

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031218\
 Data File : BG033108.D
 Acq On : 13 Mar 2018 3:30
 Operator : SJ/JU
 Sample : J1867-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CPS103071

Quant Time: Mar 13 08:41:21 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

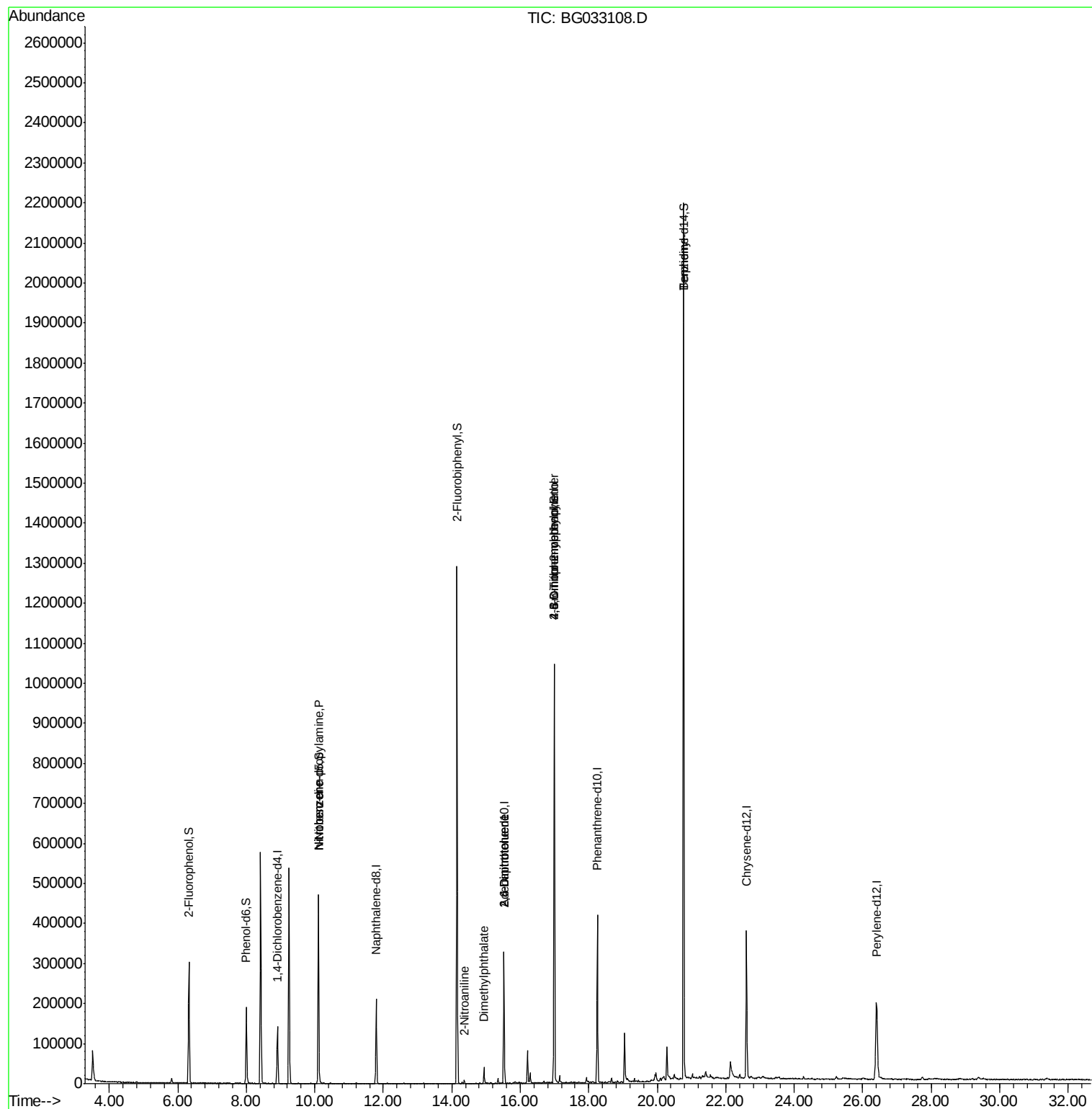
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	41298	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	185155	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	109157	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	259653	20.00	ng	0.00
75) Chrysene-d12	22.60	240	248000	20.00	ng	0.00
86) Perylene-d12	26.40	264	259436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	138851	53.79	ng	0.00
7) Phenol-d6	8.00	99	116540	32.39	ng	0.00
23) Nitrobenzene-d5	10.11	82	294470	107.41	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	187955	163.76	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	664616	87.81	ng	0.00
78) Terphenyl-d14	20.77	244	1017197	92.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	39615	15.596	ng	# 84
24) Nitrobenzene	10.11	77	796	6.614	ng	# 36
47) 2-Nitroaniline	14.37	65	55	9.860	ng	# 9
49) Dimethylphthalate	14.94	163	27432	2.960	ng	# 99
50) 2,6-Dinitrotoluene	15.52	165	14410	16.550	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	14410	14.749	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	453	5.690	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	12900	4.699	ng	# 1
76) Benzidine	20.77	184	17678	2.091	ng	# 91

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

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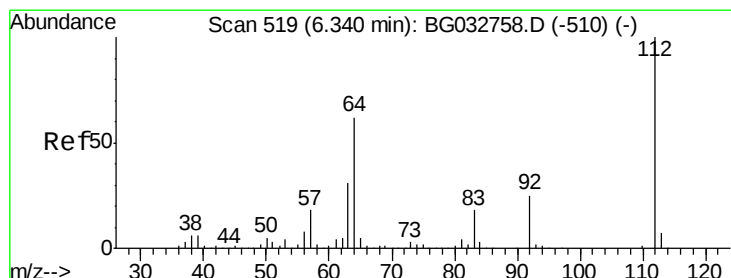
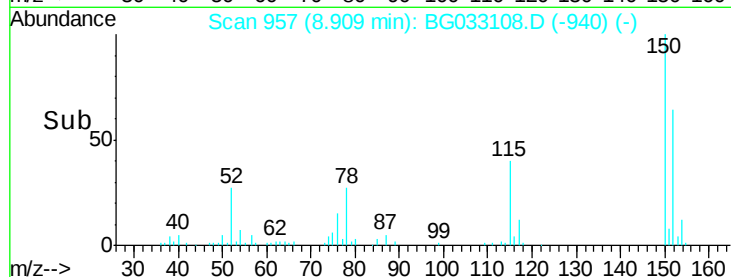
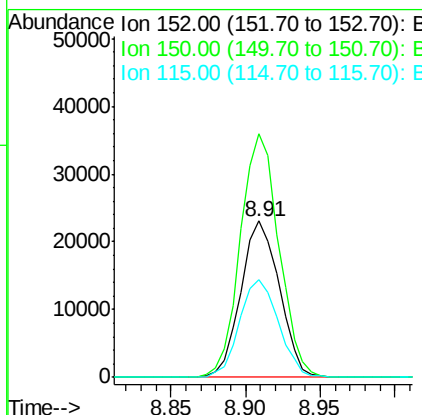
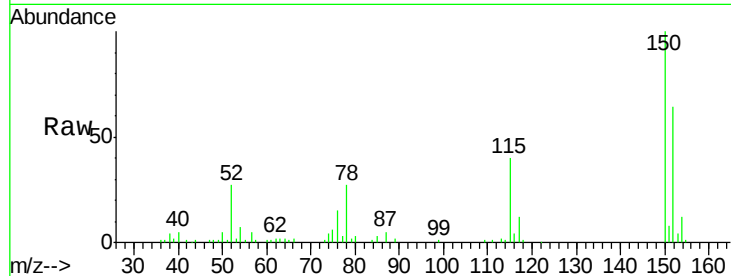


