

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\
 Data File : BG037101.D
 Acq On : 2 Oct 2018 12:11
 Operator : JU/SJ
 Sample : PB113413BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB113413BL

Quant Time: Oct 02 14:21:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

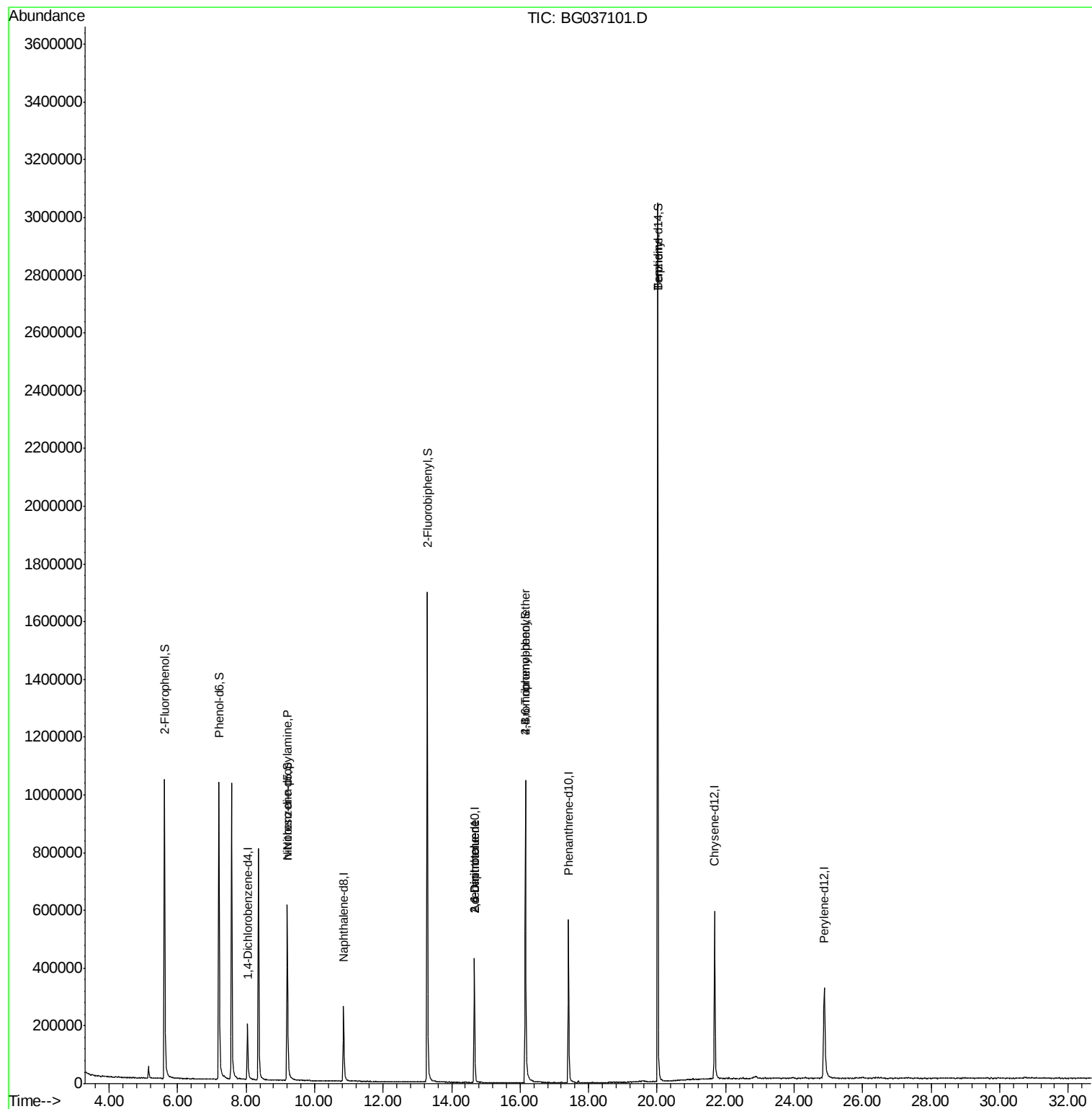
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	65683	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	277501	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	170012	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	416340	20.00	ng	0.00
75) Chrysene-d12	21.67	240	422178	20.00	ng	-0.02
86) Perylene-d12	24.88	264	412974	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	514226	150.14	ng	0.00
7) Phenol-d6	7.20	99	683061	128.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	457901	88.36	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	231867	113.99	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	986411	86.41	ng	-0.02
78) Terphenyl-d14	20.02	244	1517621	94.52	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	60164	13.648	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	21915	7.340	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	21913	5.260	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	16333	3.449	ng	# 1
76) Benzidine	20.02	184	25669	2.011	ng	94

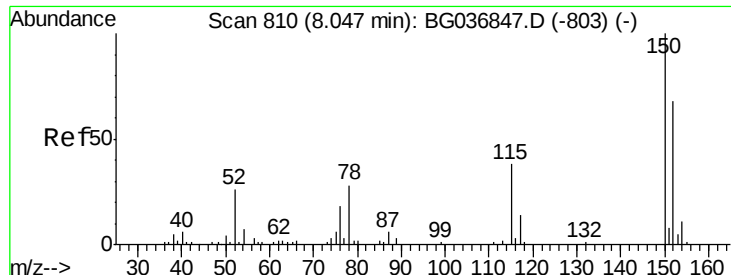
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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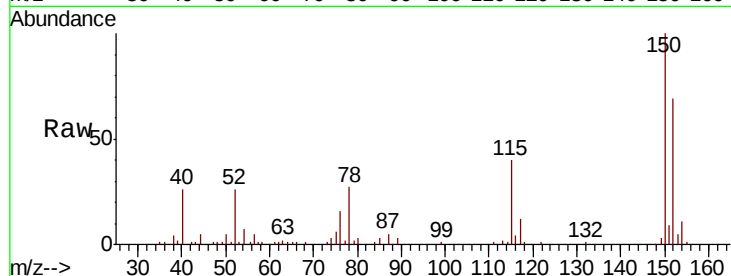


