

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033051.D
 Acq On : 8 Mar 2018 21:39
 Operator : SJ/JU
 Sample : PB107143BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 01:31:06 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

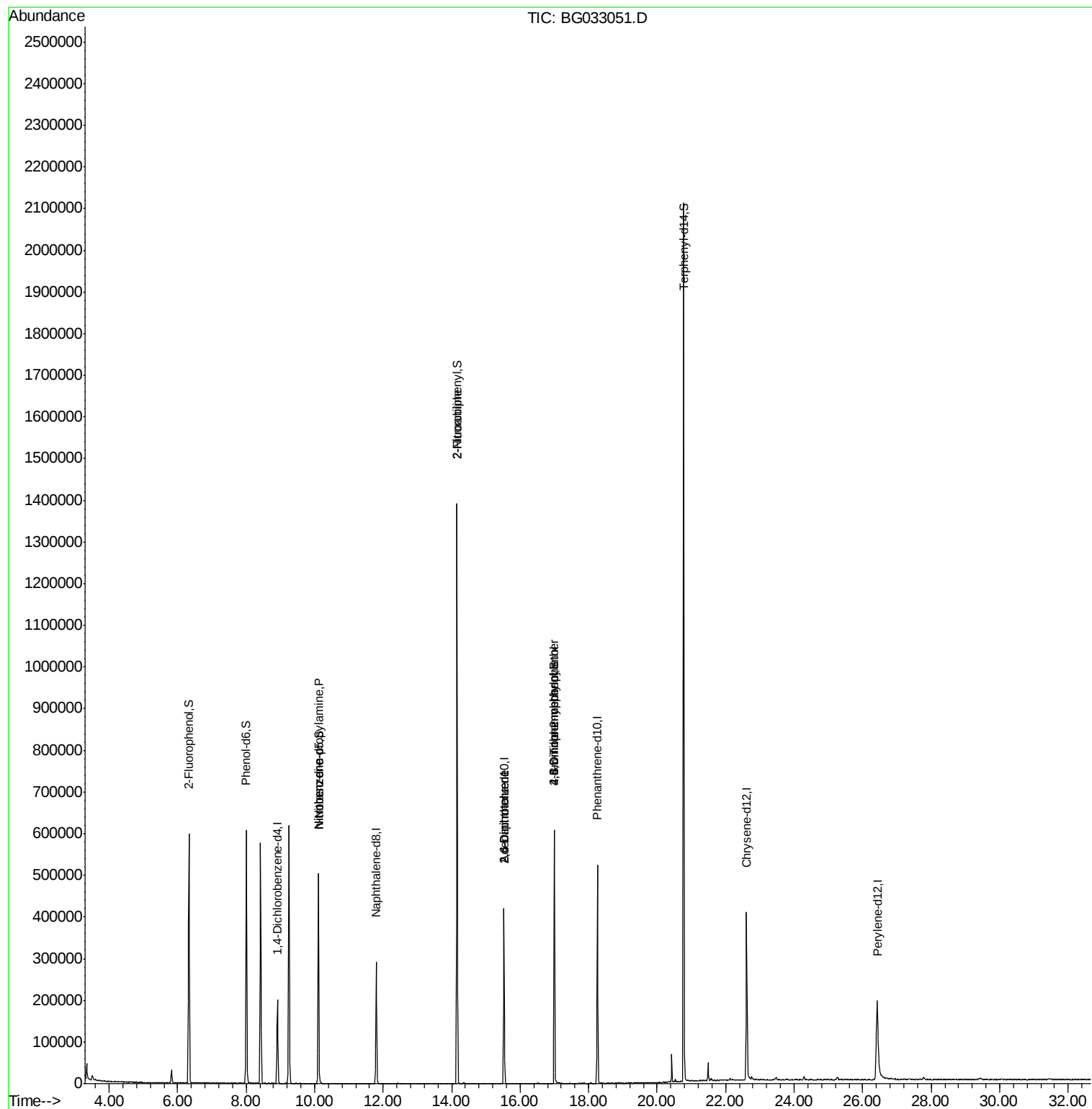
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	58939	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	256614	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	144759	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	320610	20.00	ng	0.00
75) Chrysene-d12	22.62	240	297531	20.00	ng	0.00
86) Perylene-d12	26.42	264	282292	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	276574	75.07	ng	0.00
7) Phenol-d6	8.01	99	368442	71.75	ng	0.00
23) Nitrobenzene-d5	10.11	82	319730	86.29	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	107094	70.36	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	704235	70.16	ng	0.00
78) Terphenyl-d14	20.77	244	944536	71.32	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	40952	11.297	ng	# 81
24) Nitrobenzene	10.10	77	969	6.586	ng	# 42
47) 2-Nitroaniline	14.16	65	1324	10.277	ng	# 11
50) 2,6-Dinitrotoluene	15.53	165	18241	16.202	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	18241	14.399	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	364	5.432	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	7628	2.250	ng	# 1

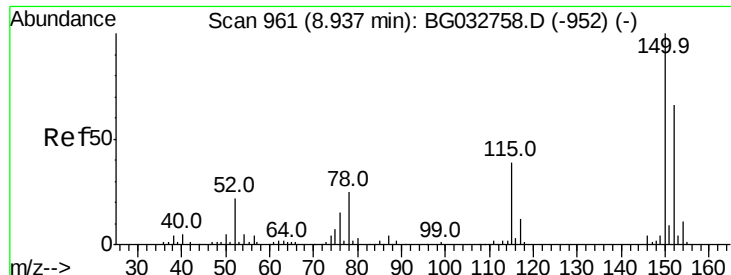
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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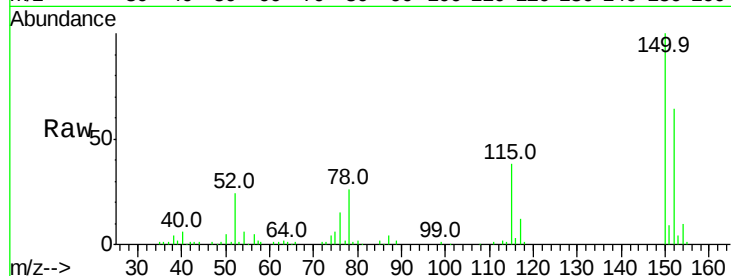


