

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022218\
 Data File : BG032786.D
 Acq On : 22 Feb 2018 18:20
 Operator : SJ/JU
 Sample : J1637-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT4259-RT3090-RBR200030-RBR42

Quant Time: Feb 23 00:48:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 21 15:45:53 2018
 Response via : Initial Calibration

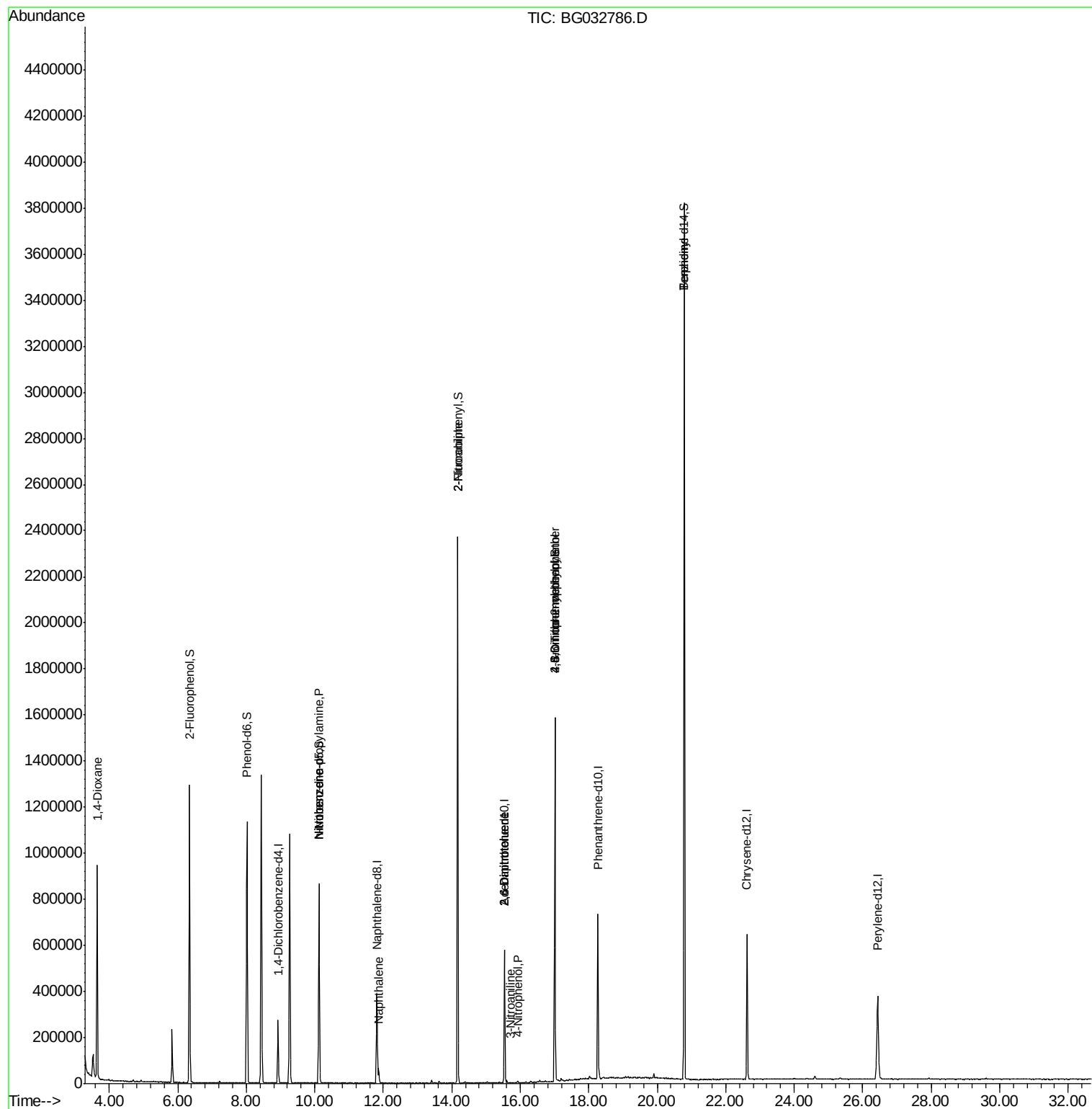
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	82448	20.00	ng	-0.01
21) Naphthalene-d8	11.81	136	352707	20.00	ng	-0.01
38) Acenaphthene-d10	15.54	164	196477	20.00	ng	-0.01
63) Phenanthrene-d10	18.27	188	435725	20.00	ng	-0.01
75) Chrysene-d12	22.62	240	398149	20.00	ng	-0.02
86) Perylene-d12	26.44	264	421384	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	621072	120.52	ng	0.00
7) Phenol-d6	8.02	99	738967	102.87	ng	0.00
23) Nitrobenzene-d5	10.12	82	533761	102.68	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	287424	139.13	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1221050	89.63	ng	-0.01
78) Terphenyl-d14	20.79	244	1654715	93.37	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.65	88	9874	4.415	ng	# 1
19) n-Nitroso-di-n-propylamine	10.12	70	68975	13.601	ng	# 82
24) Nitrobenzene	10.12	77	1666	6.637	ng	# 41
31) Naphthalene	11.86	128	57757	3.134	ng	# 98
47) 2-Nitroaniline	14.17	65	2259	10.391	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	26215	16.632	ng	# 20
52) 3-Nitroaniline	15.71	138	60	7.558	ng	# 1
55) 4-Nitrophenol	15.93	139	1864	7.702	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	26215	14.831	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.01	198	831	5.759	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	20638	4.479	ng	# 1
76) Benzidine	20.79	184	28629	2.109	ng	# 95

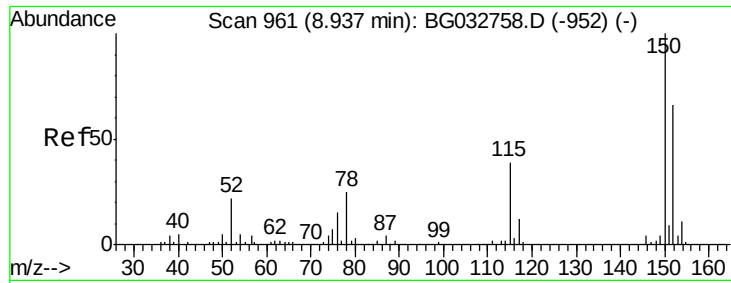
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.93 min Scan# 960

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

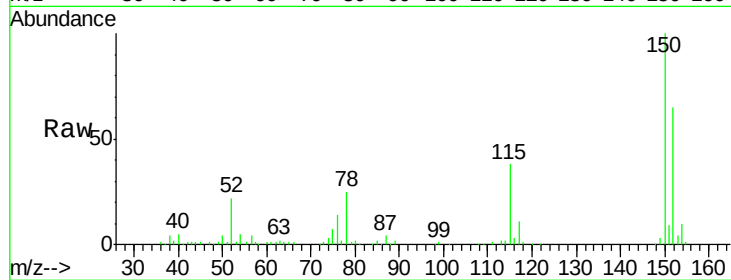
Tot Ion:152 Resp: 82448

Ion Ratio Lower Upper

152 100

150 154.6 126.6 189.8

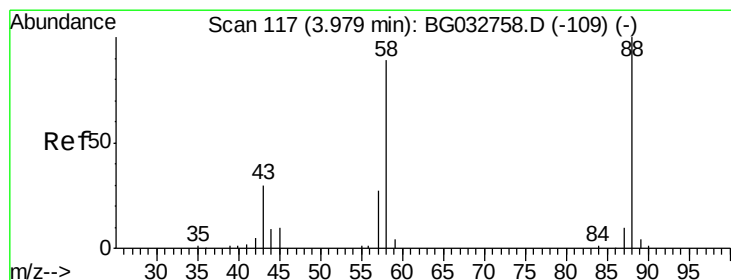
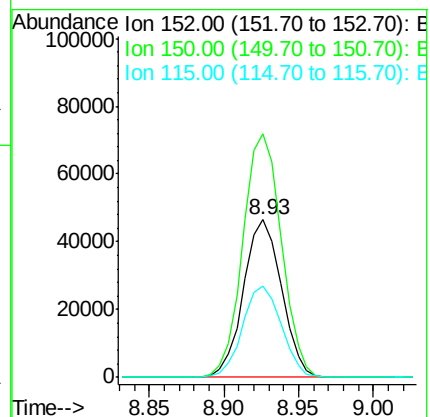
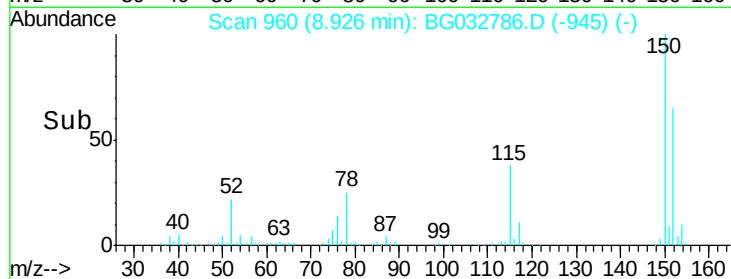
115 58.2 53.0 79.4



