

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
 Data File : BG036239.D
 Acq On : 9 Aug 2018 18:56
 Operator : JU/SJ
 Sample : J4379-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 10 04:25:27 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

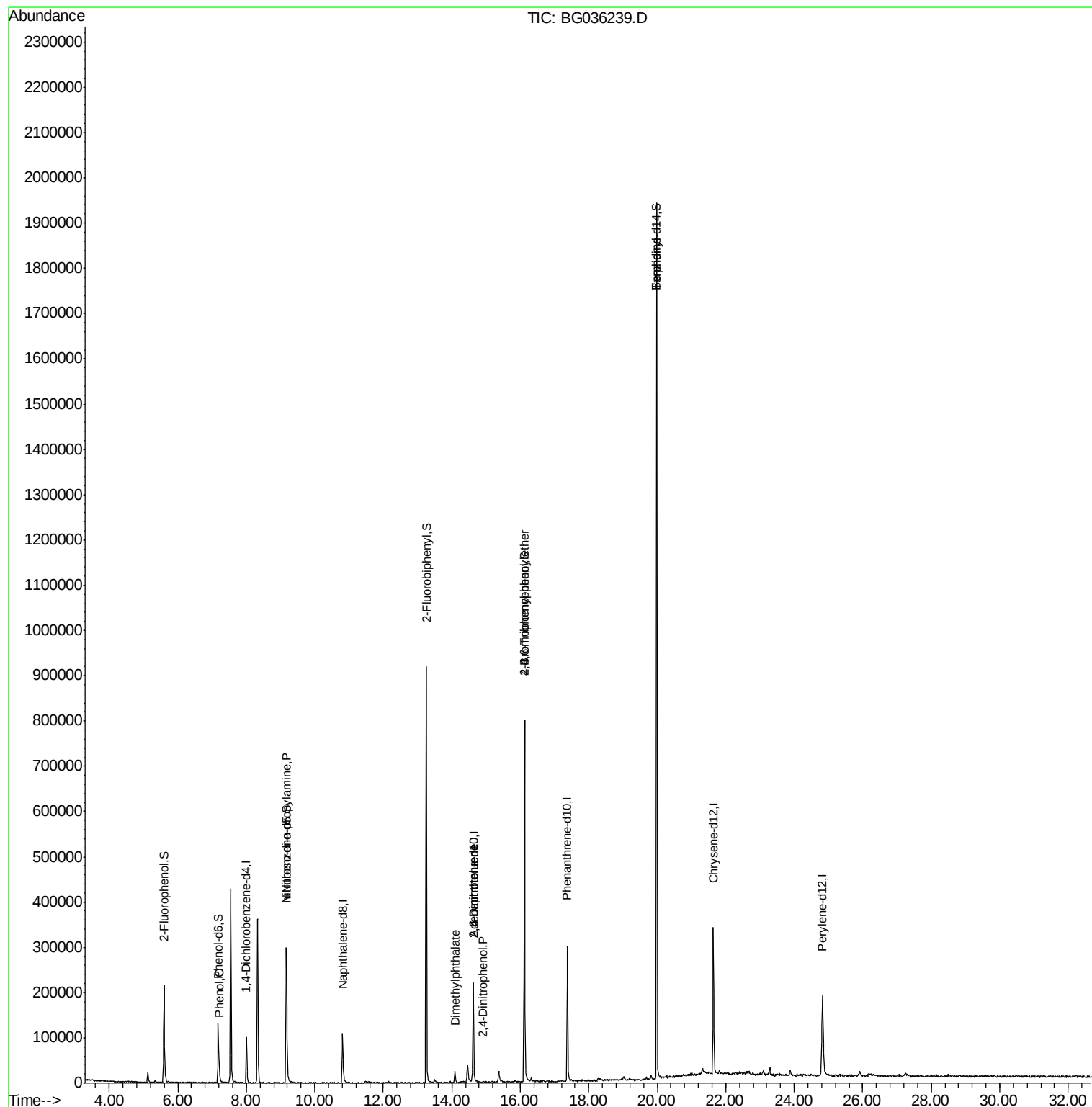
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	30372	20.00	ng	-0.02
21) Naphthalene-d8	10.81	136	108809	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	77684	20.00	ng	-0.02
63) Phenanthrene-d10	17.37	188	211519	20.00	ng	-0.02
75) Chrysene-d12	21.64	240	219282	20.00	ng	-0.02
86) Perylene-d12	24.82	264	207937	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	104588	57.17	ng	0.00
7) Phenol-d6	7.18	99	90274	33.07	ng	-0.01
23) Nitrobenzene-d5	9.17	82	228127	87.58	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	159580	155.85	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	518980	89.50	ng	-0.02
78) Terphenyl-d14	19.98	244	966600	97.17	ng	-0.02
Target Compounds						
10) Phenol	7.21	94	7361	2.669	ng	# 66
19) n-Nitroso-di-n-propylamine	9.17	70	33241	14.463	ng	# 70
49) Dimethylphthalate	14.09	163	20921	3.074	ng	# 93
50) 2,6-Dinitrotoluene	14.63	165	11240	8.110	ng	# 23
53) 2,4-Dinitrophenol	14.89	184	67	6.668	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	11240	5.653	ng	# 20
66) 4-Bromophenyl-phenylether	16.12	248	13048	5.317	ng	# 1
76) Benzidine	19.98	184	16749	2.905	ng	# 92

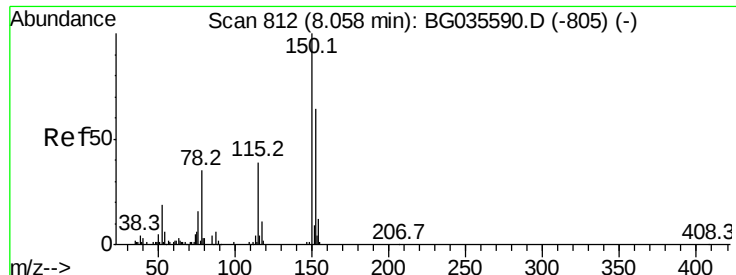
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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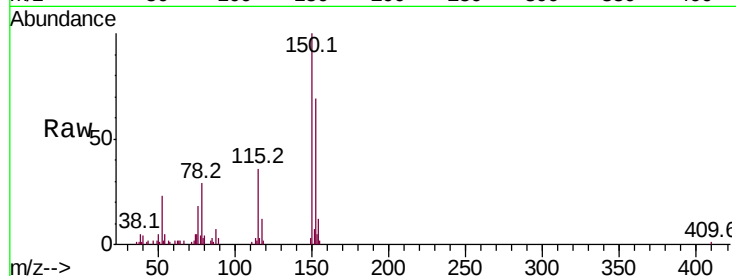


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 803
Delta R.T. -0.02 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.5	126.6	189.8
115	52.1	53.0	79.4

