

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033097.D
 Acq On : 12 Mar 2018 19:57
 Operator : SJ/JU
 Sample : PB107235BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:45:24 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

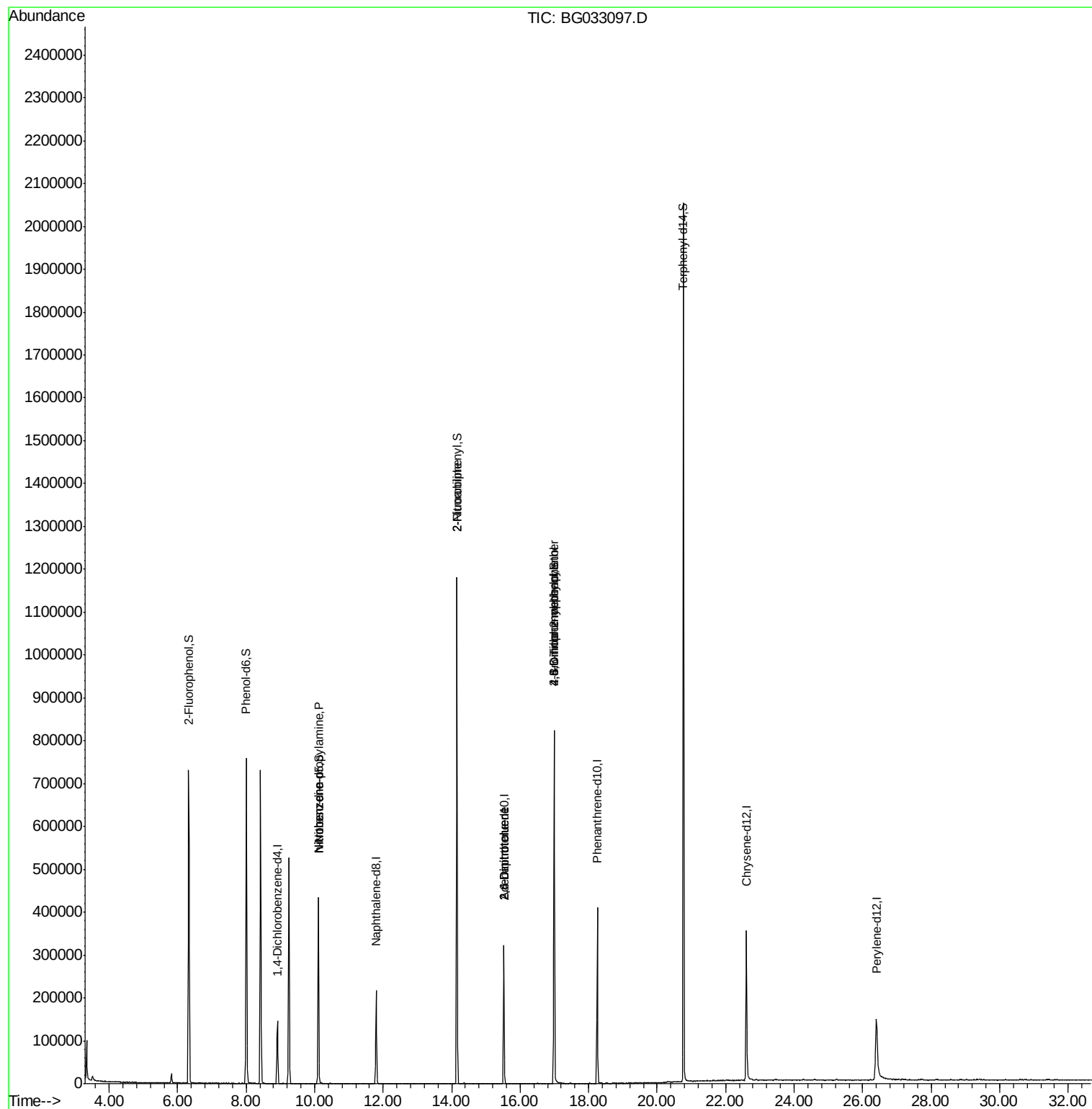
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	43127	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	193239	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	111180	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	256813	20.00	ng	0.00
75) Chrysene-d12	22.60	240	249180	20.00	ng	0.00
86) Perylene-d12	26.40	264	222604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	341616	126.73	ng	0.00
7) Phenol-d6	8.01	99	457994	121.89	ng	0.00
23) Nitrobenzene-d5	10.11	82	275970	97.46	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	149792	128.13	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	613385	79.57	ng	0.00
78) Terphenyl-d14	20.77	244	954796	86.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	36245	13.664	ng	# 84
24) Nitrobenzene	10.11	77	859	6.622	ng	# 42
47) 2-Nitroaniline	14.16	65	1109	10.317	ng	# 16
50) 2,6-Dinitrotoluene	15.52	165	13992	16.193	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	13992	14.389	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.98	198	131	5.165	ng	# 18
66) 4-Bromophenyl-phenylether	16.99	248	10436	3.843	ng	# 1

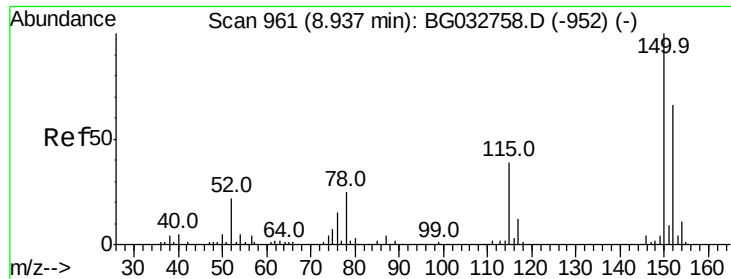
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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Quant Time: Mar 13 03:45:24 2018
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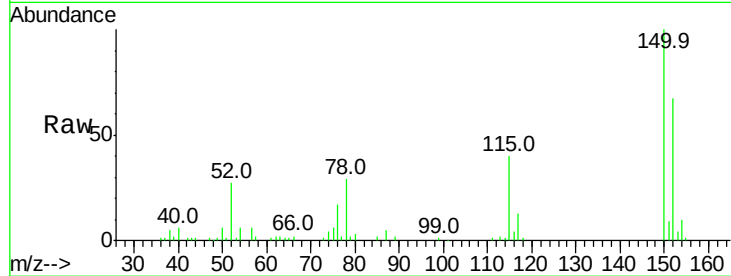


