

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037030.D
 Acq On : 28 Sep 2018 1:05
 Operator : JU/SJ
 Sample : J5097-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Sep 28 04:25:09 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

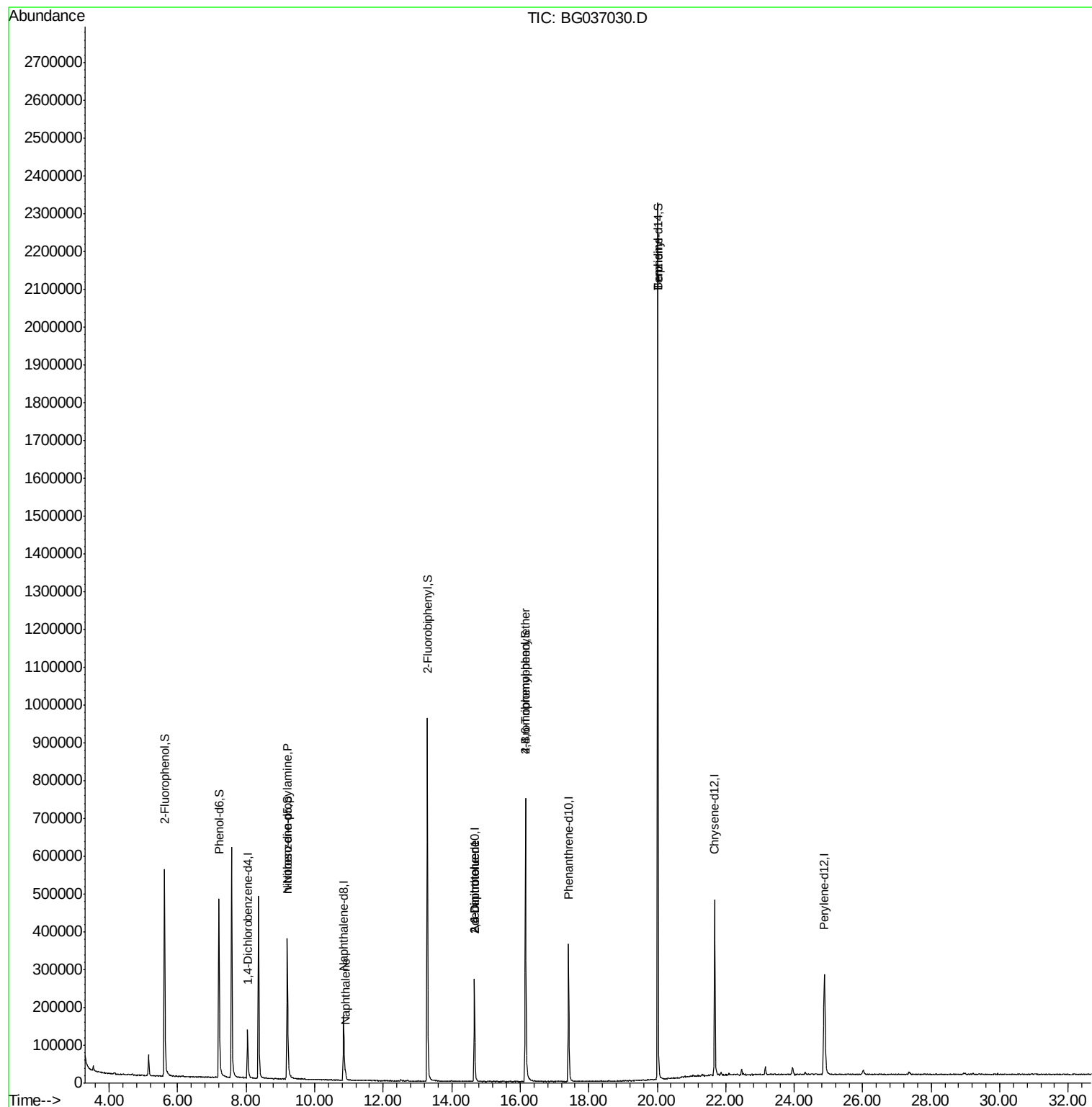
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42813	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	162409	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	102735	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	271797	20.00	ng	0.00
75) Chrysene-d12	21.67	240	320382	20.00	ng	-0.02
86) Perylene-d12	24.88	264	311238	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	270630	121.23	ng	0.00
7) Phenol-d6	7.20	99	313807	90.85	ng	0.00
23) Nitrobenzene-d5	9.20	82	275689	90.90	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	156802	127.57	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	565527	81.99	ng	0.00
78) Terphenyl-d14	20.02	244	1136602	93.29	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	36697	12.772	ng	Qvalue # 71
31) Naphthalene	10.89	128	21505	2.783	ng	97
50) 2,6-Dinitrotoluene	14.66	165	12596	6.981	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	12596	5.003	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	11017	3.564	ng	# 1
76) Benzidine	20.02	184	20030	2.068	ng	# 94

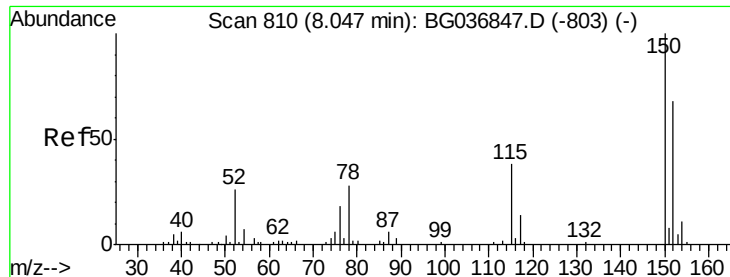
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
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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: BG037030.D

Acq: 28 Sep 2018 1:05

Instrument :

BNA_G

ClientSampleId :

