

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037044.D
 Acq On : 28 Sep 2018 10:50
 Operator : JU/SJ
 Sample : J5090-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:26:28 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

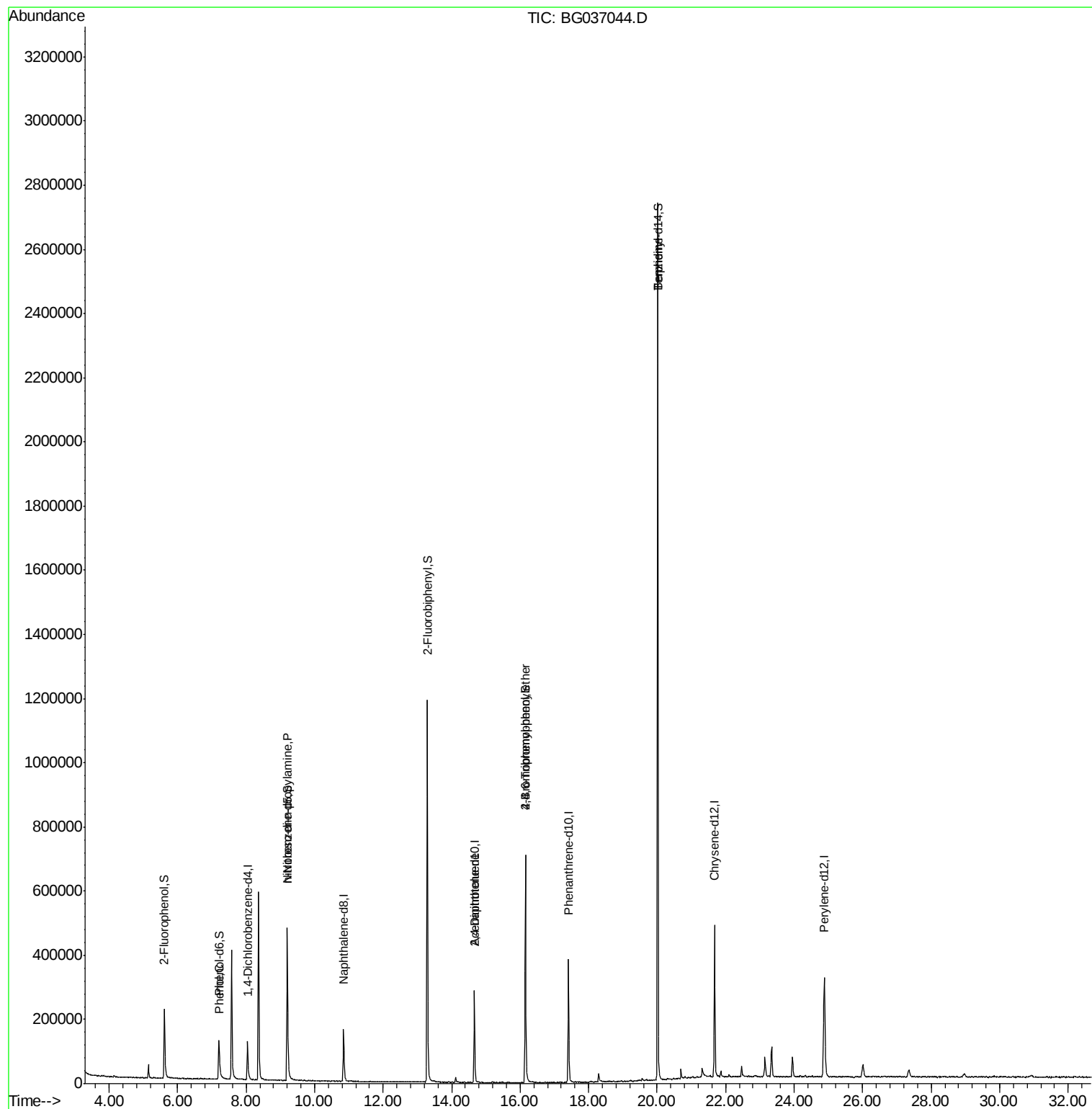
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	41648	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	165585	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	104742	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	280576	20.00	ng	0.00
75) Chrysene-d12	21.67	240	298791	20.00	ng	-0.01
86) Perylene-d12	24.88	264	301875	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	111743	51.45	ng	0.00
7) Phenol-d6	7.20	99	94039	27.99	ng	-0.01
23) Nitrobenzene-d5	9.20	82	342056	110.62	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	137118	109.42	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	704094	100.12	ng	0.00
78) Terphenyl-d14	20.02	244	1297504	114.19	ng	0.00
Target Compounds						
10) Phenol	7.23	94	10005	2.885	ng	74
19) n-Nitroso-di-n-propylamine	9.20	70	45053	16.119	ng	# 72
56) 2,4-Dinitrotoluene	14.67	165	13155	5.125	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	9322	2.921	ng	# 1
76) Benzidine	20.02	184	23983	2.655	ng	95

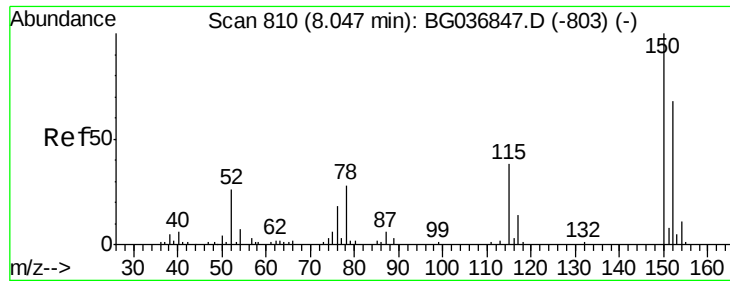
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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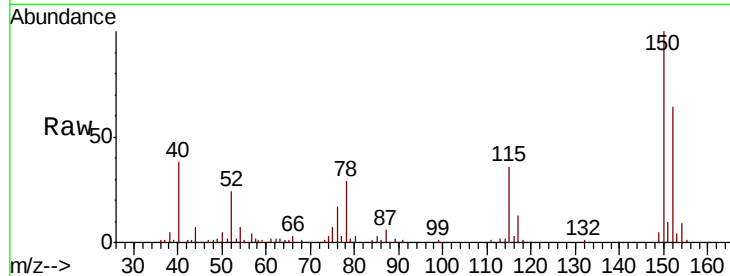


