

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033091.D
 Acq On : 12 Mar 2018 16:10
 Operator : SJ/JU
 Sample : J1869-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 18:00:06 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

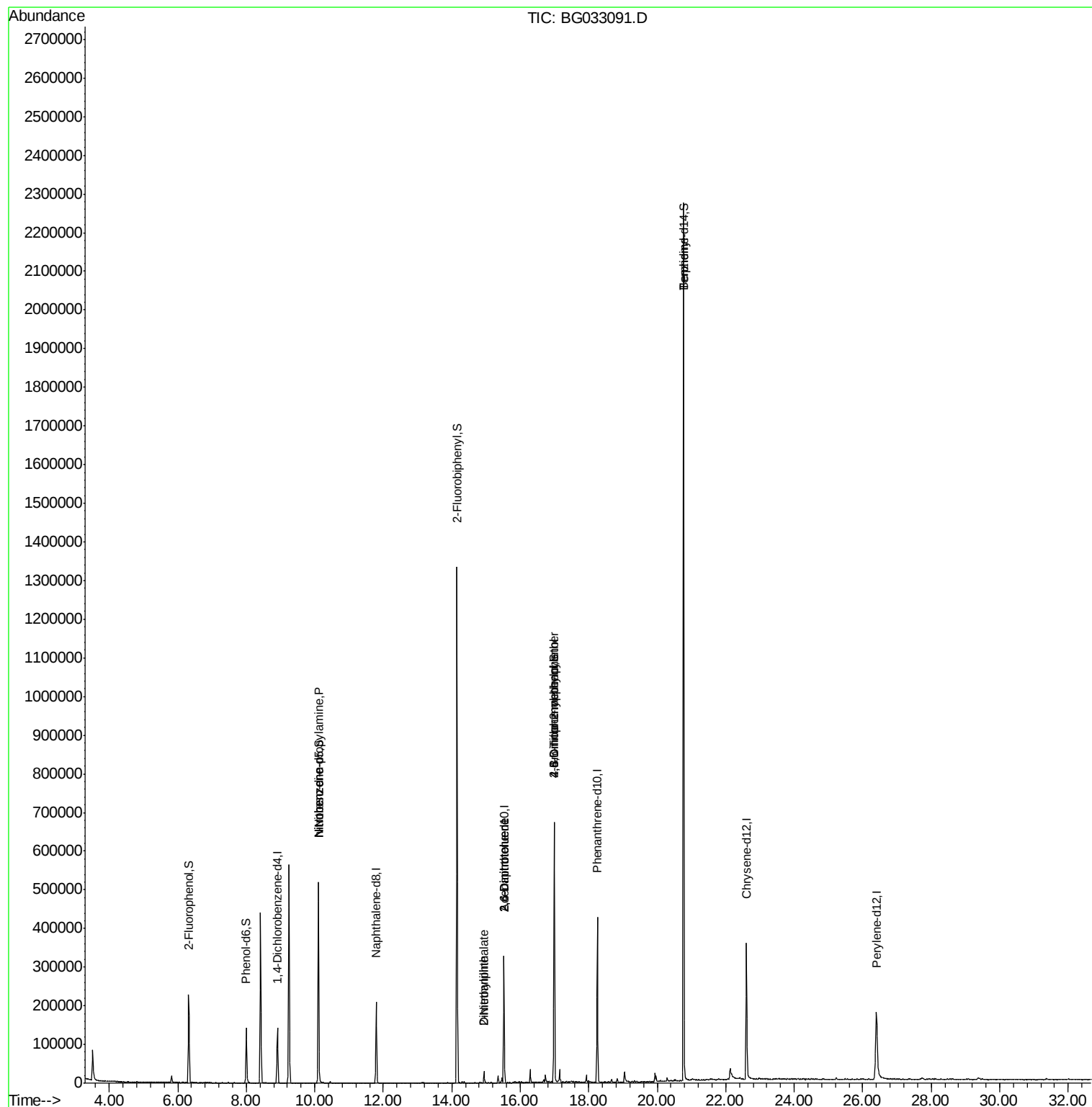
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	42230	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	185954	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	110350	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	257955	20.00	ng	0.00
75) Chrysene-d12	22.60	240	244528	20.00	ng	0.00
86) Perylene-d12	26.40	264	244483	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	107819	40.85	ng	0.00
7) Phenol-d6	8.00	99	87809	23.87	ng	0.00
23) Nitrobenzene-d5	10.11	82	326551	117.56	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	125984	108.58	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	714260	93.35	ng	0.00
78) Terphenyl-d14	20.77	244	1057773	97.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	42774	16.468	ng	# 84
24) Nitrobenzene	10.10	77	1018	6.678	ng	# 44
47) 2-Nitroaniline	14.94	65	58	9.861	ng	# 1
49) Dimethylphthalate	14.94	163	20496	2.187	ng	# 96
50) 2,6-Dinitrotoluene	15.52	165	14436	16.481	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	14436	14.679	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	344	5.516	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8143	2.985	ng	# 1
76) Benzidine	20.77	184	18152	2.178	ng	# 94

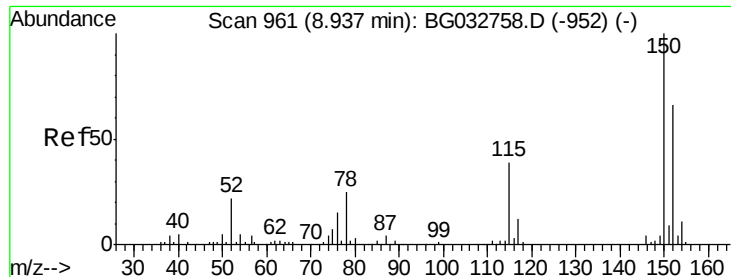
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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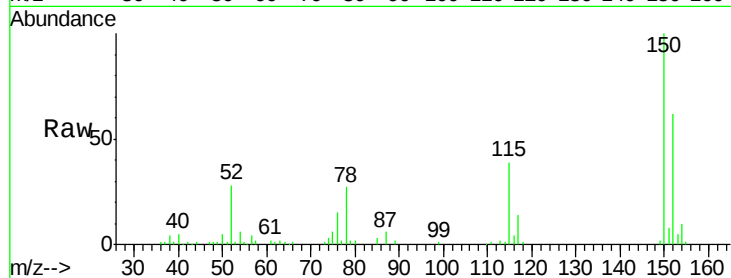


#1

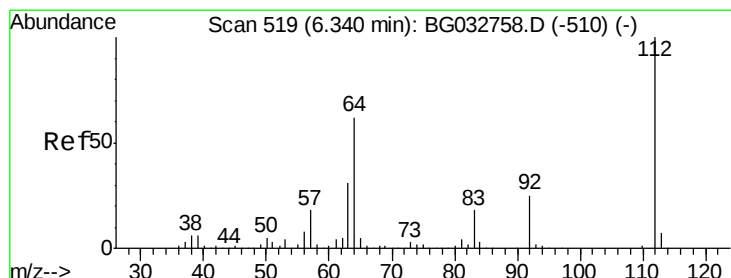
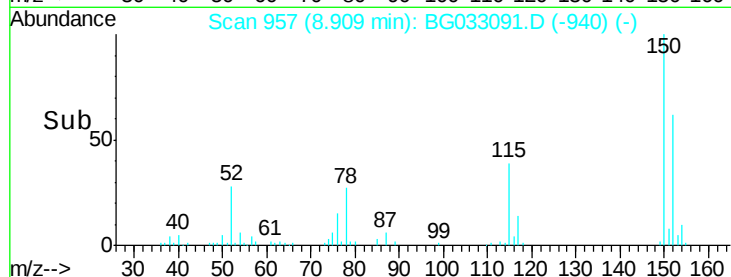
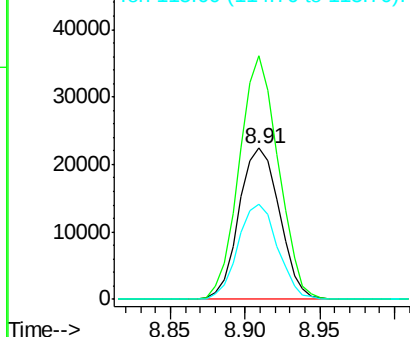
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42230
Ion Ratio Lower Upper
152 100
150 161.0 126.6 189.8
115 62.9 53.0 79.4



