

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036254.D
 Acq On : 10 Aug 2018 5:25
 Operator : JU/SJ
 Sample : PB111863TB
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 10 07:05:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

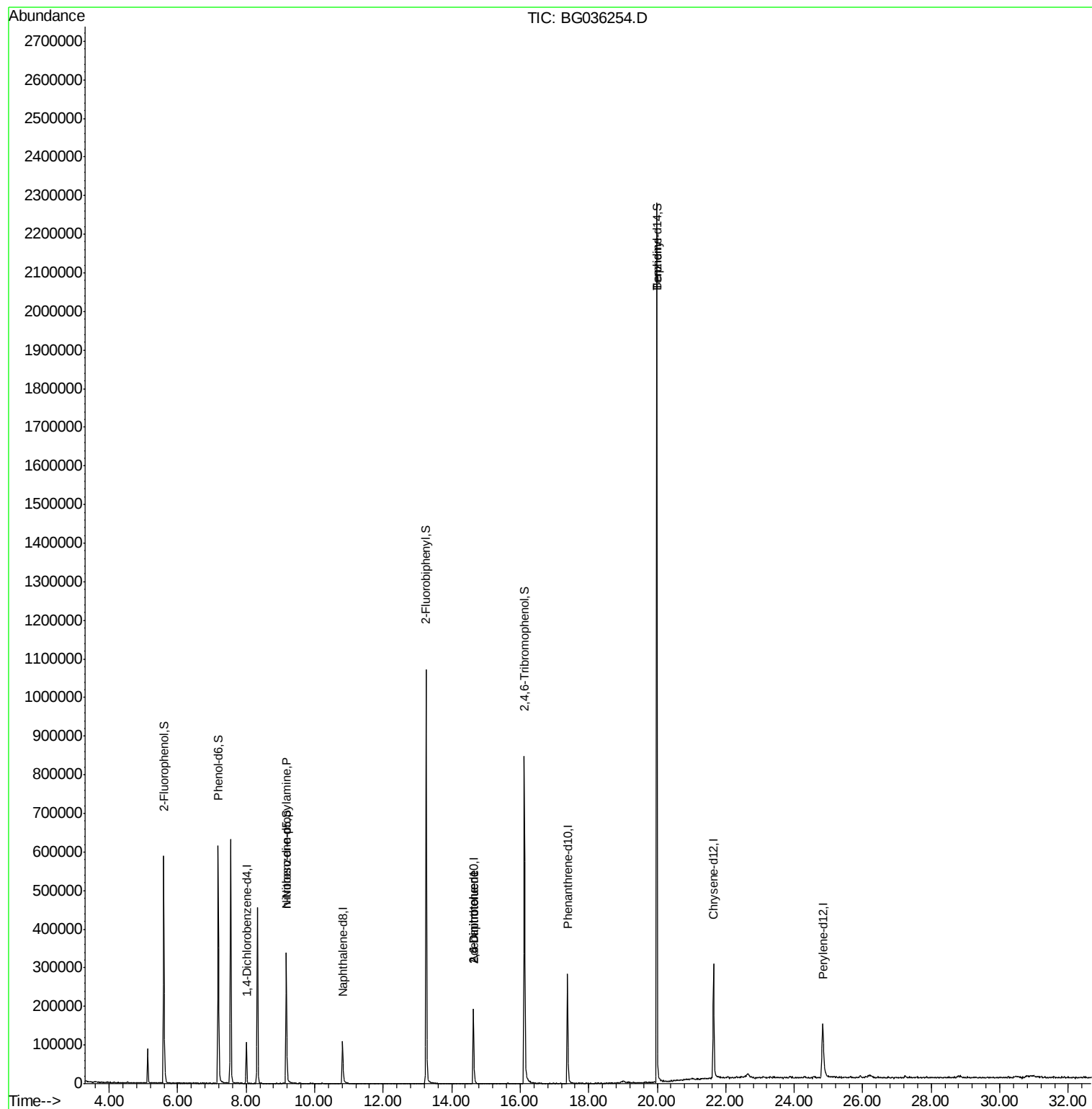
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31370	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	109905	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	78957	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	216042	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	231572	20.00	ng	-0.02
86) Perylene-d12	24.83	264	212368	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	266700	141.15	ng	0.00
7) Phenol-d6	7.19	99	385089	136.60	ng	0.00
23) Nitrobenzene-d5	9.17	82	250607	95.26	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	185709	178.45	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	612586	103.94	ng	-0.02
78) Terphenyl-d14	19.99	244	1154842	109.93	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	36071	15.195	ng	# 68
50) 2,6-Dinitrotoluene	14.63	165	10759	7.637	ng	# 20
56) 2,4-Dinitrotoluene	14.63	165	10759	5.324	ng	# 18
76) Benzidine	19.99	184	20333	3.340	ng	# 93

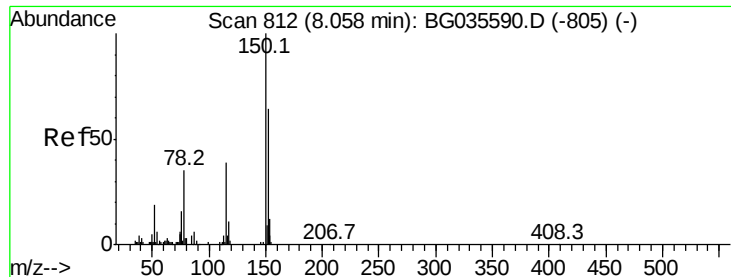
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 31 12:30:06 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.02 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

Instrument :

BNA_G

ClientSampleId :

