

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092518\
 Data File : BG036967.D
 Acq On : 26 Sep 2018 3:22
 Operator : JU/SJ
 Sample : J4779-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-092418-B

Quant Time: Sep 26 07:26:08 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

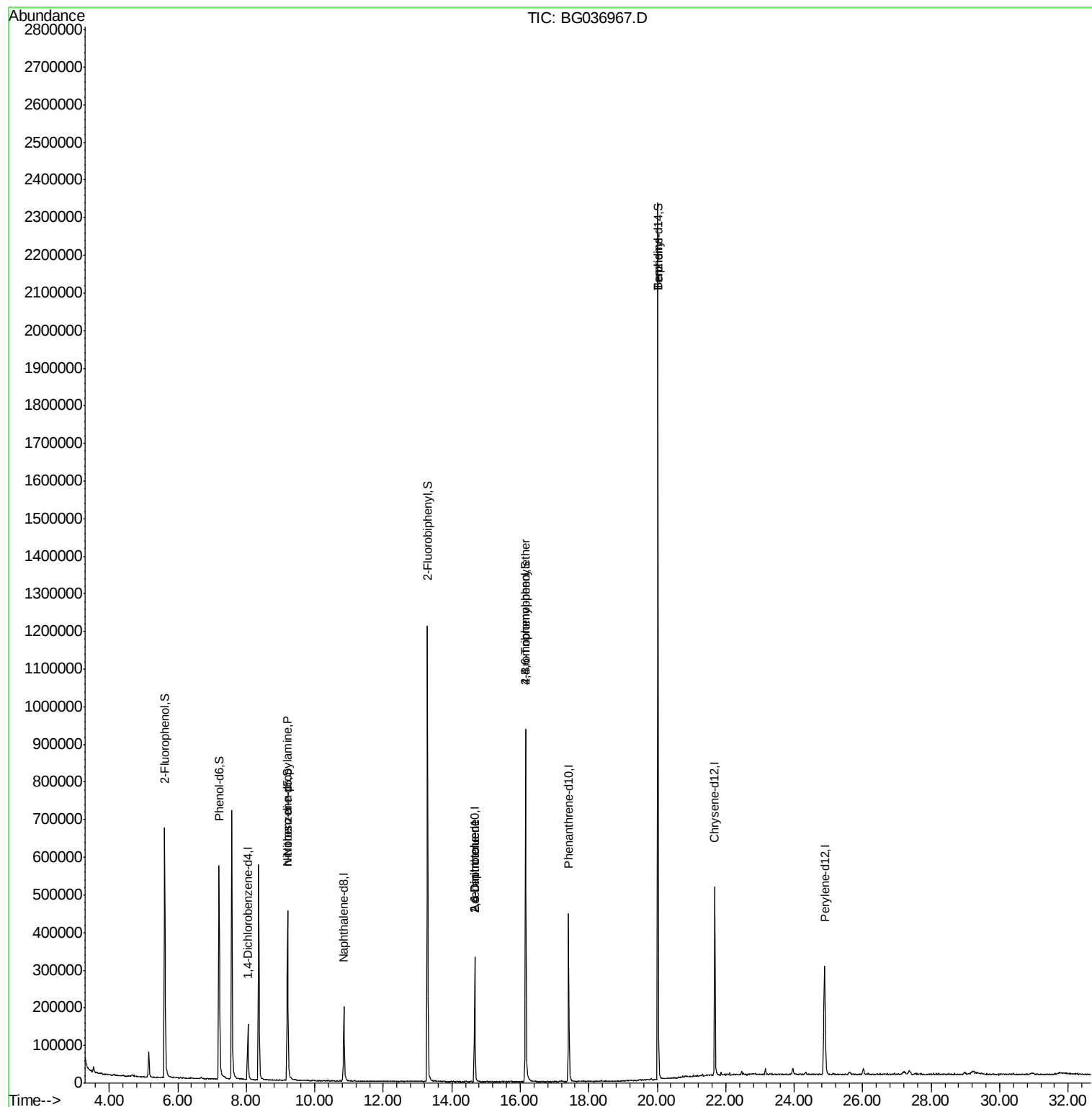
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	47564	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	193604	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	122022	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	312458	20.00	ng	0.00
75) Chrysene-d12	21.68	240	323246	20.00	ng	-0.01
86) Perylene-d12	24.89	264	319629	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	308945	124.57	ng	0.00
7) Phenol-d6	7.21	99	376893	98.22	ng	0.00
23) Nitrobenzene-d5	9.20	82	321460	88.92	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	192056	131.55	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	688856	84.08	ng	0.00
78) Terphenyl-d14	20.02	244	1156355	94.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	42800	13.408	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	15502	7.234	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	15502	5.184	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	12736	3.584	ng	# 1
76) Benzidine	20.02	184	20249	2.072	ng	# 93

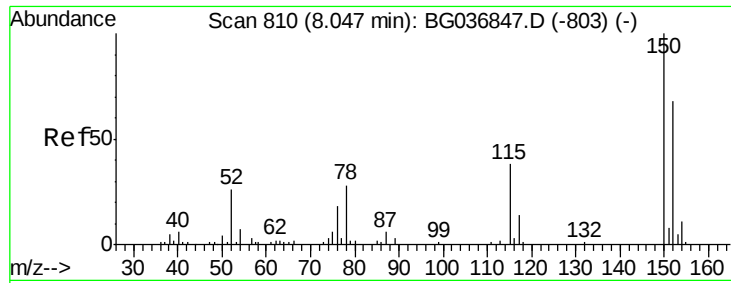
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.00 min

Lab File: BG036967.D

Acq: 26 Sep 2018 3:22

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BNA_G

ClientSampleId :

