

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035651.D
 Acq On : 14 Jul 2018 5:09
 Operator : JU/SJ
 Sample : J3958-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-STONE

Quant Time: Jul 14 05:50:19 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

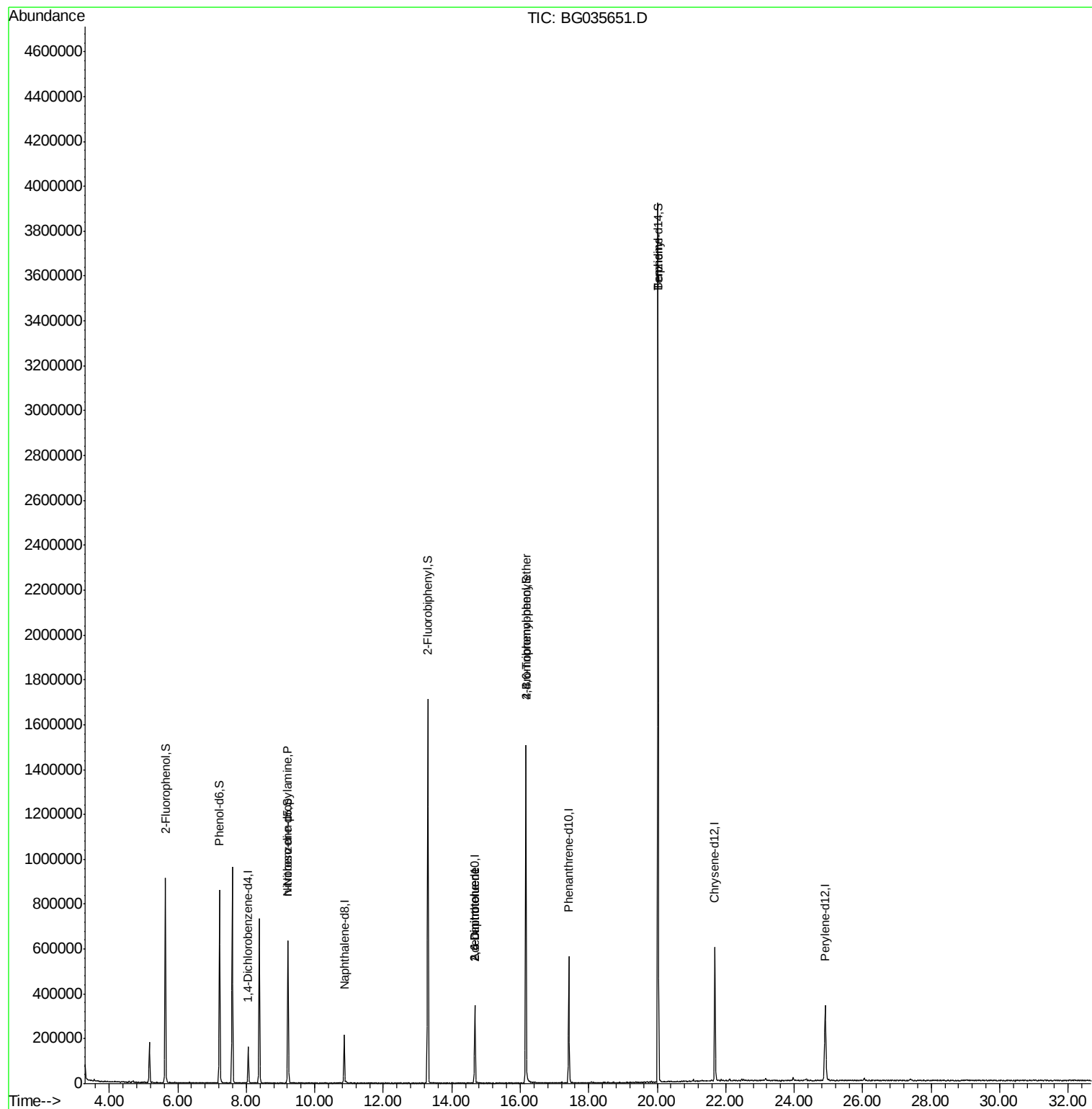
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	44871	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	168231	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	122290	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	361022	20.00	ng	0.00
75) Chrysene-d12	21.68	240	391100	20.00	ng	0.00
86) Perylene-d12	24.91	264	365903	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	383018	141.72	ng	0.00
7) Phenol-d6	7.22	99	517708	128.39	ng	0.00
23) Nitrobenzene-d5	9.21	82	409749	101.75	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	275878	171.15	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	922878	101.11	ng	0.00
78) Terphenyl-d14	20.02	244	1783666	100.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	59215	17.439	ng	# 66
50) 2,6-Dinitrotoluene	14.67	165	17332	7.944	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	17332	5.537	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	21566	5.149	ng	# 1
76) Benzidine	20.02	184	34466	3.352	ng	# 88

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

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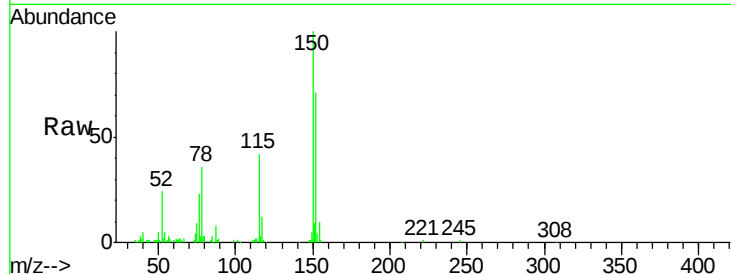