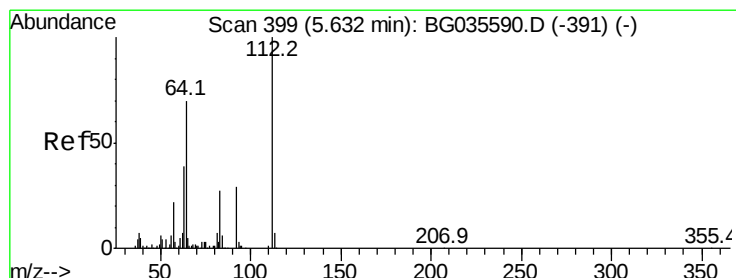
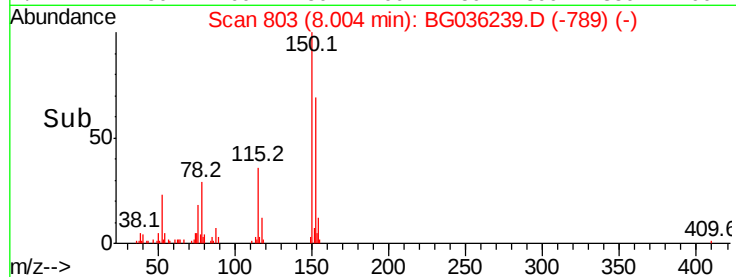
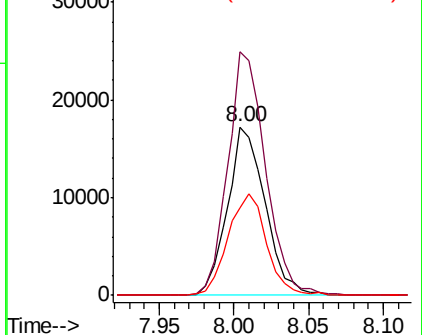


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

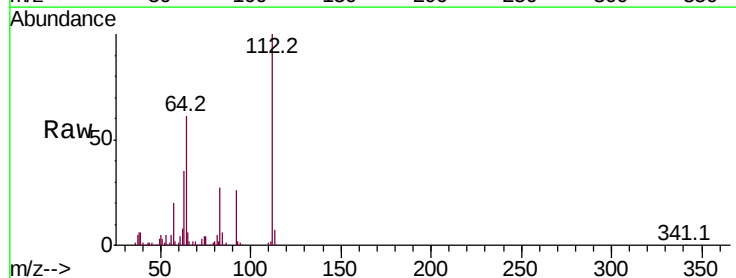
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 57.171 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	56.3	84.5
63	35.3	30.1	45.1

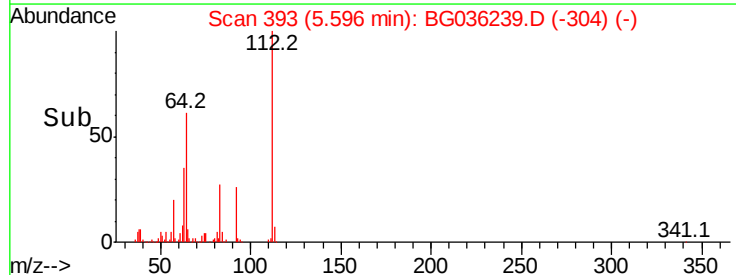
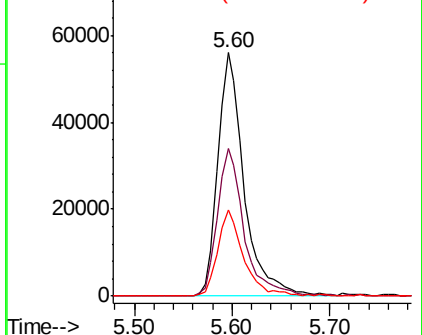


Abundance

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: 33.075 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

Instrument :

BNA_G

ClientSampled :

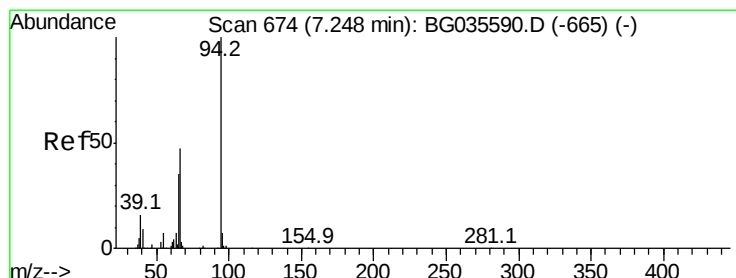
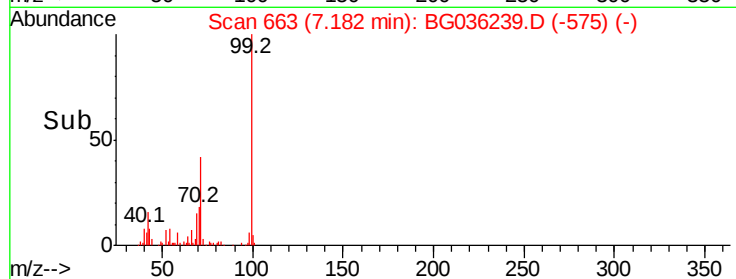
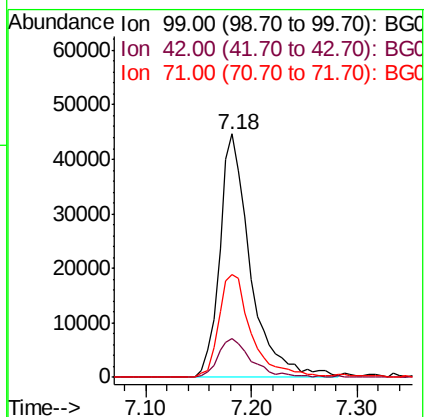
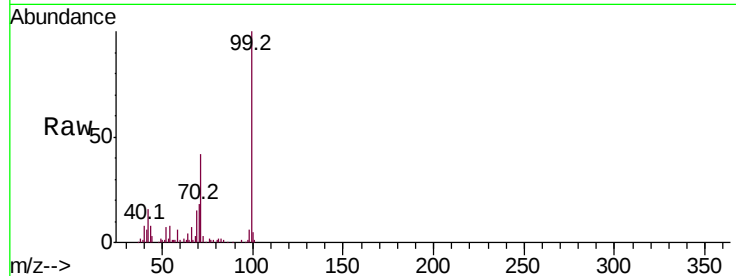
Tot Ion: 99 Resp: 90274

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 42.1 26.1 39.1#



#10

Phenol

Concen: 2.669 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

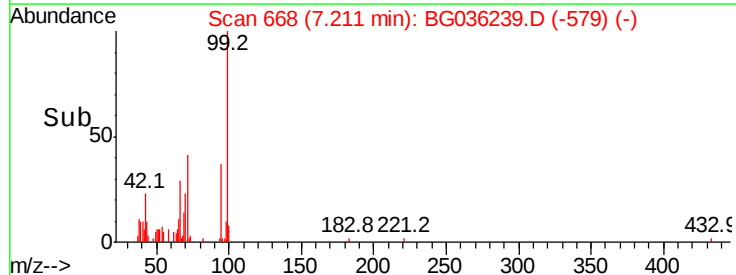
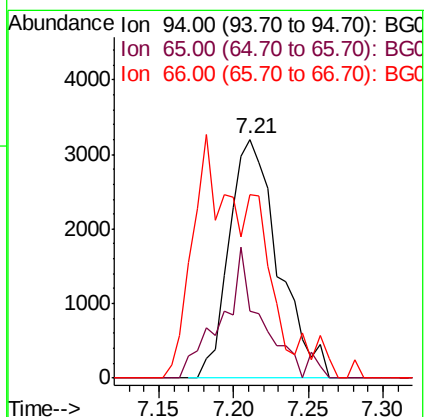
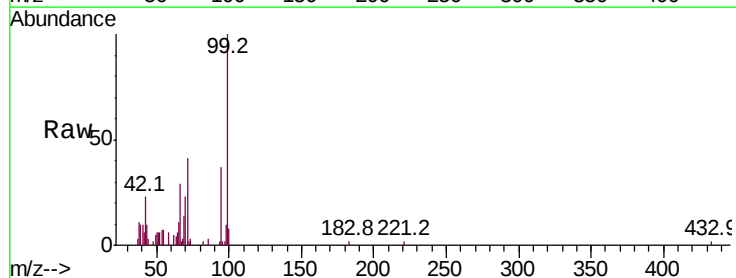
Tgt Ion: 94 Resp: 7361

