

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037027.D
 Acq On : 27 Sep 2018 23:08
 Operator : JU/SJ
 Sample : J5097-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Sep 28 04:24:11 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

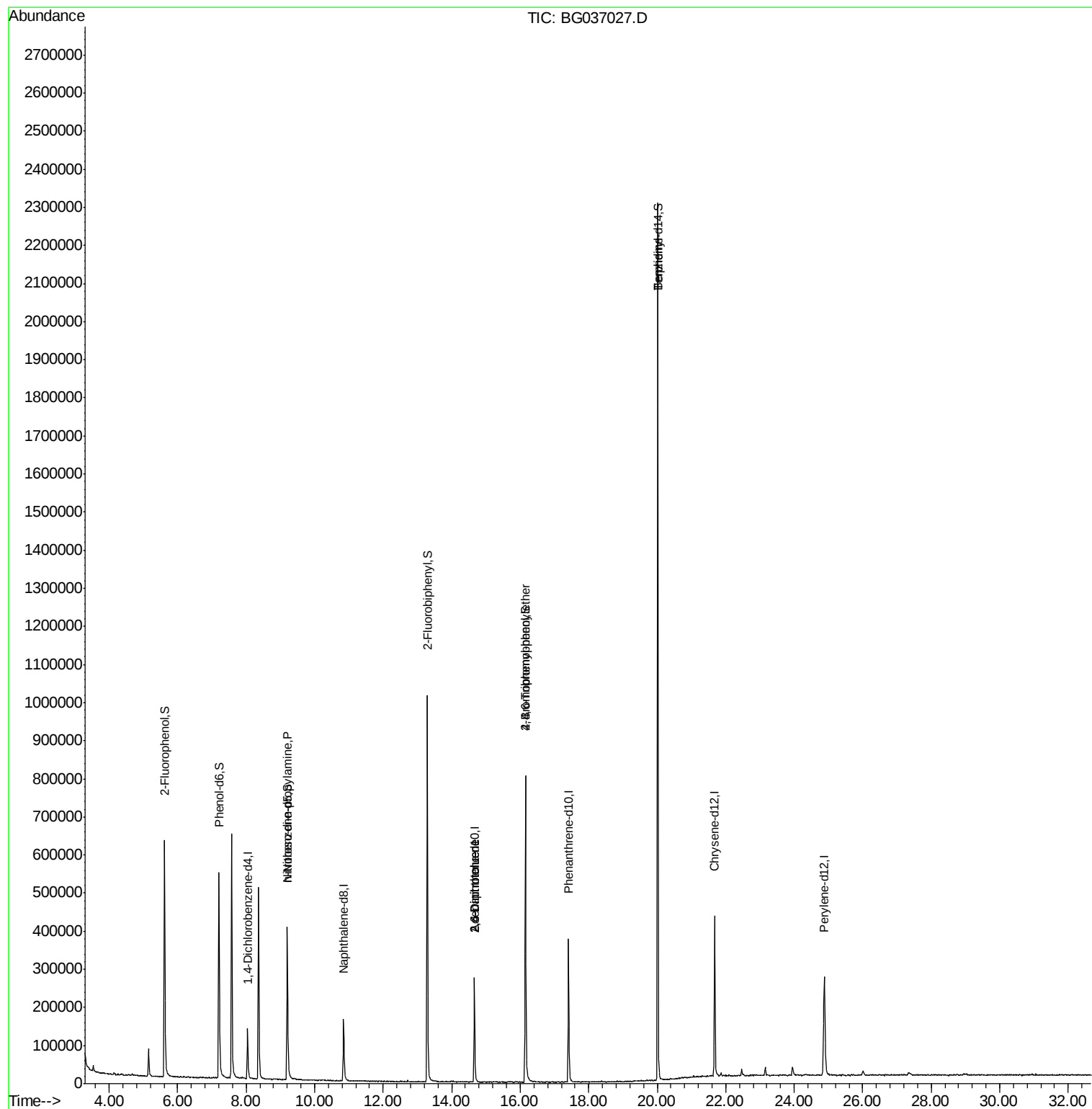
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42105	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	162532	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	101498	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	267256	20.00	ng	0.00
75) Chrysene-d12	21.68	240	290354	20.00	ng	0.00
86) Perylene-d12	24.88	264	285984	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	288249	131.29	ng	0.00
7) Phenol-d6	7.20	99	352516	103.78	ng	0.00
23) Nitrobenzene-d5	9.20	82	285941	94.21	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	167406	137.86	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	592071	86.88	ng	0.00
78) Terphenyl-d14	20.02	244	1103746	99.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38248	13.535	ng	# 69
50) 2,6-Dinitrotoluene	14.66	165	12906	7.240	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	12906	5.189	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	11641	3.829	ng	# 1
76) Benzidine	20.02	184	19427	2.213	ng	# 94