#1

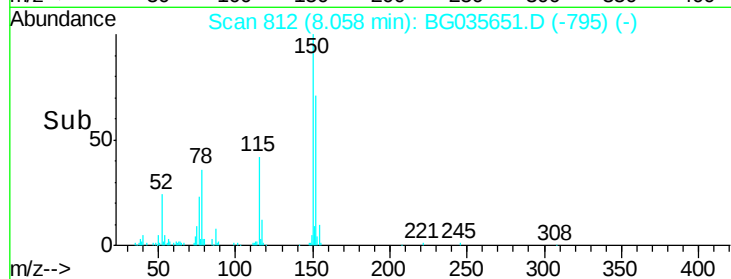
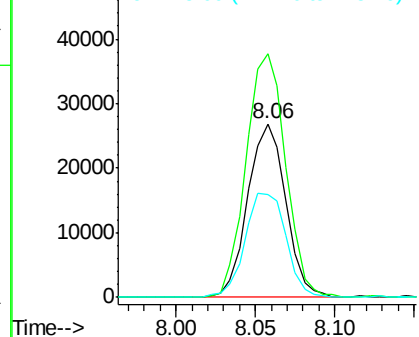
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Instrument :
BNA_G
ClientSampleId :
CS-STONE

Tgt Ion:152 Resp: 44871
Ion Ratio Lower Upper
152 100
150 140.3 126.6 189.8
115 59.4 53.0 79.4



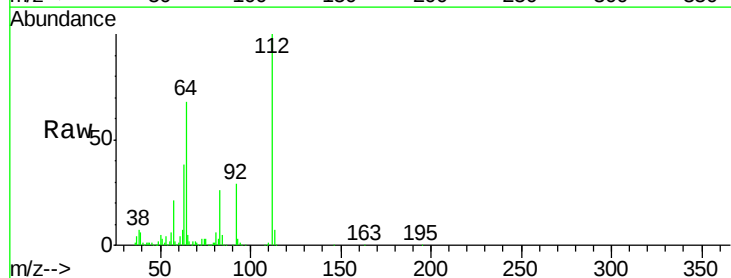
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



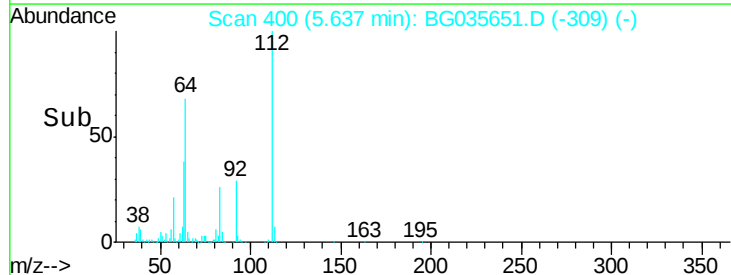
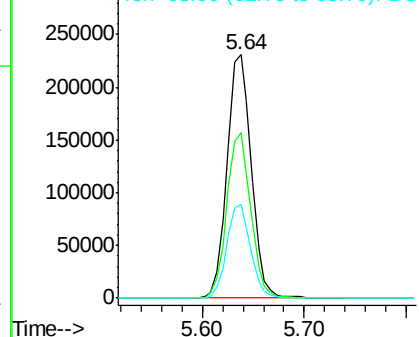
#5

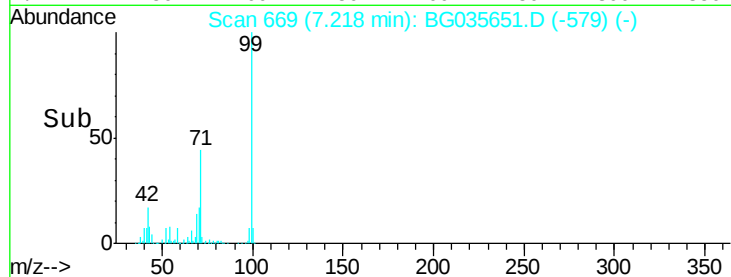
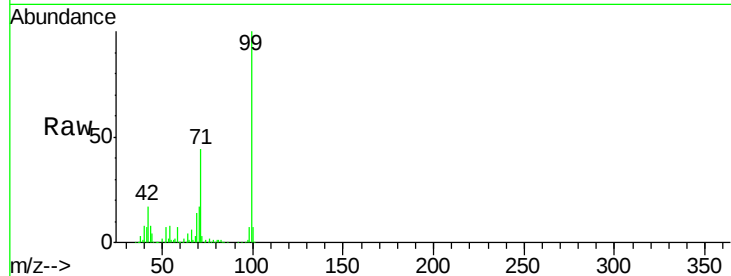
2-Fluorophenol
Concen: 141.717 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Tgt Ion:112 Resp: 383018
Ion Ratio Lower Upper
112 100
64 68.1 56.3 84.5
63 38.3 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: 128.388 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

Instrument :

BNA_G

ClientSampleId :

