

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092718\
 Data File : BG037026.D
 Acq On : 27 Sep 2018 22:29
 Operator : JU/SJ
 Sample : J5096-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MT-T-5-2

Quant Time: Sep 28 04:24:03 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

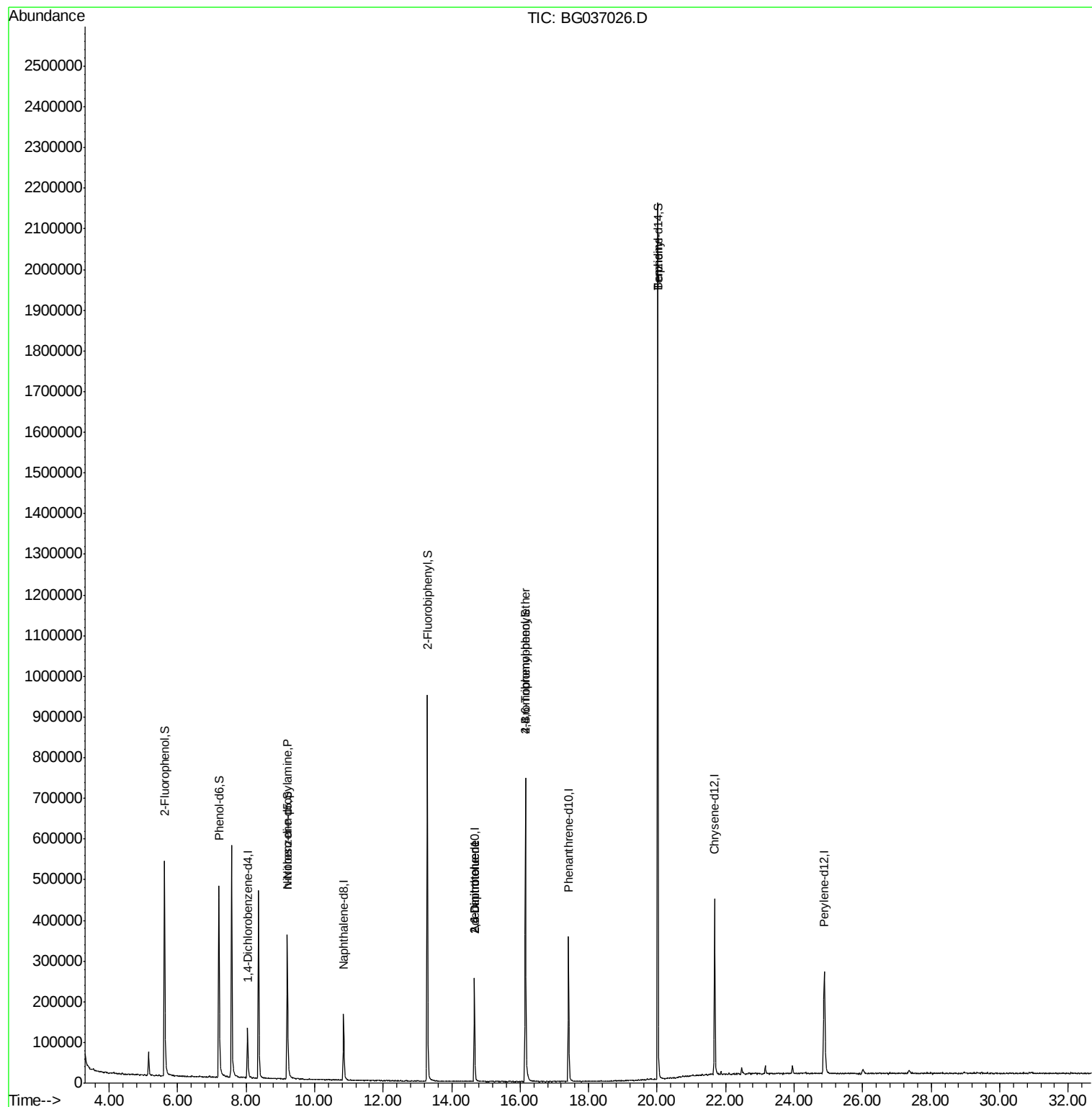
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	39449	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	157895	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	95679	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	253956	20.00	ng	0.00
75) Chrysene-d12	21.67	240	287605	20.00	ng	-0.02
86) Perylene-d12	24.88	264	282104	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	251993	122.50	ng	0.00
7) Phenol-d6	7.20	99	307200	96.53	ng	0.00
23) Nitrobenzene-d5	9.20	82	255562	86.68	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	152130	132.89	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	535932	83.43	ng	0.00
78) Terphenyl-d14	20.02	244	1053887	96.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	33840	12.782	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	11822	7.036	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	11822	5.042	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	10653	3.688	ng	# 1
76) Benzidine	20.02	184	18314	2.106	ng	# 91

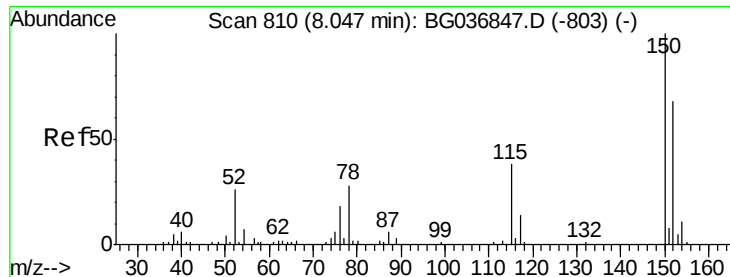
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

Instrument :

BNA_G

ClientSampleId :

