

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038678.D
 Acq On : 18 Dec 2018 1:38
 Operator : JU/SJ
 Sample : J6403-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-A

Quant Time: Dec 18 03:46:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

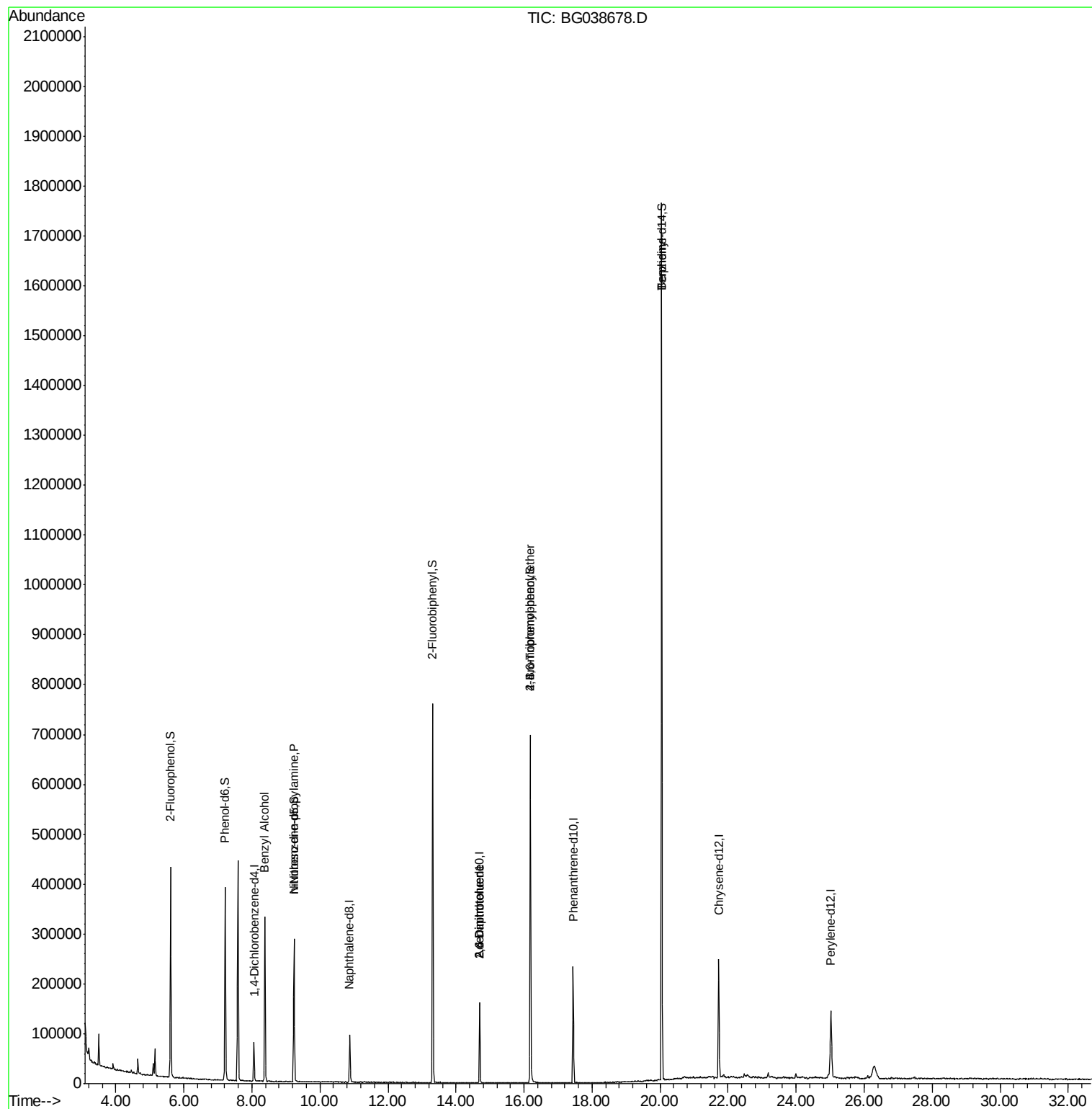
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	21862	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	82823	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	57492	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	152078	20.00	ng	0.00
76) Chrysene-d12	21.72	240	154321	20.00	ng	0.00
87) Perylene-d12	25.02	264	163966	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	172637	140.06	ng	0.00
7) Phenol-d6	7.21	99	207199	122.45	ng	0.00
23) Nitrobenzene-d5	9.24	82	171122	105.55	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	133740	168.79	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	407897	97.33	ng	0.00
79) Terphenyl-d14	20.05	244	814862	114.92	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2673	2.024	ng	# 66
19) n-Nitroso-di-n-propylamine	9.24	70	22715	19.113	ng	# 70
51) 2,6-Dinitrotoluene	14.69	165	7708	7.245	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	7708	5.144	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	9089	4.894	ng	# 1
77) Benzidine	20.05	184	15129	3.315	ng	# 91