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



#2

1,4-Dioxane

Concen: 4.415 ng

RT: 3.65 min Scan# 61

Delta R.T. -0.33 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

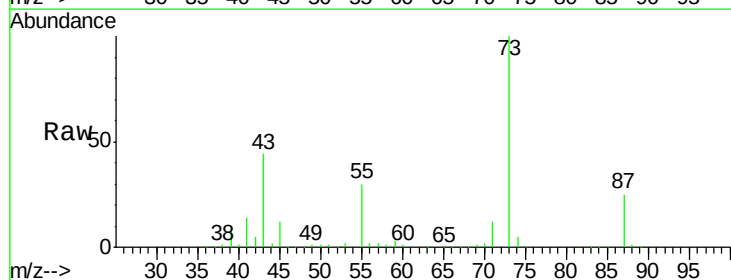
Tgt Ion: 88 Resp: 9874

Ion Ratio Lower Upper

88 100

58 33.8 79.6 119.4#

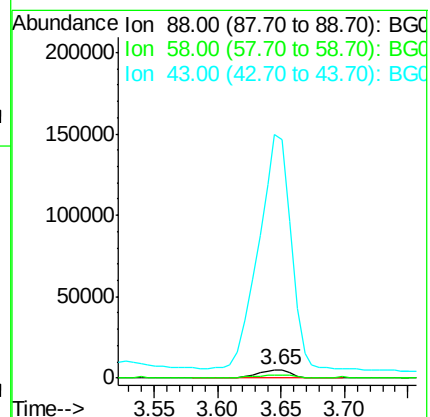
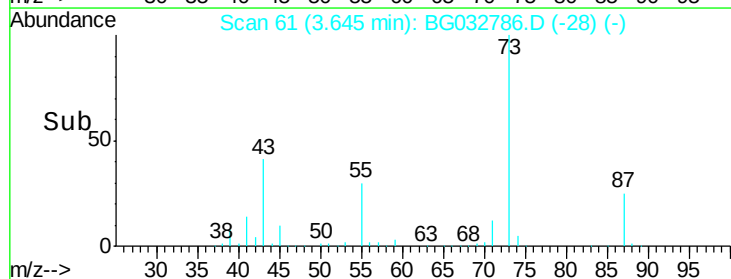
43 2636.5 27.4 41.0#

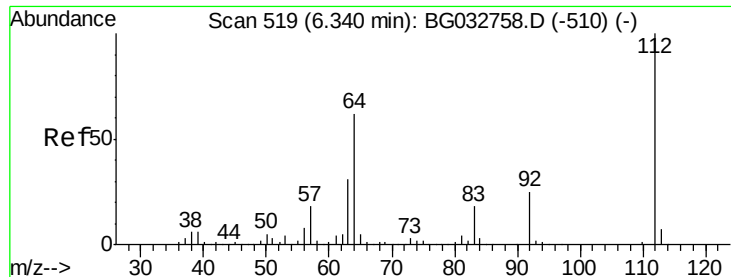


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 120.515 ng

RT: 6.34 min Scan# 520

Delta R.T. 0.00 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

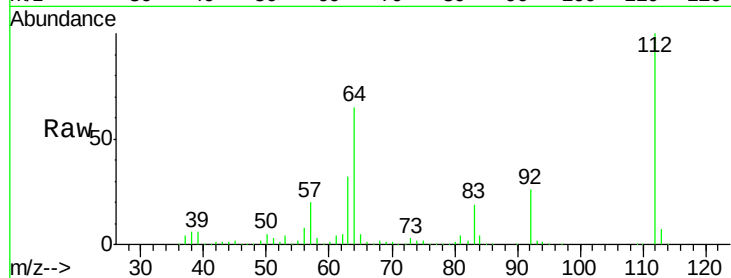
Tot Ion:112 Resp: 621072

Ion Ratio Lower Upper

112 100

64 64.5 56.3 84.5

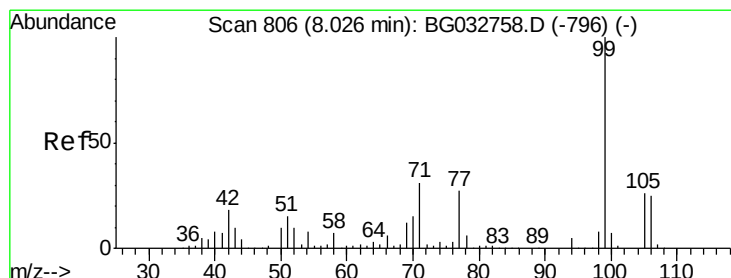
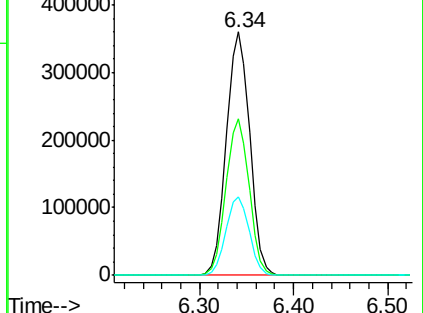
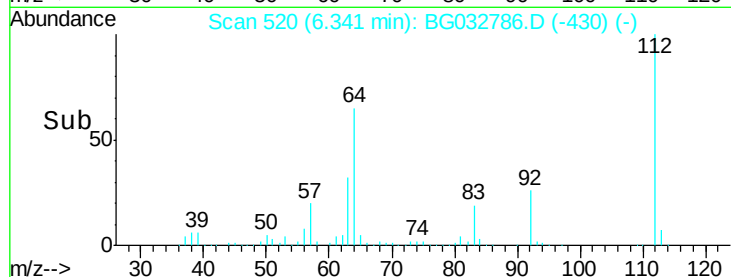
63 32.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 102.874 ng

RT: 8.02 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

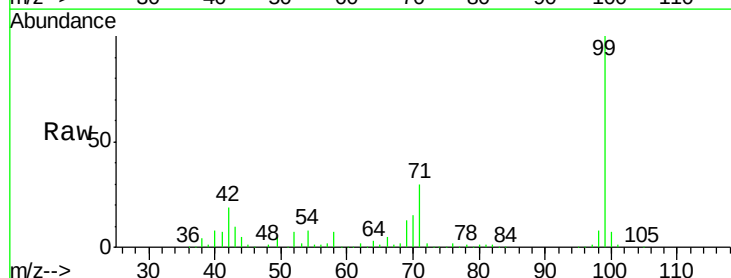
Tgt Ion: 99 Resp: 738967

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

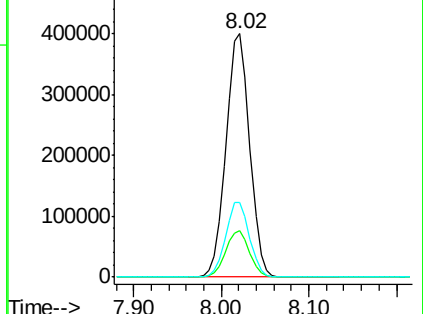
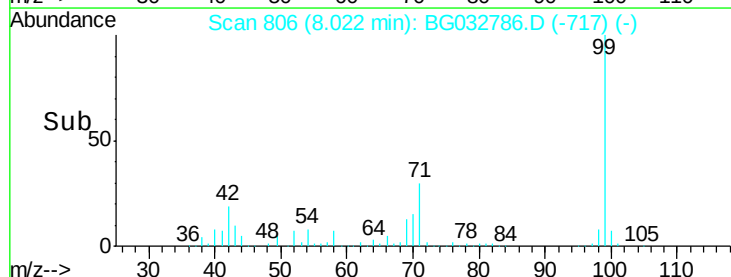
71 30.4 26.1 39.1