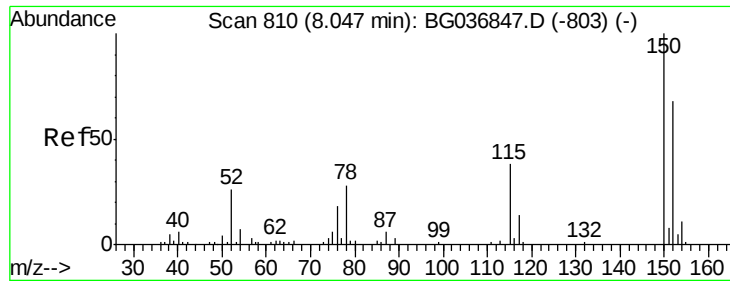
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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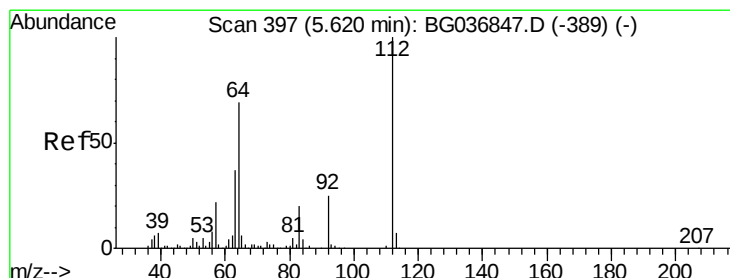
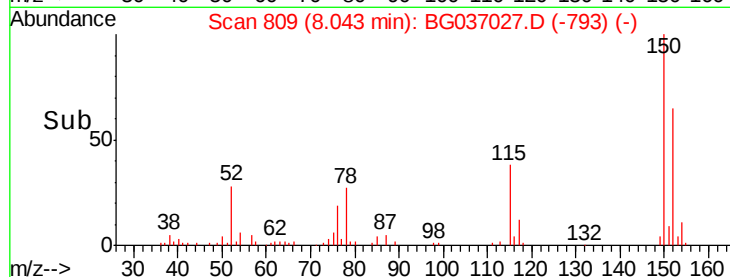
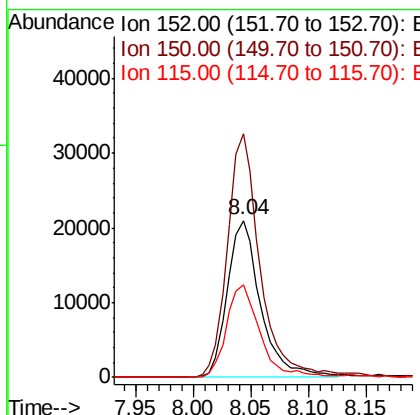
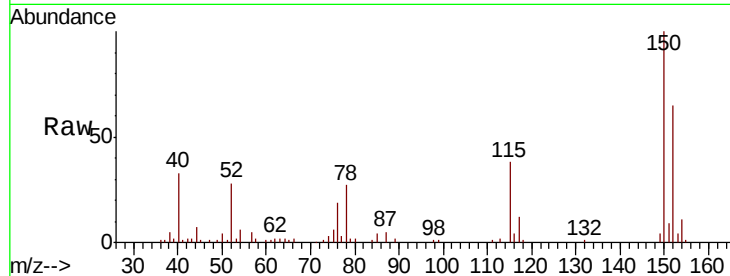




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

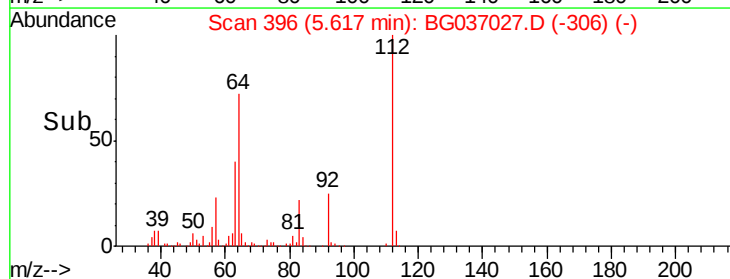
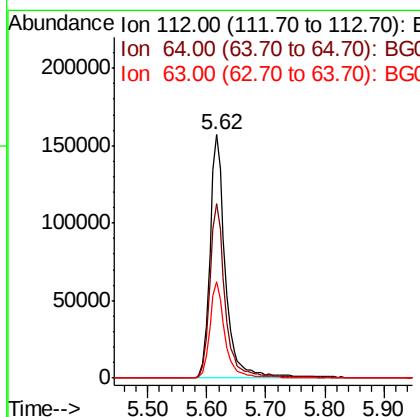
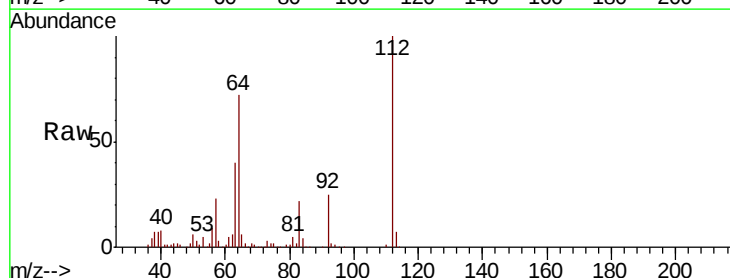
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:152 Resp: 42105
 Ion Ratio Lower Upper
 152 100
 150 155.0 119.5 179.3
 115 59.2 44.5 66.7



#5
 2-Fluorophenol
 Concen: 131.291 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

Tgt Ion:112 Resp: 288249
 Ion Ratio Lower Upper
 112 100
 64 71.6 57.2 85.8
 63 39.6 30.8 46.2





#7

Phenol-d6

Concen: 103.778 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037027.D

Acq: 27 Sep 2018 23:08

Instrument :

BNA_G

ClientSampleId :

