

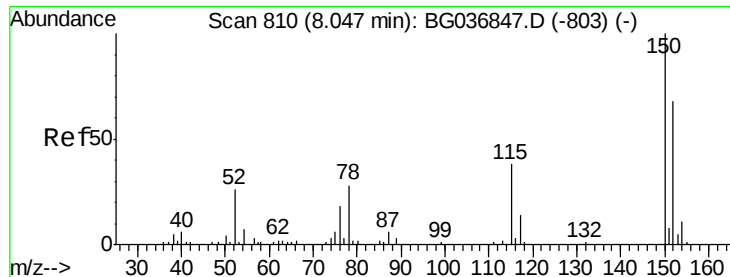
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037041.D
 Acq On : 28 Sep 2018 8:54
 Operator : JU/SJ
 Sample : J5076-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:25:54 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	42145	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	169983	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	105960	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	274565	20.00	ng	0.00
75) Chrysene-d12	21.68	240	296024	20.00	ng	-0.01
86) Perylene-d12	24.87	264	295893	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	108661	49.45	ng	0.00
7) Phenol-d6	7.20	99	91030	26.77	ng	-0.01
23) Nitrobenzene-d5	9.20	82	354175	111.58	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	130606	103.02	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	699365	98.30	ng	-0.01
78) Terphenyl-d14	20.02	244	1304137	115.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	47416	16.764	ng	Qvalue # 74
49) Dimethylphthalate	14.12	163	44238	5.187	ng	# 99
50) 2,6-Dinitrotoluene	14.66	165	14031	7.540	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	14031	5.403	ng	# 20
59) Diethylphthalate	15.47	149	20126	2.340	ng	# 99
66) 4-Bromophenyl-phenylether	16.15	248	9068	2.904	ng	# 1
76) Benzidine	20.02	184	24150	2.699	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

Instrument :

BNA_G

ClientSampleId :

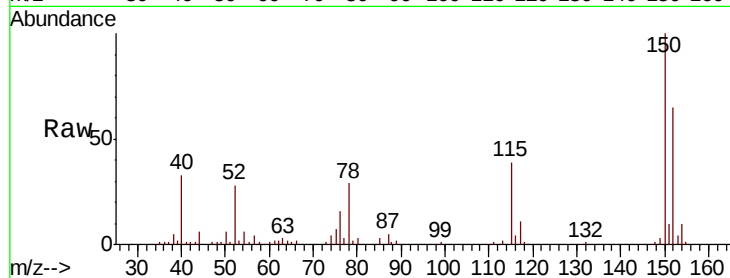
Tot Ion:152 Resp: 42145

Ion Ratio Lower Upper

152 100

150 154.0 119.5 179.3

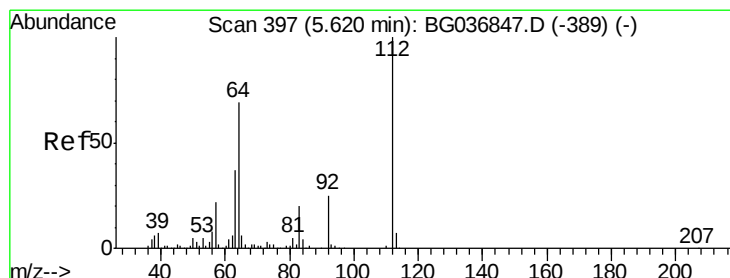
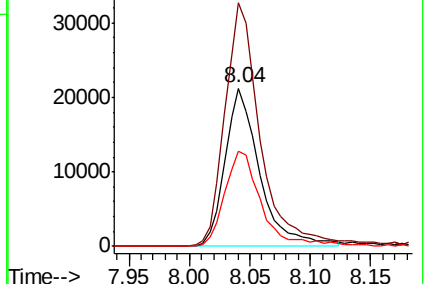
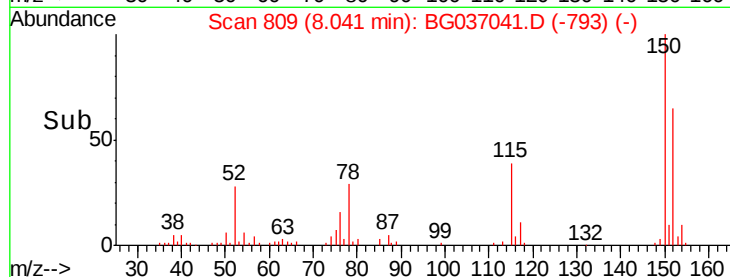
115 60.2 44.5 66.7



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: 49.446 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

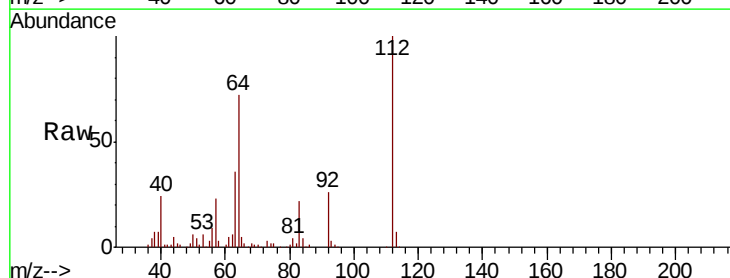
Tgt Ion:112 Resp: 108661

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

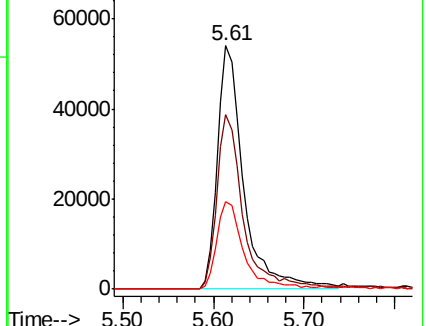
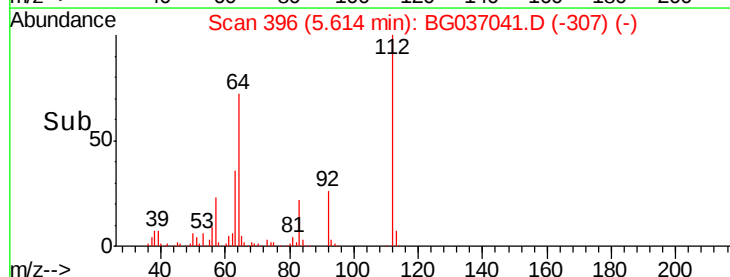
63 35.9 30.8 46.2