#1

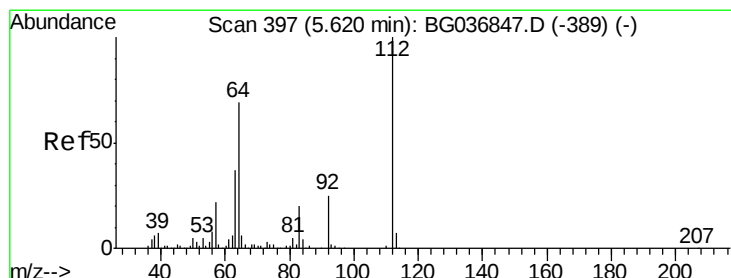
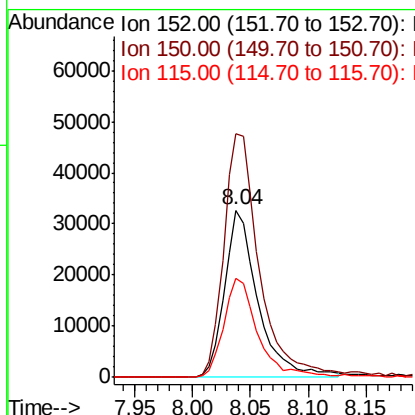
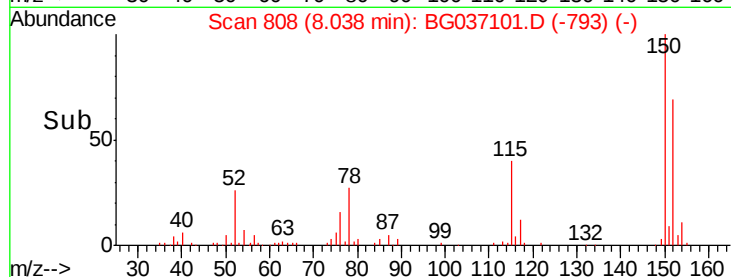
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

Instrument :
BNA_G
ClientSampleId :
PB113413BL

Tot Ion:152 Resp: 65683
Ion Ratio Lower Upper
152 100
150 145.8 119.5 179.3
115 58.9 44.5 66.7



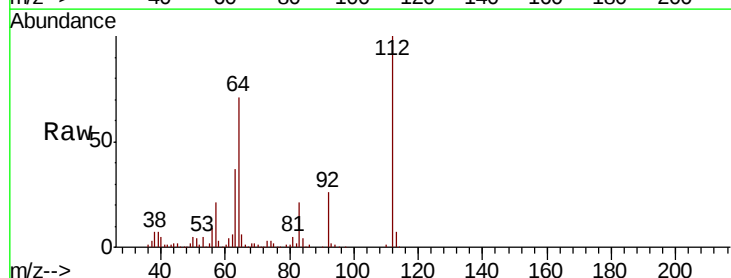
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



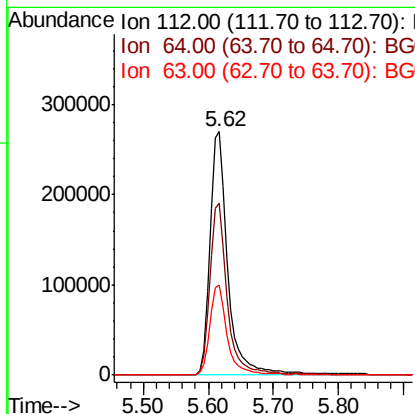
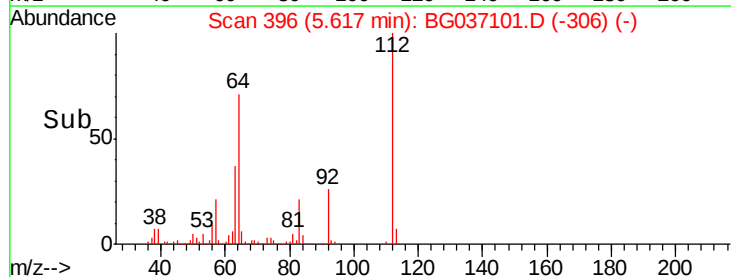
#5

2-Fluorophenol
Concen: 150.141 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

Tgt Ion:112 Resp: 514226
Ion Ratio Lower Upper
112 100
64 70.8 57.2 85.8
63 36.9 30.8 46.2



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: 128.904 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037101.D

Acq: 2 Oct 2018 12:11

Instrument :

BNA_G

ClientSampleId :

