

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033159.D
 Acq On : 14 Mar 2018 22:48
 Operator : SJ/JU
 Sample : PB107354TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 03:13:25 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

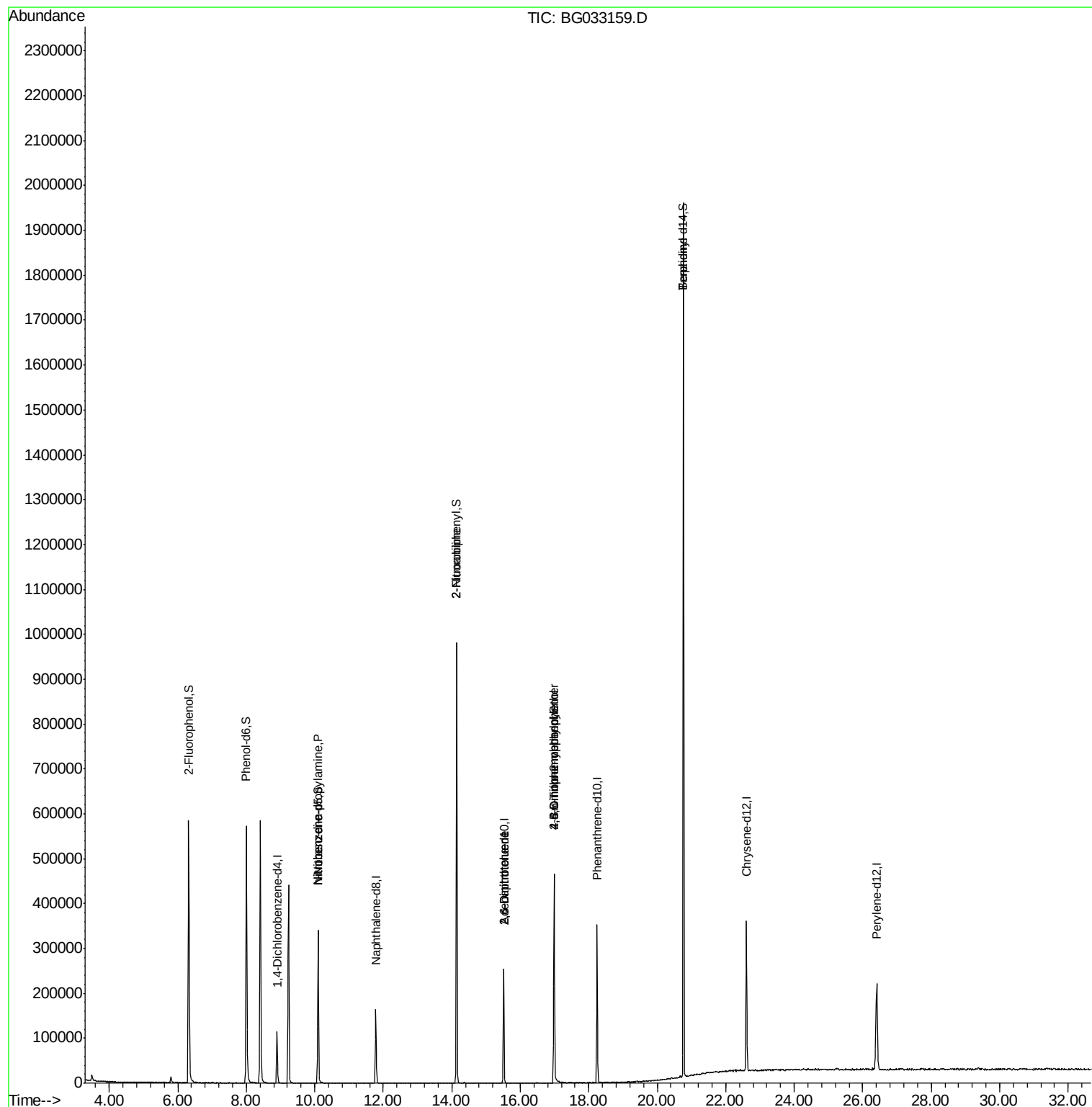
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	34153	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	151315	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	88031	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	222947	20.00	ng	0.00
75) Chrysene-d12	22.60	240	218814	20.00	ng	0.00
86) Perylene-d12	26.41	264	228073	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	292208	136.88	ng	0.00
7) Phenol-d6	8.00	99	361056	121.34	ng	0.00
23) Nitrobenzene-d5	10.10	82	217743	98.13	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	94832	102.45	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	510581	83.65	ng	0.00
78) Terphenyl-d14	20.76	244	904683	92.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	30049	14.305	ng	# 83
24) Nitrobenzene	10.09	77	903	6.705	ng	# 42
47) 2-Nitroaniline	14.14	65	870	10.313	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	10864	16.052	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	10864	14.247	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	69	5.079	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	5861	2.486	ng	# 1
76) Benzidine	20.76	184	14938	2.003	ng	# 91

