

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032882.D
 Acq On : 28 Feb 2018 9:02
 Operator : SJ/JU
 Sample : J1698-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 09:42:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

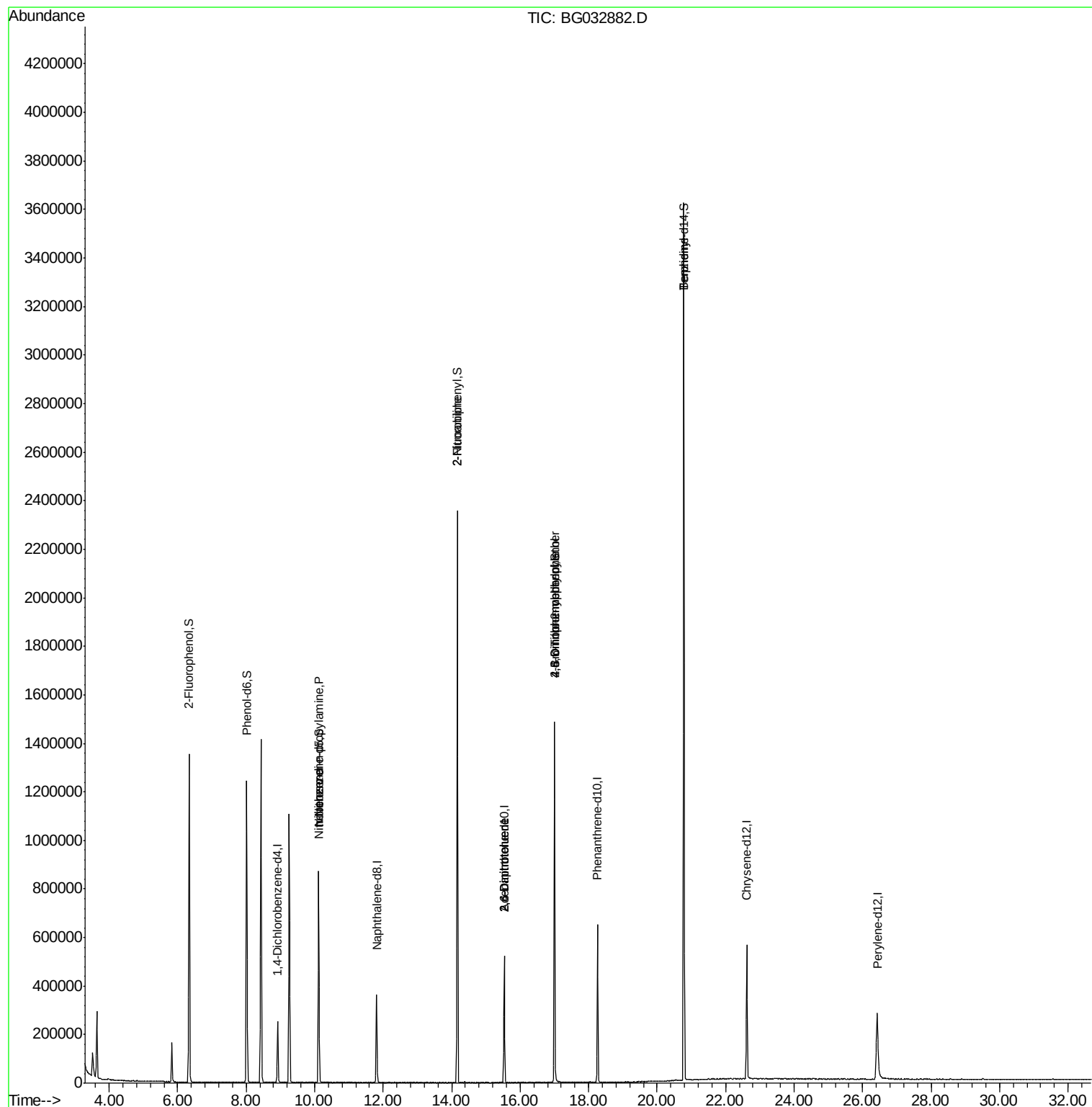
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	77496	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	332066	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	185870	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	407127	20.00	ng	0.00
75) Chrysene-d12	22.62	240	371118	20.00	ng	-0.01
86) Perylene-d12	26.43	264	367174	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	654909	135.20	ng	0.00
7) Phenol-d6	8.01	99	794708	117.70	ng	0.00
23) Nitrobenzene-d5	10.12	82	545929	110.70	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	254720	130.33	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1204319	93.45	ng	0.00
78) Terphenyl-d14	20.78	244	1620178	98.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	69967	14.679	ng	# 82
24) Nitrobenzene	10.13	77	1699	6.659	ng	# 45
47) 2-Nitroaniline	14.16	65	2082	10.377	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	24975	16.687	ng	# 21
56) 2,4-Dinitrotoluene	15.53	165	24975	14.886	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	1076	6.069	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18776	4.362	ng	# 1
76) Benzidine	20.78	184	28629	2.263	ng	# 89

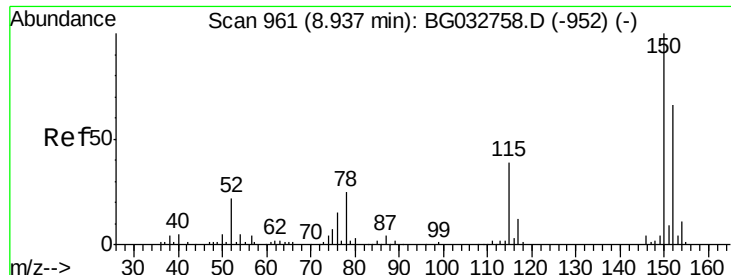
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

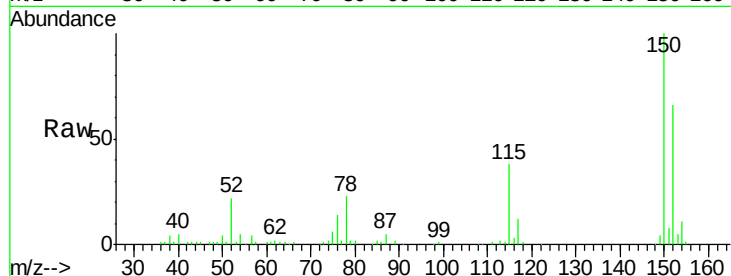
Tot Ion:152 Resp: 77496

Ion Ratio Lower Upper

152 100

150 152.0 126.6 189.8

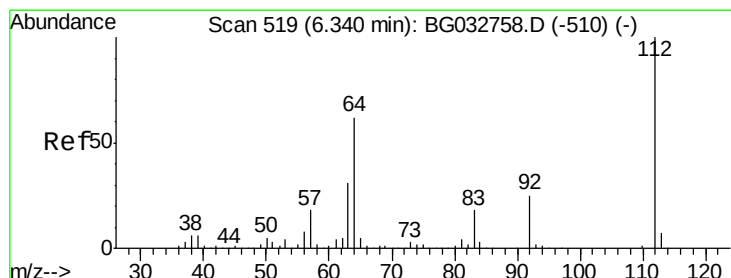
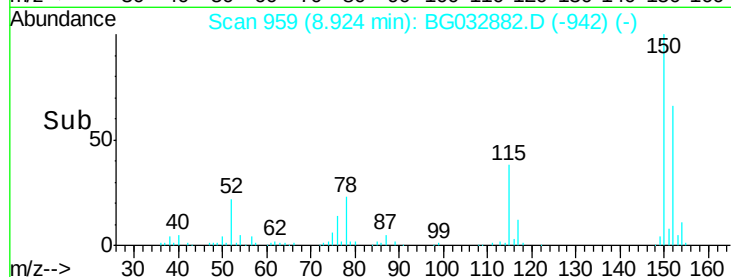
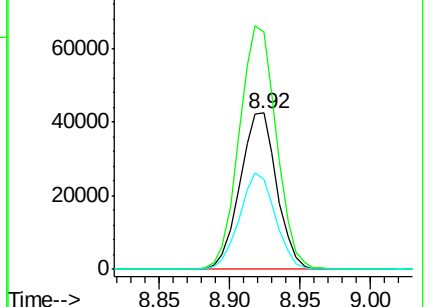
115 57.4 53.0 79.4