PB113413BL

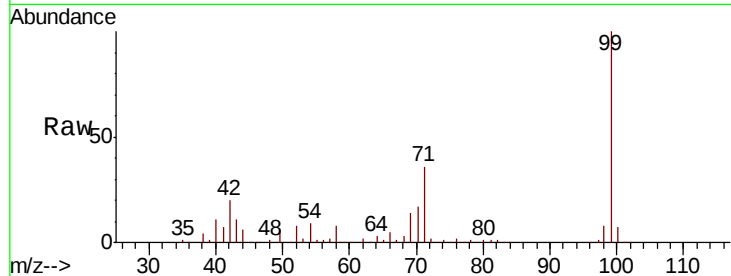
Tot Ion: 99 Resp: 683061

Ion Ratio Lower Upper

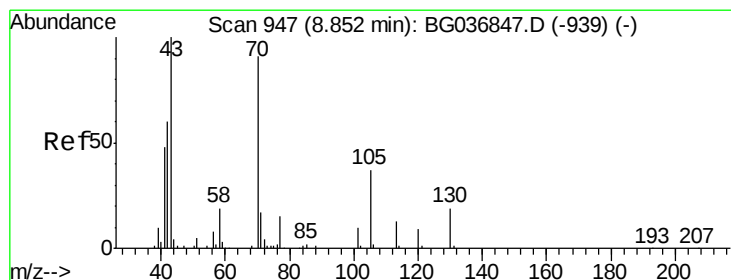
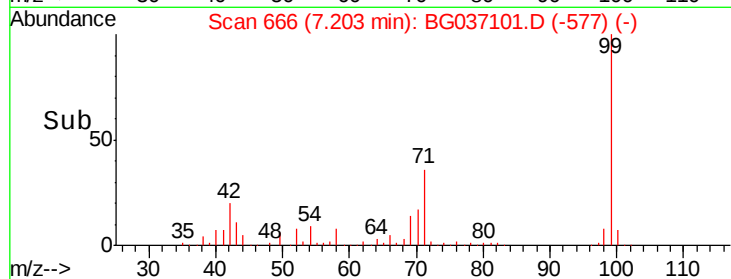
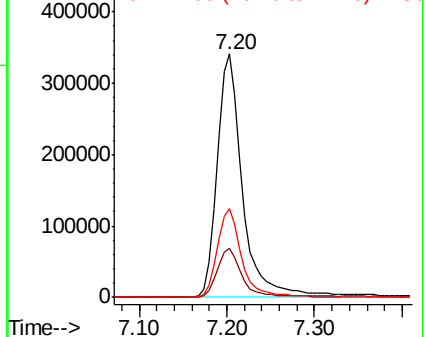
99 100

42 20.3 16.5 24.7

71 36.3 29.4 44.2



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: 13.648 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037101.D

Acq: 2 Oct 2018 12:11

Tgt Ion: 70 Resp: 60164

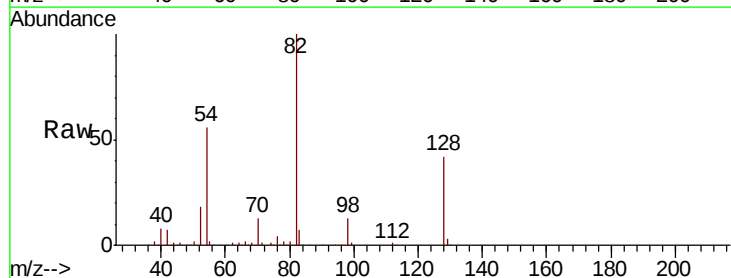
Ion Ratio Lower Upper

70 100

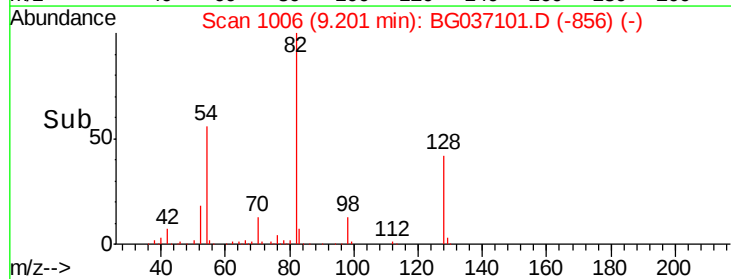
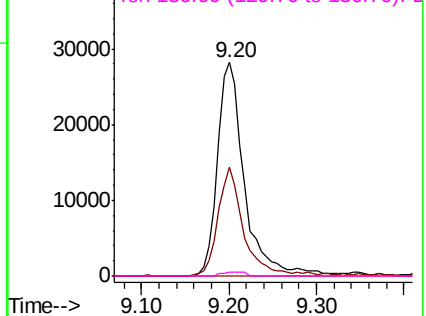
42 50.8 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#



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

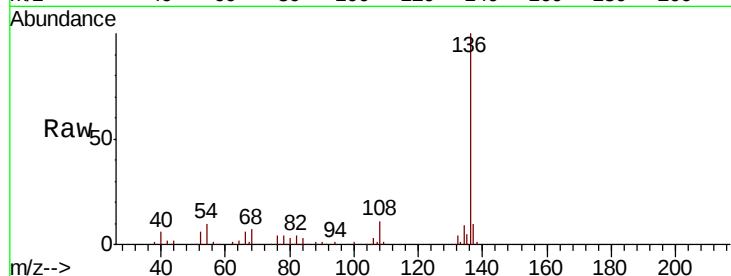




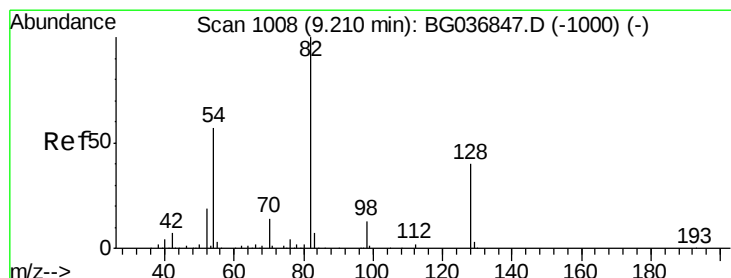
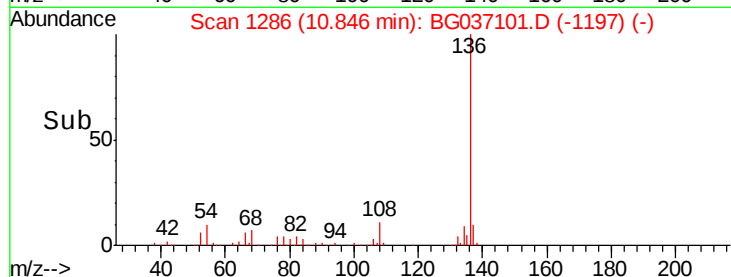
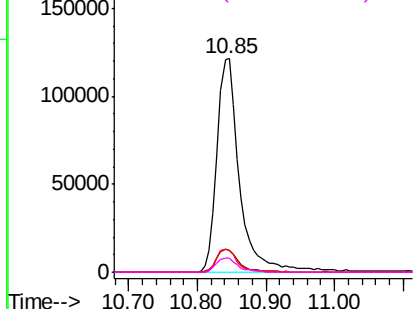
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