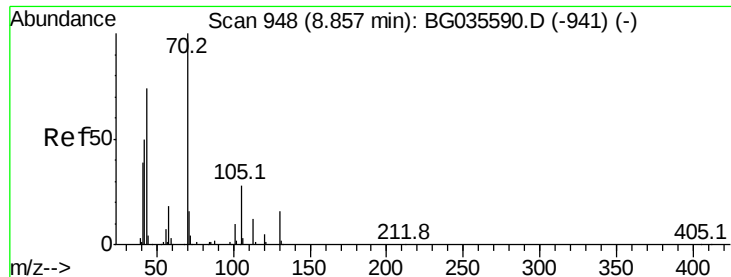
Ion Ratio Lower Upper

94 100

65 28.2 11.9 51.9

66 76.8 22.2 62.2#

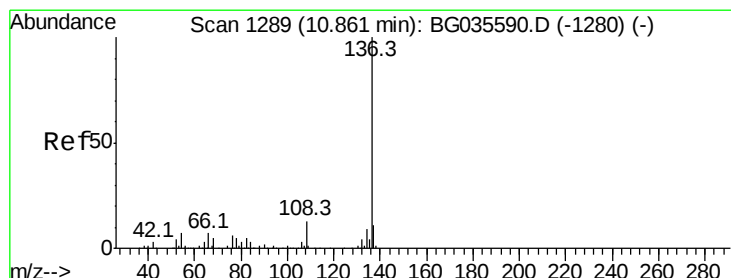
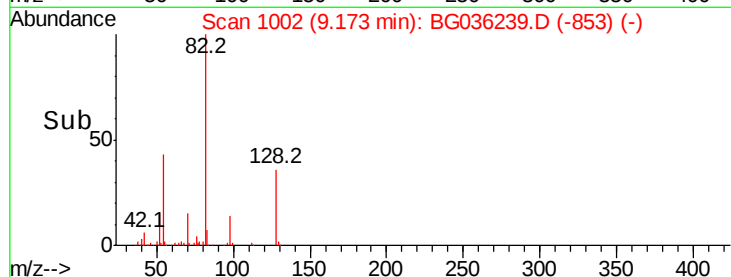
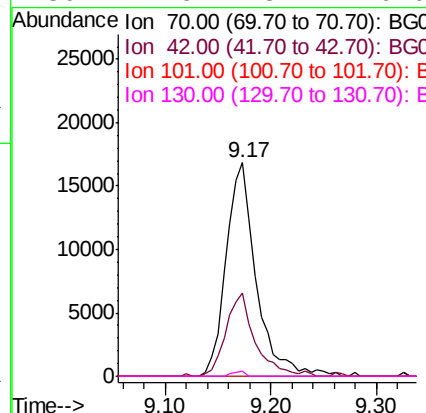
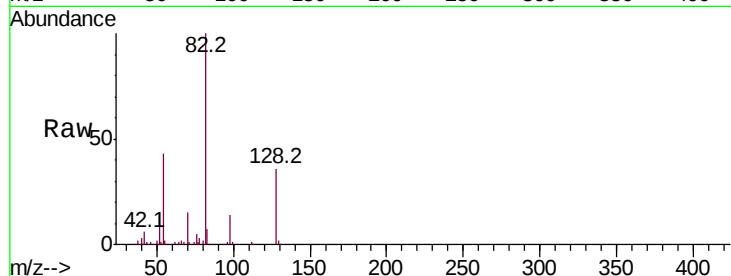




#19
n-Nitroso-di-n-propylamine
Concen: 14.463 ng
RT: 9.17 min Scan# 1002
Delta R.T. 0.34 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

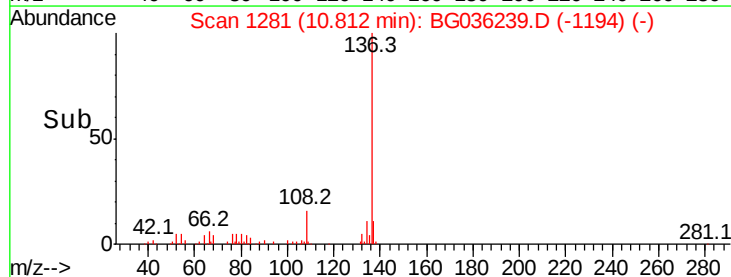
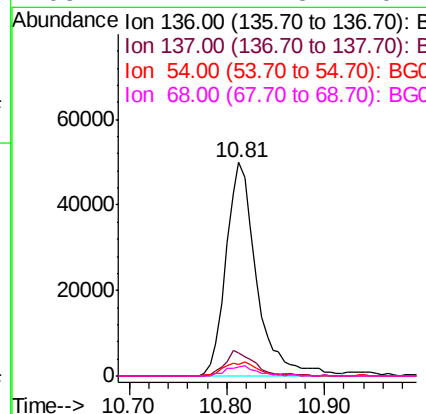
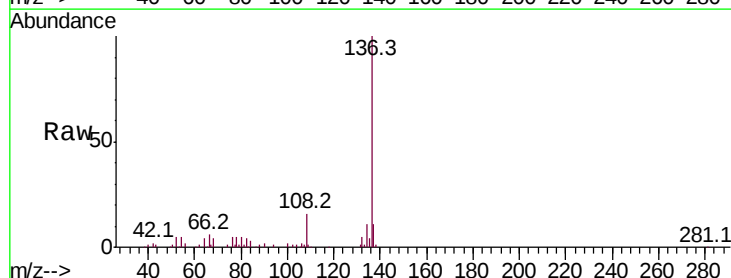
Instrument :
BNA_G
ClientSampleId :

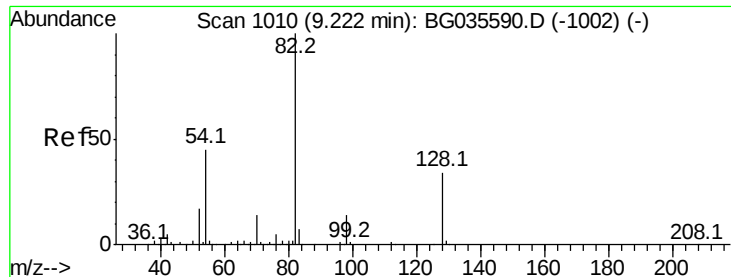
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.9	49.1	73.7#
101	0.0	8.5	12.7#
130	2.6	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	5.2	10.3	15.5#
68	4.2	4.5	6.7#

