

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120118\
 Data File : BG038303.D
 Acq On : 2 Dec 2018 1:25
 Operator : JU/SJ
 Sample : PB115183BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB115183BL

Quant Time: Dec 03 01:11:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

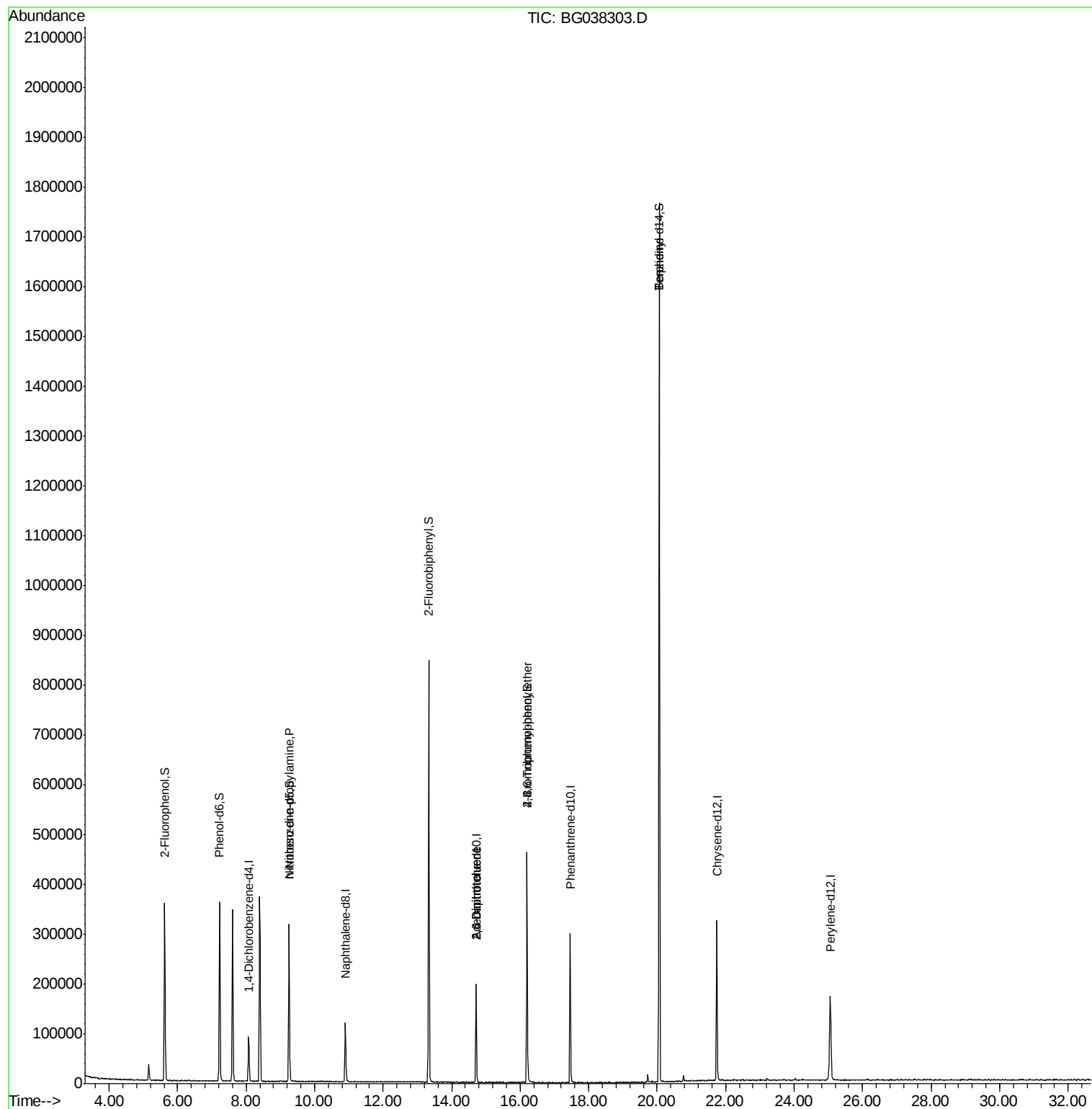
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	26506	20.00	ng	-0.02
21) Naphthalene-d8	10.90	136	108576	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	70844	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	193892	20.00	ng	0.00
76) Chrysene-d12	21.74	240	198680	20.00	ng	-0.02
87) Perylene-d12	25.05	264	200341	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	157541	102.62	ng	0.00
7) Phenol-d6	7.22	99	211991	96.74	ng	0.00
23) Nitrobenzene-d5	9.25	82	197668	97.45	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	89030	110.19	ng	-0.02
45) 2-Fluorobiphenyl	13.33	172	462941	95.20	ng	-0.02
79) Terphenyl-d14	20.06	244	884275	104.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	25148	15.860	ng	# 79
51) 2,6-Dinitrotoluene	14.71	165	8923	7.020	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	8923	5.159	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	5400	2.537	ng	# 1
77) Benzidine	20.06	184	15497	2.223	ng	# 92

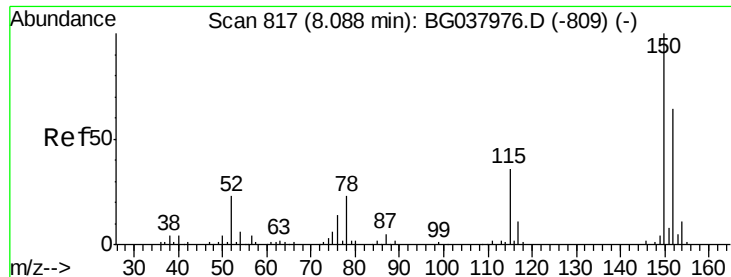
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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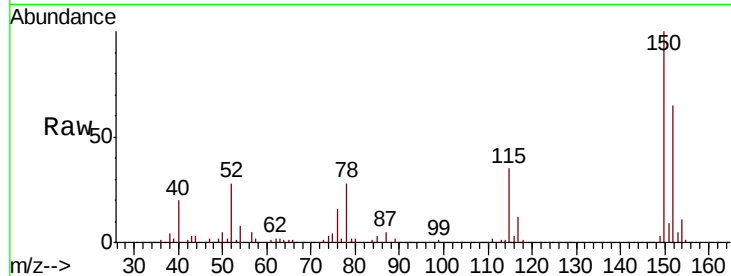


