

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035691.D
 Acq On : 17 Jul 2018 20:31
 Operator : JU/SJ
 Sample : J3996-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-1

Quant Time: Jul 18 01:11:07 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

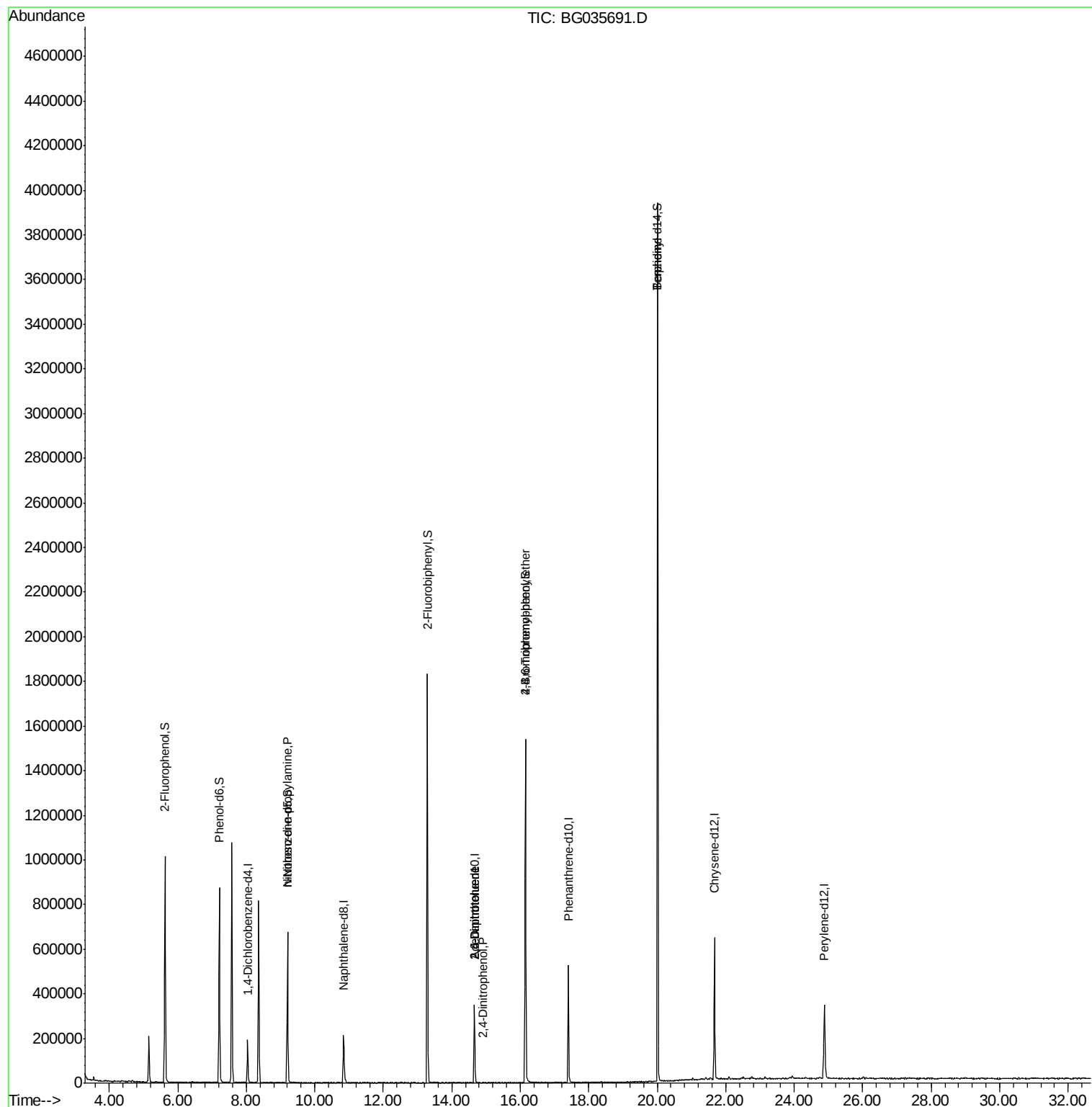
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	53046	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	185165	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	123940	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	344354	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	397985	20.00	ng	-0.02
86) Perylene-d12	24.88	264	364105	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	435153	136.19	ng	0.00
7) Phenol-d6	7.21	99	532888	111.79	ng	0.00
23) Nitrobenzene-d5	9.20	82	460164	103.82	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	281709	172.45	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	966606	104.49	ng	-0.02
78) Terphenyl-d14	20.01	244	1858794	102.95	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	61684	15.366	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	17598	7.958	ng	# 20
53) 2,4-Dinitrophenol	14.92	184	60	6.631	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	17598	5.547	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	21690	5.429	ng	# 1
76) Benzidine	20.02	184	34801	3.326	ng	96