(#) = 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# 846

Delta R.T. 0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

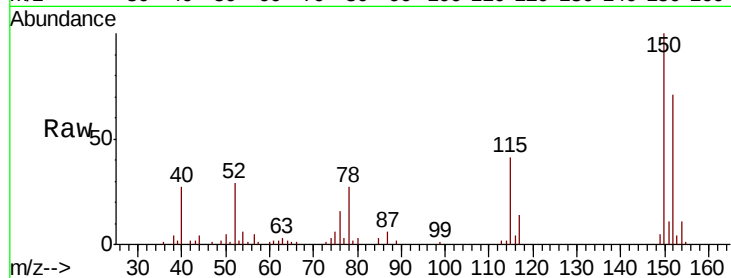
Tgt Ion:152 Resp: 21862

Ion Ratio Lower Upper

152 100

150 140.2 119.5 179.3

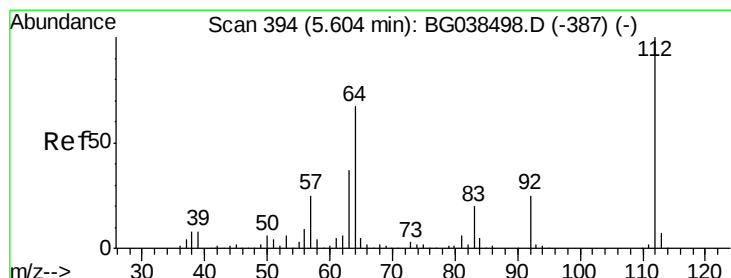
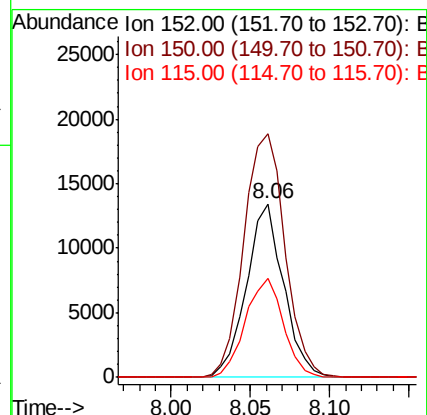
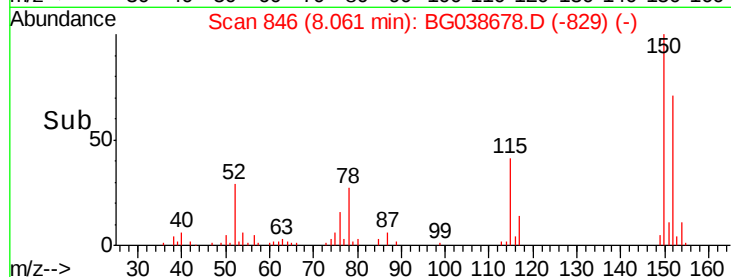
115 57.2 49.6 74.4



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: 140.059 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

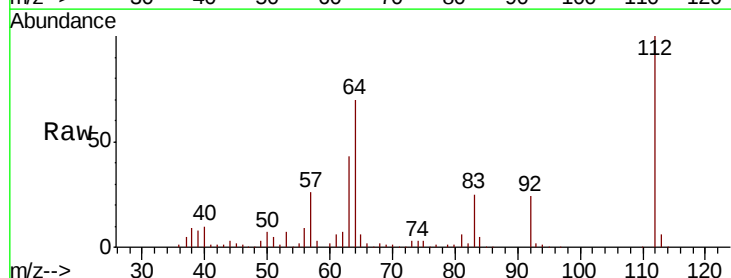
Tgt Ion:112 Resp: 172637

Ion Ratio Lower Upper

112 100

64 70.0 53.4 80.2

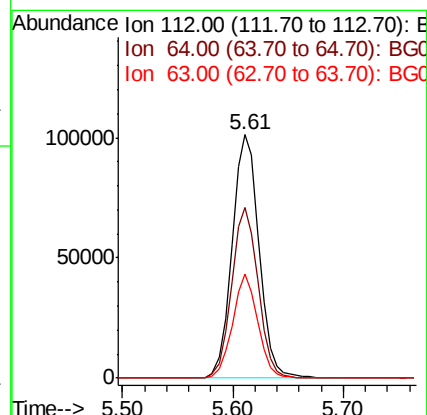
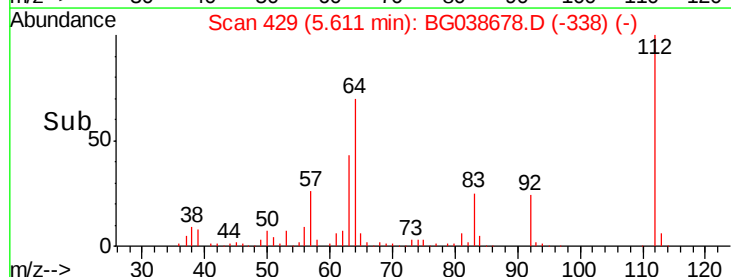
63 42.5 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.449 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

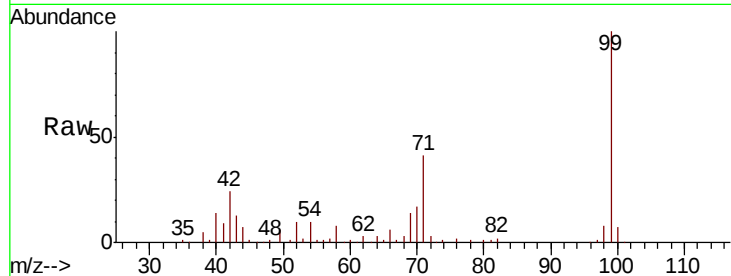
Tgt Ion: 99 Resp: 207199

Ion Ratio Lower Upper

99 100

42 23.6 18.5 27.7

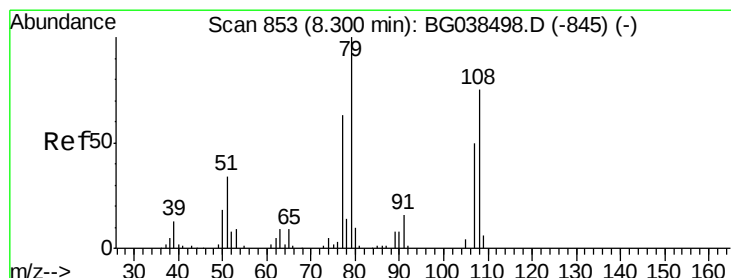
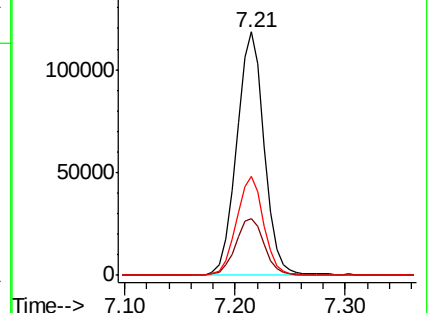
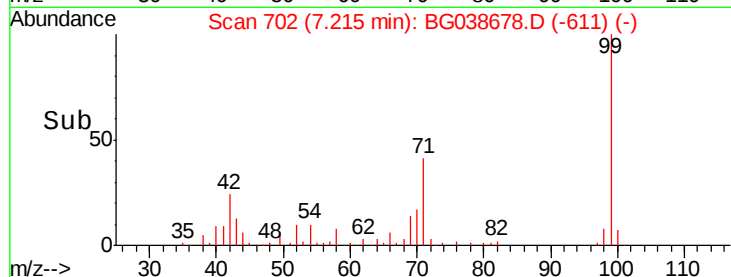
71 40.6 31.1 46.7



