

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035634.D
 Acq On : 13 Jul 2018 18:07
 Operator : JU/SJ
 Sample : J3958-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-STONE

Quant Time: Jul 14 00:11:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

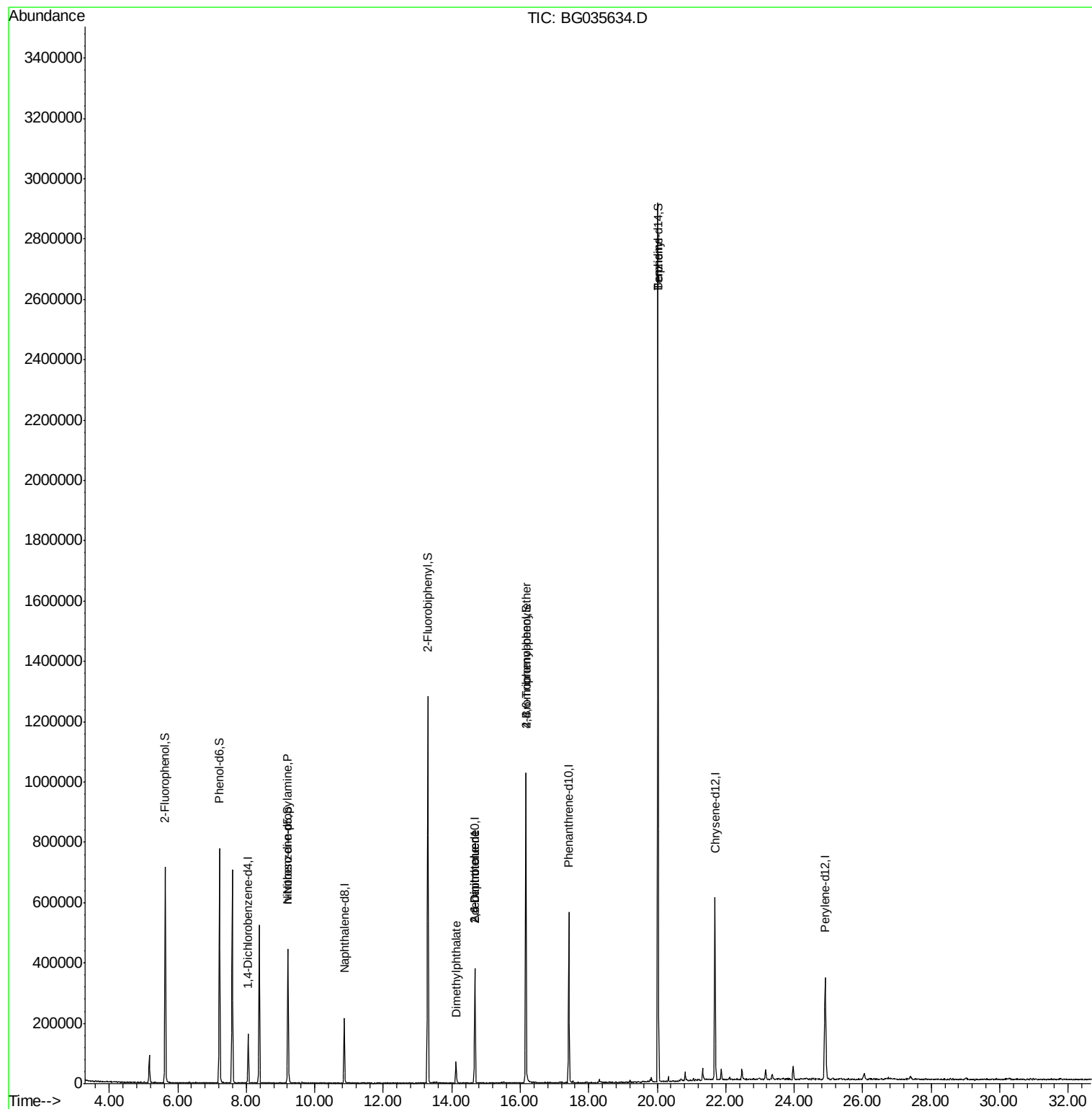
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	45884	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	180400	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	131543	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	370535	20.00	ng	0.00
75) Chrysene-d12	21.69	240	390832	20.00	ng	0.00
86) Perylene-d12	24.91	264	366143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	302961	109.62	ng	0.00
7) Phenol-d6	7.22	99	460231	111.61	ng	0.00
23) Nitrobenzene-d5	9.22	82	295176	68.35	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	189398	109.24	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	688553	70.13	ng	0.00
78) Terphenyl-d14	20.02	244	1295698	73.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	42123	12.131	ng	Qvalue # 69
49) Dimethylphthalate	14.13	163	52114	4.522	ng	# 99
50) 2,6-Dinitrotoluene	14.67	165	18958	8.078	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	18958	5.631	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	14615	3.400	ng	# 1
76) Benzidine	20.02	184	22901	2.229	ng	# 88

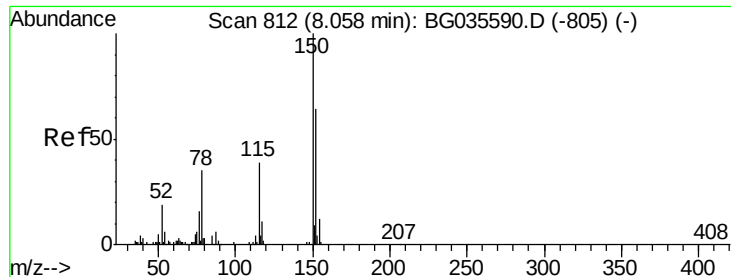
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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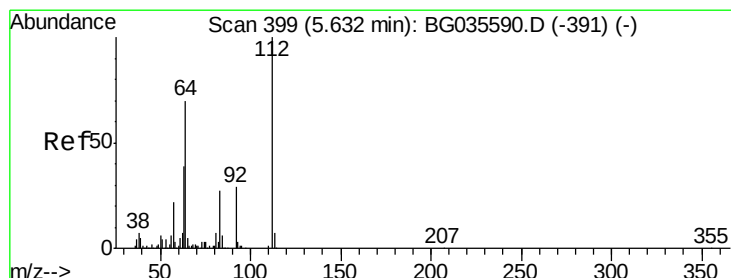
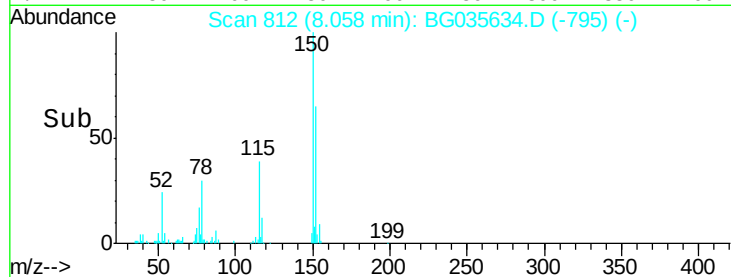
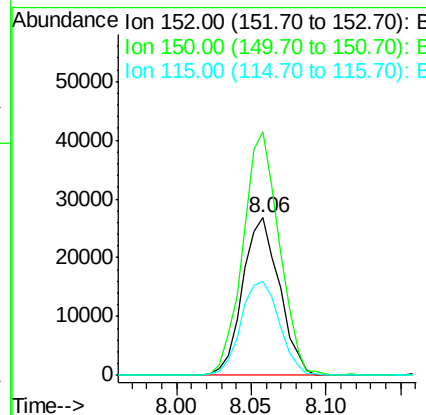
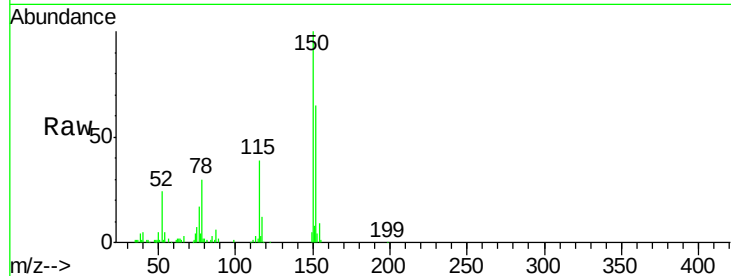