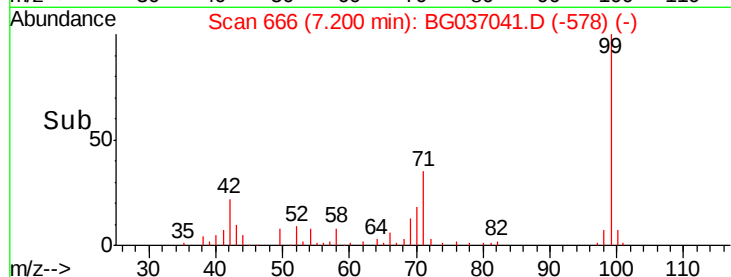
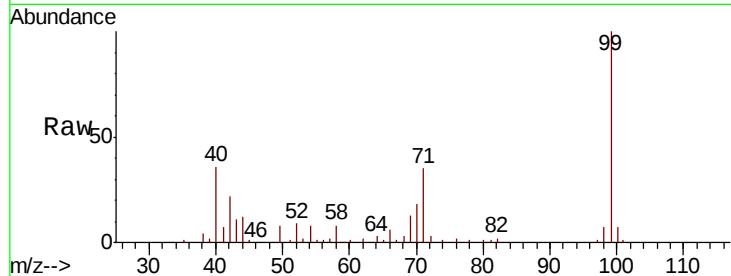


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

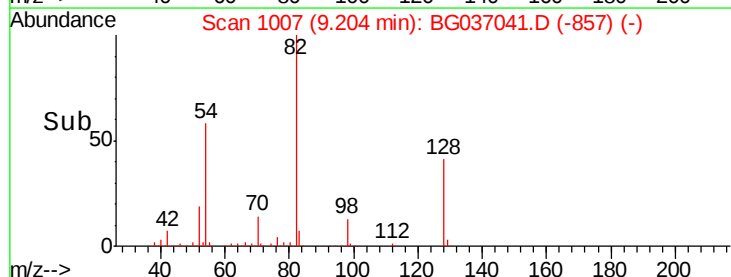
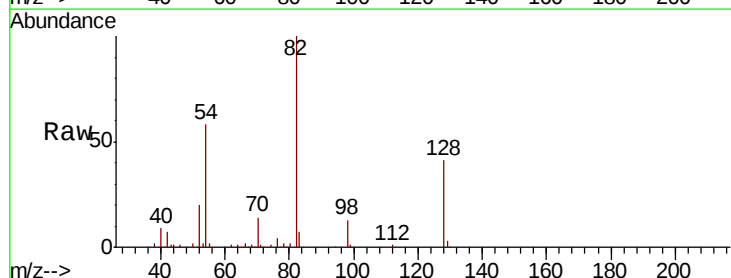
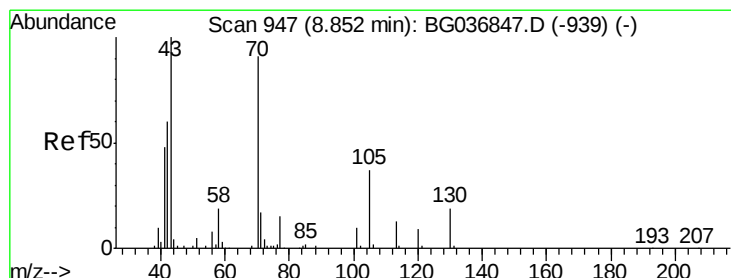
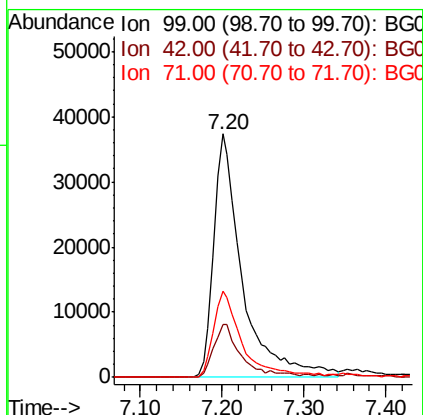




#7
Phenol-d6
Concen: 26.773 ng
RT: 7.20 min Scan# 666
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

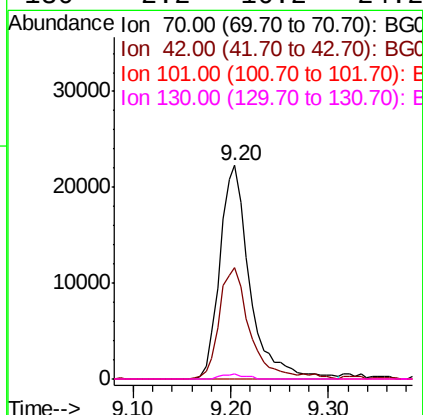
Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.5	24.7
71	35.3	29.4	44.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.764 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

Tgt Ion	Ratio	Lower	Upper
70	100		
42	52.0	56.2	84.4#
101	0.0	7.8	11.6#
130	2.2	16.2	24.2#

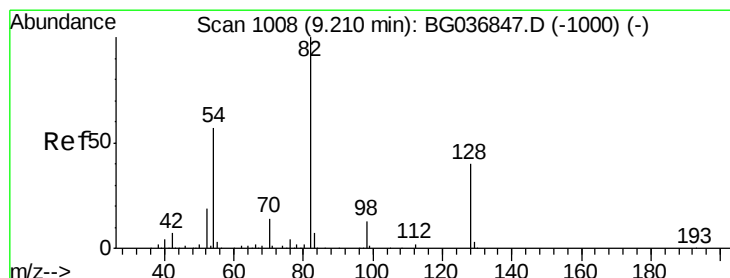
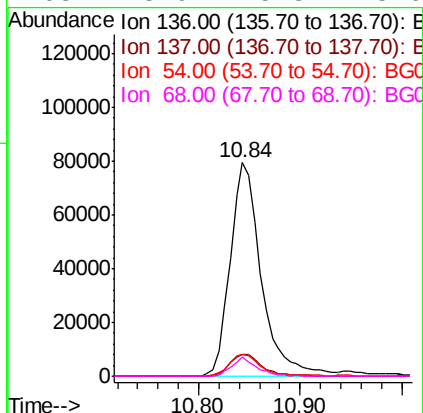
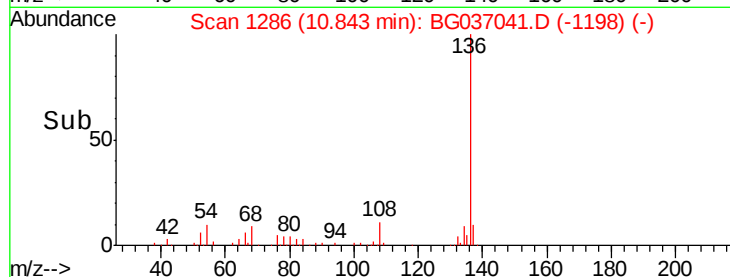
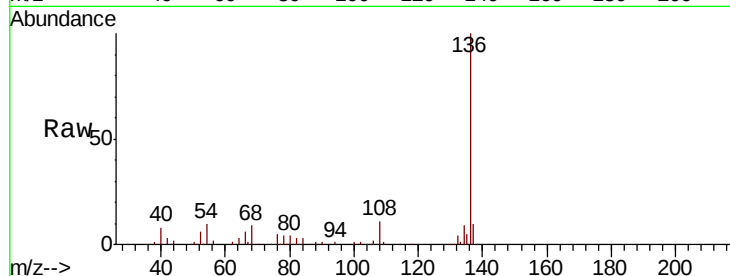