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



#5

2-Fluorophenol

Concen: 135.202 ng

RT: 6.33 min Scan# 518

Delta R.T. -0.00 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

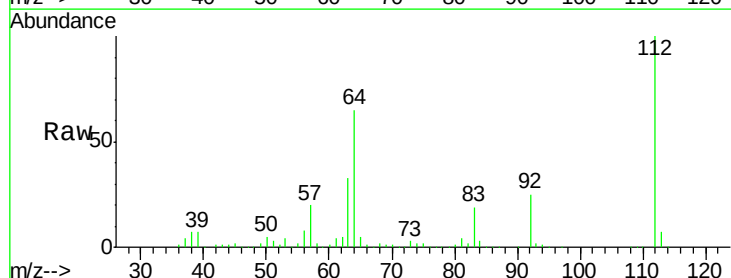
Tgt Ion:112 Resp: 654909

Ion Ratio Lower Upper

112 100

64 65.1 56.3 84.5

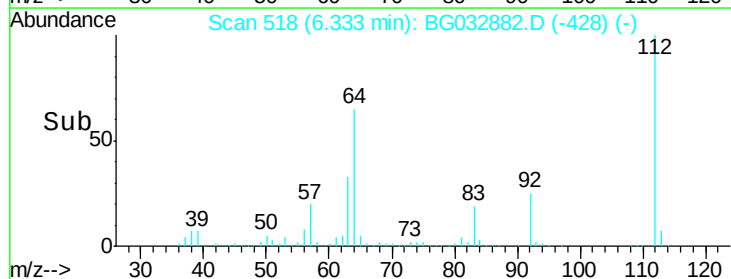
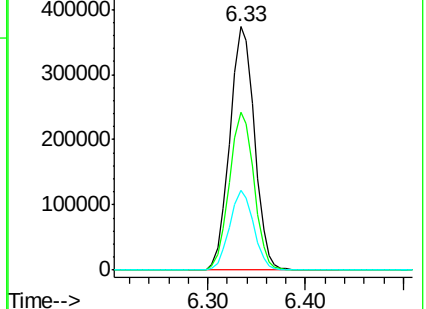
63 32.7 30.1 45.1

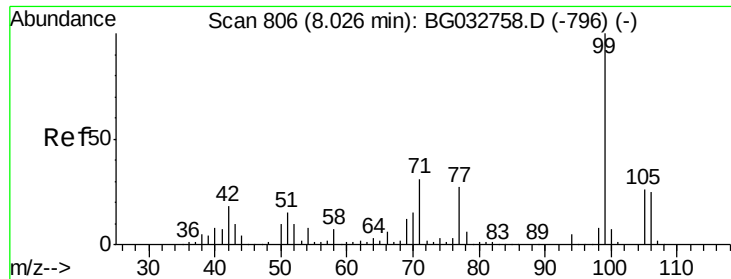


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 117.703 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampled :

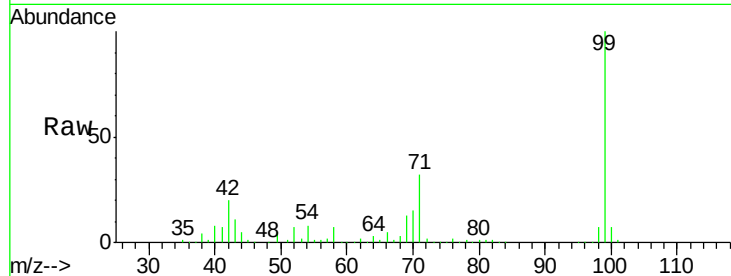
Tot Ion: 99 Resp: 794708

Ion Ratio Lower Upper

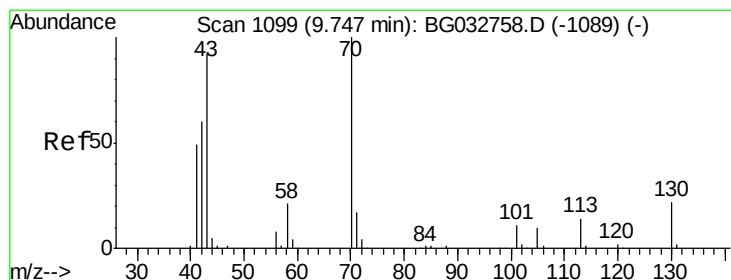
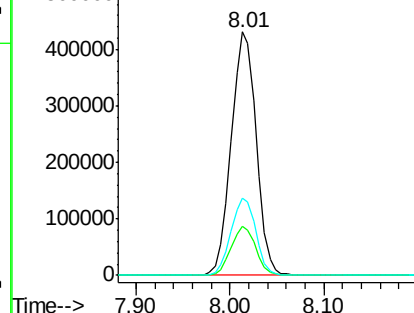
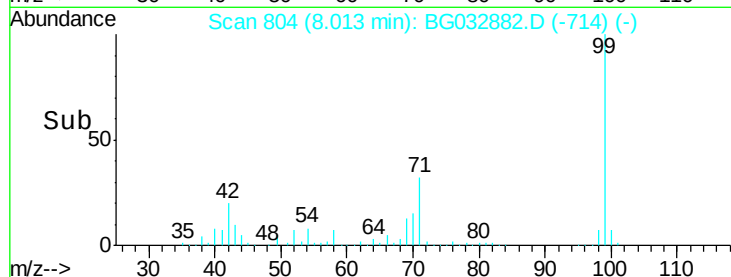
99 100

42 20.0 14.1 21.1

71 31.8 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: 14.679 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Tgt Ion: 70 Resp: 69967

