

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036173.D
 Acq On : 7 Aug 2018 22:20
 Operator : JU/SJ
 Sample : J4330-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 01:05:15 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

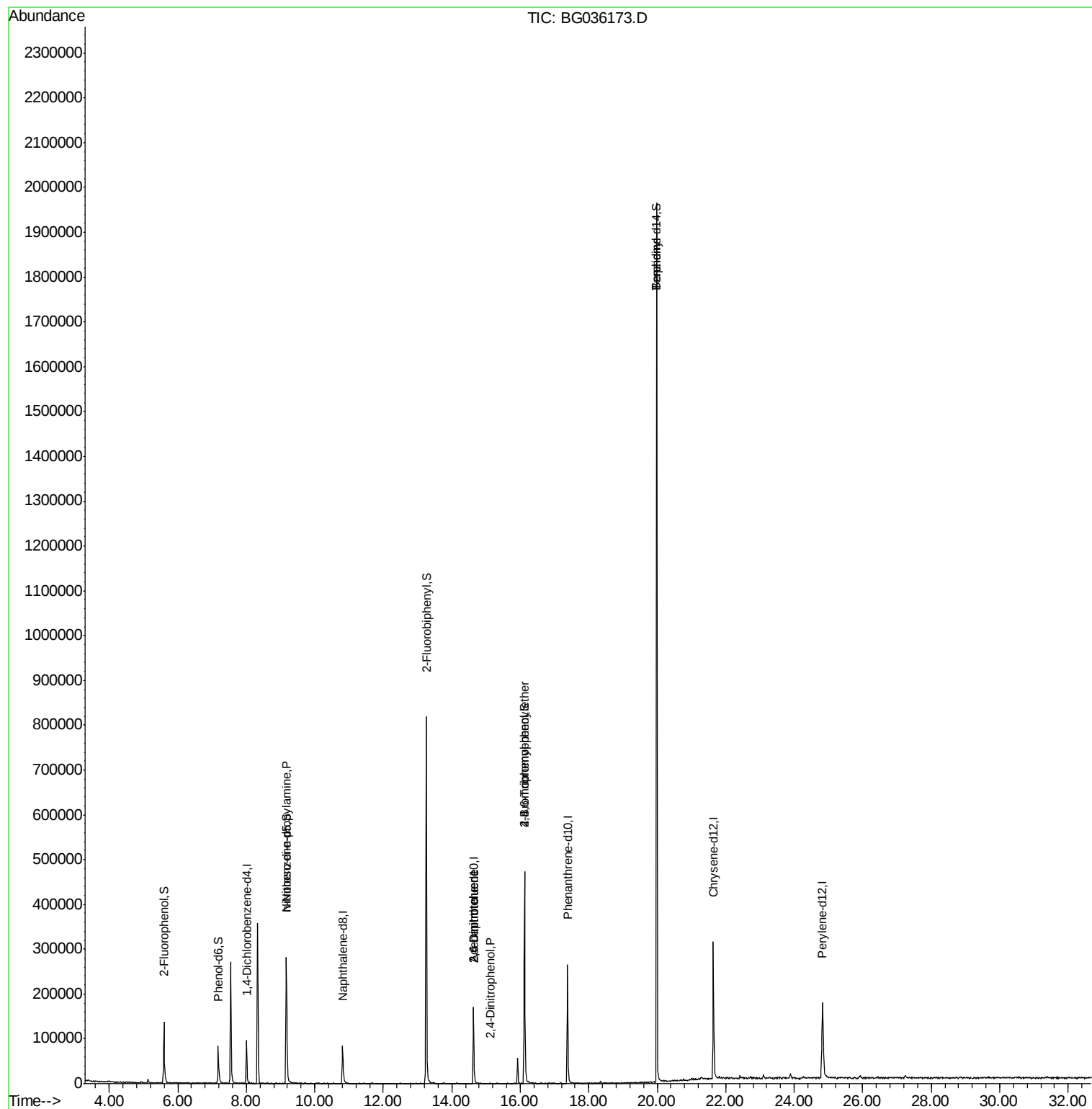
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27329	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	93274	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	67769	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	198208	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	223445	20.00	ng	-0.02
86) Perylene-d12	24.82	264	208242	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	67816	41.20	ng	0.00
7) Phenol-d6	7.18	99	58837	23.96	ng	-0.01
23) Nitrobenzene-d5	9.17	82	218964	98.07	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	100706	112.74	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	483681	95.62	ng	-0.02
78) Terphenyl-d14	19.99	244	982916	96.97	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	30461	14.729	ng	# 68
50) 2,6-Dinitrotoluene	14.63	165	9555	7.903	ng	# 18
53) 2,4-Dinitrophenol	15.12	184	59	6.669	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	9555	5.508	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	8618	3.748	ng	# 1
76) Benzidine	19.98	184	16570	2.821	ng	# 93

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

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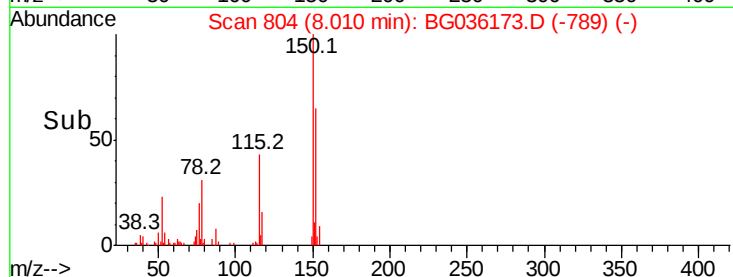
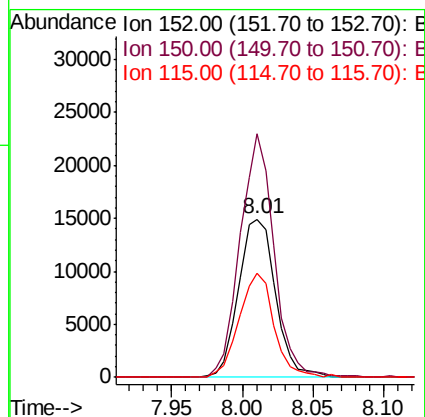
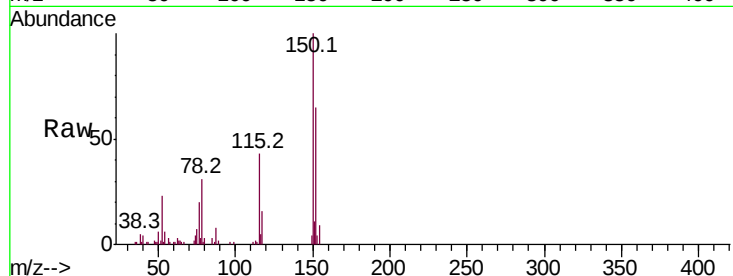