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

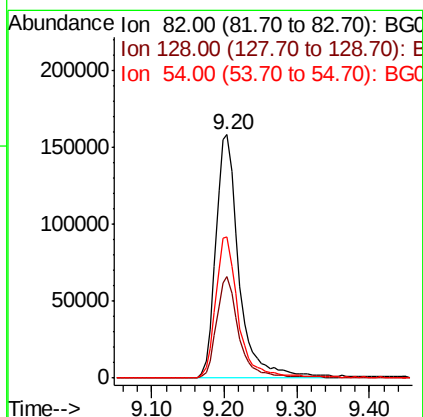
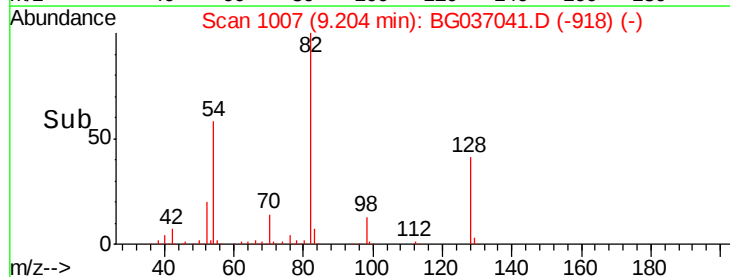
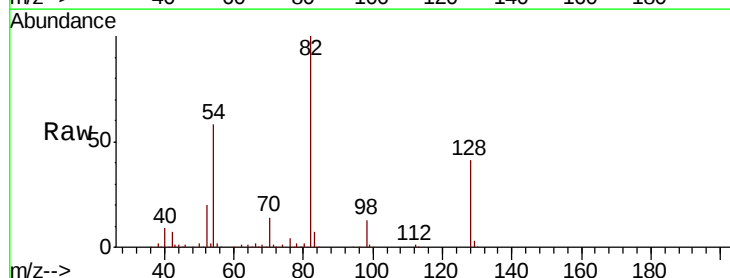
Instrument :
BNA_G
ClientSampleId :

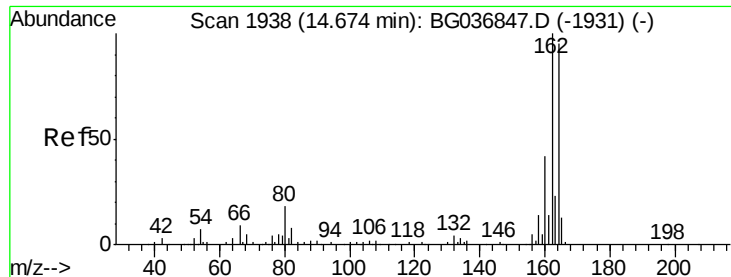
Tot Ion:136	Resp:	169983
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	10.5	9.2 13.8
68	8.9	5.8 8.6



#23
Nitrobenzene-d5
Concen: 111.578 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

Tgt Ion: 82	Resp:	354175
Ion	Ratio	Lower Upper
82	100	
128	41.5	33.3 49.9
54	58.1	45.1 67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

Instrument :

BNA_G

ClientSampled :

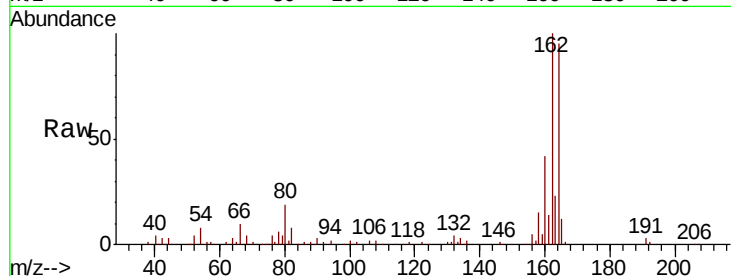
Tot Ion:164 Resp: 105960

Ion Ratio Lower Upper

164 100

162 104.8 80.7 121.1

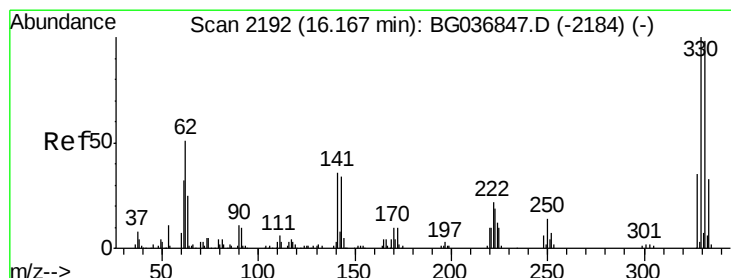
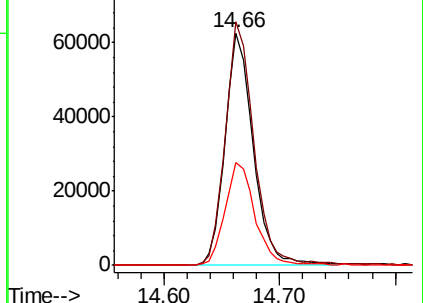
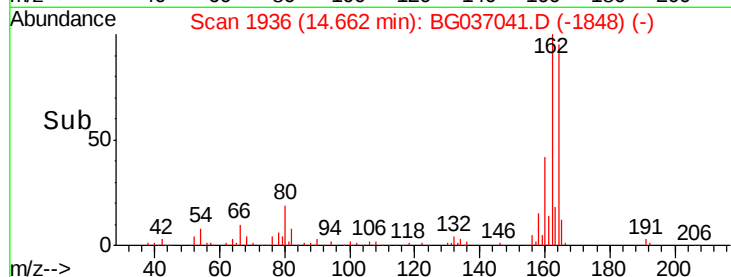
160 44.4 35.3 52.9



