

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072018\
 Data File : BG035797.D
 Acq On : 20 Jul 2018 23:19
 Operator : JU/SJ
 Sample : J4083-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-6

Quant Time: Jul 21 00:39:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 15:28:54 2018
 Response via : Initial Calibration

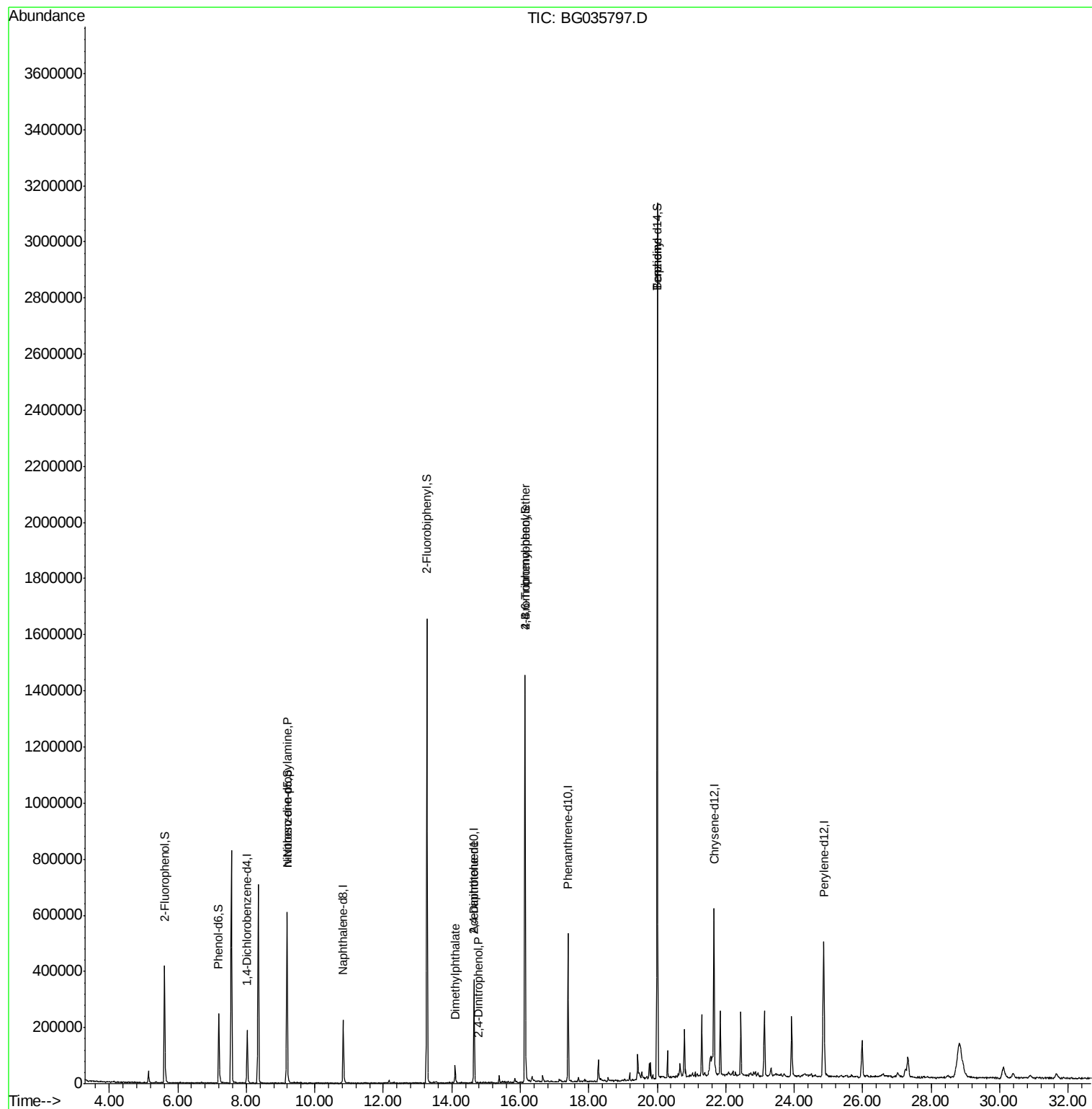
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	51092	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	190562	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	131007	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	330220	20.00	ng	0.00
75) Chrysene-d12	21.66	240	341869	20.00	ng	0.00
86) Perylene-d12	24.85	264	340249	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	193776	62.97	ng	0.00
7) Phenol-d6	7.20	99	166857	36.34	ng	0.00
23) Nitrobenzene-d5	9.19	82	419828	92.03	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	260801	151.04	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	897703	91.80	ng	0.00
78) Terphenyl-d14	20.00	244	1525951	98.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	57062	14.759	ng	# 72
49) Dimethylphthalate	14.10	163	44447	3.872	ng	# 97
53) 2,4-Dinitrophenol	14.79	184	66	6.633	ng	# 1
56) 2,4-Dinitrotoluene	14.66	165	18269	5.448	ng	# 17
66) 4-Bromophenyl-phenylether	16.14	248	22409	5.849	ng	# 1
76) Benzidine	20.00	184	28414	3.161	ng	# 85