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BG035634.D
 Acq: 13 Jul 2018 18:07

Instrument :
 BNA_G
 ClientSampled :
 CS-STONE

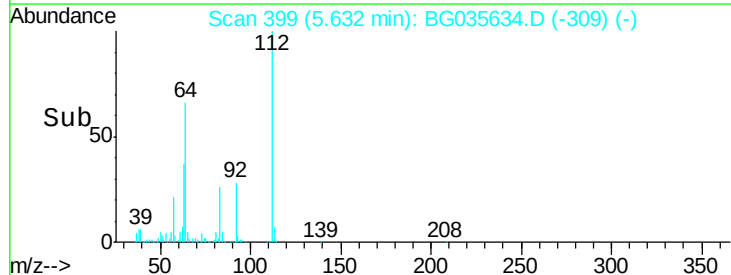
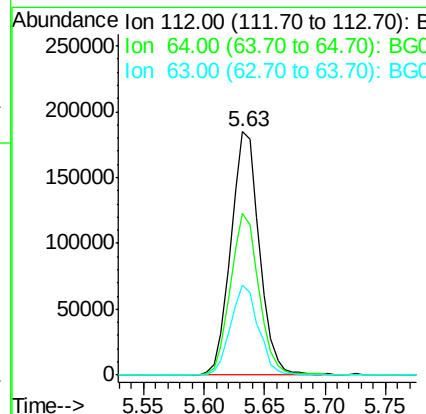
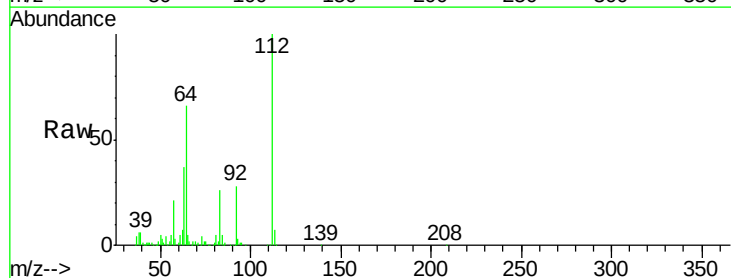
Tgt Ion:152 Resp: 45884
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.6 189.8
 115 59.9 53.0 79.4

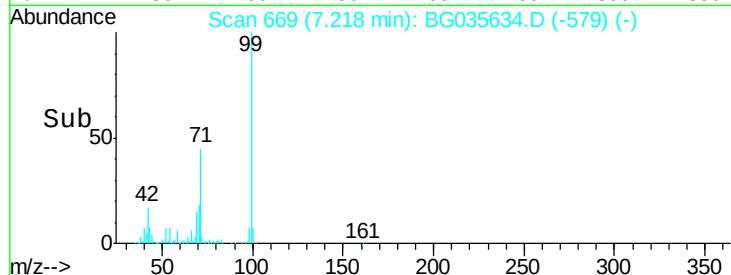
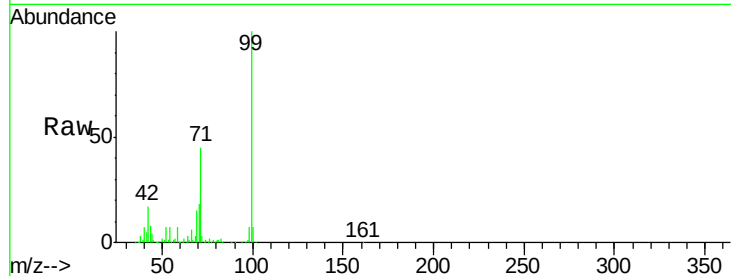
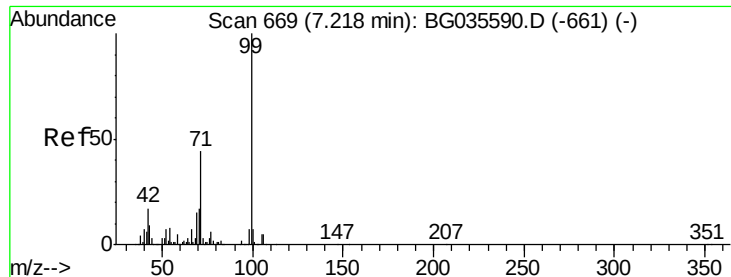


#5

2-Fluorophenol
 Concen: 109.621 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG035634.D
 Acq: 13 Jul 2018 18:07

Tgt Ion:112 Resp: 302961
 Ion Ratio Lower Upper
 112 100
 64 66.2 56.3 84.5
 63 37.1 30.1 45.1





