

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032998.D
 Acq On : 5 Mar 2018 20:22
 Operator : SJ/JU
 Sample : PB107053BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 01:27:10 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

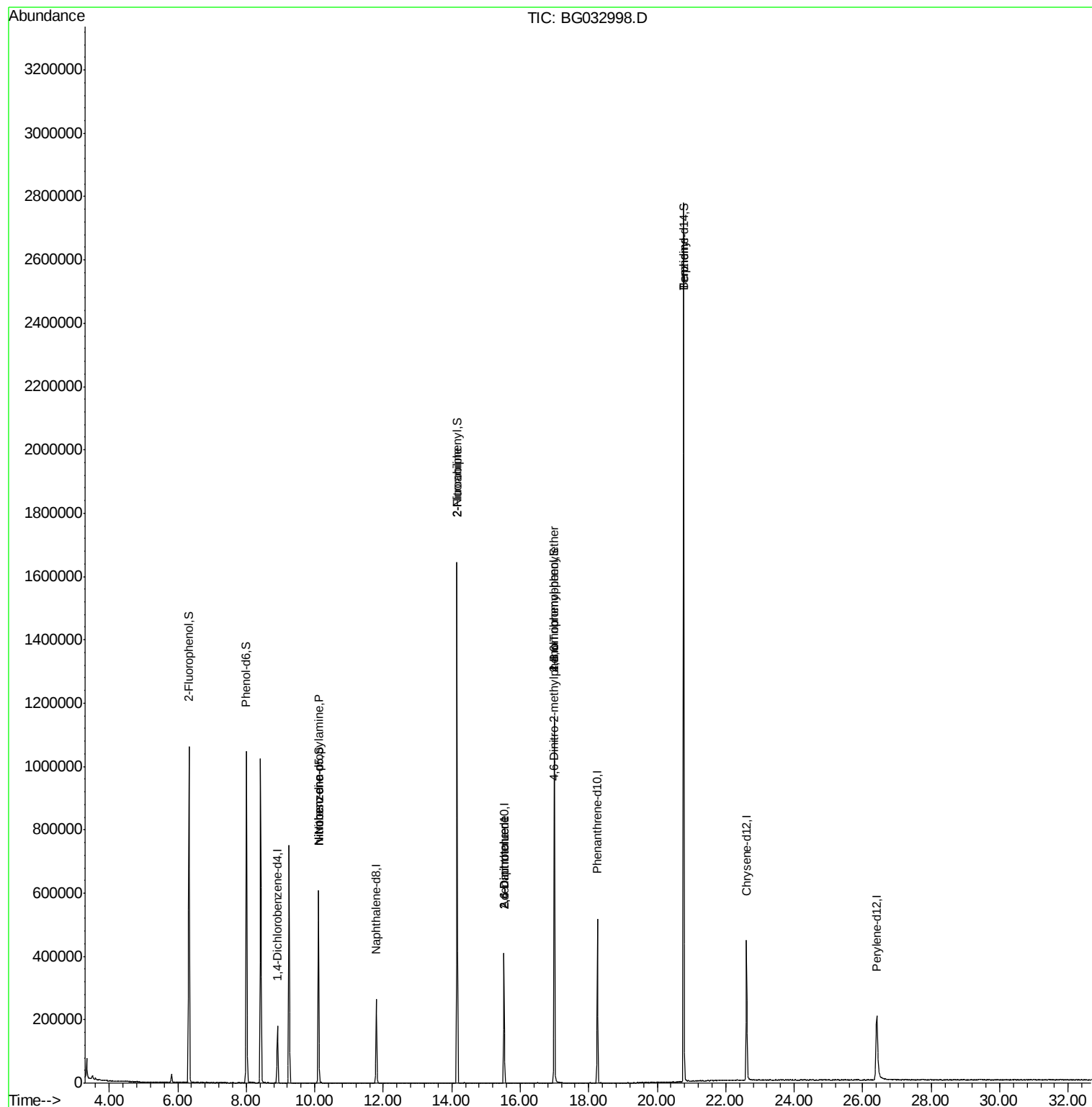
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	54801	20.00	ng	-0.01
21) Naphthalene-d8	11.80	136	245458	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	137526	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	318408	20.00	ng	0.00
75) Chrysene-d12	22.61	240	299198	20.00	ng	-0.01
86) Perylene-d12	26.40	264	291091	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	486421	142.01	ng	0.00
7) Phenol-d6	8.01	99	652210	136.60	ng	0.00
23) Nitrobenzene-d5	10.11	82	382074	105.33	ng	-0.01
41) 2,4,6-Tribromophenol	17.00	330	198219	137.08	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	831215	87.17	ng	-0.01
78) Terphenyl-d14	20.77	244	1219102	91.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	49776	14.767	ng	# 84
24) Nitrobenzene	10.11	77	1169	6.639	ng	# 40
47) 2-Nitroaniline	14.15	65	1509	10.366	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	18434	16.668	ng	# 20
56) 2,4-Dinitrotoluene	15.53	165	18434	14.867	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.98	198	53	5.018	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14200	4.218	ng	# 1
76) Benzidine	20.77	184	21040	2.063	ng	# 90

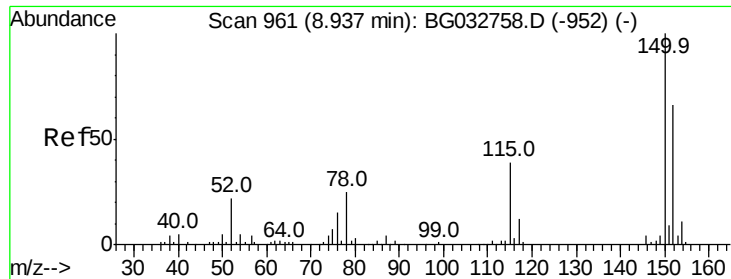
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG030518\
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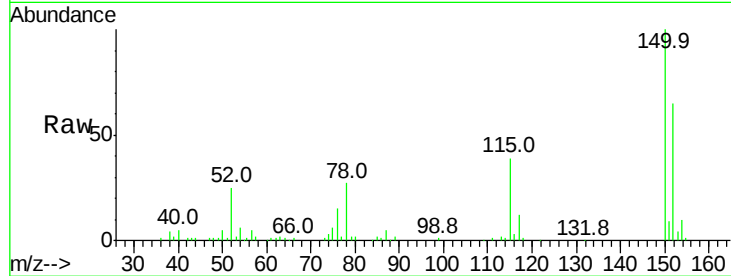