CS-STONE

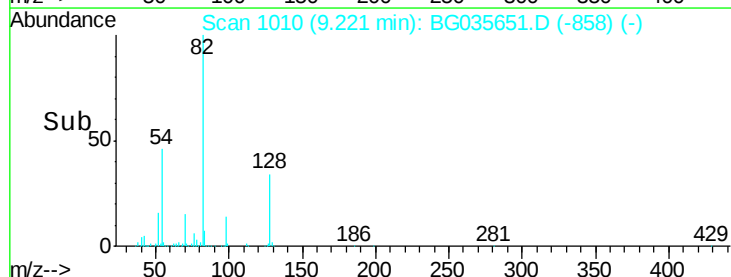
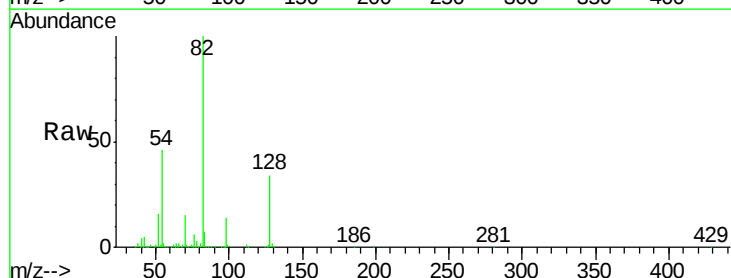
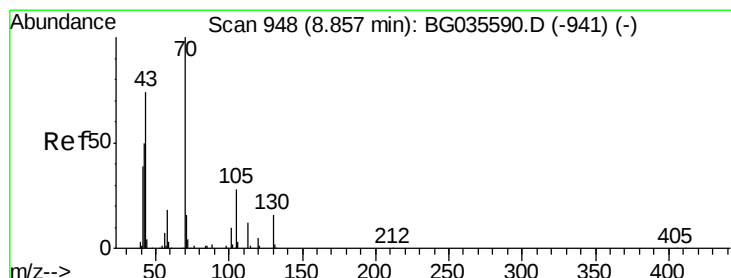
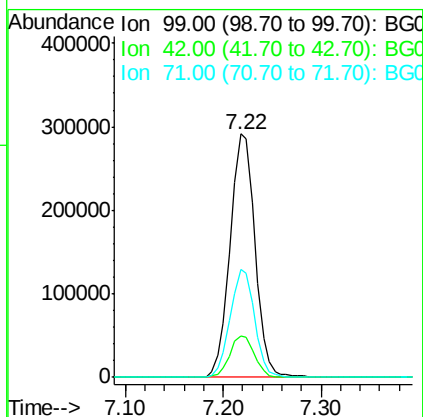
Tgt Ion: 99 Resp: 517708

Ion Ratio Lower Upper

99 100

42 17.0 14.1 21.1

71 44.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.439 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.36 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

Tgt Ion: 70 Resp: 59215

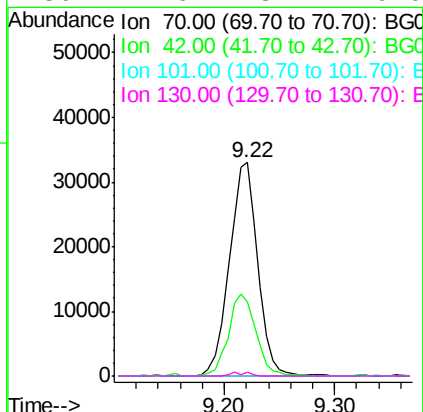
Ion Ratio Lower Upper

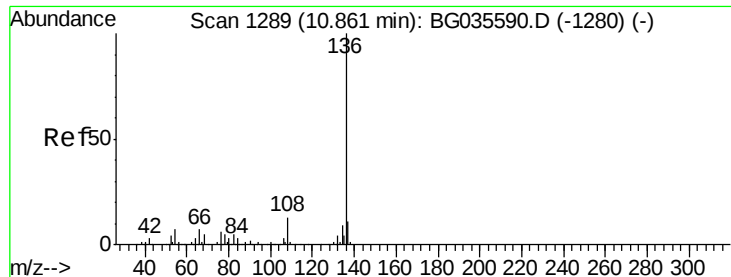
70 100

42 35.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

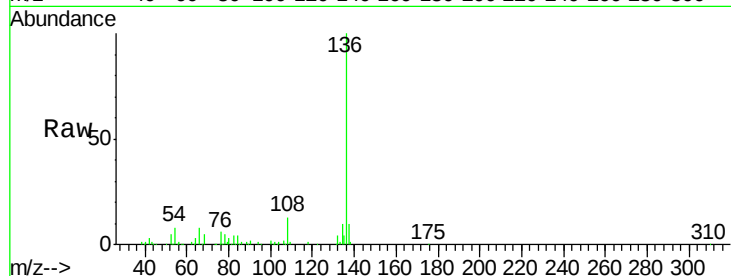




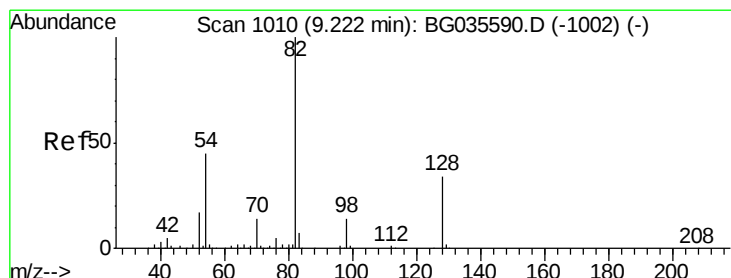
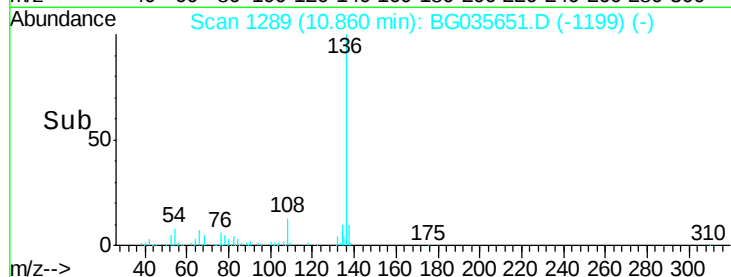
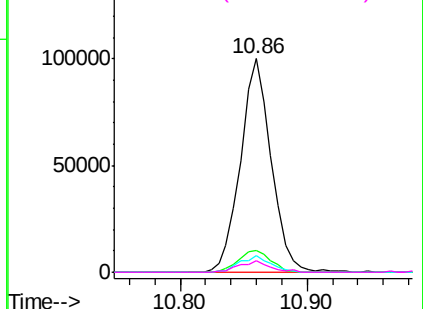
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Instrument :
BNA_G
ClientSampleId :
CS-STONE

Tgt Ion:	136	Resp:	168231
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	7.9	10.3	15.5#
68	5.3	4.5	6.7