#1

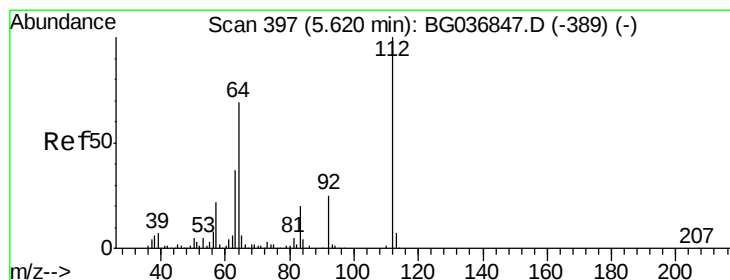
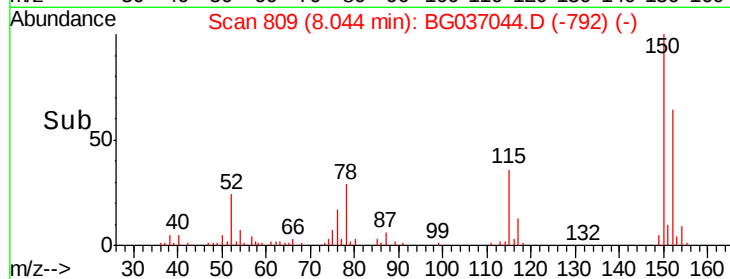
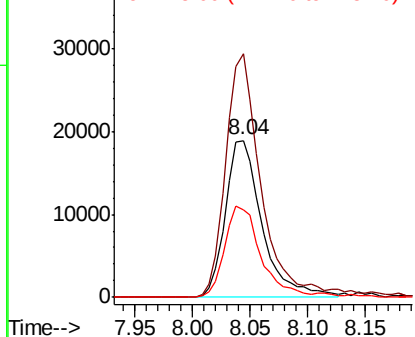
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 41648
 Ion Ratio Lower Upper
 152 100
 150 155.3 119.5 179.3
 115 56.0 44.5 66.7



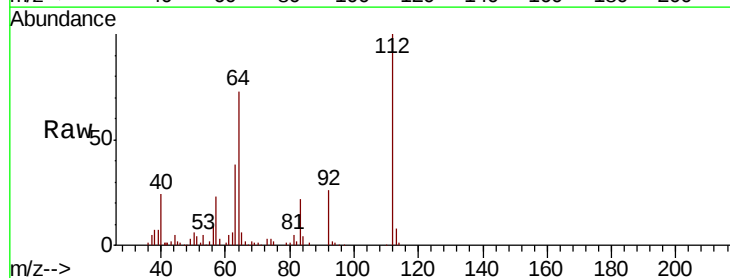
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



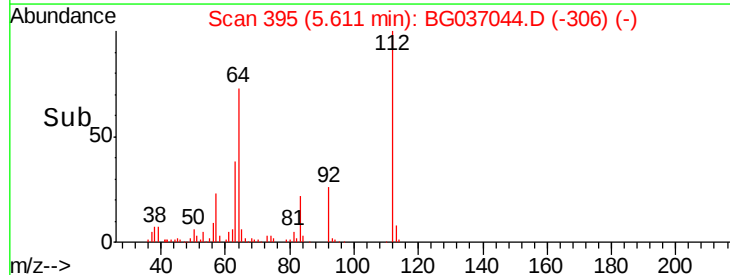
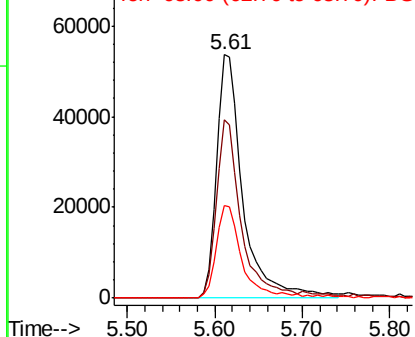
#5

2-Fluorophenol
 Concen: 51.455 ng
 RT: 5.61 min Scan# 395
 Delta R.T. -0.01 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Tgt Ion:112 Resp: 111743
 Ion Ratio Lower Upper
 112 100
 64 73.0 57.2 85.8
 63 38.3 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: 27.988 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

Instrument :

BNA_G

ClientSampled :

