

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092818\
 Data File : BG037055.D
 Acq On : 28 Sep 2018 18:25
 Operator : JU/SJ
 Sample : J4777-40
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 19:06:57 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

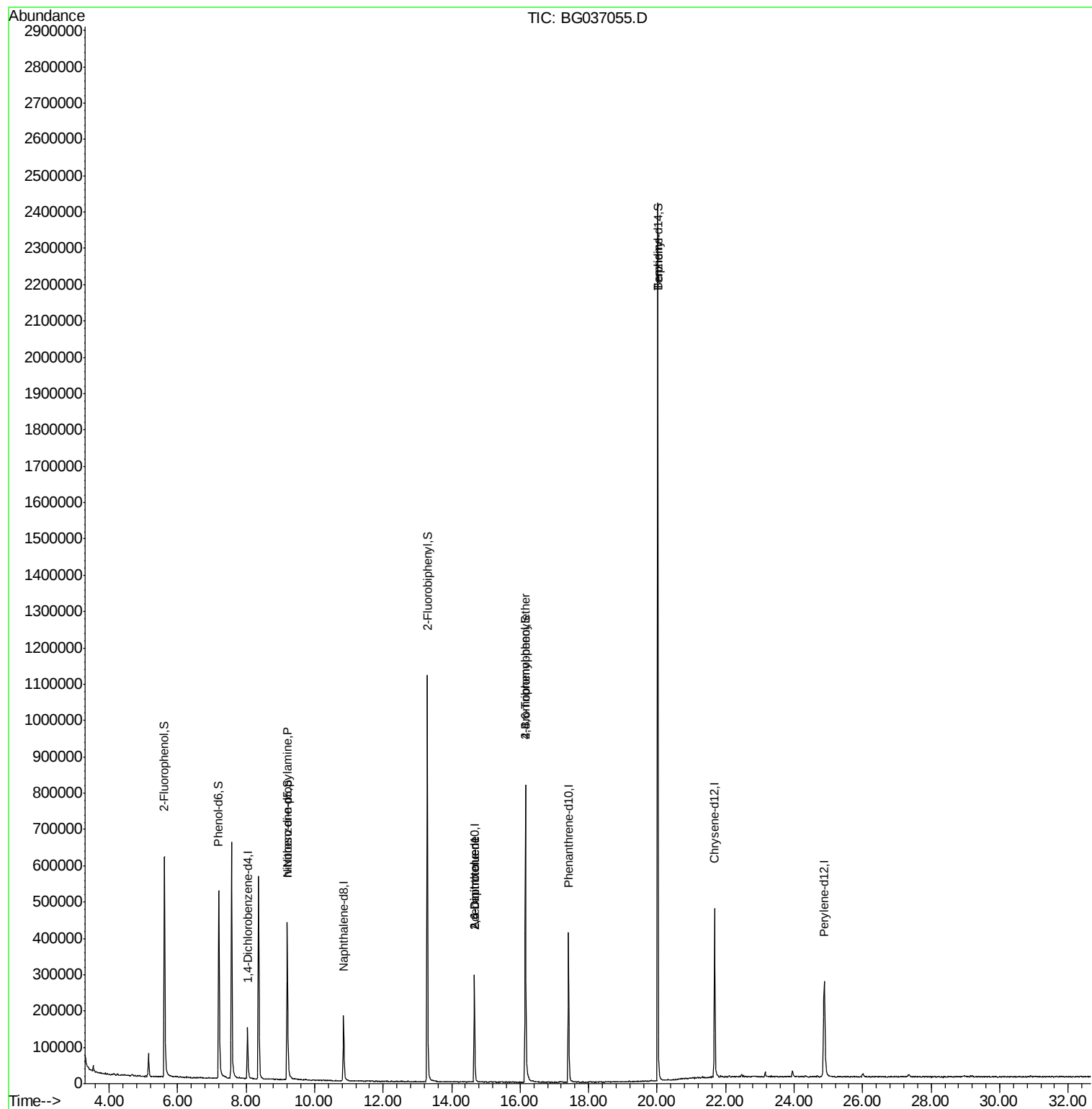
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	45349	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	180274	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	115045	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	302184	20.00	ng	0.00
75) Chrysene-d12	21.67	240	321459	20.00	ng	-0.01
86) Perylene-d12	24.88	264	318780	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	290545	122.87	ng	0.00
7) Phenol-d6	7.20	99	347740	95.05	ng	-0.01
23) Nitrobenzene-d5	9.20	82	315333	93.67	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	170551	123.91	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	640678	82.94	ng	0.00
78) Terphenyl-d14	20.02	244	1174810	96.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40885	13.434	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	14394	7.124	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14395	5.106	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	12016	3.496	ng	# 1
76) Benzidine	20.02	184	21148	2.176	ng	# 92

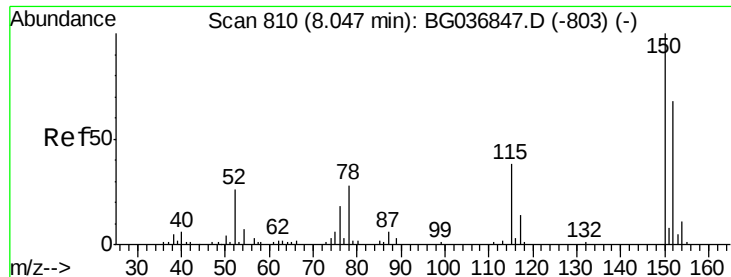
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG037055.D

Acq: 28 Sep 2018 18:25

Instrument :

BNA_G

ClientSampleId :