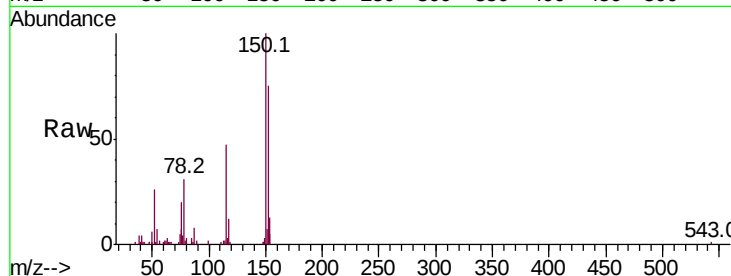
Tot Ion:152 Resp: 31370

Ion Ratio Lower Upper

152 100

150 133.6 126.6 189.8

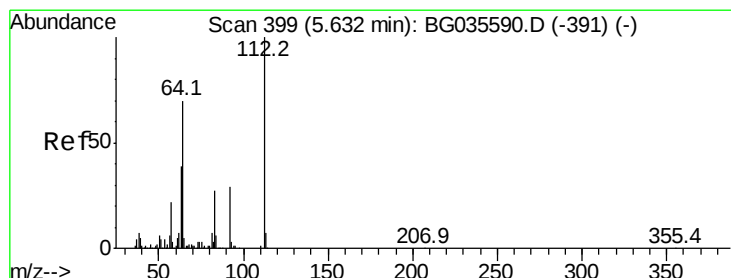
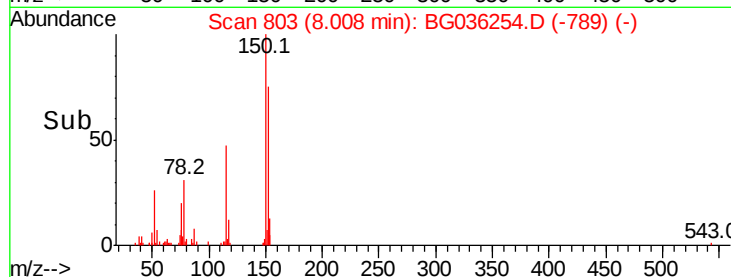
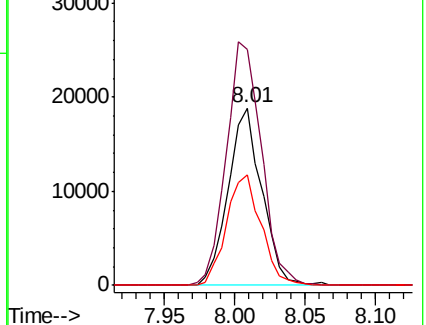
115 62.7 53.0 79.4



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: 141.149 ng

RT: 5.59 min Scan# 392

Delta R.T. -0.01 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

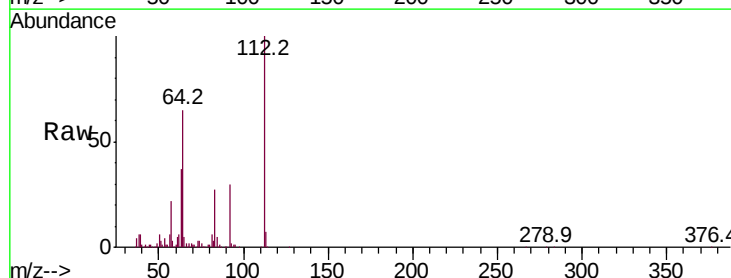
Tgt Ion:112 Resp: 266700

Ion Ratio Lower Upper

112 100

64 64.6 56.3 84.5

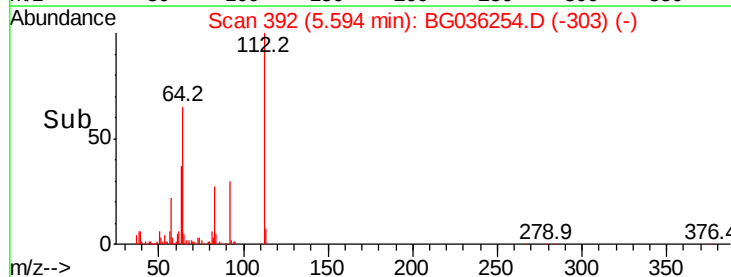
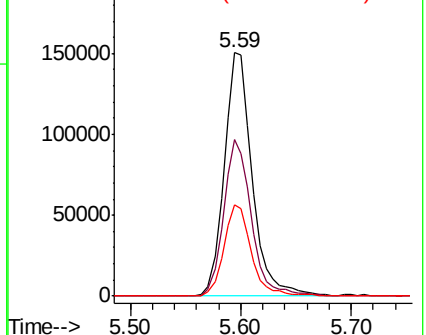
63 37.3 30.1 45.1

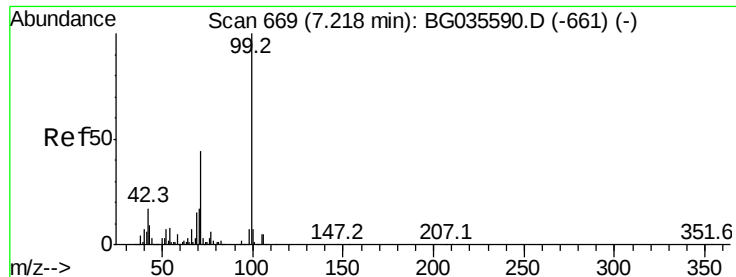


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 136.600 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

Instrument :

BNA_G

ClientSampleId :