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Instrument :
BNA_G
ClientSampleId :
CPS103071

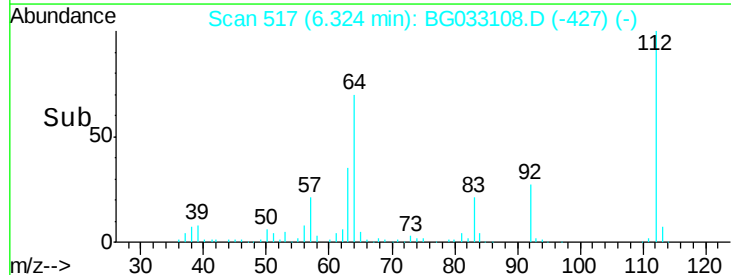
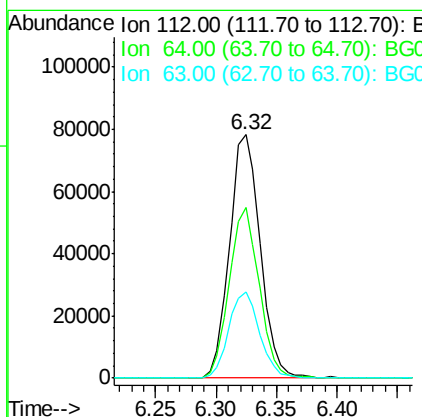
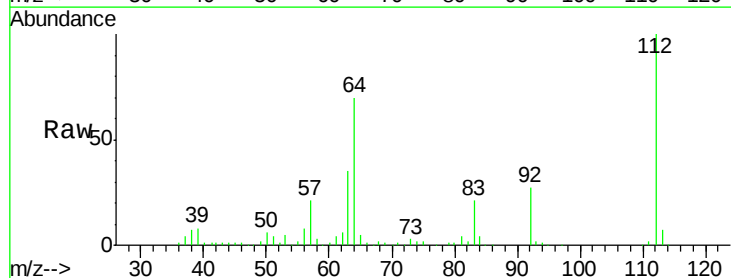
Tgt Ion:152 Resp: 41298
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 62.6 53.0 79.4



#5

2-Fluorophenol
Concen: 53.790 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Tgt Ion:112 Resp: 138851
Ion Ratio Lower Upper
112 100
64 70.0 56.3 84.5
63 35.4 30.1 45.1





#7

Phenol-d6

Concen: 32.390 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033108.D

Acq: 13 Mar 2018 3:30

Instrument :

BNA_G

ClientSampleId :

CPS103071

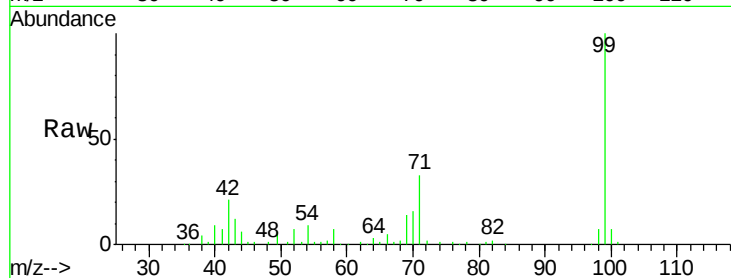
Tgt Ion: 99 Resp: 116540

Ion Ratio Lower Upper

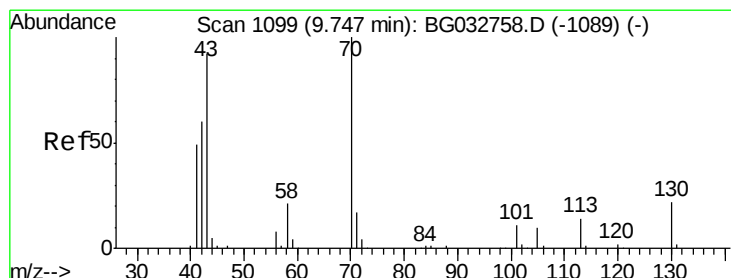
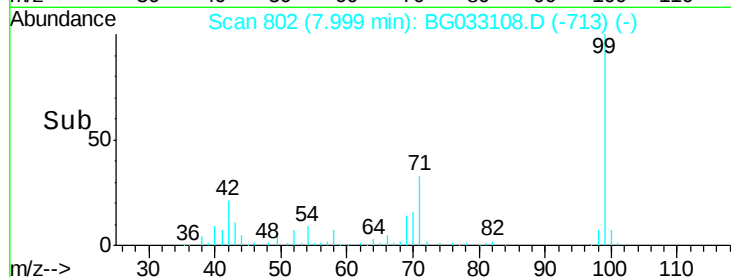
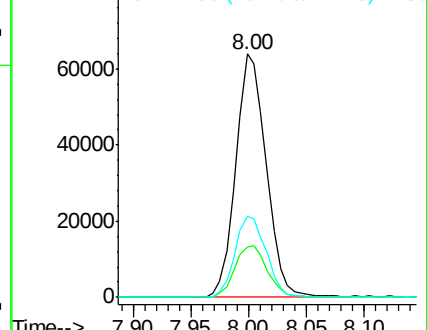
99 100

42 20.6 14.1 21.1

71 33.4 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: 15.596 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033108.D

Acq: 13 Mar 2018 3:30

Tgt Ion: 70 Resp: 39615

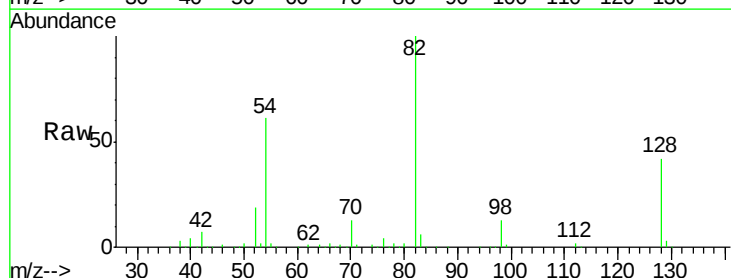
Ion Ratio Lower Upper

70 100

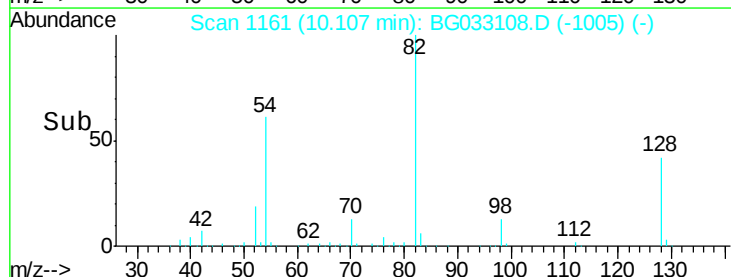
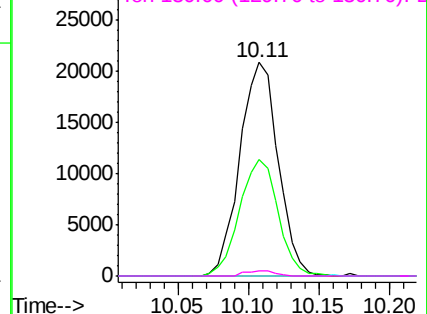
42 54.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.2 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

