

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092818\
 Data File : BG037062.D
 Acq On : 28 Sep 2018 22:57
 Operator : JU/SJ
 Sample : J5084-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-12(TW-2)

Quant Time: Sep 29 06:13:32 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

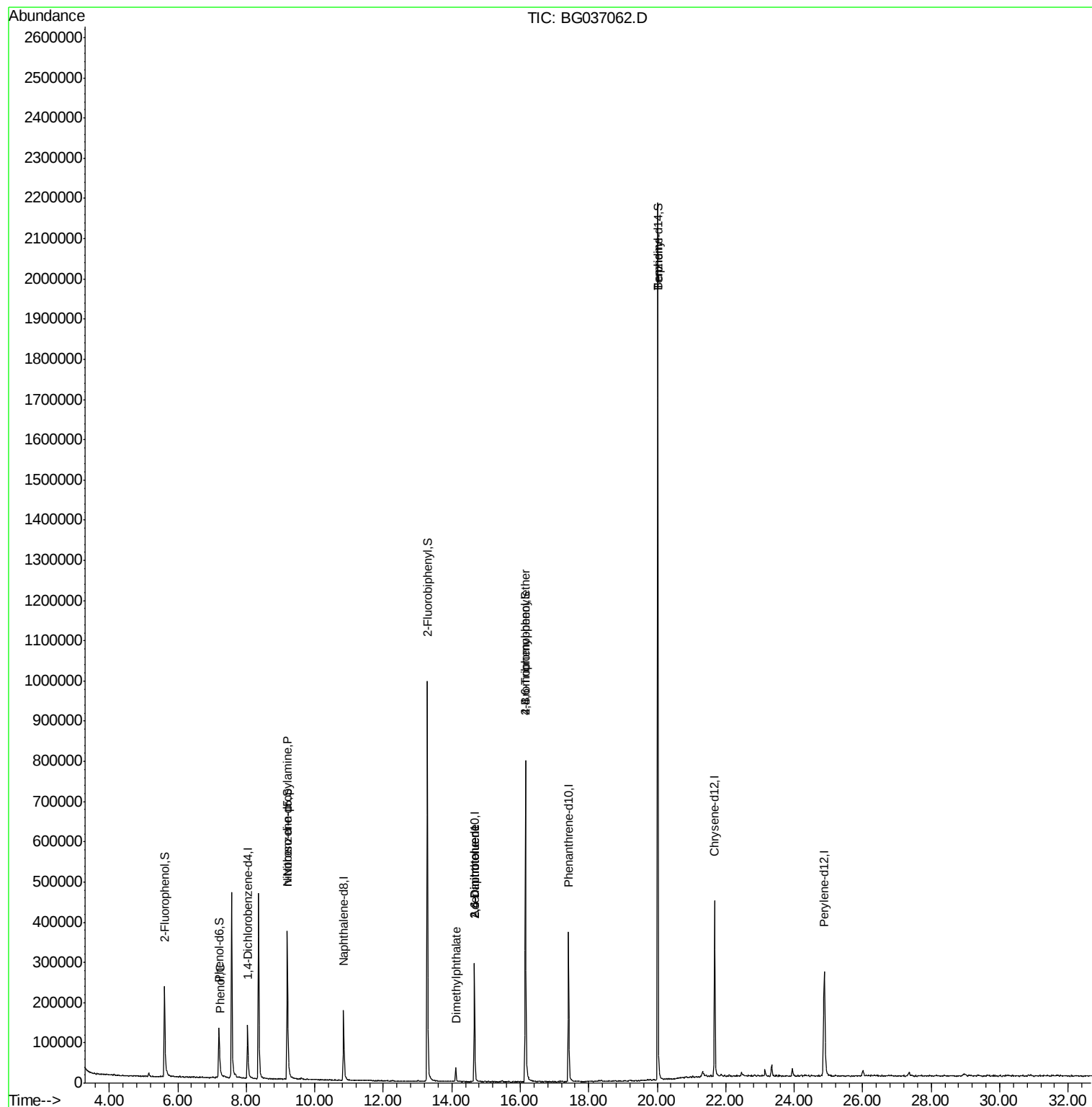
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	43793	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	176348	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	107201	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	272222	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	300693	20.00	ng	-0.02
86) Perylene-d12	24.87	264	298070	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	116200	50.89	ng	0.00
7) Phenol-d6	7.20	99	93726	26.53	ng	-0.01
23) Nitrobenzene-d5	9.20	82	274958	83.50	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	152486	118.89	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	588854	81.81	ng	-0.01
78) Terphenyl-d14	20.02	244	1033188	90.35	ng	-0.01
Target Compounds						
10) Phenol	7.23	94	9578	2.627	ng	91
19) n-Nitroso-di-n-propylamine	9.21	70	35838	12.194	ng	# 74
49) Dimethylphthalate	14.12	163	29121	3.375	ng	99
50) 2,6-Dinitrotoluene	14.66	165	13725	7.290	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	13726	5.225	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	10860	3.507	ng	# 1
76) Benzidine	20.02	184	19318	2.125	ng	# 92

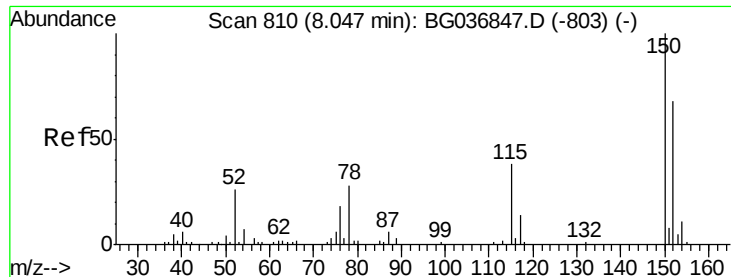
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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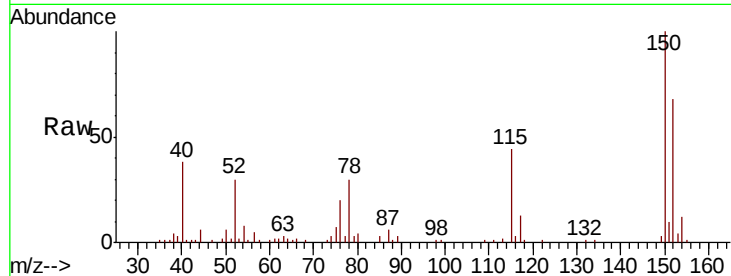