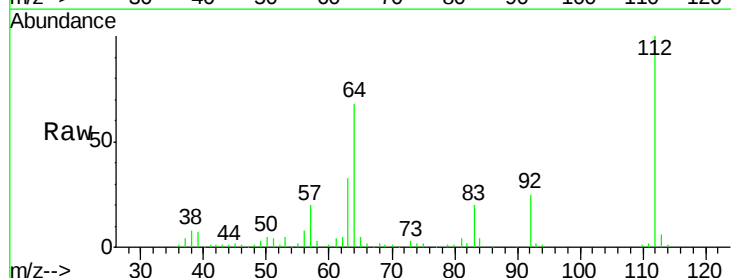
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



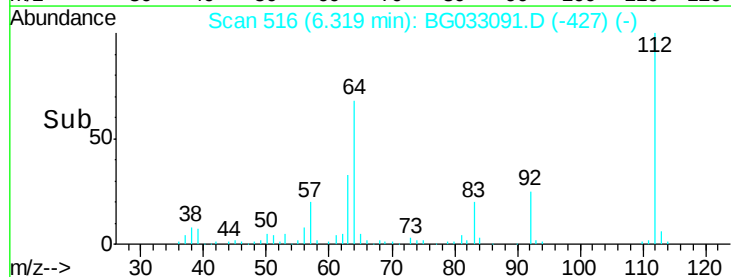
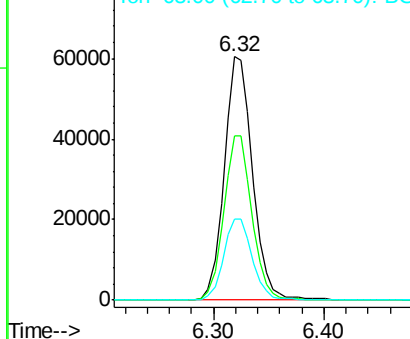
#5

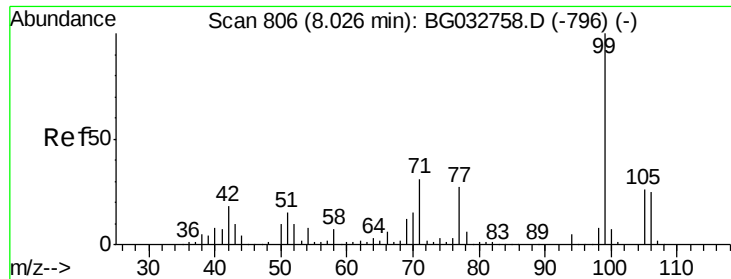
2-Fluorophenol
Concen: 40.846 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.01 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Tgt Ion:112 Resp: 107819
Ion Ratio Lower Upper
112 100
64 67.6 56.3 84.5
63 33.4 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: 23.866 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Instrument :

BNA_G

ClientSampleId :

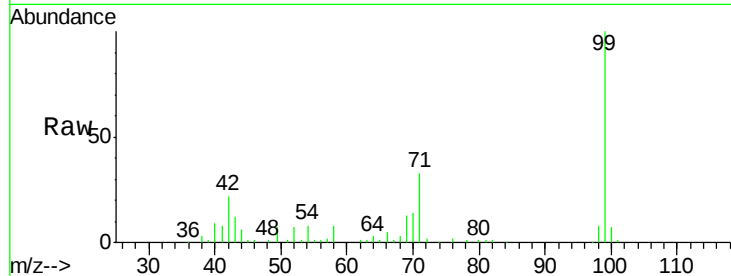
Tot Ion: 99 Resp: 87809

Ion Ratio Lower Upper

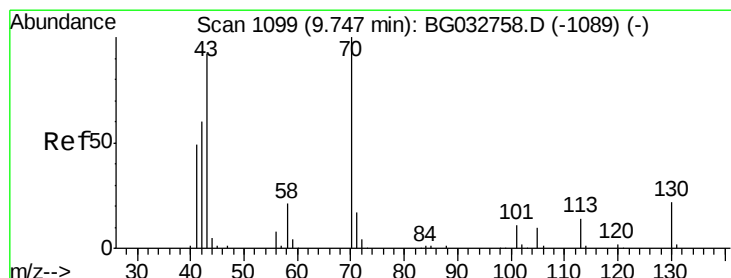
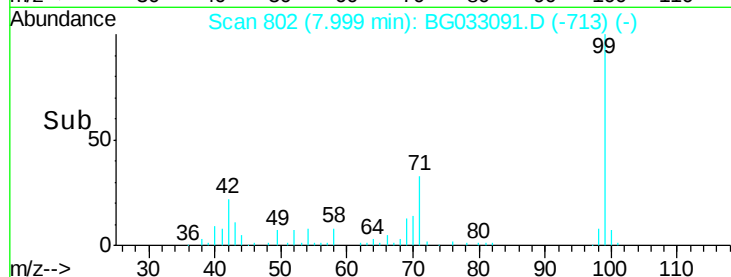
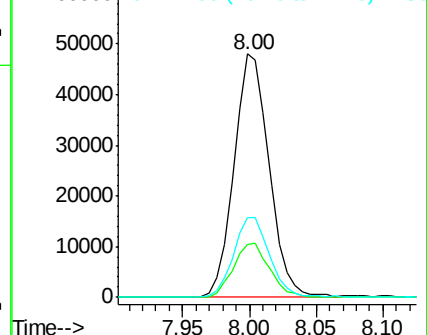
99 100

42 21.6 14.1 21.1#

71 32.7 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: 16.468 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Tgt Ion: 70 Resp: 42774

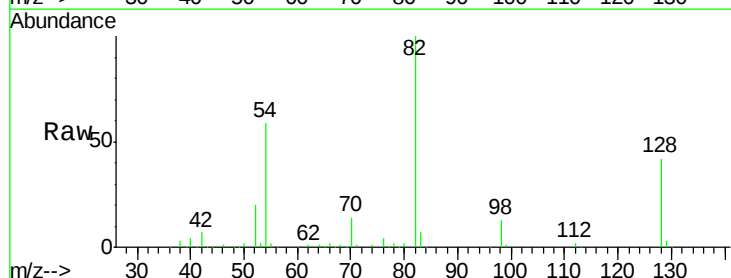
Ion Ratio Lower Upper

70 100

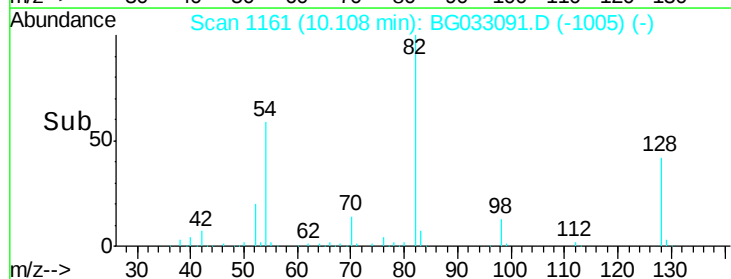
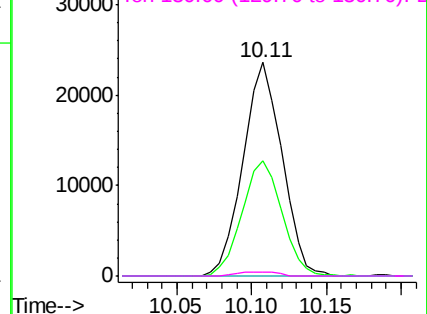
42 54.1 49.1 73.7