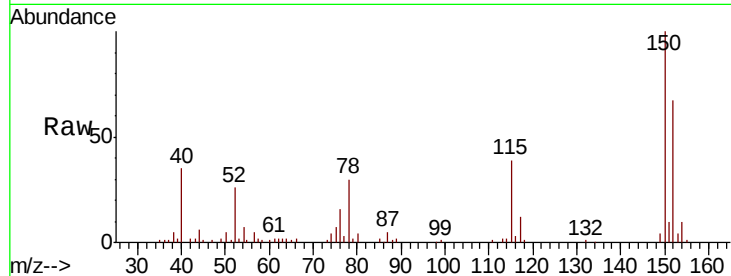
Tot Ion:152 Resp: 45349

Ion Ratio Lower Upper

152 100

150 148.3 119.5 179.3

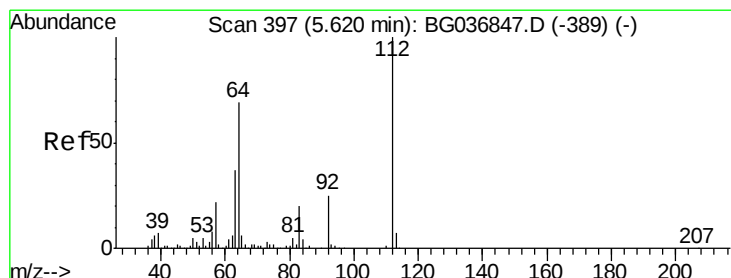
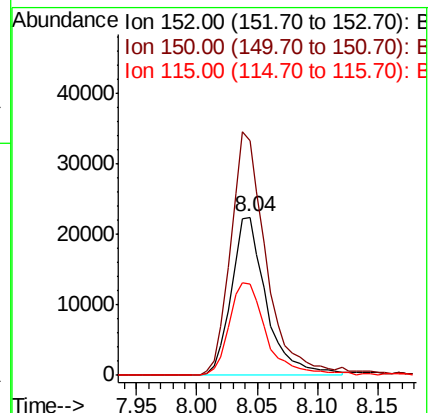
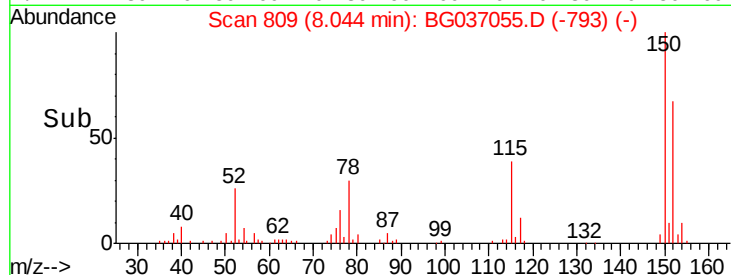
115 58.1 44.5 66.7



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: 122.870 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037055.D

Acq: 28 Sep 2018 18:25

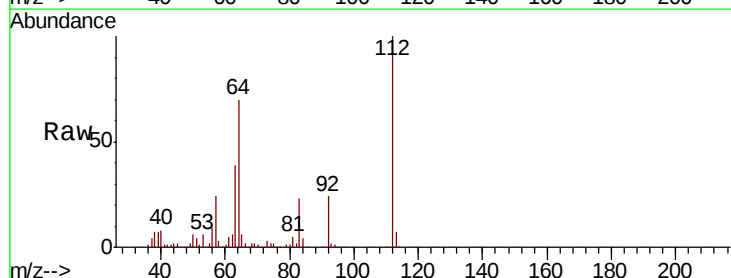
Tgt Ion:112 Resp: 290545

Ion Ratio Lower Upper

112 100

64 70.3 57.2 85.8

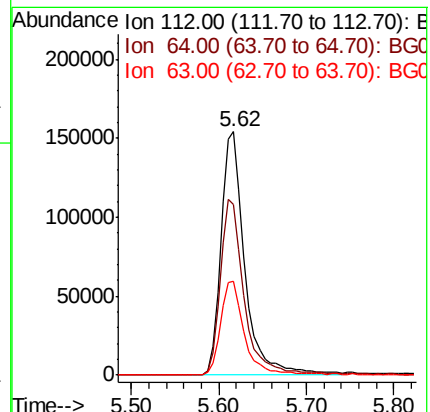
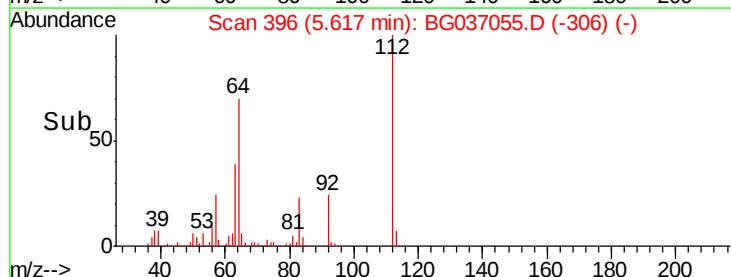
63 38.8 30.8 46.2



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: 95.049 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037055.D

Acq: 28 Sep 2018 18:25

Instrument :

BNA_G

ClientSampled :