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.024 ng

RT: 8.38 min Scan# 900

Delta R.T. 0.08 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

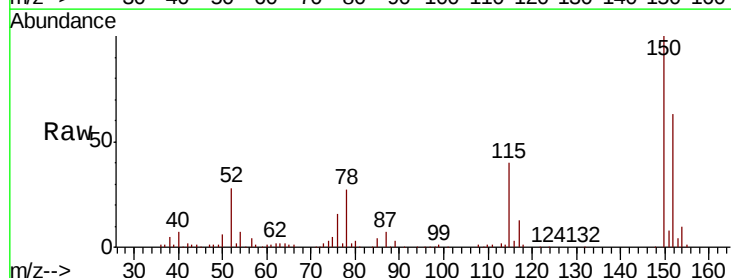
Tgt Ion: 79 Resp: 2673

Ion Ratio Lower Upper

79 100

108 56.5 60.2 90.4#

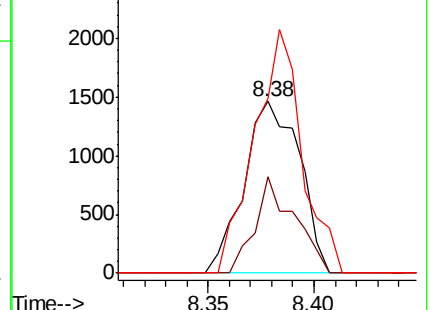
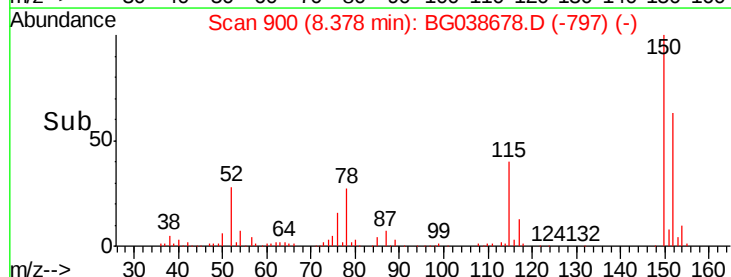
77 101.5 50.7 76.1#

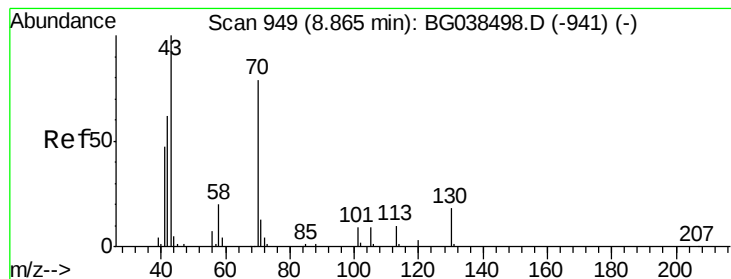


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.113 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

Tgt Ion: 70 Resp: 22715

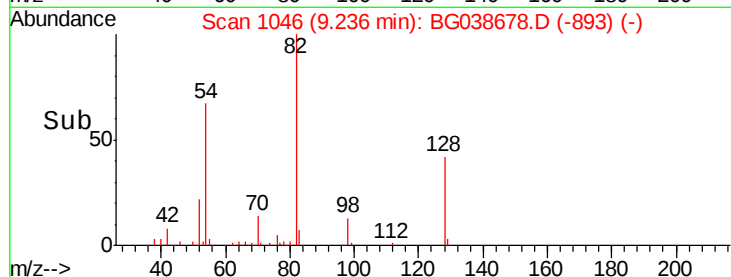
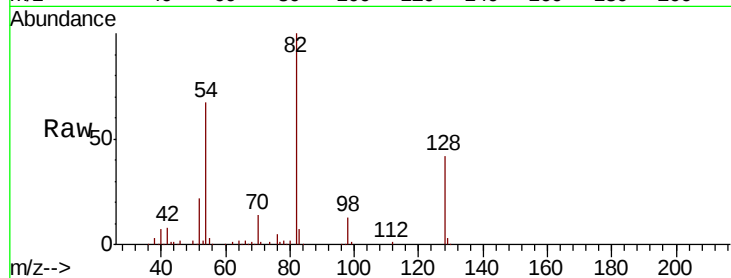
Ion Ratio Lower Upper

70 100

42 56.0 63.6 95.4#

101 0.0 9.2 13.8#

130 3.2 18.5 27.7#

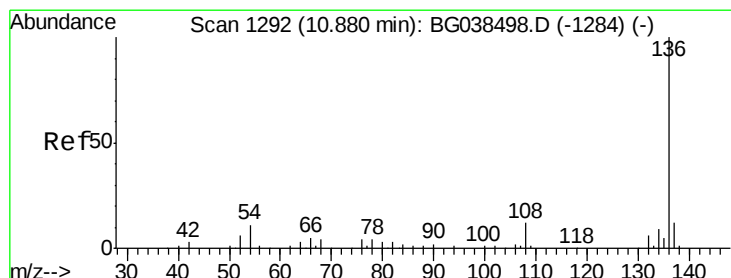
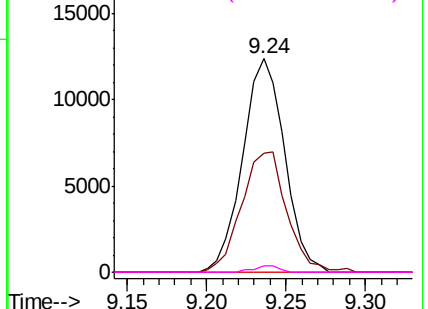