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

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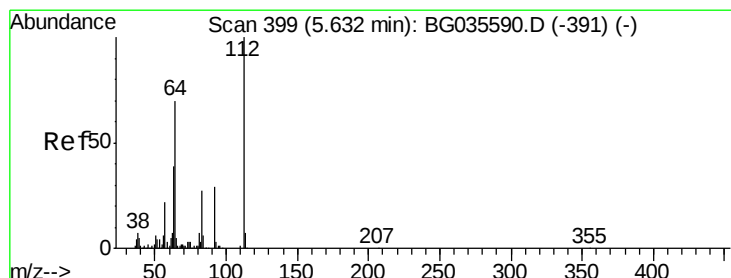
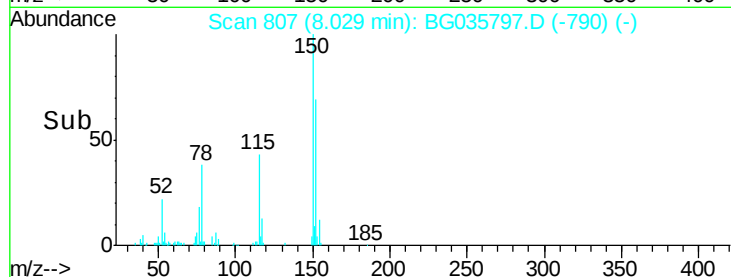
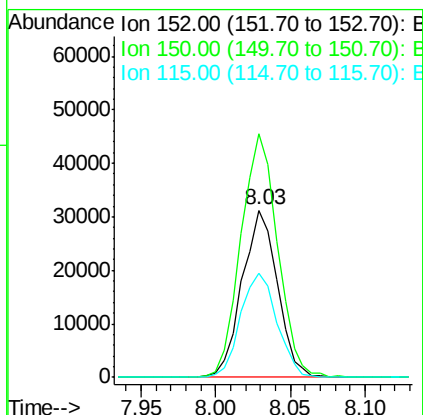
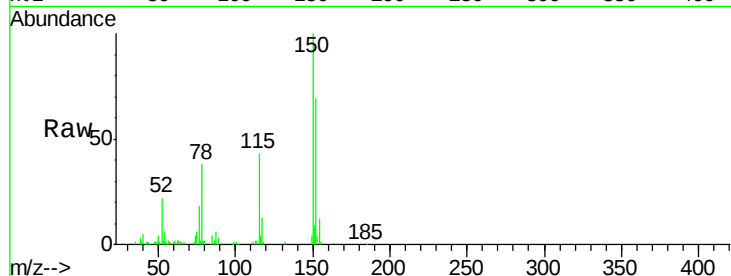


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. 0.00 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Instrument :
BNA_G
ClientSampleId :
MH-6

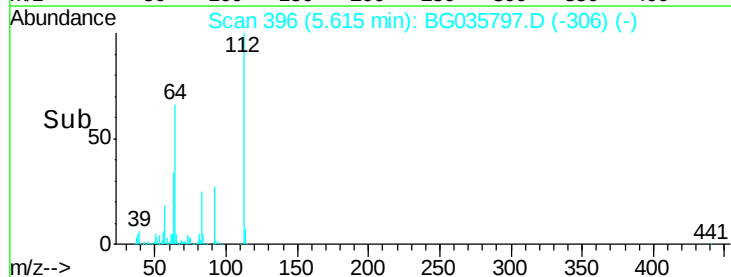
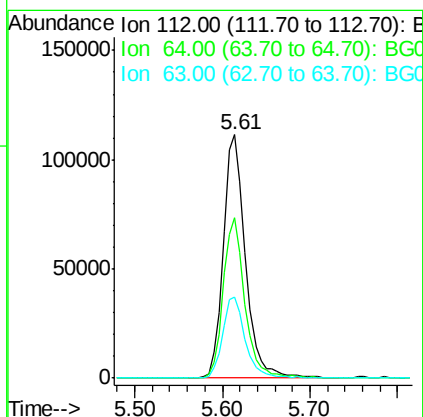
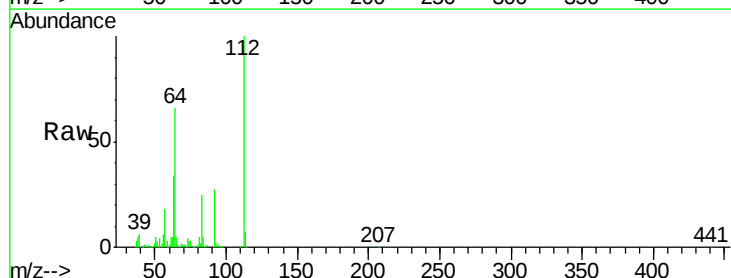
Tgt Ion:152 Resp: 51092
Ion Ratio Lower Upper
152 100
150 145.8 126.6 189.8
115 62.4 53.0 79.4

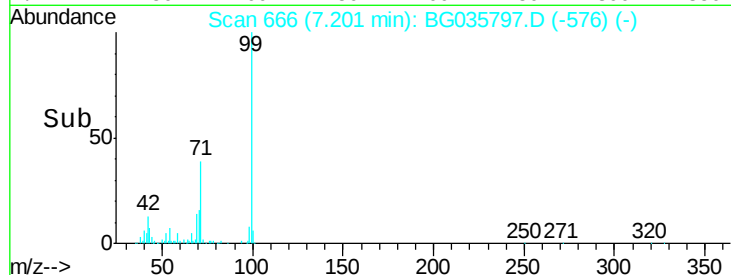
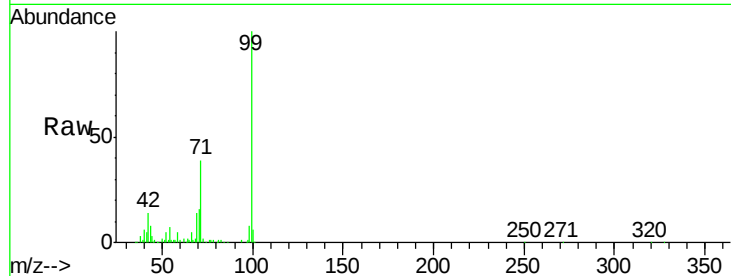


#5

2-Fluorophenol
Concen: 62.968 ng
RT: 5.61 min Scan# 396
Delta R.T. 0.00 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Tgt Ion:112 Resp: 193776
Ion Ratio Lower Upper
112 100
64 65.8 56.3 84.5
63 33.5 30.1 45.1





#7

Phenol-d6

Concen: 36.341 ng

RT: 7.20 min Scan# 666

Delta R.T. 0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

BNA_G

ClientSampleId :