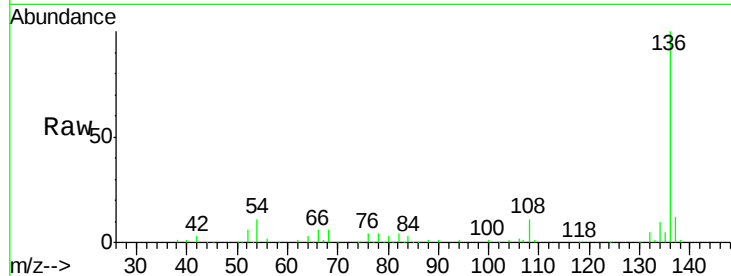




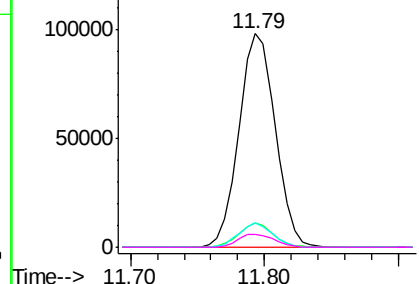
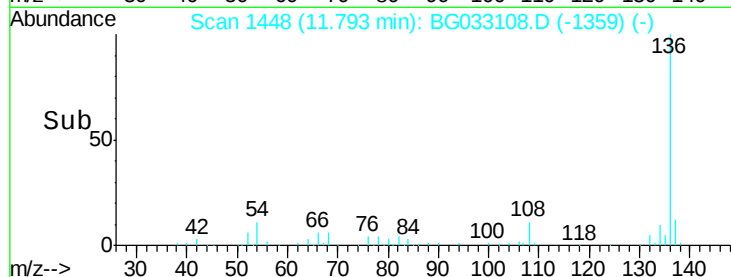
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Instrument :
BNA_G
ClientSampleId :
CPS103071

Tgt Ion:	136	Resp:	185155
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	11.3	10.3	15.5
68	6.0	4.5	6.7

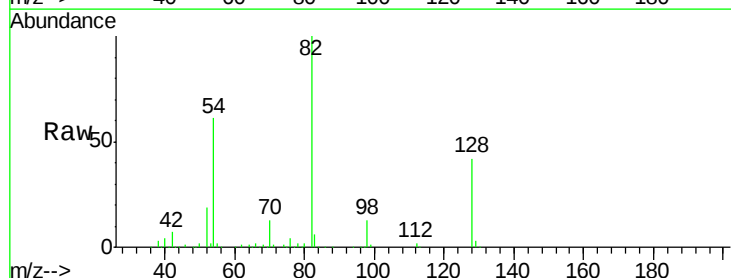


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

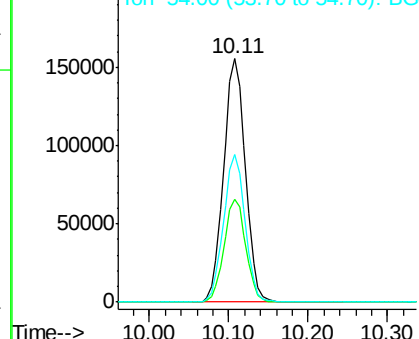
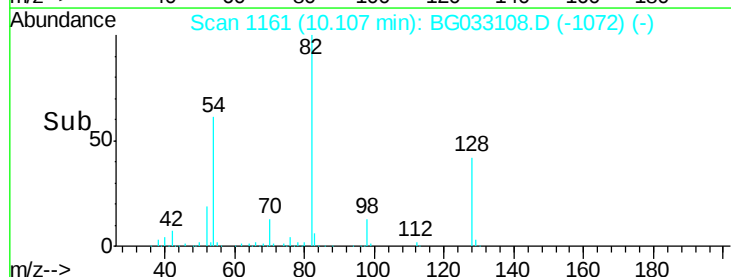


#23
Nitrobenzene-d5
Concen: 107.408 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Tgt Ion:	82	Resp:	294470
Ion	Ratio	Lower	Upper
82	100		
128	42.3	29.7	44.5
54	60.8	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

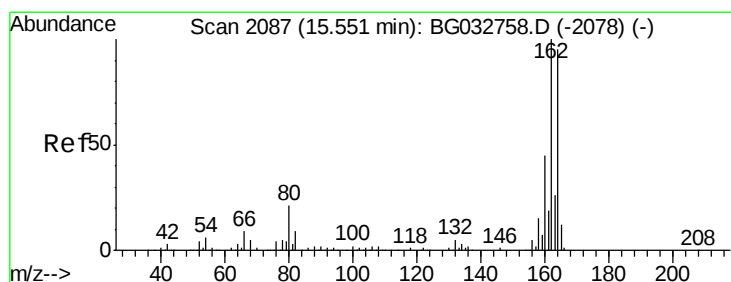
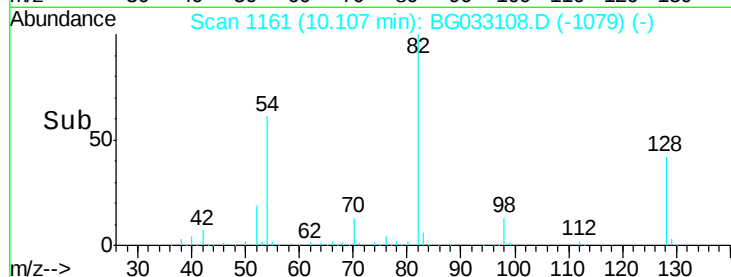
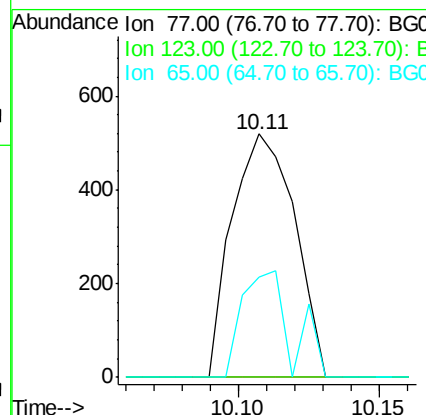
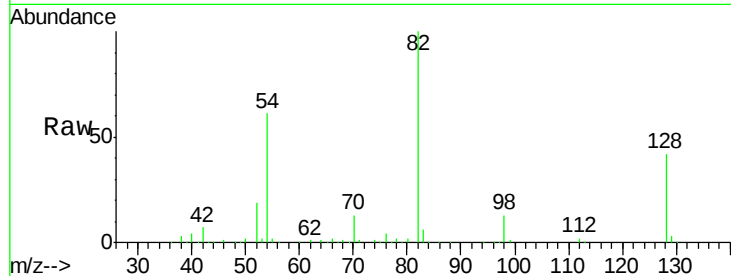




#24
 Nitrobenzene
 Concen: 6.614 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

