

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032863.D
 Acq On : 27 Feb 2018 20:26
 Operator : SJ/JU
 Sample : J1680-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:39:55 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	72123	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	315808	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	183826	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	424790	20.00	ng	0.00
75) Chrysene-d12	22.61	240	402008	20.00	ng	-0.02
86) Perylene-d12	26.43	264	412316	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	233671	51.83	ng	0.00
7) Phenol-d6	8.01	99	186092	29.62	ng	0.00
23) Nitrobenzene-d5	10.12	82	646004	135.31	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	253002	130.89	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1440064	112.98	ng	0.00
78) Terphenyl-d14	20.78	244	1895766	105.95	ng	0.00

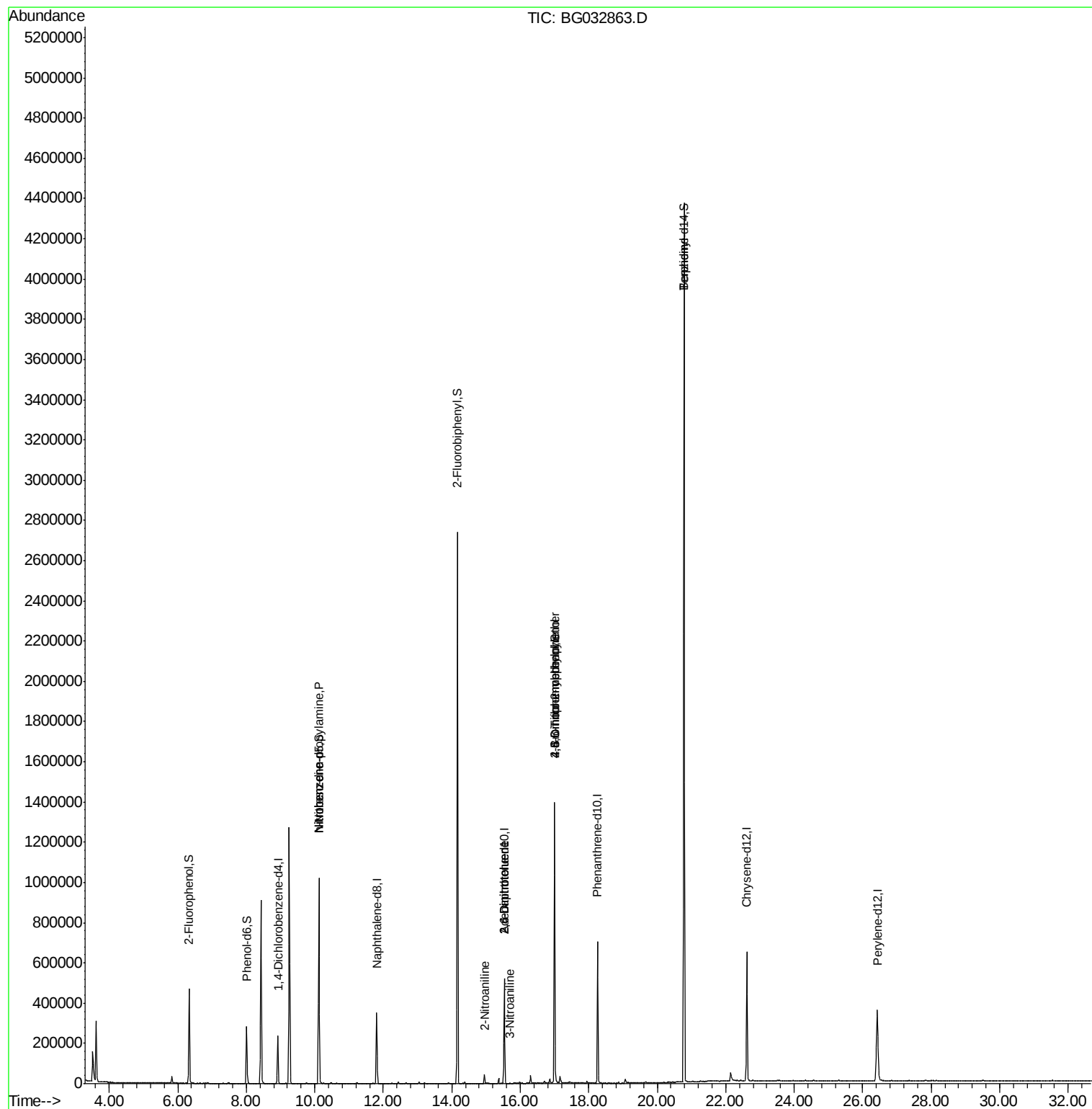
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	84585	19.07	ng	# 80
24) Nitrobenzene	10.13	77	1999	6.72	ng	# 45
47) 2-Nitroaniline	14.95	65	157	9.88	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	23775	16.39	ng	# 21
52) 3-Nitroaniline	15.70	138	68	7.56	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23775	14.59	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	716	5.67	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19100	4.25	ng	# 1
76) Benzidine	20.78	184	33710	2.46	ng	# 91

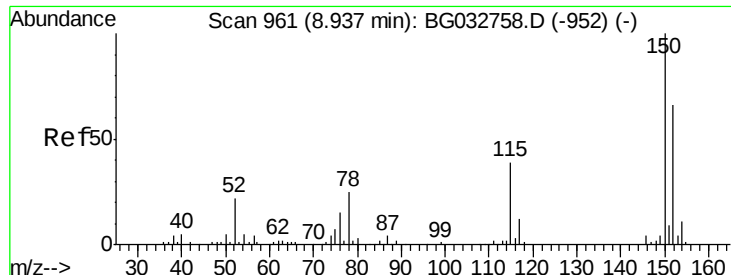
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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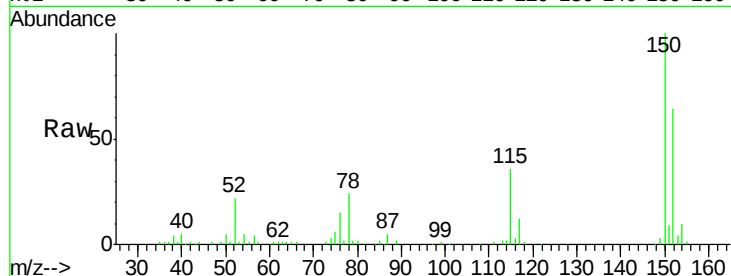