#1

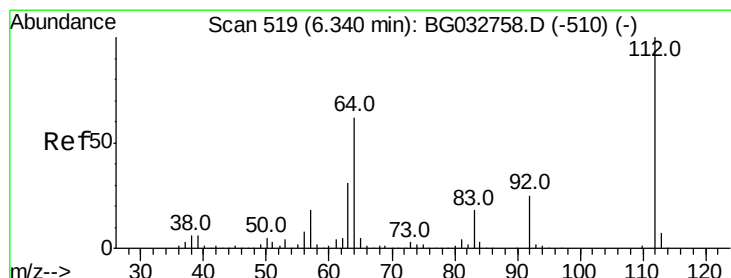
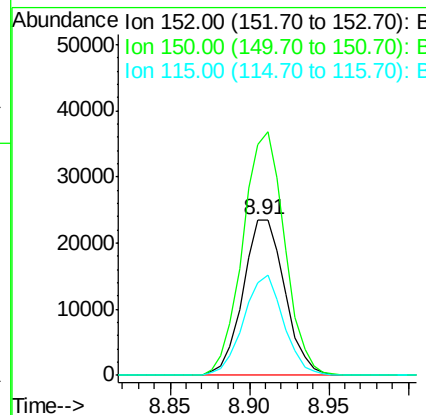
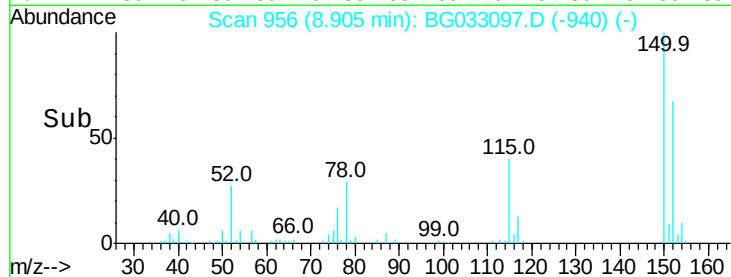
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.00 min
Lab File: BG033097.D
Acq: 12 Mar 2018 19:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 43127
Ion Ratio Lower Upper
152 100
150 148.3 126.6 189.8
115 59.5 53.0 79.4



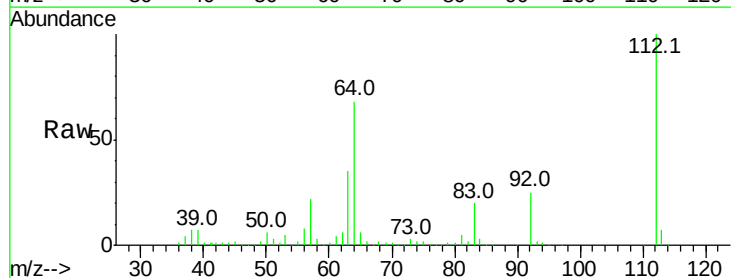
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



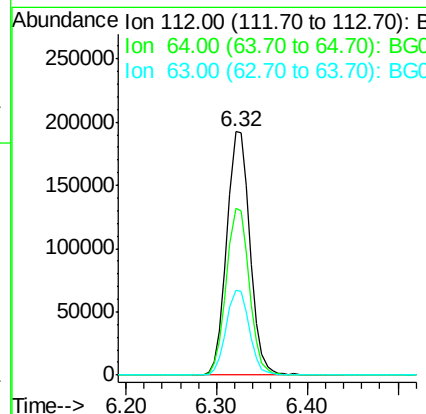
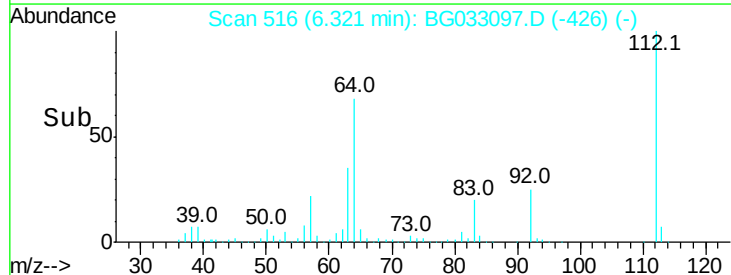
#5

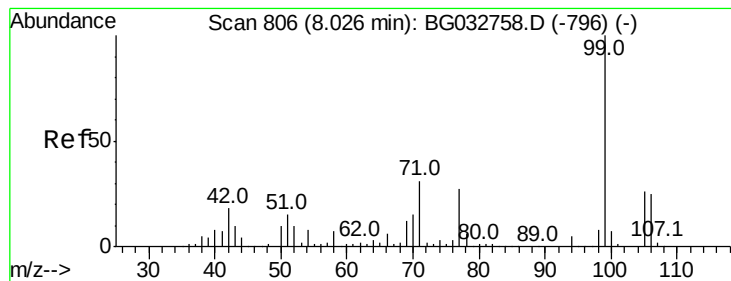
2-Fluorophenol
Concen: 126.727 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033097.D
Acq: 12 Mar 2018 19:57

Tgt Ion:112 Resp: 341616
Ion Ratio Lower Upper
112 100
64 68.4 56.3 84.5
63 34.8 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: 121.891 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

Instrument :

BNA_G

ClientSampleId :

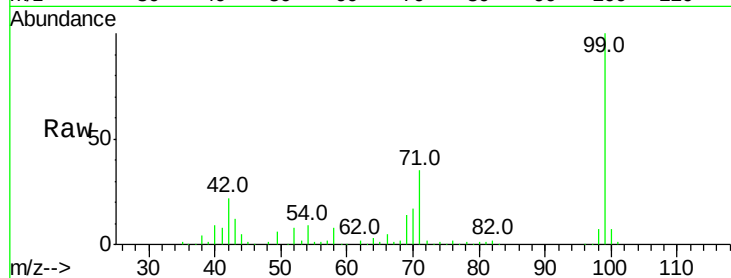
Tot Ion: 99 Resp: 457994

Ion Ratio Lower Upper

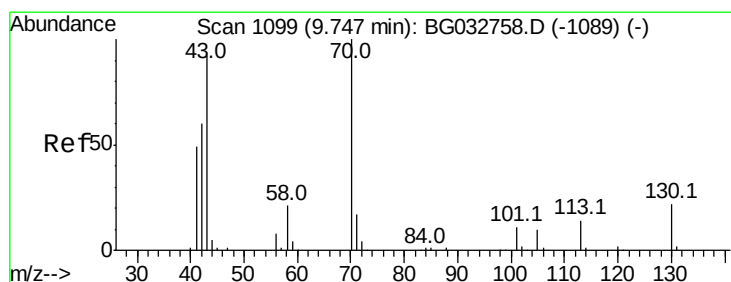
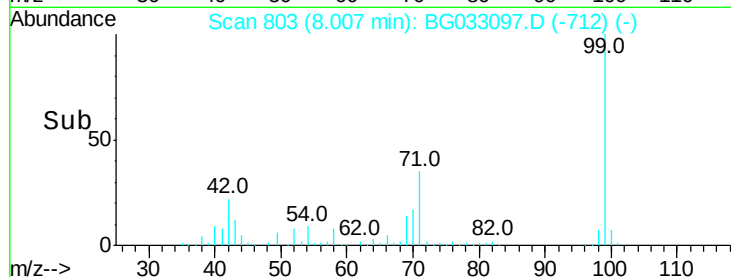
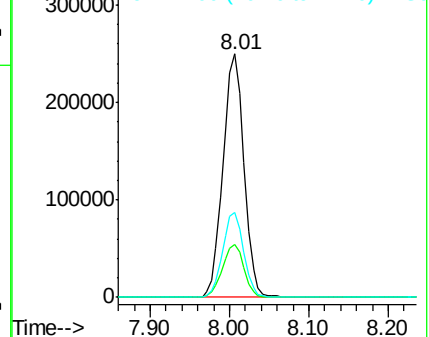
99 100