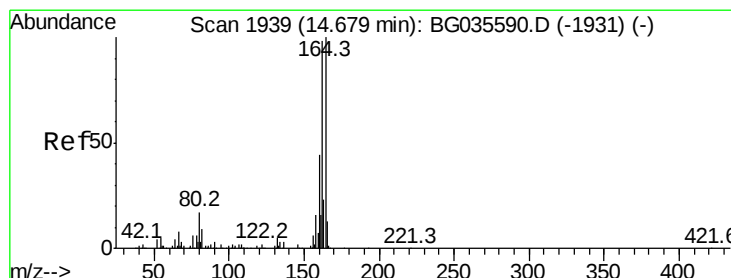
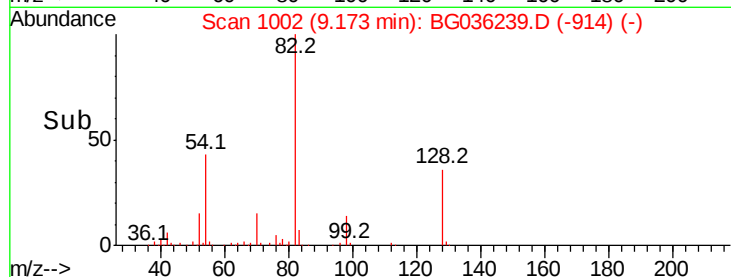
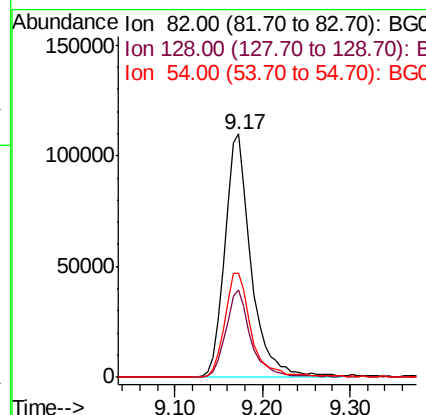
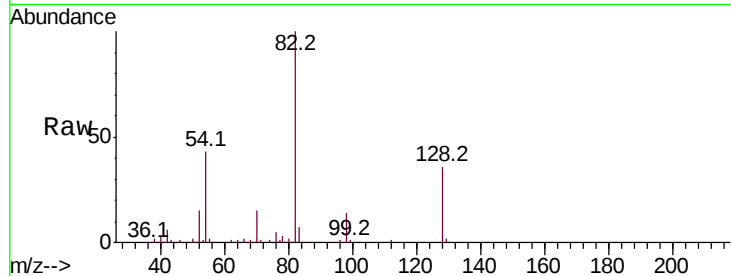




#23
 Nitrobenzene-d5
 Concen: 87.584 ng
 RT: 9.17 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BG036239.D
 Acq: 9 Aug 2018 18:56

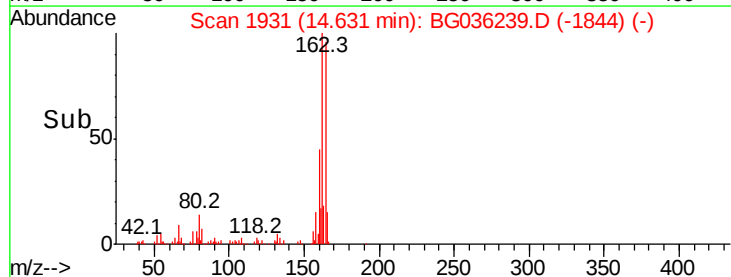
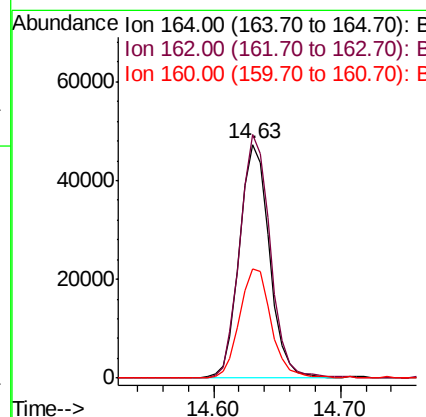
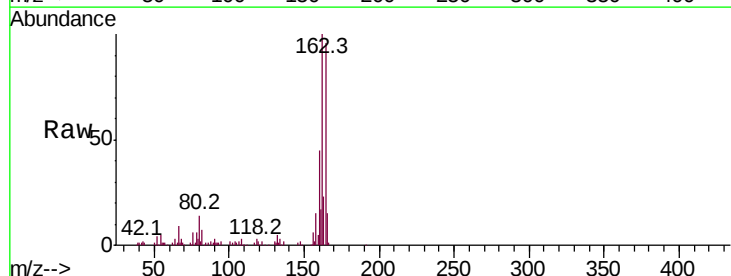
Instrument :
 BNA_G
 ClientSampled :

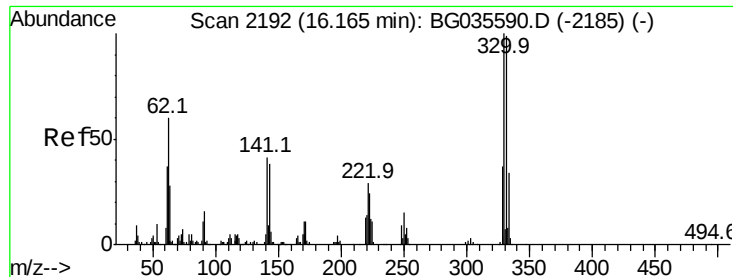
Tot Ion	82	Resp	228127
Ion Ratio	100	Lower	Upper
128	36.1	29.7	44.5
54	42.5	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036239.D
 Acq: 9 Aug 2018 18:56

Tgt Ion	164	Resp	77684
Ion Ratio	100	Lower	Upper
162	104.1	78.8	118.2
160	46.9	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 155.851 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

Instrument :

BNA_G

ClientSampleId :

