

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092418\
 Data File : BG036934.D
 Acq On : 25 Sep 2018 1:38
 Operator : JU/SJ
 Sample : PB113130BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB113130BL

Quant Time: Sep 25 06:11:16 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

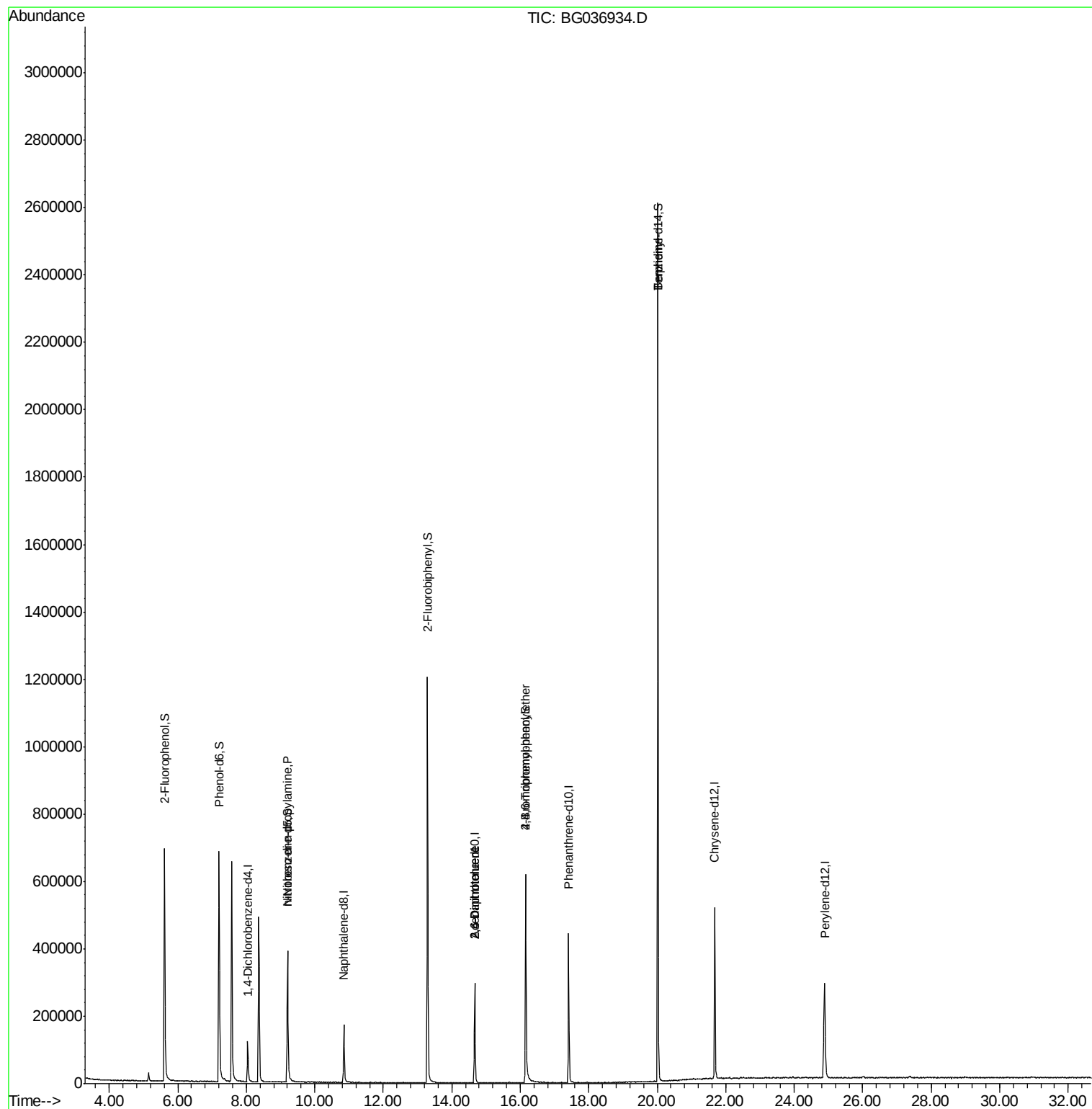
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	38953	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	170029	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	114629	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	307002	20.00	ng	0.00
75) Chrysene-d12	21.68	240	336231	20.00	ng	-0.01
86) Perylene-d12	24.89	264	325825	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	324192	159.61	ng	0.00
7) Phenol-d6	7.21	99	448435	142.70	ng	0.00
23) Nitrobenzene-d5	9.20	82	284058	89.46	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	144163	105.12	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	676868	87.95	ng	0.00
78) Terphenyl-d14	20.02	244	1254365	98.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	37186	14.224	ng	# 71
50) 2,6-Dinitrotoluene	14.67	165	14365	7.136	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	14365	5.114	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	9567	2.740	ng	# 1
76) Benzidine	20.02	184	21664	2.131	ng	# 91

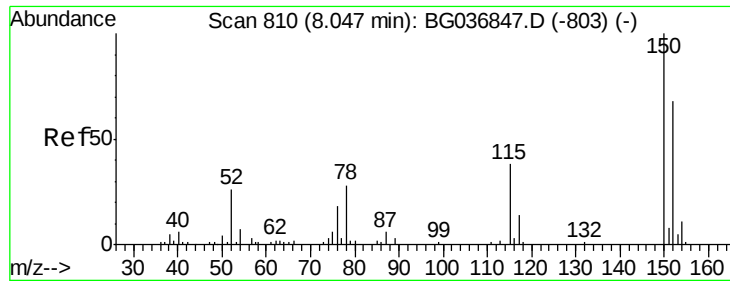
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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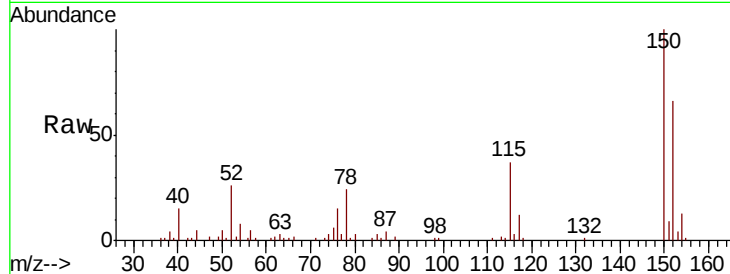