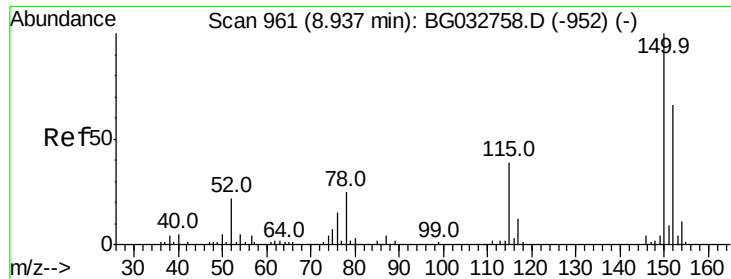
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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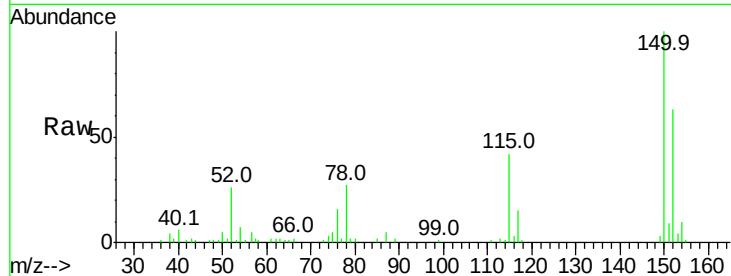


#1

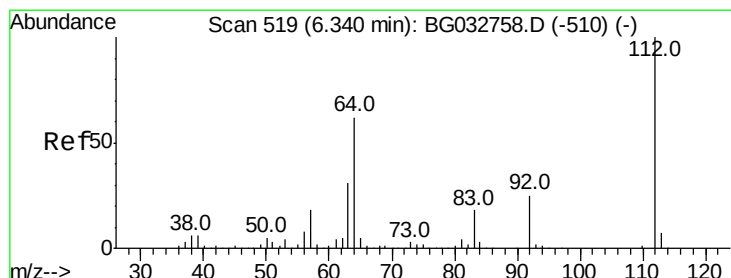
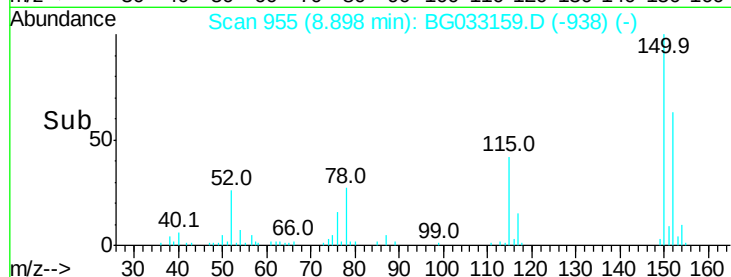
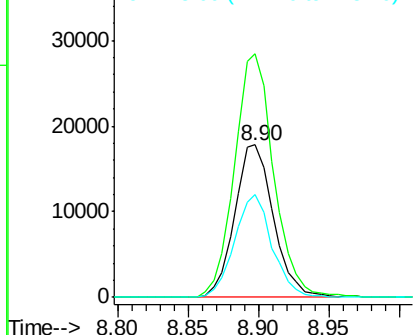
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34153
Ion Ratio Lower Upper
152 100
150 159.7 126.6 189.8
115 67.8 53.0 79.4



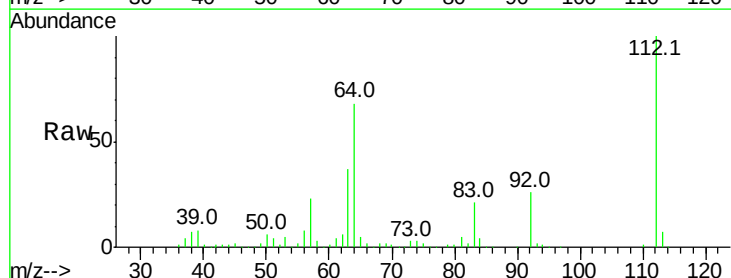
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