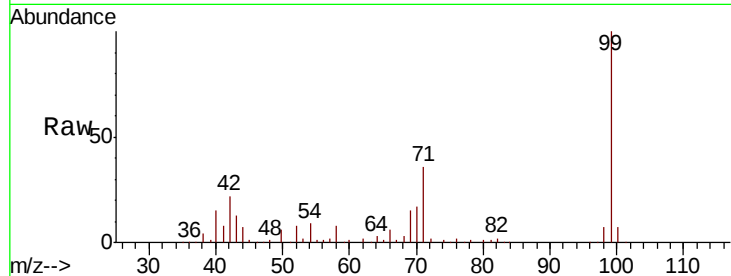
Tot Ion: 99 Resp: 347740

Ion Ratio Lower Upper

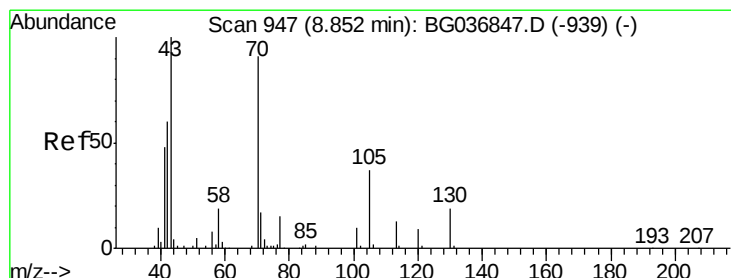
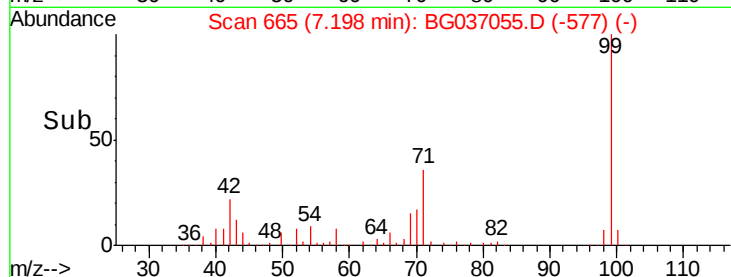
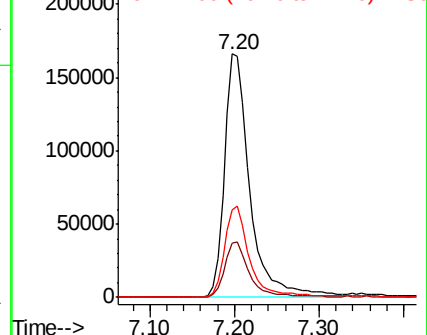
99 100

42 22.2 16.5 24.7

71 36.0 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: 13.434 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037055.D

Acq: 28 Sep 2018 18:25

Tgt Ion: 70 Resp: 40885

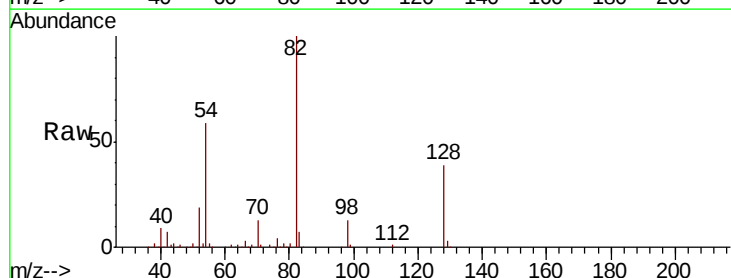
Ion Ratio Lower Upper

70 100

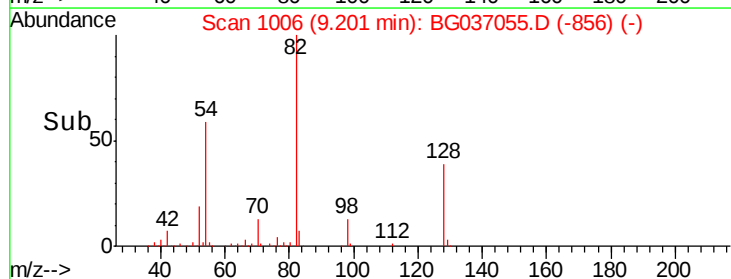
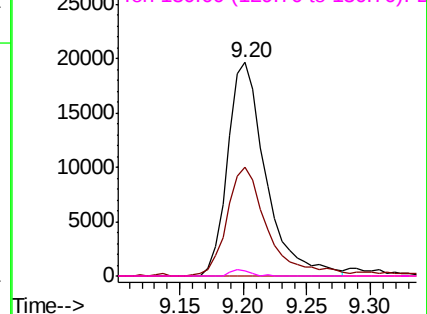
42 51.2 56.2 84.4#

101 0.0 7.8 11.6#

130 2.4 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

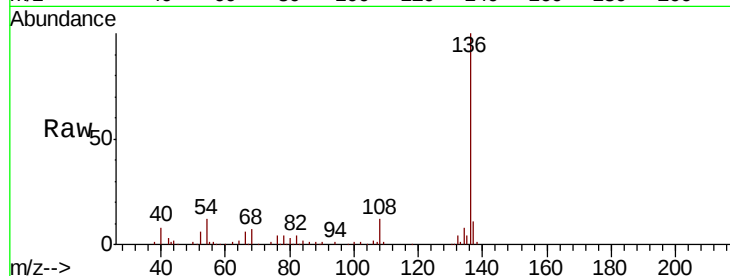




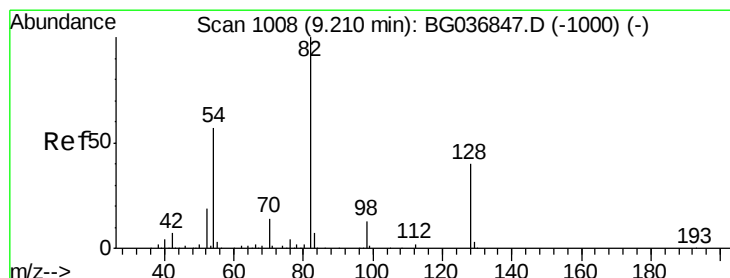
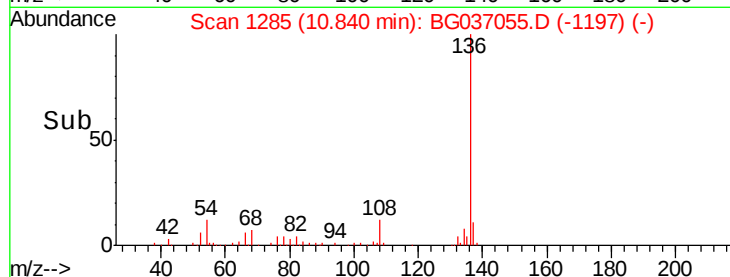
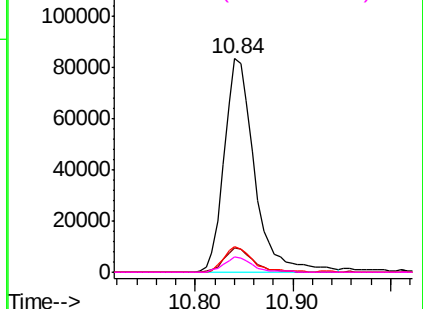
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BG037055.D
Acq: 28 Sep 2018 18:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	180274
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 12.1	9.2	13.8
68 7.0	5.8	8.6