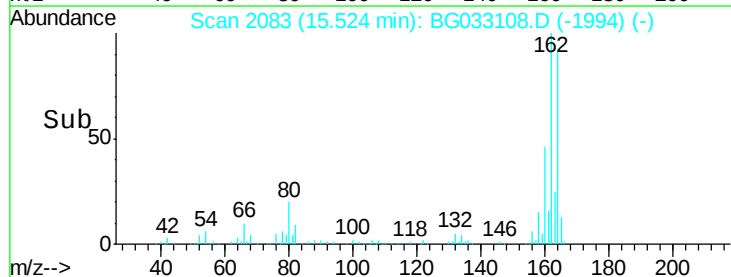
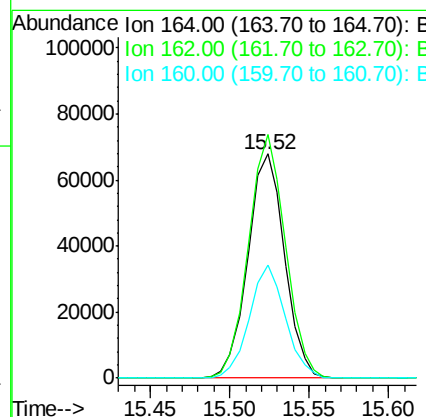
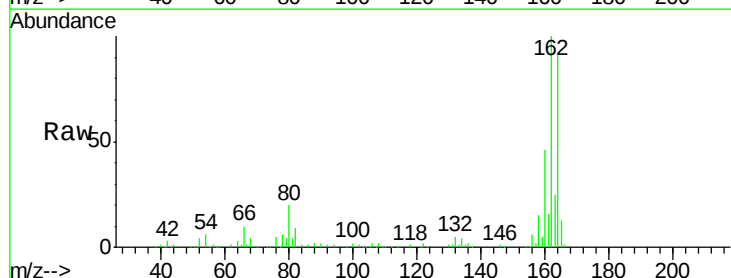
Instrument :
 BNA_G
 ClientSampleId :
 CPS103071

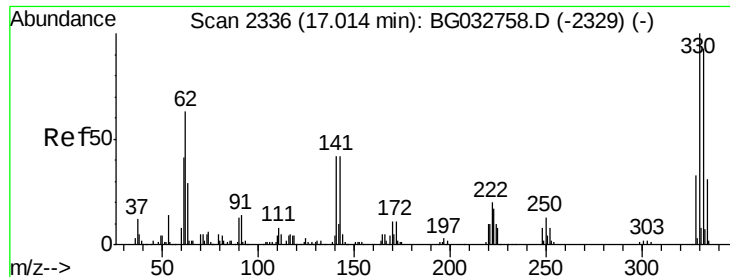
Tgt Ion: 77 Resp: 796
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 41.0 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Tgt Ion: 164 Resp: 109157
 Ion Ratio Lower Upper
 164 100
 162 108.5 78.8 118.2
 160 50.3 35.4 53.0

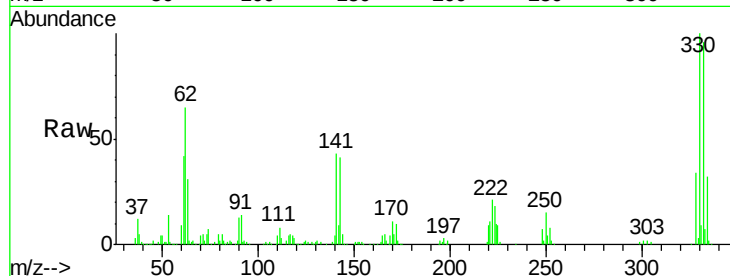




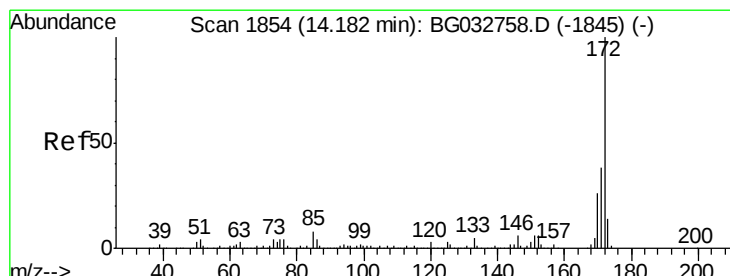
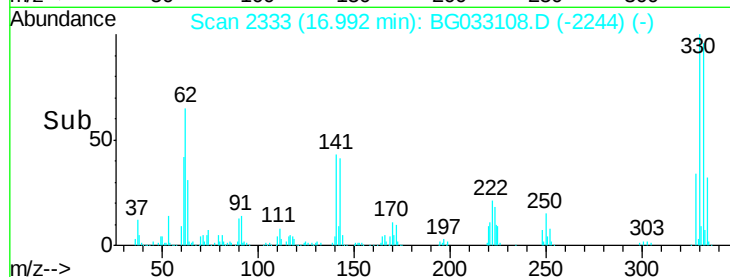
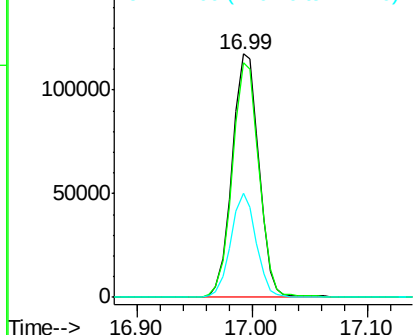
#41
 2,4,6-Tribromophenol
 Concen: 163.760 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 CPS103071

Tgt Ion:330 Resp: 187955
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 40.7 25.2 37.8#

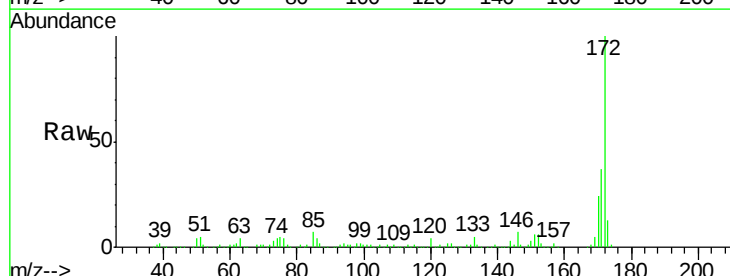


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

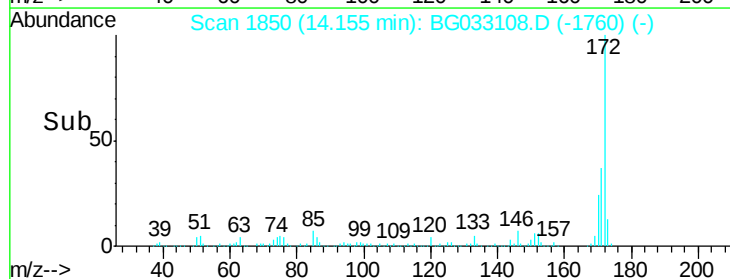
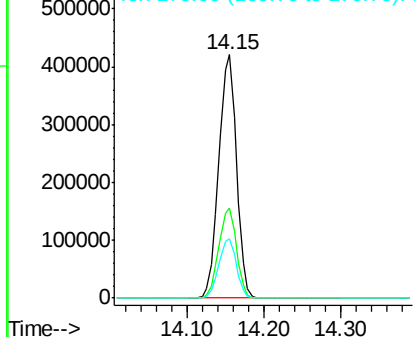


#44
 2-Fluorobiphenyl
 Concen: 87.813 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. -0.00 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Tgt Ion:172 Resp: 664616
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.0 45.0
 170 24.4 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: 9.860 ng