Instrument :
BNA_G
ClientSampleId :
PB113413BL

Tot Ion:136	Resp:	277501	
Ion Ratio	Lower	Upper	
136 100			
137 10.2	8.8	13.2	
54 10.3	9.2	13.8	
68 6.6	5.8	8.6	

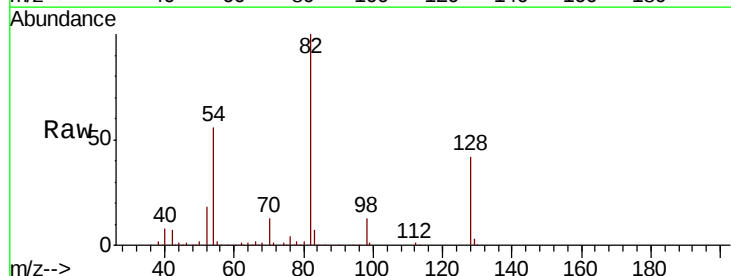


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

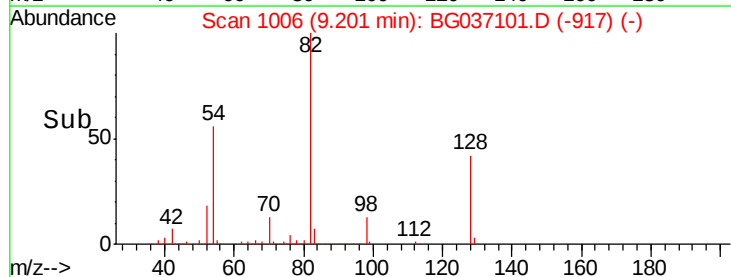
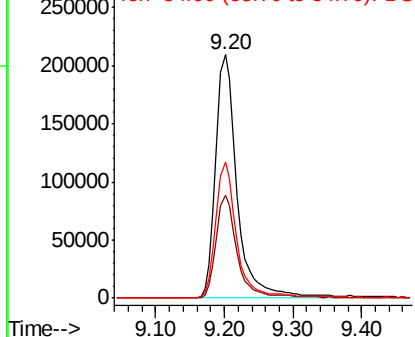


#23
Nitrobenzene-d5
Concen: 88.364 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

Tgt Ion: 82	Resp: 457901
Ion Ratio	Lower Upper
82 100	
128 42.1	33.3 49.9
54 55.7	45.1 67.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037101.D

Acq: 2 Oct 2018 12:11

Instrument :

BNA_G

ClientSampleId :

PB113413BL

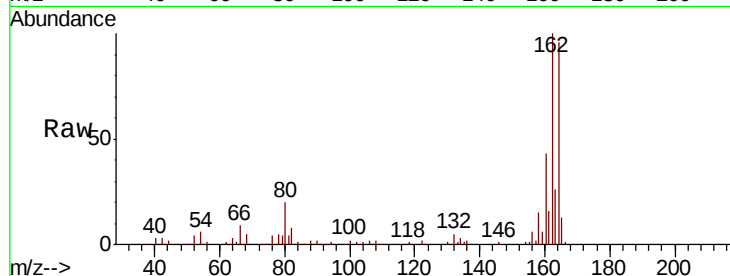
Tot Ion:164 Resp: 170012

Ion Ratio Lower Upper

164 100

162 103.7 80.7 121.1

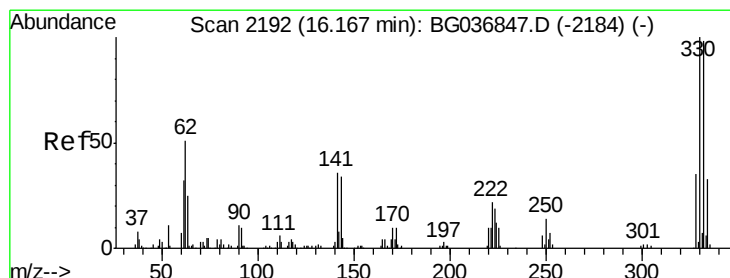
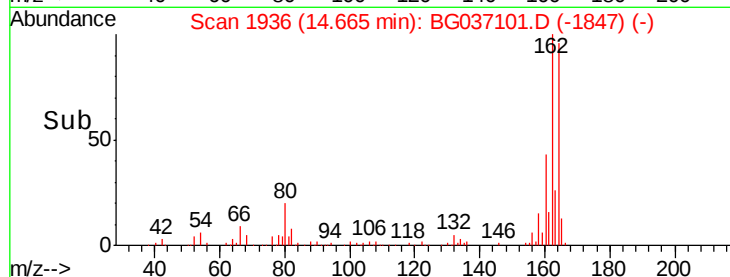
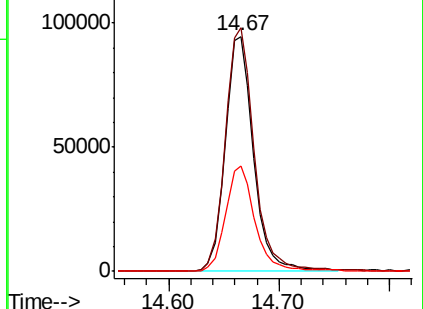
160 45.0 35.3 52.9