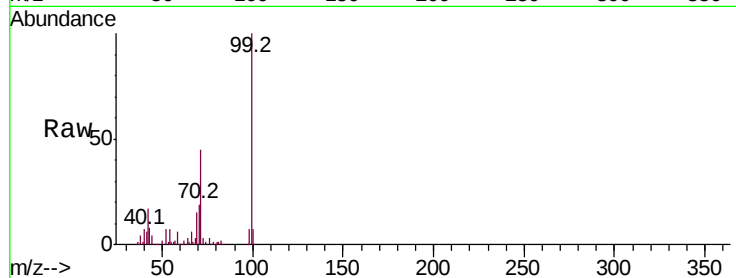
Tot Ion: 99 Resp: 385089

Ion Ratio Lower Upper

99 100

42 17.2 14.1 21.1

71 44.8 26.1 39.1#

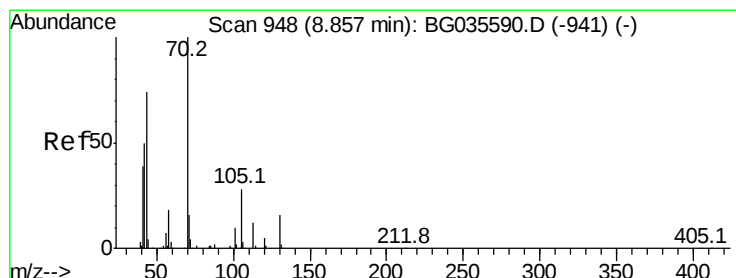
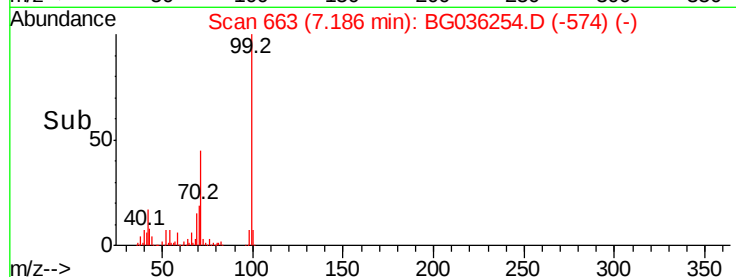
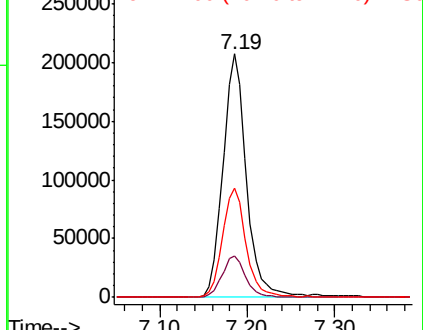


Abundance

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: 15.195 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

Tgt Ion: 70 Resp: 36071

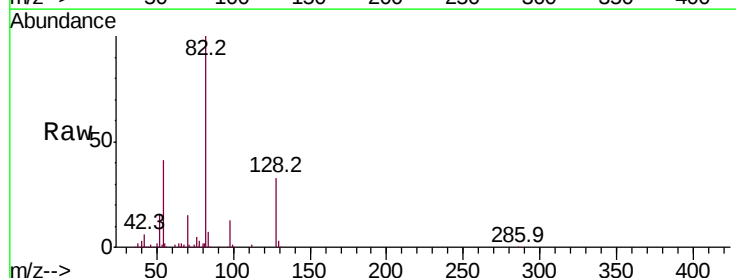
Ion Ratio Lower Upper

70 100

42 37.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#



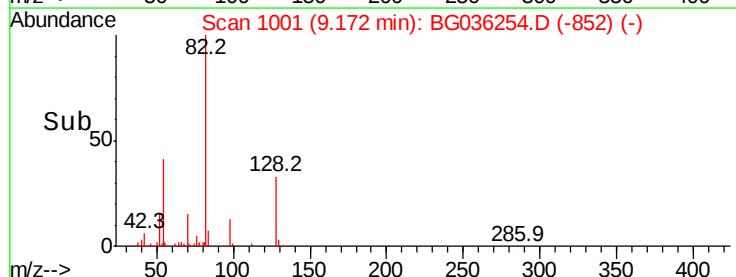
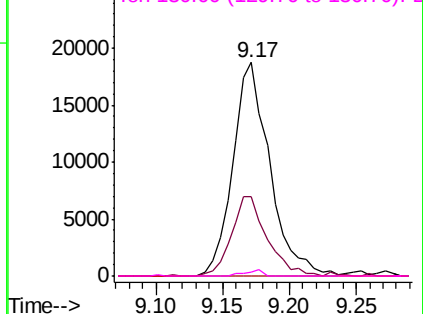
Abundance