#1

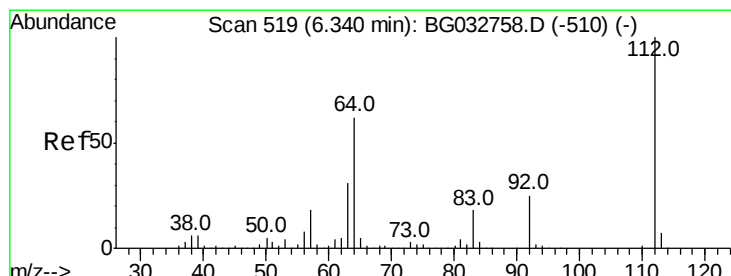
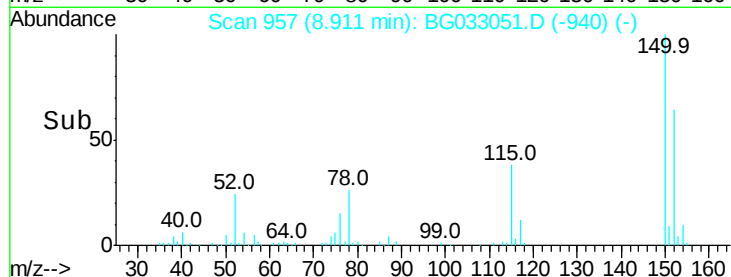
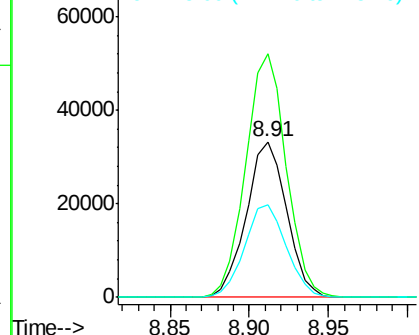
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58939
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 59.9 53.0 79.4



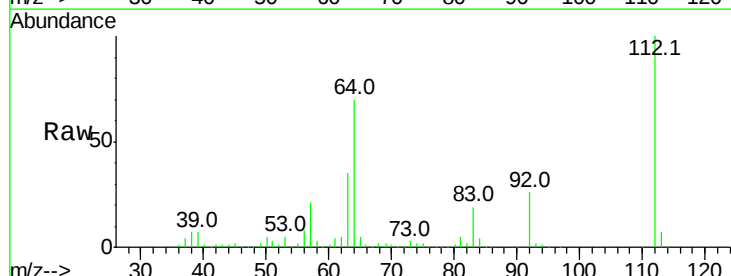
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



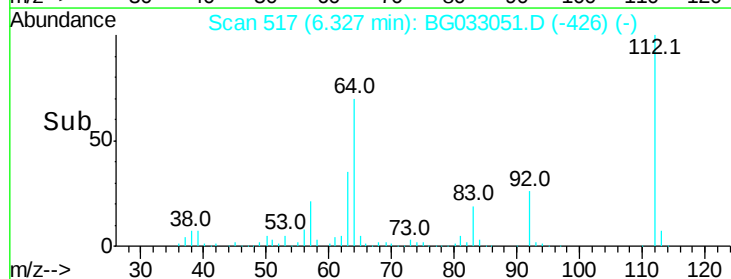
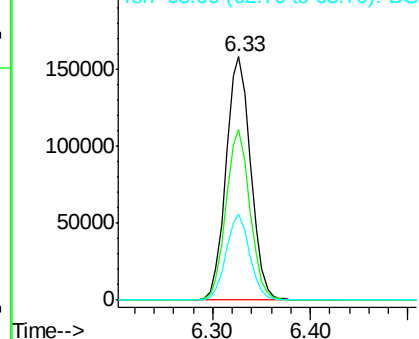
#5

2-Fluorophenol
Concen: 75.074 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Tgt Ion:112 Resp: 276574
Ion Ratio Lower Upper
112 100
64 70.1 56.3 84.5
63 35.4 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: 71.751 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033051.D

Acq: 8 Mar 2018 21:39

Instrument :

BNA_G

ClientSampleId :

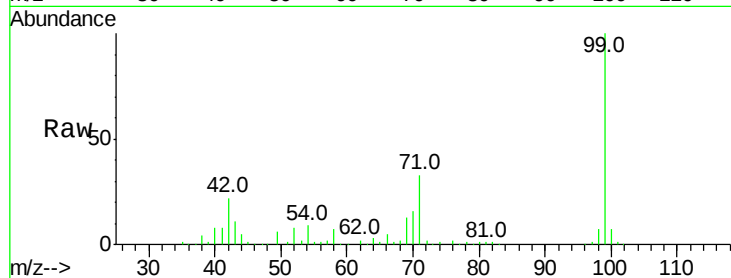
Tot Ion: 99 Resp: 368442

Ion Ratio Lower Upper

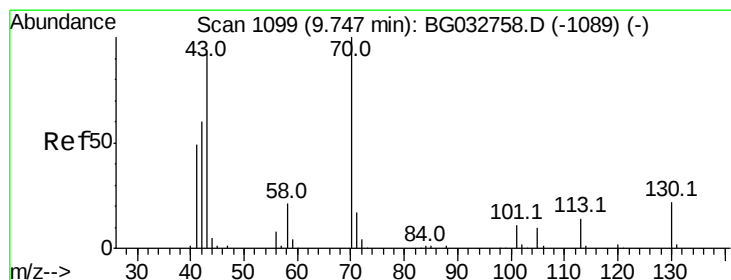
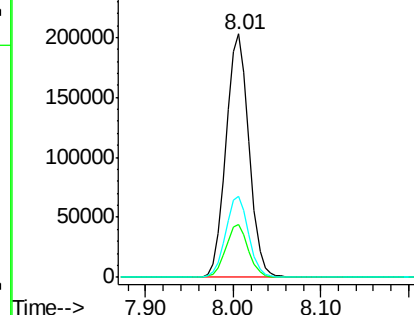
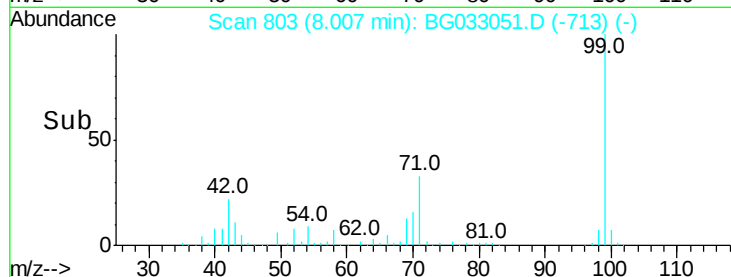
99 100