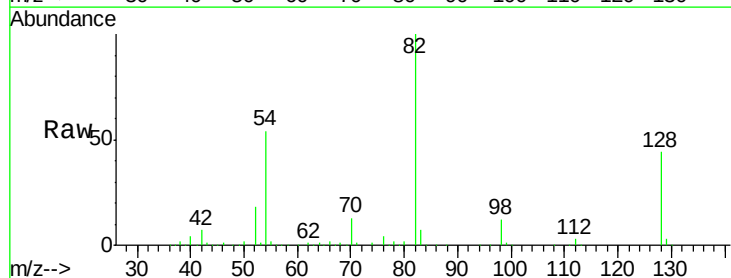
Ion Ratio Lower Upper

70 100

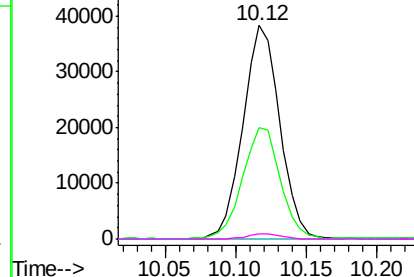
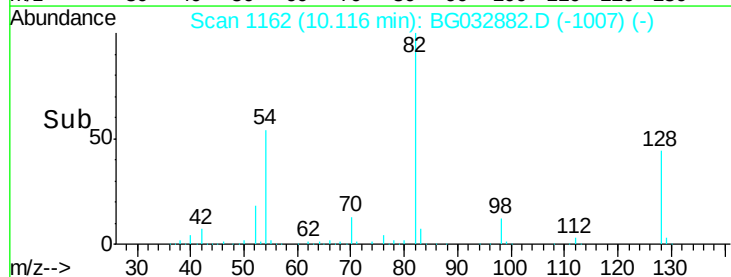
42 52.0 49.1 73.7

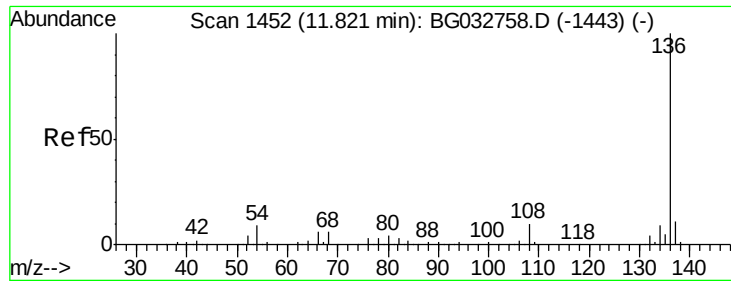
101 0.0 8.5 12.7#

130 2.2 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

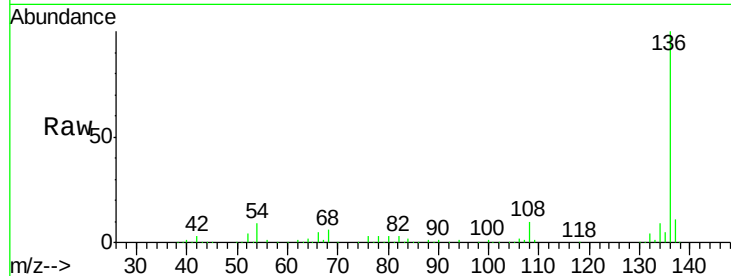




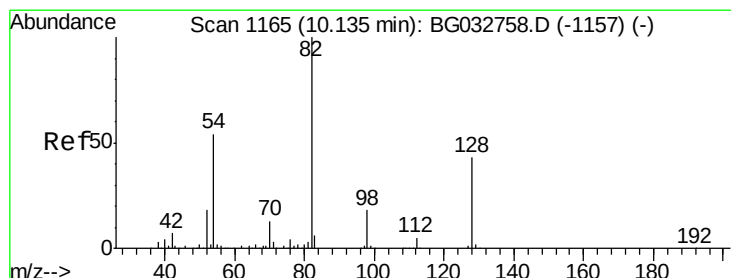
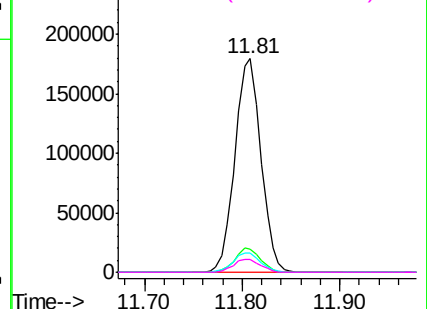
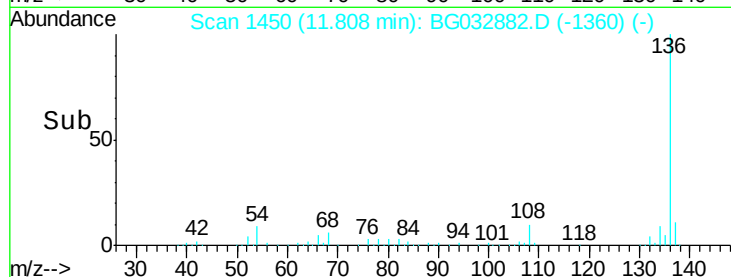
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032882.D
Acq: 28 Feb 2018 9:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	332066
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.0	10.3 15.5
68	6.2	4.5 6.7

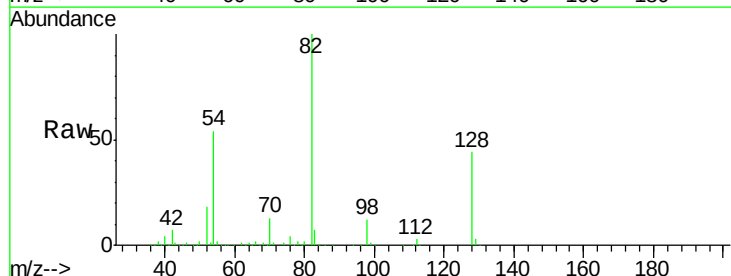


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

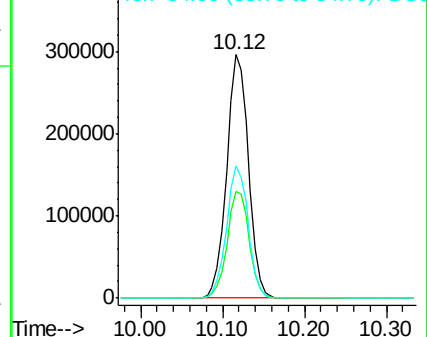
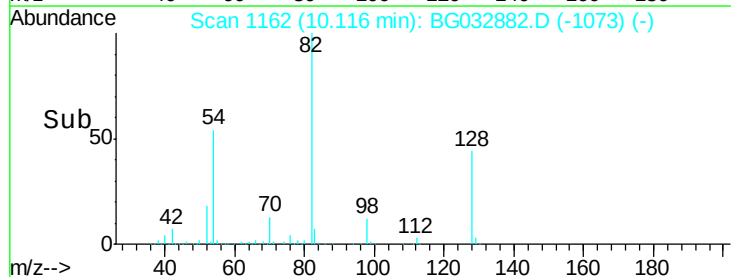


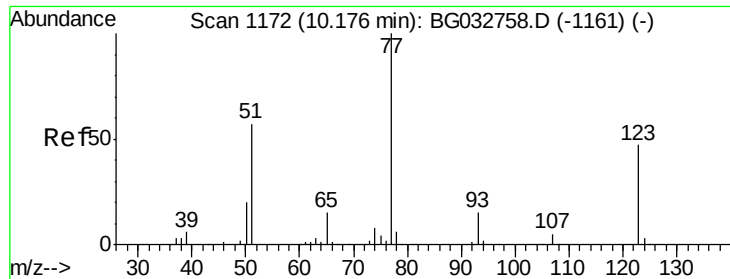
#23
Nitrobenzene-d5
Concen: 110.696 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032882.D
Acq: 28 Feb 2018 9:02