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Tgt Ion: 136 Resp: 82823

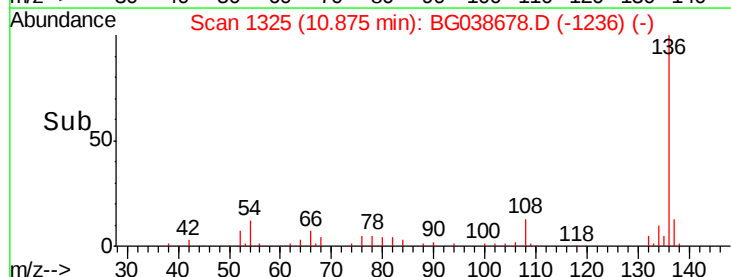
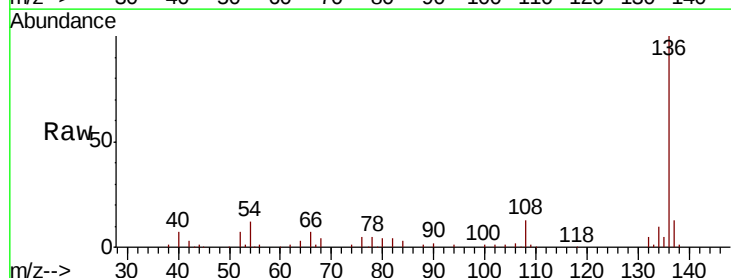
Ion Ratio Lower Upper

136 100

137 12.6 9.3 13.9

54 12.0 8.5 12.7

68 4.3 3.5 5.3

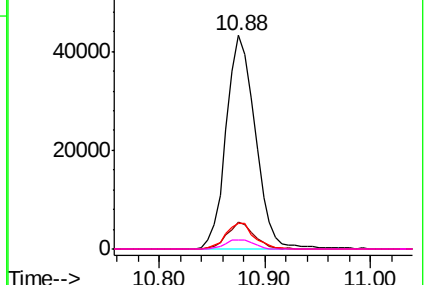


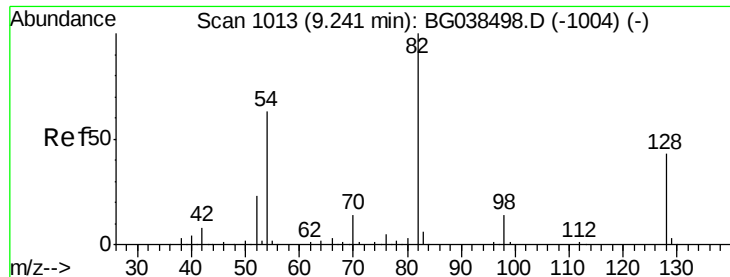
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

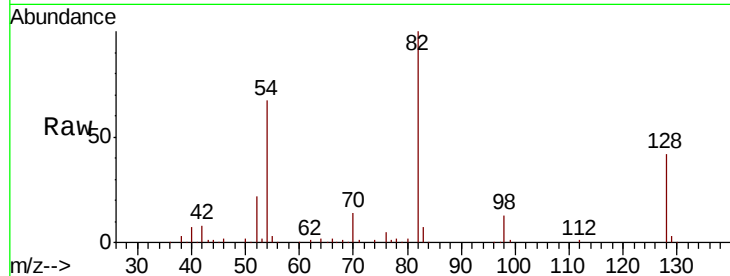




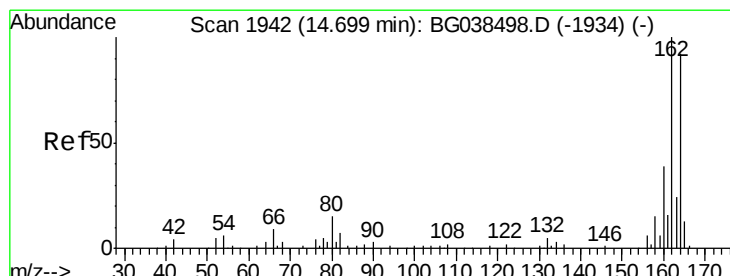
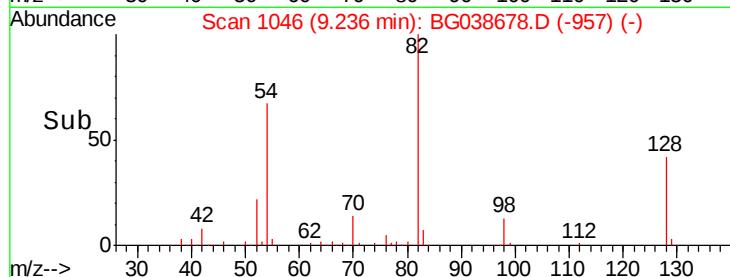
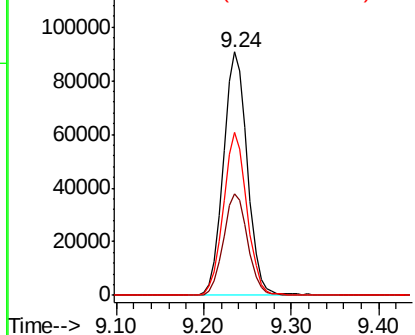
#23
Nitrobenzene-d5
Concen: 105.552 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG038678.D
Acq: 18 Dec 2018 1:38

Instrument :
BNA_G
ClientSampleId :
TP-1-A

Tgt Ion: 82 Resp: 171122
Ion Ratio Lower Upper
82 100
128 41.7 34.6 52.0
54 66.8 50.6 76.0

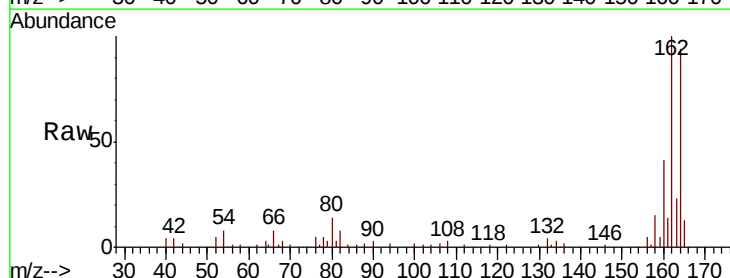


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

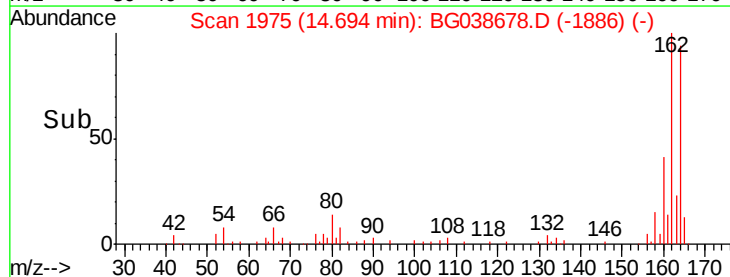
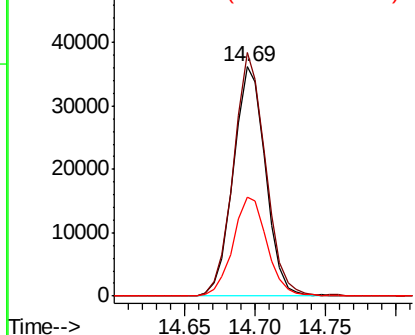


