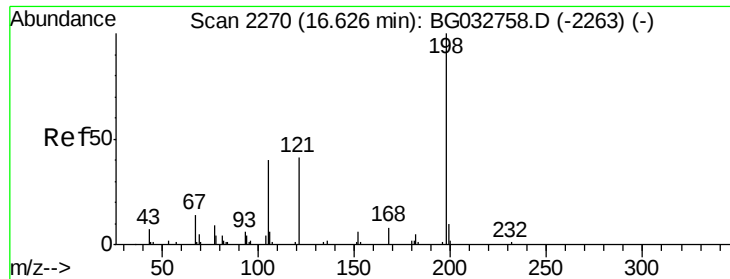


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

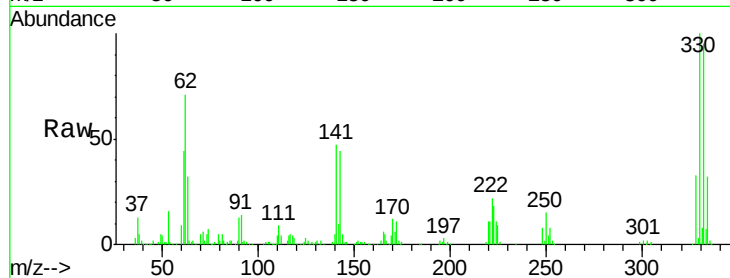




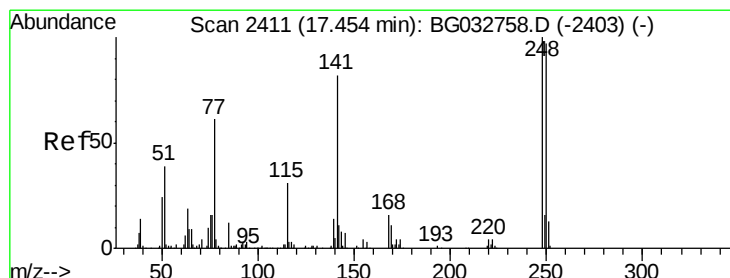
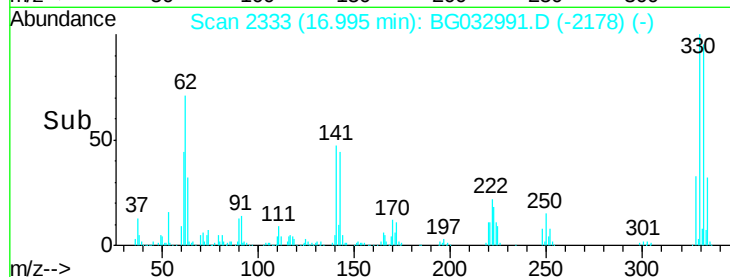
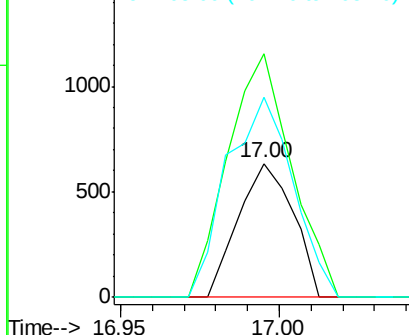
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.867 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 759
 Ion Ratio Lower Upper
 198 100
 51 182.0 30.6 70.6#
 105 149.8 23.8 63.8#

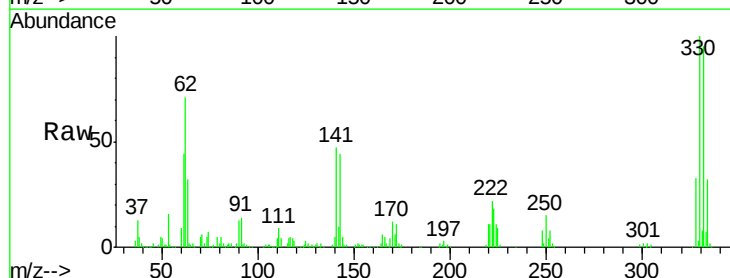


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

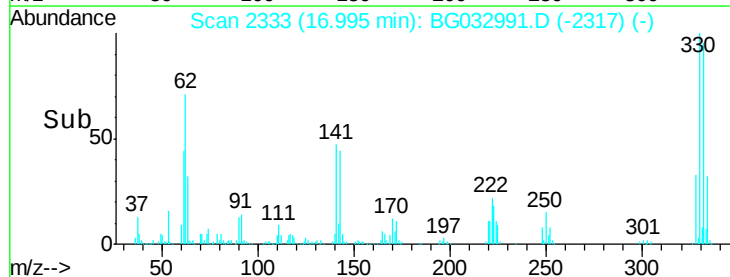
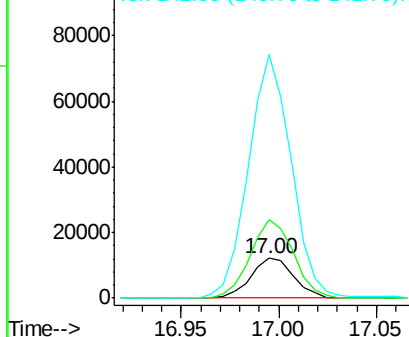