#1

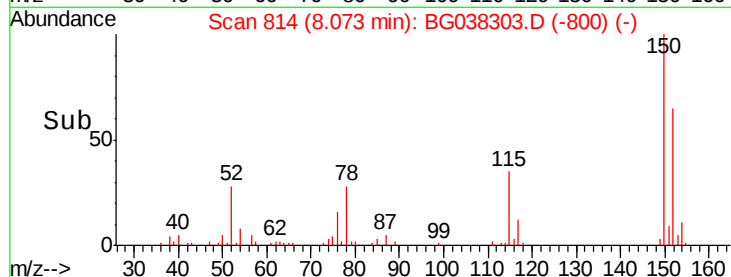
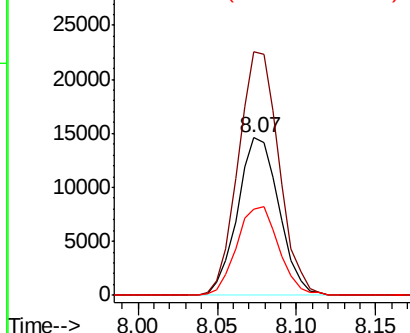
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.02 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

Instrument :
BNA_G
ClientSampleId :
PB115183BL

Tot Ion:152 Resp: 26506
Ion Ratio Lower Upper
152 100
150 154.3 126.0 189.0
115 54.7 45.5 68.3



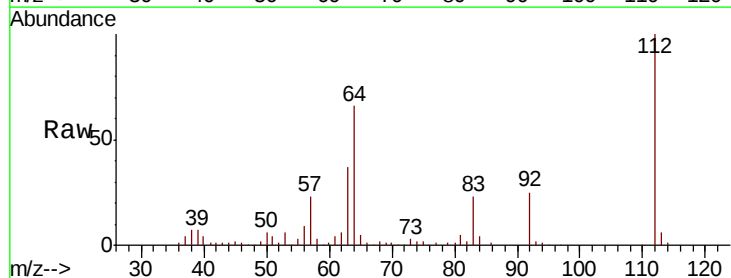
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



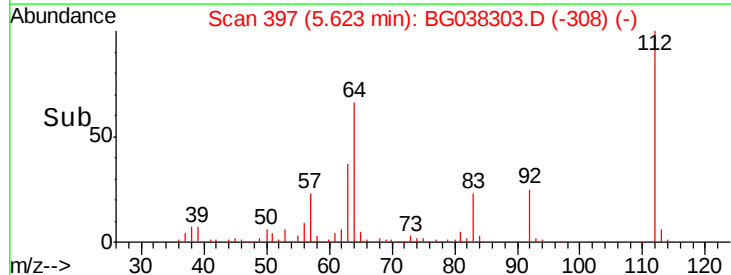
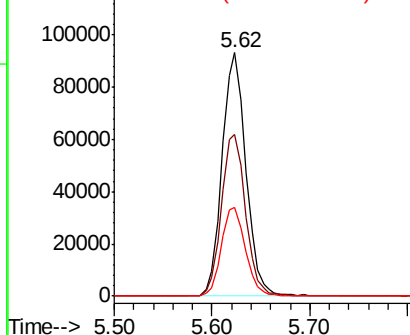
#5

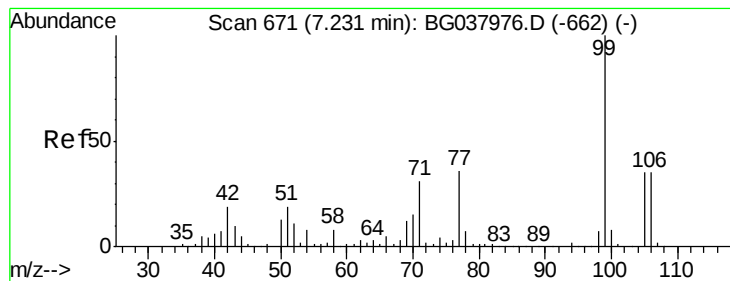
2-Fluorophenol
Concen: 102.620 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

Tgt Ion:112 Resp: 157541
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 36.6 27.3 40.9



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: 96.738 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PB115183BL