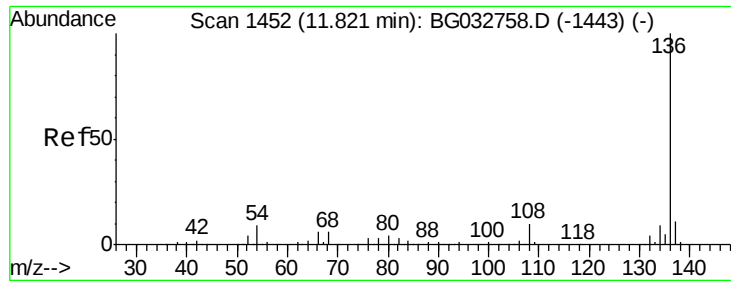
101 0.0 8.5 12.7#

130 1.9 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

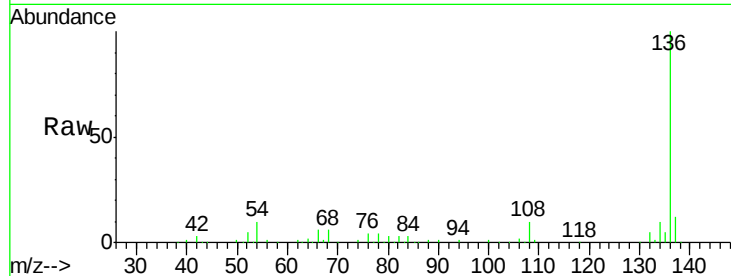




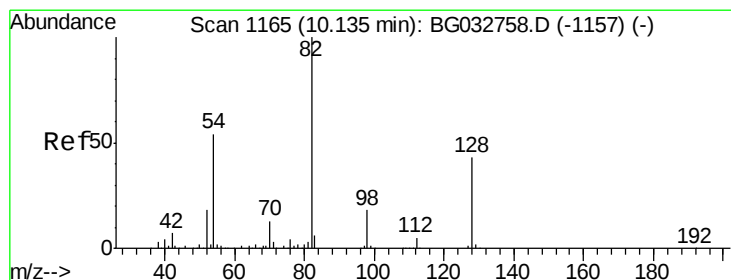
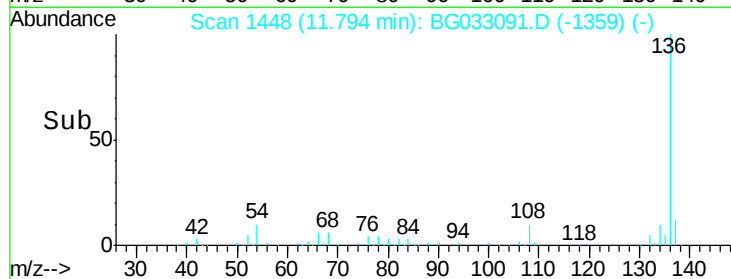
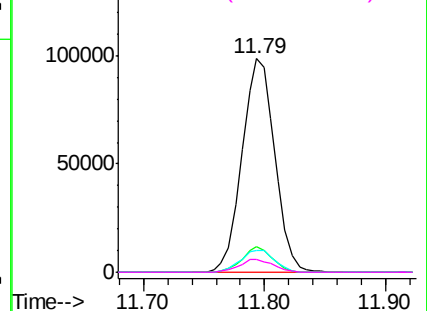
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	185954
Ion Ratio	Lower	Upper
136	100	
137	12.2	9.2 13.8
54	10.3	10.3 15.5
68	5.9	4.5 6.7

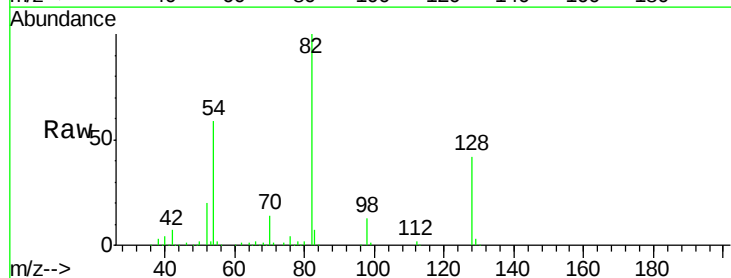


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

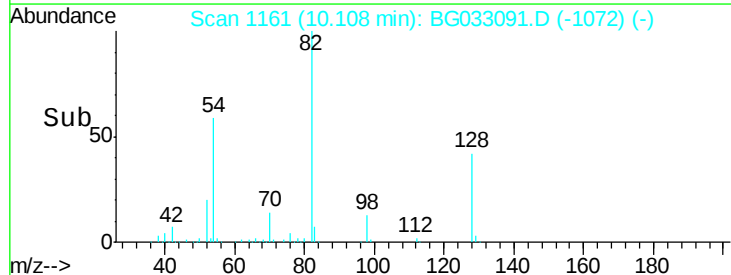
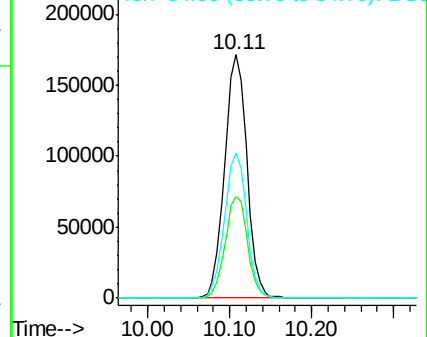


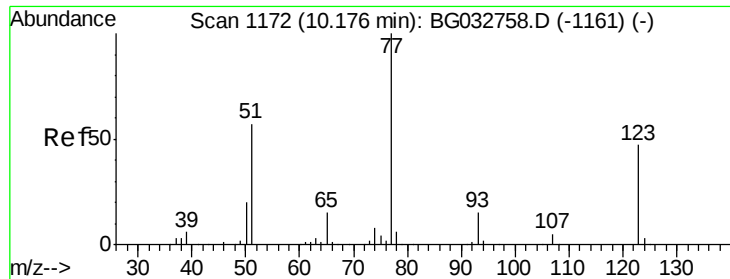
#23
Nitrobenzene-d5
Concen: 117.565 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Tgt Ion: 82	Resp:	326551
Ion Ratio	Lower	Upper
82	100	
128	41.8	29.7 44.5
54	59.4	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: 6.678 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Instrument :

BNA_G

ClientSampled :