42 21.6 14.1 21.1#

71 34.7 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: 13.664 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.38 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

Tgt Ion: 70 Resp: 36245

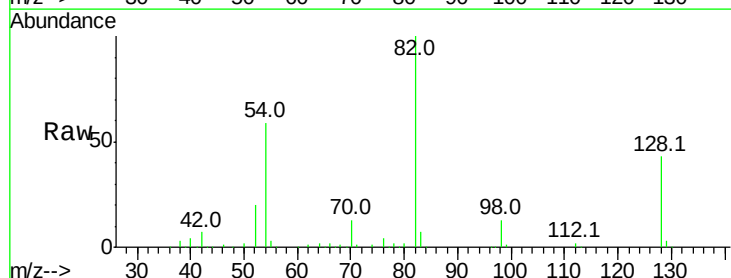
Ion Ratio Lower Upper

70 100

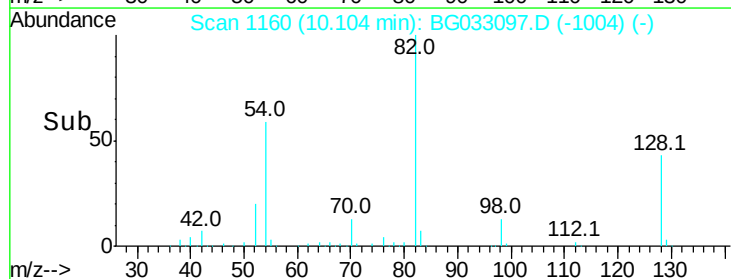
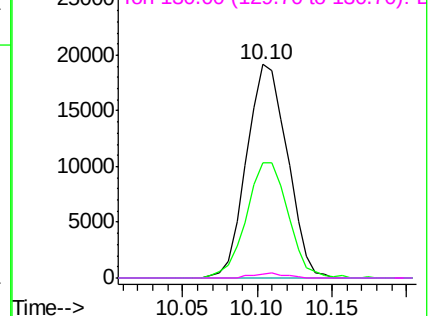
42 54.2 49.1 73.7

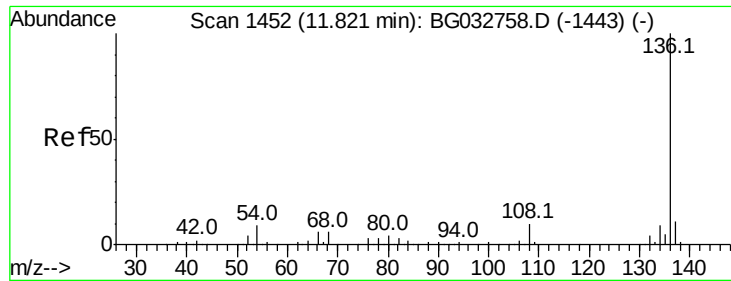
101 0.0 8.5 12.7#

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

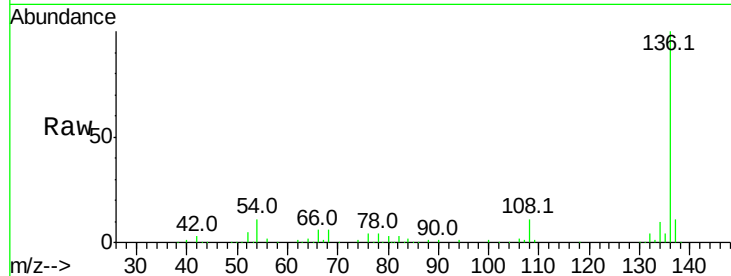




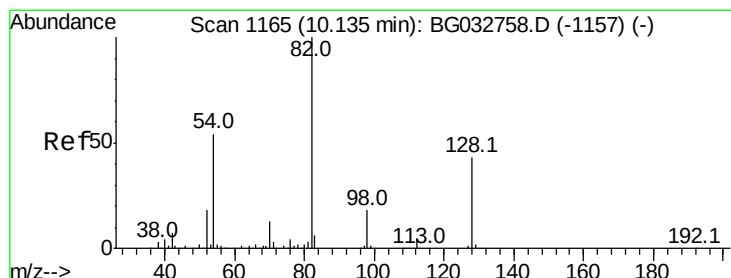
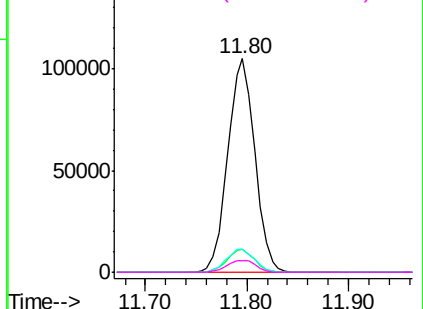
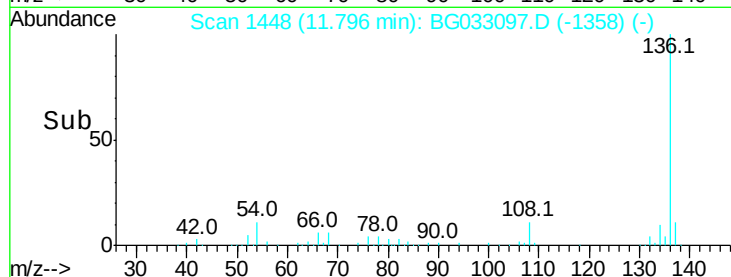
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033097.D
Acq: 12 Mar 2018 19:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	193239
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	10.7	10.3	15.5
68	5.7	4.5	6.7

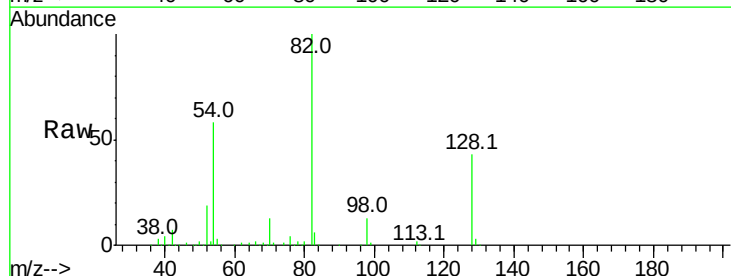


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

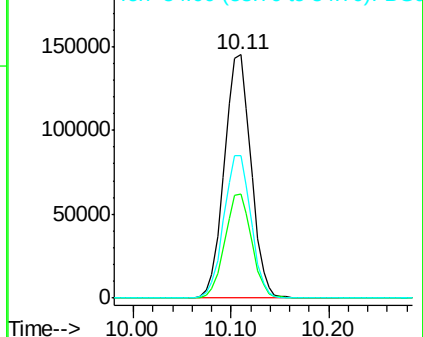
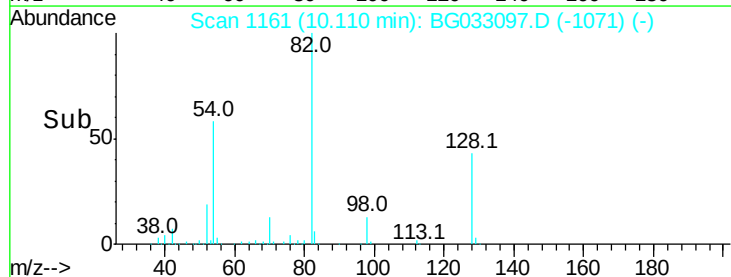