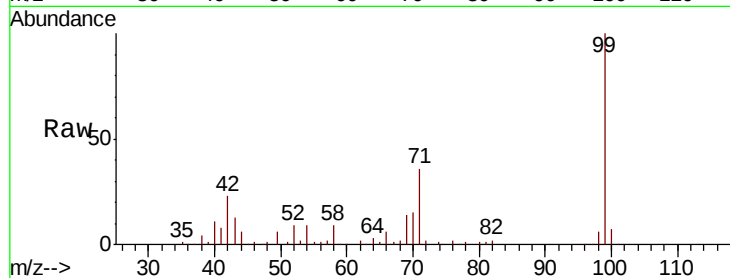
Tot Ion: 99 Resp: 211991

Ion Ratio Lower Upper

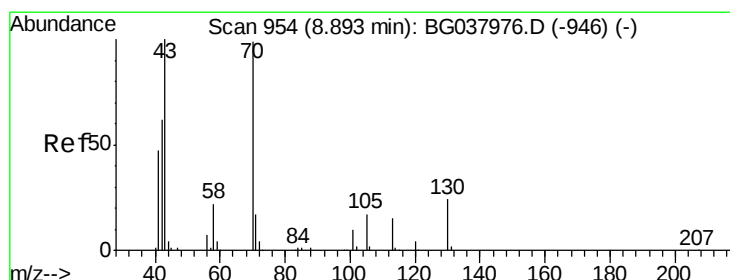
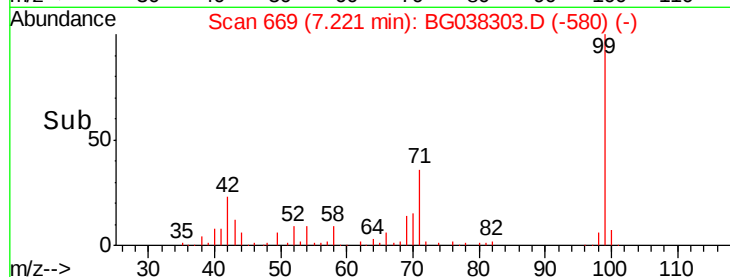
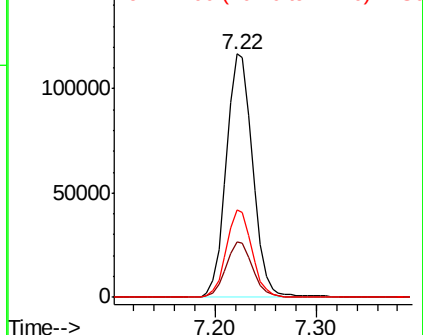
99 100

42 22.6 15.0 22.4#

71 35.7 25.5 38.3



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: 15.860 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.36 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

Tgt Ion: 70 Resp: 25148

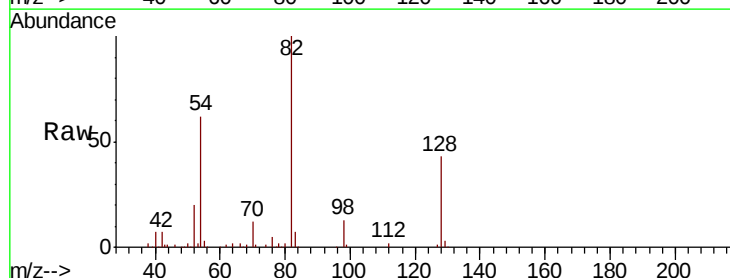
Ion Ratio Lower Upper

70 100

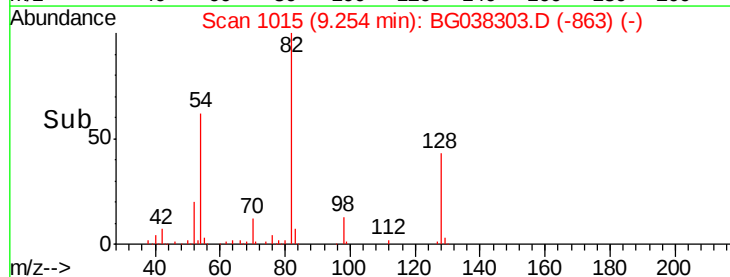
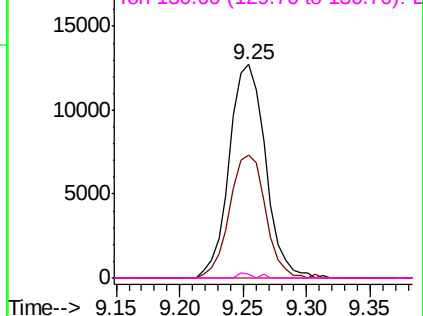
42 57.8 53.9 80.9

101 0.0 8.2 12.2#

130 2.0 18.2 27.4#



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: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PB115183BL

Tot Ion:136 Resp: 108576

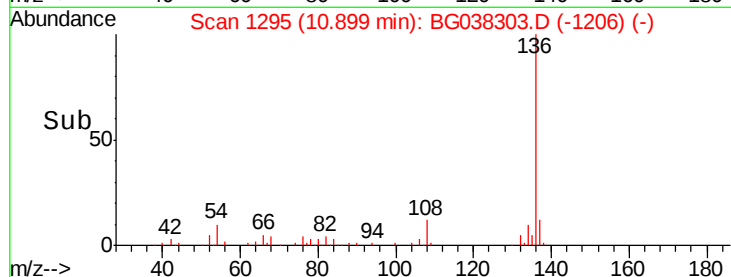
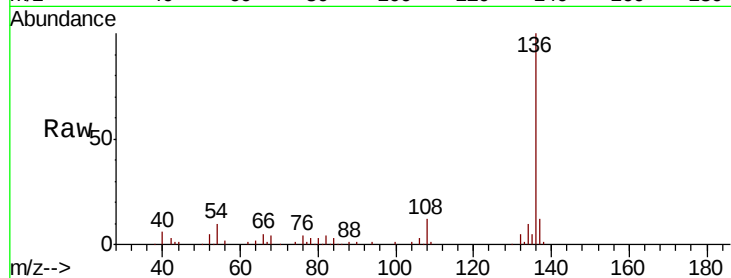
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 10.5 7.9 11.9

68 4.3 4.8 7.2#

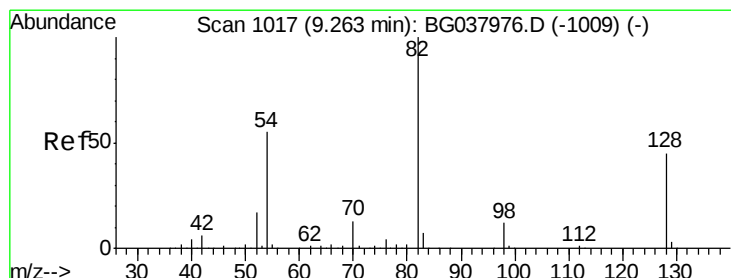
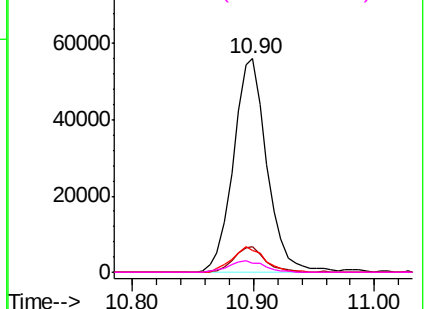