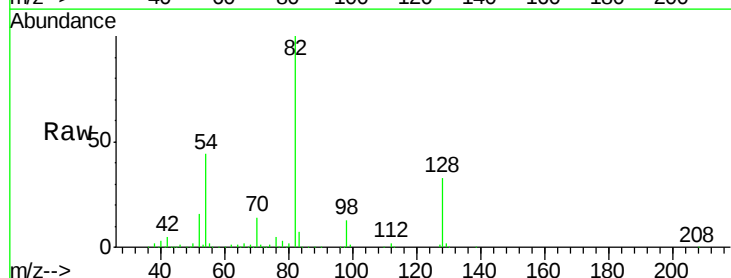


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

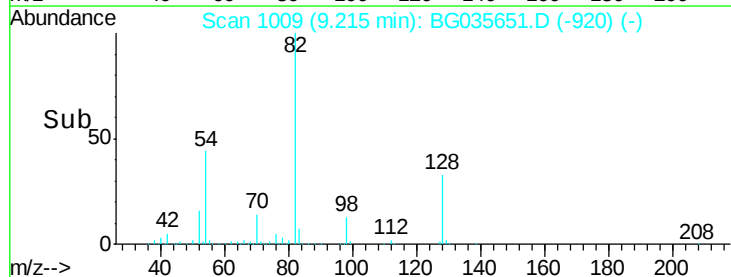
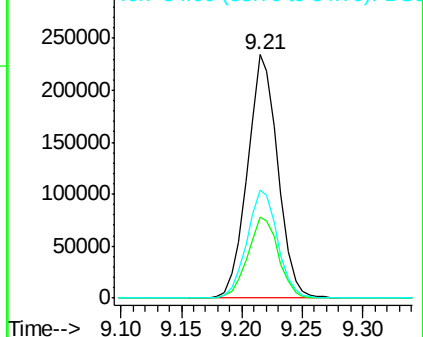


#23
Nitrobenzene-d5
Concen: 101.748 ng
RT: 9.21 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Tgt Ion:	82	Resp:	409749
Ion	Ratio	Lower	Upper
82	100		
128	33.2	29.7	44.5
54	44.5	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: 14.68 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

Instrument :

BNA_G

ClientSampleId :

CS-STONE

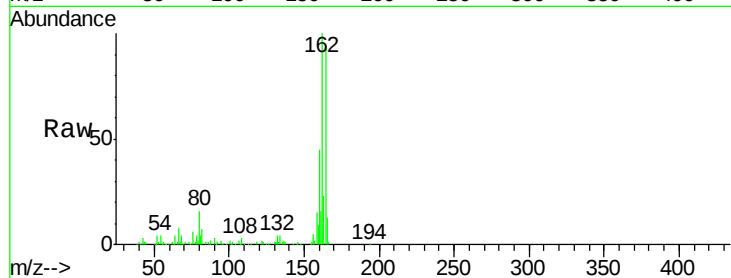
Tgt Ion:164 Resp: 122290

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

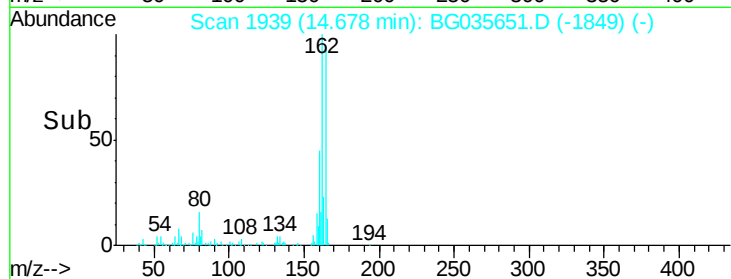
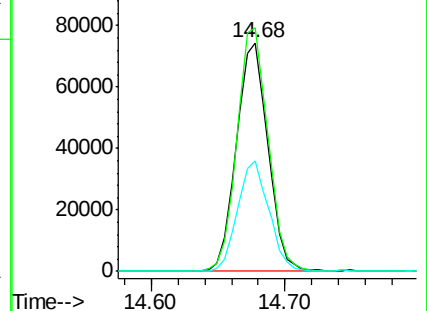
160 48.2 35.4 53.0



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: 171.155 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

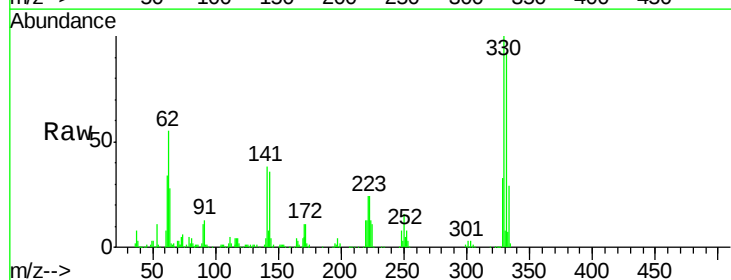
Tgt Ion:330 Resp: 275878

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

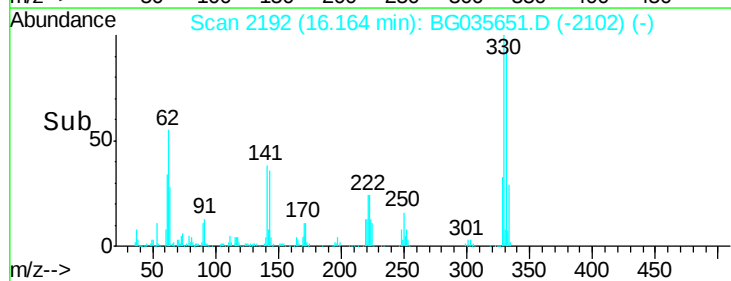
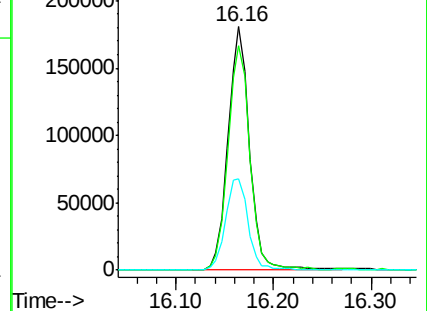
141 40.0 25.2 37.8#