42 21.8 14.1 21.1#

71 33.3 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: 11.297 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033051.D

Acq: 8 Mar 2018 21:39

Tgt Ion: 70 Resp: 40952

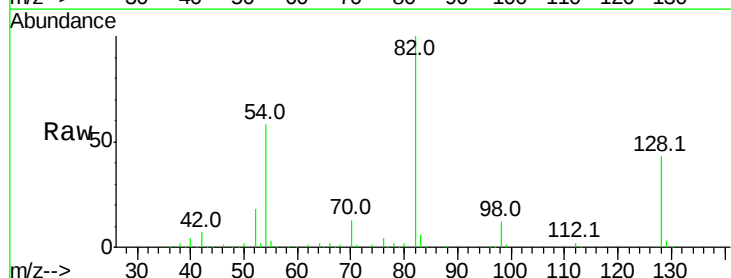
Ion Ratio Lower Upper

70 100

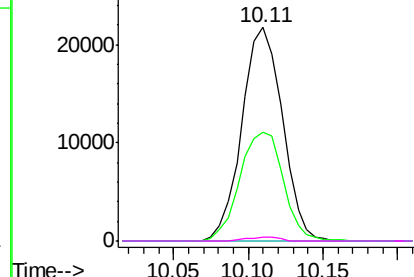
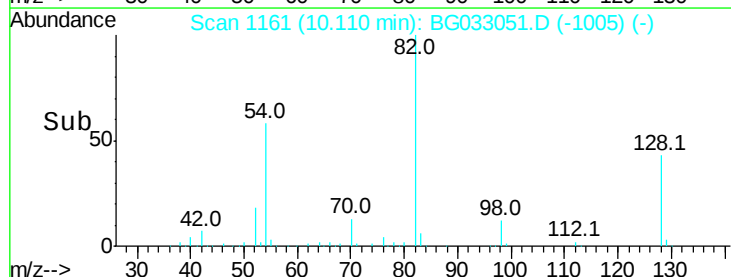
42 50.9 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 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

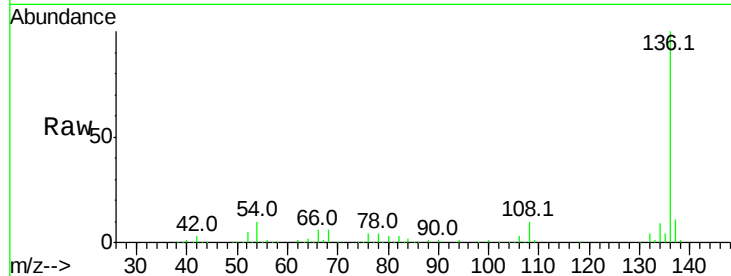




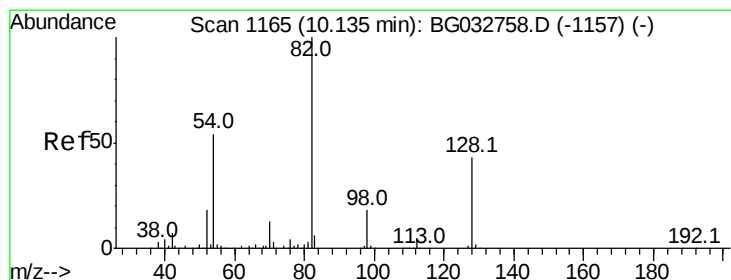
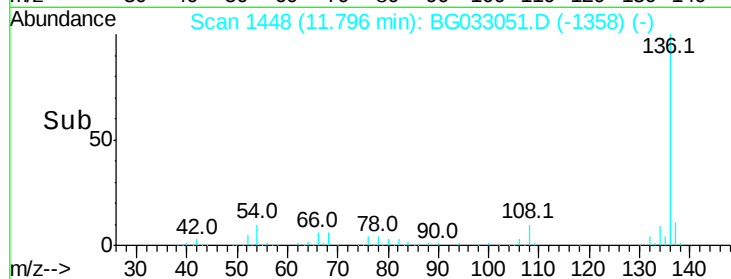
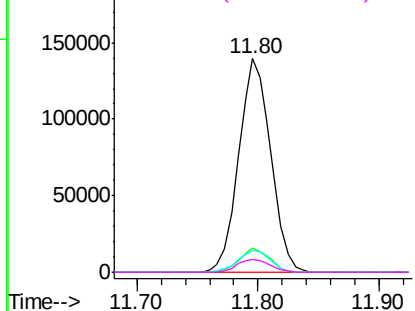
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 256614
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 10.3 10.3 15.5#
68 6.3 4.5 6.7

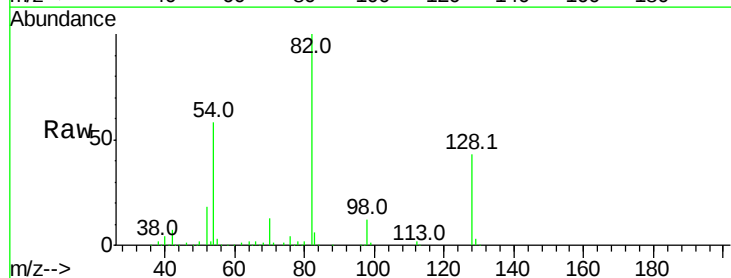


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

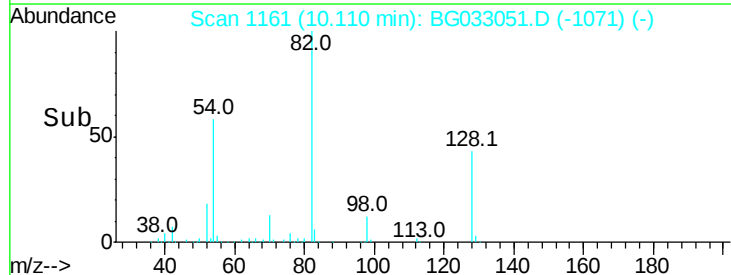
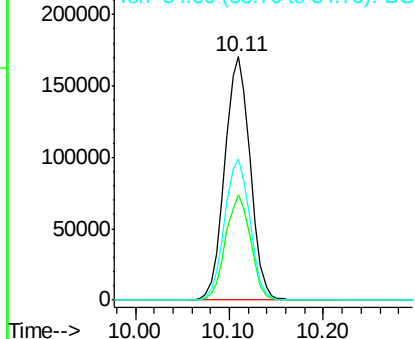