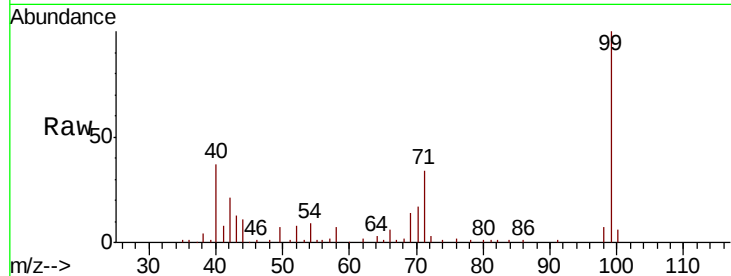
Tot Ion: 99 Resp: 94039

Ion Ratio Lower Upper

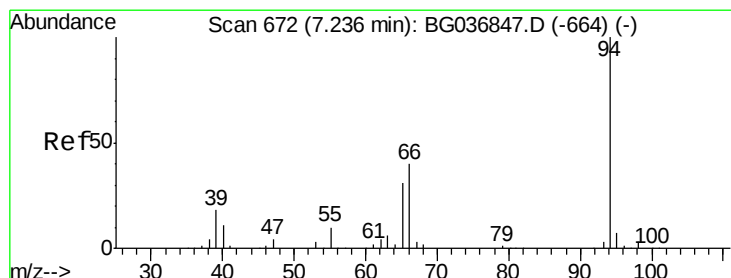
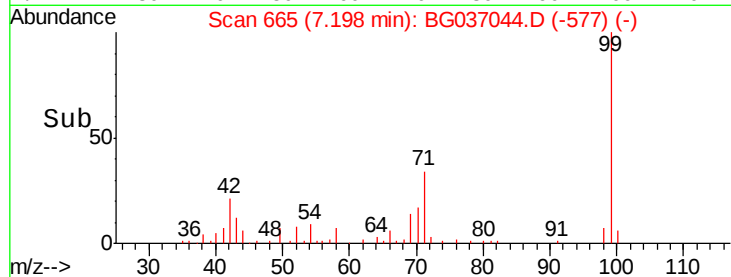
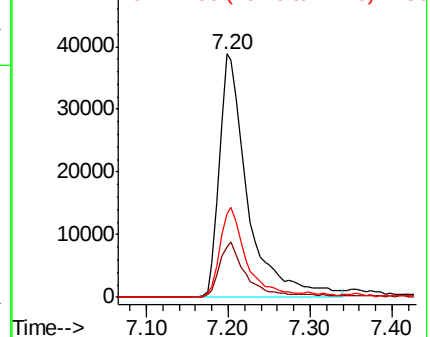
99 100

42 20.8 16.5 24.7

71 34.3 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



#10

Phenol

Concen: 2.885 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

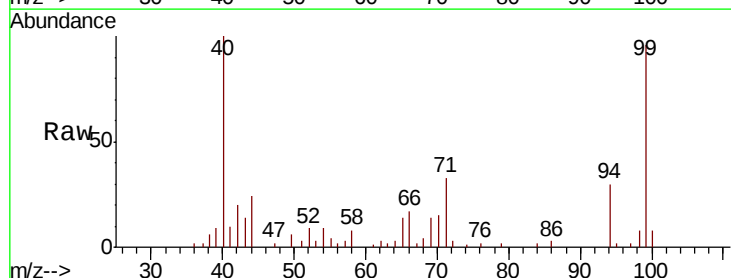
Tgt Ion: 94 Resp: 10005

Ion Ratio Lower Upper

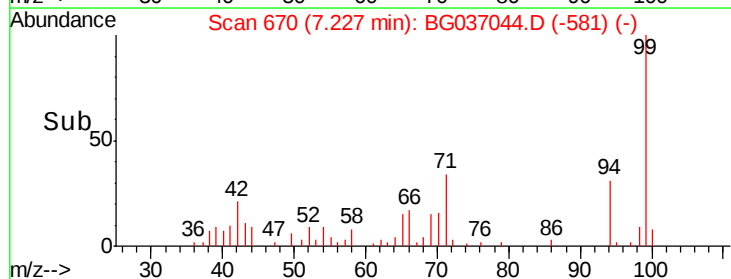
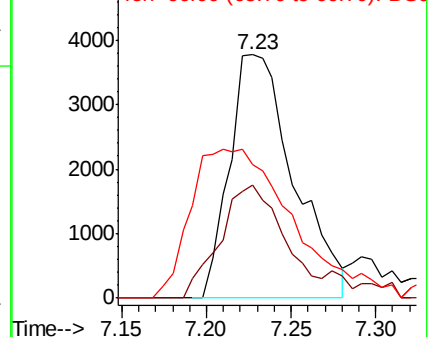
94 100

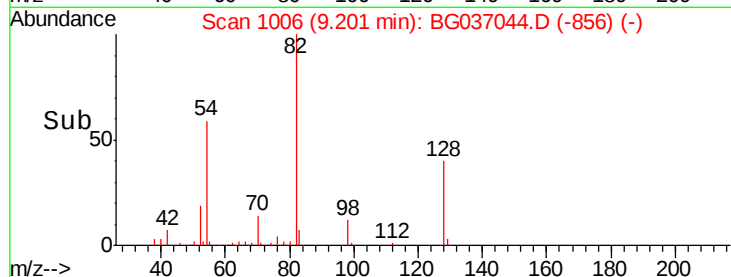
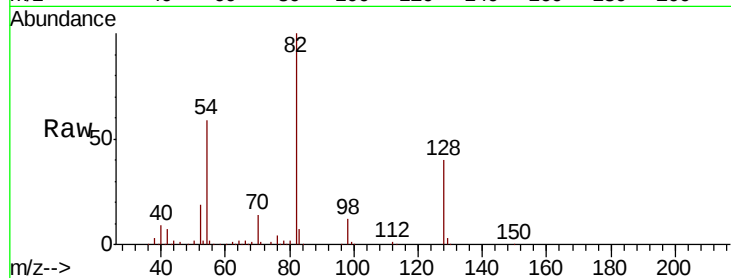
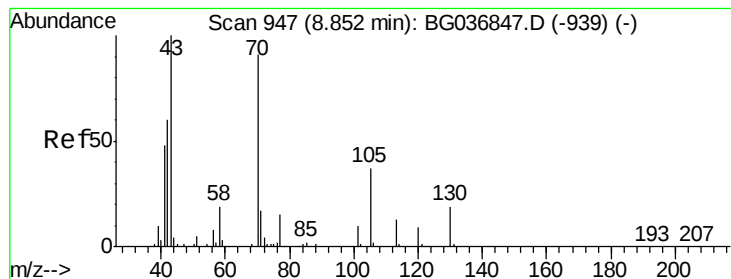
65 46.5 11.5 51.5

66 55.0 19.5 59.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 16.119 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 45053