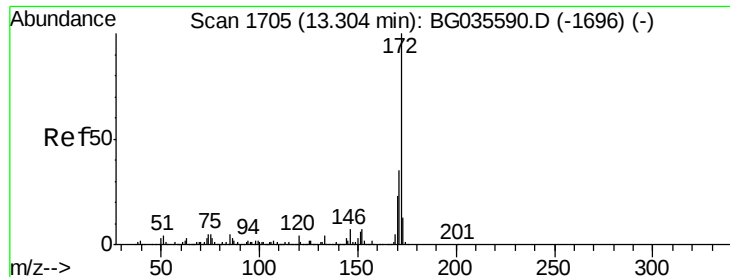


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

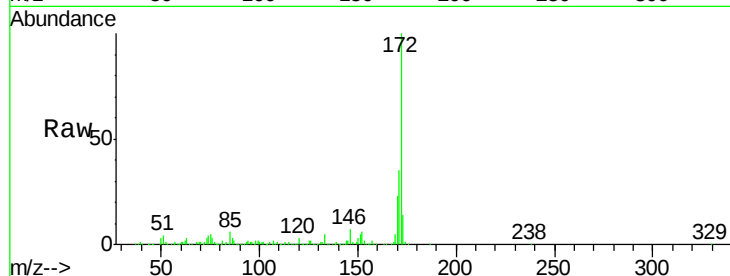




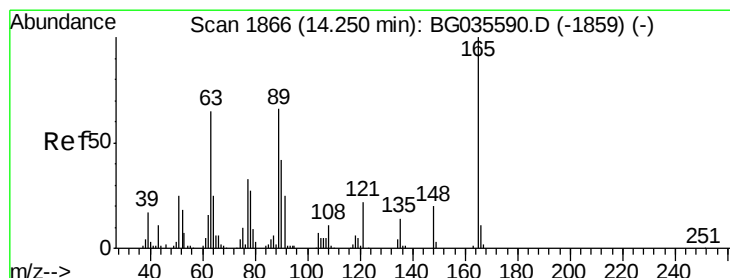
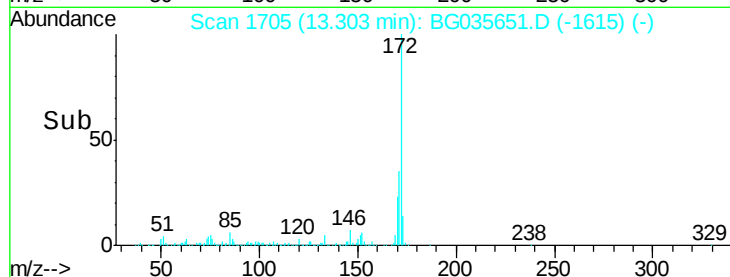
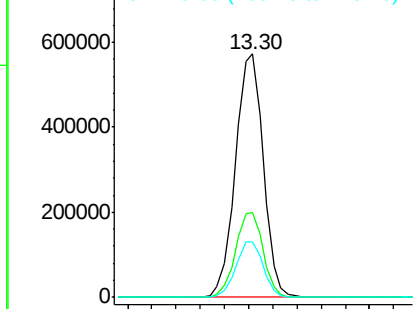
#44
2-Fluorobiphenyl
Concen: 101.105 ng
RT: 13.30 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Instrument :
BNA_G
ClientSampleId :
CS-STONE

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	22.9	19.5	29.3

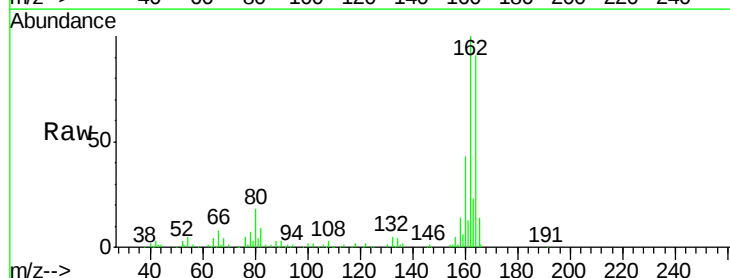


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

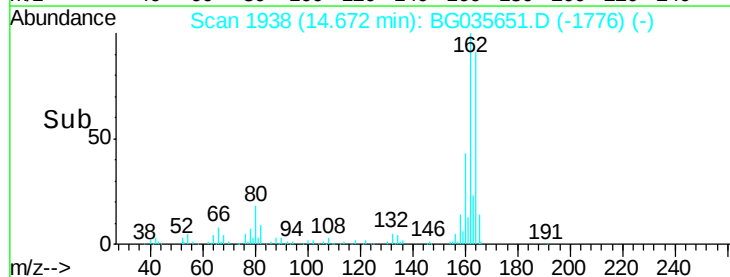
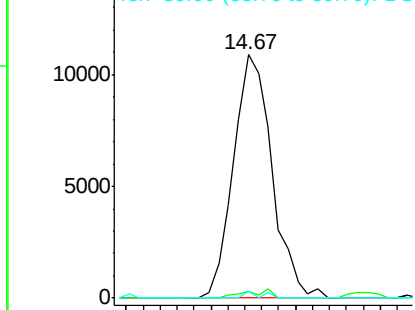


#50
2,6-Dinitrotoluene
Concen: 7.944 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	52.7	79.1#
89	3.0	49.2	73.8#