TP-1

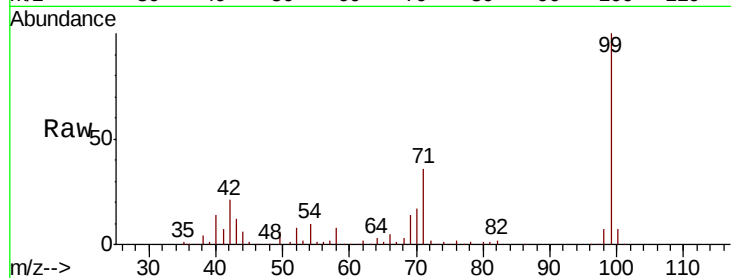
Tgt Ion: 99 Resp: 352516

Ion Ratio Lower Upper

99 100

42 21.4 16.5 24.7

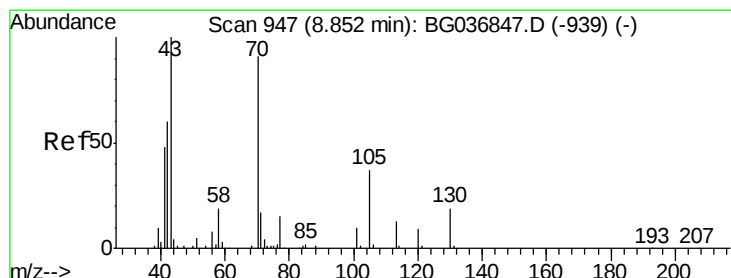
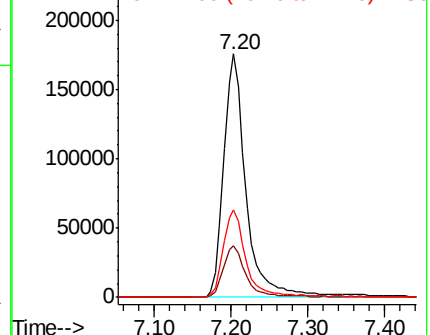
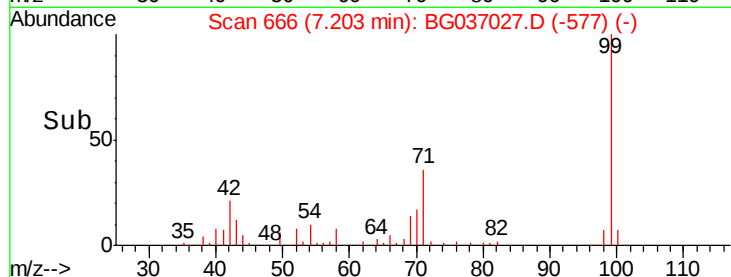
71 35.7 29.4 44.2



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: 13.535 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037027.D

Acq: 27 Sep 2018 23:08

Tgt Ion: 70 Resp: 38248

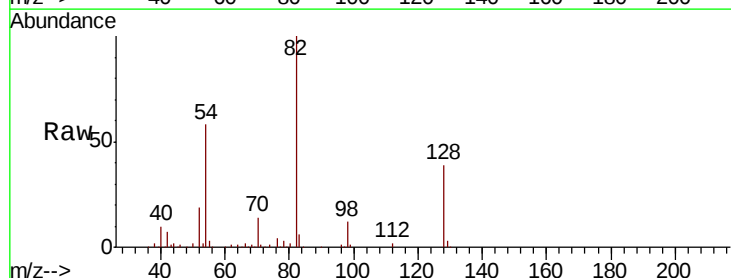
Ion Ratio Lower Upper

70 100

42 46.8 56.2 84.4#

101 0.0 7.8 11.6#

130 1.9 16.2 24.2#

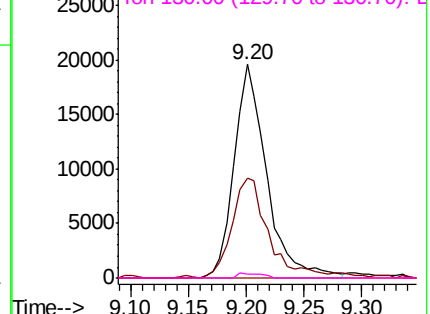
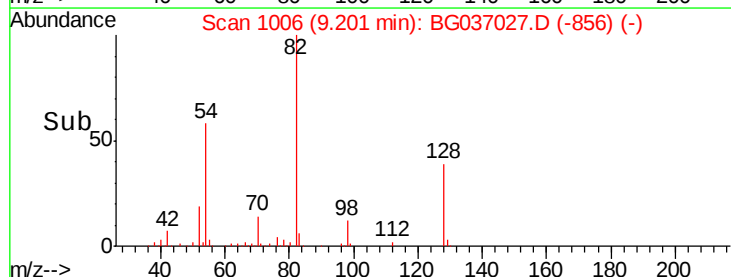


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

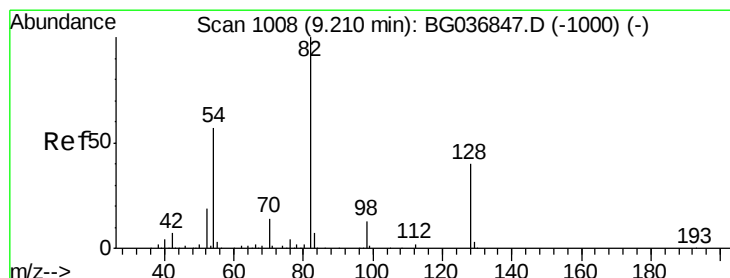
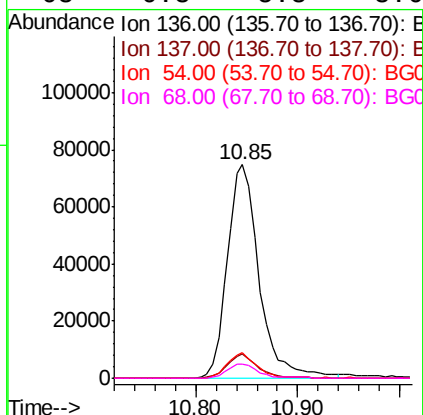
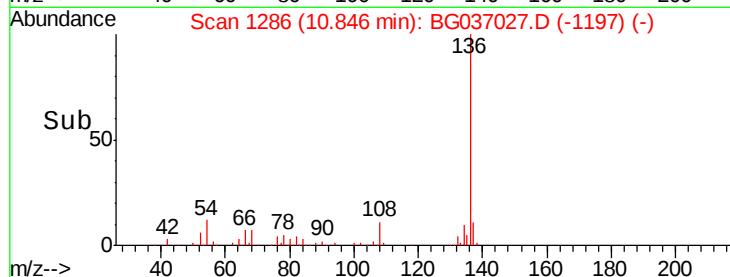
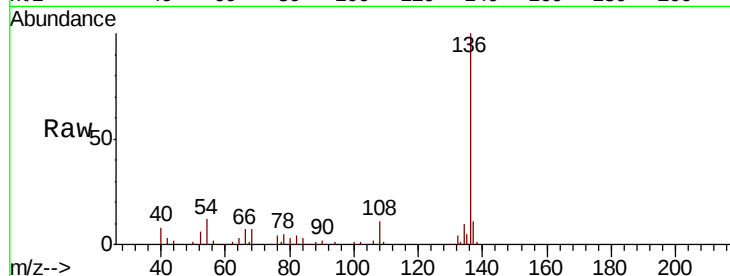