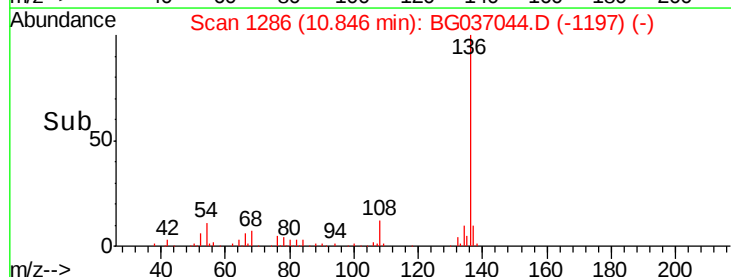
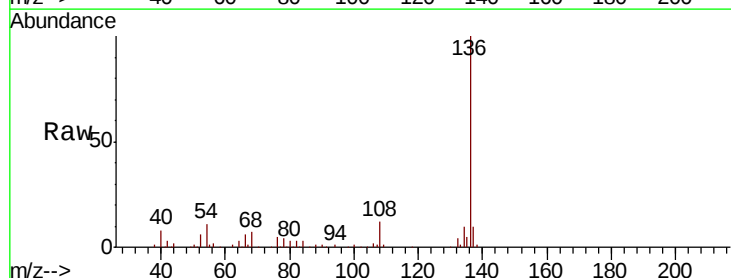
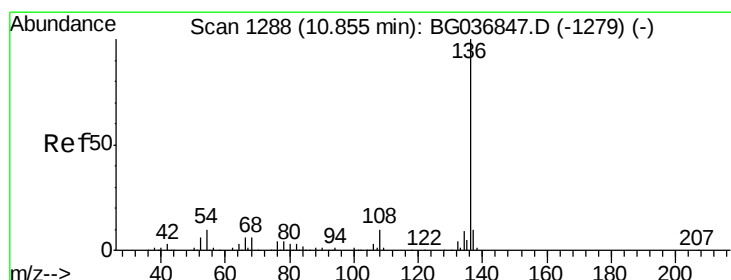
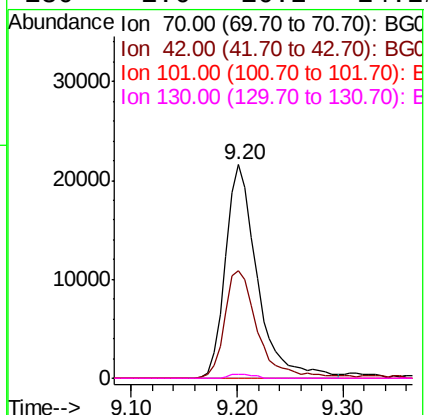
Ion Ratio Lower Upper

70 100

42 50.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

Tgt Ion: 136 Resp: 165585

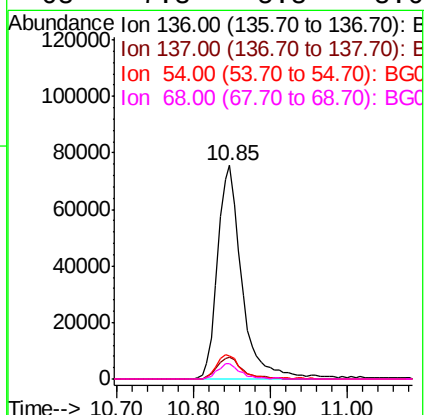
Ion Ratio Lower Upper

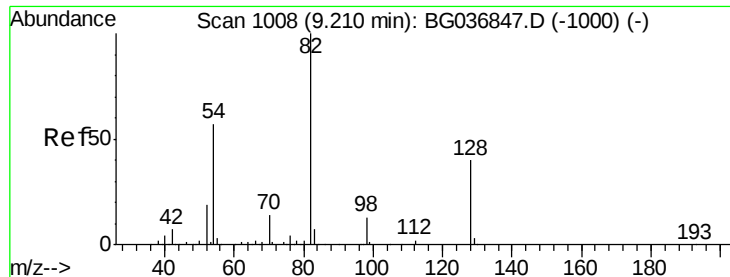
136 100

137 10.3 8.8 13.2

54 10.6 9.2 13.8

68 7.3 5.8 8.6

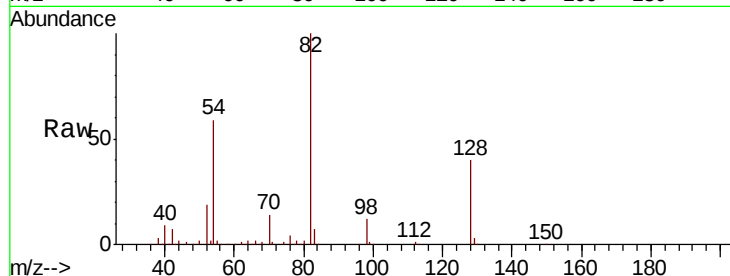




#23
Nitrobenzene-d5
Concen: 110.623 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037044.D
Acq: 28 Sep 2018 10:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	342056
Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.3	49.9
54	59.4	45.1	67.7

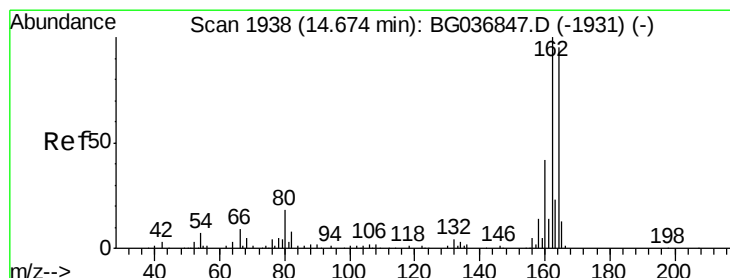
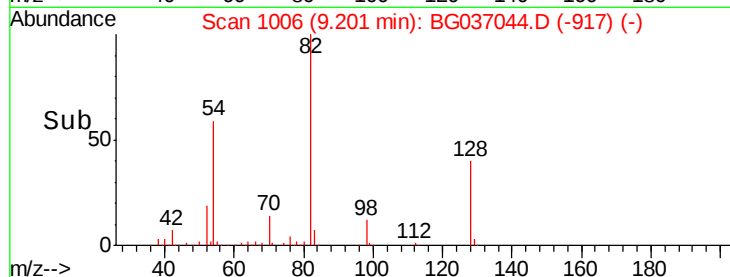
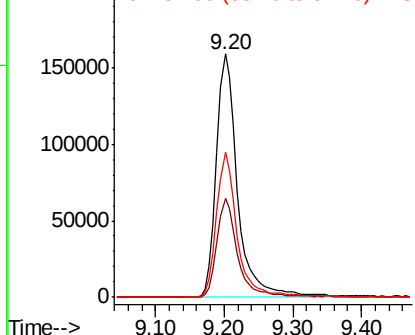