#1

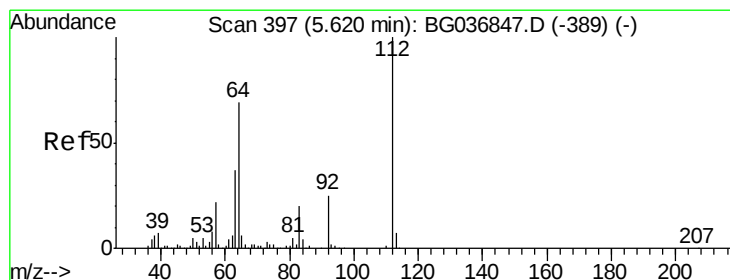
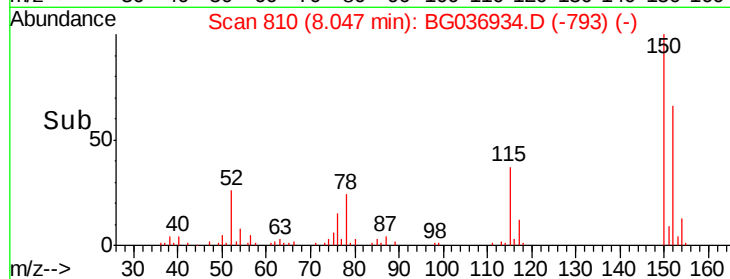
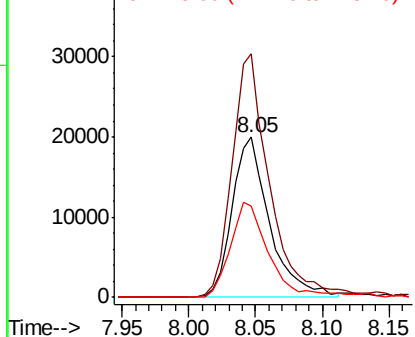
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Instrument :
 BNA_G
 ClientSampleId :
 PB113130BL

Tgt Ion:152 Resp: 38953
 Ion Ratio Lower Upper
 152 100
 150 151.9 119.5 179.3
 115 56.9 44.5 66.7



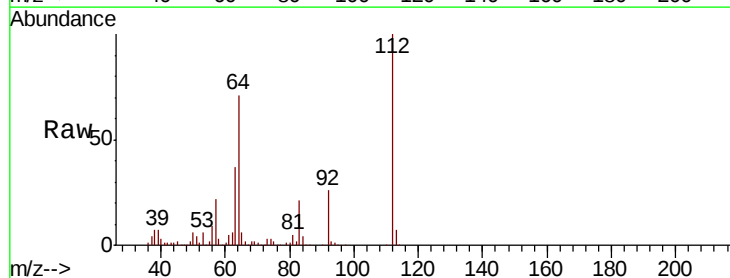
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



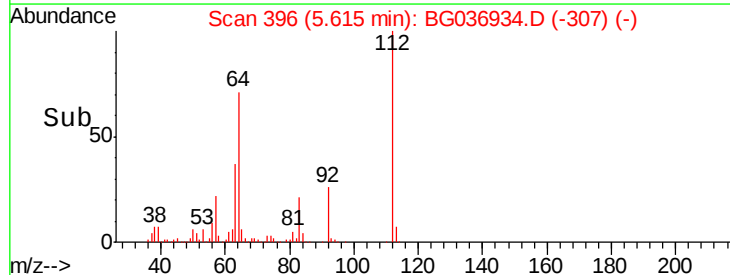
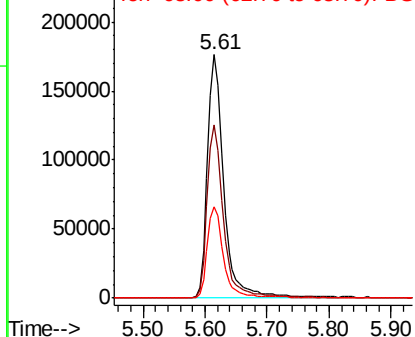
#5

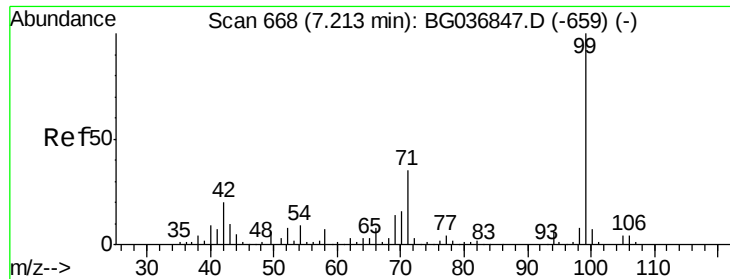
2-Fluorophenol
 Concen: 159.610 ng
 RT: 5.61 min Scan# 396
 Delta R.T. -0.01 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Tgt Ion:112 Resp: 324192
 Ion Ratio Lower Upper
 112 100
 64 71.2 57.2 85.8
 63 37.4 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: 142.699 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036934.D

Acq: 25 Sep 2018 1:38

Instrument :

BNA_G

ClientSampleId :