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037027.D
Acq: 27 Sep 2018 23:08

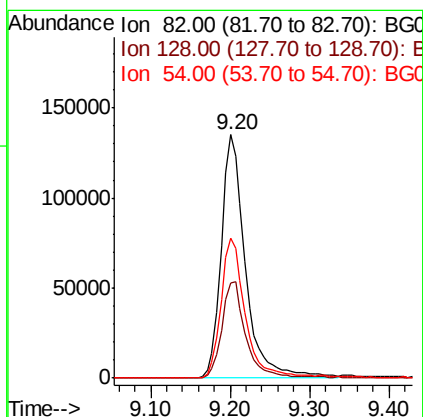
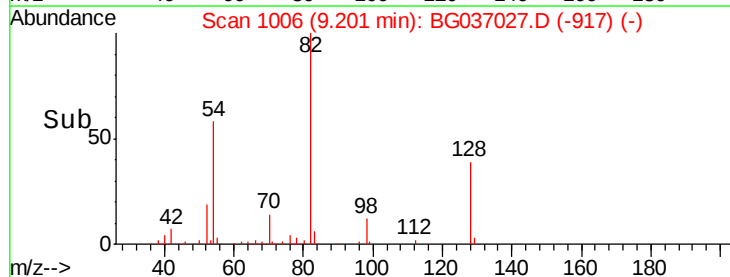
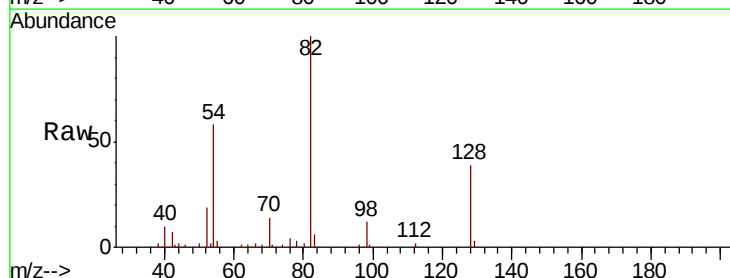
Instrument :
BNA_G
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TP-1

Tgt Ion:	136	Resp:	162532
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	11.8	9.2	13.8
68	6.8	5.8	8.6



#23
Nitrobenzene-d5
Concen: 94.212 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037027.D
Acq: 27 Sep 2018 23:08

Tgt Ion:	82	Resp:	285941
Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.3	49.9
54	57.7	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: BG037027.D

Acq: 27 Sep 2018 23:08

Instrument :

BNA_G

ClientSampleId :

TP-1

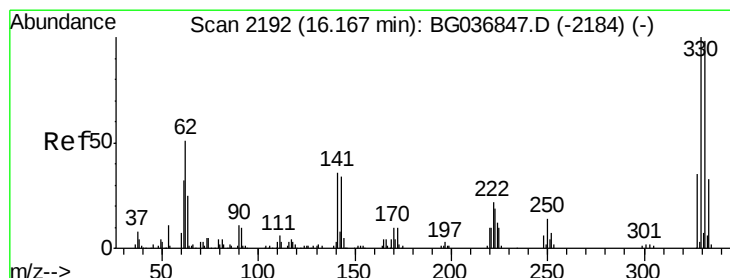
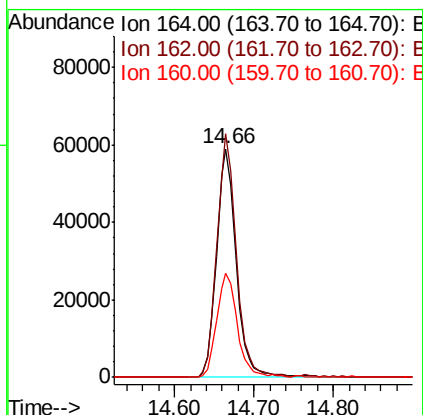
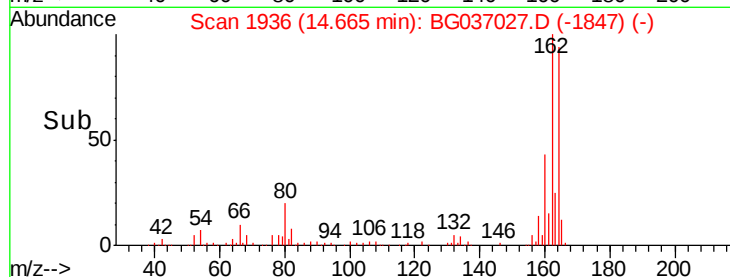
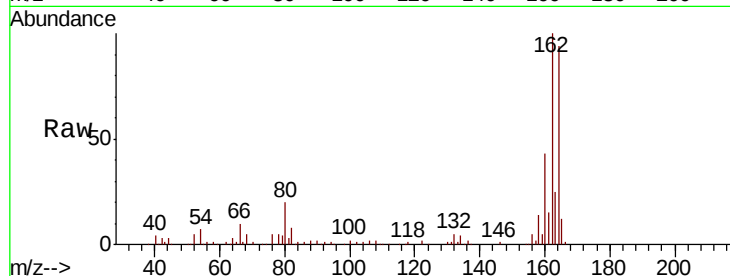
Tgt Ion:164 Resp: 101498

Ion Ratio Lower Upper

164 100

162 106.4 80.7 121.1

160 45.3 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 137.855 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037027.D