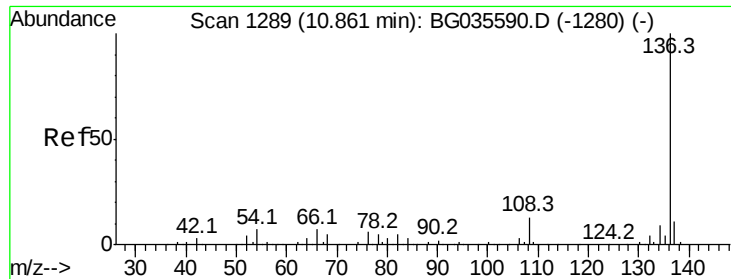
Ion 70.00 (69.70 to 70.70): BGC

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

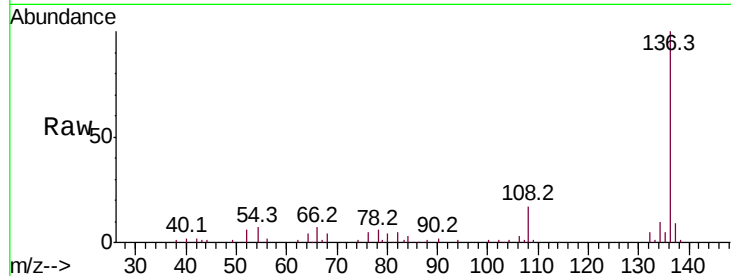




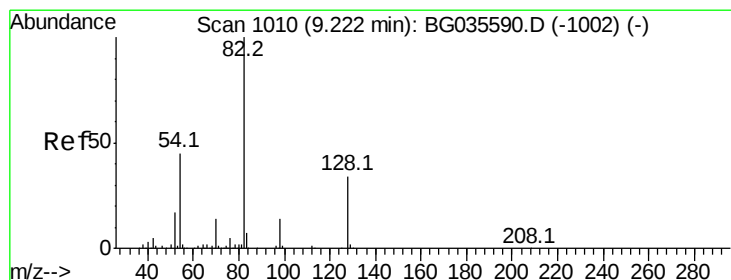
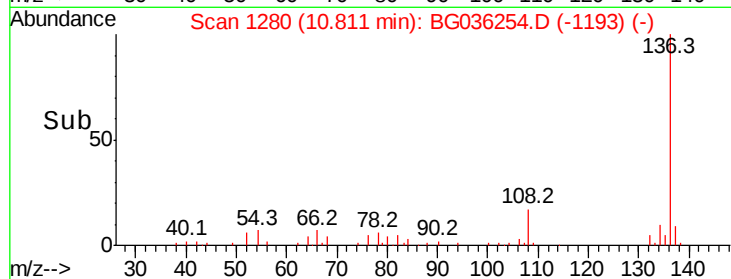
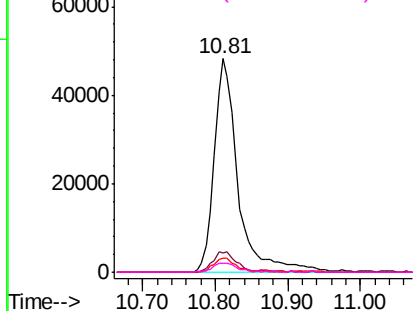
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BG036254.D
Acq: 10 Aug 2018 5:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	109905
Ion Ratio	Lower	Upper	
136	100		
137	9.1	9.2	13.8#
54	6.6	10.3	15.5#
68	4.0	4.5	6.7#

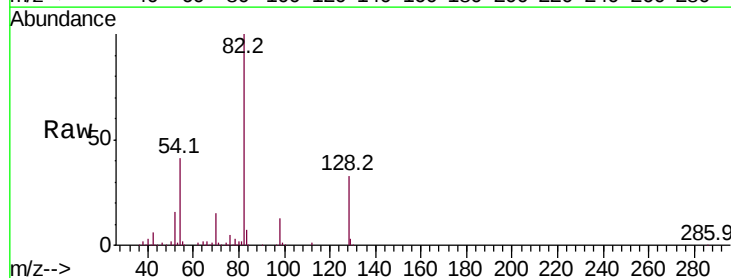


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

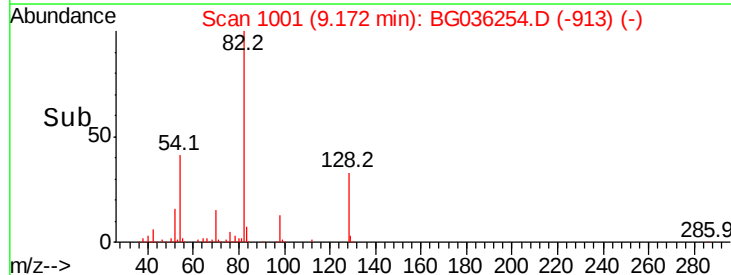
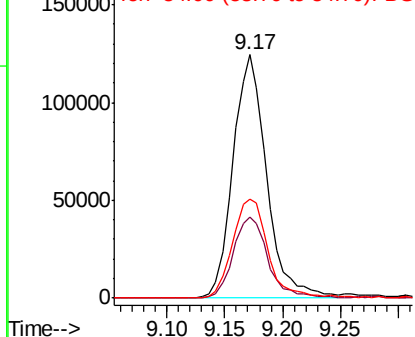


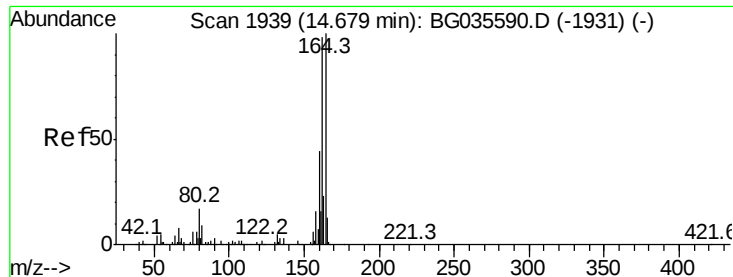
#23
Nitrobenzene-d5
Concen: 95.255 ng
RT: 9.17 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BG036254.D
Acq: 10 Aug 2018 5:25

Tgt Ion:	82	Resp:	250607
Ion Ratio	Lower	Upper	
82	100		
128	33.4	29.7	44.5
54	40.9	43.1	64.7#



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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

Instrument :

BNA_G

ClientSampleId :

