

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035650.D
 Acq On : 14 Jul 2018 4:30
 Operator : JU/SJ
 Sample : J3831-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071218

Quant Time: Jul 14 05:50:08 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

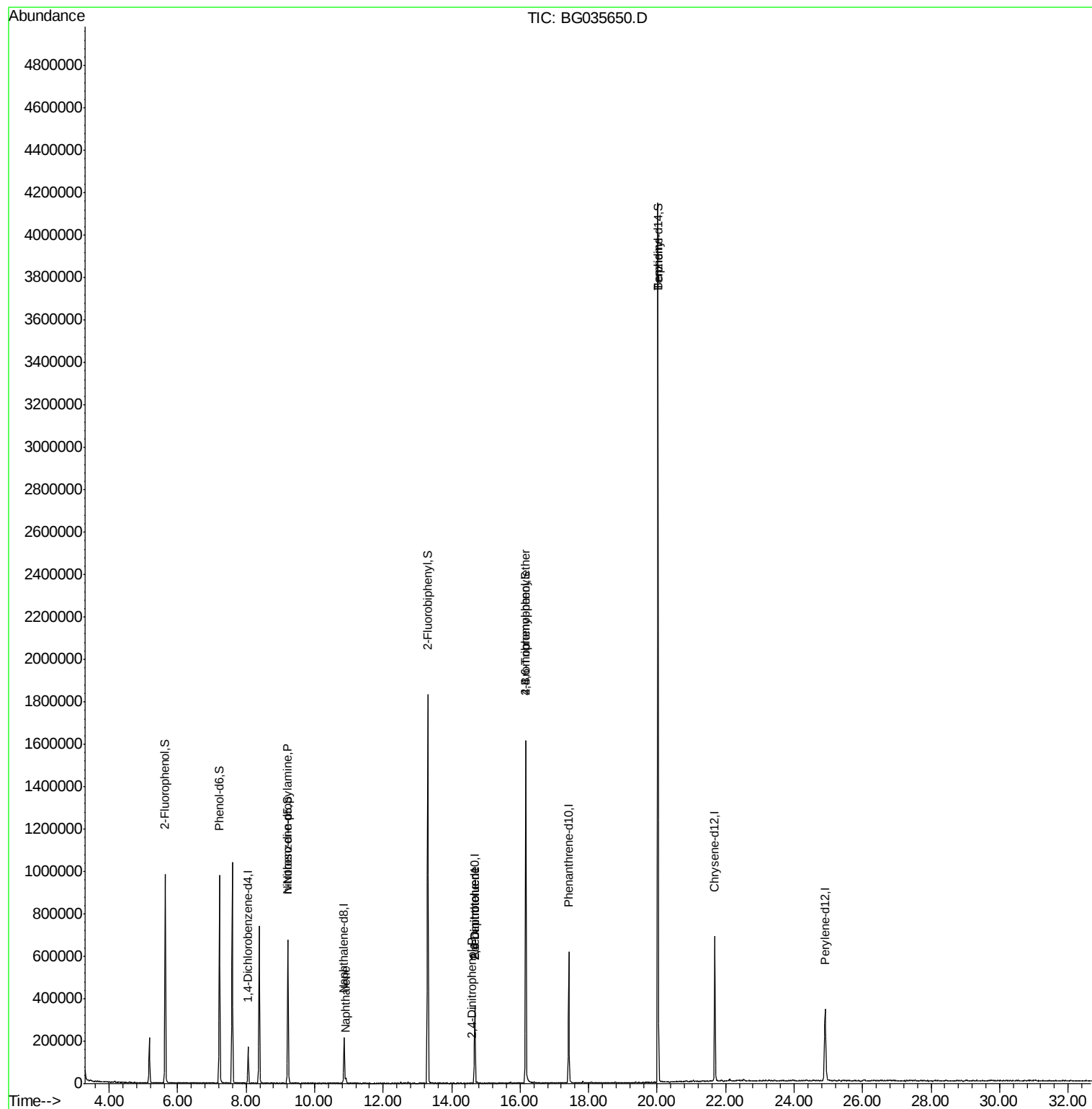
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	47376	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	179954	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	131663	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	379579	20.00	ng	0.00
75) Chrysene-d12	21.68	240	419102	20.00	ng	0.00
86) Perylene-d12	24.90	264	390655	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	412816	144.67	ng	0.00
7) Phenol-d6	7.22	99	557128	130.86	ng	0.00
23) Nitrobenzene-d5	9.22	82	435581	101.12	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	290370	167.32	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	966623	98.36	ng	0.00
78) Terphenyl-d14	20.03	244	1885545	99.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	61911	17.269	ng	Qvalue # 69
31) Naphthalene	10.92	128	20788	2.218	ng	# 91
50) 2,6-Dinitrotoluene	14.67	165	17552	7.472	ng	# 22
53) 2,4-Dinitrophenol	14.58	184	57	6.626	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	17552	5.208	ng	# 20
66) 4-Bromophenyl-phenylether	16.17	248	24407	5.542	ng	# 1
76) Benzidine	20.03	184	35532	3.225	ng	# 94

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

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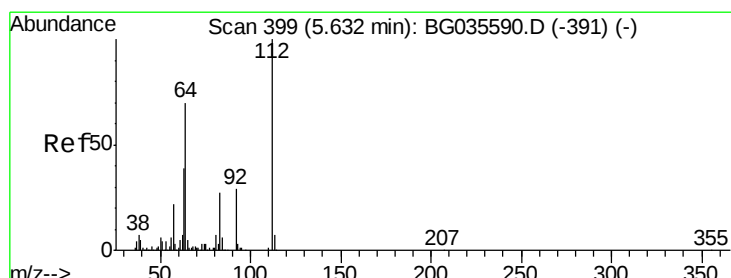
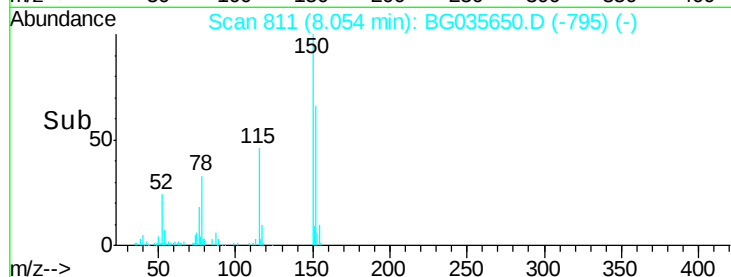
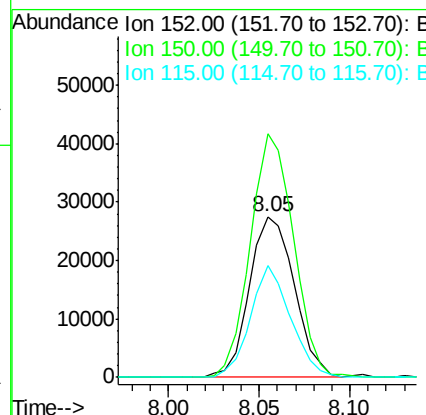
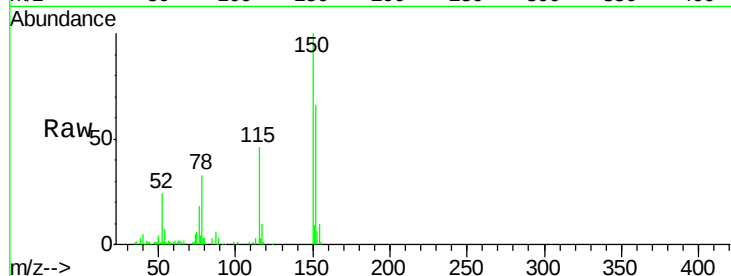