Abundance

Ion 82.00 (81.70 to 82.70): BGC

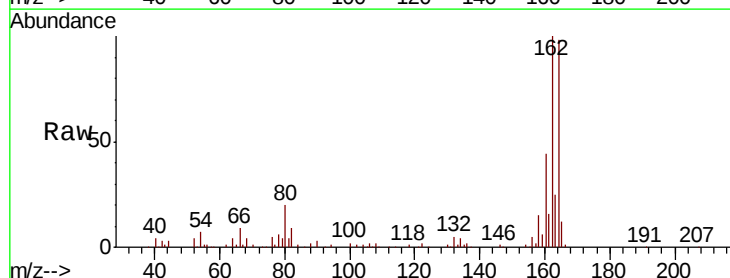
Ion 128.00 (127.70 to 128.70): BGC

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: BG037044.D
Acq: 28 Sep 2018 10:50

Tgt Ion	164	Resp	104742
Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.7	121.1
160	44.7	35.3	52.9

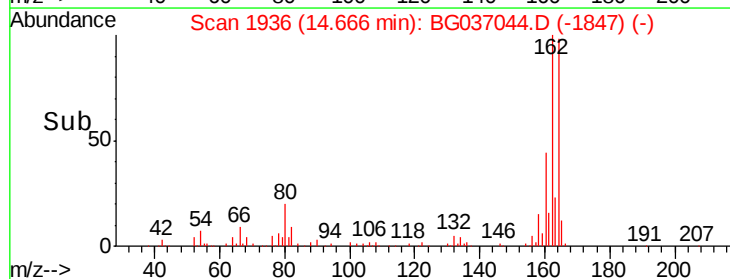
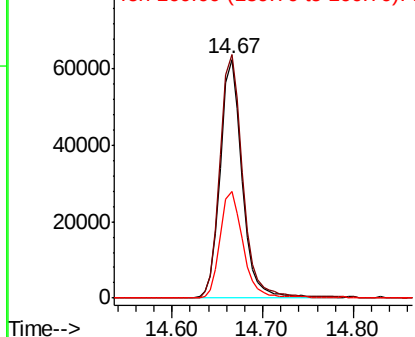


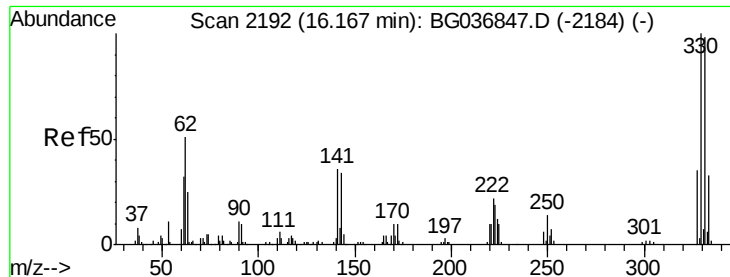
Abundance

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

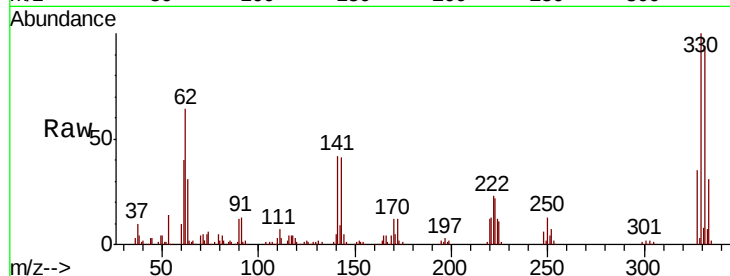




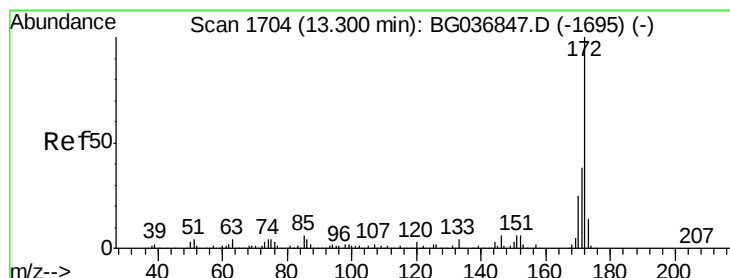
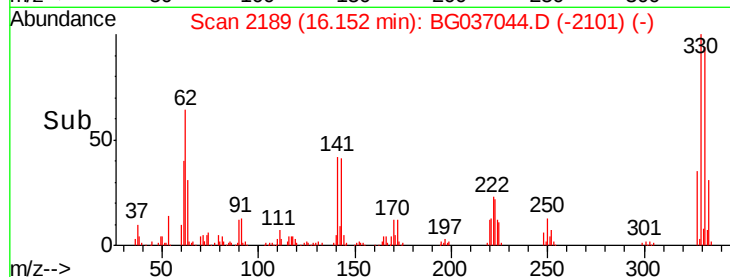
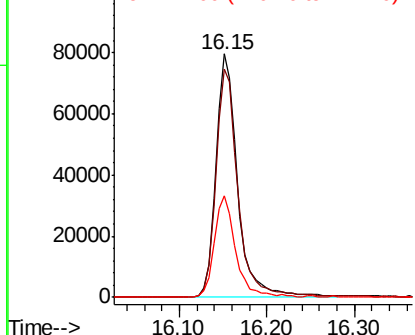
#41
 2,4,6-Tribromophenol
 Concen: 109.417 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 137118
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.4 113.2
 141 41.1 30.7 46.1