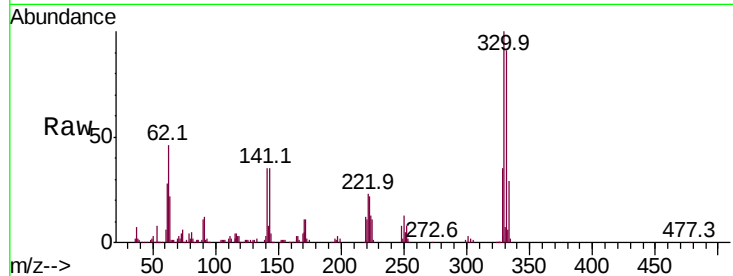
Tot Ion:330 Resp: 159580

Ion Ratio Lower Upper

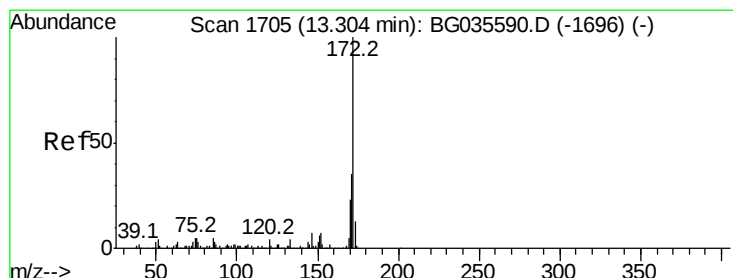
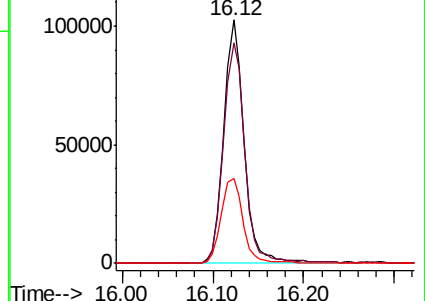
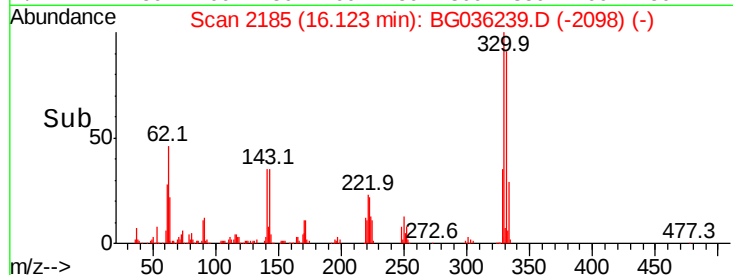
330 100

332 94.7 77.0 115.6

141 37.6 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: 89.503 ng

RT: 13.26 min Scan# 1697

Delta R.T. -0.02 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

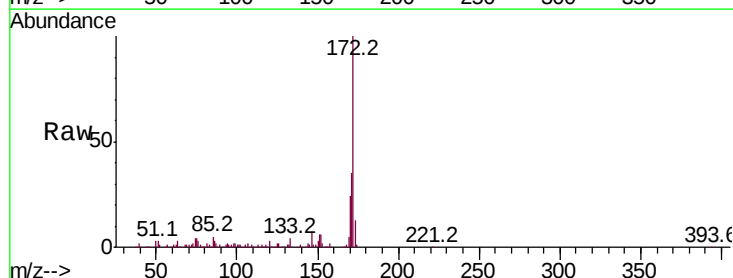
Tgt Ion:172 Resp: 518980

Ion Ratio Lower Upper

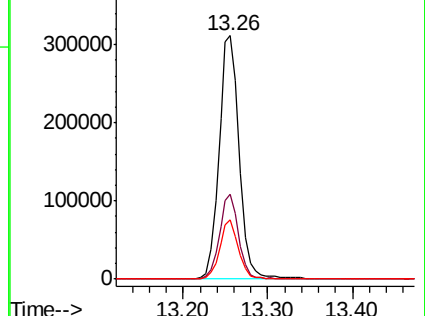
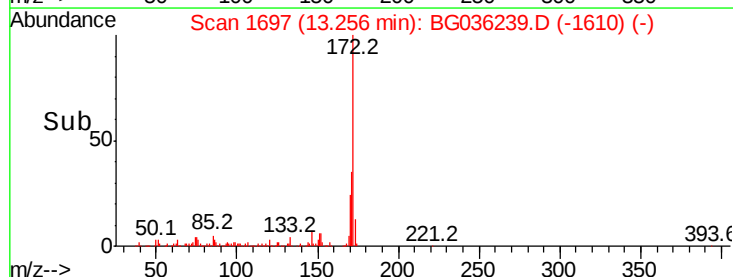
172 100

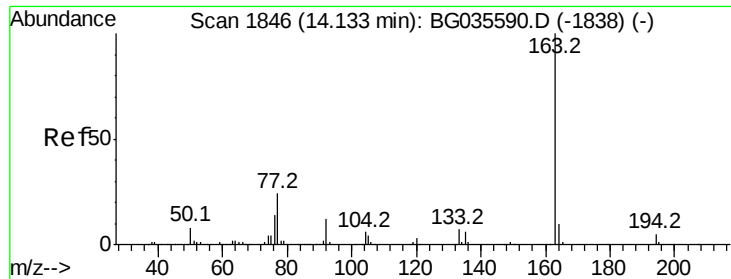
171 35.1 30.0 45.0

170 24.1 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





#49

Dimethylphthalate

Concen: 3.074 ng

RT: 14.09 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

Instrument :

BNA_G

ClientSampled :

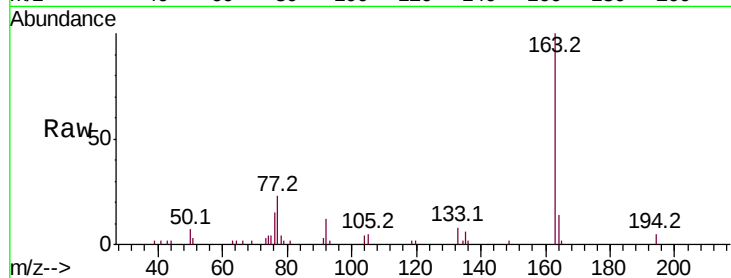
Tot Ion:163 Resp: 20921

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.2#

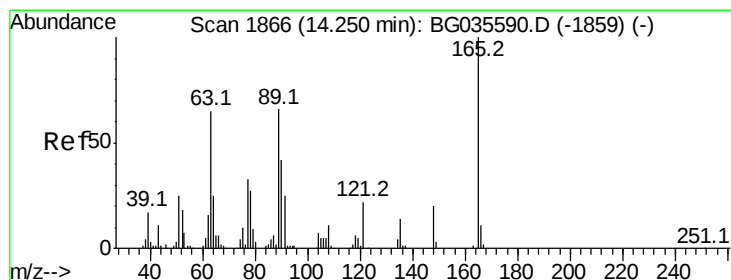
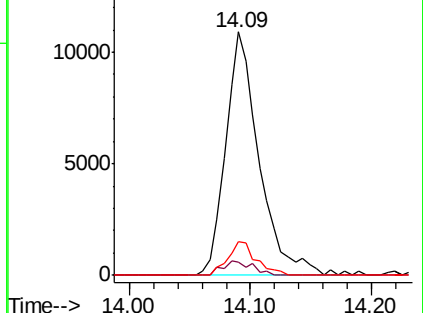
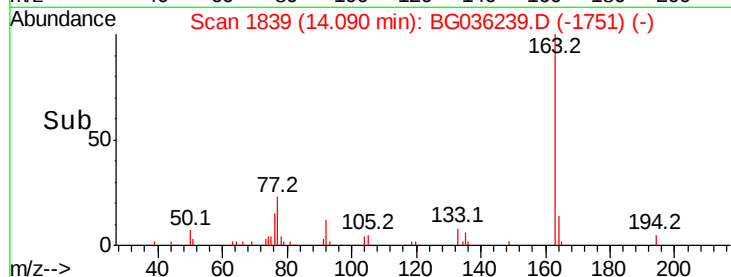
164 13.6 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.110 ng