TP-2

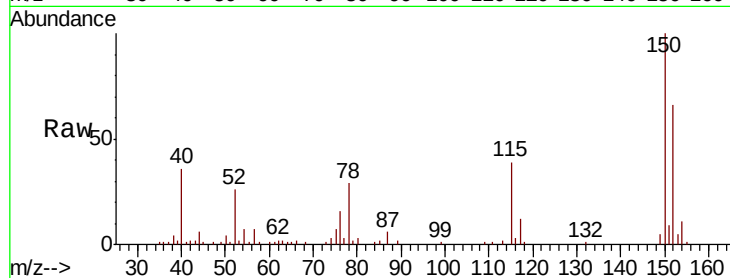
Tgt Ion:152 Resp: 42813

Ion Ratio Lower Upper

152 100

150 151.0 119.5 179.3

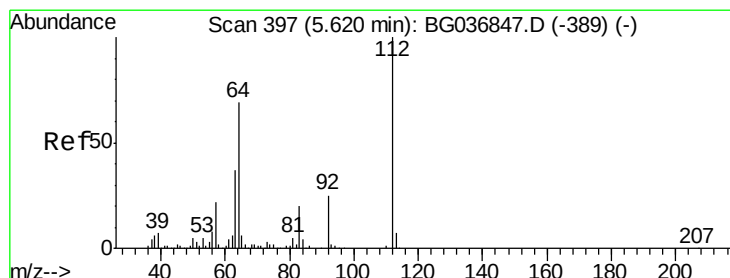
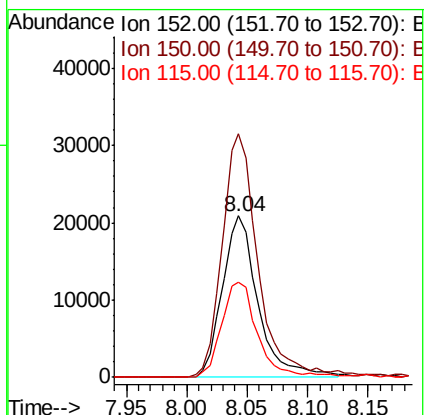
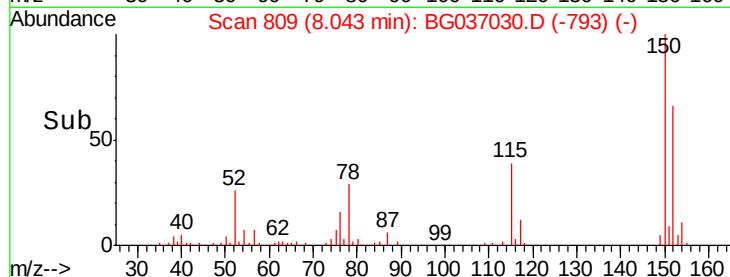
115 59.3 44.5 66.7



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: 121.227 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

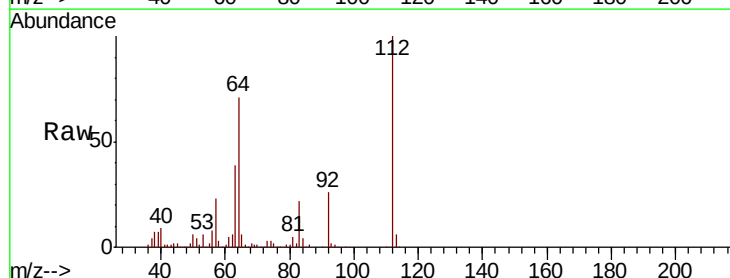
Tgt Ion:112 Resp: 270630

Ion Ratio Lower Upper

112 100

64 71.3 57.2 85.8

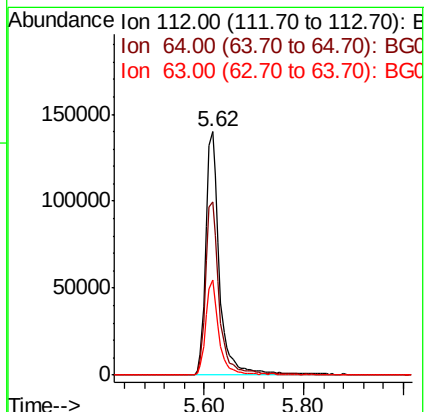
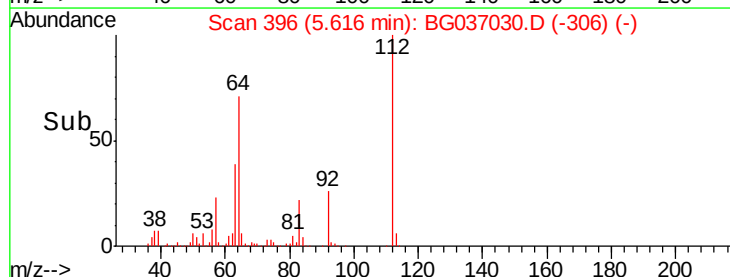
63 38.9 30.8 46.2

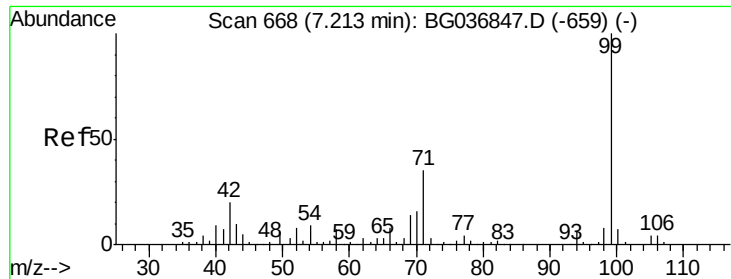


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 90.855 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

Instrument :

BNA_G

ClientSampleId :

TP-2

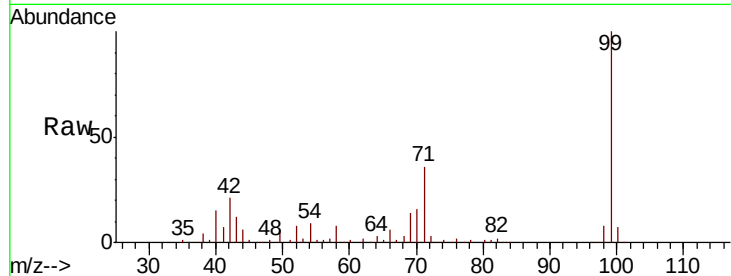
Tgt Ion: 99 Resp: 313807

Ion Ratio Lower Upper

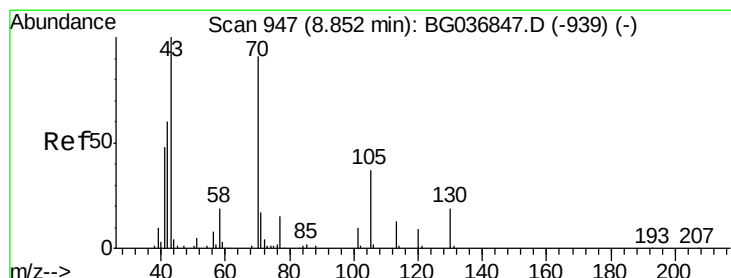
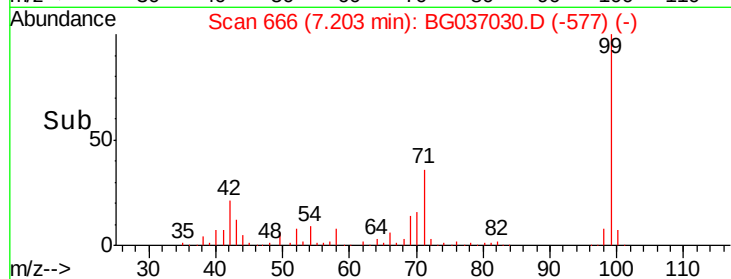
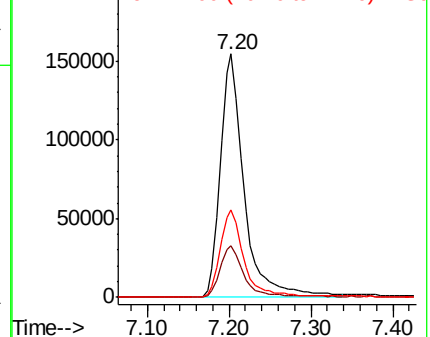
99 100