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

Instrument :
BNA_G
ClientSampleId :

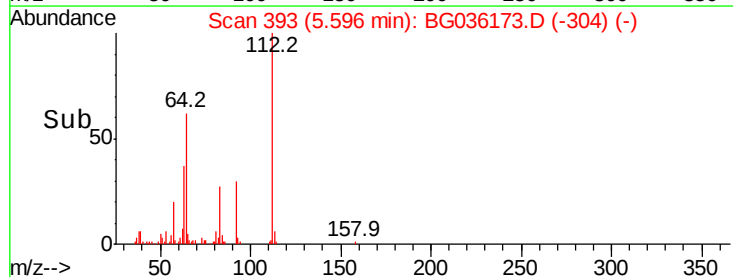
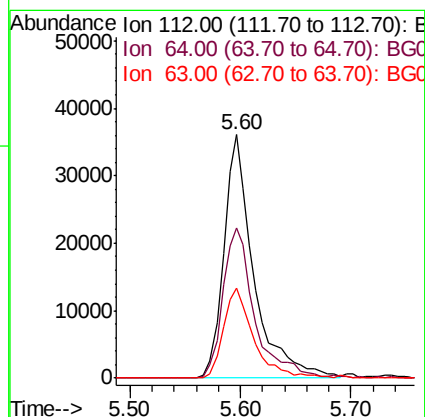
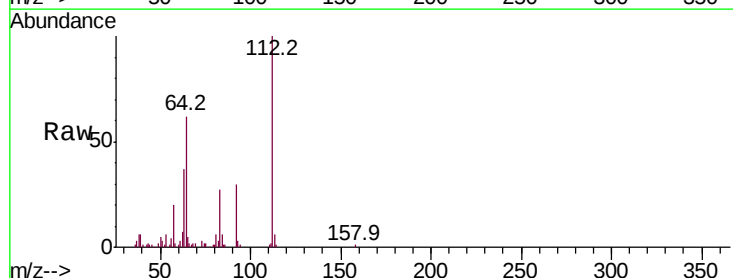
Tot Ion:152 Resp: 27329
Ion Ratio Lower Upper
152 100
150 153.7 126.6 189.8
115 65.4 53.0 79.4



#5

2-Fluorophenol
Concen: 41.198 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

Tgt Ion:112 Resp: 67816
Ion Ratio Lower Upper
112 100
64 61.5 56.3 84.5
63 36.7 30.1 45.1





#7

Phenol-d6

Concen: 23.957 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

Instrument :

BNA_G

ClientSampleId :

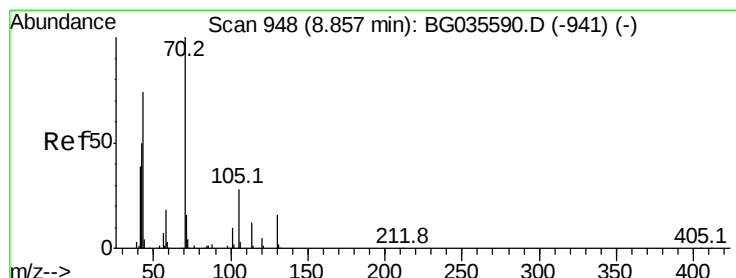
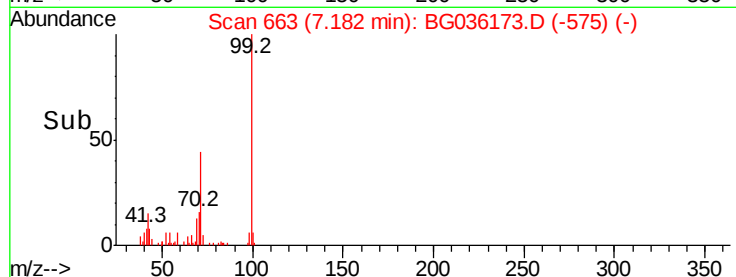
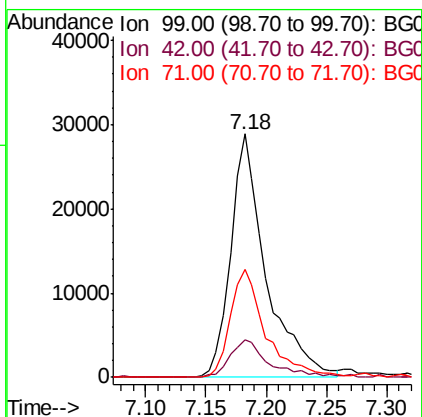
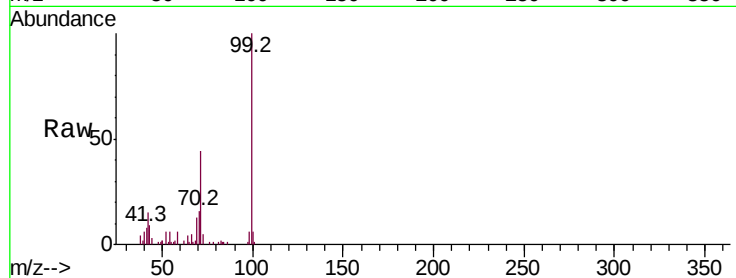
Tot Ion: 99 Resp: 58837

Ion Ratio Lower Upper

99 100

42 15.4 14.1 21.1

71 44.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.729 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