#1

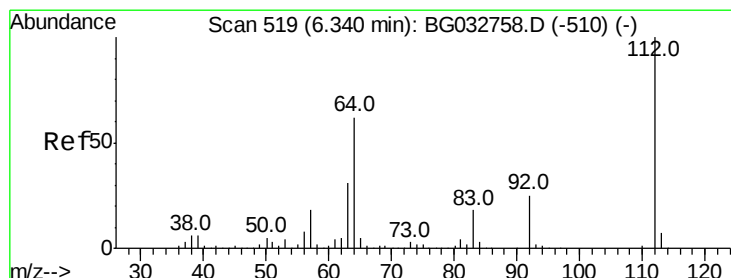
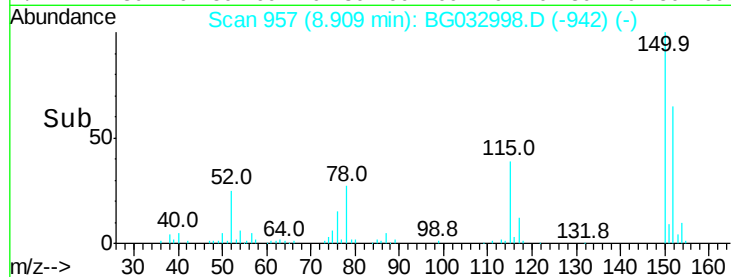
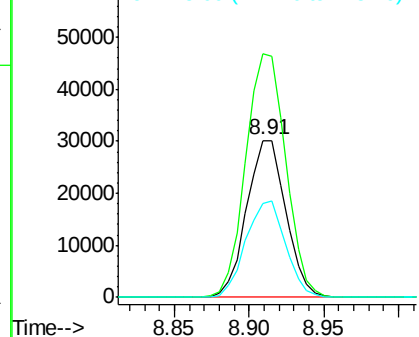
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54801
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 59.9 53.0 79.4



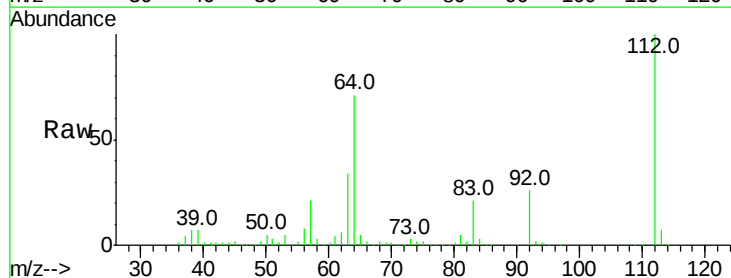
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



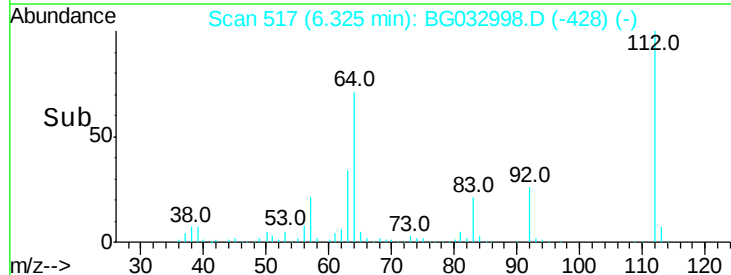
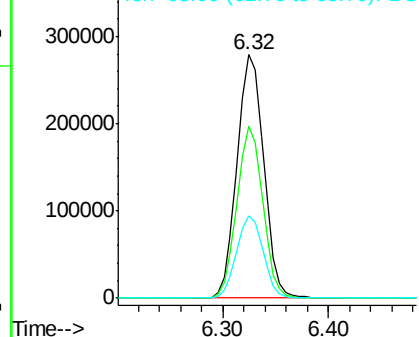
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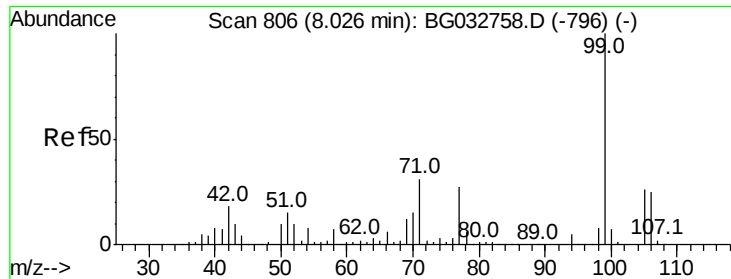
2-Fluorophenol
Concen: 142.005 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.01 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Tgt Ion:112 Resp: 486421
Ion Ratio Lower Upper
112 100
64 70.7 56.3 84.5
63 34.0 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: 136.603 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Instrument :

BNA_G

ClientSampleId :

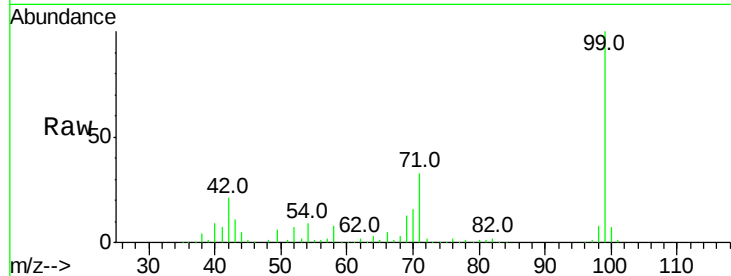
Tot Ion: 99 Resp: 652210

Ion Ratio Lower Upper

99 100

42 21.1 14.1 21.1

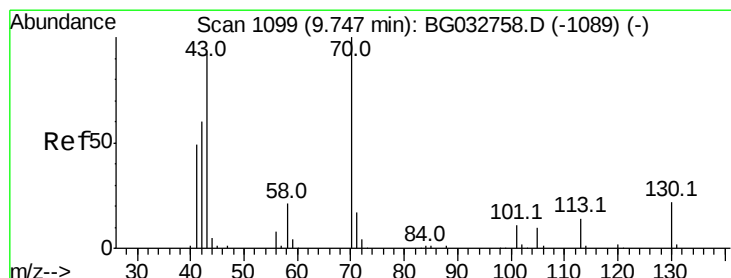
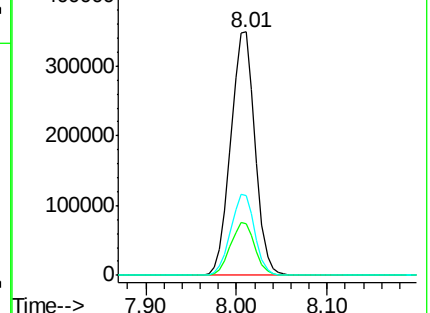
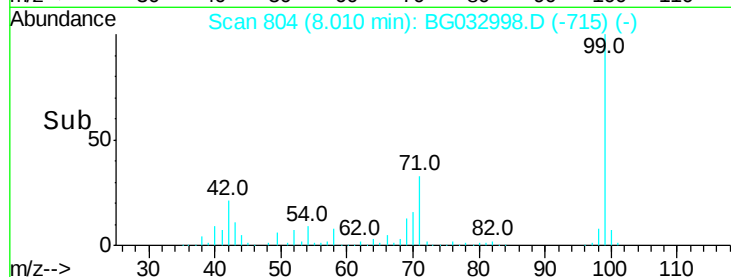
71 32.5 26.1 39.1



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: 14.767 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Tgt Ion: 70 Resp: 49776