RT: 14.37 min Scan# 1887

Delta R.T. -0.23 min

Lab File: BG033108.D

Acq: 13 Mar 2018 3:30

Instrument :

BNA_G

ClientSampleId :

CPS103071

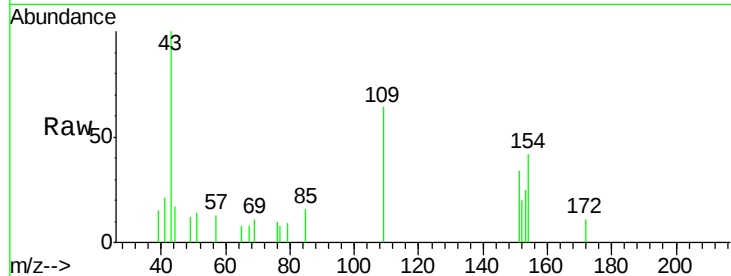
Tgt Ion: 65 Resp: 55

Ion Ratio Lower Upper

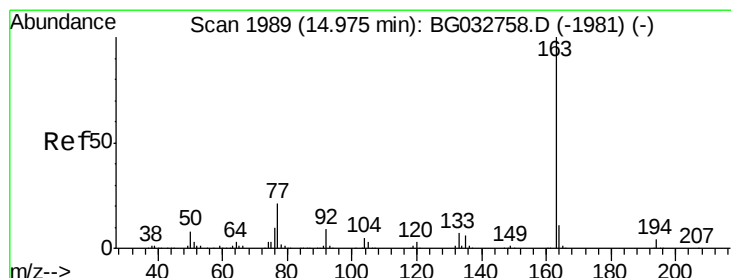
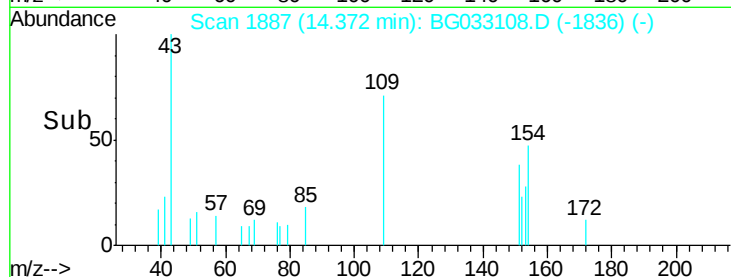
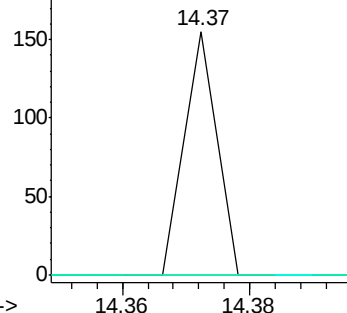
65 100

92 0.0 54.6 82.0#

138 0.0 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



#49

Dimethylphthalate

Concen: 2.960 ng

RT: 14.94 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG033108.D

Acq: 13 Mar 2018 3:30

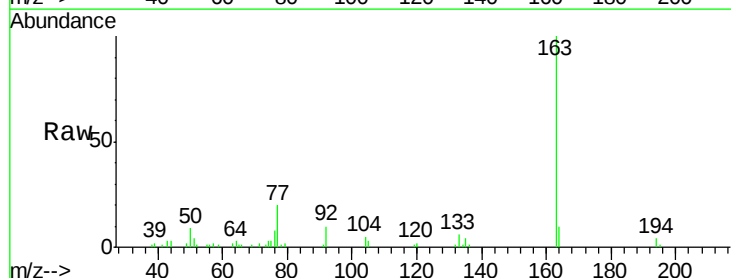
Tgt Ion: 163 Resp: 27432

Ion Ratio Lower Upper

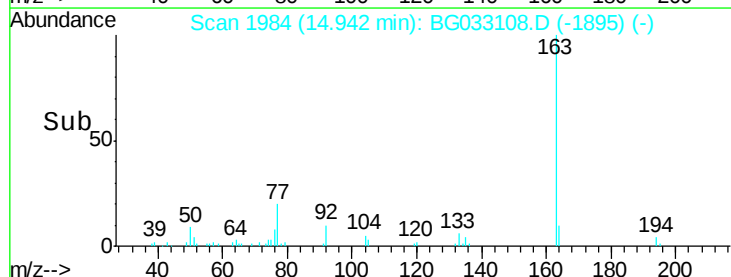
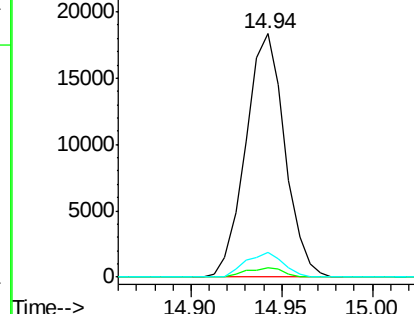
163 100

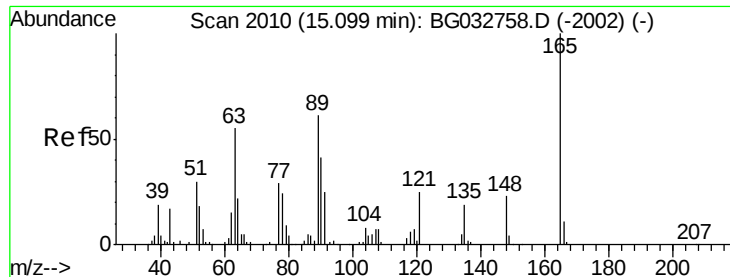
194 3.8 3.4 5.2

164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

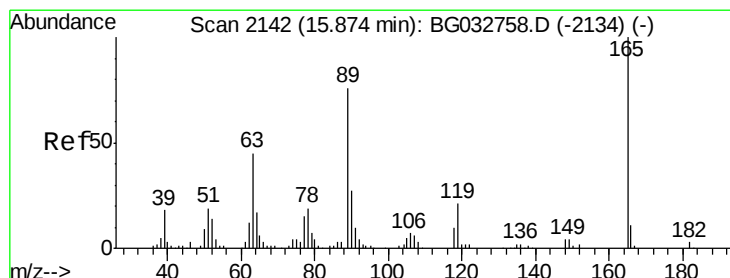
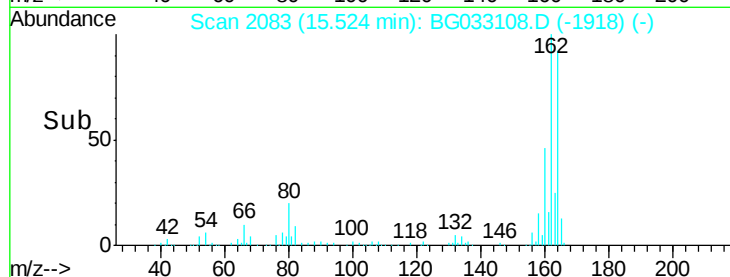
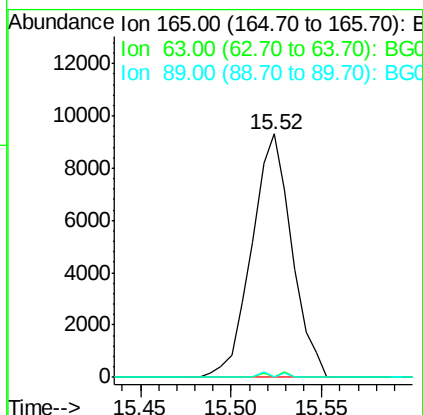
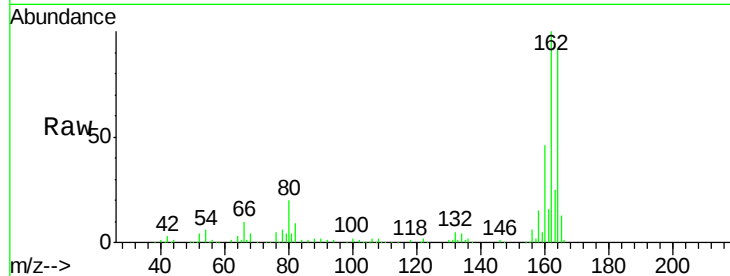