#23
Nitrobenzene-d5
Concen: 86.293 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Tgt Ion: 82 Resp: 319730
Ion Ratio Lower Upper
82 100
128 43.3 29.7 44.5
54 57.9 43.1 64.7



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

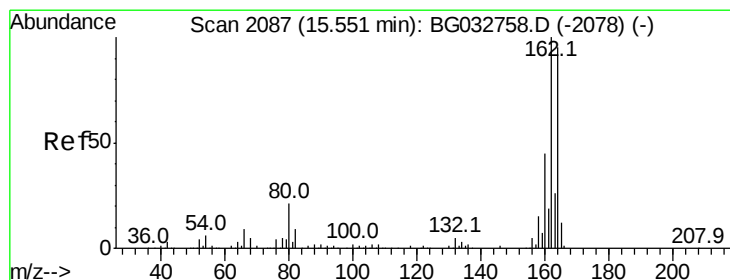
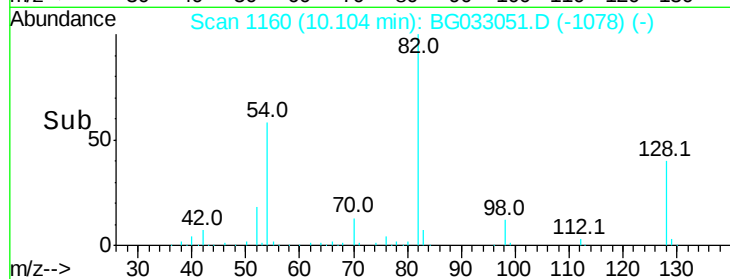
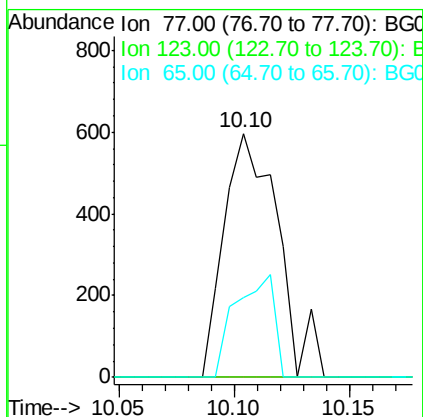
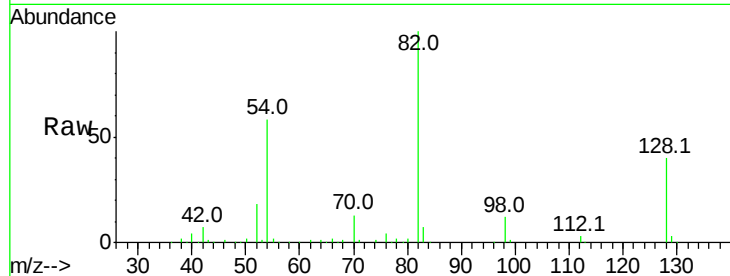




#24
 Nitrobenzene
 Concen: 6.586 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. -0.05 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

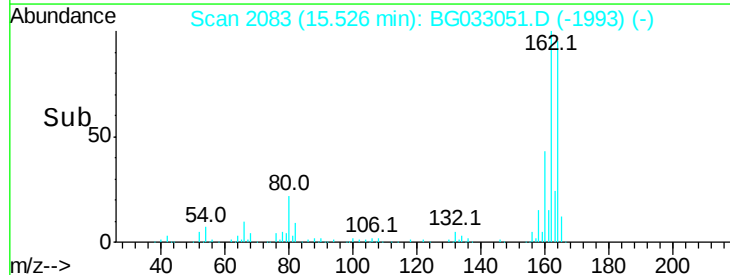
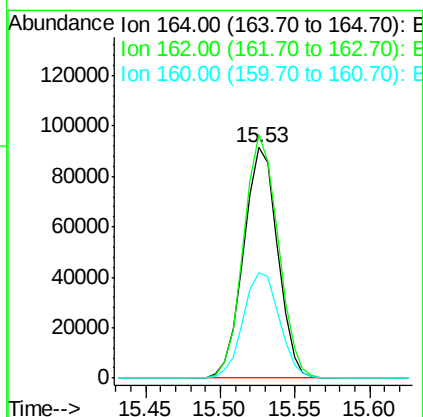
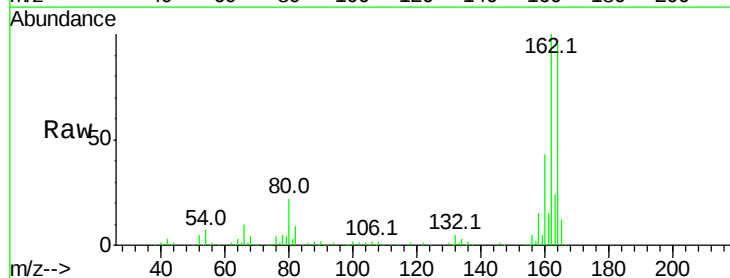
Instrument :
 BNA_G
 ClientSampleId :

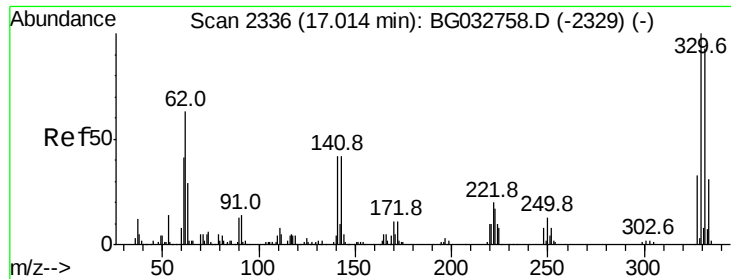
Tot Ion: 77 Resp: 969
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 32.7 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.00 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

Tgt Ion:164 Resp: 144759
 Ion Ratio Lower Upper
 164 100
 162 105.6 78.8 118.2
 160 45.7 35.4 53.0

