

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033150.D
 Acq On : 14 Mar 2018 17:08
 Operator : SJ/JU
 Sample : J1890-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 17:44:20 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

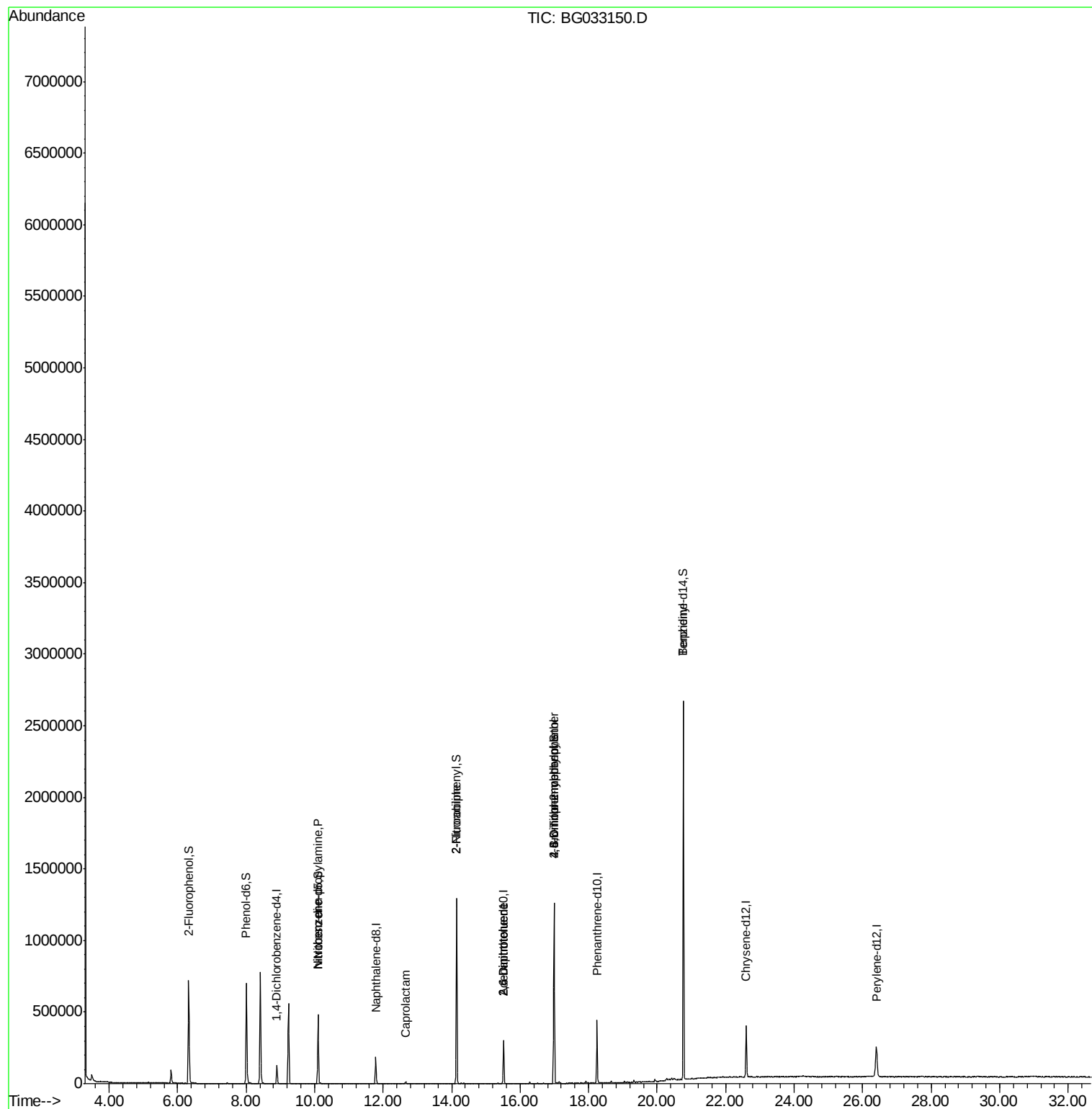
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	38787	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	167804	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	100849	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	257261	20.00	ng	0.00
75) Chrysene-d12	22.60	240	237232	20.00	ng	0.00
86) Perylene-d12	26.40	264	251778	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	341326	140.79	ng	0.00
7) Phenol-d6	8.01	99	428209	126.72	ng	0.00
23) Nitrobenzene-d5	10.10	82	303932	120.95	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	238668	225.08	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	676084	96.69	ng	0.00
78) Terphenyl-d14	20.77	244	1179185	111.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	40845	17.121	ng	# 84
24) Nitrobenzene	10.10	77	908	6.675	ng	# 20
35) Caprolactam	12.65	113	2173	2.337	ng	# 84
47) 2-Nitroaniline	14.15	65	1103	10.364	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	13339	16.565	ng	# 20
56) 2,4-Dinitrotoluene	15.51	165	13339	14.764	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.98	198	707	6.113	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16133	5.931	ng	# 1
76) Benzidine	20.77	184	20836	2.577	ng	# 93

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

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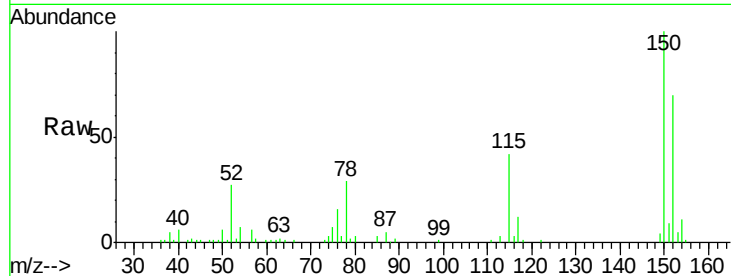


#1

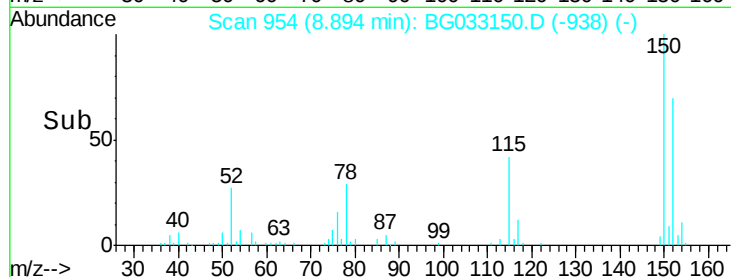
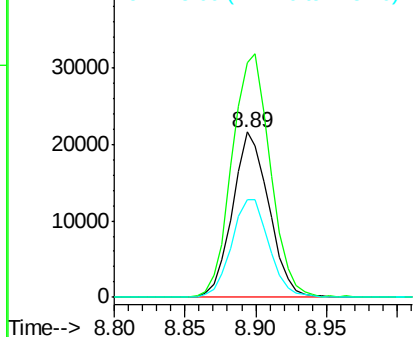
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 38787
Ion Ratio Lower Upper
152 100
150 142.4 126.6 189.8
115 59.1 53.0 79.4