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

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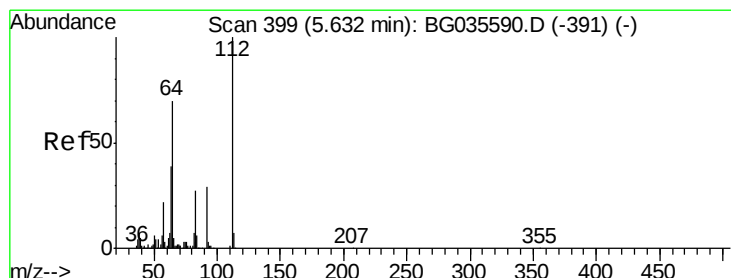
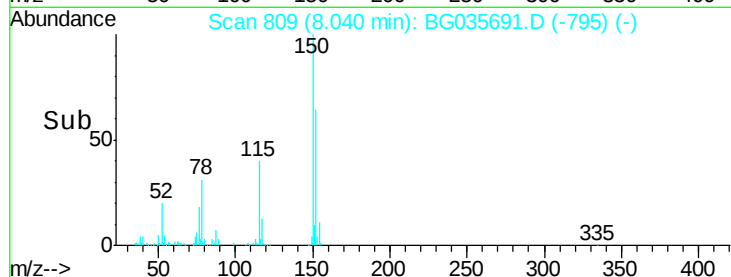
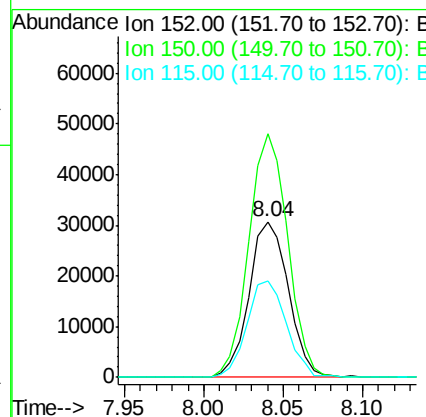
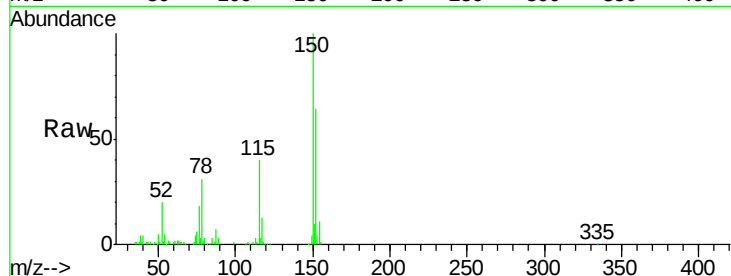


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.02 min
Lab File: BG035691.D
Acq: 17 Jul 2018 20:31

Instrument :
BNA_G
ClientSampleId :
MH-1

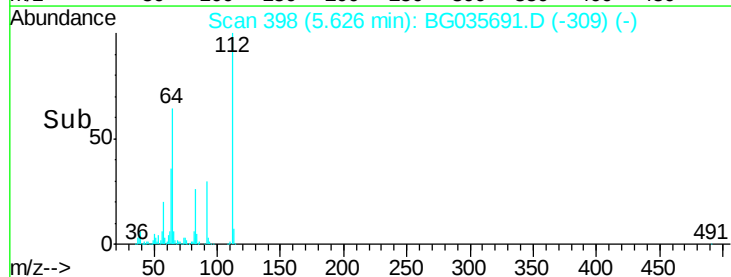
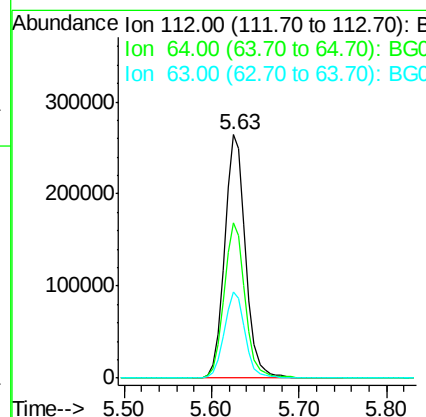
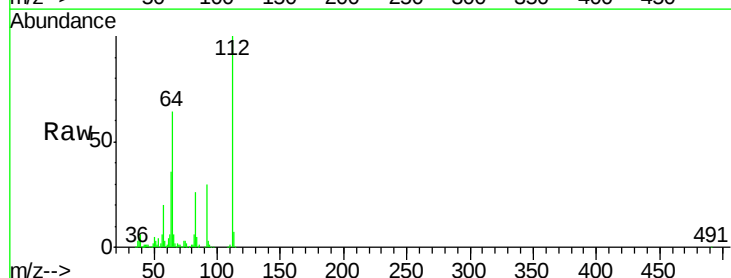
Tgt Ion:152 Resp: 53046
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 61.9 53.0 79.4

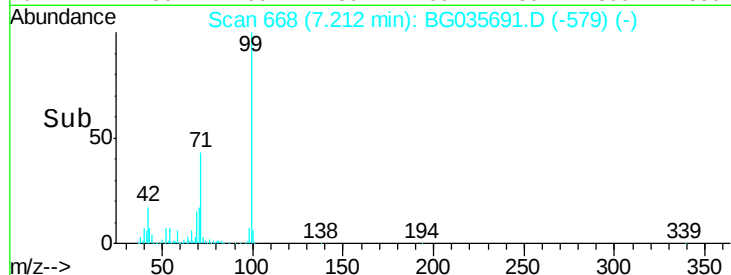
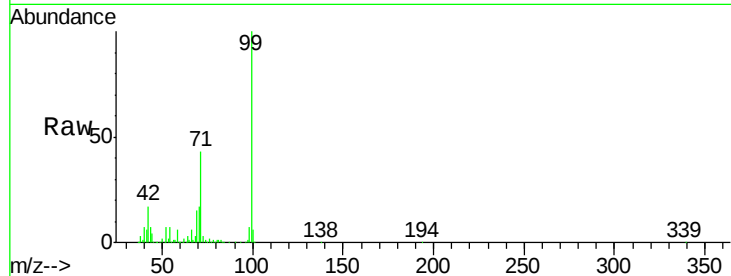


#5

2-Fluorophenol
Concen: 136.194 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035691.D
Acq: 17 Jul 2018 20:31

Tgt Ion:112 Resp: 435153
Ion Ratio Lower Upper
112 100
64 63.7 56.3 84.5
63 35.6 30.1 45.1