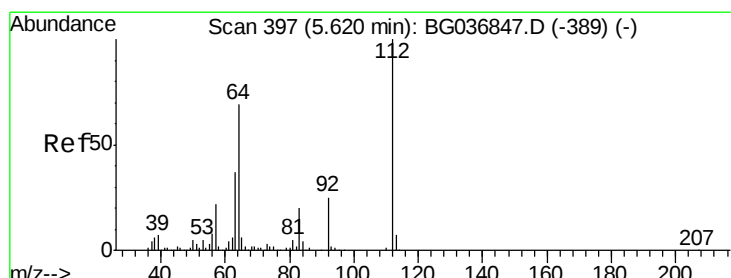
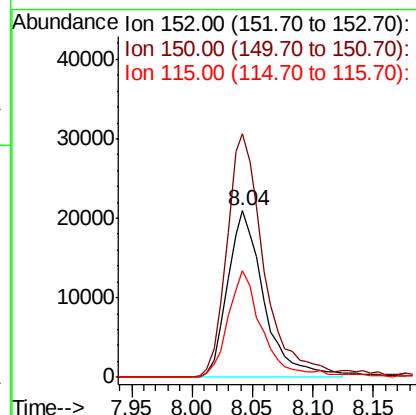
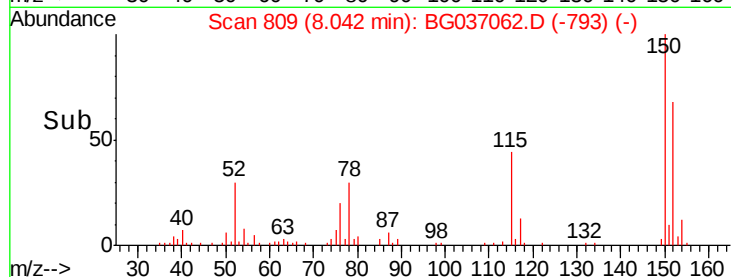
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Instrument :
 BNA_G
 ClientSampleId :
 B-12(TW-2)

Tgt Ion:152 Resp: 43793
 Ion Ratio Lower Upper
 152 100
 150 146.3 119.5 179.3
 115 64.2 44.5 66.7

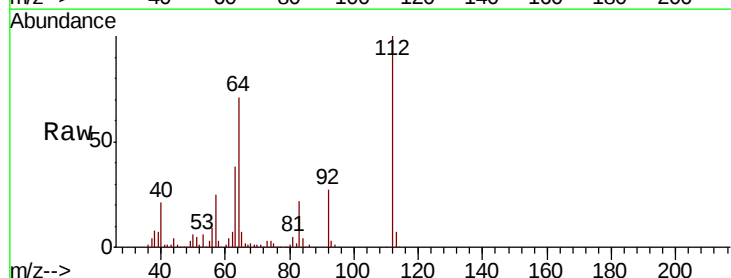


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

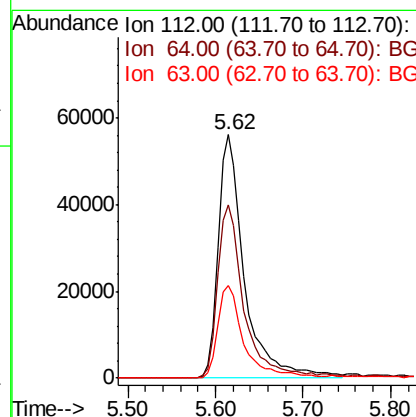
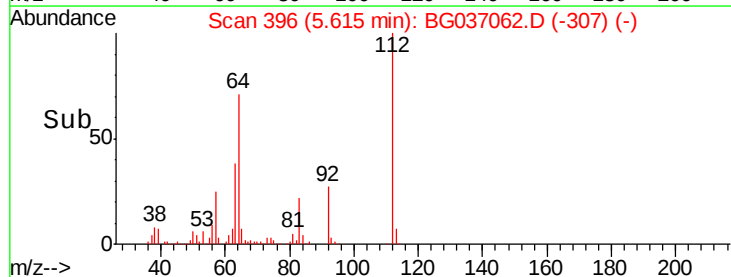


#5
 2-Fluorophenol
 Concen: 50.886 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Tgt Ion:112 Resp: 116200
 Ion Ratio Lower Upper
 112 100
 64 71.0 57.2 85.8
 63 38.0 30.8 46.2



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: 26.529 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

Instrument :

BNA_G

ClientSampled :

B-12(TW-2)

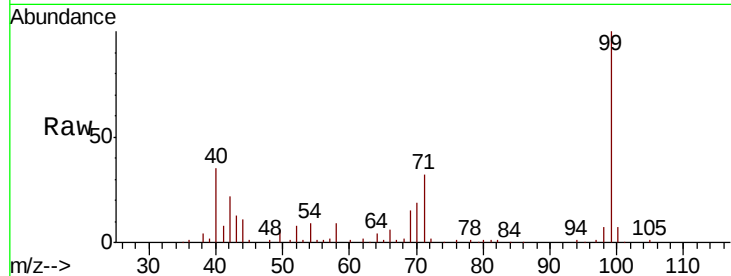
Tgt Ion: 99 Resp: 93726

Ion Ratio Lower Upper

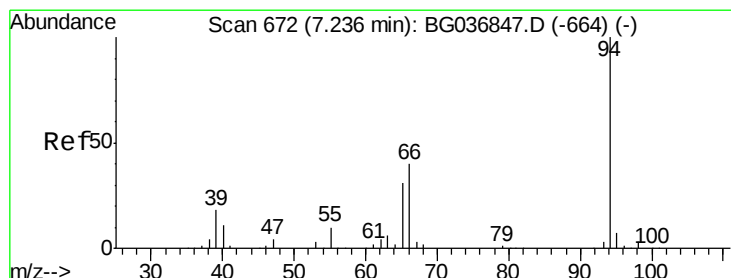
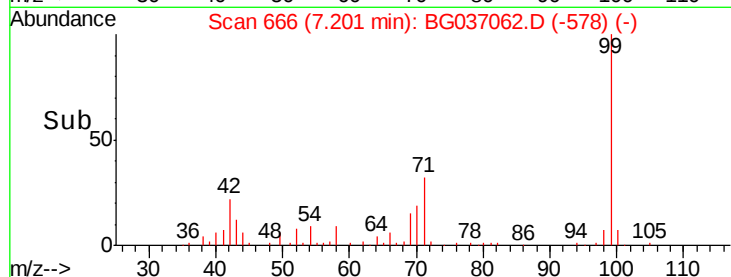
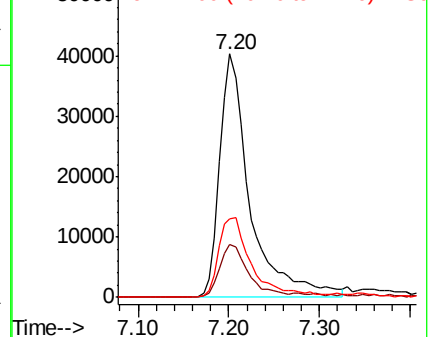
99 100

42 21.7 16.5 24.7

71 32.5 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: 2.627 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