PB113130BL

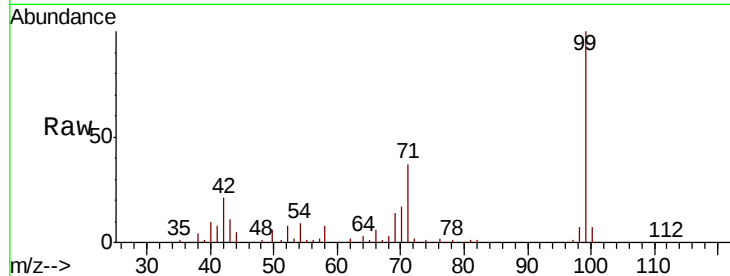
Tgt Ion: 99 Resp: 448435

Ion Ratio Lower Upper

99 100

42 20.8 16.5 24.7

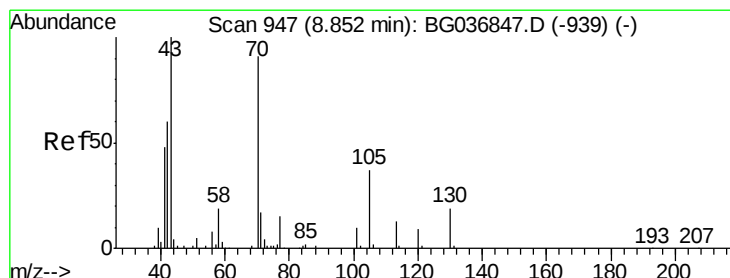
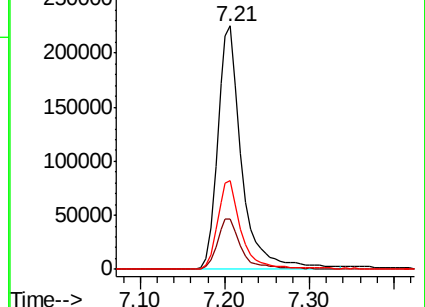
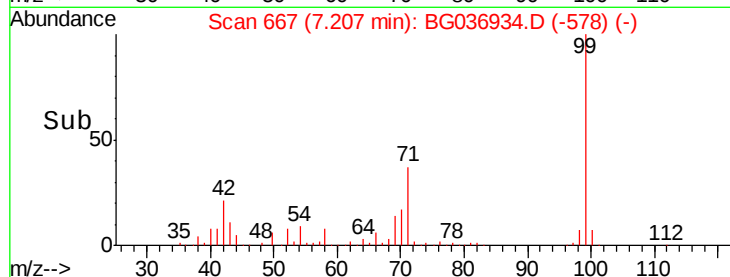
71 36.6 29.4 44.2



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: 14.224 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036934.D

Acq: 25 Sep 2018 1:38

Tgt Ion: 70 Resp: 37186

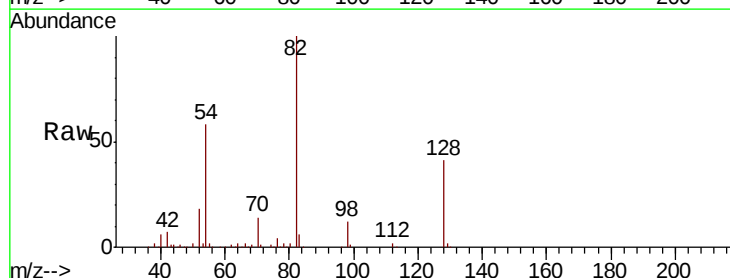
Ion Ratio Lower Upper

70 100

42 48.8 56.2 84.4#

101 0.0 7.8 11.6#

130 1.8 16.2 24.2#

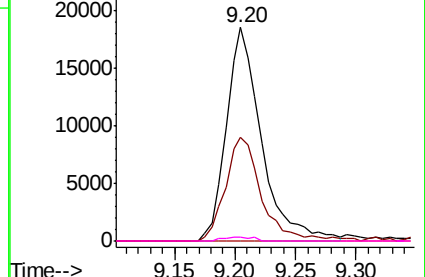
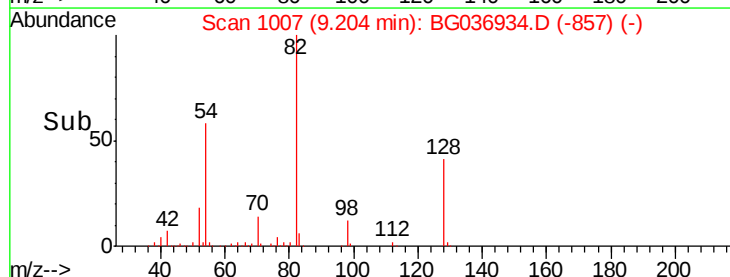


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

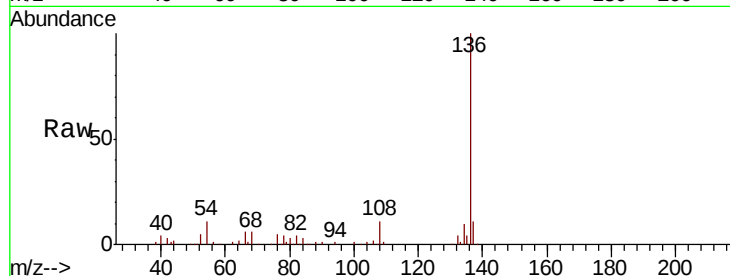




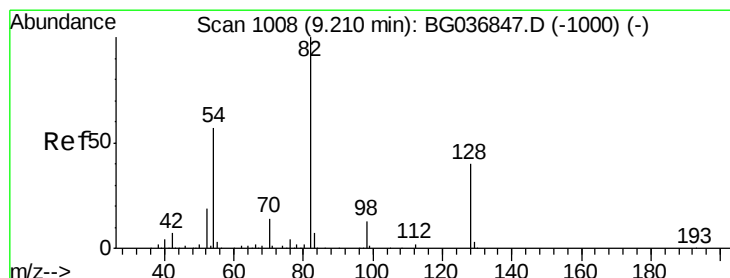
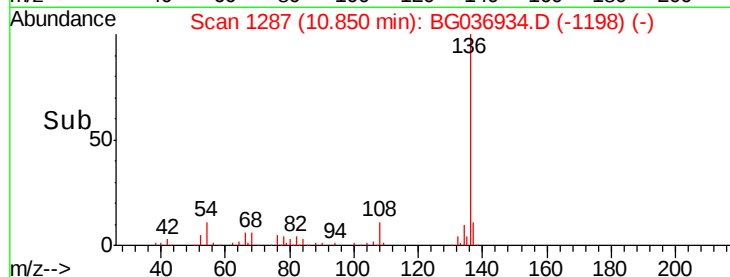
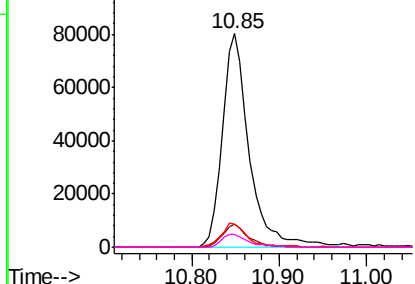
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036934.D
Acq: 25 Sep 2018 1:38