SU-02-092418-B

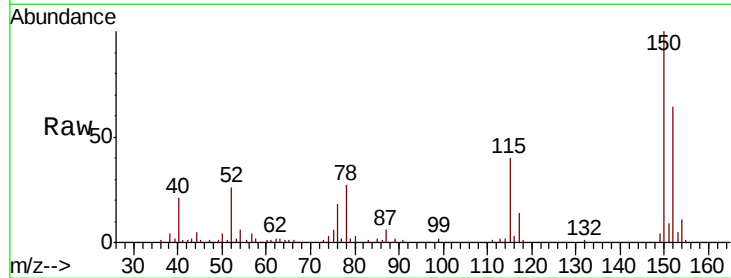
Tgt Ion:152 Resp: 47564

Ion Ratio Lower Upper

152 100

150 155.8 119.5 179.3

115 63.1 44.5 66.7

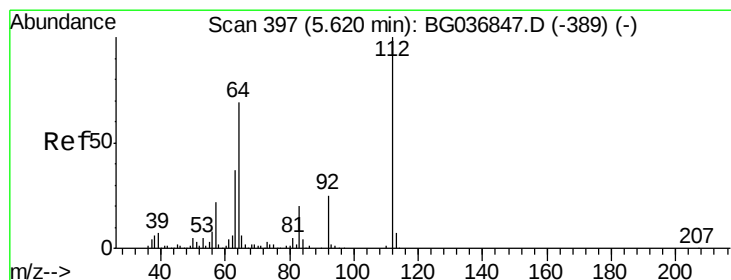
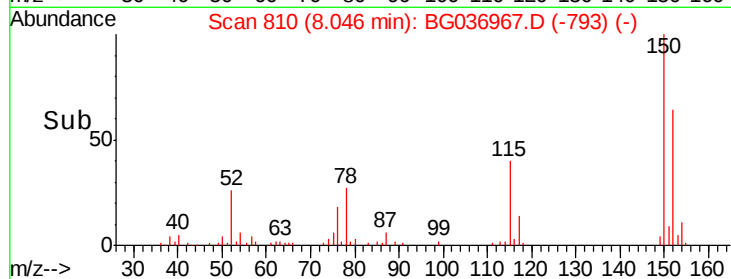
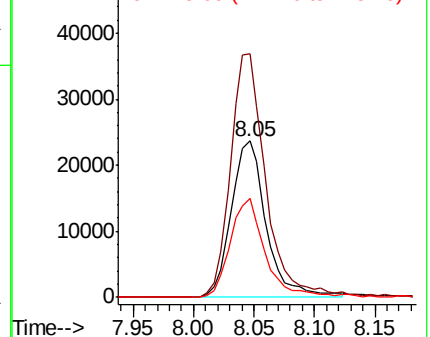


Abundance

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: 124.567 ng

RT: 5.62 min Scan# 397

Delta R.T. -0.00 min

Lab File: BG036967.D

Acq: 26 Sep 2018 3:22

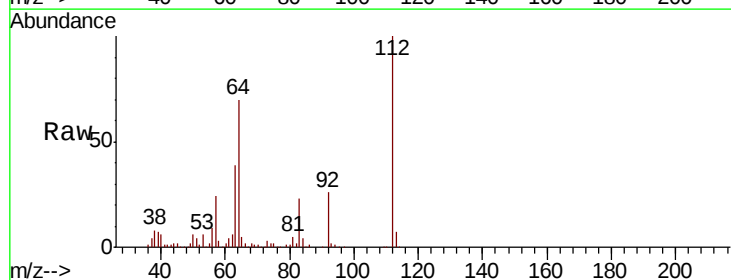
Tgt Ion:112 Resp: 308945

Ion Ratio Lower Upper

112 100

64 70.1 57.2 85.8

63 38.9 30.8 46.2

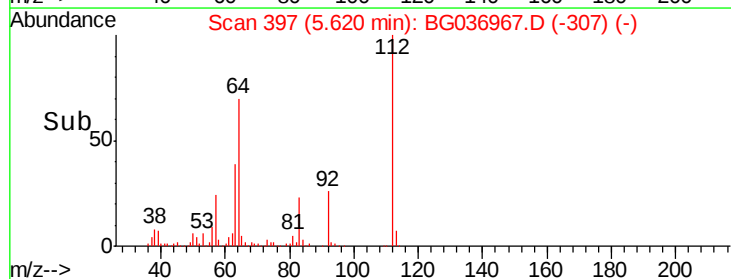
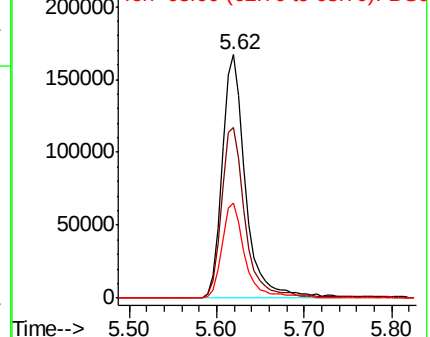


Abundance

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: 98.220 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036967.D