Tgt Ion: 82	Resp:	545929
Ion Ratio	Lower	Upper
82	100	
128	44.0	29.7 44.5
54	54.4	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





#24

Nitrobenzene

Concen: 6.659 ng

RT: 10.13 min Scan# 1164

Delta R.T. -0.04 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampled :

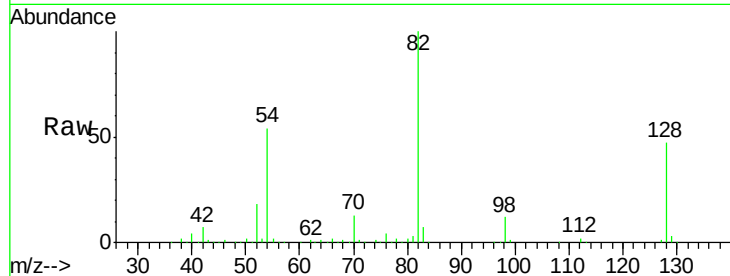
Tot Ion: 77 Resp: 1699

Ion Ratio Lower Upper

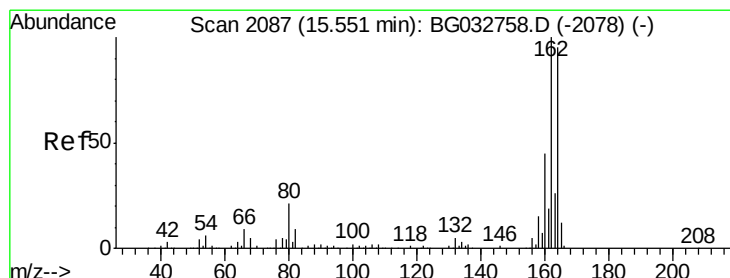
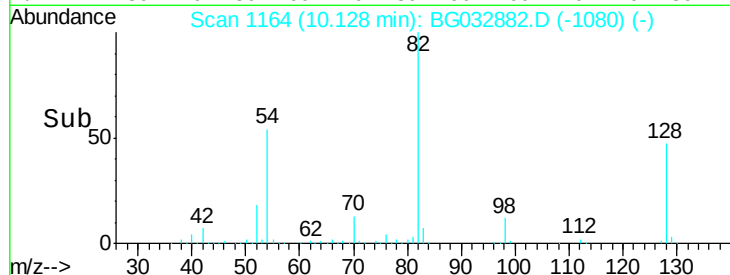
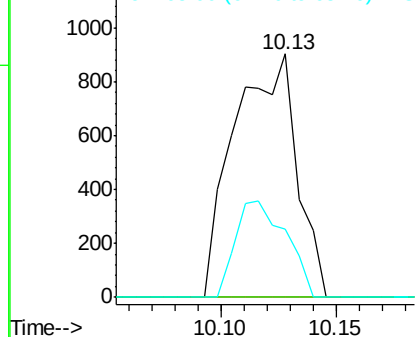
77 100

123 0.0 33.0 49.6#

65 28.0 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

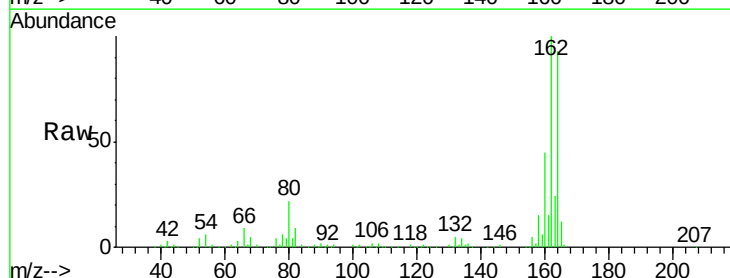
Tgt Ion:164 Resp: 185870

Ion Ratio Lower Upper

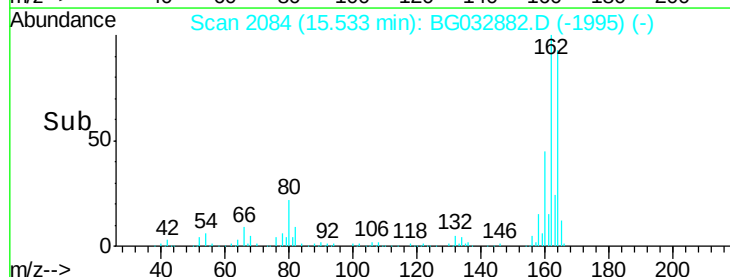
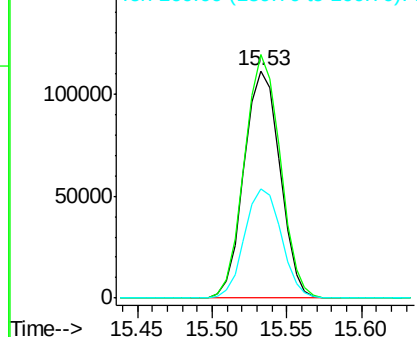
164 100