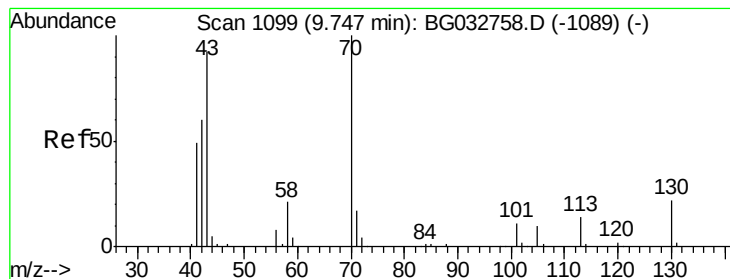


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 13.601 ng

RT: 10.12 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

Tot Ion: 70 Resp: 68975

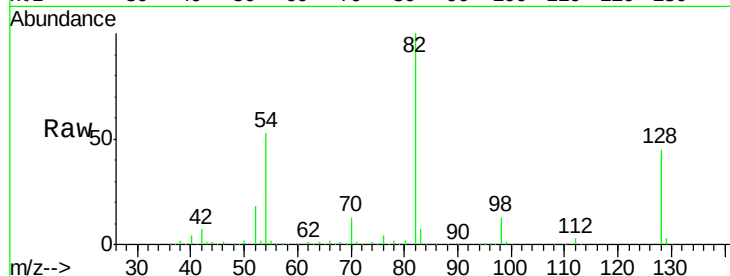
Ion Ratio Lower Upper

70 100

42 51.6 49.1 73.7

101 0.0 8.5 12.7#

130 3.2 13.4 20.0#



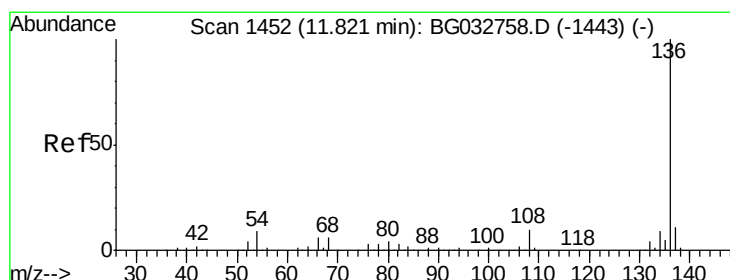
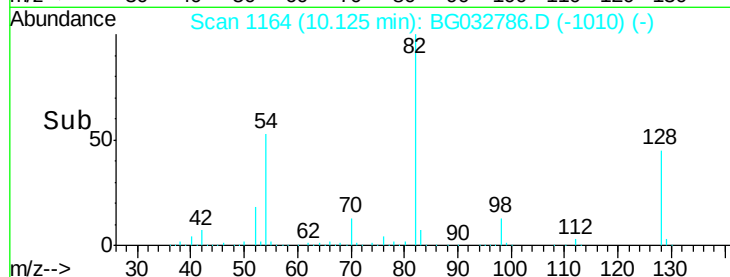
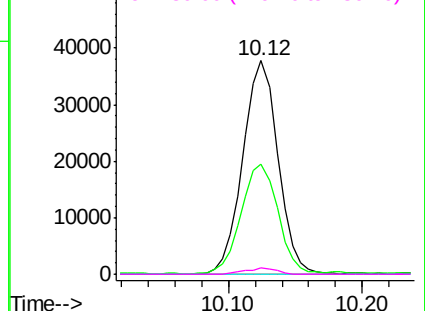
Abundance

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: 11.81 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Tgt Ion: 136 Resp: 352707

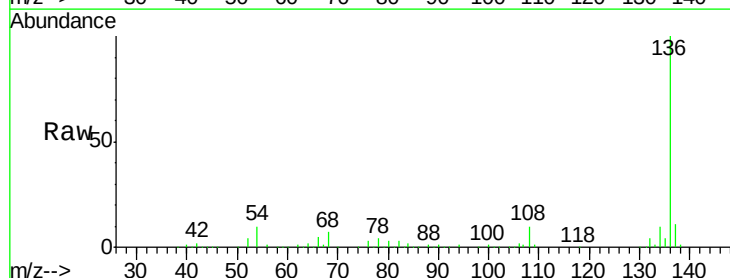
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 9.6 10.3 15.5#

68 6.7 4.5 6.7



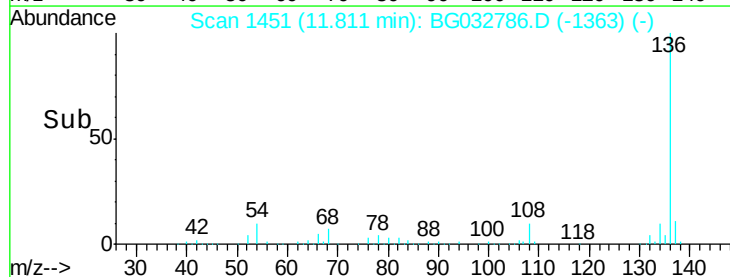
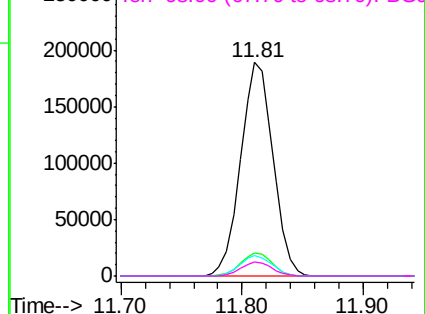
Abundance

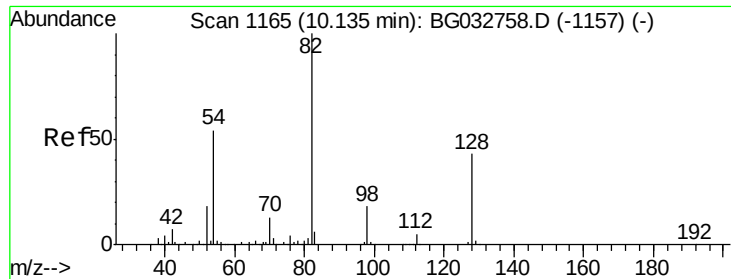
Ion 136.00 (135.70 to 136.70): BGC

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: 102.683 ng

RT: 10.12 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

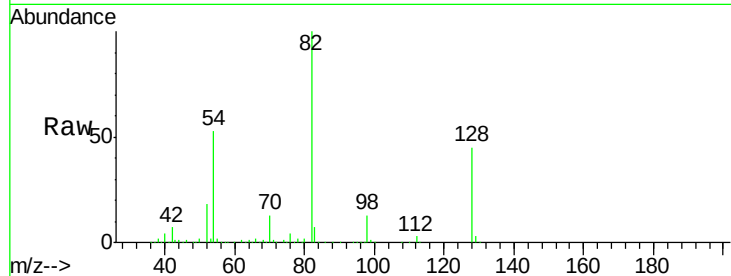
Tot Ion: 82 Resp: 533761

Ion Ratio Lower Upper

82 100

128 45.4 29.7 44.5#

54 53.4 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

10.12

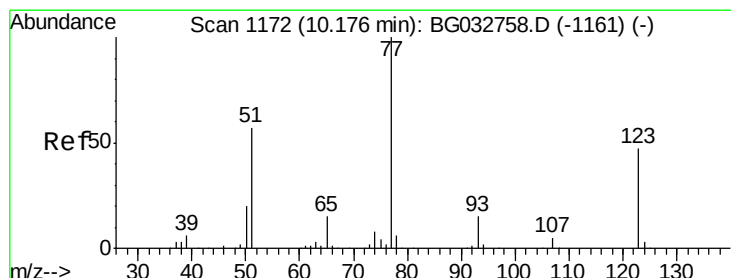
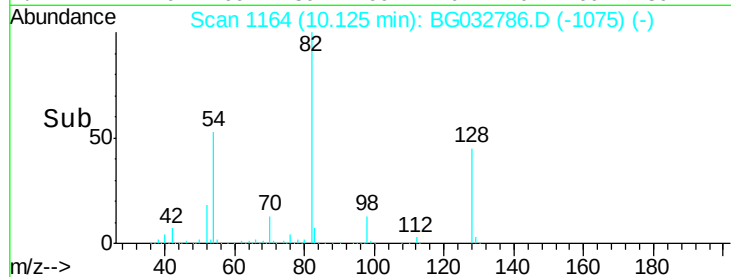
300000

200000

100000

0

Time--> 10.00 10.10 10.20



#24

Nitrobenzene

Concen: 6.637 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.06 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

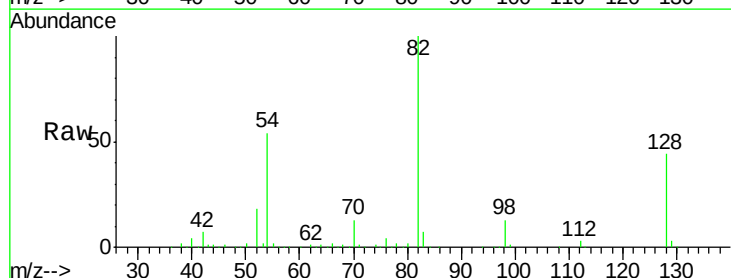
Tgt Ion: 77 Resp: 1666

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 33.7 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