Acq: 26 Sep 2018 3:22

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-B

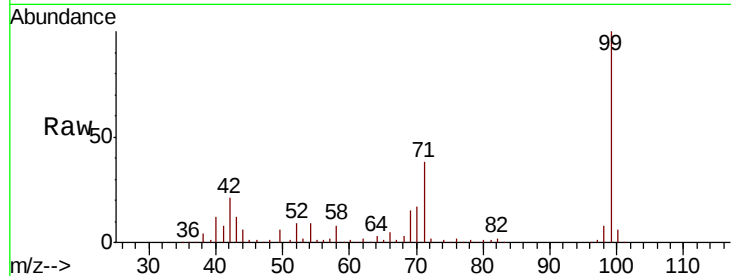
Tgt Ion: 99 Resp: 376893

Ion Ratio Lower Upper

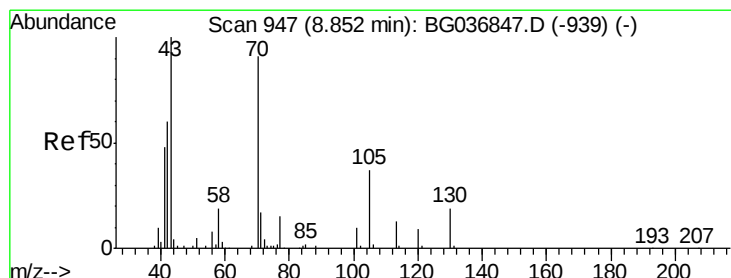
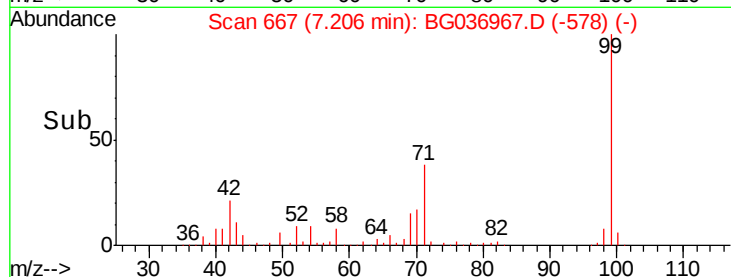
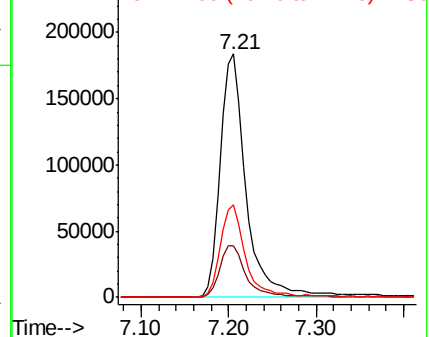
99 100

42 21.2 16.5 24.7

71 37.8 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: 13.408 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036967.D

Acq: 26 Sep 2018 3:22

Tgt Ion: 70 Resp: 42800

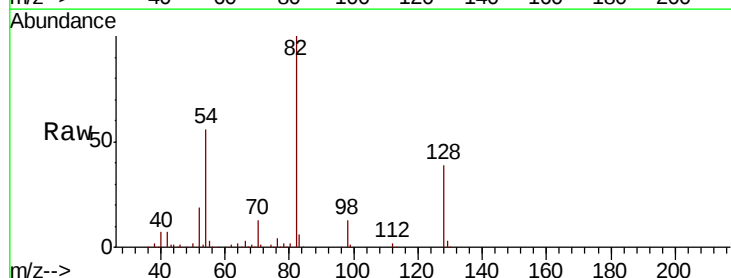
Ion Ratio Lower Upper

70 100

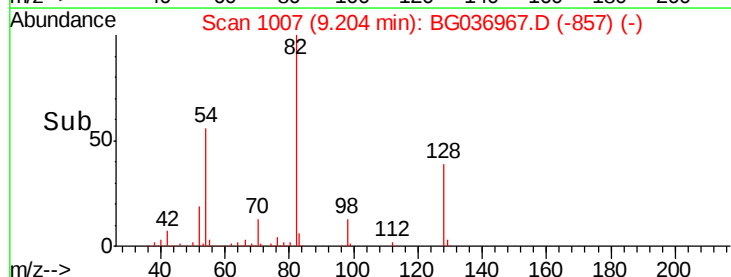
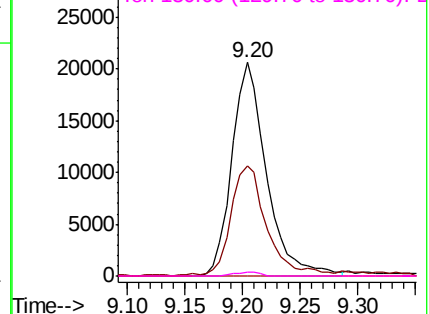
42 51.5 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 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

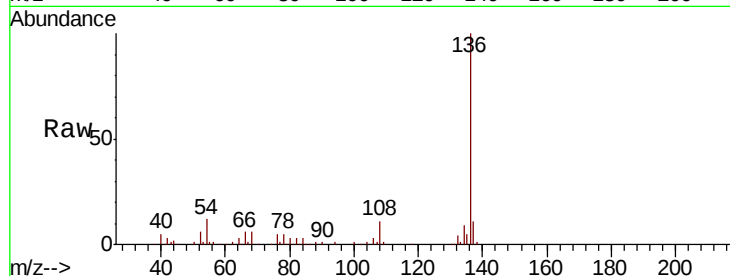




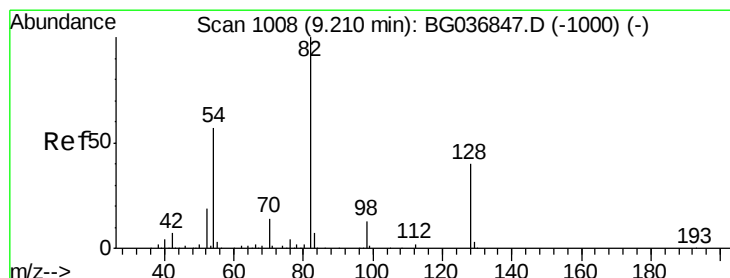
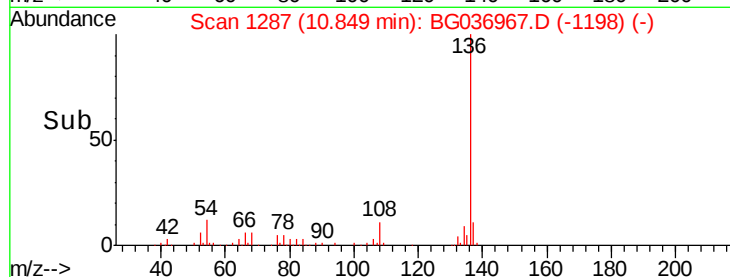
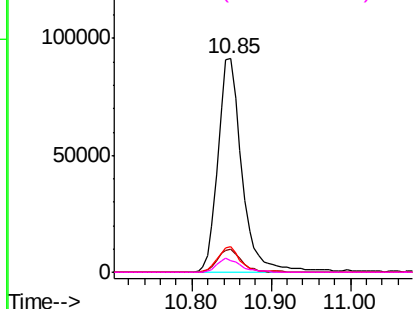
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036967.D
Acq: 26 Sep 2018 3:22