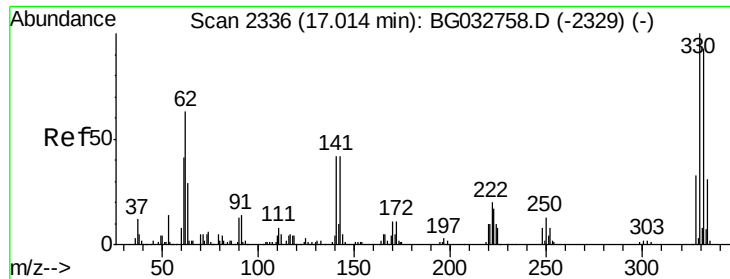
162 107.0 78.8 118.2

160 47.8 35.4 53.0



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





#41

2,4,6-Tribromophenol

Concen: 130.334 ng

RT: 17.01 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

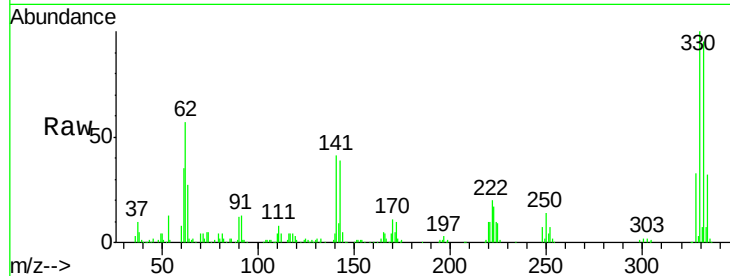
Tot Ion:330 Resp: 254720

Ion Ratio Lower Upper

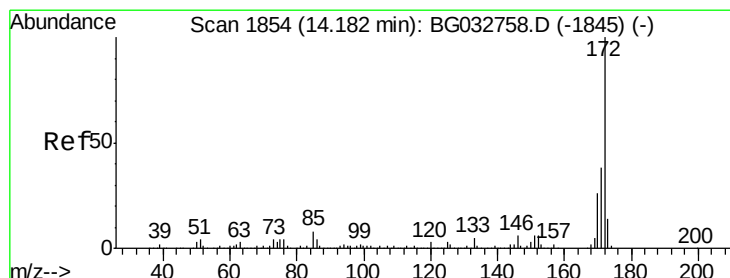
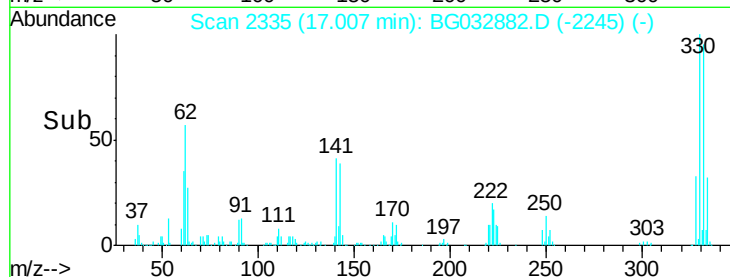
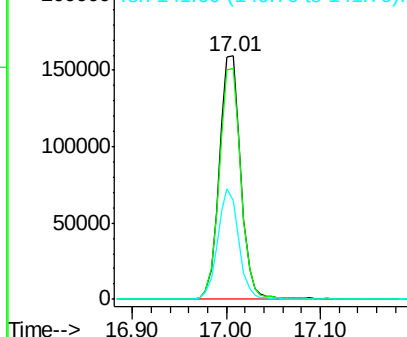
330 100

332 95.7 77.0 115.6

141 44.4 25.2 37.8#



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



#44

2-Fluorobiphenyl

Concen: 93.449 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

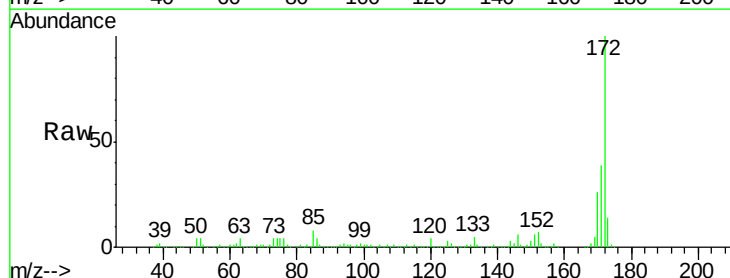
Tgt Ion:172 Resp: 1204319

Ion Ratio Lower Upper

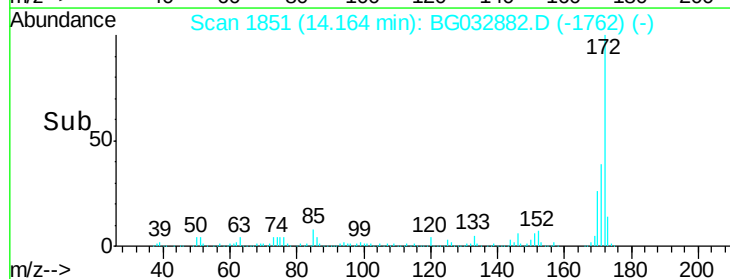
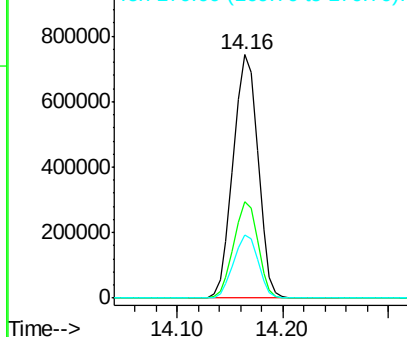
172 100

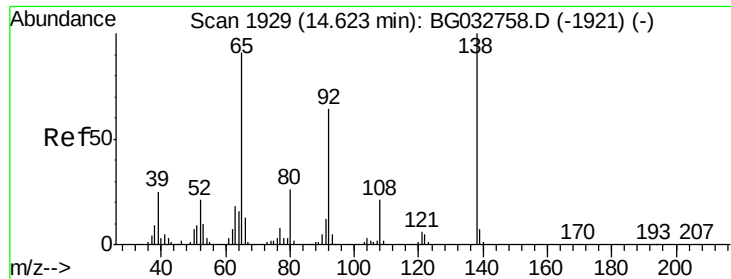
171 39.4 30.0 45.0

170 25.9 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: 10.377 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.46 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

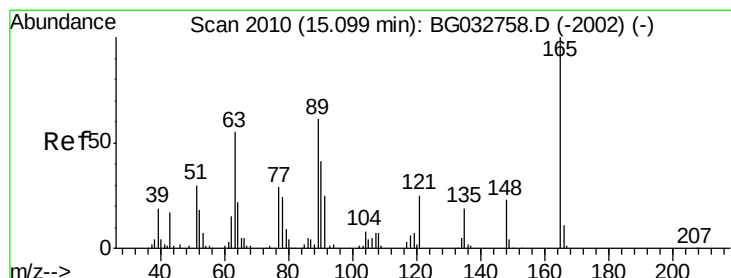
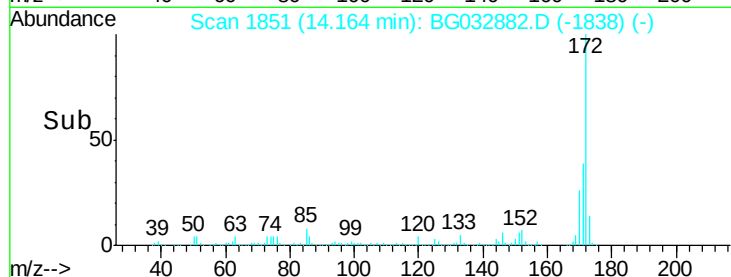
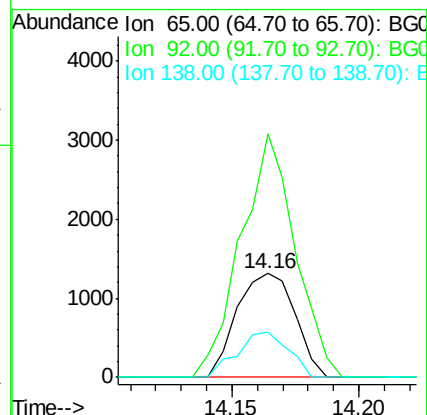
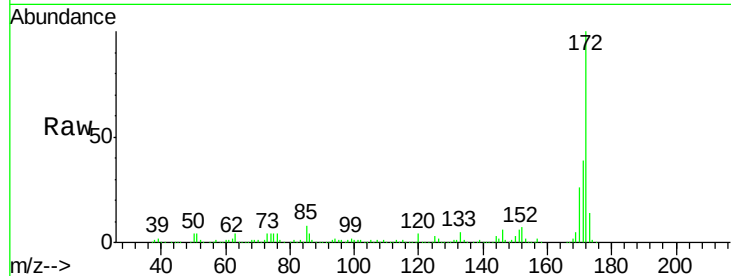
Tot Ion: 65 Resp: 2082

Ion Ratio Lower Upper

65 100

92 235.0 54.6 82.0#

138 44.0 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.687 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