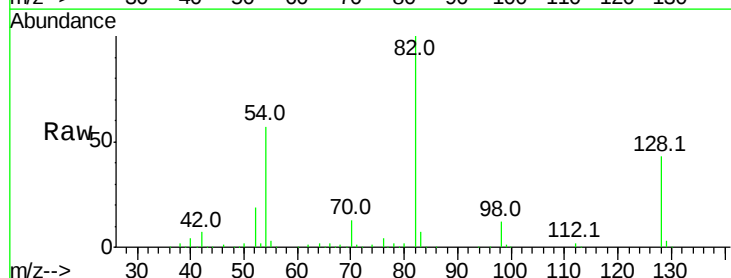
Ion Ratio Lower Upper

70 100

42 54.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

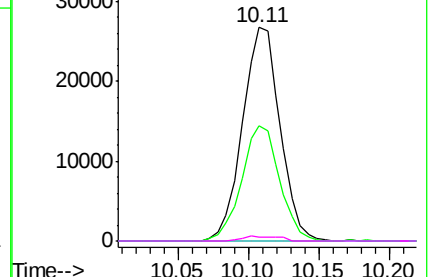
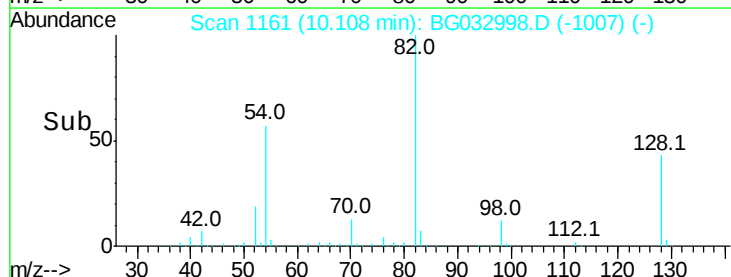


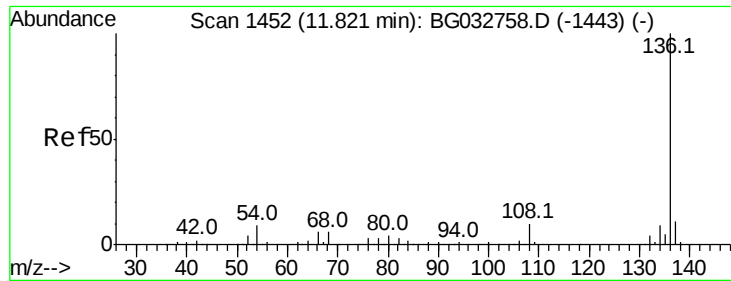
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

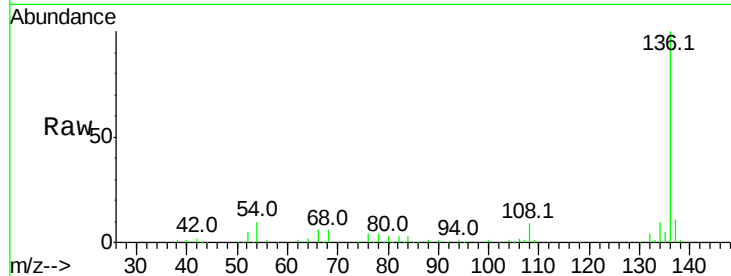




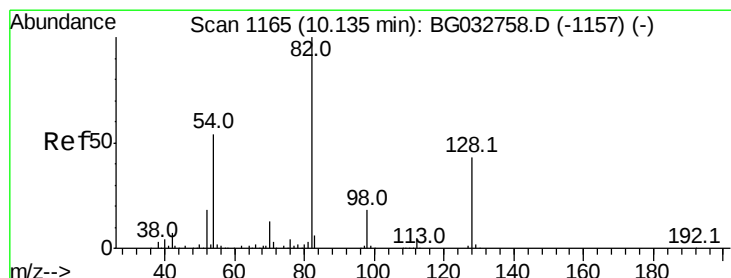
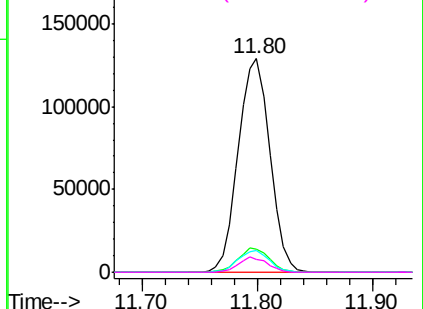
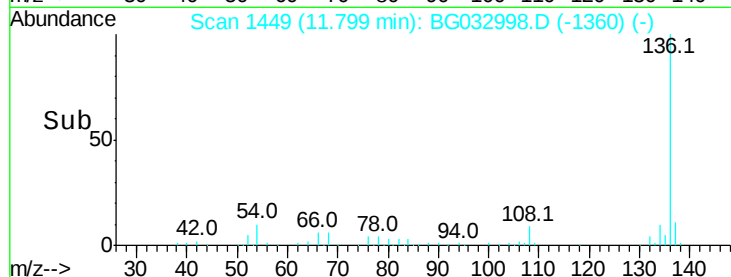
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	245458
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	10.1	10.3	15.5
68	6.0	4.5	6.7

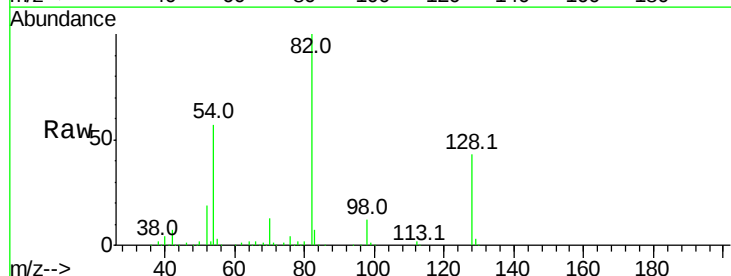


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

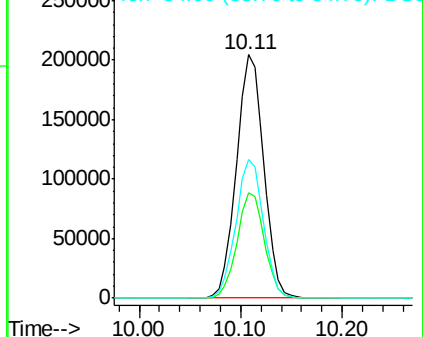
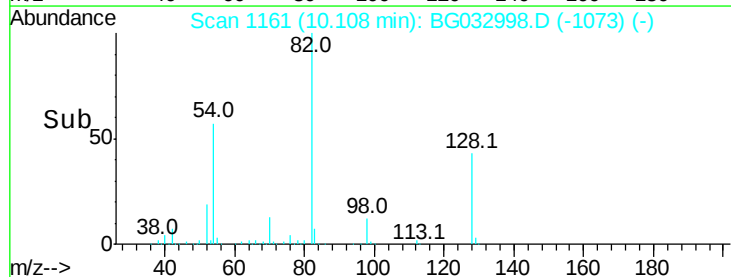


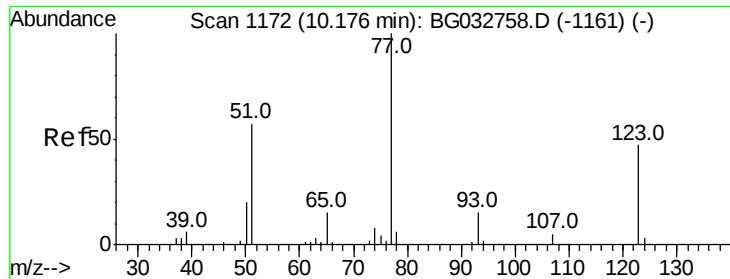
#23
Nitrobenzene-d5
Concen: 105.334 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Tgt Ion:	82	Resp:	382074
Ion	Ratio	Lower	Upper
82	100		
128	43.4	29.7	44.5
54	57.0	43.1	64.7