Instrument :
BNA_G
ClientSampleId :
SU-02-092418-B

Tgt Ion:	136	Resp:	193604
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.9	9.2	13.8
68	5.7	5.8	8.6#

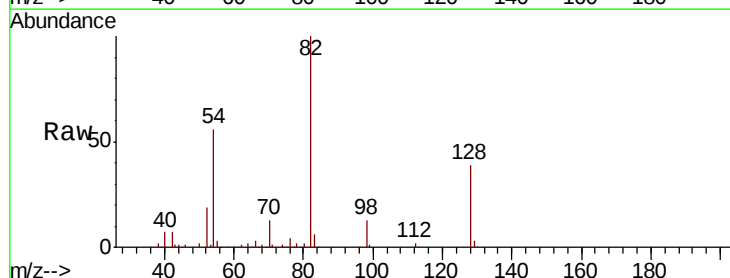


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

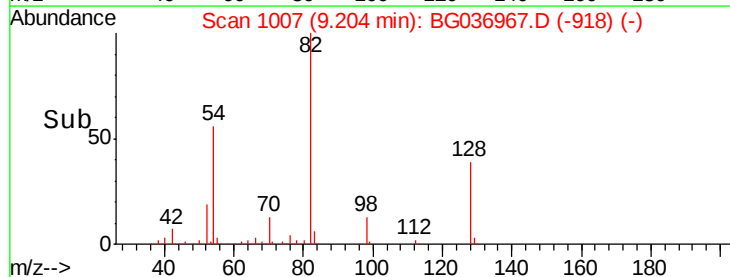
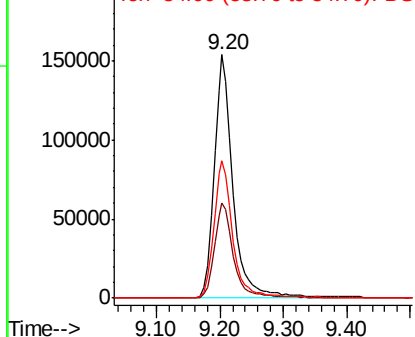


#23
Nitrobenzene-d5
Concen: 88.916 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036967.D
Acq: 26 Sep 2018 3:22

Tgt Ion:	82	Resp:	321460
Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.3	49.9
54	56.2	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: BG036967.D

Acq: 26 Sep 2018 3:22

Instrument :

BNA_G

ClientSampleId :

SU-02-092418-B

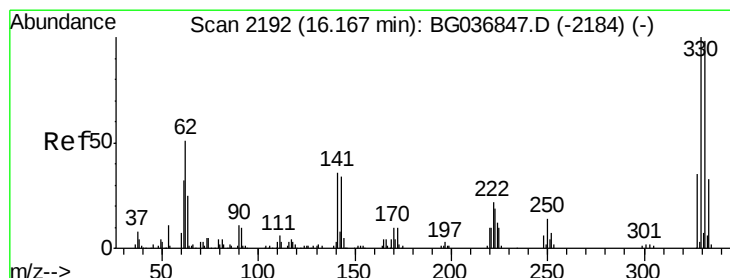
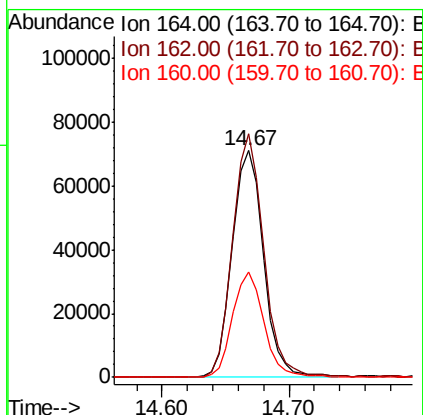
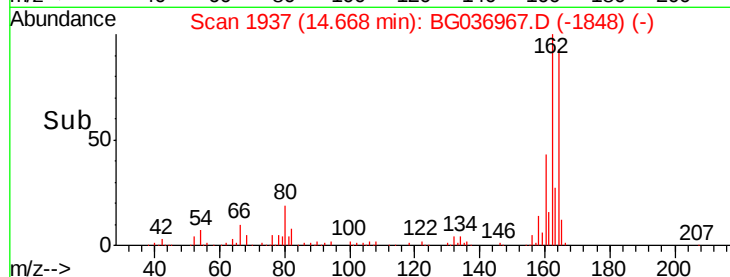
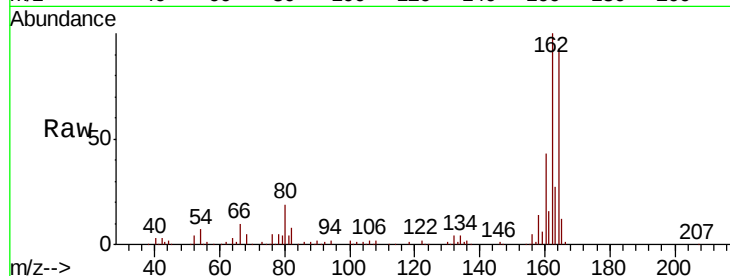
Tgt Ion:164 Resp: 122022