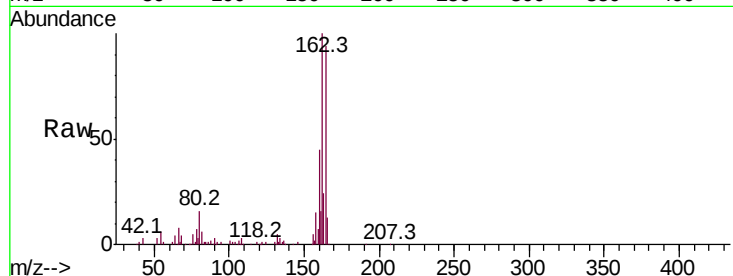
Tot Ion:164 Resp: 78957

Ion Ratio Lower Upper

164 100

162 106.4 78.8 118.2

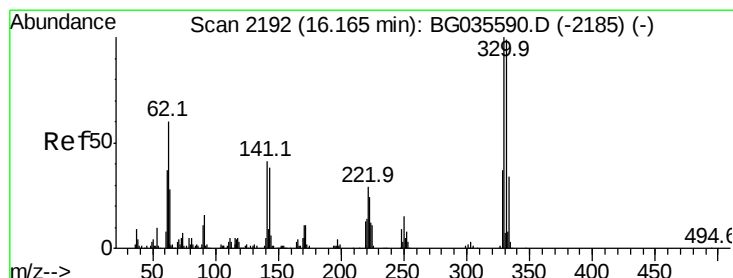
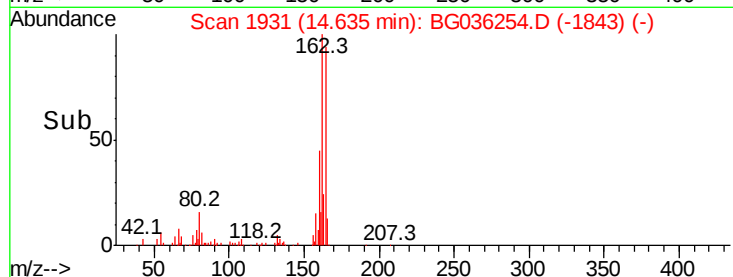
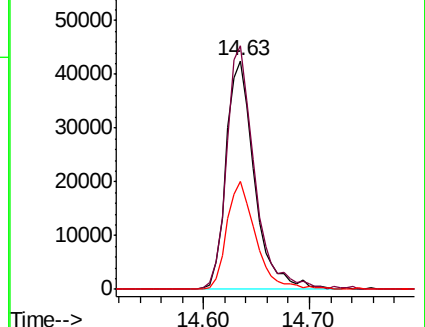
160 47.4 35.4 53.0



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: 178.446 ng

RT: 16.13 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

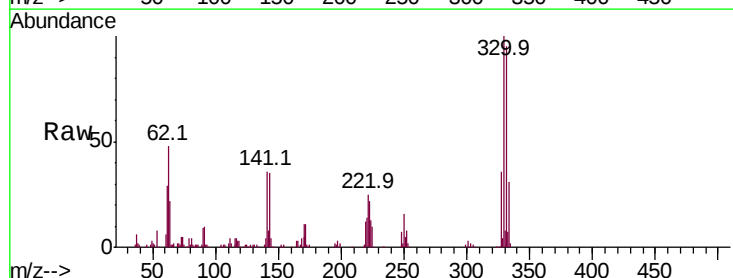
Tgt Ion:330 Resp: 185709

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

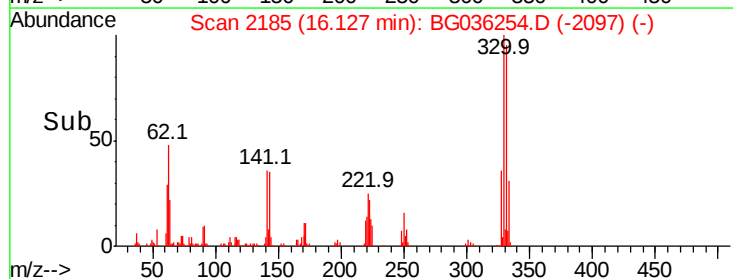
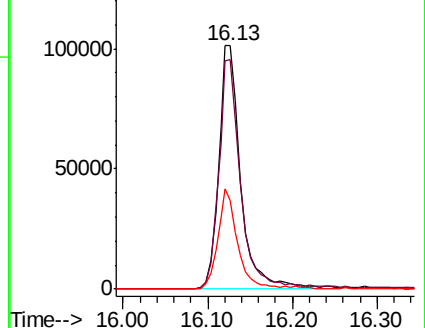
141 37.0 25.2 37.8

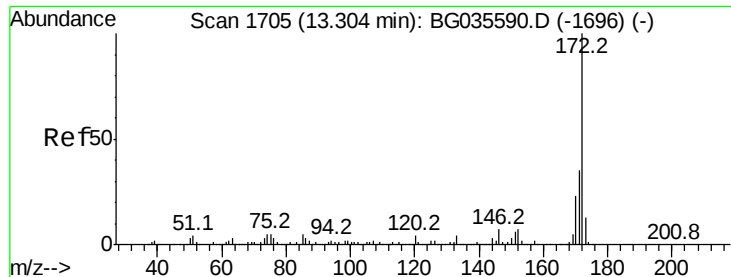


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

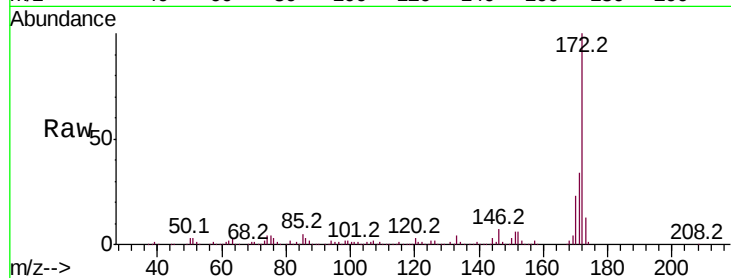




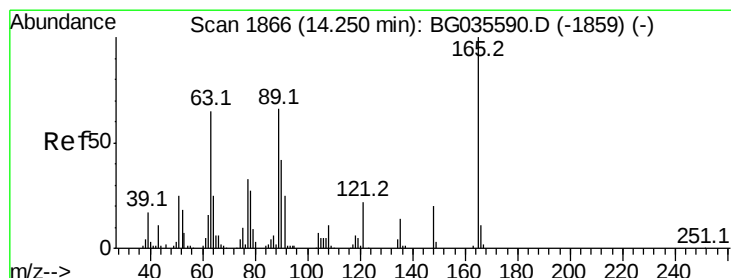
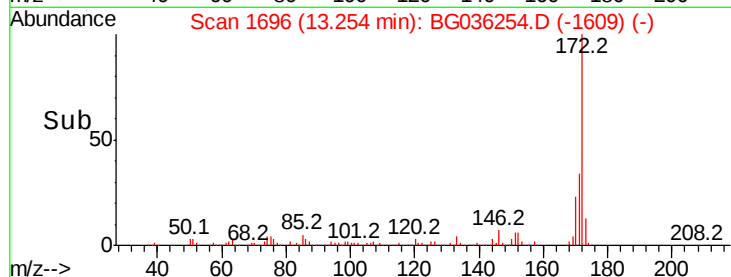
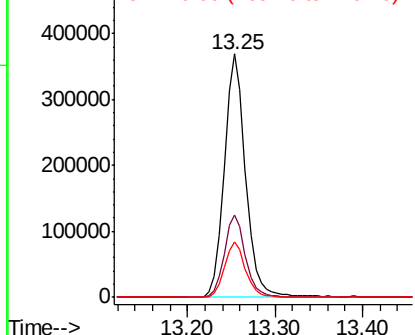
#44
 2-Fluorobiphenyl
 Concen: 103.943 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.0	45.0
170	22.9	19.5	29.3