Instrument :
BNA_G
ClientSampleId :
PB113130BL

Tgt Ion:	136	Resp:	170029
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	11.1	9.2	13.8
68	6.3	5.8	8.6

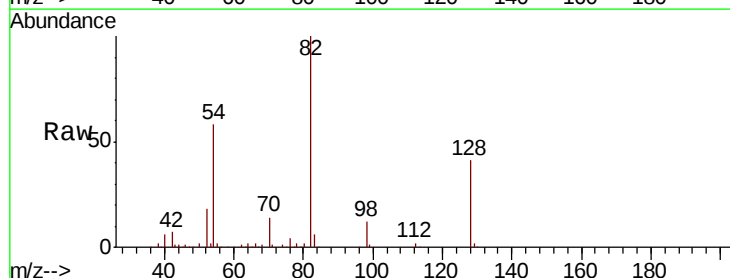


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

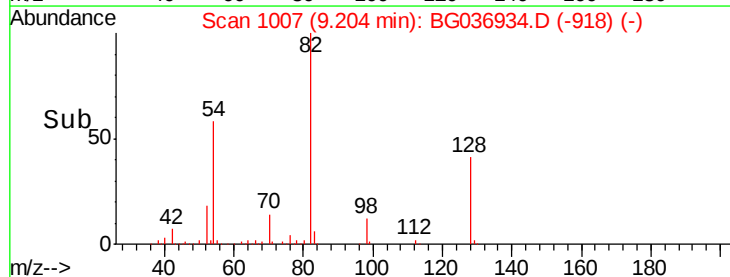
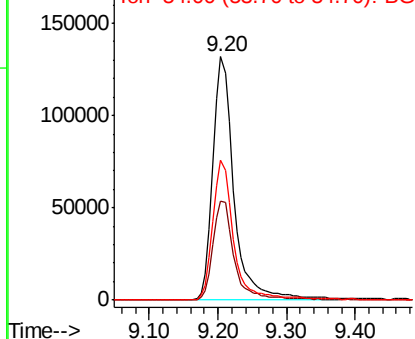


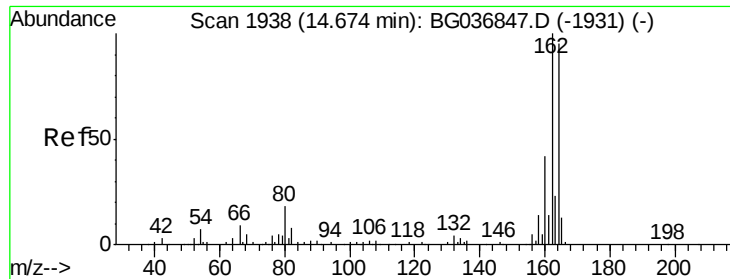
#23
Nitrobenzene-d5
Concen: 89.465 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036934.D
Acq: 25 Sep 2018 1:38

Tgt Ion:	82	Resp:	284058
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.3	49.9
54	57.6	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# 1937

Delta R.T. -0.01 min

Lab File: BG036934.D

Acq: 25 Sep 2018 1:38

Instrument :

BNA_G

ClientSampleId :

PB113130BL

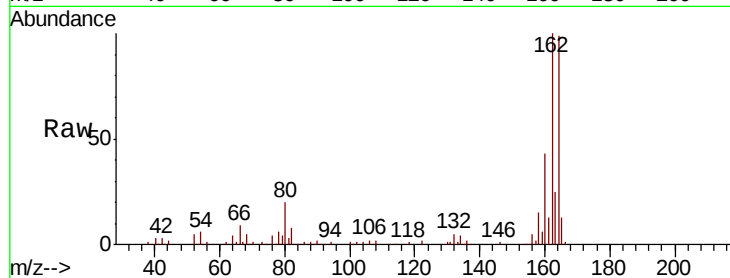
Tgt Ion:164 Resp: 114629

Ion Ratio Lower Upper

164 100

162 101.5 80.7 121.1

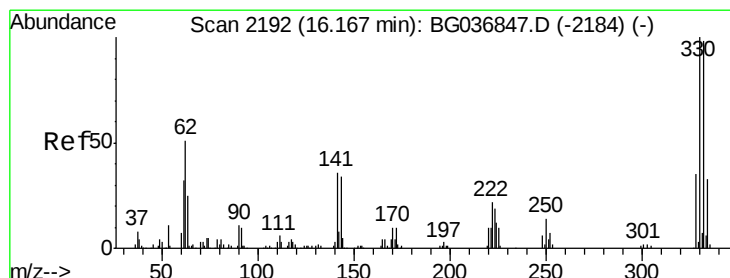
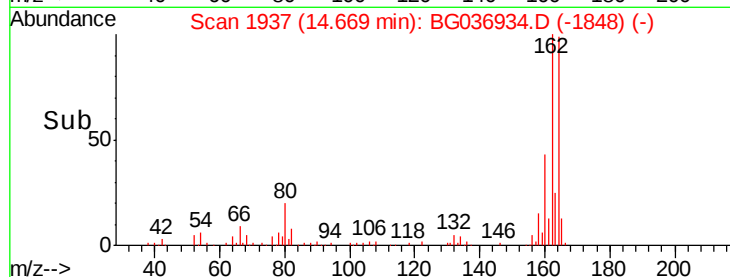
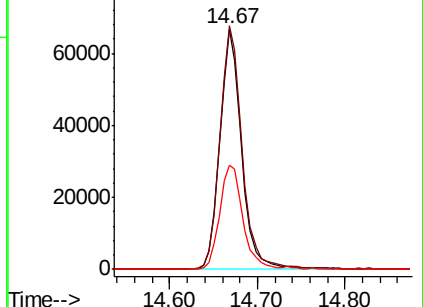
160 43.5 35.3 52.9