Ion Ratio Lower Upper

164 100

162 107.5 80.7 121.1

160 46.4 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 131.553 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036967.D

Acq: 26 Sep 2018 3:22

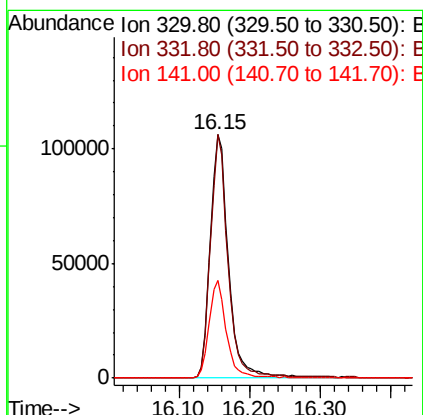
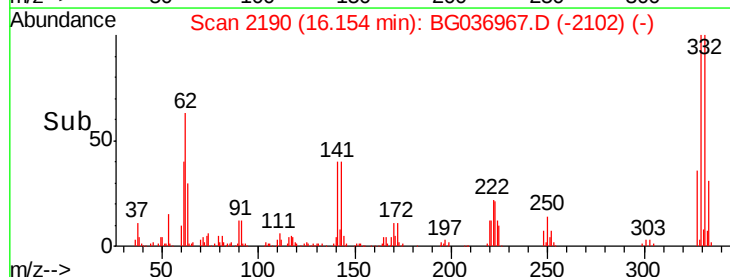
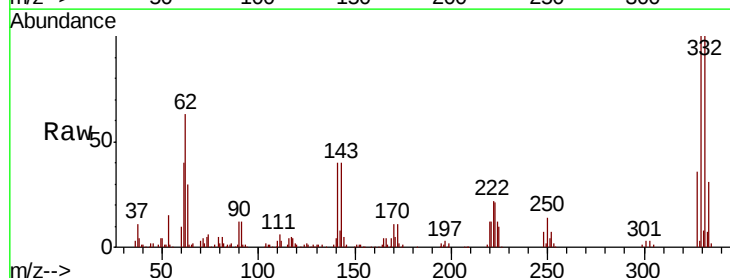
Tgt Ion:330 Resp: 192056

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

141 37.8 30.7 46.1

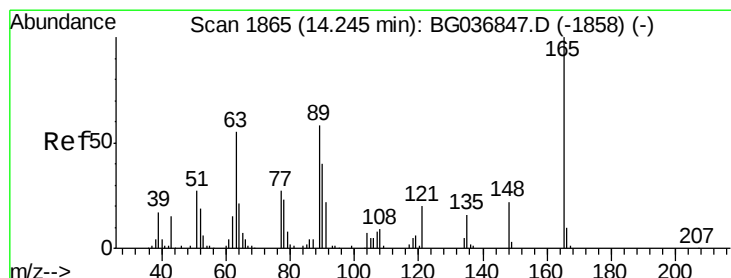
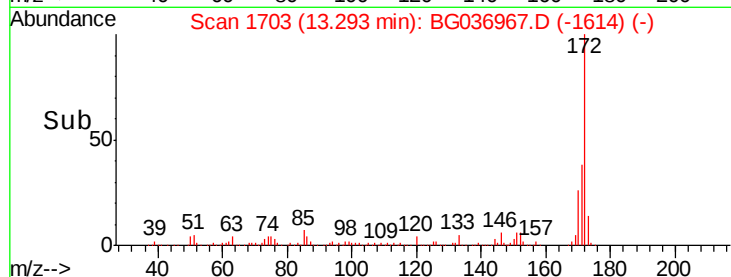
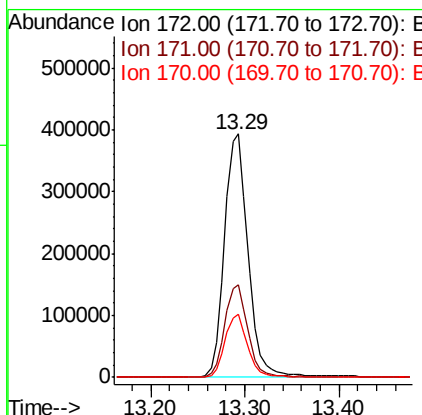
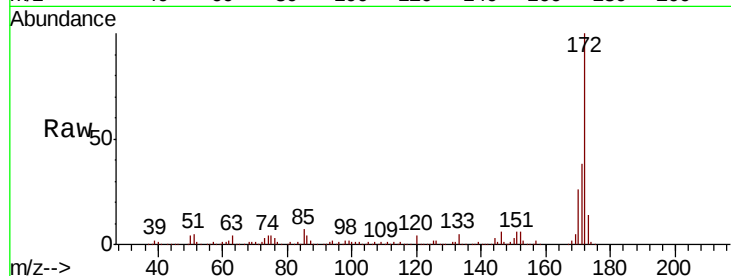




#44
 2-Fluorobiphenyl
 Concen: 84.081 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036967.D
 Acq: 26 Sep 2018 3:22