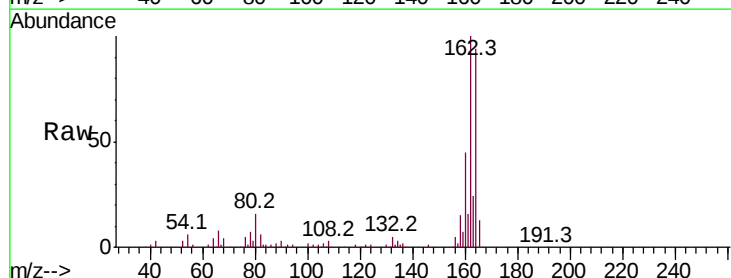


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

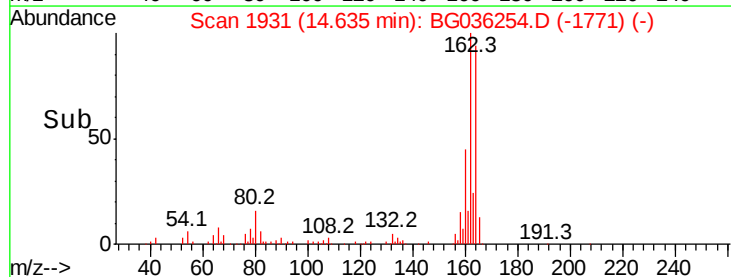
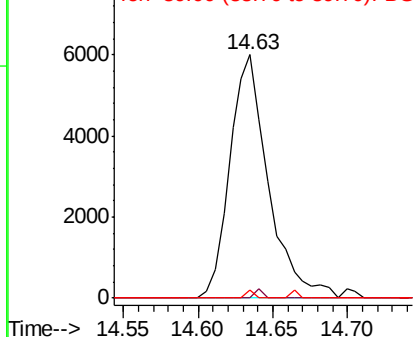


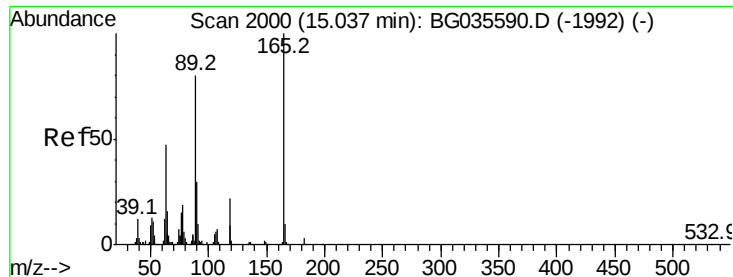
#50
 2,6-Dinitrotoluene
 Concen: 7.637 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.41 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.3	49.2	73.8#



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

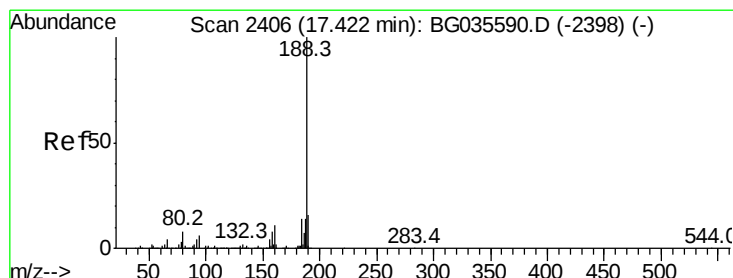
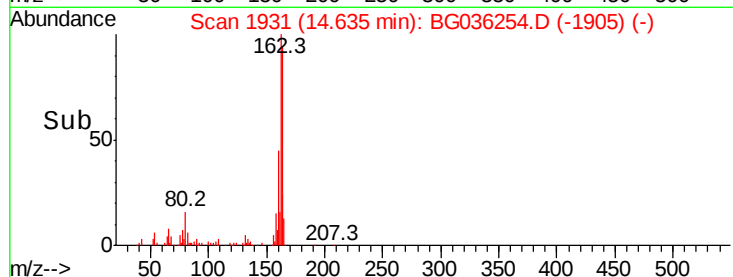
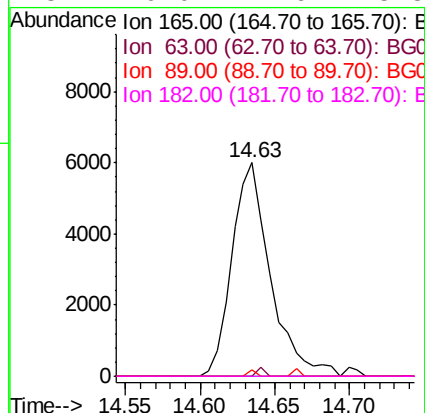
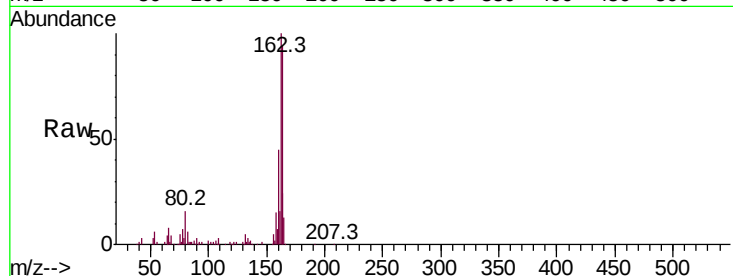