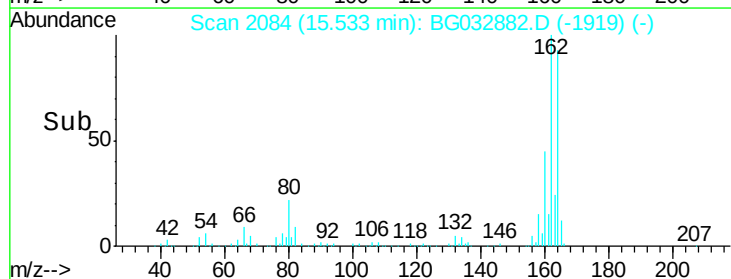
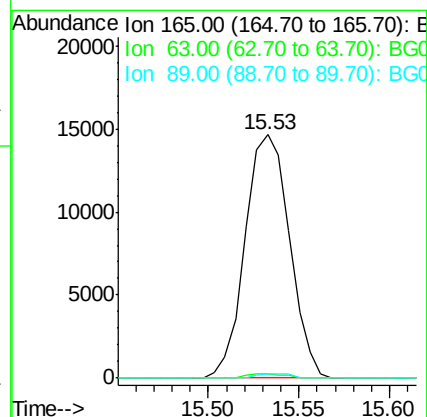
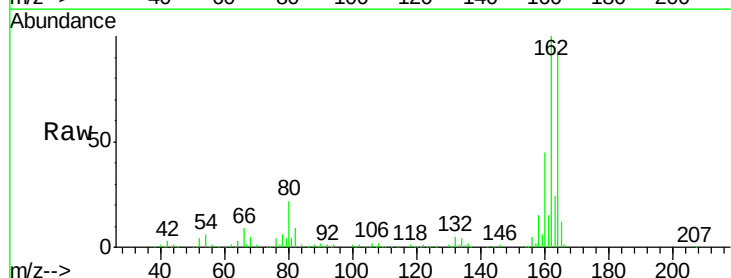
Tgt Ion: 165 Resp: 24975

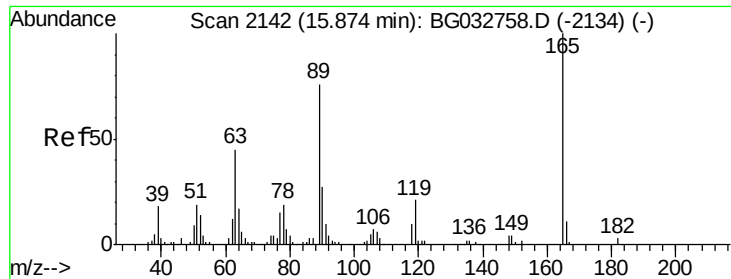
Ion Ratio Lower Upper

165 100

63 1.8 52.7 79.1#

89 1.9 49.2 73.8#

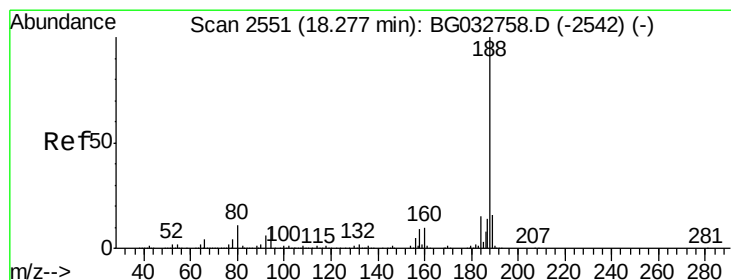
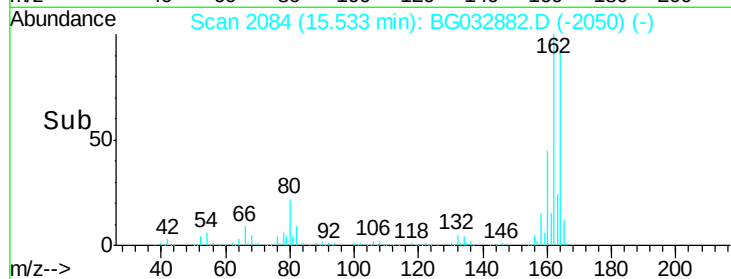
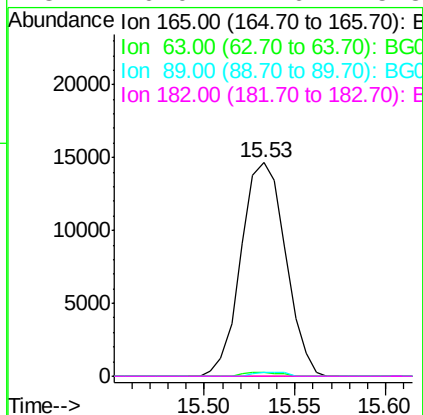
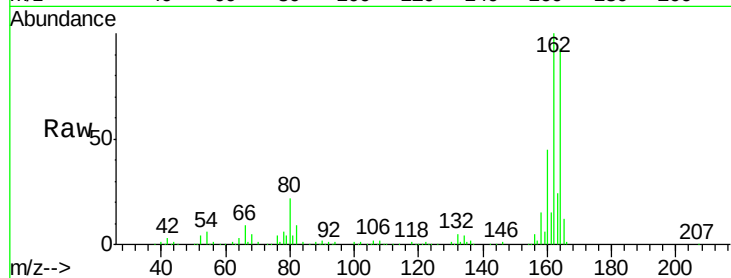




#56
 2,4-Dinitrotoluene
 Concen: 14.886 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032882.D
 Acq: 28 Feb 2018 9:02

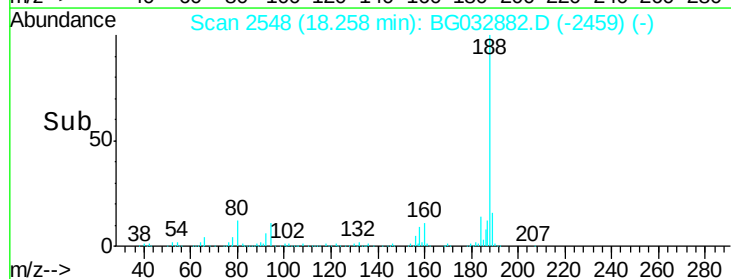
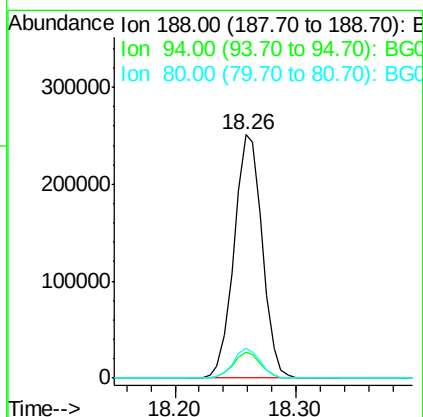
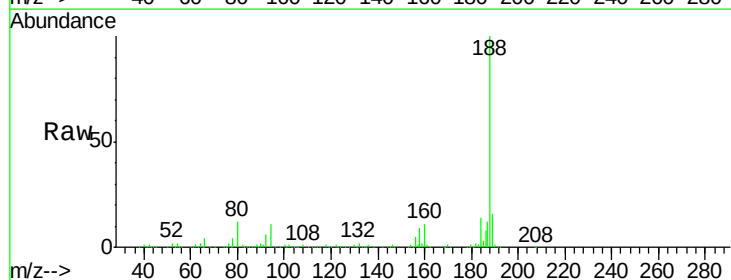
Instrument :
 BNA_G
 ClientSampleId :

