

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037020.D
 Acq On : 27 Sep 2018 18:35
 Operator : JU/SJ
 Sample : PB113269BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFB

Quant Time: Sep 28 04:23:15 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

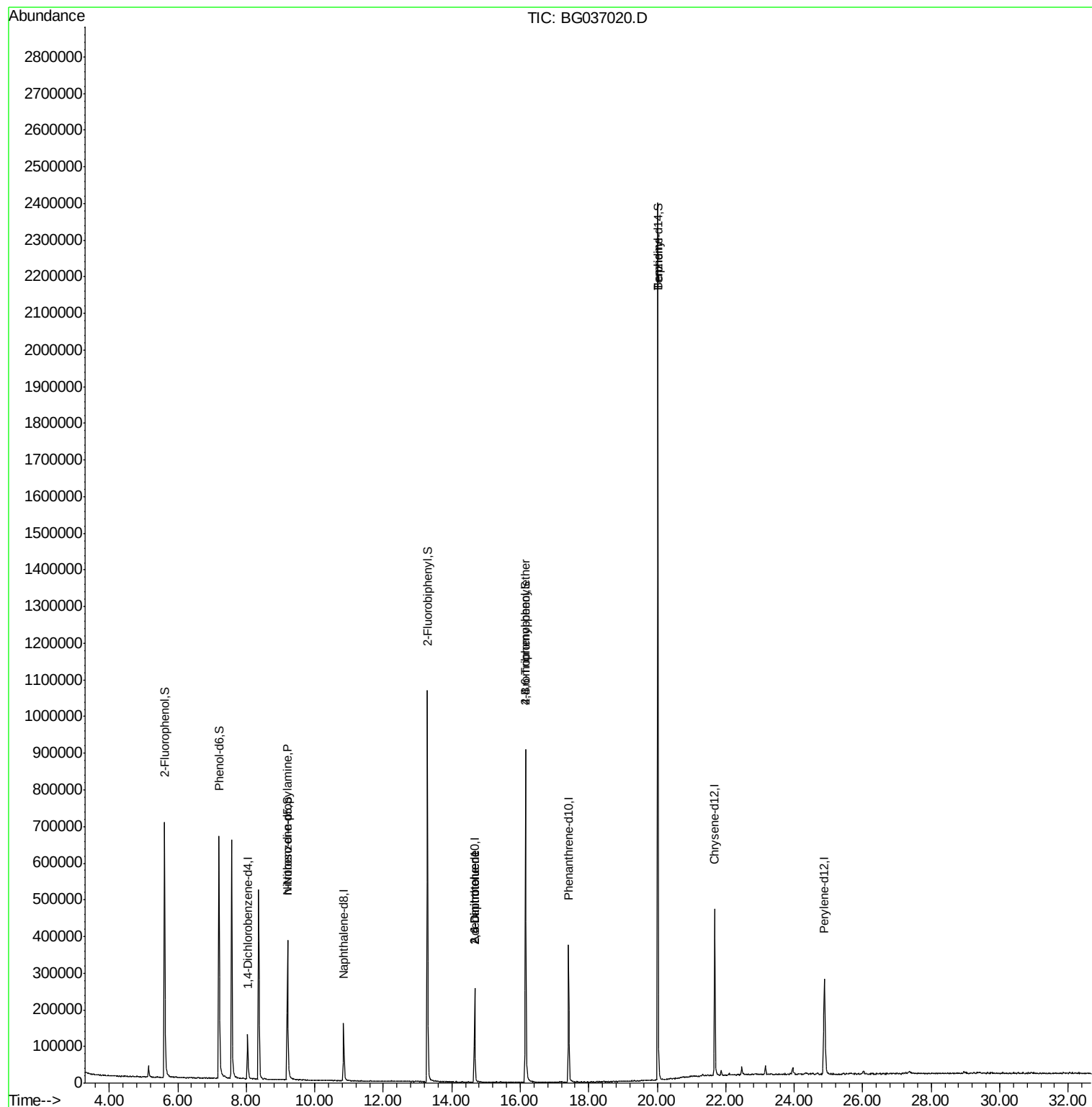
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39235	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	156879	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	95831	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	265447	20.00	ng	0.00
75) Chrysene-d12	21.68	240	300386	20.00	ng	-0.01
86) Perylene-d12	24.88	264	296149	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	318114	155.49	ng	0.00
7) Phenol-d6	7.20	99	427729	135.13	ng	-0.01
23) Nitrobenzene-d5	9.20	82	285969	97.62	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	177978	155.23	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	602777	93.68	ng	-0.01
78) Terphenyl-d14	20.02	244	1175602	102.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	37886	14.388	ng	# 68
50) 2,6-Dinitrotoluene	14.66	165	11982	7.119	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	11982	5.102	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	12631	4.183	ng	# 1
76) Benzidine	20.02	184	21201	2.335	ng	# 93

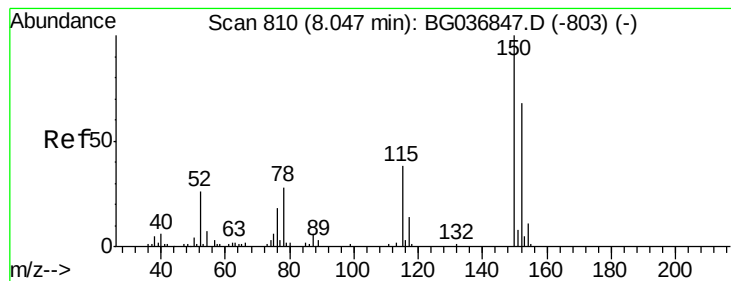
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG037020.D

Acq: 27 Sep 2018 18:35

Instrument :

BNA_G

ClientSampleId :

