

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG121718\
 Data File : BG038684.D
 Acq On : 18 Dec 2018 5:34
 Operator : JU/SJ
 Sample : J6403-20
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

Quant Time: Dec 18 07:31:52 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

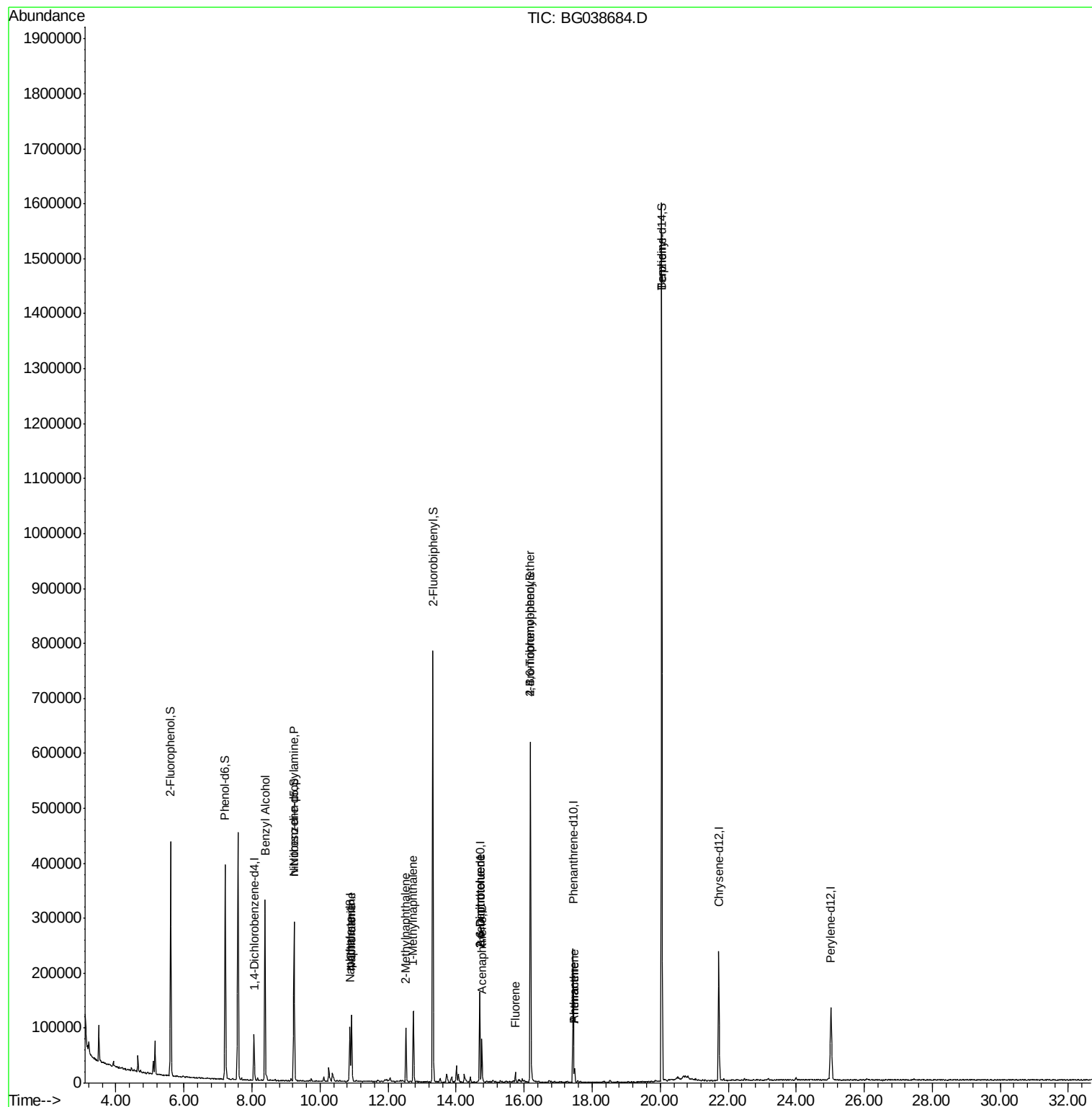
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	22056	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	87533	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	58703	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	153418	20.00	ng	0.00
76) Chrysene-d12	21.72	240	152084	20.00	ng	0.00
87) Perylene-d12	25.03	264	169530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	171651	138.03	ng	0.00
7) Phenol-d6	7.21	99	206156	120.76	ng	0.00
23) Nitrobenzene-d5	9.24	82	170245	99.36	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	125177	154.72	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	402473	94.06	ng	0.00
79) Terphenyl-d14	20.04	244	766766	109.72	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.38	79	2848	2.137	ng	Qvalue # 52
19) n-Nitroso-di-n-propylamine	9.23	70	23541	19.634	ng	# 72
31) Naphthalene	10.93	128	103828	24.074	ng	98
33) 4-Chloroaniline	10.93	127	13976	7.464	ng	# 37
37) 2-Methylnaphthalene	12.53	142	48054	15.618	ng	98
38) 1-Methylnaphthalene	12.75	142	62737	21.013	ng	98
51) 2,6-Dinitrotoluene	14.69	165	7707	7.094	ng	# 19
52) Acenaphthene	14.76	154	30520	8.981	ng	92
57) 2,4-Dinitrotoluene	14.69	165	7707	5.037	ng	# 21
58) Fluorene	15.74	166	9278	2.150	ng	96
67) 4-Bromophenyl-phenylether	16.18	248	7773	4.149	ng	# 1
71) Phenanthrene	17.48	178	17590	2.211	ng	98
72) Anthracene	17.48	178	17590	2.240	ng	98
77) Benzidine	20.04	184	14219	3.161	ng	# 93

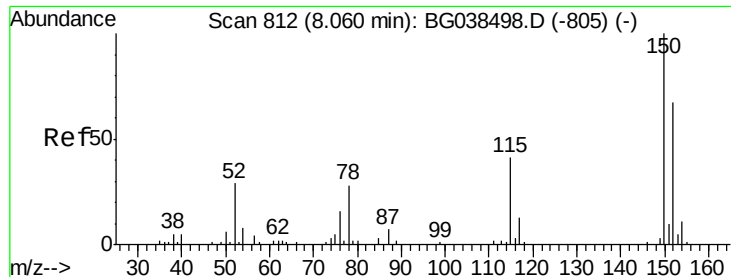
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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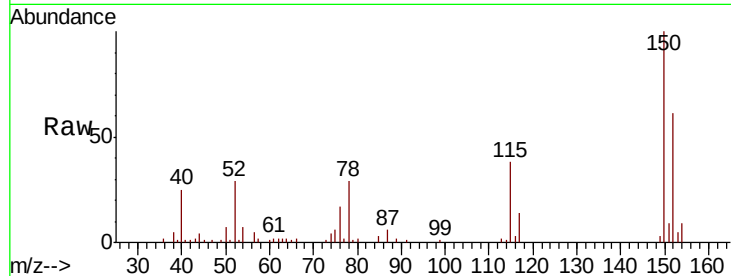


#1

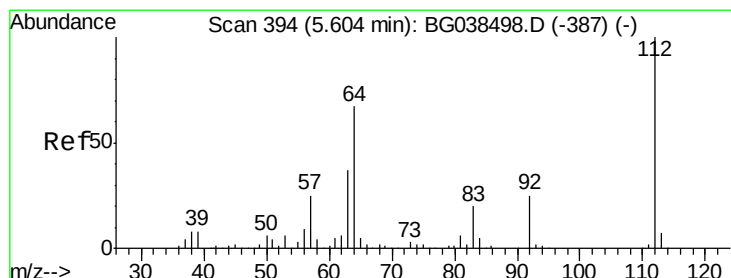
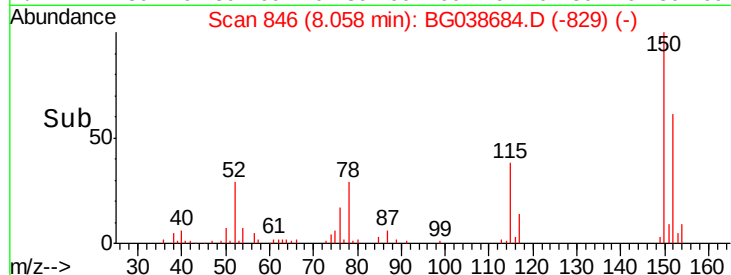
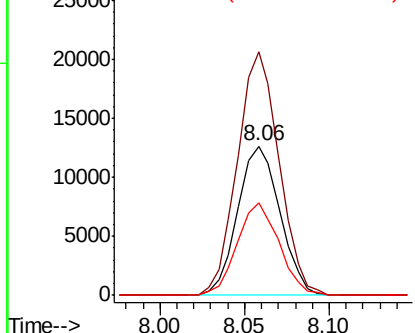
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Instrument :
BNA_G
ClientSampleId :
TP-3-A

Tgt Ion:152 Resp: 22056
Ion Ratio Lower Upper
152 100
150 162.9 119.5 179.3
115 62.2 49.6 74.4



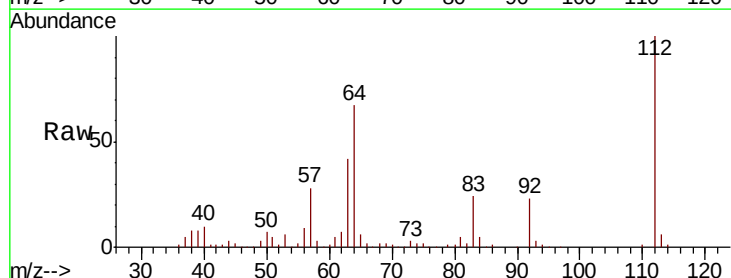
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