#50
 2,6-Dinitrotoluene
 Concen: 16.550 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. 0.44 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

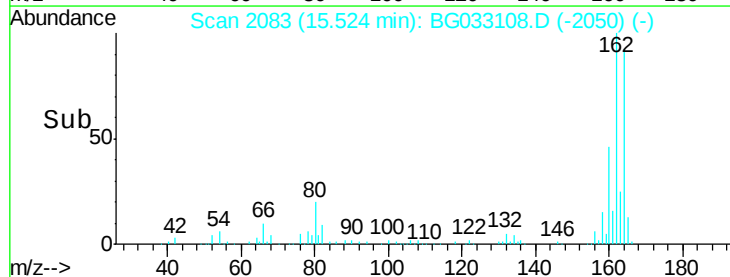
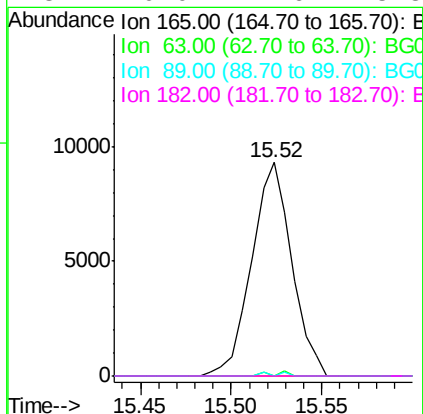
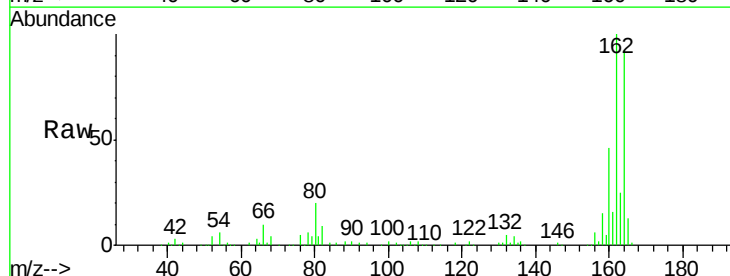
Instrument :
 BNA_G
 ClientSampleId :
 CPS103071

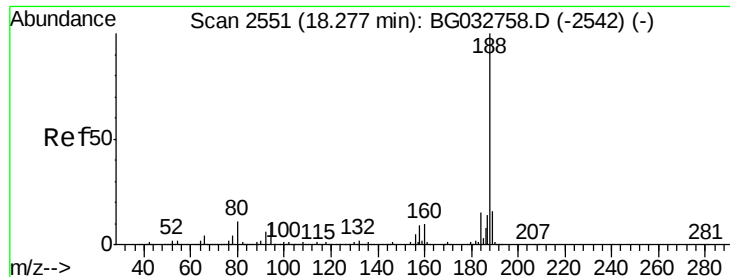
Tgt Ion:165 Resp: 14410
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 14.749 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.34 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Tgt Ion:165 Resp: 14410
 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#

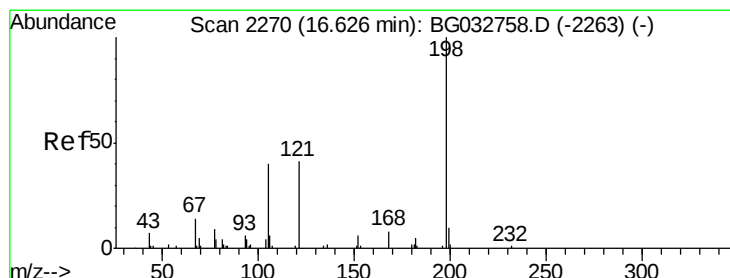
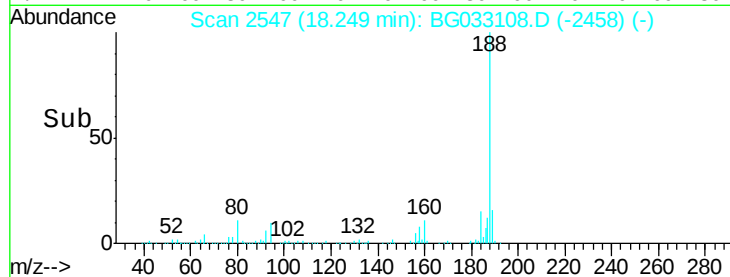
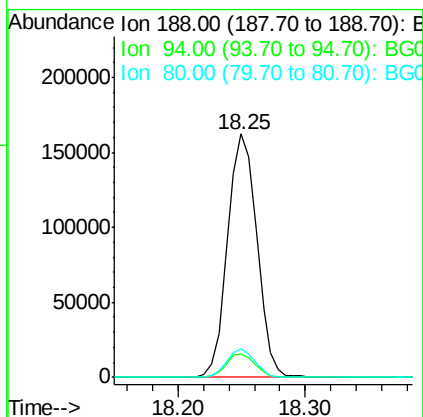
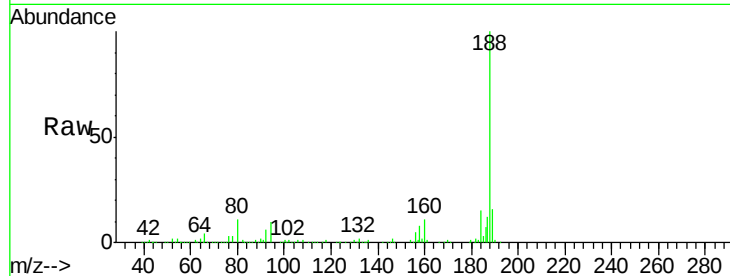




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

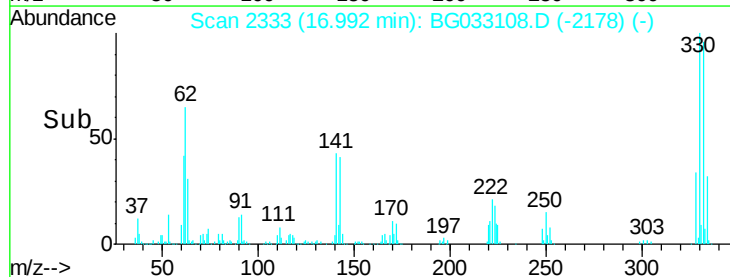
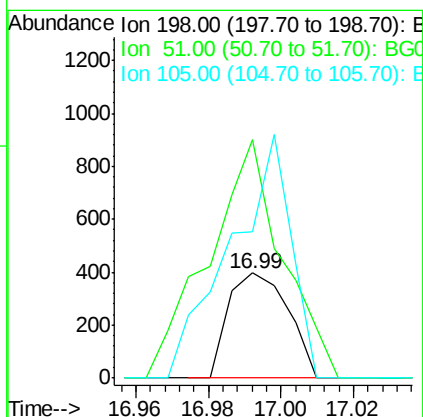
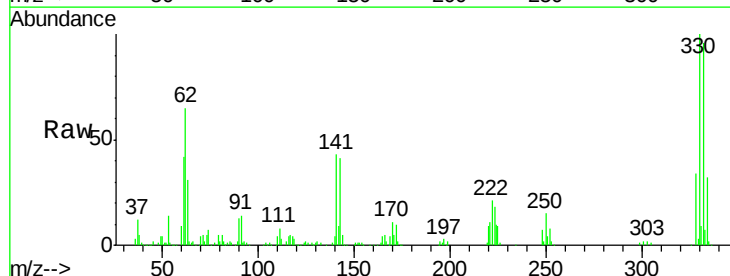
Instrument :
BNA_G
ClientSampleId :
CPS103071