BFB

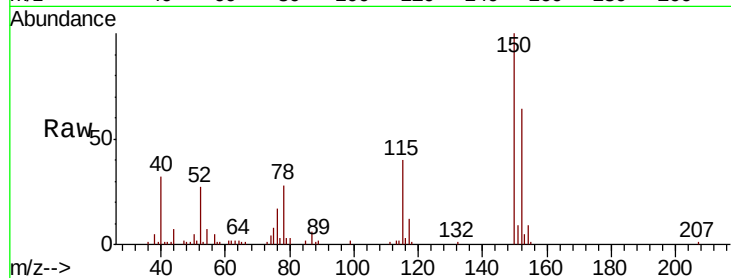
Tgt Ion:152 Resp: 39235

Ion Ratio Lower Upper

152 100

150 156.5 119.5 179.3

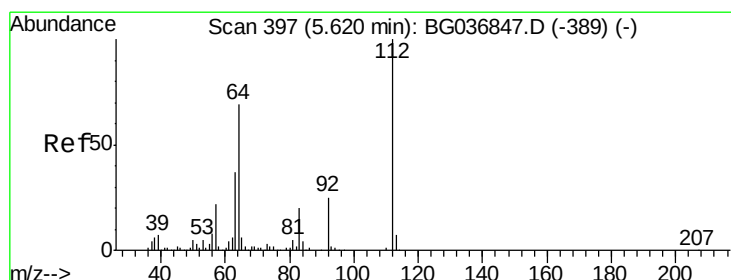
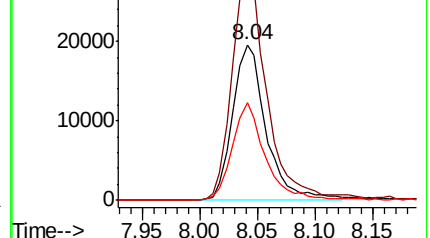
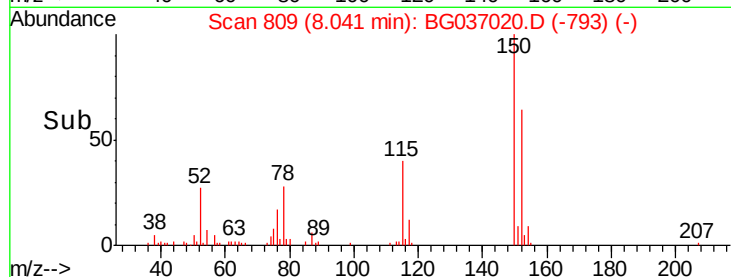
115 62.8 44.5 66.7



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: 155.492 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

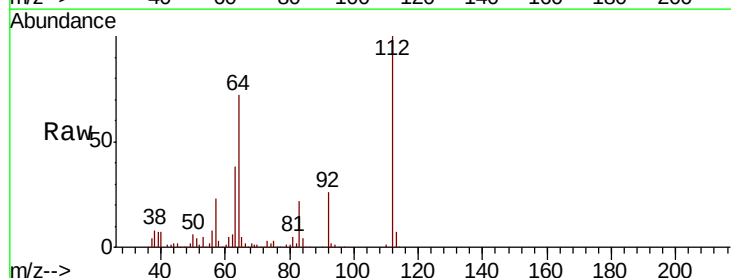
Tgt Ion:112 Resp: 318114

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

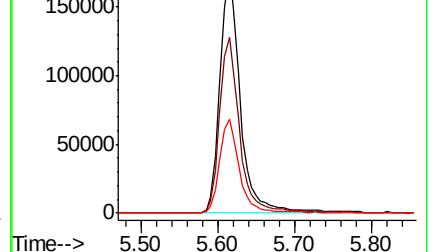
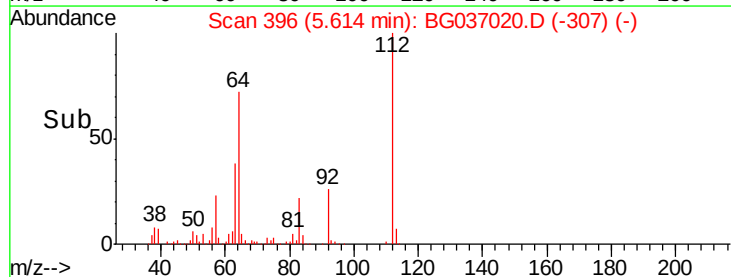
63 38.4 30.8 46.2

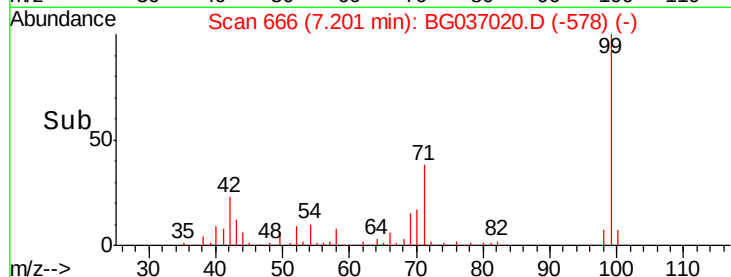
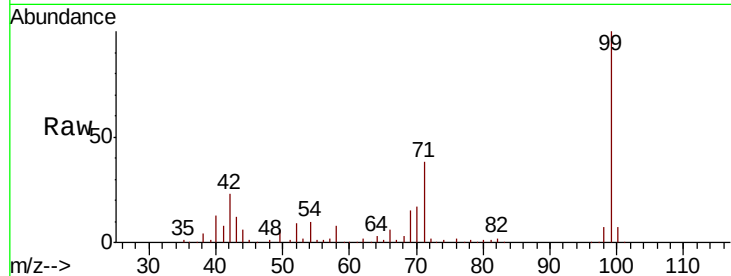
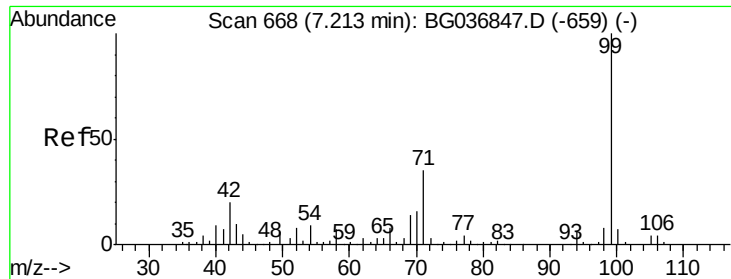


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 135.131 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

Instrument :

BNA_G

ClientSampleId :