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

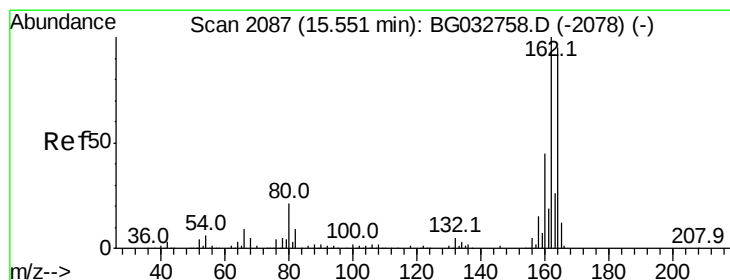
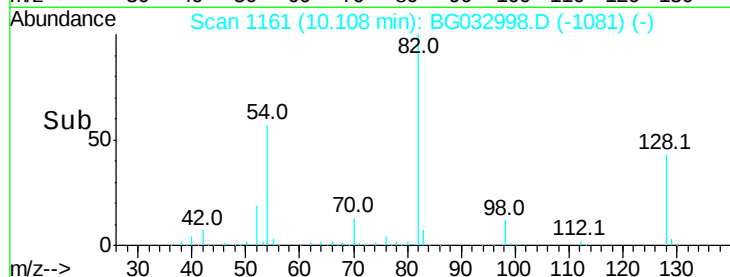
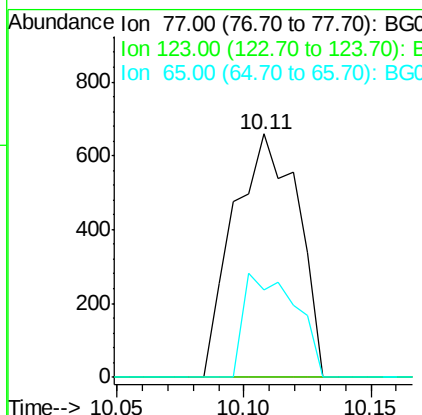
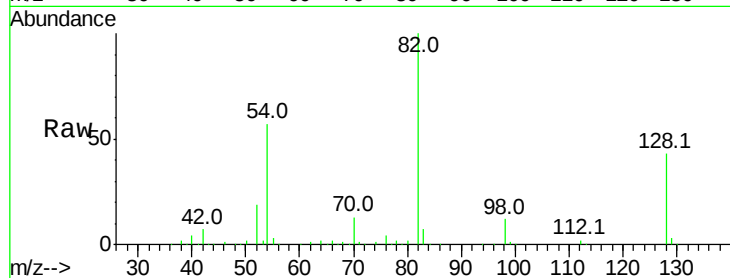




#24
Nitrobenzene
Concen: 6.639 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

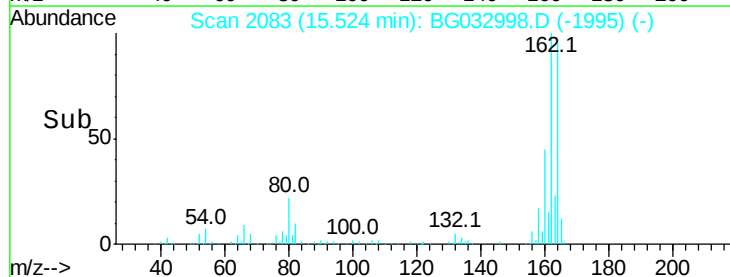
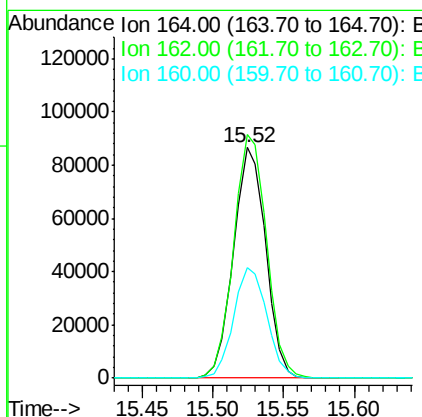
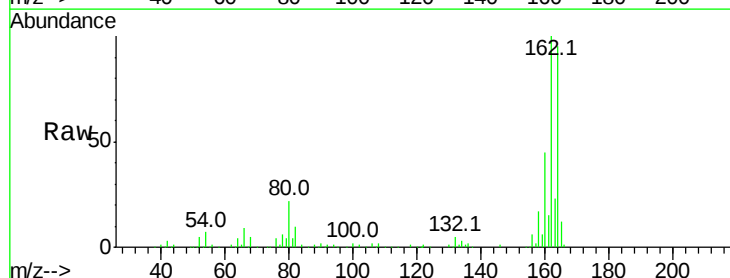
Instrument :
BNA_G
ClientSampled :

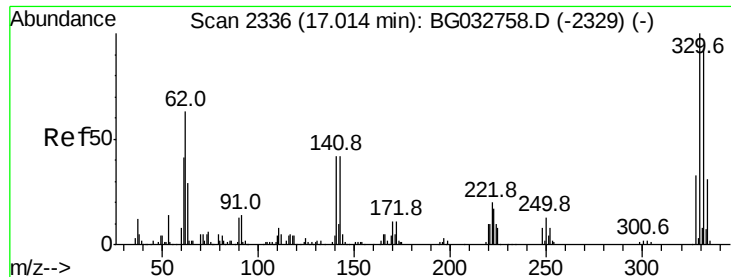
Tot Ion: 77 Resp: 1169
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 35.7 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Tgt Ion:164 Resp: 137526
Ion Ratio Lower Upper
164 100
162 105.7 78.8 118.2
160 48.1 35.4 53.0