10.12

1200

1000

800

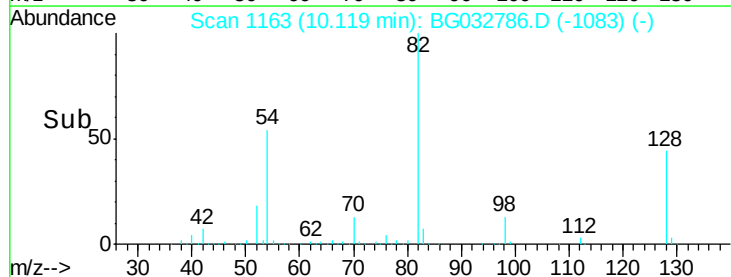
600

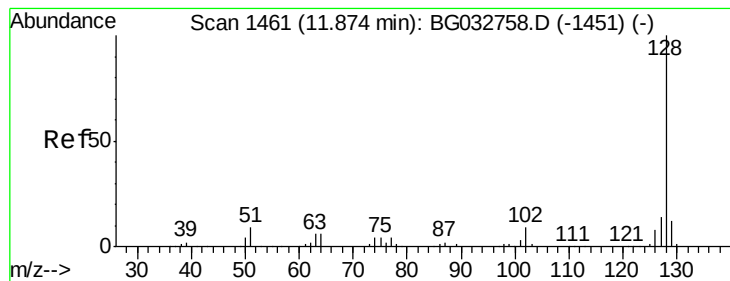
400

200

0

Time--> 10.05 10.10 10.15





#31

Naphthalene

Concen: 3.134 ng

RT: 11.86 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

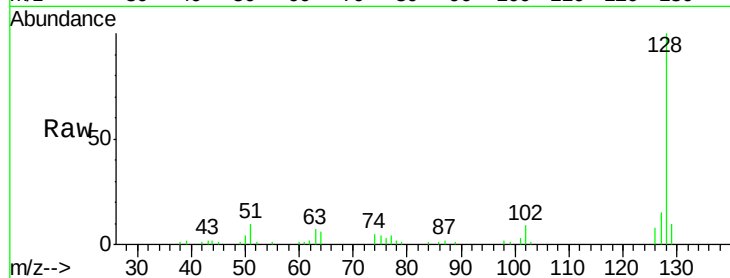
BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

Tot Ion:128 Resp: 57757

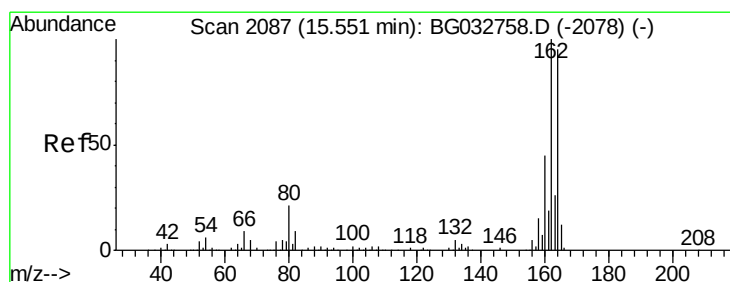
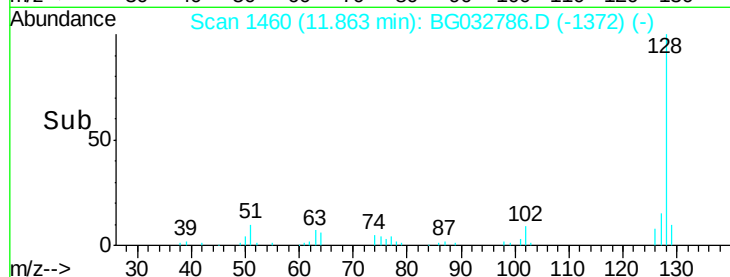
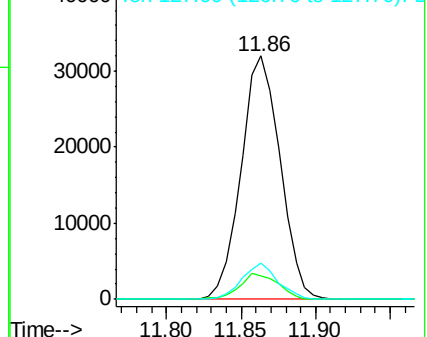
Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.6	12.8
127	14.9	11.6	17.4



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: 15.54 min Scan# 2086

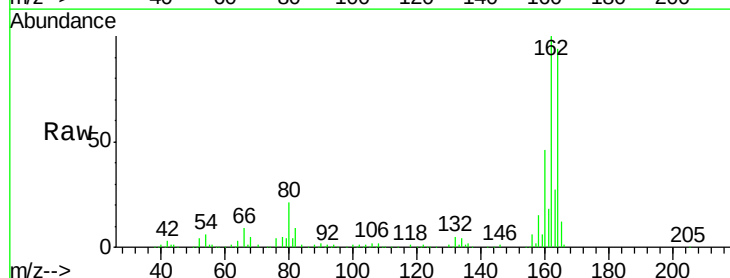
Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Tgt Ion:164 Resp: 196477

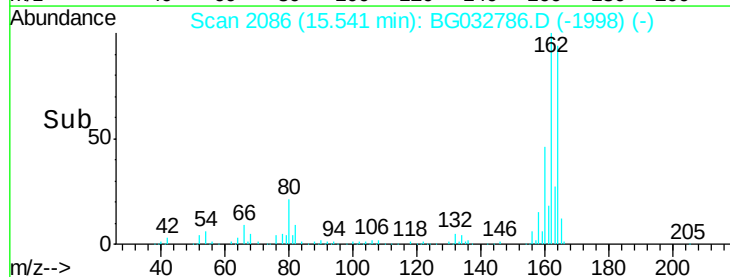
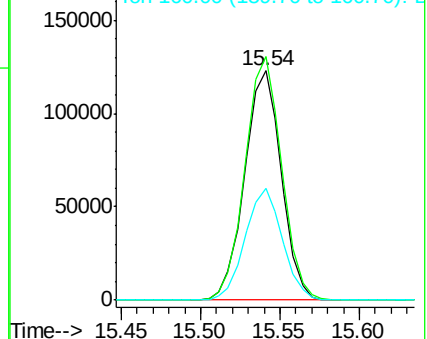
Ion	Ratio	Lower	Upper
164	100		
162	106.2	78.8	118.2
160	48.5	35.4	53.0

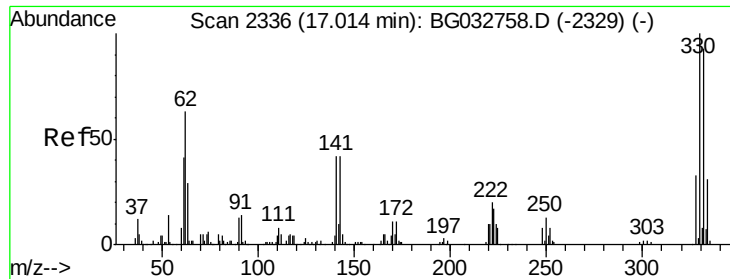


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

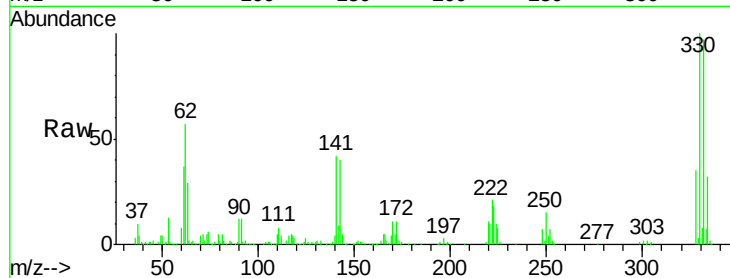




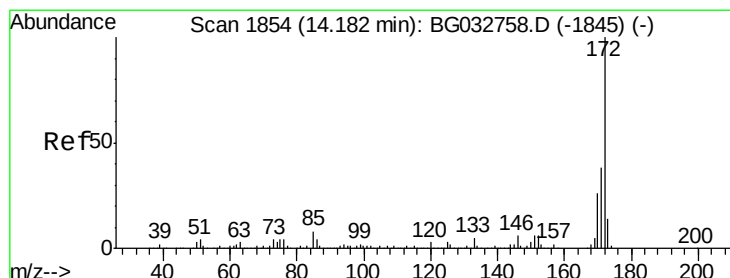
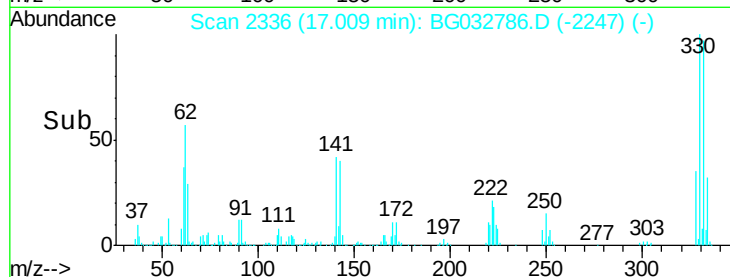
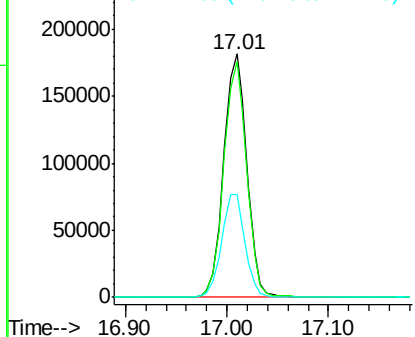
#41
 2,4,6-Tribromophenol
 Concen: 139.129 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: BG032786.D
 Acq: 22 Feb 2018 18:20