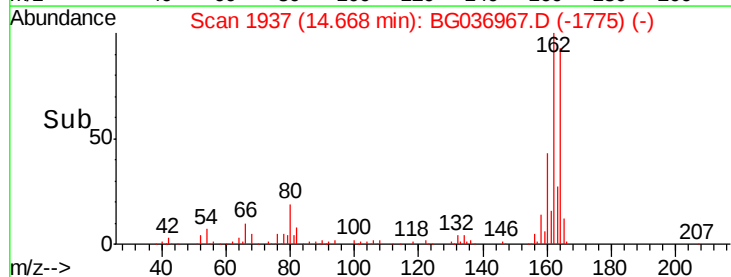
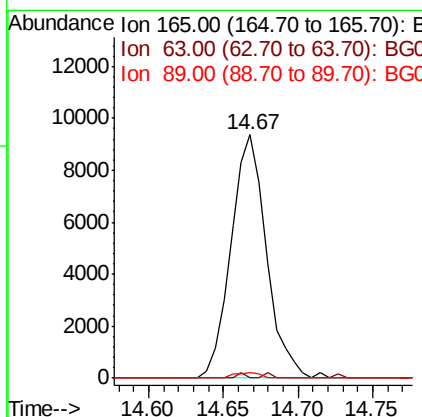
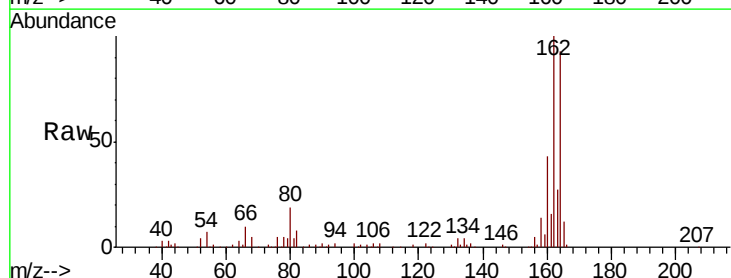
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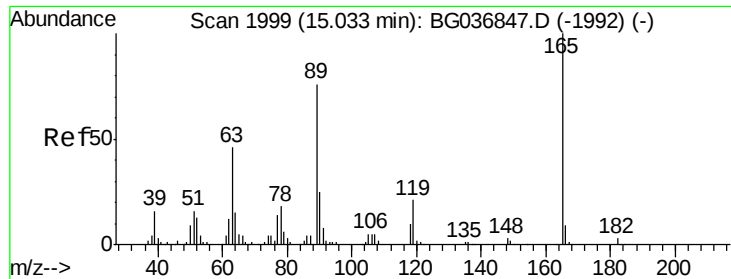
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.3	46.9
170	25.7	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.234 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036967.D
 Acq: 26 Sep 2018 3:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.3	47.8	71.6#

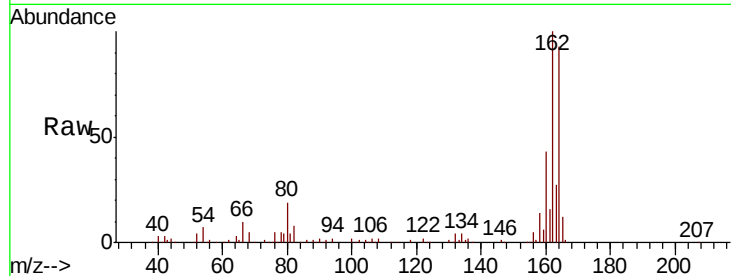




#56
 2,4-Dinitrotoluene
 Concen: 5.184 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036967.D
 Acq: 26 Sep 2018 3:22

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-092418-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.3	63.7	95.5#
182	0.0	2.5	3.7#

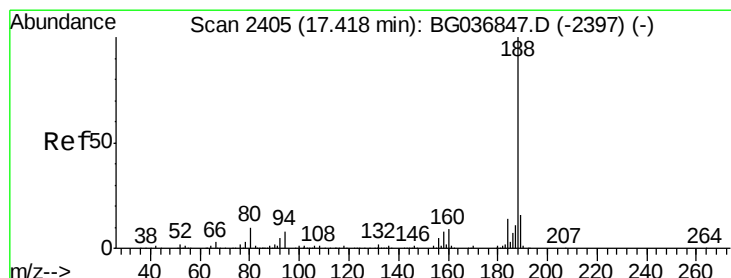
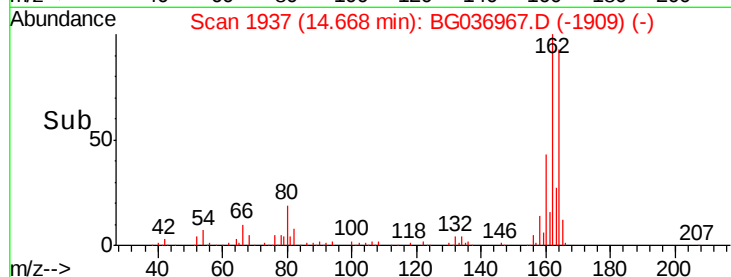
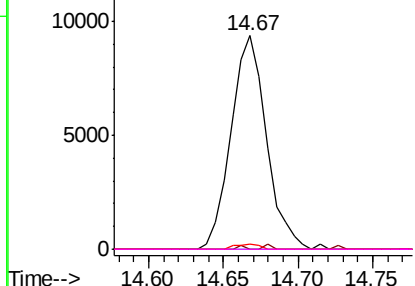


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

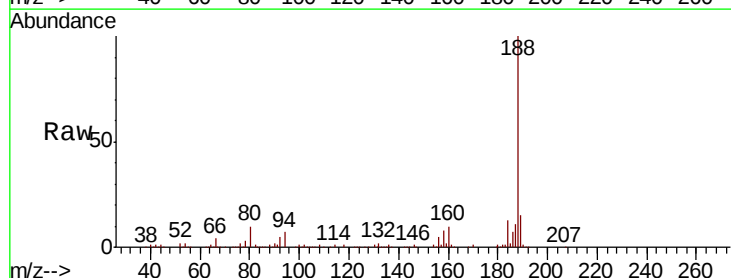
Ion 89.00 (88.70 to 89.70): BGC

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: BG036967.D
 Acq: 26 Sep 2018 3:22