#1

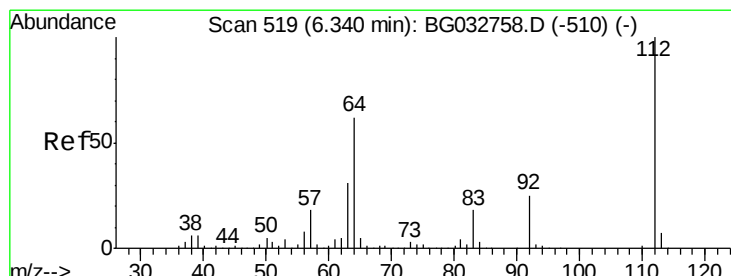
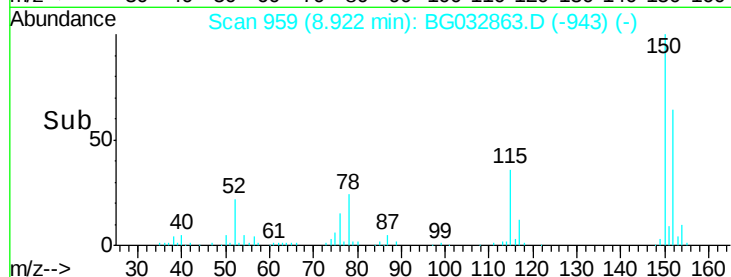
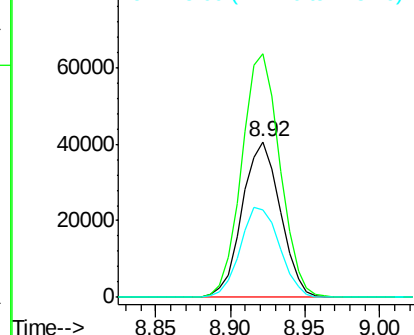
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72123
Ion Ratio Lower Upper
152 100
150 156.6 126.6 189.8
115 56.5 53.0 79.4



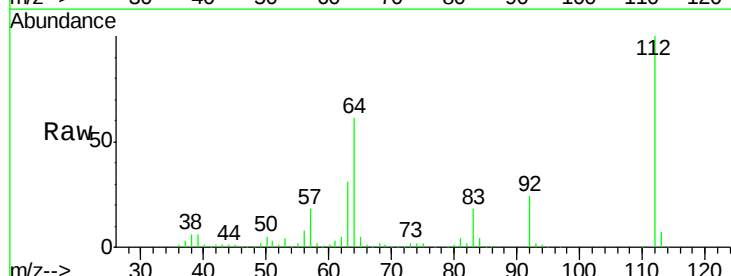
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



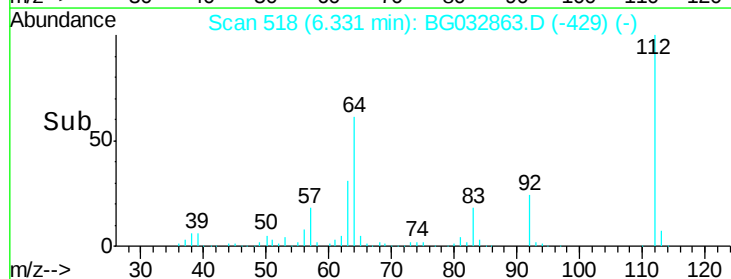
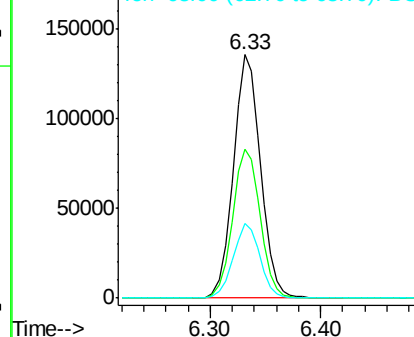
#5

2-Fluorophenol
Concen: 51.83 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Tgt Ion:112 Resp: 233671
Ion Ratio Lower Upper
112 100
64 61.0 56.3 84.5
63 30.7 30.1 45.1



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: 29.62 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Instrument :

BNA_G

ClientSampled :

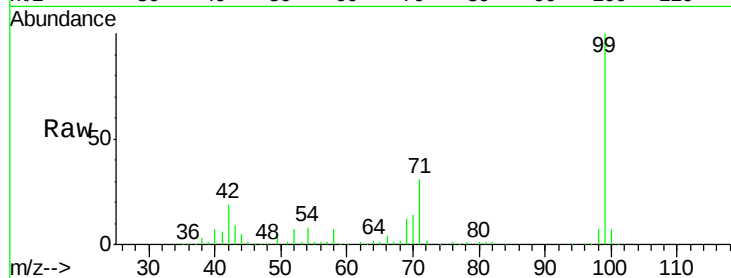
Tot Ion: 99 Resp: 186092

Ion Ratio Lower Upper

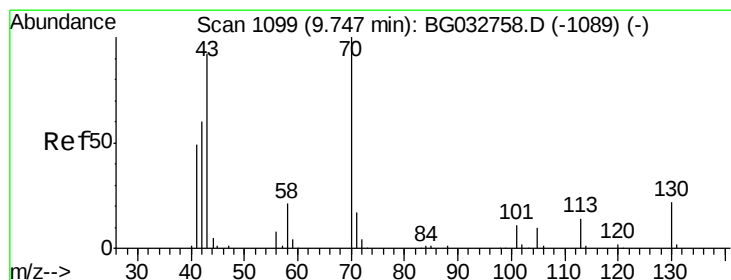
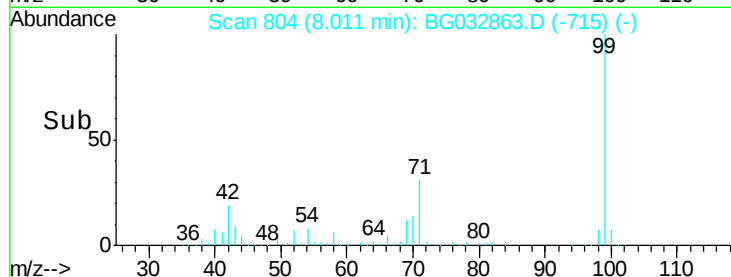
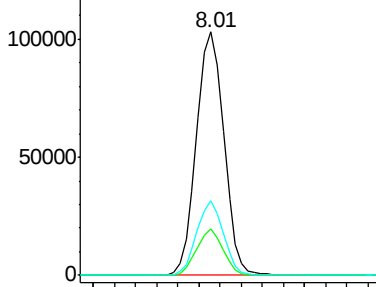
99 100

42 19.1 14.1 21.1

71 30.6 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: 19.07 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Tgt Ion: 70 Resp: 84585

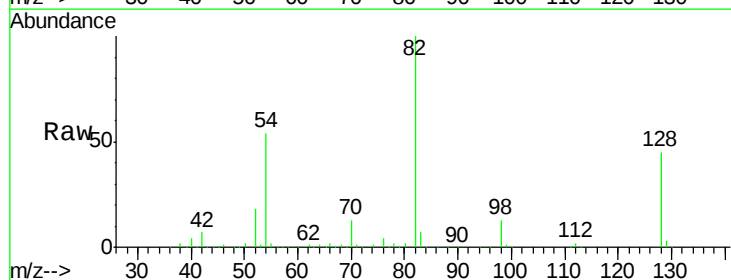
Ion Ratio Lower Upper

70 100

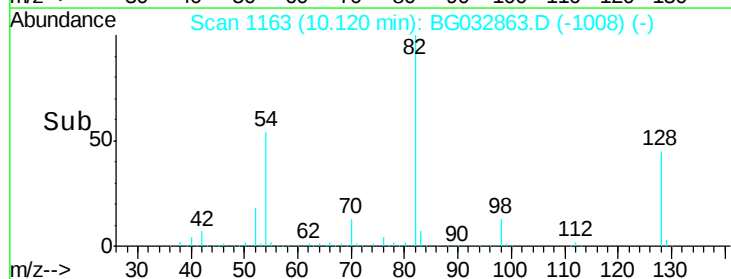
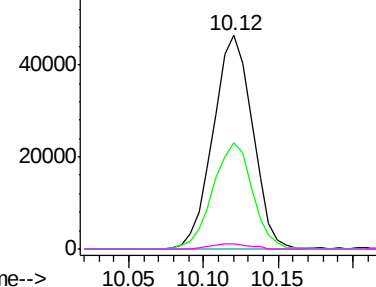
42 49.9 49.1 73.7