#7

Phenol-d6

Concen: 111.786 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

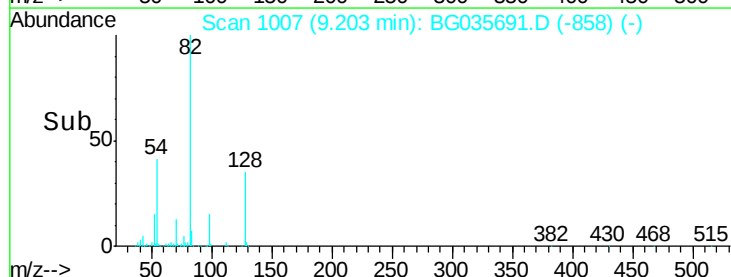
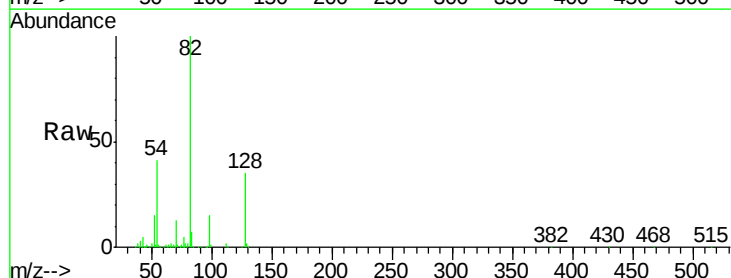
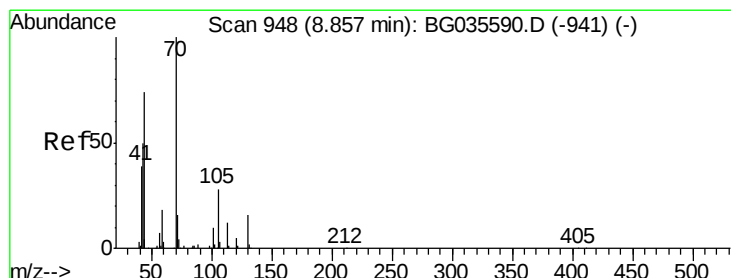
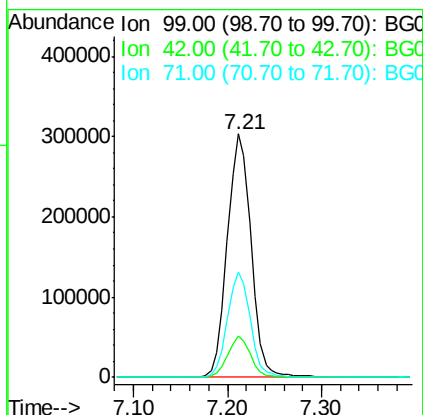
Tgt Ion: 99 Resp: 532888

Ion Ratio Lower Upper

99 100

42 16.9 14.1 21.1

71 43.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.366 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Tgt Ion: 70 Resp: 61684

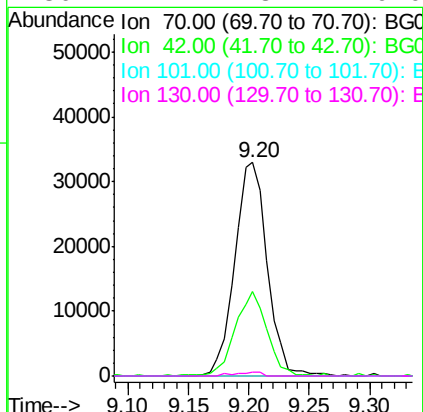
Ion Ratio Lower Upper

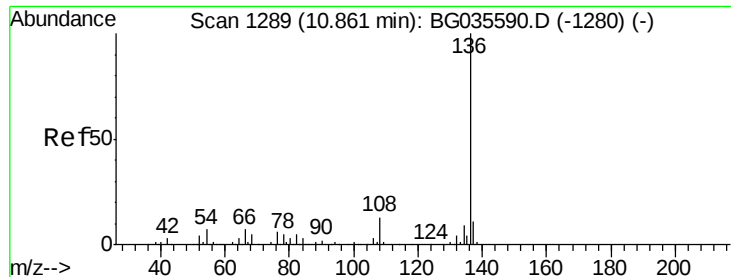
70 100

42 39.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

Tgt Ion: 136 Resp: 185165

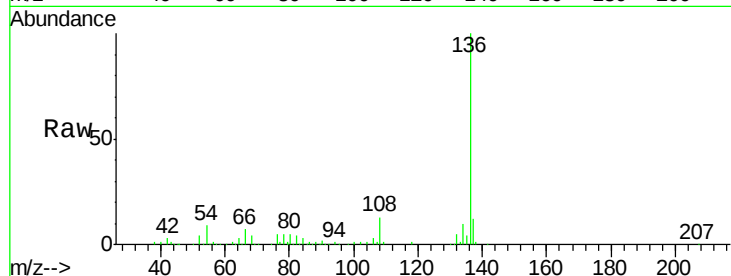
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 8.7 10.3 15.5#

68 4.4 4.5 6.7#

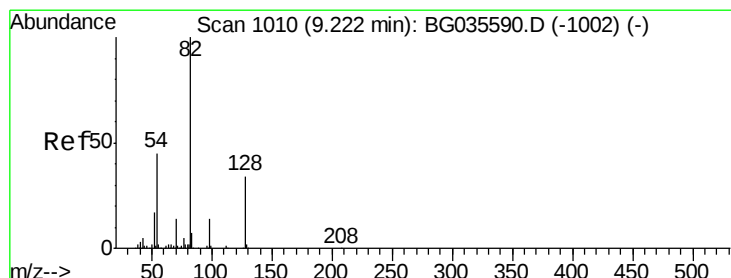
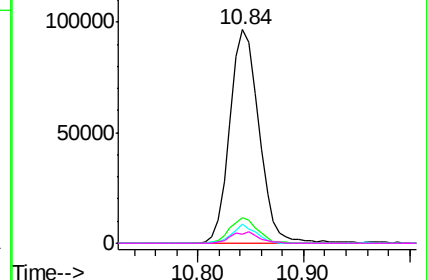
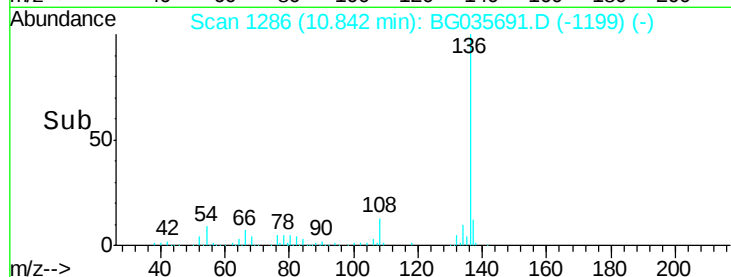