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: 105.116 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036934.D

Acq: 25 Sep 2018 1:38

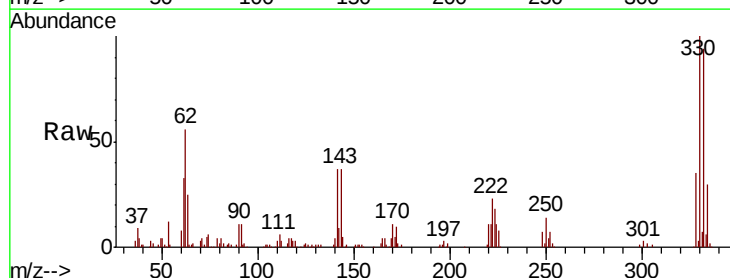
Tgt Ion:330 Resp: 144163

Ion Ratio Lower Upper

330 100

332 93.5 75.4 113.2

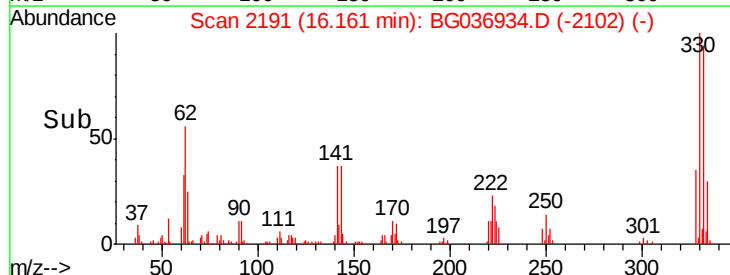
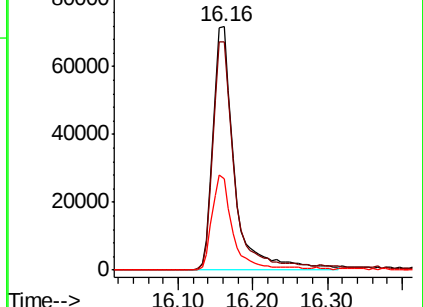
141 38.8 30.7 46.1

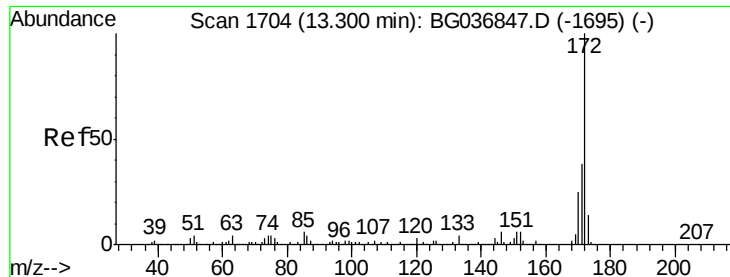


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

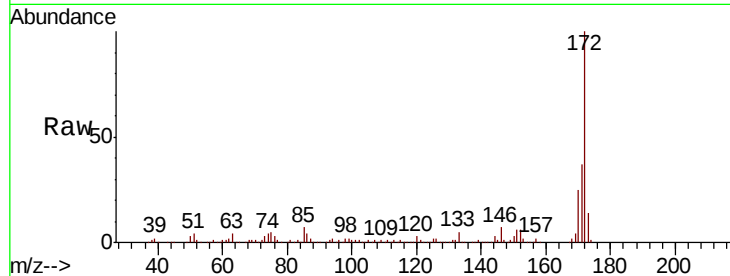




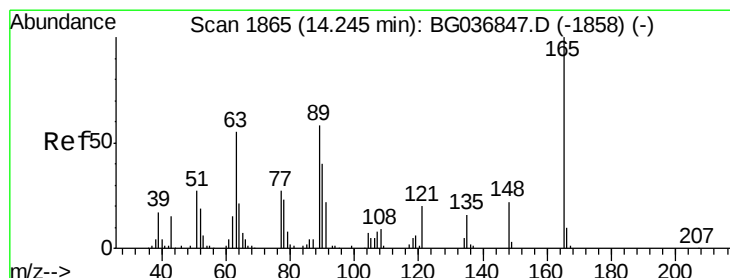
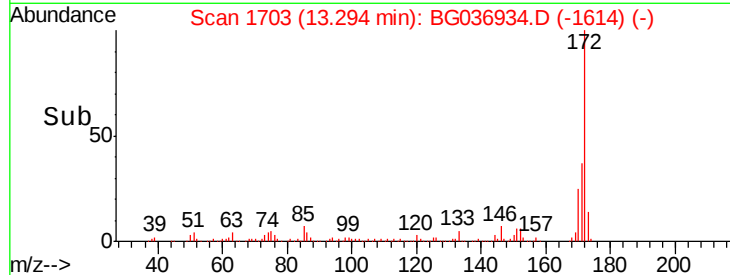
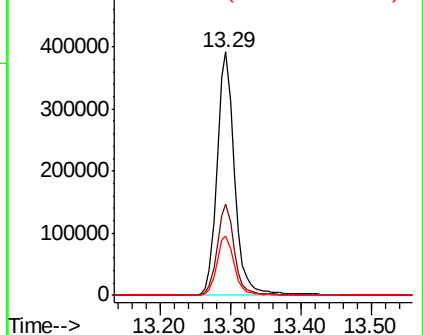
#44
 2-Fluorobiphenyl
 Concen: 87.946 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Instrument :
 BNA_G
 ClientSampleId :
 PB113130BL

