

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033088.D
 Acq On : 12 Mar 2018 14:16
 Operator : SJ/JU
 Sample : J1868-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 12 15:31:05 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

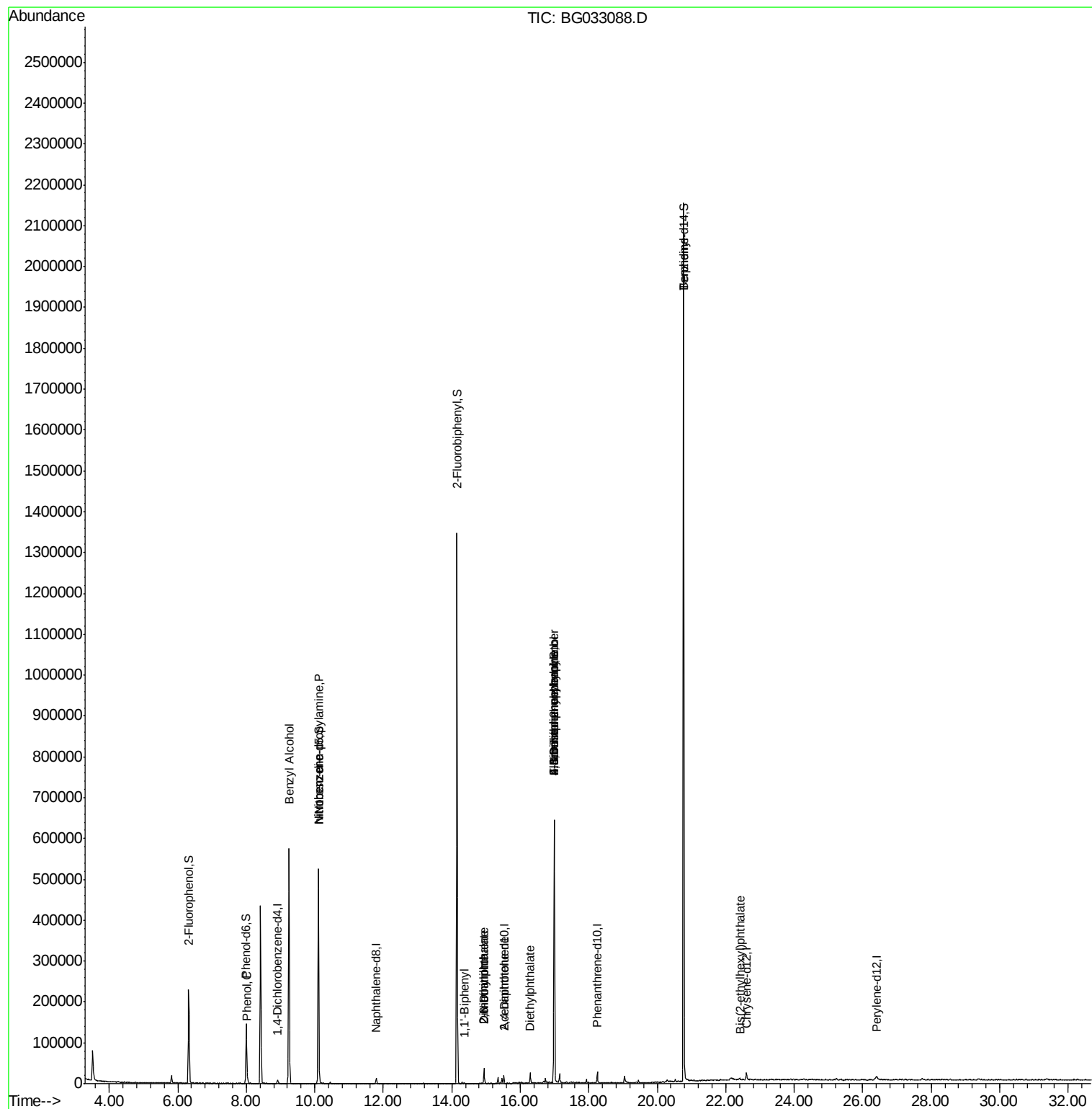
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	3020	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	13468	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	7543	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	17382	20.00	ng	0.00
75) Chrysene-d12	22.60	240	15374	20.00	ng	0.00
86) Perylene-d12	26.40	264	13016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	108137	572.86	ng	0.00
7) Phenol-d6	8.00	99	89487	340.11	ng	0.00
23) Nitrobenzene-d5	10.11	82	322812	1479.25	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	117115	1476.64	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	701814	1341.90	ng	0.00
78) Terphenyl-d14	20.77	244	1042753	1523.86	ng	0.00
Target Compounds						
10) Phenol	8.03	94	7808	29.438	ng	Qvalue 92
15) Benzyl Alcohol	9.25	79	4947	25.575	ng	# 46
19) n-Nitroso-di-n-propylamine	10.11	70	43971	236.718	ng	# 83
24) Nitrobenzene	10.10	77	1149	11.019	ng	# 48
45) 1,1'-Biphenyl	14.36	154	1756	2.664	ng	# 86
47) 2-Nitroaniline	14.94	65	179	10.982	ng	# 1
49) Dimethylphthalate	14.94	163	25488	39.796	ng	# 98
50) 2,6-Dinitrotoluene	14.94	165	138	9.959	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	790	13.149	ng	# 16
57) Fluorene	16.99	166	5169	8.761	ng	# 89
59) Diethylphthalate	16.28	149	2504	3.707	ng	# 90
64) 4,6-Dinitro-2-methylphenol	16.99	198	155	8.648	ng	# 1
65) n-Nitrosodiphenylamine	16.99	169	4421	7.818	ng	# 46
66) 4-Bromophenyl-phenylether	16.99	248	8105	44.098	ng	# 1
76) Benzidine	20.77	184	17359	33.125	ng	# 89
83) Bis(2-ethylhexyl)phthalate	22.41	149	1814	2.549	ng	# 97

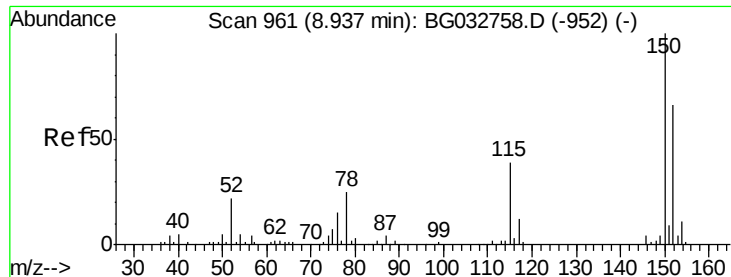
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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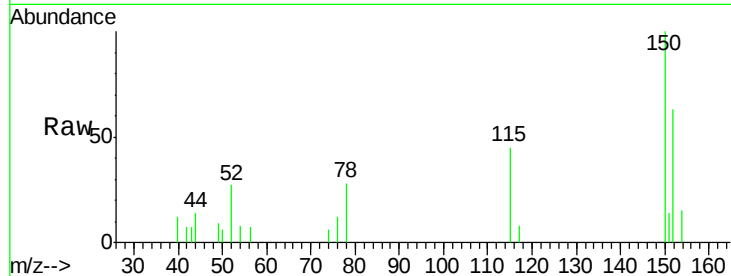


#1

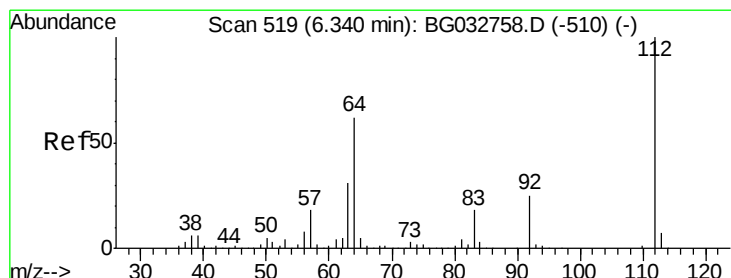
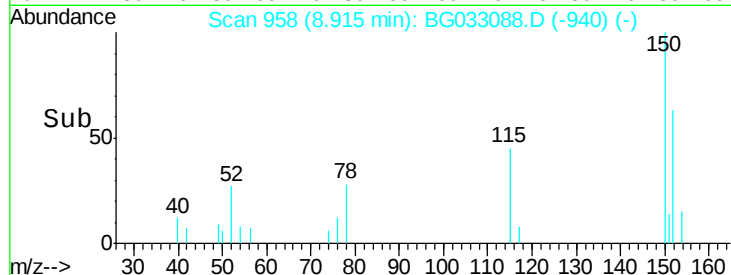
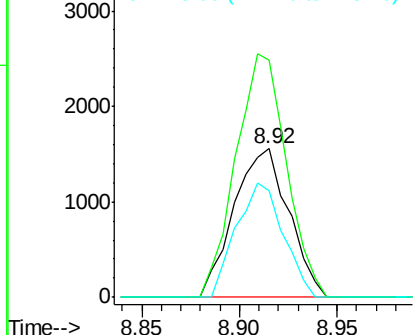
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 3020
Ion Ratio Lower Upper
152 100
150 159.9 126.6 189.8
115 71.8 53.0 79.4



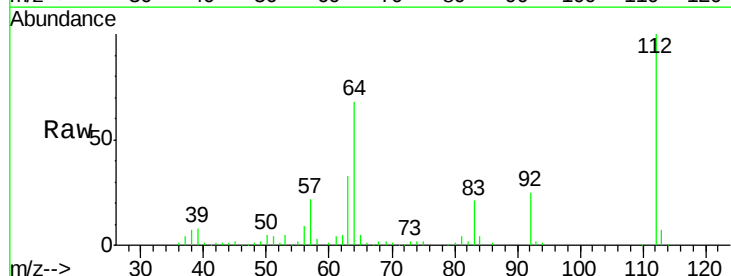
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