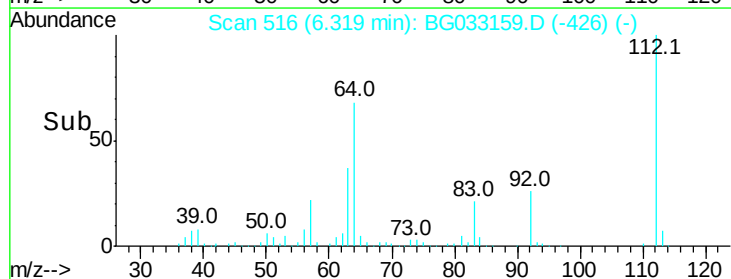
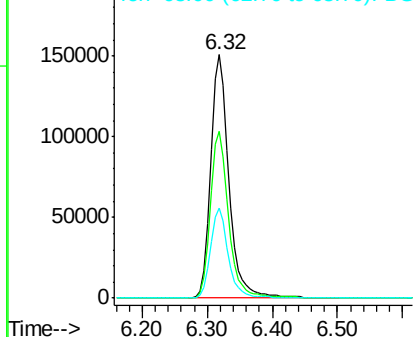
#5

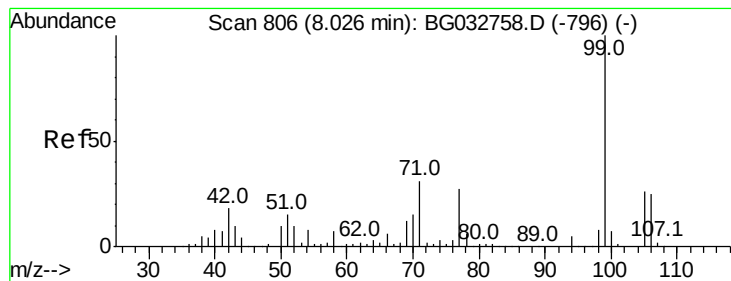
2-Fluorophenol
Concen: 136.881 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Tgt Ion:112 Resp: 292208
Ion Ratio Lower Upper
112 100
64 68.3 56.3 84.5
63 36.8 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: 121.341 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

Instrument :

BNA_G

ClientSampled :

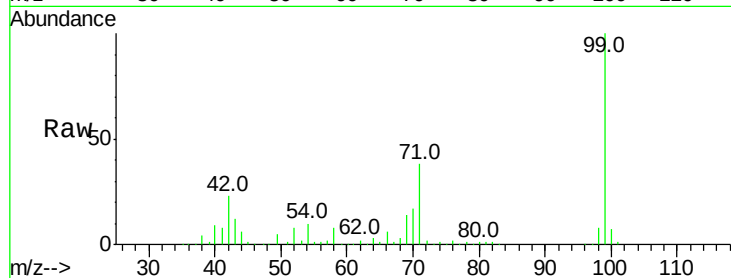
Tot Ion: 99 Resp: 361056

Ion Ratio Lower Upper

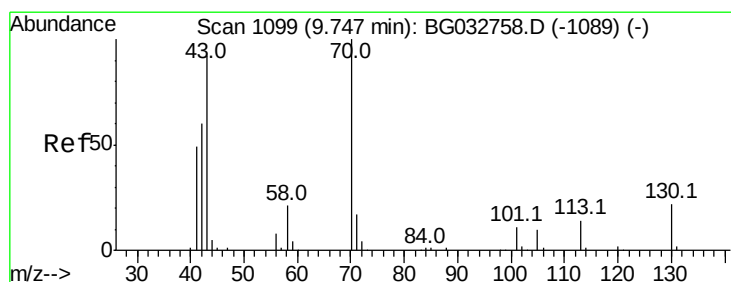
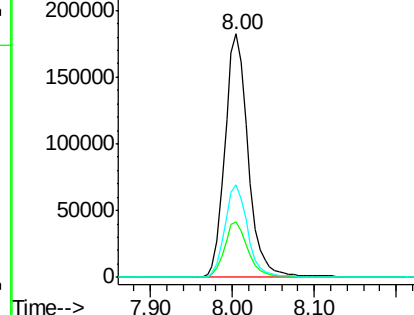
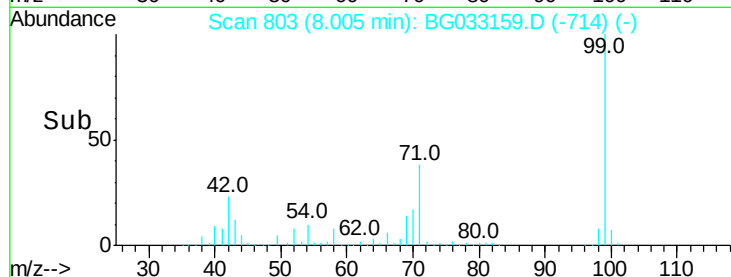
99 100