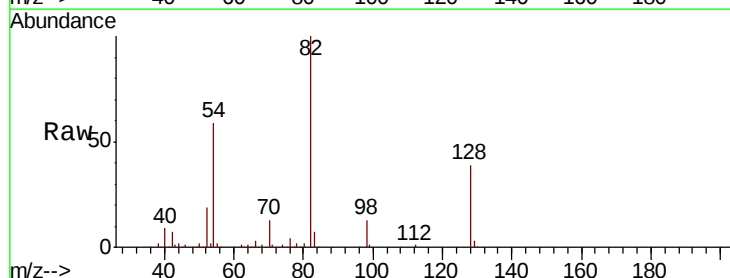


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

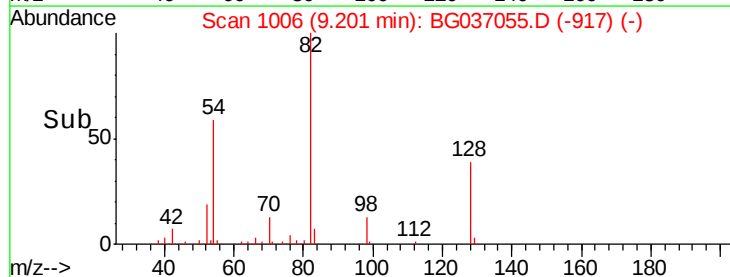
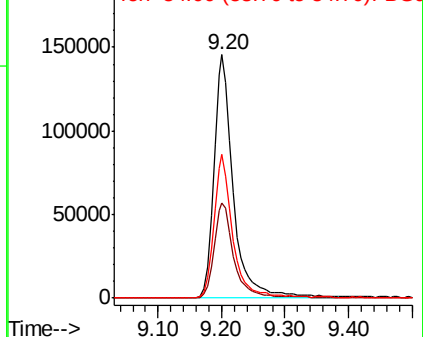


#23
Nitrobenzene-d5
Concen: 93.671 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037055.D
Acq: 28 Sep 2018 18:25

Tgt Ion: 82	Resp: 315333
Ion Ratio	Lower Upper
82 100	
128 39.1	33.3 49.9
54 58.9	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: BG037055.D

Acq: 28 Sep 2018 18:25

Instrument :

BNA_G

ClientSampleId :

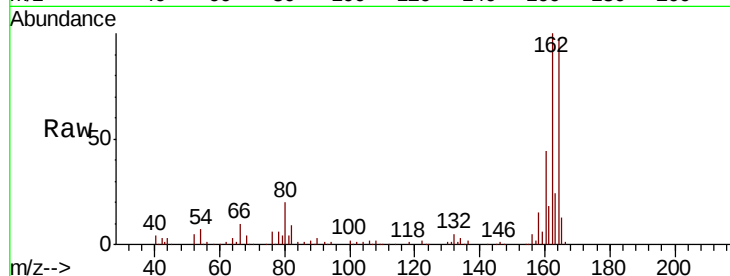
Tot Ion:164 Resp: 115045

Ion Ratio Lower Upper

164 100

162 102.8 80.7 121.1

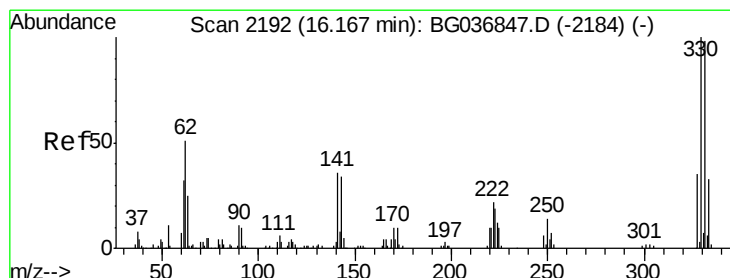
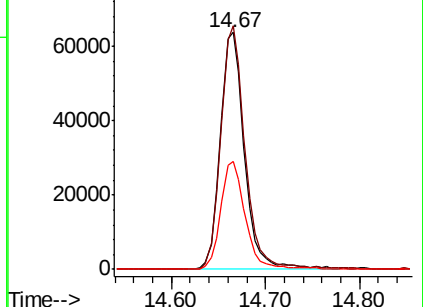
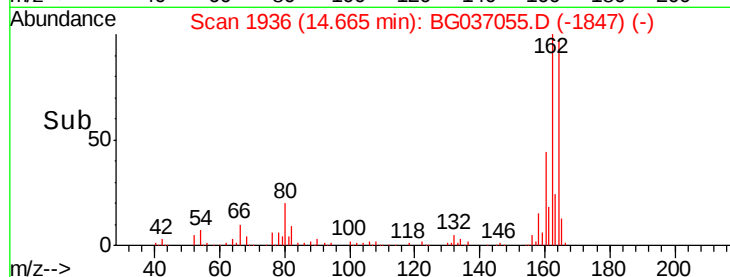
160 45.7 35.3 52.9



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: 123.907 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.01 min