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG038678.D
Acq: 18 Dec 2018 1:38

Tgt Ion: 164 Resp: 57492
Ion Ratio Lower Upper
164 100
162 106.1 86.6 130.0
160 43.1 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 168.790 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

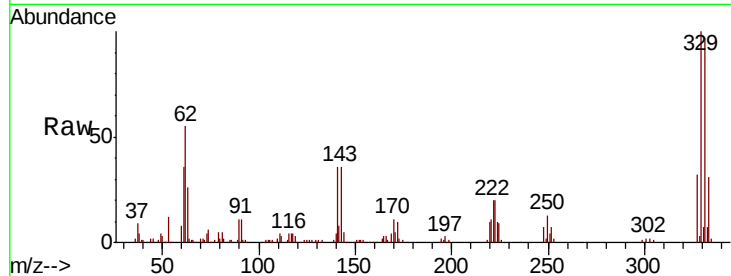
Tgt Ion:330 Resp: 133740

Ion Ratio Lower Upper

330 100

332 98.5 76.9 115.3

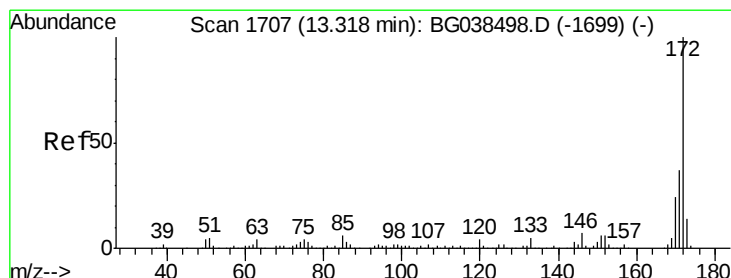
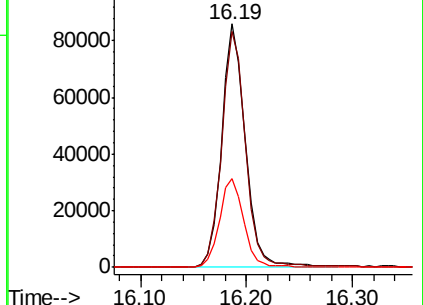
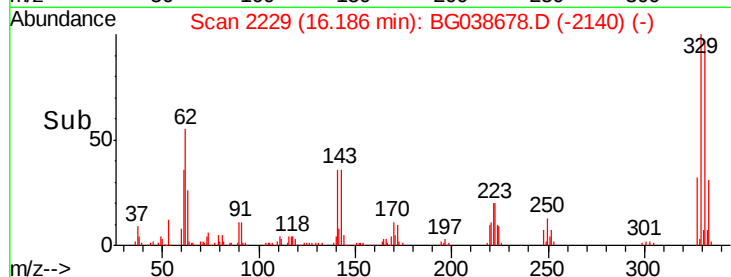
141 37.3 28.8 43.2



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



#45

2-Fluorobiphenyl

Concen: 97.331 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

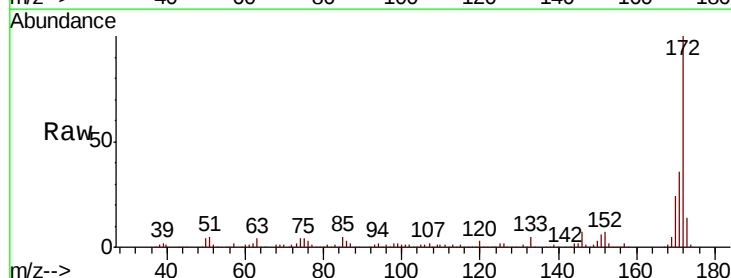
Tgt Ion:172 Resp: 407897

Ion Ratio Lower Upper

172 100

171 35.7 29.8 44.6

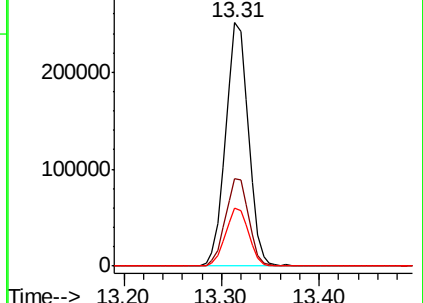
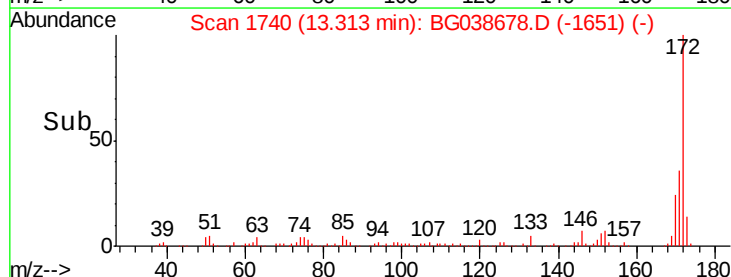
170 24.0 19.5 29.3

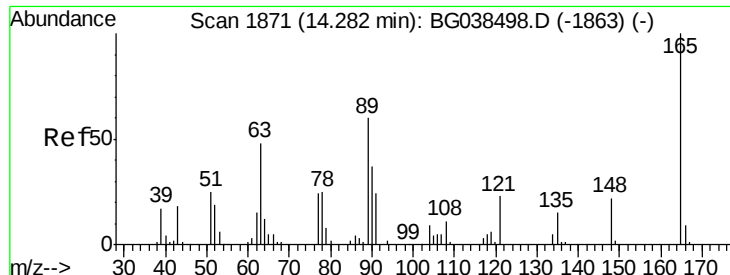


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

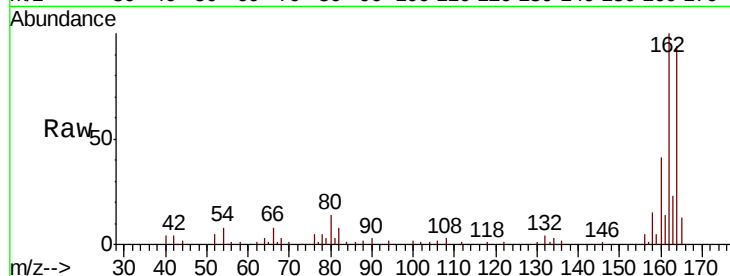




#51
 2,6-Dinitrotoluene
 Concen: 7.245 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038678.D
 Acq: 18 Dec 2018 1:38