42 21.3 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: 12.772 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

Tgt Ion: 70 Resp: 36697

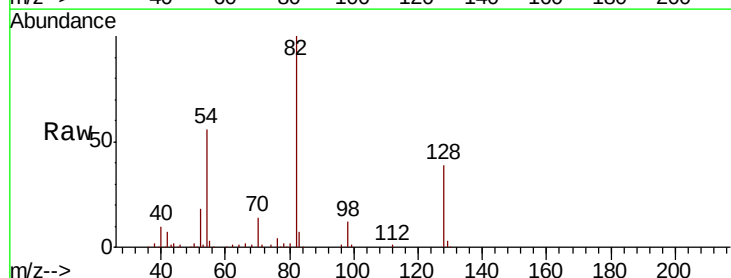
Ion Ratio Lower Upper

70 100

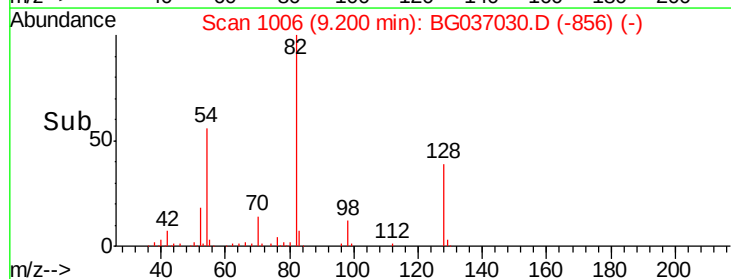
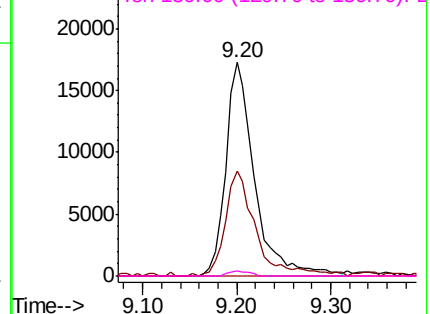
42 49.0 56.2 84.4#

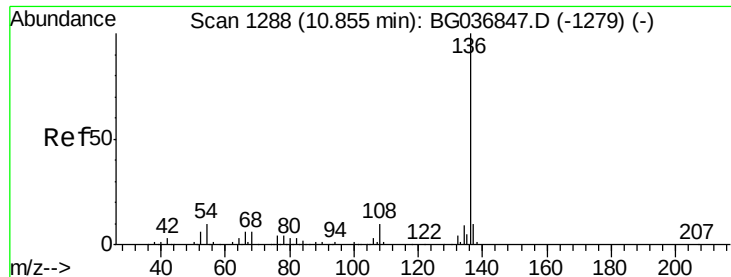
101 0.0 7.8 11.6#

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

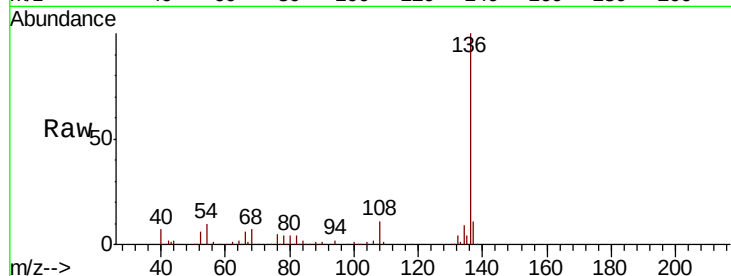




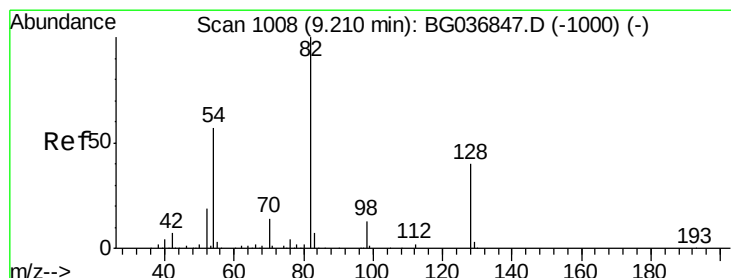
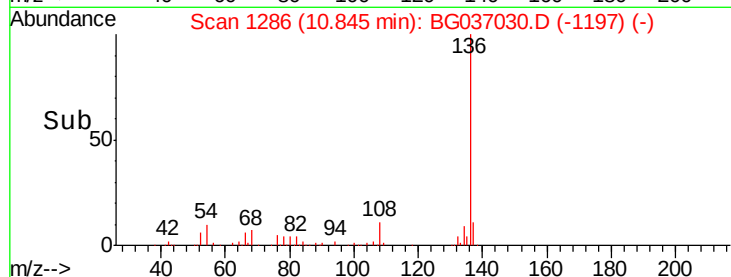
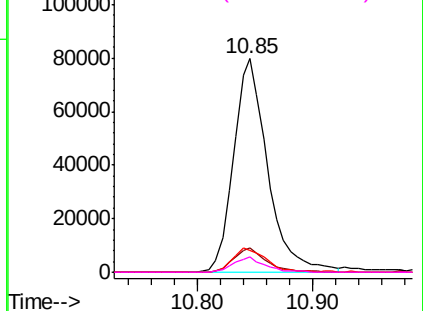
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:	136	Resp:	162409
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	10.1	9.2	13.8
68	6.9	5.8	8.6