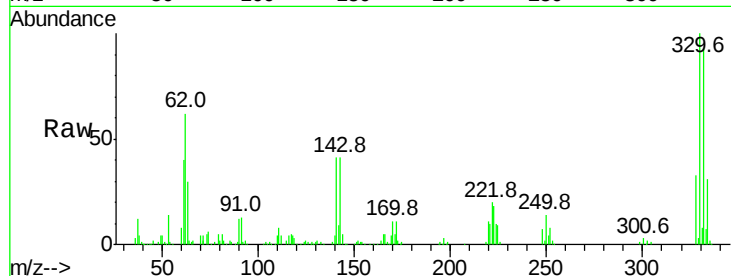




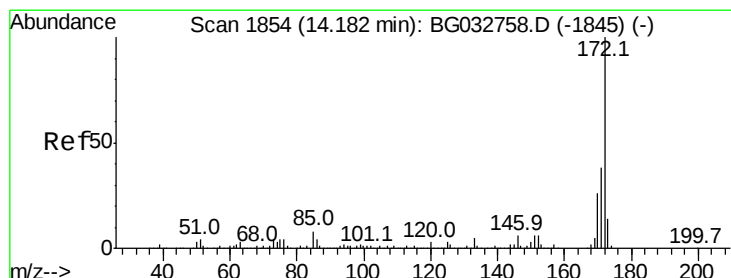
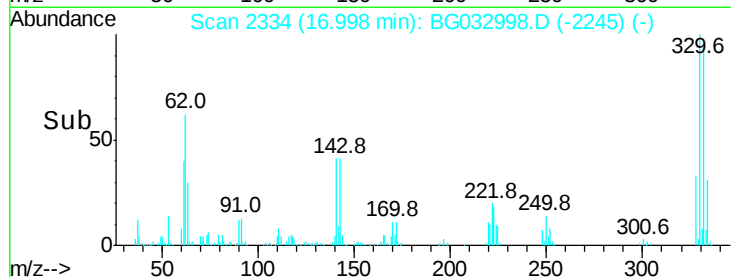
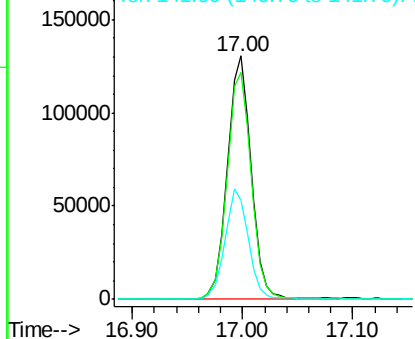
#41
 2,4,6-Tribromophenol
 Concen: 137.077 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: BG032998.D
 Acq: 5 Mar 2018 20:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 198219
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 44.4 25.2 37.8#

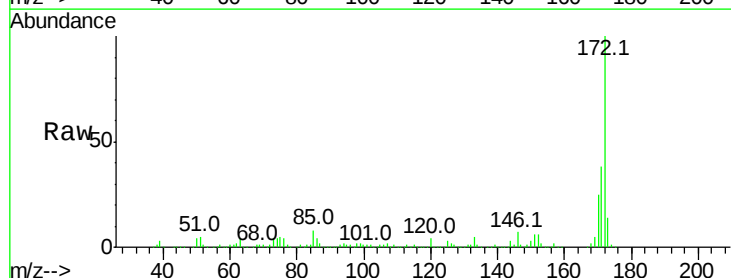


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

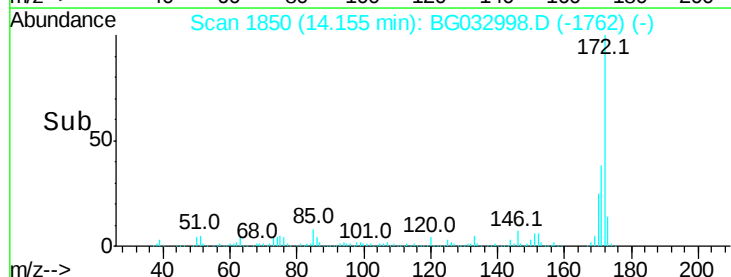
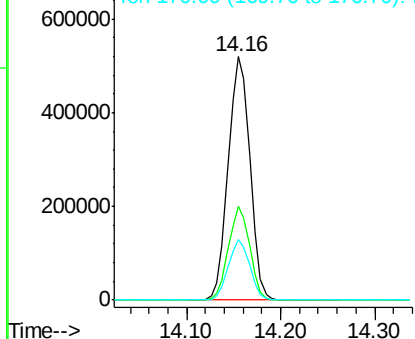


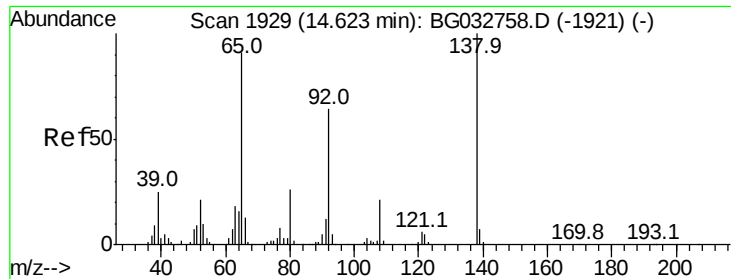
#44
 2-Fluorobiphenyl
 Concen: 87.171 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032998.D
 Acq: 5 Mar 2018 20:22

Tgt Ion:172 Resp: 831215
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 24.9 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 10.366 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.46 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Instrument :

BNA_G

ClientSampleId :

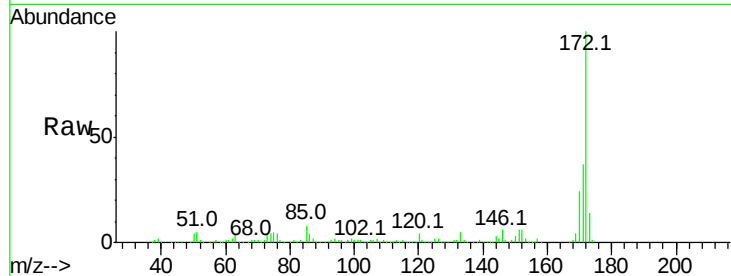
Tot Ion: 65 Resp: 1509

Ion Ratio Lower Upper

65 100

92 181.4 54.6 82.0#

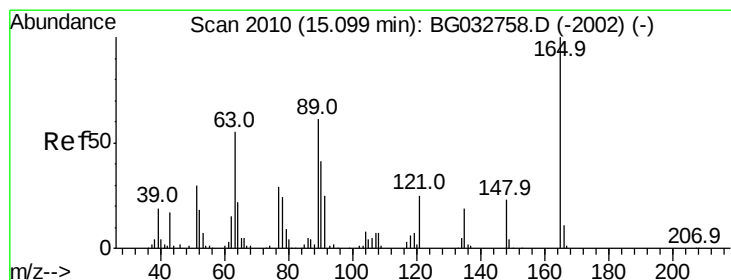
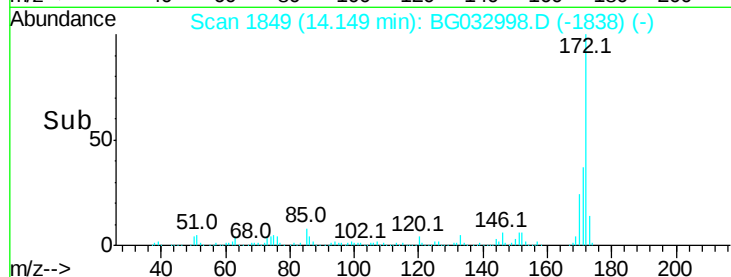
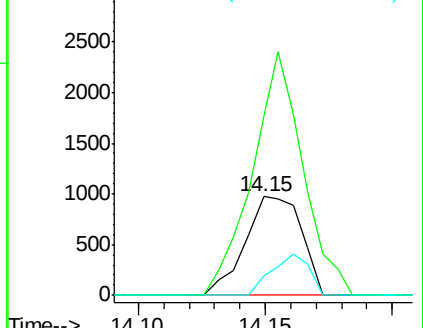
138 19.8 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.668 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