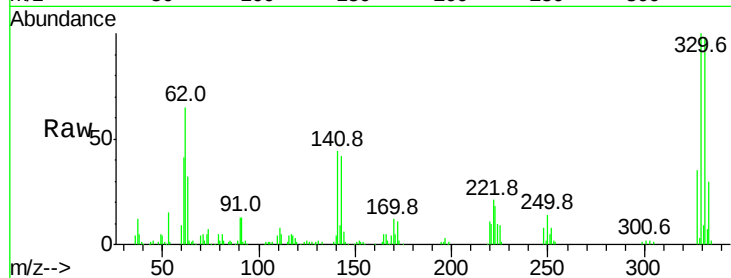




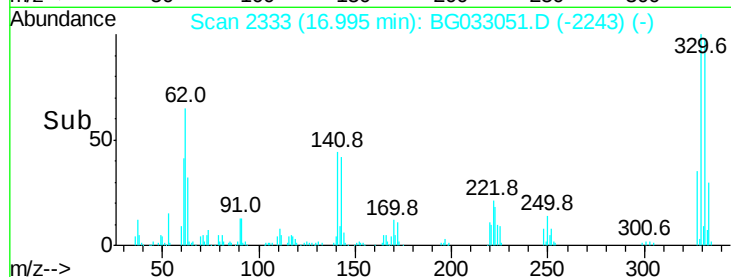
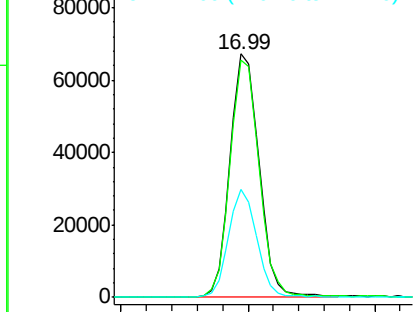
#41
 2,4,6-Tribromophenol
 Concen: 70.360 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 107094
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 43.3 25.2 37.8#

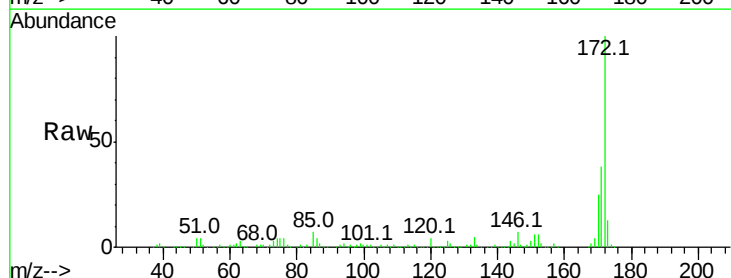


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

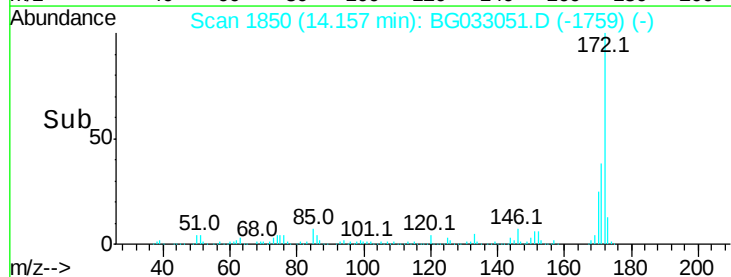
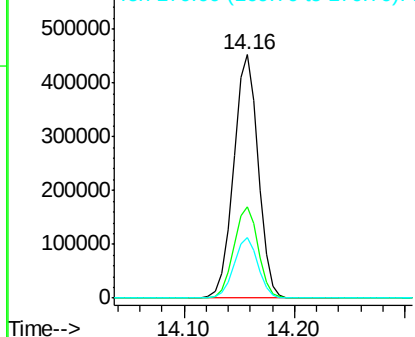


#44
 2-Fluorobiphenyl
 Concen: 70.164 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

Tgt Ion:172 Resp: 704235
 Ion Ratio Lower Upper
 172 100
 171 37.6 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

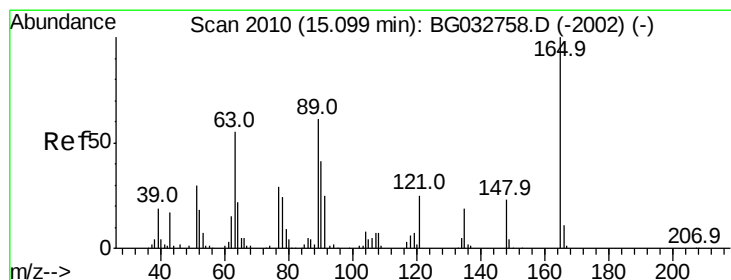
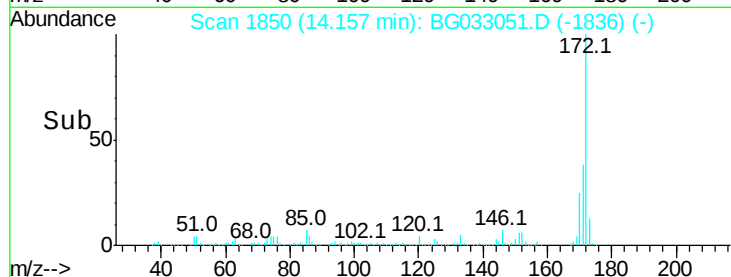
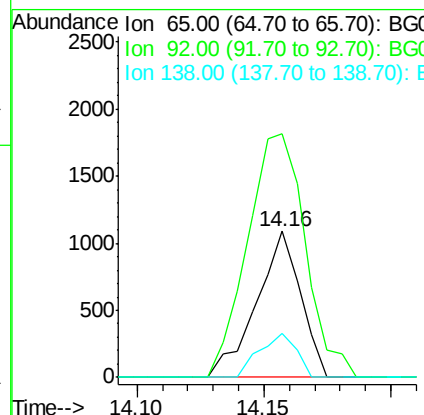
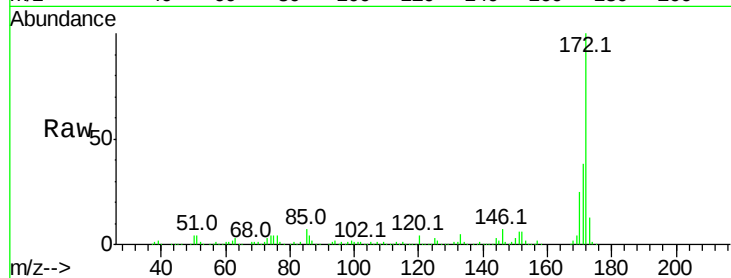




#47
2-Nitroaniline
Concen: 10.277 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