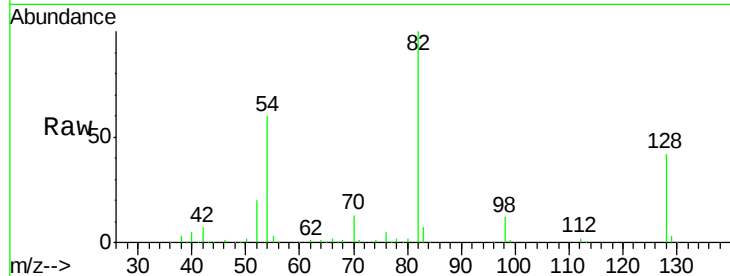
Tot Ion: 77 Resp: 1018

Ion Ratio Lower Upper

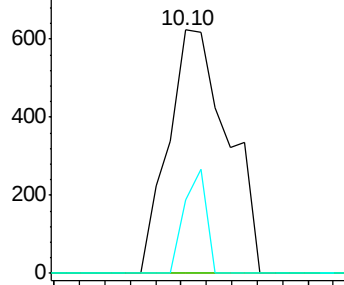
77 100

123 0.0 33.0 49.6#

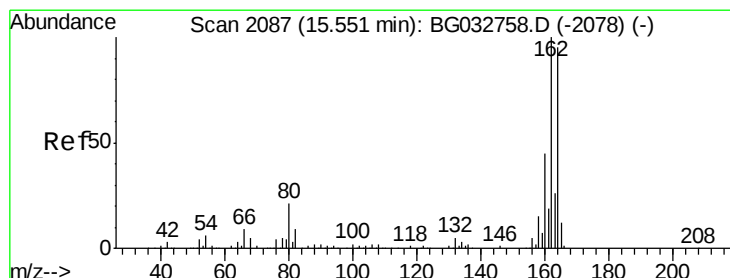
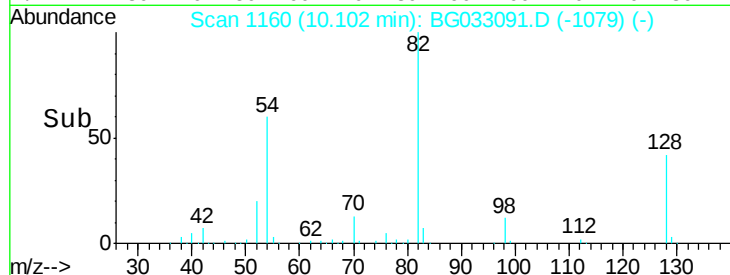
65 30.0 13.0 19.6#



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



Time--> 10.05 10.10 10.15



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

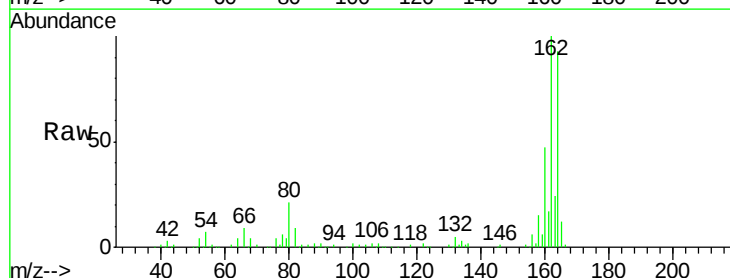
Tgt Ion:164 Resp: 110350

Ion Ratio Lower Upper

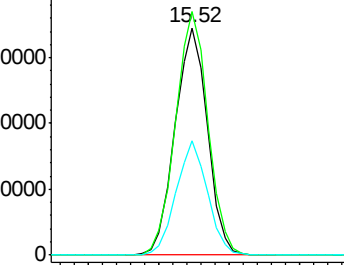
164 100

162 107.3 78.8 118.2

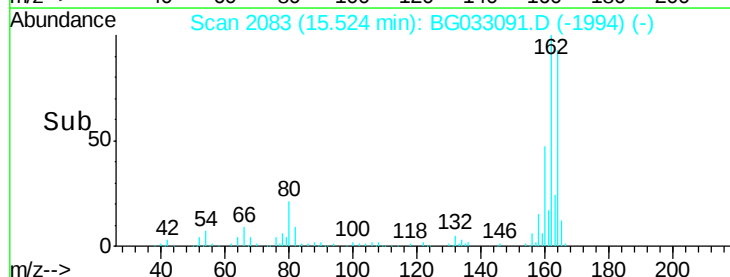
160 50.3 35.4 53.0

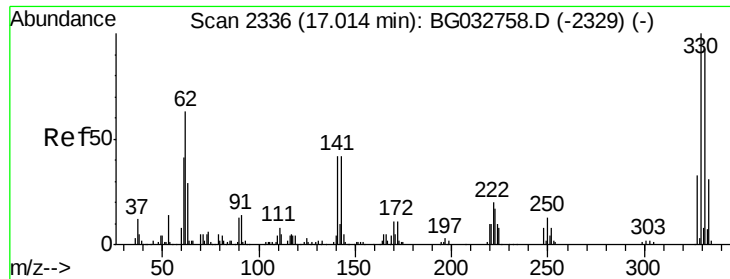


Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC



Time--> 15.45 15.50 15.55 15.60

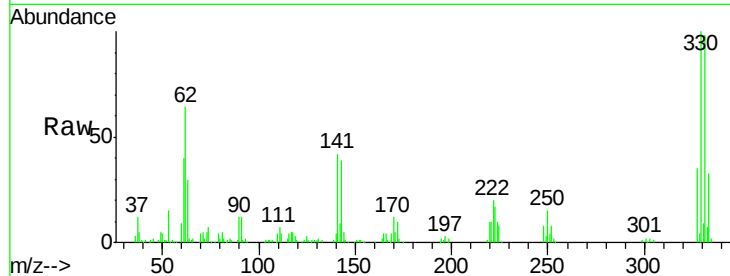




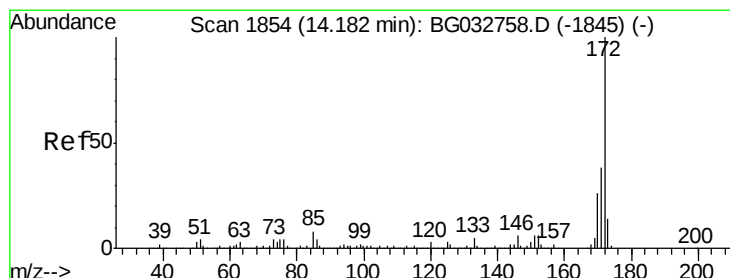
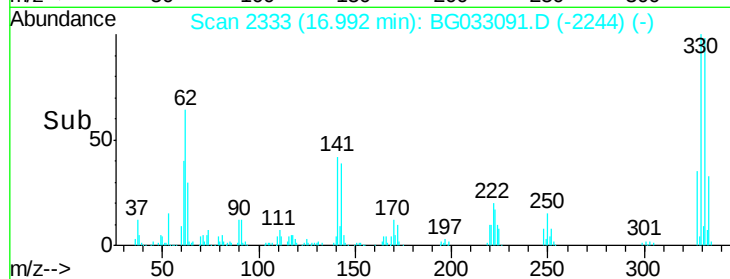
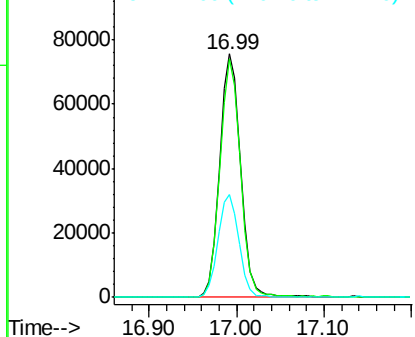
#41
 2,4,6-Tribromophenol
 Concen: 108.580 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 125984
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.1 25.2 37.8#