MH-6

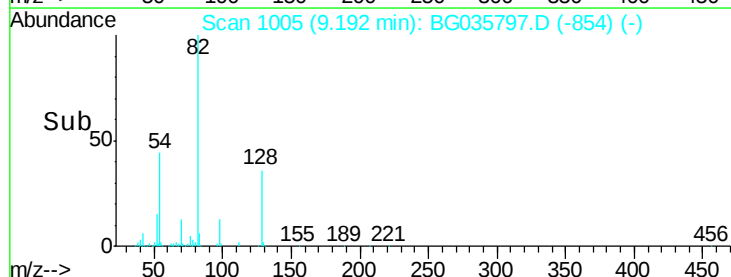
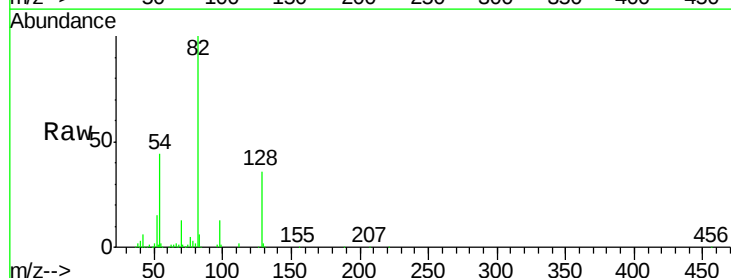
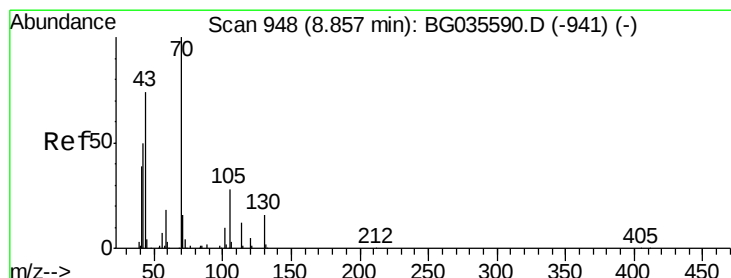
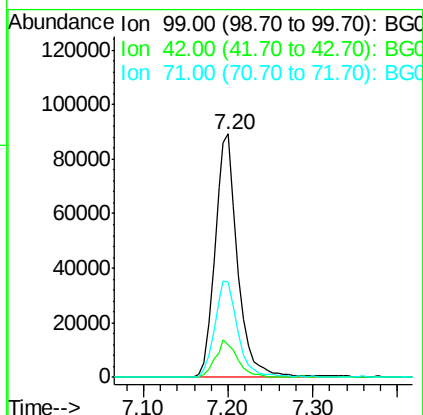
Tgt Ion: 99 Resp: 166857

Ion Ratio Lower Upper

99 100

42 13.5 14.1 21.1#

71 39.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.759 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.36 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Tgt Ion: 70 Resp: 57062

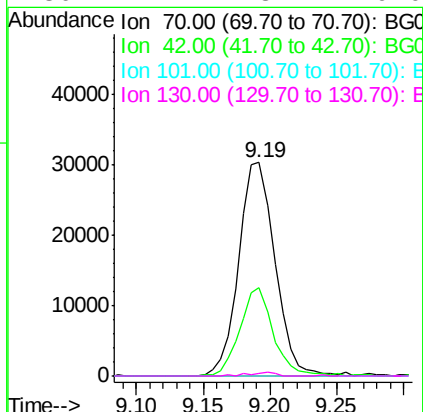
Ion Ratio Lower Upper

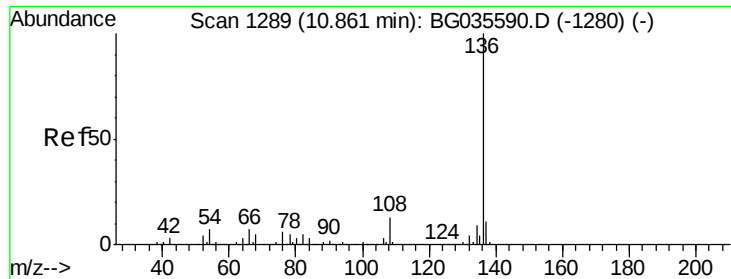
70 100

42 41.6 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

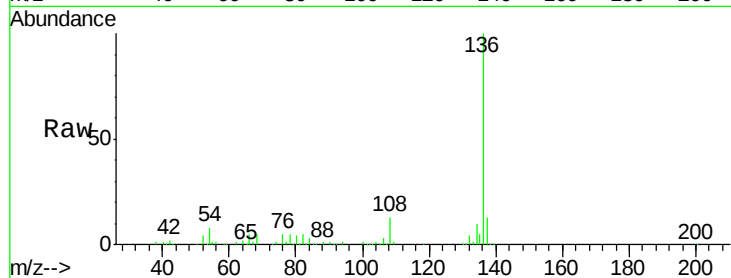




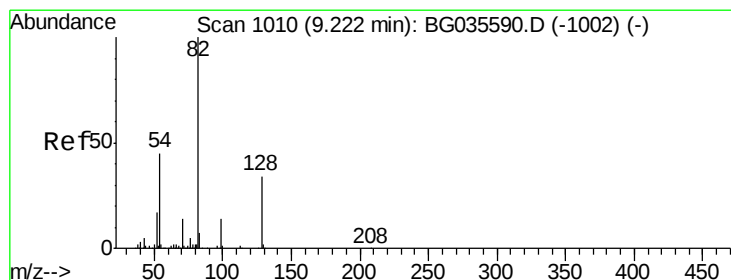
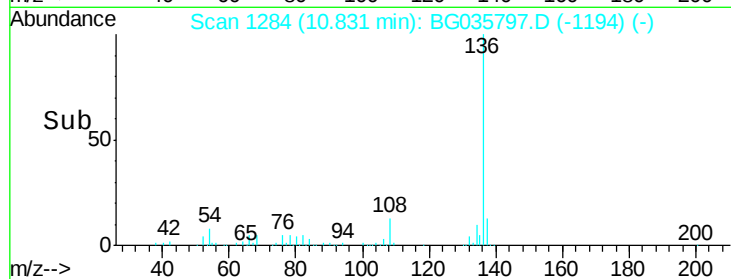
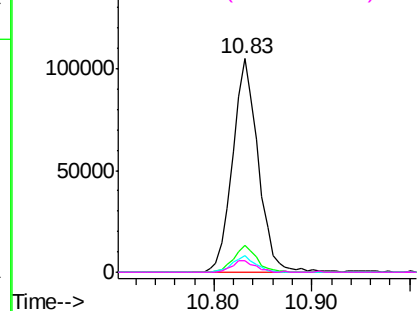
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Instrument :
BNA_G
ClientSampleId :
MH-6

Tgt Ion:	136	Resp:	190562
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.2	13.8
54	7.7	10.3	15.5#
68	5.4	4.5	6.7