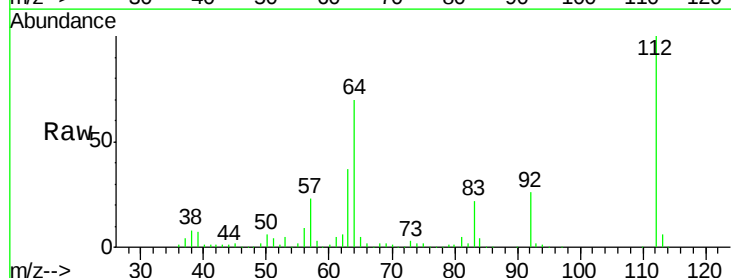
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



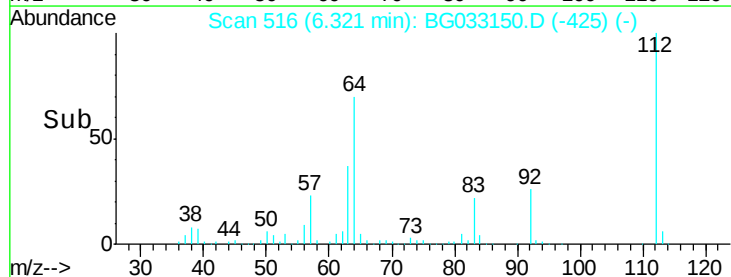
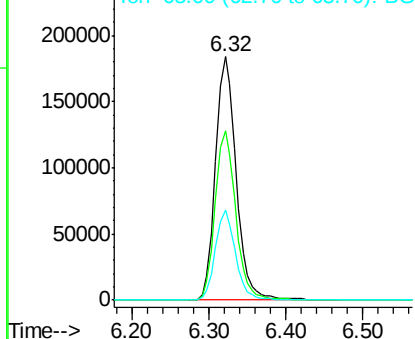
#5

2-Fluorophenol
Concen: 140.787 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Tgt Ion:112 Resp: 341326
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 36.8 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: 126.716 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

Instrument :

BNA_G

ClientSampled :

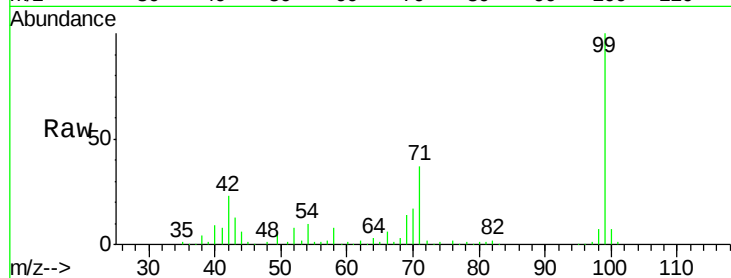
Tot Ion: 99 Resp: 428209

Ion Ratio Lower Upper

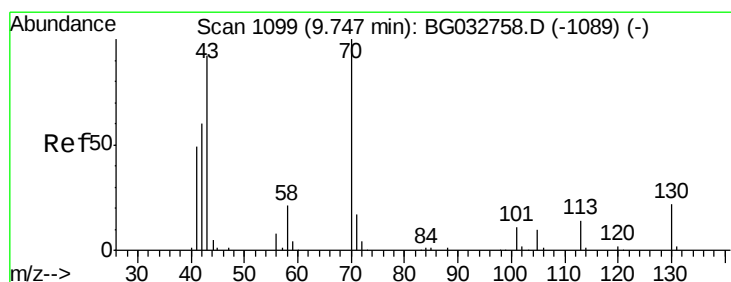
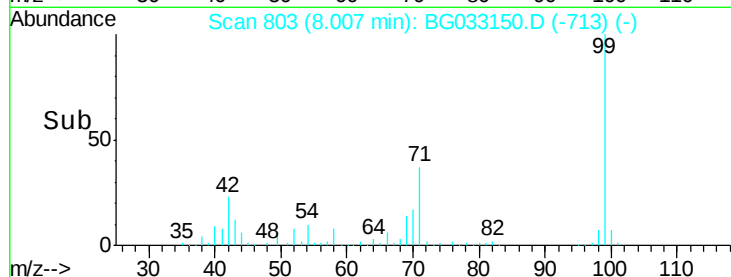
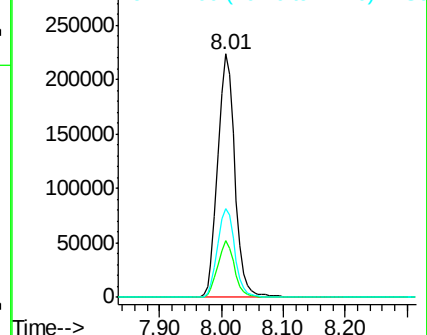
99 100

42 23.3 14.1 21.1#

71 36.7 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: 17.121 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

Tgt Ion: 70 Resp: 40845

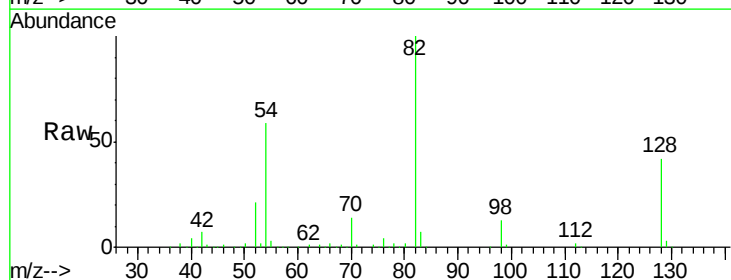
Ion Ratio Lower Upper

70 100

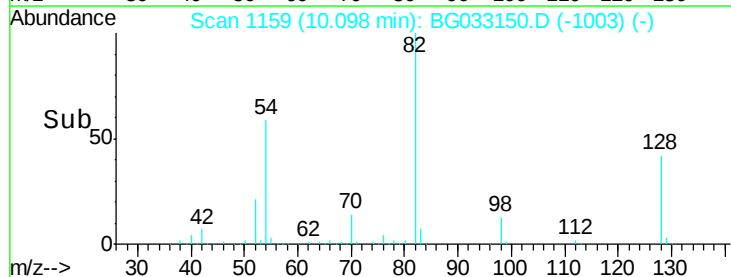
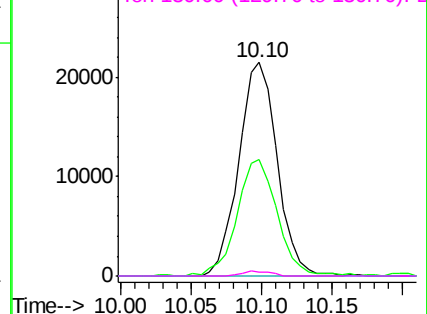
42 54.6 49.1 73.7