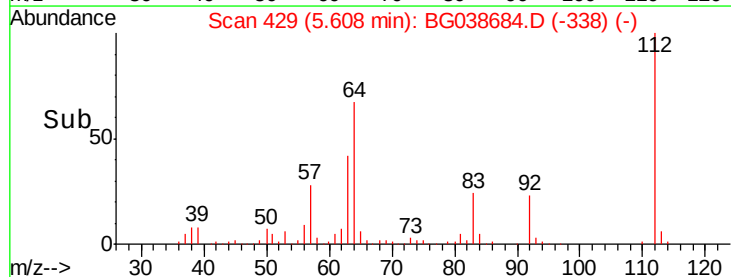
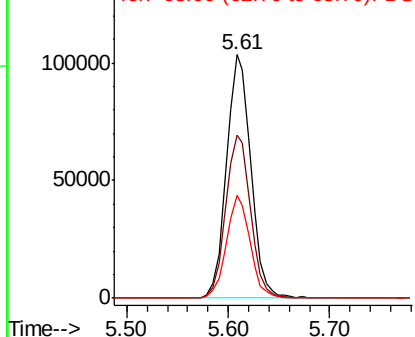
#5

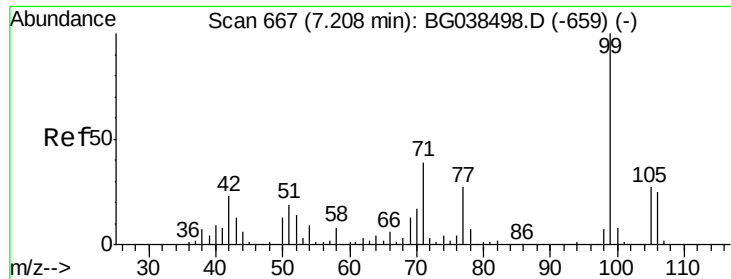
2-Fluorophenol
Concen: 138.035 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:112 Resp: 171651
Ion Ratio Lower Upper
112 100
64 67.1 53.4 80.2
63 42.1 29.3 43.9



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: 120.761 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

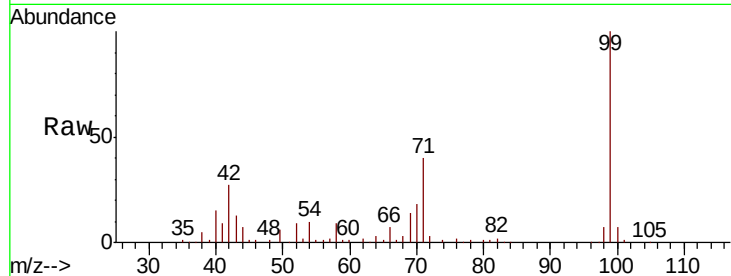
Tgt Ion: 99 Resp: 206156

Ion Ratio Lower Upper

99 100

42 26.5 18.5 27.7

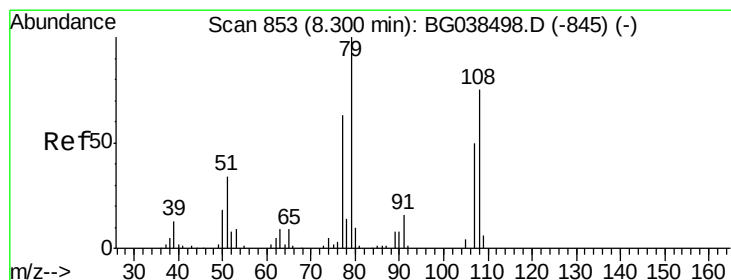
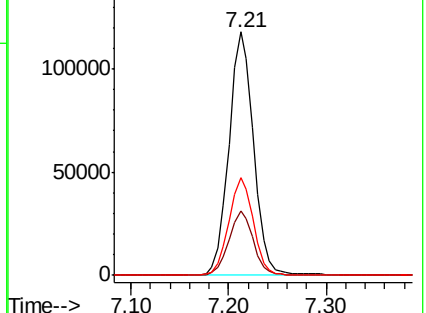
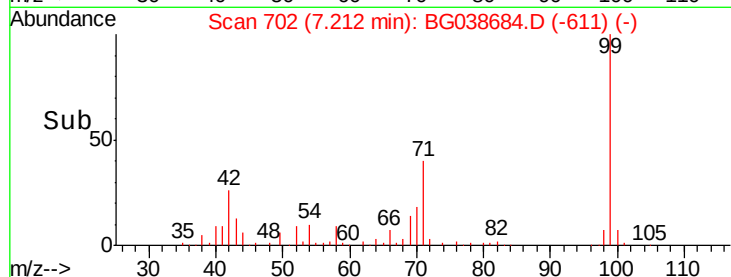
71 40.2 31.1 46.7



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: 2.137 ng

RT: 8.38 min Scan# 901

Delta R.T. 0.08 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

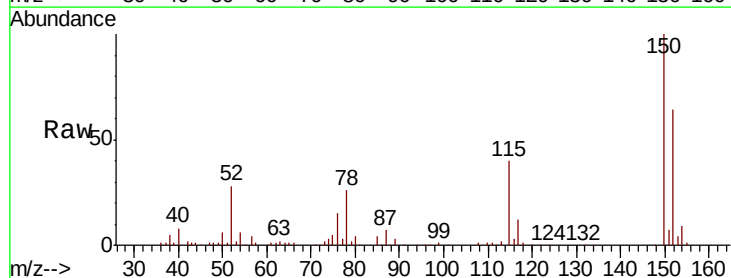
Tgt Ion: 79 Resp: 2848

Ion Ratio Lower Upper

79 100

108 36.4 60.2 90.4#

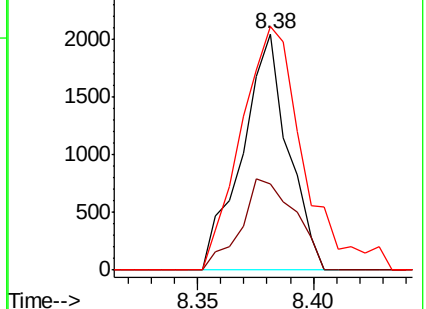
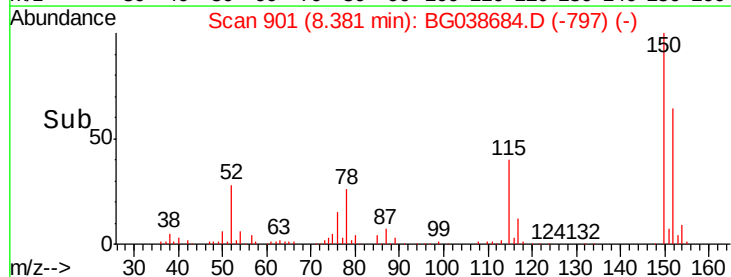
77 103.1 50.7 76.1#

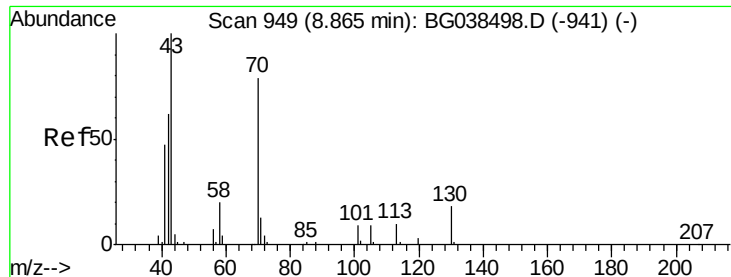


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

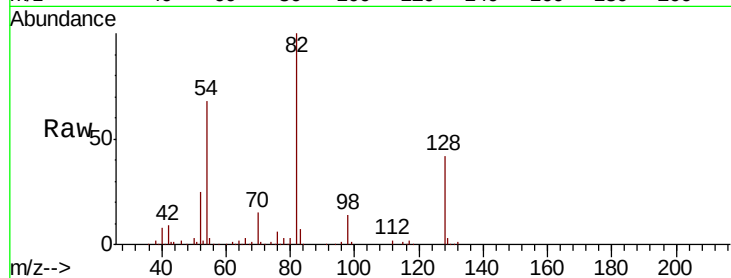




#19
n-Nitroso-di-n-propylamine
Concen: 19.634 ng
RT: 9.23 min Scan# 1046
Delta R.T. 0.37 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

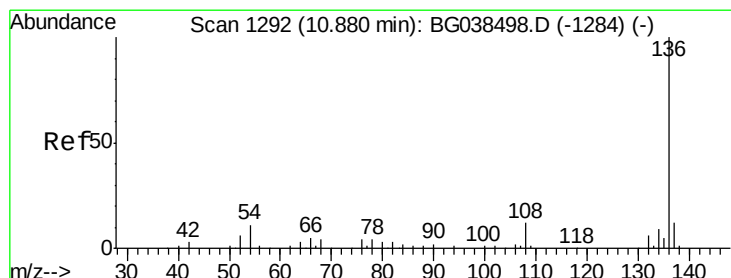
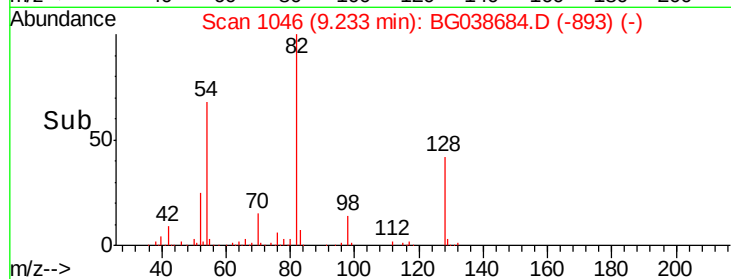
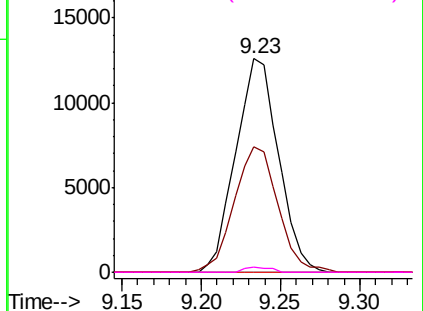
Instrument :
BNA_G
ClientSampleId :
TP-3-A