Acq: 27 Sep 2018 23:08

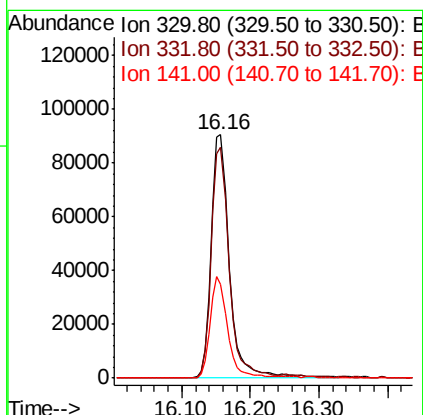
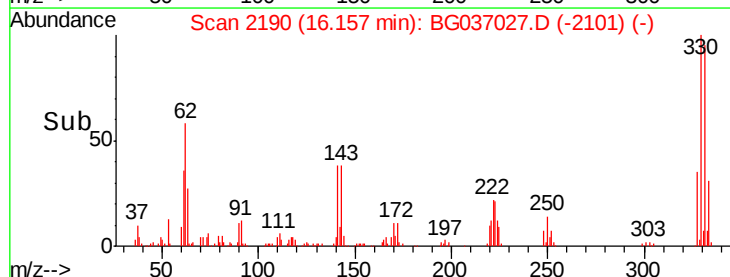
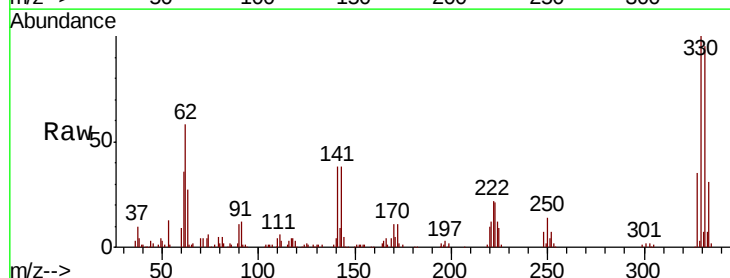
Tgt Ion:330 Resp: 167406

Ion Ratio Lower Upper

330 100

332 92.8 75.4 113.2

141 39.4 30.7 46.1

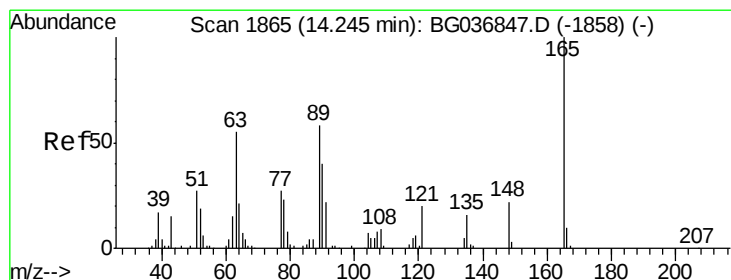
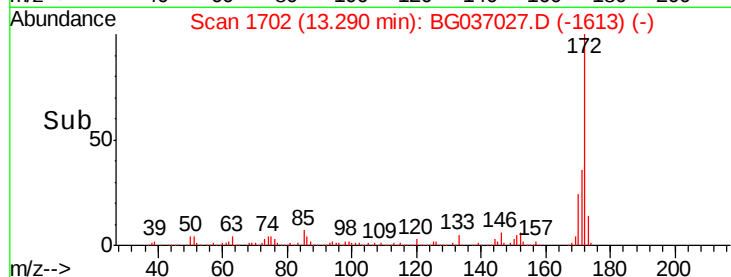
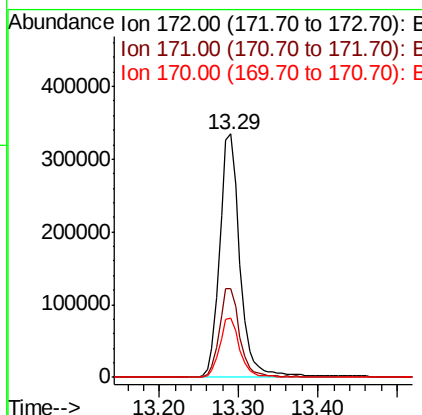
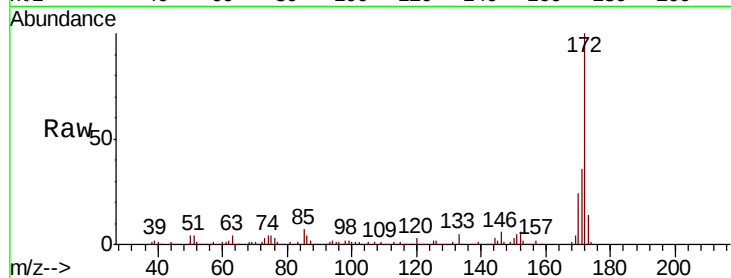




#44
 2-Fluorobiphenyl
 Concen: 86.881 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