BFB

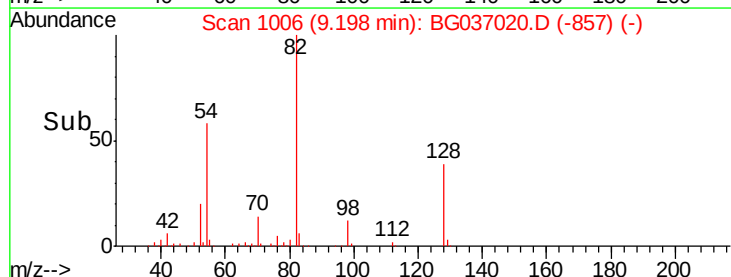
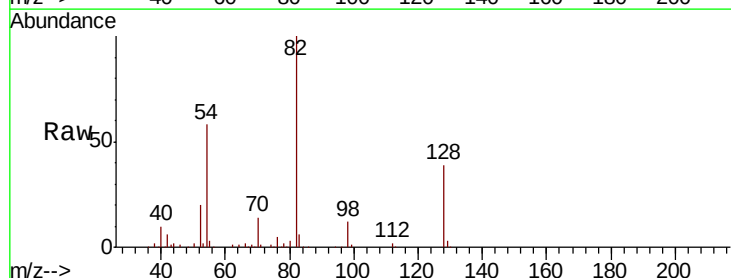
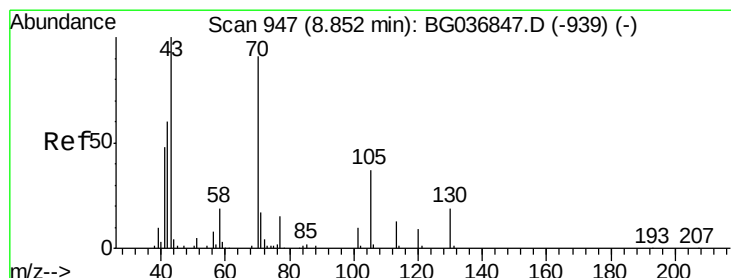
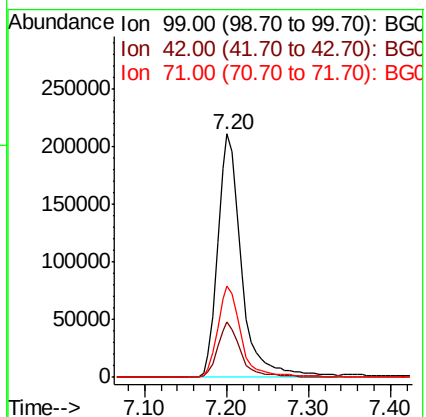
Tgt Ion: 99 Resp: 427729

Ion Ratio Lower Upper

99 100

42 22.8 16.5 24.7

71 37.6 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.388 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

Tgt Ion: 70 Resp: 37886

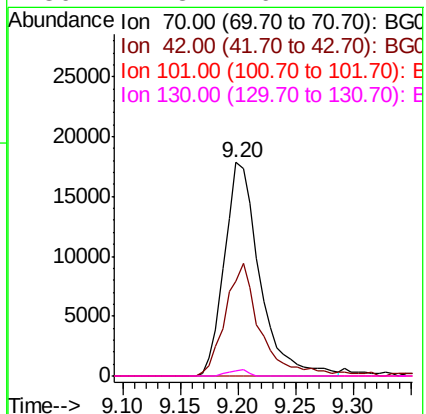
Ion Ratio Lower Upper

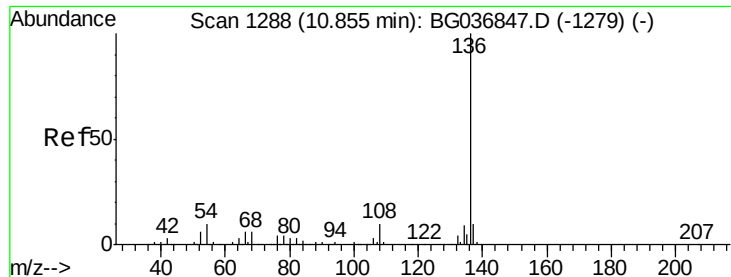
70 100

42 44.6 56.2 84.4#

101 0.0 7.8 11.6#

130 2.3 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: BG037020.D

Acq: 27 Sep 2018 18:35

Instrument :

BNA_G

ClientSampleId :

BFB

Tgt Ion:136 Resp: 156879

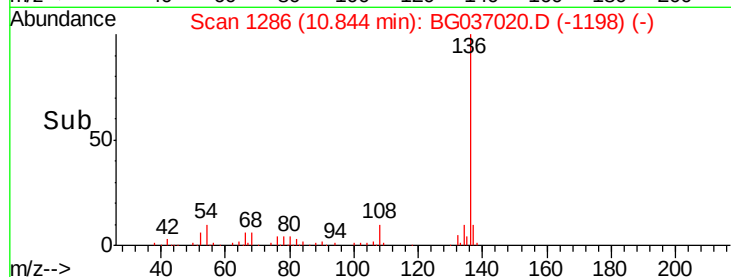
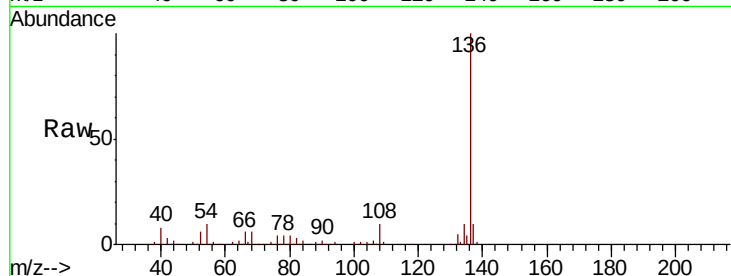
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 10.0 9.2 13.8

68 5.7 5.8 8.6#

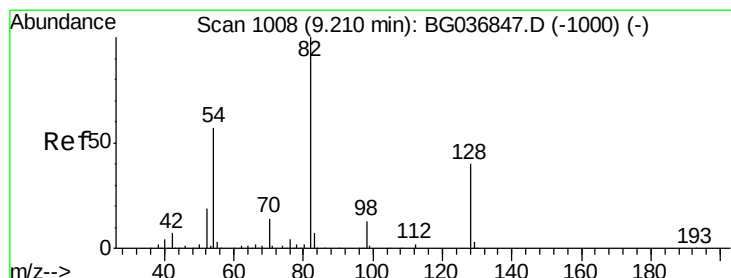
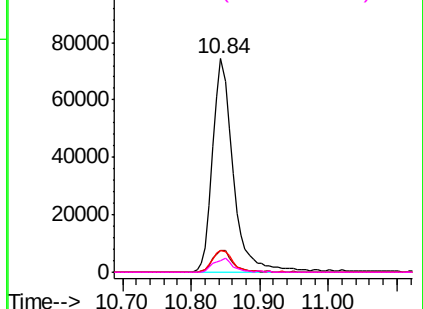