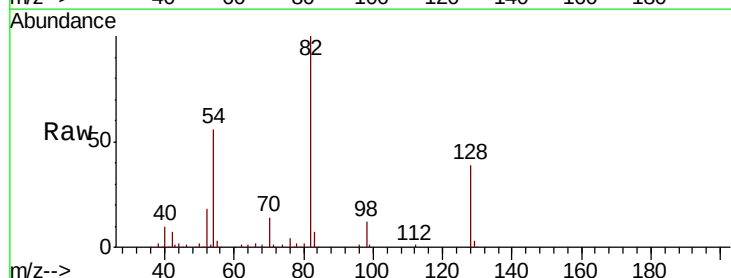


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

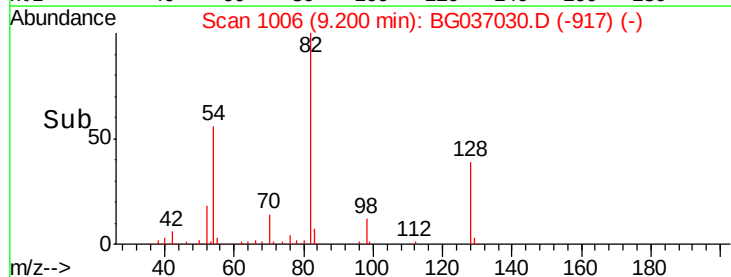
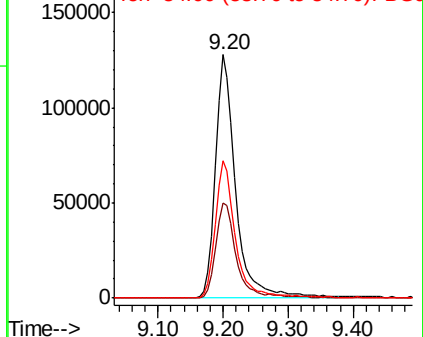


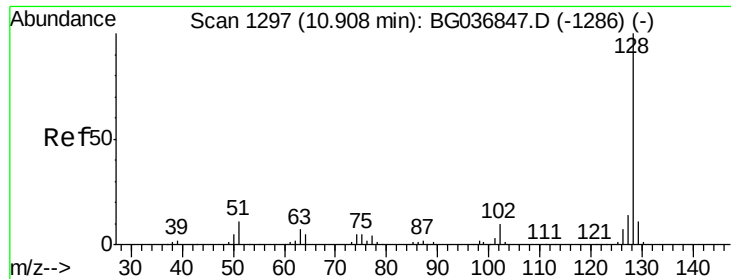
#23
Nitrobenzene-d5
Concen: 90.903 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

Tgt Ion:	82	Resp:	275689
Ion	Ratio	Lower	Upper
82	100		
128	39.0	33.3	49.9
54	56.3	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

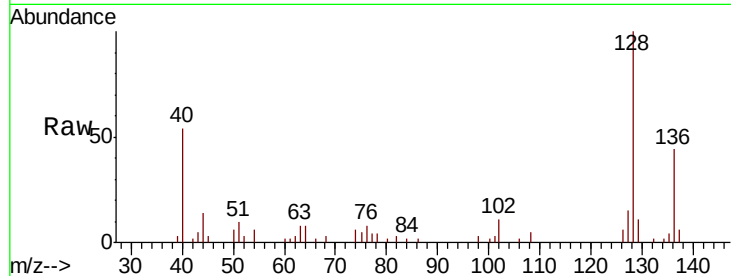




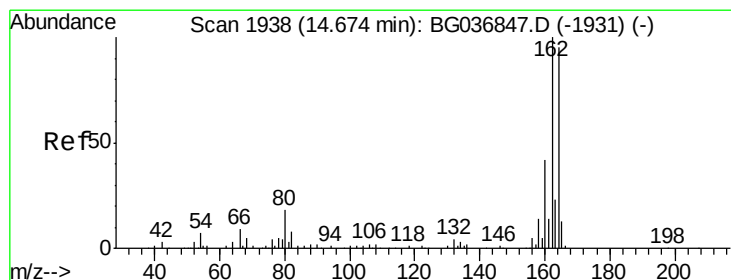
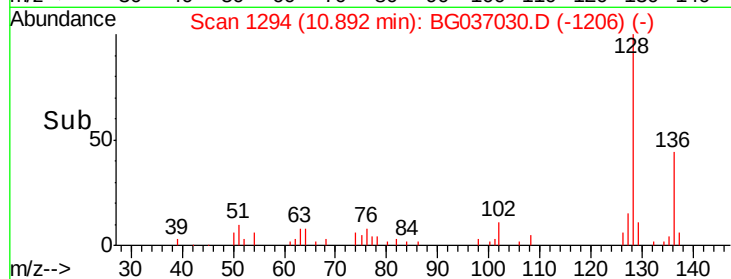
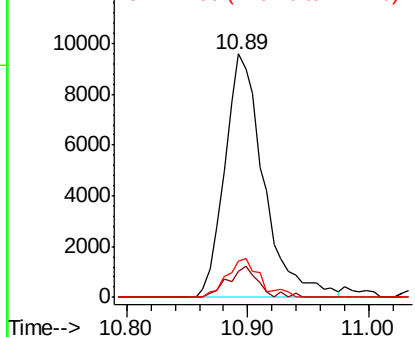
#31
Naphthalene
Concen: 2.783 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:128 Resp: 21505
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.2
127 14.6 11.0 16.4

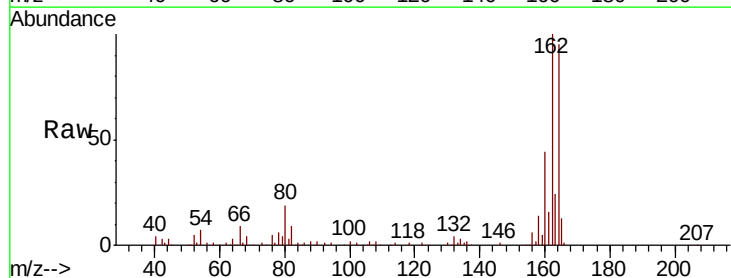


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

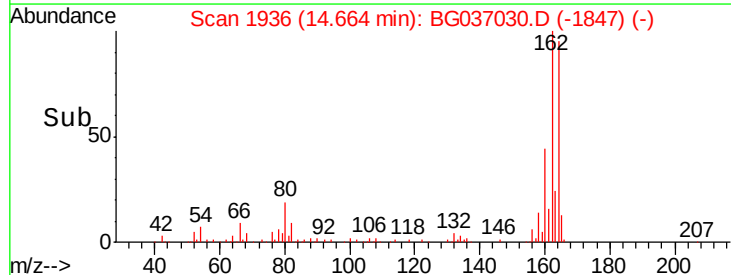
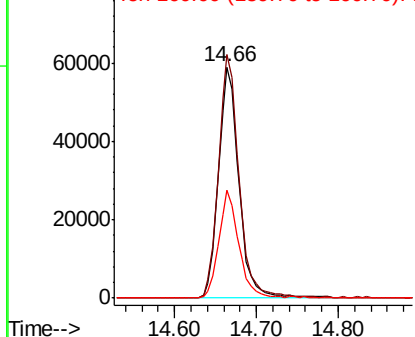