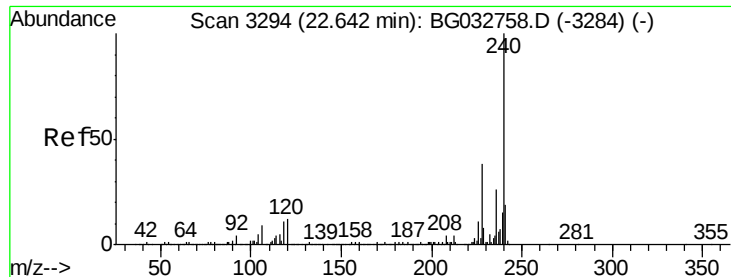
#66
 4-Bromophenyl-phenylether
 Concen: 4.965 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Tgt Ion:248 Resp: 18424
 Ion Ratio Lower Upper
 248 100
 250 197.1 77.1 115.7#
 141 612.6 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: 22.61 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG032991.D

Acq: 5 Mar 2018 15:58

Instrument :

BNA_G

ClientSampleId :

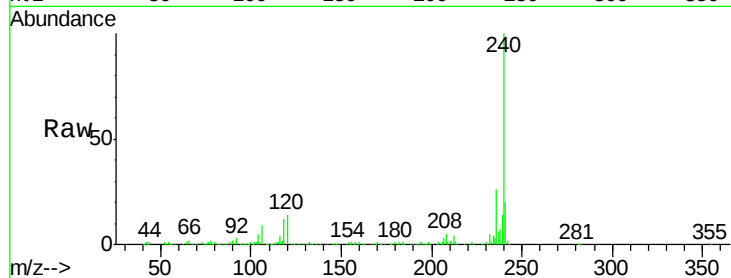
Tot Ion:240 Resp: 323430

Ion Ratio Lower Upper

240 100

120 13.8 6.8 10.2#

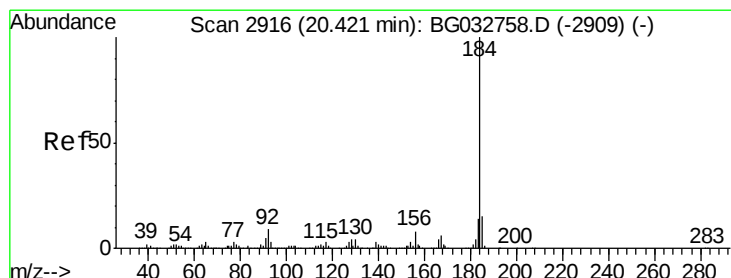
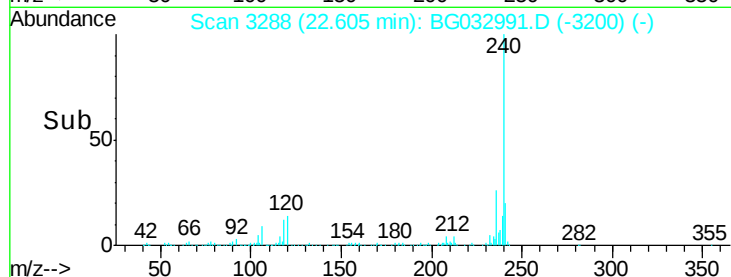
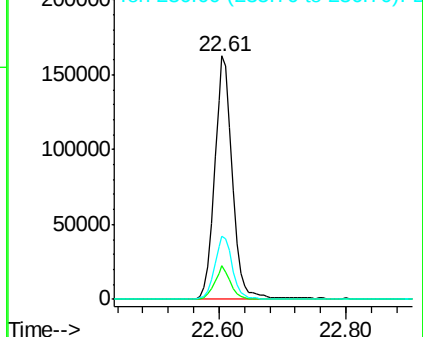
236 26.1 20.9 31.3



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: 2.321 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032991.D