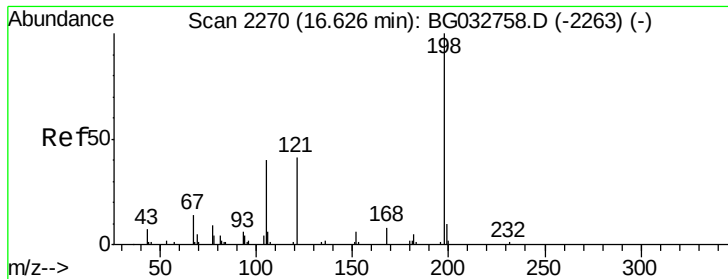
Tot Ion:165	Resp:	24975
Ion Ratio	Lower	Upper
165	100	
63	1.8	42.0 63.0#
89	1.9	66.9 100.3#
182	0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032882.D
 Acq: 28 Feb 2018 9:02

Tgt Ion:188	Resp:	407127
Ion Ratio	Lower	Upper
188	100	
94	10.9	6.9 10.3#
80	12.0	7.7 11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.069 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

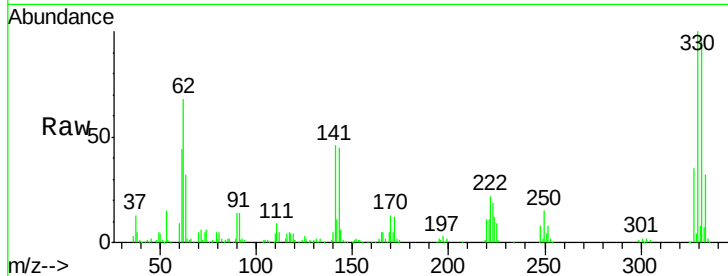
Tot Ion:198 Resp: 1076

Ion Ratio Lower Upper

198 100

51 141.7 30.6 70.6#

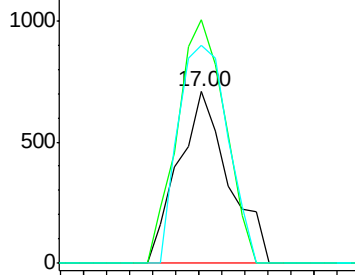
105 127.1 23.8 63.8#



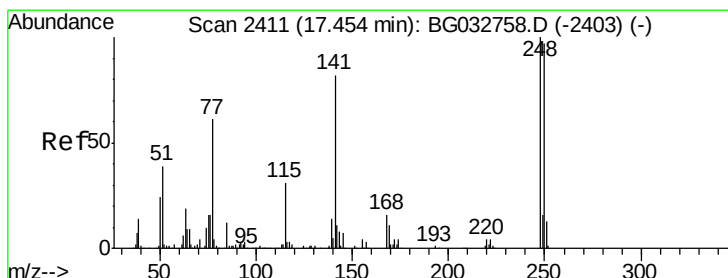
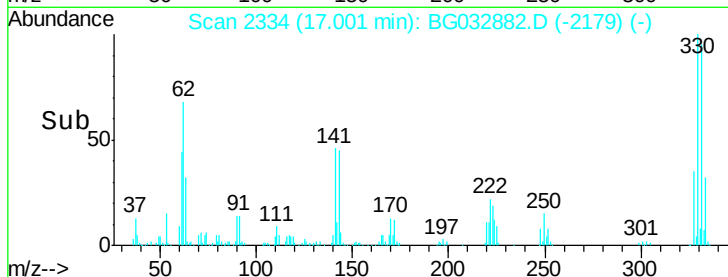
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.362 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.44 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

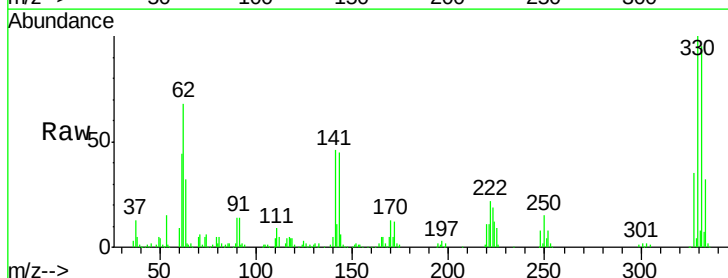
Tgt Ion:248 Resp: 18776

Ion Ratio Lower Upper

248 100

250 191.3 77.1 115.7#

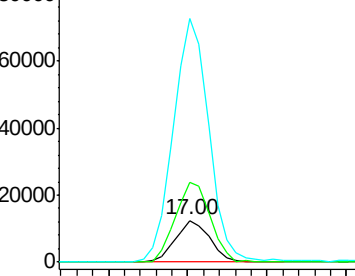
141 580.2 50.8 76.2#



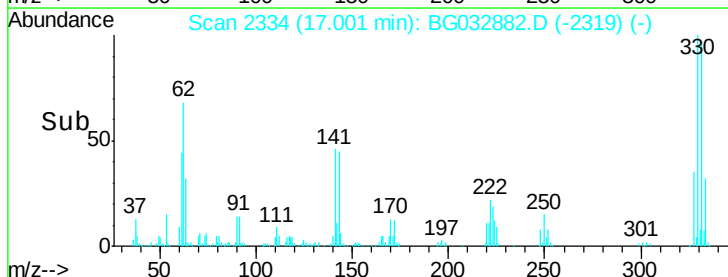
Abundance Ion 248.00 (247.70 to 248.70): E

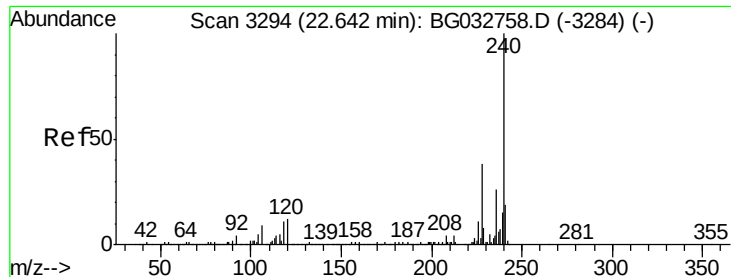
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