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071218

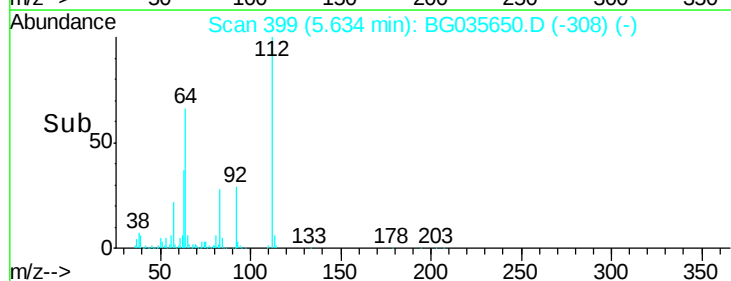
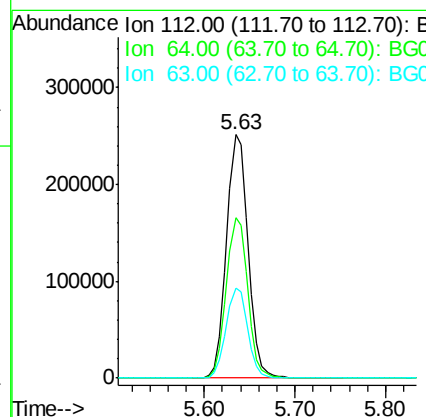
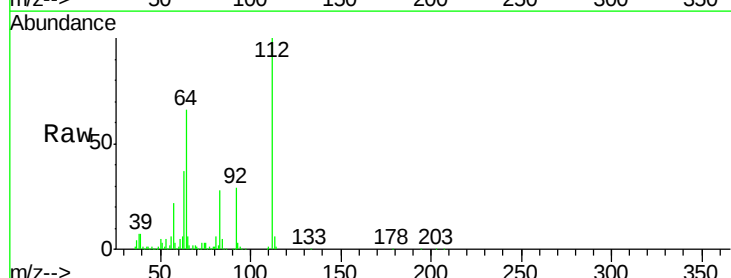
Tgt Ion:152 Resp: 47376
 Ion Ratio Lower Upper
 152 100
 150 151.4 126.6 189.8
 115 69.1 53.0 79.4

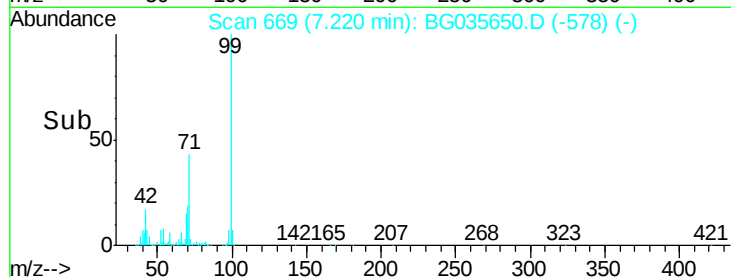
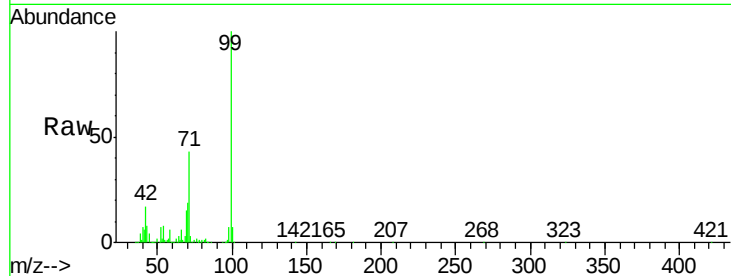
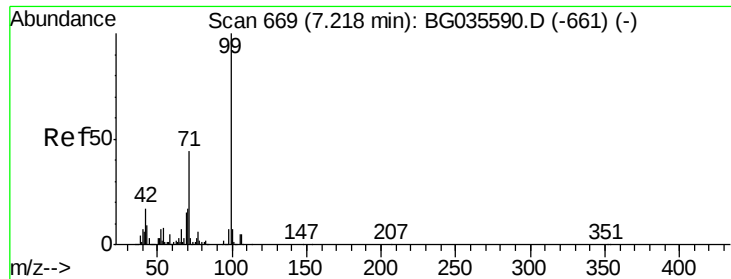


#5

2-Fluorophenol
 Concen: 144.666 ng
 RT: 5.63 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Tgt Ion:112 Resp: 412816
 Ion Ratio Lower Upper
 112 100
 64 66.1 56.3 84.5
 63 37.0 30.1 45.1





#7

Phenol-d6

Concen: 130.858 ng

RT: 7.22 min Scan# 669

Delta R.T. 0.00 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Instrument :

BNA_G

ClientSampleId :

SU-04-071218

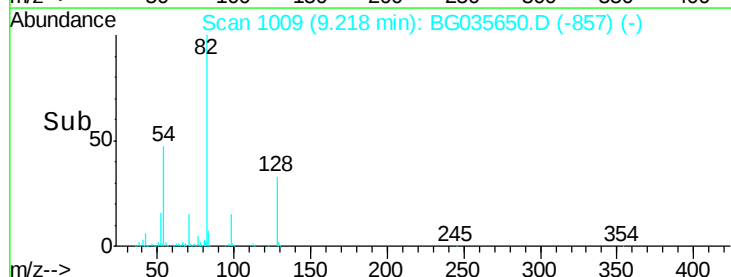
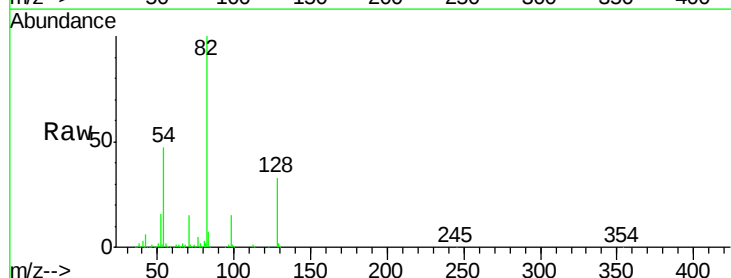
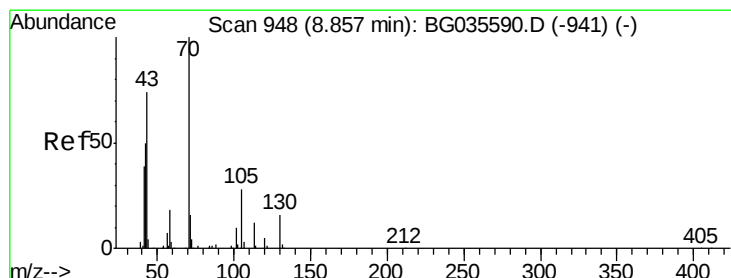
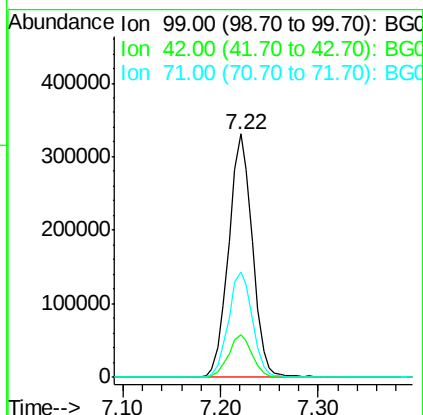
Tgt Ion: 99 Resp: 557128