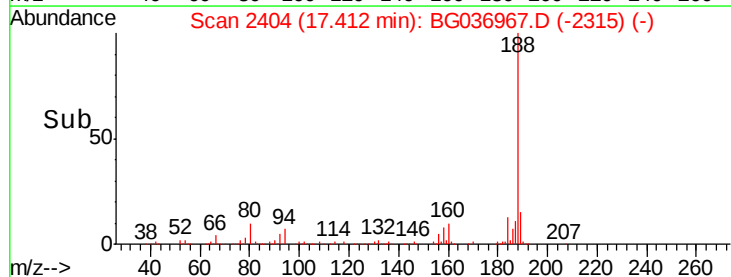
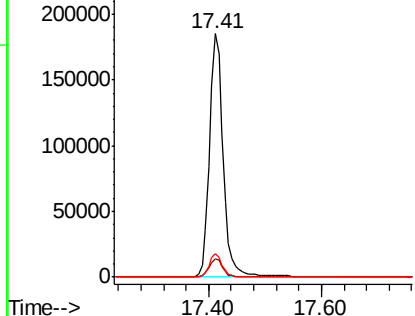
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.7	10.1
80	9.5	8.1	12.1



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

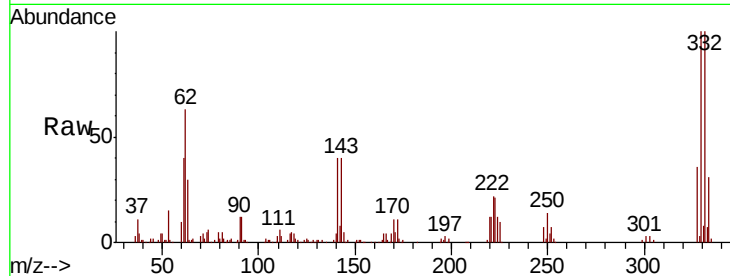




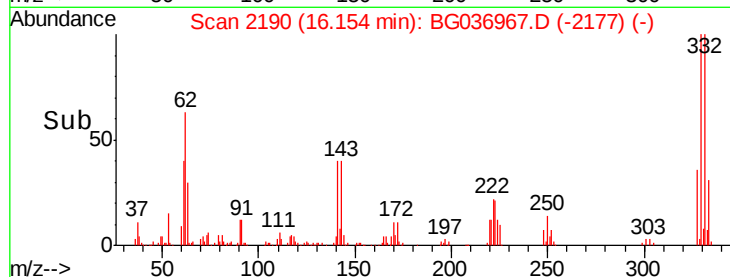
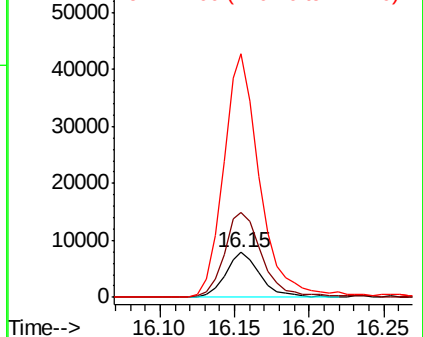
#66
 4-Bromophenyl-phenylether
 Concen: 3.584 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036967.D
 Acq: 26 Sep 2018 3:22

Instrument :
 BNA_G
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 SU-02-092418-B

Tgt Ion:248 Resp: 12736
 Ion Ratio Lower Upper
 248 100
 250 190.9 78.1 117.1#
 141 545.6 53.7 80.5#

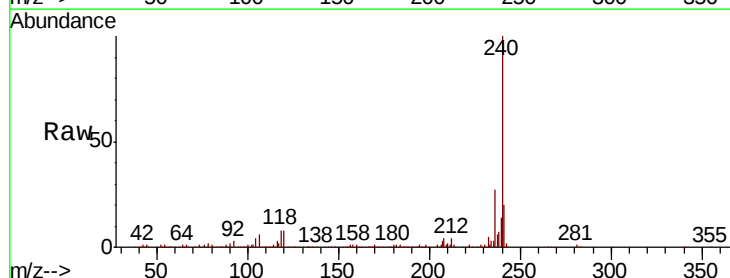


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

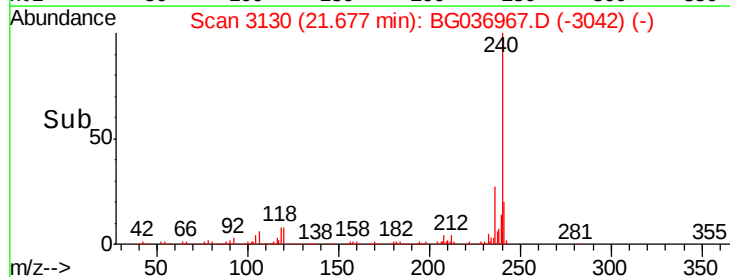
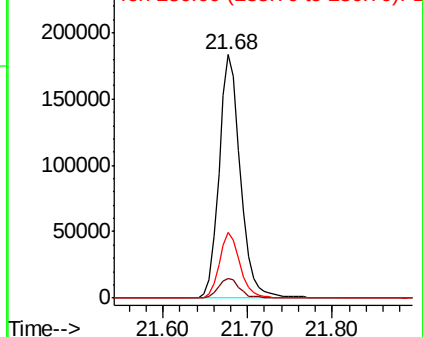


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036967.D
 Acq: 26 Sep 2018 3:22

Tgt Ion:240 Resp: 323246
 Ion Ratio Lower Upper
 240 100
 120 8.1 6.9 10.3
 236 26.9 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