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.455 ng

RT: 9.25 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

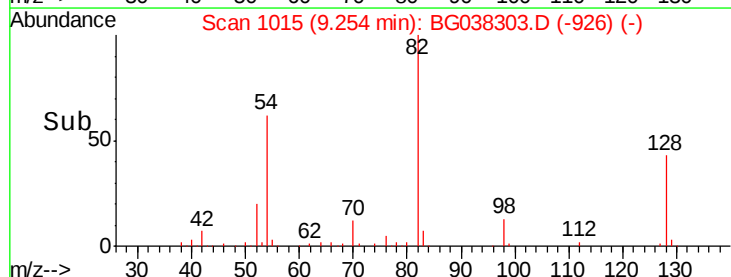
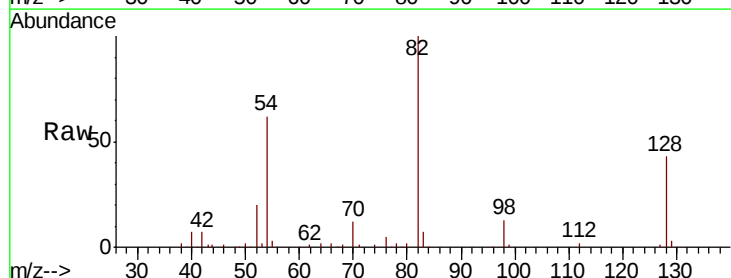
Tgt Ion: 82 Resp: 197668

Ion Ratio Lower Upper

82 100

128 43.1 34.6 51.8

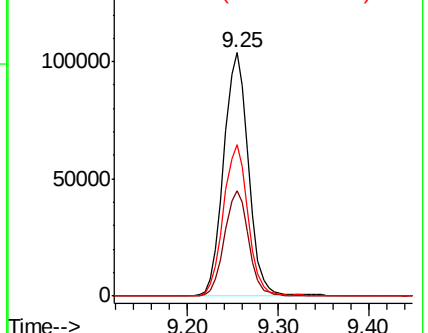
54 62.1 45.3 67.9

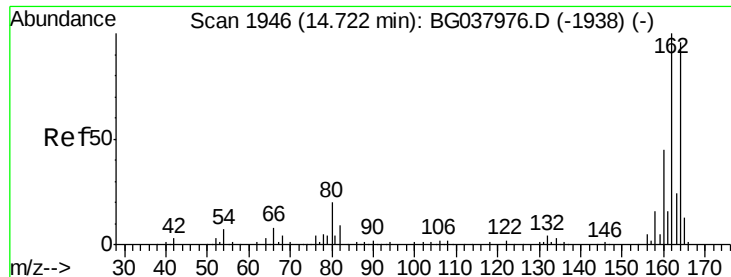


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PB115183BL

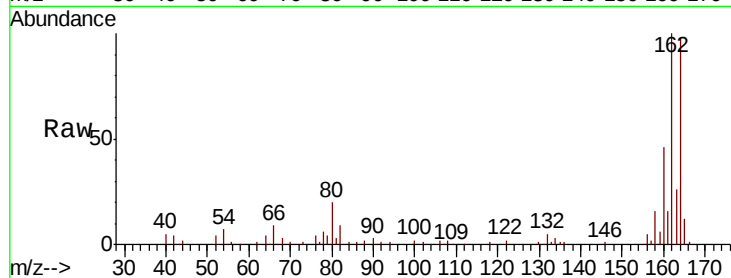
Tot Ion:164 Resp: 70844

Ion Ratio Lower Upper

164 100

162 101.7 81.3 121.9

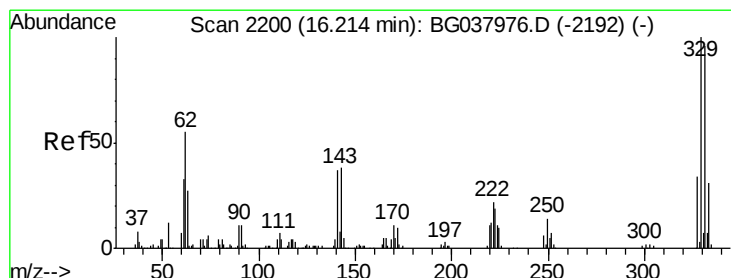
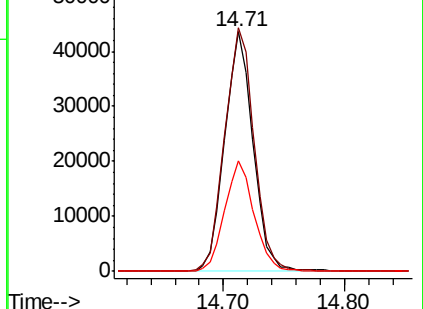
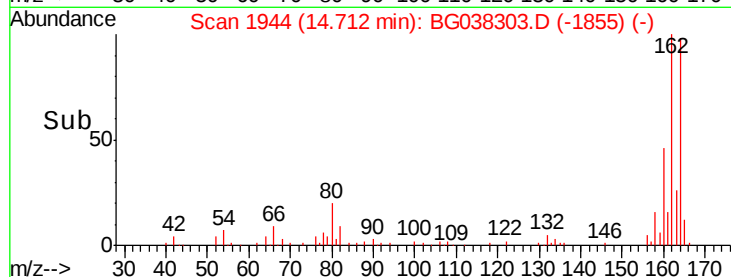
160 46.3 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 110.191 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