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

71 43.2 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.269 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Tgt Ion: 70 Resp: 61911

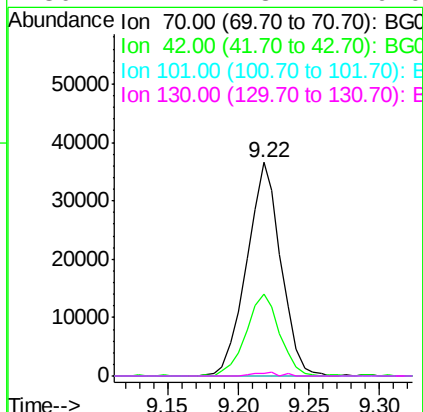
Ion Ratio Lower Upper

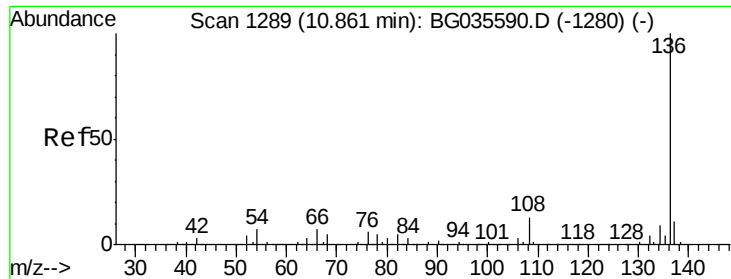
70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

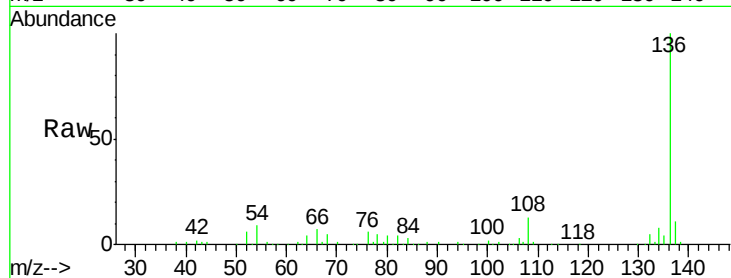




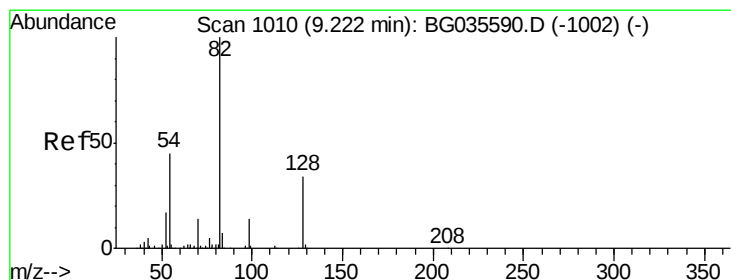
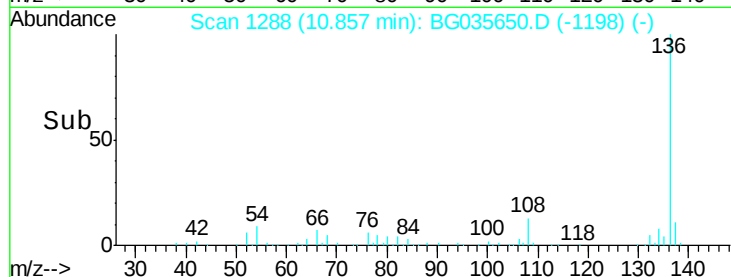
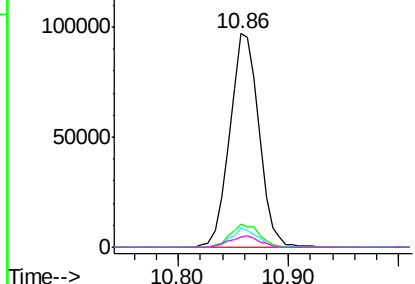
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG035650.D
Acq: 14 Jul 2018 4:30

Instrument :
BNA_G
ClientSampleId :
SU-04-071218

Tgt Ion:	136	Resp:	179954
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.8	10.3	15.5
68	4.8	4.5	6.7

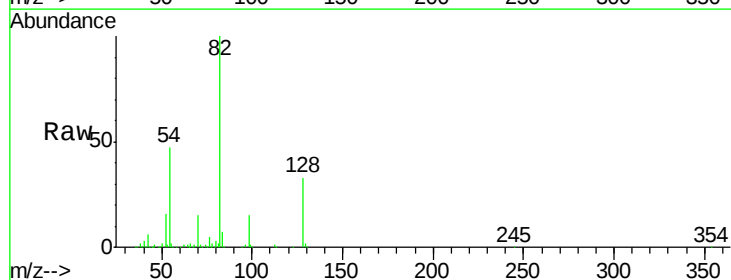


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

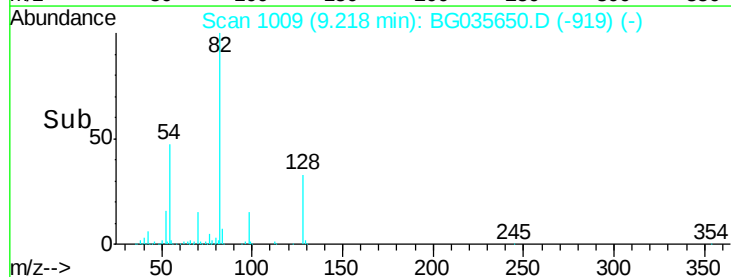
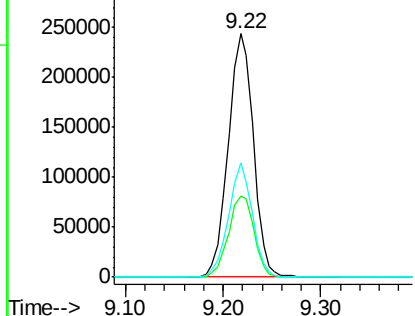