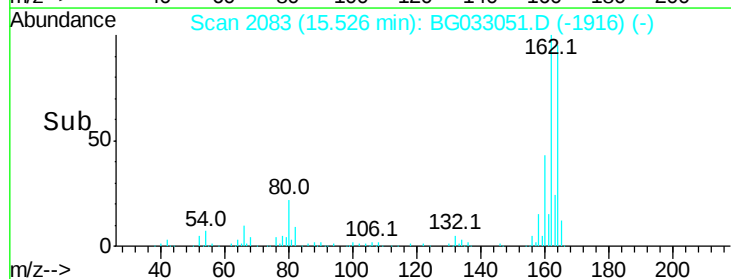
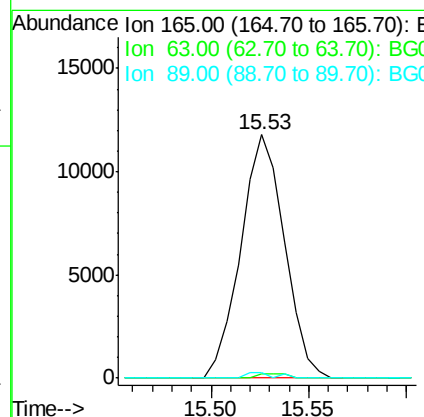
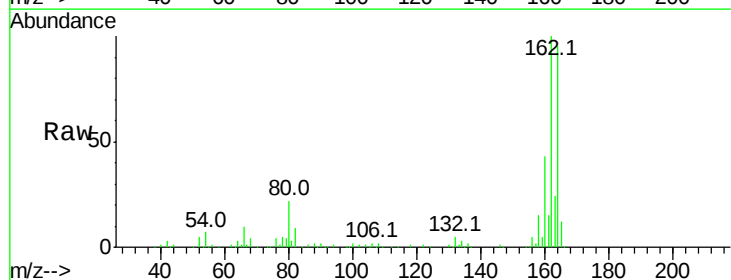
Instrument :
BNA_G
ClientSampleId :

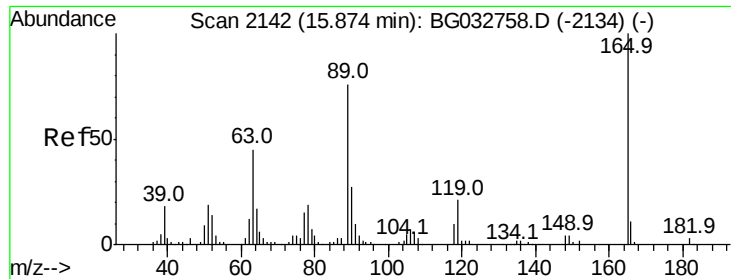
Tot Ion: 65 Resp: 1324
Ion Ratio Lower Upper
65 100
92 166.9 54.6 82.0#
138 30.1 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.202 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Tgt Ion:165 Resp: 18241
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 2.2 49.2 73.8#

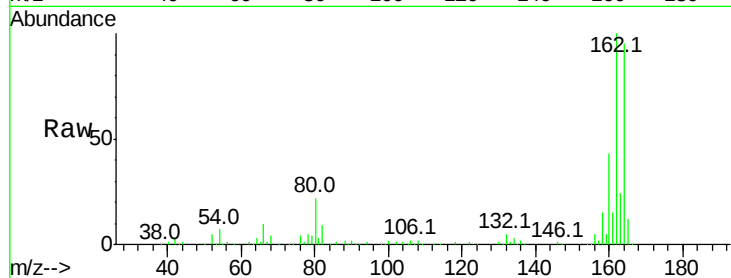




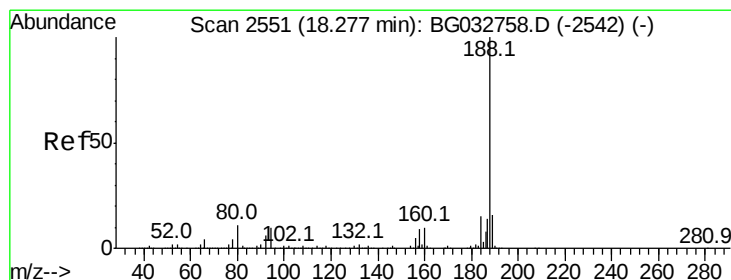
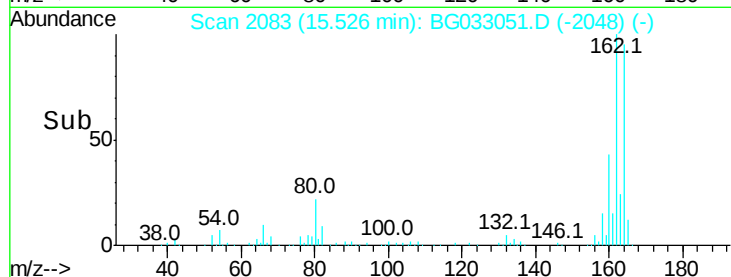
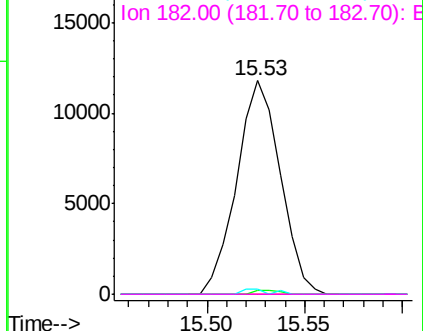
#56
2,4-Dinitrotoluene
Concen: 14.399 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.32 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 18241
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#

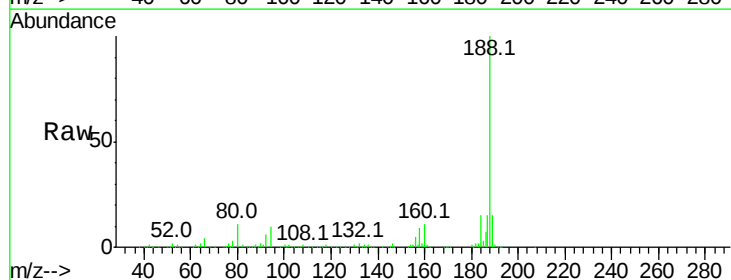


Abundance Ion 165.00 (164.70 to 165.70): E

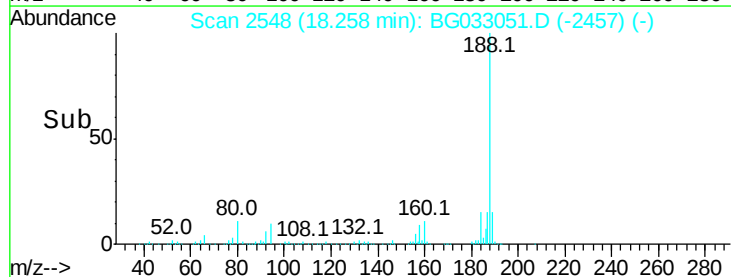
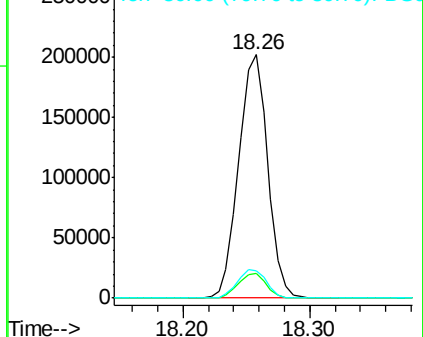