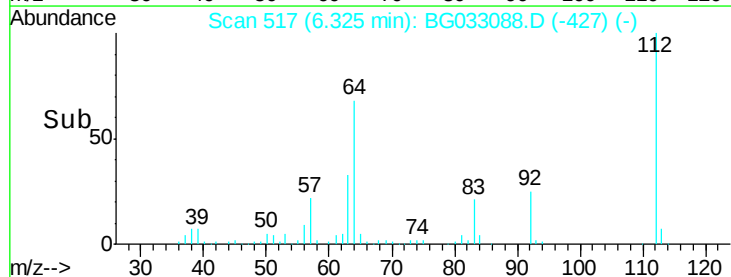
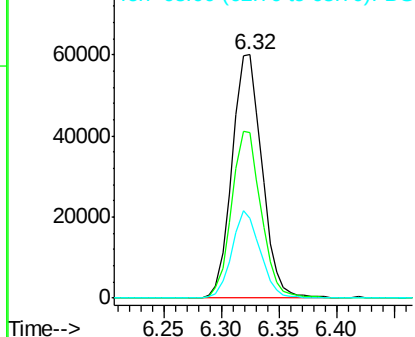
#5

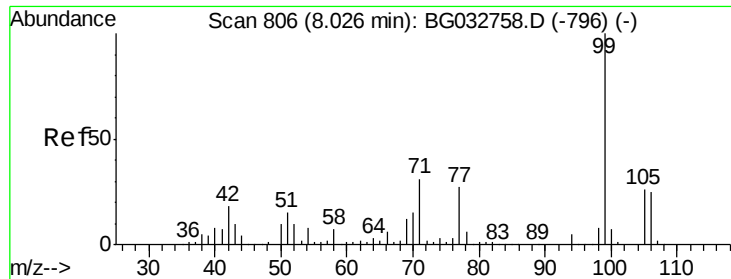
2-Fluorophenol
Concen: 572.859 ng
RT: 6.32 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:112 Resp: 108137
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 32.5 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: 340.106 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

Instrument :

BNA_G

ClientSampleId :

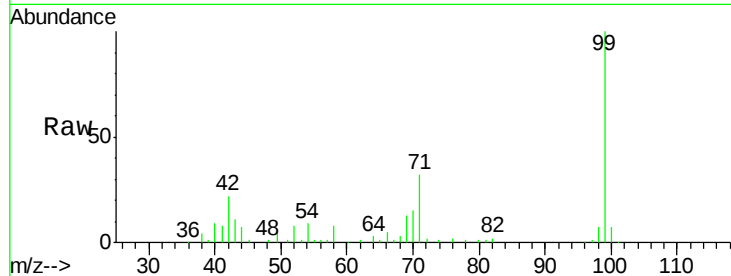
Tot Ion: 99 Resp: 89487

Ion Ratio Lower Upper

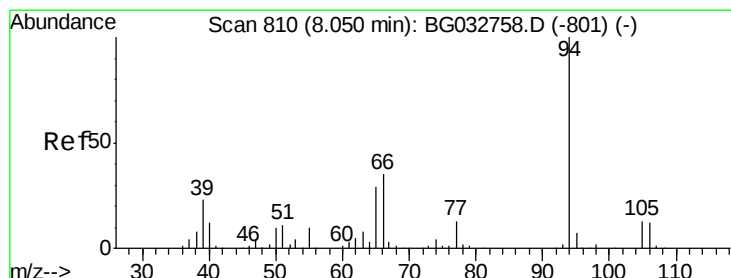
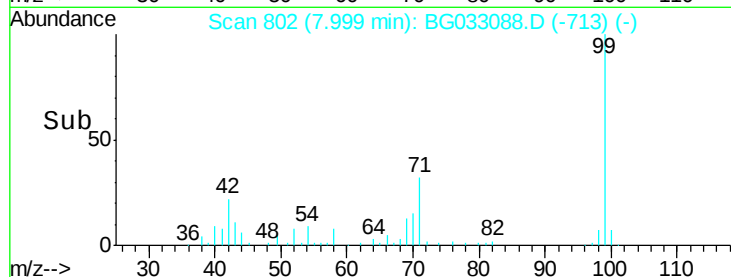
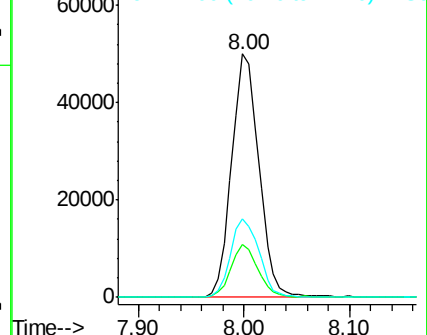
99 100

42 21.8 14.1 21.1#

71 32.1 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



#10

Phenol

Concen: 29.438 ng

RT: 8.03 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

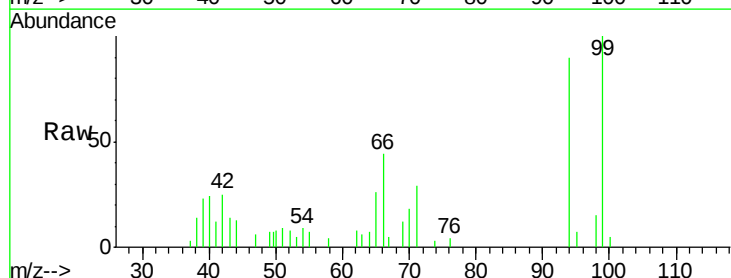
Tgt Ion: 94 Resp: 7808

Ion Ratio Lower Upper

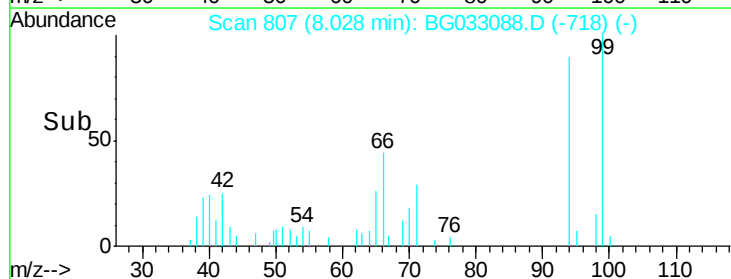
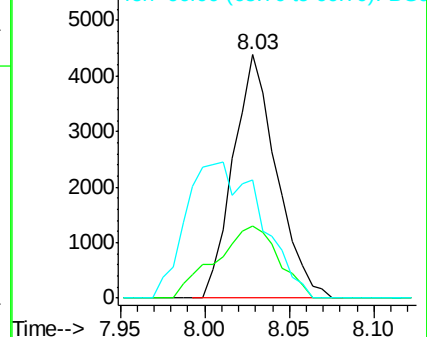
94 100

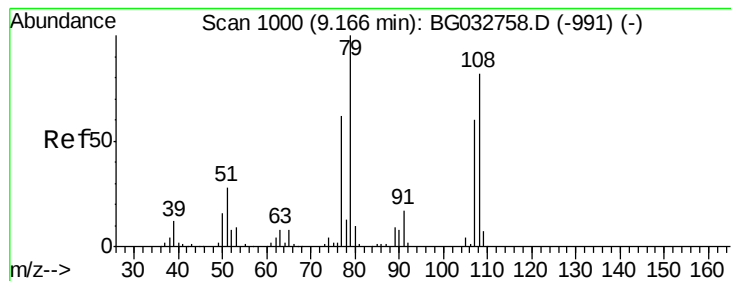
65 29.3 11.9 51.9

66 48.5 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 25.575 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

Instrument :

BNA_G

ClientSampleId :

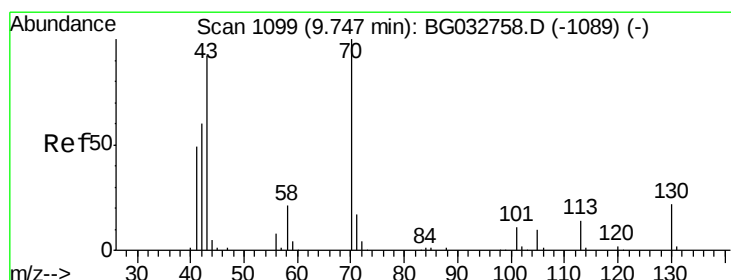
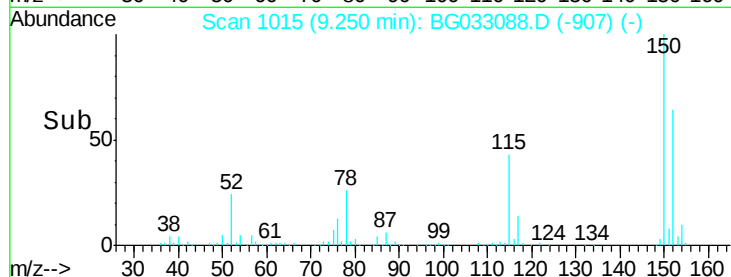
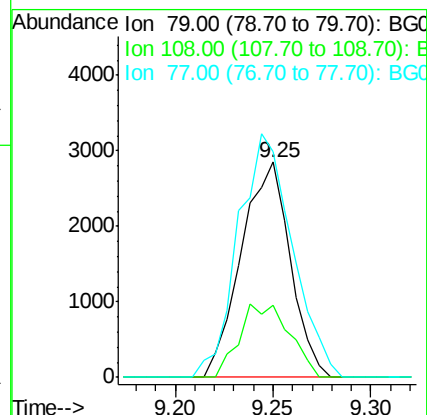
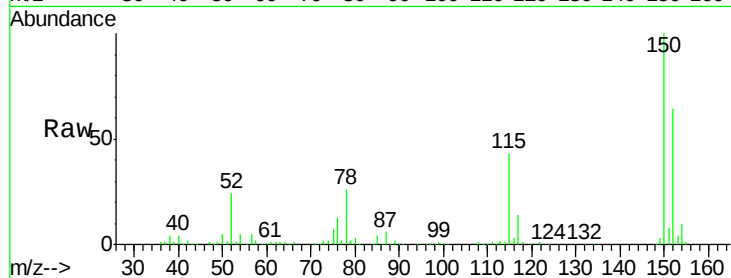
Tot Ion: 79 Resp: 4947

Ion Ratio Lower Upper

79 100

108 33.5 57.2 85.8#

77 105.2 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 236.718 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