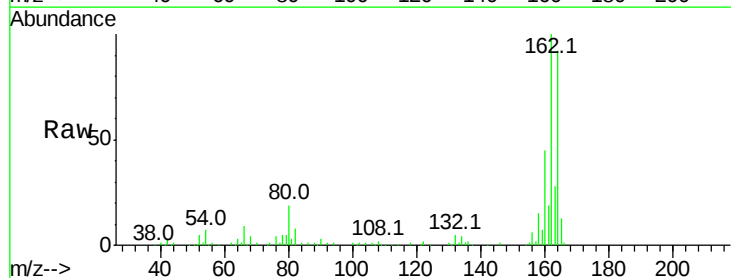
Tgt Ion:165 Resp: 18434

Ion Ratio Lower Upper

165 100

63 1.4 52.7 79.1#

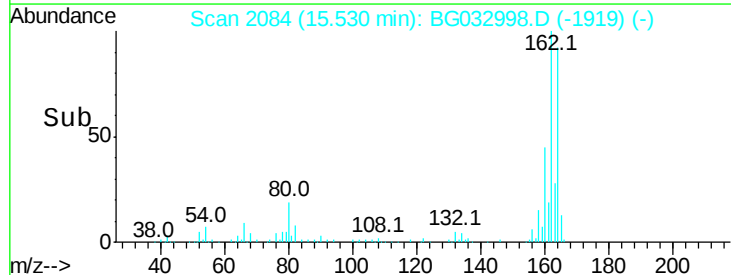
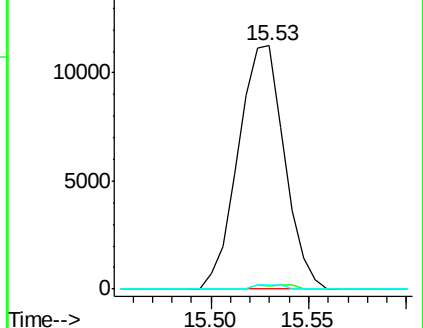
89 2.0 49.2 73.8#

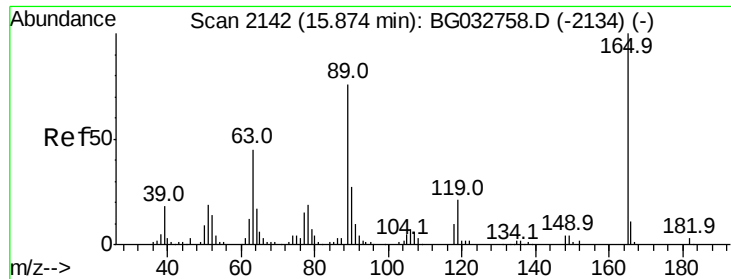


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

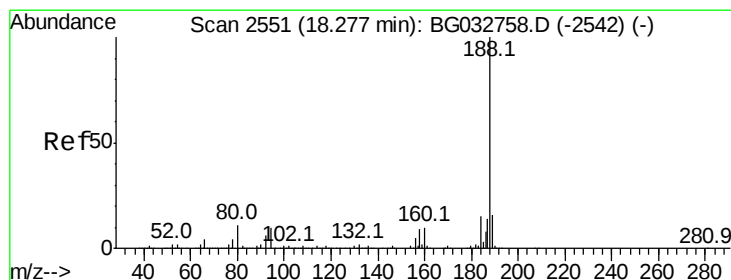
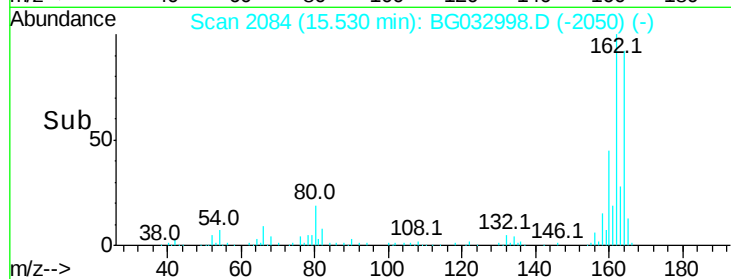
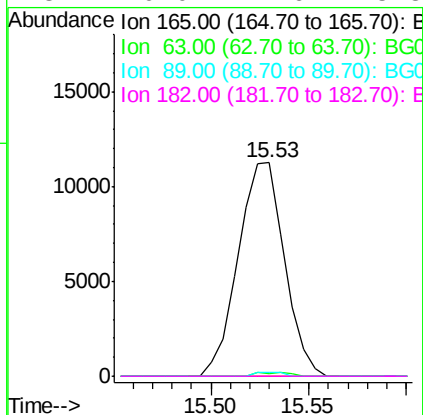
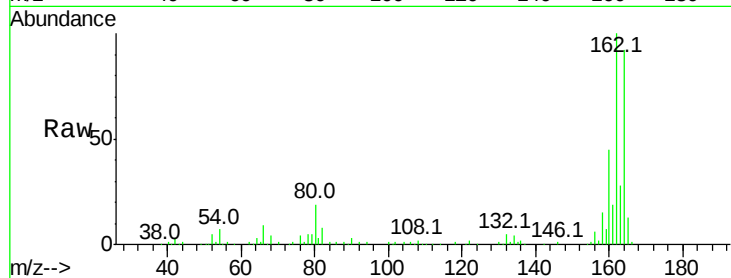




#56
 2,4-Dinitrotoluene
 Concen: 14.867 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032998.D
 Acq: 5 Mar 2018 20:22

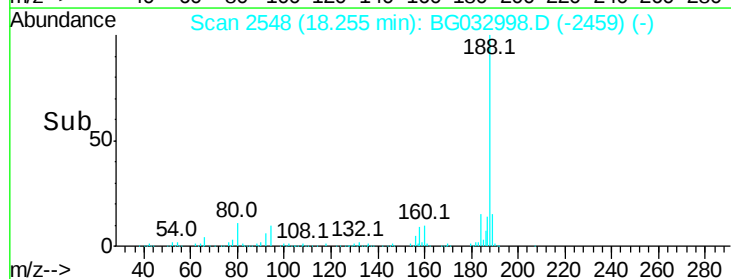
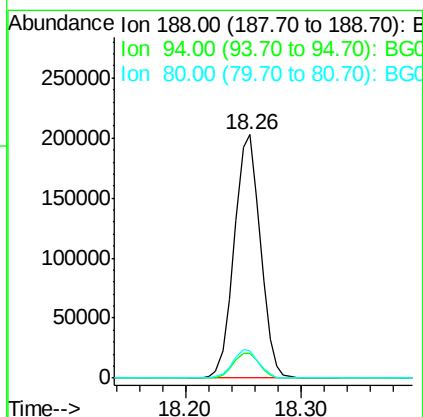
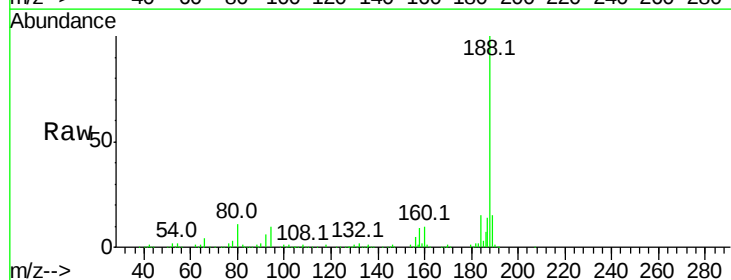
Instrument :
 BNA_G
 ClientSampleId :