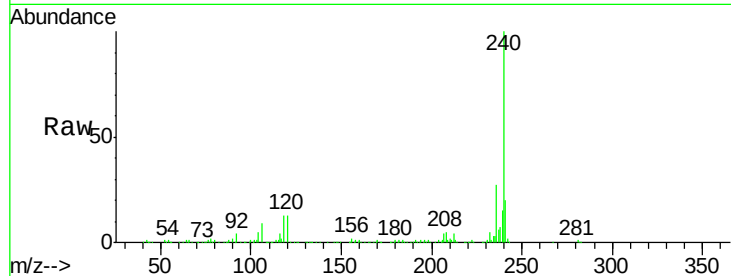
Tot Ion:240 Resp: 371118

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

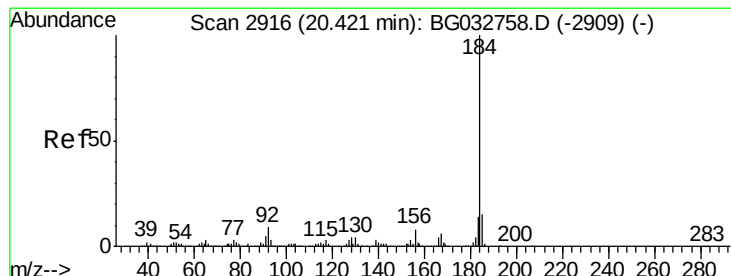
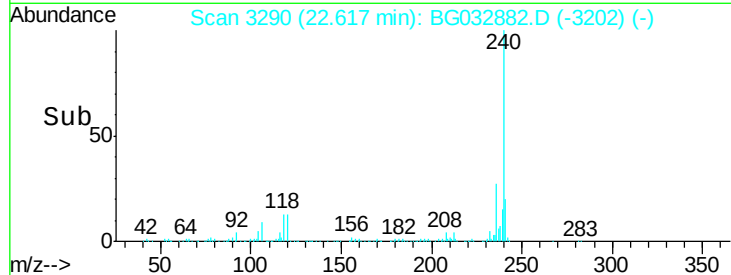
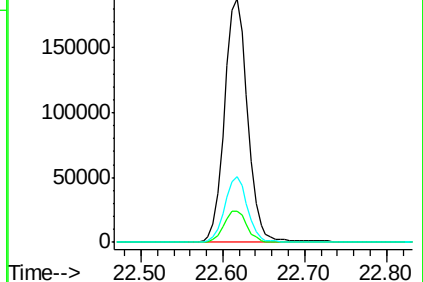
236 27.0 20.9 31.3



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: 2.263 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

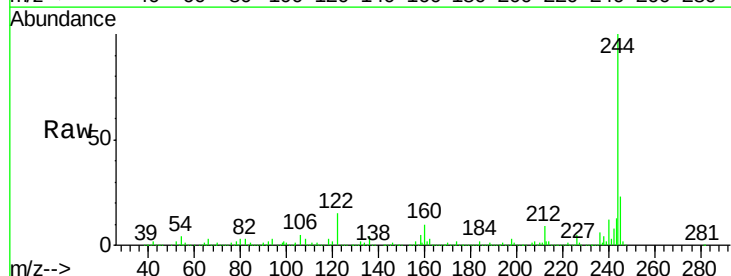
Tgt Ion:184 Resp: 28629

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

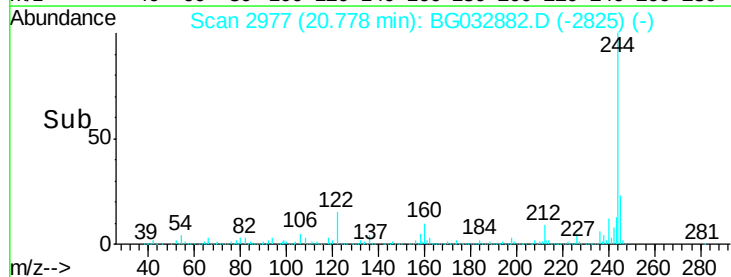
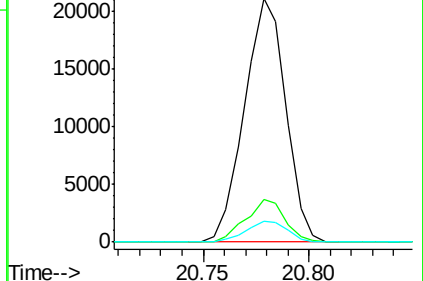
183 8.4 10.6 16.0#

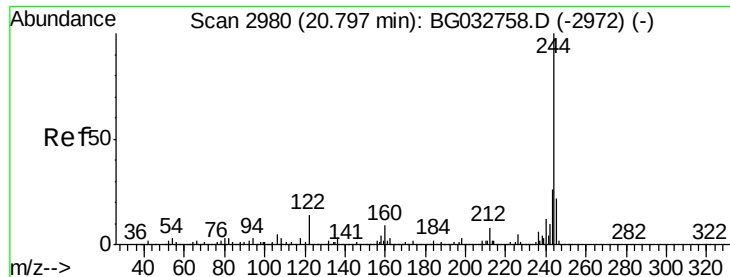


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 98.085 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

Instrument :

BNA_G

ClientSampleId :

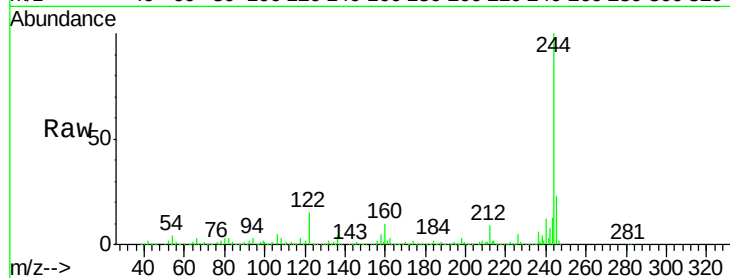
Tot Ion:244 Resp: 1620178

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

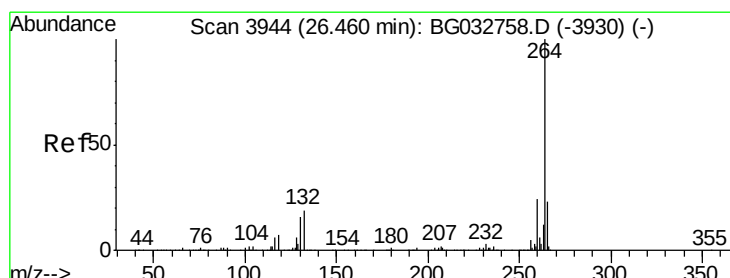
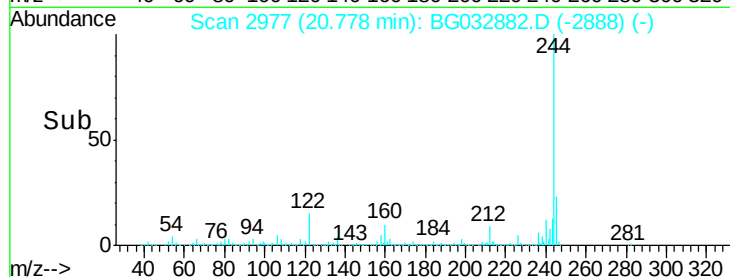
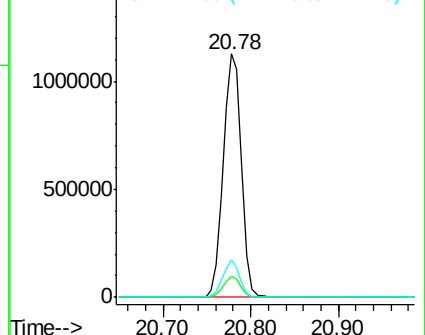
122 15.2 7.0 10.4#



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: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032882.D

Acq: 28 Feb 2018 9:02

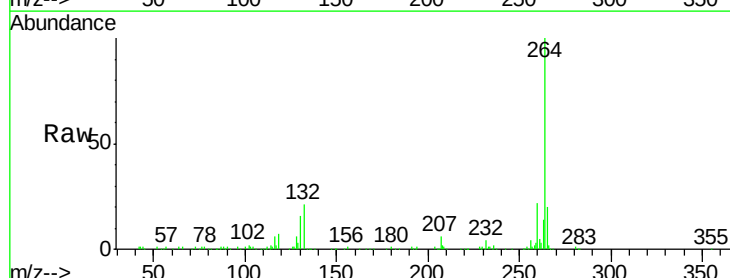
Tgt Ion:264 Resp: 367174

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 20.4 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

