

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033892.D
 Acq On : 20 Apr 2018 18:52
 Operator : SJ/JU
 Sample : PB108385BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB108385BL

Quant Time: Apr 21 05:16:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

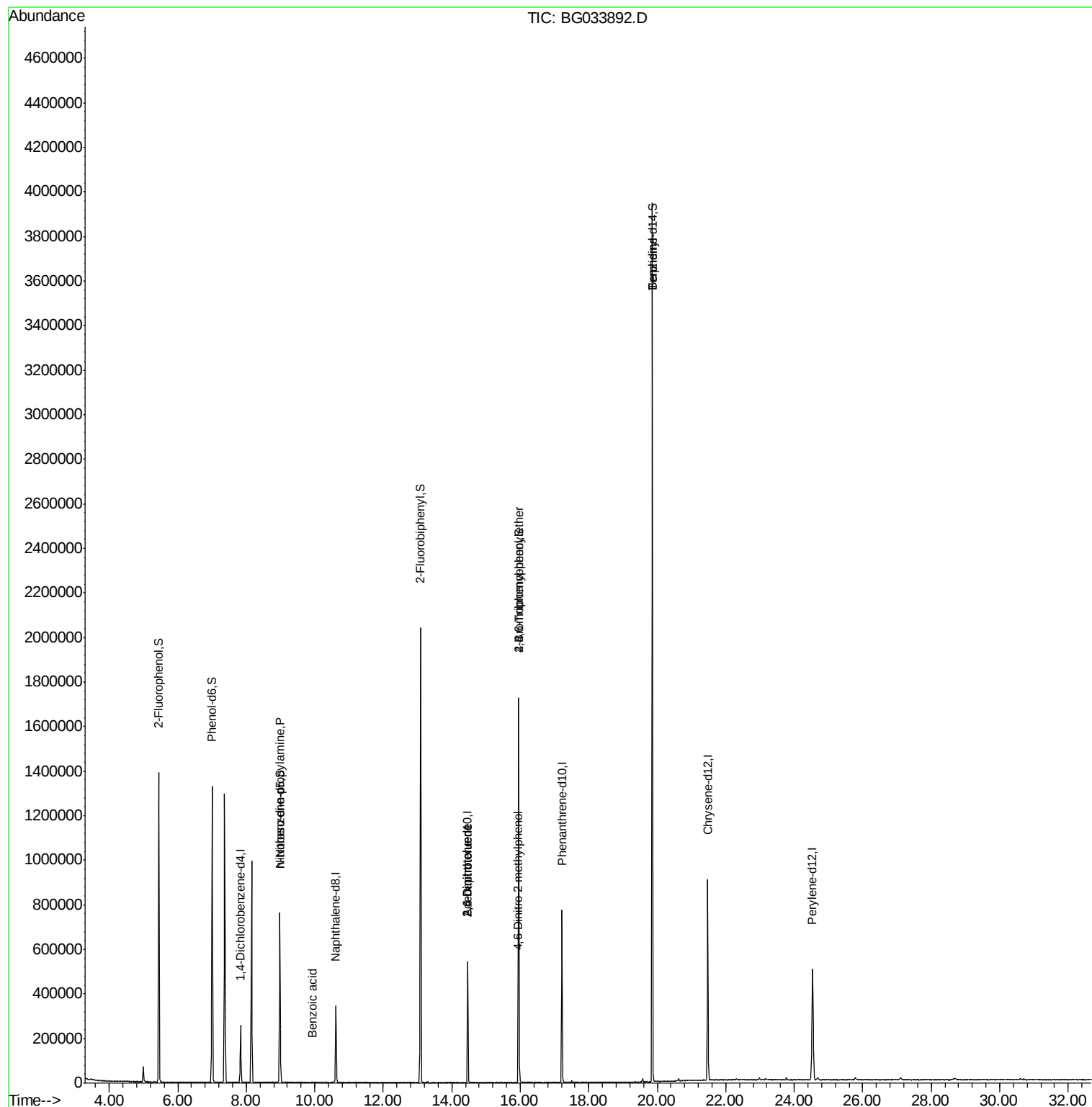
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	68908	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	292184	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	185165	20.00	ng	-0.01
63) Phenanthrene-d10	17.22	188	473828	20.00	ng	0.00
75) Chrysene-d12	21.47	240	512197	20.00	ng	-0.02
86) Perylene-d12	24.54	264	506887	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	565355	130.99	ng	0.00
7) Phenol-d6	7.00	99	737149	117.10	ng	0.00
23) Nitrobenzene-d5	8.98	82	439581	85.62	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	290230	134.35	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1064812	84.48	ng	-0.01
78) Terphenyl-d14	19.86	244	1847048	81.02	ng	0.00
Target Compounds						
9) Benzaldehyde	7.00	77	1399	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	61891	11.534 ng	#	81
32) Benzoic acid	9.93	122	64	5.098 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	23694	7.676 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	23694	5.772 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.93	198	163	6.551 ng	#	42
66) 4-Bromophenyl-phenylether	15.96	248	21875	4.204 ng	#	1
76) Benzydine	19.86	184	29694	2.147 ng		94

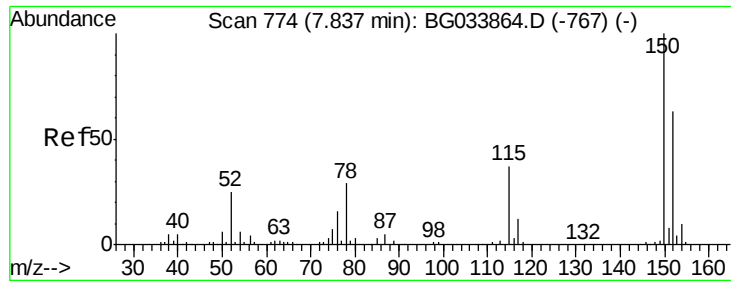
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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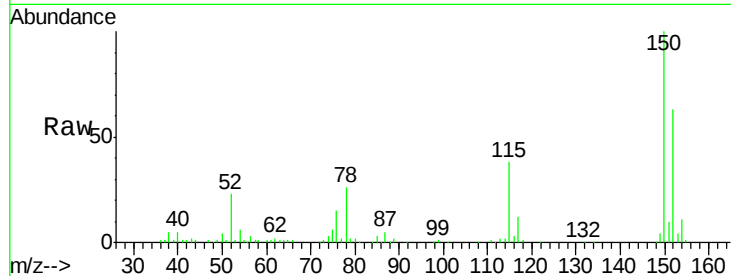