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.817 ng

RT: 9.20 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

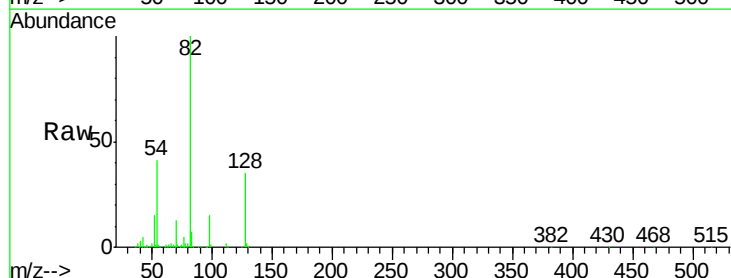
Tgt Ion: 82 Resp: 460164

Ion Ratio Lower Upper

82 100

128 35.4 29.7 44.5

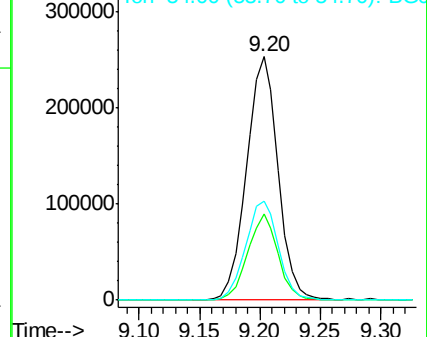
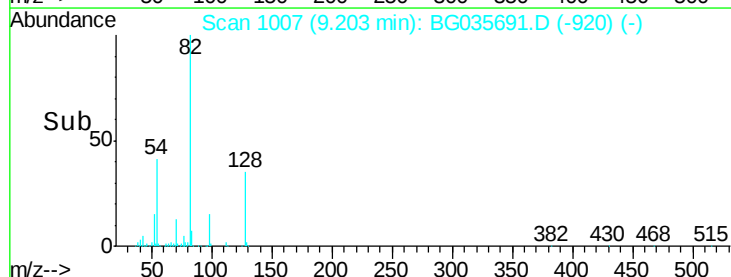
54 40.8 43.1 64.7#



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: 14.66 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

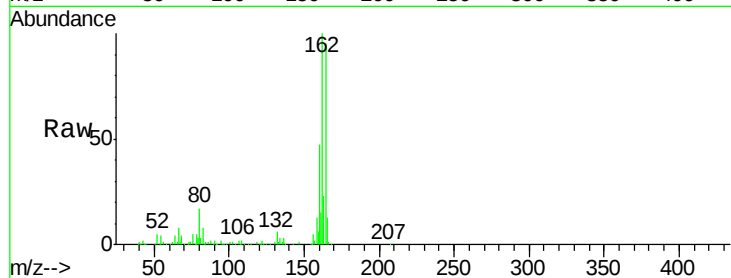
Tgt Ion:164 Resp: 123940

Ion Ratio Lower Upper

164 100

162 105.0 78.8 118.2

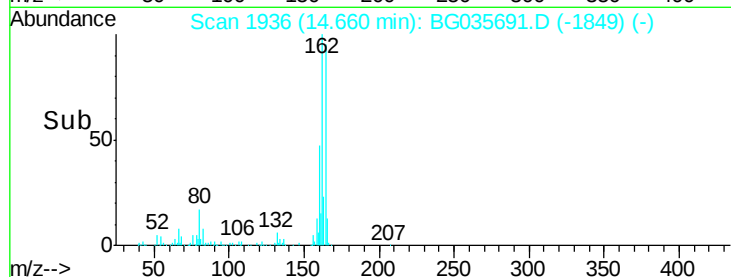
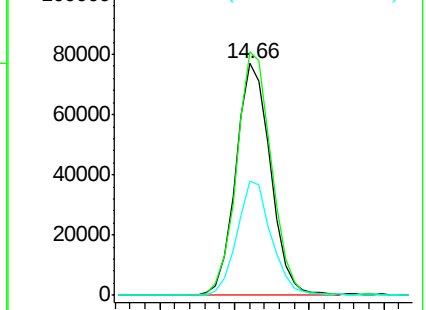
160 49.0 35.4 53.0



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: 172.446 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

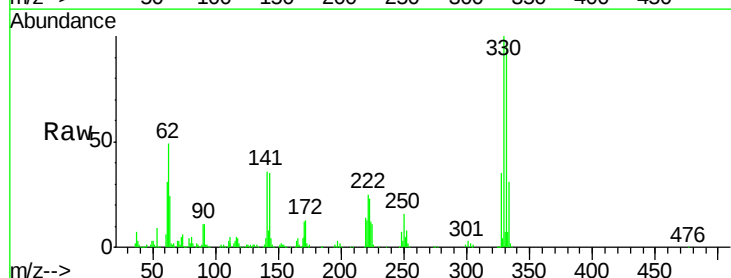
Tgt Ion:330 Resp: 281709

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

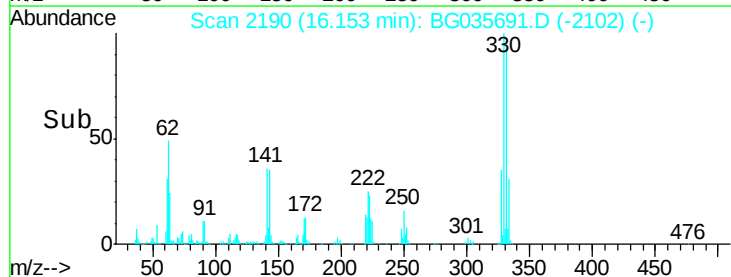
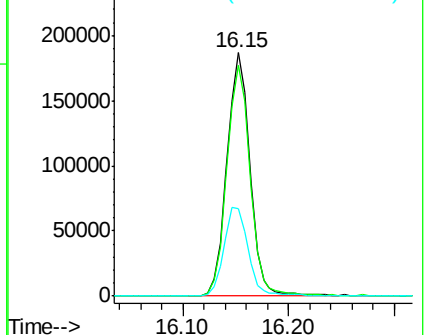
141 38.4 25.2 37.8#