#7

Phenol-d6

Concen: 111.614 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

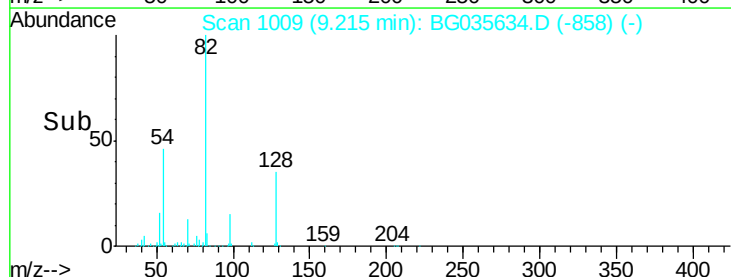
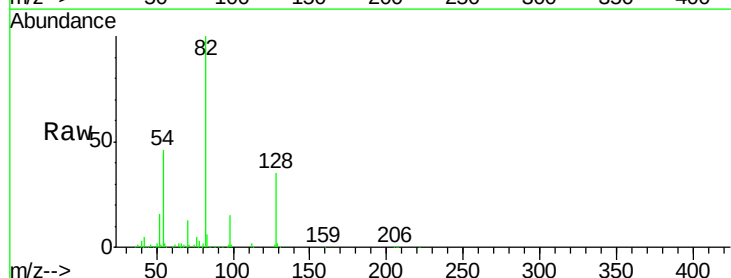
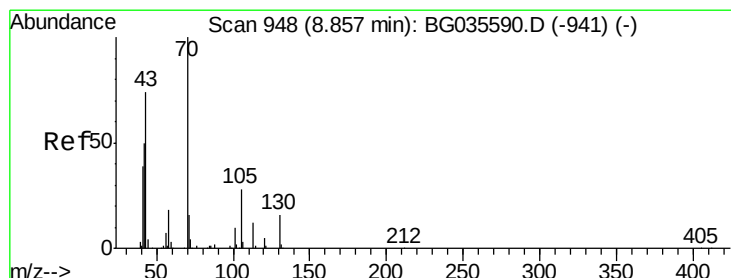
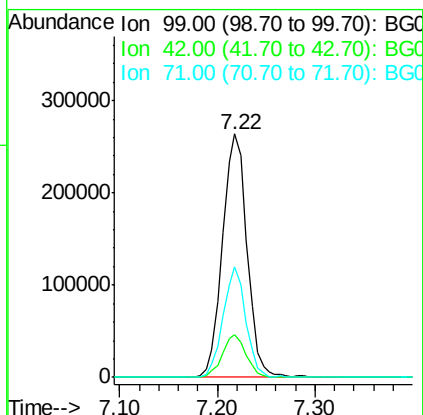
Tgt Ion: 99 Resp: 460231

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

71 45.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 12.131 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Tgt Ion: 70 Resp: 42123

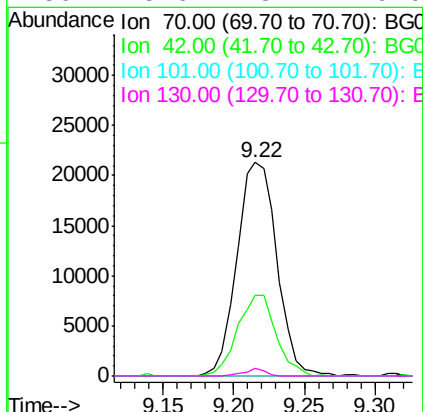
Ion Ratio Lower Upper

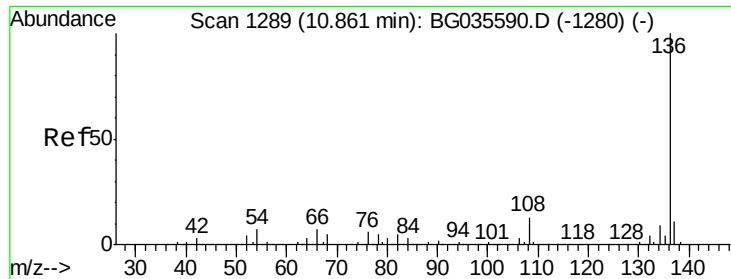
70 100

42 37.5 49.1 73.7#

101 0.0 8.5 12.7#

130 3.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

Tgt Ion: 136 Resp: 180400

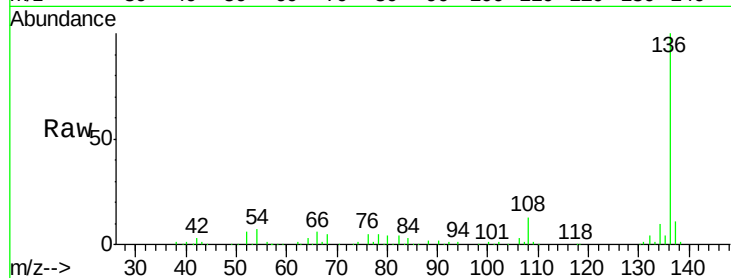
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 7.0 10.3 15.5#

68 5.2 4.5 6.7

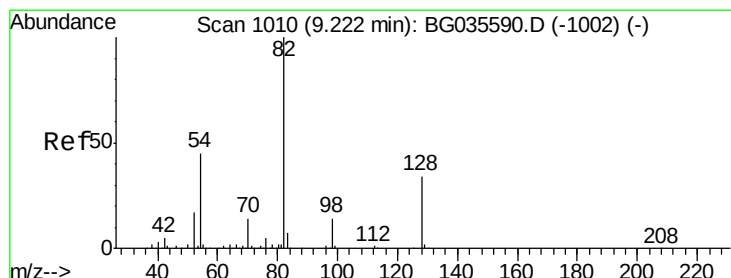
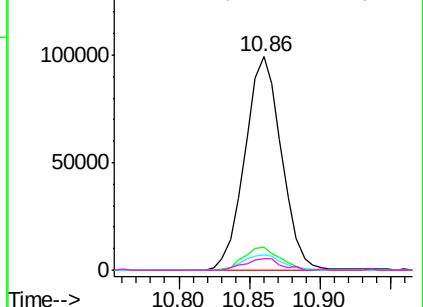
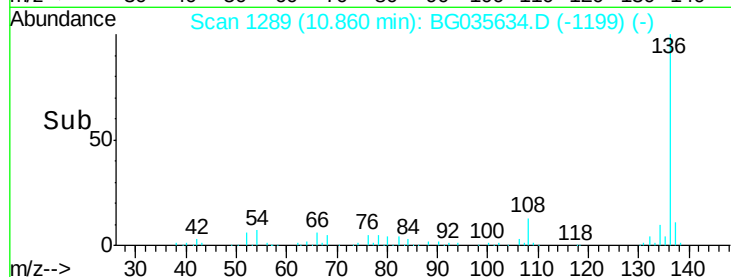


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 68.353 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