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Tot Ion:330 Resp: 287424
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 42.8 25.2 37.8#

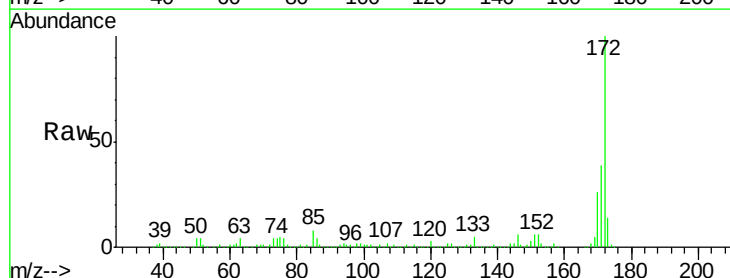


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

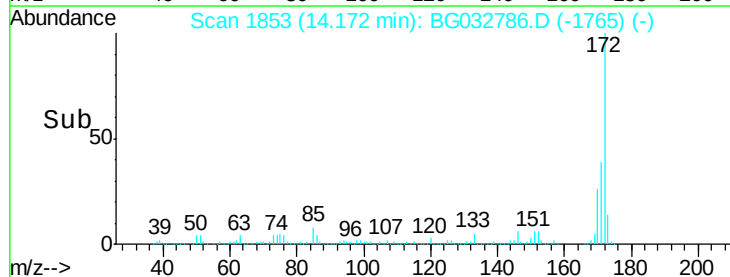
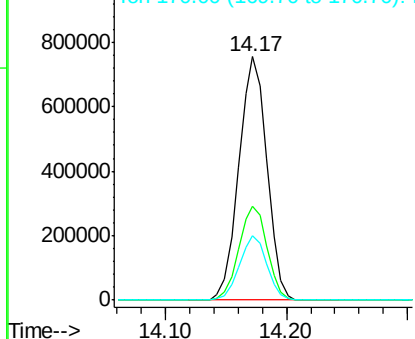


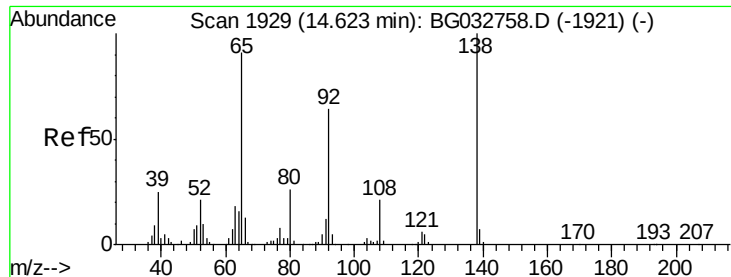
#44
 2-Fluorobiphenyl
 Concen: 89.632 ng
 RT: 14.17 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BG032786.D
 Acq: 22 Feb 2018 18:20

Tgt Ion:172 Resp: 1221050
 Ion Ratio Lower Upper
 172 100
 171 38.8 30.0 45.0
 170 26.3 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





#47

2-Nitroaniline

Concen: 10.391 ng

RT: 14.17 min Scan# 1853

Delta R.T. -0.45 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

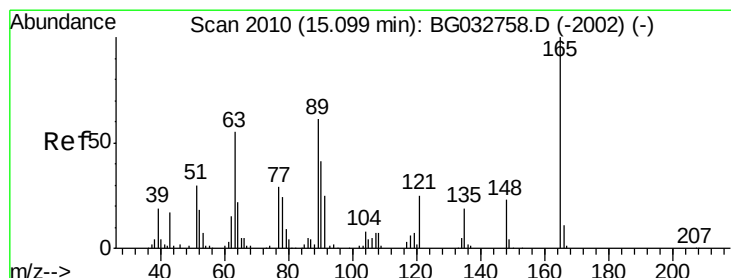
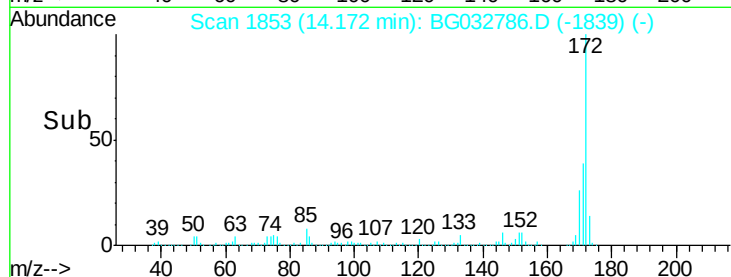
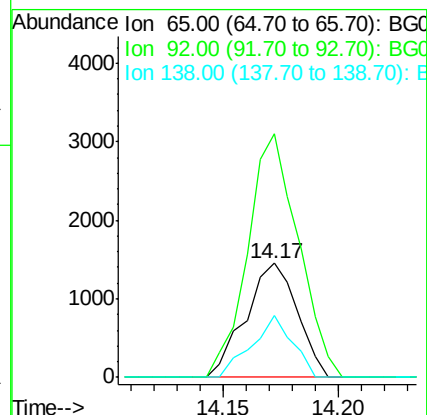
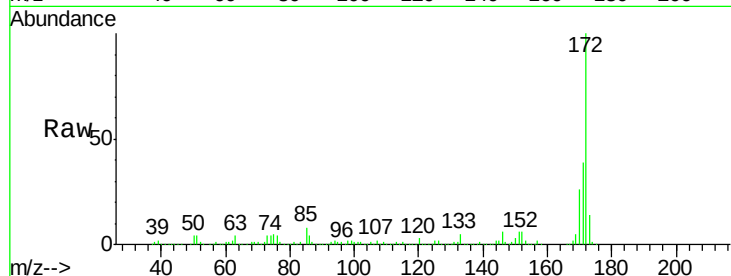
Tot Ion: 65 Resp: 2259

Ion Ratio Lower Upper

65 100

92 213.2 54.6 82.0#

138 54.2 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.632 ng

RT: 15.53 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

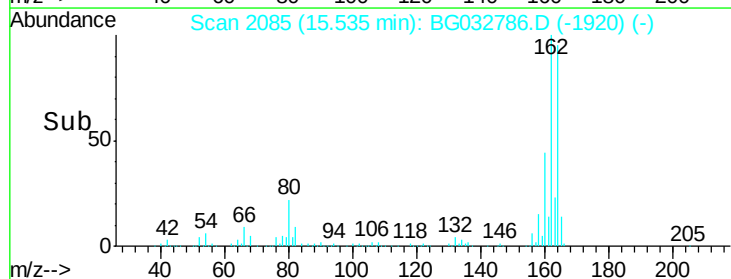
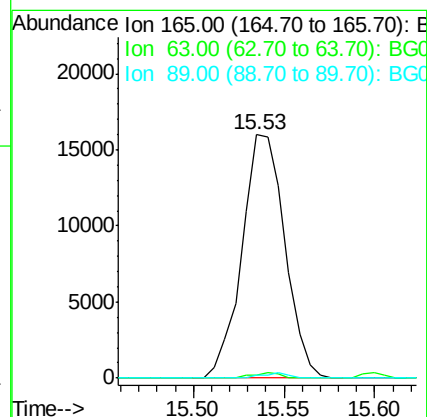
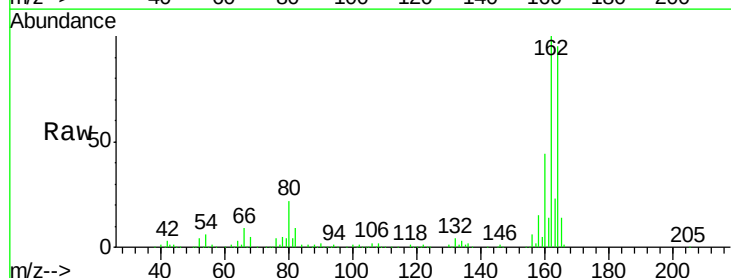
Tgt Ion: 165 Resp: 26215