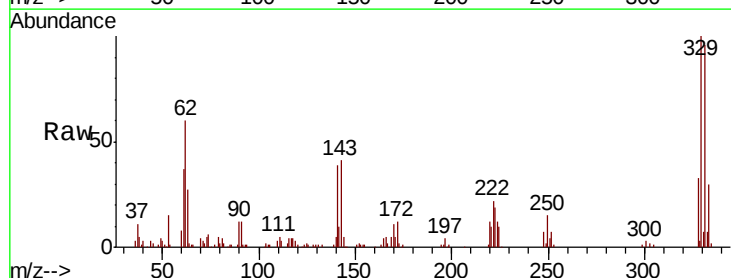
Tgt Ion:330 Resp: 89030

Ion Ratio Lower Upper

330 100

332 96.0 78.4 117.6

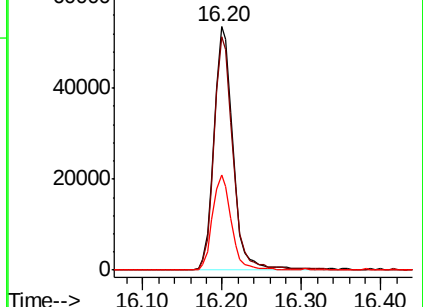
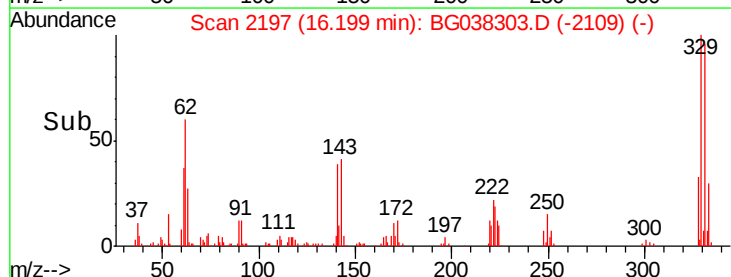
141 38.2 32.2 48.2



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

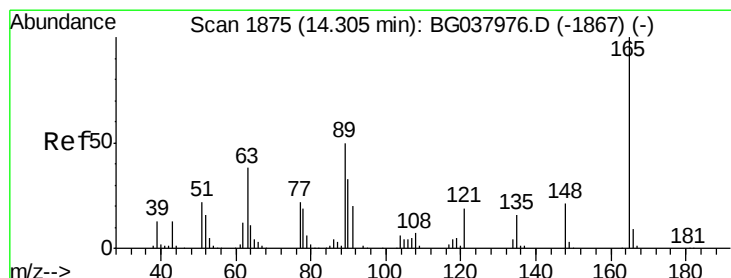
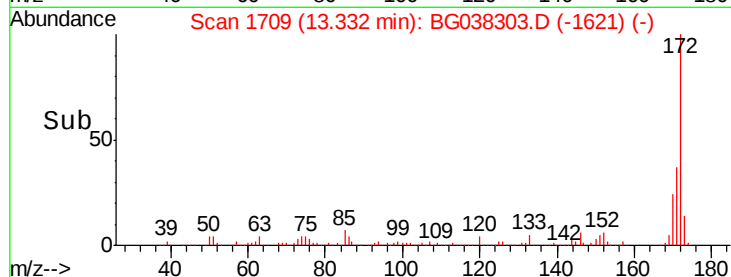
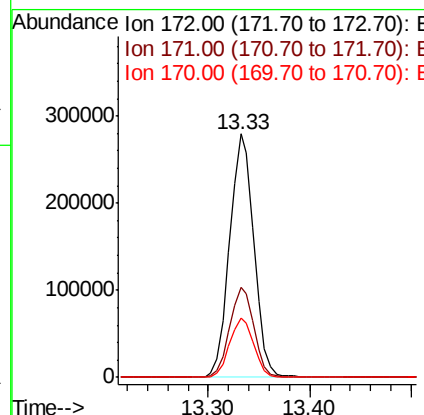
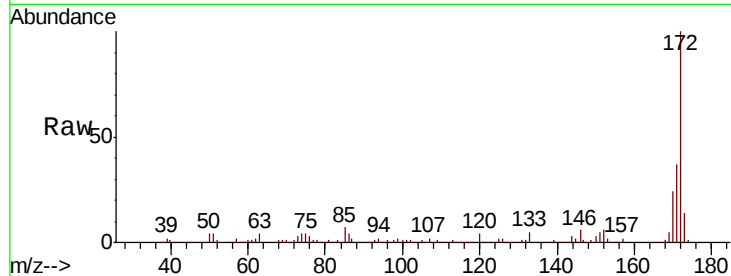




#45
2-Fluorobiphenyl
Concen: 95.200 ng
RT: 13.33 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

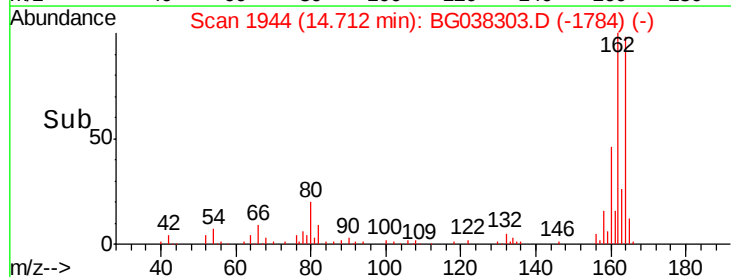
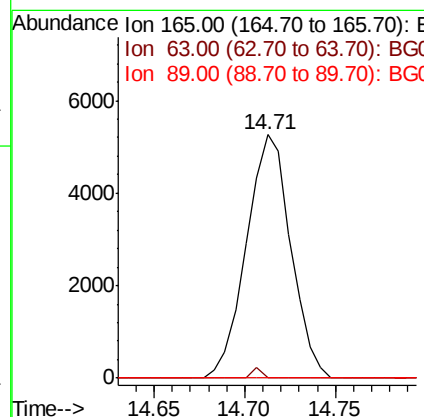
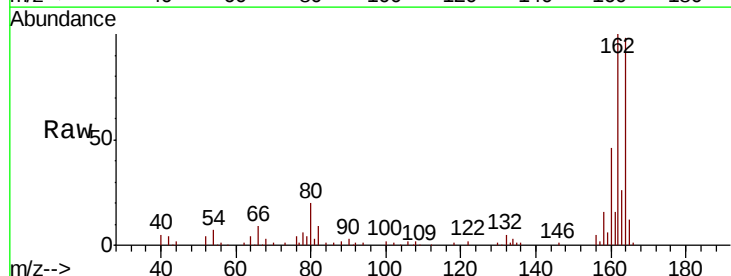
Instrument :
BNA_G
ClientSampleId :
PB115183BL