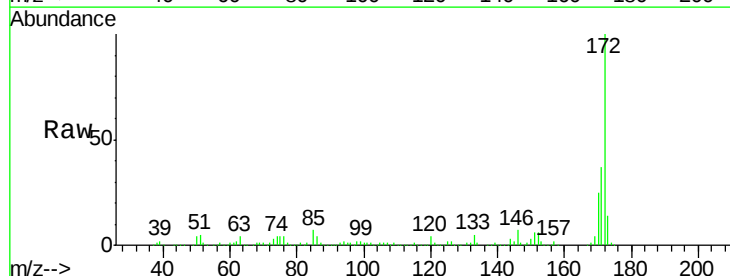


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

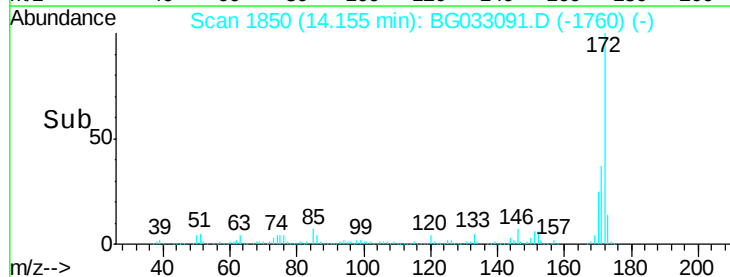
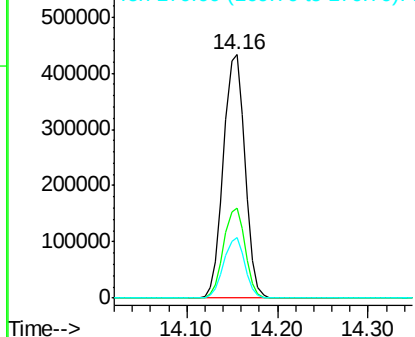


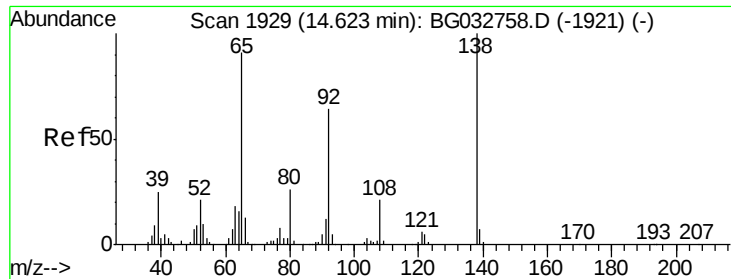
#44
 2-Fluorobiphenyl
 Concen: 93.352 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

Tgt Ion:172 Resp: 714260
 Ion Ratio Lower Upper
 172 100
 171 37.1 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: 9.861 ng

RT: 14.94 min Scan# 1984

Delta R.T. 0.34 min

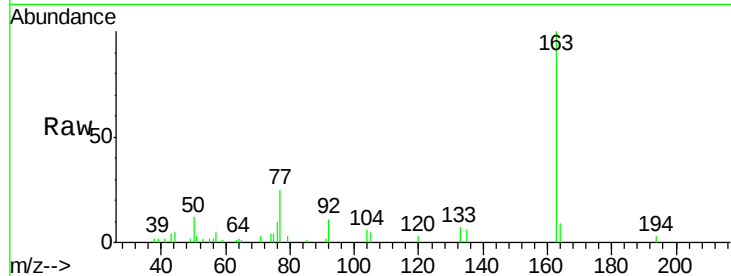
Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

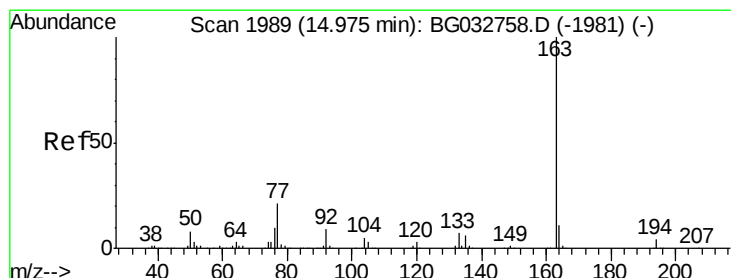
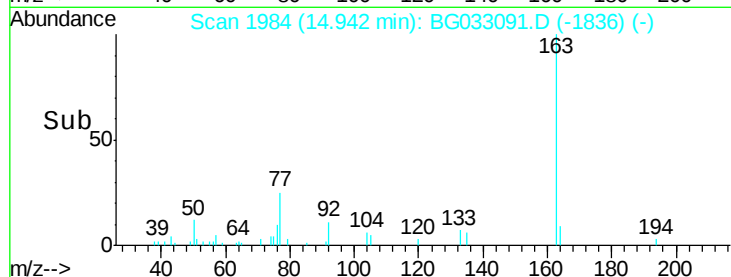
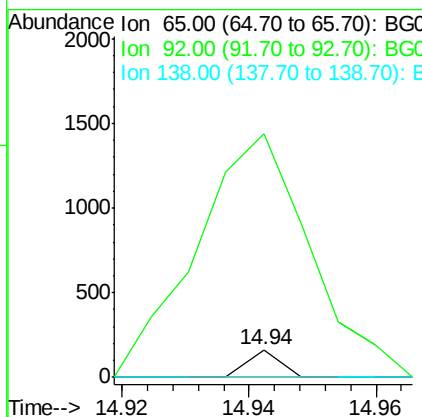
Instrument :

BNA_G

ClientSampled :



Tot Ion:	65	Resp:	58
Ion	Ratio	Lower	Upper
65	100		
92	876.8	54.6	82.0#
138	0.0	72.9	109.3#



#49

Dimethylphthalate

Concen: 2.187 ng

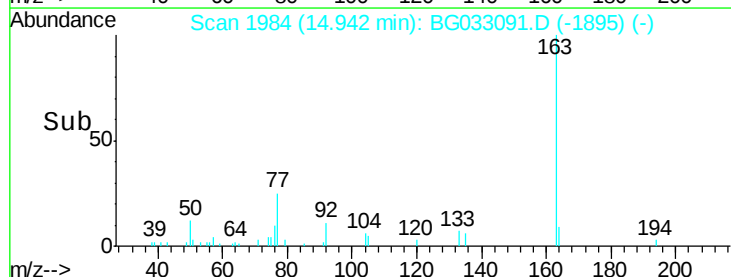
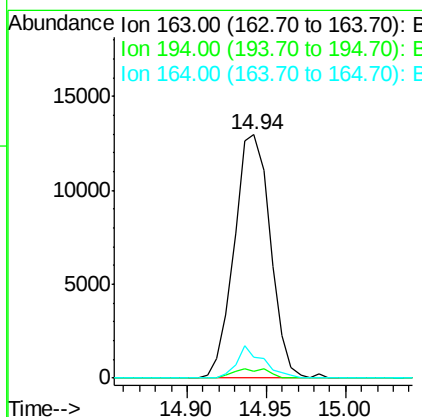
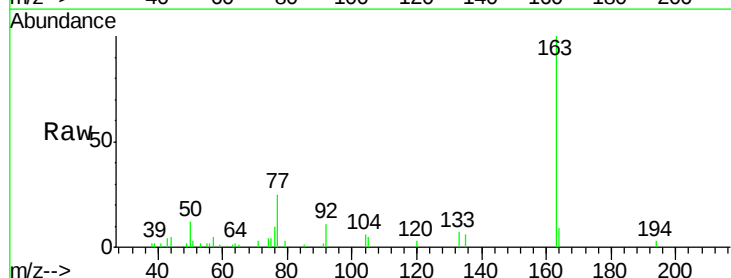
RT: 14.94 min Scan# 1984

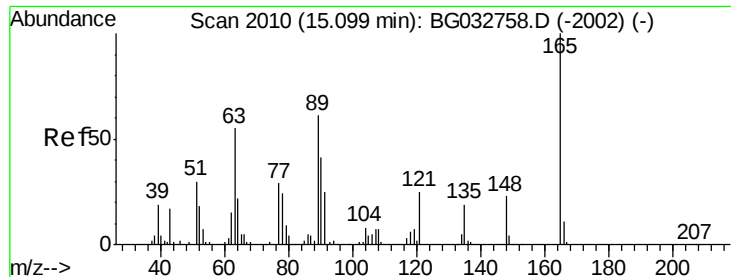
Delta R.T. -0.01 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Tgt Ion:	163	Resp:	20496
Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.4	5.2#
164	8.6	8.2	12.4