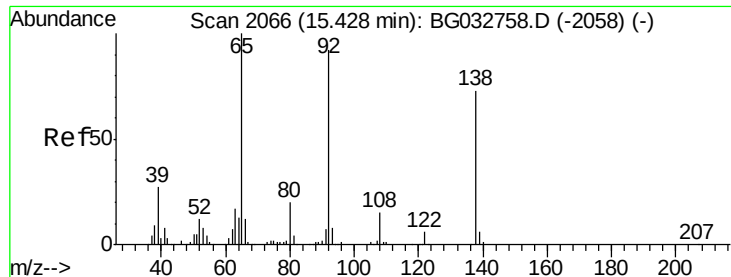
Ion Ratio Lower Upper

165 100

63 1.2 52.7 79.1#

89 1.3 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.558 ng

RT: 15.71 min Scan# 2115

Delta R.T. 0.28 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

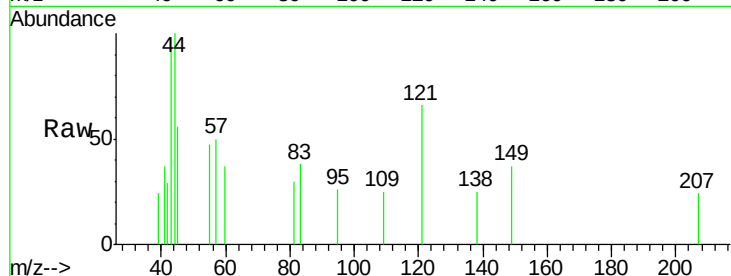
Tot Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

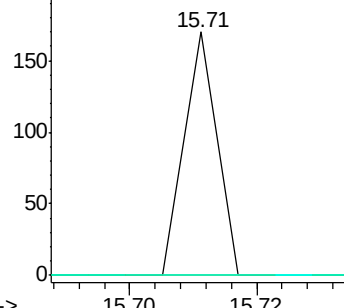
92 0.0 105.8 158.8#



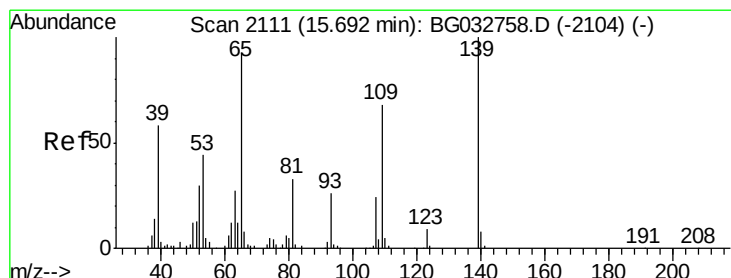
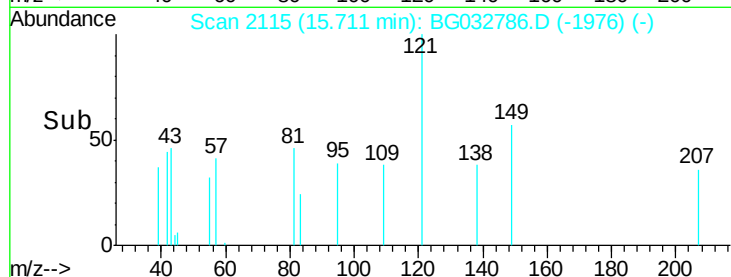
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



Time-->



#55

4-Nitrophenol

Concen: 7.702 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.24 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

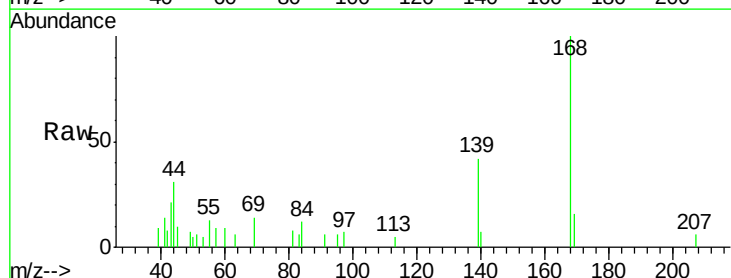
Tgt Ion:139 Resp: 1864

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

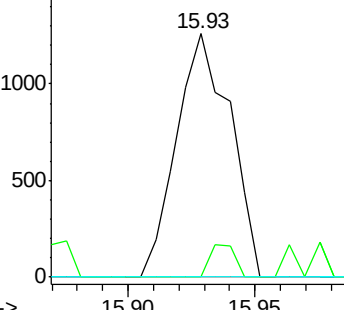
65 0.0 97.2 137.2#



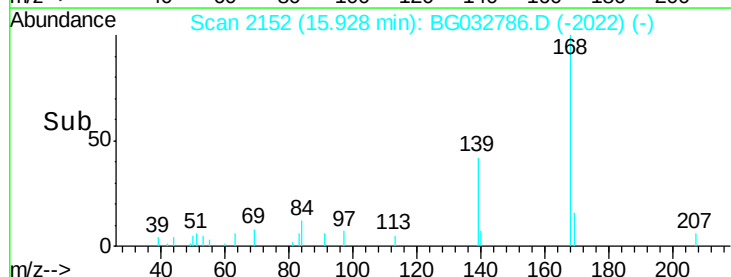
Abundance Ion 139.00 (138.70 to 139.70): E

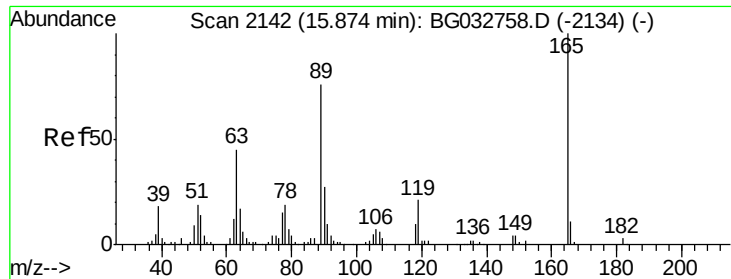
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



Time-->





#56

2,4-Dinitrotoluene

Concen: 14.831 ng

RT: 15.53 min Scan# 2085

Delta R.T. -0.34 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

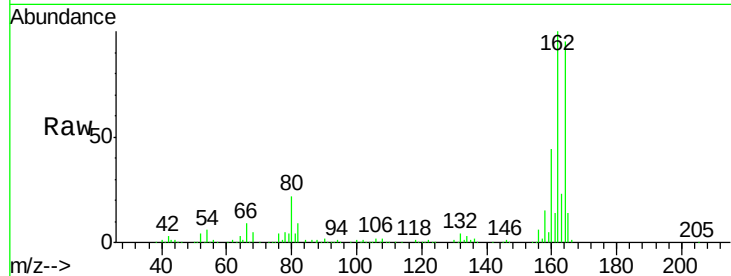
Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

Tot Ion:	165	Resp:	26215
Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.0	63.0#
89	1.3	66.9	100.3#
182	0.0	2.6	3.8#

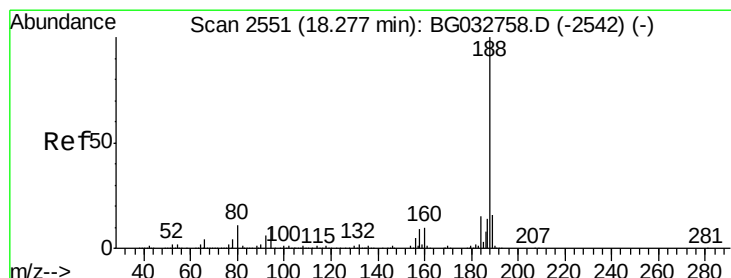
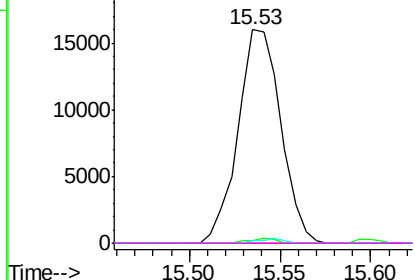
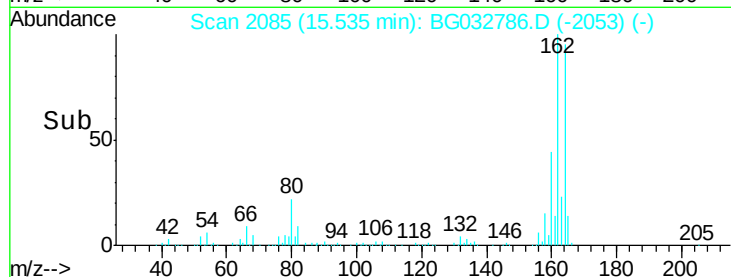