Tgt Ion: 70 Resp: 23541
Ion Ratio Lower Upper
70 100
42 58.9 63.6 95.4#
101 0.0 9.2 13.8#
130 2.6 18.5 27.7#



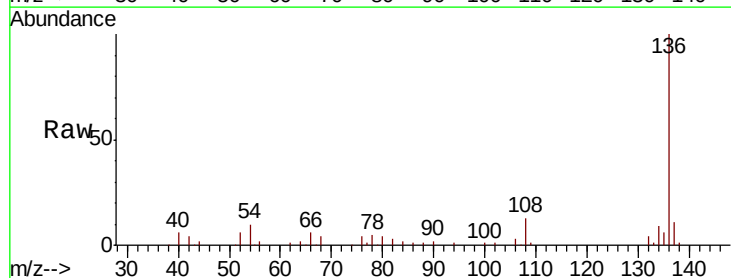
Abundance

Ion 70.00 (69.70 to 70.70): BGC



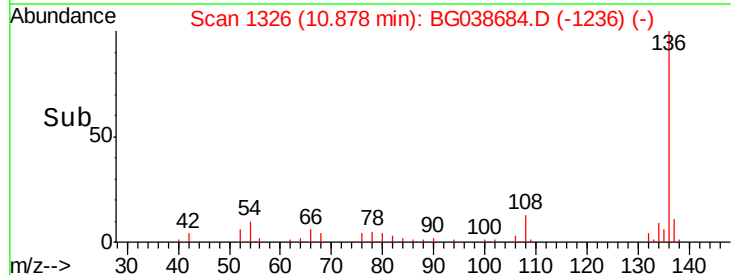
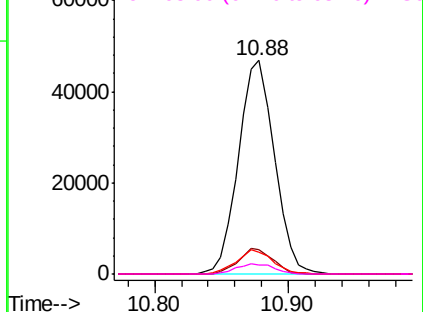
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

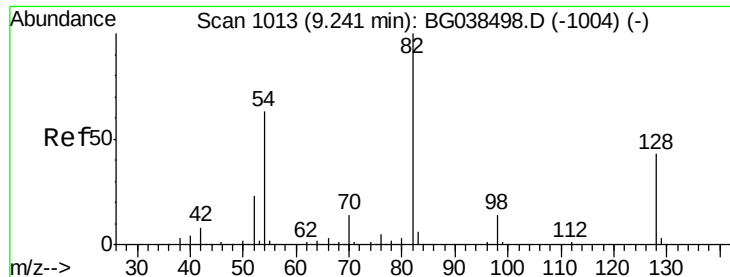
Tgt Ion: 136 Resp: 87533
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 10.1 8.5 12.7
68 4.3 3.5 5.3



Abundance

Ion 136.00 (135.70 to 136.70): BGC

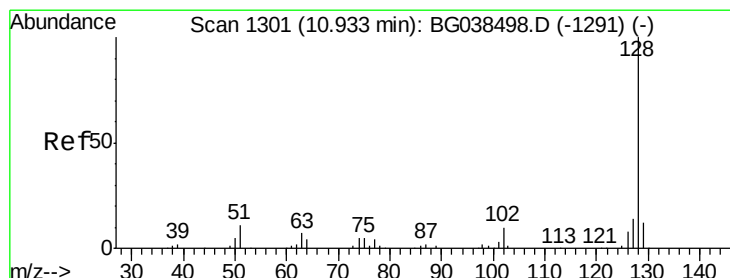
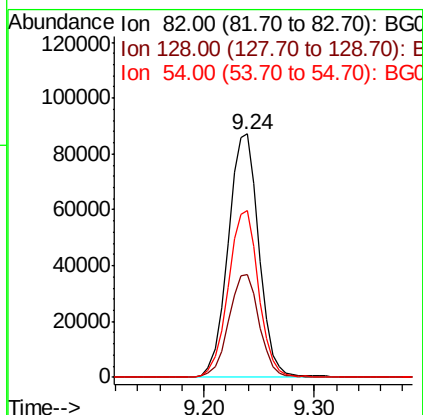
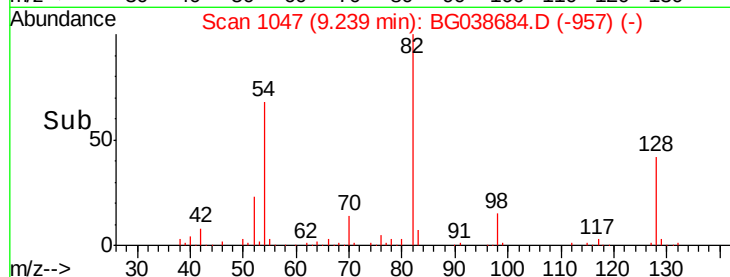
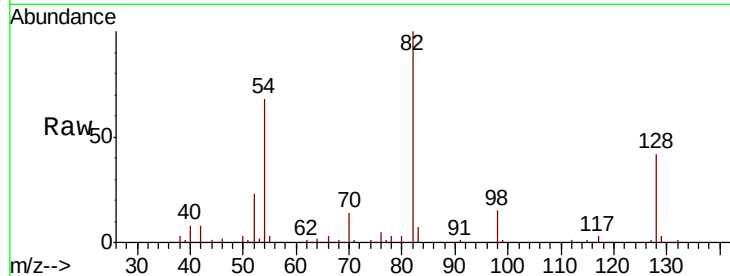




#23
 Nitrobenzene-d5
 Concen: 99.361 ng
 RT: 9.24 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

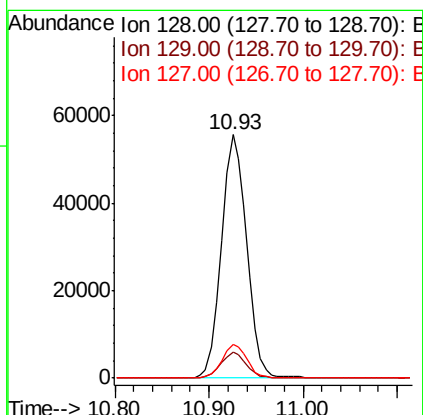
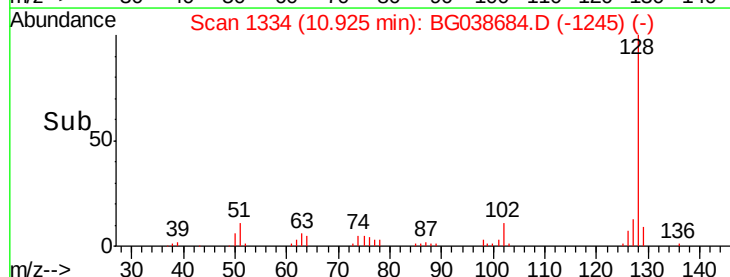
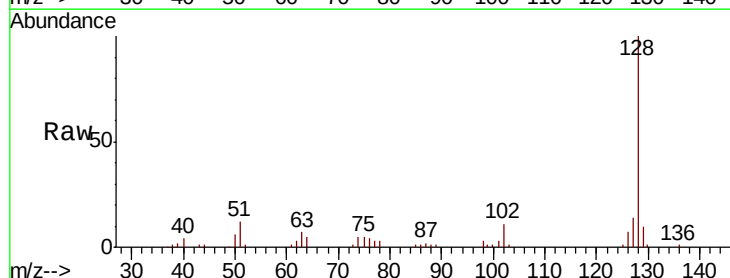
Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

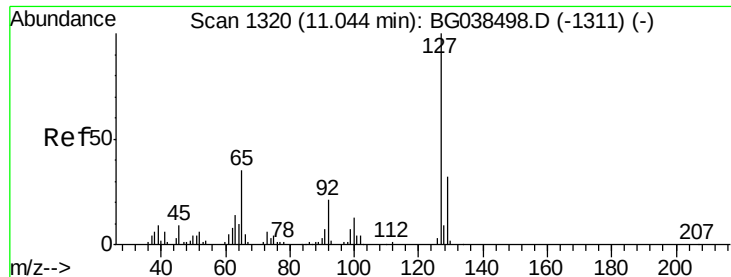
Tgt Ion: 82 Resp: 170245
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 52.0
 54 68.5 50.6 76.0



#31
 Naphthalene
 Concen: 24.074 ng
 RT: 10.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion: 128 Resp: 103828
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.5 14.3
 127 13.8 10.9 16.3