Tgt Ion: 70 Resp: 30461

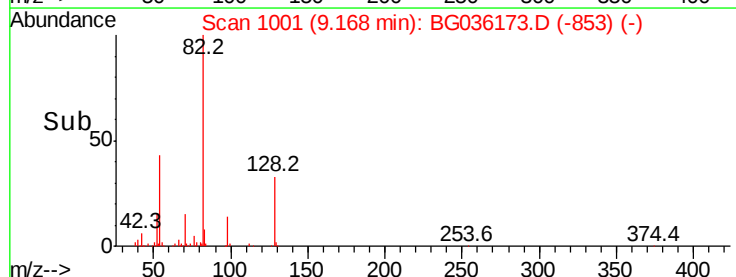
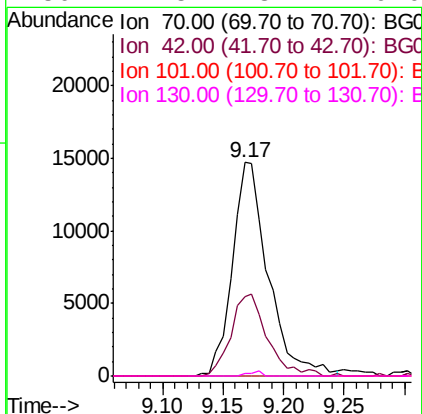
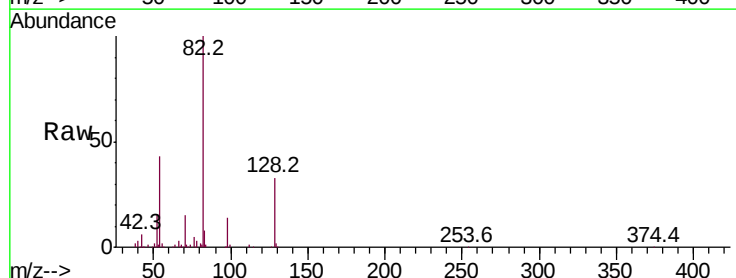
Ion Ratio Lower Upper

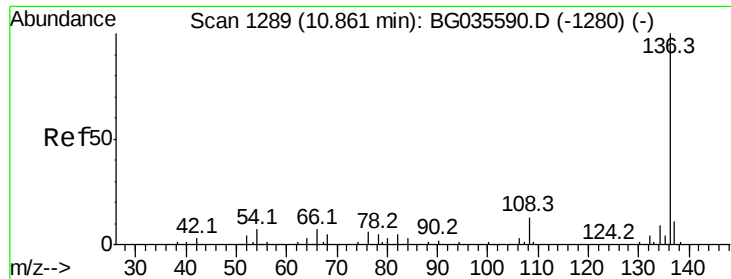
70 100

42 37.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#

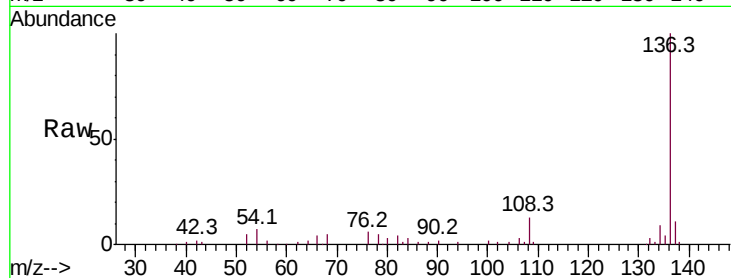




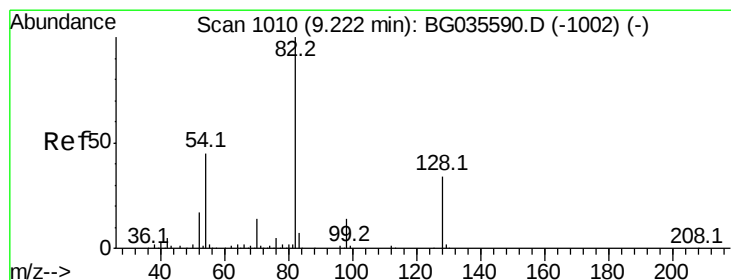
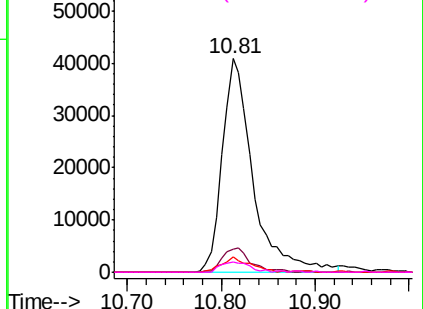
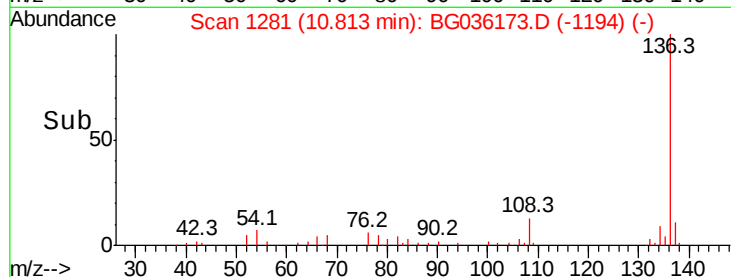
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	93274
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.2 13.8
54	7.3	10.3 15.5#
68	4.7	4.5 6.7

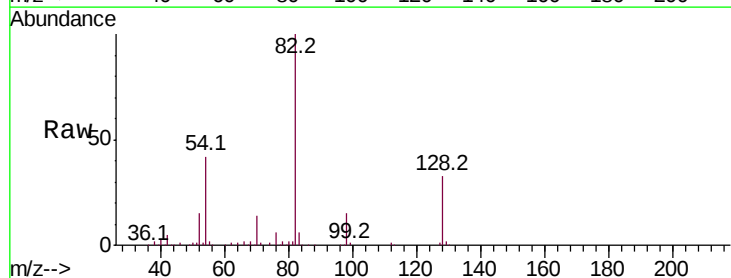


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

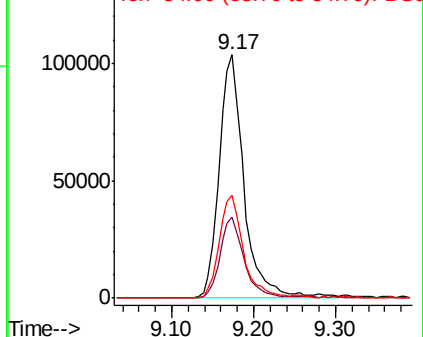
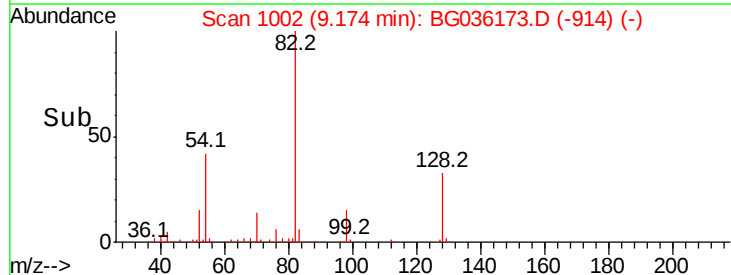