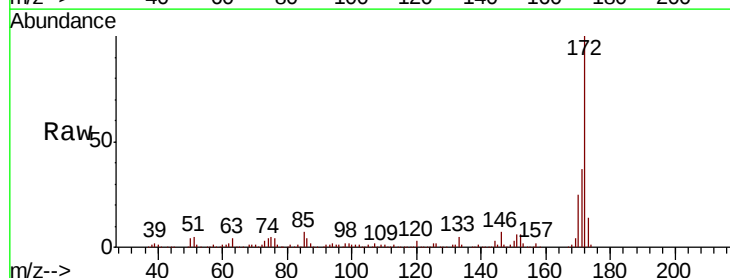


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

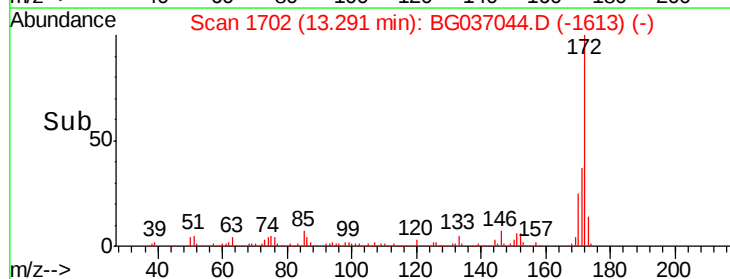
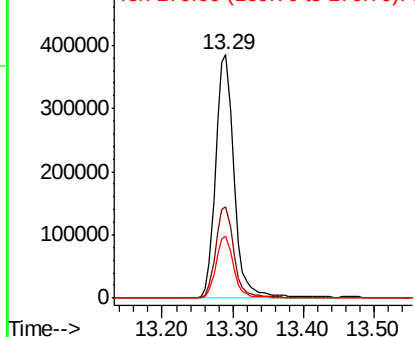


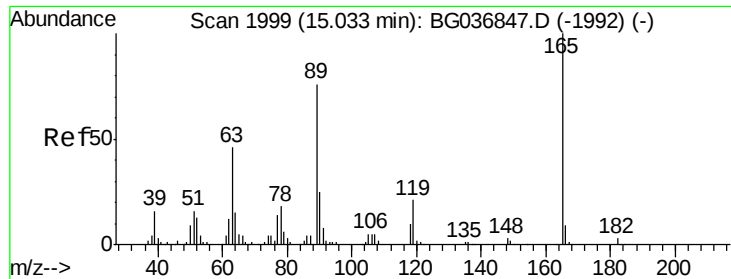
#44
 2-Fluorobiphenyl
 Concen: 100.119 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Tgt Ion:172 Resp: 704094
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.3 46.9
 170 25.3 21.0 31.6



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

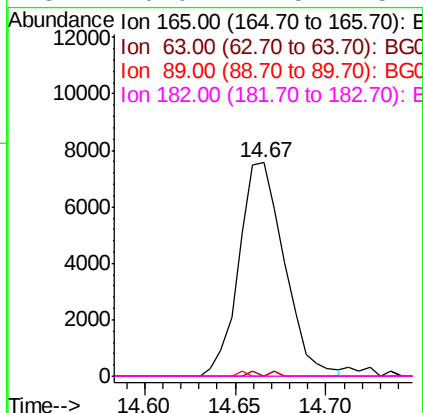
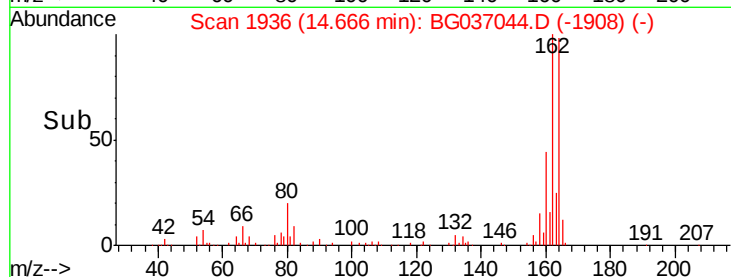
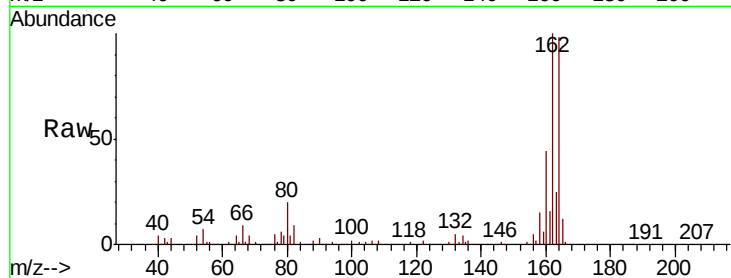




#56
 2,4-Dinitrotoluene
 Concen: 5.125 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