MT-T-5-2

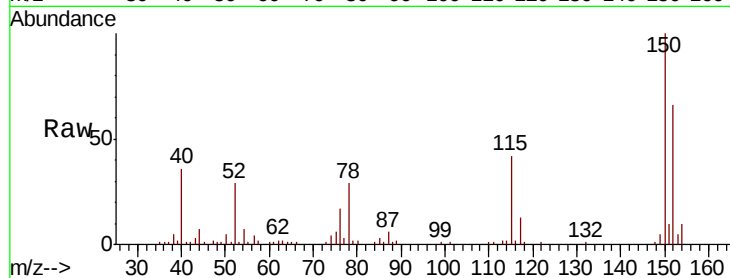
Tgt Ion:152 Resp: 39449

Ion Ratio Lower Upper

152 100

150 152.5 119.5 179.3

115 64.8 44.5 66.7

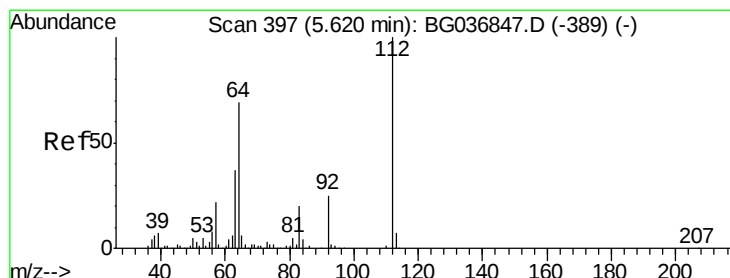
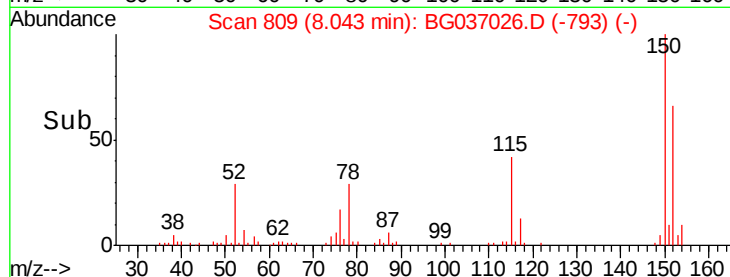
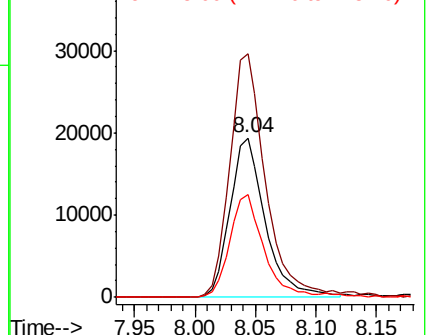


Abundance

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: 122.504 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

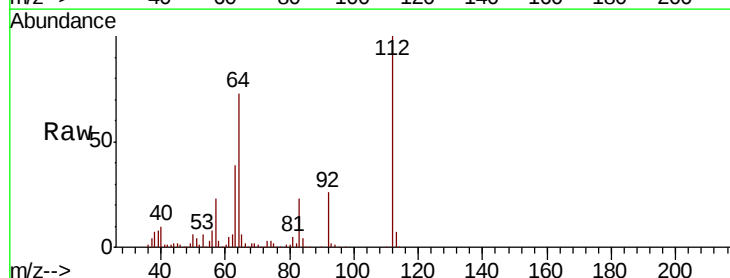
Tgt Ion:112 Resp: 251993

Ion Ratio Lower Upper

112 100

64 73.0 57.2 85.8

63 39.1 30.8 46.2

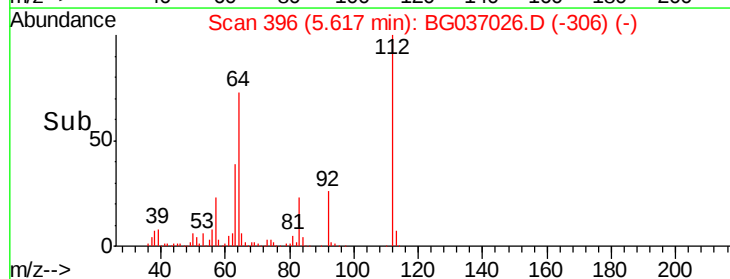
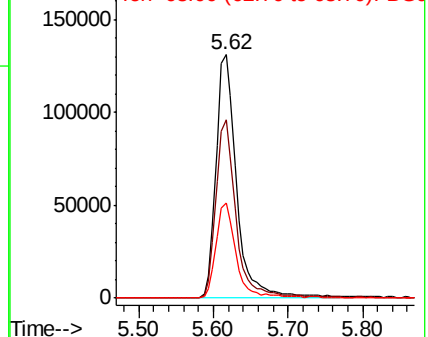


Abundance

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: 96.526 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

Instrument :

BNA_G

ClientSampled :