Tgt Ion:172 Resp: 676868
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.3 46.9
 170 24.5 21.0 31.6

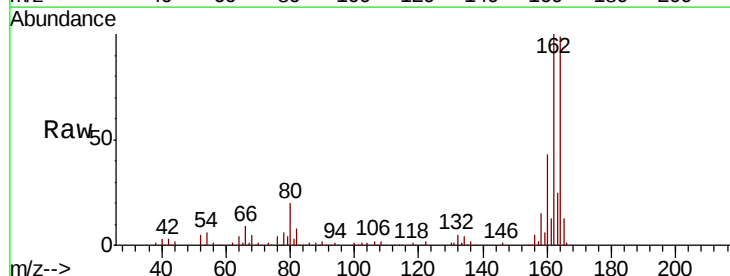


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

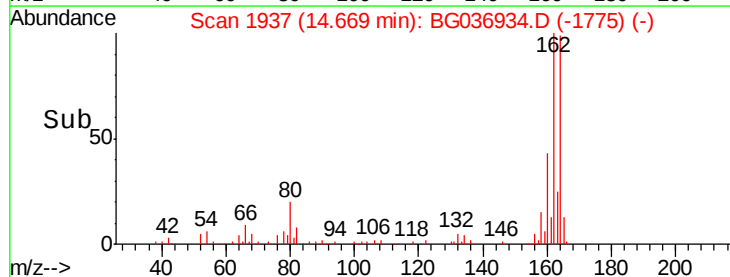
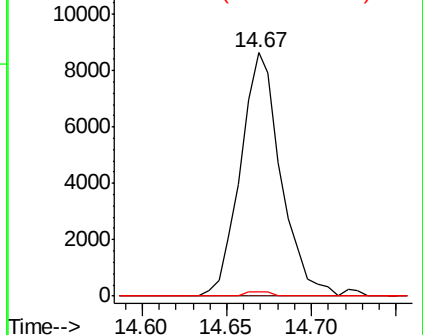


#50
 2,6-Dinitrotoluene
 Concen: 7.136 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Tgt Ion:165 Resp: 14365
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 1.9 47.8 71.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG0
 Ion 89.00 (88.70 to 89.70): BG0

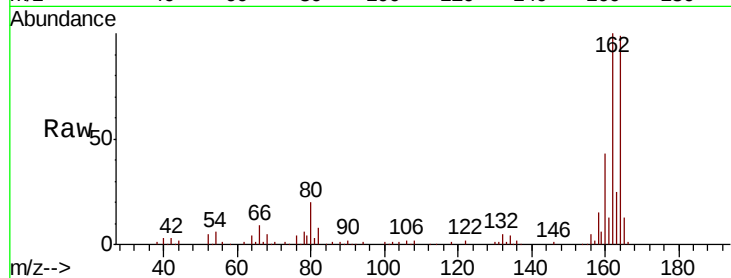




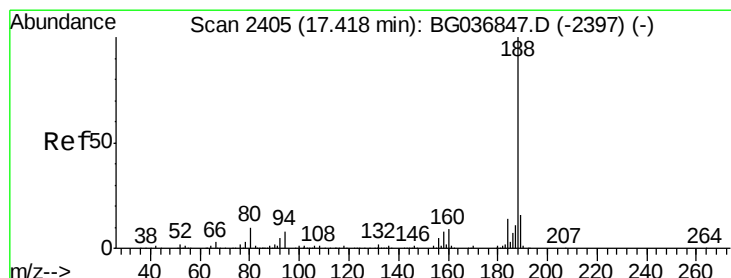
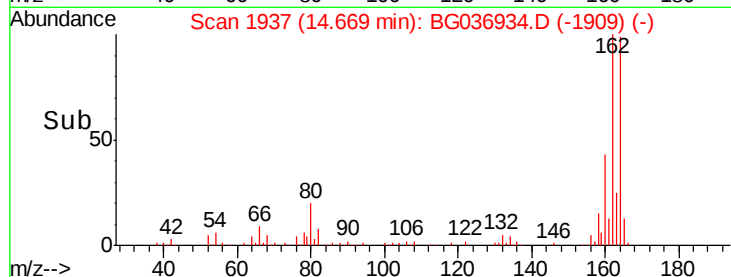
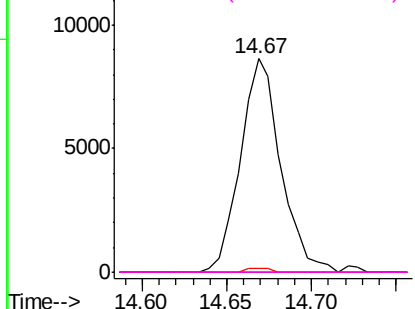
#56
 2,4-Dinitrotoluene
 Concen: 5.114 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Instrument :
 BNA_G
 ClientSampleId :
 PB113130BL

Tgt Ion:	165	Resp:	14365
Ion Ratio	Lower	Upper	
165	100		
63	0.0	40.1	60.1#
89	1.9	63.7	95.5#
182	0.0	2.5	3.7#