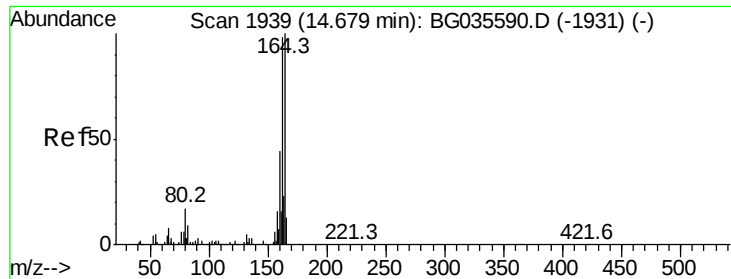
#23
Nitrobenzene-d5
Concen: 98.068 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

Tgt Ion: 82	Resp:	218964
Ion Ratio	Lower	Upper
82	100	
128	33.1	29.7 44.5
54	42.1	43.1 64.7#



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: 14.64 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

Instrument :

BNA_G

ClientSampleId :

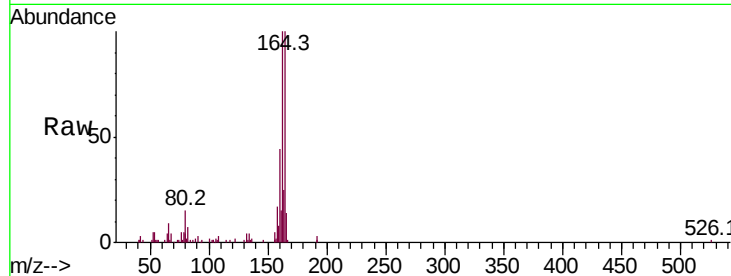
Tot Ion:164 Resp: 67769

Ion Ratio Lower Upper

164 100

162 100.2 78.8 118.2

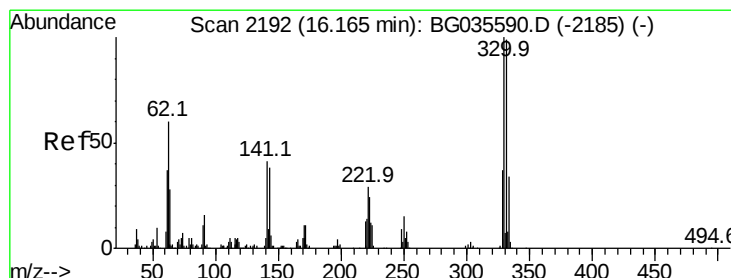
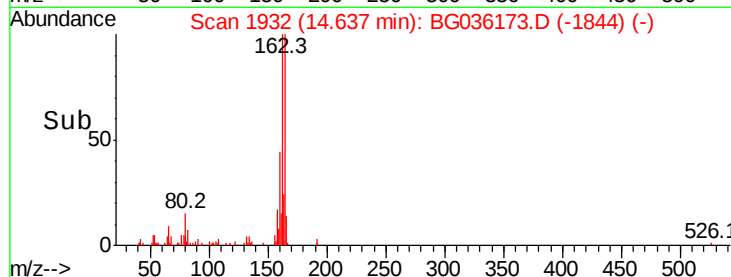
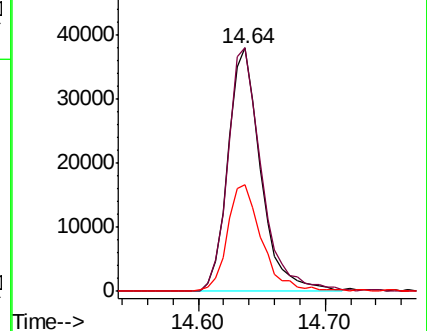
160 43.7 35.4 53.0



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: 112.742 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

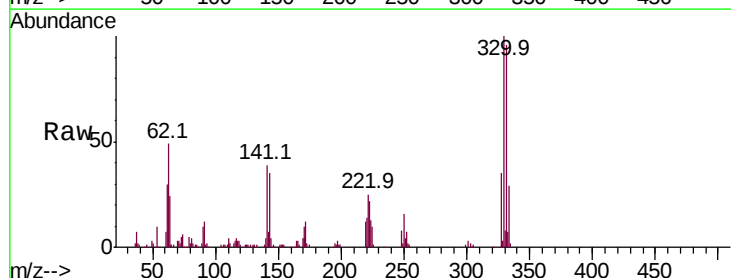
Tgt Ion:330 Resp: 100706

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

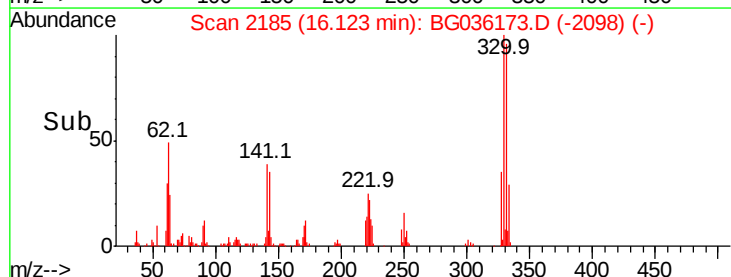
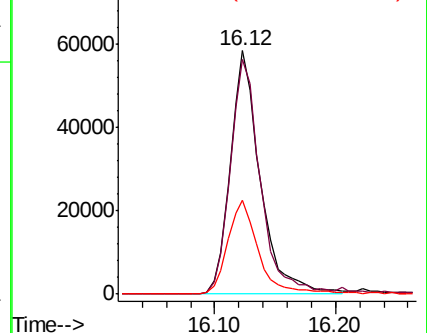
141 39.2 25.2 37.8#