RT: 14.63 min Scan# 1931

Delta R.T. 0.40 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

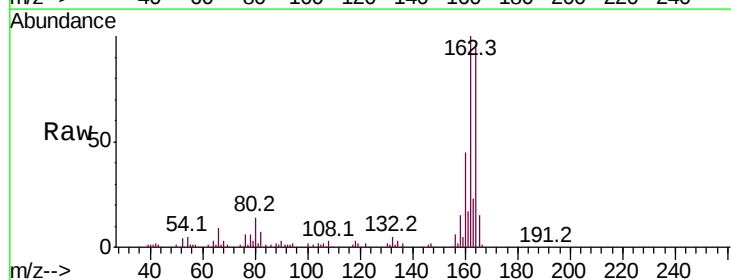
Tgt Ion:165 Resp: 11240

Ion Ratio Lower Upper

165 100

63 3.3 52.7 79.1#

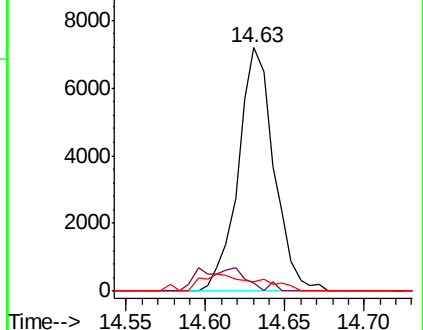
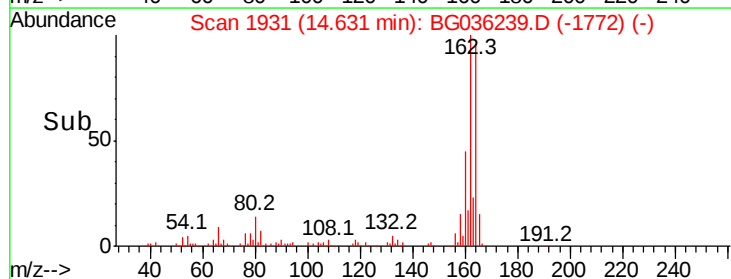
89 3.7 49.2 73.8#

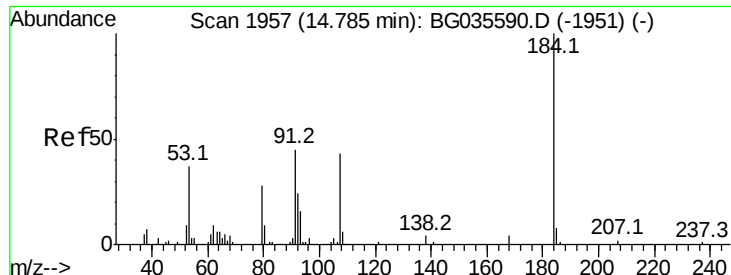


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

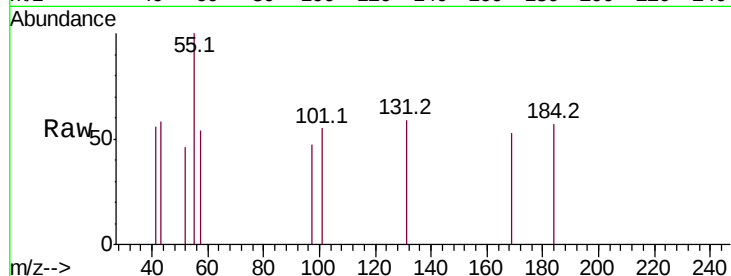




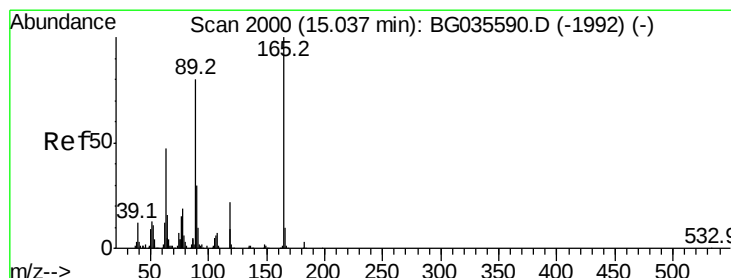
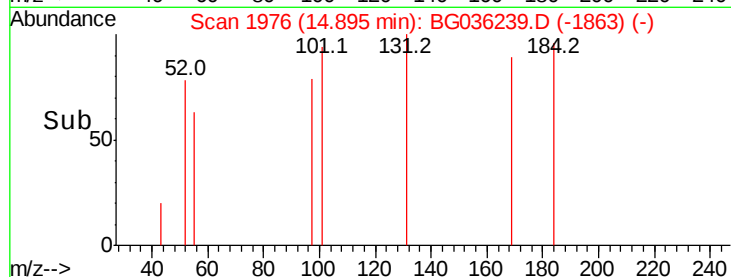
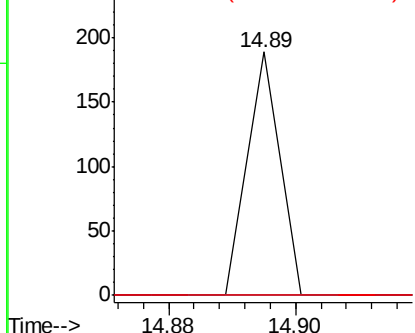
#53
2,4-Dinitrophenol
Concen: 6.668 ng
RT: 14.89 min Scan# 1976
Delta R.T. 0.13 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#

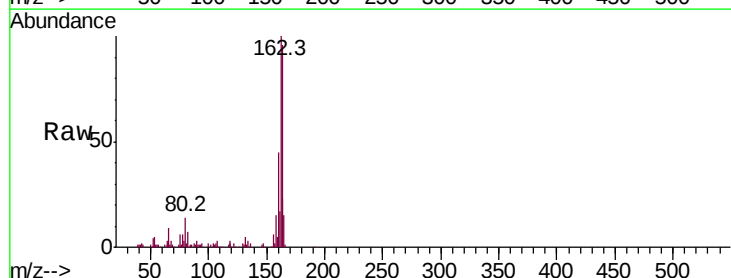


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

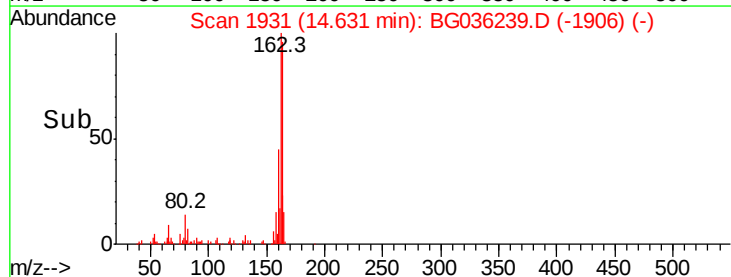
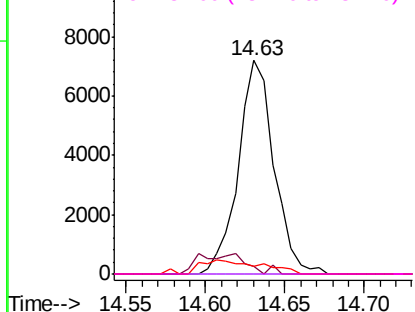


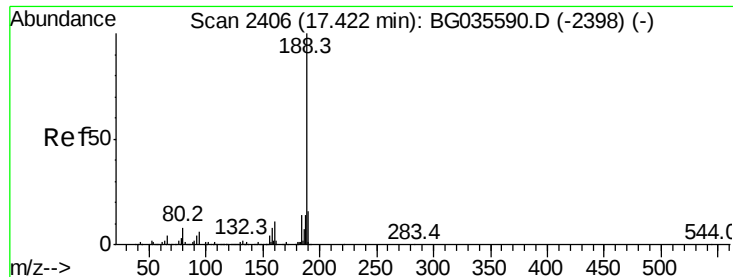
#56
2,4-Dinitrotoluene
Concen: 5.653 ng
RT: 14.63 min Scan# 1931
Delta R.T. -0.38 min
Lab File: BG036239.D
Acq: 9 Aug 2018 18:56