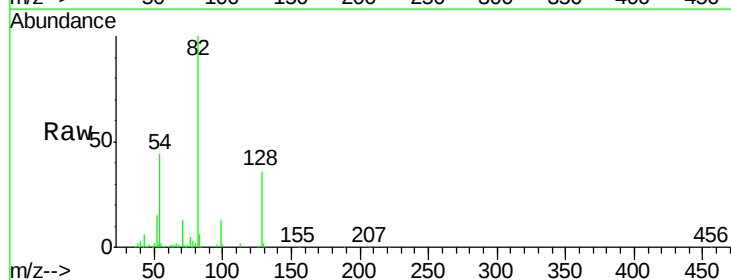


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

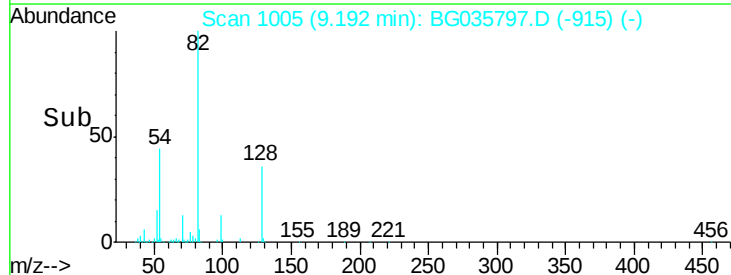
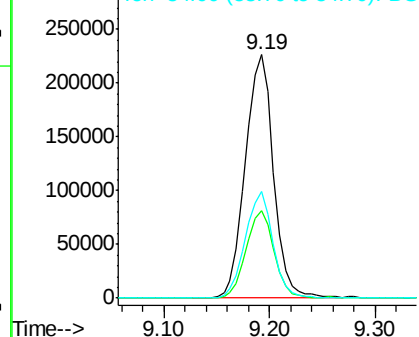


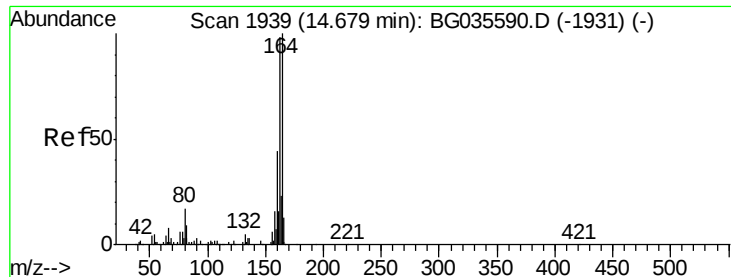
#23
Nitrobenzene-d5
Concen: 92.034 ng
RT: 9.19 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Tgt Ion:	82	Resp:	419828
Ion	Ratio	Lower	Upper
82	100		
128	35.7	29.7	44.5
54	43.6	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: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

BNA_G

ClientSampled :

MH-6

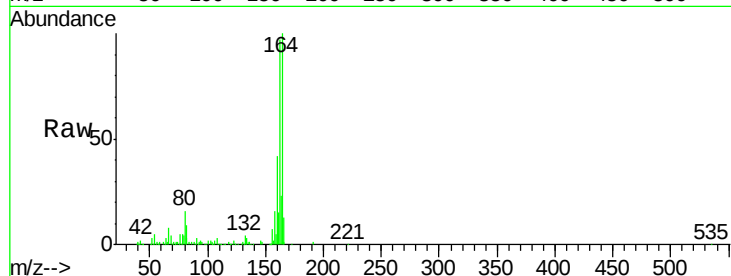
Tgt Ion:164 Resp: 131007

Ion Ratio Lower Upper

164 100

162 97.5 78.8 118.2

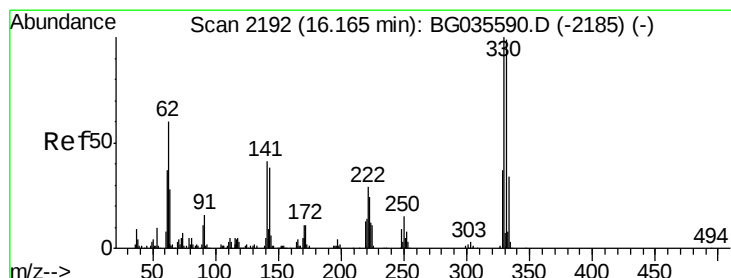
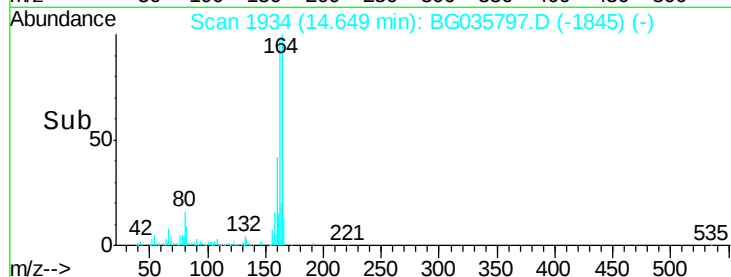
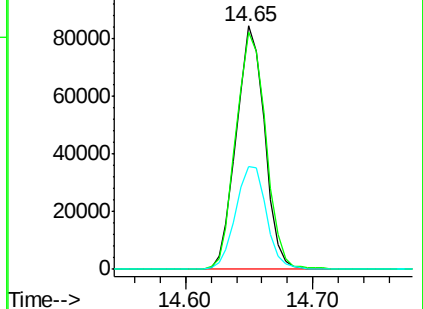
160 42.0 35.4 53.0