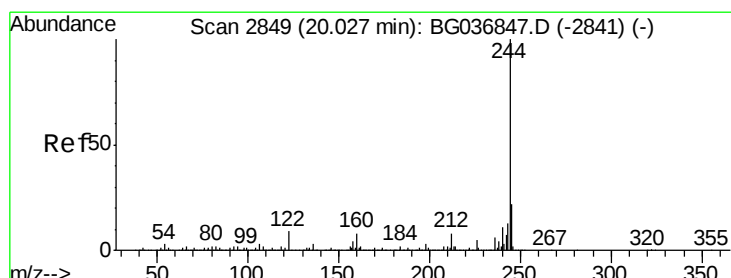
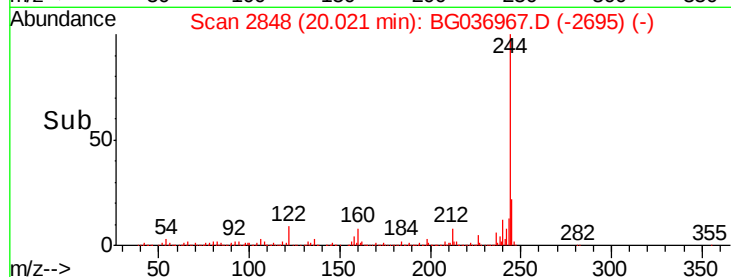
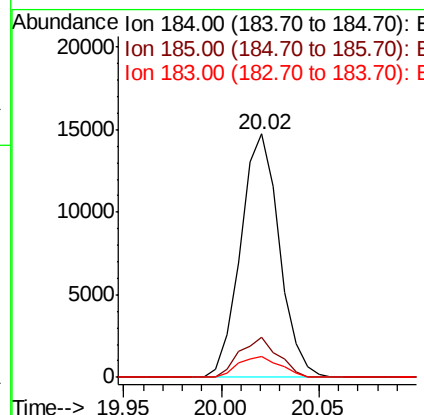
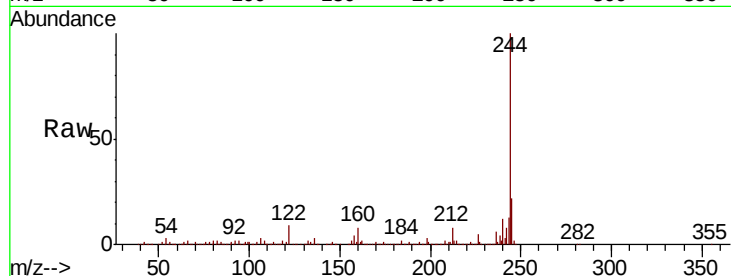




#76
Benzidine
Concen: 2.072 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036967.D
Acq: 26 Sep 2018 3:22

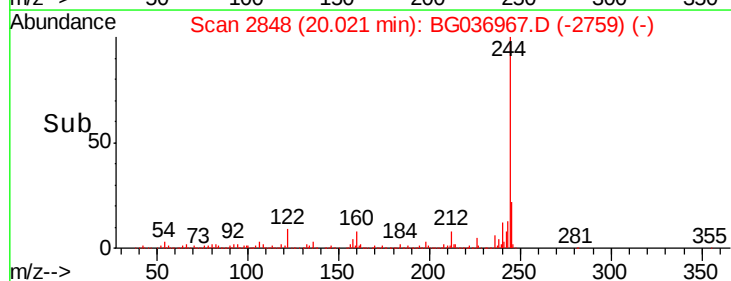
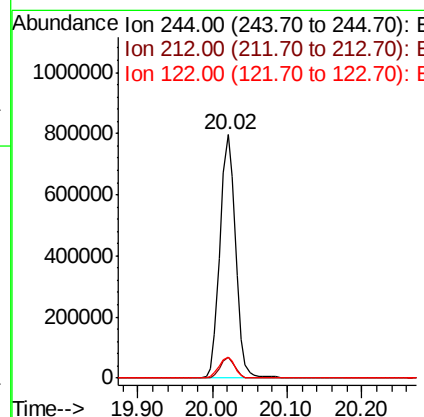
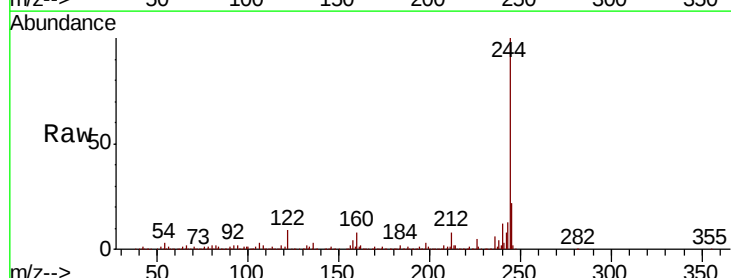
Instrument :
BNA_G
ClientSampleId :
SU-02-092418-B

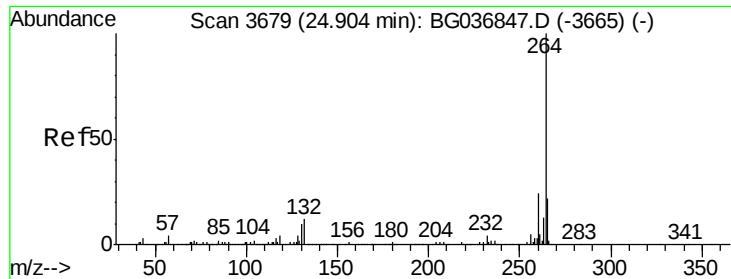
Tgt Ion:184 Resp: 20249
Ion Ratio Lower Upper
184 100
185 16.5 12.6 18.8
183 8.4 10.9 16.3#



#78
Terphenyl-d14
Concen: 94.065 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG036967.D
Acq: 26 Sep 2018 3:22

Tgt Ion:244 Resp: 1156355
Ion Ratio Lower Upper
244 100
212 8.4 7.0 10.6
122 8.8 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: BG036967.D
Acq: 26 Sep 2018 3:22

Instrument :
BNA_G
ClientSampleId :
SU-02-092418-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.8	17.4	26.0