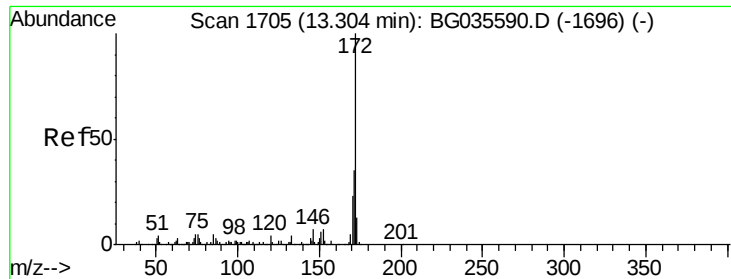


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

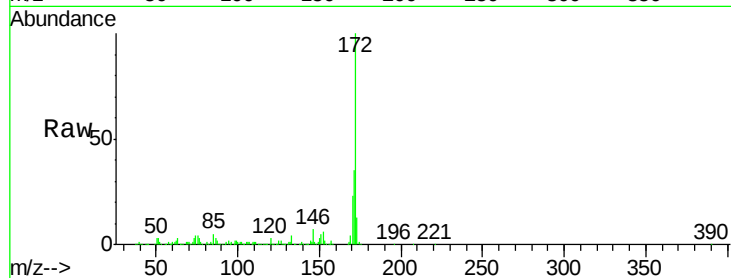




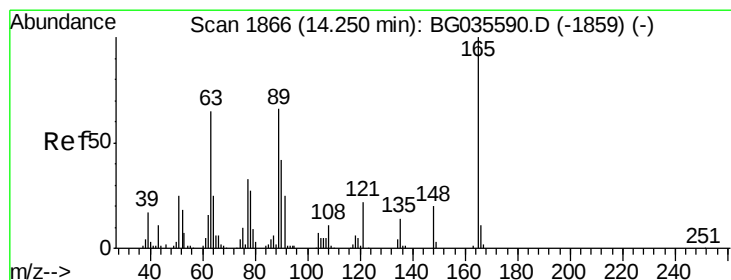
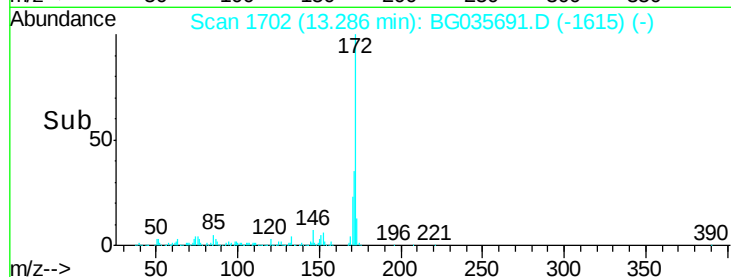
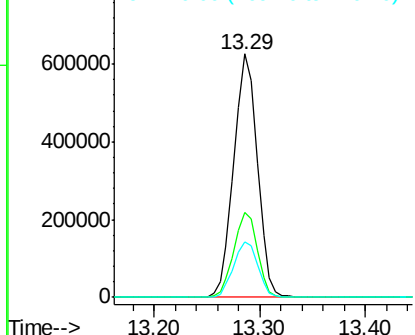
#44
 2-Fluorobiphenyl
 Concen: 104.486 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.02 min
 Lab File: BG035691.D
 Acq: 17 Jul 2018 20:31

Instrument :
 BNA_G
 ClientSampleId :
 MH-1

Tgt Ion:	172	Resp:	966606
Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.0	45.0
170	22.8	19.5	29.3

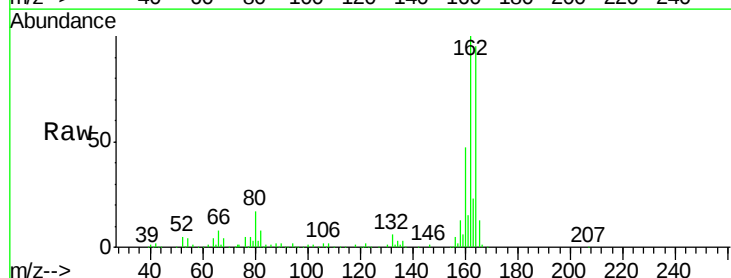


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

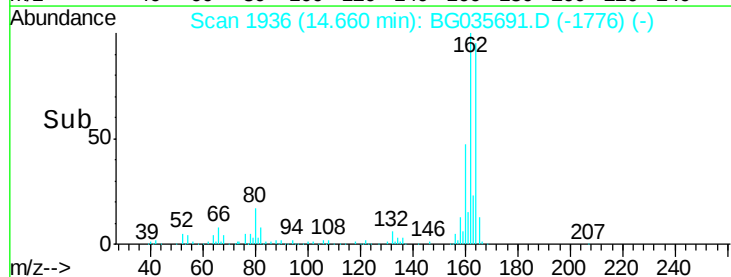
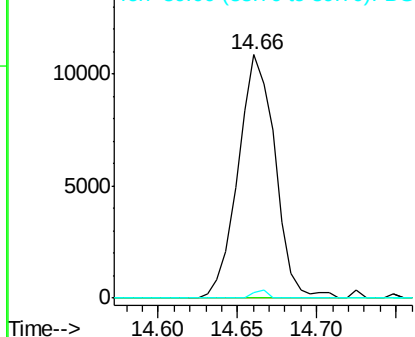


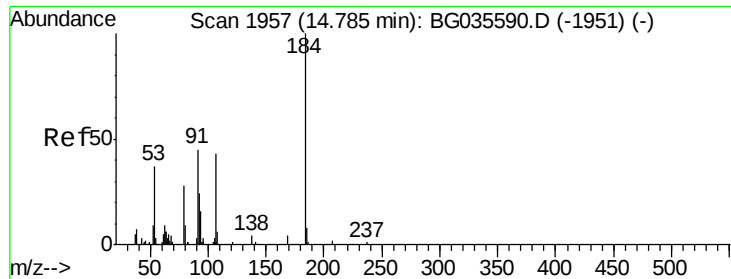
#50
 2,6-Dinitrotoluene
 Concen: 7.958 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.41 min
 Lab File: BG035691.D
 Acq: 17 Jul 2018 20:31

Tgt Ion:	165	Resp:	17598
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	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