Acq: 5 Mar 2018 15:58

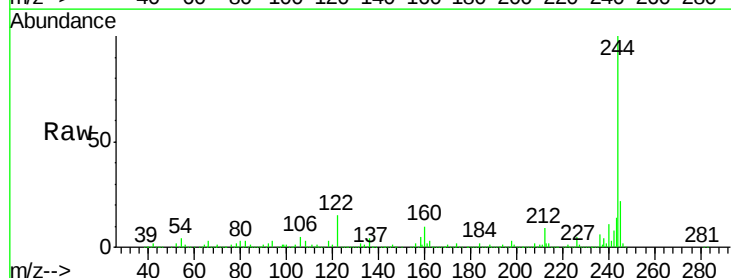
Tgt Ion:184 Resp: 25583

Ion Ratio Lower Upper

184 100

185 16.5 11.1 16.7

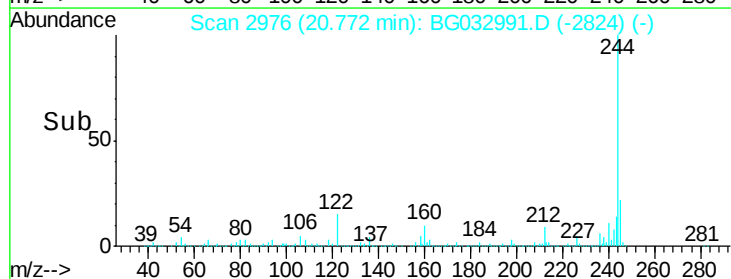
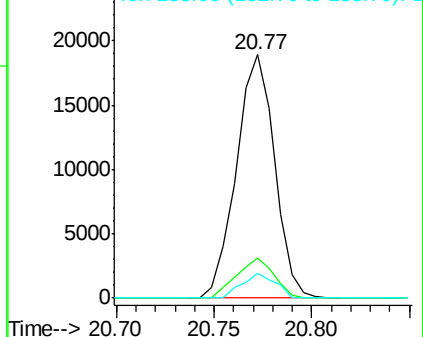
183 9.9 10.6 16.0#

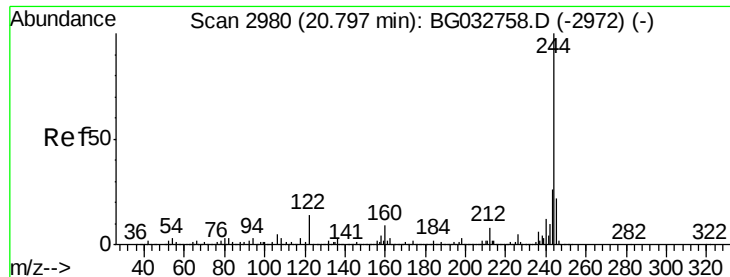


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

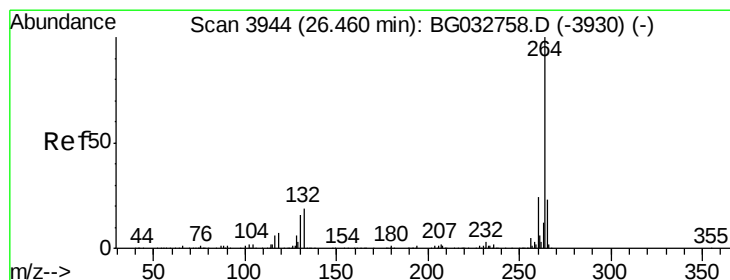
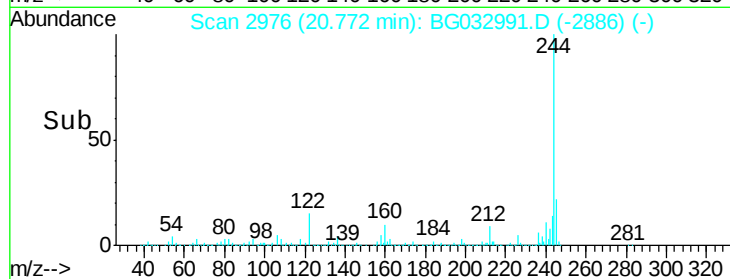
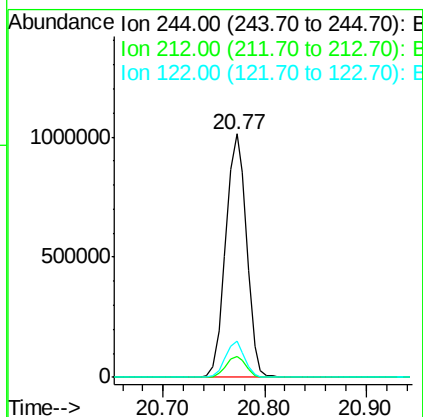
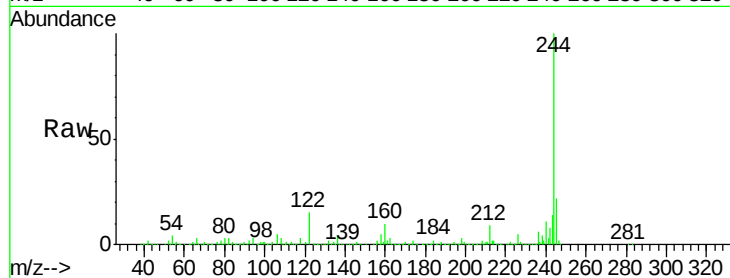




#78
 Terphenyl-d14
 Concen: 100.813 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. -0.00 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1451265
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 14.7 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3936
 Delta R.T. -0.01 min
 Lab File: BG032991.D
 Acq: 5 Mar 2018 15:58

Tgt Ion:264 Resp: 318817
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.4 26.0
 265 20.2 17.7 26.5