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

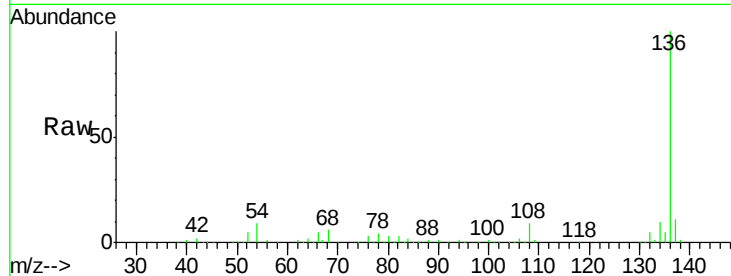




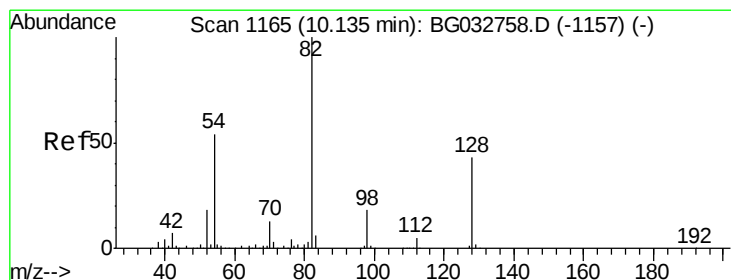
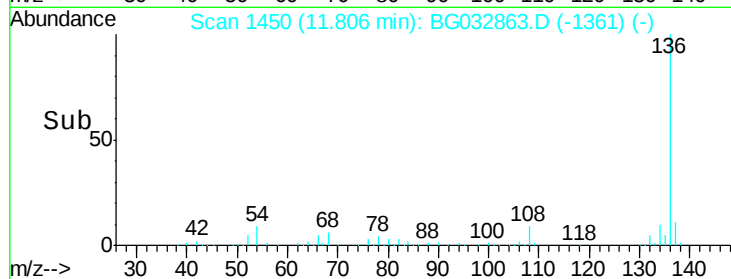
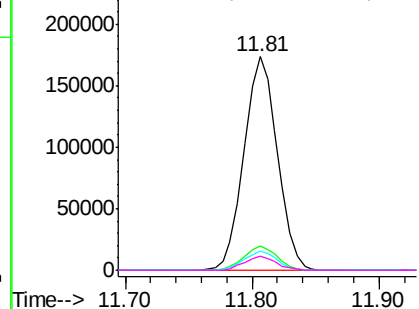
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	315808
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	9.1	10.3 15.5#
68	6.4	4.5 6.7

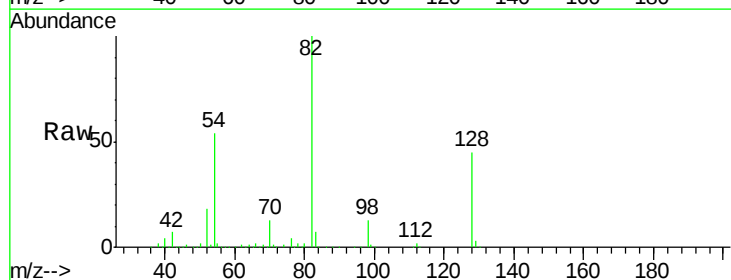


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

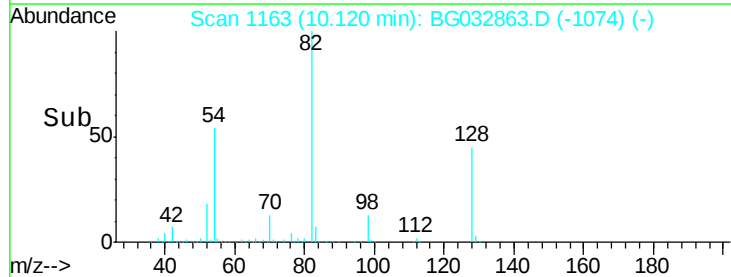
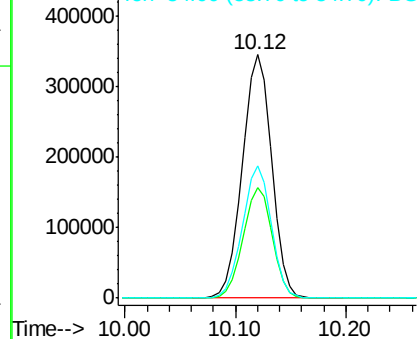


#23
Nitrobenzene-d5
Concen: 135.31 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Tgt Ion: 82	Resp:	646004
Ion Ratio	Lower	Upper
82	100	
128	45.5	29.7 44.5#
54	54.3	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

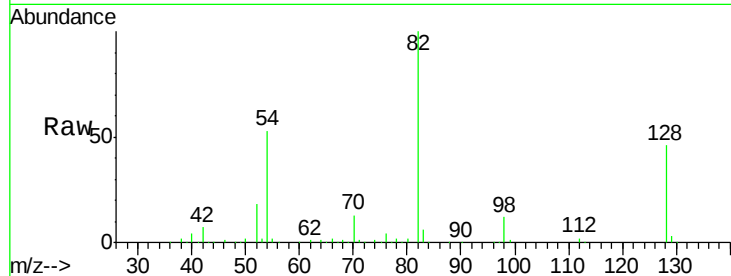




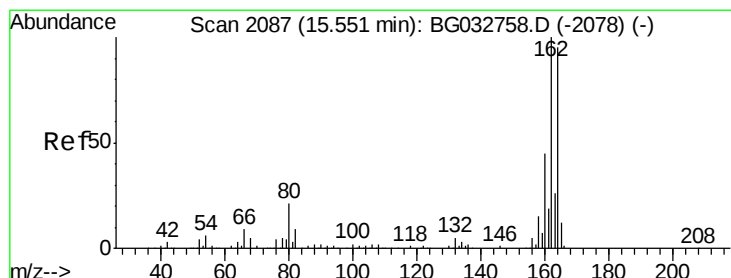
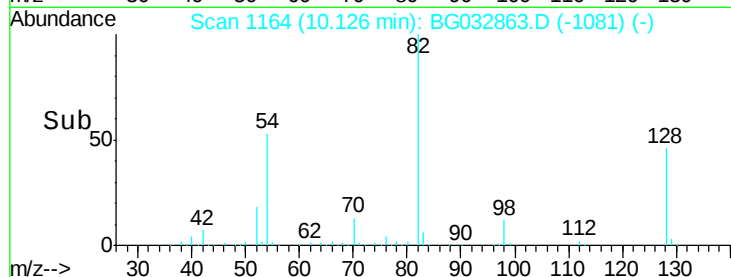
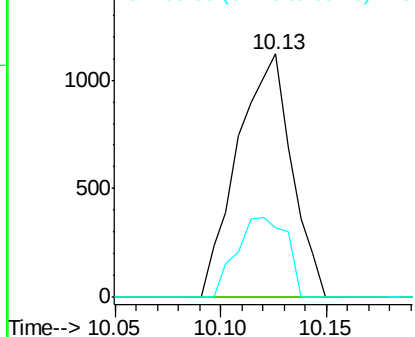
#24
Nitrobenzene
Concen: 6.72 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
123	0.0	33.0	49.6#	
65	28.5	13.0	19.6#	