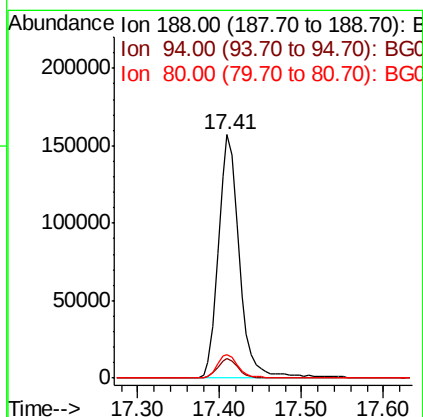
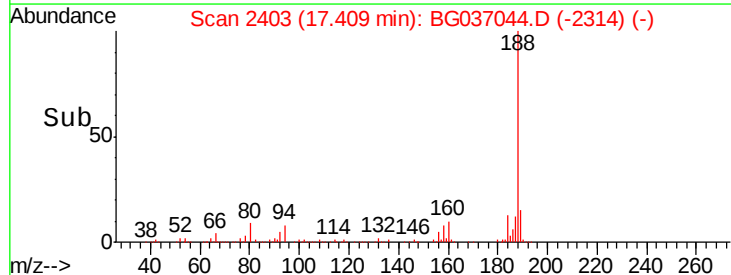
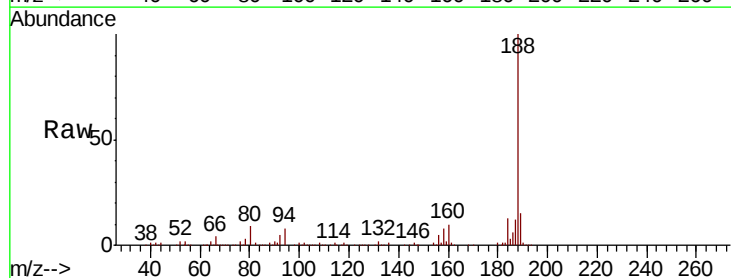
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp: 13155
Ion Ratio	Lower Upper
165 100	
63 0.0	40.1 60.1#
89 0.0	63.7 95.5#
182 0.0	2.5 3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Tgt	Ion:188	Resp:	280576
Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	9.5	8.1	12.1

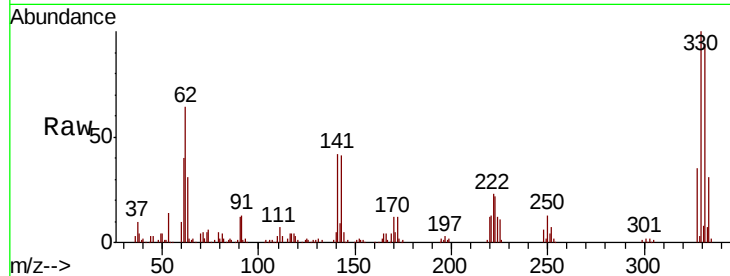




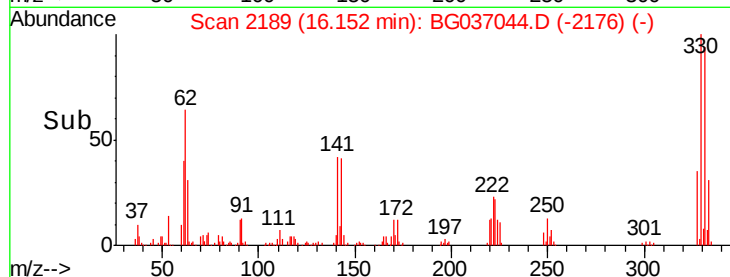
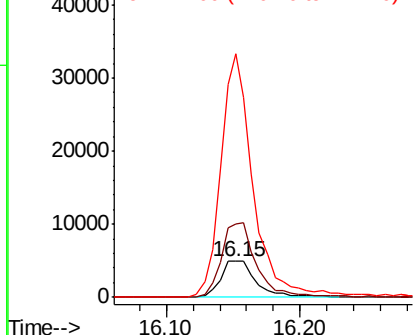
#66
 4-Bromophenyl-phenylether
 Concen: 2.921 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9322
 Ion Ratio Lower Upper
 248 100
 250 203.2 78.1 117.1#
 141 675.9 53.7 80.5#

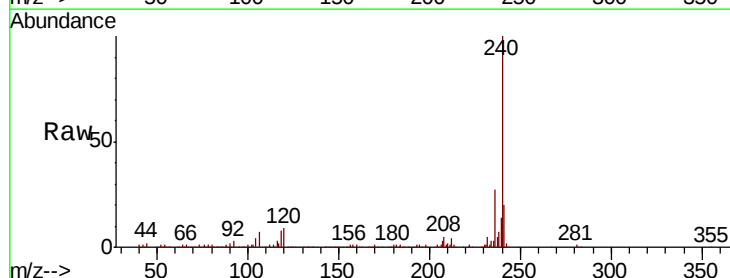


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

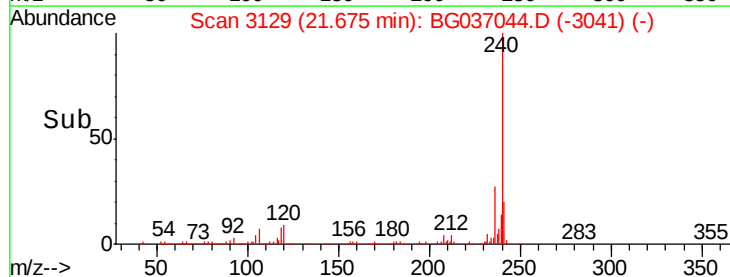
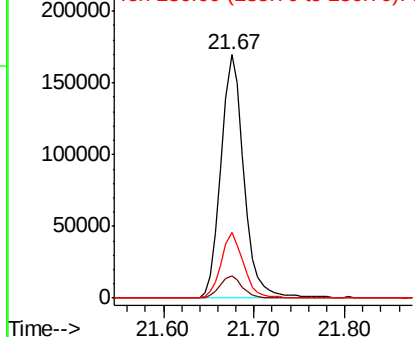


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Tgt Ion:240 Resp: 298791
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.9 10.3
 236 27.1 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: 2.655 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

Instrument :

BNA_G

ClientSampled :