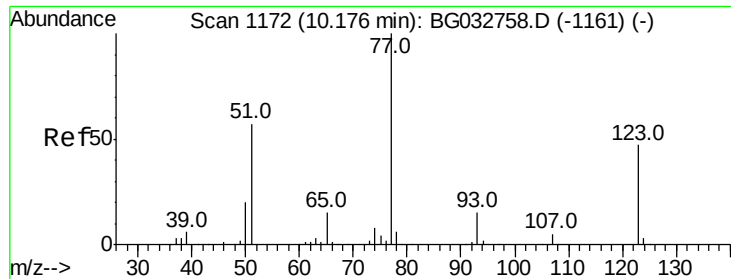
#23
Nitrobenzene-d5
Concen: 97.460 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033097.D
Acq: 12 Mar 2018 19:57

Tgt Ion:	82	Resp:	275970
Ion	Ratio	Lower	Upper
82	100		
128	42.8	29.7	44.5
54	58.3	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: 6.622 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

Instrument :

BNA_G

ClientSampled :

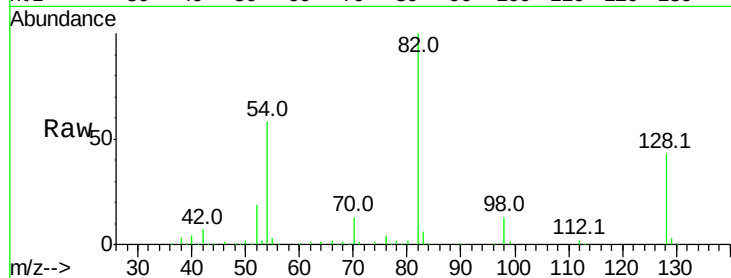
Tot Ion: 77 Resp: 859

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#

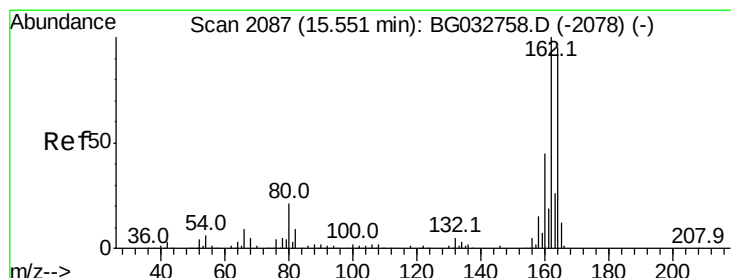
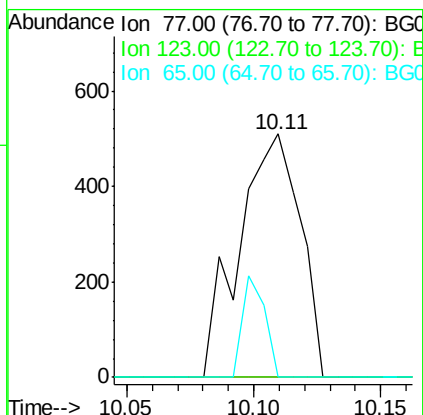
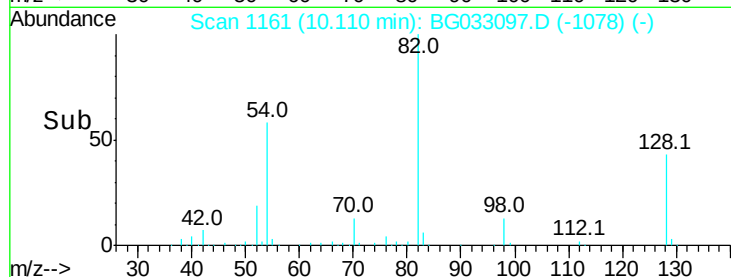


Abundance Ion 77.00 (76.70 to 77.70): BG033097.D (-1161) (-)

Ion 123.00 (122.70 to 123.70): BG033097.D (-1161) (-)

Ion 65.00 (64.70 to 65.70): BG033097.D (-1161) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

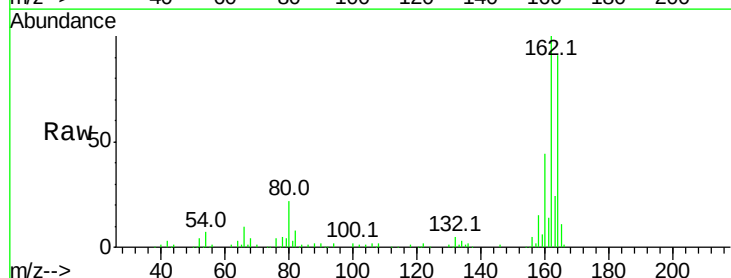
Tgt Ion:164 Resp: 111180

Ion Ratio Lower Upper

164 100

162 109.9 78.8 118.2

160 48.2 35.4 53.0

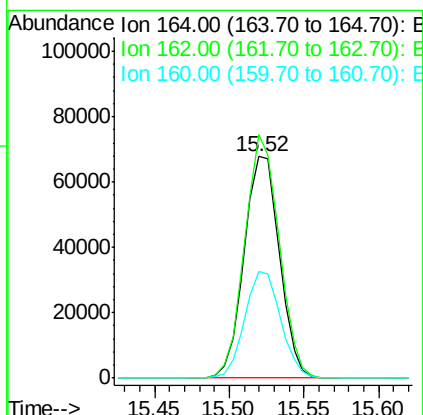
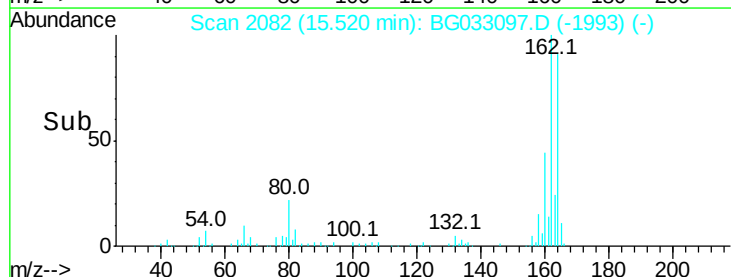


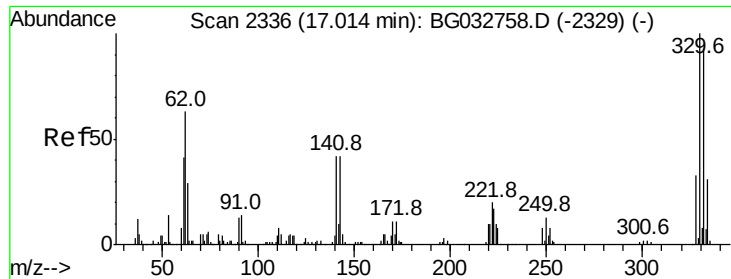
Abundance Ion 164.00 (163.70 to 164.70): BG033097.D (-1993) (-)