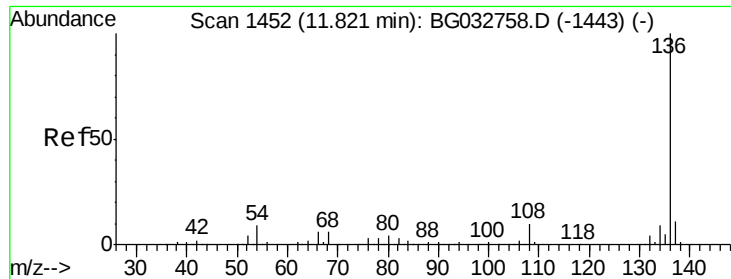
101 0.0 8.5 12.7#

130 1.6 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

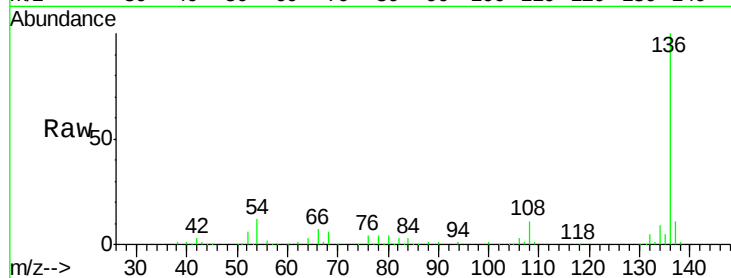




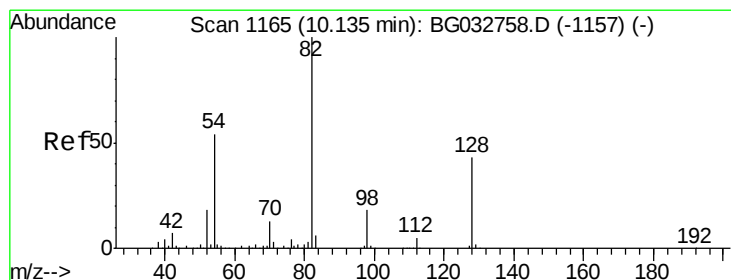
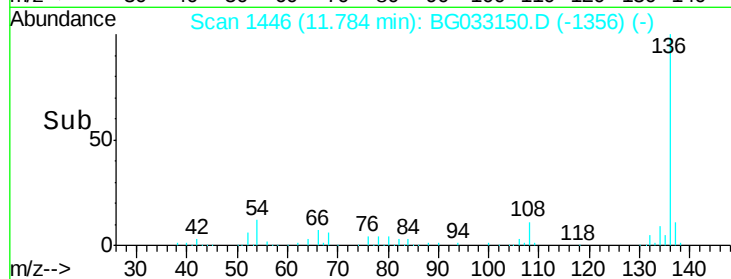
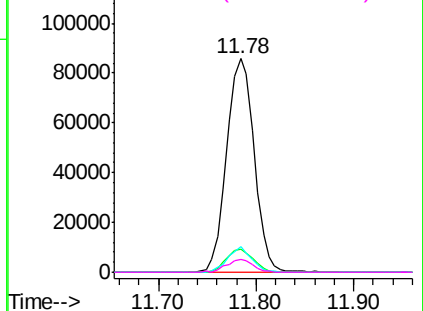
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	167804
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	11.8	10.3	15.5
68	5.9	4.5	6.7

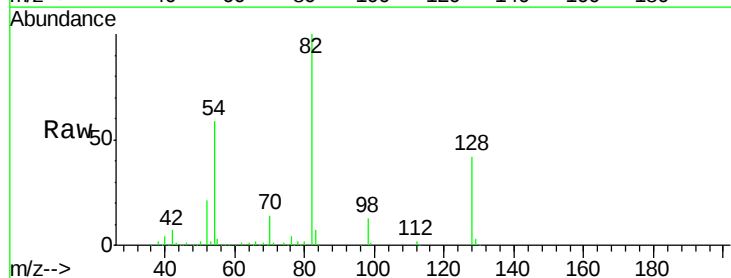


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

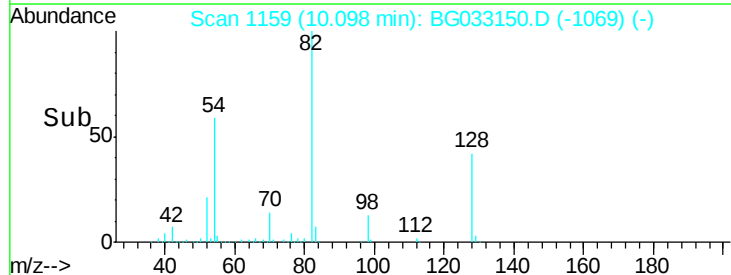
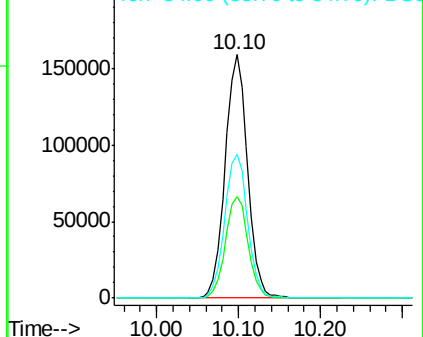


#23
Nitrobenzene-d5
Concen: 120.945 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Tgt Ion:	82	Resp:	303932
Ion	Ratio	Lower	Upper
82	100		
128	41.8	29.7	44.5
54	59.1	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: 6.675 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.04 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

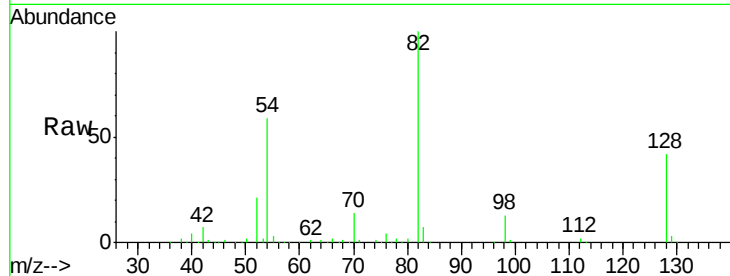
Tot Ion: 77 Resp: 908

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

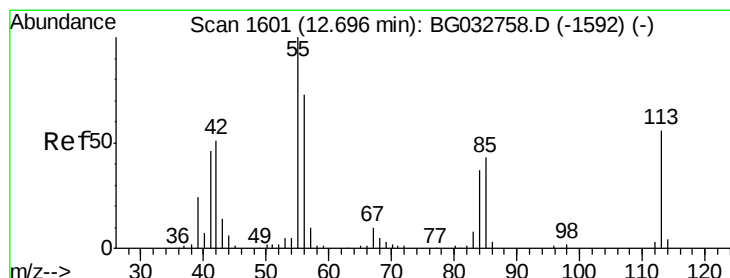
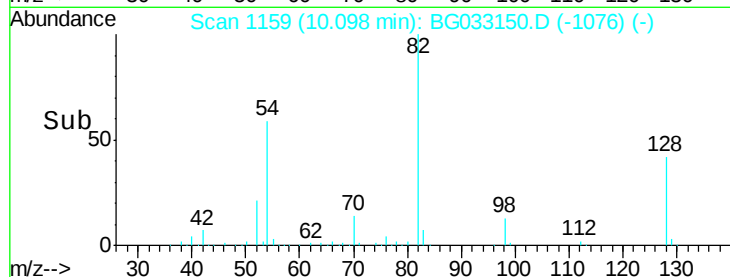
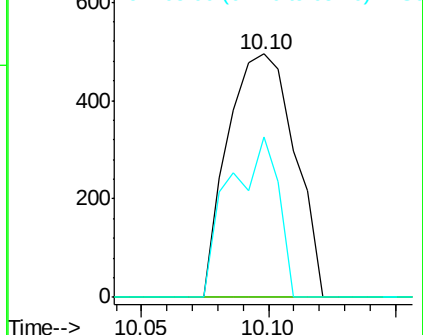
65 65.7 13.0 19.6#