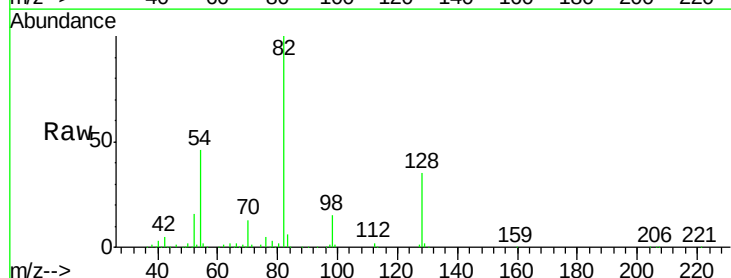
Tgt Ion: 82 Resp: 295176

Ion Ratio Lower Upper

82 100

128 35.0 29.7 44.5

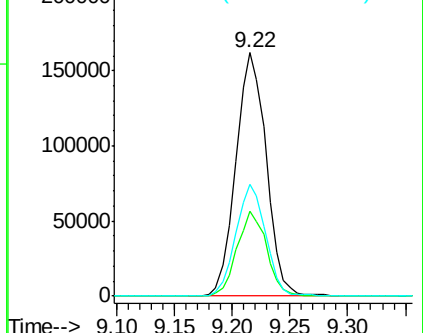
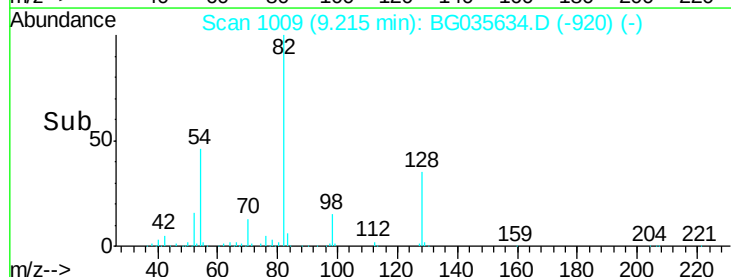
54 46.1 43.1 64.7

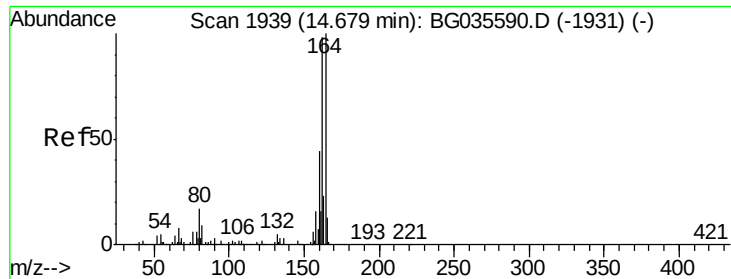


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

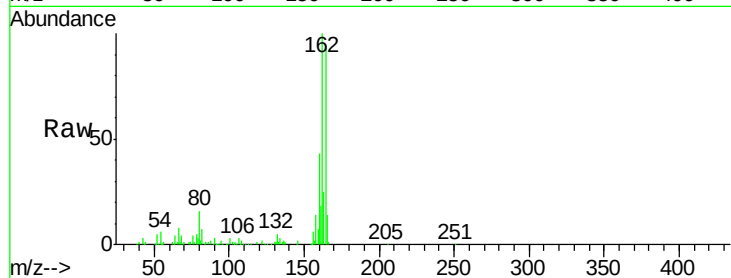
Tgt Ion:164 Resp: 131543

Ion Ratio Lower Upper

164 100

162 106.6 78.8 118.2

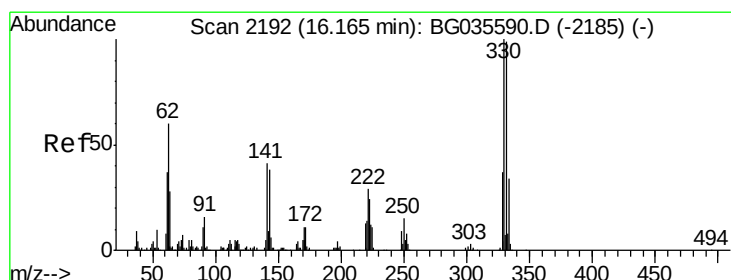
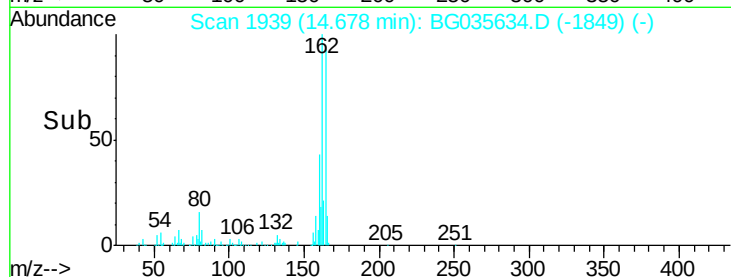
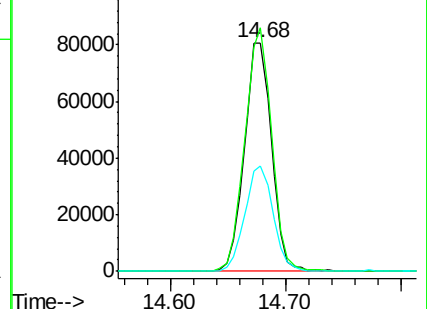
160 46.3 35.4 53.0



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: 109.237 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

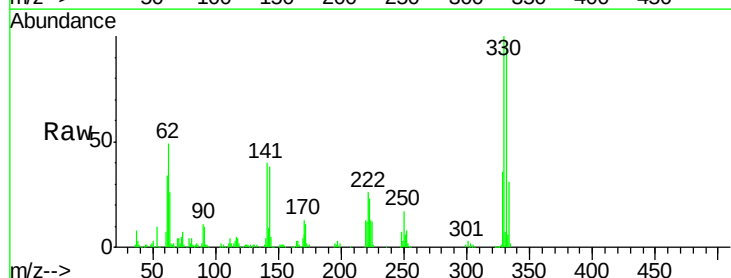
Tgt Ion:330 Resp: 189398

Ion Ratio Lower Upper

330 100

332 92.4 77.0 115.6

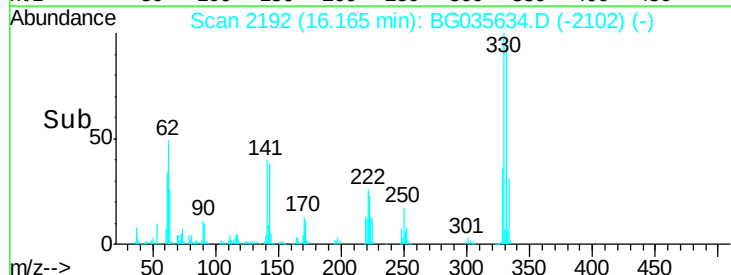
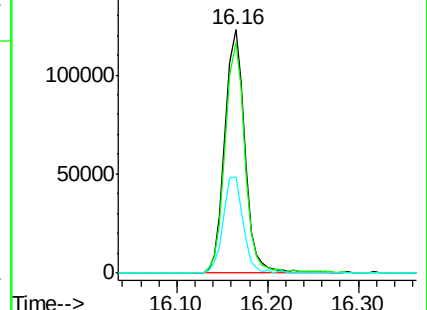
141 38.9 25.2 37.8#