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: 113.991 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037101.D

Acq: 2 Oct 2018 12:11

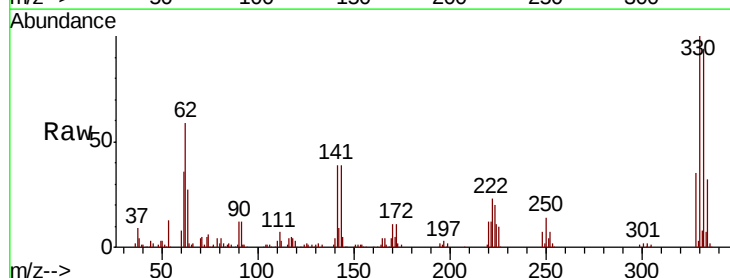
Tgt Ion:330 Resp: 231867

Ion Ratio Lower Upper

330 100

332 91.2 75.4 113.2

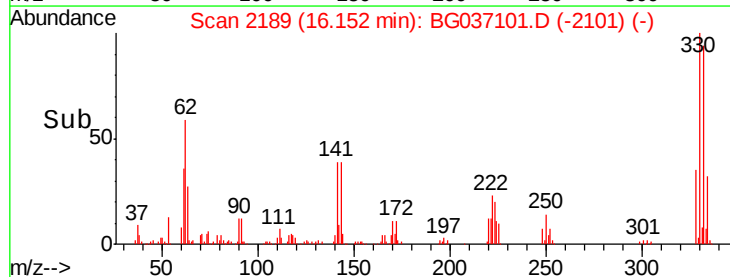
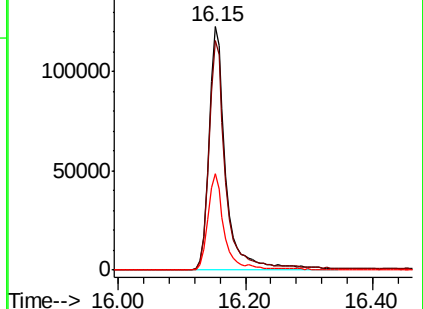
141 38.2 30.7 46.1



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

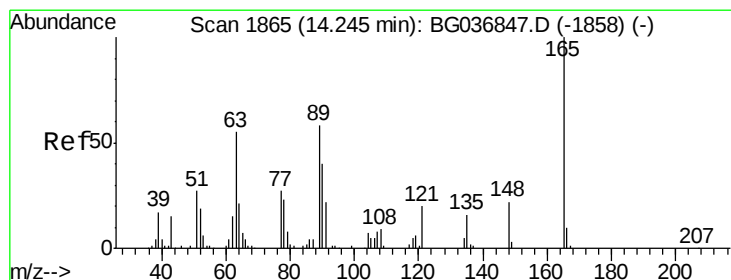
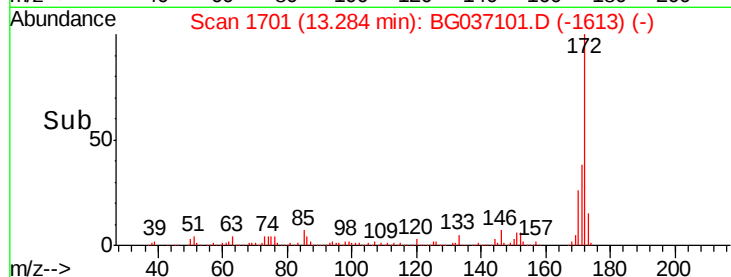
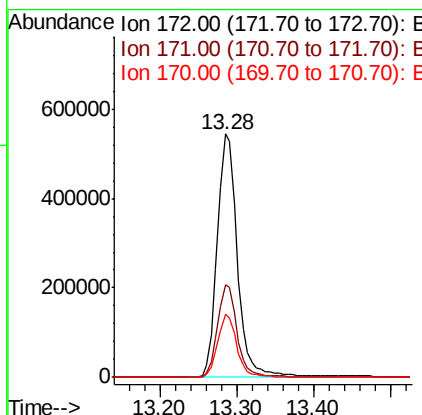
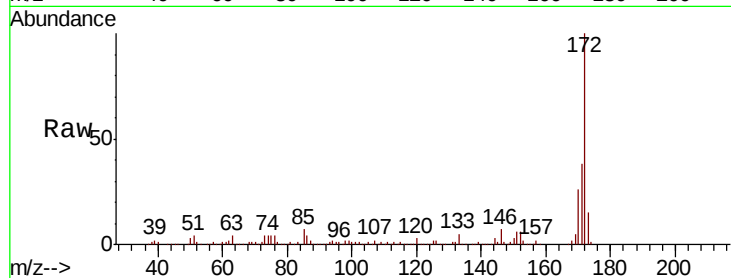




#44
 2-Fluorobiphenyl
 Concen: 86.415 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