#1

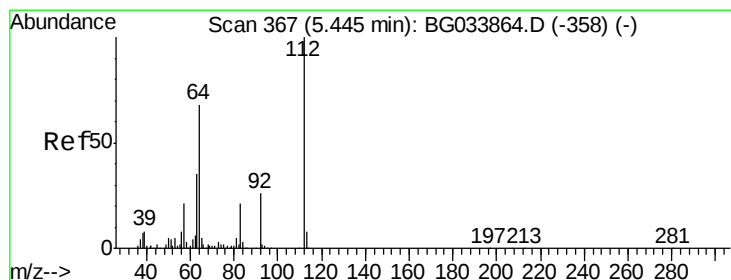
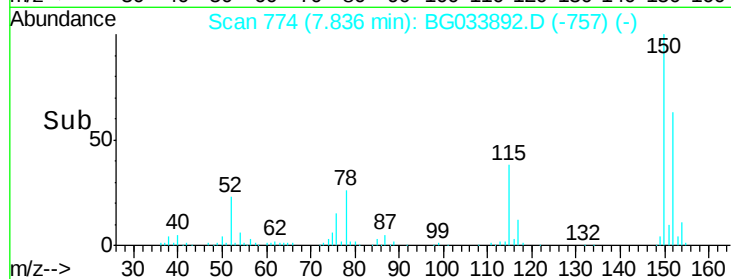
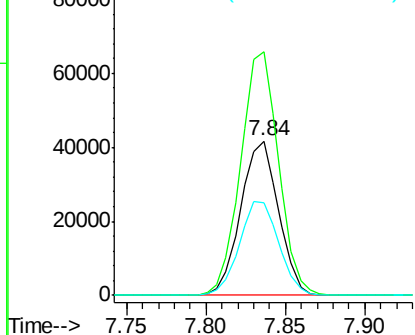
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.84 min Scan# 774
Delta R.T. -0.00 min
Lab File: BG033892.D
Acq: 20 Apr 2018 18:52

Instrument :
BNA_G
ClientSampled :
PB108385BL

Tot Ion:152 Resp: 68908
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 59.6 53.0 79.4



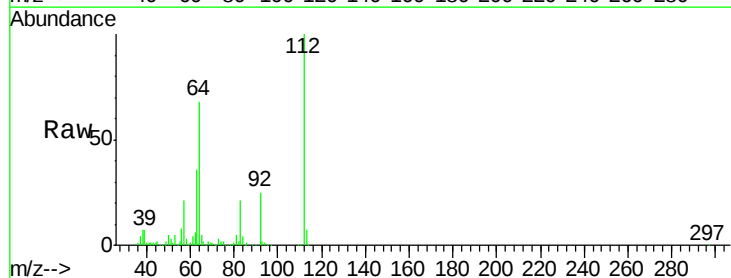
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



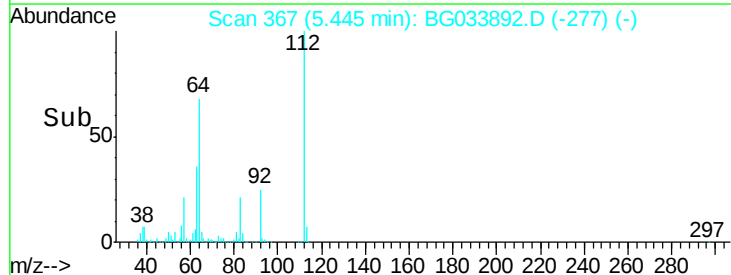
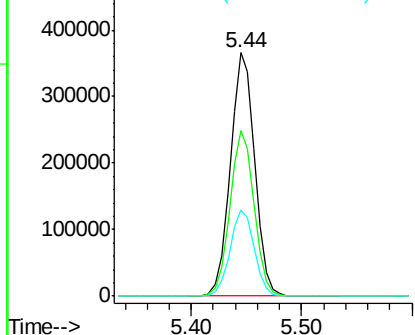
#5

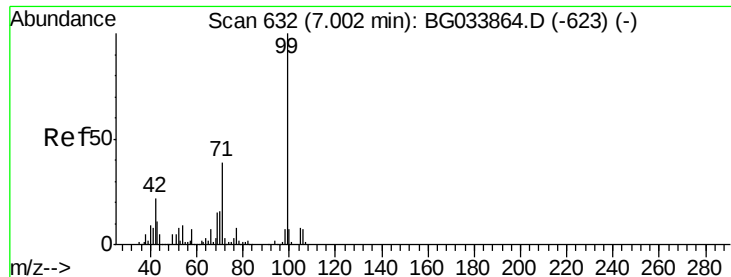
2-Fluorophenol
Concen: 130.987 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033892.D
Acq: 20 Apr 2018 18:52

Tgt Ion:112 Resp: 565355
Ion Ratio Lower Upper
112 100
64 67.9 56.3 84.5
63 35.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 117.095 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

Instrument :

BNA_G

ClientSampleId :

PB108385BL

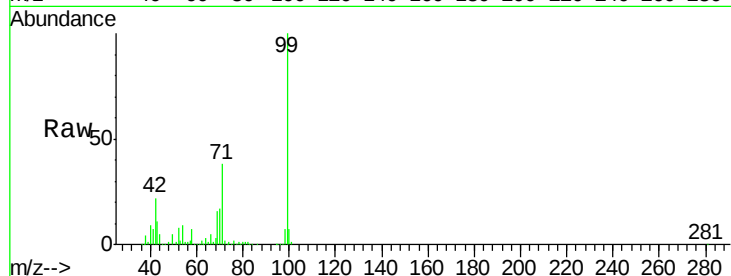
Tot Ion: 99 Resp: 737149

Ion Ratio Lower Upper

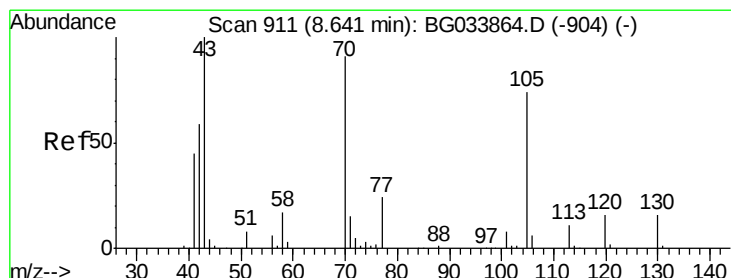
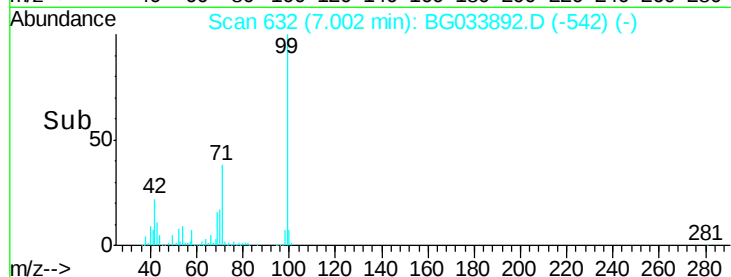
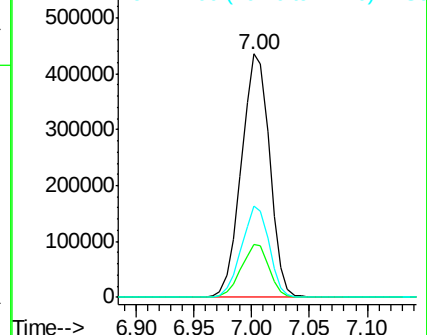
99 100