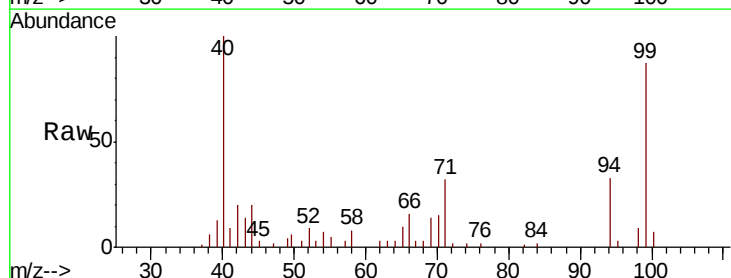
Tgt Ion: 94 Resp: 9578

Ion Ratio Lower Upper

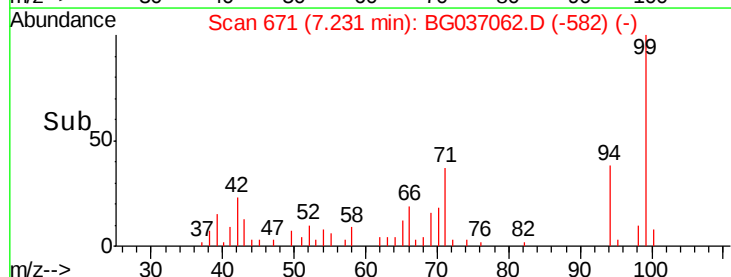
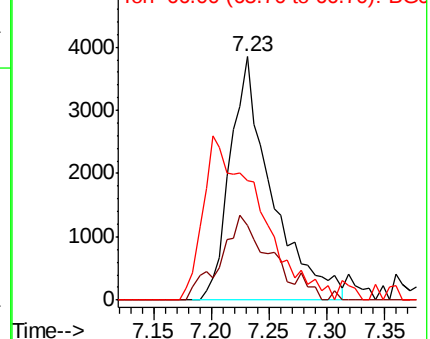
94 100

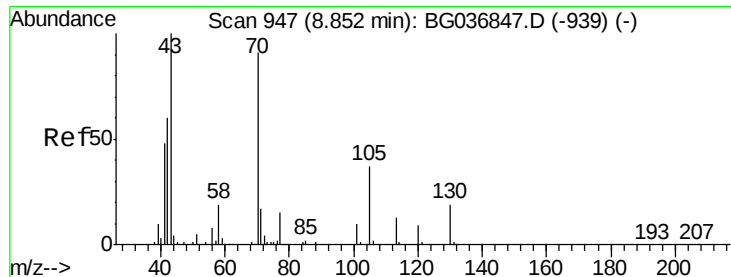
65 30.6 11.5 51.5

66 48.8 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

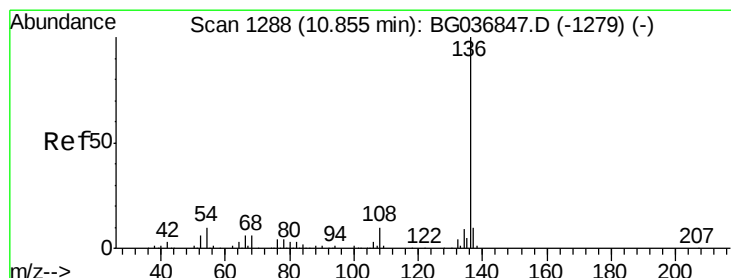
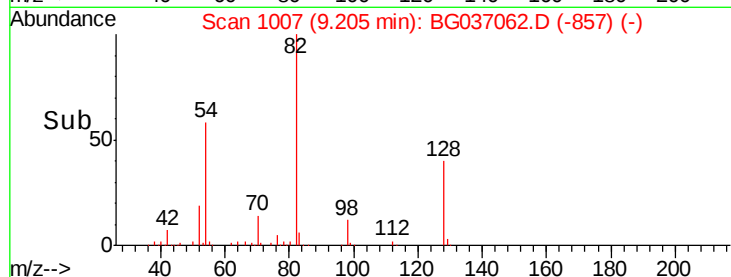
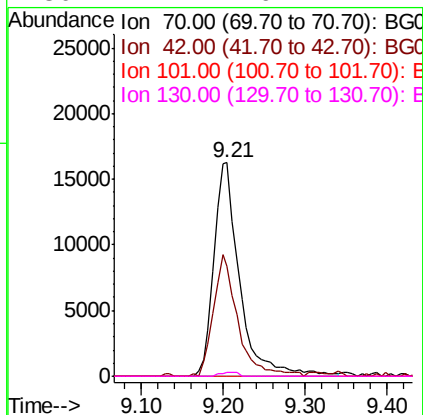
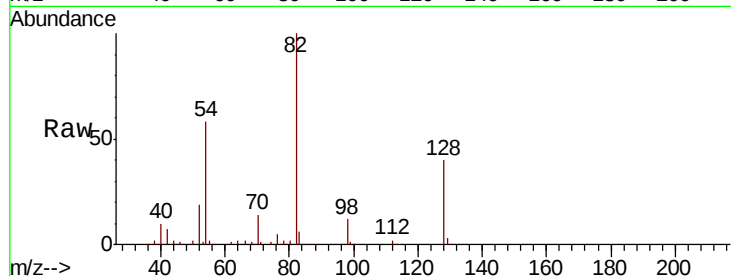




#19
n-Nitroso-di-n-propylamine
Concen: 12.194 ng
RT: 9.21 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG037062.D
Acq: 28 Sep 2018 22:57

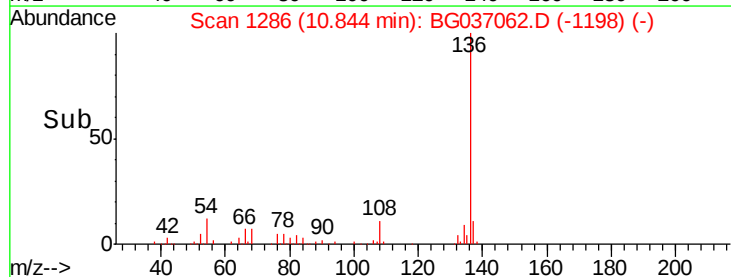
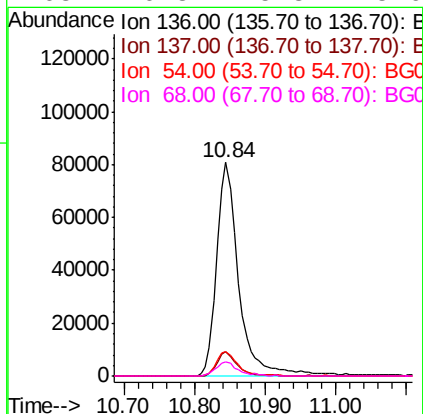
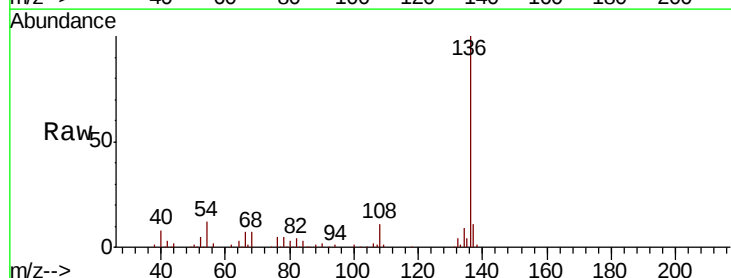
Instrument :
BNA_G
ClientSampleId :
B-12(TW-2)