MT-T-5-2

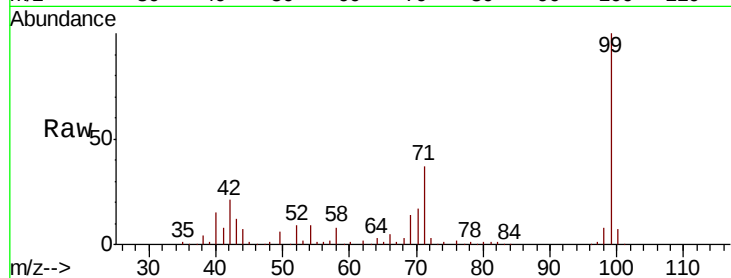
Tgt Ion: 99 Resp: 307200

Ion Ratio Lower Upper

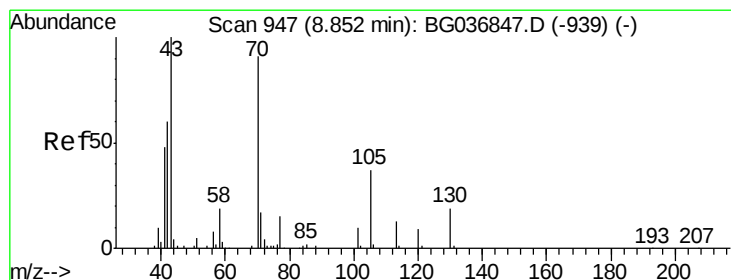
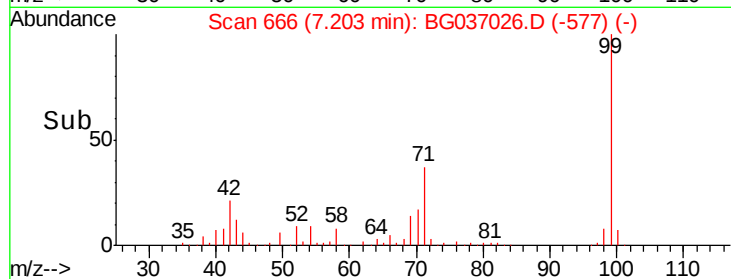
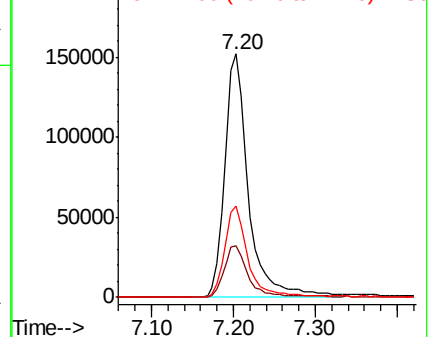
99 100

42 21.4 16.5 24.7

71 37.2 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: 12.782 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

Tgt Ion: 70 Resp: 33840

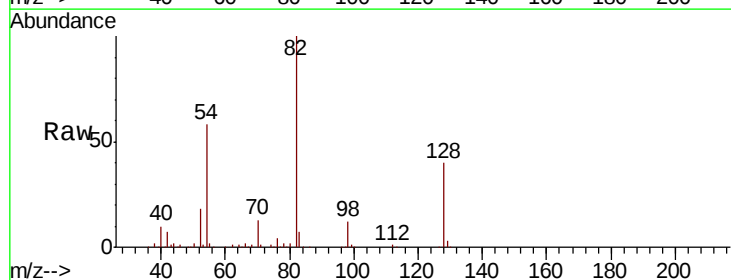
Ion Ratio Lower Upper

70 100

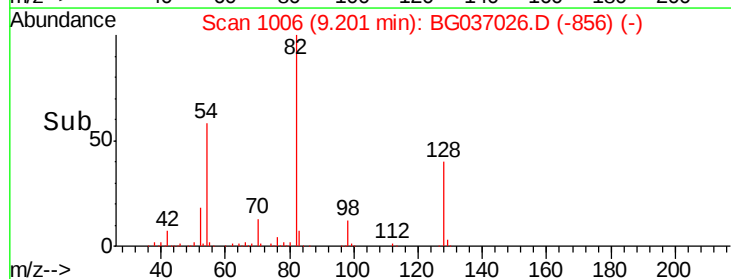
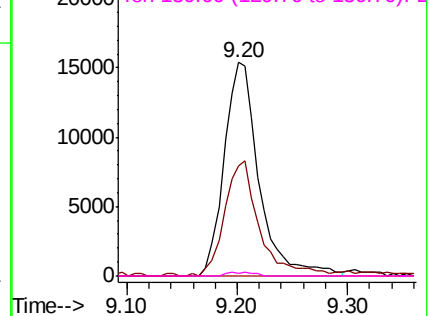
42 51.5 56.2 84.4#

101 0.0 7.8 11.6#

130 1.5 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

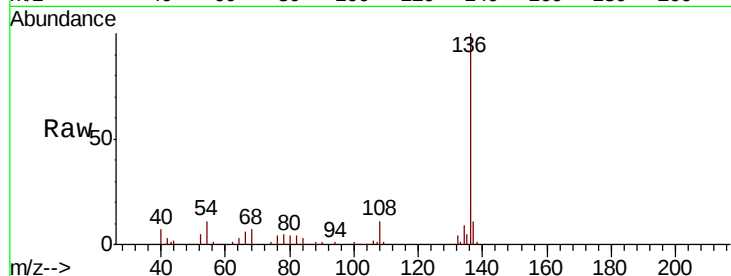




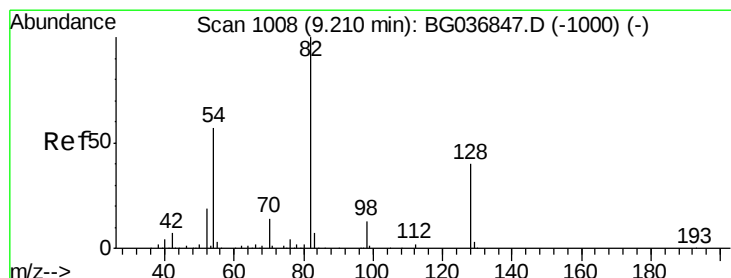
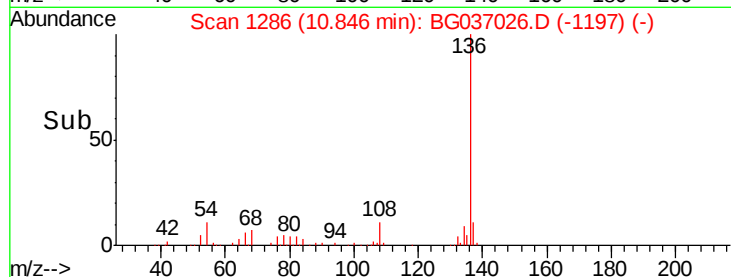
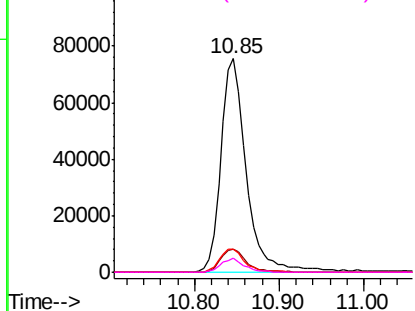
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037026.D
Acq: 27 Sep 2018 22:29

Instrument :
BNA_G
ClientSampleId :
MT-T-5-2

Tgt Ion:	136	Resp:	157895
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.8	9.2	13.8
68	6.5	5.8	8.6