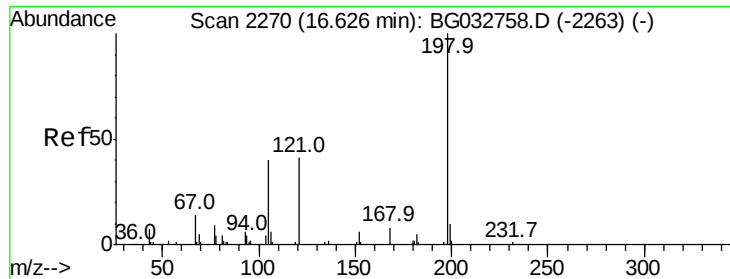
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Tgt Ion:188 Resp: 320610
Ion Ratio Lower Upper
188 100
94 10.1 6.9 10.3
80 11.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

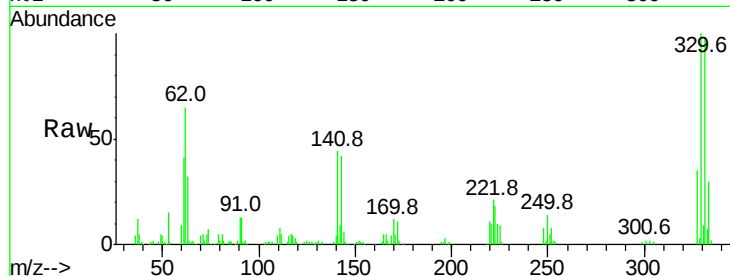




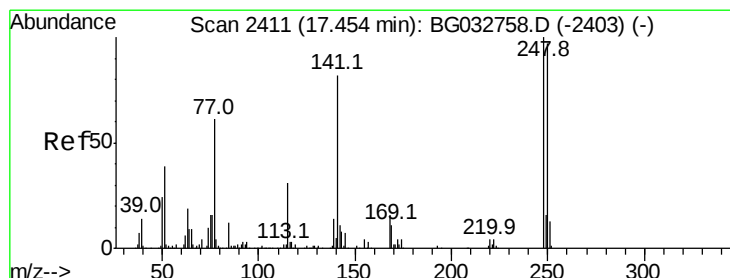
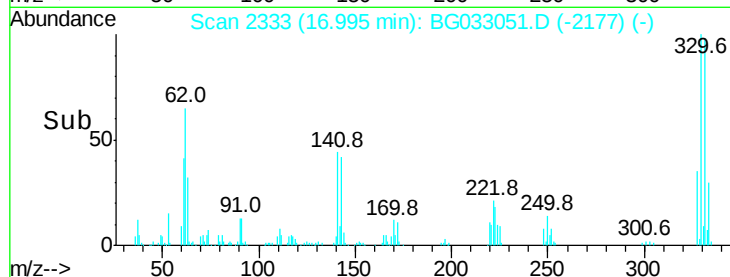
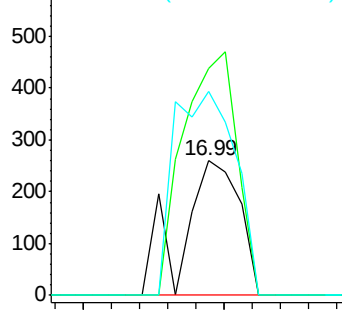
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.432 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.39 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 364
 Ion Ratio Lower Upper
 198 100
 51 168.8 30.6 70.6#
 105 151.2 23.8 63.8#

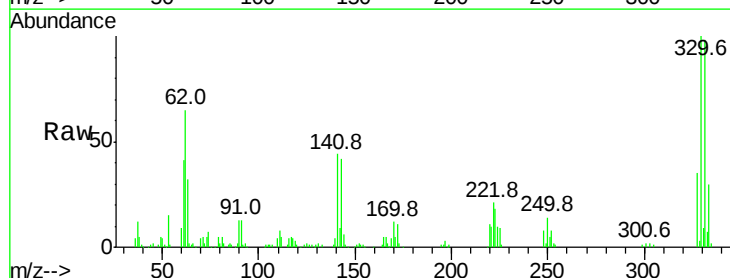


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

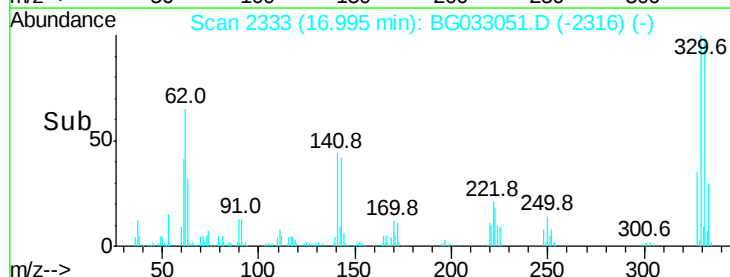
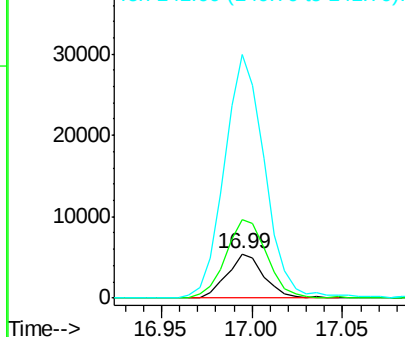