Lab File: BG037055.D

Acq: 28 Sep 2018 18:25

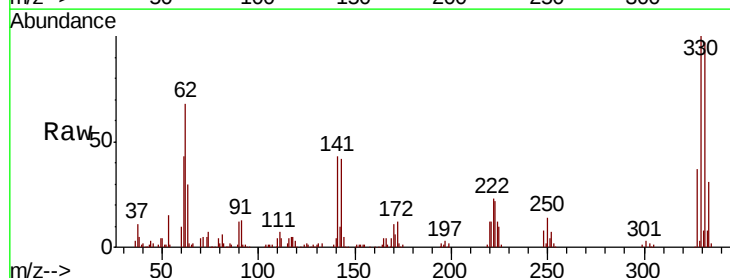
Tgt Ion:330 Resp: 170551

Ion Ratio Lower Upper

330 100

332 92.5 75.4 113.2

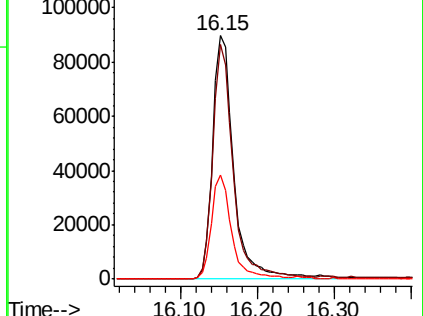
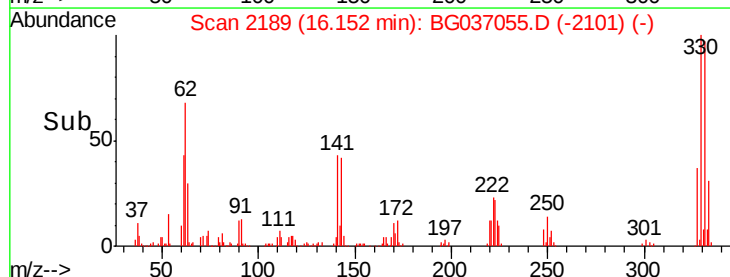
141 40.6 30.7 46.1



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

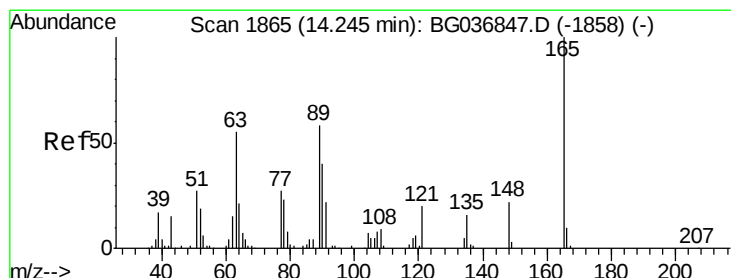
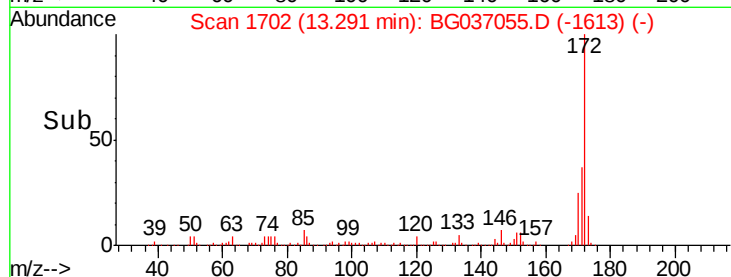
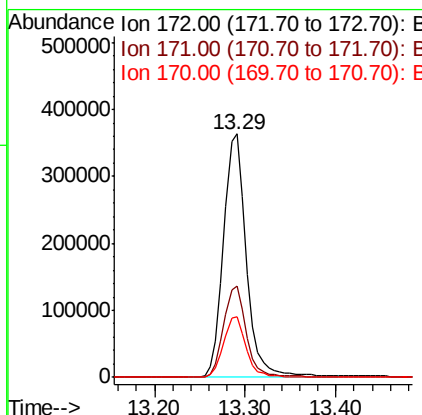
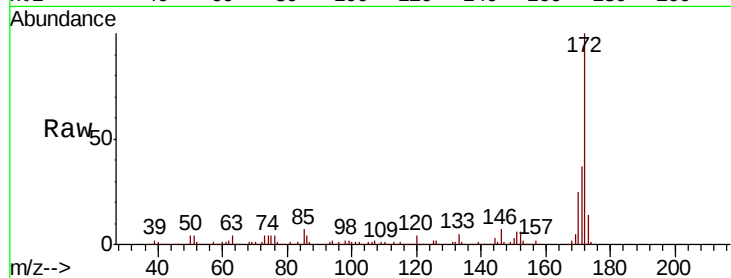




#44
 2-Fluorobiphenyl
 Concen: 82.943 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037055.D
 Acq: 28 Sep 2018 18:25

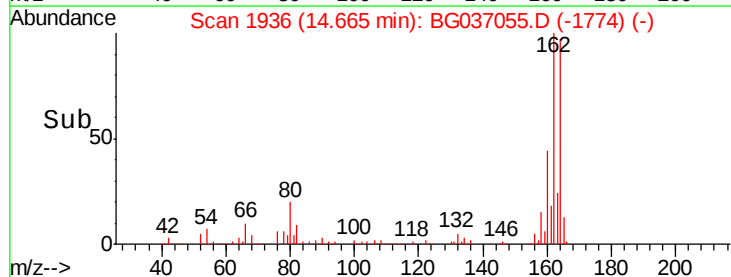
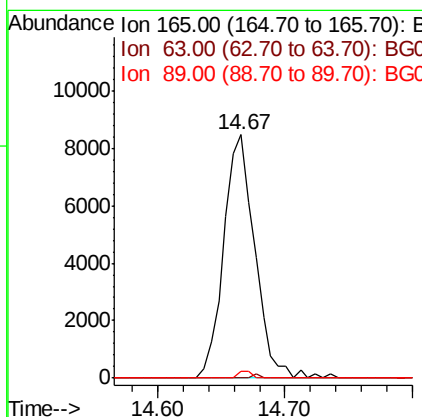
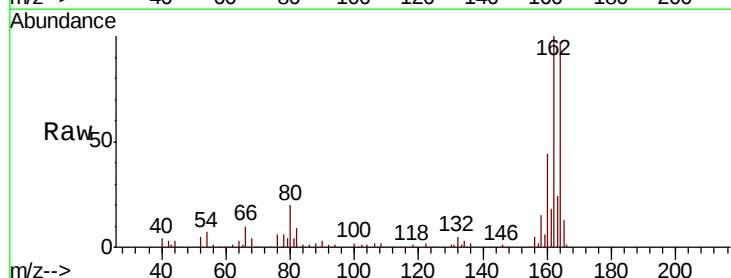
Instrument :
 BNA_G
 ClientSampled :