Tgt Ion:165 Resp: 11240
Ion Ratio Lower Upper
165 100
63 3.3 42.0 63.0#
89 3.7 66.9 100.3#
182 0.0 2.6 3.8#



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
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

Instrument :

BNA_G

ClientSampleId :

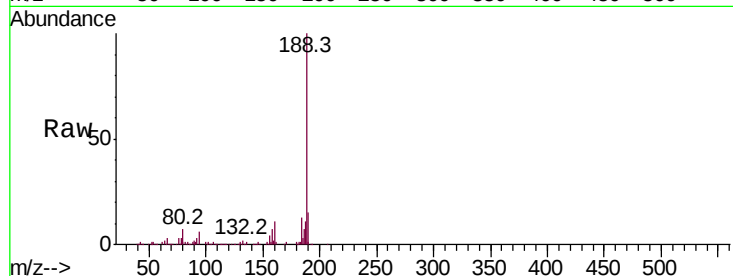
Tot Ion:188 Resp: 211519

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

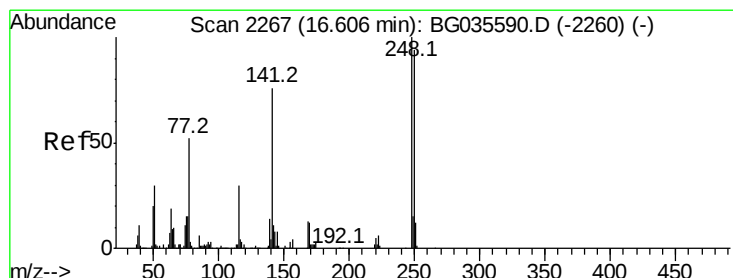
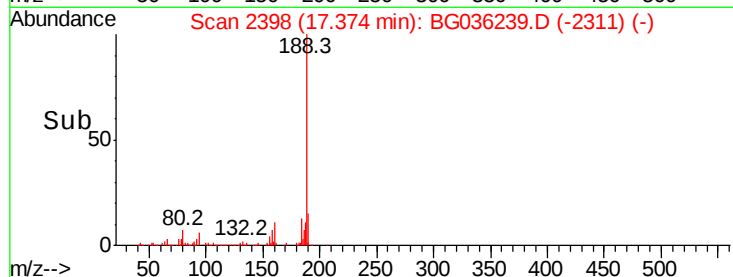
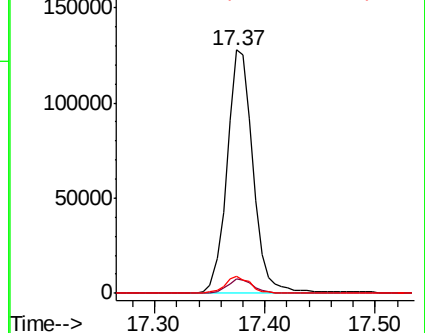
80 7.0 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.317 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

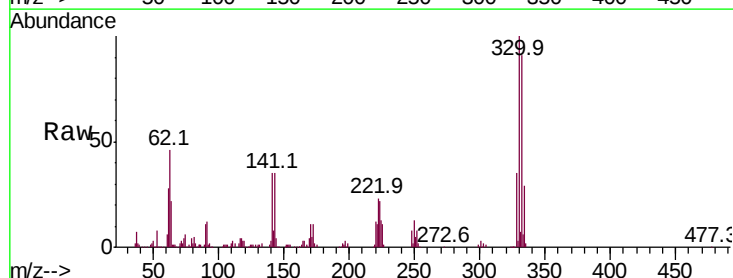
Tgt Ion:248 Resp: 13048

Ion Ratio Lower Upper

248 100

250 172.0 77.1 115.7#

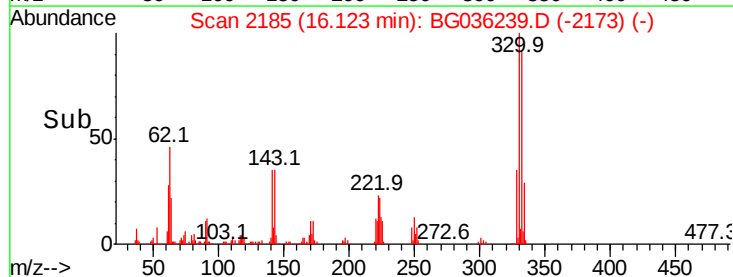
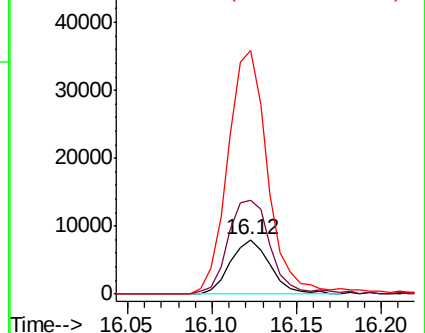
141 447.5 50.8 76.2#

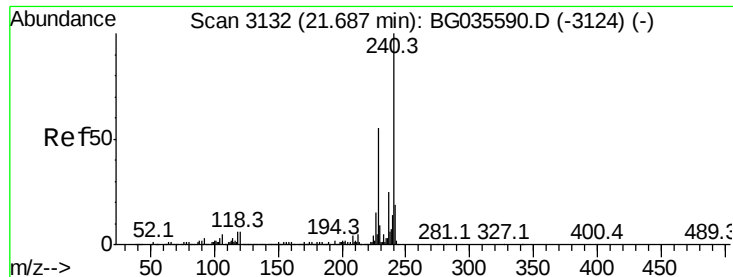


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG036239.D

Acq: 9 Aug 2018 18:56

Instrument :

BNA_G

ClientSampleId :