Tgt Ion: 70 Resp: 43971

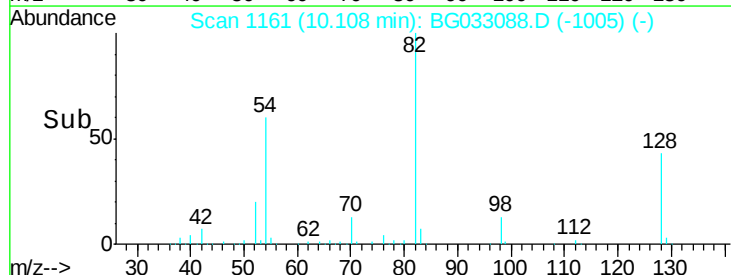
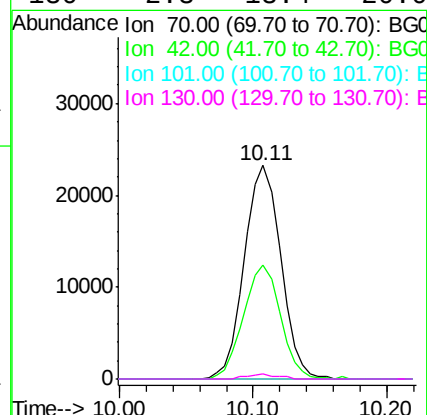
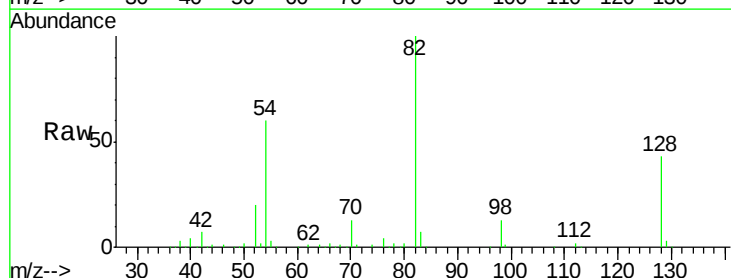
Ion Ratio Lower Upper

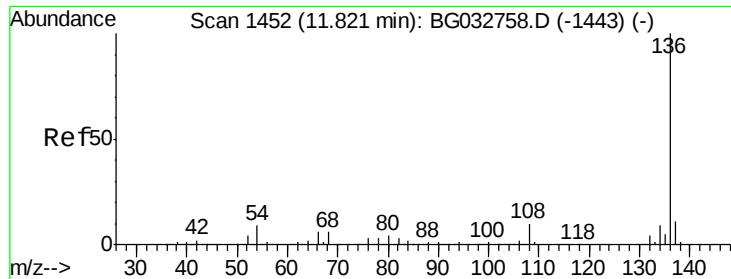
70 100

42 53.6 49.1 73.7

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

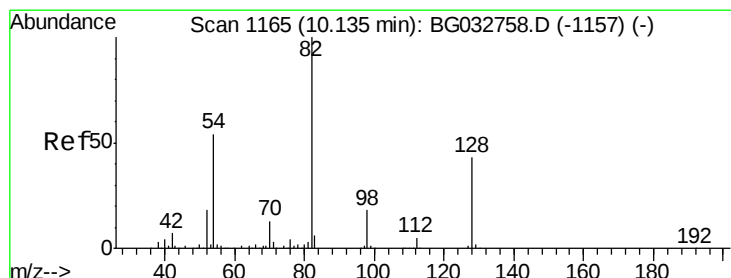
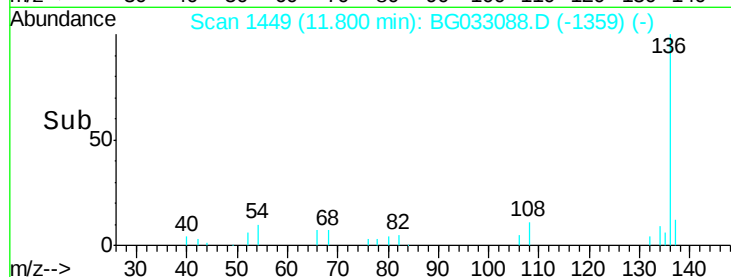
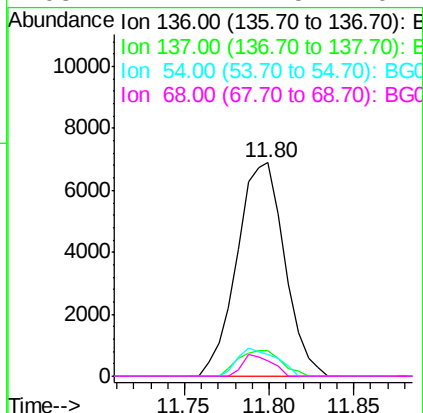
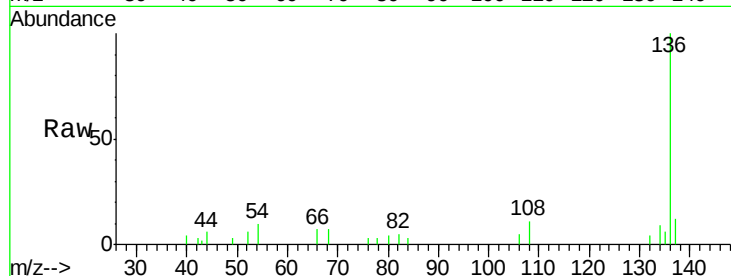




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

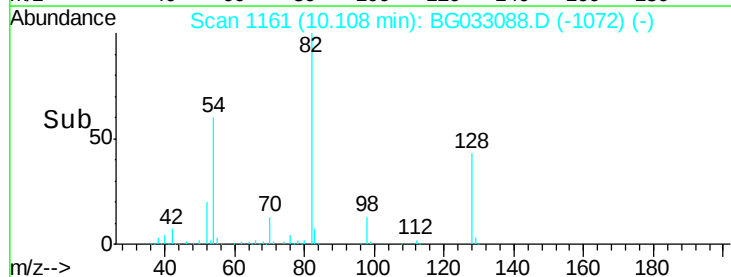
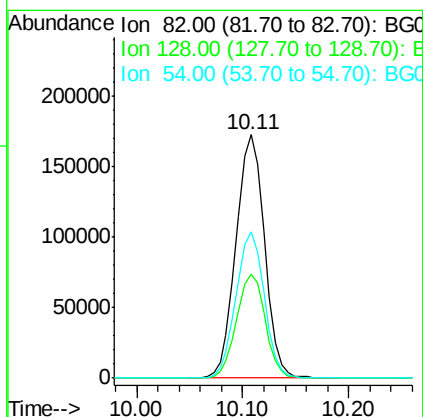
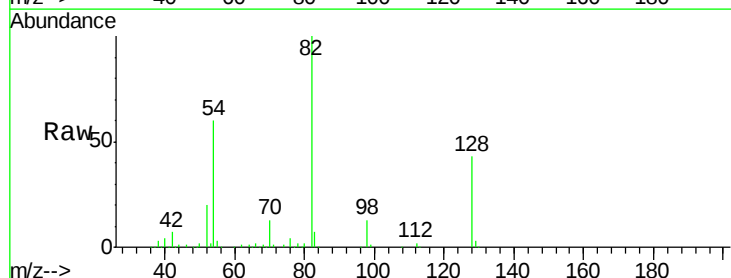
Instrument :
BNA_G
ClientSampled :

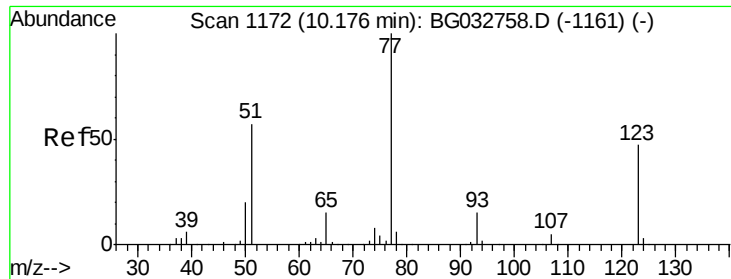
Tot Ion:136	Resp:	13468
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	10.1	10.3 15.5#
68	7.2	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 1479.254 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion: 82	Resp:	322812
Ion Ratio	Lower	Upper
82	100	
128	42.9	29.7 44.5
54	60.2	43.1 64.7





#24

Nitrobenzene

Concen: 11.019 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

Instrument :

BNA_G

ClientSampleId :

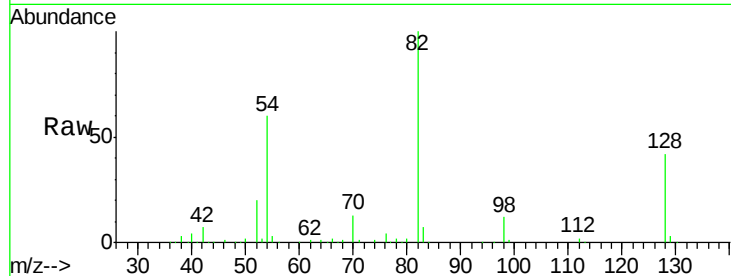
Tot Ion: 77 Resp: 1149

Ion Ratio Lower Upper

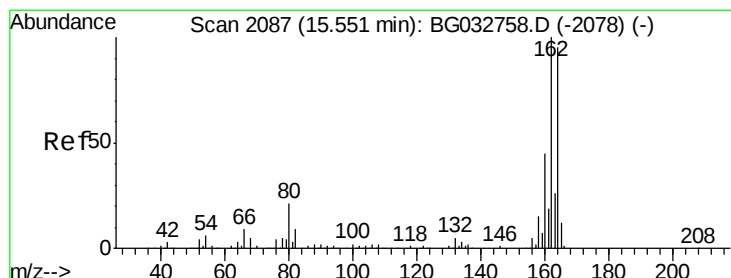
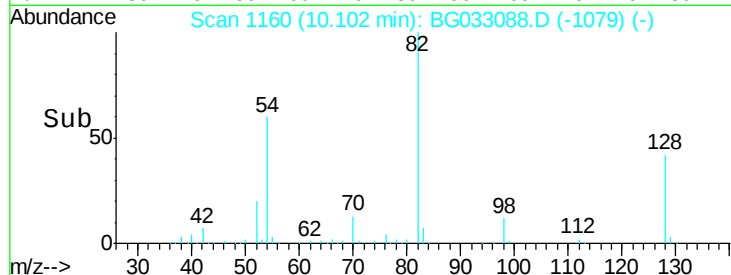
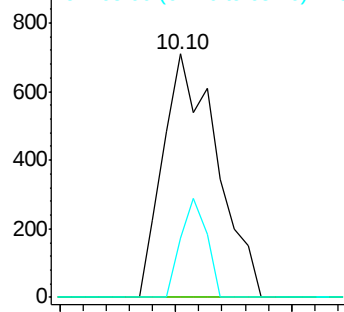
77 100