Abundance Ion 165.00 (164.70 to 165.70): E

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

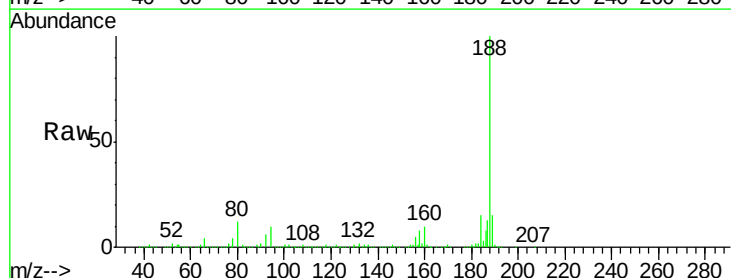
RT: 18.27 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

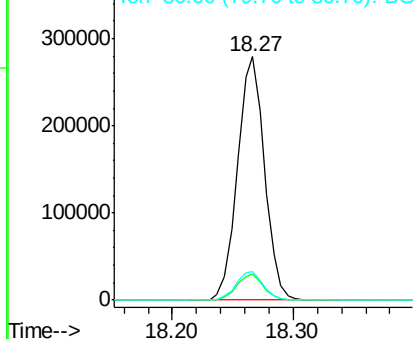
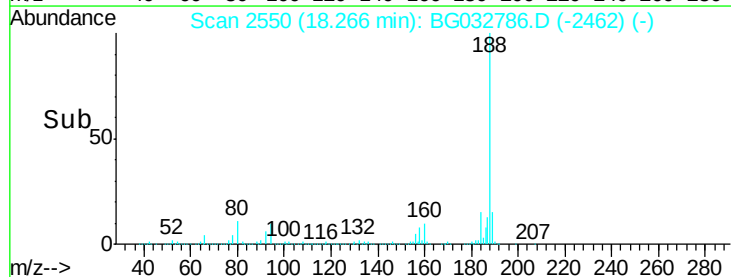
Tgt Ion:	188	Resp:	435725
Ion	Ratio	Lower	Upper
188	100		
94	10.5	6.9	10.3#
80	11.5	7.7	11.5

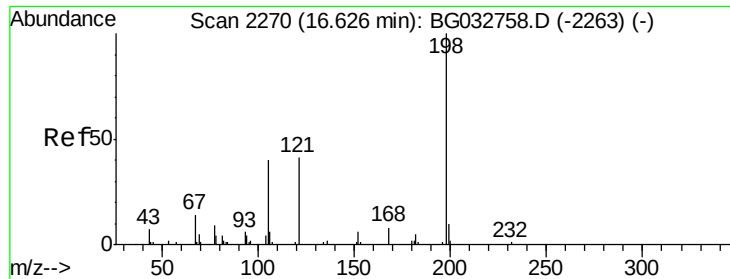


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

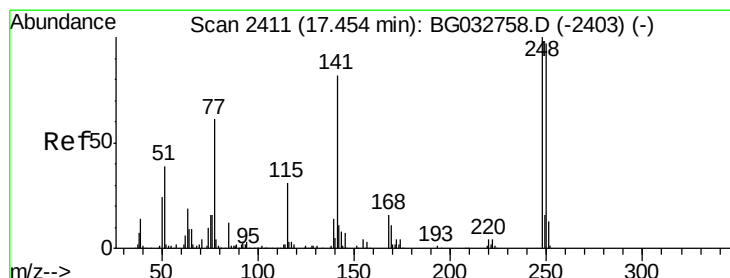
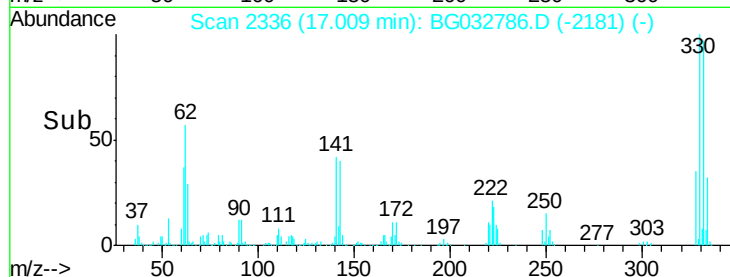
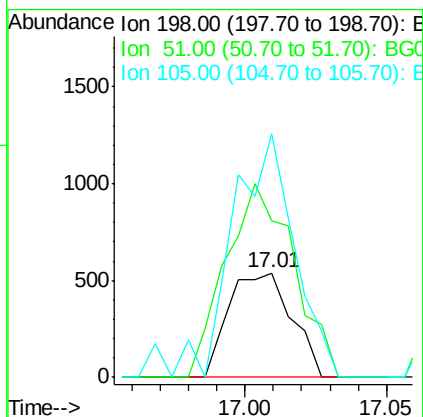
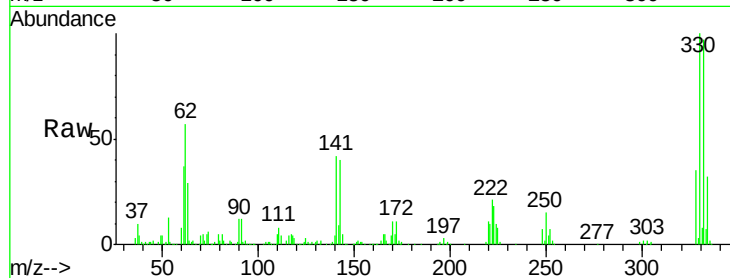




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.759 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. 0.38 min
 Lab File: BG032786.D
 Acq: 22 Feb 2018 18:20

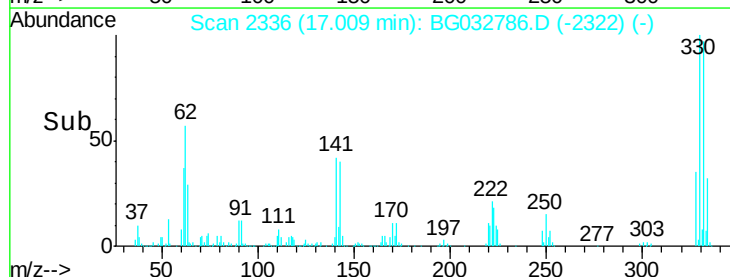
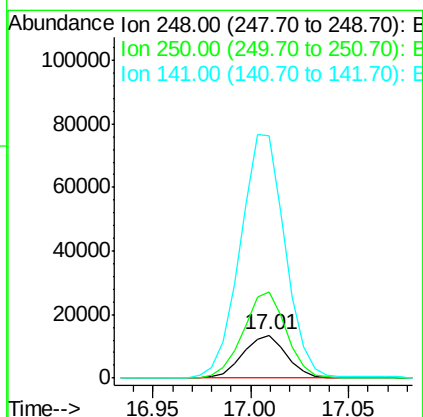
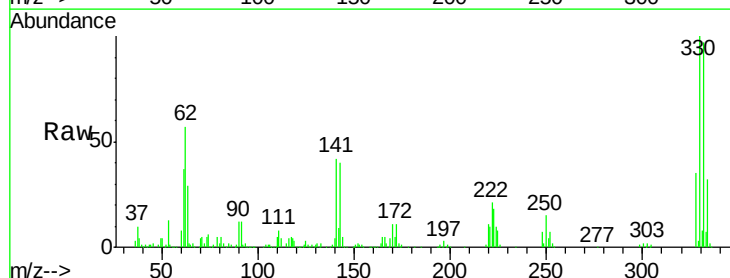
Instrument :
 BNA_G
 ClientSampleId :
 RT4259-RT3090-RBR200030-RBR42

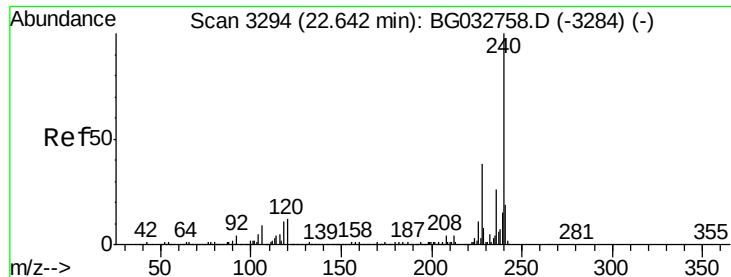
Tot Ion:198 Resp: 831
 Ion Ratio Lower Upper
 198 100
 51 150.7 30.6 70.6#
 105 233.8 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.479 ng
 RT: 17.01 min Scan# 2336
 Delta R.T. -0.45 min
 Lab File: BG032786.D
 Acq: 22 Feb 2018 18:20

Tgt Ion:248 Resp: 20638
 Ion Ratio Lower Upper
 248 100
 250 202.8 77.1 115.7#
 141 567.1 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