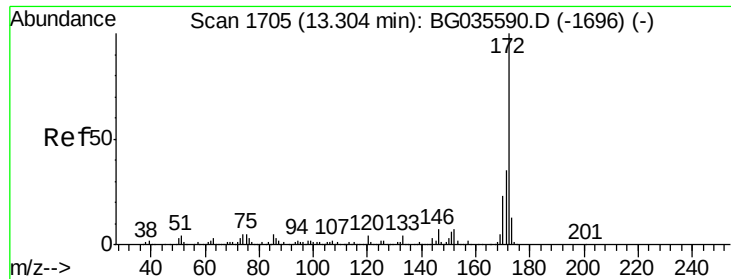


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 70.128 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

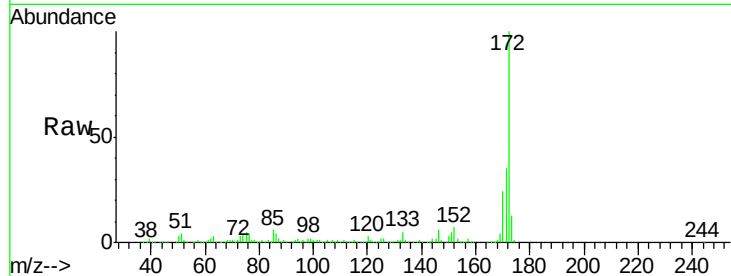
Tgt Ion:172 Resp: 688553

Ion Ratio Lower Upper

172 100

171 35.0 30.0 45.0

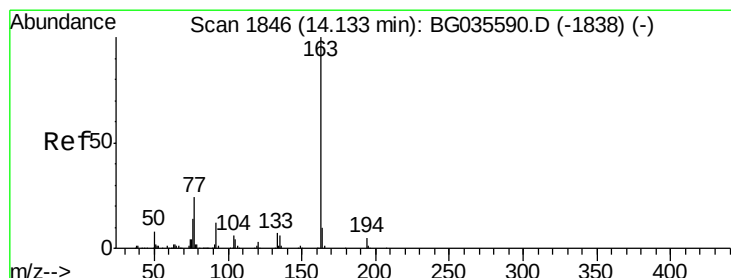
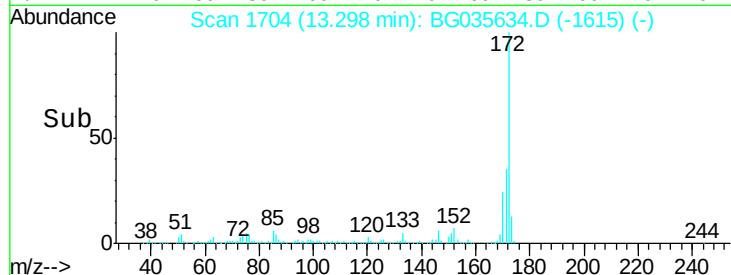
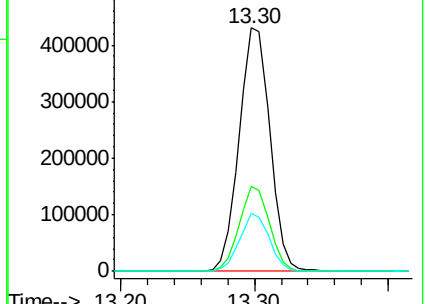
170 23.9 19.5 29.3



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



#49

Dimethylphthalate

Concen: 4.522 ng

RT: 14.13 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

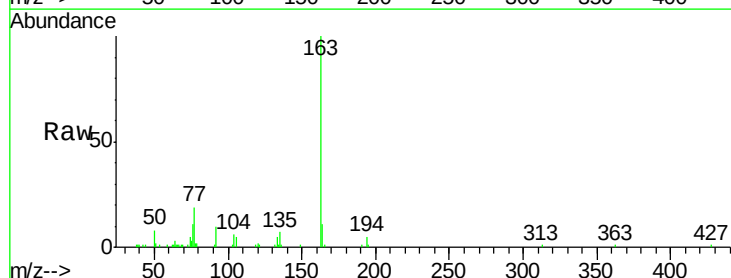
Tgt Ion:163 Resp: 52114

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.2

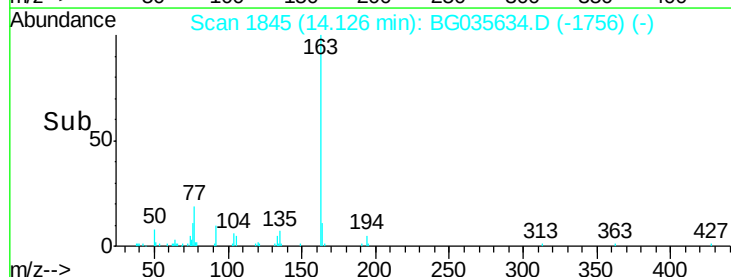
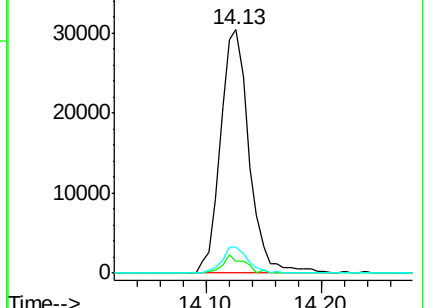
164 10.7 8.2 12.4