42 22.8 14.1 21.1#

71 38.0 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: 14.305 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

Tgt Ion: 70 Resp: 30049

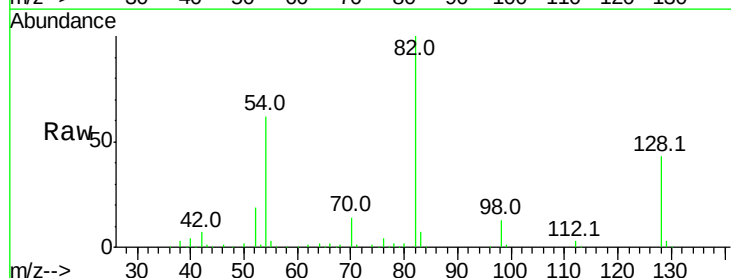
Ion Ratio Lower Upper

70 100

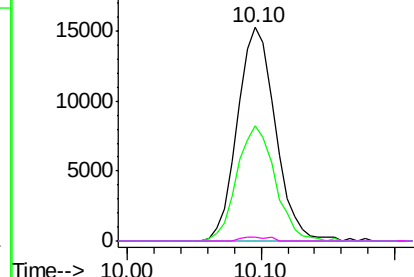
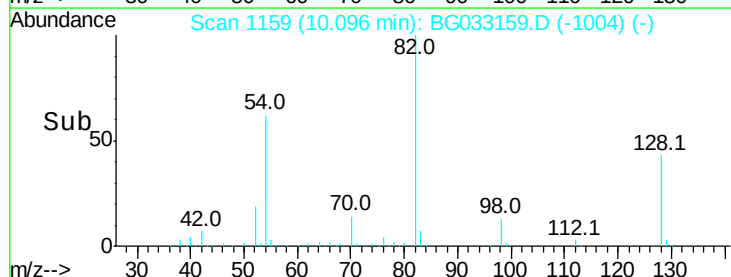
42 53.8 49.1 73.7