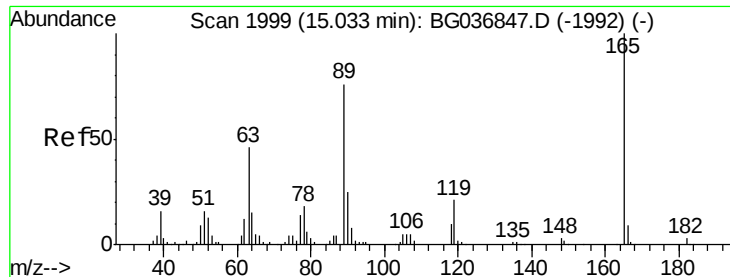
Tot Ion:172 Resp: 640678
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.3 46.9
 170 24.9 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.124 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037055.D
 Acq: 28 Sep 2018 18:25

Tgt Ion:165 Resp: 14394
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 2.8 47.8 71.6#

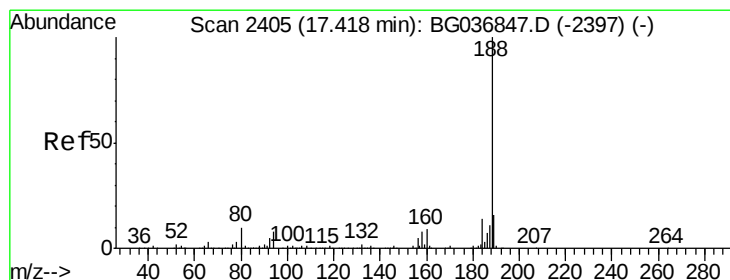
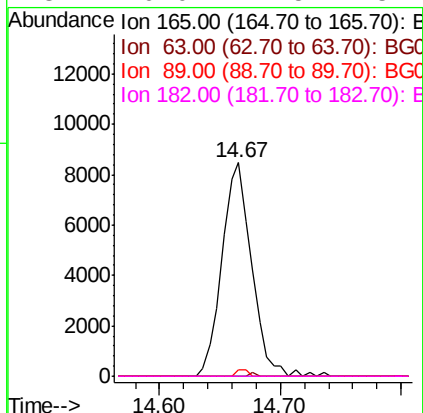
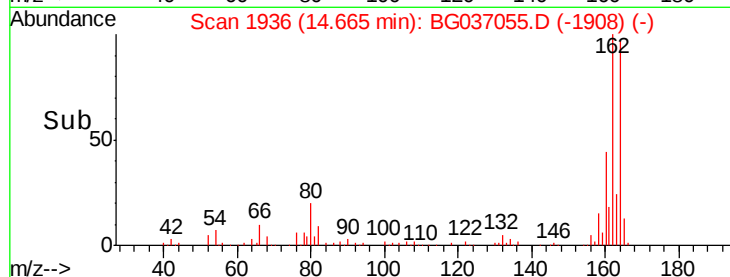
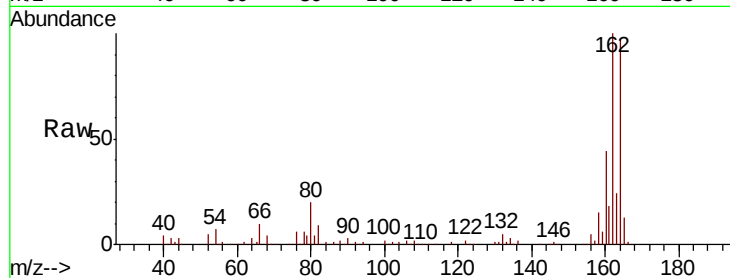




#56
 2,4-Dinitrotoluene
 Concen: 5.106 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037055.D
 Acq: 28 Sep 2018 18:25

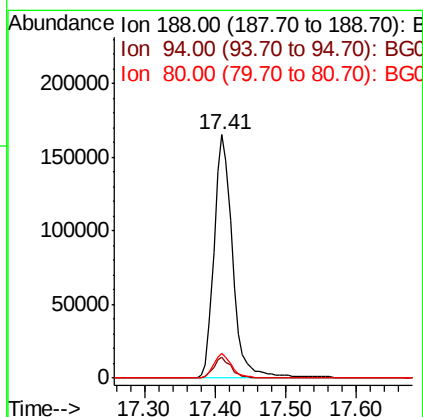
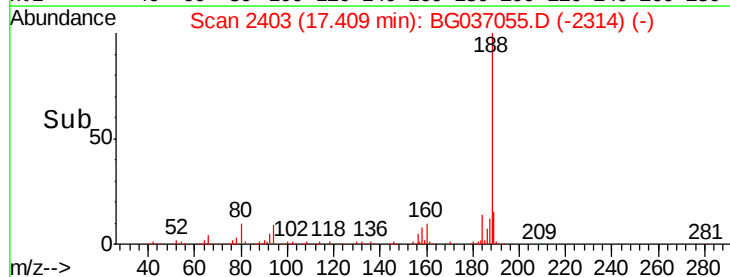
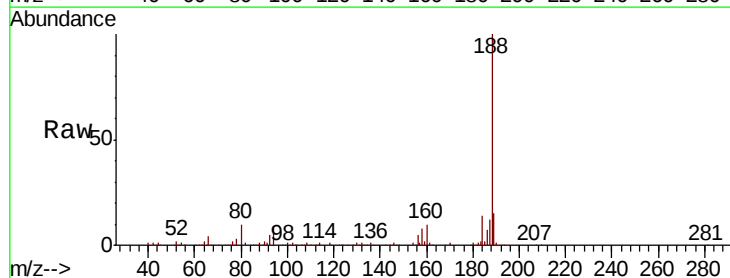
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp: 14395
Ion Ratio	Lower Upper
165 100	
63 0.0	40.1 60.1#
89 2.8	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: BG037055.D
 Acq: 28 Sep 2018 18:25