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: 103.022 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

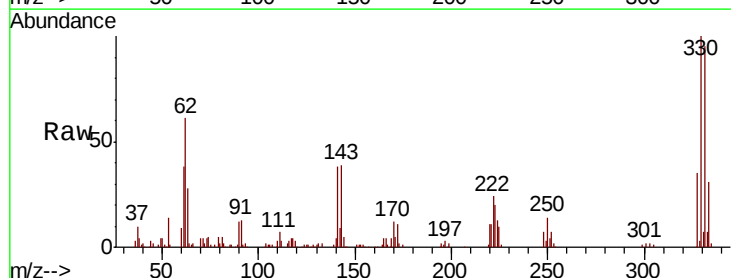
Tgt Ion:330 Resp: 130606

Ion Ratio Lower Upper

330 100

332 96.1 75.4 113.2

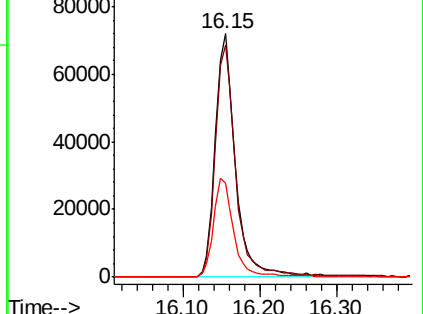
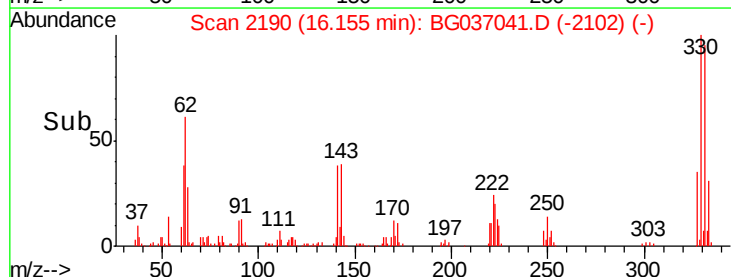
141 40.8 30.7 46.1

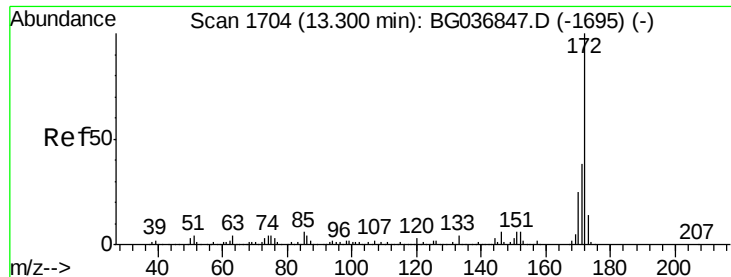


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

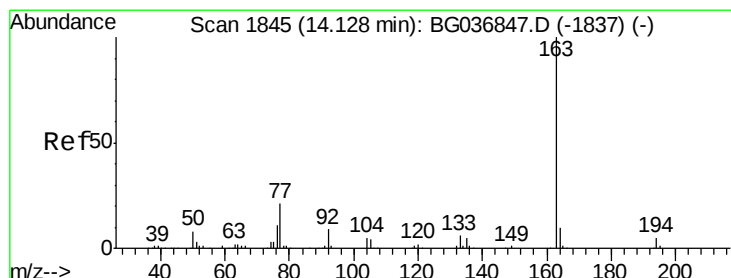
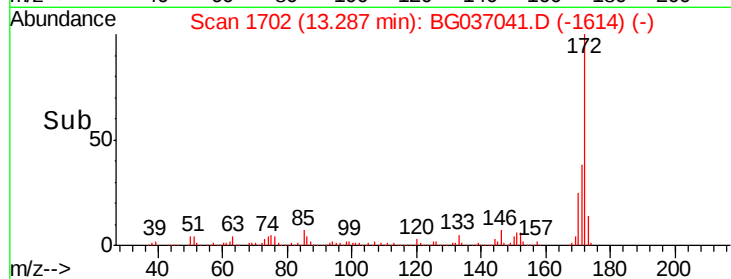
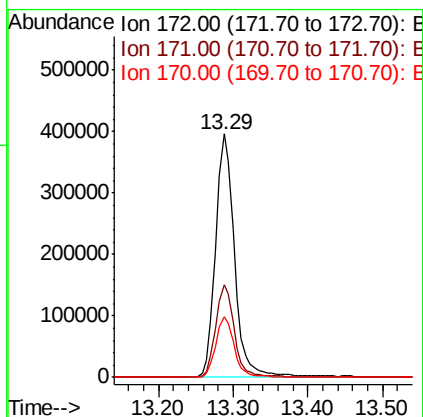
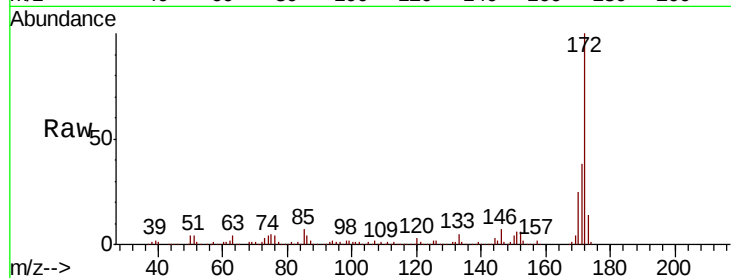




#44
2-Fluorobiphenyl
Concen: 98.304 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