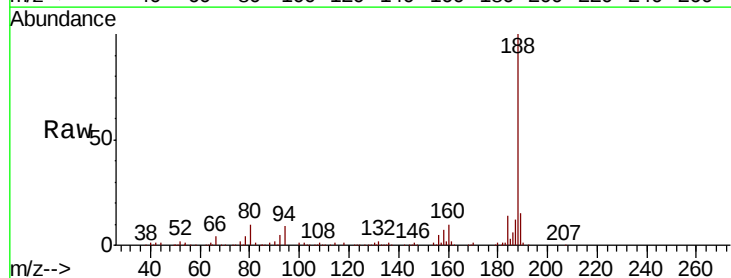


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

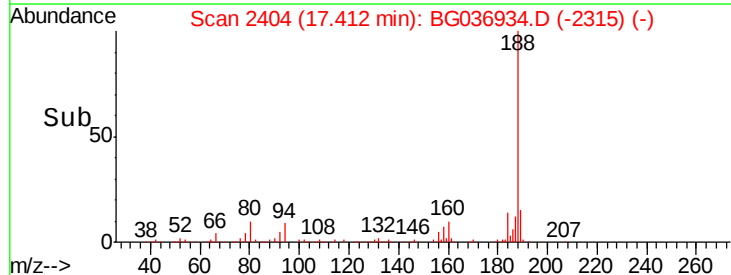
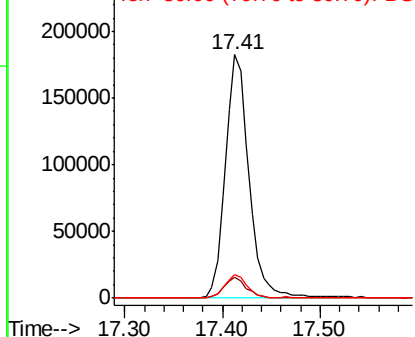


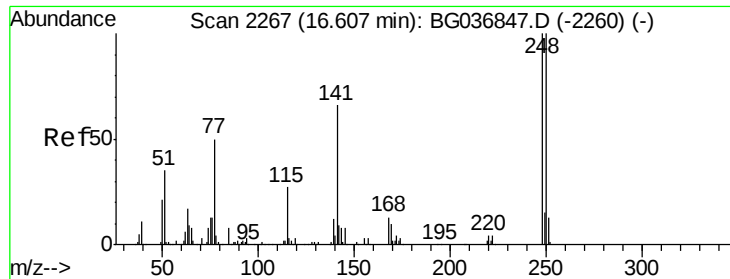
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Tgt Ion:	188	Resp:	307002
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.7	10.1
80	9.8	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

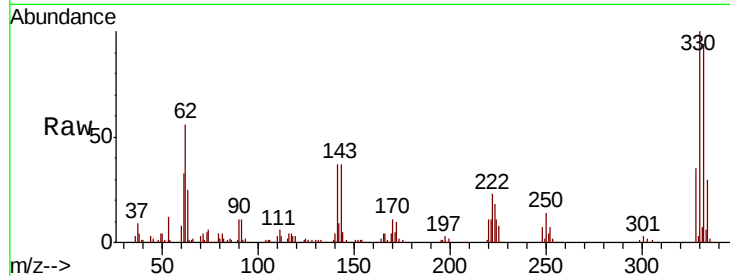




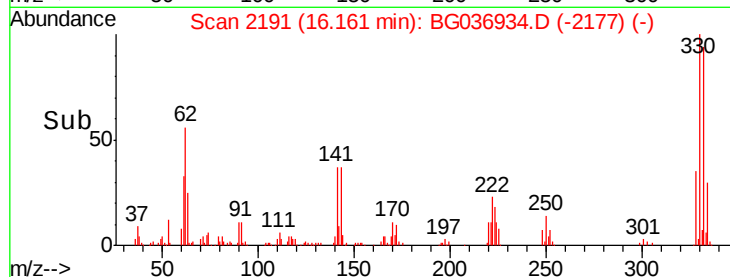
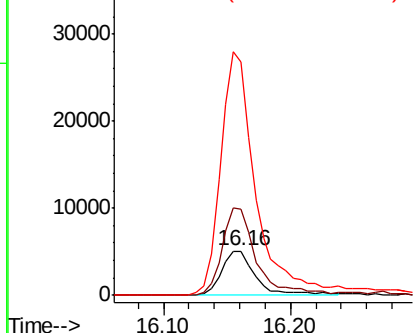
#66
 4-Bromophenyl-phenylether
 Concen: 2.740 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.45 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Instrument :
 BNA_G
 ClientSampleId :
 PB113130BL

Tgt Ion:248 Resp: 9567
 Ion Ratio Lower Upper
 248 100
 250 193.9 78.1 117.1#
 141 528.0 53.7 80.5#

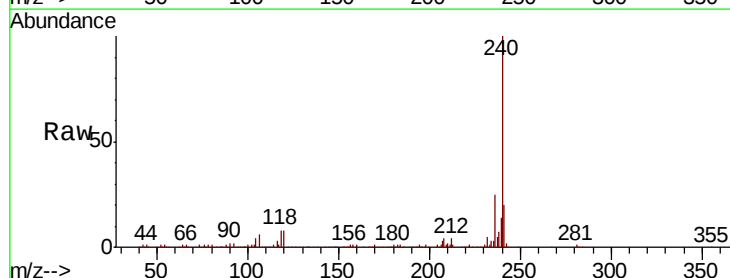


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

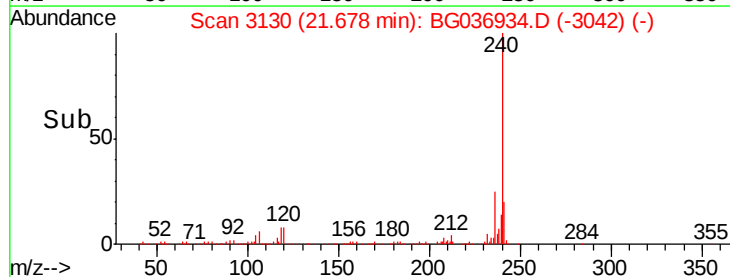
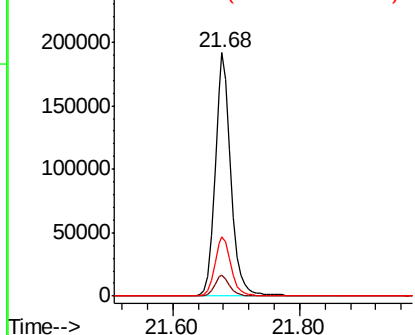


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036934.D
 Acq: 25 Sep 2018 1:38

Tgt Ion:240 Resp: 336231
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.9 10.3
 236 24.5 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