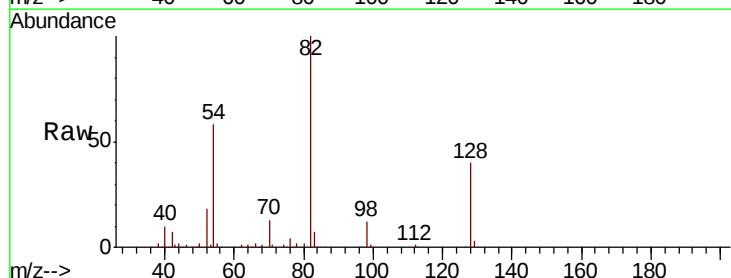


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

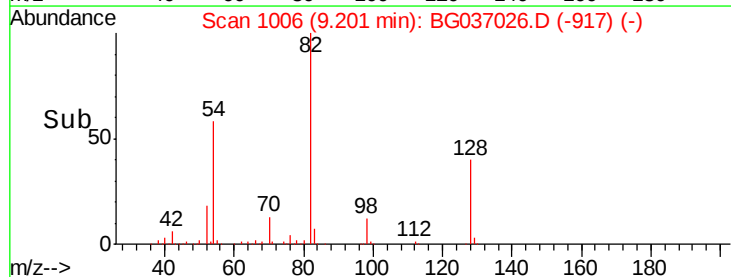
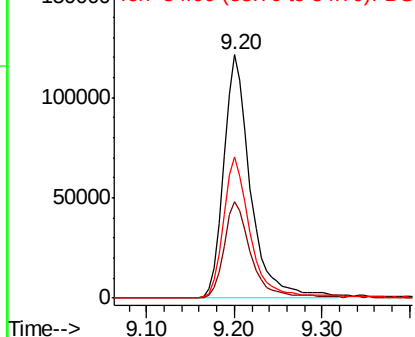


#23
Nitrobenzene-d5
Concen: 86.675 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037026.D
Acq: 27 Sep 2018 22:29

Tgt Ion:	82	Resp:	255562
Ion	Ratio	Lower	Upper
82	100		
128	39.6	33.3	49.9
54	57.9	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# 1936

Delta R.T. -0.01 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

Instrument :

BNA_G

ClientSampleId :

MT-T-5-2

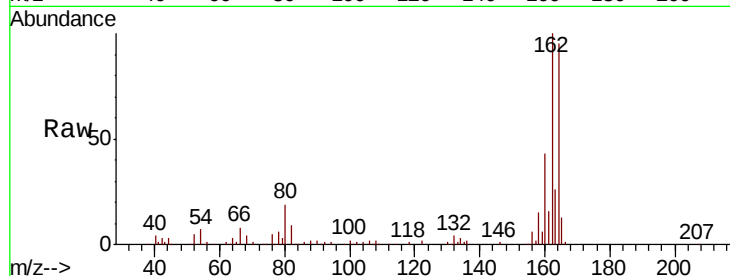
Tgt Ion:164 Resp: 95679

Ion Ratio Lower Upper

164 100

162 105.8 80.7 121.1

160 45.1 35.3 52.9

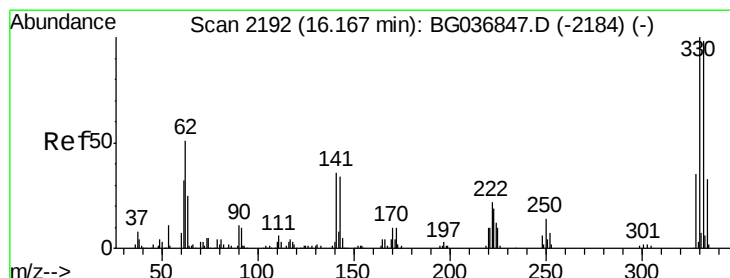
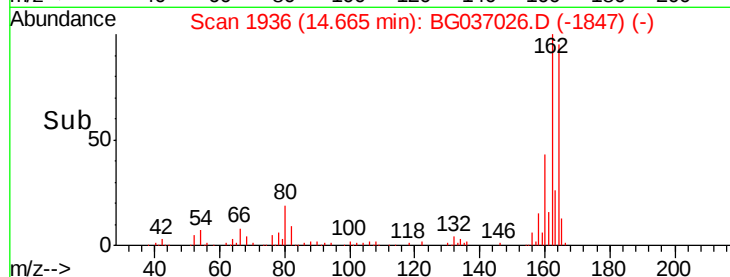
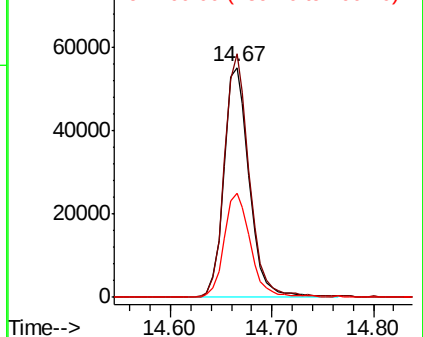


Abundance

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: 132.895 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