42 21.6 14.1 21.1#

71 37.6 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: 11.534 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

Tgt Ion: 70 Resp: 61891

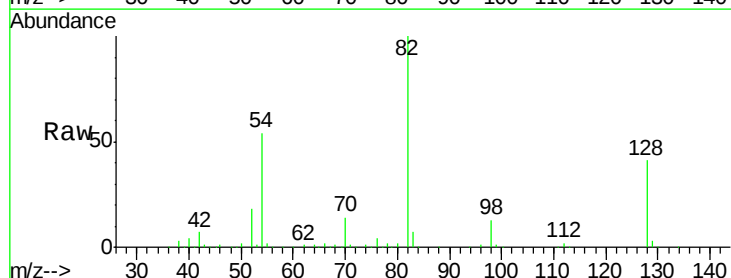
Ion Ratio Lower Upper

70 100

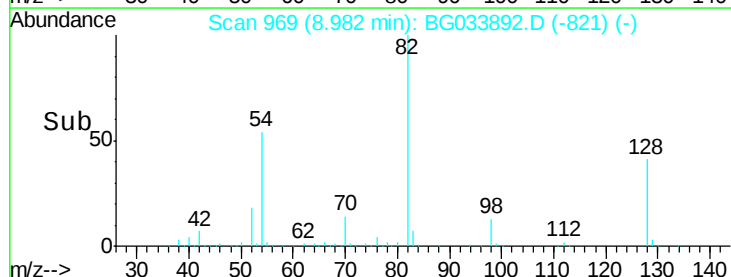
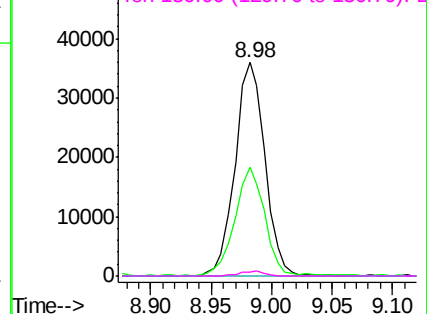
42 51.1 49.1 73.7

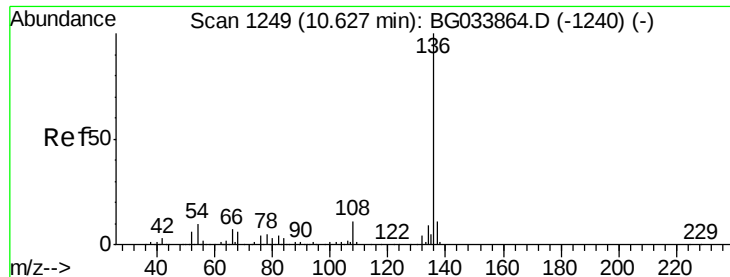
101 0.0 8.5 12.7#

130 1.9 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.62 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

Instrument :

BNA_G

ClientSampleId :

PB108385BL

Tot Ion:136 Resp: 292184

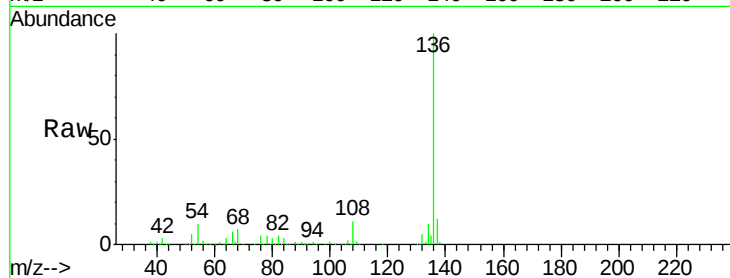
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 9.9 10.3 15.5#

68 6.7 4.5 6.7

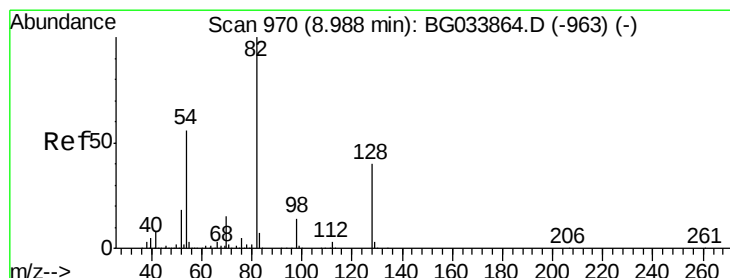
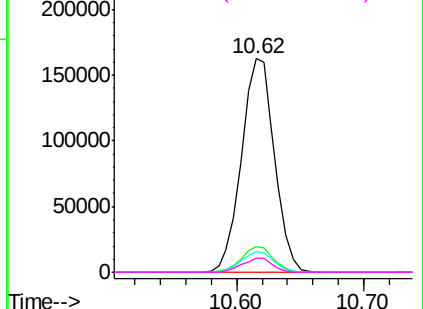
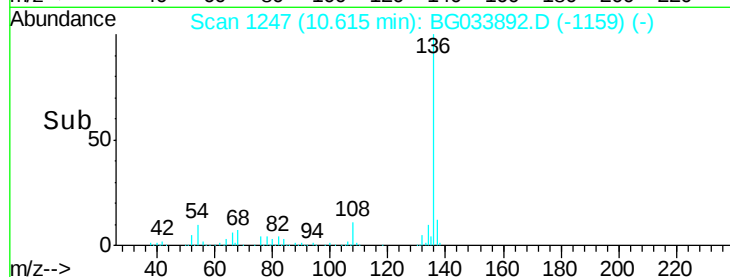


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.619 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

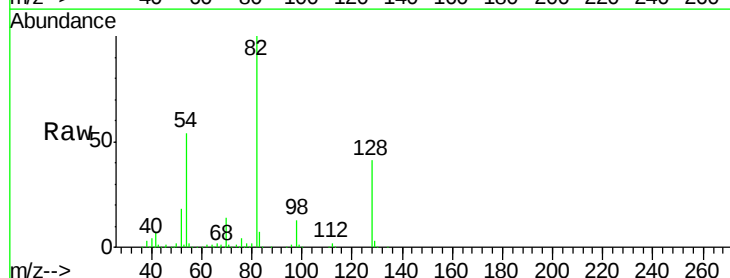
Tgt Ion: 82 Resp: 439581

Ion Ratio Lower Upper

82 100

128 40.5 29.7 44.5

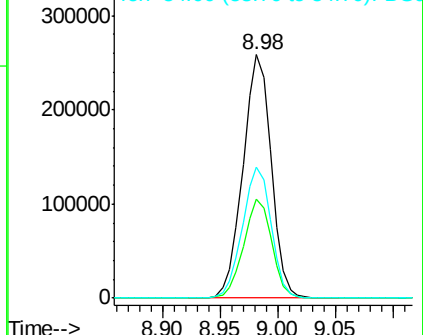
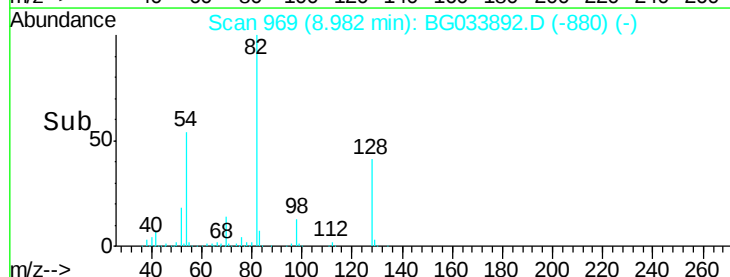
54 53.8 43.1 64.7