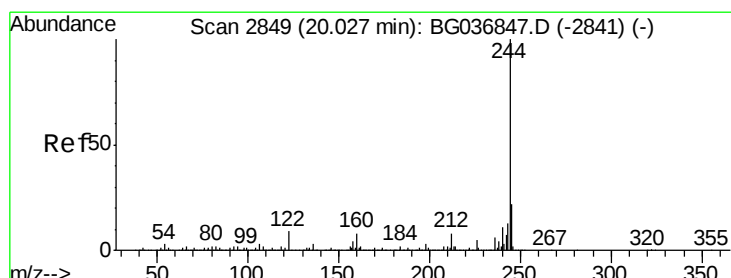
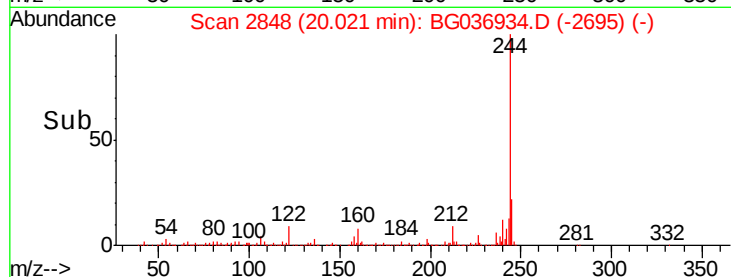
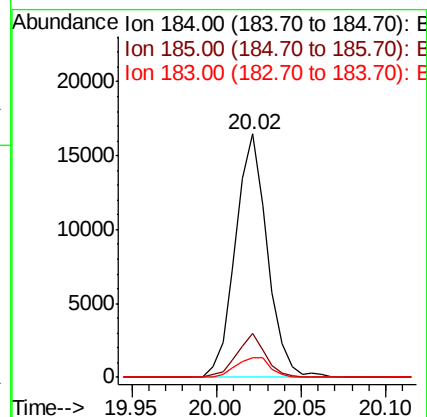
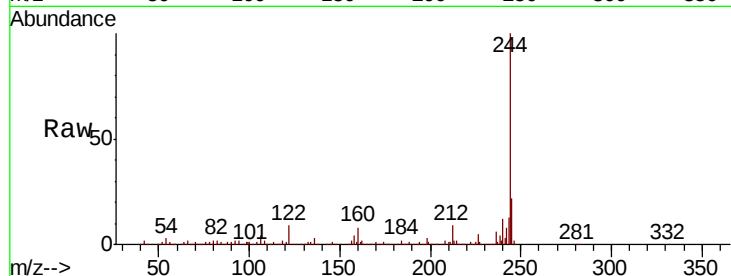




#76
Benzidine
Concen: 2.131 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036934.D
Acq: 25 Sep 2018 1:38

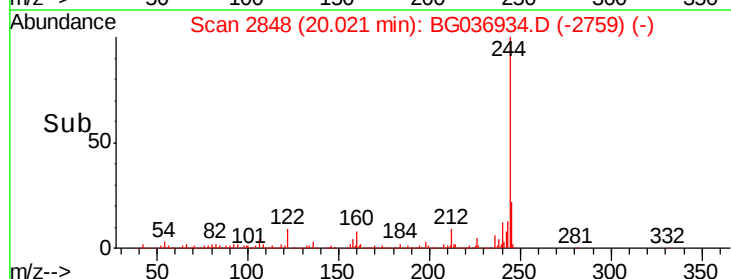
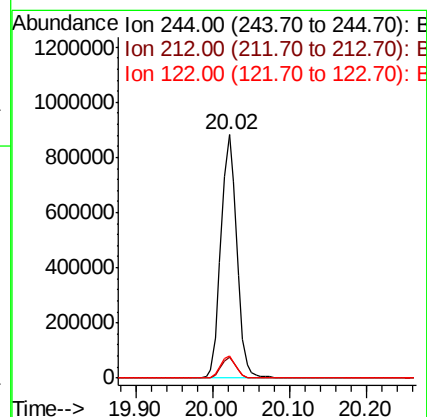
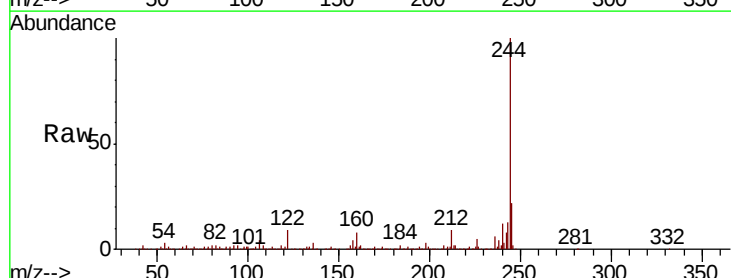
Instrument :
BNA_G
ClientSampleId :
PB113130BL

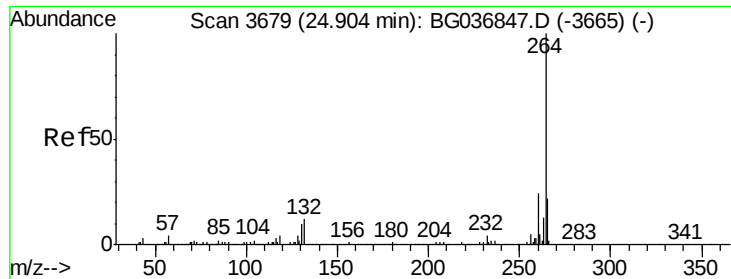
Tgt Ion:184 Resp: 21664
Ion Ratio Lower Upper
184 100
185 17.9 12.6 18.8
183 8.3 10.9 16.3#



#78
Terphenyl-d14
Concen: 98.097 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG036934.D
Acq: 25 Sep 2018 1:38

Tgt Ion:244 Resp: 1254365
Ion Ratio Lower Upper
244 100
212 8.6 7.0 10.6
122 9.1 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036934.D
Acq: 25 Sep 2018 1:38

Instrument :
BNA_G
ClientSampleId :
PB113130BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.5	17.4	26.0