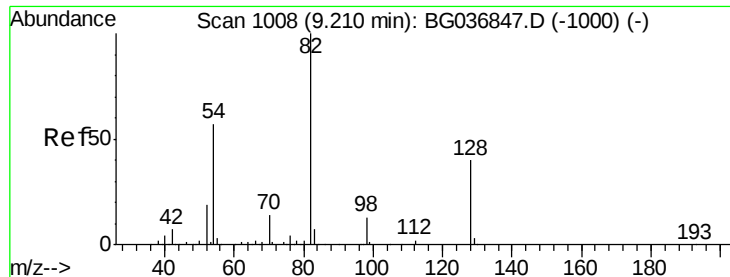
Tgt Ion: 70 Resp: 35838
Ion Ratio Lower Upper
70 100
42 51.6 56.2 84.4#
101 0.0 7.8 11.6#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037062.D
Acq: 28 Sep 2018 22:57

Tgt Ion: 136 Resp: 176348
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.5 9.2 13.8
68 6.8 5.8 8.6

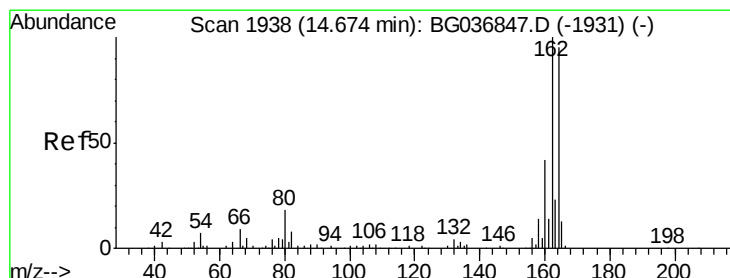
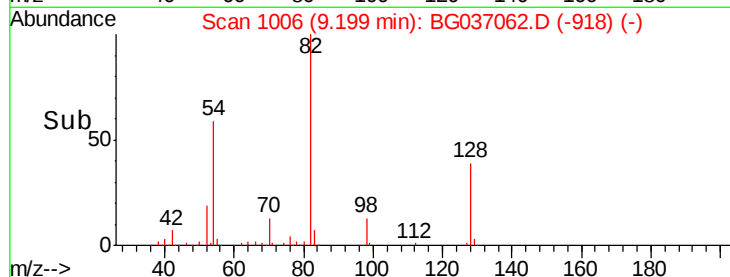
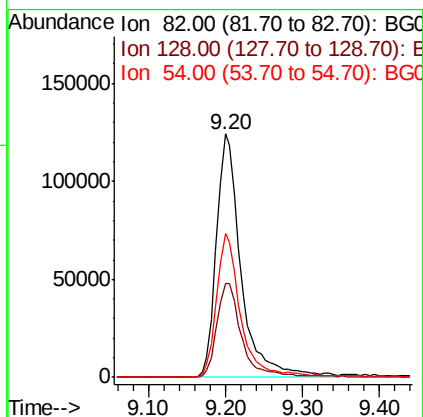
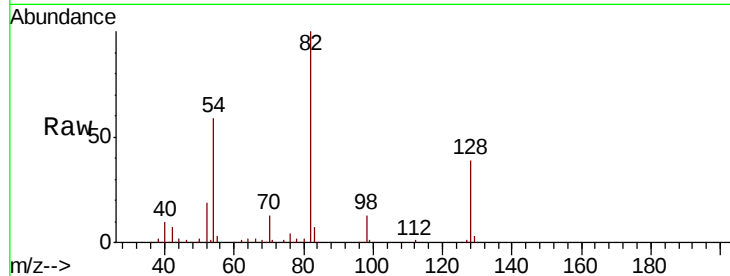




#23
 Nitrobenzene-d5
 Concen: 83.496 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

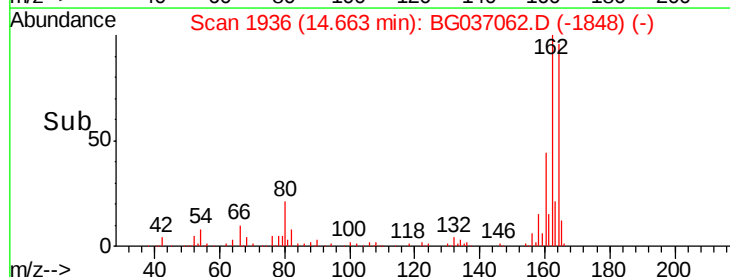
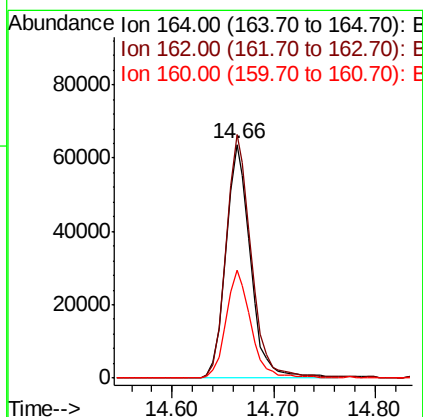
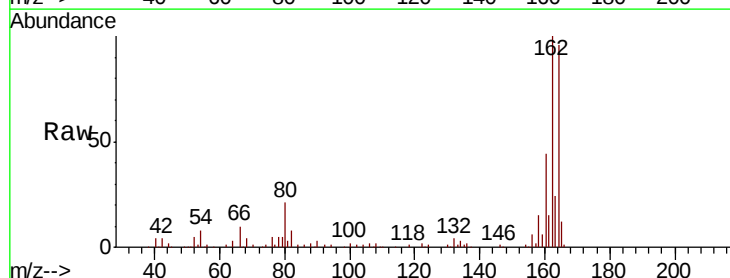
Instrument :
 BNA_G
 ClientSampleId :
 B-12(TW-2)

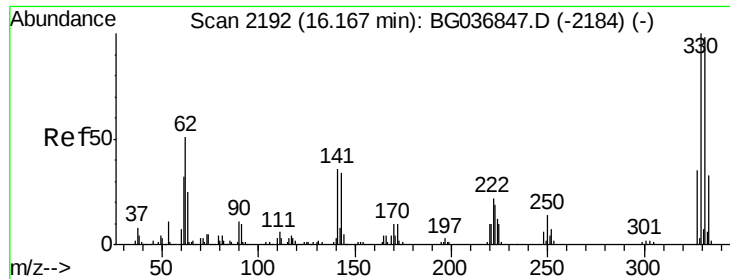
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.3	49.9
54	59.2	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	80.7	121.1
160	46.1	35.3	52.9