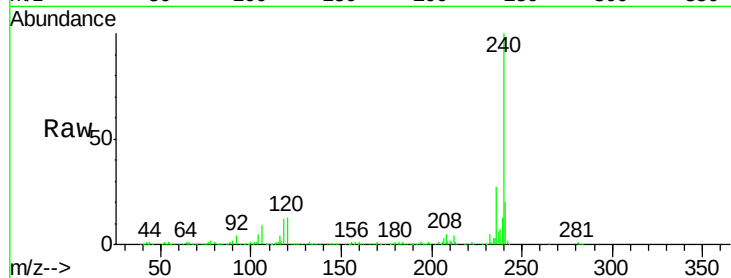
Tot Ion:240 Resp: 398149

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

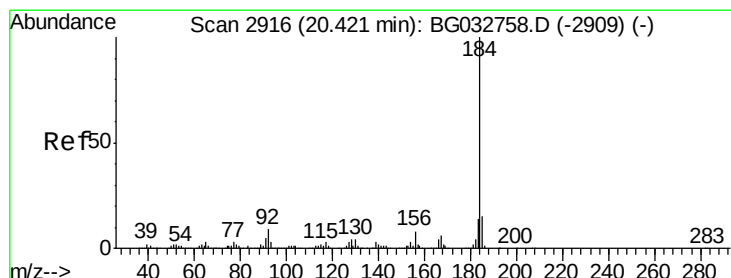
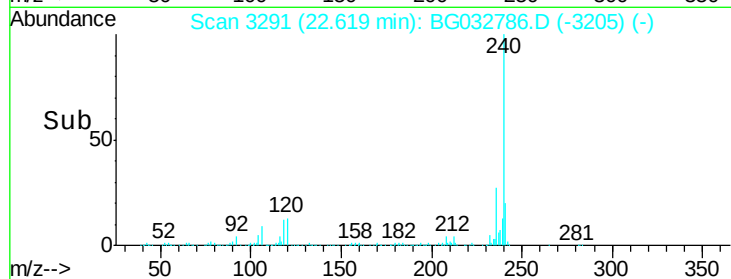
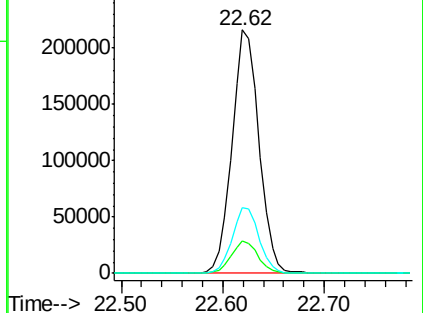
236 26.9 20.9 31.3



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: 2.109 ng

RT: 20.79 min Scan# 2979

Delta R.T. 0.37 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

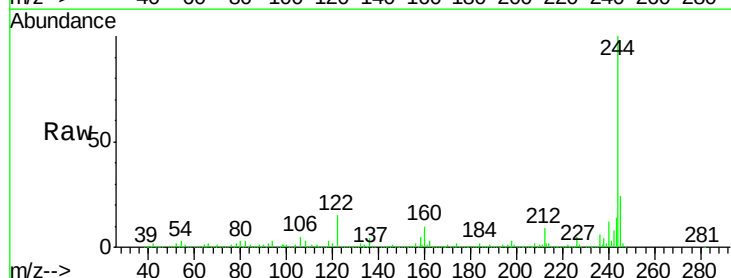
Tgt Ion:184 Resp: 28629

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

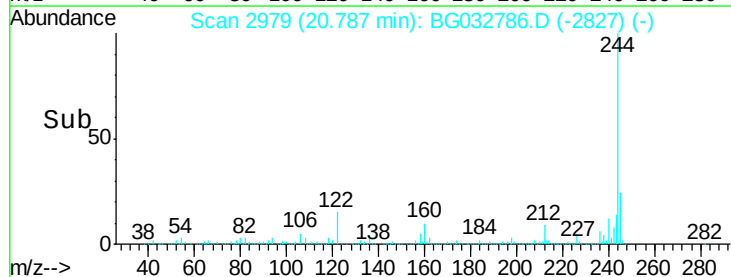
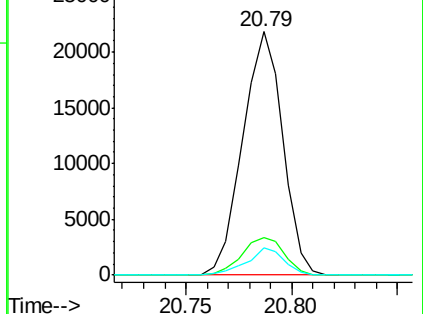
183 11.0 10.6 16.0

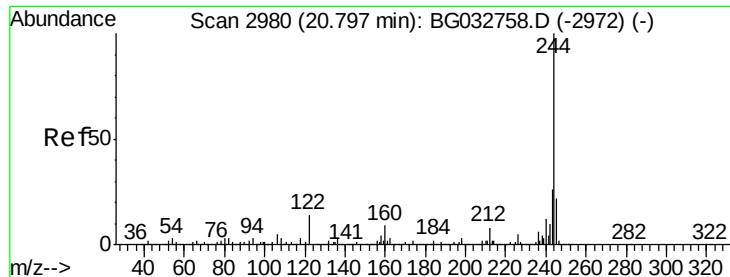


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.374 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

Instrument :

BNA_G

ClientSampleId :

RT4259-RT3090-RBR200030-RBR42

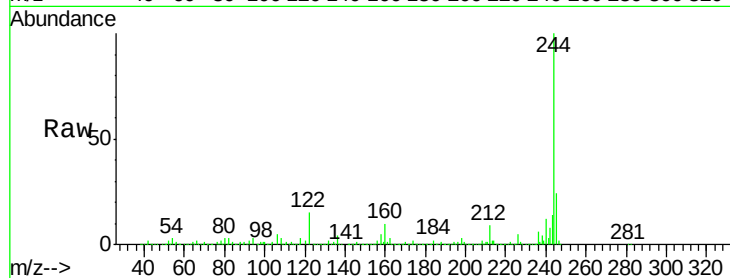
Tot Ion:244 Resp: 1654715

Ion Ratio Lower Upper

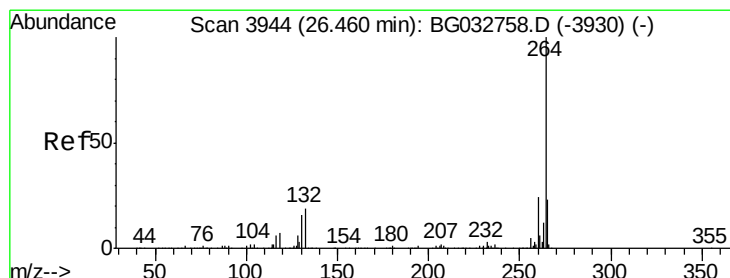
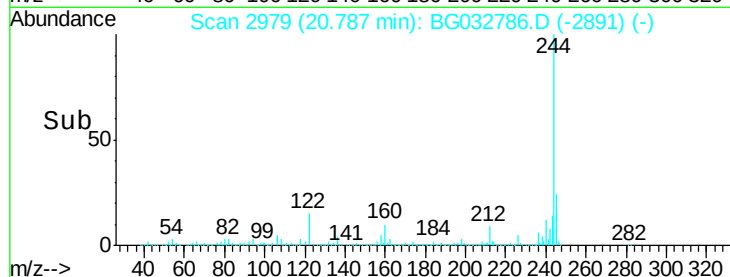
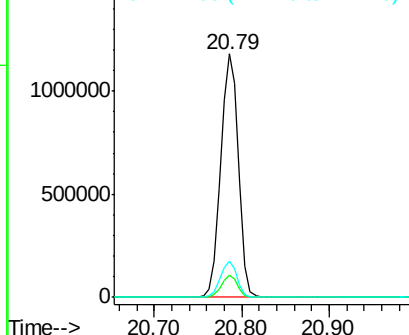
244 100

212 8.9 5.8 8.8#

122 14.8 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: 26.44 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BG032786.D

Acq: 22 Feb 2018 18:20

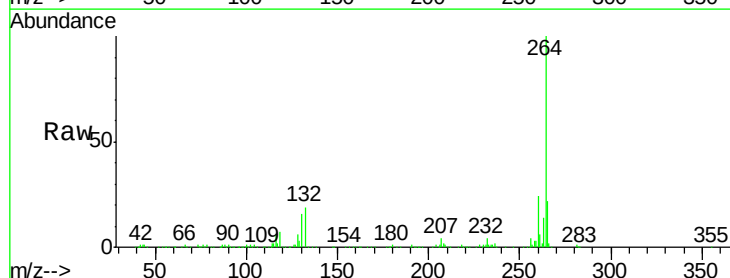
Tgt Ion:264 Resp: 421384

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.5 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