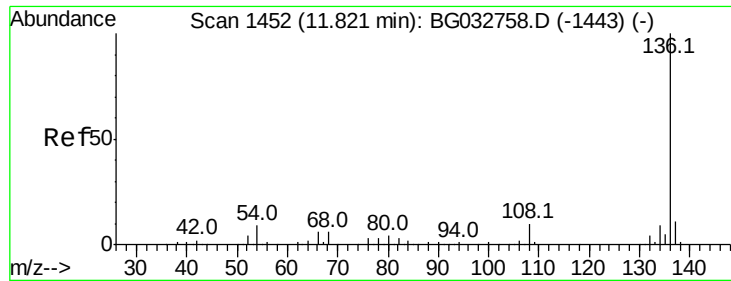
101 0.0 8.5 12.7#

130 1.9 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

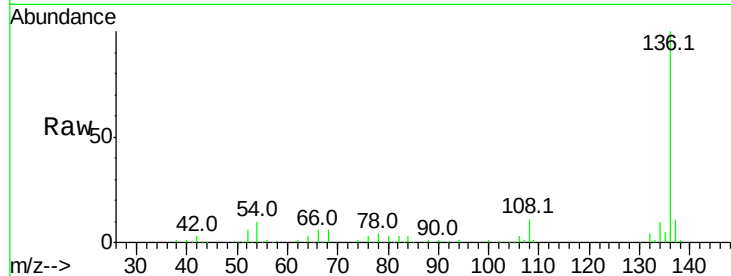




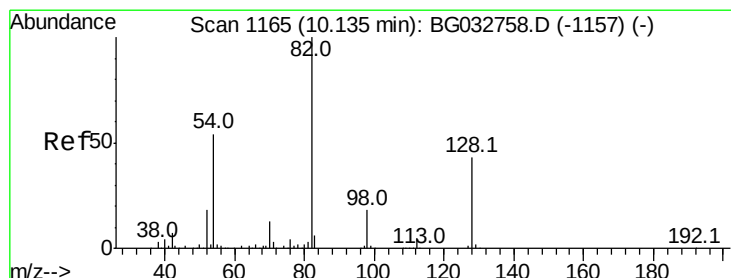
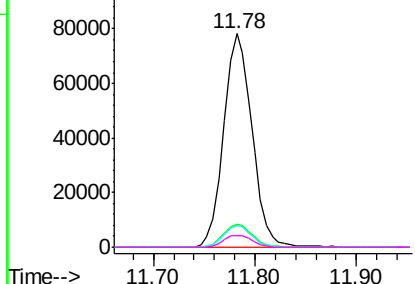
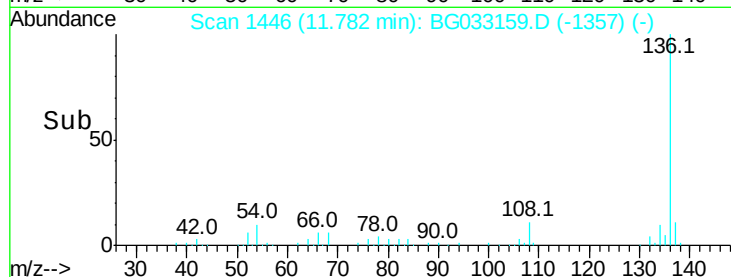
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	151315
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	10.5	10.3	15.5
68	5.7	4.5	6.7

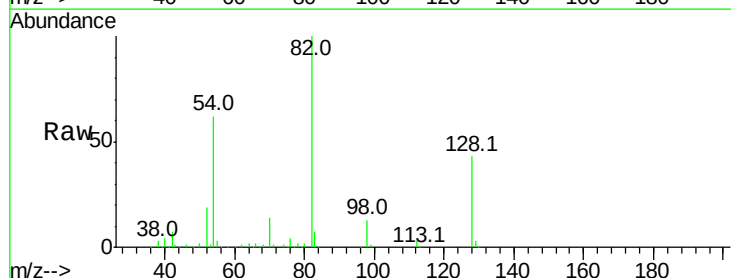


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

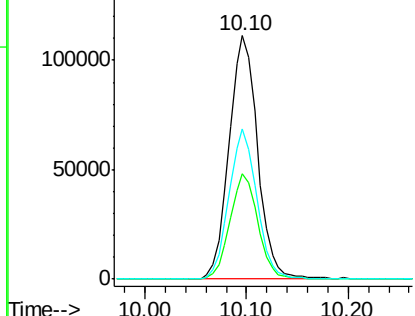
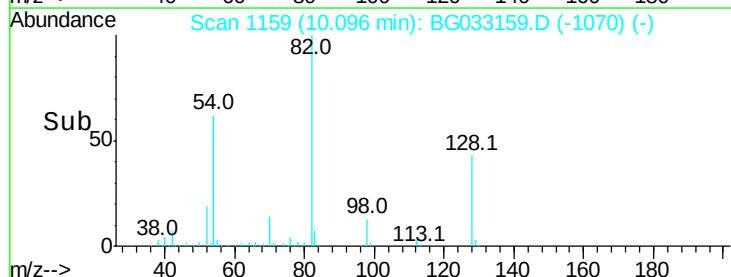


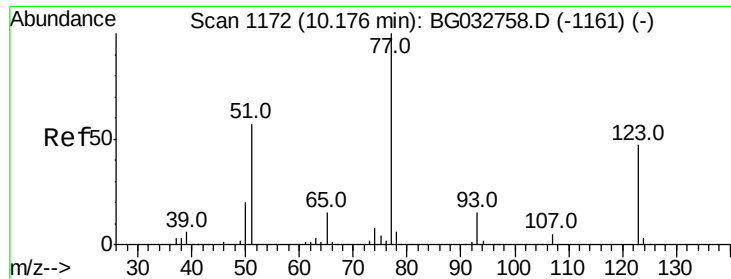
#23
Nitrobenzene-d5
Concen: 98.127 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Tgt Ion:	82	Resp:	217743
Ion	Ratio	Lower	Upper
82	100		
128	43.1	29.7	44.5
54	61.7	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.705 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.05 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