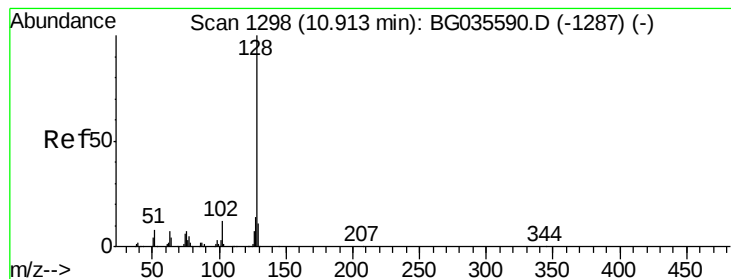
#23
Nitrobenzene-d5
Concen: 101.116 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG035650.D
Acq: 14 Jul 2018 4:30

Tgt Ion:	82	Resp:	435581
Ion	Ratio	Lower	Upper
82	100		
128	33.4	29.7	44.5
54	46.8	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#31

Naphthalene

Concen: 2.218 ng

RT: 10.92 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Instrument :

BNA_G

ClientSampleId :

SU-04-071218

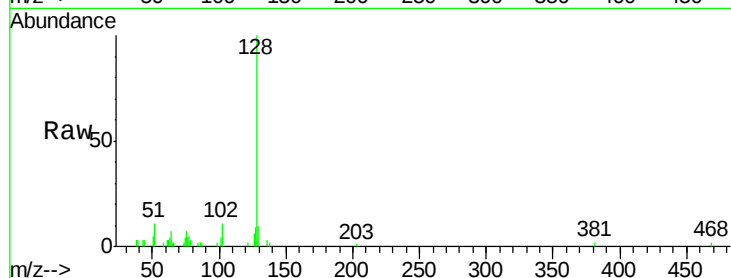
Tgt Ion:128 Resp: 20788

Ion Ratio Lower Upper

128 100

129 9.9 8.6 12.8

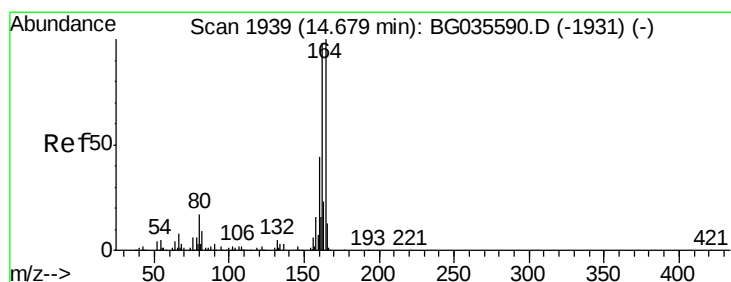
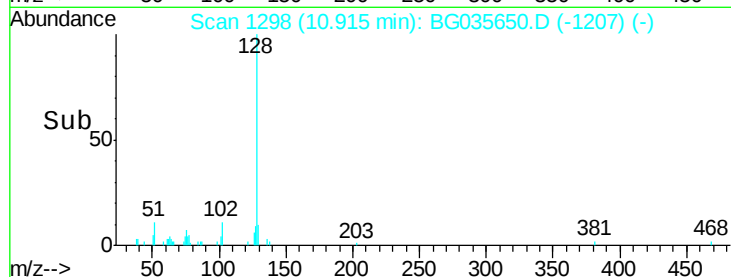
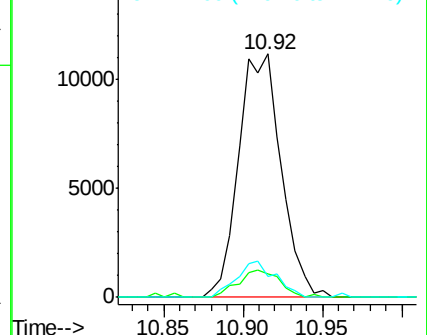
127 8.6 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.00 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

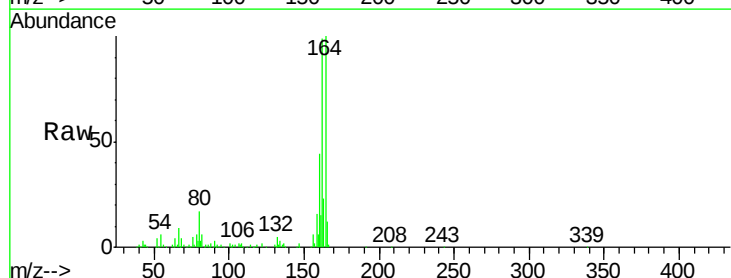
Tgt Ion:164 Resp: 131663

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

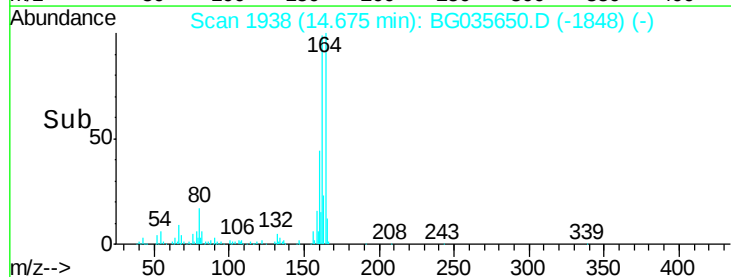
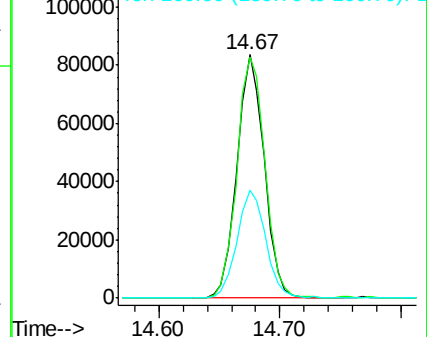
160 44.2 35.4 53.0