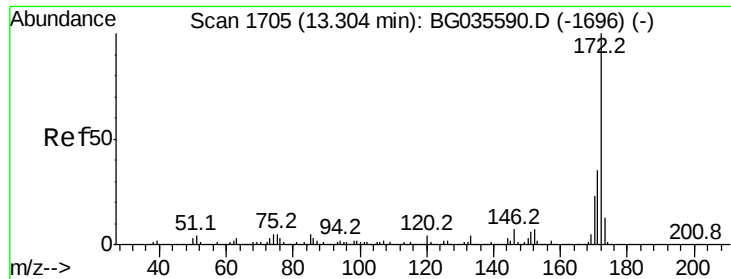


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

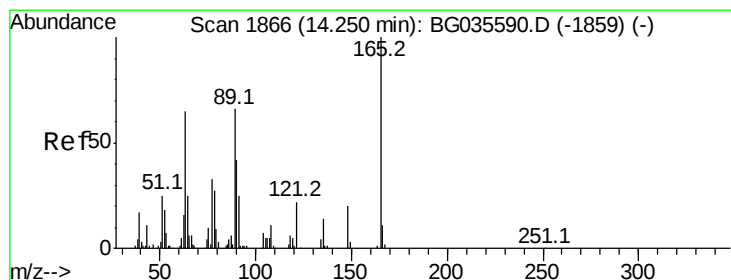
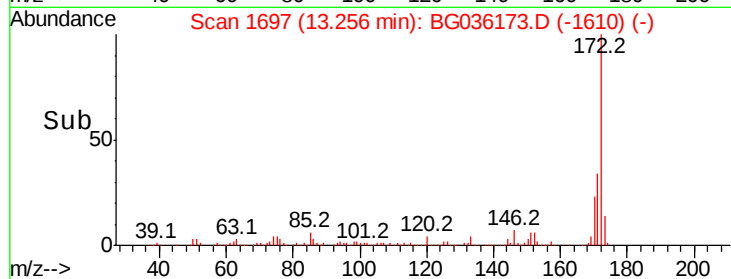
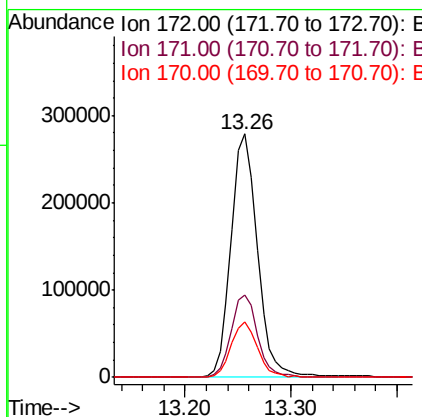
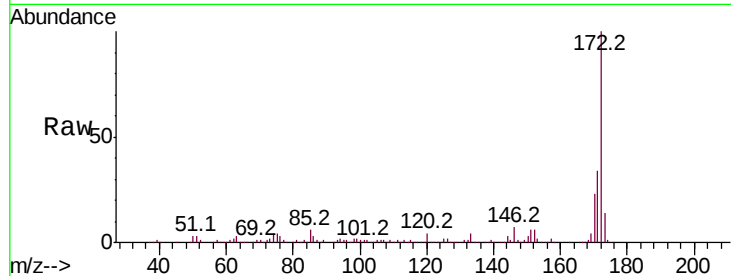




#44
 2-Fluorobiphenyl
 Concen: 95.620 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

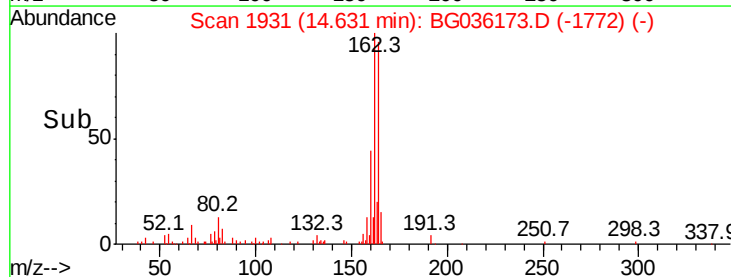
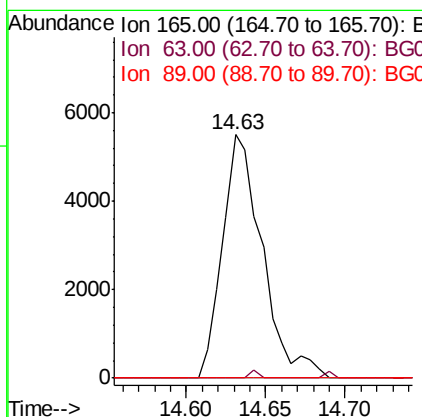
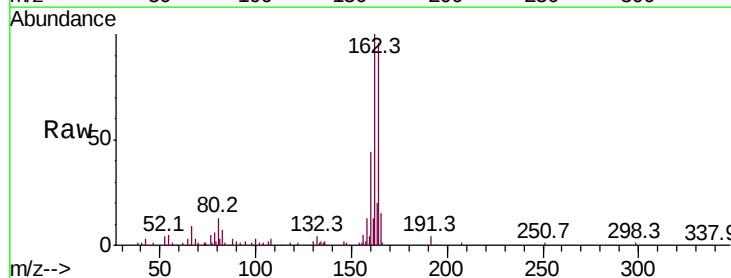
Instrument :
 BNA_G
 ClientSampleId :

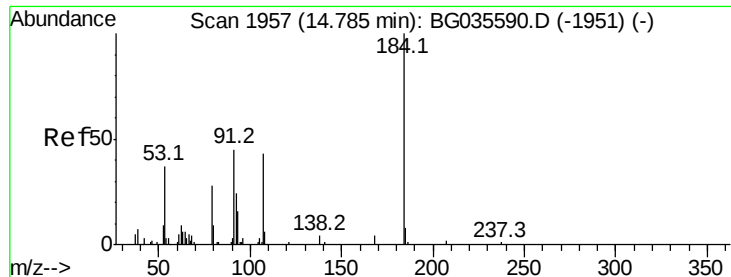
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.0	45.0
170	22.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.903 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