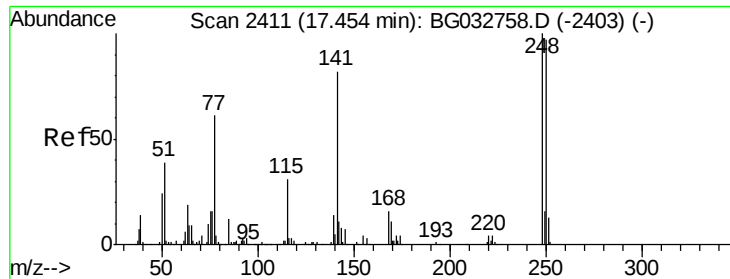
Tgt Ion:188 Resp: 259653
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 11.5 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.690 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Tgt Ion:198 Resp: 453
Ion Ratio Lower Upper
198 100
51 227.5 30.6 70.6#
105 140.2 23.8 63.8#

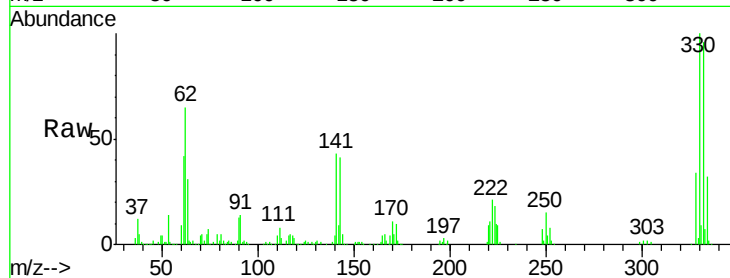




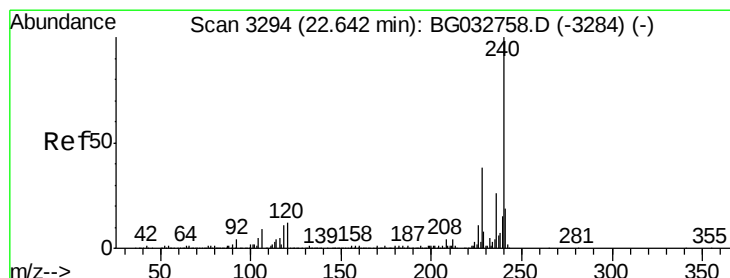
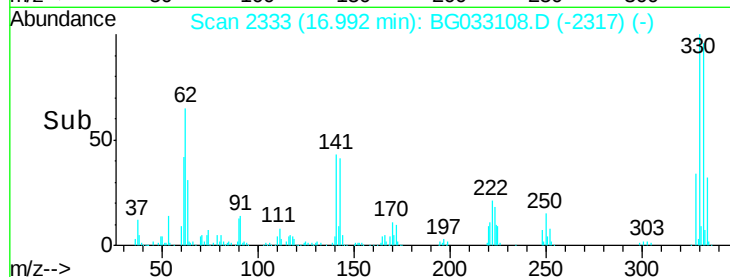
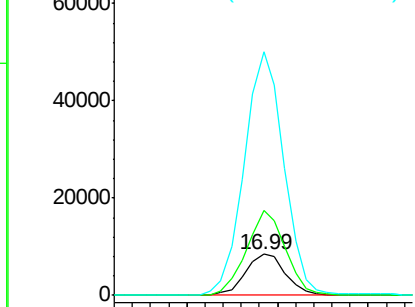
#66
 4-Bromophenyl-phenylether
 Concen: 4.699 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 CPS103071

Tgt Ion:248 Resp: 12900
 Ion Ratio Lower Upper
 248 100
 250 207.2 77.1 115.7#
 141 594.0 50.8 76.2#

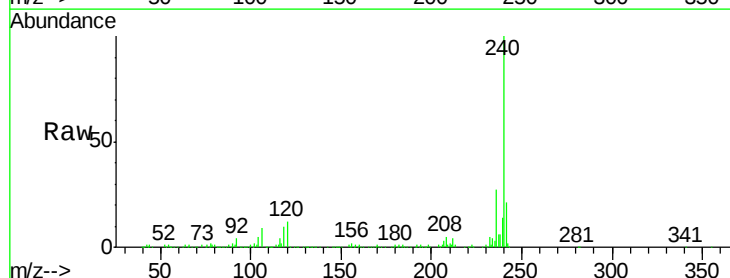


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

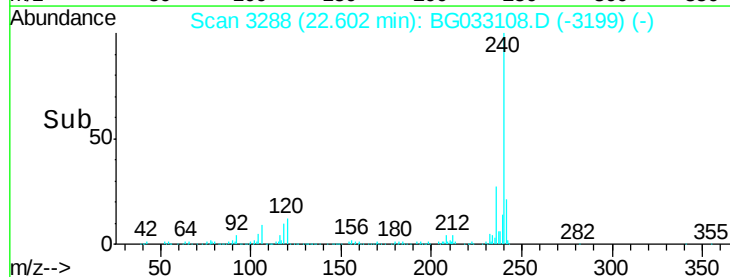
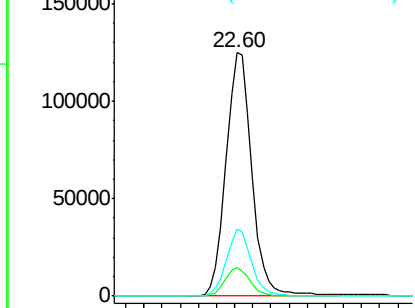


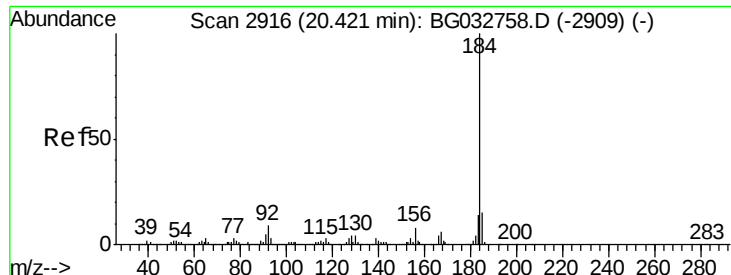
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033108.D
 Acq: 13 Mar 2018 3:30

Tgt Ion:240 Resp: 248000
 Ion Ratio Lower Upper
 240 100
 120 11.6 6.8 10.2#
 236 27.4 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