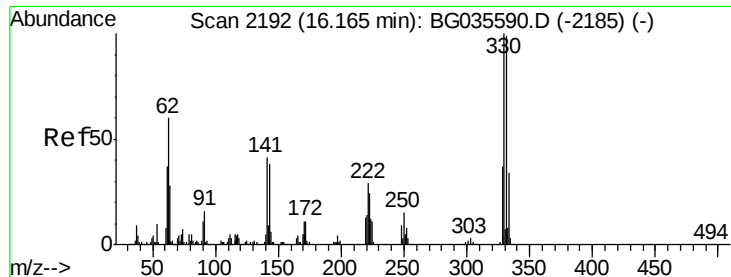


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

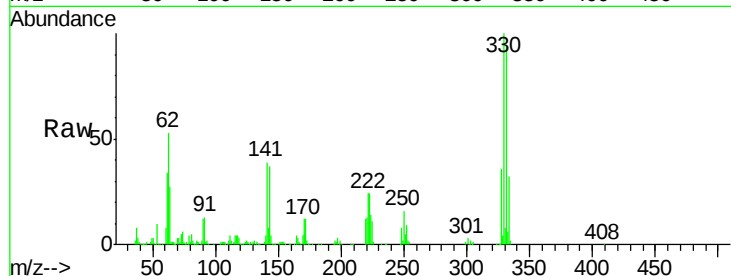




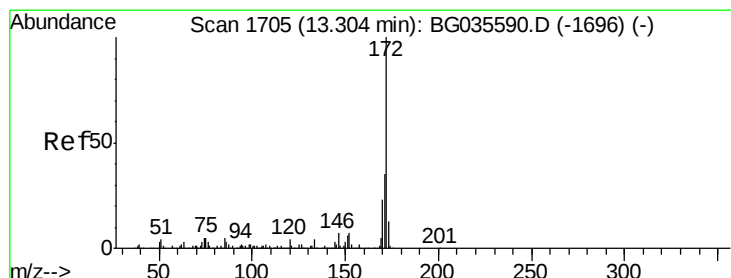
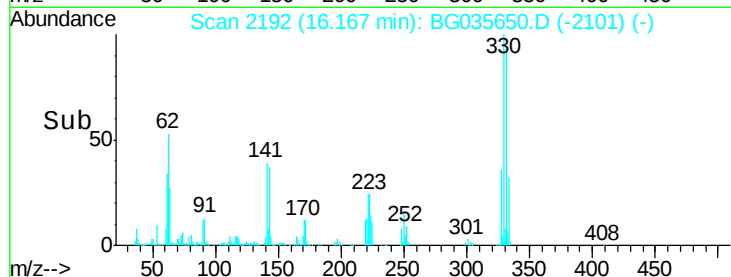
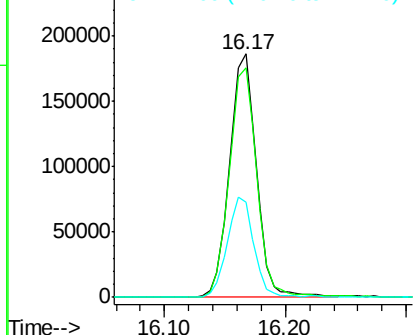
#41
 2,4,6-Tribromophenol
 Concen: 167.321 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071218

Tgt Ion:330 Resp: 290370
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 41.1 25.2 37.8#

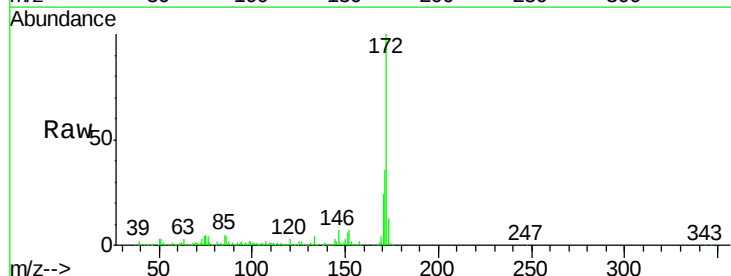


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

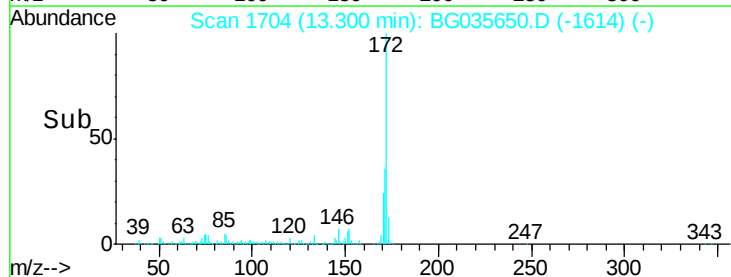
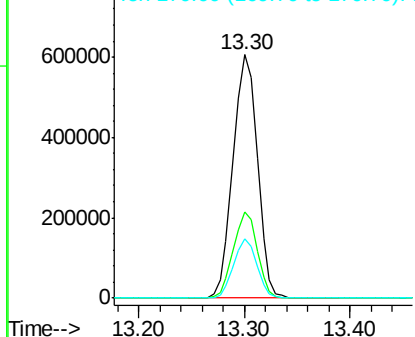


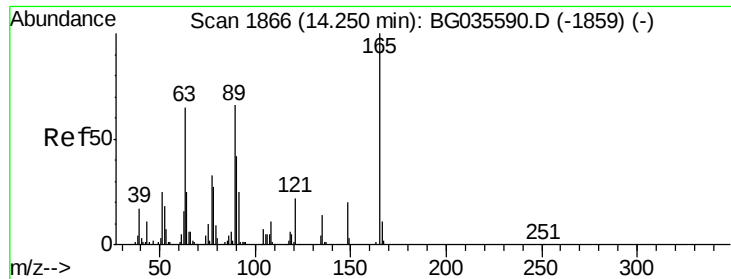
#44
 2-Fluorobiphenyl
 Concen: 98.359 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Tgt Ion:172 Resp: 966623
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.0 45.0
 170 24.2 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: 7.472 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Instrument :

BNA_G

ClientSampleId :

SU-04-071218

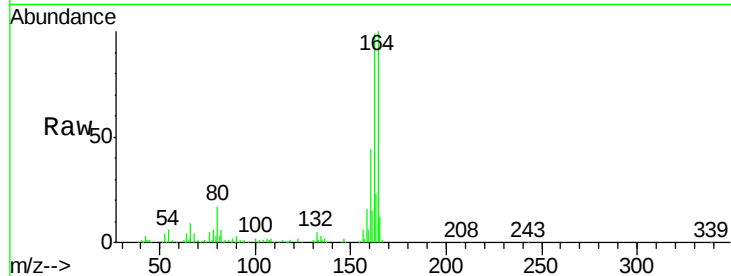
Tgt Ion:165 Resp: 17552

Ion Ratio Lower Upper

165 100

63 2.7 52.7 79.1#

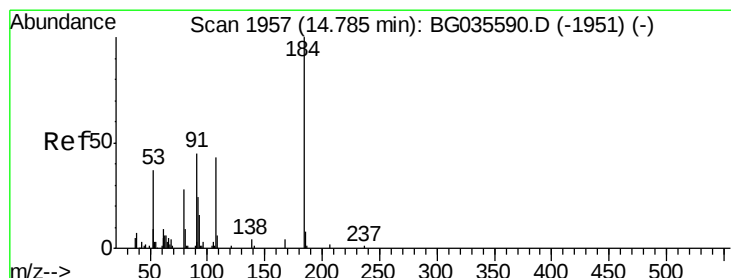
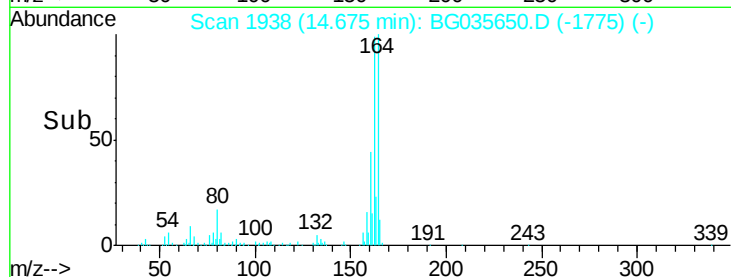
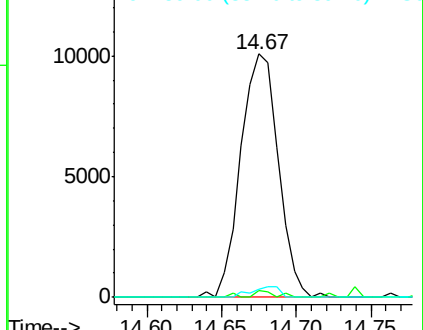
89 3.2 49.2 73.8#