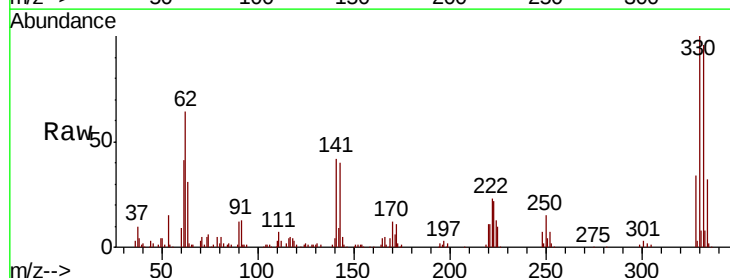
Tgt Ion:330 Resp: 152130

Ion Ratio Lower Upper

330 100

332 95.2 75.4 113.2

141 40.2 30.7 46.1

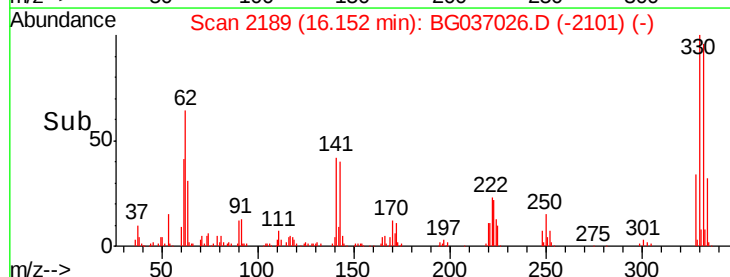
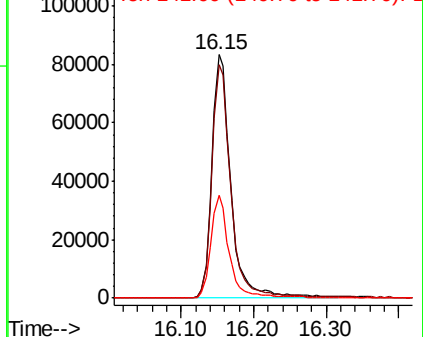


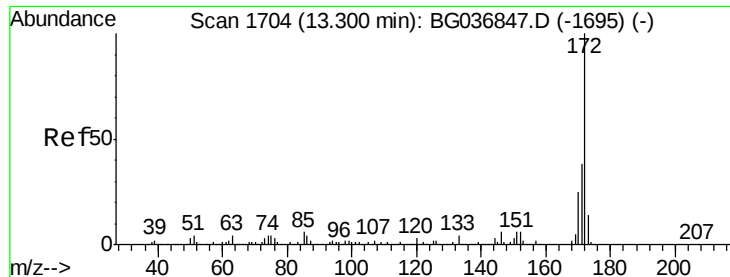
Abundance

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

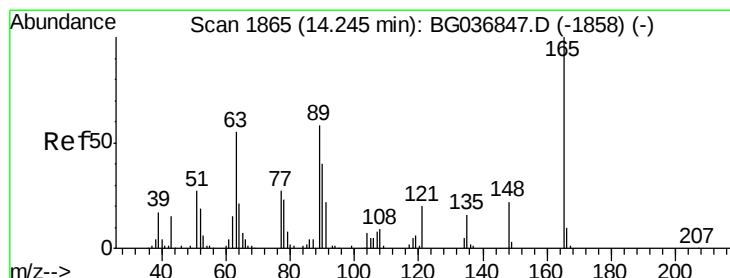
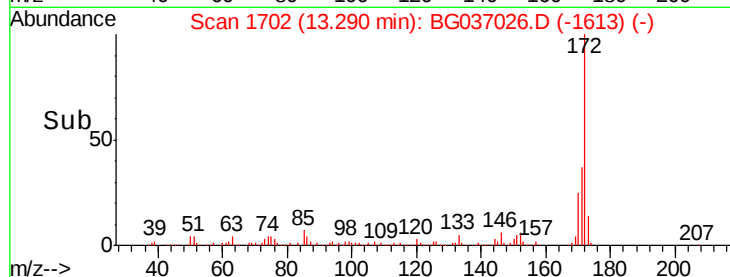
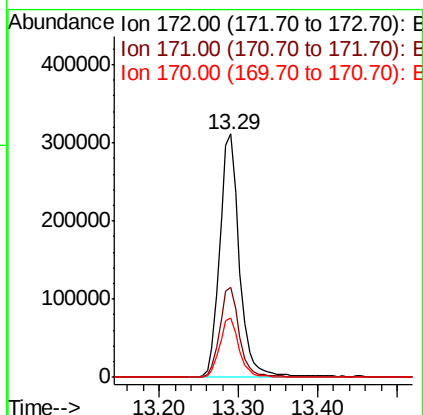
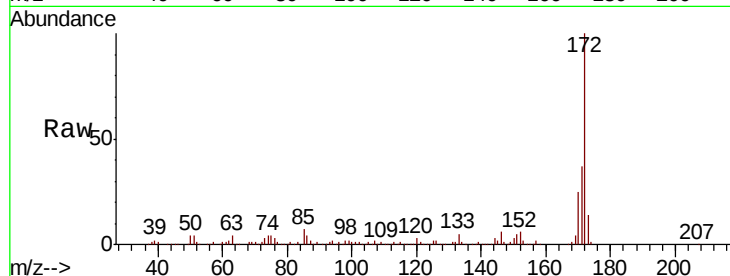




#44
 2-Fluorobiphenyl
 Concen: 83.426 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037026.D
 Acq: 27 Sep 2018 22:29

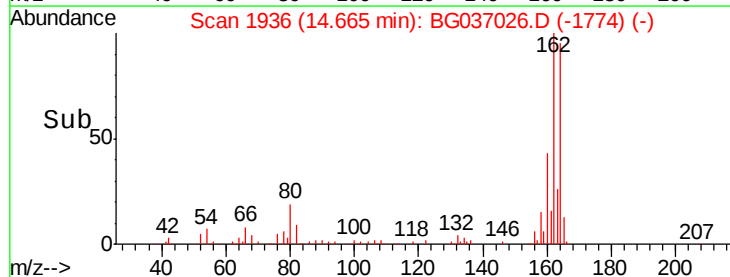
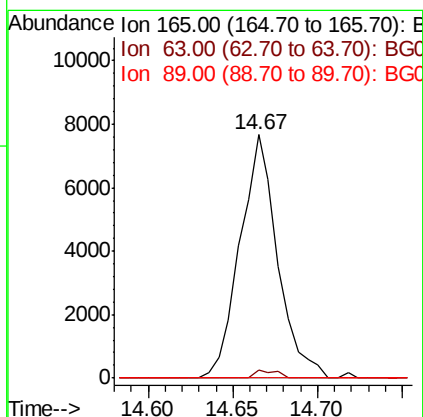
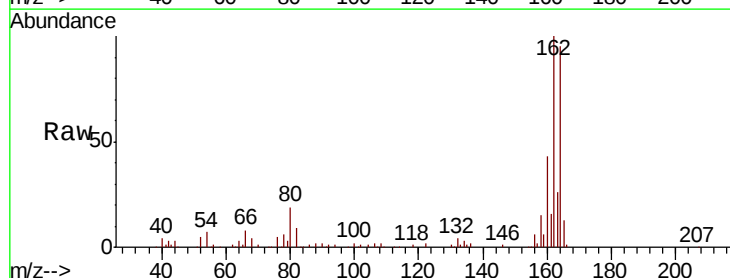
Instrument :
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 MT-T-5-2