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

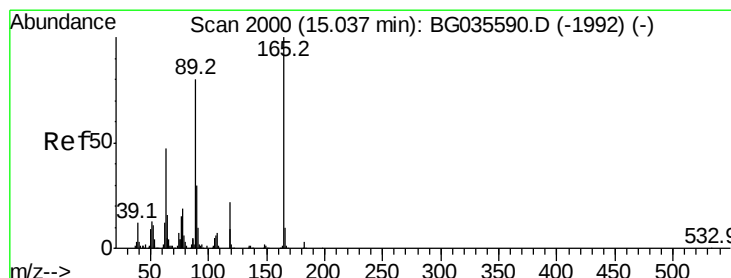
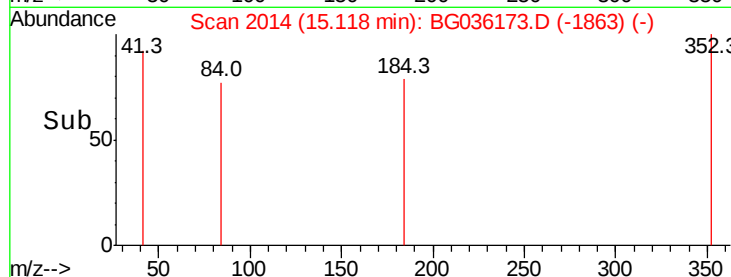
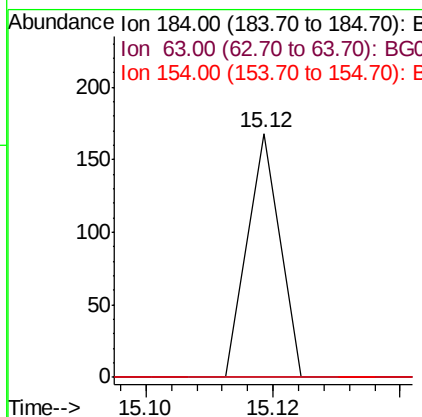
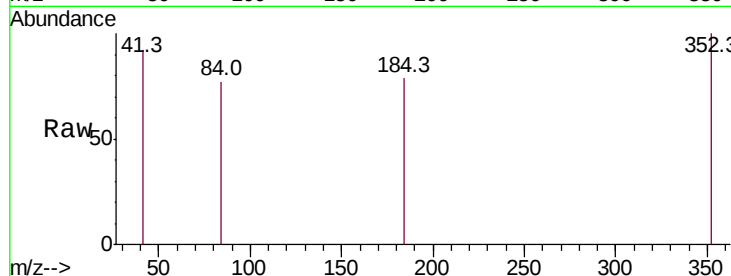




#53
2,4-Dinitrophenol
Concen: 6.669 ng
RT: 15.12 min Scan# 2014
Delta R.T. 0.36 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

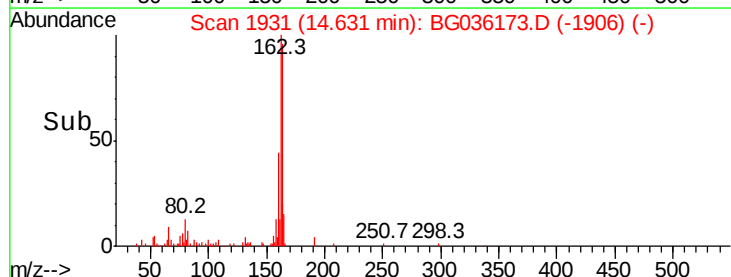
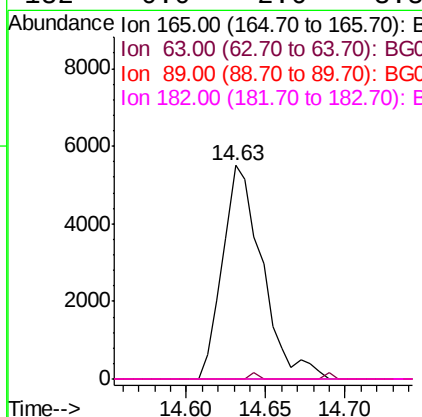
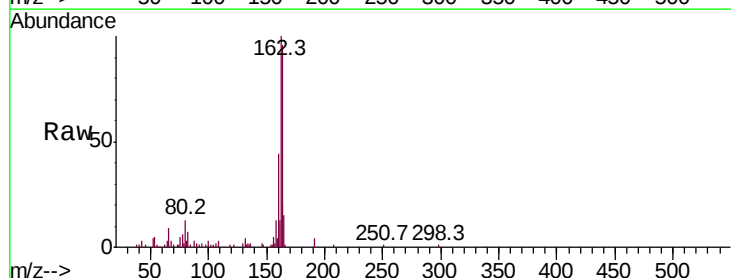
Instrument :
BNA_G
ClientSampleId :

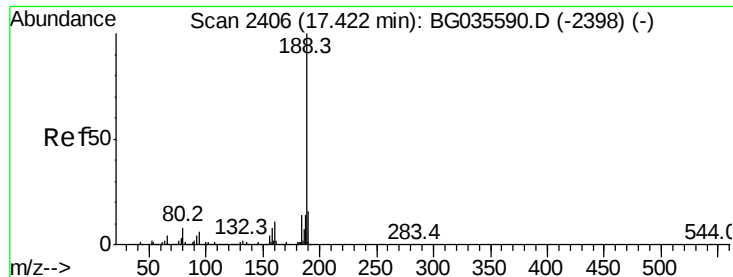
Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#



#56
2,4-Dinitrotoluene
Concen: 5.508 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036173.D
Acq: 7 Aug 2018 22:20

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

Instrument :

BNA_G

ClientSampled :