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



#35

Caprolactam

Concen: 2.337 ng

RT: 12.65 min Scan# 1593

Delta R.T. -0.04 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

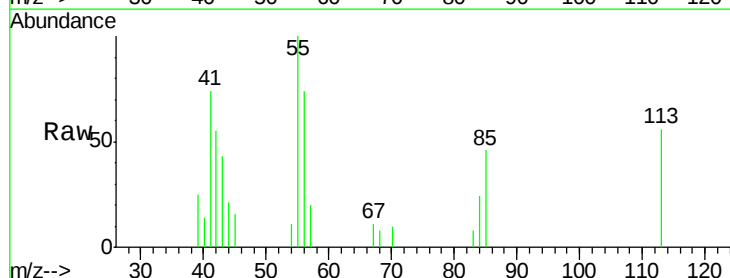
Tgt Ion: 113 Resp: 2173

Ion Ratio Lower Upper

113 100

55 179.9 186.9 226.9#

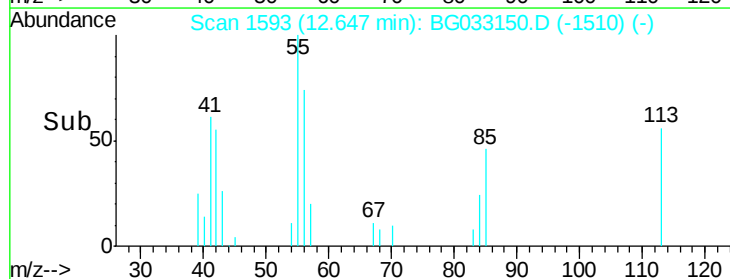
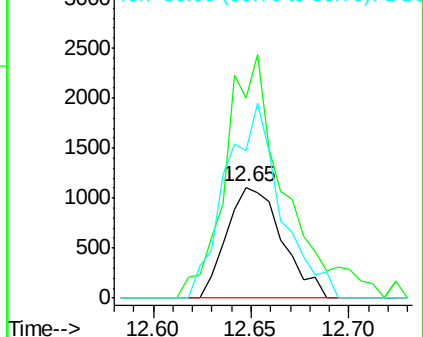
56 132.8 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): BGC

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

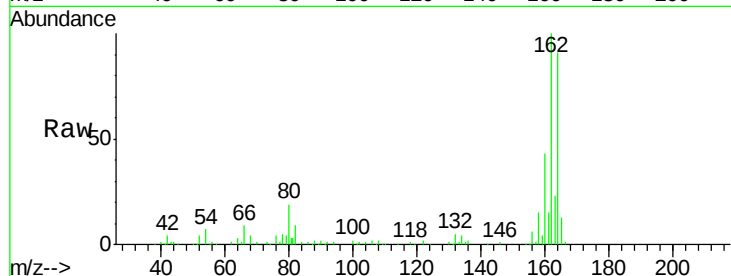
Tot Ion:164 Resp: 100849

Ion Ratio Lower Upper

164 100

162 109.5 78.8 118.2

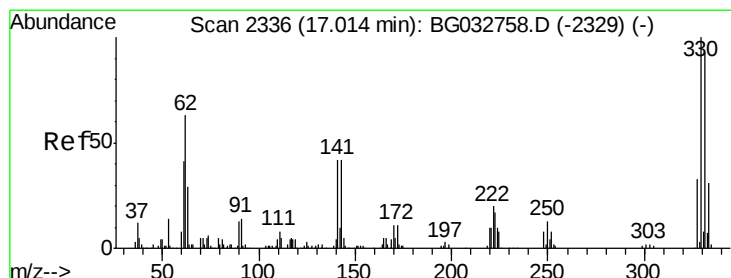
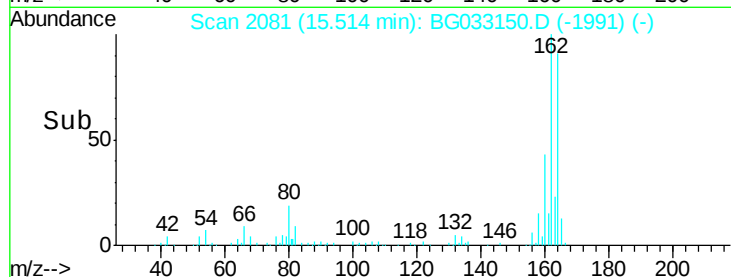
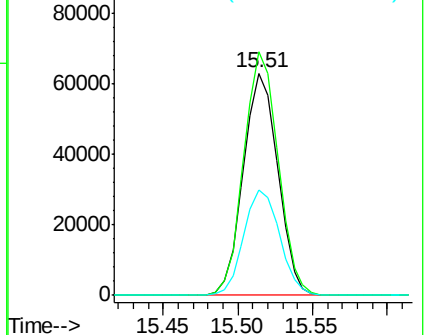
160 47.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 225.075 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

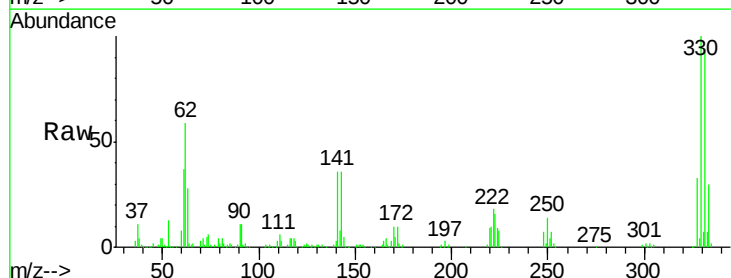
Tgt Ion:330 Resp: 238668

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

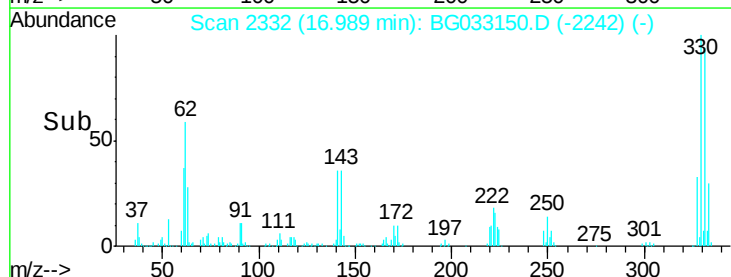
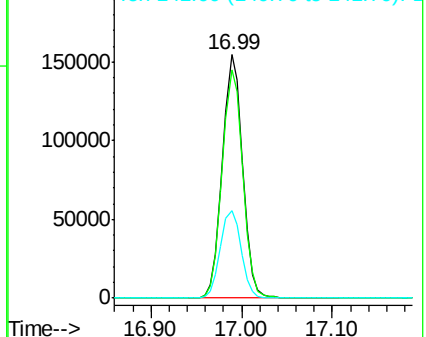
141 37.3 25.2 37.8