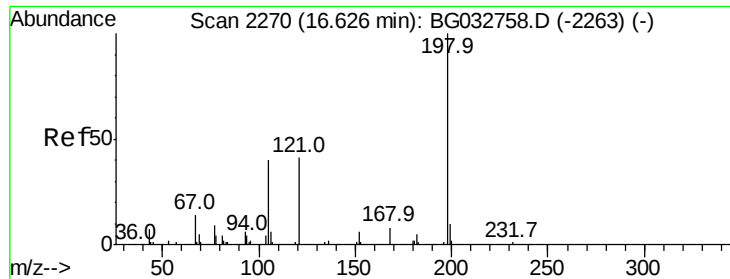
Tot Ion:	165	Resp:	18434
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032998.D
 Acq: 5 Mar 2018 20:22

Tgt Ion:	188	Resp:	318408
Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.9	10.3
80	11.3	7.7	11.5

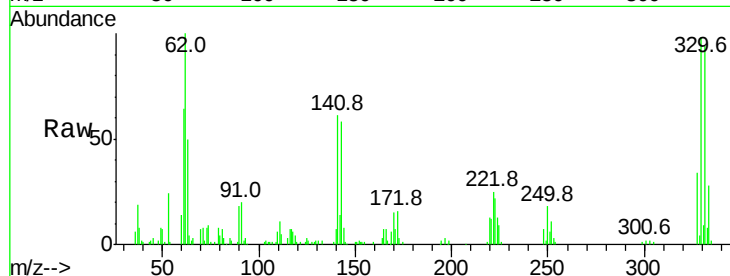




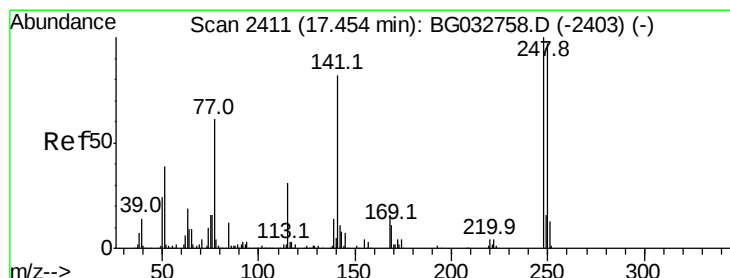
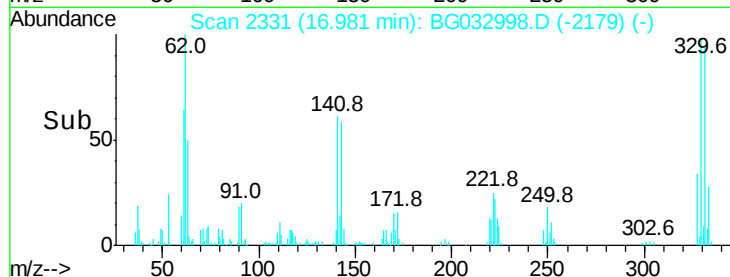
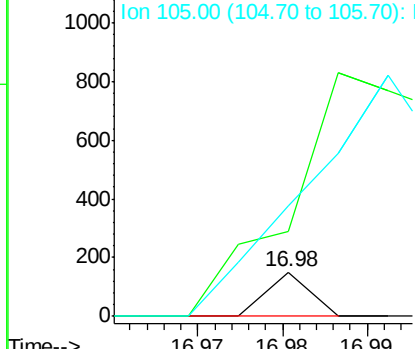
#64
4,6-Dinitro-2-methylphenol
Concen: 5.018 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.36 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 192.7 30.6 70.6#
105 249.7 23.8 63.8#

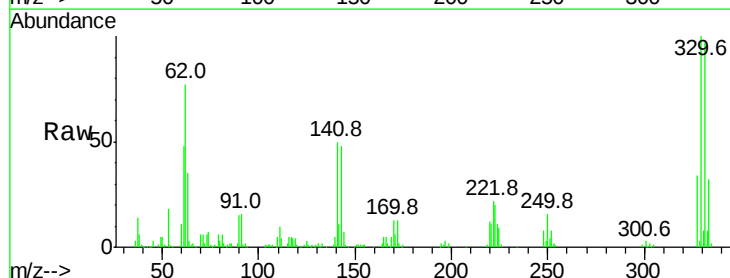


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

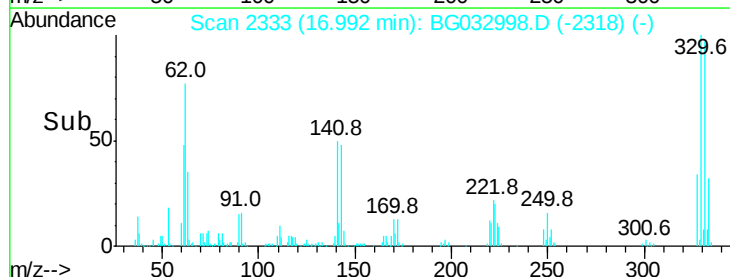
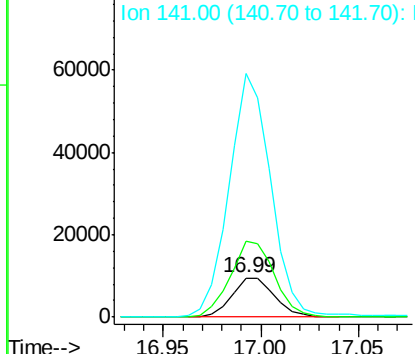


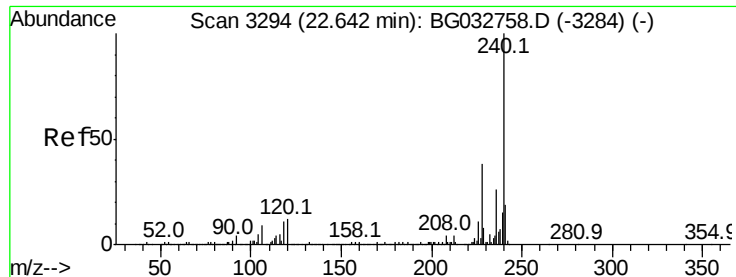
#66
4-Bromophenyl-phenylether
Concen: 4.218 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.44 min
Lab File: BG032998.D
Acq: 5 Mar 2018 20:22

Tgt Ion:248 Resp: 14200
Ion Ratio Lower Upper
248 100
250 192.5 77.1 115.7#
141 622.4 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# 3289

Delta R.T. -0.01 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Instrument :

BNA_G

ClientSampleId :