#33

4-Chloroaniline

Concen: 7.464 ng

RT: 10.93 min Scan# 1334

Delta R.T. -0.12 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

Tgt Ion:127 Resp: 13976

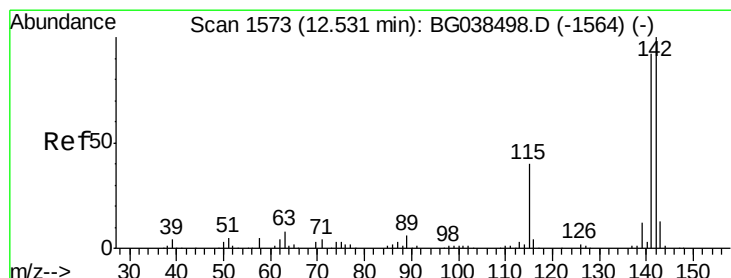
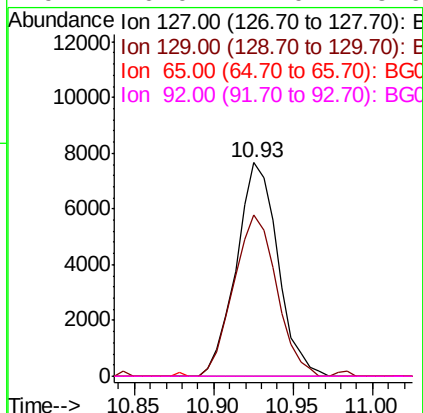
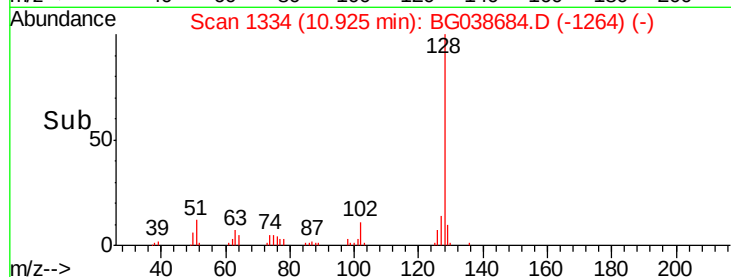
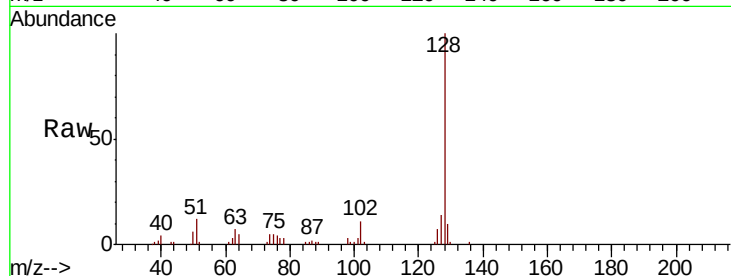
Ion Ratio Lower Upper

127 100

129 75.8 25.8 38.8#

65 0.0 27.8 41.6#

92 0.0 17.0 25.6#



#37

2-Methylnaphthalene

Concen: 15.618 ng

RT: 12.53 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

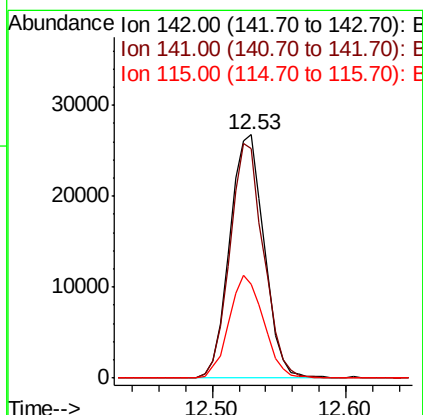
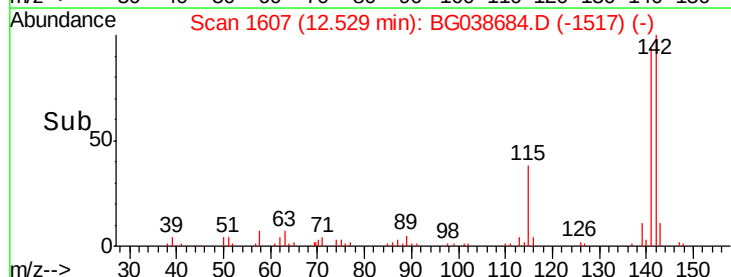
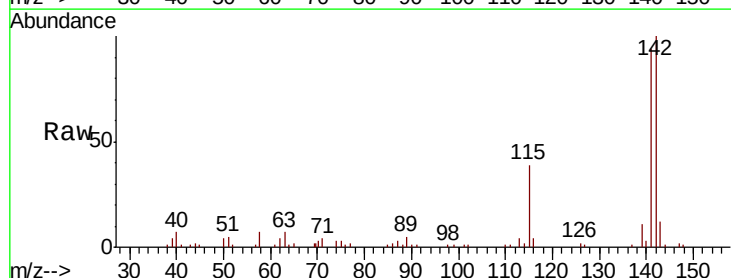
Tgt Ion:142 Resp: 48054

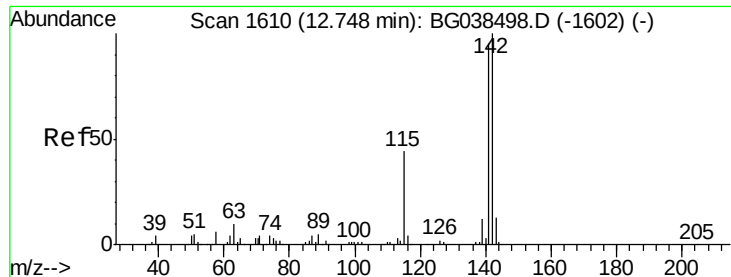
Ion Ratio Lower Upper

142 100

141 94.1 73.5 110.3

115 38.7 31.7 47.5

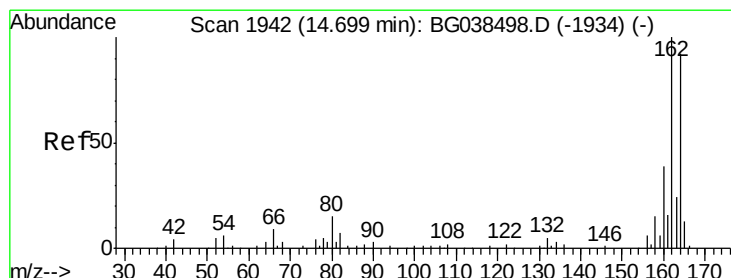
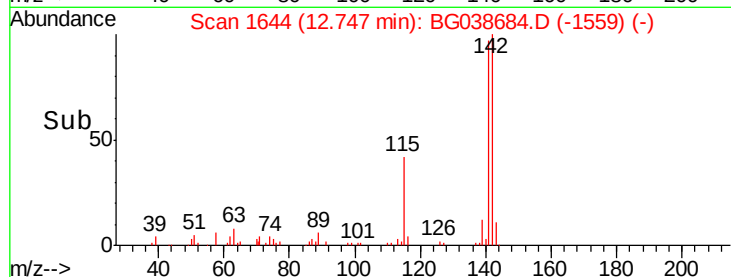
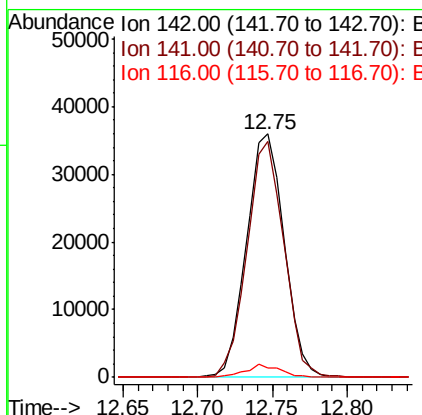
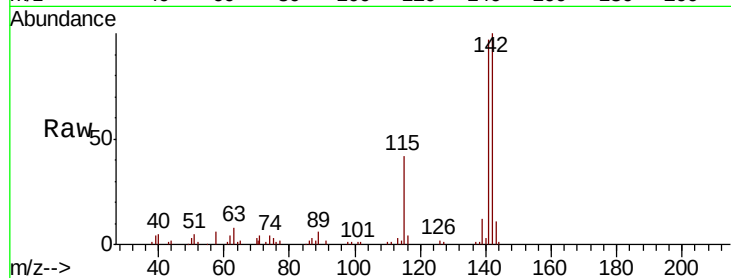




#38
 1-Methylnaphthalene
 Concen: 21.013 ng
 RT: 12.75 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