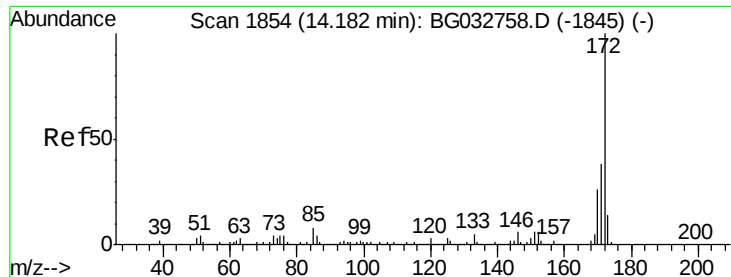


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

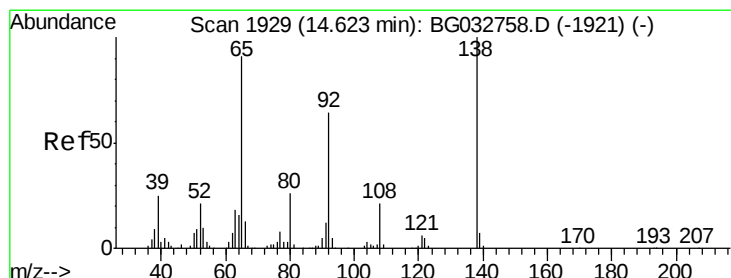
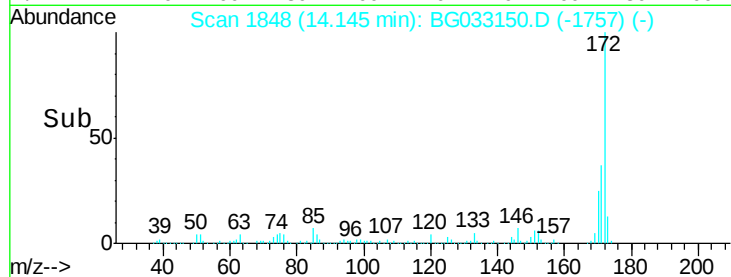
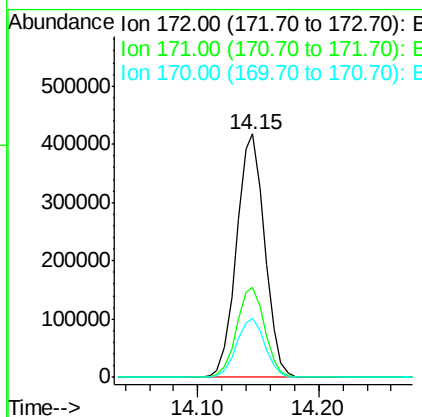
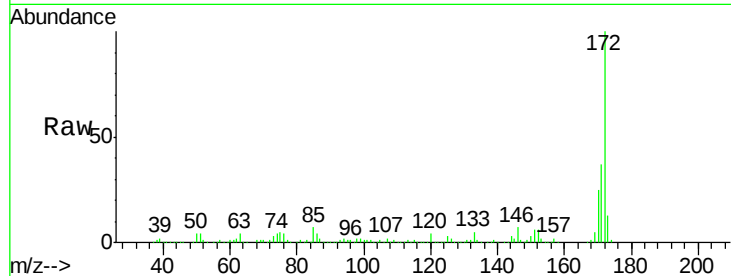




#44
 2-Fluorobiphenyl
 Concen: 96.688 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033150.D
 Acq: 14 Mar 2018 17:08

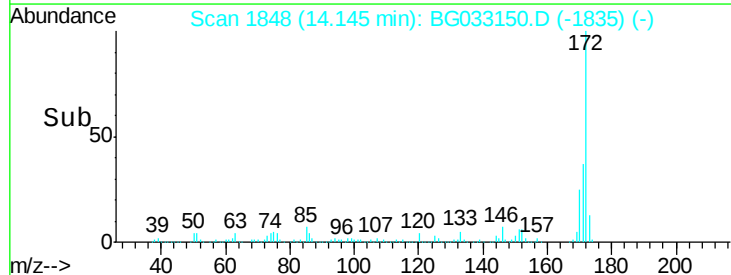
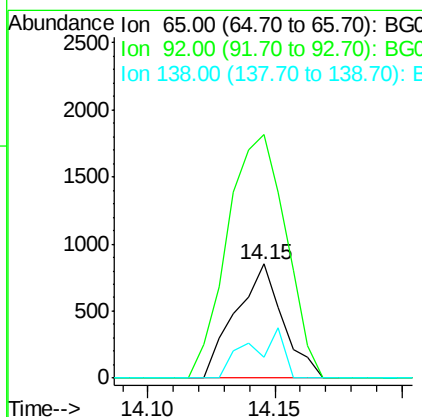
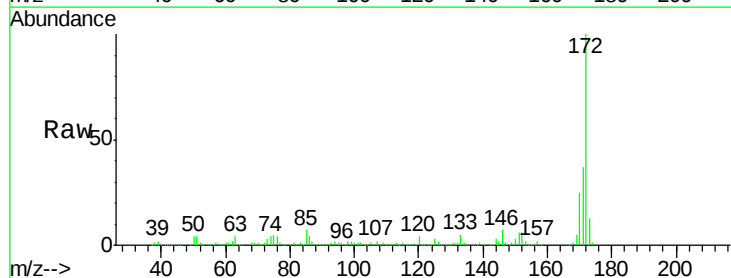
Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 676084
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.6 19.5 29.3



#47
 2-Nitroaniline
 Concen: 10.364 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. -0.46 min
 Lab File: BG033150.D
 Acq: 14 Mar 2018 17:08

Tgt Ion: 65 Resp: 1103
 Ion Ratio Lower Upper
 65 100
 92 213.3 54.6 82.0#
 138 18.3 72.9 109.3#

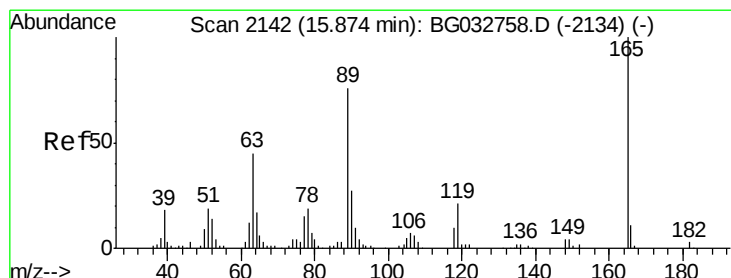
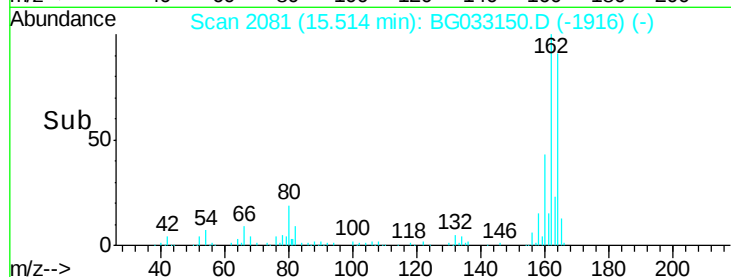
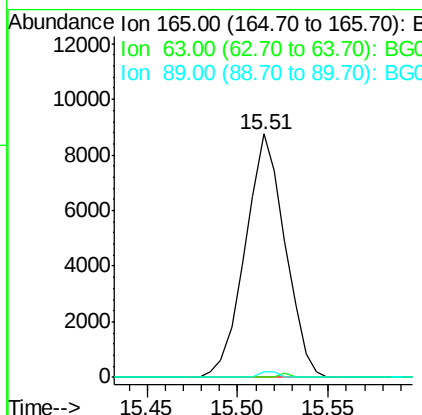
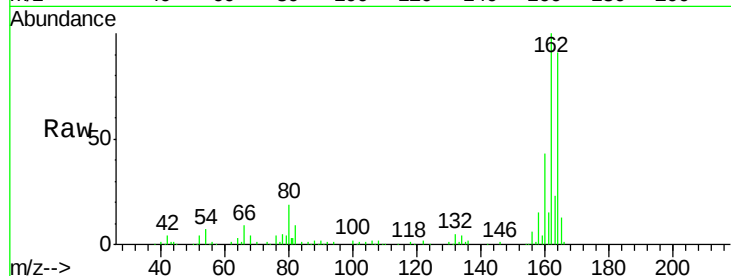