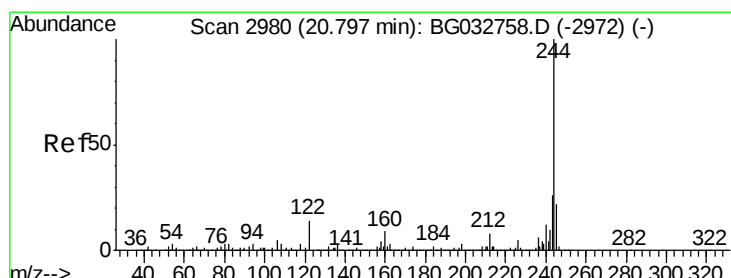
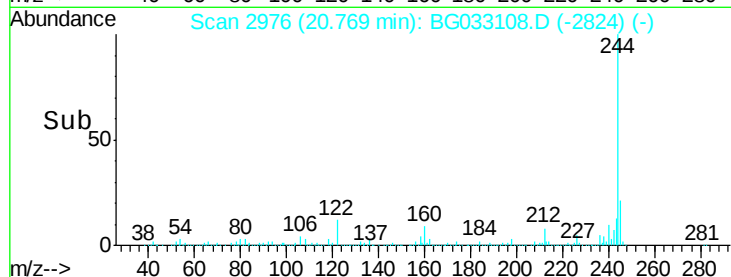
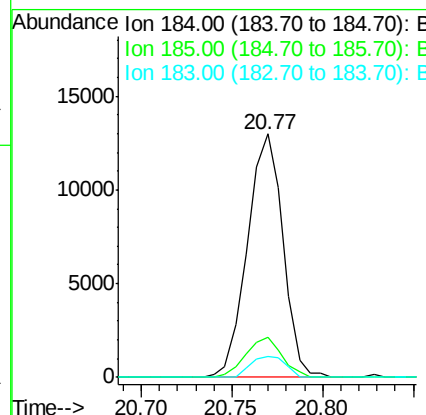
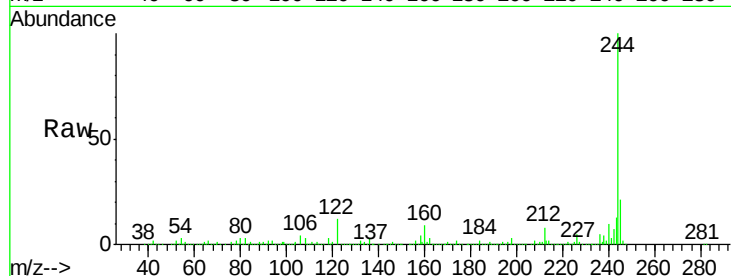




#76
Benzidine
Concen: 2.091 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.36 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

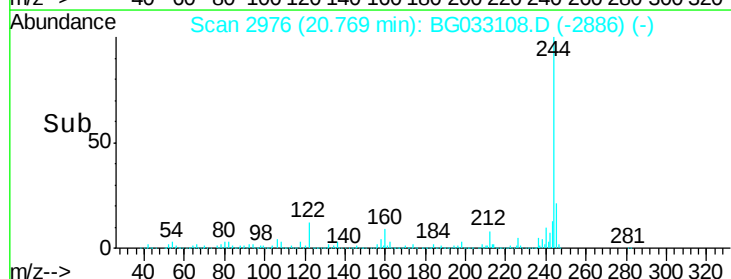
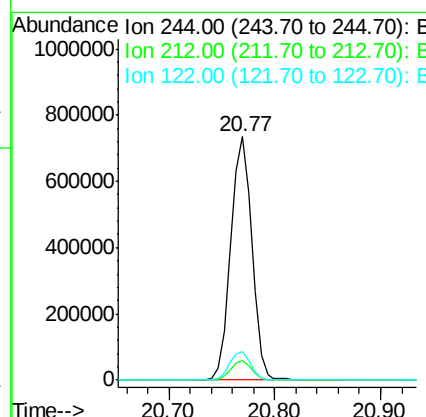
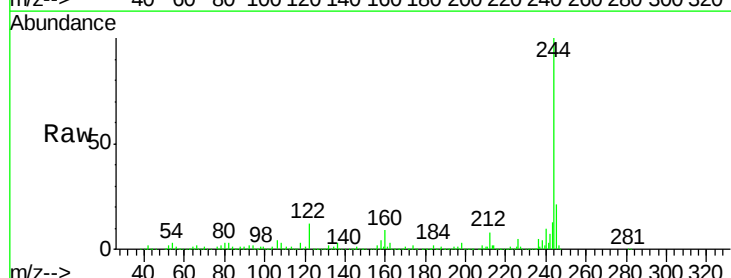
Instrument :
BNA_G
ClientSampleId :
CPS103071

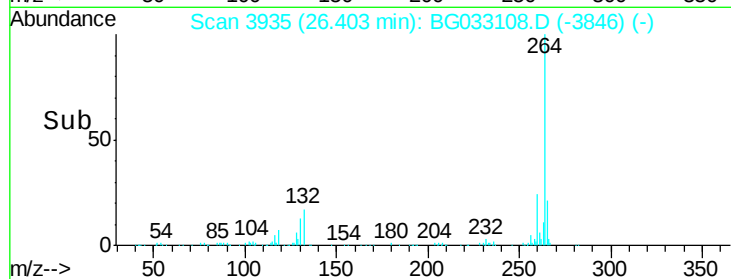
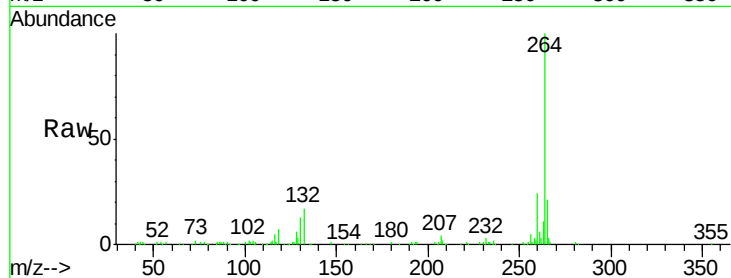
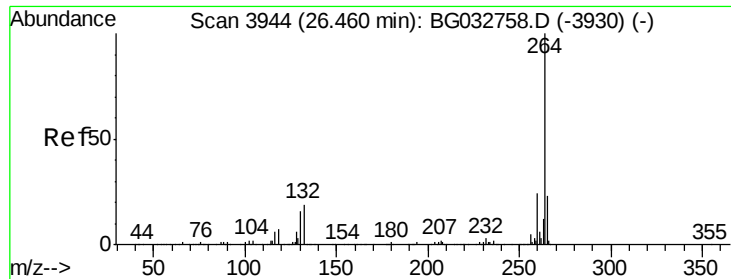
Tgt Ion:184 Resp: 17678
Ion Ratio Lower Upper
184 100
185 16.3 11.1 16.7
183 8.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.152 ng
RT: 20.77 min Scan# 2976
Delta R.T. -0.00 min
Lab File: BG033108.D
Acq: 13 Mar 2018 3:30

Tgt Ion:244 Resp: 1017197
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.8
122 11.6 7.0 10.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 26.40 min Scan# 3935

Delta R.T. -0.01 min

Lab File: BG033108.D

Acq: 13 Mar 2018 3:30

Instrument :

BNA_G

ClientSampleId :

CPS103071

Tgt Ion:264 Resp: 259436

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 21.0 17.7 26.5