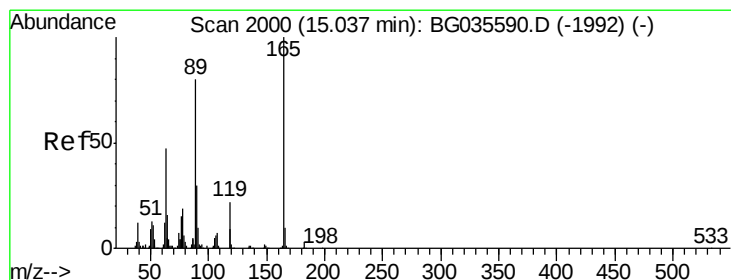
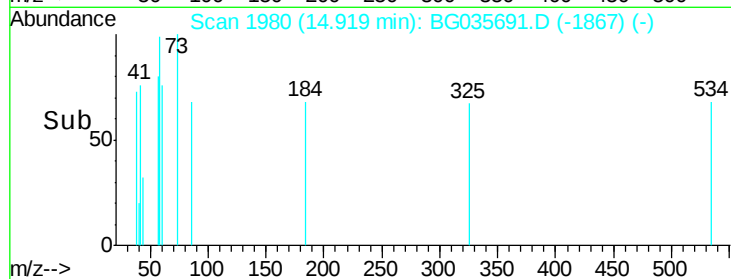
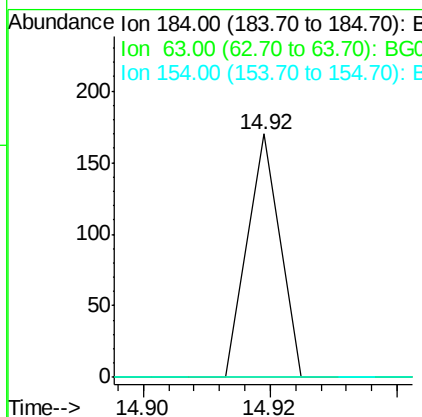
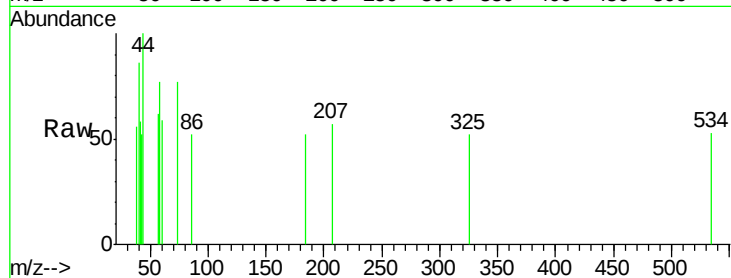




#53
2,4-Dinitrophenol
Concen: 6.631 ng
RT: 14.92 min Scan# 1980
Delta R.T. 0.13 min
Lab File: BG035691.D
Acq: 17 Jul 2018 20:31

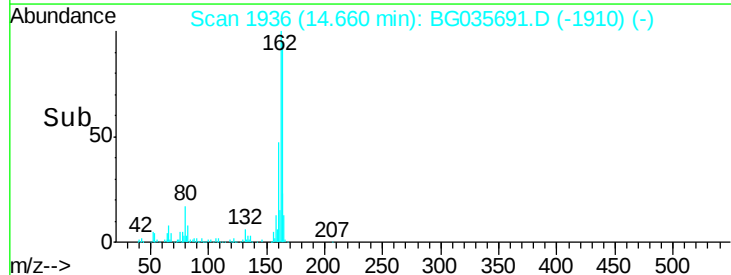
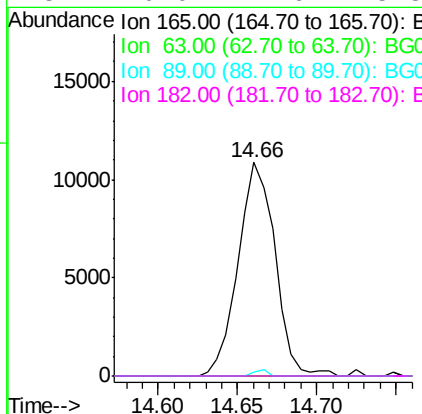
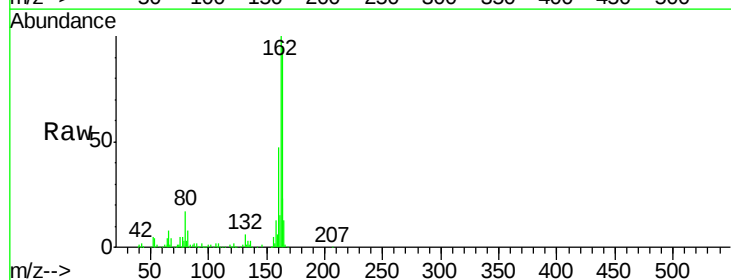
Instrument :
BNA_G
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MH-1

Tgt Ion:184 Resp: 60
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: 5.547 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.38 min
Lab File: BG035691.D
Acq: 17 Jul 2018 20:31

Tgt Ion:165 Resp: 17598
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2403