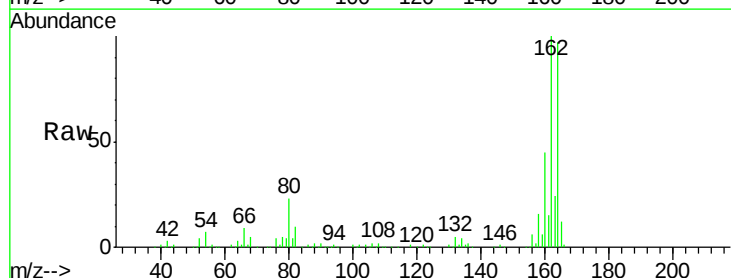


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

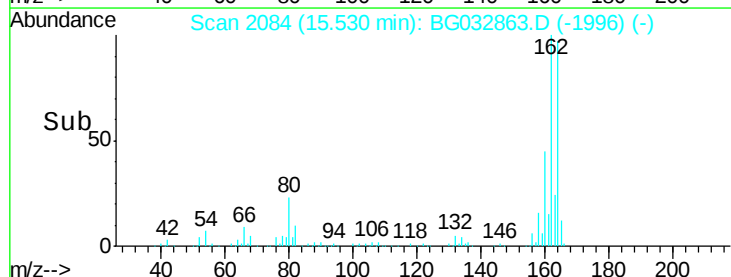
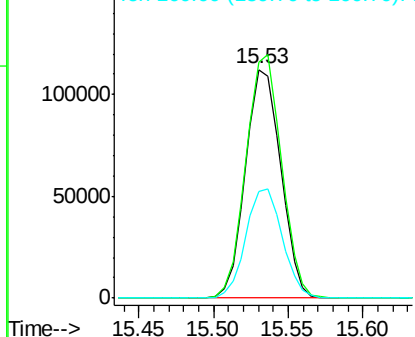


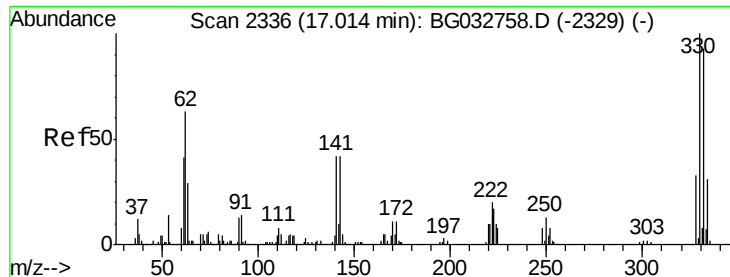
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	103.0	78.8	118.2	
160	46.5	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

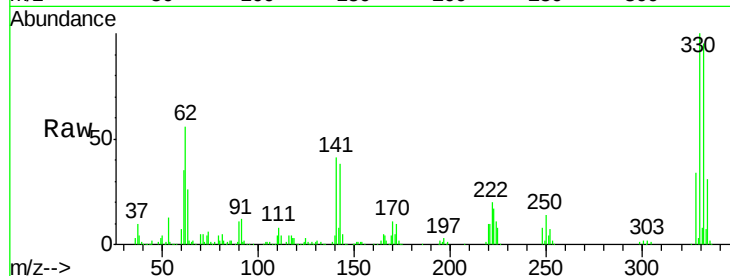




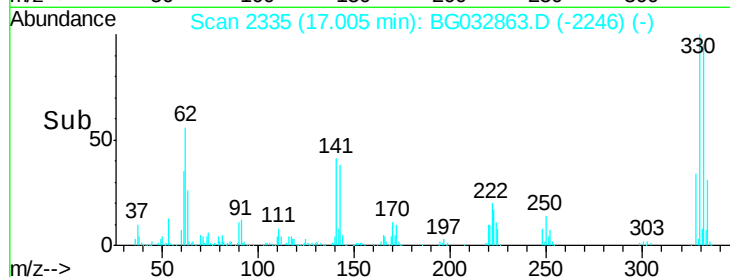
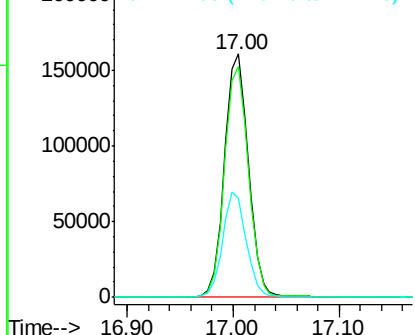
#41
 2,4,6-Tribromophenol
 Concen: 130.89 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032863.D
 Acq: 27 Feb 2018 20:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 253002
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 42.7 25.2 37.8#

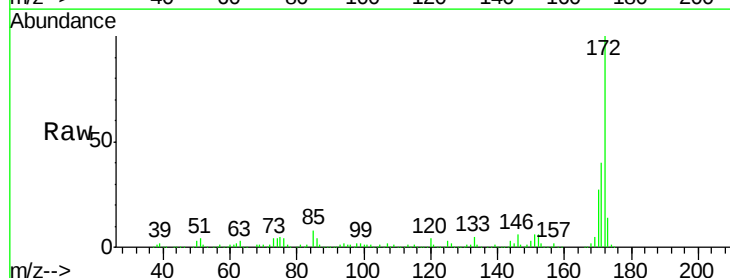


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

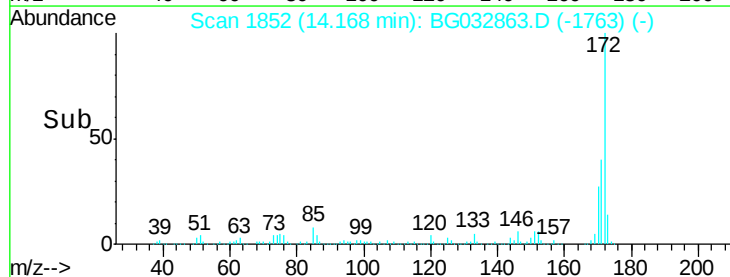
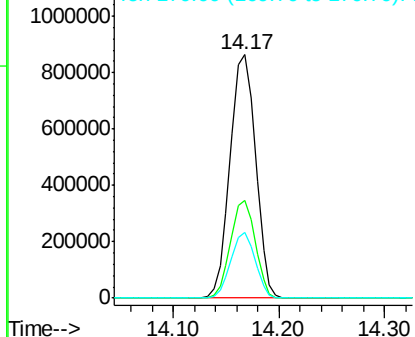


#44
 2-Fluorobiphenyl
 Concen: 112.98 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032863.D
 Acq: 27 Feb 2018 20:26

Tgt Ion:172 Resp: 1440064
 Ion Ratio Lower Upper
 172 100
 171 40.3 30.0 45.0
 170 27.0 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





#47

2-Nitroaniline

Concen: 9.88 ng

RT: 14.95 min Scan# 1985

Delta R.T. 0.33 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Instrument :

BNA_G

ClientSampleId :