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

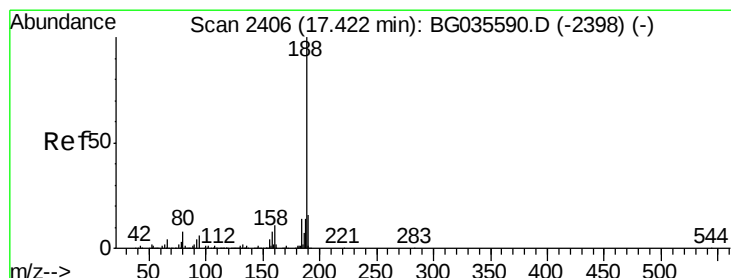
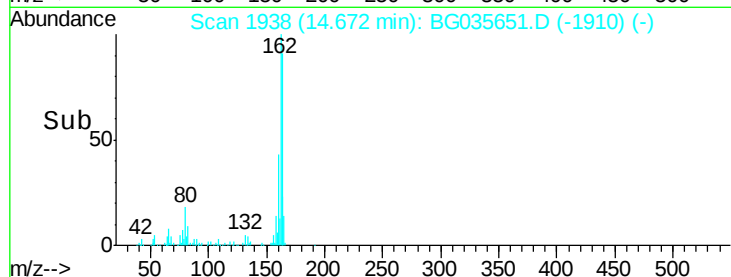
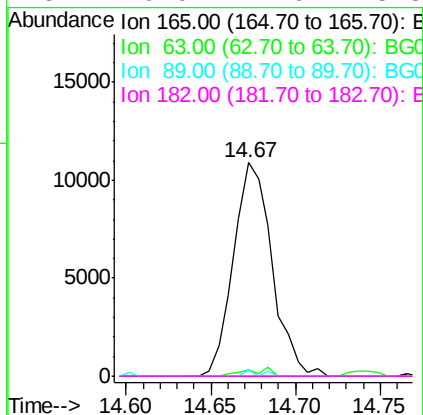
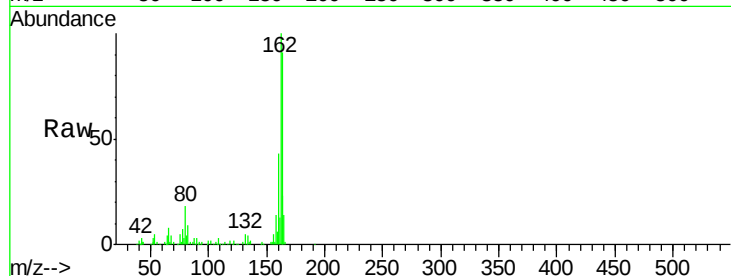




#56
 2,4-Dinitrotoluene
 Concen: 5.537 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.37 min
 Lab File: BG035651.D
 Acq: 14 Jul 2018 5:09

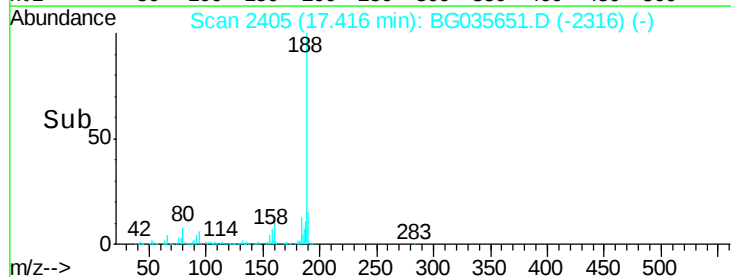
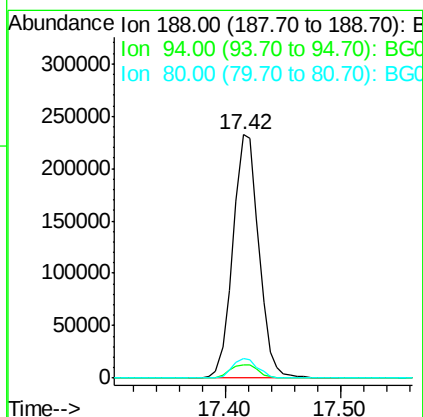
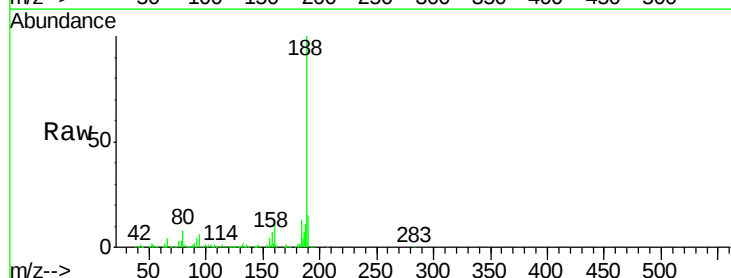
Instrument :
 BNA_G
 ClientSampleId :
 CS-STONE

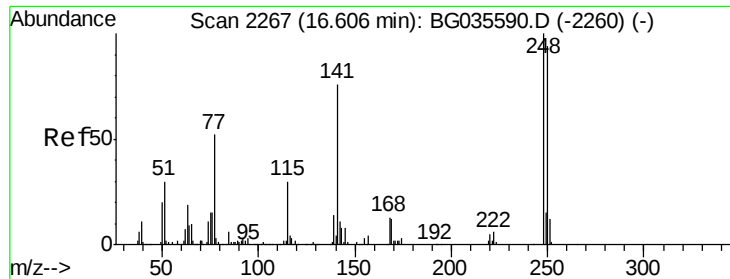
Tgt Ion:165 Resp: 17332
 Ion Ratio Lower Upper
 165 100
 63 2.8 42.0 63.0#
 89 3.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG035651.D
 Acq: 14 Jul 2018 5:09

Tgt Ion:188 Resp: 361022
 Ion Ratio Lower Upper
 188 100
 94 5.5 6.9 10.3#
 80 8.3 7.7 11.5