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: 151.035 ng

RT: 16.14 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

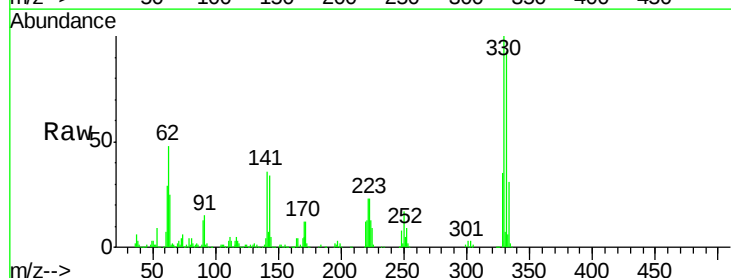
Tgt Ion:330 Resp: 260801

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

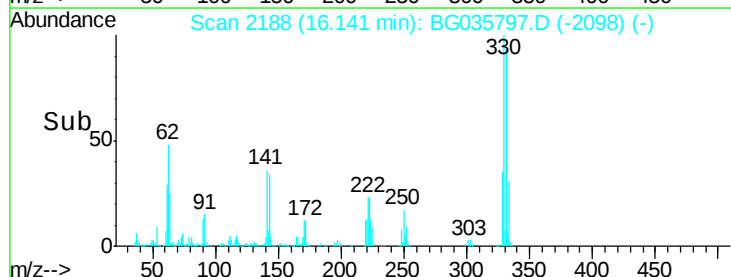
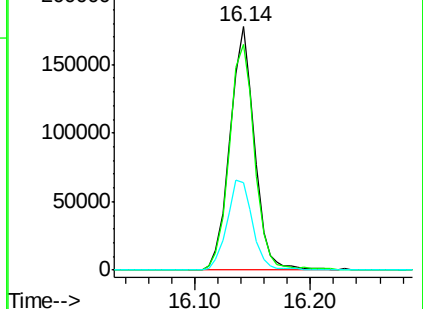
141 38.8 25.2 37.8#

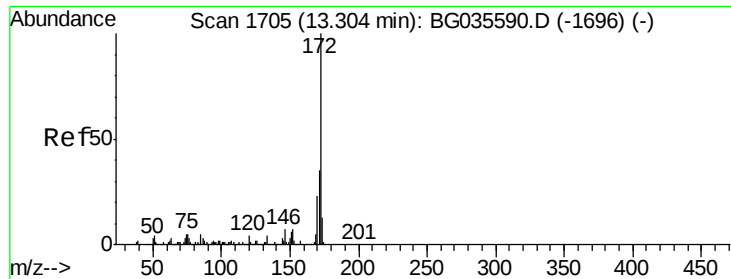


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 91.803 ng

RT: 13.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

BNA_G

ClientSampleId :

MH-6

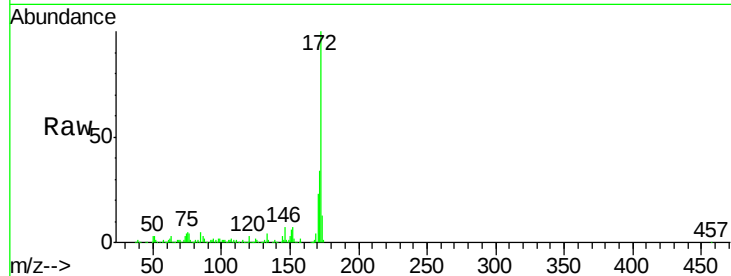
Tgt Ion:172 Resp: 897703

Ion Ratio Lower Upper

172 100

171 34.0 30.0 45.0

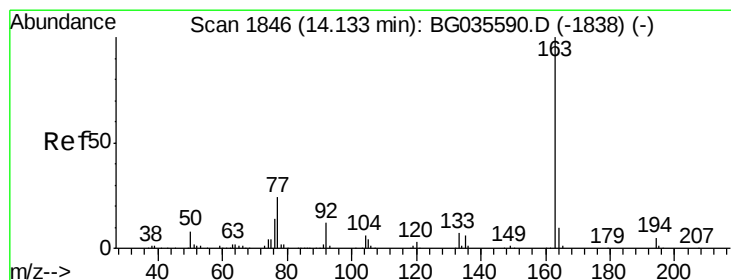
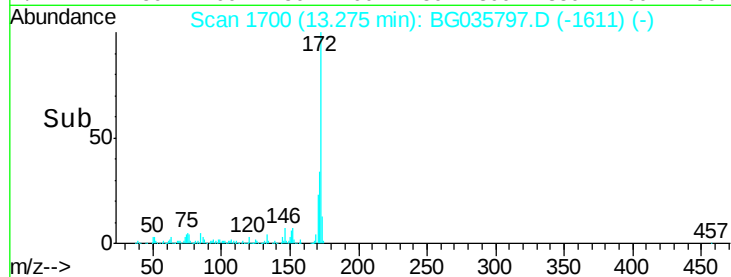
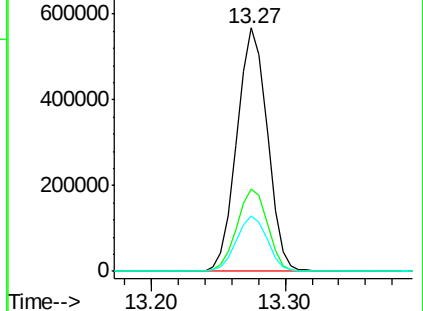
170 22.6 19.5 29.3



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: 3.872 ng

RT: 14.10 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

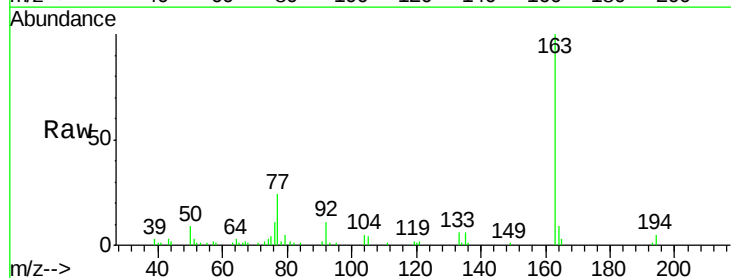
Tgt Ion:163 Resp: 44447

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

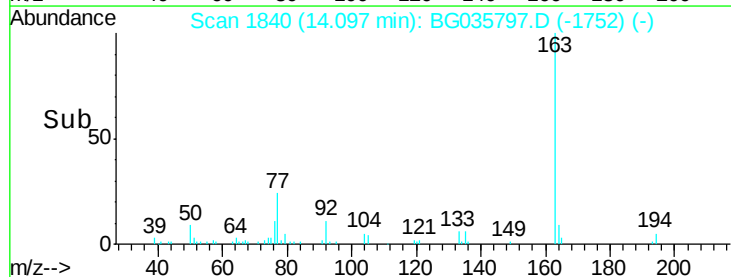
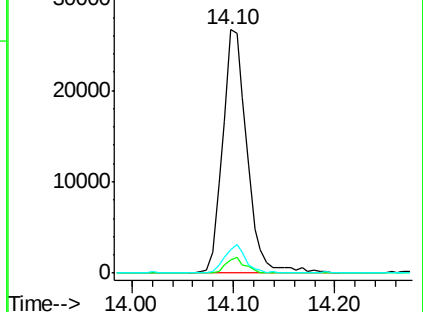
164 9.4 8.2 12.4