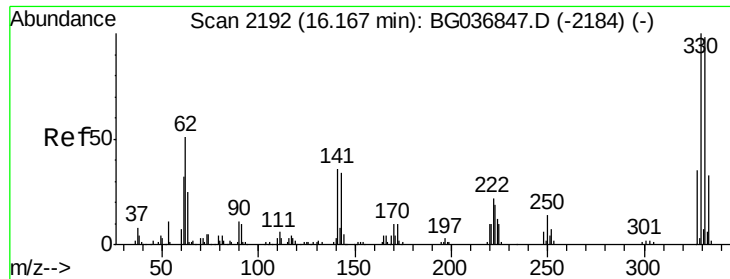
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

Tgt Ion:164 Resp: 102735
Ion Ratio Lower Upper
164 100
162 105.4 80.7 121.1
160 46.6 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

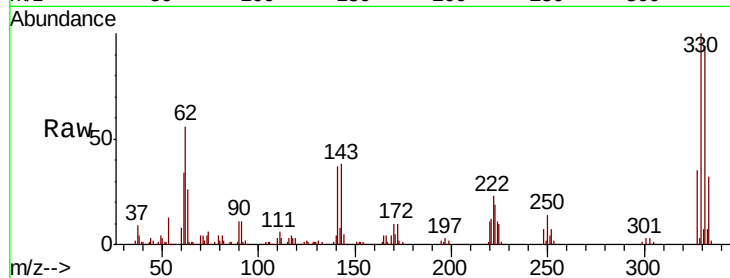




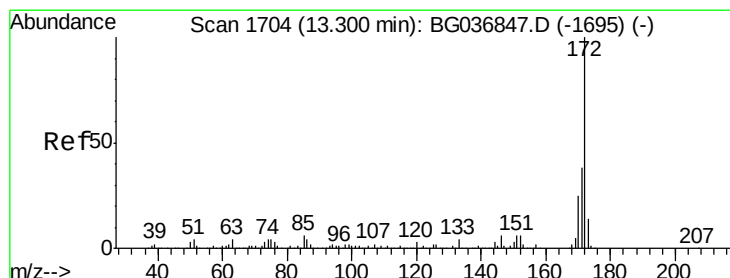
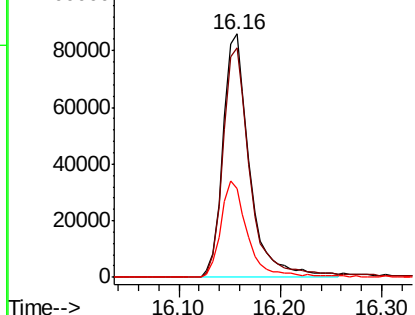
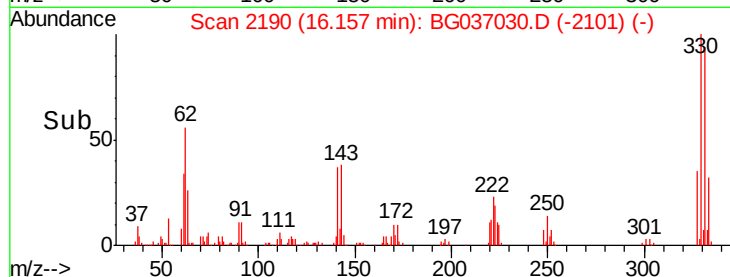
#41
 2,4,6-Tribromophenol
 Concen: 127.568 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG037030.D
 Acq: 28 Sep 2018 1:05

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tgt Ion:330 Resp: 156802
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.4 113.2
 141 40.1 30.7 46.1

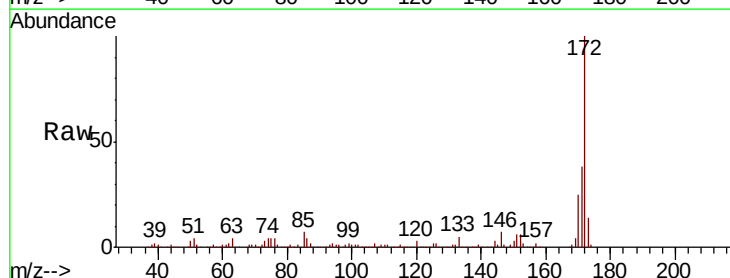


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

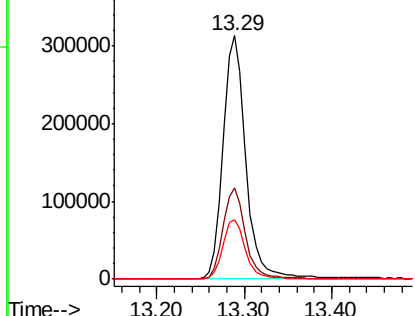
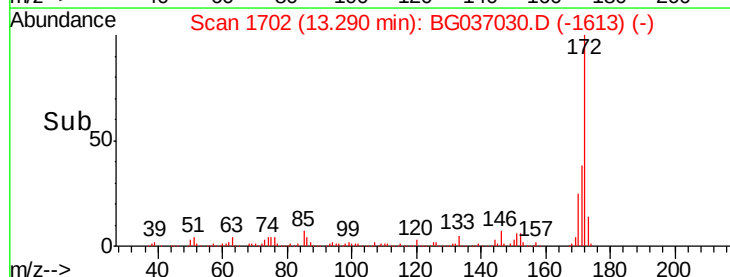


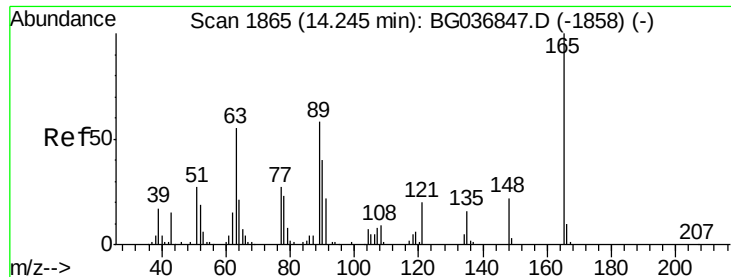
#44
 2-Fluorobiphenyl
 Concen: 81.987 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037030.D
 Acq: 28 Sep 2018 1:05

Tgt Ion:172 Resp: 565527
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.3 46.9
 170 24.5 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