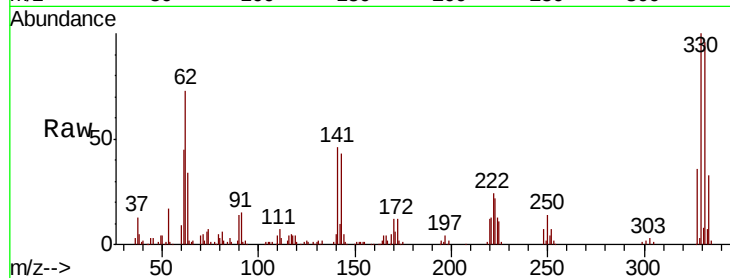




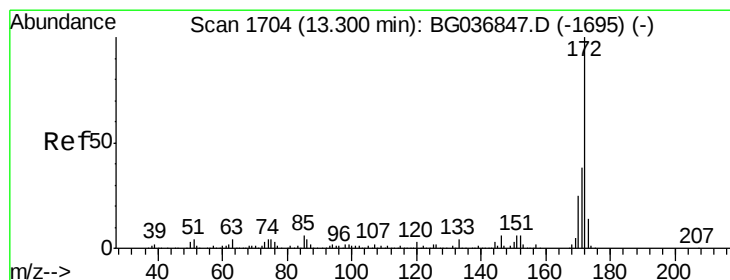
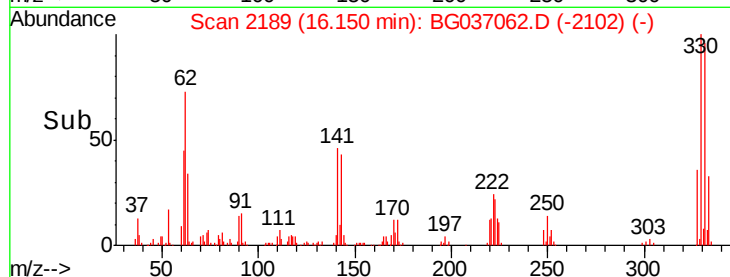
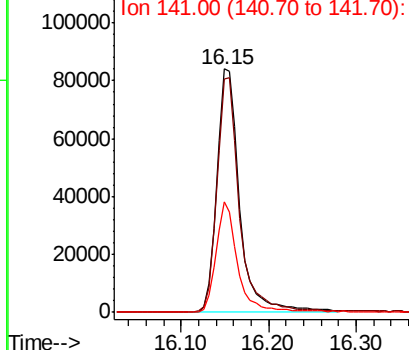
#41
 2,4,6-Tribromophenol
 Concen: 118.889 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.02 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Instrument :
 BNA_G
 ClientSampled :
 B-12(TW-2)

Tgt Ion:330 Resp: 152486
 Ion Ratio Lower Upper
 330 100
 332 95.4 75.4 113.2
 141 42.4 30.7 46.1

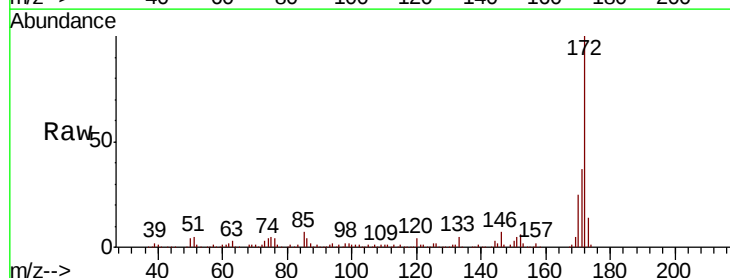


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

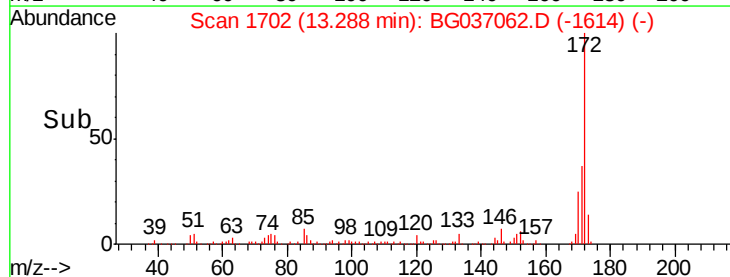
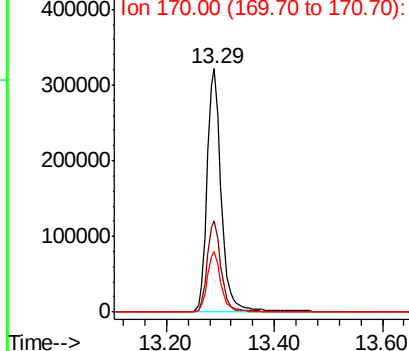


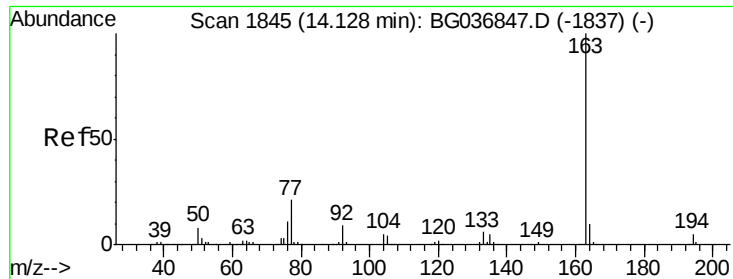
#44
 2-Fluorobiphenyl
 Concen: 81.812 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Tgt Ion:172 Resp: 588854
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.3 46.9
 170 24.8 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





#49

Dimethylphthalate

Concen: 3.375 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

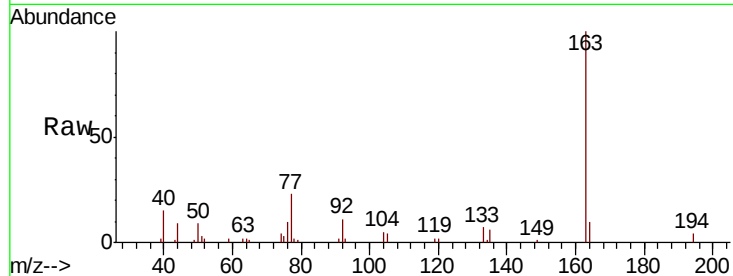
Instrument :

BNA_G

ClientSampleId :

B-12(TW-2)