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 97.616 ng

RT: 9.20 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

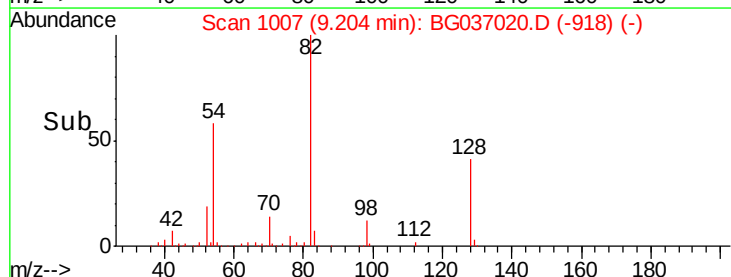
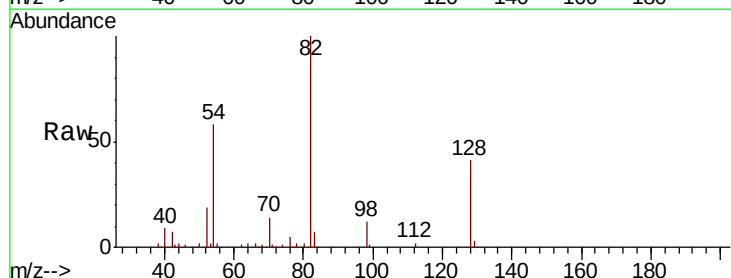
Tgt Ion: 82 Resp: 285969

Ion Ratio Lower Upper

82 100

128 40.8 33.3 49.9

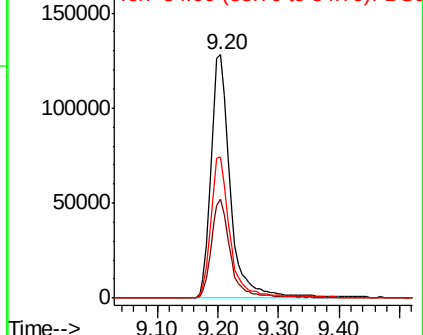
54 58.0 45.1 67.7

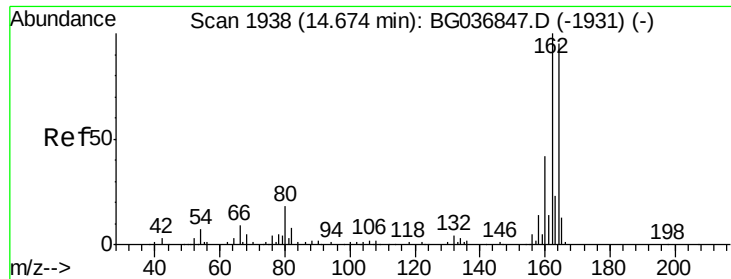


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

Instrument :

BNA_G

ClientSampleId :

BFB

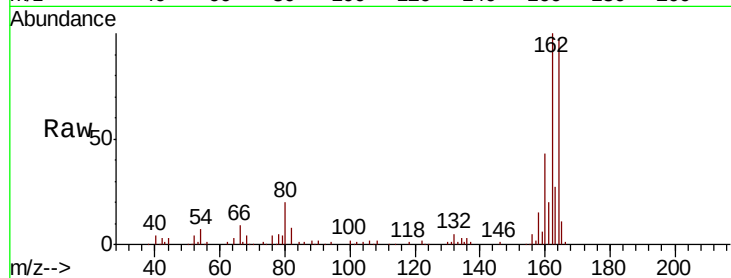
Tgt Ion:164 Resp: 95831

Ion Ratio Lower Upper

164 100

162 102.6 80.7 121.1

160 44.2 35.3 52.9

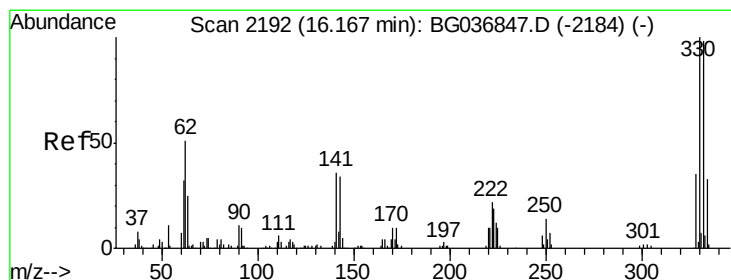
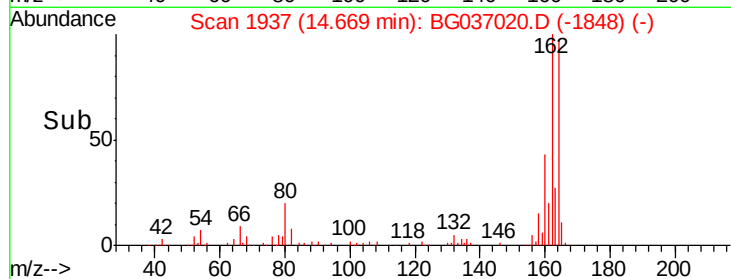
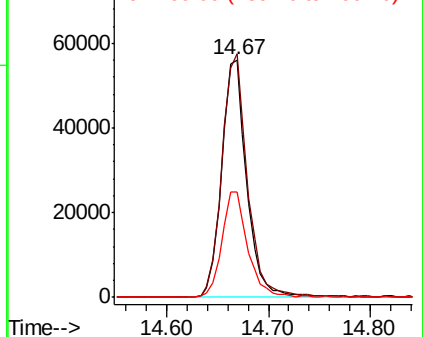


Abundance

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: 155.228 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037020.D