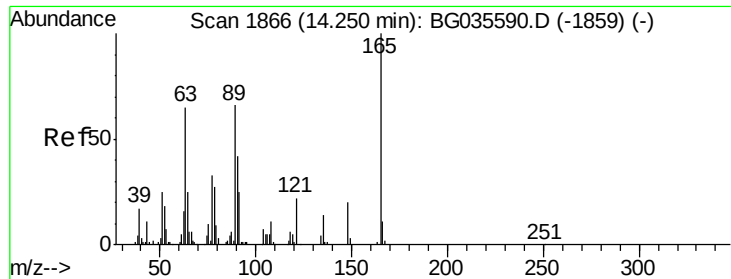


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

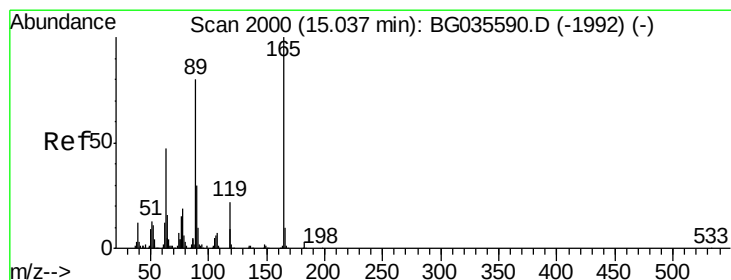
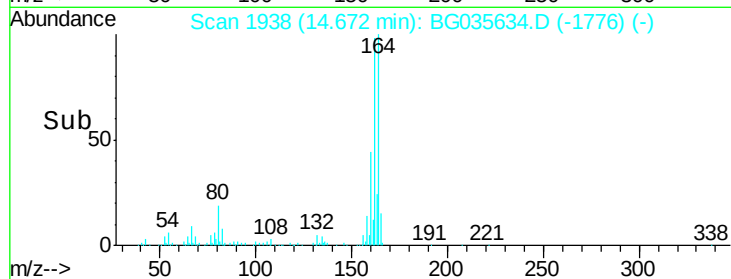
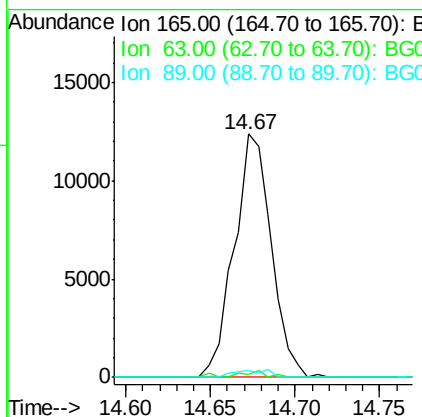
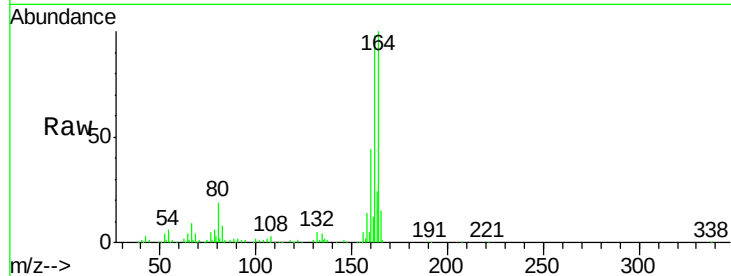




#50
 2,6-Dinitrotoluene
 Concen: 8.078 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG035634.D
 Acq: 13 Jul 2018 18:07

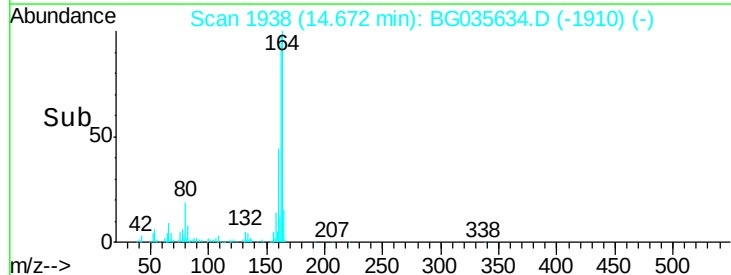
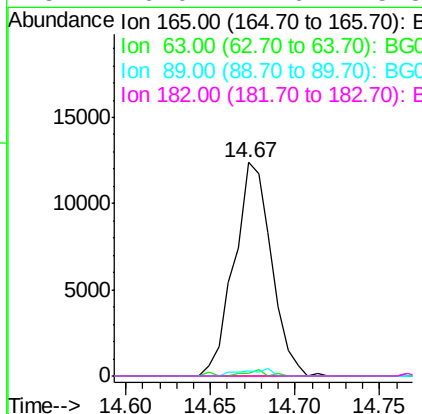
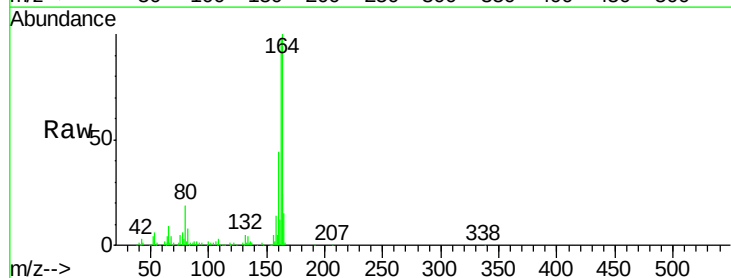
Instrument :
 BNA_G
 ClientSampleId :
 CS-STONE

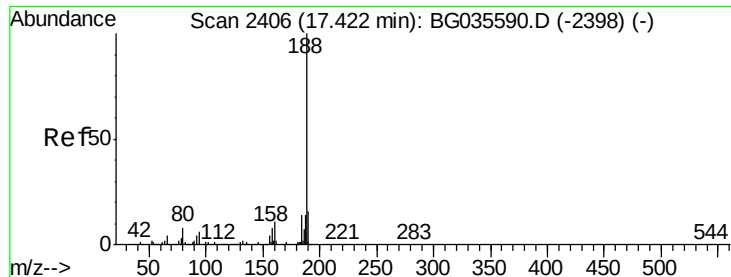
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	52.7	79.1#
89	2.6	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.631 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG035634.D
 Acq: 13 Jul 2018 18:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.0	63.0#
89	2.6	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