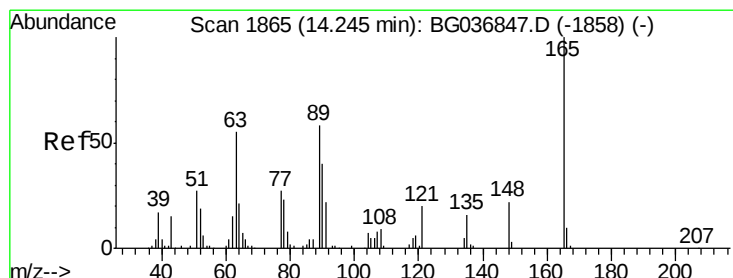
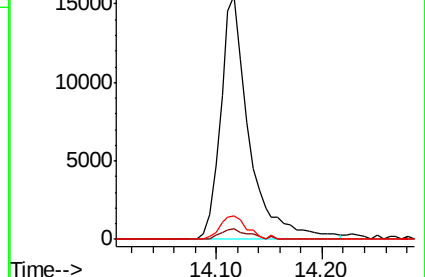
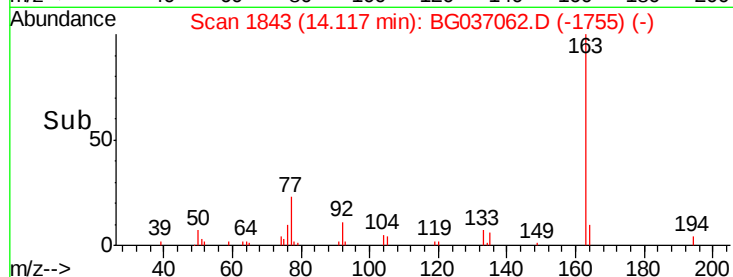
Tgt Ion:	163	Resp:	29121
Ion	Ratio	Lower	Upper
163	100		
194	4.3	4.0	6.0
164	9.9	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.290 ng

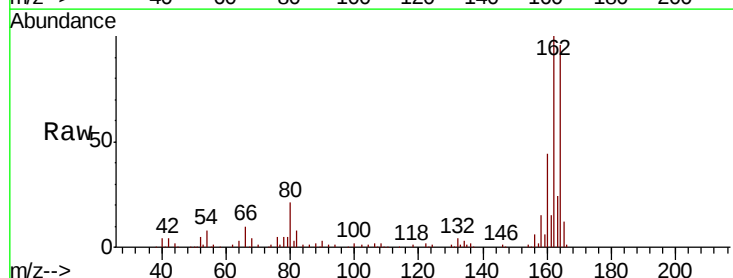
RT: 14.66 min Scan# 1936

Delta R.T. 0.42 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

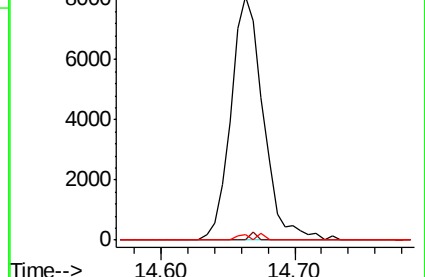
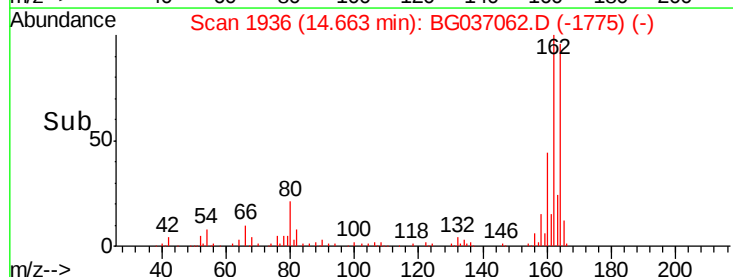
Tgt Ion:	165	Resp:	13725
Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.1	47.8	71.6#

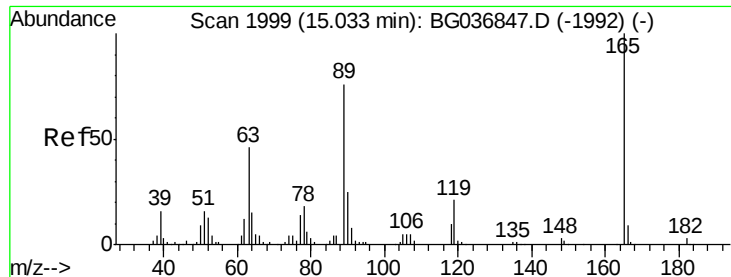


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

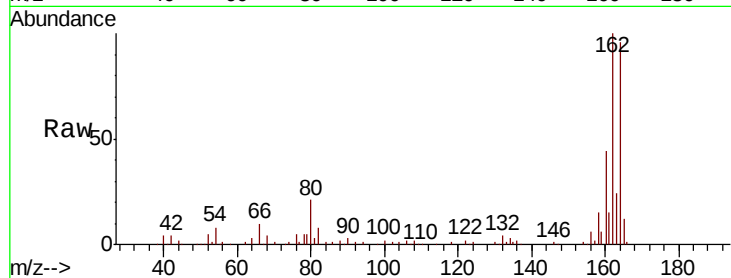




#56
 2,4-Dinitrotoluene
 Concen: 5.225 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Instrument :
 BNA_G
 ClientSampleId :
 B-12(TW-2)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.1	63.7	95.5#
182	0.0	2.5	3.7#



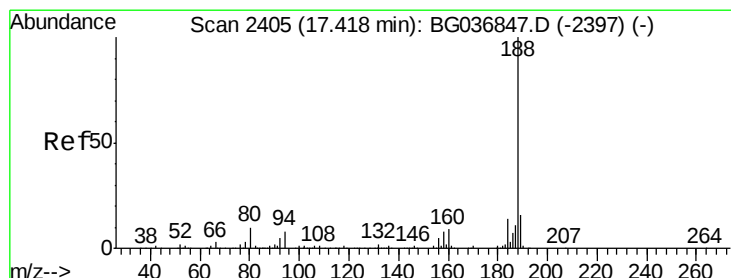
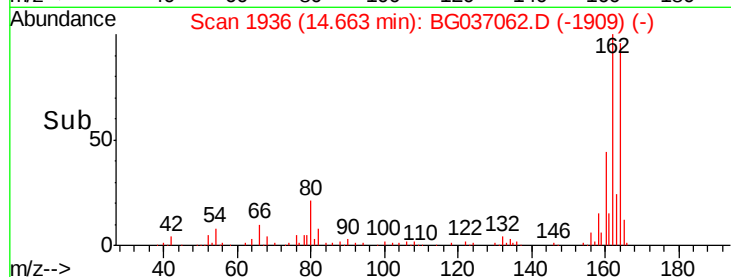
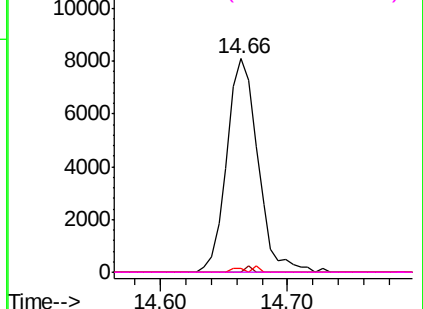
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