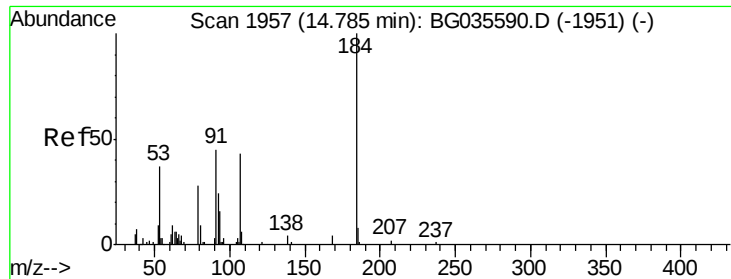


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 6.633 ng

RT: 14.79 min Scan# 1958

Delta R.T. 0.02 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

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ClientSampleId :

MH-6

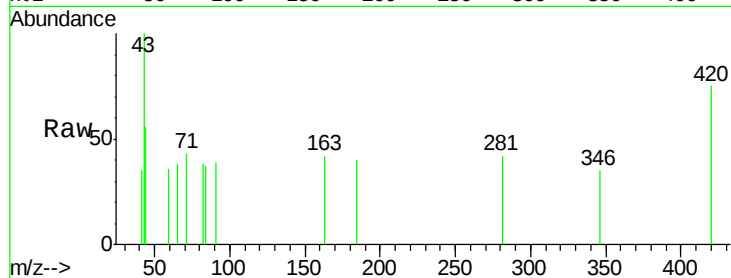
Tgt Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



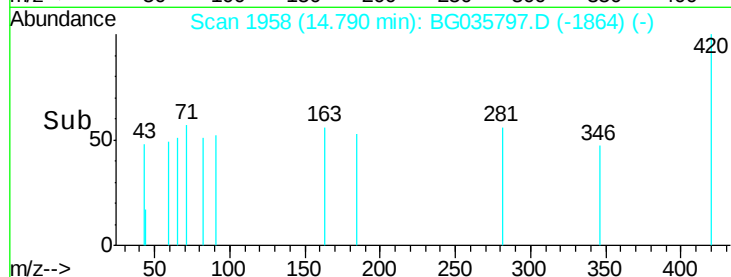
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

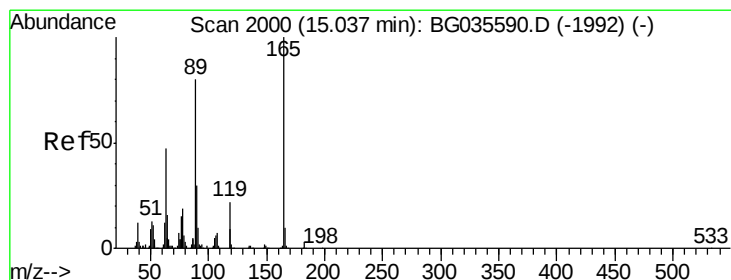
Ion 154.00 (153.70 to 154.70): E

14.79

14.78 14.80



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.448 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.36 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Tgt Ion:165 Resp: 18269

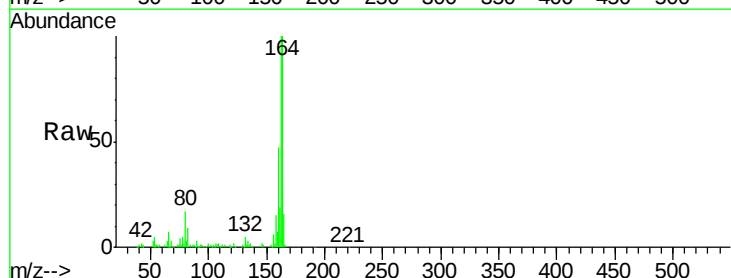
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

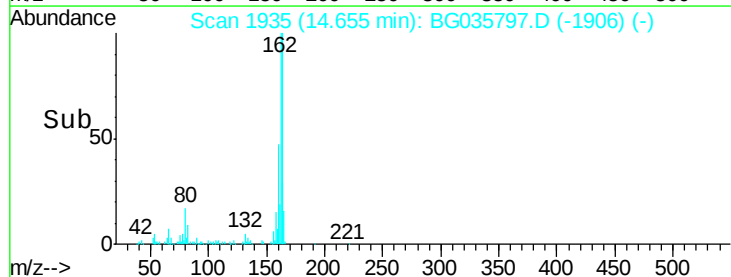
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.66