Delta R.T. -0.02 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

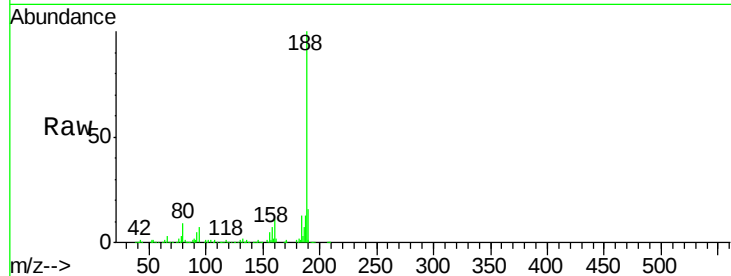
Tgt Ion:188 Resp: 344354

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

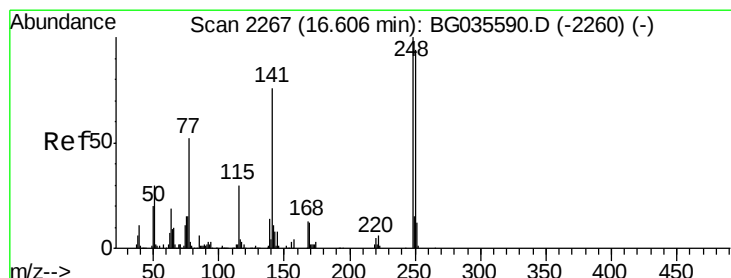
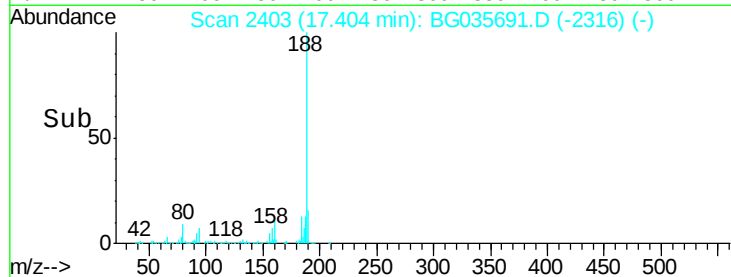
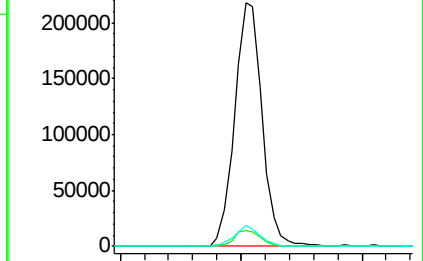
80 8.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#66

4-Bromophenyl-phenylether

Concen: 5.429 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.45 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

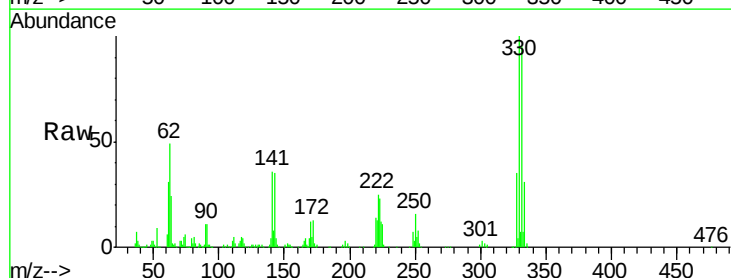
Tgt Ion:248 Resp: 21690

Ion Ratio Lower Upper

248 100

250 220.3 77.1 115.7#

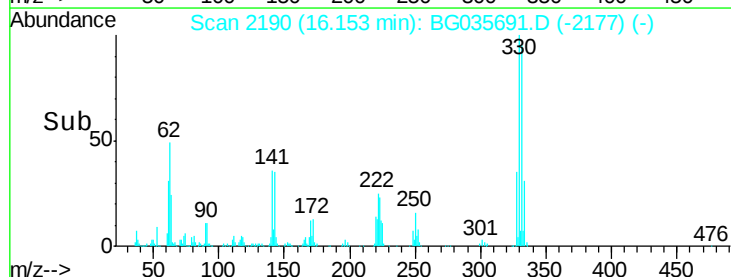
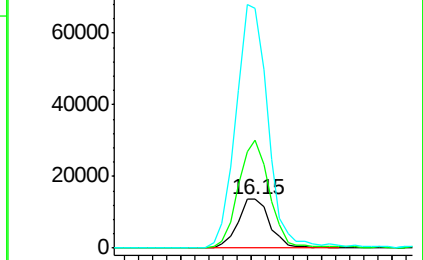
141 489.1 50.8 76.2#



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: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

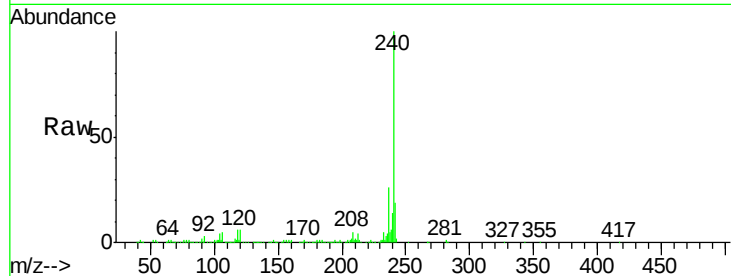
Tgt Ion:240 Resp: 397985

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

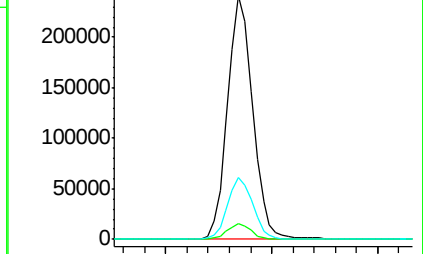
236 25.6 20.9 31.3



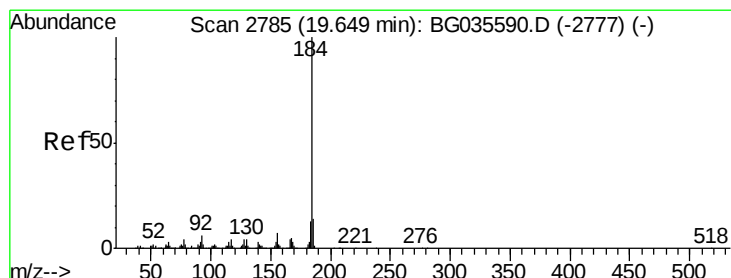
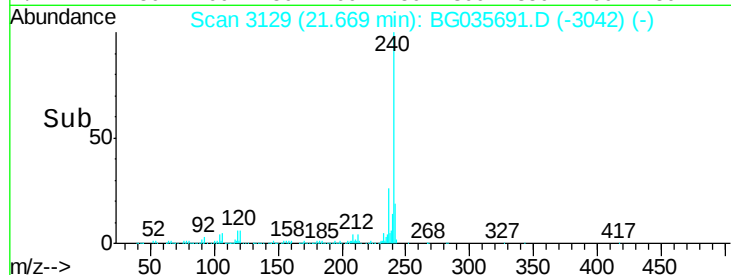
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 3.326 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