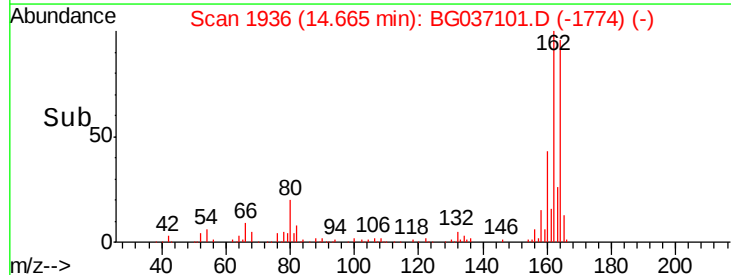
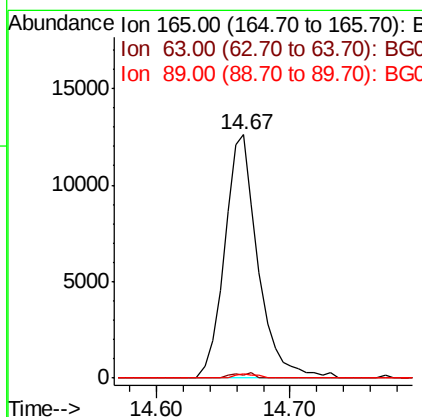
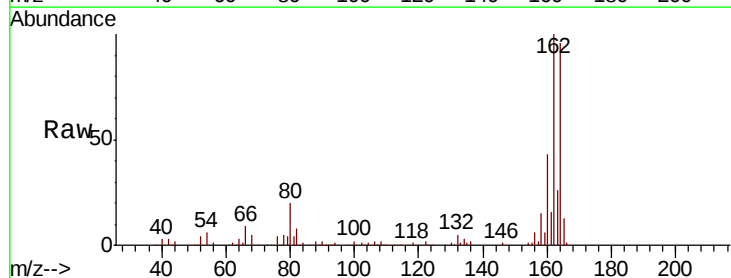
Instrument :
 BNA_G
 ClientSampleId :
 PB113413BL

Tot Ion:172 Resp: 986411
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 25.7 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.340 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Tgt Ion:165 Resp: 21915
 Ion Ratio Lower Upper
 165 100
 63 1.2 50.1 75.1#
 89 1.5 47.8 71.6#

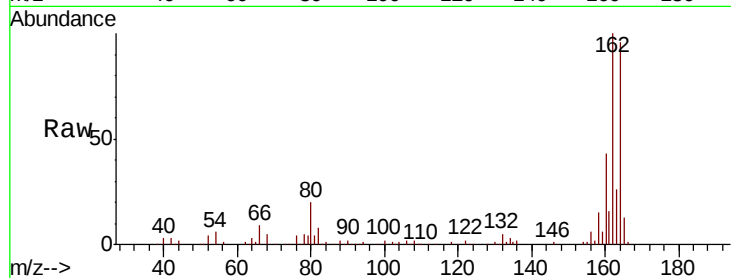




#56
 2,4-Dinitrotoluene
 Concen: 5.260 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Instrument :
 BNA_G
 ClientSampleId :
 PB113413BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.1	60.1#
89	1.5	63.7	95.5#
182	0.0	2.5	3.7#



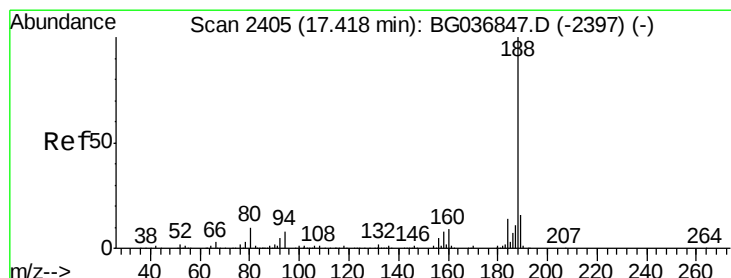
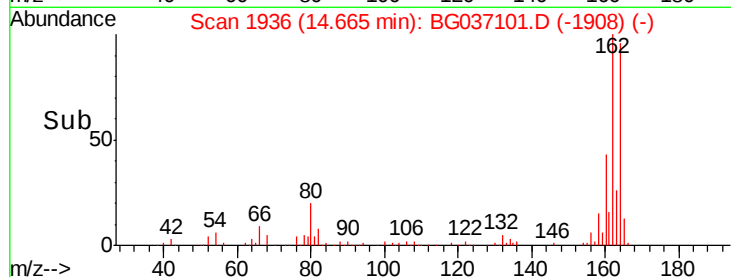
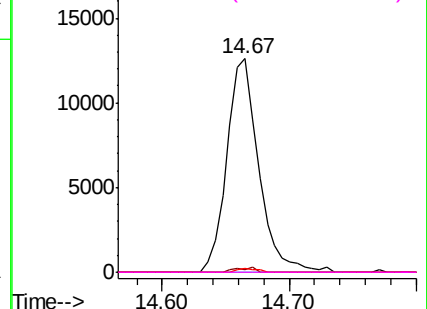
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

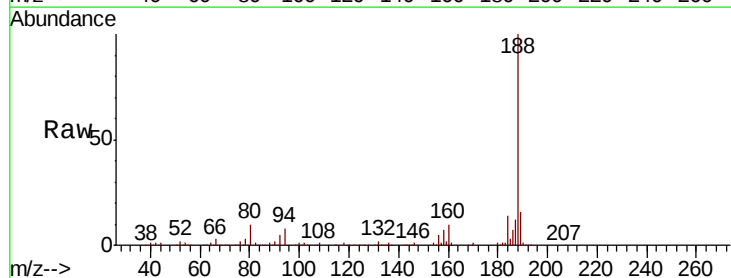
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	9.8	8.1	12.1