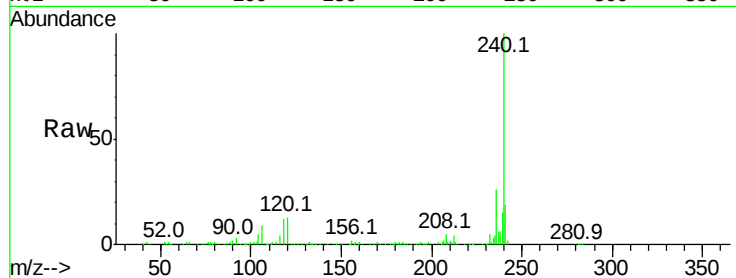
Tot Ion:240 Resp: 299198

Ion Ratio Lower Upper

240 100

120 12.6 6.8 10.2#

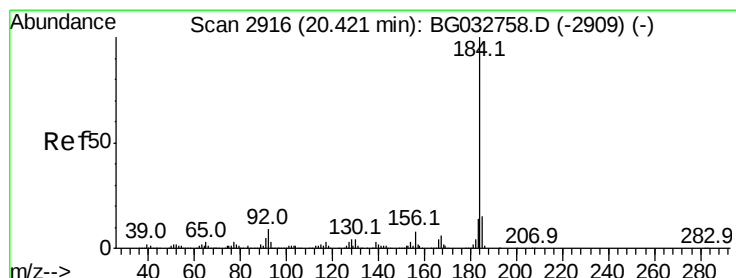
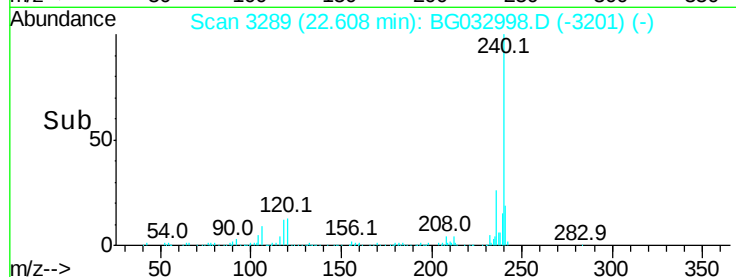
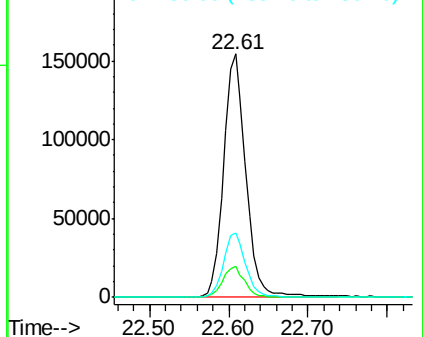
236 26.5 20.9 31.3



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: 2.063 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

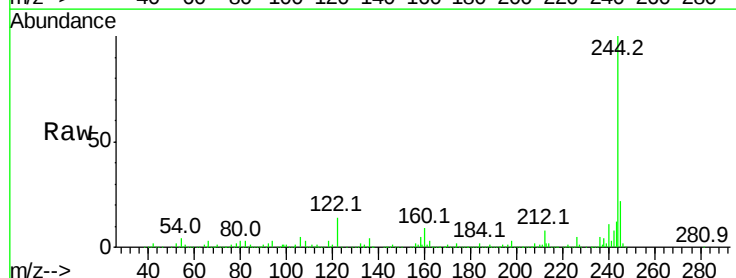
Tgt Ion:184 Resp: 21040

Ion Ratio Lower Upper

184 100

185 18.4 11.1 16.7#

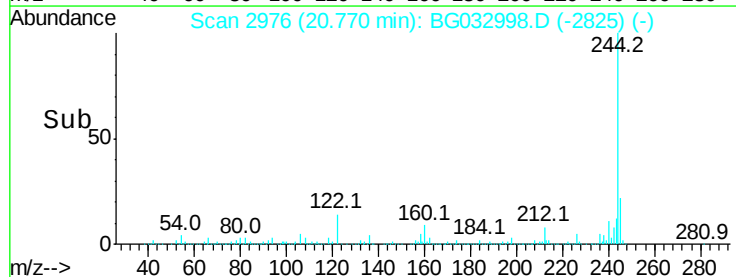
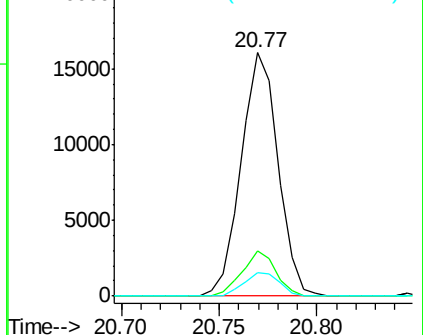
183 9.5 10.6 16.0#

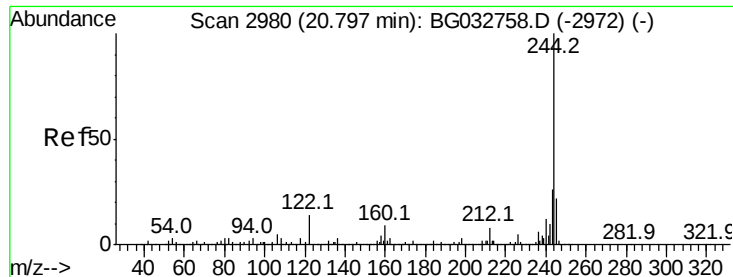


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.544 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Instrument :

BNA_G

ClientSampled :

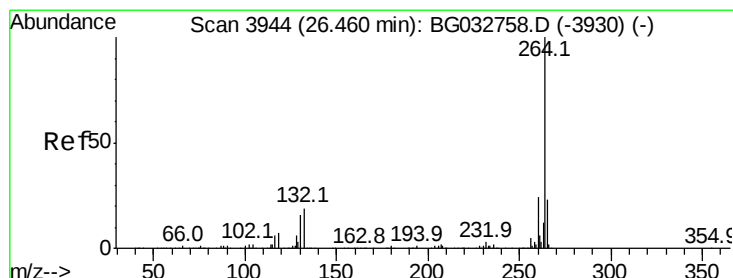
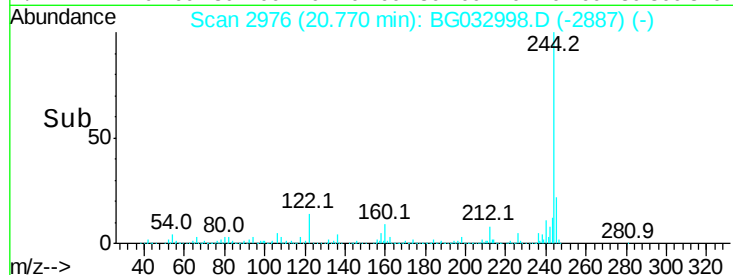
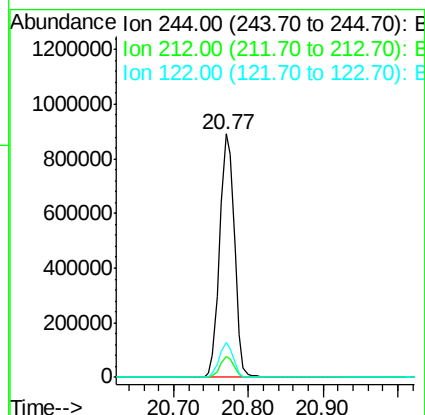
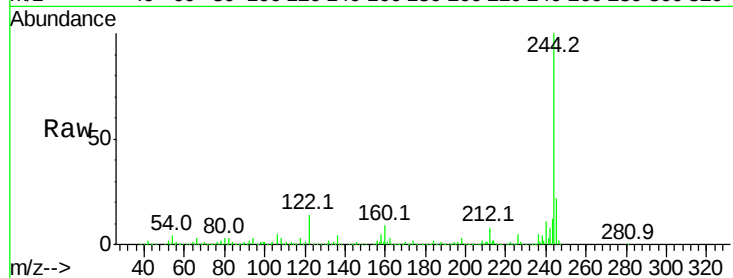
Tot Ion:244 Resp: 1219102

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

122 14.3 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.02 min

Lab File: BG032998.D

Acq: 5 Mar 2018 20:22

Tgt Ion:264 Resp: 291091

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.9 17.7 26.5