Tot Ion:172 Resp: 462941
Ion Ratio Lower Upper
172 100
171 37.0 31.0 46.4
170 24.4 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.020 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.41 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

Tgt Ion:165 Resp: 8923
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 0.0 45.8 68.6#

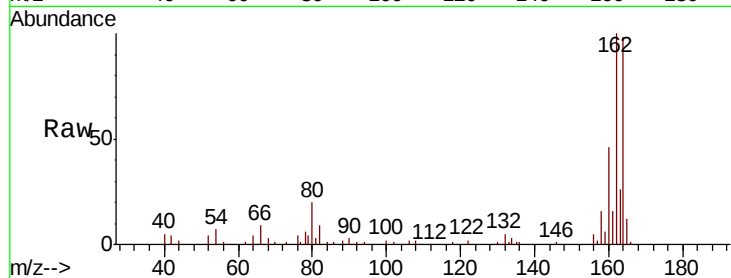




#57
 2,4-Dinitrotoluene
 Concen: 5.159 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG038303.D
 Acq: 2 Dec 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PB115183BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#

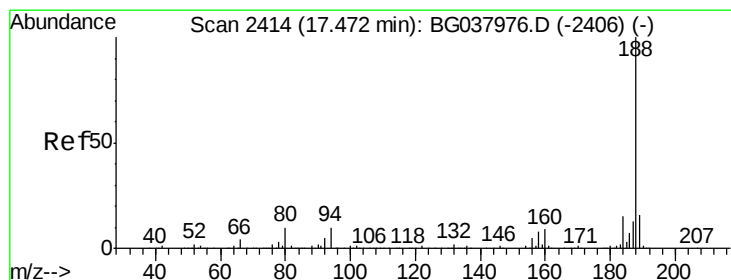
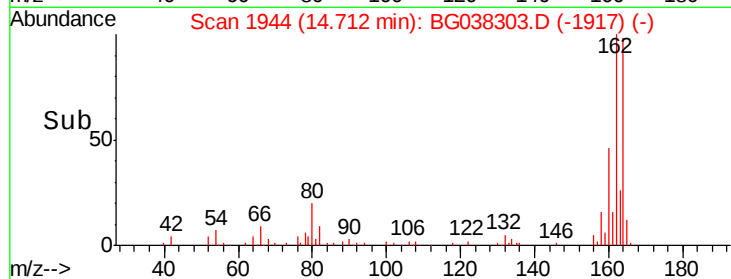
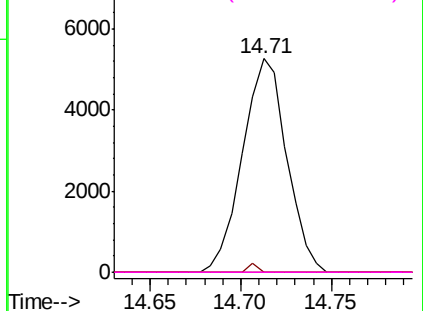


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



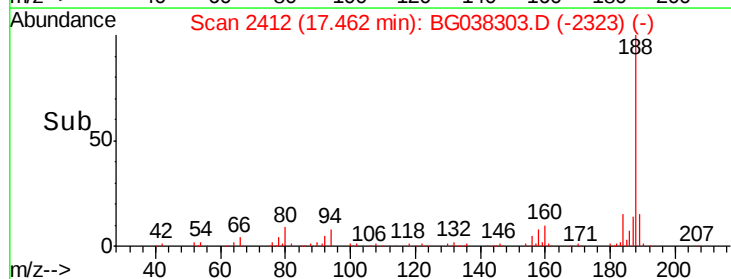
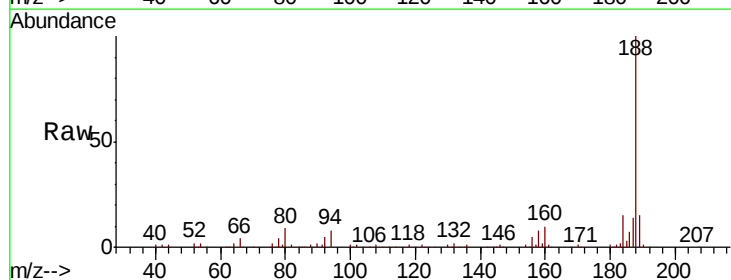
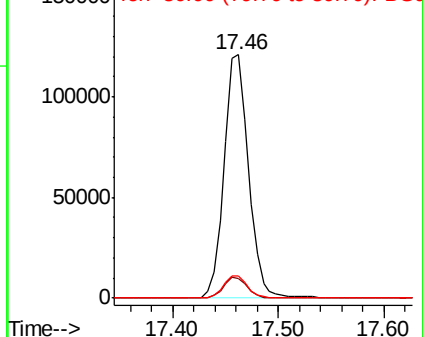
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2412
 Delta R.T. -0.01 min
 Lab File: BG038303.D
 Acq: 2 Dec 2018 1:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	8.9	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