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



#53

2,4-Dinitrophenol

Concen: 6.626 ng

RT: 14.58 min Scan# 1922

Delta R.T. -0.20 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

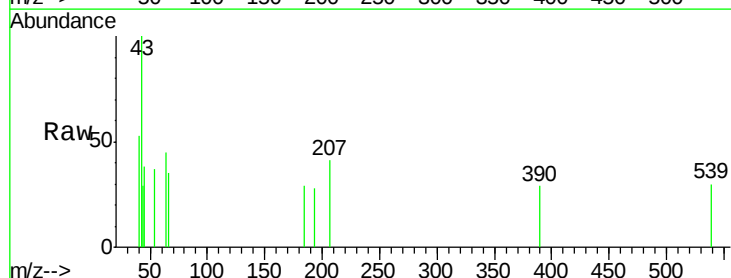
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

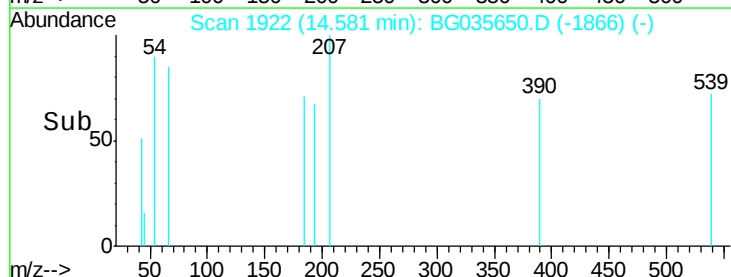
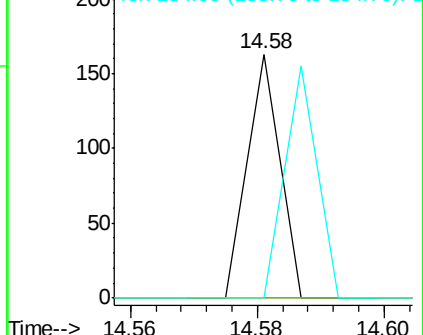
154 0.0 101.8 152.8#

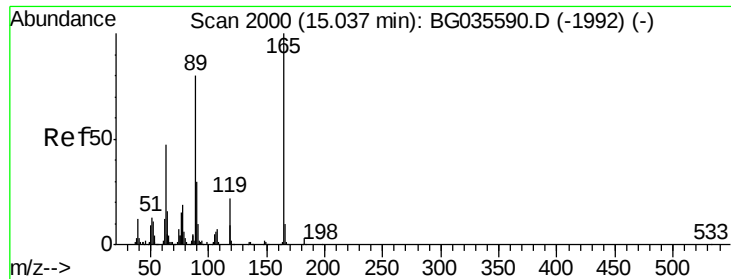


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 5.208 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.36 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Instrument :

BNA_G

ClientSampleId :

SU-04-071218

Tgt Ion:165 Resp: 17552

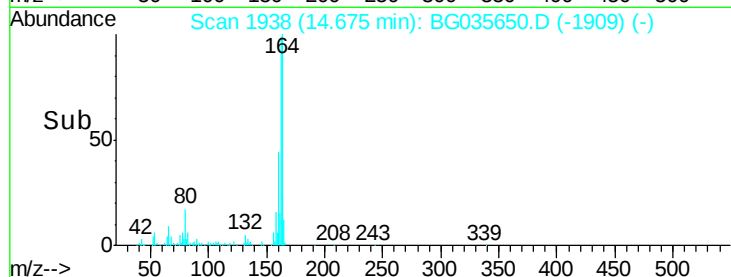
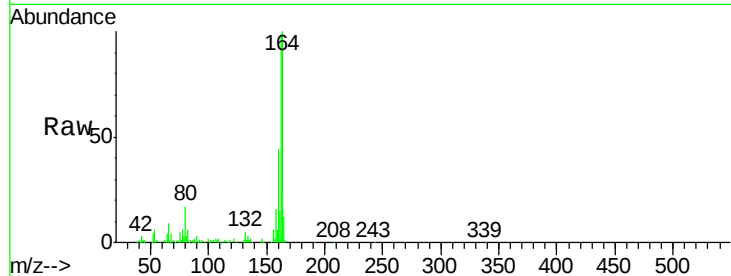
Ion Ratio Lower Upper

165 100

63 2.7 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

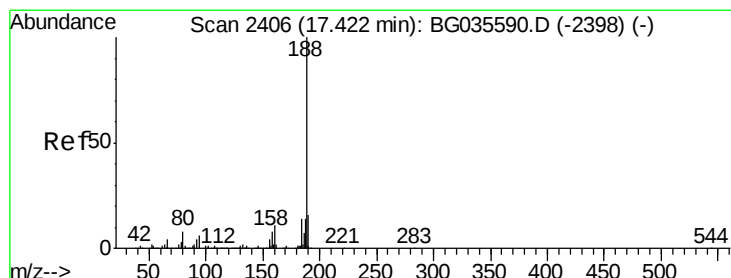
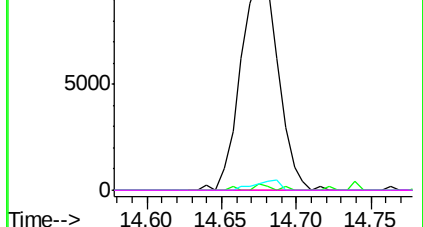