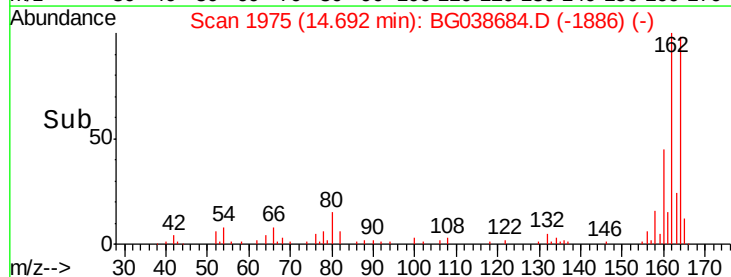
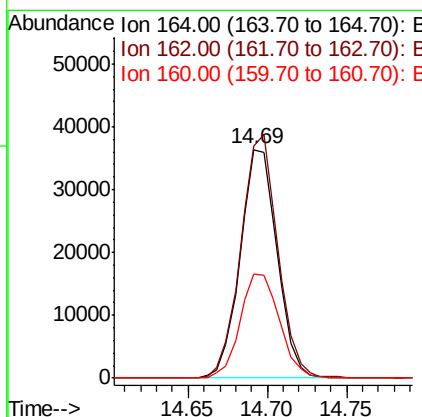
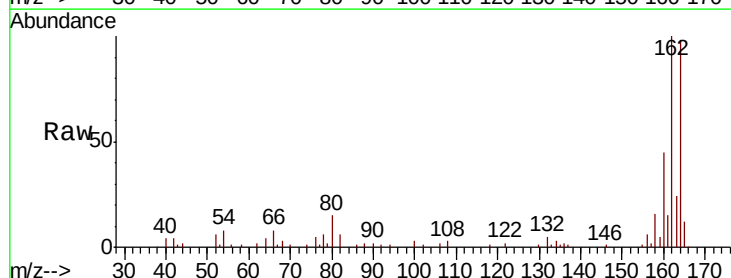
Instrument :
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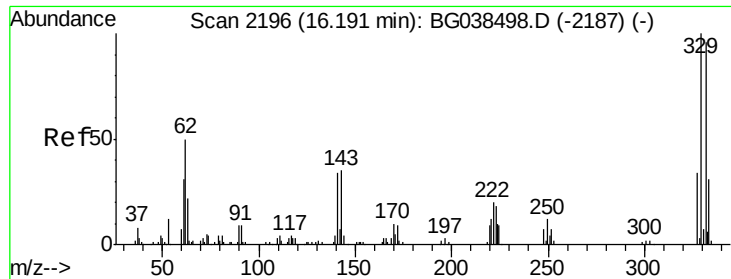
Tgt Ion:142 Resp: 62737
 Ion Ratio Lower Upper
 142 100
 141 97.0 75.8 113.8
 116 3.7 3.6 5.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion:164 Resp: 58703
 Ion Ratio Lower Upper
 164 100
 162 101.7 86.6 130.0
 160 45.4 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 154.724 ng

RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampled :

TP-3-A

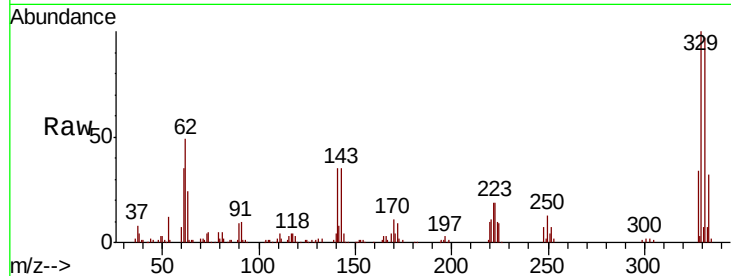
Tgt Ion:330 Resp: 125177

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

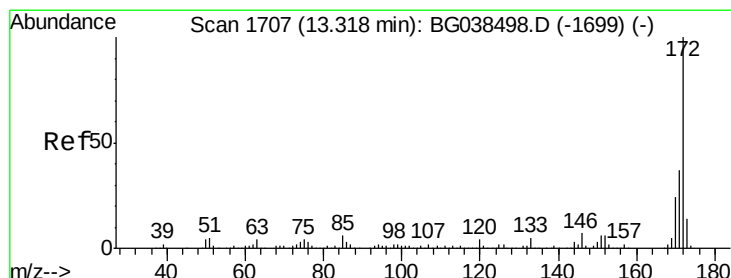
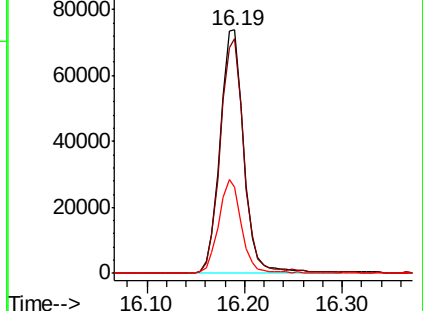
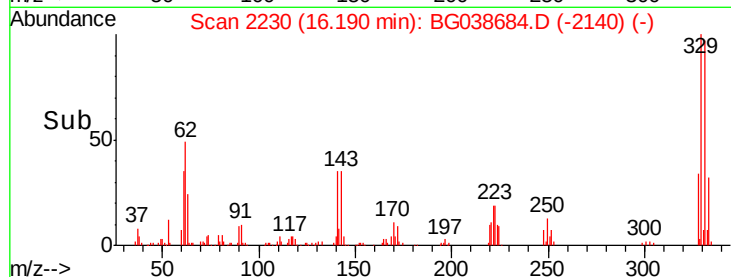
141 36.8 28.8 43.2



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: 94.055 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

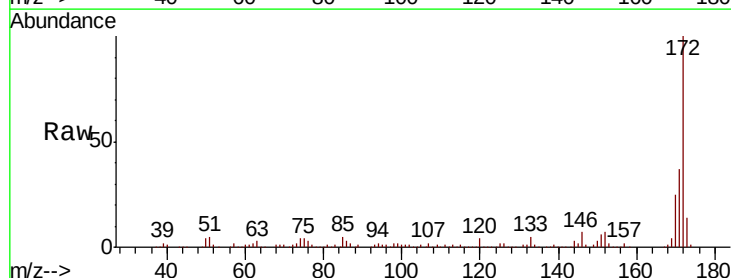
Tgt Ion:172 Resp: 402473

Ion Ratio Lower Upper

172 100

171 37.3 29.8 44.6

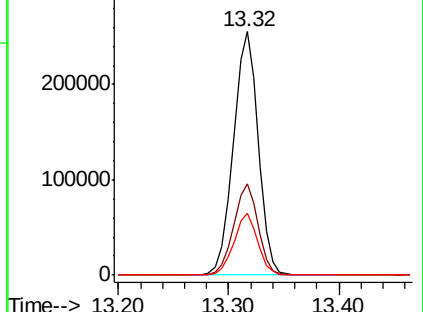
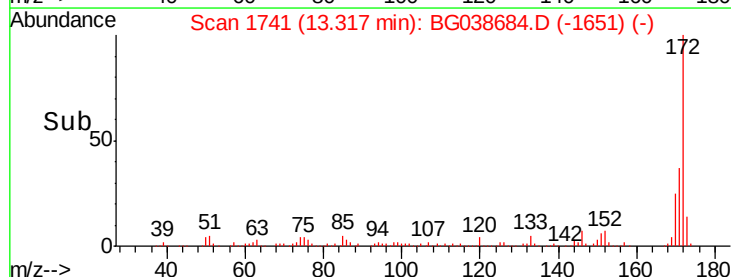
170 25.3 19.5 29.3

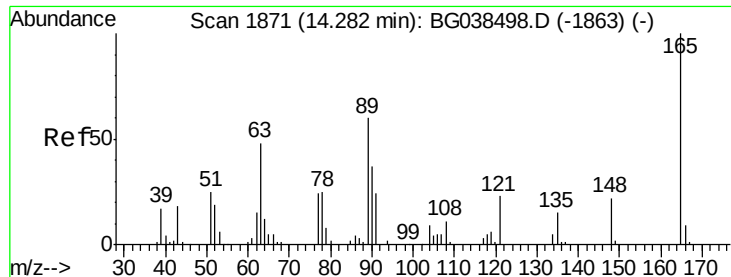


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

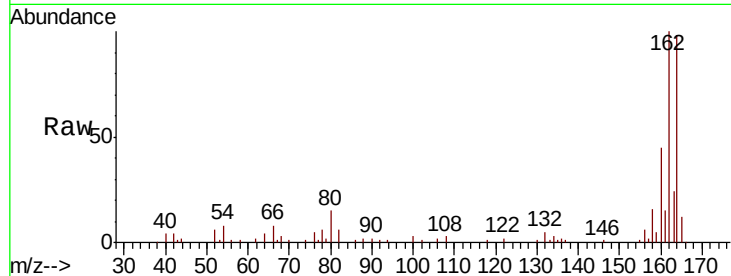




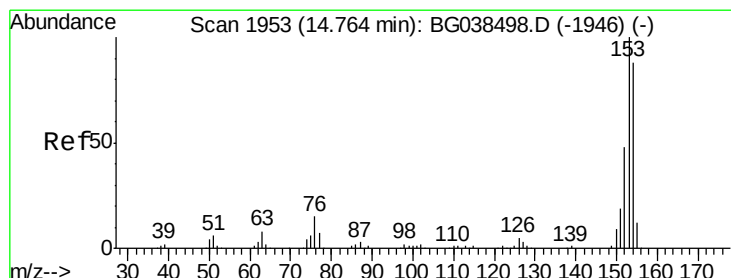
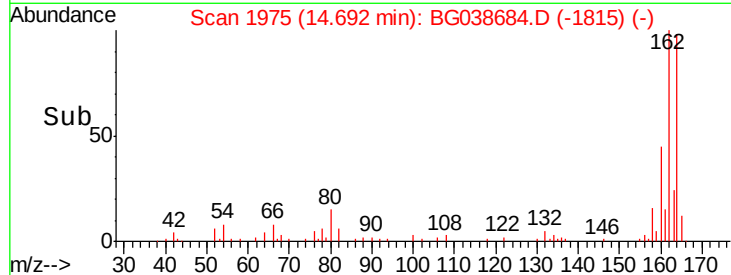
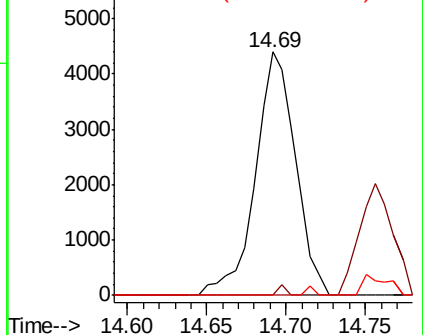
#51
 2,6-Dinitrotoluene
 Concen: 7.094 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