Tgt Ion	188	Resp: Lower	302184 Upper
	Ratio		
188	100		
94	8.8	6.7	10.1
80	10.3	8.1	12.1

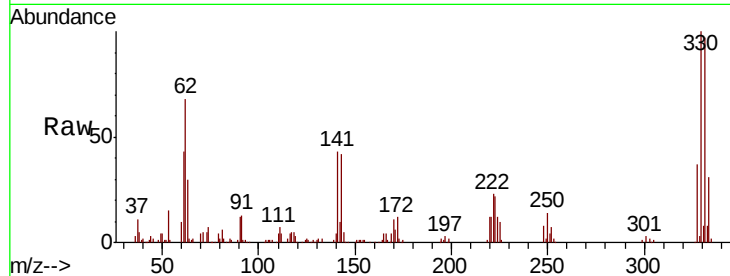




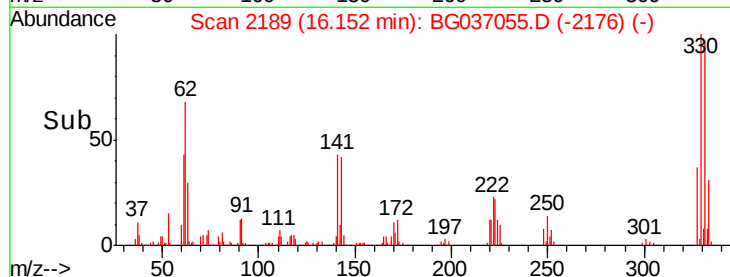
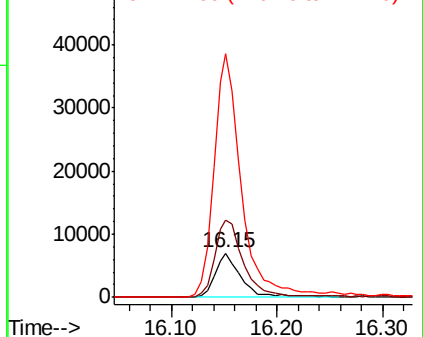
#66
 4-Bromophenyl-phenylether
 Concen: 3.496 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037055.D
 Acq: 28 Sep 2018 18:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 12016
 Ion Ratio Lower Upper
 248 100
 250 175.0 78.1 117.1#
 141 548.7 53.7 80.5#

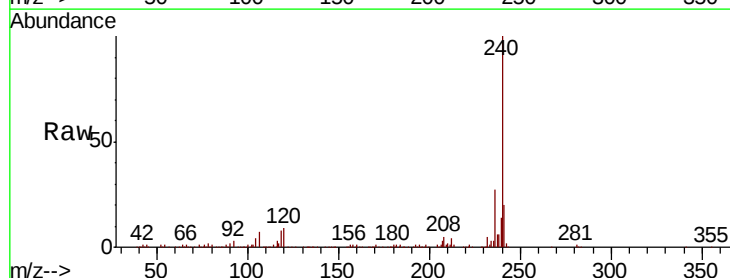


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

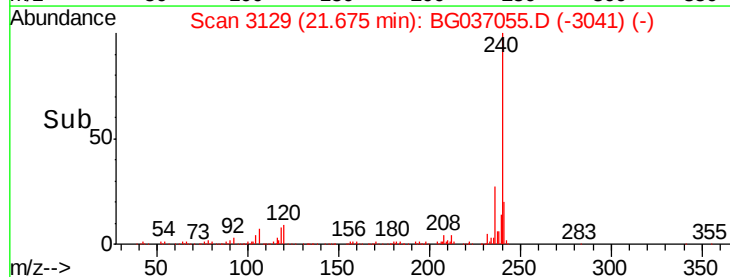
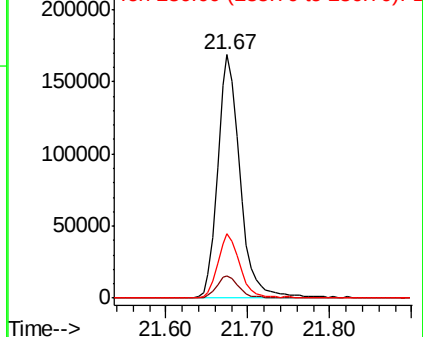


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.01 min
 Lab File: BG037055.D
 Acq: 28 Sep 2018 18:25

Tgt Ion:240 Resp: 321459
 Ion Ratio Lower Upper
 240 100
 120 9.0 6.9 10.3
 236 26.7 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