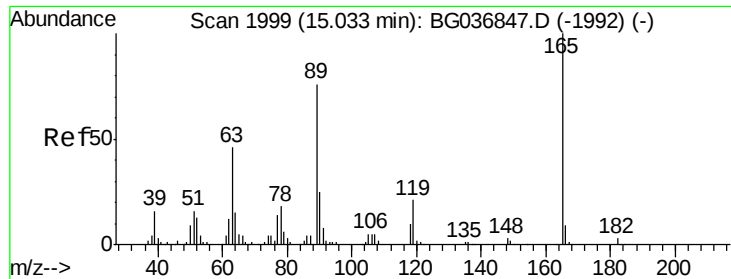
Tgt Ion:172 Resp: 535932
 Ion Ratio Lower Upper
 172 100
 171 37.0 31.3 46.9
 170 24.6 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.036 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037026.D
 Acq: 27 Sep 2018 22:29

Tgt Ion:165 Resp: 11822
 Ion Ratio Lower Upper
 165 100
 63 3.5 50.1 75.1#
 89 0.0 47.8 71.6#

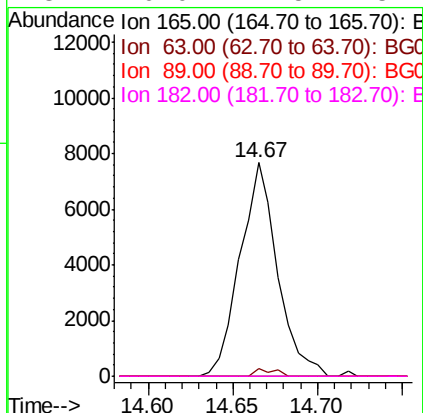
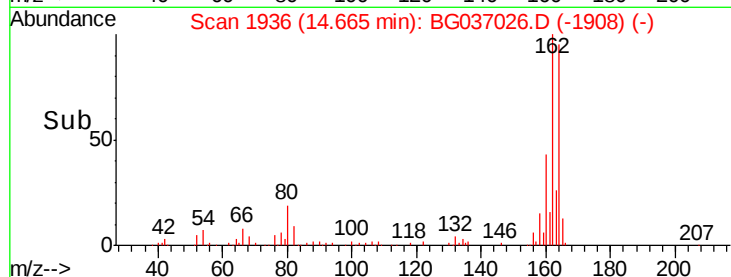
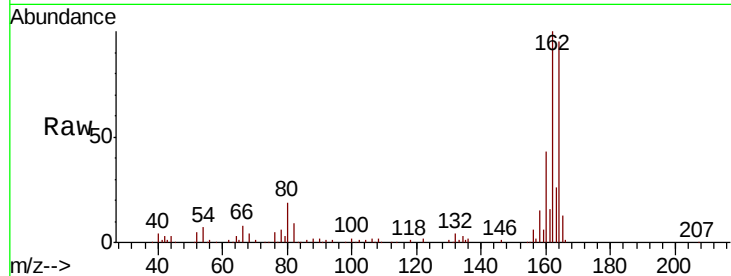




#56
 2,4-Dinitrotoluene
 Concen: 5.042 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037026.D
 Acq: 27 Sep 2018 22:29

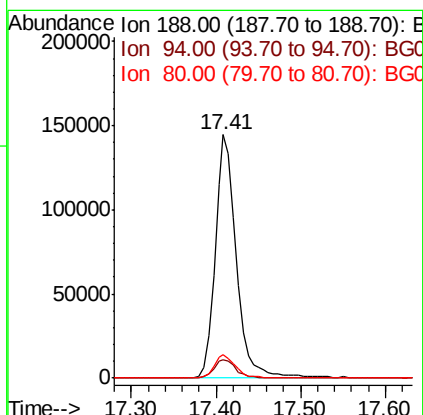
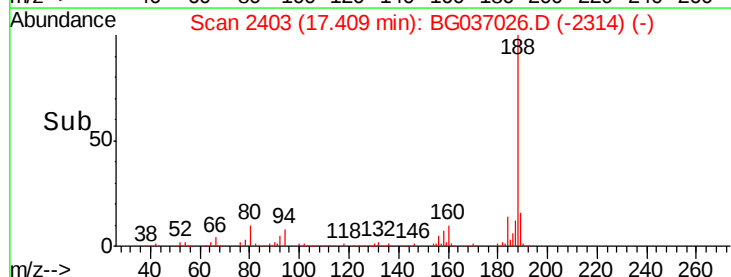
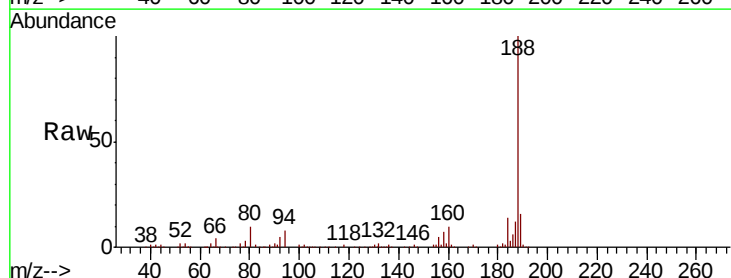
Instrument :
 BNA_G
 ClientSampleId :
 MT-T-5-2