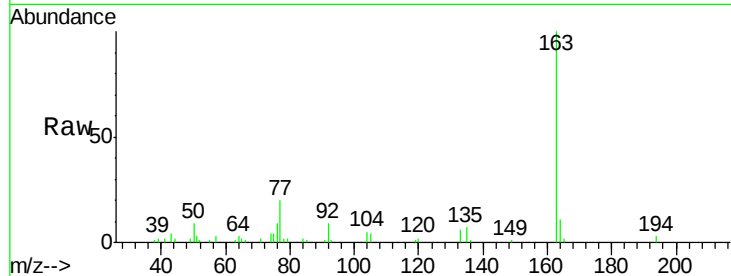
Tot Ion: 65 Resp: 157

Ion Ratio Lower Upper

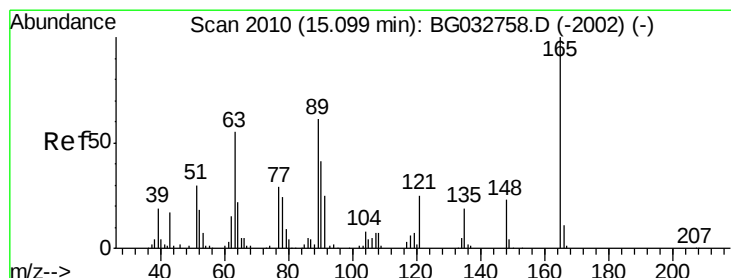
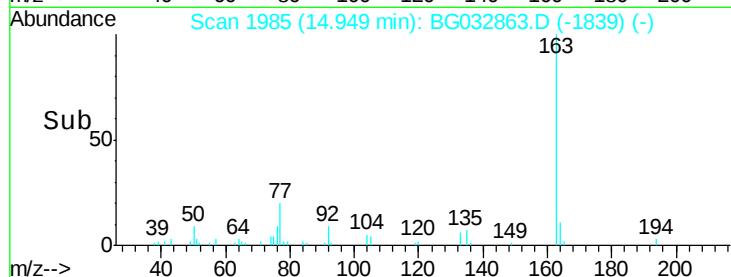
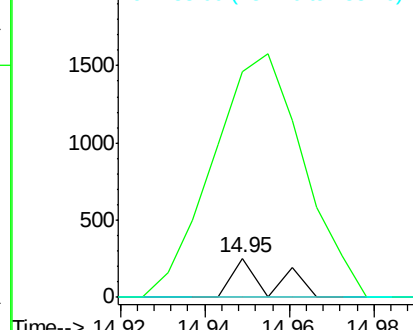
65 100

92 577.2 54.6 82.0#

138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 16.39 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

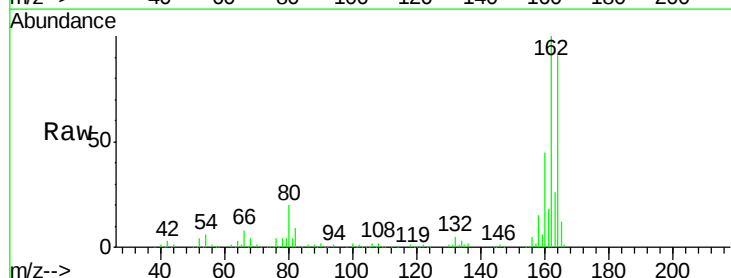
Tgt Ion: 165 Resp: 23775

Ion Ratio Lower Upper

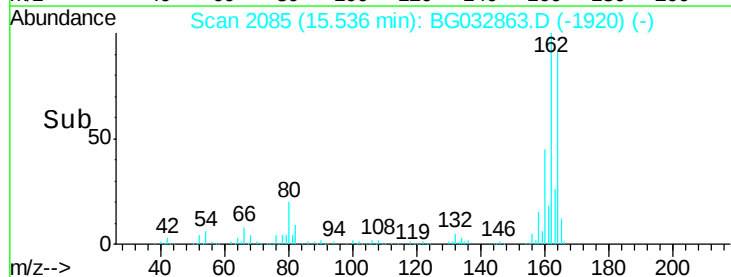
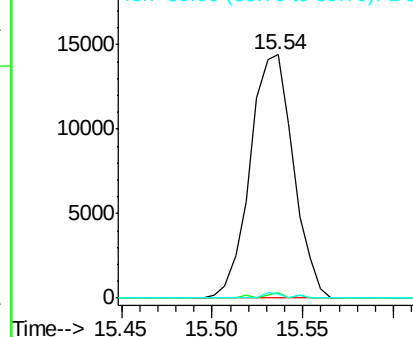
165 100

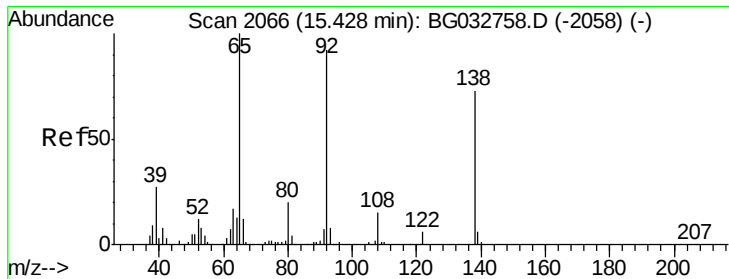
63 2.5 52.7 79.1#

89 2.0 49.2 73.8#



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





#52

3-Nitroaniline

Concen: 7.56 ng

RT: 15.70 min Scan# 2113

Delta R.T. 0.28 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Instrument :

BNA_G

ClientSampleId :

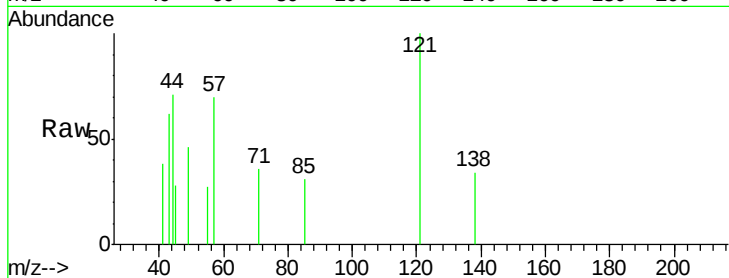
Tot Ion:138 Resp: 68

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

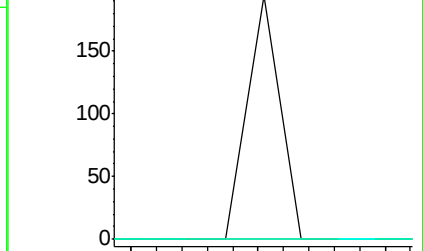
92 0.0 105.8 158.8#



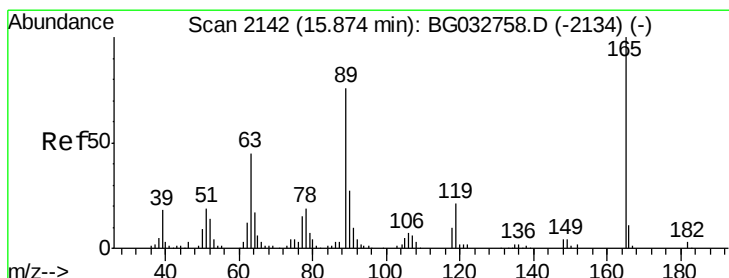
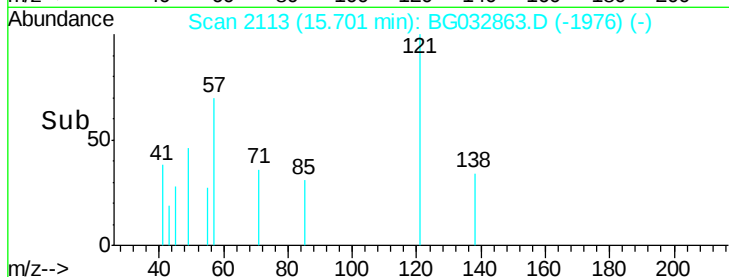
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