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

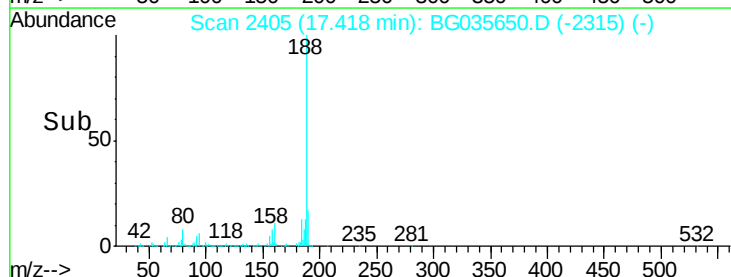
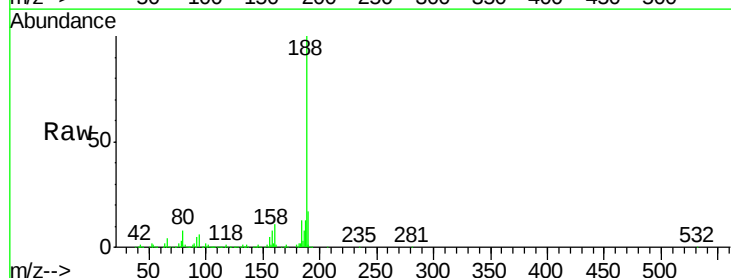
Tgt Ion:188 Resp: 379579

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

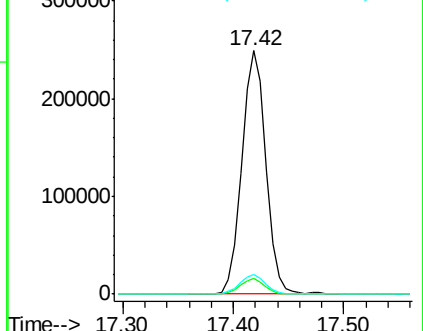
80 7.9 7.7 11.5

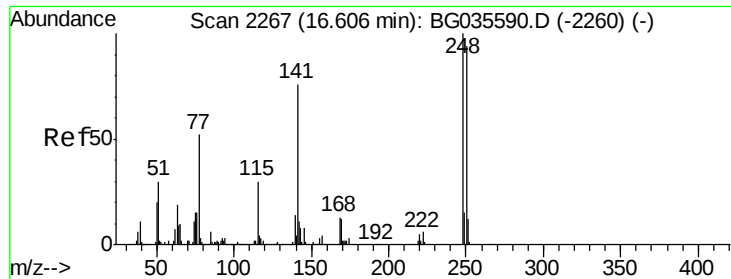


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

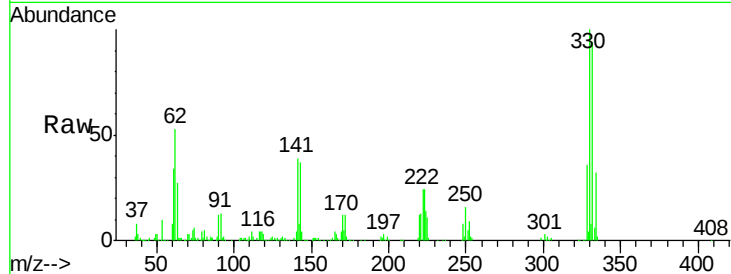




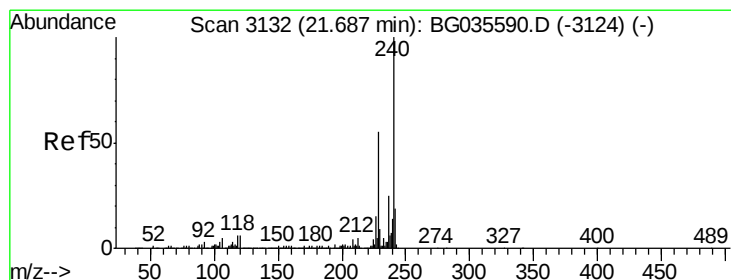
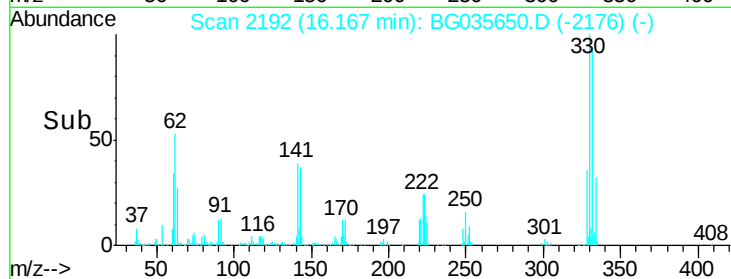
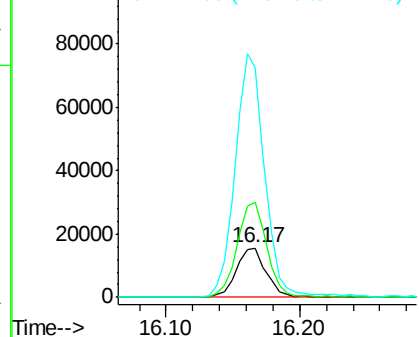
#66
 4-Bromophenyl-phenylether
 Concen: 5.542 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.44 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071218

Tgt Ion: 248 Resp: 24407
 Ion Ratio Lower Upper
 248 100
 250 191.8 77.1 115.7#
 141 464.6 50.8 76.2#

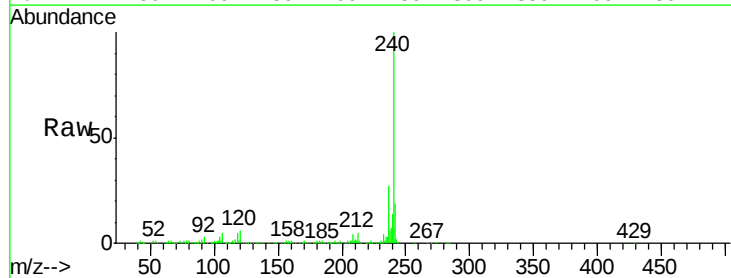


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

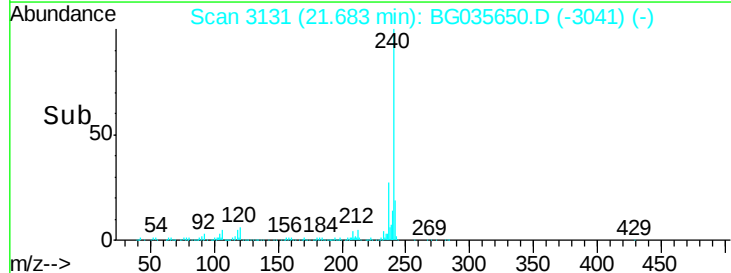
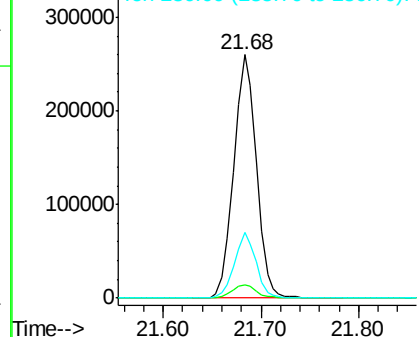