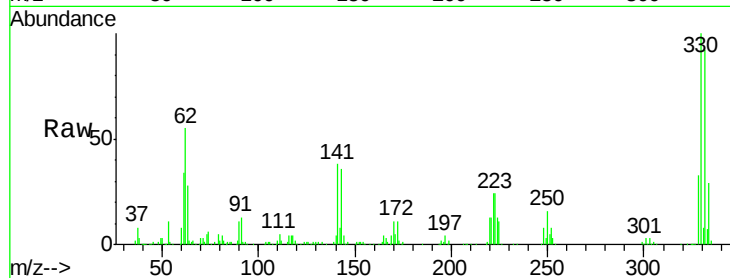




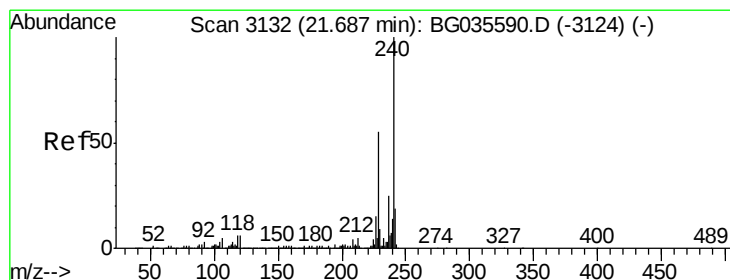
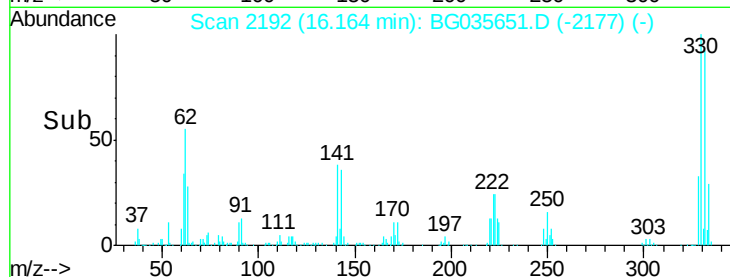
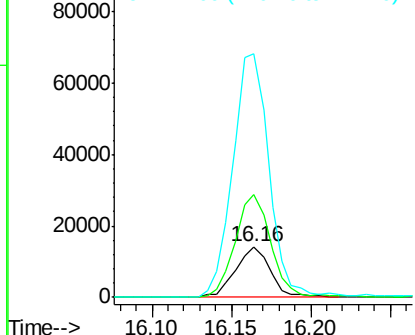
#66
4-Bromophenyl-phenylether
Concen: 5.149 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.44 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Instrument :
BNA_G
ClientSampleId :
CS-STONE

Tgt Ion:248 Resp: 21566
Ion Ratio Lower Upper
248 100
250 204.1 77.1 115.7#
141 483.6 50.8 76.2#

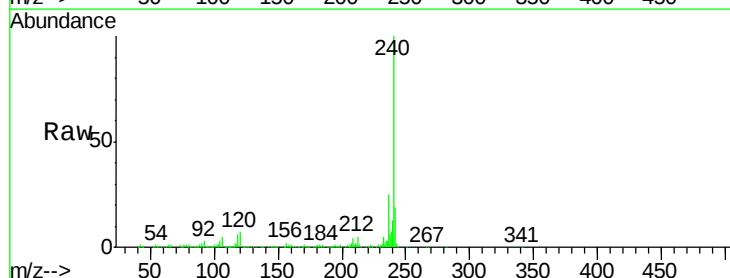


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

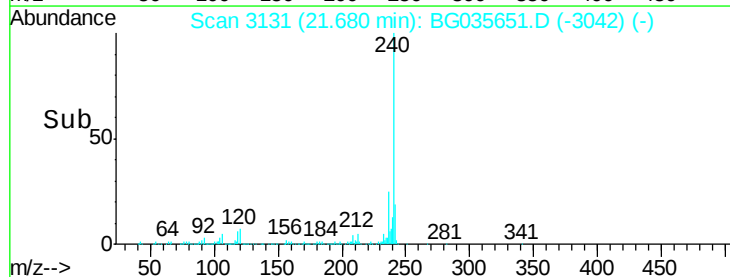
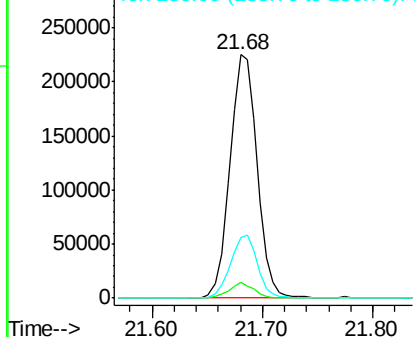


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Tgt Ion:240 Resp: 391100
Ion Ratio Lower Upper
240 100
120 6.6 6.8 10.2#
236 25.1 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: 3.352 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

Instrument :

BNA_G

ClientSampleId :