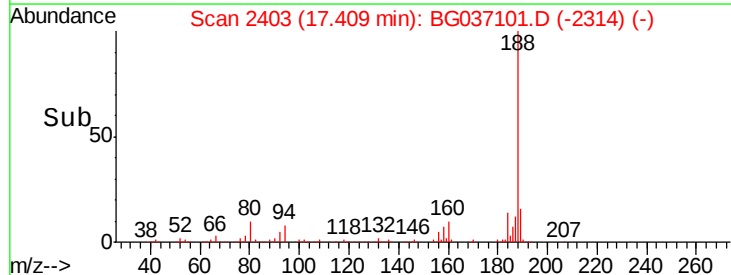
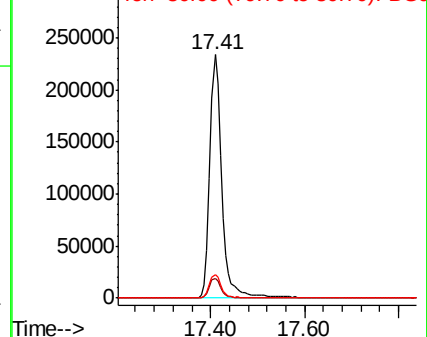


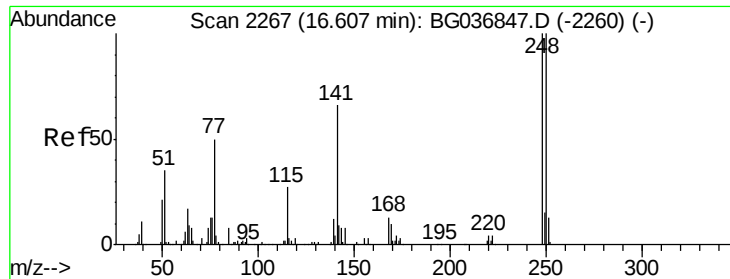
Abundance

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

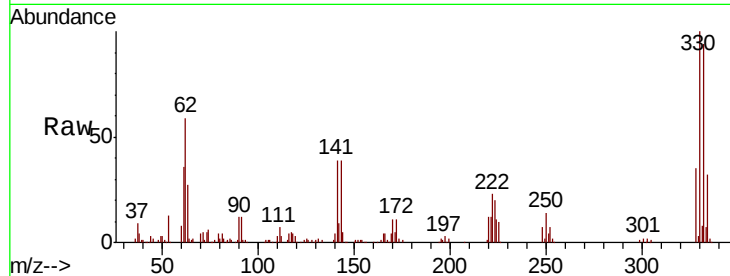




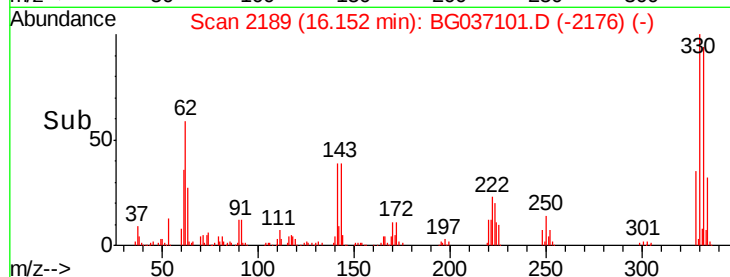
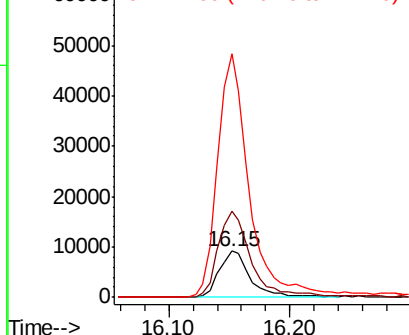
#66
 4-Bromophenyl-phenylether
 Concen: 3.449 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Instrument :
 BNA_G
 ClientSampleId :
 PB113413BL

Tot Ion:248 Resp: 16333
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.1 117.1#
 141 530.0 53.7 80.5#

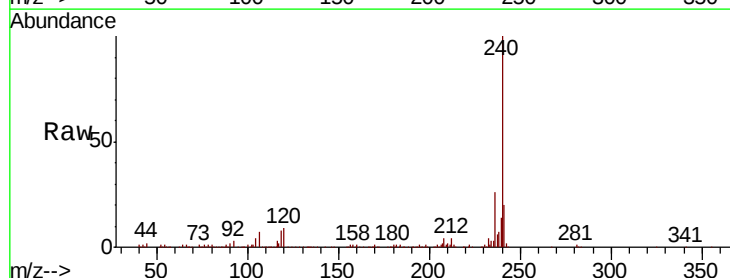


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

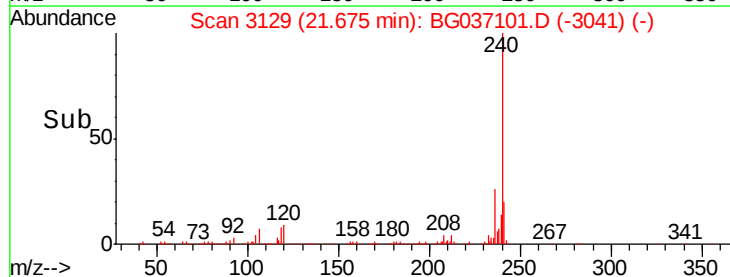
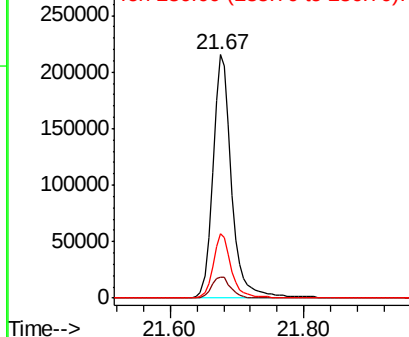


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Tgt Ion:240 Resp: 422178
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.9 10.3
 236 26.3 21.2 31.8