Time-->



#56

2,4-Dinitrotoluene

Concen: 14.59 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.33 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Tgt Ion:165 Resp: 23775

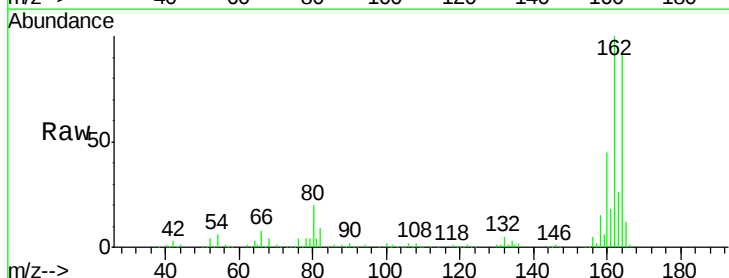
Ion Ratio Lower Upper

165 100

63 2.5 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#

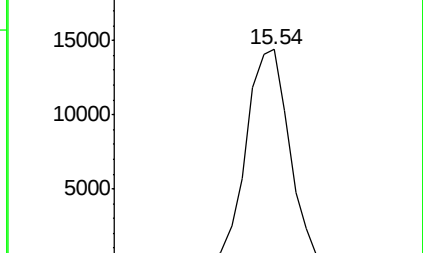


Abundance Ion 165.00 (164.70 to 165.70): E

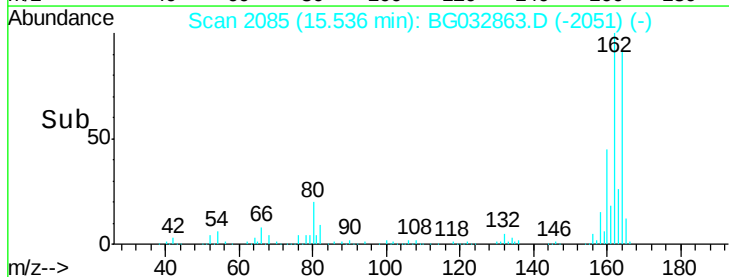
Ion 63.00 (62.70 to 63.70): BGC

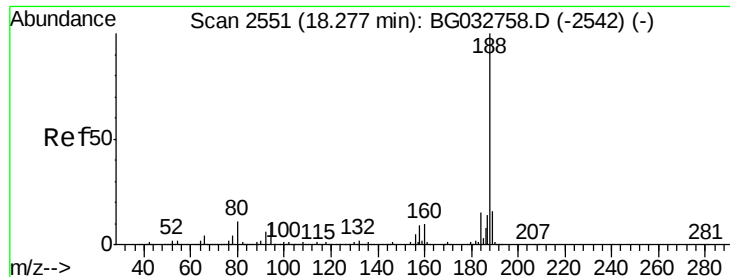
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time-->





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Instrument :

BNA_G

ClientSampleId :

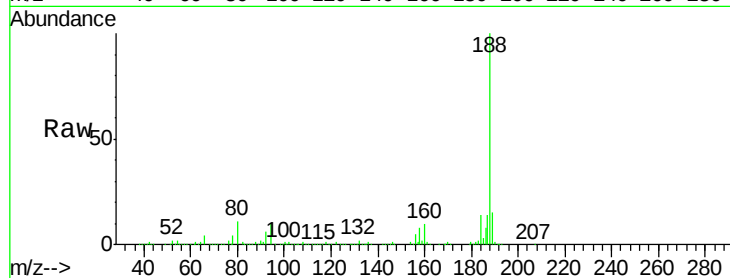
Tot Ion:188 Resp: 424790

Ion Ratio Lower Upper

188 100

94 9.8 6.9 10.3

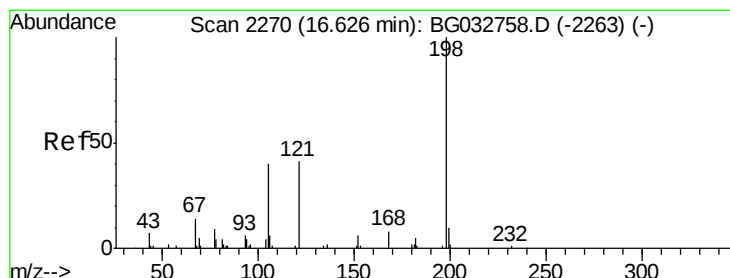
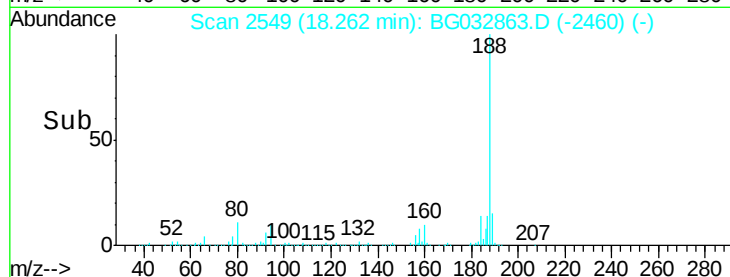
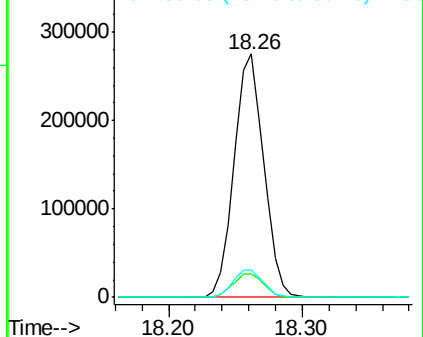
80 11.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.67 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