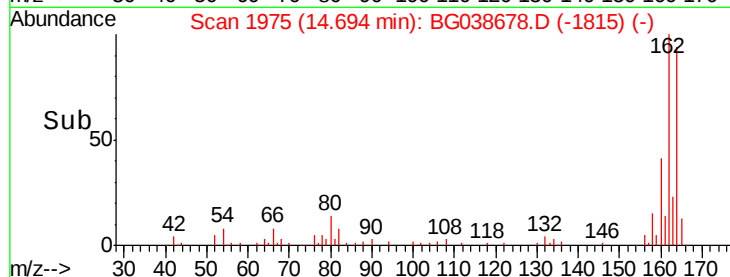
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

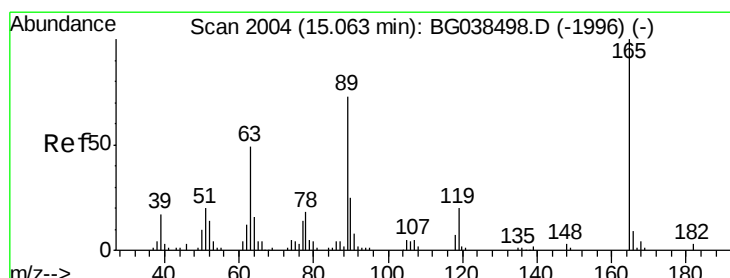


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

14.69

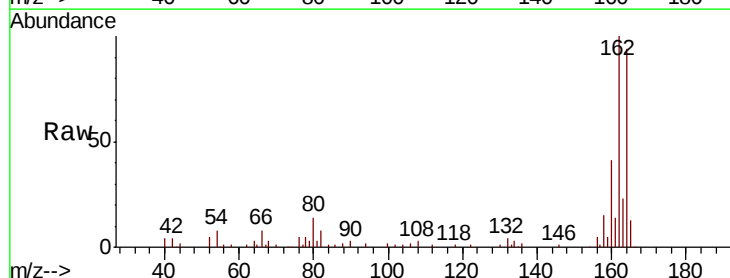


Time-->



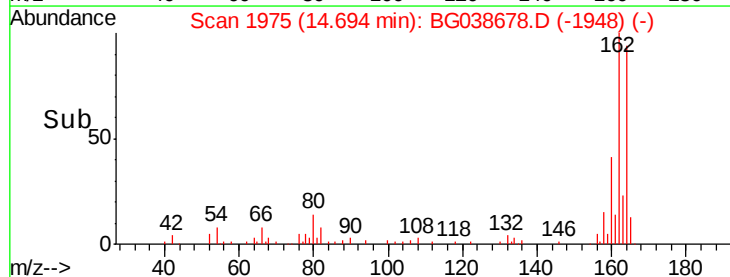
#57
 2,4-Dinitrotoluene
 Concen: 5.144 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038678.D
 Acq: 18 Dec 2018 1:38

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

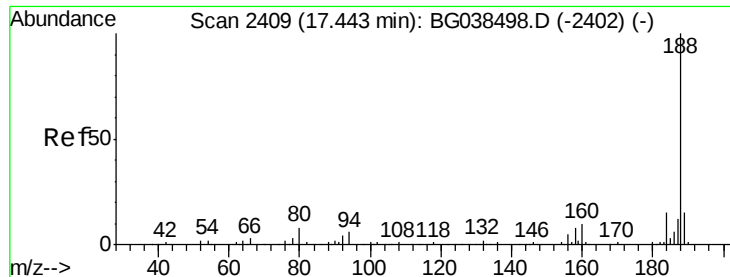


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

14.69



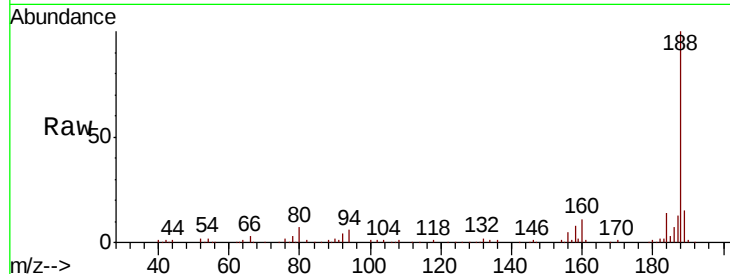
Time-->



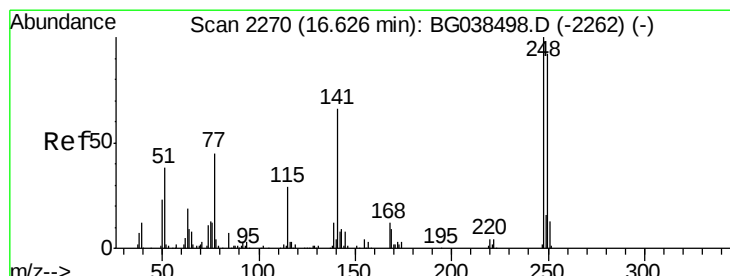
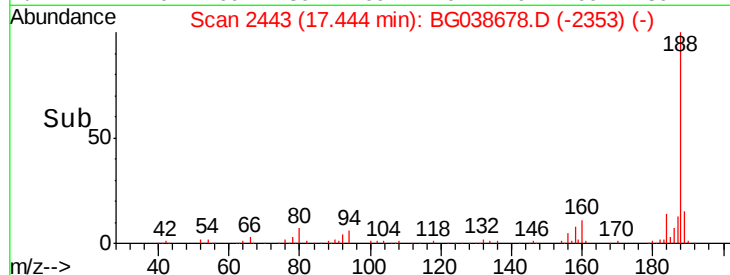
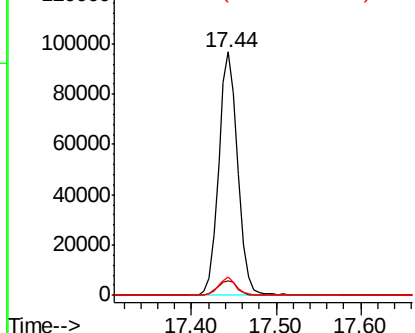
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG038678.D
Acq: 18 Dec 2018 1:38