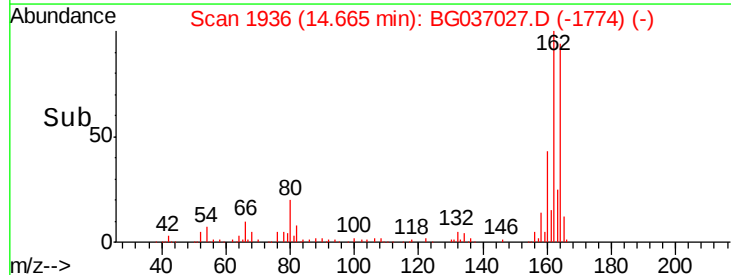
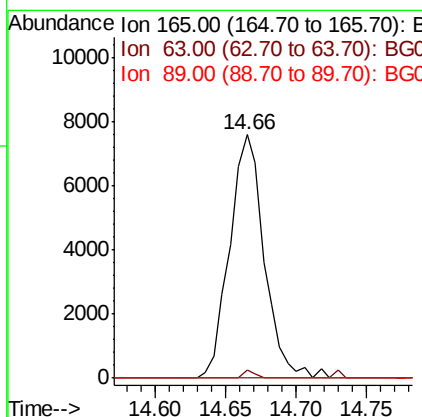
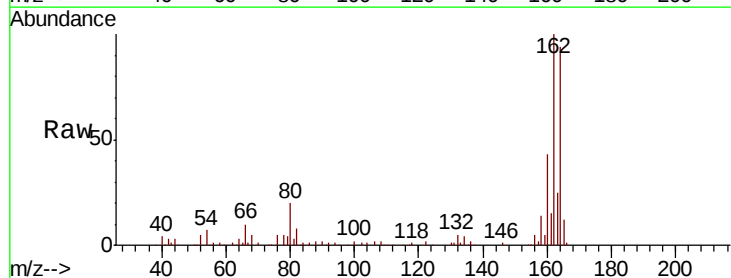
Instrument :
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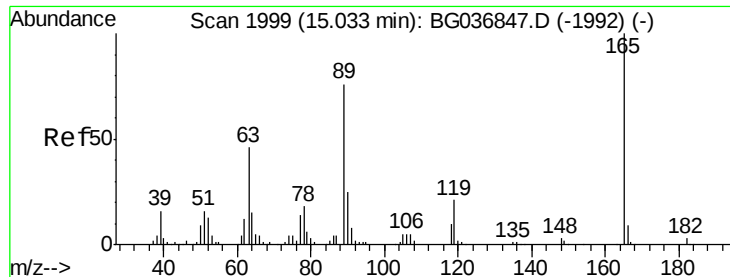
Tgt Ion:172 Resp: 592071
 Ion Ratio Lower Upper
 172 100
 171 36.3 31.3 46.9
 170 24.1 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.240 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

Tgt Ion:165 Resp: 12906
 Ion Ratio Lower Upper
 165 100
 63 3.2 50.1 75.1#
 89 0.0 47.8 71.6#

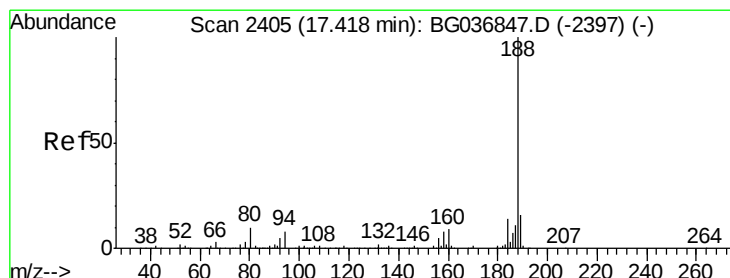
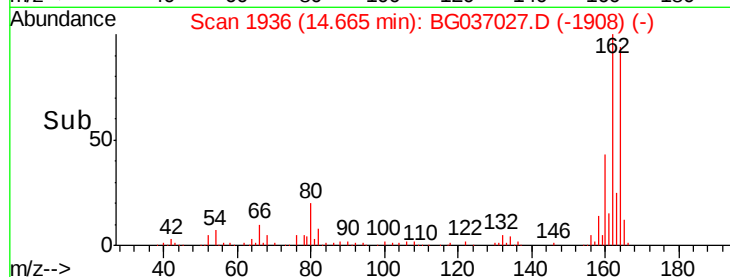
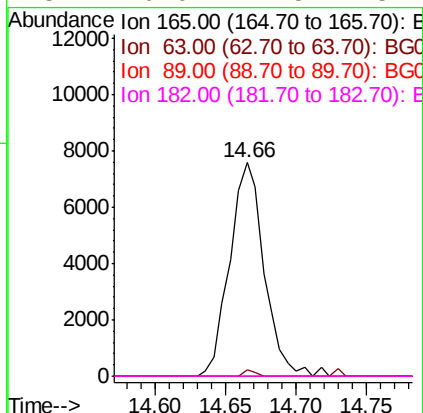
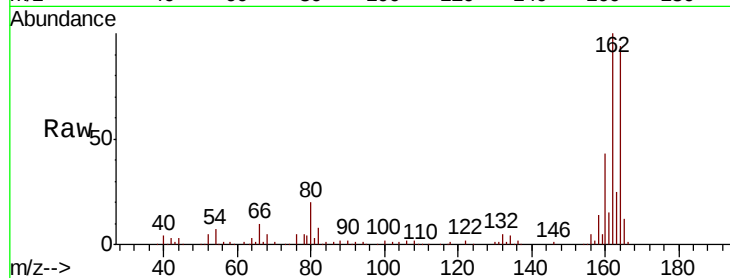




#56
 2,4-Dinitrotoluene
 Concen: 5.189 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

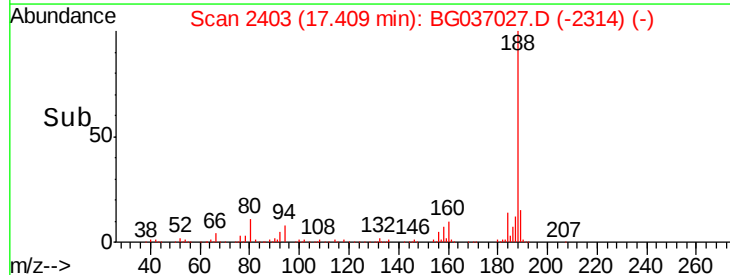
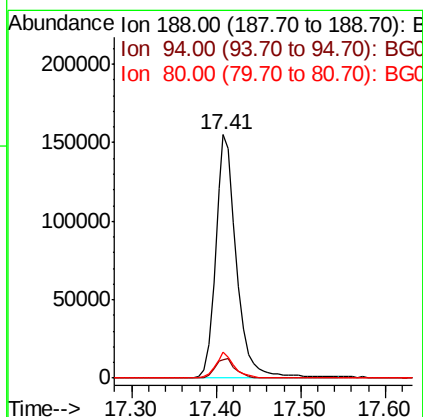
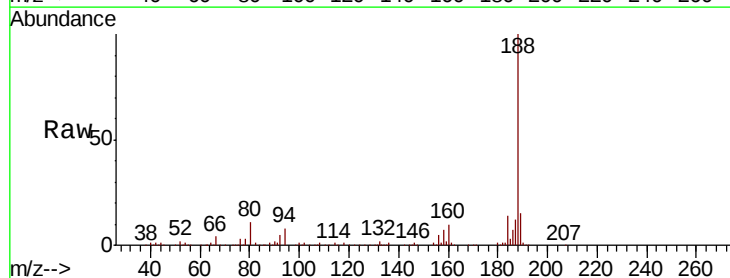
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.2	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# 2403
 Delta R.T. -0.01 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	10.7	8.1	12.1