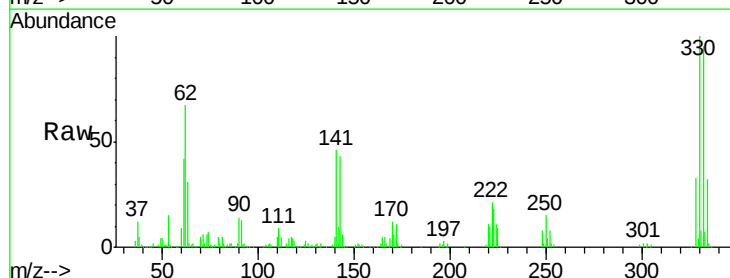
Tgt Ion:198 Resp: 716

Ion Ratio Lower Upper

198 100

51 130.0 30.6 70.6#

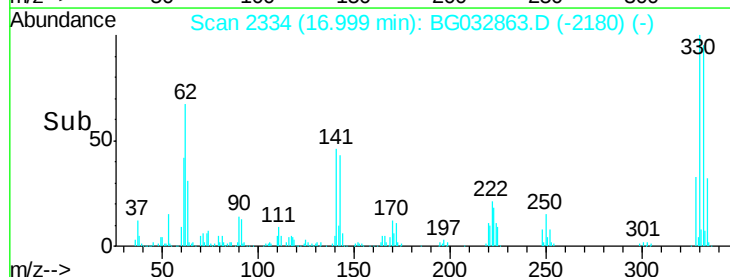
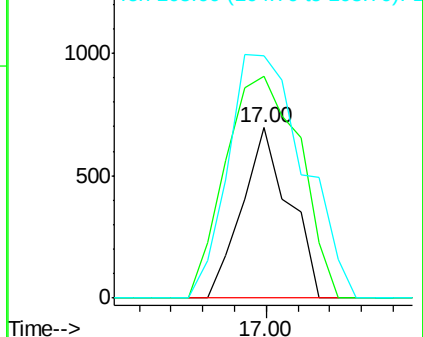
105 142.4 23.8 63.8#

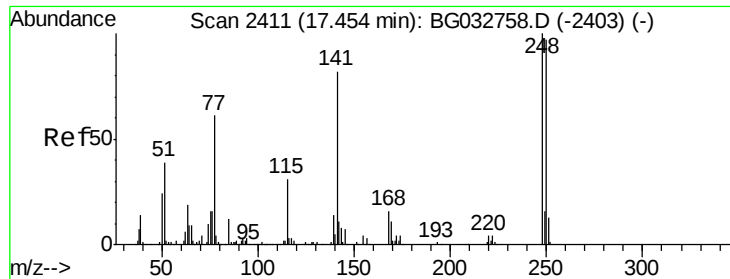


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

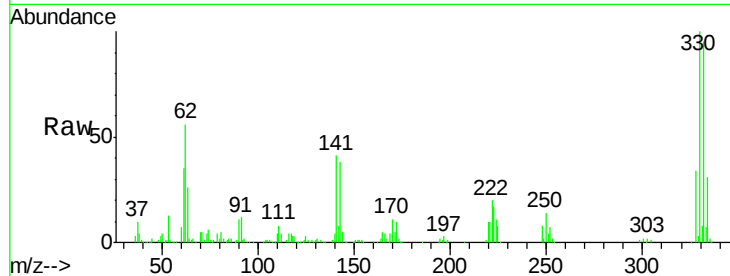




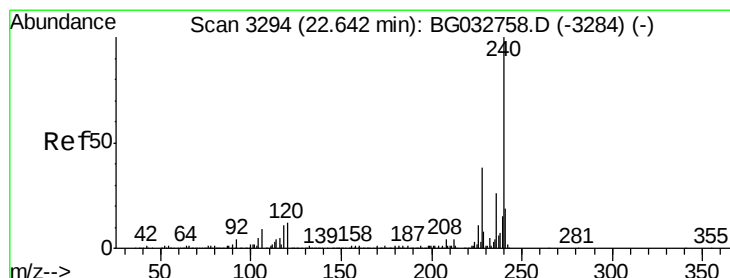
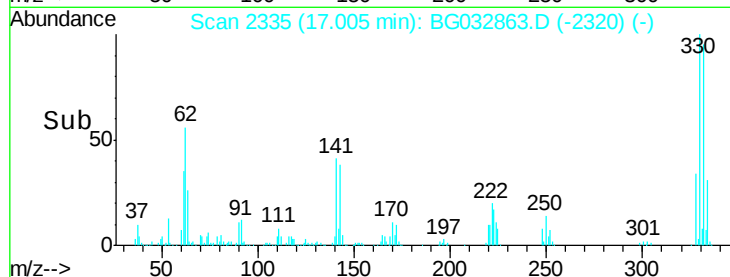
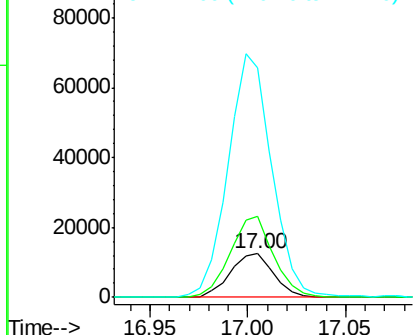
#66
 4-Bromophenyl-phenylether
 Concen: 4.25 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032863.D
 Acq: 27 Feb 2018 20:26

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 19100
 Ion Ratio Lower Upper
 248 100
 250 187.7 77.1 115.7#
 141 528.4 50.8 76.2#

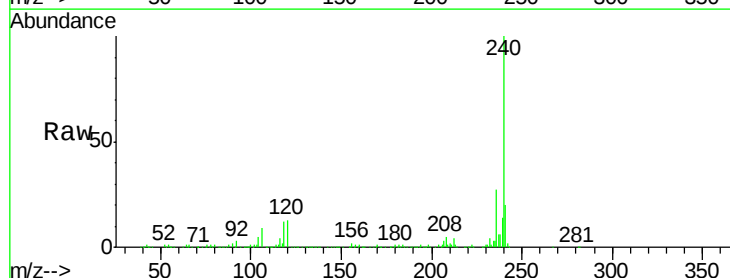


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

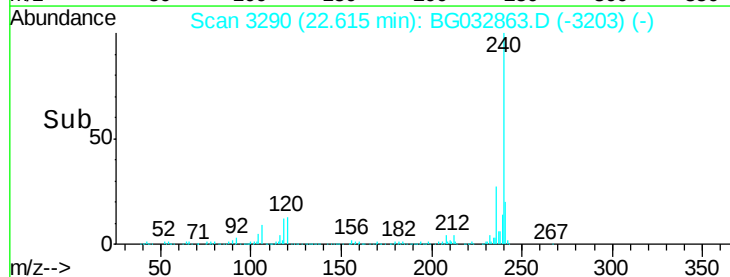
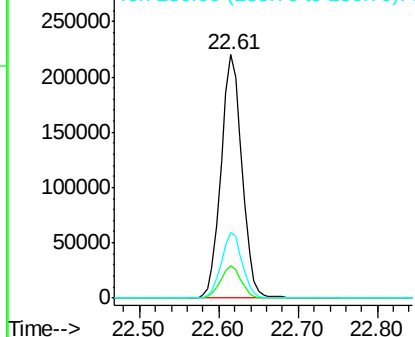


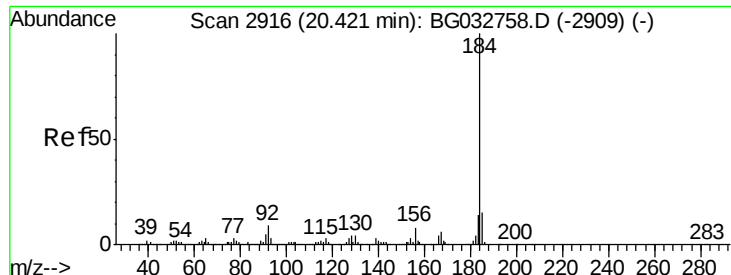
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032863.D
 Acq: 27 Feb 2018 20:26

Tgt Ion:240 Resp: 402008
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.8 10.2#
 236 27.1 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