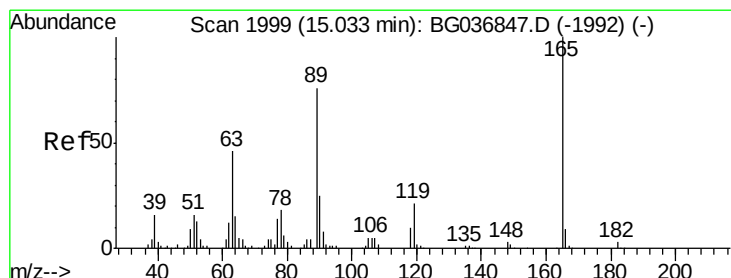
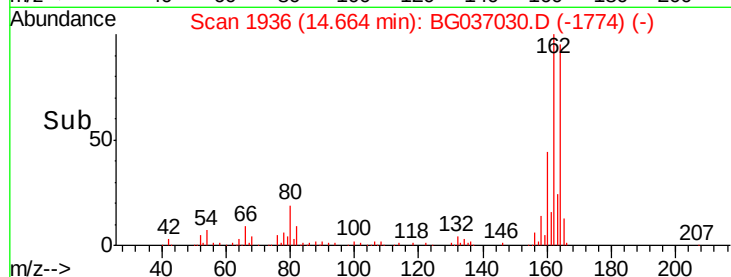
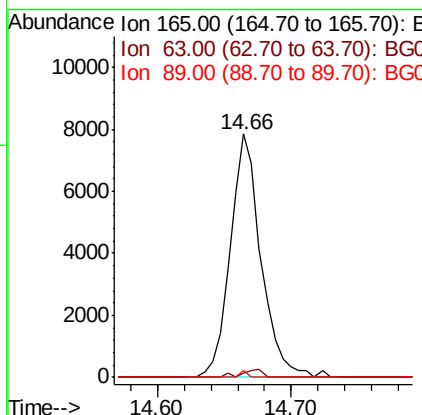
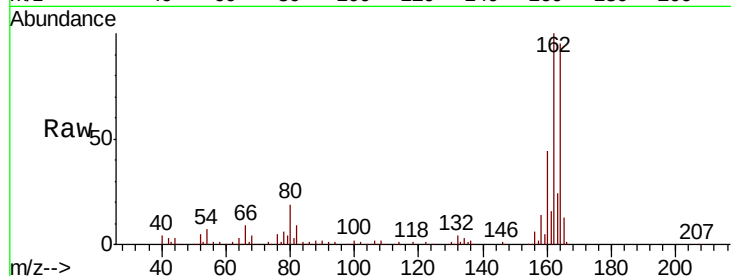




#50
 2,6-Dinitrotoluene
 Concen: 6.981 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037030.D
 Acq: 28 Sep 2018 1:05

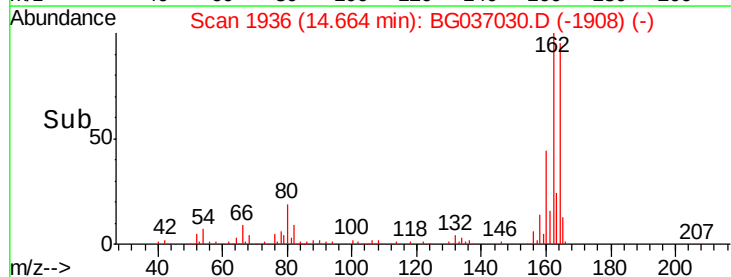
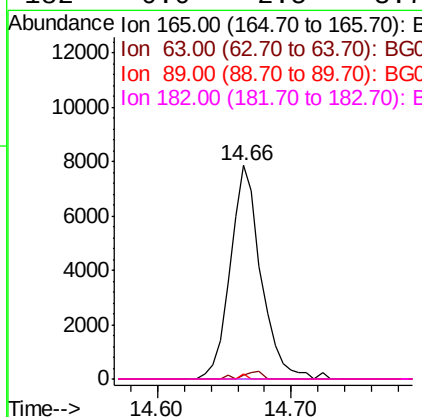
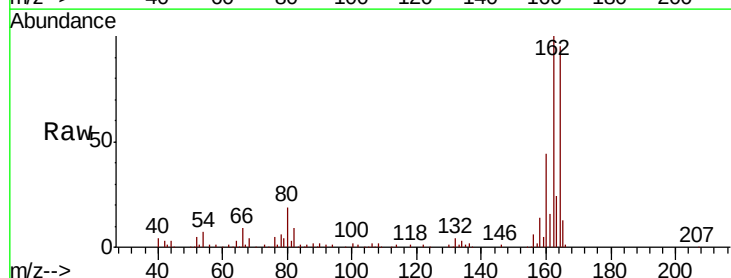
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

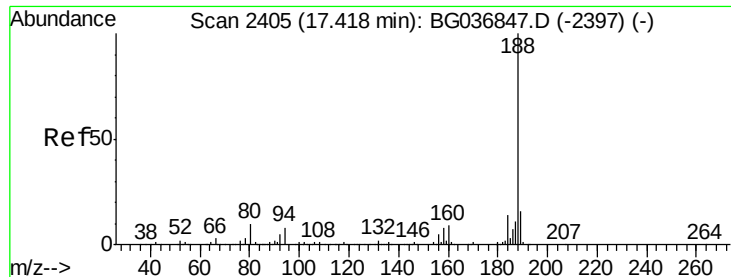
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	50.1	75.1#
89	2.7	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.003 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037030.D
 Acq: 28 Sep 2018 1:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.1	60.1#
89	2.7	63.7	95.5#
182	0.0	2.5	3.7#