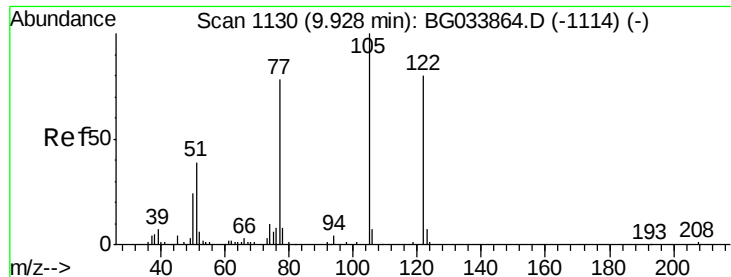


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.098 ng

RT: 9.93 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

Instrument :

BNA_G

ClientSampled :

PB108385BL

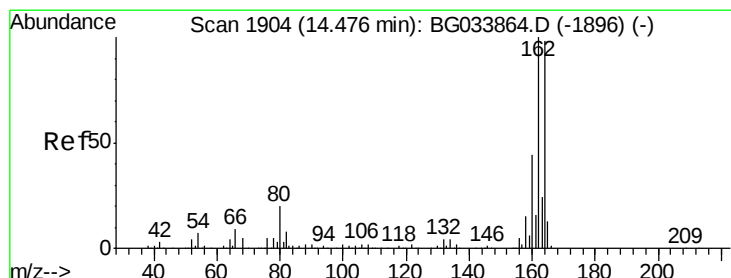
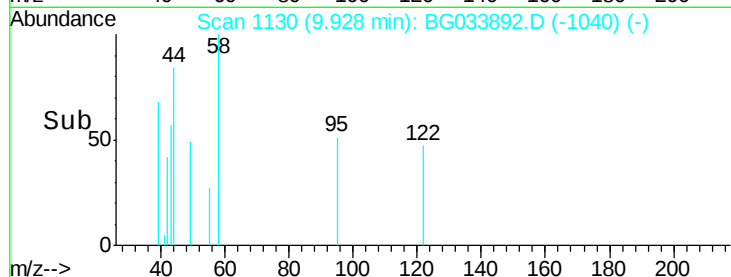
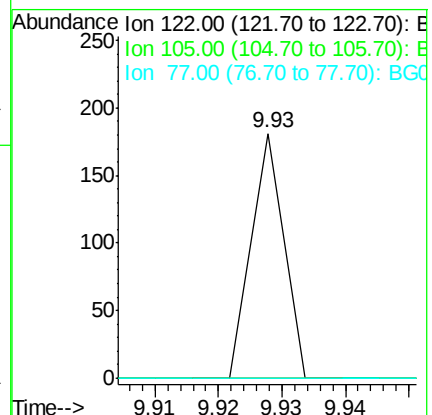
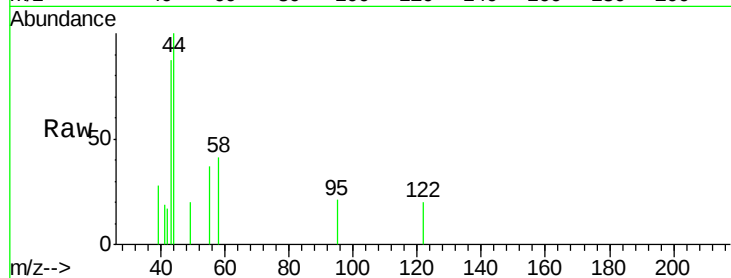
Tot Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

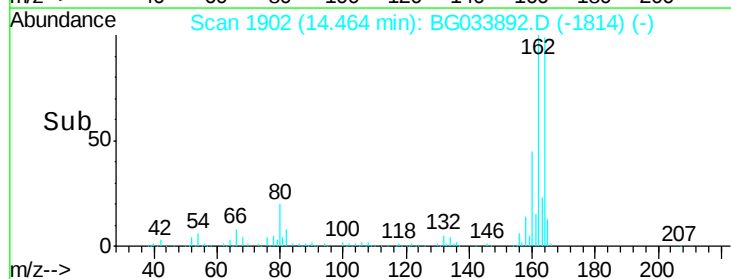
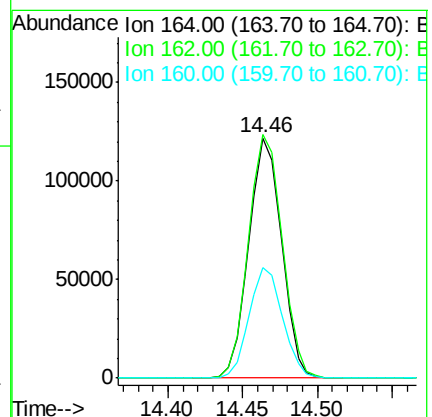
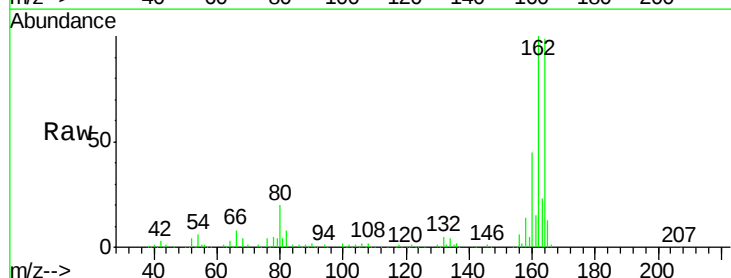
Tgt Ion:164 Resp: 185165

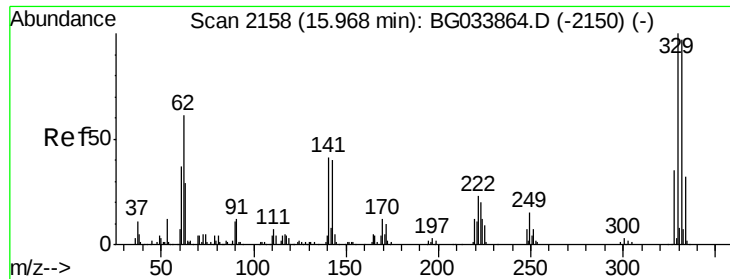
Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