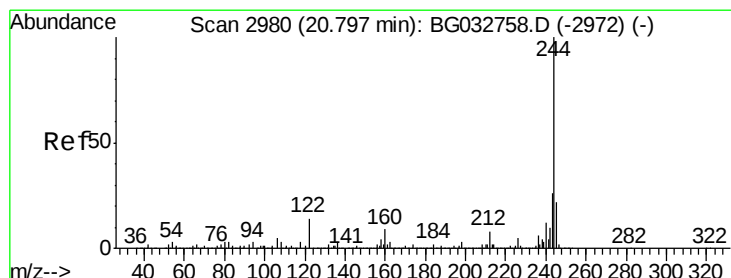
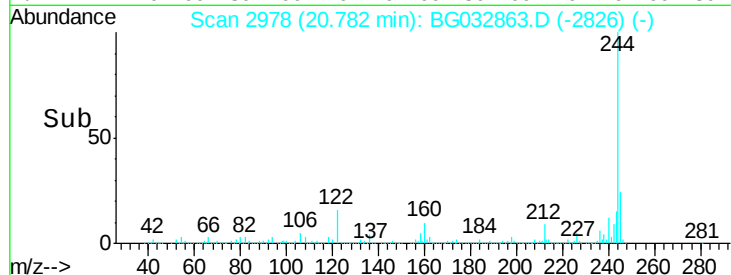
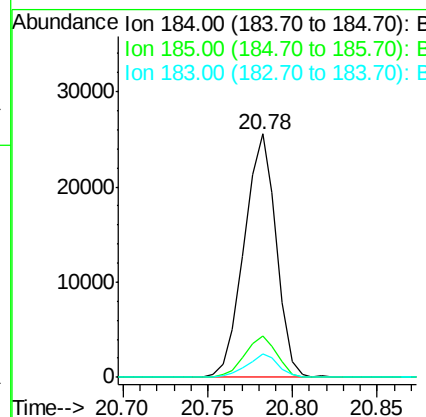
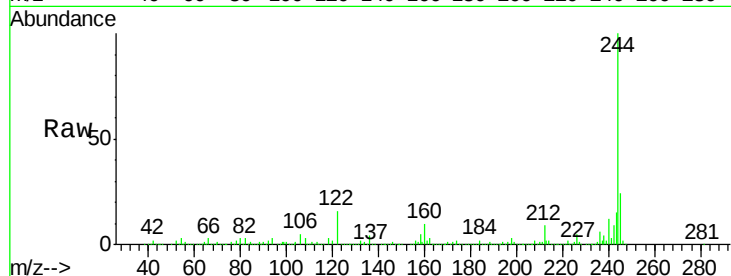




#76
Benzidine
Concen: 2.46 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.37 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

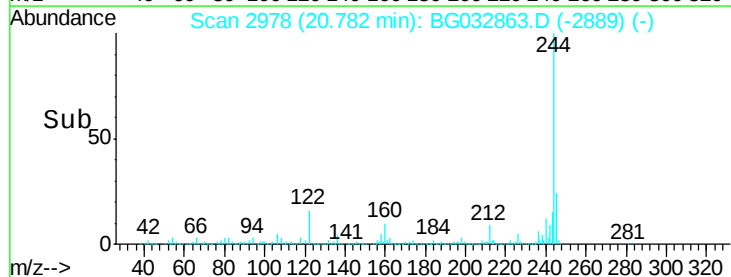
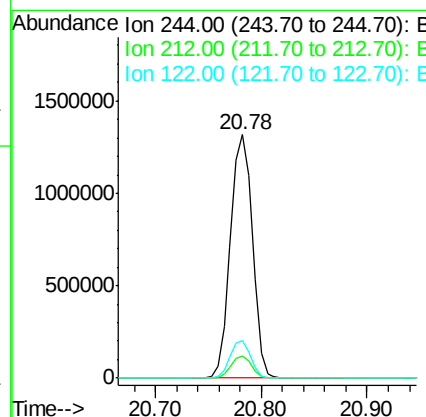
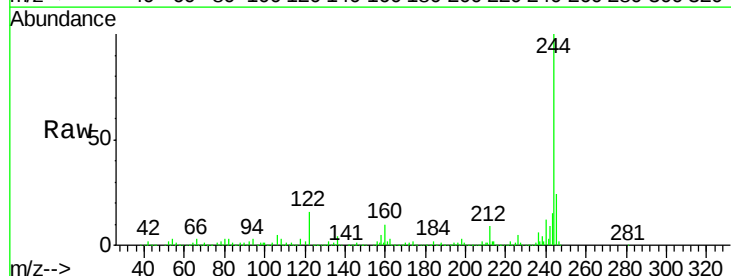
Instrument :
BNA_G
ClientSampleId :

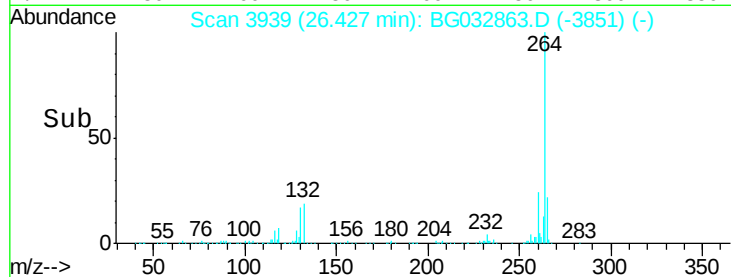
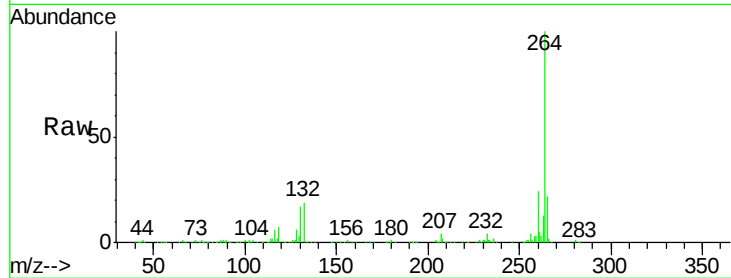
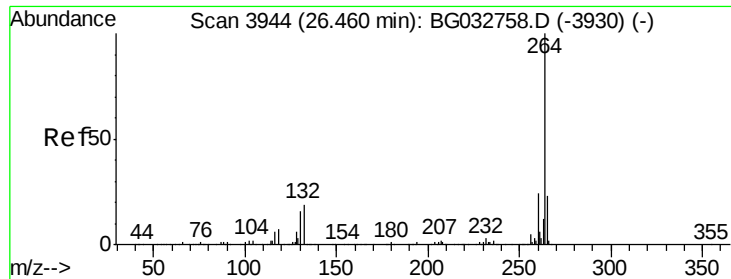
Tot Ion:184 Resp: 33710
Ion Ratio Lower Upper
184 100
185 17.1 11.1 16.7#
183 9.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 105.95 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BG032863.D
Acq: 27 Feb 2018 20:26

Tgt Ion:244 Resp: 1895766
Ion Ratio Lower Upper
244 100
212 9.4 5.8 8.8#
122 15.6 7.0 10.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 26.43 min Scan# 3939

Delta R.T. -0.01 min

Lab File: BG032863.D

Acq: 27 Feb 2018 20:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 412316

Ion Ratio Lower Upper

264 100

260 24.4 17.4 26.0

265 22.3 17.7 26.5