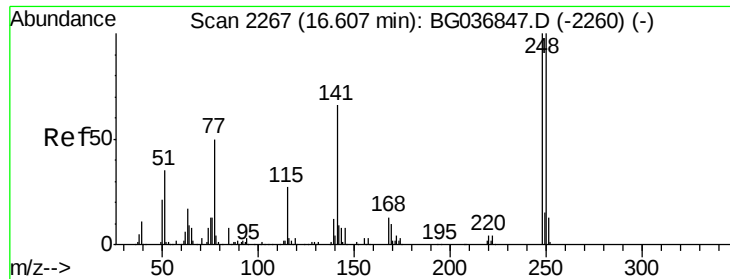
Tgt Ion:	165	Resp:	11822
Ion	Ratio	Lower	Upper
165	100		
63	3.5	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037026.D
 Acq: 27 Sep 2018 22:29

Tgt Ion:	188	Resp:	253956
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.8	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.688 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

Instrument :

BNA_G

ClientSampleId :

MT-T-5-2

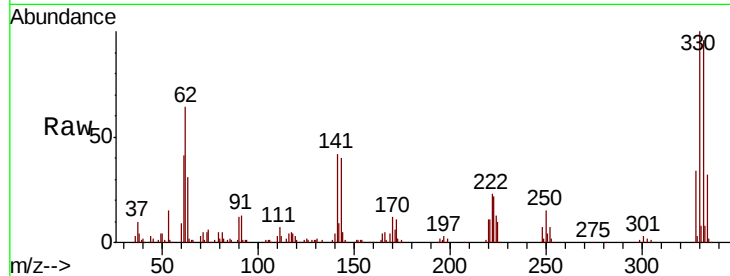
Tgt Ion:248 Resp: 10653

Ion Ratio Lower Upper

248 100

250 204.2 78.1 117.1#

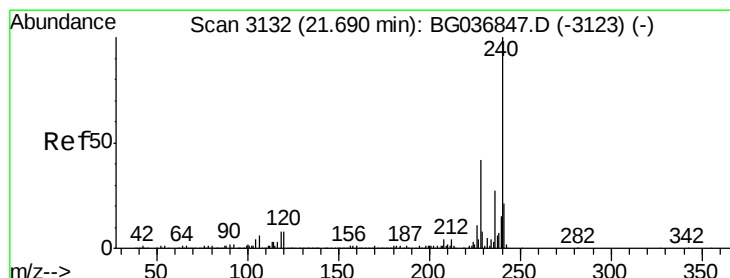
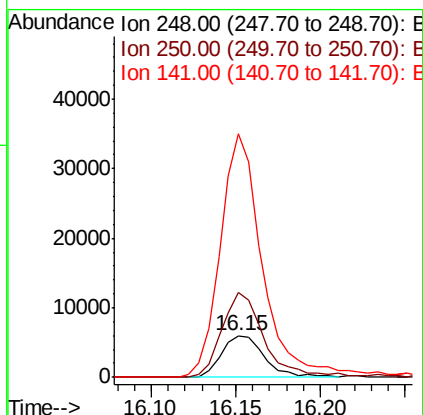
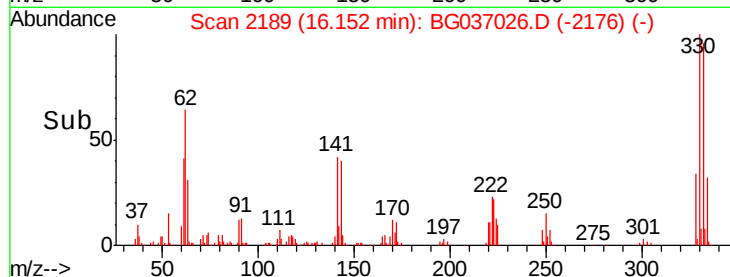
141 586.4 53.7 80.5#



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: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037026.D

Acq: 27 Sep 2018 22:29

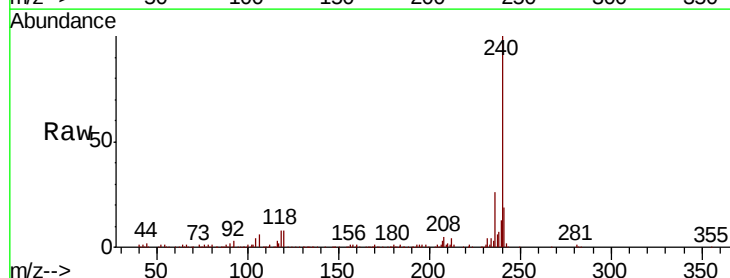
Tgt Ion:240 Resp: 287605

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

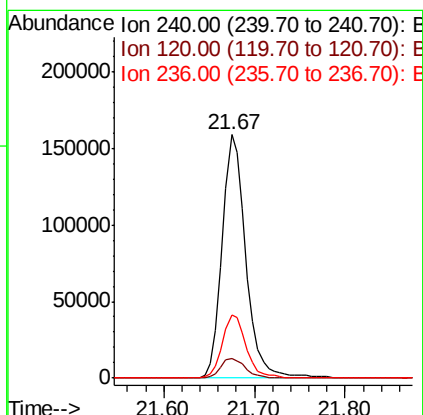
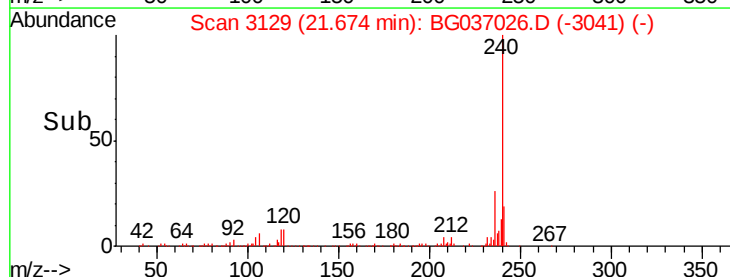
236 25.8 21.2 31.8