160 45.9 35.4 53.0

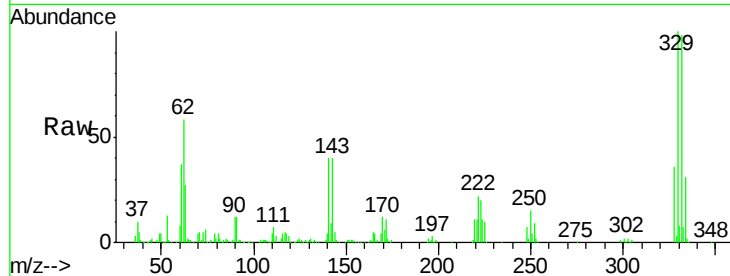




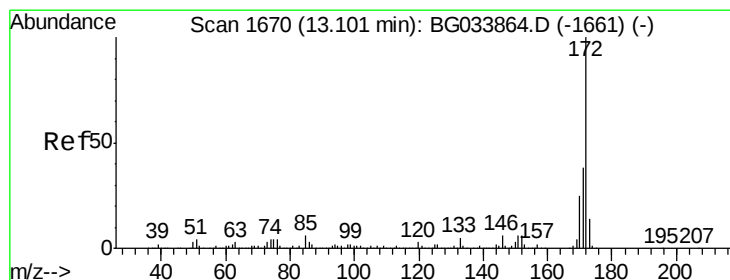
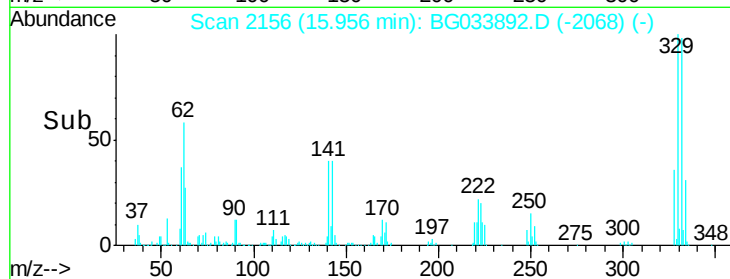
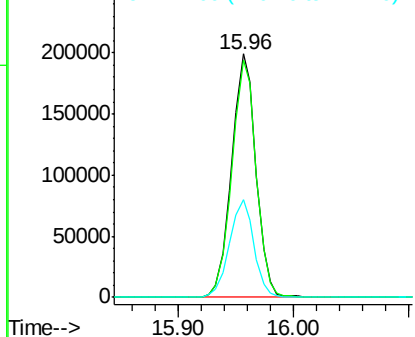
#41
 2,4,6-Tribromophenol
 Concen: 134.350 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

Instrument :
 BNA_G
 ClientSampleId :
 PB108385BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	40.0	25.2	37.8#

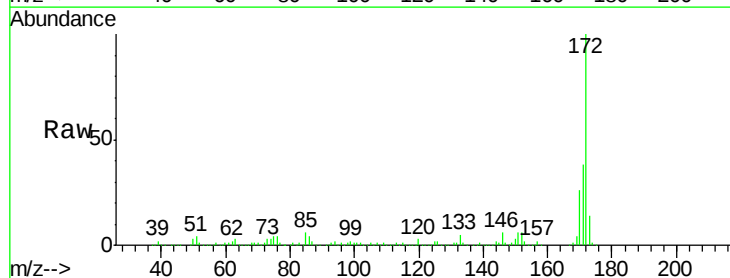


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

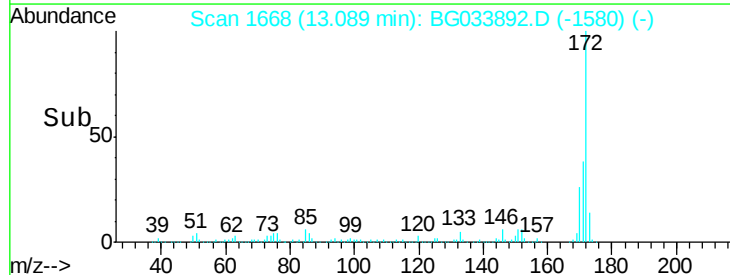
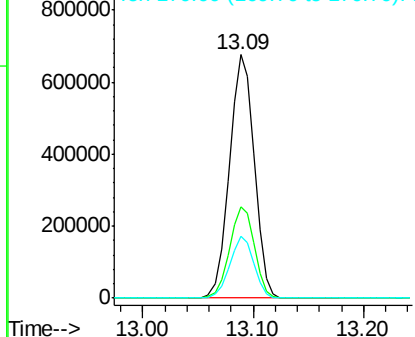


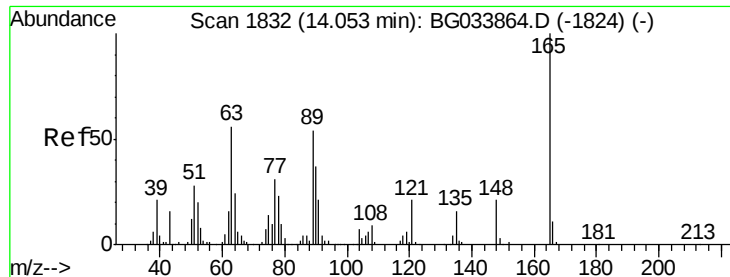
#44
 2-Fluorobiphenyl
 Concen: 84.478 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	25.6	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

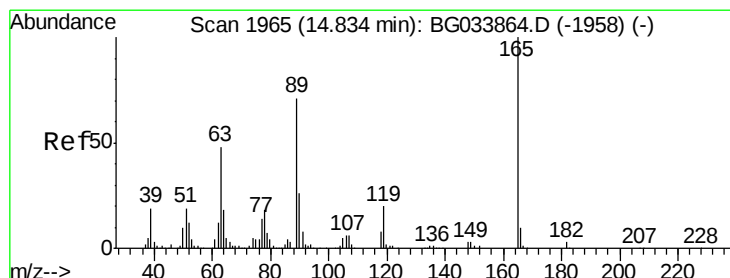
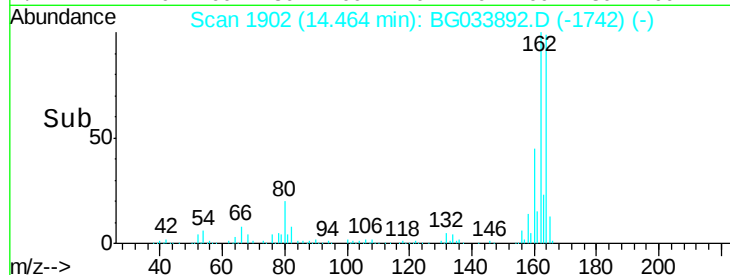
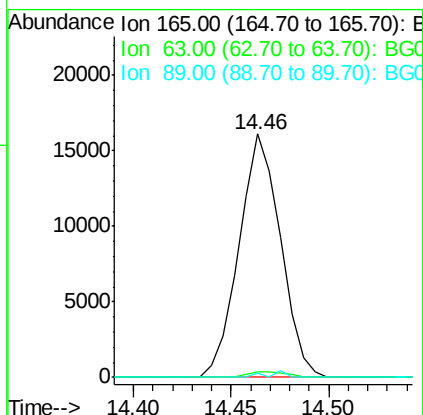
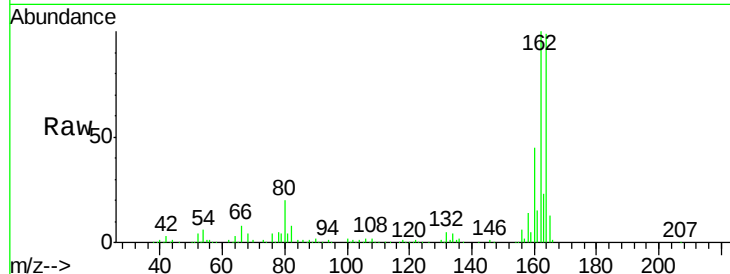