Tgt Ion:165 Resp: 7707
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

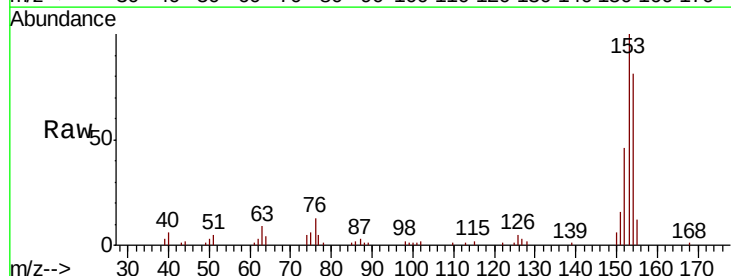


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

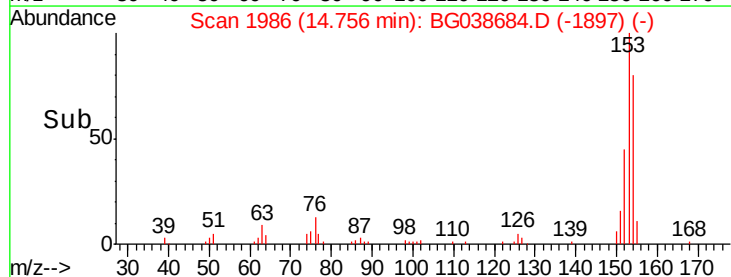
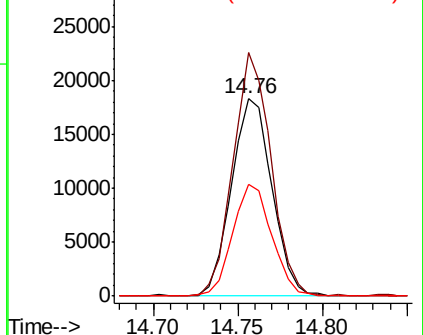


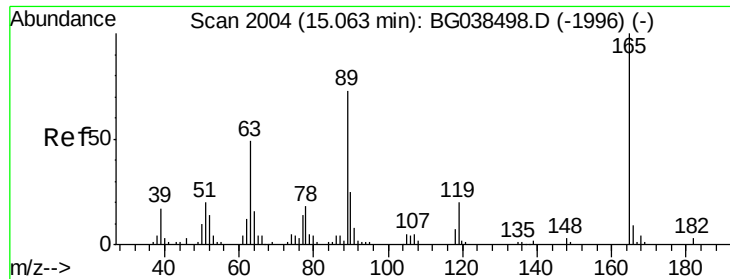
#52
 Acenaphthene
 Concen: 8.981 ng
 RT: 14.76 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion:154 Resp: 30520
 Ion Ratio Lower Upper
 154 100
 153 123.6 90.6 136.0
 152 56.7 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





#57

2,4-Dinitrotoluene

Concen: 5.037 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.37 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

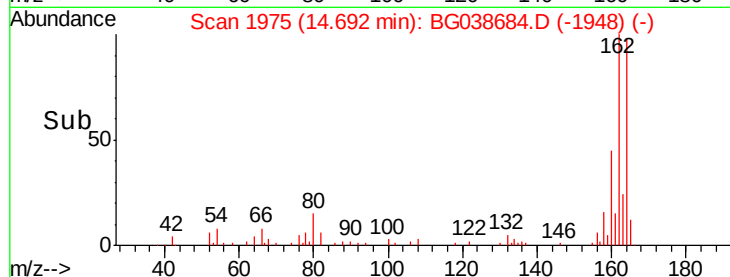
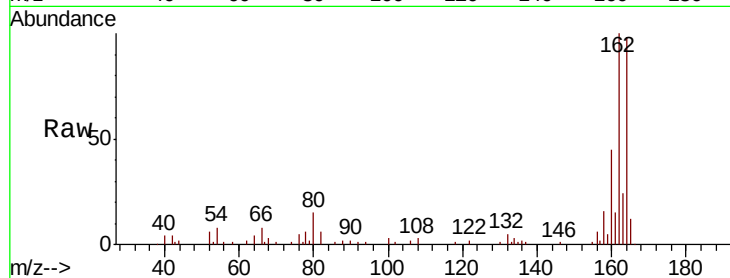
Tgt Ion:165 Resp: 7707
Ion Ratio Lower Upper

165 100

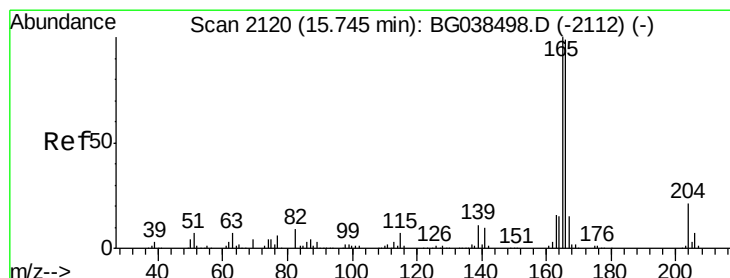
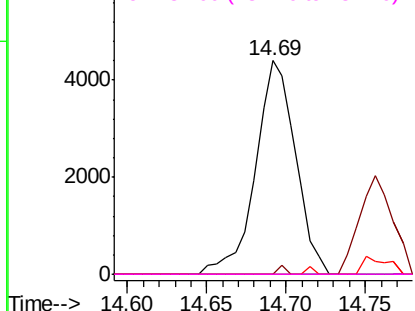
63 0.0 39.0 58.4#

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



#58

Fluorene

Concen: 2.150 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG038684.D

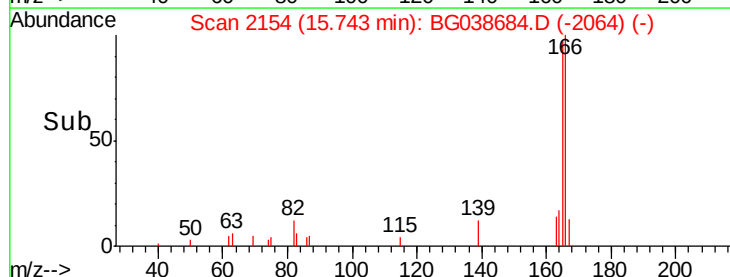
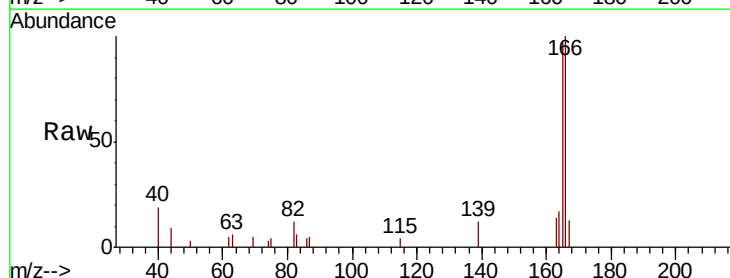
Acq: 18 Dec 2018 5:34