Ion 162.00 (161.70 to 162.70): BG033097.D (-1993) (-)

Ion 160.00 (159.70 to 160.70): BG033097.D (-1993) (-)

Time-->

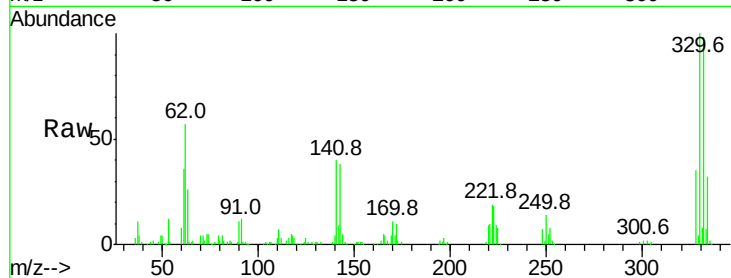




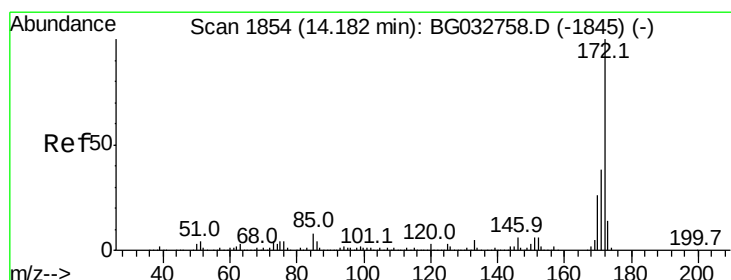
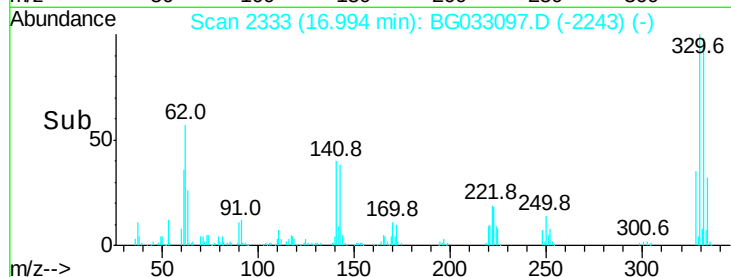
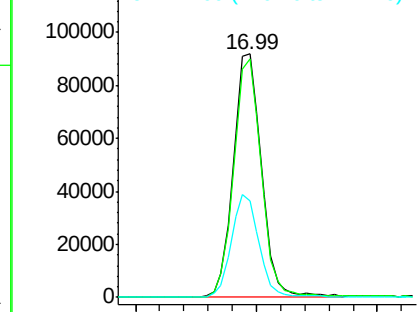
#41
 2,4,6-Tribromophenol
 Concen: 128.135 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033097.D
 Acq: 12 Mar 2018 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 149792
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 41.5 25.2 37.8#

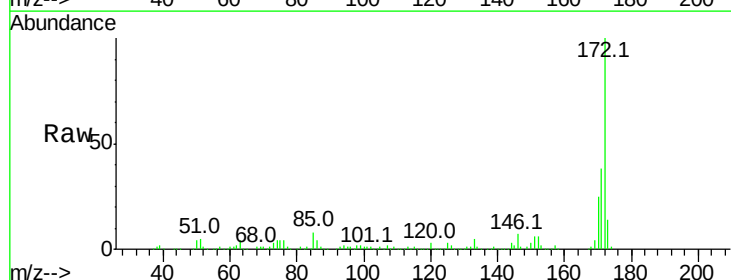


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

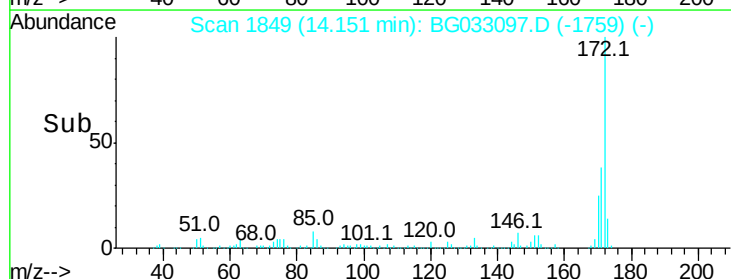
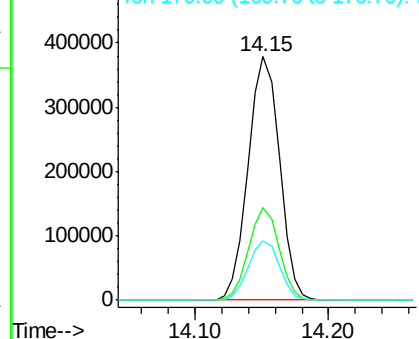


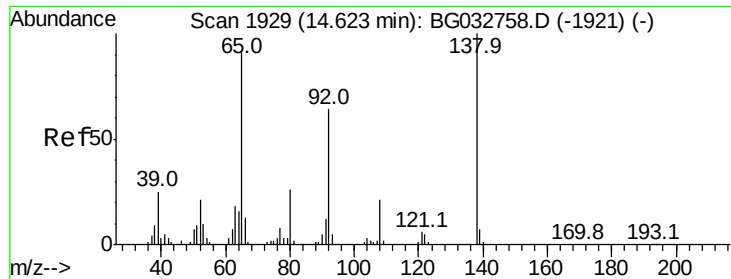
#44
 2-Fluorobiphenyl
 Concen: 79.570 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033097.D
 Acq: 12 Mar 2018 19:57

Tgt Ion:172 Resp: 613385
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 24.6 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: 10.317 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.44 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

Instrument :

BNA_G

ClientSampleId :