#50
 2,6-Dinitrotoluene
 Concen: 7.676 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

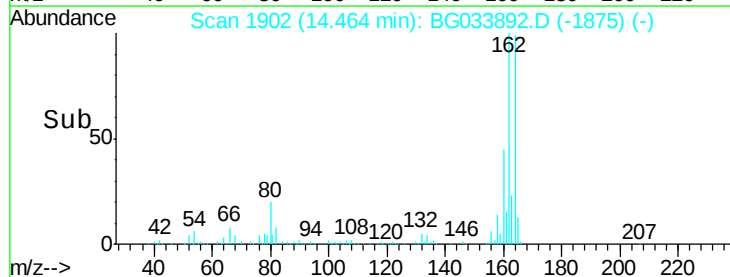
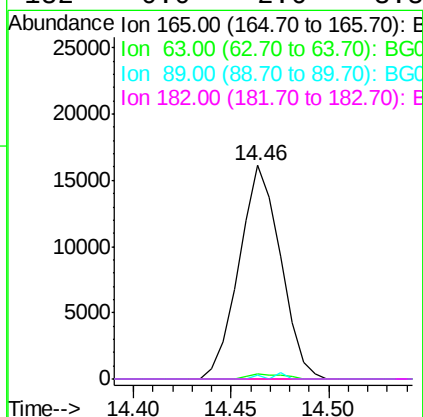
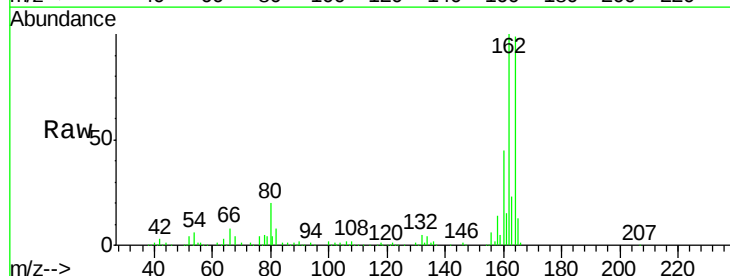
Instrument :
 BNA_G
 ClientSampleId :
 PB108385BL

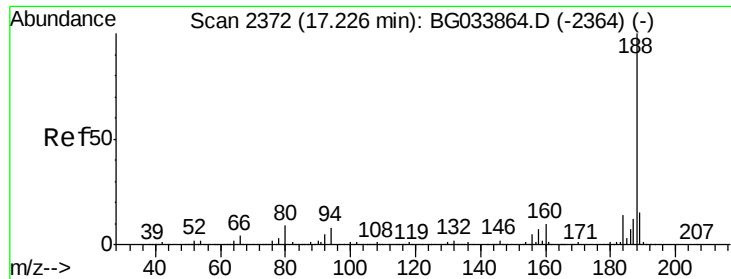
Tot Ion:165 Resp: 23694
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 1.8 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.772 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

Tgt Ion:165 Resp: 23694
 Ion Ratio Lower Upper
 165 100
 63 2.1 42.0 63.0#
 89 1.8 66.9 100.3#
 182 0.0 2.6 3.8#

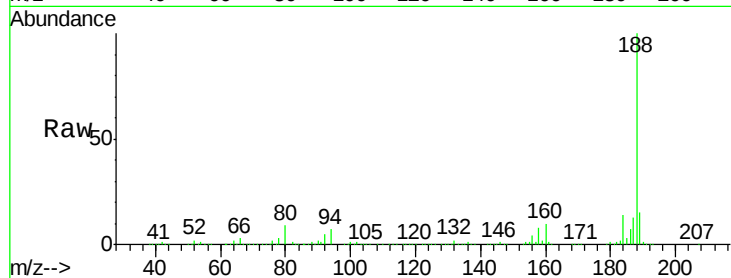




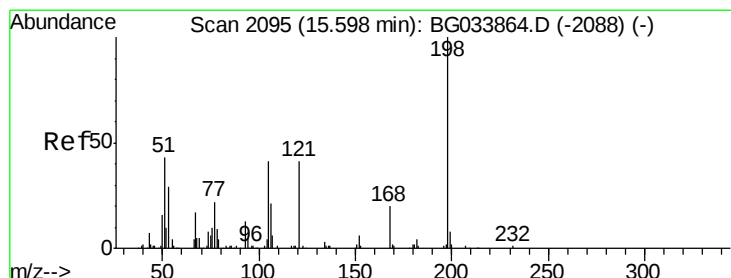
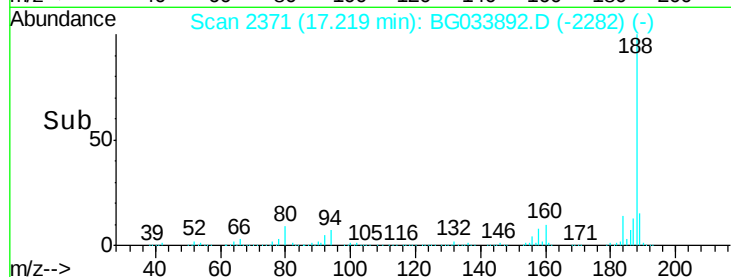
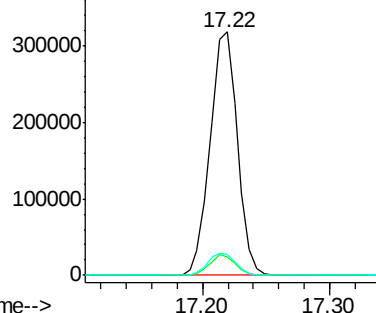
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.22 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

Instrument :
 BNA_G
 ClientSampleId :
 PB108385BL

Tot Ion:188 Resp: 473828
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.7 7.7 11.5