#56
 2,4-Dinitrotoluene
 Concen: 5.324 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

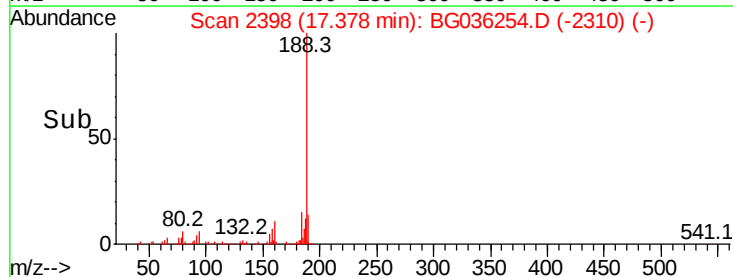
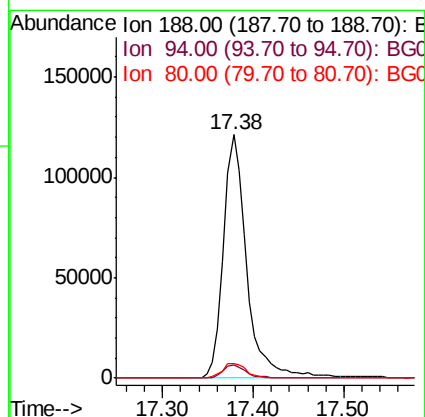
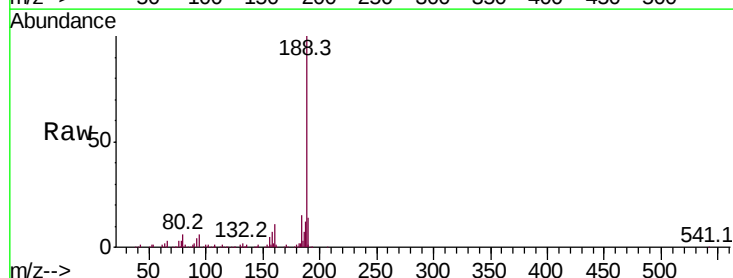
Instrument :
 BNA_G
 ClientSampleId :

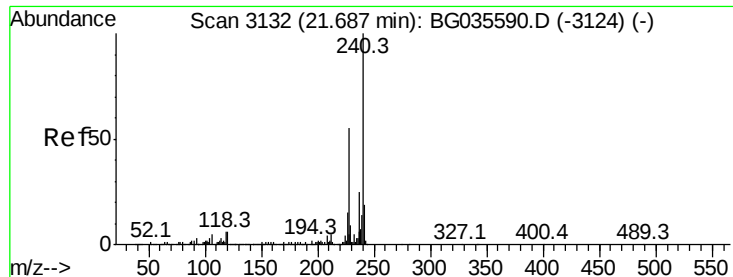
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2398
 Delta R.T. -0.02 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	6.1	7.7	11.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

Instrument :

BNA_G

ClientSampleId :

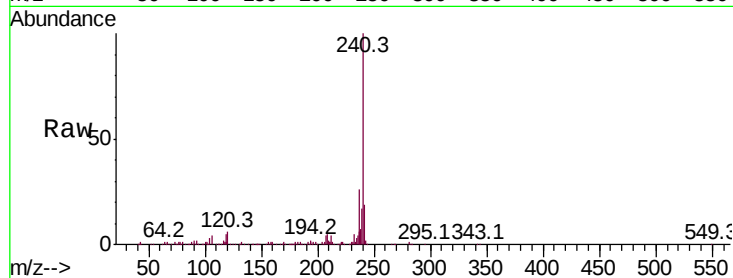
Tot Ion:240 Resp: 231572

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

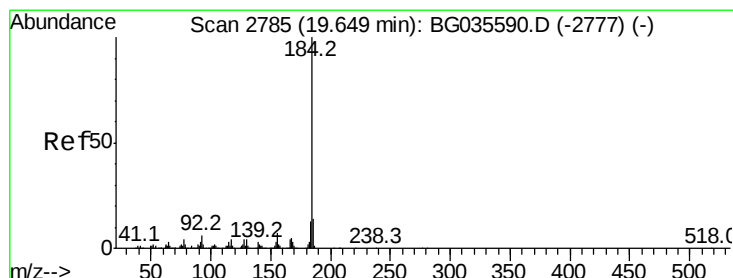
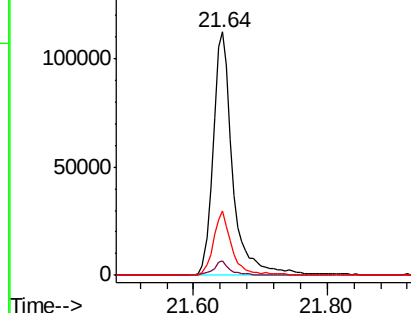
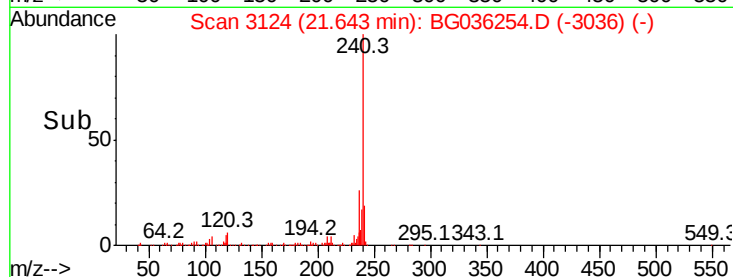
236 26.2 20.9 31.3