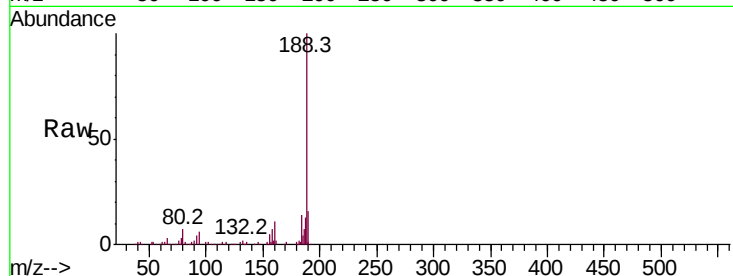
Tot Ion:188 Resp: 198208

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

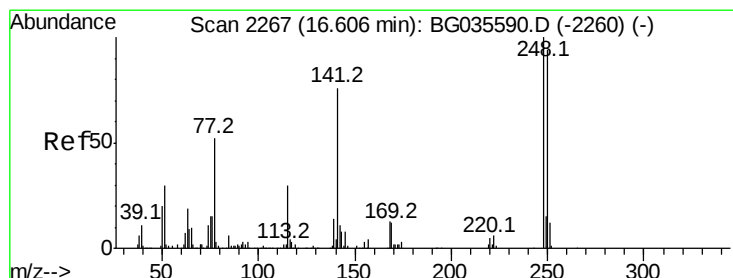
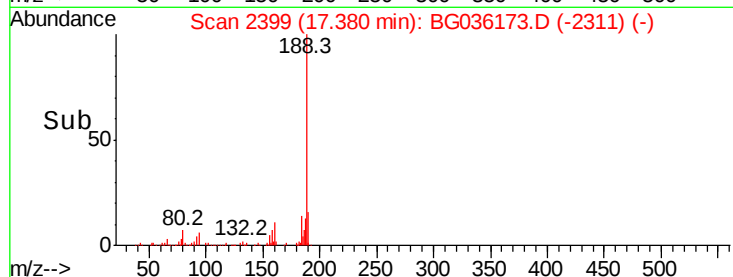
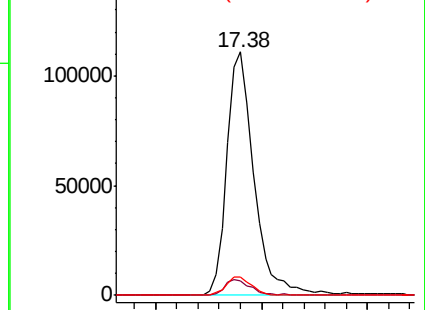
80 7.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

150000 Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 3.748 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036173.D

Acq: 7 Aug 2018 22:20

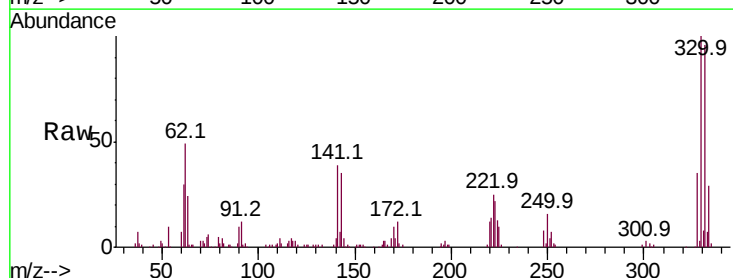
Tgt Ion:248 Resp: 8618

Ion Ratio Lower Upper

248 100

250 201.4 77.1 115.7#

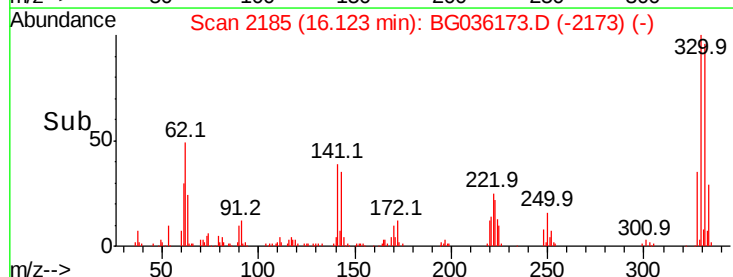
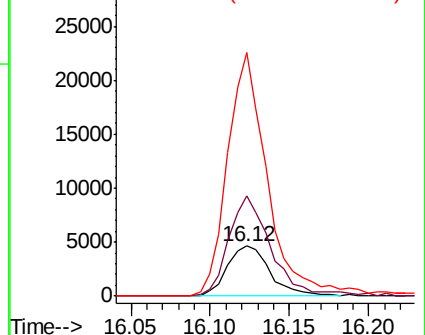
141 489.2 50.8 76.2#

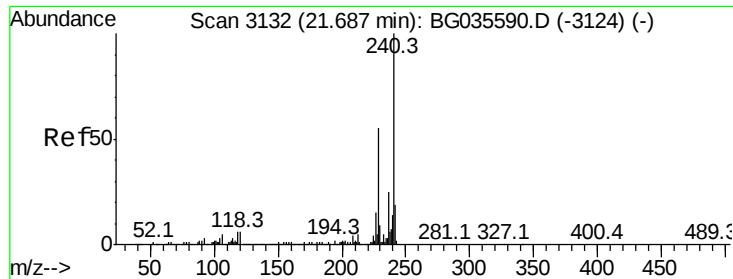


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

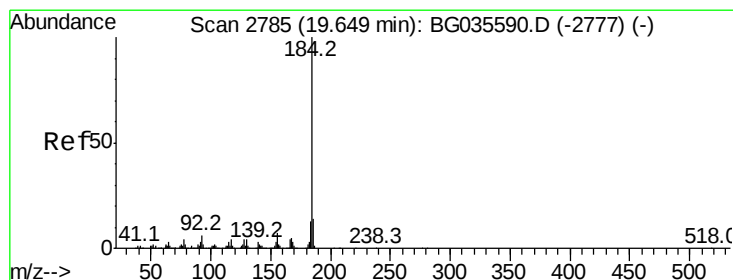
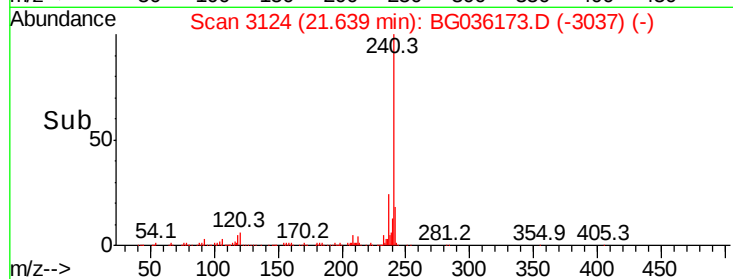
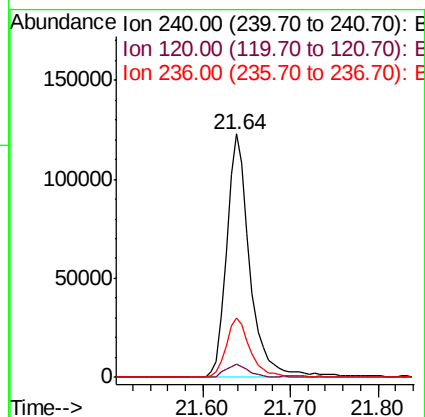
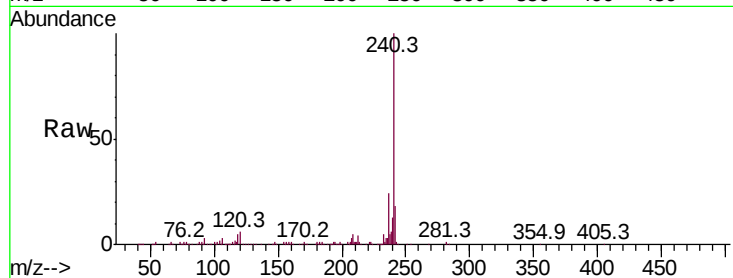