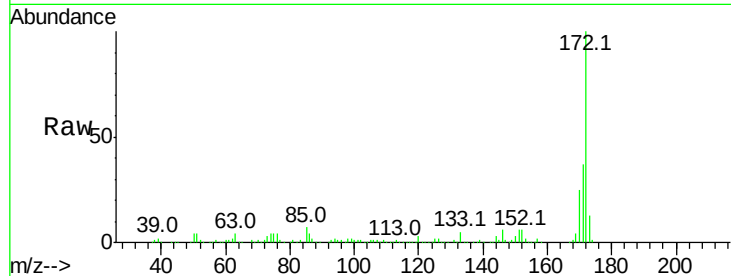
Tot Ion: 65 Resp: 1109

Ion Ratio Lower Upper

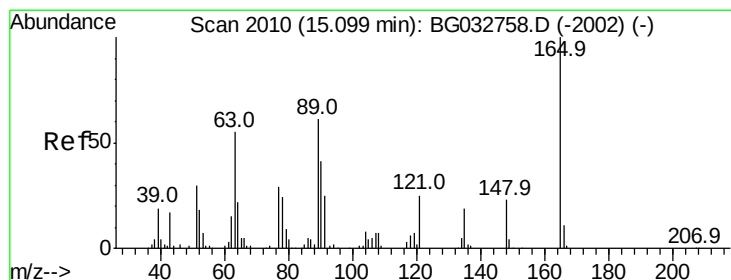
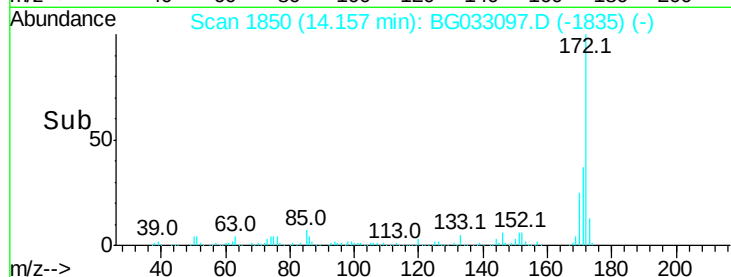
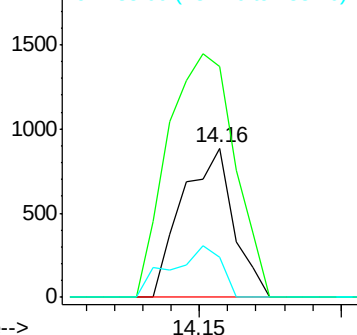
65 100

92 154.5 54.6 82.0#

138 26.8 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: 16.193 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.44 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

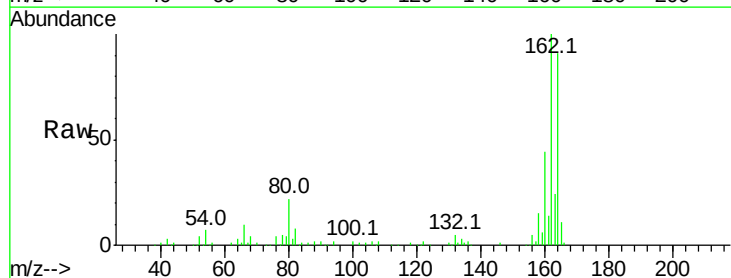
Tgt Ion:165 Resp: 13992

Ion Ratio Lower Upper

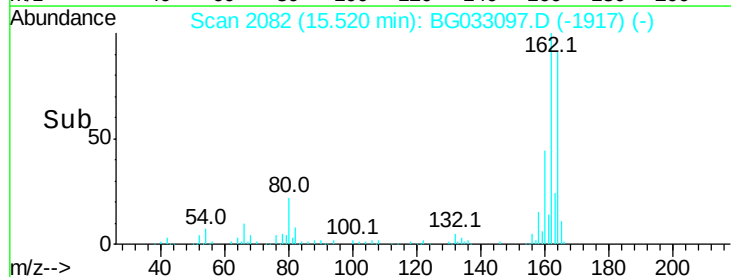
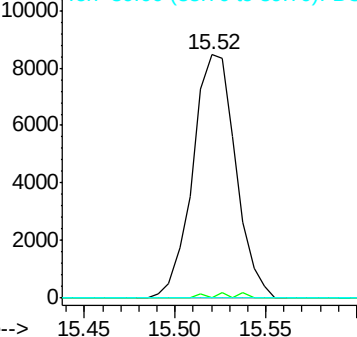
165 100

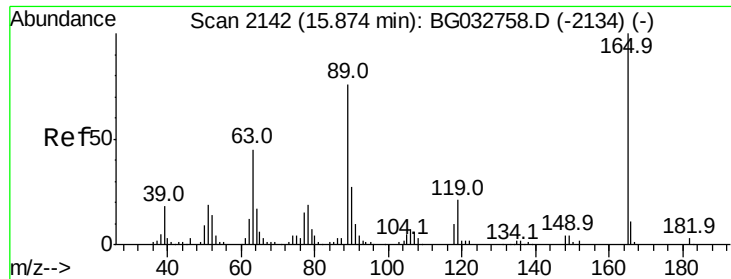
63 0.0 52.7 79.1#

89 0.0 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

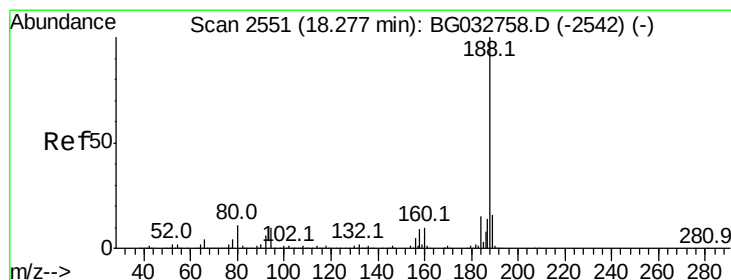
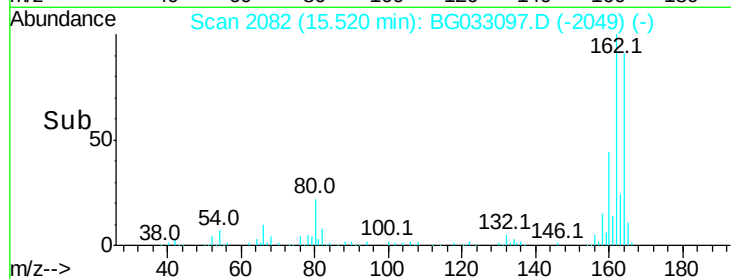
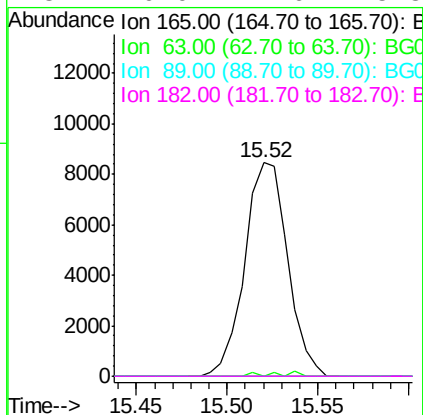
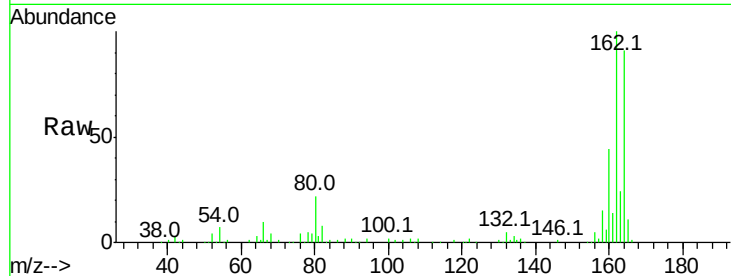




#56
 2,4-Dinitrotoluene
 Concen: 14.389 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.34 min
 Lab File: BG033097.D
 Acq: 12 Mar 2018 19:57