Tgt Ion:166 Resp: 9278
Ion Ratio Lower Upper

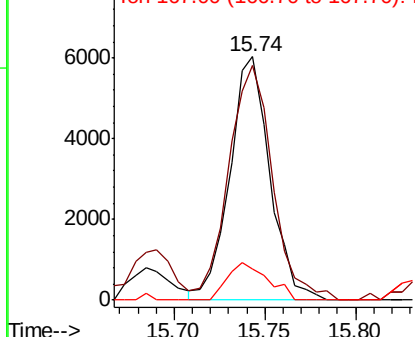
166 100

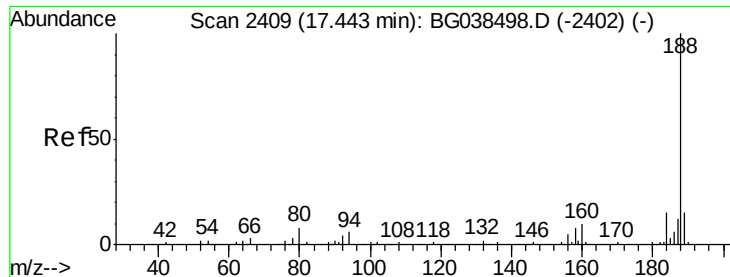
165 96.5 80.6 120.8

167 12.6 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

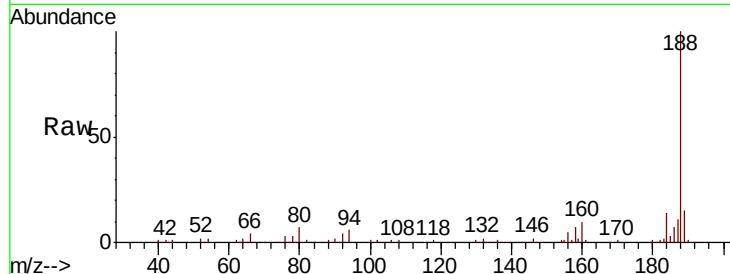




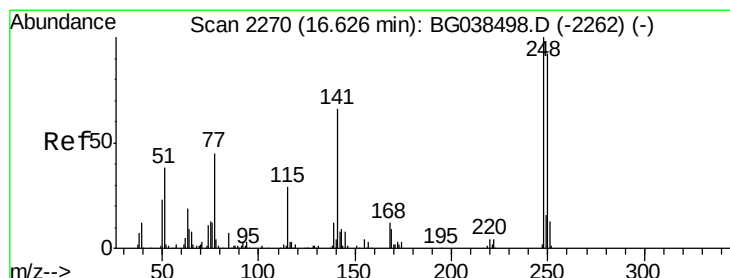
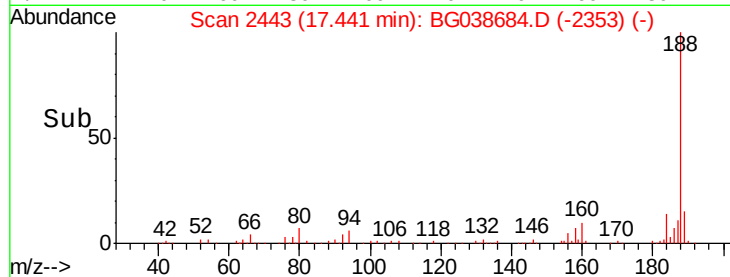
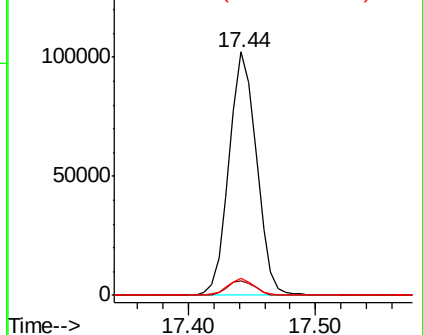
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Instrument :
 BNA_G
 ClientSampleId :
 TP-3-A

Tgt Ion:188 Resp: 153418
 Ion Ratio Lower Upper
 188 100
 94 6.2 5.1 7.7
 80 6.9 6.1 9.1

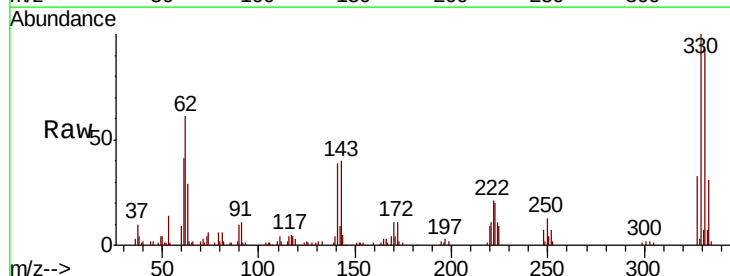


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

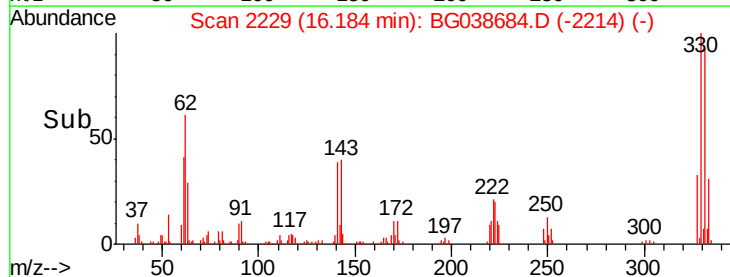
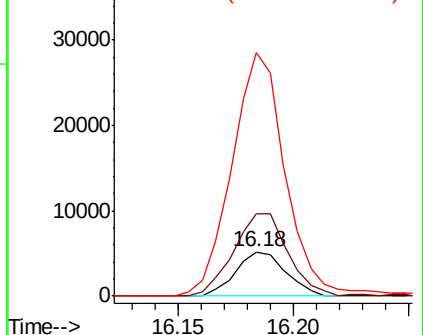


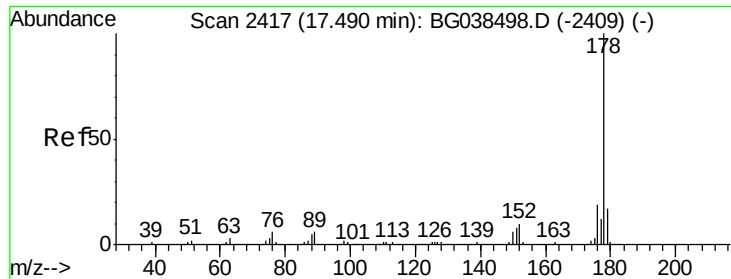
#67
 4-Bromophenyl-phenylether
 Concen: 4.149 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038684.D
 Acq: 18 Dec 2018 5:34

Tgt Ion:248 Resp: 7773
 Ion Ratio Lower Upper
 248 100
 250 188.8 73.4 110.2#
 141 438.5 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

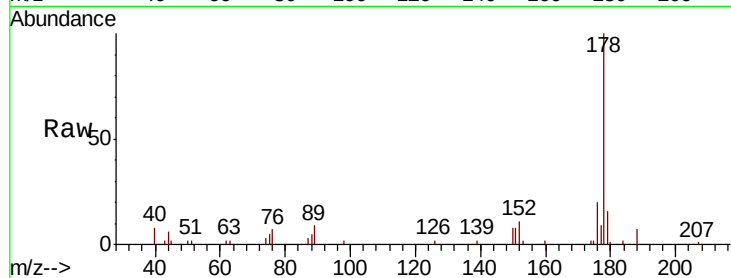




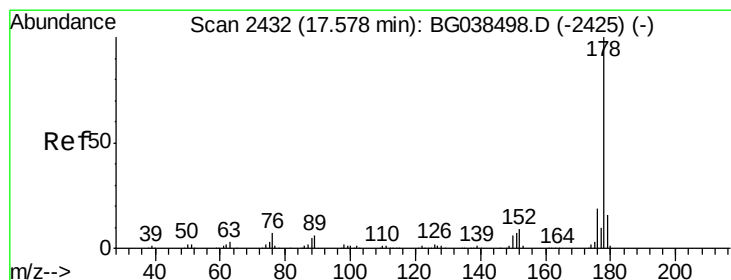
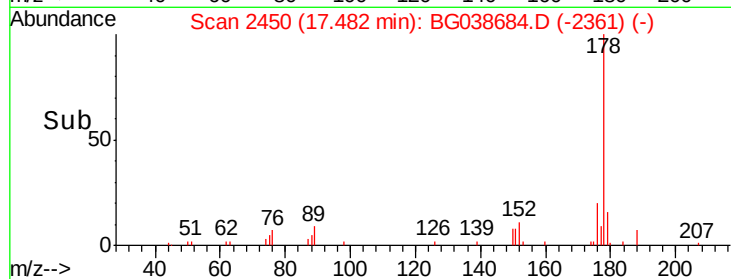
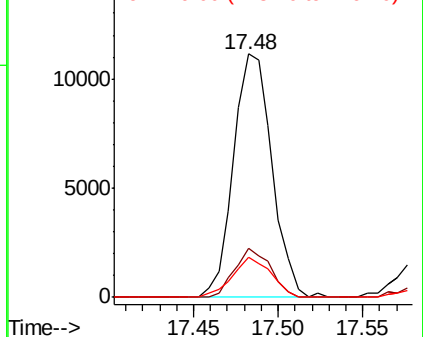
#71
Phenanthrene
Concen: 2.211 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Instrument :
BNA_G
ClientSampleId :
TP-3-A

Tgt Ion:178 Resp: 17590
Ion Ratio Lower Upper
178 100
176 20.2 15.1 22.7
179 16.3 13.2 19.8

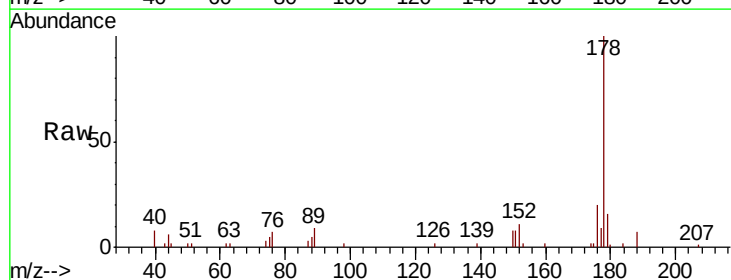


Abundance Ion 178.00 (177.70 to 178.70): E
15000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

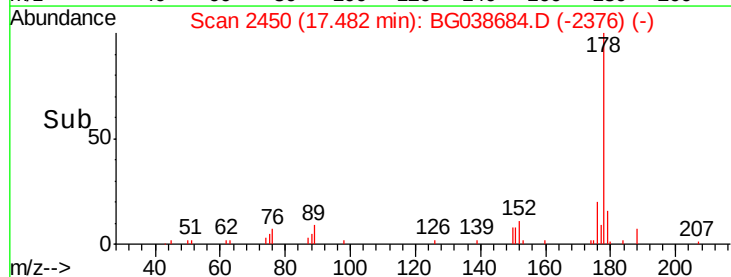
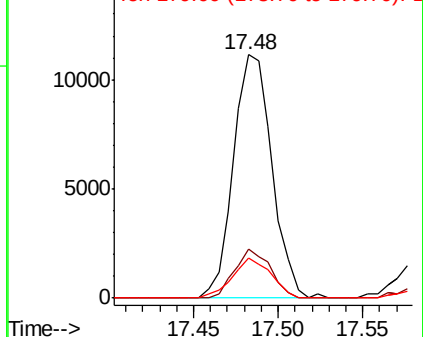