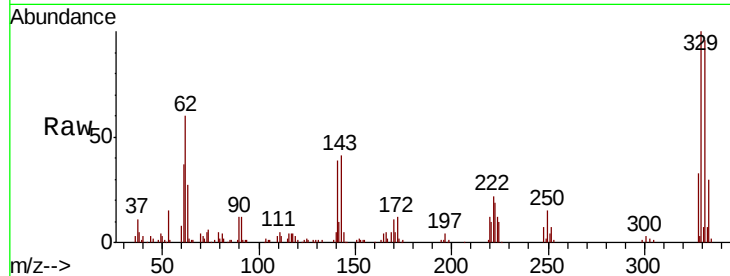




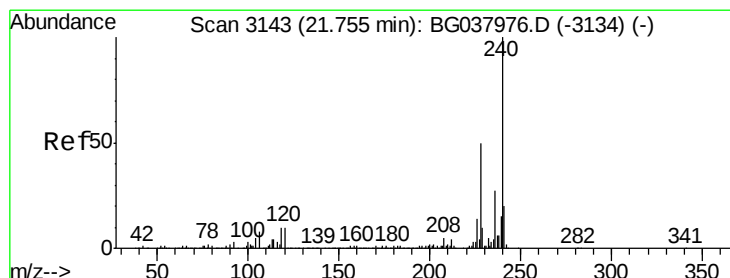
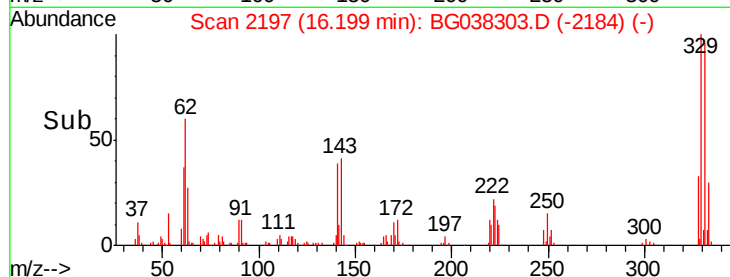
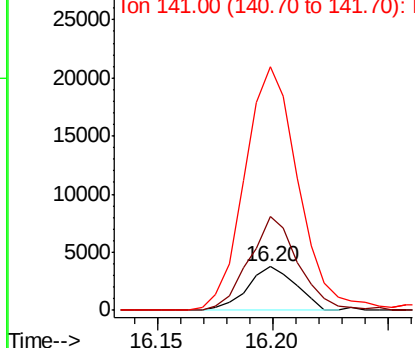
#67
4-Bromophenyl-phenylether
Concen: 2.537 ng
RT: 16.20 min Scan# 2197
Delta R.T. -0.46 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

Instrument :
BNA_G
ClientSampleId :
PB115183BL

Tot Ion:248 Resp: 5400
Ion Ratio Lower Upper
248 100
250 208.2 77.0 115.6#
141 426.2 55.5 83.3#

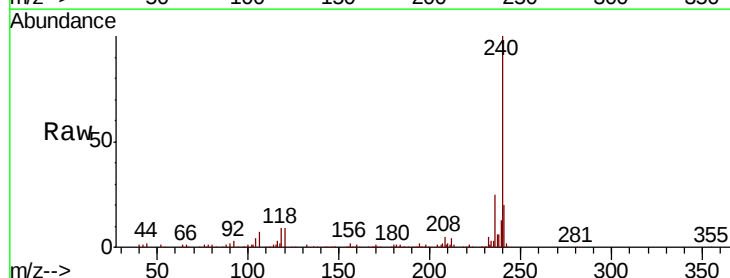


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

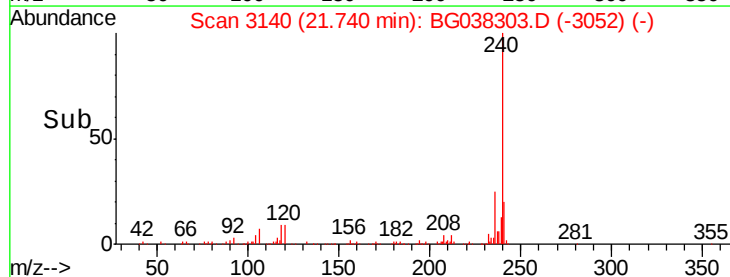
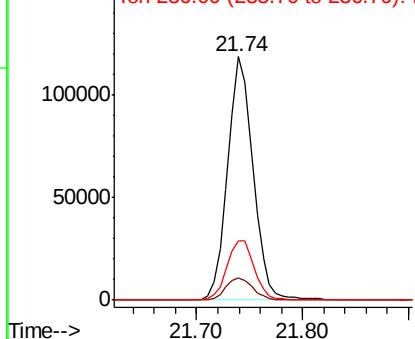


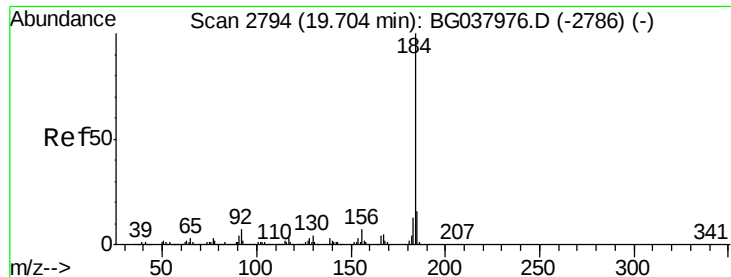
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3140
Delta R.T. -0.02 min
Lab File: BG038303.D
Acq: 2 Dec 2018 1:25

Tgt Ion:240 Resp: 198680
Ion Ratio Lower Upper
240 100
120 8.9 8.1 12.1
236 24.6 21.4 32.0



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





#77

Benzidine

Concen: 2.223 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.35 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