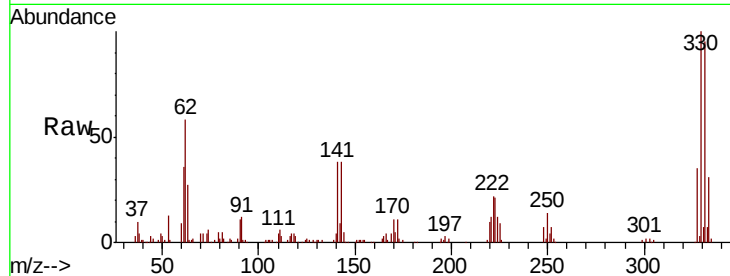




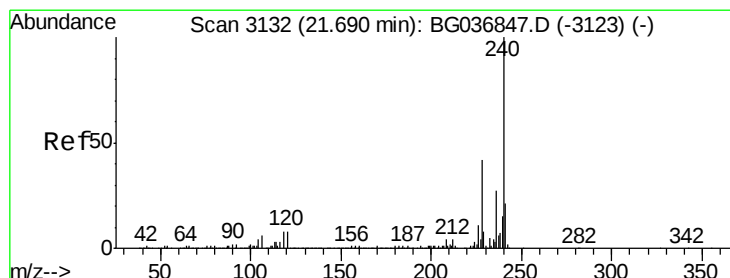
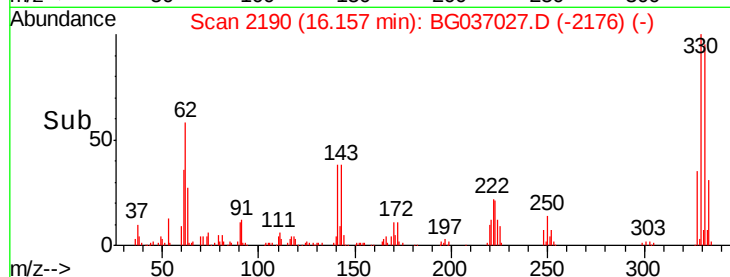
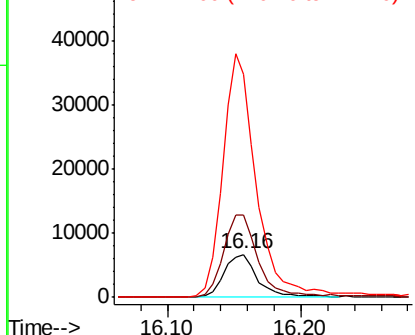
#66
 4-Bromophenyl-phenylether
 Concen: 3.829 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:248 Resp: 11641
 Ion Ratio Lower Upper
 248 100
 250 192.7 78.1 117.1#
 141 519.9 53.7 80.5#

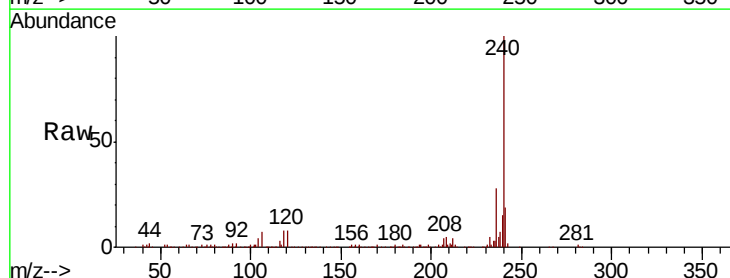


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

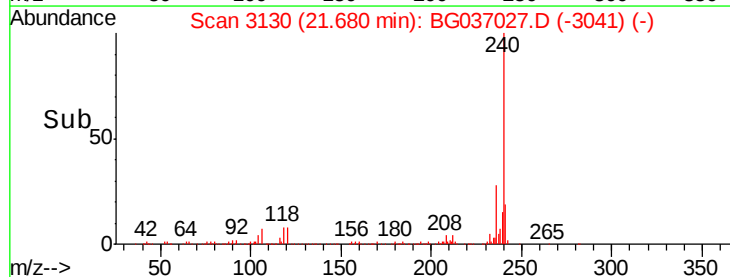
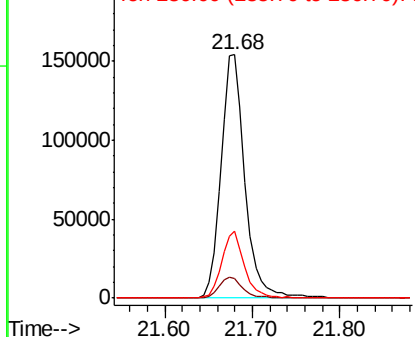


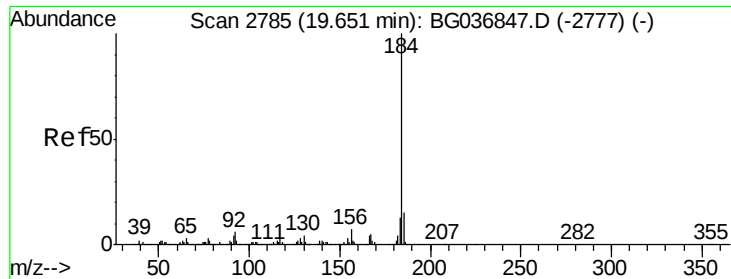
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG037027.D
 Acq: 27 Sep 2018 23:08

Tgt Ion:240 Resp: 290354
 Ion Ratio Lower Upper
 240 100
 120 7.9 6.9 10.3
 236 27.5 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