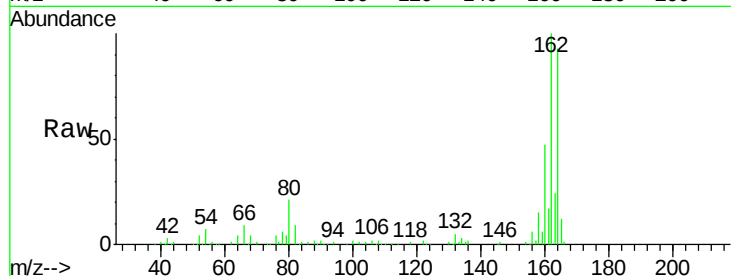




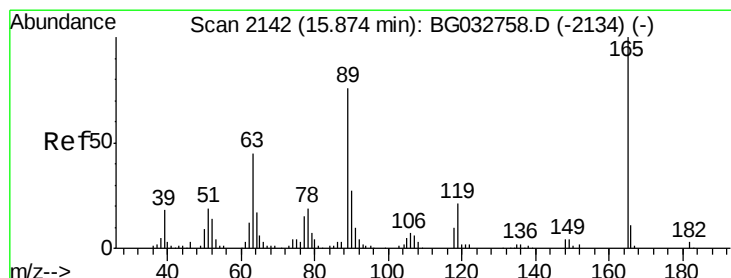
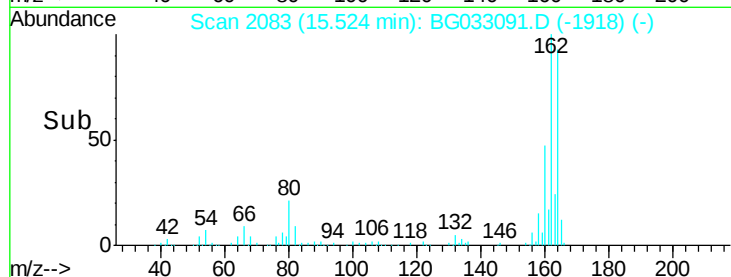
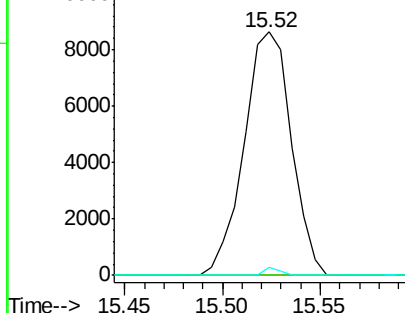
#50
2,6-Dinitrotoluene
Concen: 16.481 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14436
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 3.3 49.2 73.8#

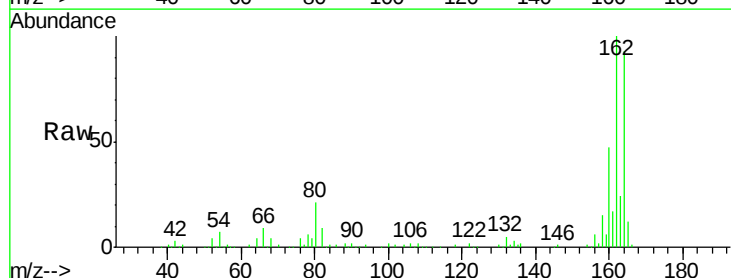


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

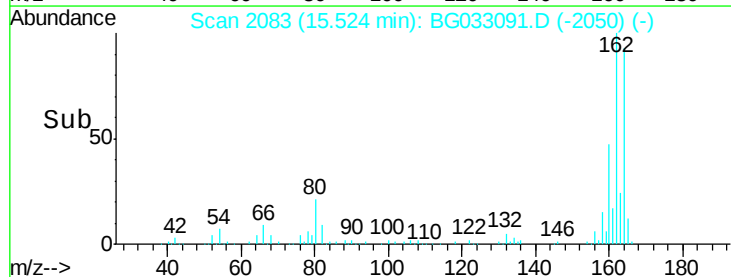
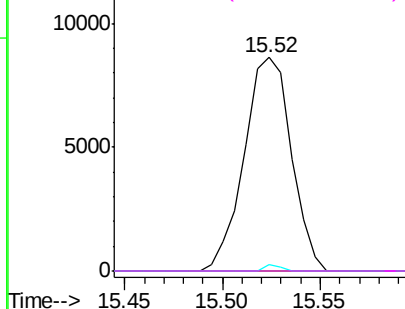


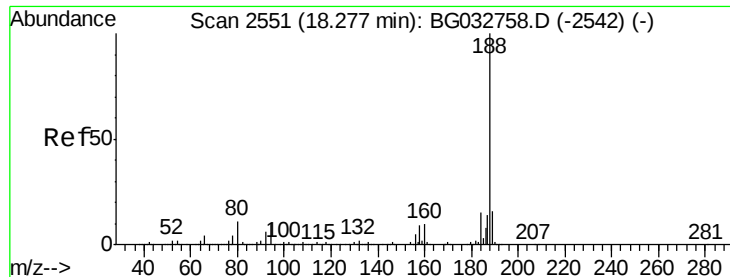
#56
2,4-Dinitrotoluene
Concen: 14.679 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033091.D
Acq: 12 Mar 2018 16:10

Tgt Ion:165 Resp: 14436
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.3 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

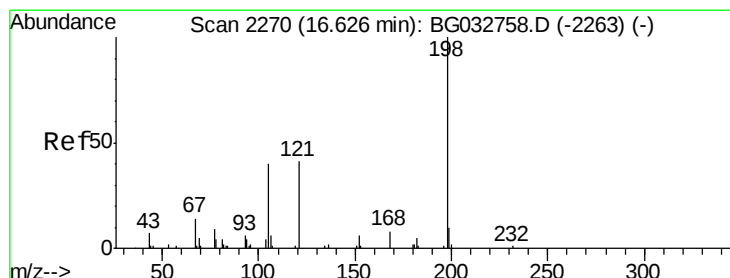
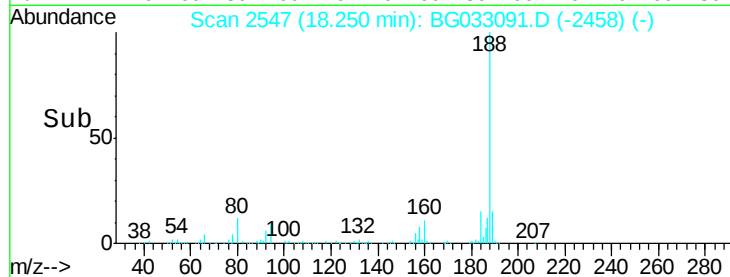
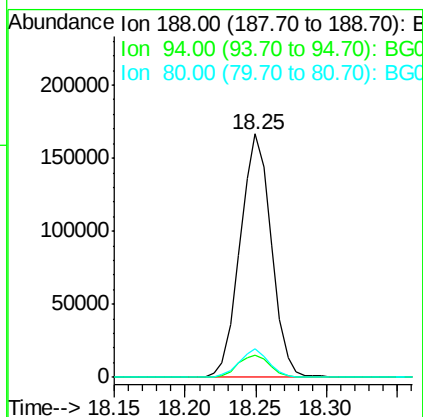
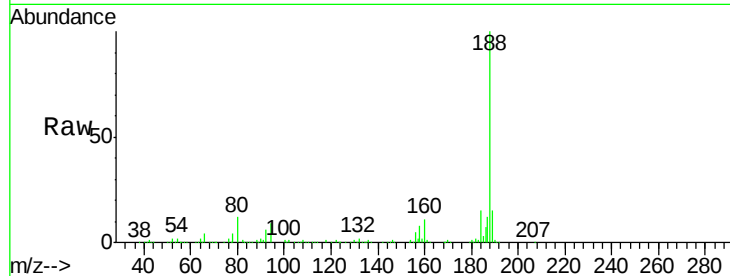