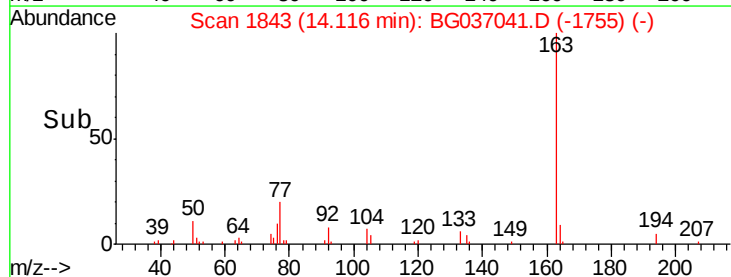
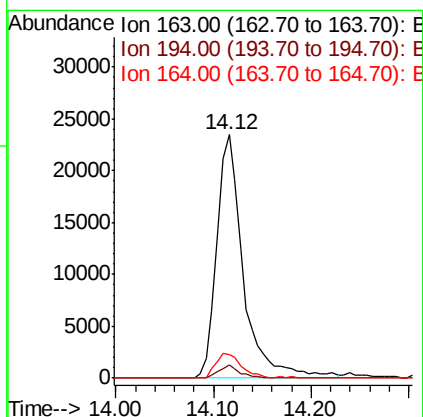
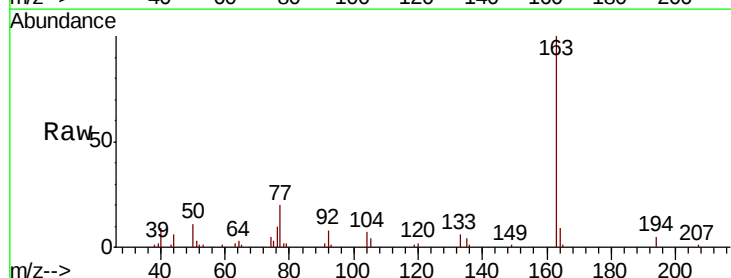
Instrument :
BNA_G
ClientSampled :

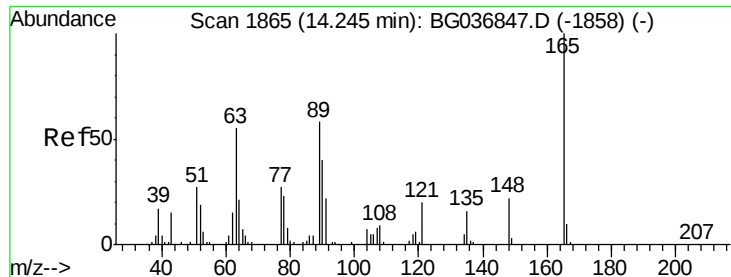
Tot Ion:172 Resp: 699365
Ion Ratio Lower Upper
172 100
171 38.1 31.3 46.9
170 25.1 21.0 31.6



#49
Dimethylphthalate
Concen: 5.187 ng
RT: 14.12 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

Tgt Ion:163 Resp: 44238
Ion Ratio Lower Upper
163 100
194 5.3 4.0 6.0
164 9.5 8.1 12.1

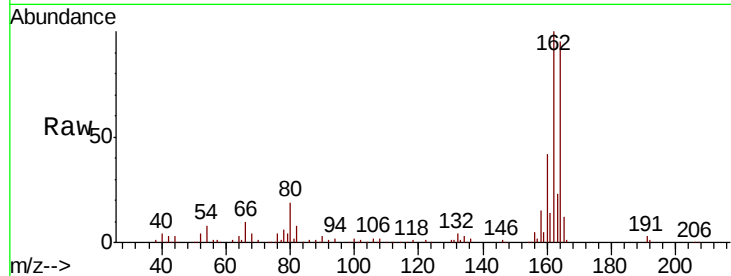




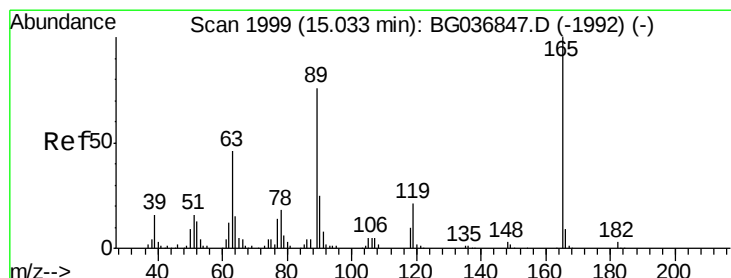
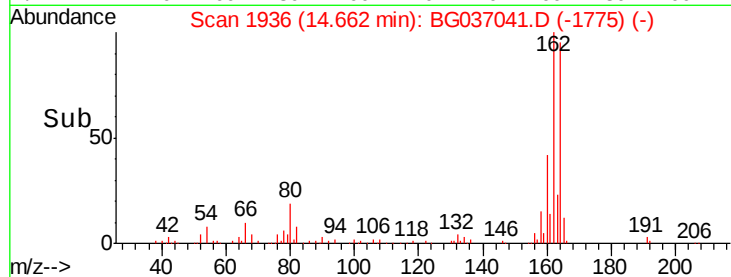
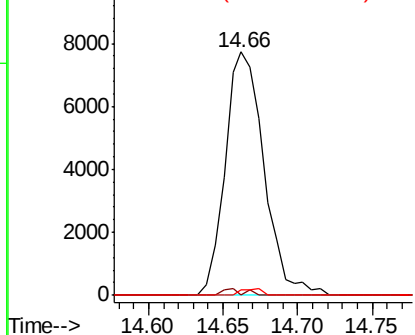
#50
 2,6-Dinitrotoluene
 Concen: 7.540 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037041.D
 Acq: 28 Sep 2018 8:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.3	47.8	71.6#



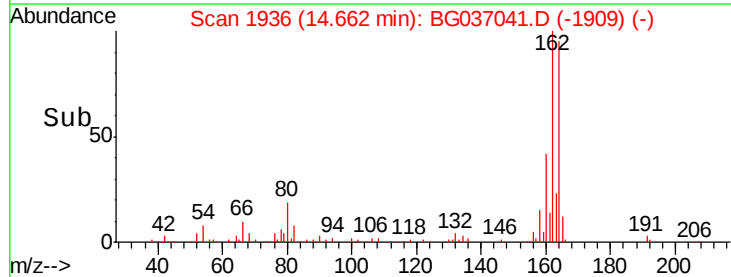
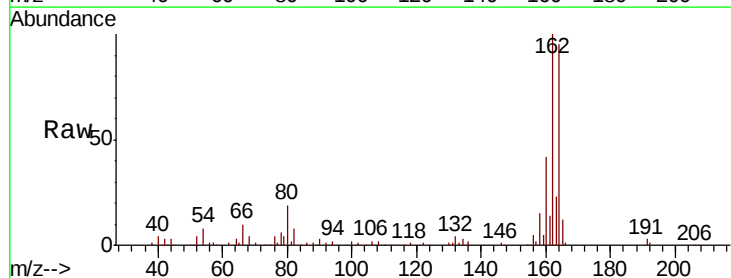
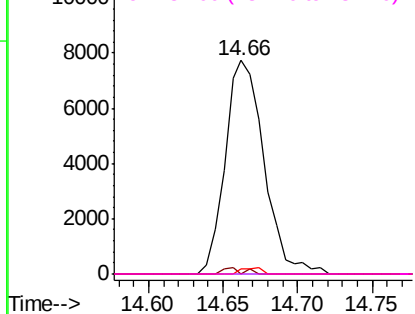
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