CS-STONE

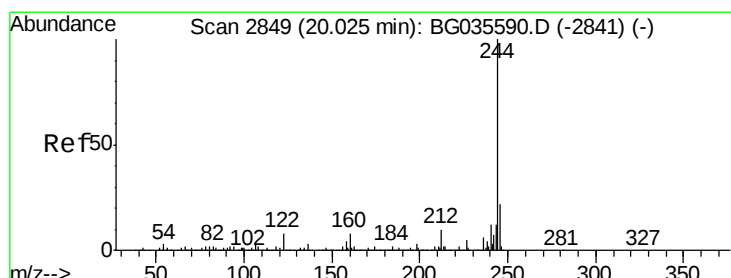
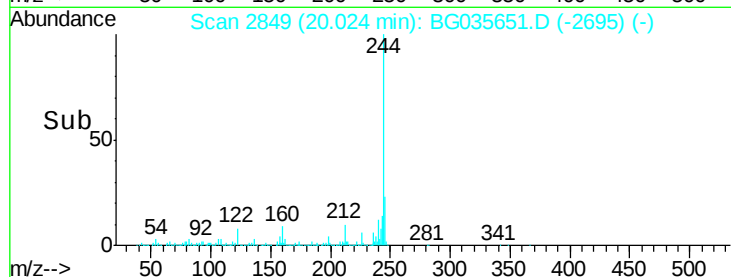
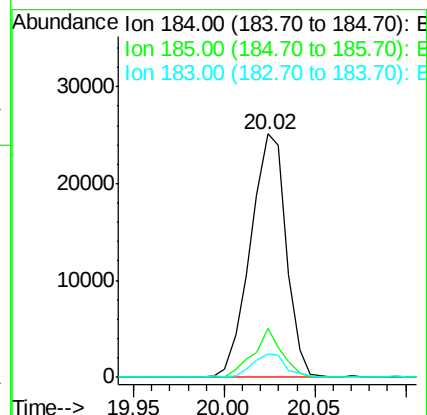
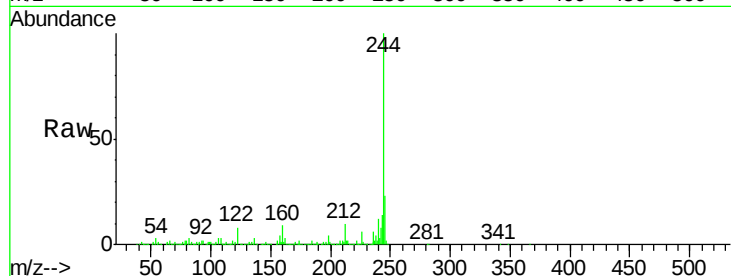
Tgt Ion:184 Resp: 34466

Ion Ratio Lower Upper

184 100

185 20.1 11.1 16.7#

183 9.5 10.6 16.0#



#78

Terphenyl-d14

Concen: 100.530 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035651.D

Acq: 14 Jul 2018 5:09

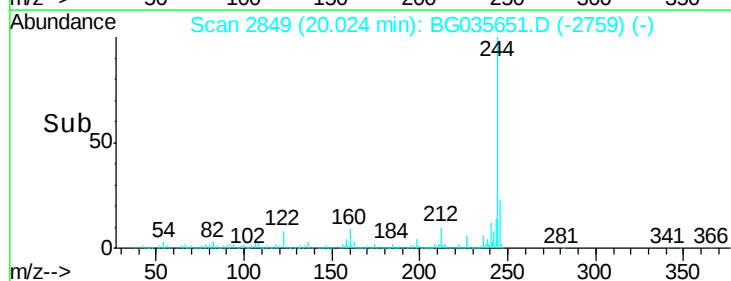
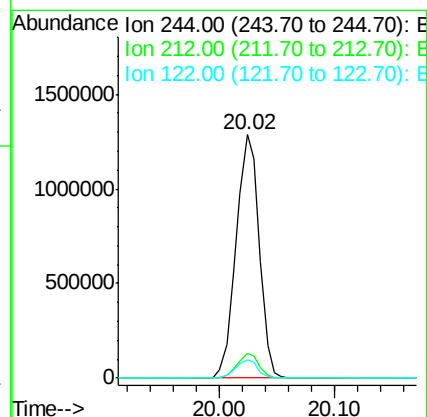
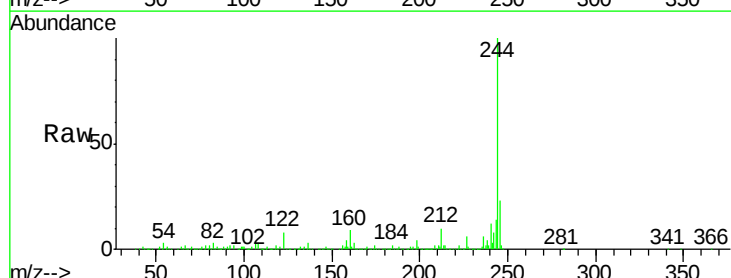
Tgt Ion:244 Resp: 1783666

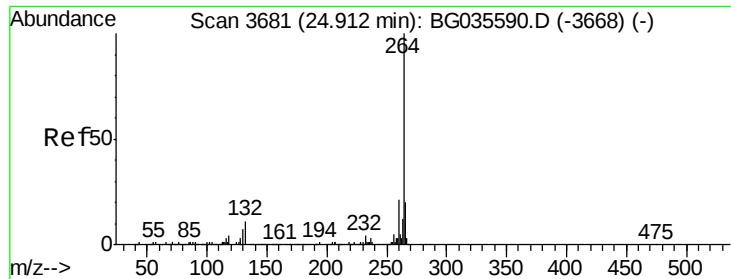
Ion Ratio Lower Upper

244 100

212 10.2 5.8 8.8#

122 7.7 7.0 10.4

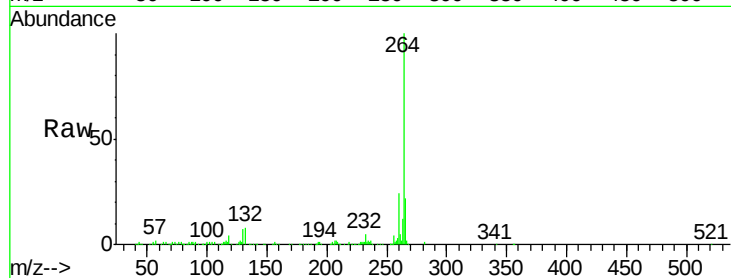




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.91 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG035651.D
Acq: 14 Jul 2018 5:09

Instrument :
BNA_G
ClientSampleId :
CS-STONE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	21.9	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