14.60 14.70



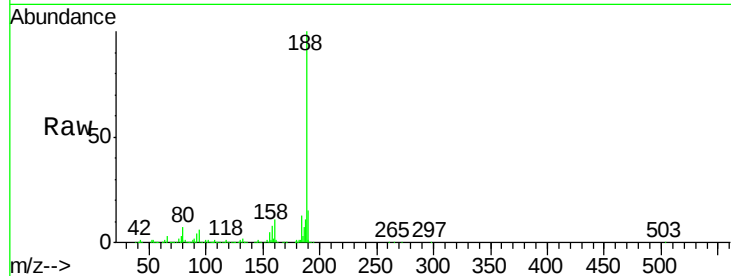
Time-->



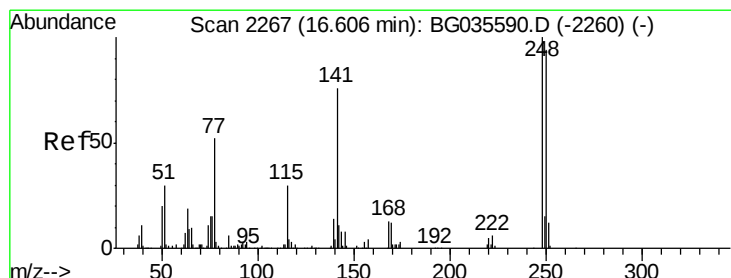
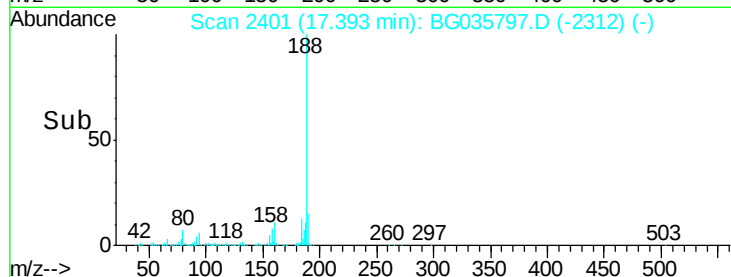
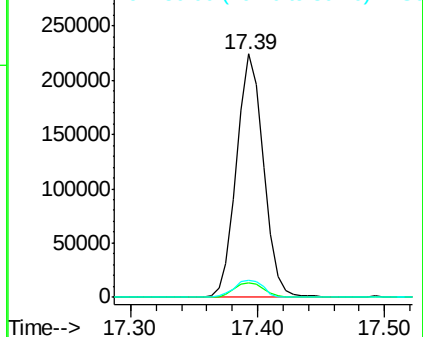
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Instrument :
BNA_G
ClientSampleId :
MH-6

Tgt Ion:188 Resp: 330220
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 7.2 7.7 11.5#

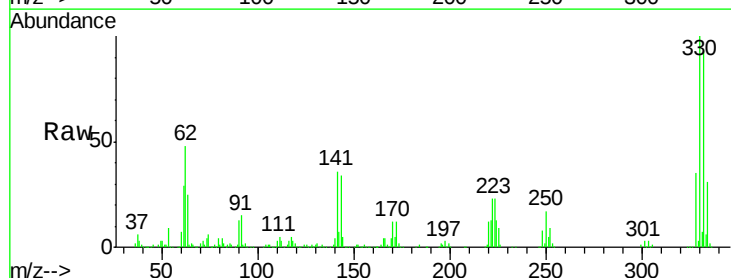


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

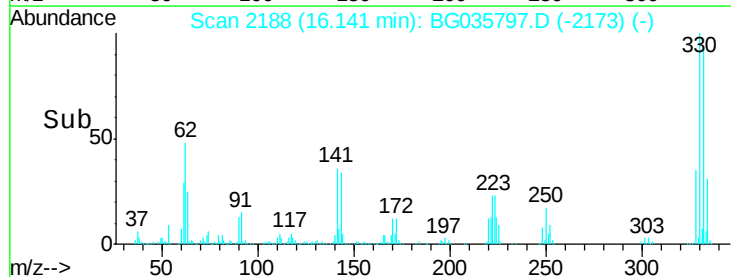
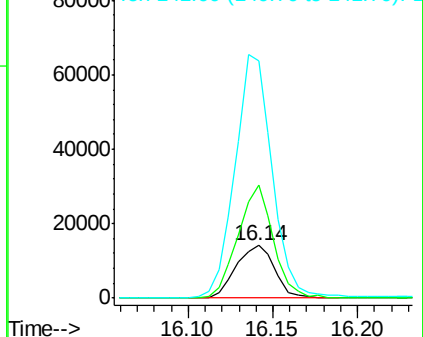


#66
4-Bromophenyl-phenylether
Concen: 5.849 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.44 min
Lab File: BG035797.D
Acq: 20 Jul 2018 23:19

Tgt Ion:248 Resp: 22409
Ion Ratio Lower Upper
248 100
250 214.4 77.1 115.7#
141 448.6 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: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

BNA_G

ClientSampleId :

MH-6

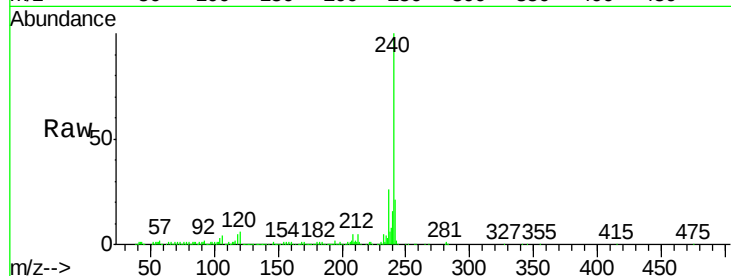
Tgt Ion:240 Resp: 341869

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

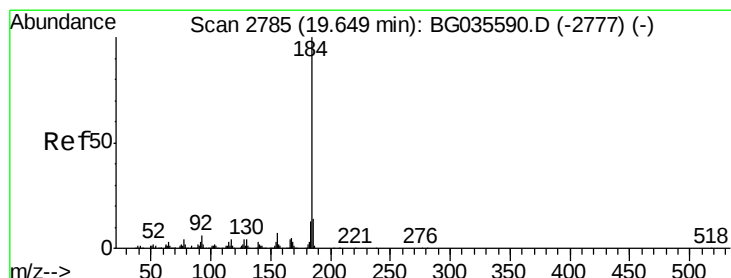
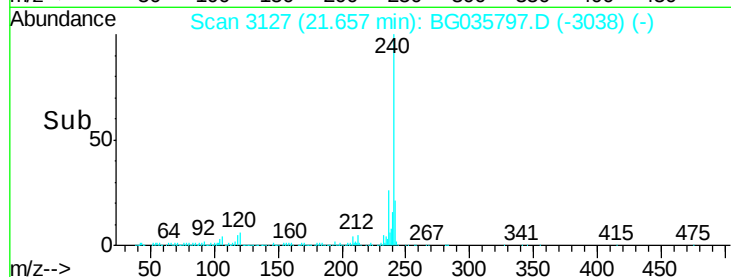
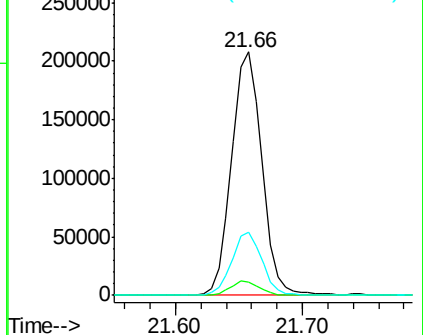
236 26.2 20.9 31.3