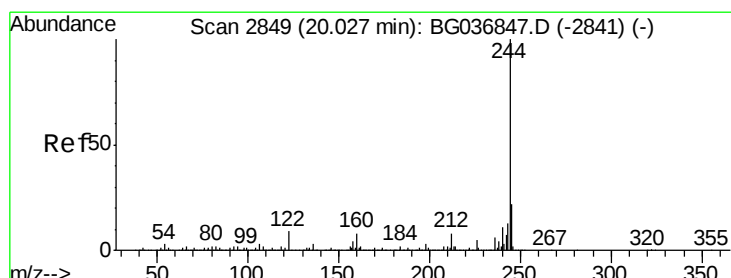
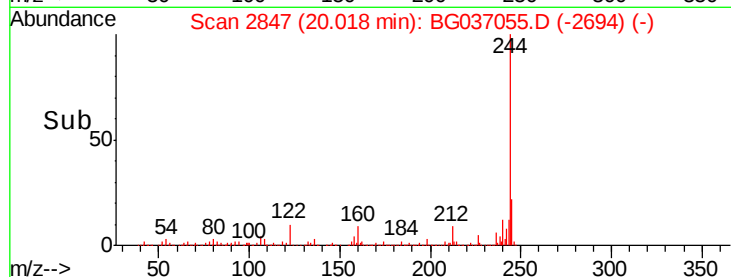
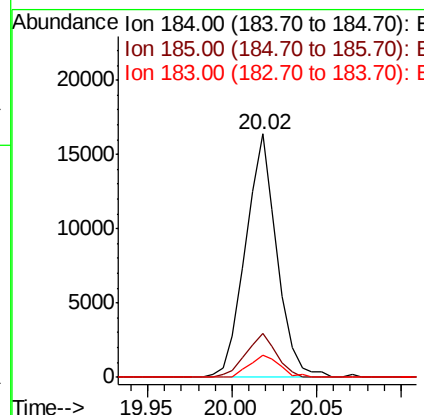
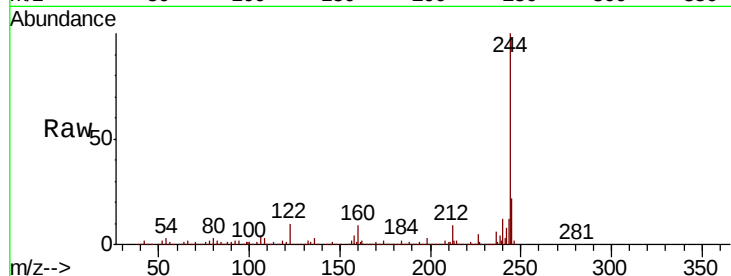




#76
Benzidine
Concen: 2.176 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG037055.D
Acq: 28 Sep 2018 18:25

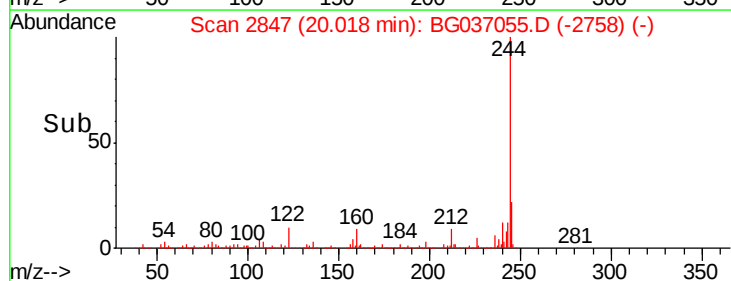
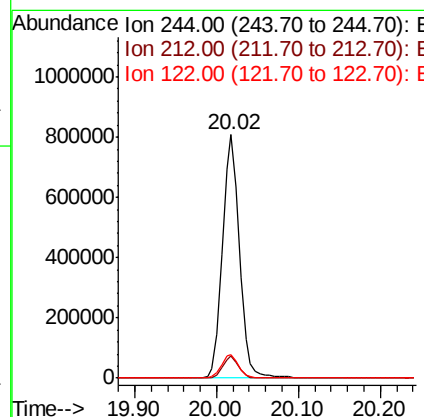
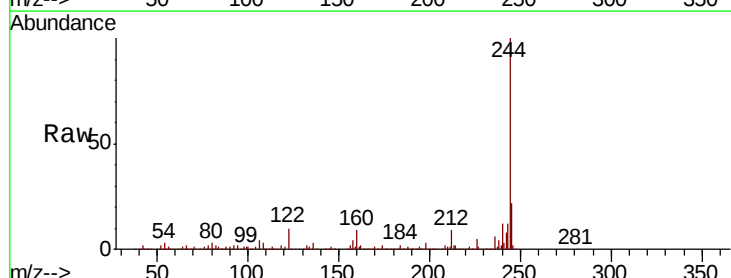
Instrument :
BNA_G
ClientSampleId :

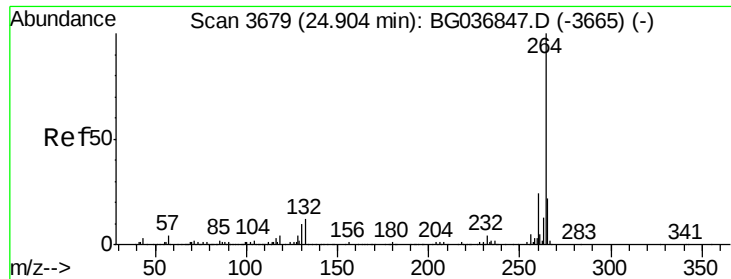
Tot Ion:184 Resp: 21148
Ion Ratio Lower Upper
184 100
185 17.9 12.6 18.8
183 9.0 10.9 16.3#



#78
Terphenyl-d14
Concen: 96.098 ng
RT: 20.02 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG037055.D
Acq: 28 Sep 2018 18:25

Tgt Ion:244 Resp: 1174810
Ion Ratio Lower Upper
244 100
212 8.9 7.0 10.6
122 9.9 7.1 10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3674
Delta R.T. -0.03 min
Lab File: BG037055.D
Acq: 28 Sep 2018 18:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.6	29.4
265	23.2	17.4	26.0