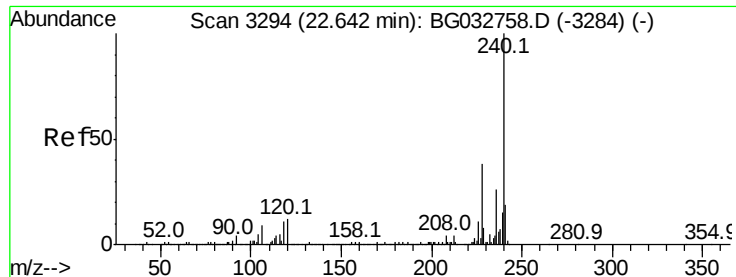
#66
 4-Bromophenyl-phenylether
 Concen: 2.250 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033051.D
 Acq: 8 Mar 2018 21:39

Tgt Ion:248 Resp: 7628
 Ion Ratio Lower Upper
 248 100
 250 176.8 77.1 115.7#
 141 552.8 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: 22.62 min Scan# 3290

Delta R.T. 0.00 min

Lab File: BG033051.D

Acq: 8 Mar 2018 21:39

Instrument :

BNA_G

ClientSampleId :

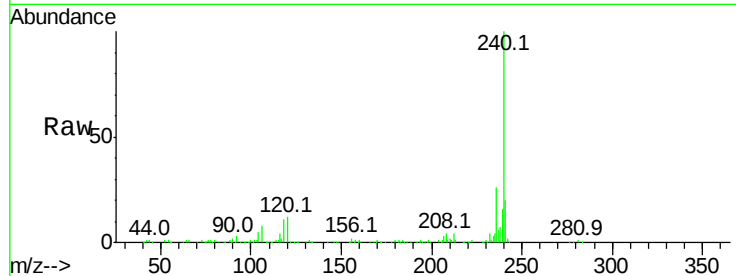
Tot Ion:240 Resp: 297531

Ion Ratio Lower Upper

240 100

120 11.7 6.8 10.2#

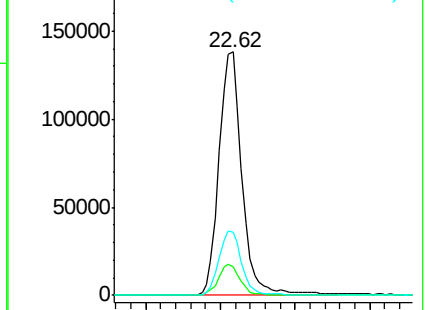
236 26.1 20.9 31.3



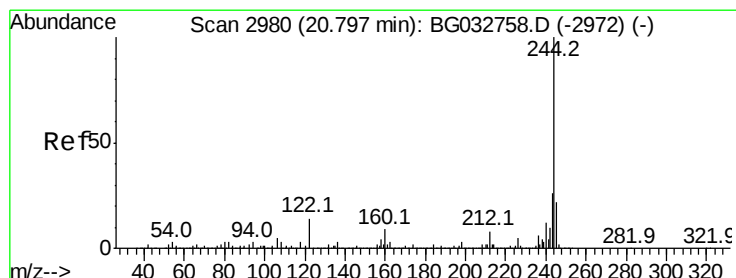
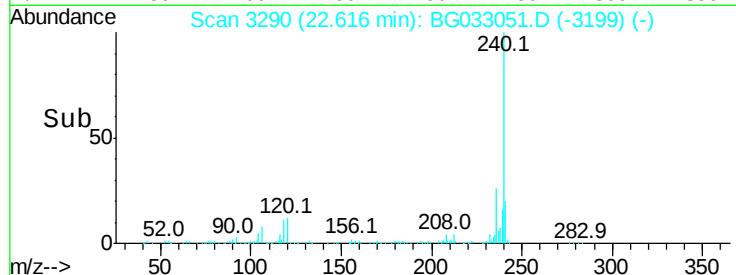
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 71.324 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033051.D

Acq: 8 Mar 2018 21:39

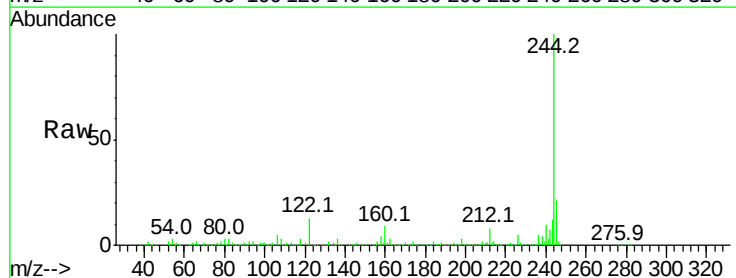
Tgt Ion:244 Resp: 944536

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

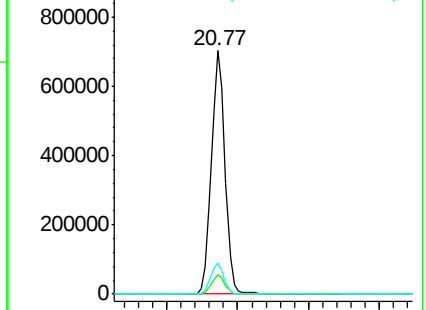
122 12.9 7.0 10.4#



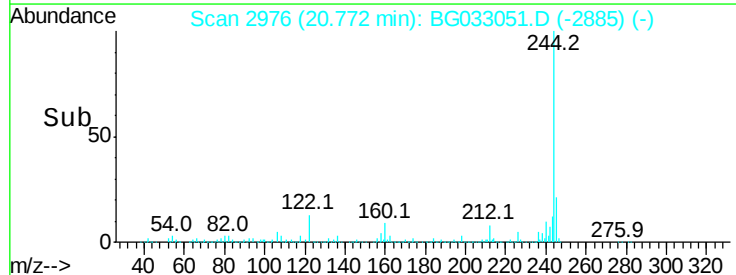
Abundance Ion 244.00 (243.70 to 244.70): E

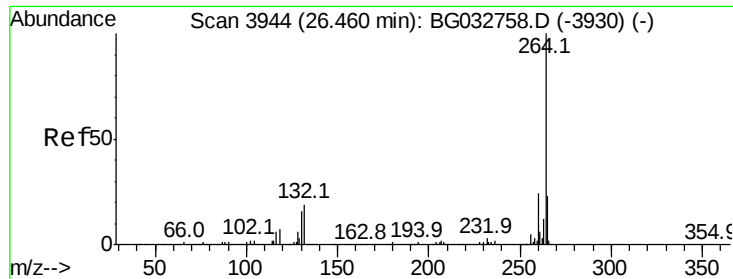
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3938
Delta R.T. 0.02 min
Lab File: BG033051.D
Acq: 8 Mar 2018 21:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.4	17.7	26.5