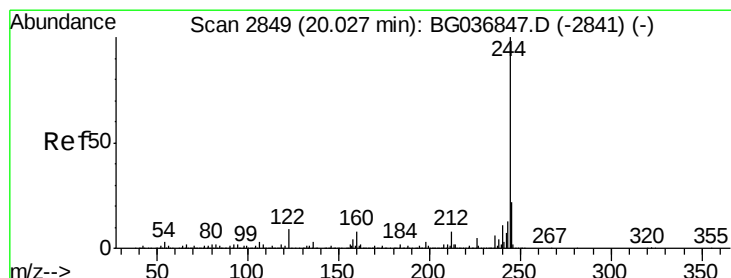
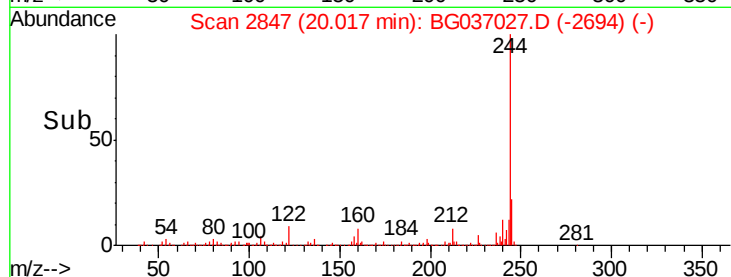
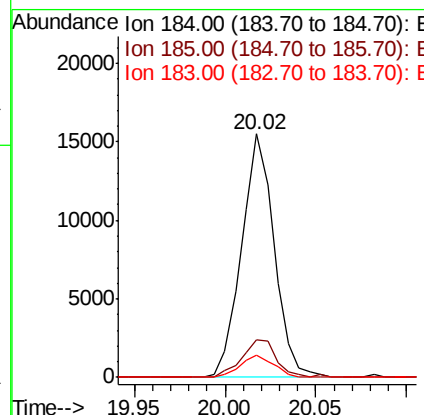
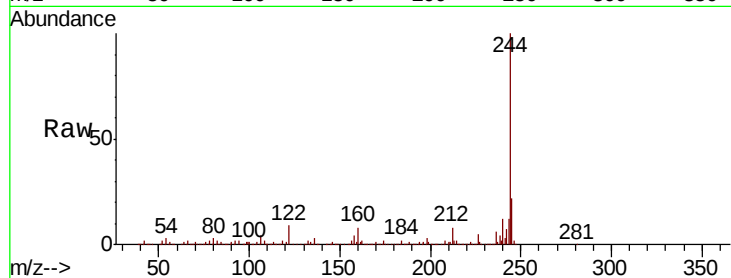




#76
Benzidine
Concen: 2.213 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG037027.D
Acq: 27 Sep 2018 23:08

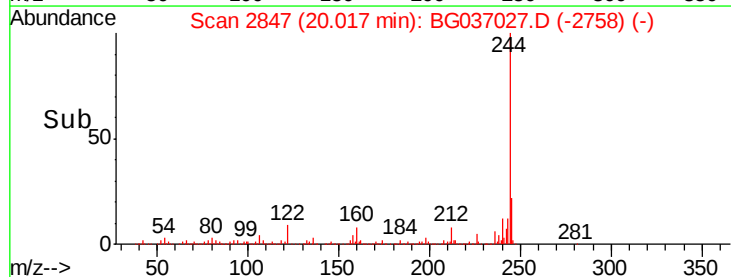
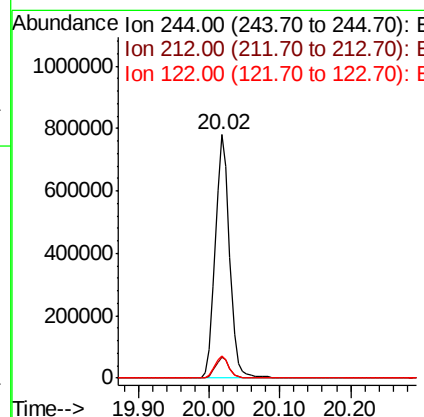
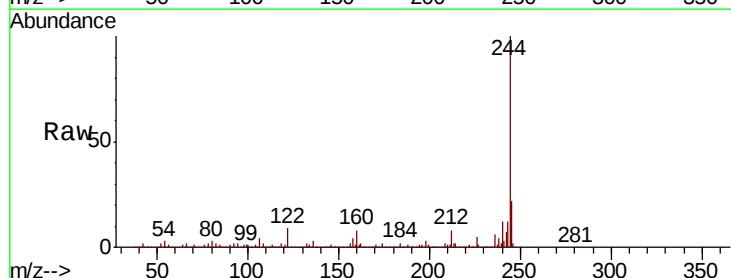
Instrument :
BNA_G
ClientSampleId :
TP-1

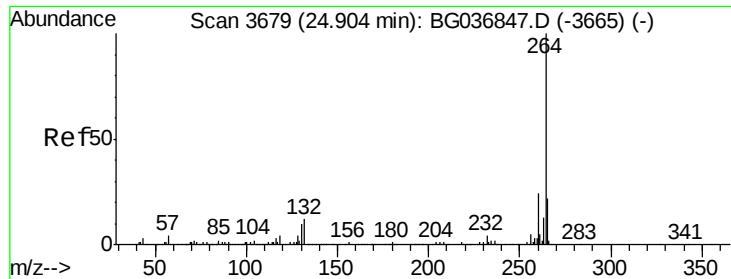
Tgt Ion:184 Resp: 19427
Ion Ratio Lower Upper
184 100
185 15.3 12.6 18.8
183 9.2 10.9 16.3#



#78
Terphenyl-d14
Concen: 99.957 ng
RT: 20.02 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG037027.D
Acq: 27 Sep 2018 23:08

Tgt Ion:244 Resp: 1103746
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.6
122 9.3 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: BG037027.D
Acq: 27 Sep 2018 23:08

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:	264	Resp:	285984
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	21.9	17.4	26.0