Instrument :
BNA_G
ClientSampleId :
TP-1-A

Tgt Ion:188 Resp: 152078
Ion Ratio Lower Upper
188 100
94 5.8 5.1 7.7
80 7.3 6.1 9.1

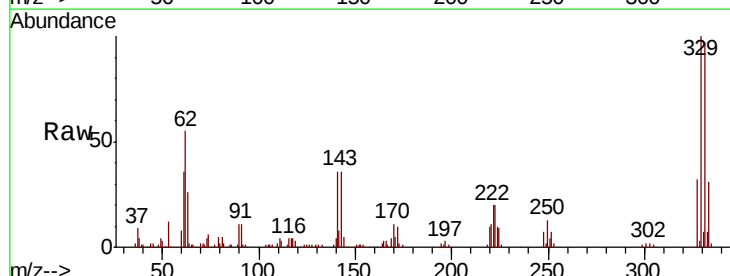


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

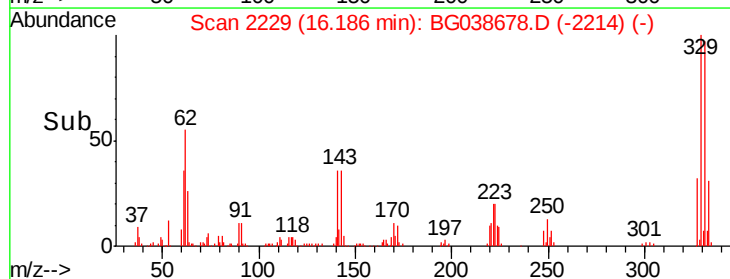
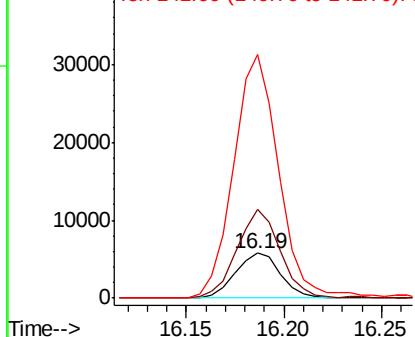


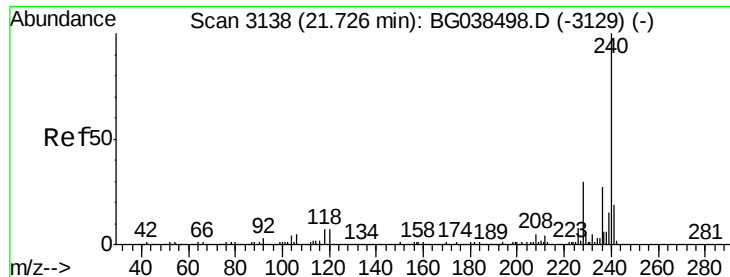
#67
4-Bromophenyl-phenylether
Concen: 4.894 ng
RT: 16.19 min Scan# 2229
Delta R.T. -0.44 min
Lab File: BG038678.D
Acq: 18 Dec 2018 1:38

Tgt Ion:248 Resp: 9089
Ion Ratio Lower Upper
248 100
250 199.7 73.4 110.2#
141 426.6 52.9 79.3#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

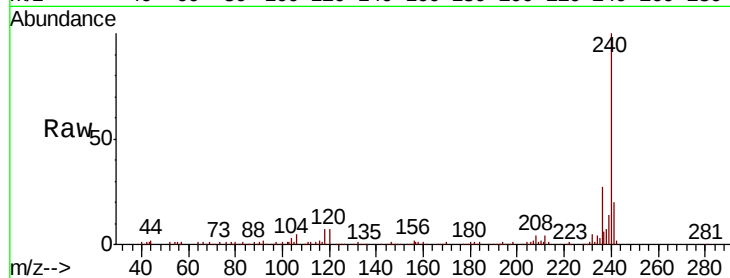
Tgt Ion:240 Resp: 154321

Ion Ratio Lower Upper

240 100

120 6.6 5.3 7.9

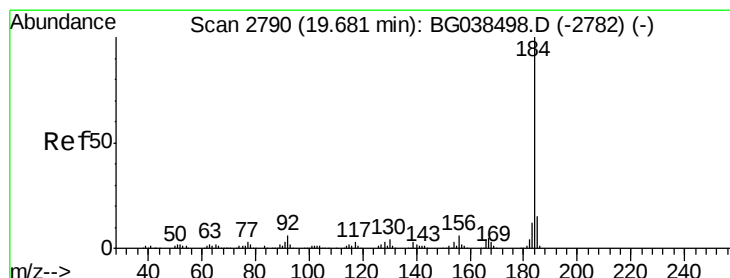
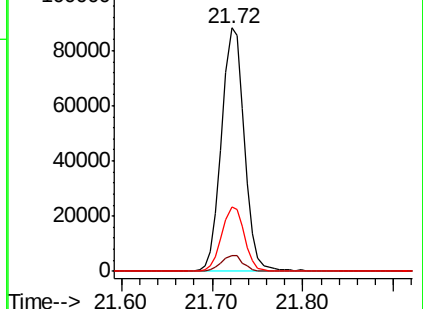
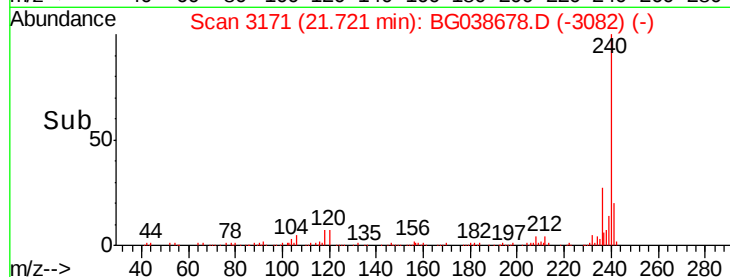
236 26.6 21.4 32.2



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



#77

Benzidine

Concen: 3.315 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.37 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