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

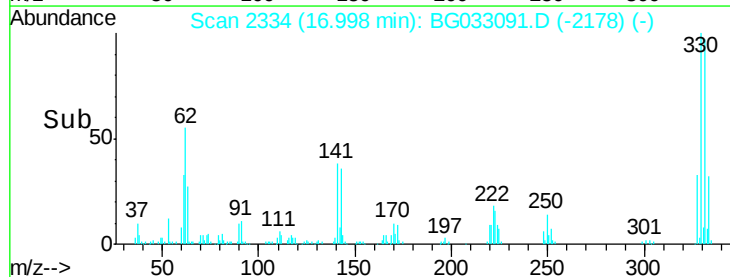
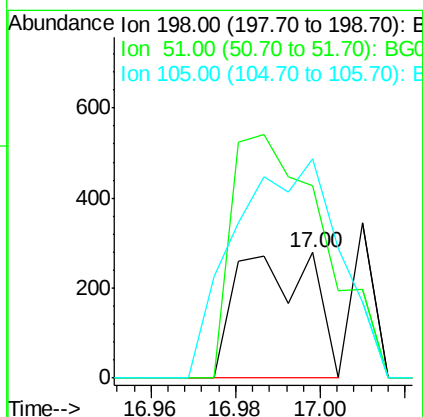
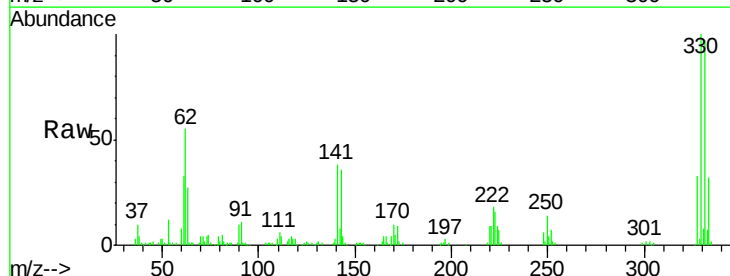
Instrument :
 BNA_G
 ClientSampled :

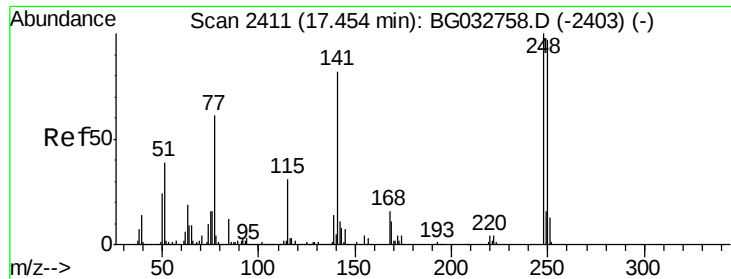
Tot Ion:188 Resp: 257955
 Ion Ratio Lower Upper
 188 100
 94 9.4 6.9 10.3
 80 11.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.516 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.39 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

Tgt Ion:198 Resp: 344
 Ion Ratio Lower Upper
 198 100
 51 153.0 30.6 70.6#
 105 174.9 23.8 63.8#

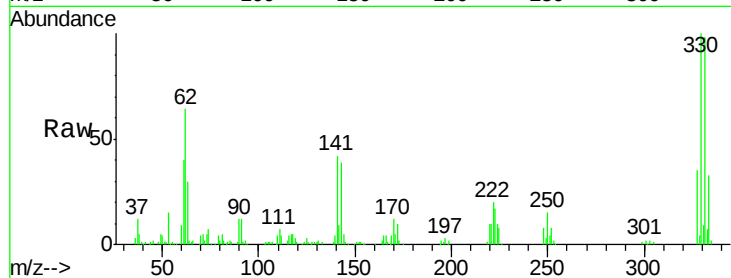




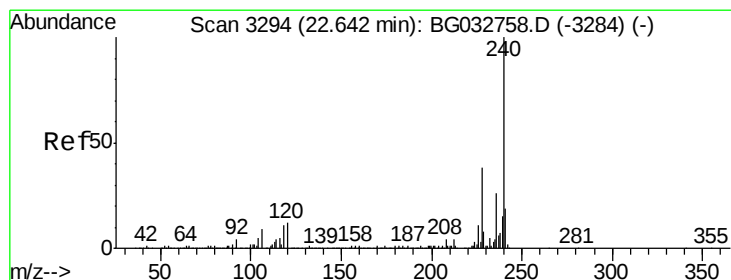
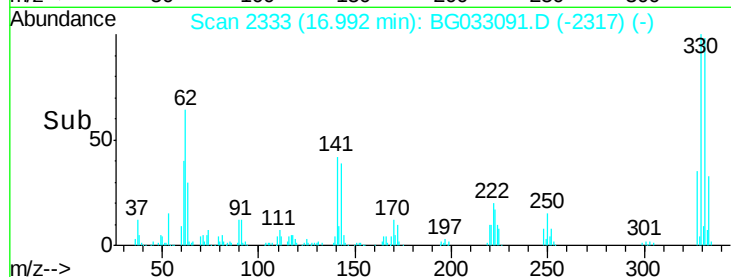
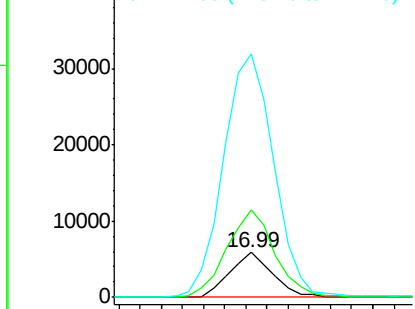
#66
 4-Bromophenyl-phenylether
 Concen: 2.985 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 8143
 Ion Ratio Lower Upper
 248 100
 250 194.8 77.1 115.7#
 141 544.9 50.8 76.2#

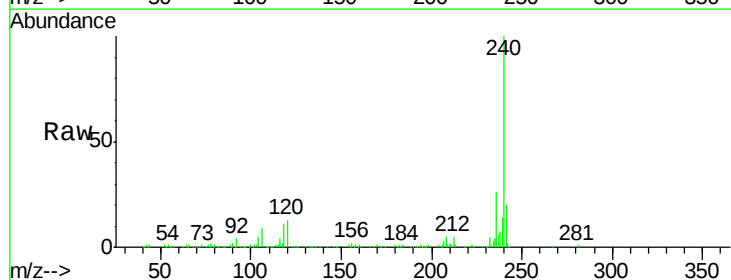


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

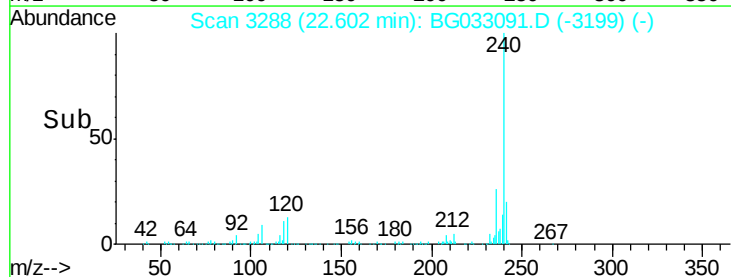
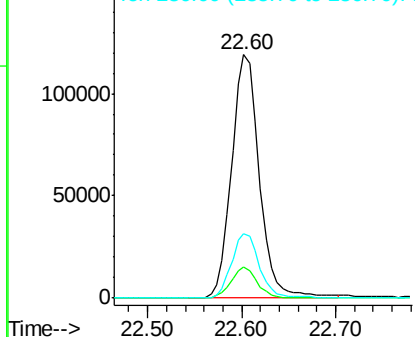