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: 3.340 ng

RT: 19.99 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036254.D

Acq: 10 Aug 2018 5:25

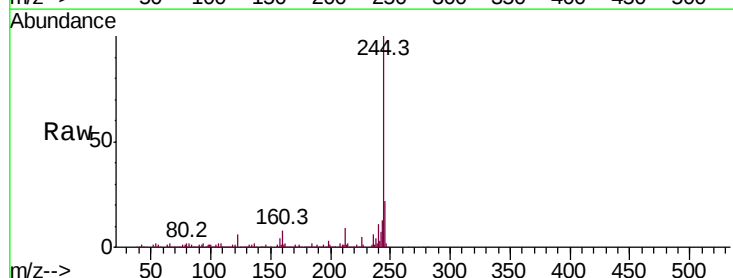
Tgt Ion:184 Resp: 20333

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

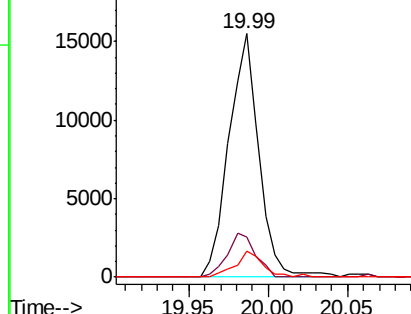
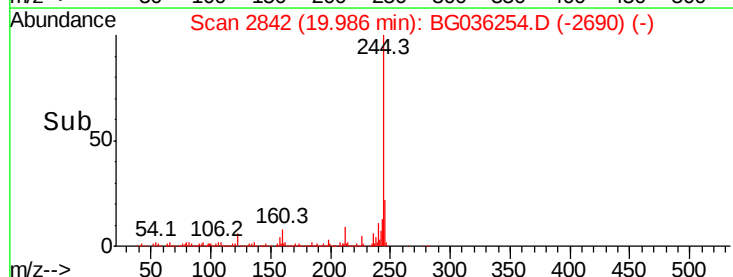
183 10.4 10.6 16.0#

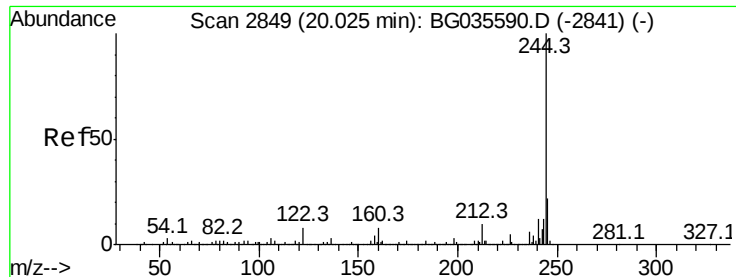


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

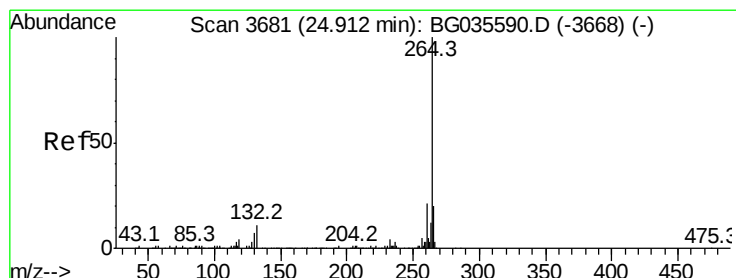
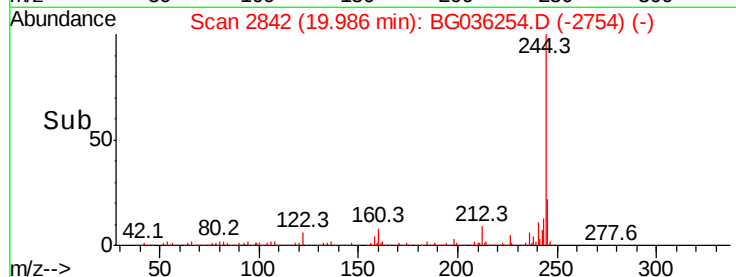
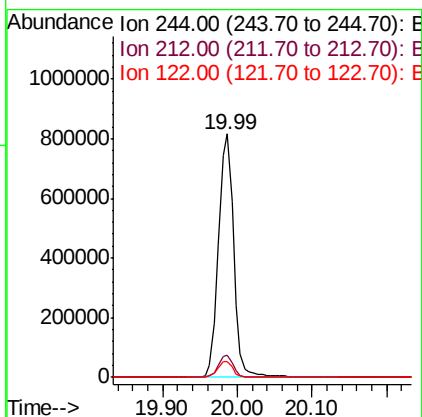
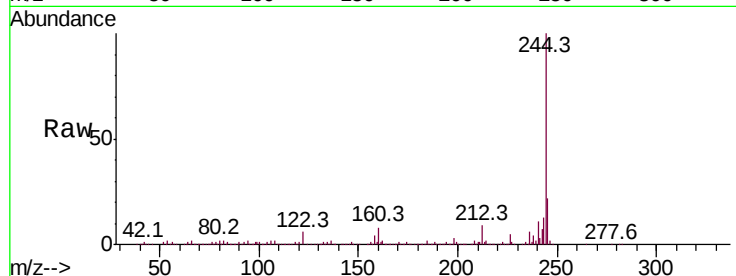




#78
 Terphenyl-d14
 Concen: 109.928 ng
 RT: 19.99 min Scan# 2842
 Delta R.T. -0.02 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1154842
 Ion Ratio Lower Upper
 244 100
 212 9.2 5.8 8.8#
 122 6.4 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3666
 Delta R.T. -0.03 min
 Lab File: BG036254.D
 Acq: 10 Aug 2018 5:25

Tgt Ion:264 Resp: 212368
 Ion Ratio Lower Upper
 264 100
 260 20.8 17.4 26.0
 265 19.7 17.7 26.5