#50
2,6-Dinitrotoluene
Concen: 16.565 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

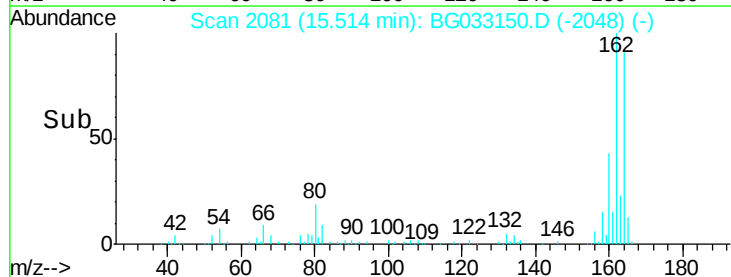
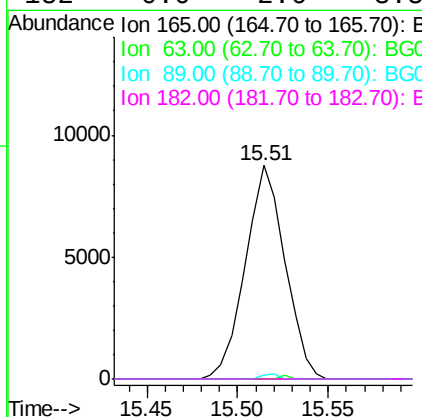
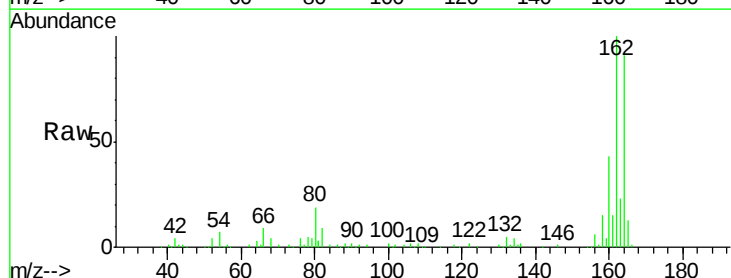
Instrument :
BNA_G
ClientSampleId :

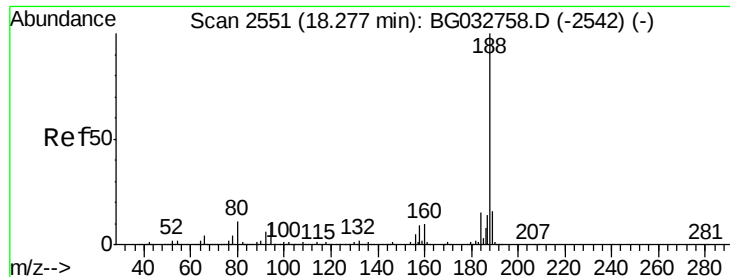
Tot Ion:165 Resp: 13339
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.764 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Tgt Ion:165 Resp: 13339
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

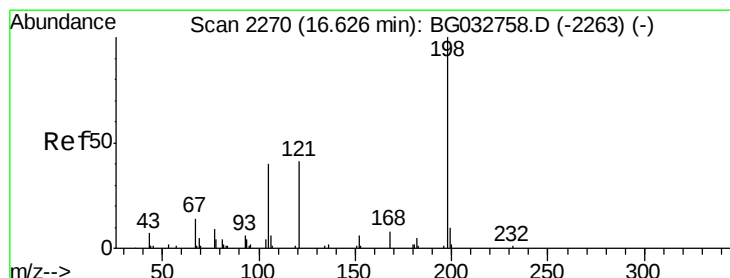
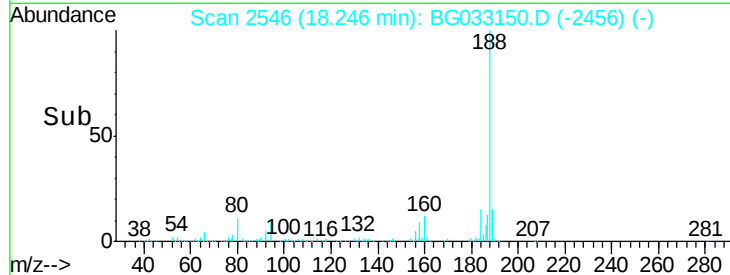
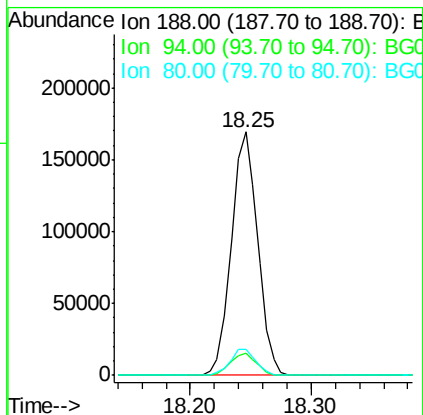
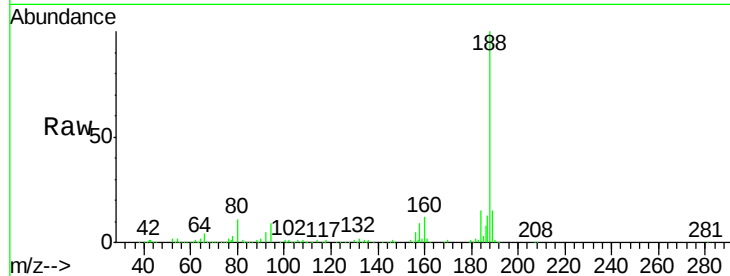




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: BG033150.D
 Acq: 14 Mar 2018 17:08