Acq: 27 Sep 2018 18:35

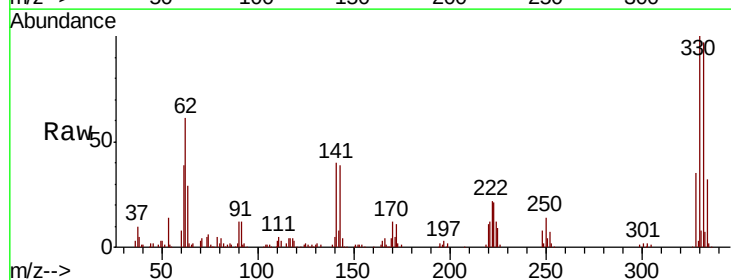
Tgt Ion:330 Resp: 177978

Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.2

141 40.6 30.7 46.1

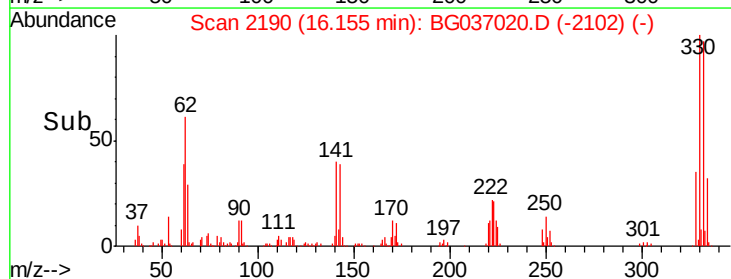
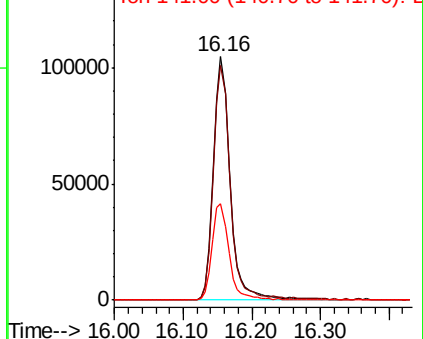


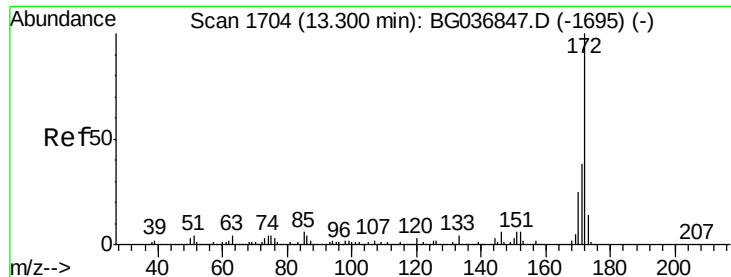
Abundance

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

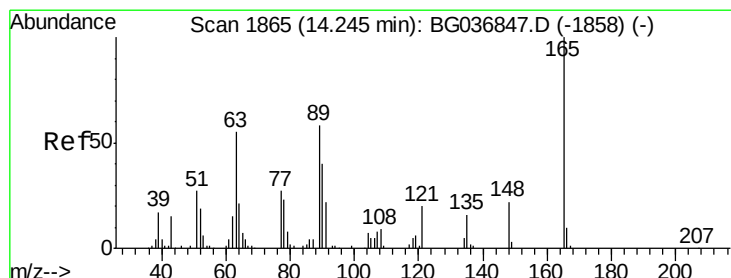
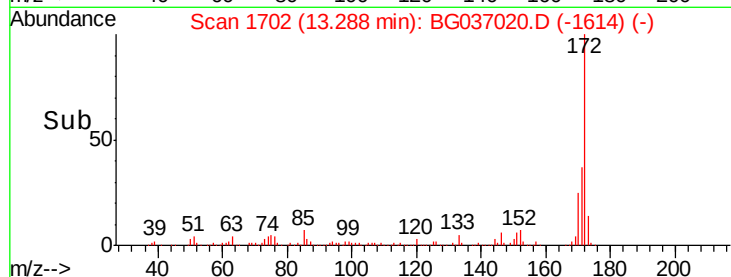
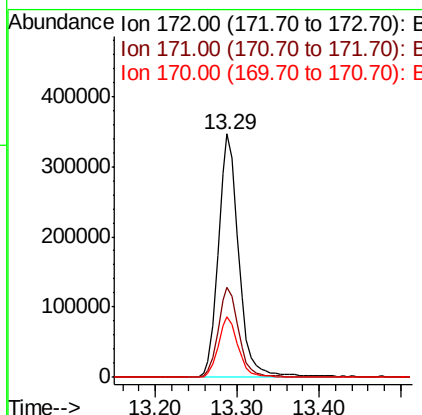
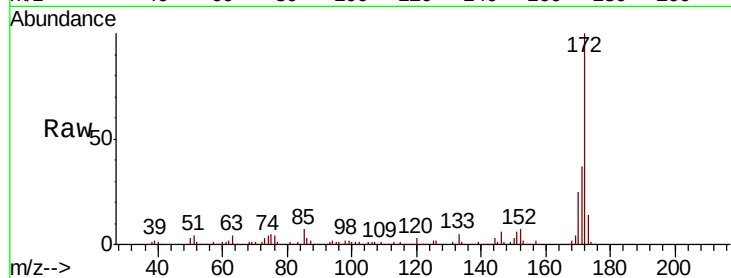




#44
 2-Fluorobiphenyl
 Concen: 93.683 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037020.D
 Acq: 27 Sep 2018 18:35

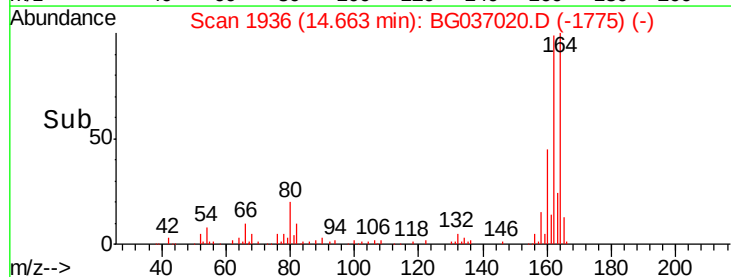
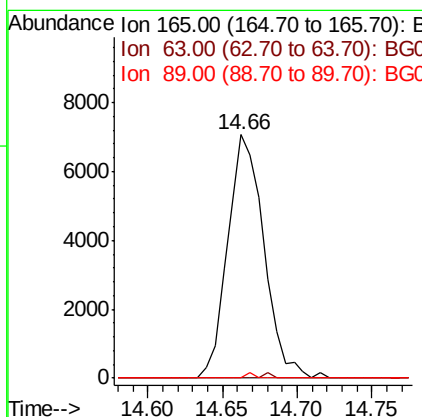
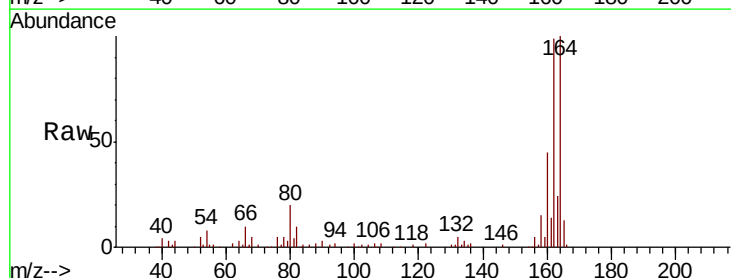
Instrument :
 BNA_G
 ClientSampleId :
 BFB