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

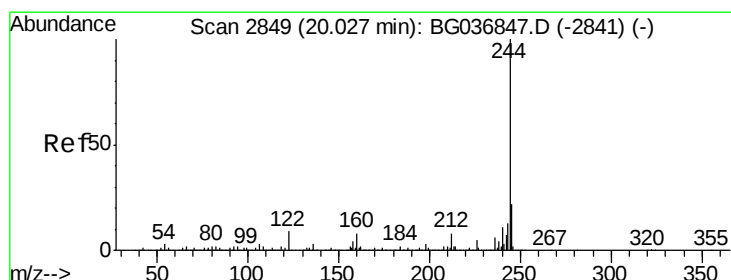
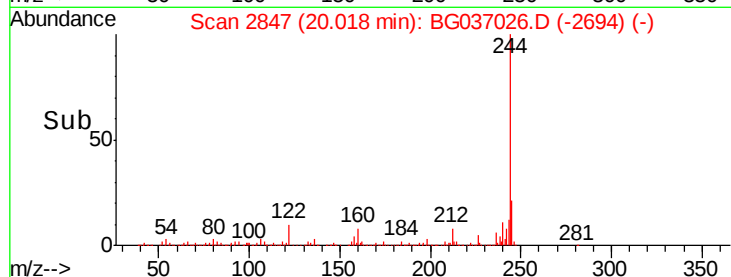
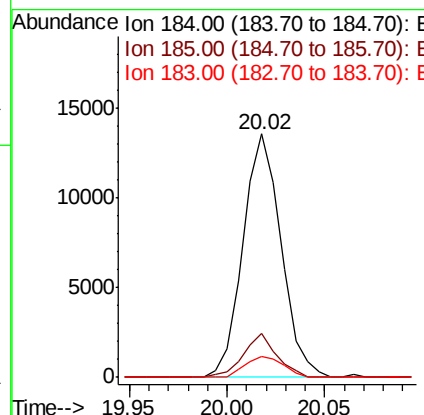
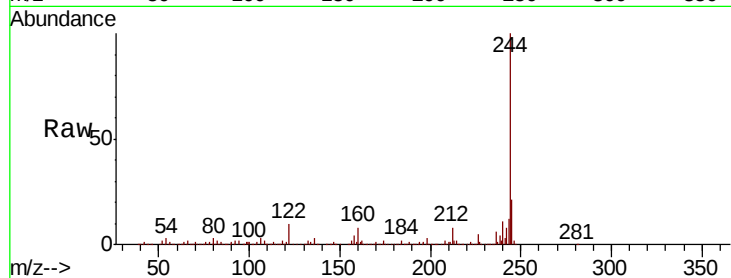




#76
Benzidine
Concen: 2.106 ng
RT: 20.02 min Scan# 2847
Delta R.T. 0.37 min
Lab File: BG037026.D
Acq: 27 Sep 2018 22:29

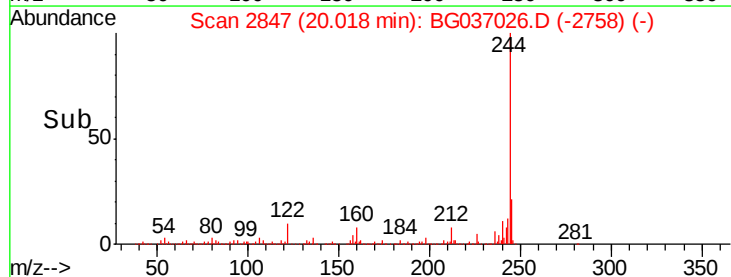
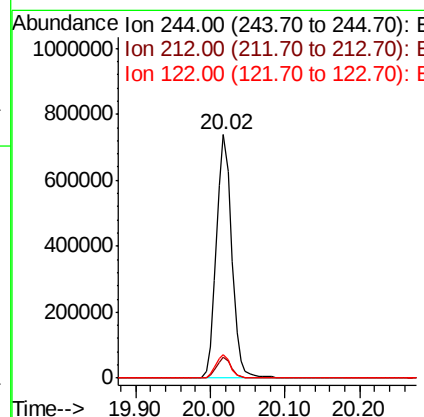
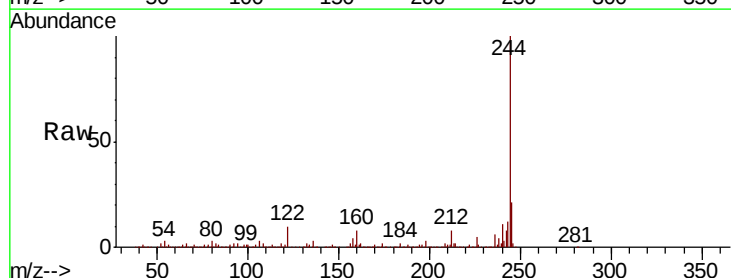
Instrument :
BNA_G
ClientSampleId :
MT-T-5-2

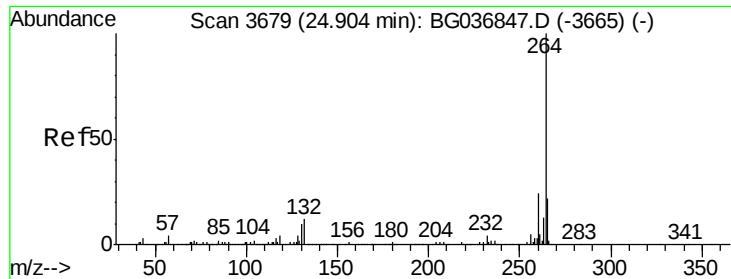
Tgt Ion:184 Resp: 18314
Ion Ratio Lower Upper
184 100
185 18.3 12.6 18.8
183 8.5 10.9 16.3#



#78
Terphenyl-d14
Concen: 96.354 ng
RT: 20.02 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BG037026.D
Acq: 27 Sep 2018 22:29

Tgt Ion:244 Resp: 1053887
Ion Ratio Lower Upper
244 100
212 8.5 7.0 10.6
122 9.5 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: BG037026.D
Acq: 27 Sep 2018 22:29

Instrument :
BNA_G
ClientSampleId :
MT-T-5-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	20.6	17.4	26.0