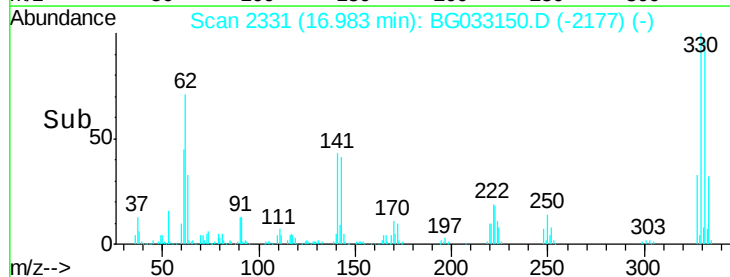
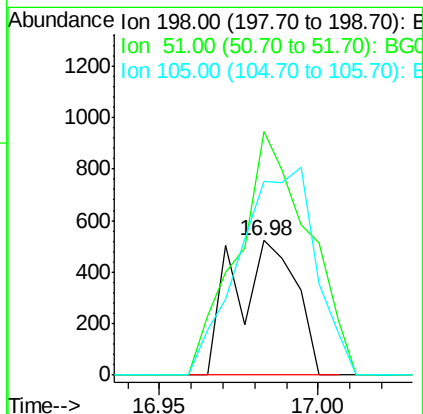
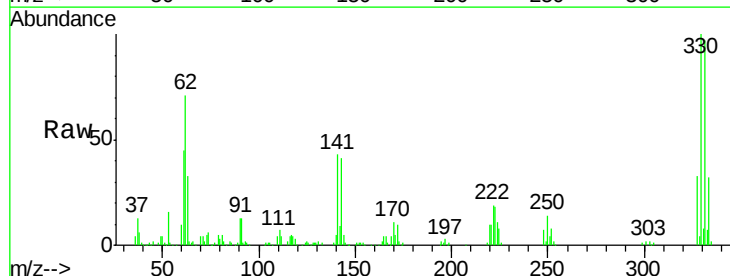
Instrument :
 BNA_G
 ClientSampleId :

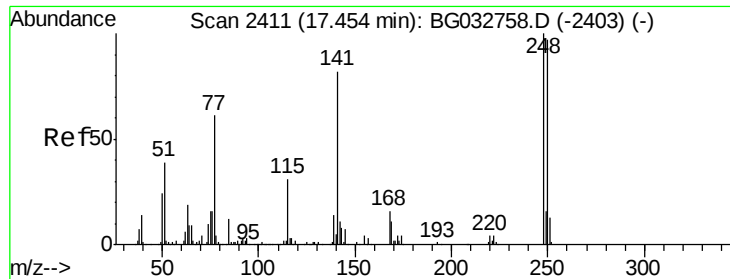
Tot Ion:188 Resp: 257261
 Ion Ratio Lower Upper
 188 100
 94 9.2 6.9 10.3
 80 10.7 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.113 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.37 min
 Lab File: BG033150.D
 Acq: 14 Mar 2018 17:08

Tgt Ion:198 Resp: 707
 Ion Ratio Lower Upper
 198 100
 51 181.0 30.6 70.6#
 105 143.9 23.8 63.8#

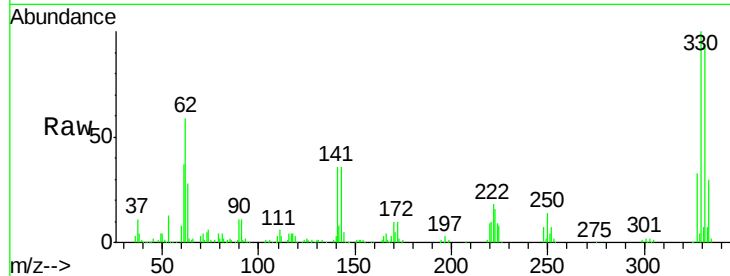




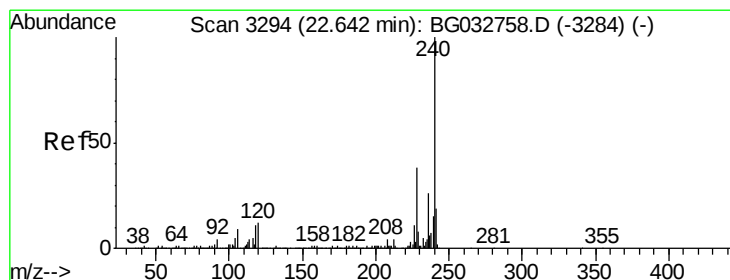
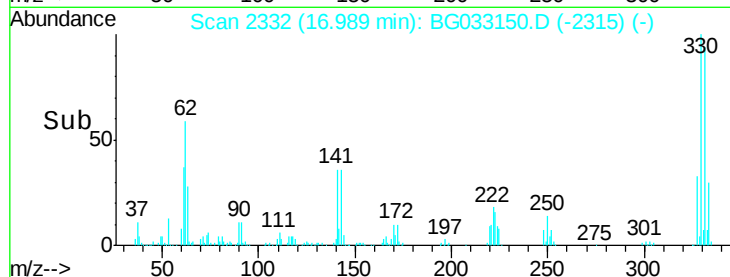
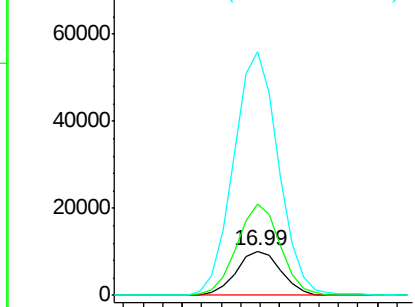
#66
4-Bromophenyl-phenylether
Concen: 5.931 ng
RT: 16.99 min Scan# 2332
Delta R.T. -0.43 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16133
Ion Ratio Lower Upper
248 100
250 206.5 77.1 115.7#
141 549.9 50.8 76.2#

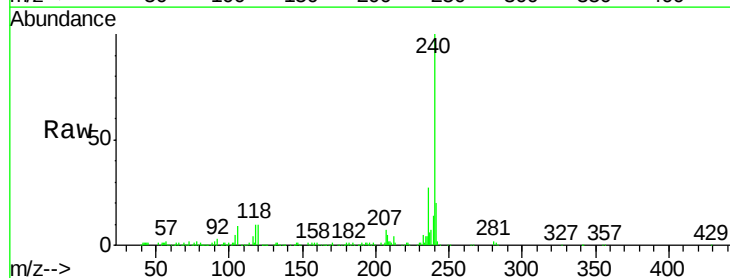


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

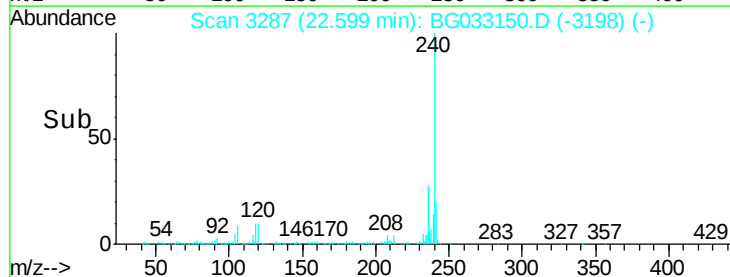
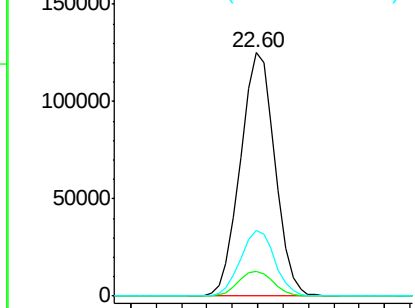