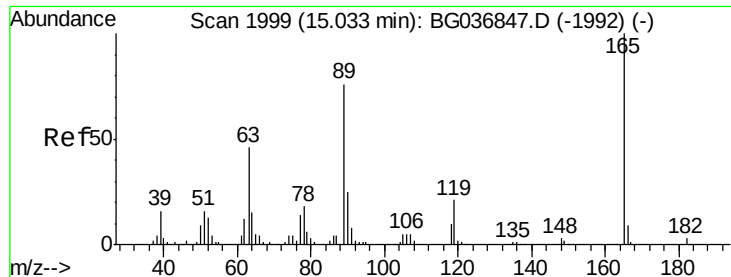
Tgt Ion:172 Resp: 602777
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.3 46.9
 170 24.8 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.119 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037020.D
 Acq: 27 Sep 2018 18:35

Tgt Ion:165 Resp: 11982
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

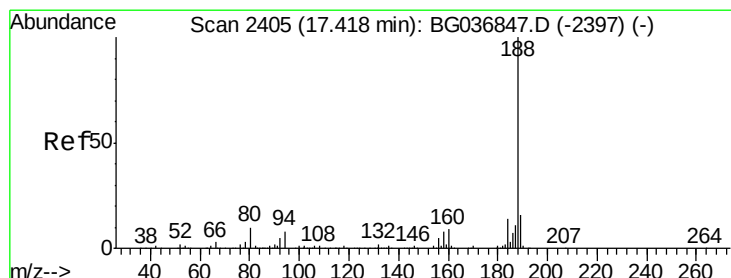
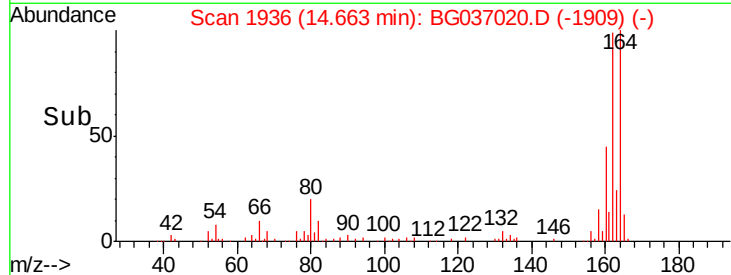
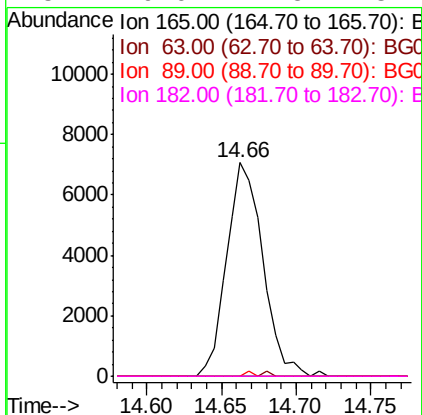
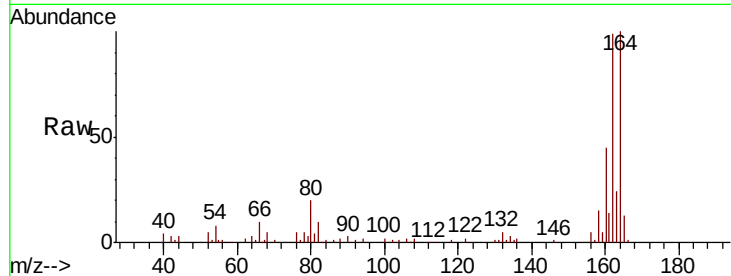




#56
2,4-Dinitrotoluene
Concen: 5.102 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG037020.D
Acq: 27 Sep 2018 18:35

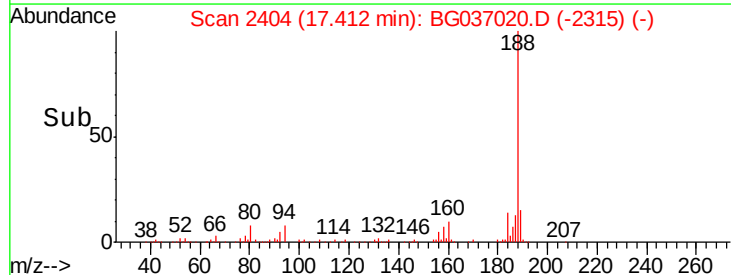
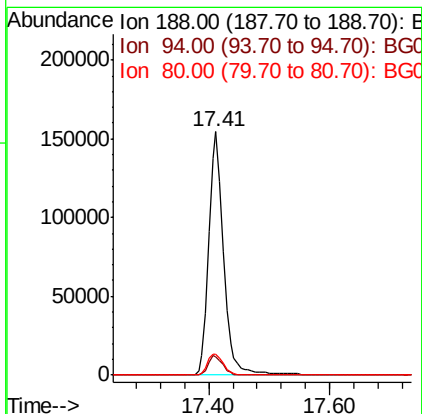
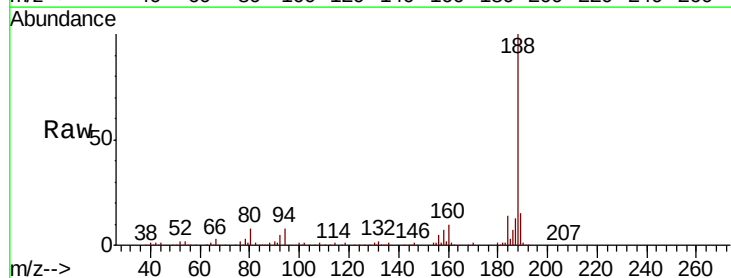
Instrument :
BNA_G
ClientSampled :
BFB