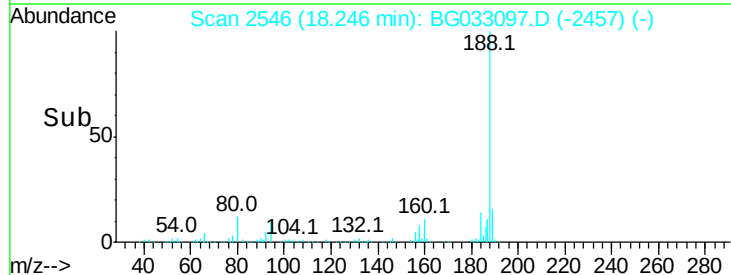
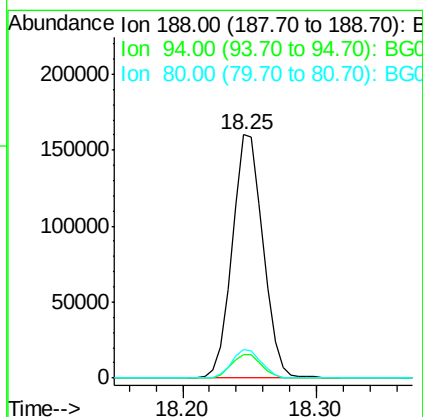
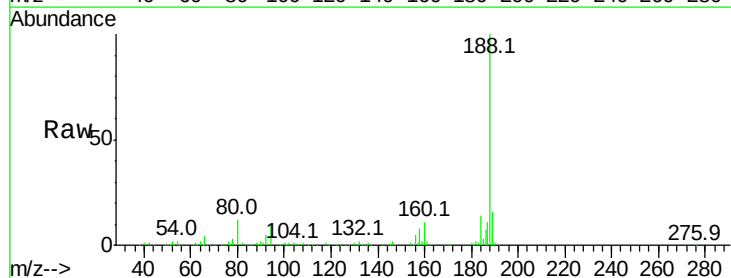
Instrument :
 BNA_G
 ClientSampleId :

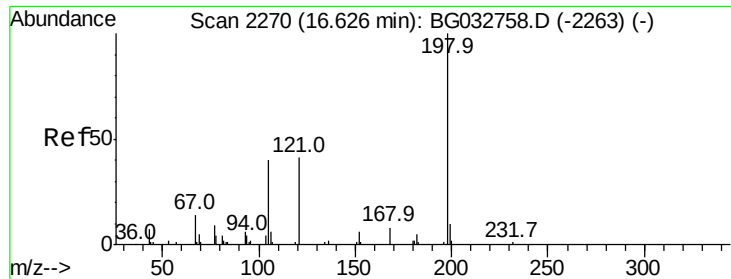
Tot Ion:	165	Resp:	13992
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BG033097.D
 Acq: 12 Mar 2018 19:57

Tgt Ion:	188	Resp:	256813
Ion	Ratio	Lower	Upper
188	100		
94	9.9	6.9	10.3
80	11.8	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.165 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.37 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

Instrument :

BNA_G

ClientSampleId :

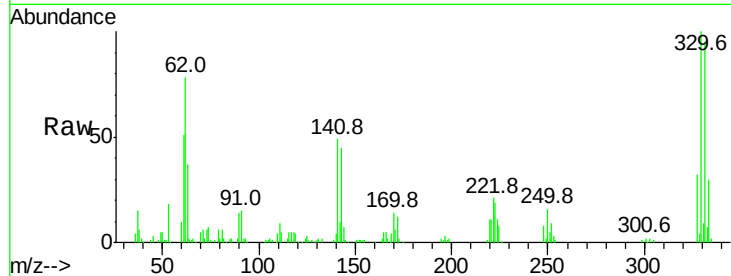
Tot Ion:198 Resp: 131

Ion Ratio Lower Upper

198 100

51 100.5 30.6 70.6#

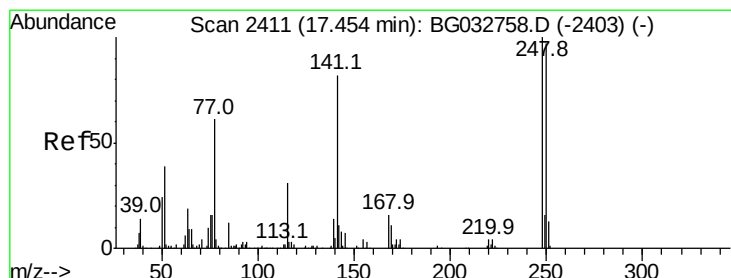
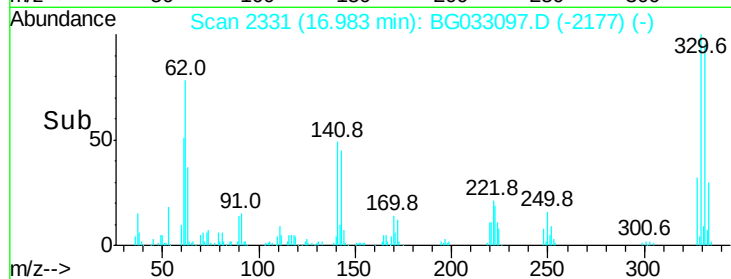
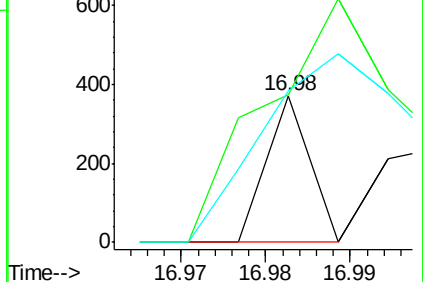
105 103.8 23.8 63.8#



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: 3.843 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

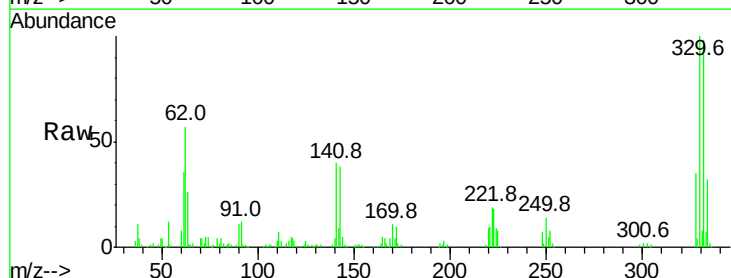
Tgt Ion:248 Resp: 10436

Ion Ratio Lower Upper

248 100

250 195.2 77.1 115.7#

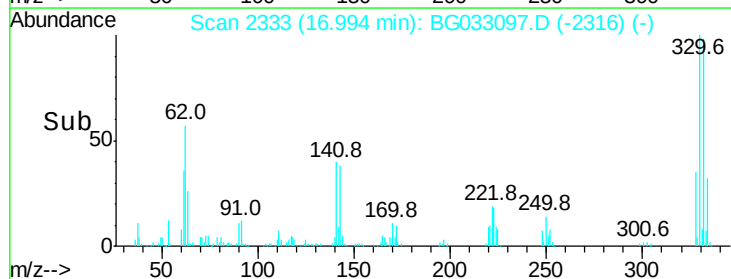
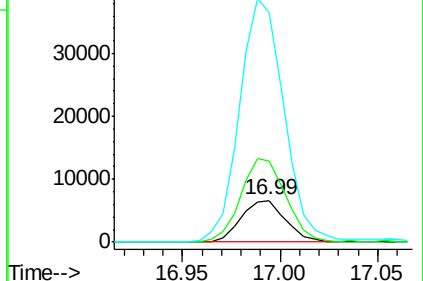
141 550.3 50.8 76.2#