123 0.0 33.0 49.6#

65 24.2 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

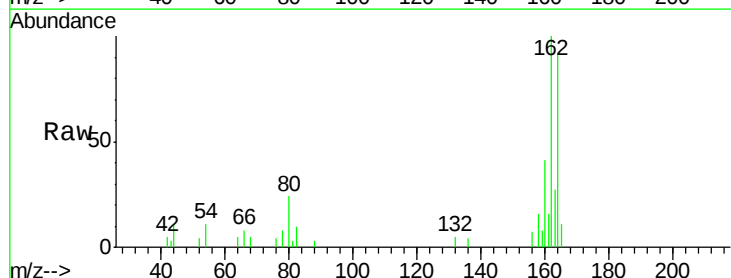
Tgt Ion:164 Resp: 7543

Ion Ratio Lower Upper

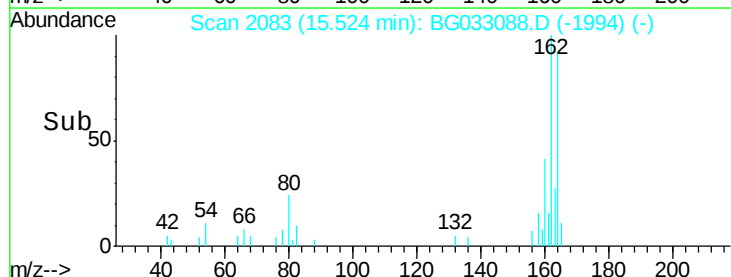
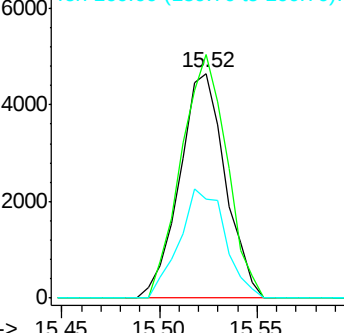
164 100

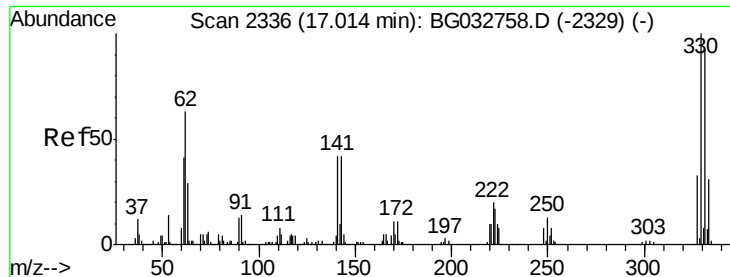
162 108.3 78.8 118.2

160 43.9 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





#41

2,4,6-Tribromophenol

Concen: 1476.636 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG033088.D

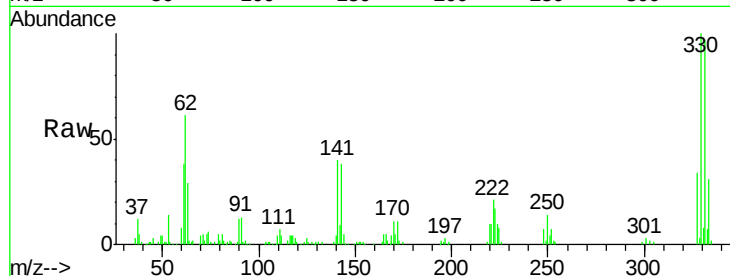
Acq: 12 Mar 2018 14:16

Instrument :

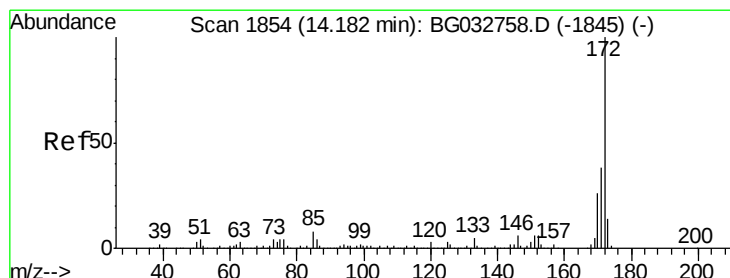
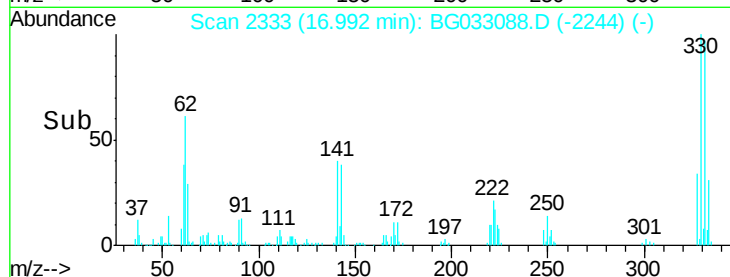
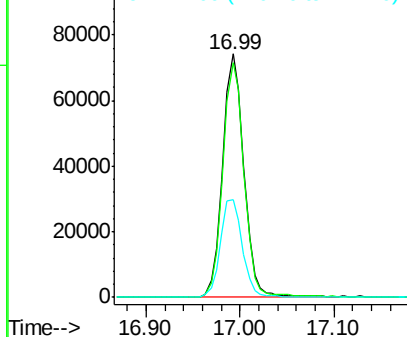
BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	117115
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	41.4	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: 1341.897 ng

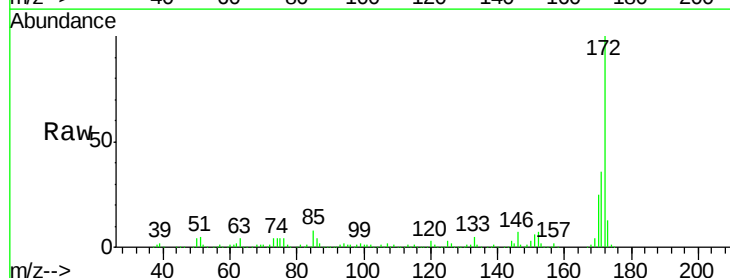
RT: 14.15 min Scan# 1849

Delta R.T. -0.01 min

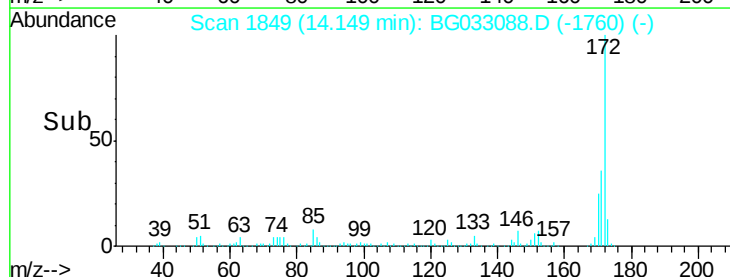
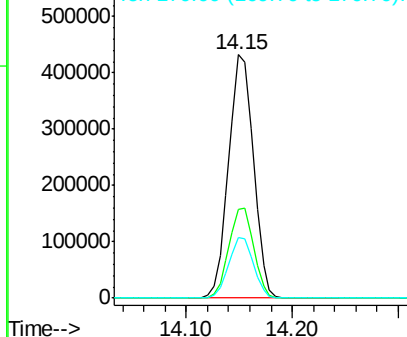
Lab File: BG033088.D

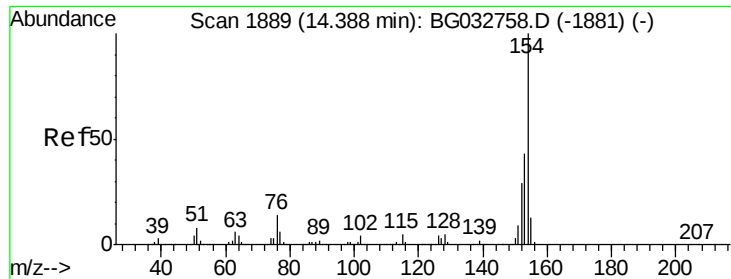
Acq: 12 Mar 2018 14:16

Tgt Ion:	172	Resp:	701814
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.0	45.0
170	24.8	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





#45

1,1'-Biphenyl

Concen: 2.664 ng

RT: 14.36 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

Instrument :

BNA_G

ClientSampleId :

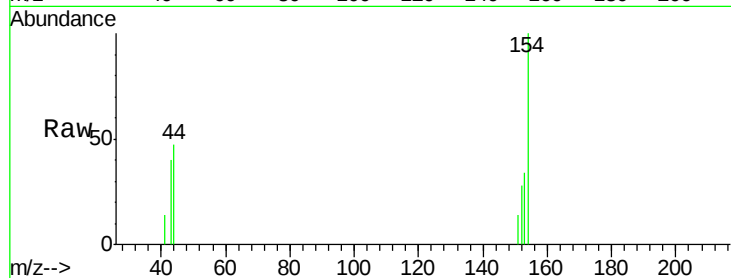
Tot Ion:154 Resp: 1756

Ion Ratio Lower Upper

154 100

153 33.9 19.8 59.8

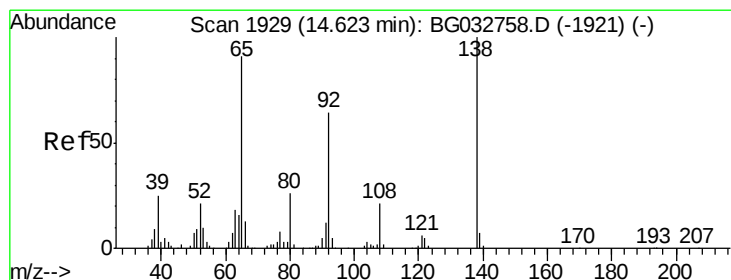
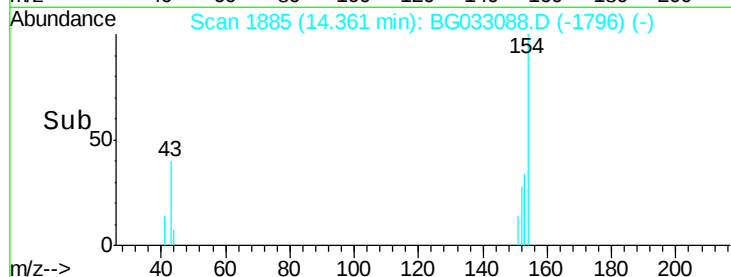
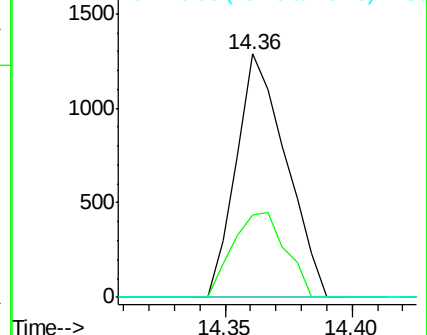
76 0.0 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#47