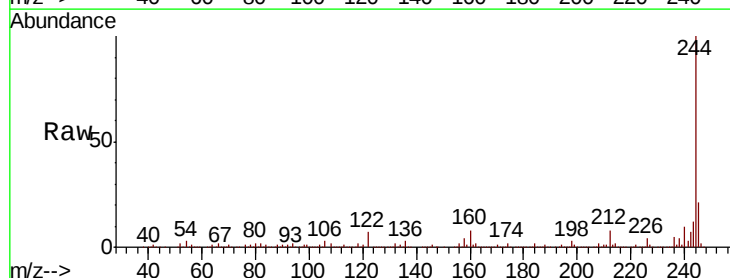
Tgt Ion:184 Resp: 15129

Ion Ratio Lower Upper

184 100

185 18.7 12.2 18.2#

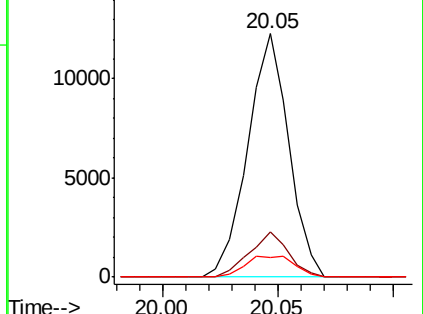
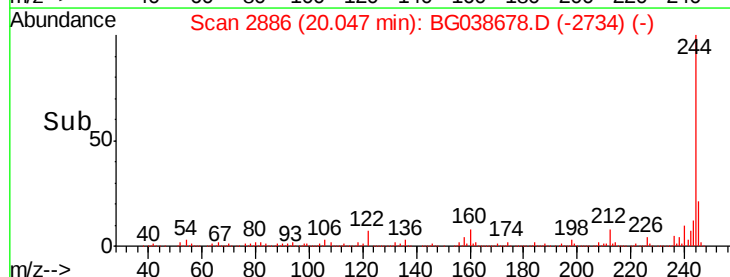
183 7.9 9.6 14.4#

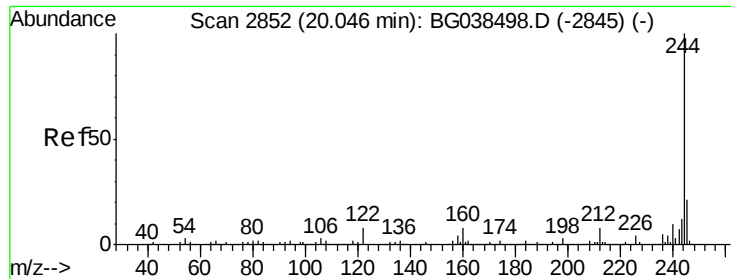


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 114.917 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

Instrument :

BNA_G

ClientSampleId :

TP-1-A

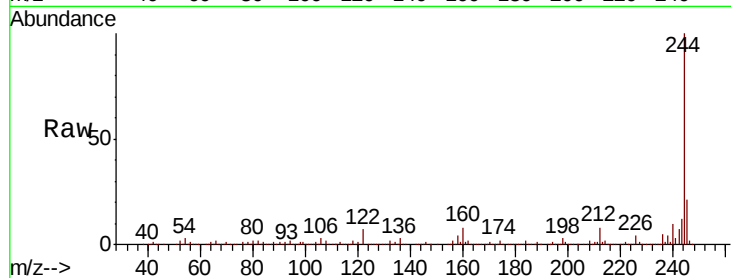
Tgt Ion:244 Resp: 814862

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

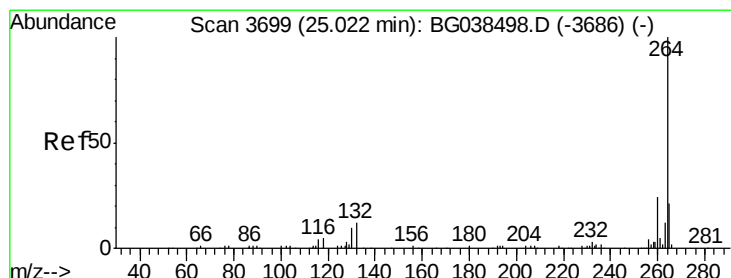
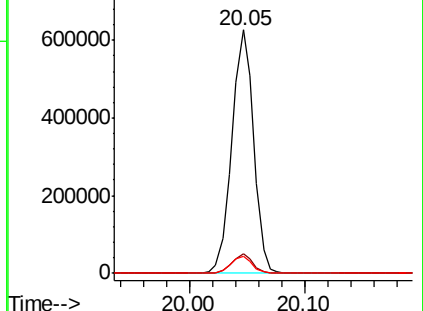
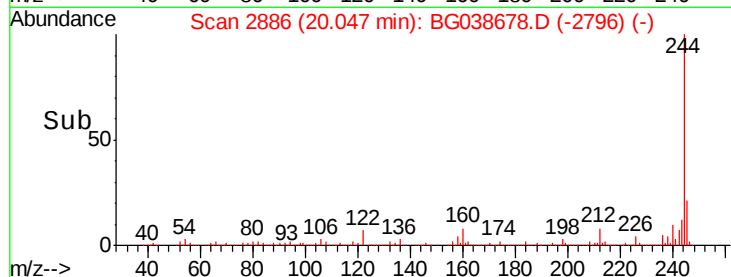
122 6.9 6.3 9.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. 0.00 min

Lab File: BG038678.D

Acq: 18 Dec 2018 1:38

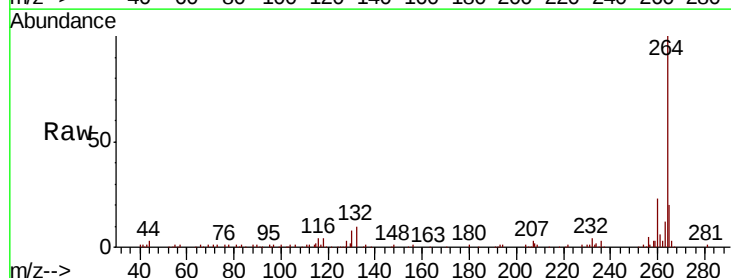
Tgt Ion:264 Resp: 163966

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 19.9 17.0 25.4



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