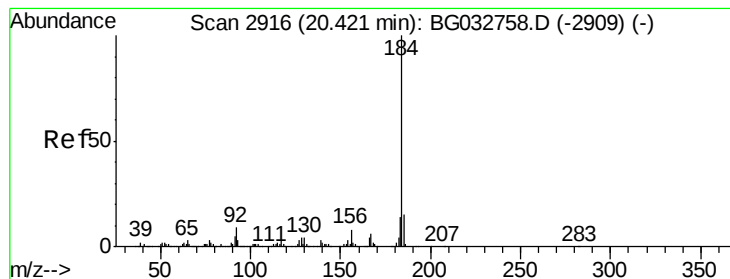
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3287
Delta R.T. -0.01 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Tgt Ion:240 Resp: 237232
Ion Ratio Lower Upper
240 100
120 10.0 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





#76

Benzidine

Concen: 2.577 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.37 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

Instrument :

BNA_G

ClientSampleId :

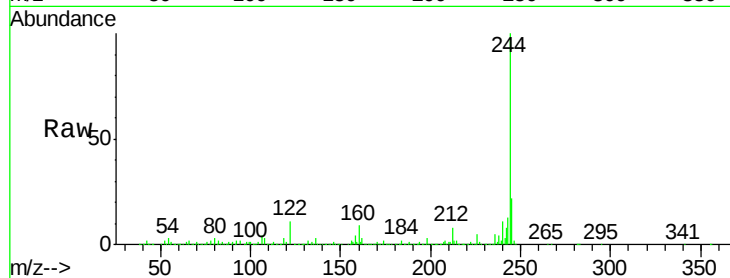
Tot Ion:184 Resp: 20836

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

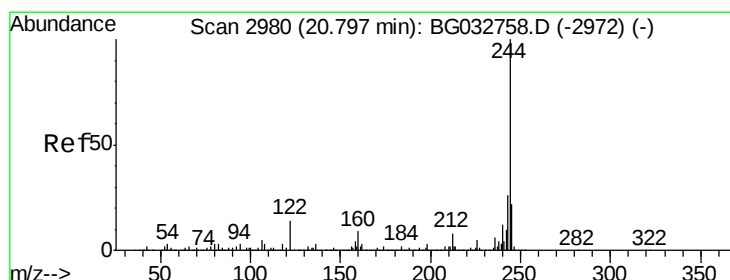
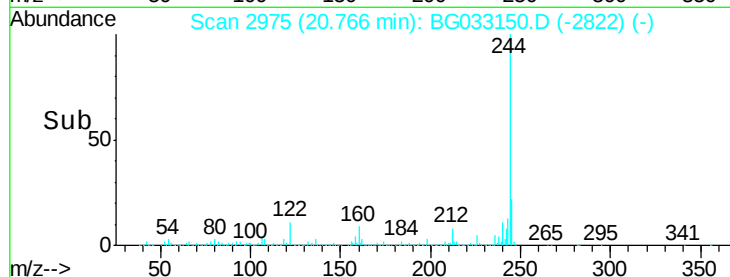
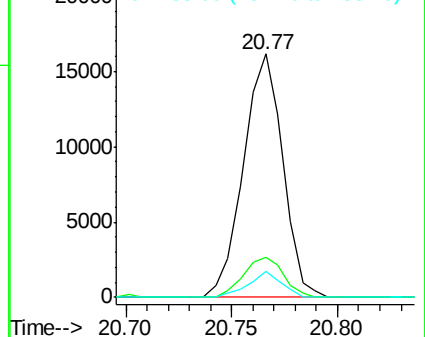
183 10.7 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 111.676 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033150.D

Acq: 14 Mar 2018 17:08

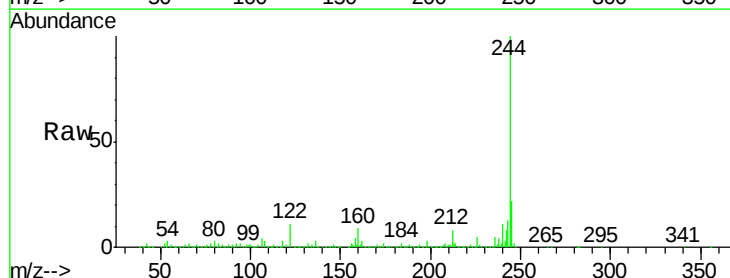
Tgt Ion:244 Resp: 1179185

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

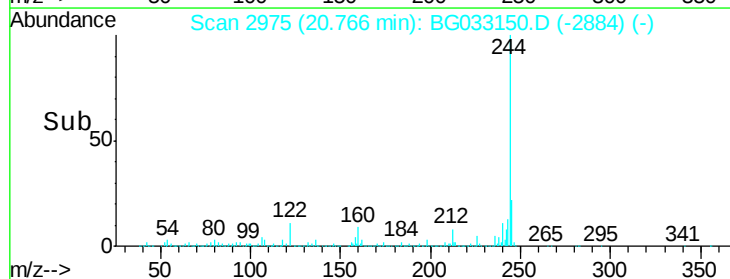
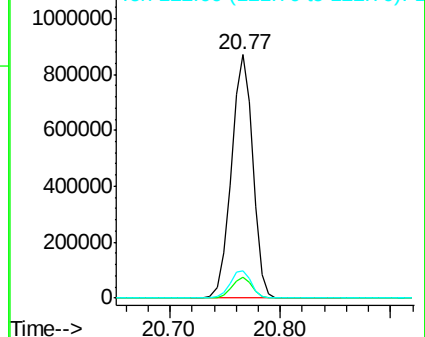
122 11.2 7.0 10.4#

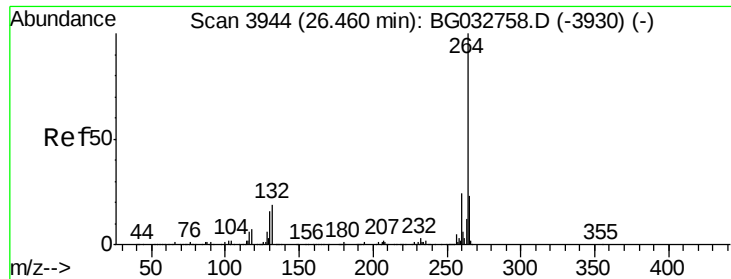


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

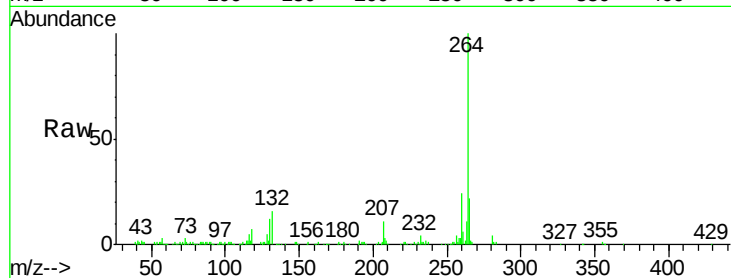




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BG033150.D
Acq: 14 Mar 2018 17:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	22.0	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