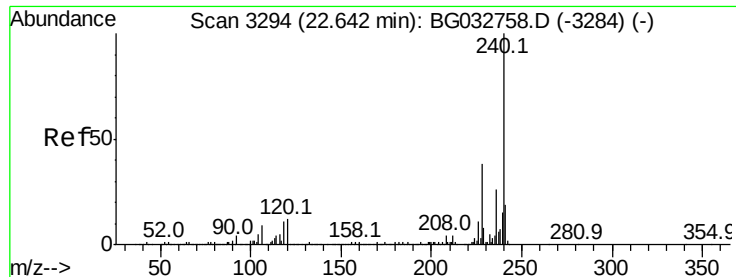


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG033097.D

Acq: 12 Mar 2018 19:57

Instrument :

BNA_G

ClientSampleId :

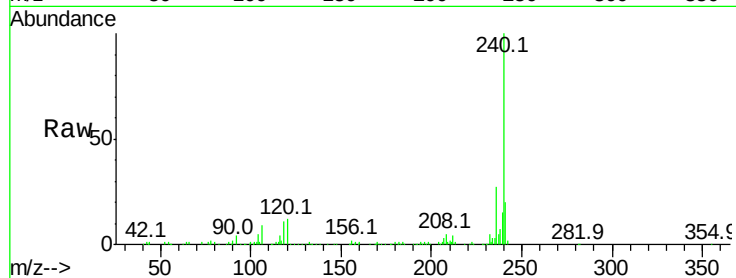
Tot Ion:240 Resp: 249180

Ion Ratio Lower Upper

240 100

120 11.9 6.8 10.2#

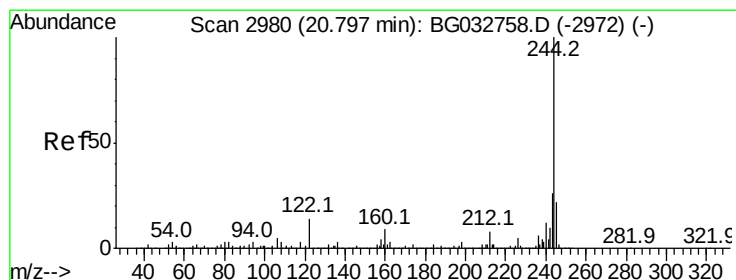
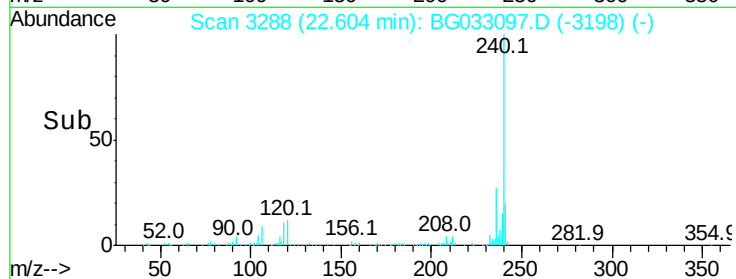
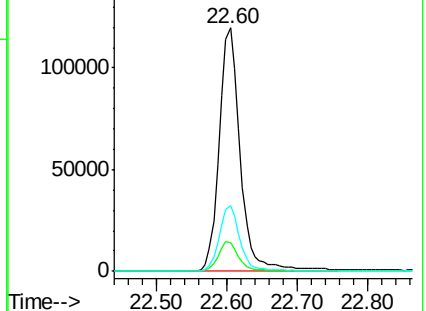
236 27.0 20.9 31.3



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



#78

Terphenyl-d14

Concen: 86.089 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033097.D

Acq: 12 Mar 2018 19:57

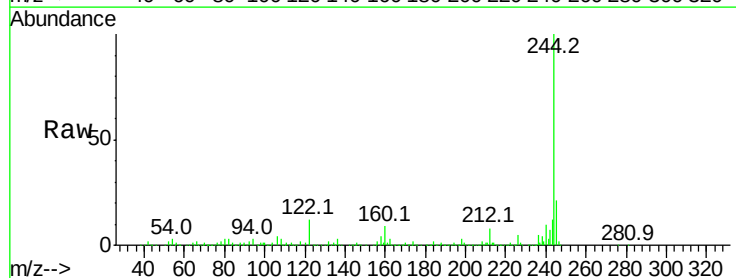
Tgt Ion:244 Resp: 954796

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

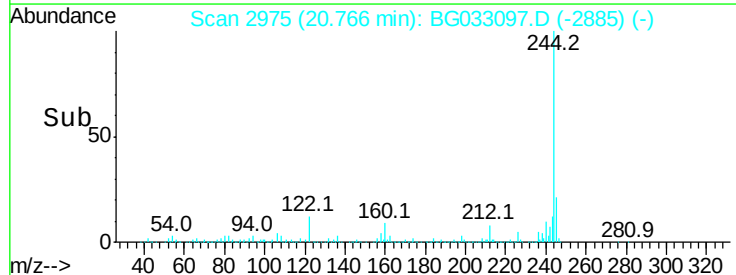
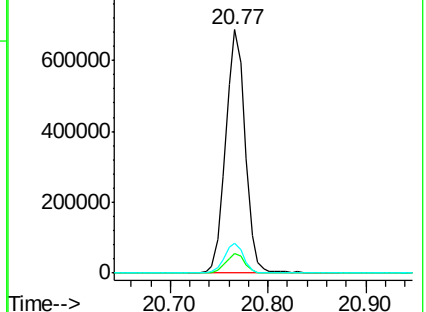
122 12.3 7.0 10.4#

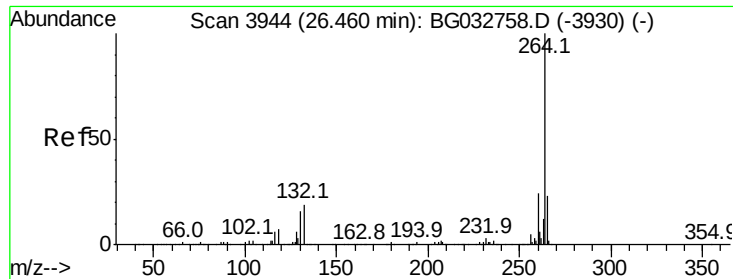


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

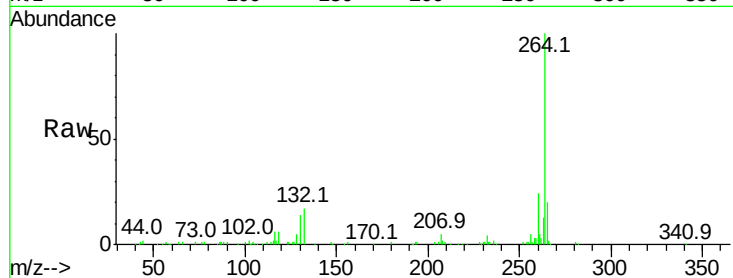




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3934
 Delta R.T. -0.01 min
 Lab File: BG033097.D
 Acq: 12 Mar 2018 19:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	20.5	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