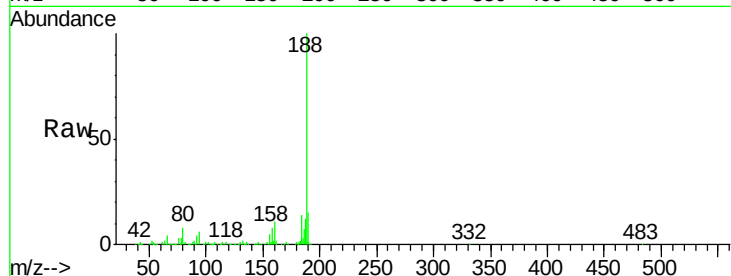
Tgt Ion:188 Resp: 370535

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

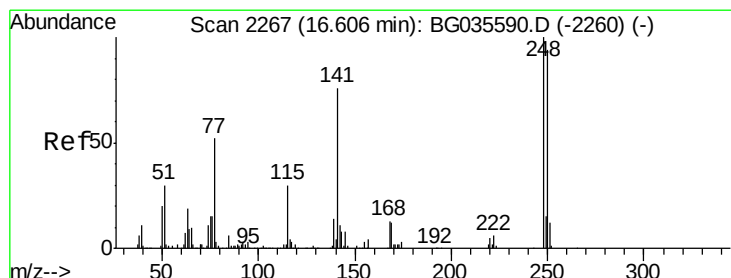
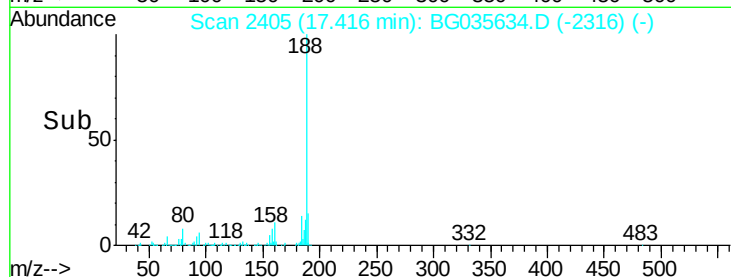
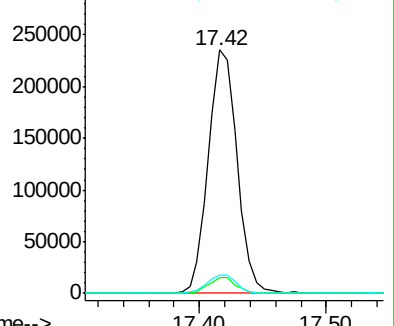
80 7.7 7.7 11.5



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: 3.400 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.44 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

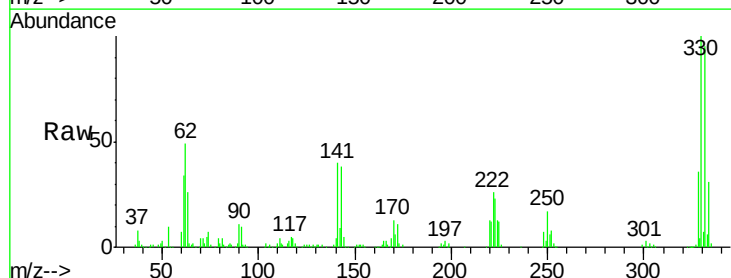
Tgt Ion:248 Resp: 14615

Ion Ratio Lower Upper

248 100

250 228.9 77.1 115.7#

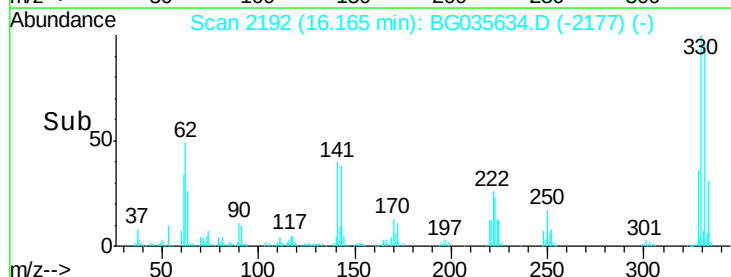
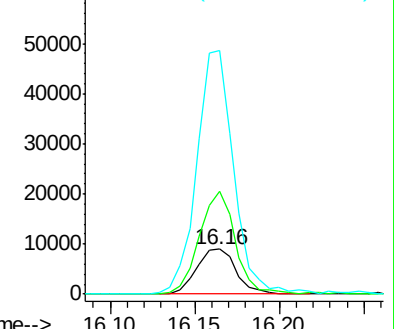
141 544.8 50.8 76.2#

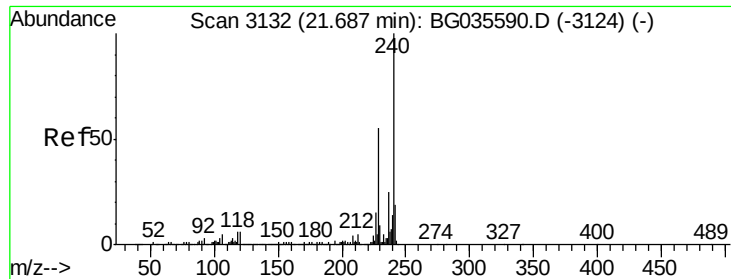


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.69 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

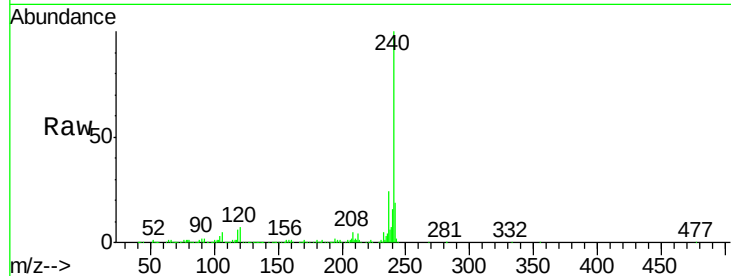
Tgt Ion:240 Resp: 390832

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

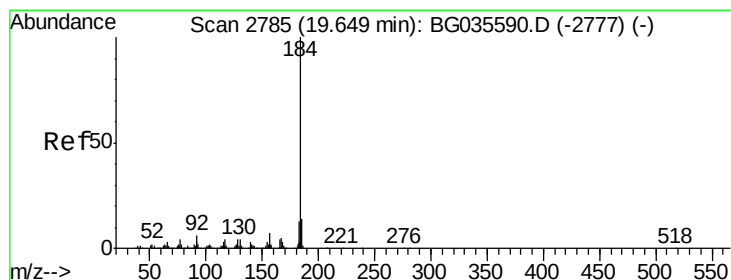
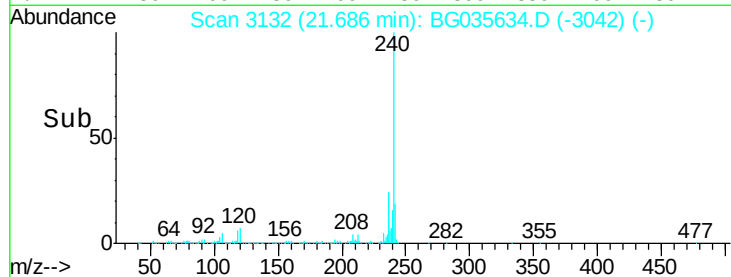
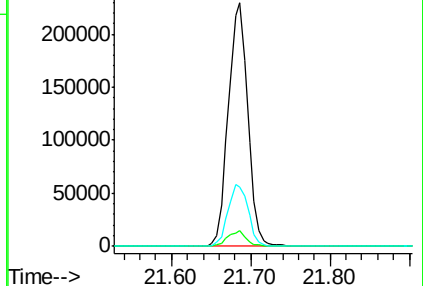
236 24.1 20.9 31.3