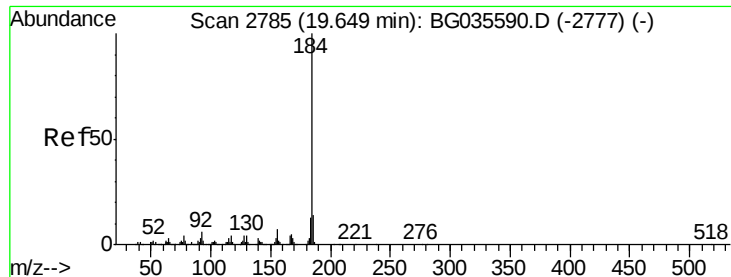
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG035650.D
 Acq: 14 Jul 2018 4:30

Tgt Ion: 240 Resp: 419102
 Ion Ratio Lower Upper
 240 100
 120 5.6 6.8 10.2#
 236 27.0 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: 3.225 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

Instrument :

BNA_G

ClientSampleId :

SU-04-071218

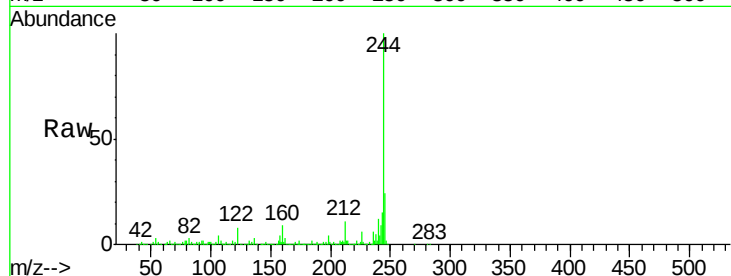
Tgt Ion:184 Resp: 35532

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

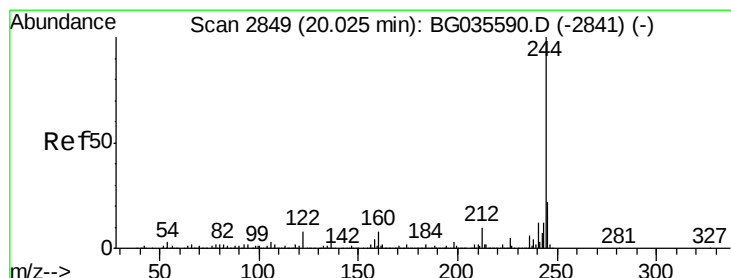
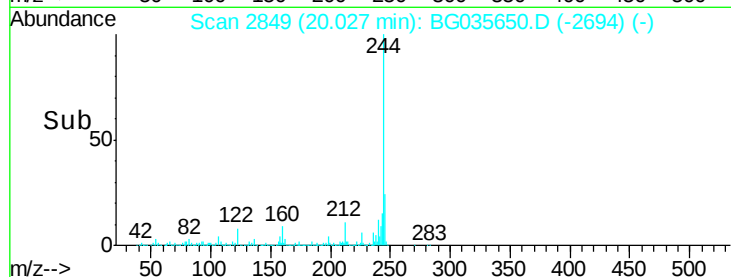
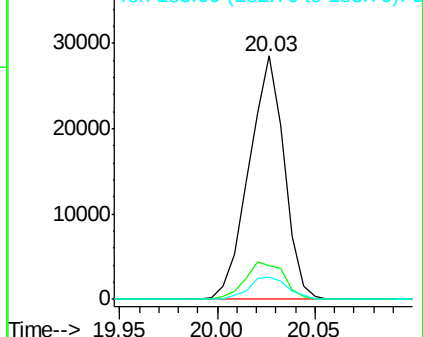
183 8.9 10.6 16.0#



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: 99.172 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG035650.D

Acq: 14 Jul 2018 4:30

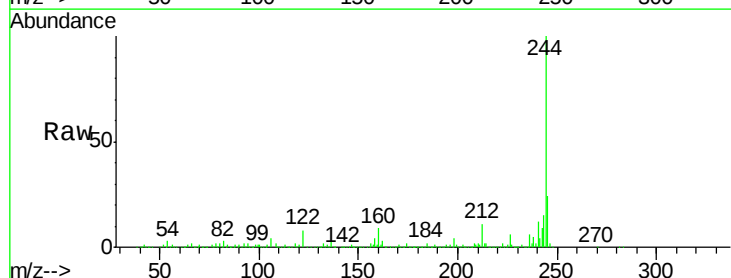
Tgt Ion:244 Resp: 1885545

Ion Ratio Lower Upper

244 100

212 10.8 5.8 8.8#

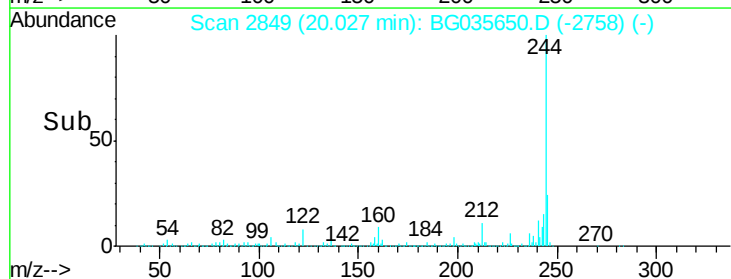
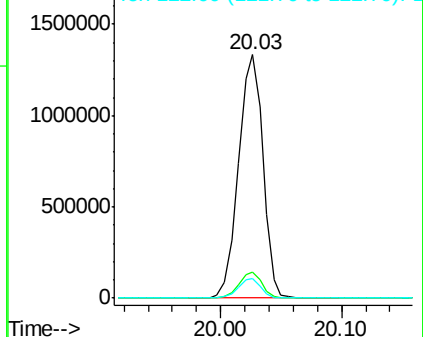
122 8.3 7.0 10.4

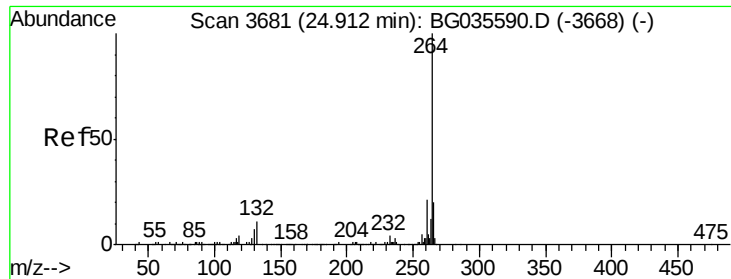


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

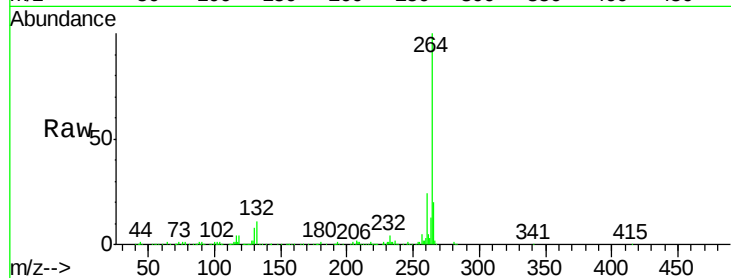




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.01 min
Lab File: BG035650.D
Acq: 14 Jul 2018 4:30

Instrument :
BNA_G
ClientSampleId :
SU-04-071218

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.5	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