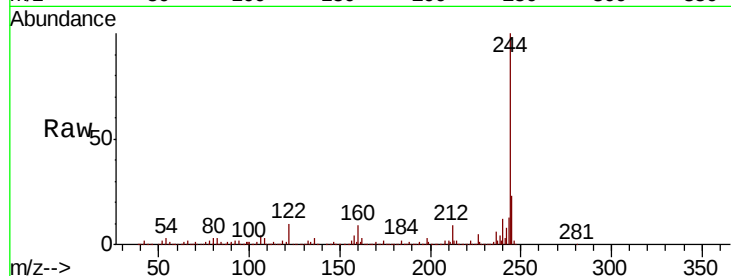
Tot Ion:184 Resp: 23983

Ion Ratio Lower Upper

184 100

185 17.1 12.6 18.8

183 10.9 10.9 16.3

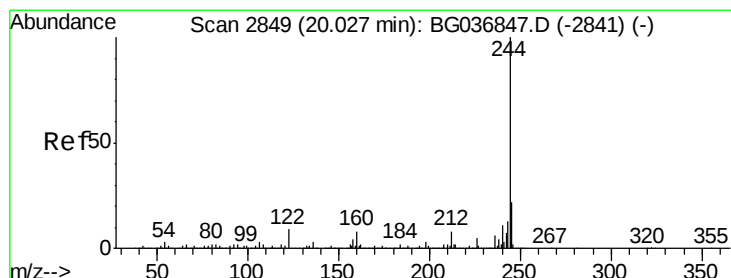
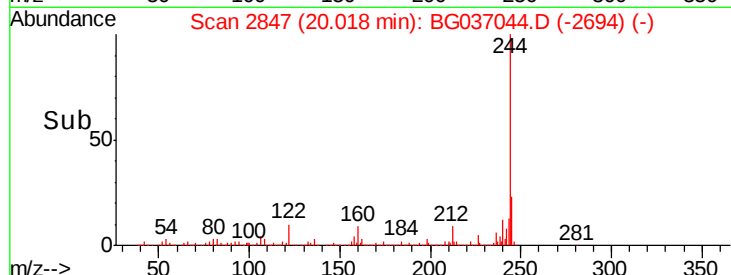
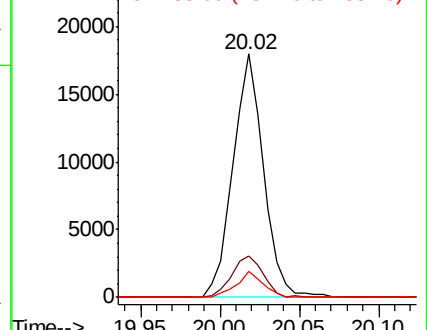


Abundance

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: 114.186 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037044.D

Acq: 28 Sep 2018 10:50

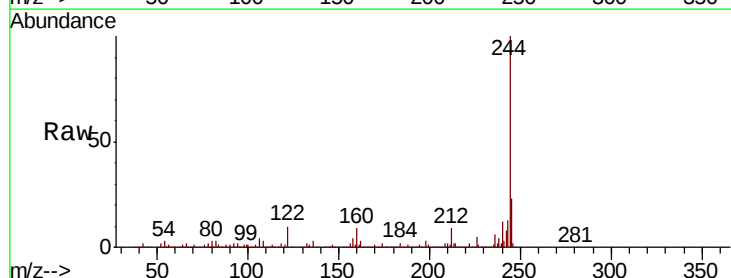
Tgt Ion:244 Resp: 1297504

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

122 10.0 7.1 10.7

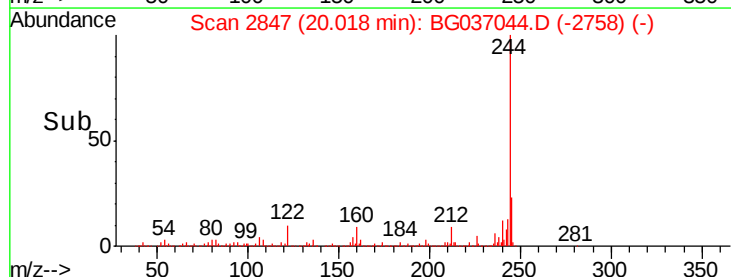
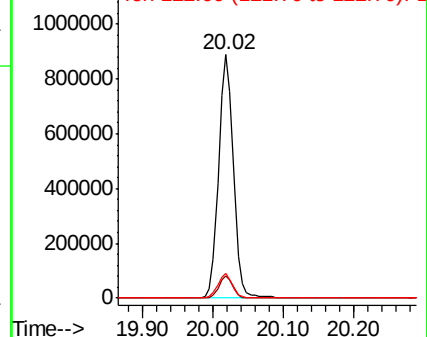


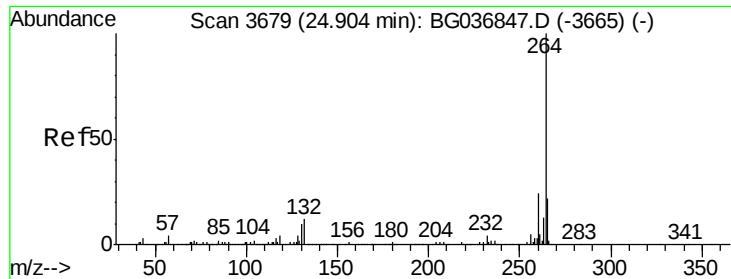
Abundance

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

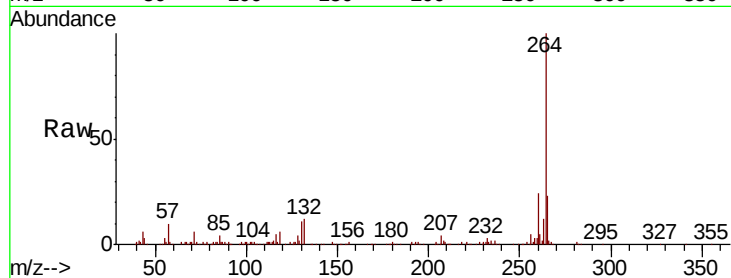




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3674
 Delta R.T. -0.03 min
 Lab File: BG037044.D
 Acq: 28 Sep 2018 10:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	301875
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	22.6	17.4	26.0



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