2-Nitroaniline

Concen: 10.982 ng

RT: 14.94 min Scan# 1983

Delta R.T. 0.33 min

Lab File: BG033088.D

Acq: 12 Mar 2018 14:16

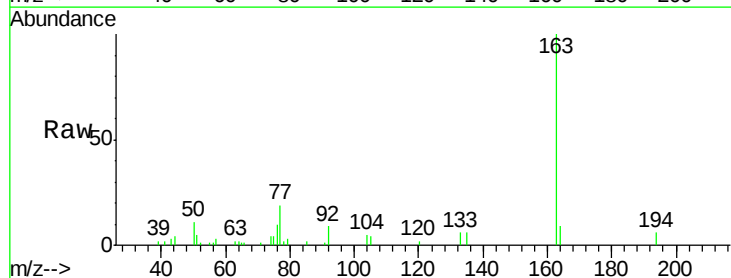
Tgt Ion: 65 Resp: 179

Ion Ratio Lower Upper

65 100

92 746.8 54.6 82.0#

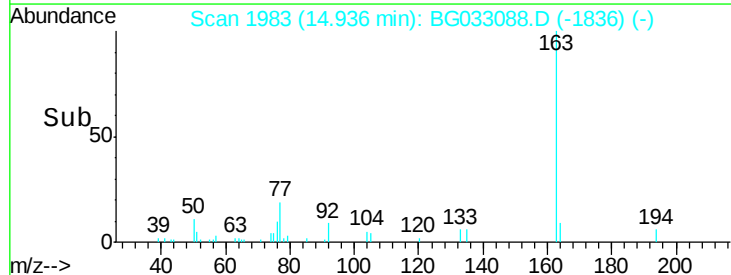
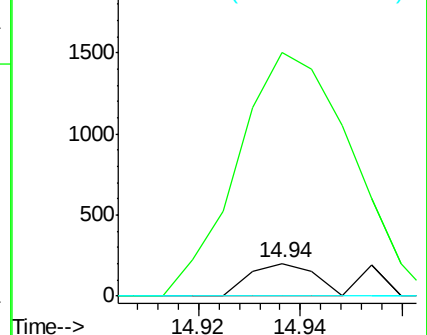
138 0.0 72.9 109.3#

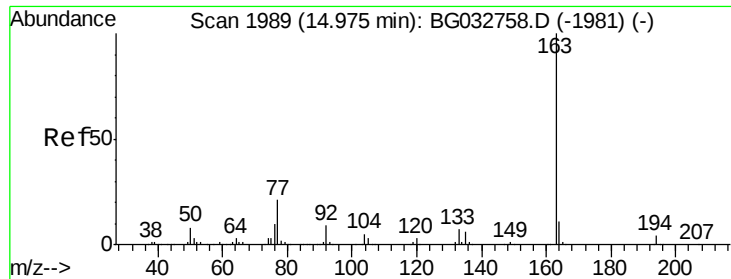


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

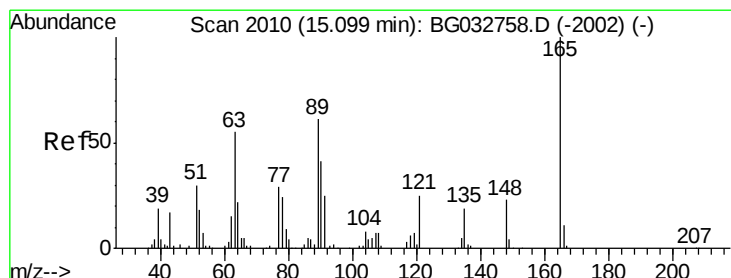
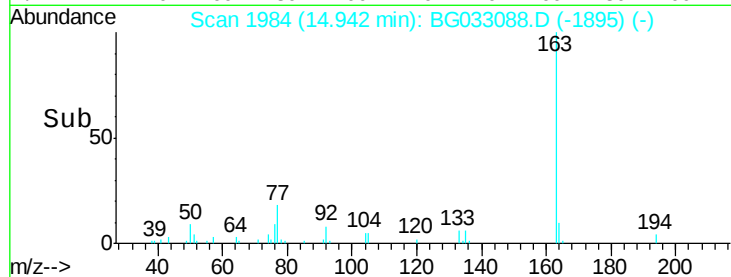
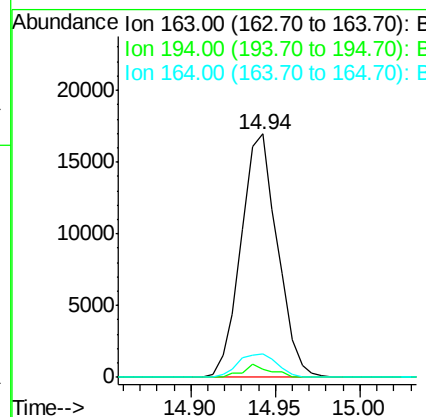
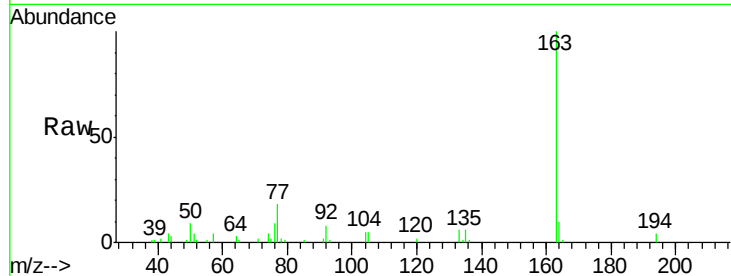




#49
Dimethylphthalate
Concen: 39.796 ng
RT: 14.94 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

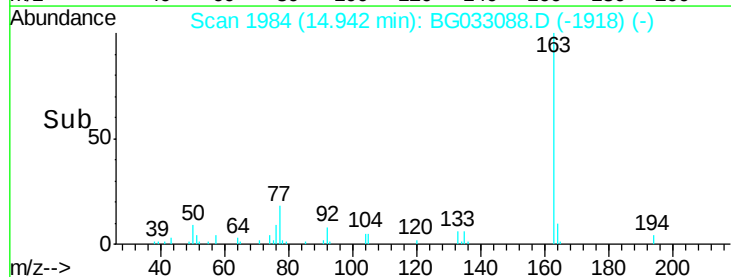
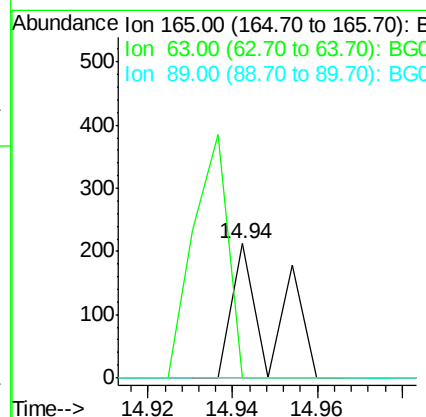
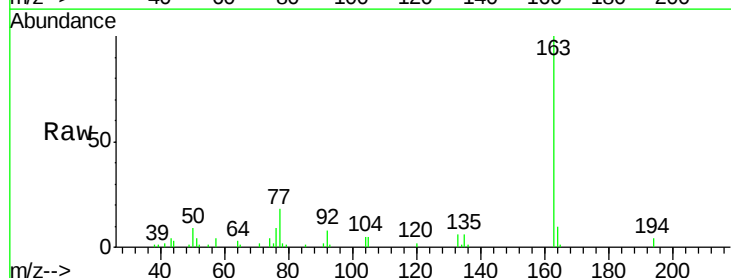
Instrument :
BNA_G
ClientSampleId :

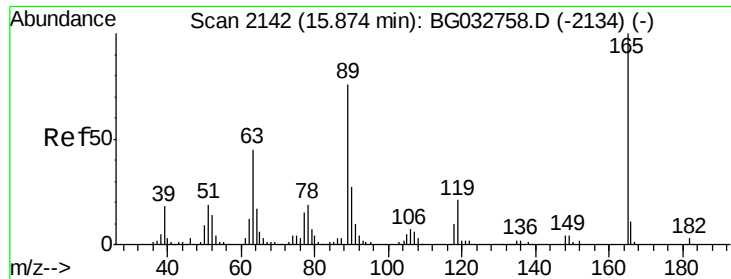
Tot Ion:163 Resp: 25488
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.2
164 9.6 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 9.959 ng
RT: 14.94 min Scan# 1984
Delta R.T. -0.14 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:165 Resp: 138
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