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: 3.161 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.38 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

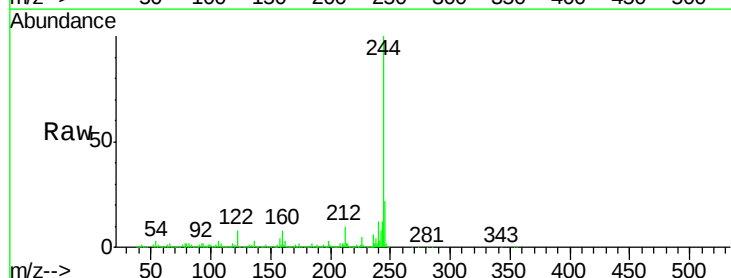
Tgt Ion:184 Resp: 28414

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

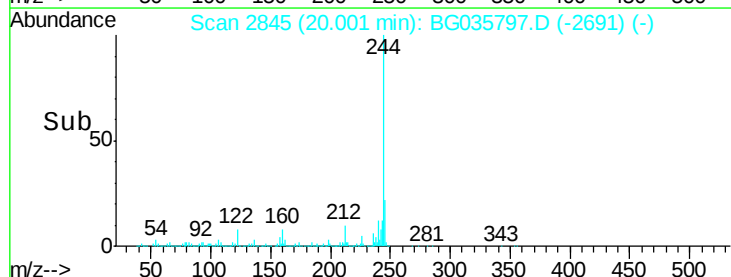
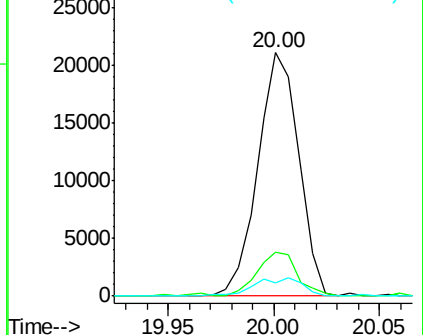
183 5.7 10.6 16.0#

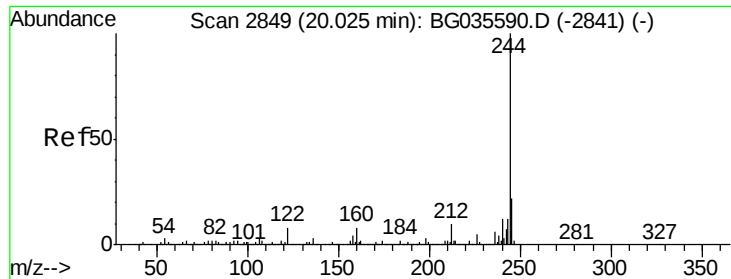


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.390 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

Instrument :

BNA_G

ClientSampleId :

MH-6

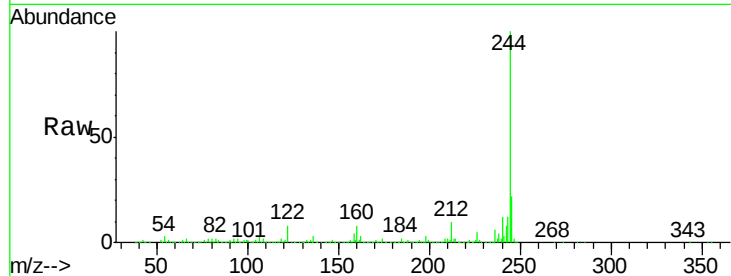
Tgt Ion:244 Resp: 1525951

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

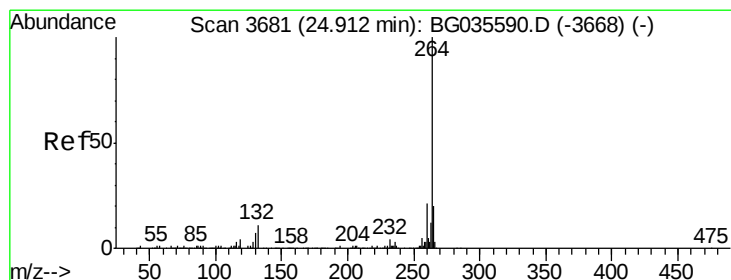
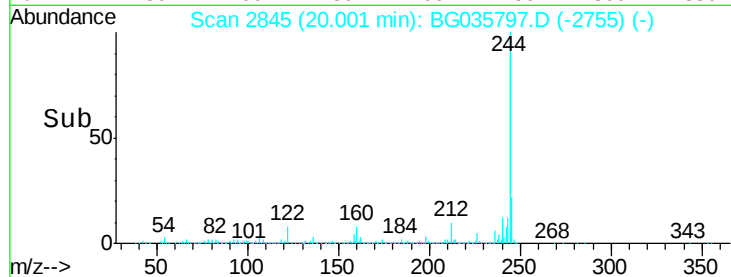
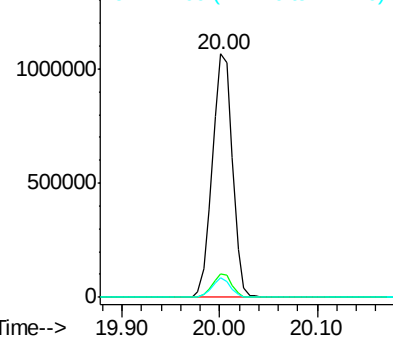
122 7.8 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BG035797.D

Acq: 20 Jul 2018 23:19

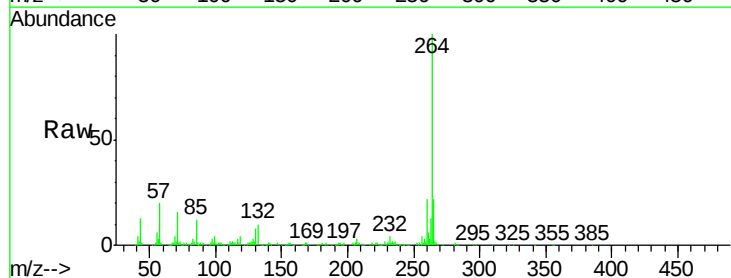
Tgt Ion:264 Resp: 340249

Ion Ratio Lower Upper

264 100

260 22.4 17.4 26.0

265 22.1 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