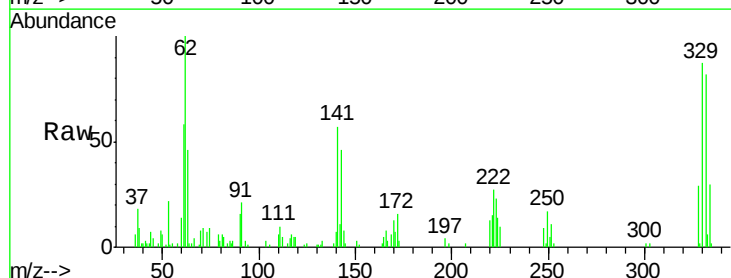


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

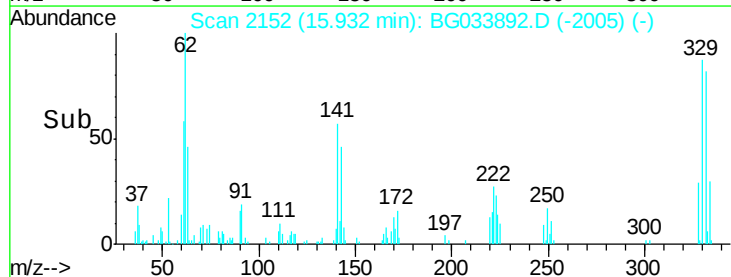
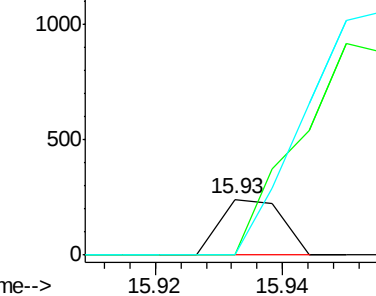


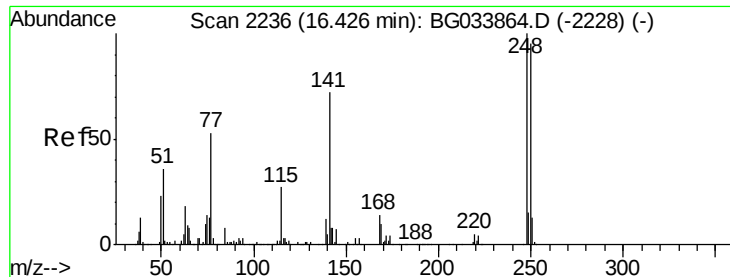
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.551 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.33 min
 Lab File: BG033892.D
 Acq: 20 Apr 2018 18:52

Tgt Ion:198 Resp: 163
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 69.8 23.8 63.8#



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

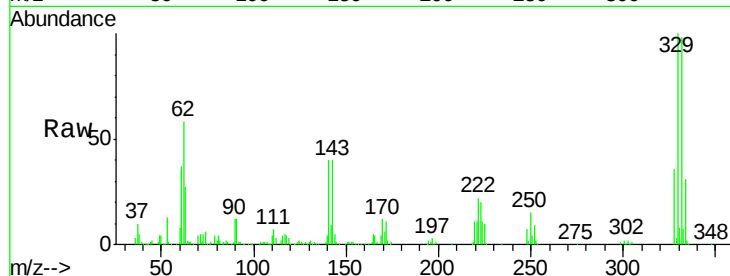




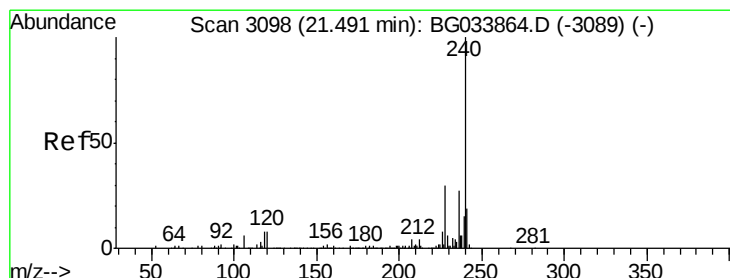
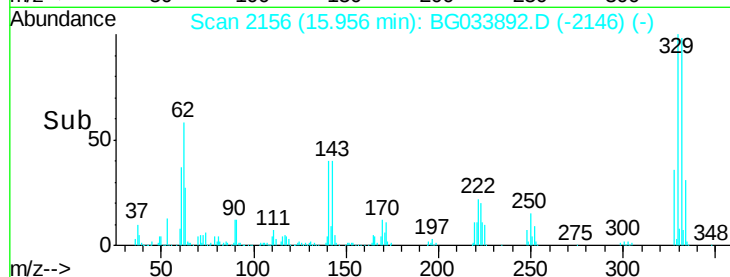
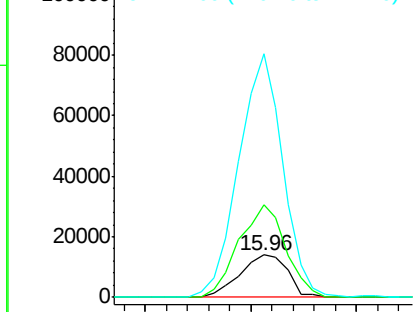
#66
4-Bromophenyl-phenylether
Concen: 4.204 ng
RT: 15.96 min Scan# 2156
Delta R.T. -0.47 min
Lab File: BG033892.D
Acq: 20 Apr 2018 18:52

Instrument :
BNA_G
ClientSampleId :
PB108385BL

Tot Ion:248 Resp: 21875
Ion Ratio Lower Upper
248 100
250 211.9 77.1 115.7#
141 429.9 50.8 76.2#

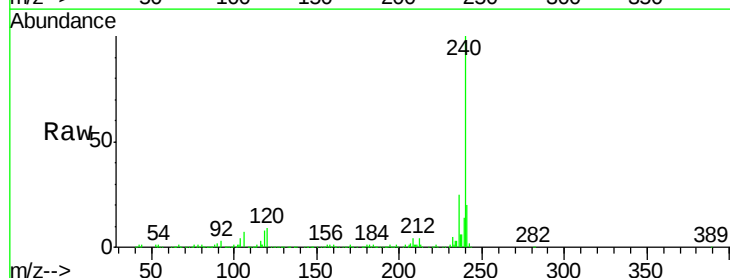


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

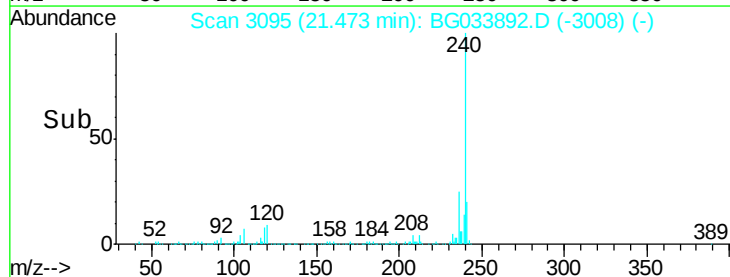
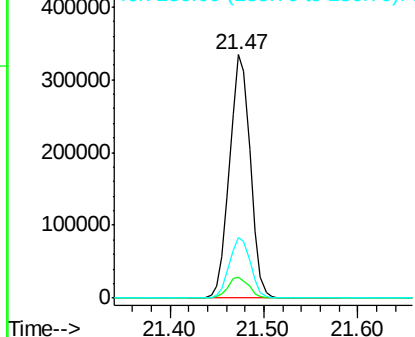