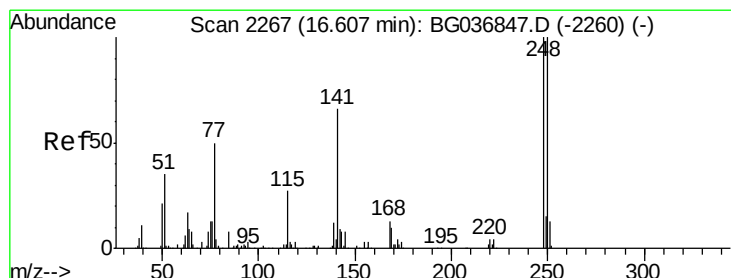
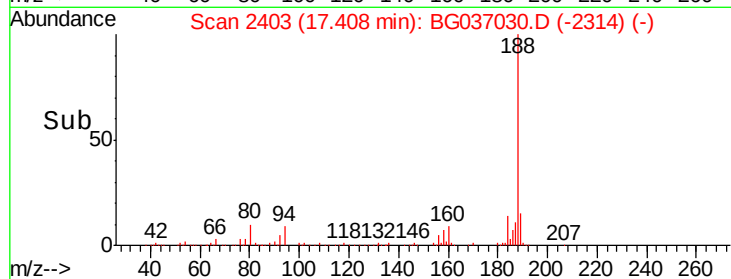
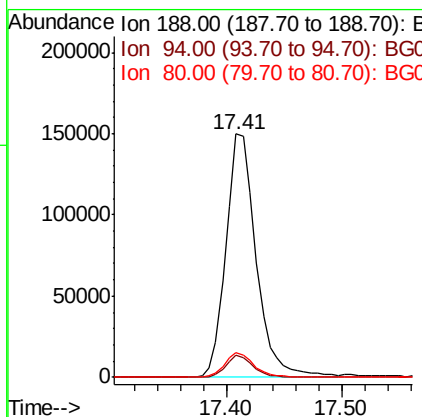
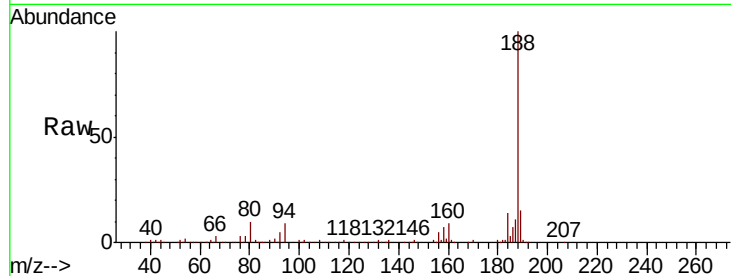




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

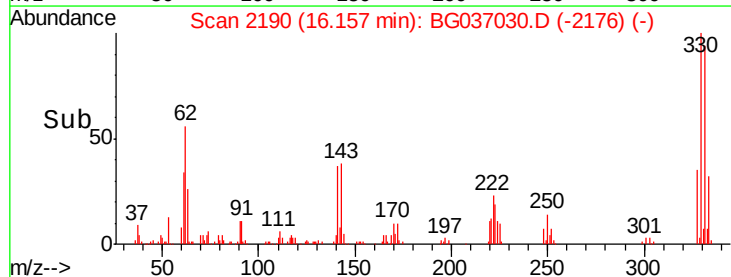
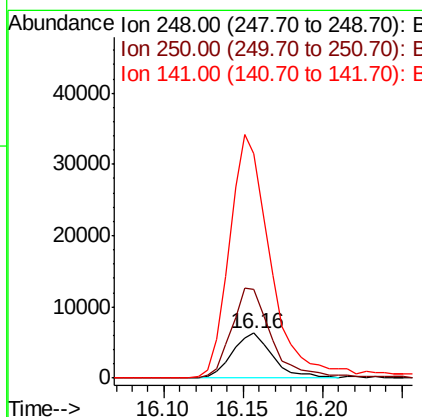
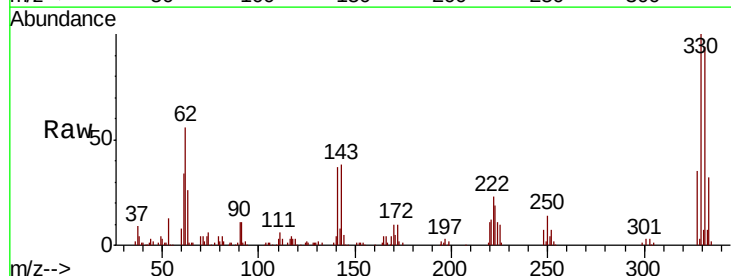
Instrument :
BNA_G
ClientSampleId :
TP-2

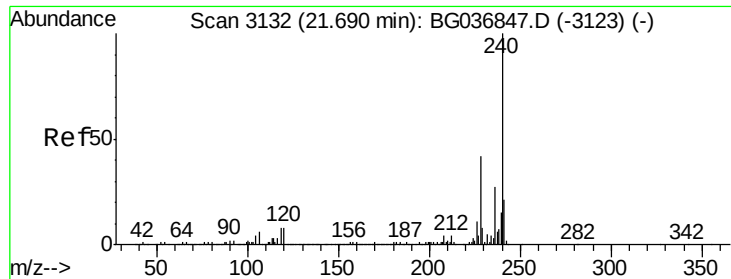
Tgt Ion:188 Resp: 271797
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 10.2 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.564 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG037030.D
Acq: 28 Sep 2018 1:05

Tgt Ion:248 Resp: 11017
Ion Ratio Lower Upper
248 100
250 197.1 78.1 117.1#
141 499.4 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

Instrument :

BNA_G

ClientSampleId :

TP-2

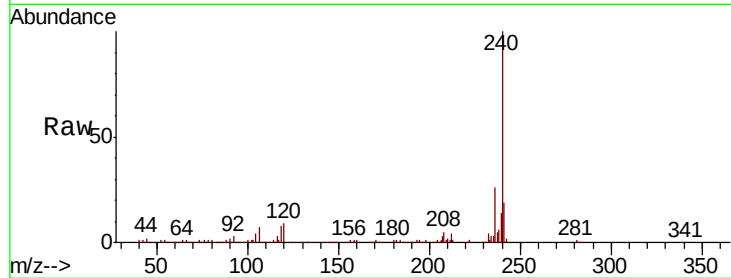
Tgt Ion:240 Resp: 320382

Ion Ratio Lower Upper

240 100

120 9.3 6.9 10.3

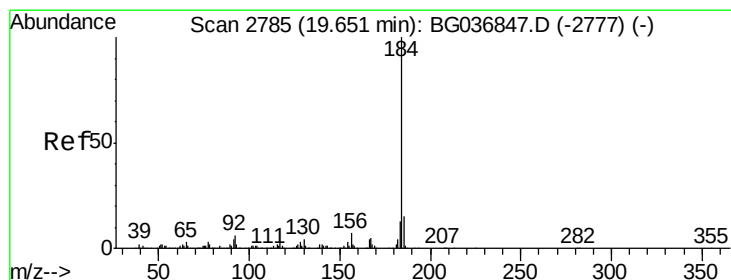
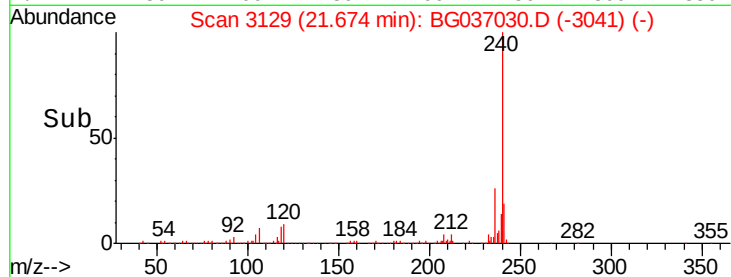
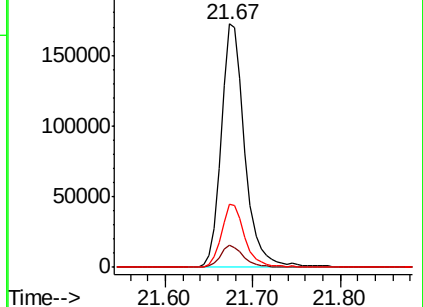
236 25.7 21.2 31.8