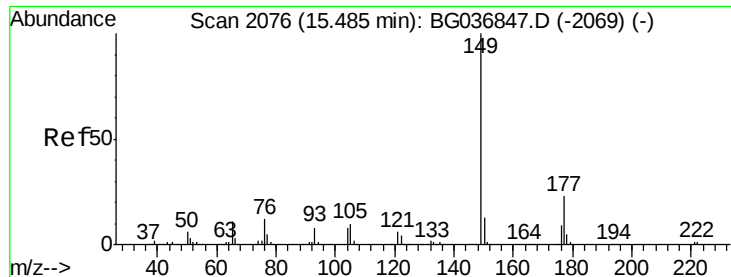


#56
 2,4-Dinitrotoluene
 Concen: 5.403 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037041.D
 Acq: 28 Sep 2018 8:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.3	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





#59

Diethylphthalate

Concen: 2.340 ng

RT: 15.47 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

Instrument :

BNA_G

ClientSampleId :

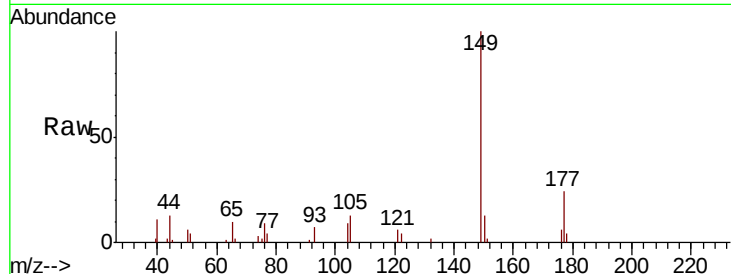
Tot Ion:149 Resp: 20126

Ion Ratio Lower Upper

149 100

177 24.2 19.1 28.7

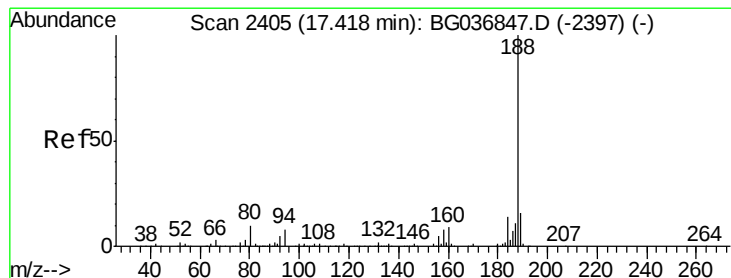
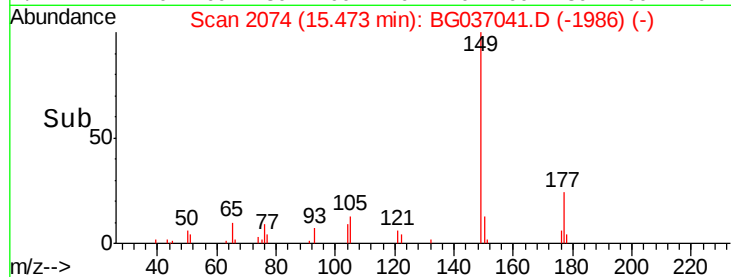
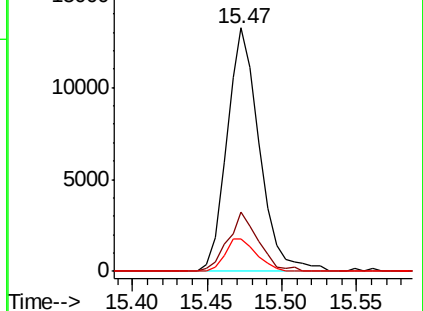
150 13.1 10.7 16.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BG037041.D

Acq: 28 Sep 2018 8:54

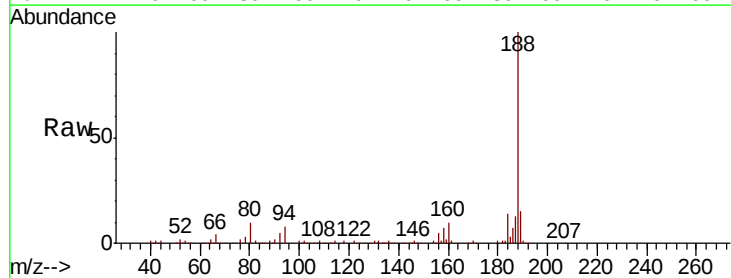
Tgt Ion:188 Resp: 274565

Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

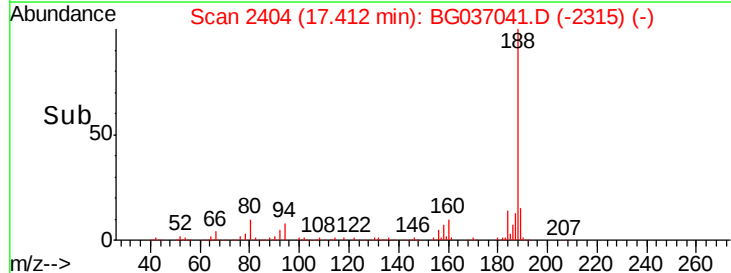
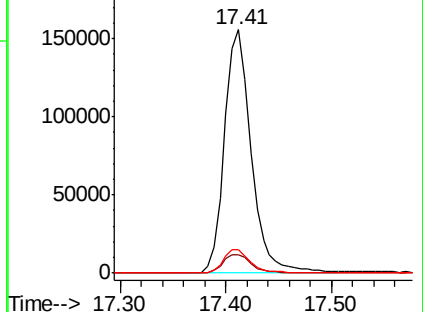
80 9.7 8.1 12.1