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

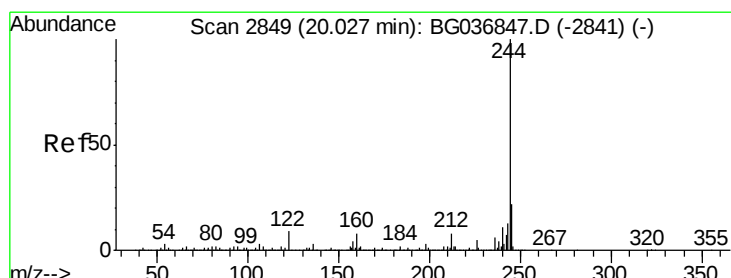
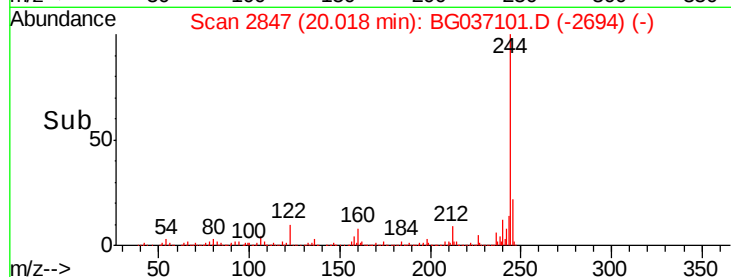
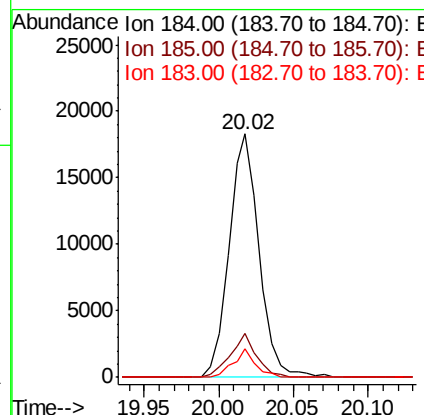
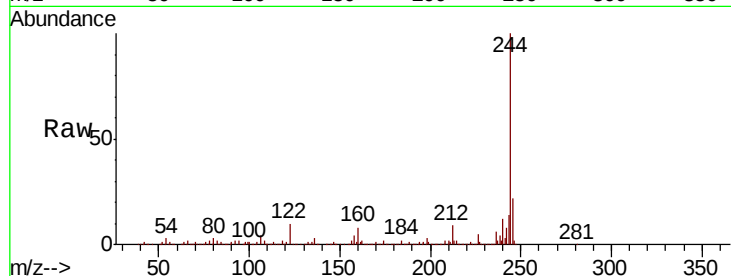




#76
Benzidine
Concen: 2.011 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

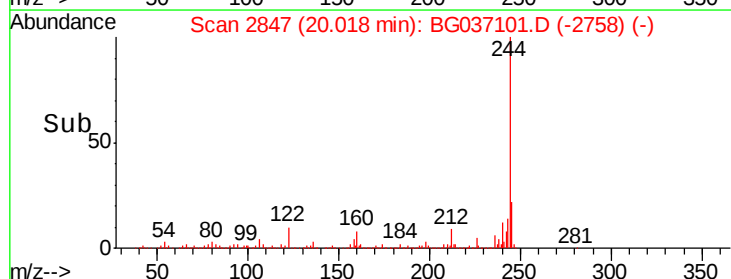
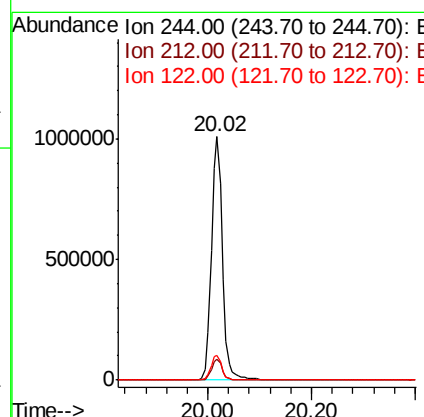
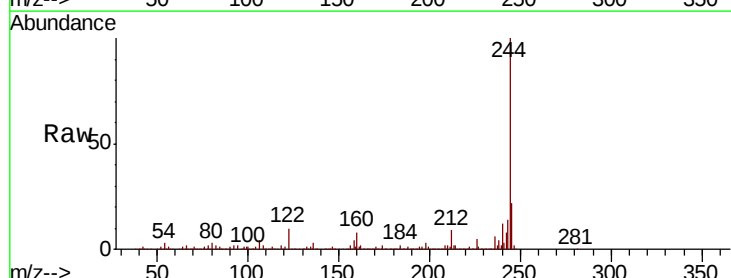
Instrument :
BNA_G
ClientSampleId :
PB113413BL

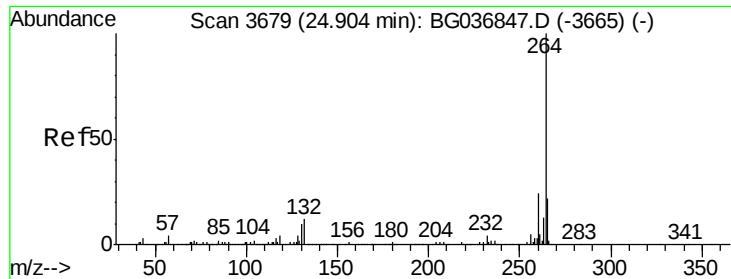
Tot Ion:184 Resp: 25669
Ion Ratio Lower Upper
184 100
185 18.3 12.6 18.8
183 11.6 10.9 16.3



#78
Terphenyl-d14
Concen: 94.523 ng
RT: 20.02 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG037101.D
Acq: 2 Oct 2018 12:11

Tgt Ion:244 Resp: 1517621
Ion Ratio Lower Upper
244 100
212 8.8 7.0 10.6
122 10.4 7.1 10.7





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG037101.D
 Acq: 2 Oct 2018 12:11

Instrument :
 BNA_G
 ClientSampleId :
 PB113413BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	21.0	17.4	26.0