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

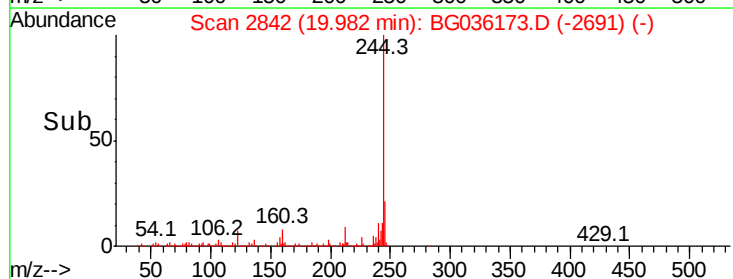
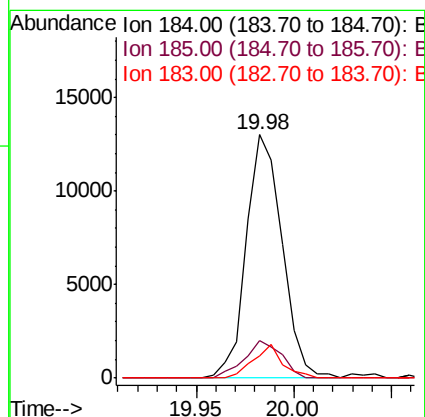
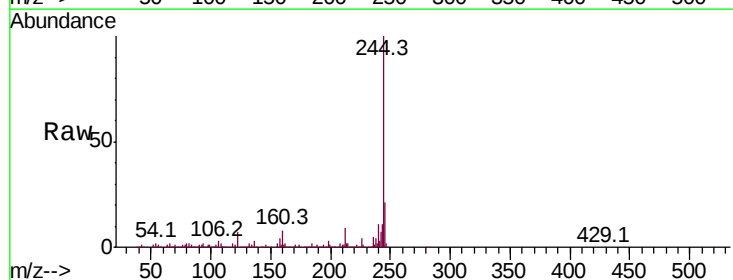
Instrument :
 BNA_G
 ClientSampleId :

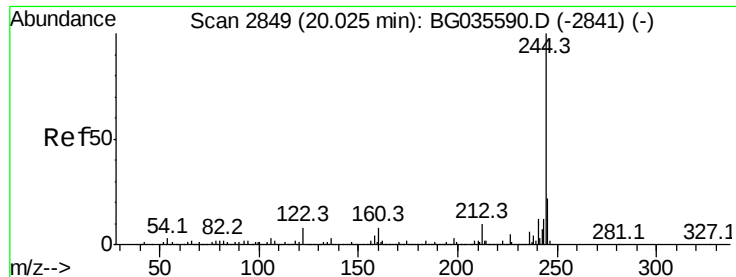
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.8	10.2#
236	24.3	20.9	31.3



#76
 Benzidine
 Concen: 2.821 ng
 RT: 19.98 min Scan# 2842
 Delta R.T. 0.36 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.1	16.7
183	9.1	10.6	16.0#

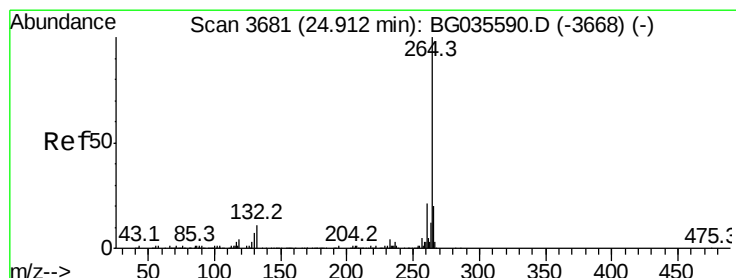
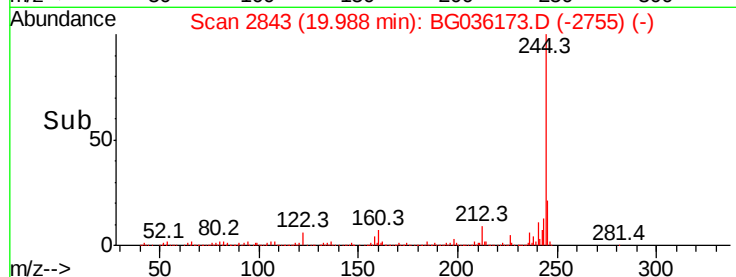
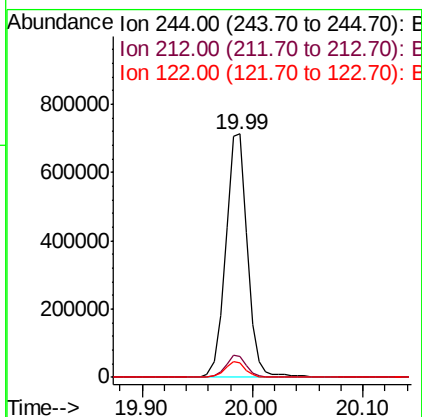
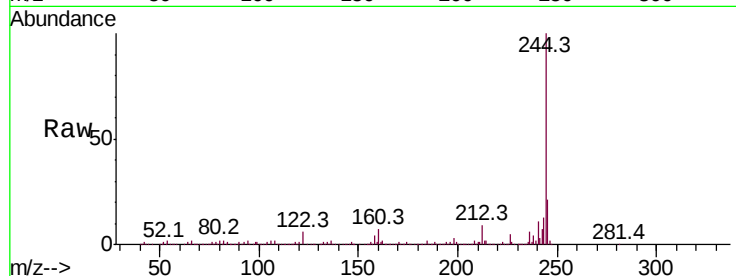




#78
 Terphenyl-d14
 Concen: 96.965 ng
 RT: 19.99 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	6.2	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3666
 Delta R.T. -0.04 min
 Lab File: BG036173.D
 Acq: 7 Aug 2018 22:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	19.7	17.7	26.5