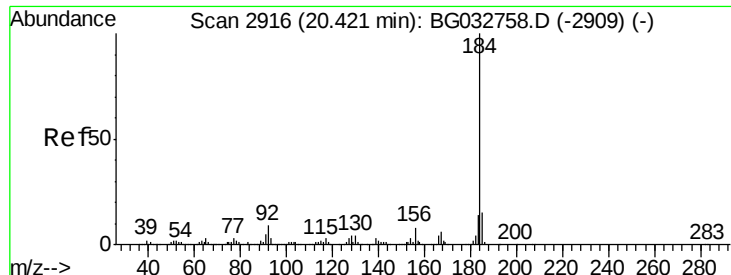
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033091.D
 Acq: 12 Mar 2018 16:10

Tgt Ion:240 Resp: 244528
 Ion Ratio Lower Upper
 240 100
 120 12.8 6.8 10.2#
 236 26.4 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: 2.178 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Instrument :

BNA_G

ClientSampleId :

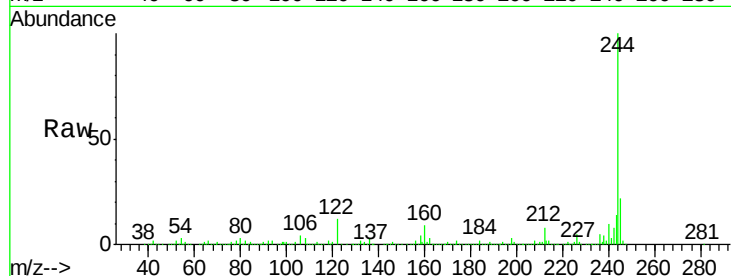
Tot Ion:184 Resp: 18152

Ion Ratio Lower Upper

184 100

185 14.5 11.1 16.7

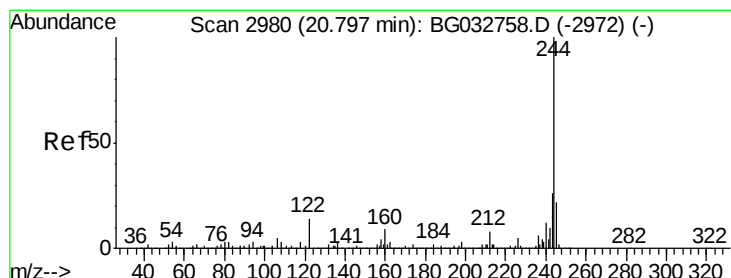
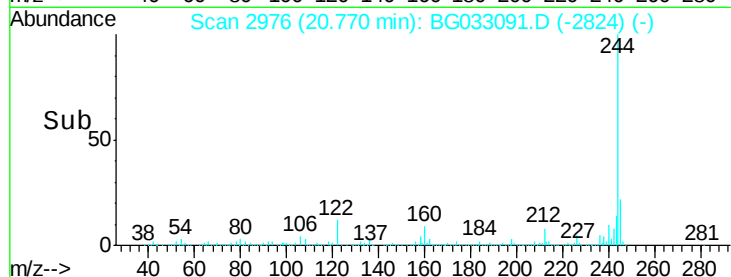
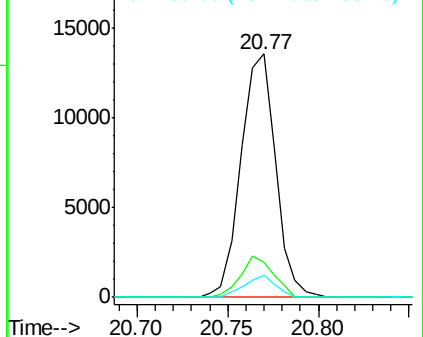
183 9.0 10.6 16.0#



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: 97.188 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

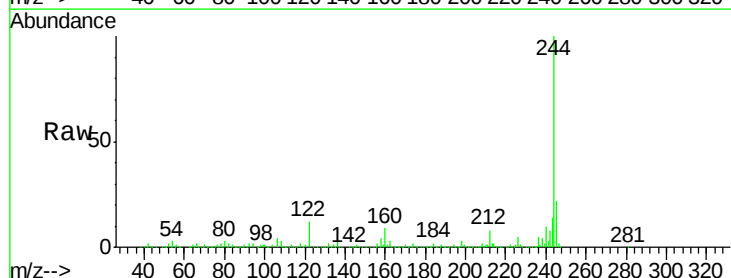
Tgt Ion:244 Resp: 1057773

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

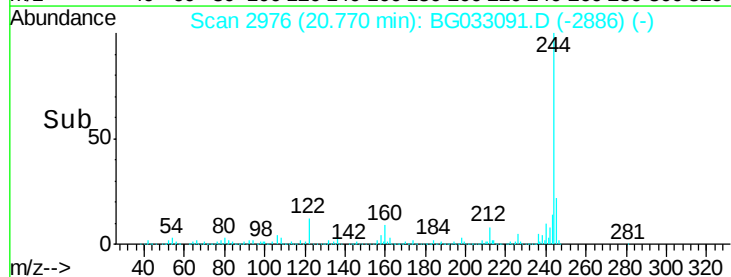
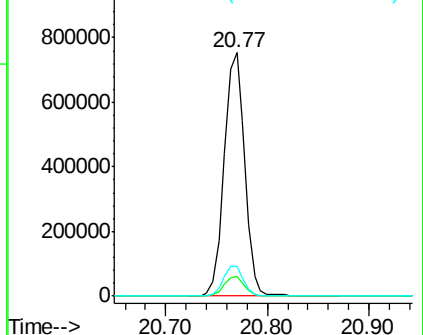
122 12.1 7.0 10.4#

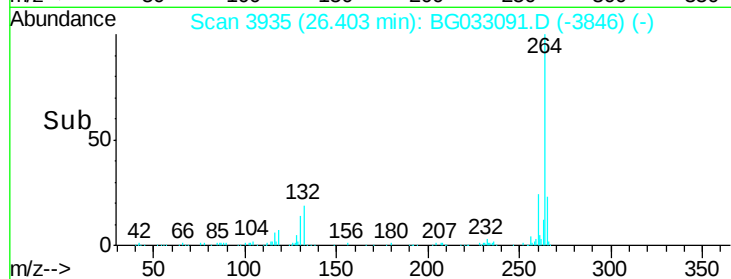
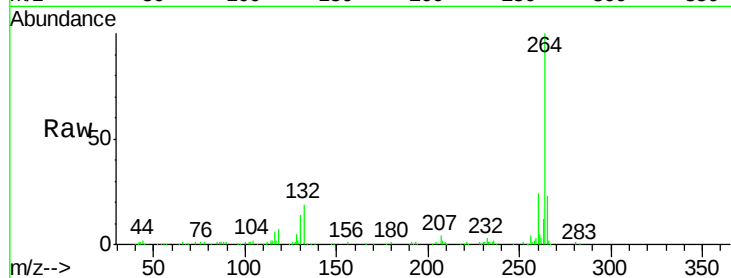
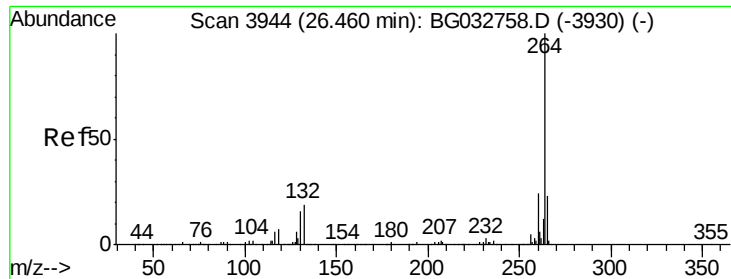


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033091.D

Acq: 12 Mar 2018 16:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 244483

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.8 17.7 26.5