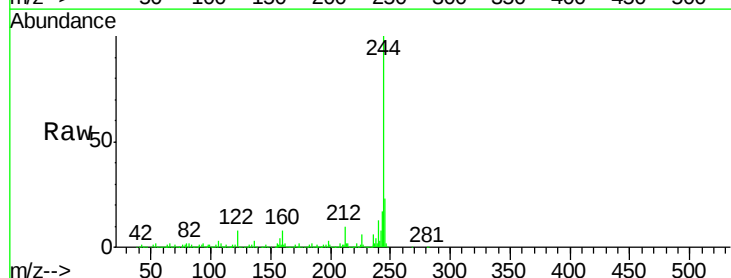
Tgt Ion:184 Resp: 34801

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

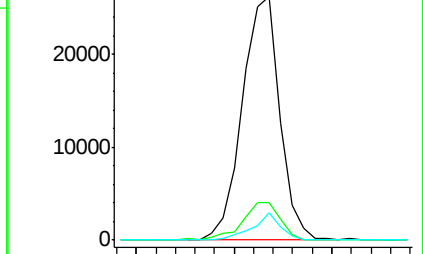
183 11.5 10.6 16.0



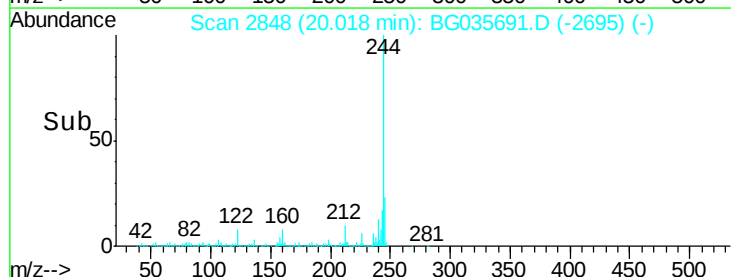
Abundance Ion 184.00 (183.70 to 184.70): E

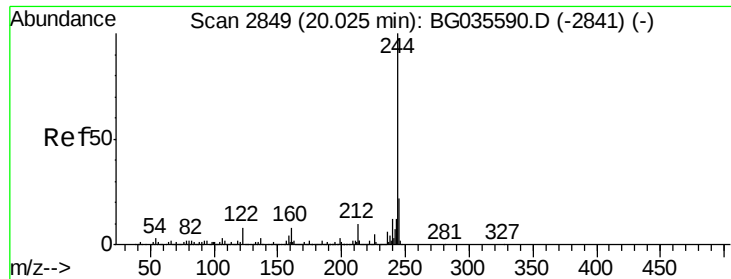
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#78

Terphenyl-d14

Concen: 102.952 ng

RT: 20.01 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

Instrument :

BNA_G

ClientSampleId :

MH-1

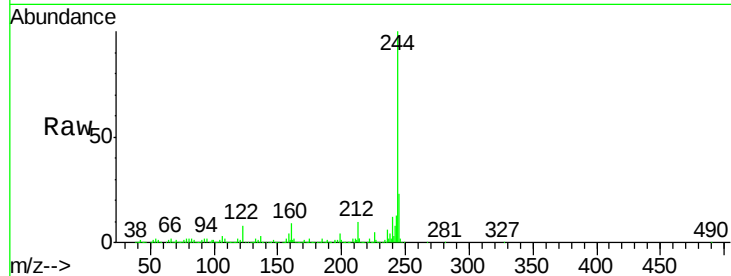
Tgt Ion:244 Resp: 1858794

Ion Ratio Lower Upper

244 100

212 10.1 5.8 8.8#

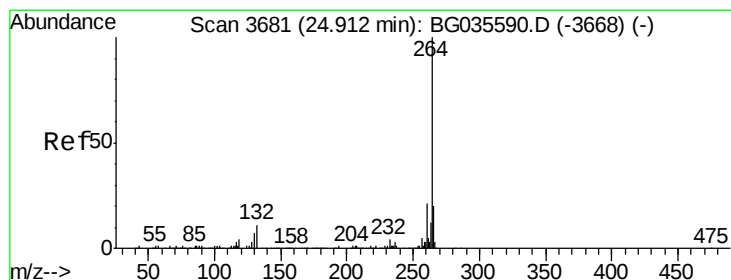
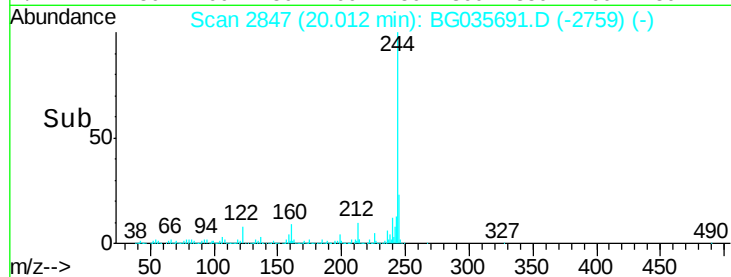
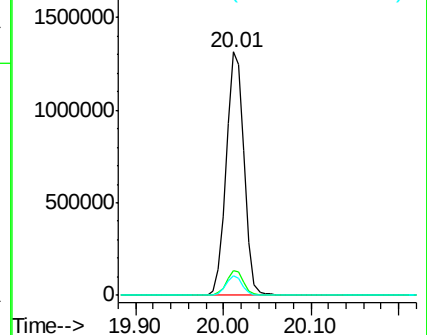
122 8.0 7.0 10.4



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: 24.88 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG035691.D

Acq: 17 Jul 2018 20:31

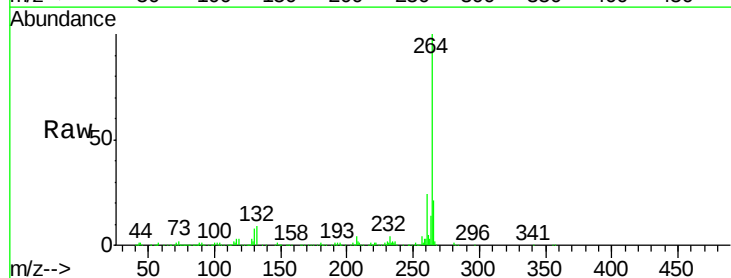
Tgt Ion:264 Resp: 364105

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 20.9 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