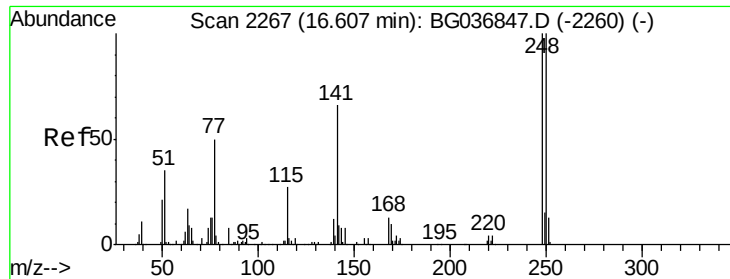
Tgt Ion:165 Resp: 11982
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 0.0 63.7 95.5#
182 0.0 2.5 3.7#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG037020.D
Acq: 27 Sep 2018 18:35

Tgt Ion:188 Resp: 265447
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.4 8.1 12.1

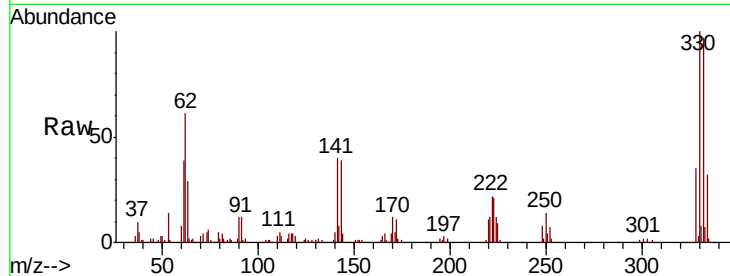




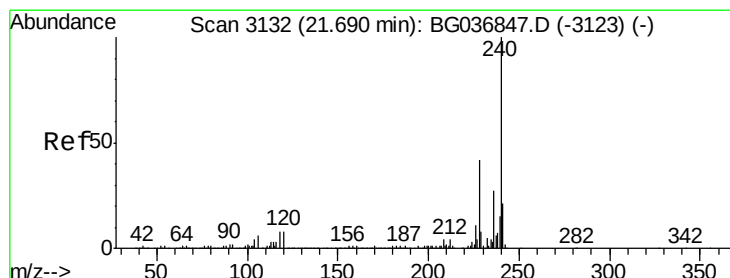
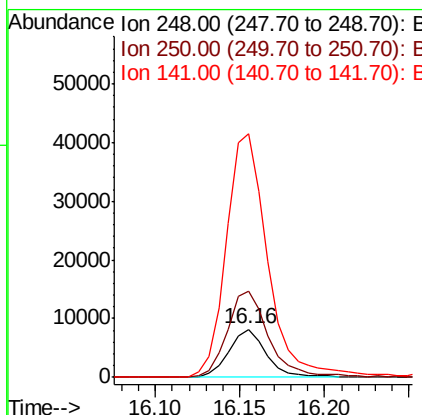
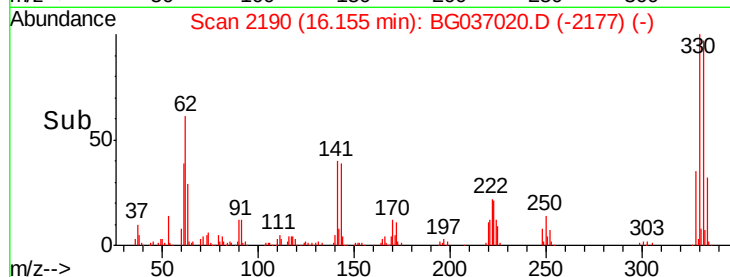
#66
 4-Bromophenyl-phenylether
 Concen: 4.183 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG037020.D
 Acq: 27 Sep 2018 18:35

Instrument :
 BNA_G
 ClientSampled :
 BFB

Tgt Ion:248 Resp: 12631
 Ion Ratio Lower Upper
 248 100
 250 178.2 78.1 117.1#
 141 503.4 53.7 80.5#

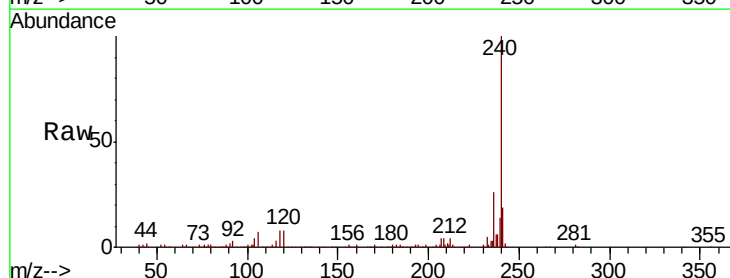


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

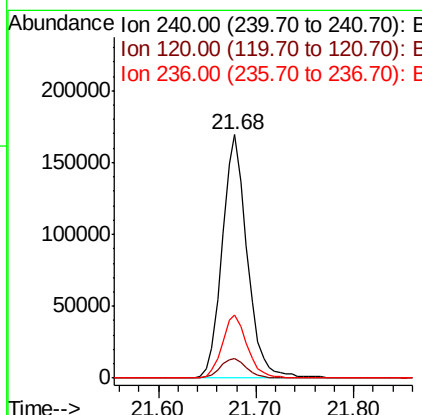
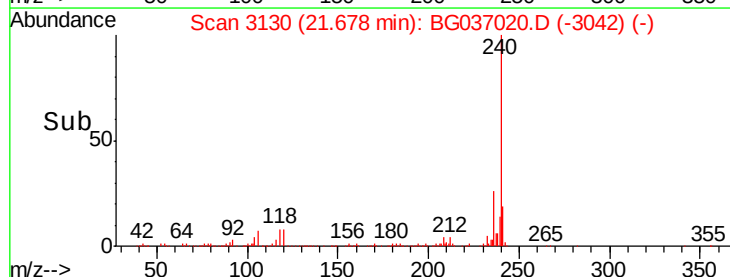


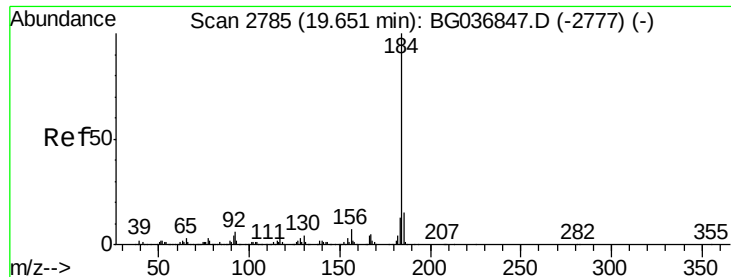
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG037020.D
 Acq: 27 Sep 2018 18:35