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: 2.068 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

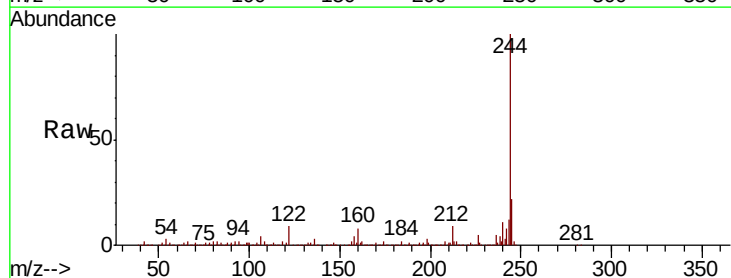
Tgt Ion:184 Resp: 20030

Ion Ratio Lower Upper

184 100

185 15.9 12.6 18.8

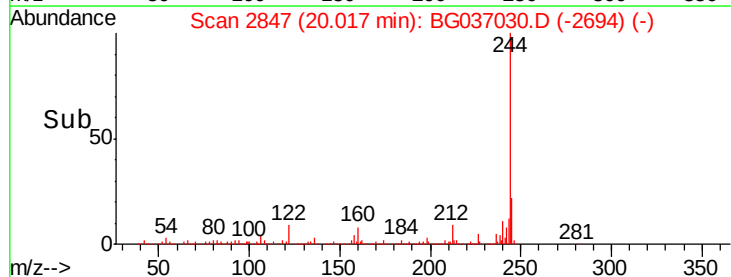
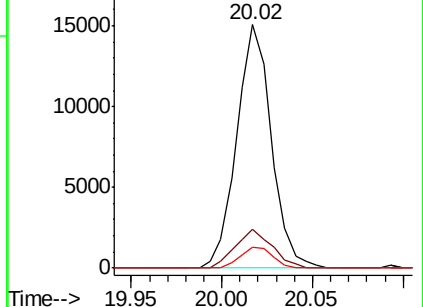
183 8.7 10.9 16.3#

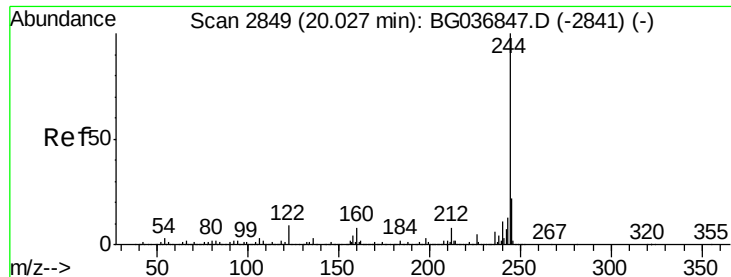


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.285 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

Instrument :

BNA_G

ClientSampleId :

TP-2

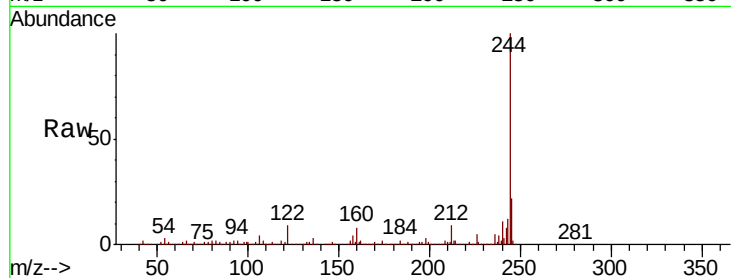
Tgt Ion:244 Resp: 1136602

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

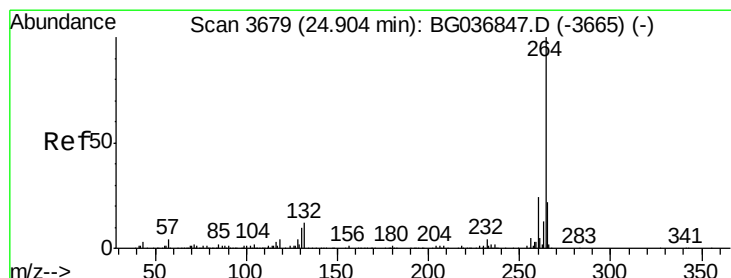
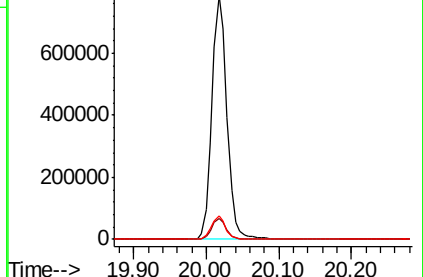
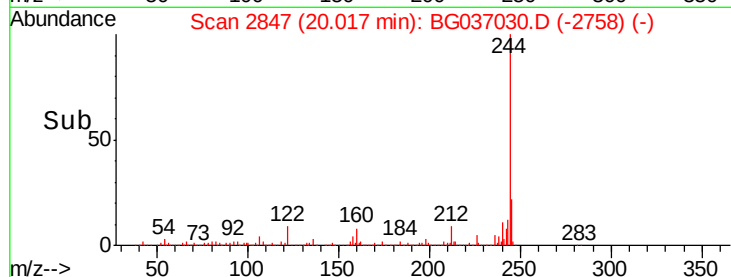
122 9.4 7.1 10.7



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: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037030.D

Acq: 28 Sep 2018 1:05

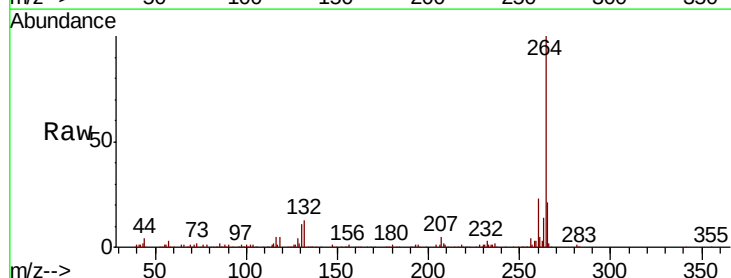
Tgt Ion:264 Resp: 311238

Ion Ratio Lower Upper

264 100

260 22.8 19.6 29.4

265 21.4 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