Instrument :

BNA_G

ClientSampleId :

PB115183BL

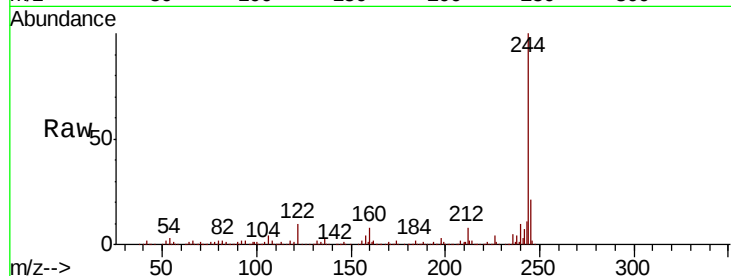
Tot Ion:184 Resp: 15497

Ion Ratio Lower Upper

184 100

185 17.6 12.6 18.8

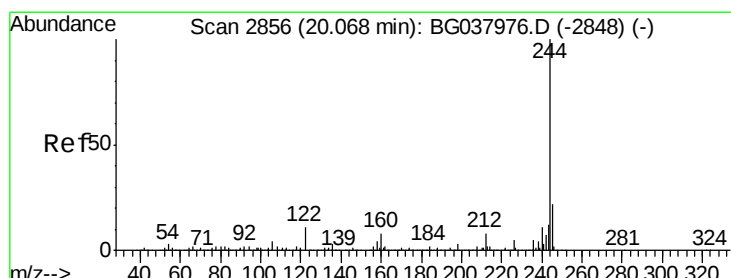
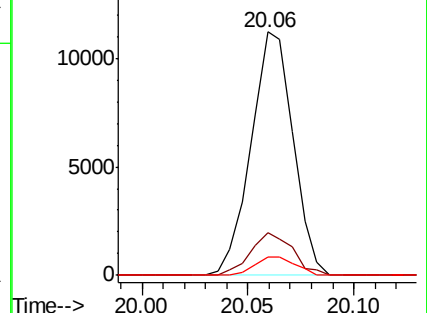
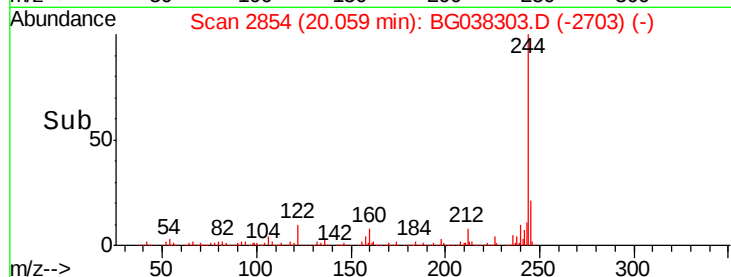
183 7.5 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

15000 Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 104.727 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG038303.D

Acq: 2 Dec 2018 1:25

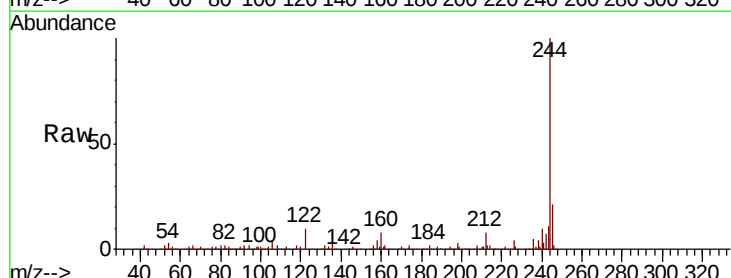
Tgt Ion:244 Resp: 884275

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

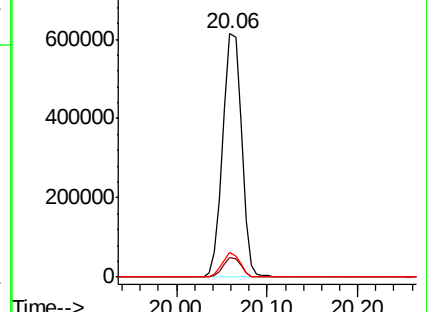
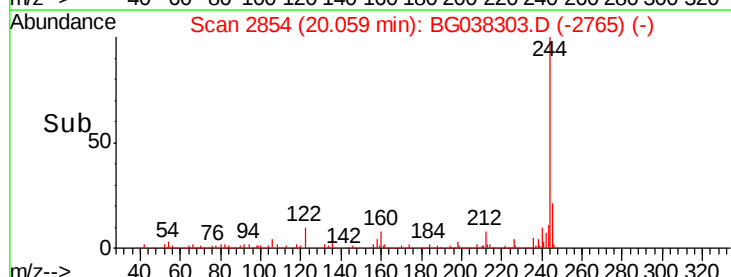
122 10.1 9.0 13.4

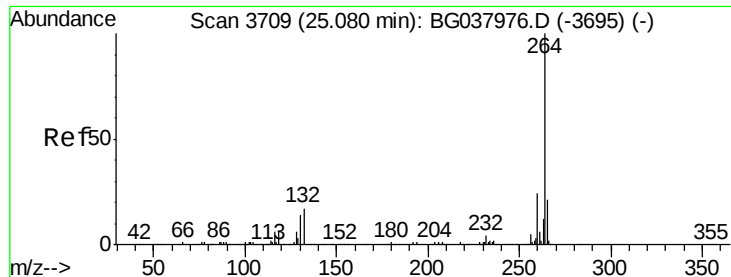


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.05 min Scan# 3704
 Delta R.T. -0.03 min
 Lab File: BG038303.D
 Acq: 2 Dec 2018 1:25

Instrument :
 BNA_G
 ClientSampleId :
 PB115183BL

Tot Ion: 264 Resp: 200341
 Ion Ratio Lower Upper
 264 100
 260 21.8 18.2 27.4
 265 21.4 17.9 26.9