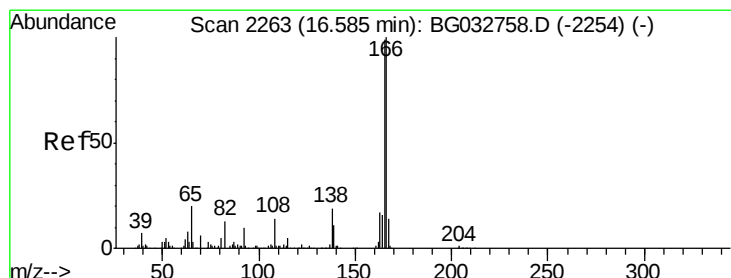
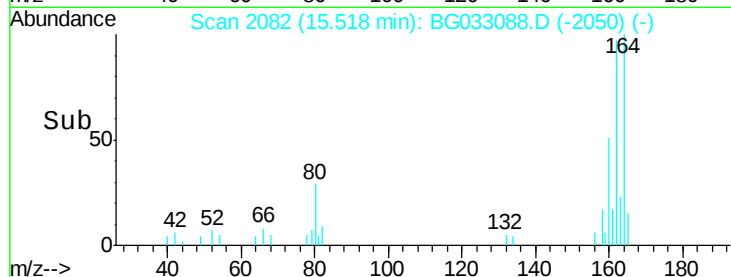
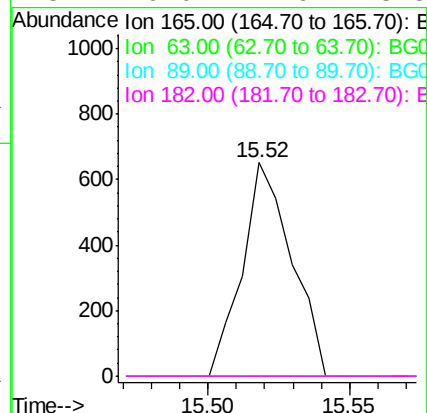
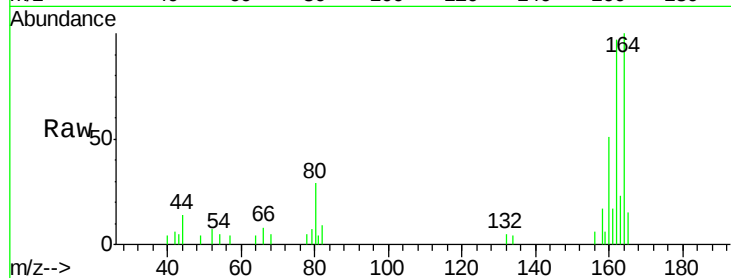




#56
2,4-Dinitrotoluene
Concen: 13.149 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.34 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

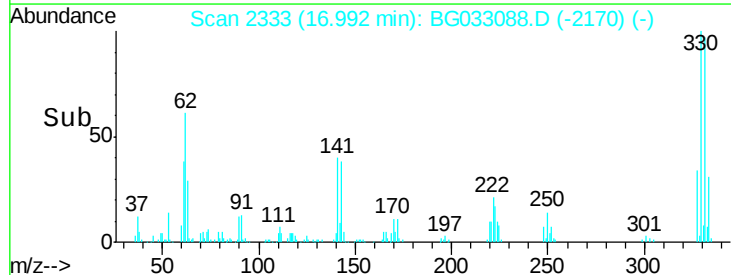
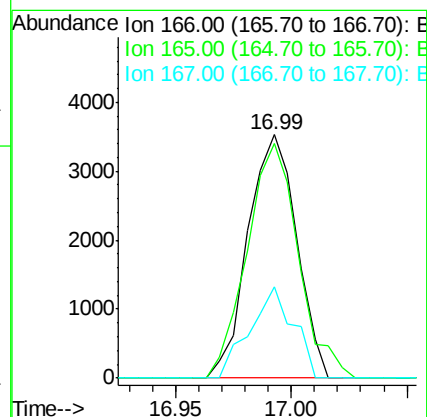
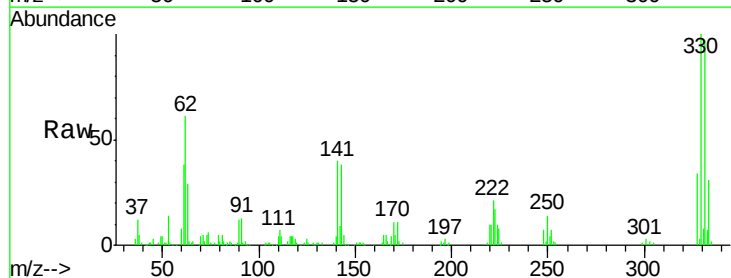
Instrument :
BNA_G
ClientSampleId :

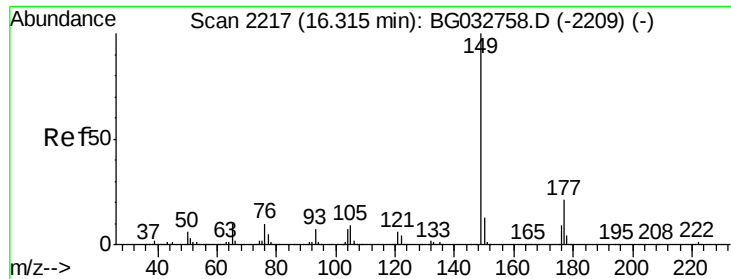
Tot Ion:165 Resp: 790
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#57
Fluorene
Concen: 8.761 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.43 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:166 Resp: 5169
Ion Ratio Lower Upper
166 100
165 96.2 80.6 121.0
167 37.4 10.4 15.6#

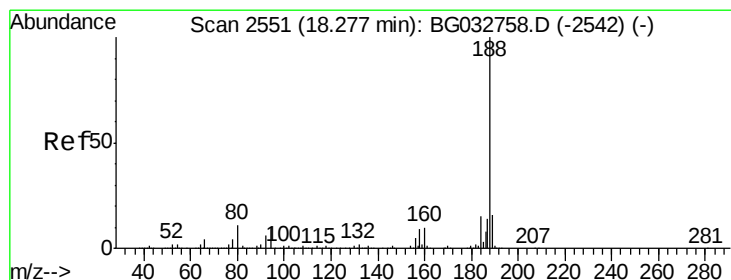
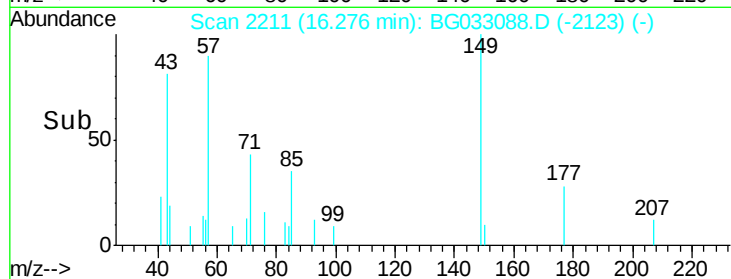
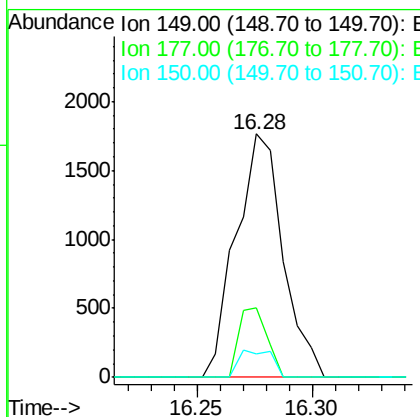
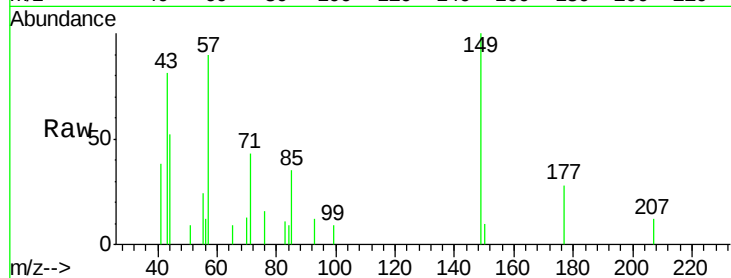




#59
Diethylphthalate
Concen: 3.707 ng
RT: 16.28 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

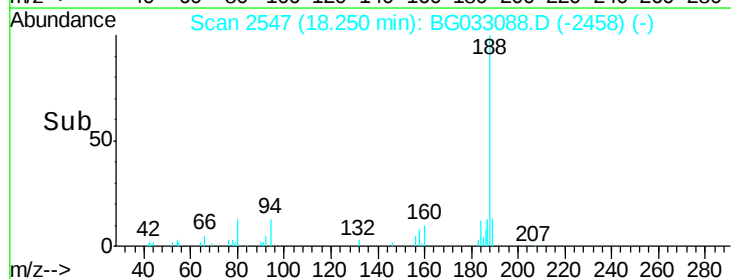
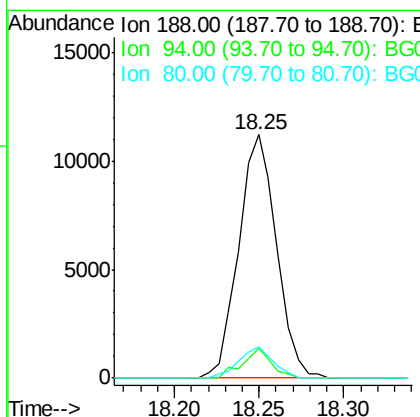
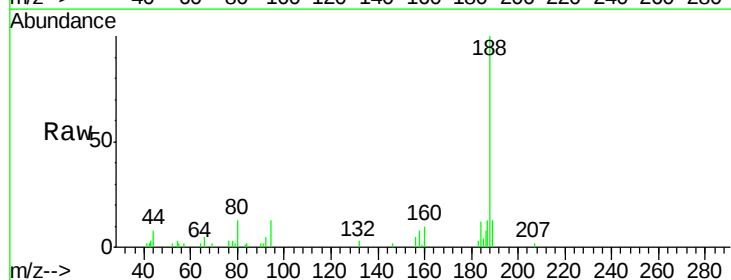
Instrument :
BNA_G
ClientSampleId :