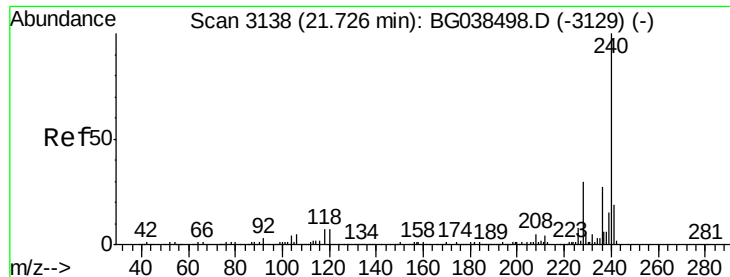
#72
Anthracene
Concen: 2.240 ng
RT: 17.48 min Scan# 2450
Delta R.T. -0.10 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:178 Resp: 17590
Ion Ratio Lower Upper
178 100
176 20.2 15.1 22.7
179 16.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
15000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

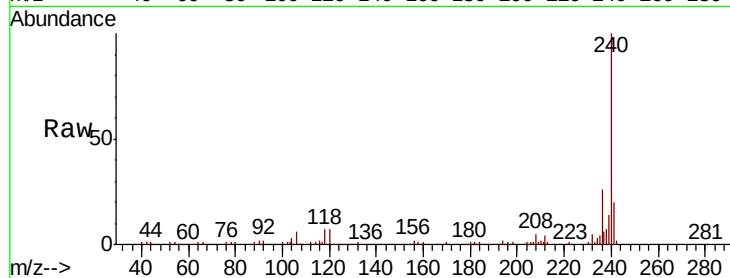




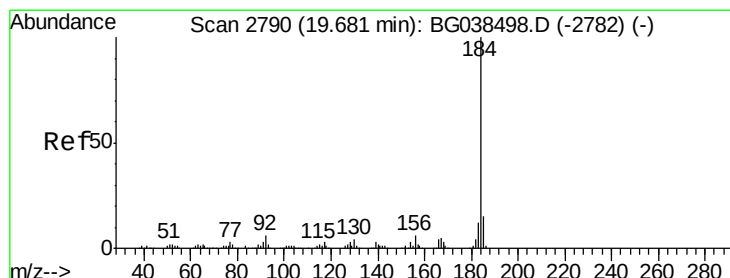
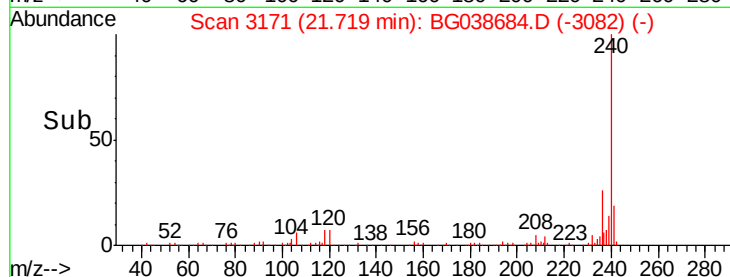
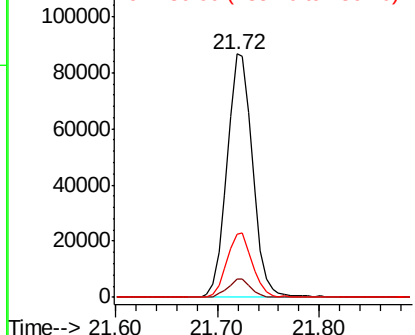
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Instrument :
BNA_G
ClientSampleId :
TP-3-A

Tgt Ion:240 Resp: 152084
Ion Ratio Lower Upper
240 100
120 7.4 5.3 7.9
236 26.1 21.4 32.2

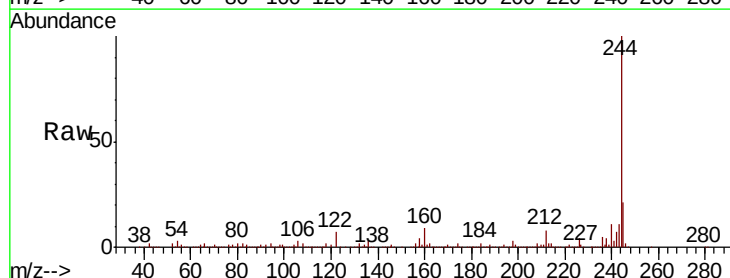


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

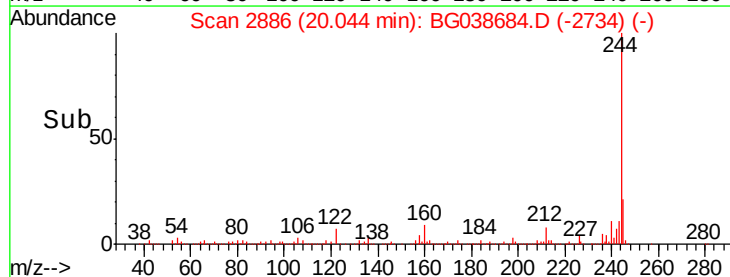
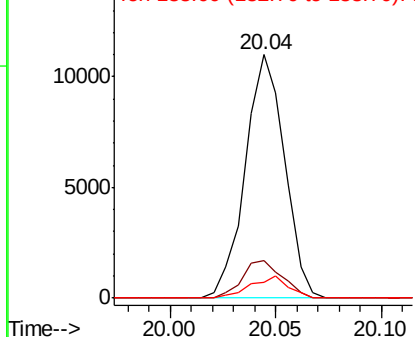


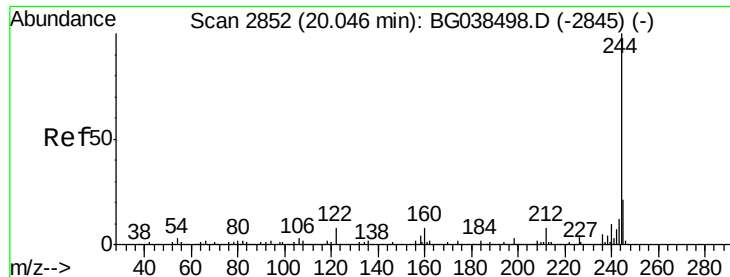
#77
Benzidine
Concen: 3.161 ng
RT: 20.04 min Scan# 2886
Delta R.T. 0.36 min
Lab File: BG038684.D
Acq: 18 Dec 2018 5:34

Tgt Ion:184 Resp: 14219
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 6.5 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: 109.725 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

Instrument :

BNA_G

ClientSampleId :

TP-3-A

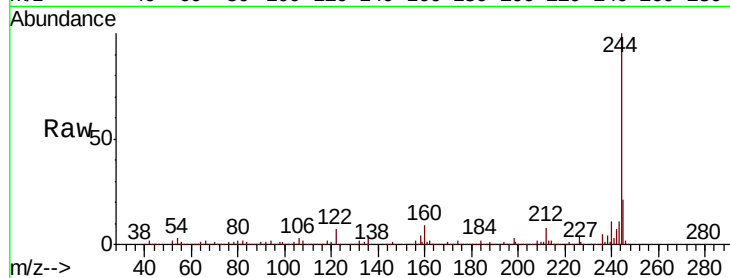
Tgt Ion:244 Resp: 766766

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

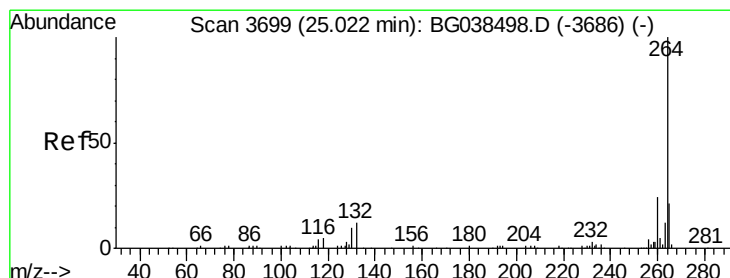
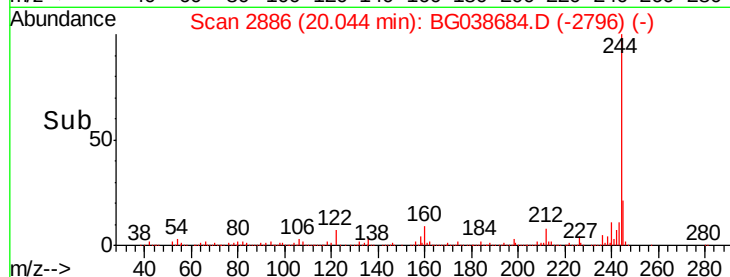
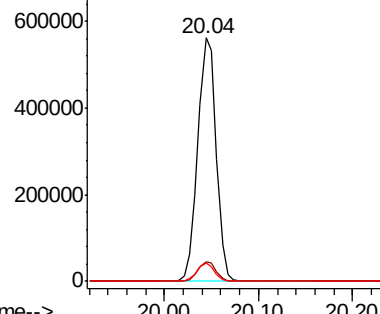
122 7.5 6.3 9.5



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: 25.03 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG038684.D

Acq: 18 Dec 2018 5:34

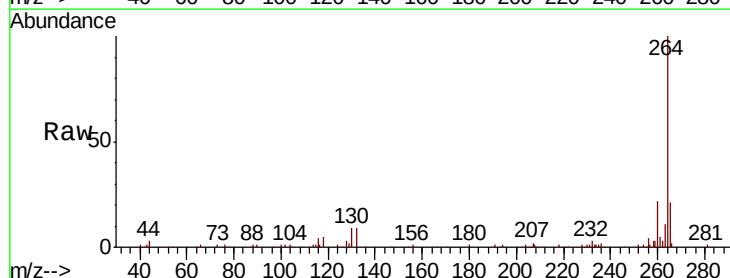
Tgt Ion:264 Resp: 169530

Ion Ratio Lower Upper

264 100

260 21.7 18.9 28.3

265 21.0 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