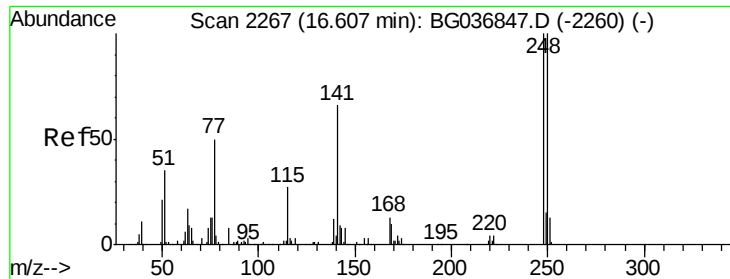


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

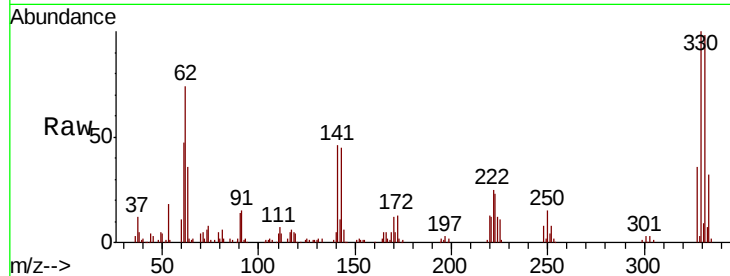




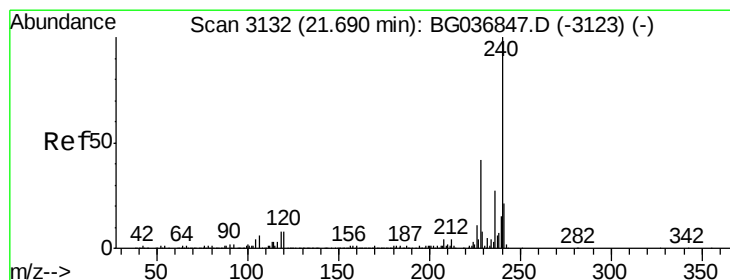
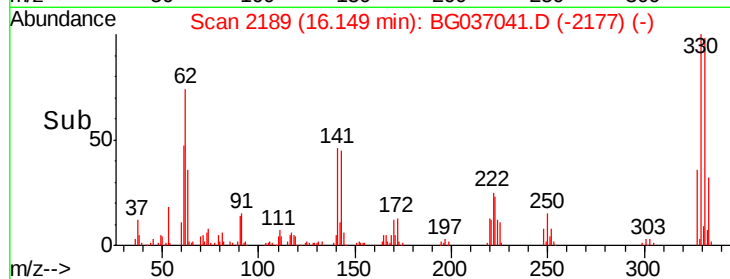
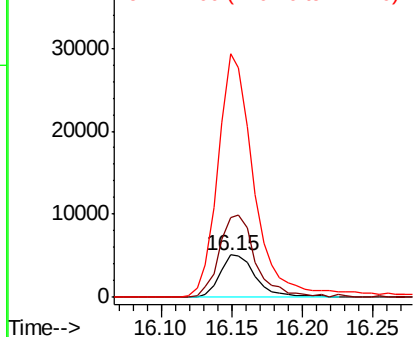
#66
 4-Bromophenyl-phenylether
 Concen: 2.904 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037041.D
 Acq: 28 Sep 2018 8:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 9068
 Ion Ratio Lower Upper
 248 100
 250 188.9 78.1 117.1#
 141 573.8 53.7 80.5#

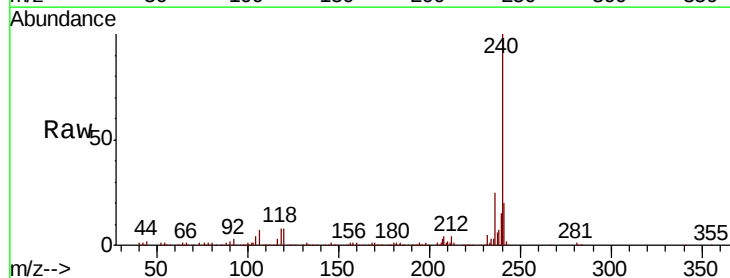


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

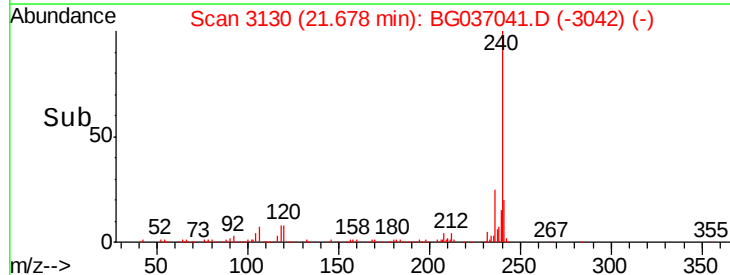
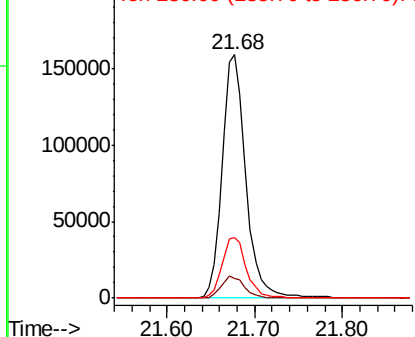


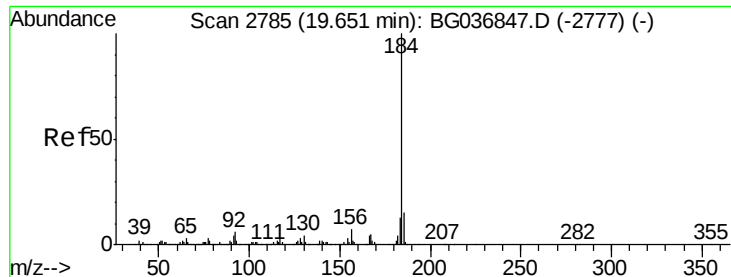
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG037041.D
 Acq: 28 Sep 2018 8:54

Tgt Ion:240 Resp: 296024
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.9 10.3
 236 25.1 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