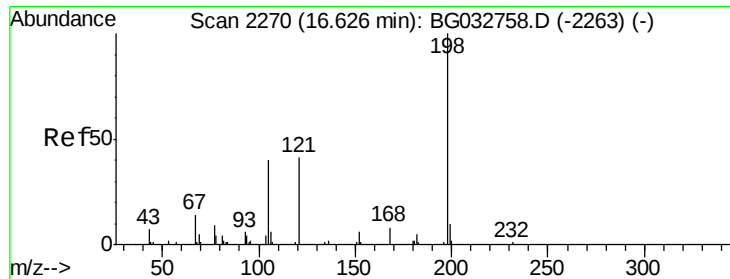
Tot Ion:149 Resp: 2504
Ion Ratio Lower Upper
149 100
177 28.4 18.5 27.7#
150 9.8 10.2 15.2#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:188 Resp: 17382
Ion Ratio Lower Upper
188 100
94 12.5 6.9 10.3#
80 13.0 7.7 11.5#

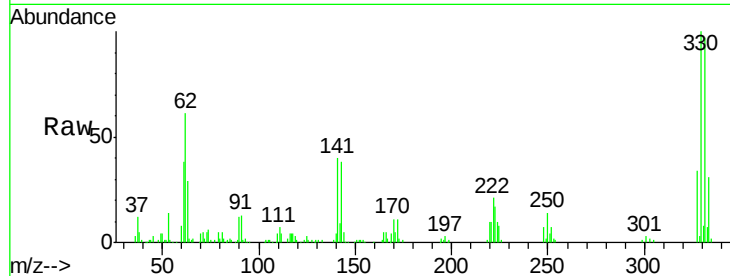




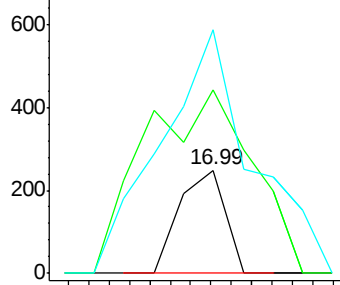
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.648 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG033088.D
 Acq: 12 Mar 2018 14:16

Instrument :
 BNA_G
 ClientSampleId :

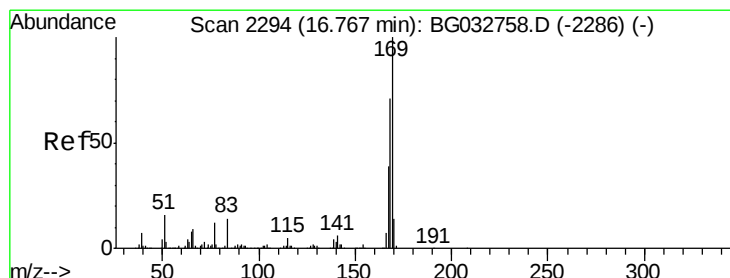
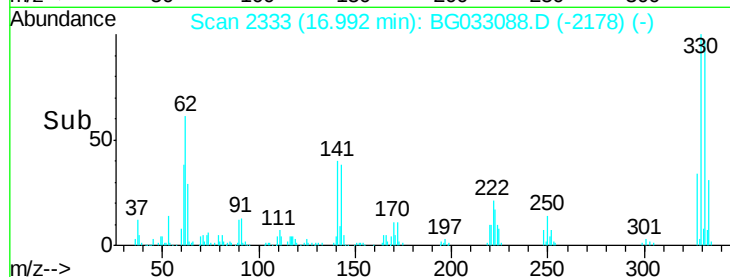
Tot Ion	Ratio	Lower	Upper
198	100		
51	177.9	30.6	70.6#
105	236.1	23.8	63.8#



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

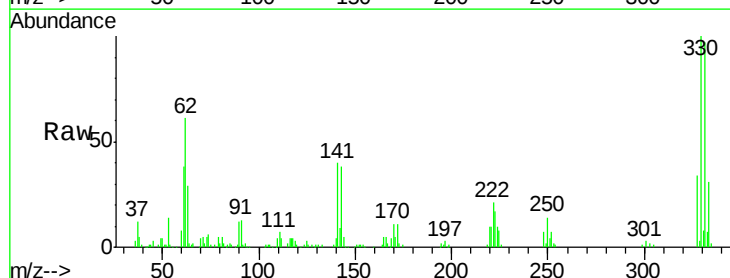


Time-->

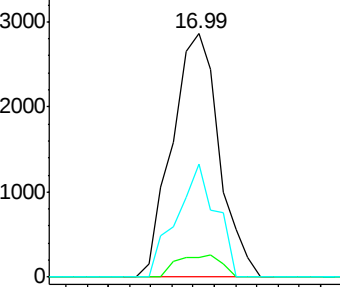


#65
 n-Nitrosodiphenylamine
 Concen: 7.818 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.25 min
 Lab File: BG033088.D
 Acq: 12 Mar 2018 14:16

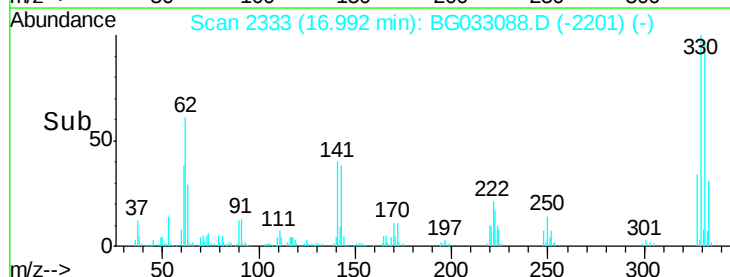
Tgt Ion	Ratio	Lower	Upper
169	100		
168	8.2	55.7	83.5#
167	46.2	30.1	45.1#

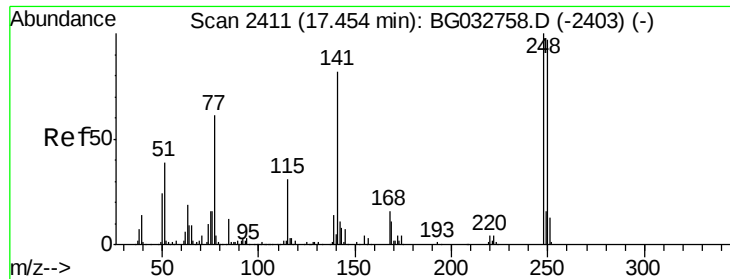


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E



Time-->

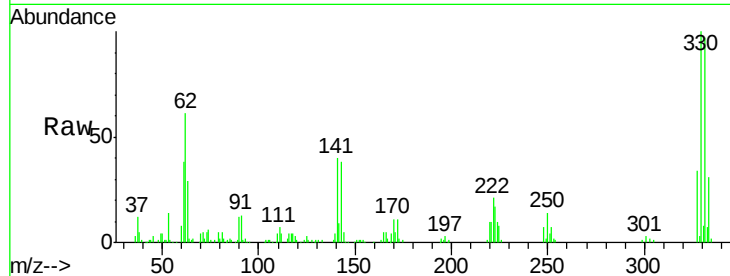




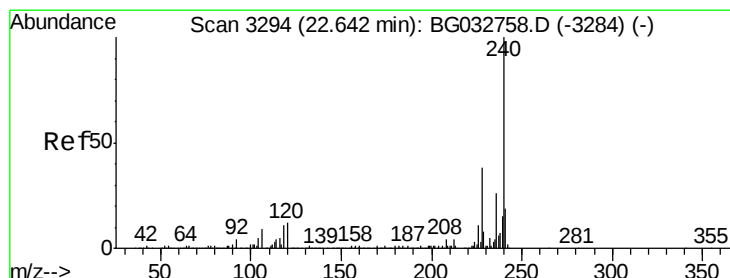
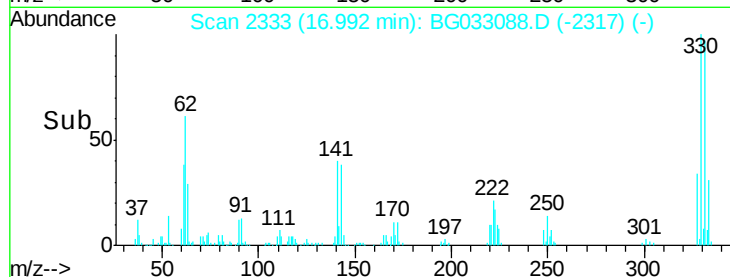
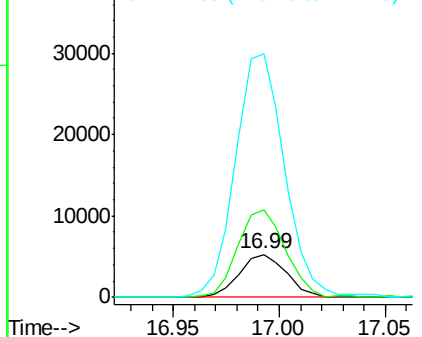
#66
4-Bromophenyl-phenylether
Concen: 44.098 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8105
Ion Ratio Lower Upper
248 100
250 203.8 77.1 115.7#
141 568.1 50.8 76.2#

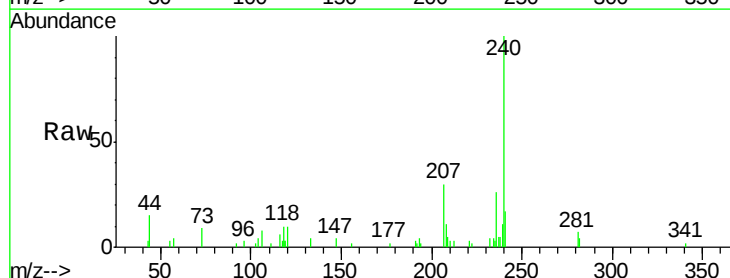


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

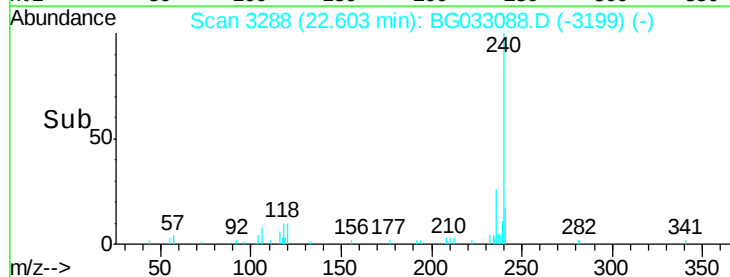
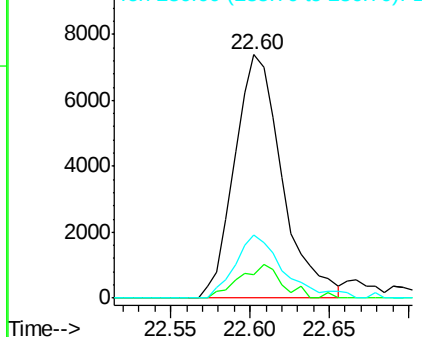