Tgt Ion:240 Resp: 300386
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 26.1 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

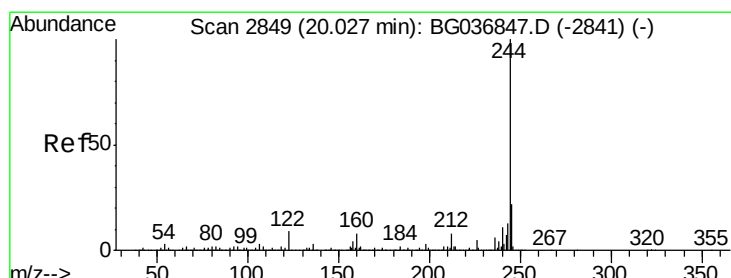
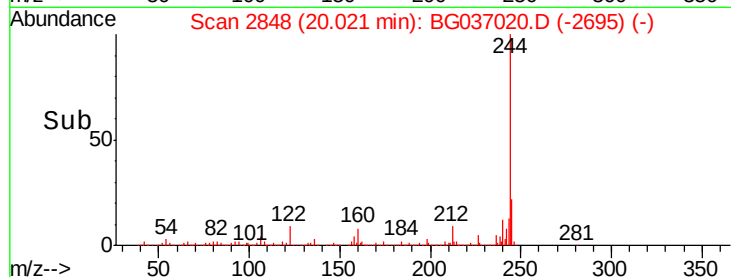
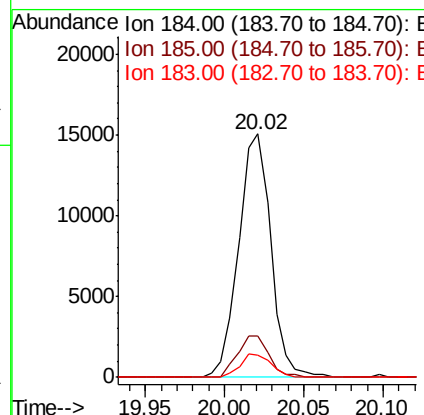
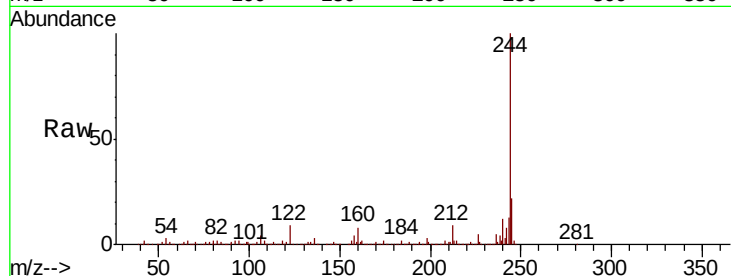




#76
Benzidine
Concen: 2.335 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG037020.D
Acq: 27 Sep 2018 18:35

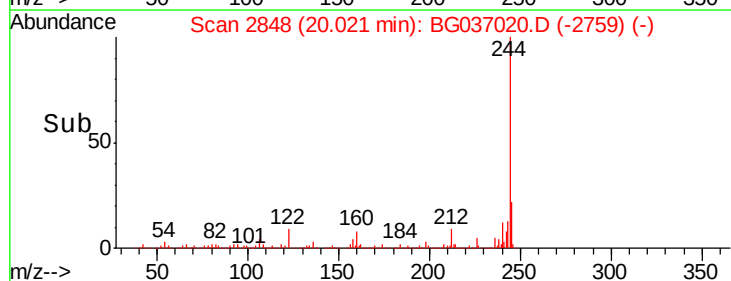
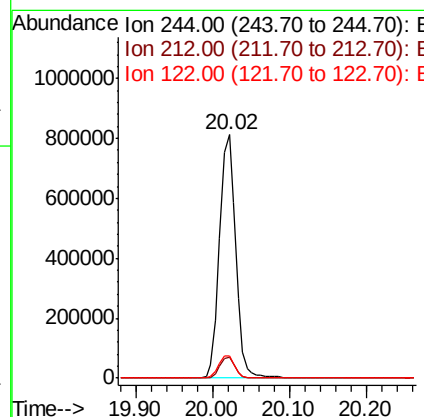
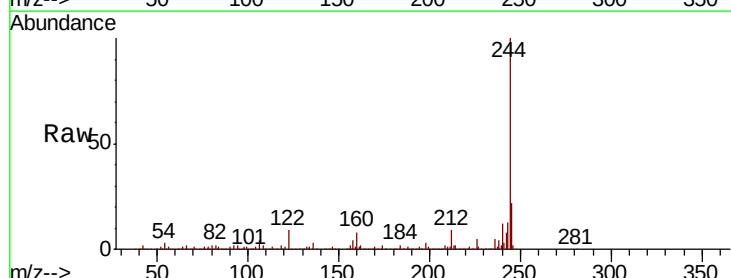
Instrument :
BNA_G
ClientSampleId :
BFB

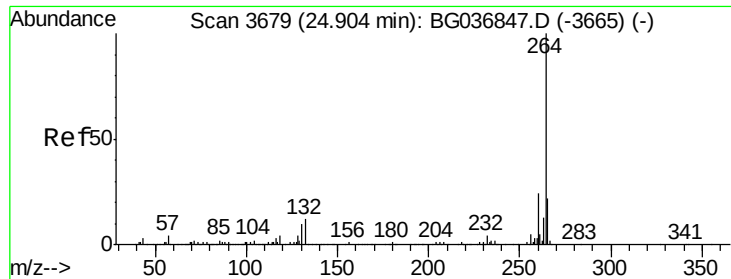
Tgt Ion:184 Resp: 21201
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 9.0 10.9 16.3#



#78
Terphenyl-d14
Concen: 102.909 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG037020.D
Acq: 27 Sep 2018 18:35

Tgt Ion:244 Resp: 1175602
Ion Ratio Lower Upper
244 100
212 8.7 7.0 10.6
122 9.1 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037020.D
Acq: 27 Sep 2018 18:35

Instrument :
BNA_G
ClientSampleId :
BFB

Tgt Ion:	264	Resp:	296149
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	20.2	17.4	26.0