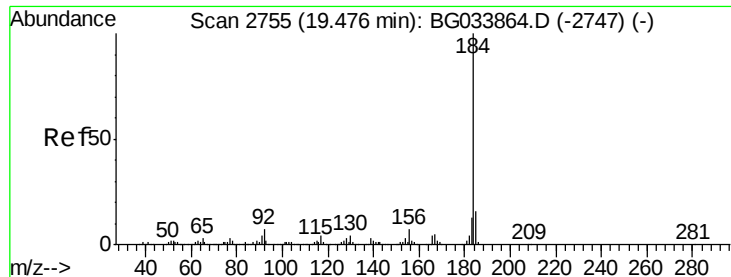
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BG033892.D
Acq: 20 Apr 2018 18:52

Tgt Ion:240 Resp: 512197
Ion Ratio Lower Upper
240 100
120 8.6 6.8 10.2
236 24.6 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: 2.147 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

Instrument :

BNA_G

ClientSampleId :

PB108385BL

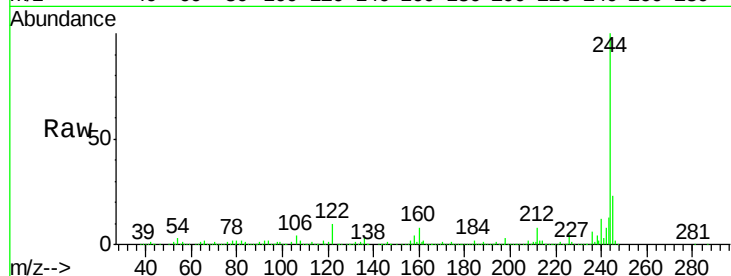
Tot Ion:184 Resp: 29694

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

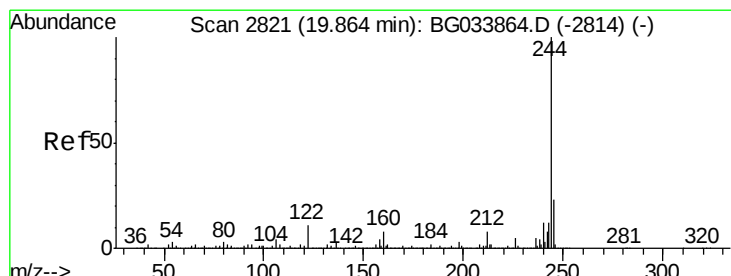
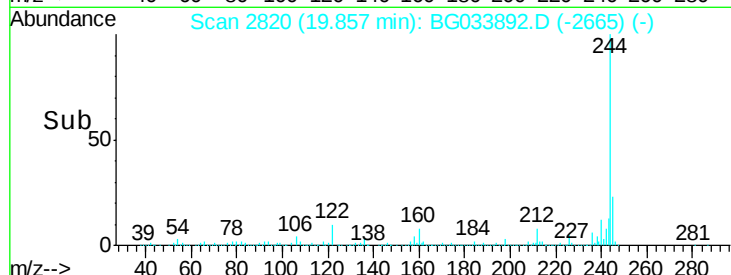
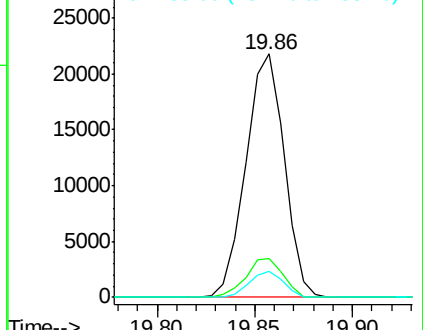
183 10.7 10.6 16.0



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: 81.016 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033892.D

Acq: 20 Apr 2018 18:52

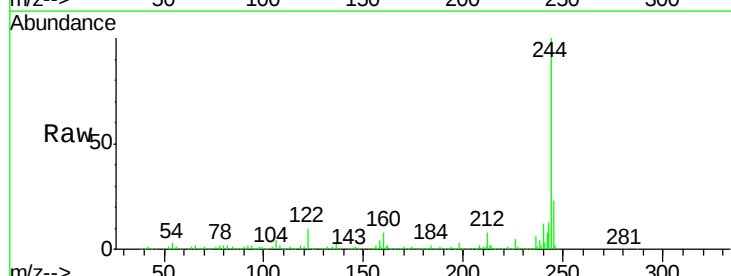
Tgt Ion:244 Resp: 1847048

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

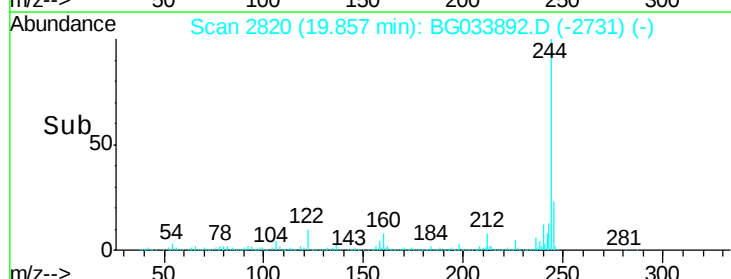
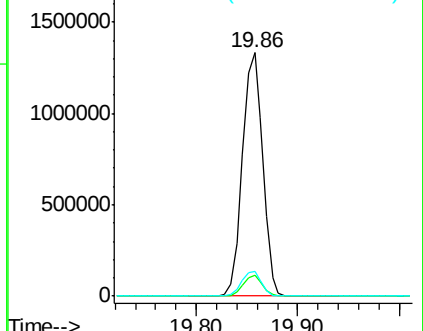
122 10.1 7.0 10.4

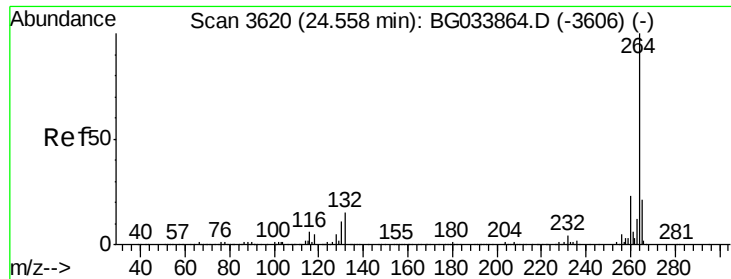


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.54 min Scan# 3617
Delta R.T. -0.02 min
Lab File: BG033892.D
Acq: 20 Apr 2018 18:52

Instrument :
BNA_G
ClientSampleId :
PB108385BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	20.5	17.7	26.5