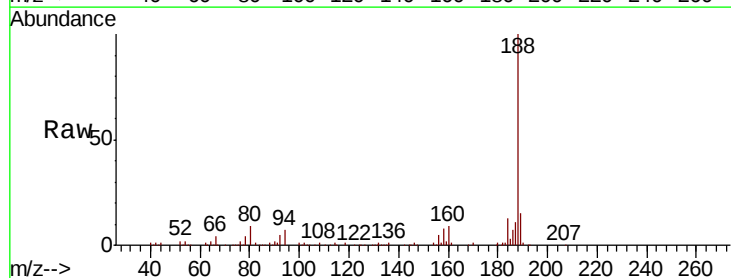
Ion 89.00 (88.70 to 89.70): BGC

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: BG037062.D
 Acq: 28 Sep 2018 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.3	8.1	12.1

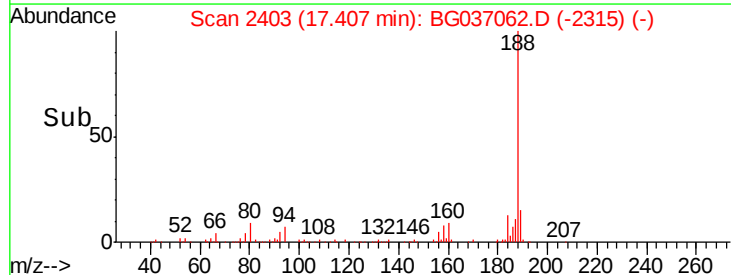
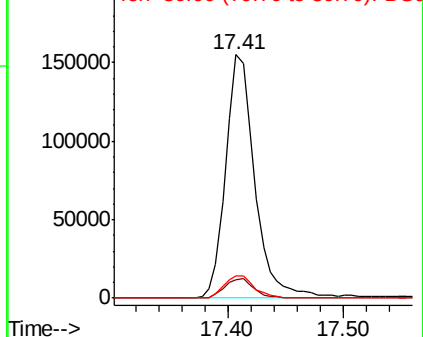


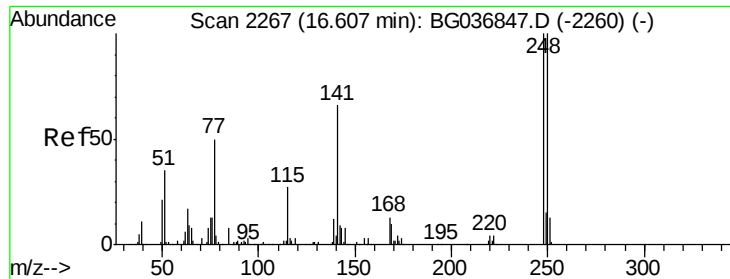
Abundance

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

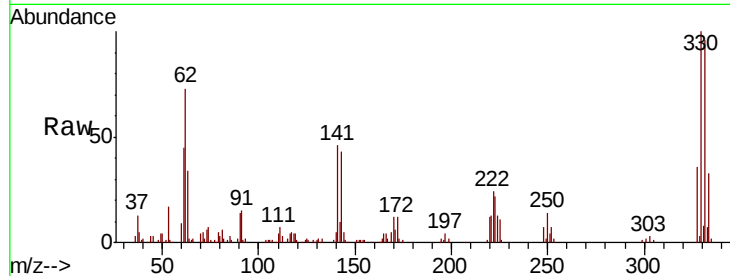




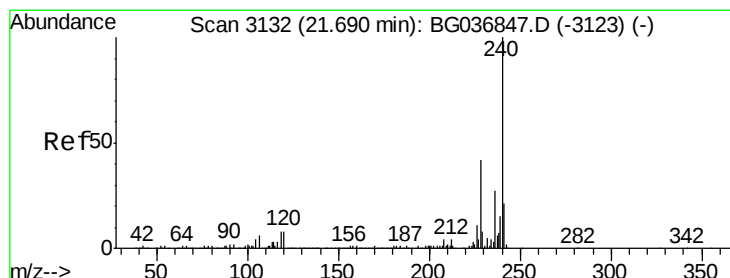
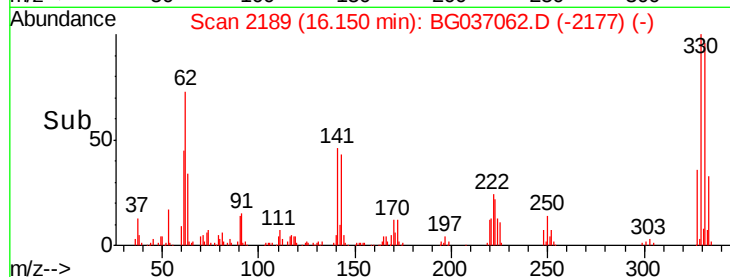
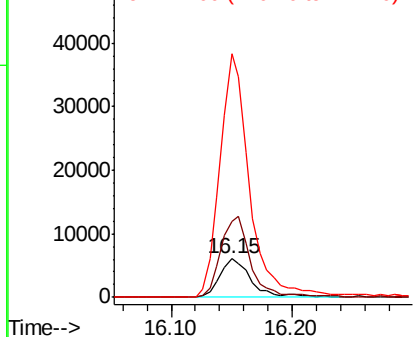
#66
 4-Bromophenyl-phenylether
 Concen: 3.507 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Instrument :
 BNA_G
 ClientSampleId :
 B-12(TW-2)

Tgt Ion:248 Resp: 10860
 Ion Ratio Lower Upper
 248 100
 250 198.5 78.1 117.1#
 141 633.8 53.7 80.5#

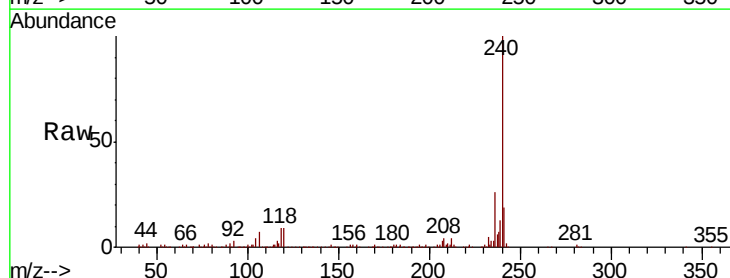


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

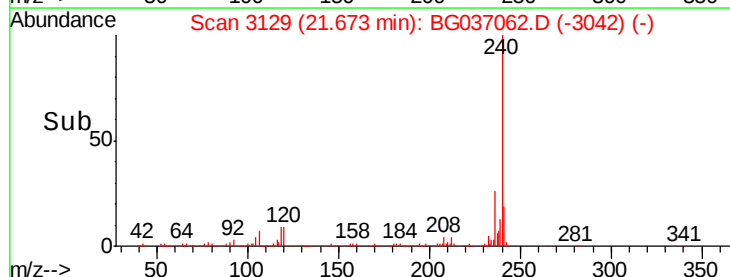
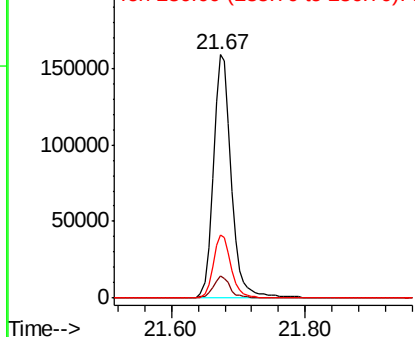