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: 2.229 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

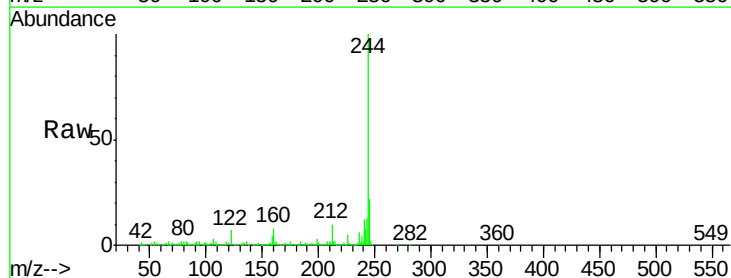
Tgt Ion:184 Resp: 22901

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

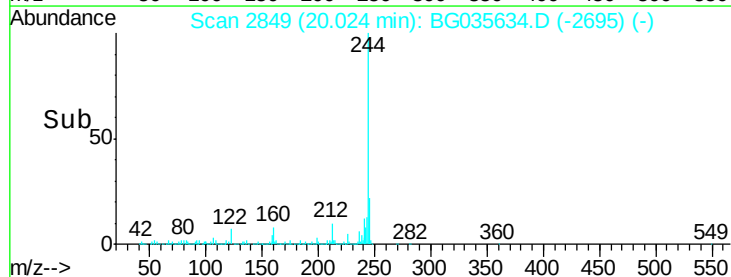
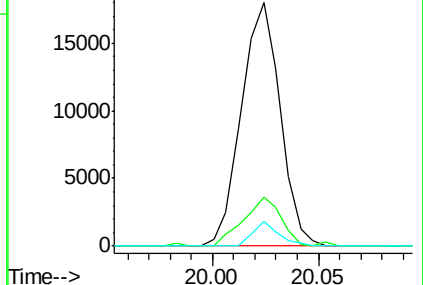
183 10.0 10.6 16.0#

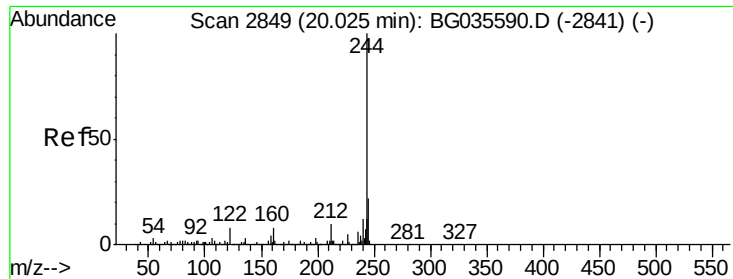


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 73.078 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

Instrument :

BNA_G

ClientSampleId :

CS-STONE

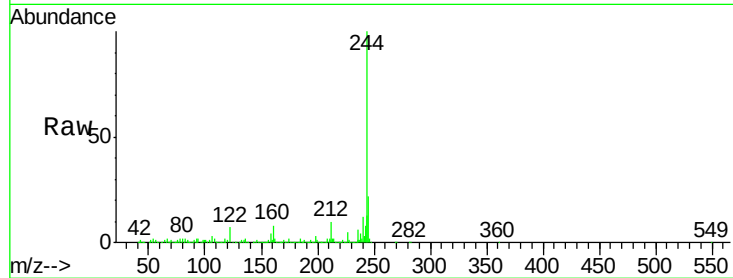
Tgt Ion:244 Resp: 1295698

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

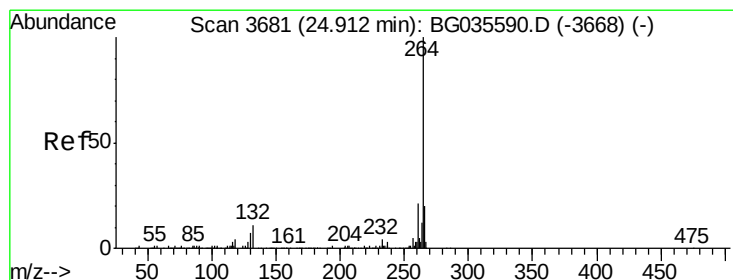
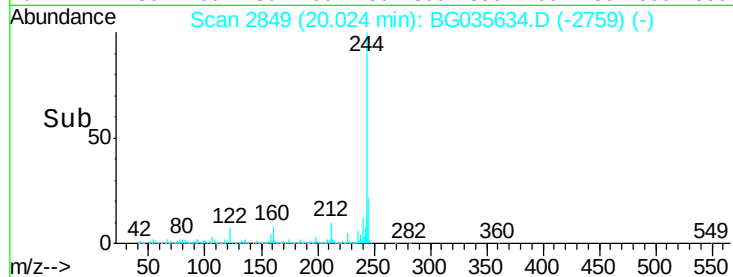
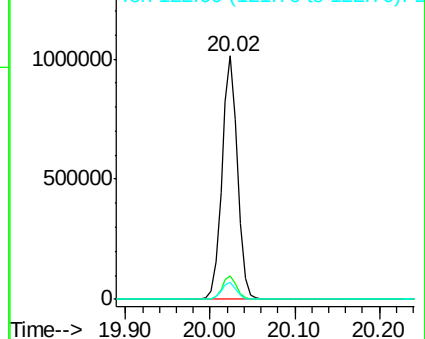
122 7.0 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035634.D

Acq: 13 Jul 2018 18:07

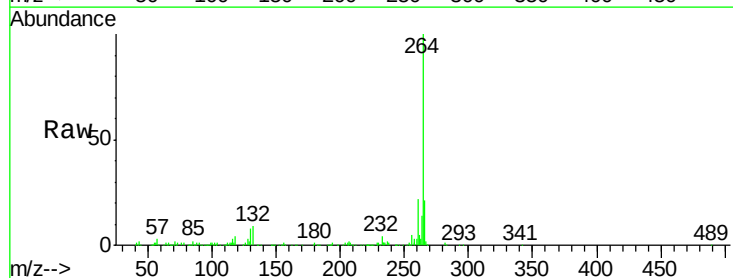
Tgt Ion:264 Resp: 366143

Ion Ratio Lower Upper

264 100

260 21.7 17.4 26.0

265 21.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