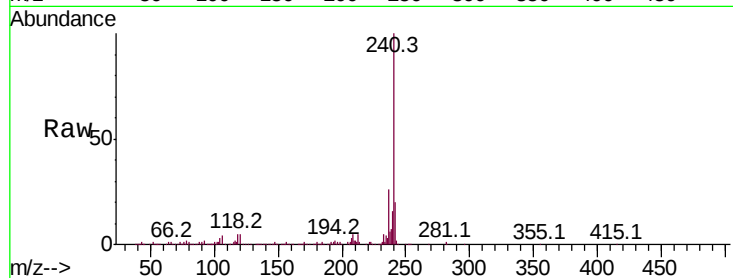
Tot Ion:240 Resp: 219282

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

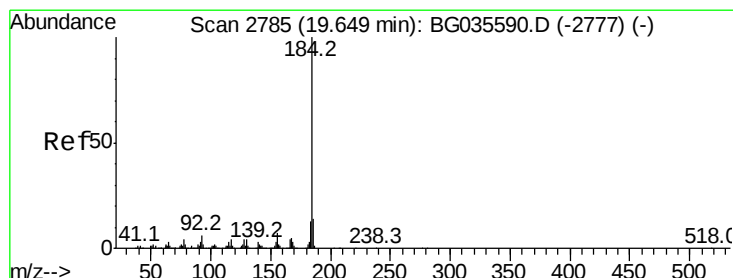
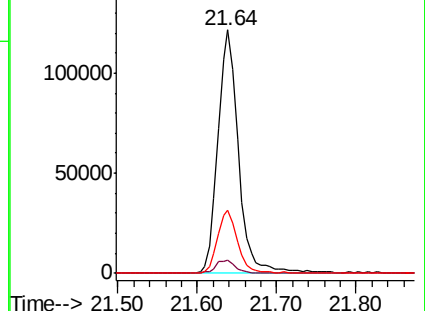
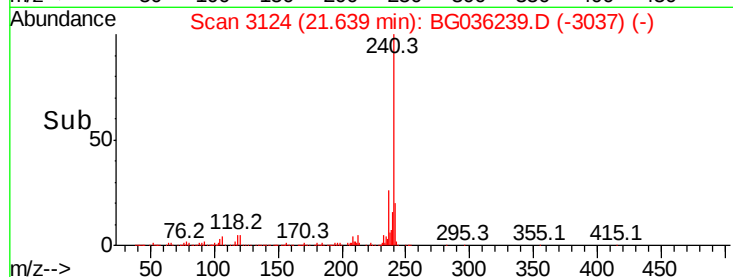
236 26.2 20.9 31.3



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: 2.905 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036239.D

Acq: 9 Aug 2018 18:56

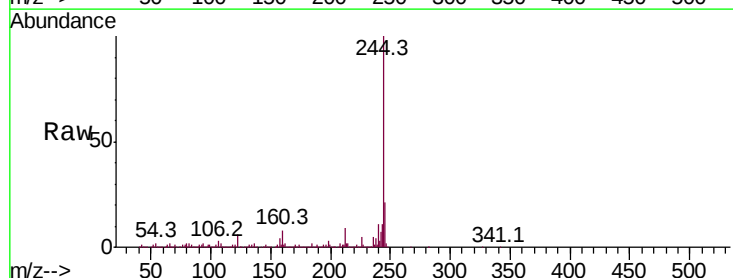
Tgt Ion:184 Resp: 16749

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

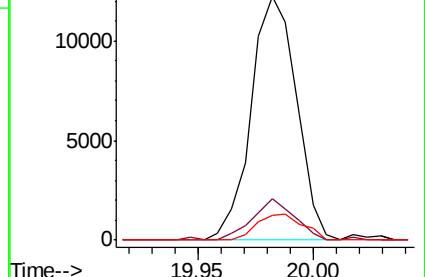
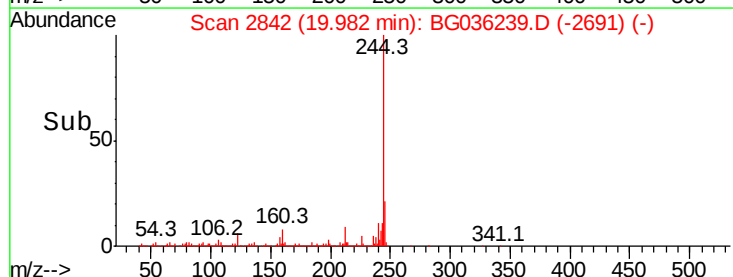
183 10.4 10.6 16.0#

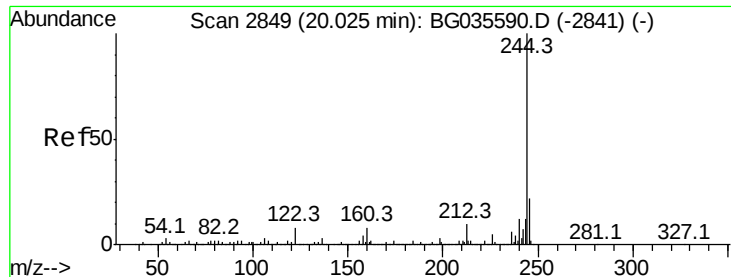


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

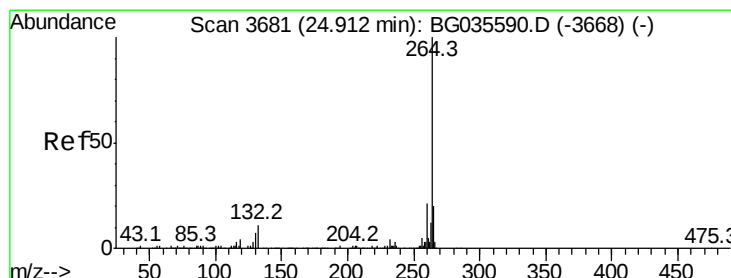
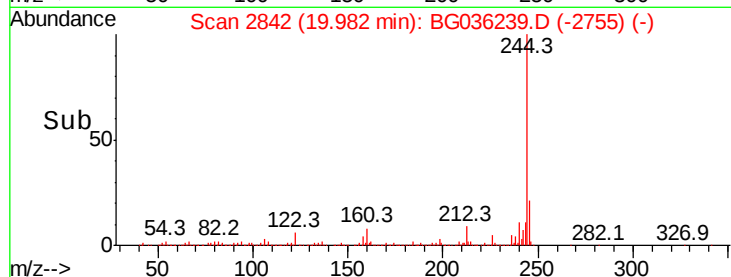
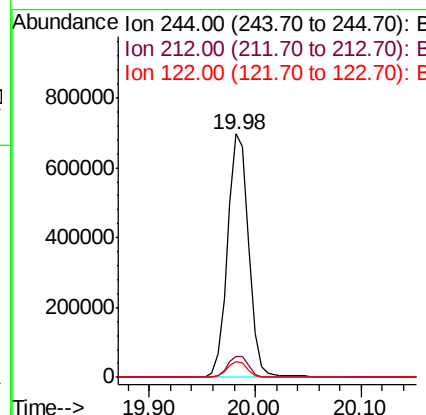
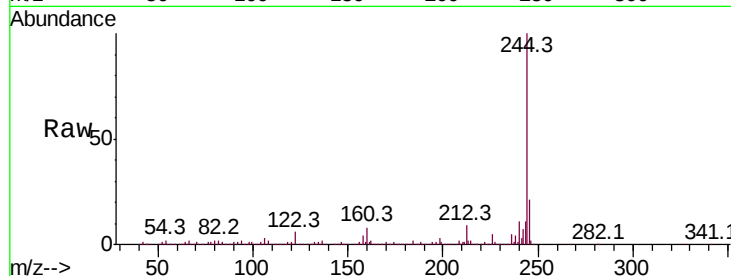




#78
 Terphenyl-d14
 Concen: 97.166 ng
 RT: 19.98 min Scan# 2842
 Delta R.T. -0.02 min
 Lab File: BG036239.D
 Acq: 9 Aug 2018 18:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 966600
 Ion Ratio Lower Upper
 244 100
 212 8.8 5.8 8.8#
 122 6.3 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: BG036239.D
 Acq: 9 Aug 2018 18:56

Tgt Ion:264 Resp: 207937
 Ion Ratio Lower Upper
 264 100
 260 25.1 17.4 26.0
 265 22.4 17.7 26.5