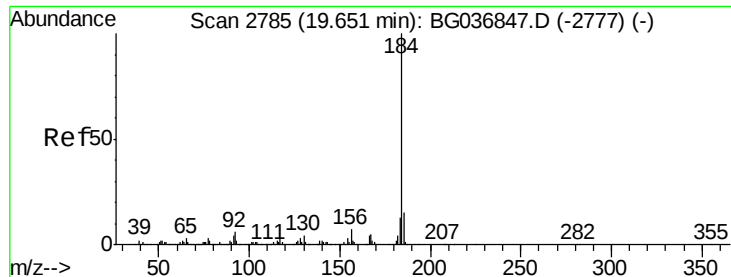
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG037062.D
 Acq: 28 Sep 2018 22:57

Tgt Ion:240 Resp: 300693
 Ion Ratio Lower Upper
 240 100
 120 9.3 6.9 10.3
 236 26.0 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: 2.125 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

Instrument :

BNA_G

ClientSampleId :

B-12(TW-2)

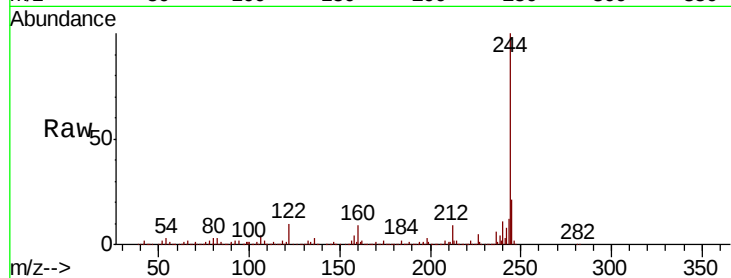
Tgt Ion:184 Resp: 19318

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

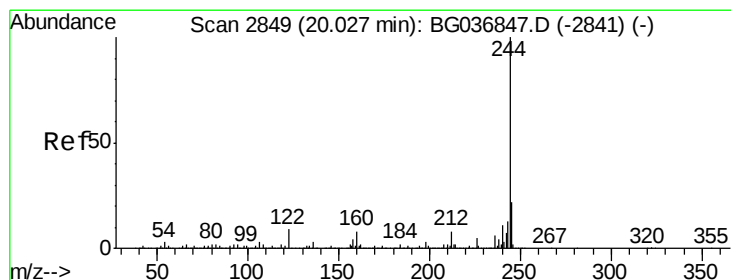
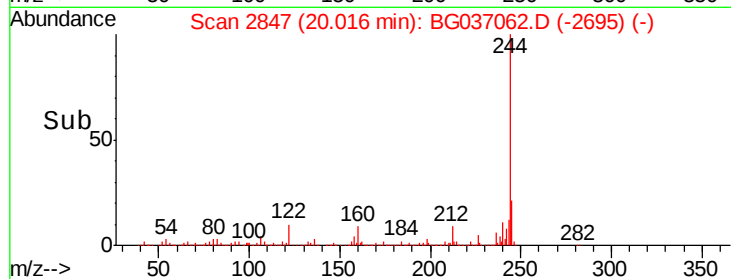
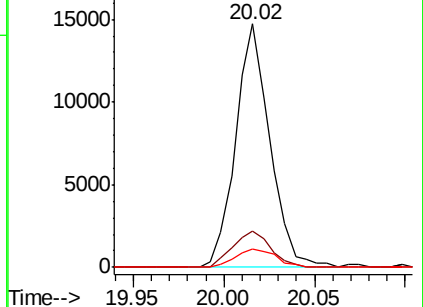
183 7.7 10.9 16.3#



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: 90.350 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037062.D

Acq: 28 Sep 2018 22:57

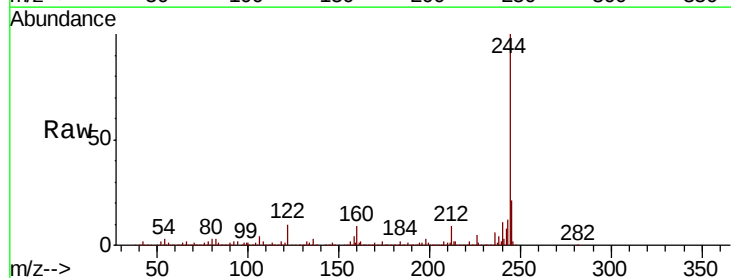
Tgt Ion:244 Resp: 1033188

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

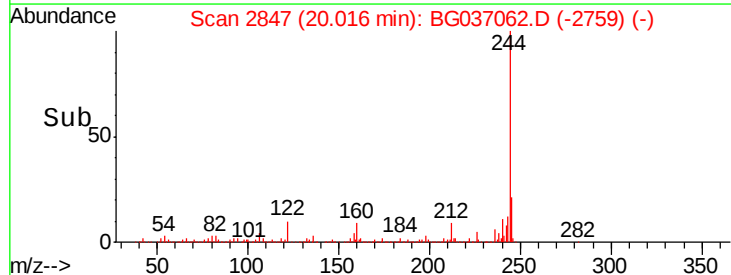
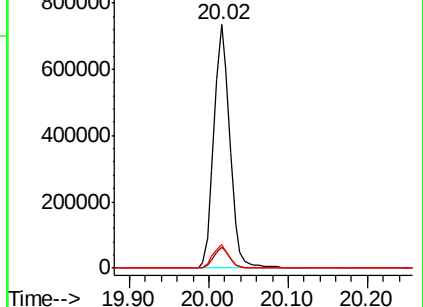
122 9.6 7.1 10.7

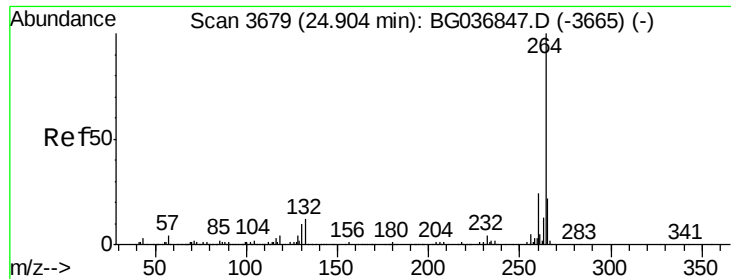


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.87 min Scan# 3674
Delta R.T. -0.03 min
Lab File: BG037062.D
Acq: 28 Sep 2018 22:57

Instrument :
BNA_G
ClientSampleId :
B-12(TW-2)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.6	29.4
265	19.9	17.4	26.0