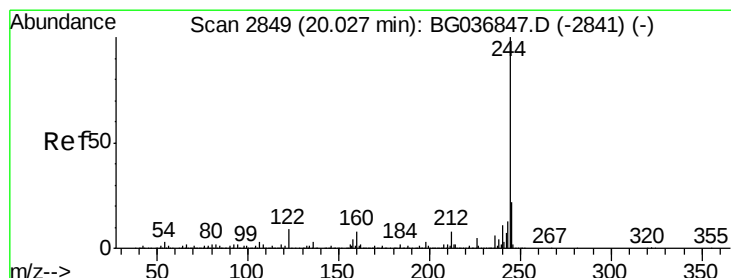
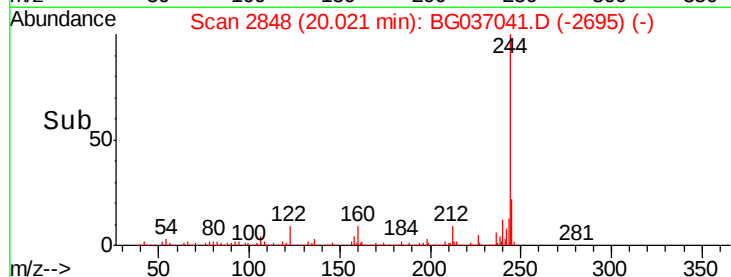
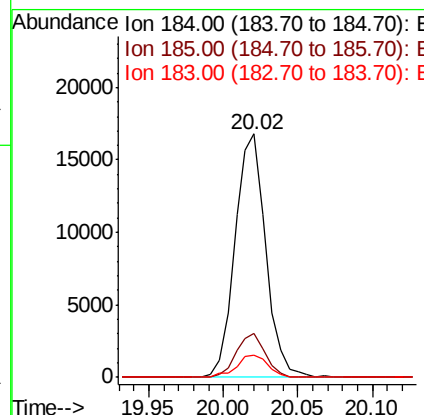
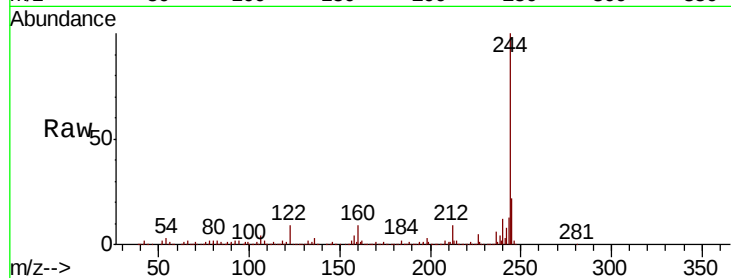




#76
Benzidine
Concen: 2.699 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

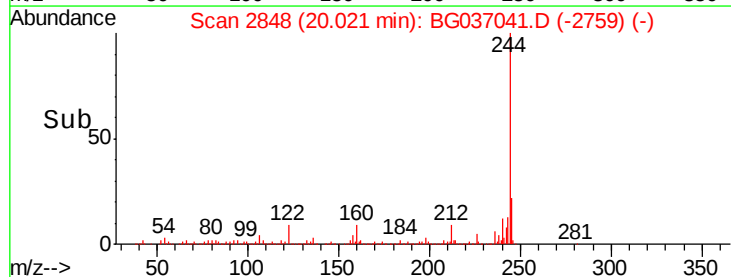
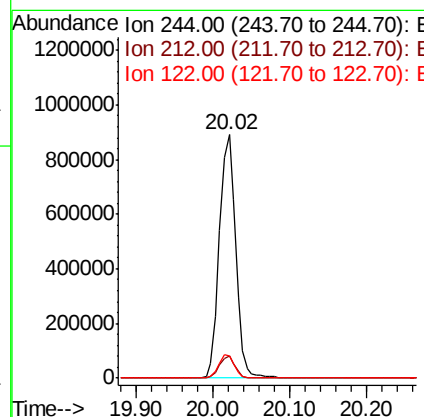
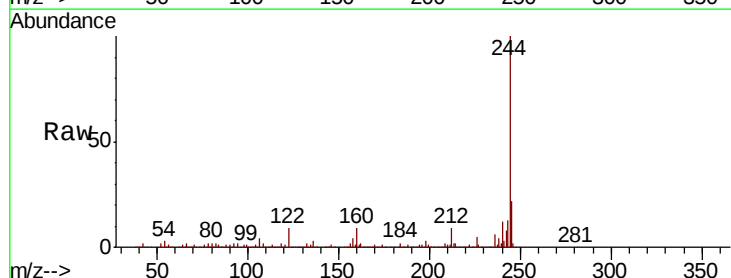
Instrument :
BNA_G
ClientSampleId :

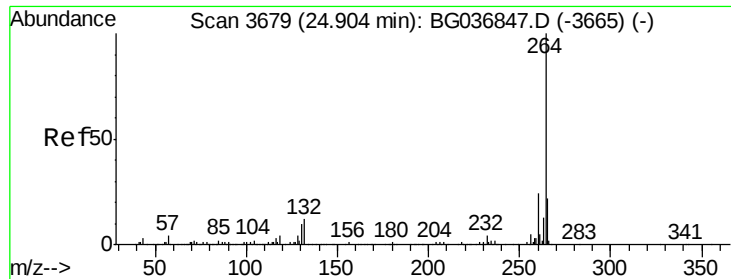
Tot Ion:184 Resp: 24150
Ion Ratio Lower Upper
184 100
185 18.0 12.6 18.8
183 9.4 10.9 16.3#



#78
Terphenyl-d14
Concen: 115.843 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG037041.D
Acq: 28 Sep 2018 8:54

Tgt Ion:244 Resp: 1304137
Ion Ratio Lower Upper
244 100
212 8.9 7.0 10.6
122 9.3 7.1 10.7

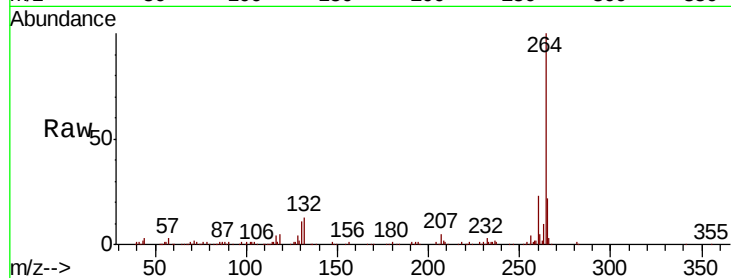




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3674
 Delta R.T. -0.03 min
 Lab File: BG037041.D
 Acq: 28 Sep 2018 8:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.6	29.4
265	21.6	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