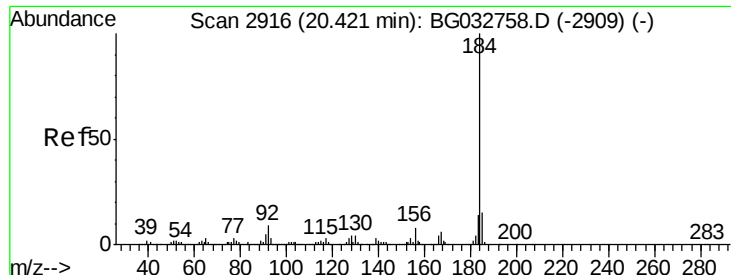
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:240 Resp: 15374
Ion Ratio Lower Upper
240 100
120 9.5 6.8 10.2
236 25.9 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

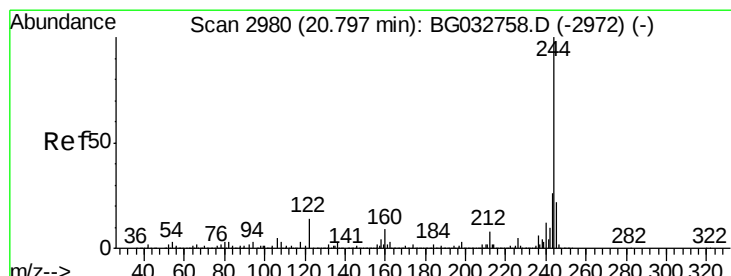
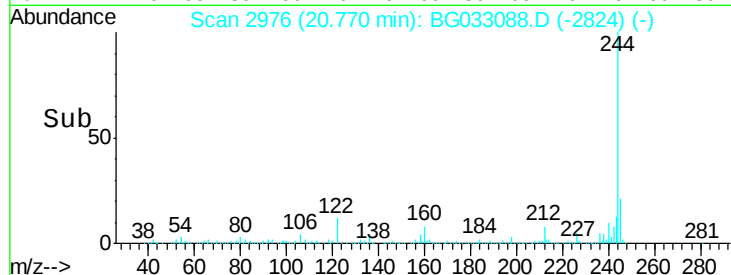
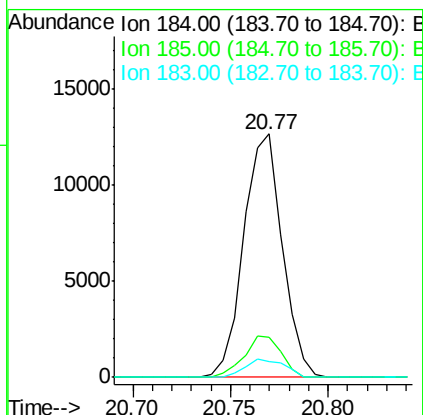
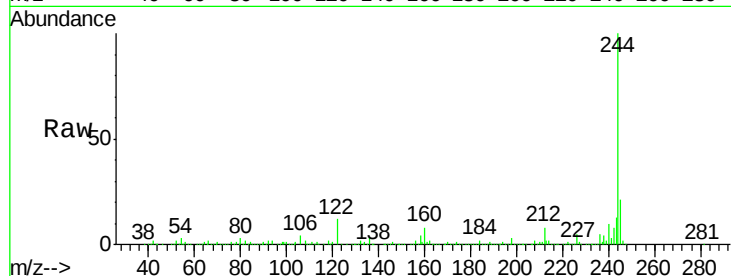




#76
Benzidine
Concen: 33.125 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.36 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

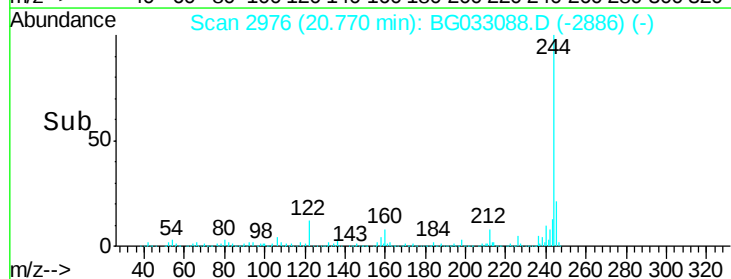
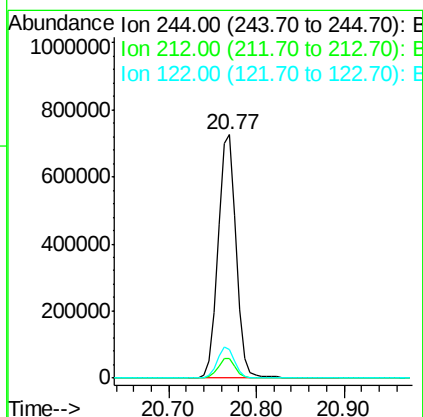
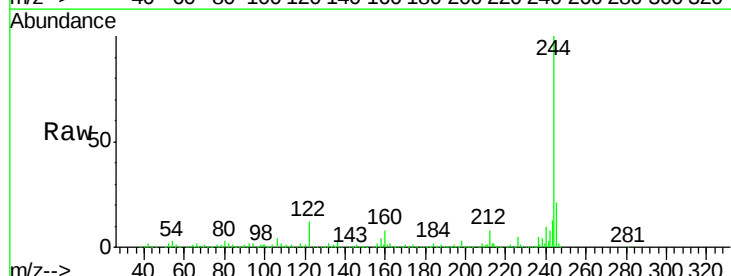
Instrument :
BNA_G
ClientSampleId :

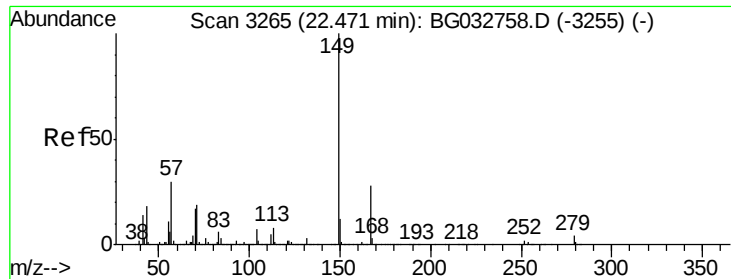
Tot Ion:184 Resp: 17359
Ion Ratio Lower Upper
184 100
185 16.3 11.1 16.7
183 6.4 10.6 16.0#



#78
Terphenyl-d14
Concen: 1523.860 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BG033088.D
Acq: 12 Mar 2018 14:16

Tgt Ion:244 Resp: 1042753
Ion Ratio Lower Upper
244 100
212 8.0 5.8 8.8
122 12.0 7.0 10.4#

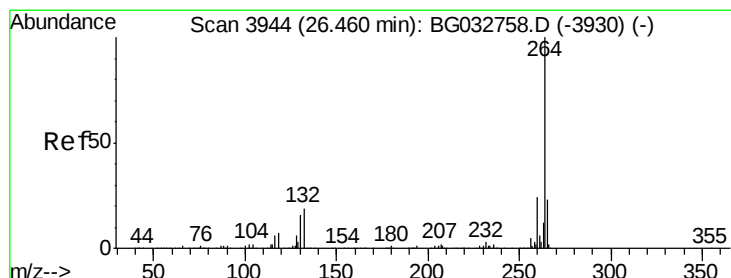
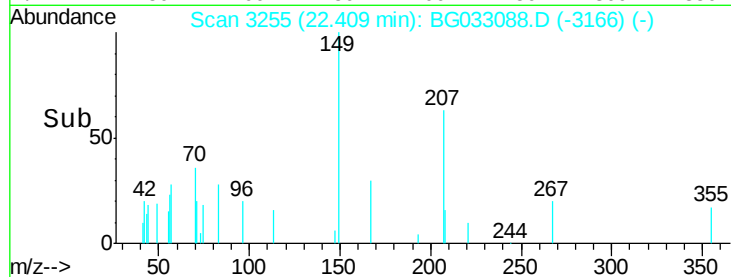
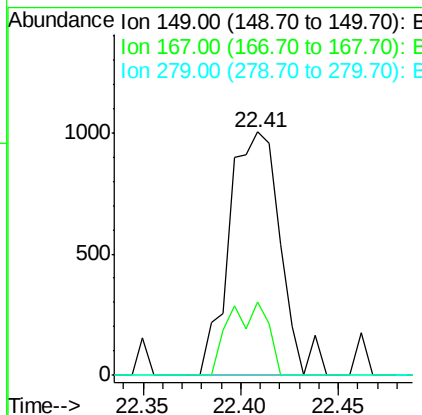
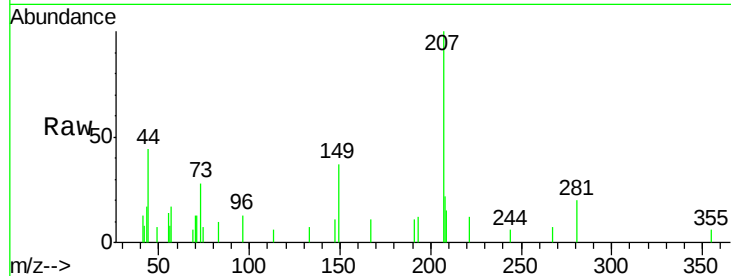




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.549 ng
 RT: 22.41 min Scan# 3255
 Delta R.T. -0.01 min
 Lab File: BG033088.D
 Acq: 12 Mar 2018 14:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:149 Resp: 1814
 Ion Ratio Lower Upper
 149 100
 167 30.0 24.3 36.5
 279 0.0 4.0 6.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3935
 Delta R.T. -0.01 min
 Lab File: BG033088.D
 Acq: 12 Mar 2018 14:16

Tgt Ion:264 Resp: 13016
 Ion Ratio Lower Upper
 264 100
 260 27.0 17.4 26.0#
 265 15.4 17.7 26.5#