Instrument :

BNA_G

ClientSampleId :

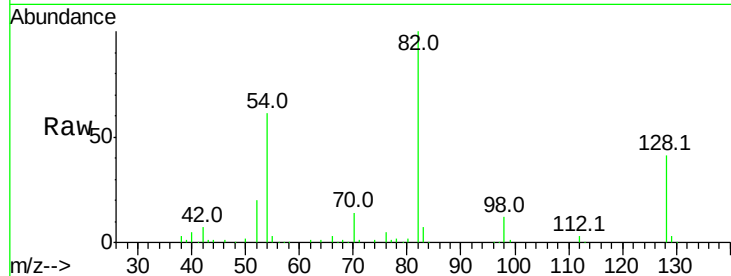
Tot Ion: 77 Resp: 903

Ion Ratio Lower Upper

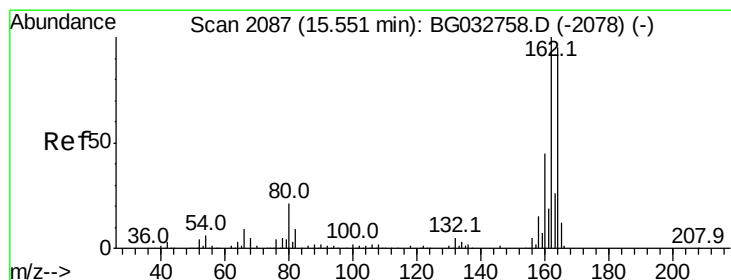
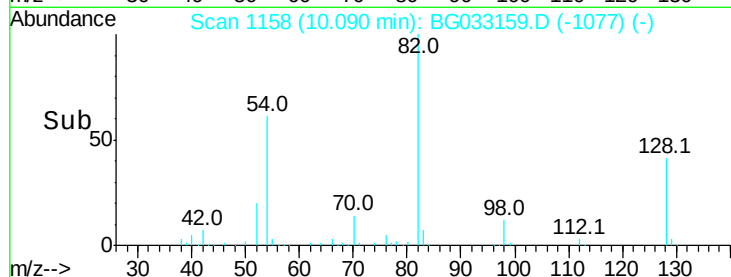
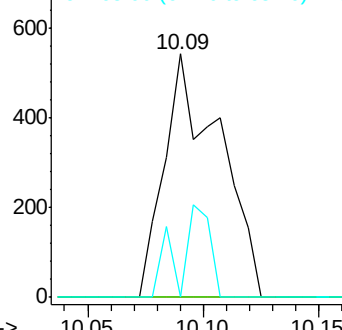
77 100

123 0.0 33.0 49.6#

65 0.0 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: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

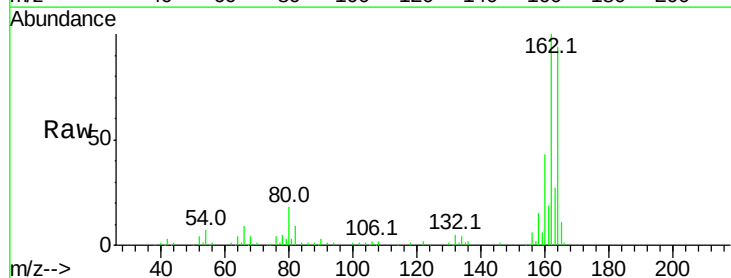
Tgt Ion:164 Resp: 88031

Ion Ratio Lower Upper

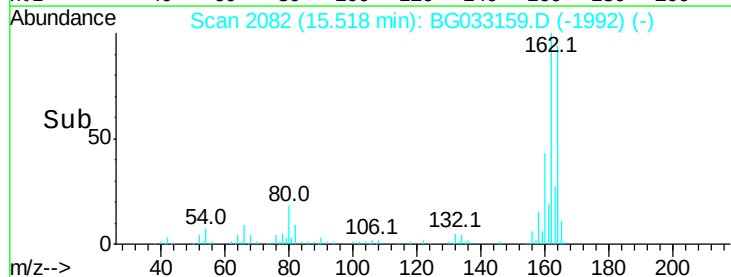
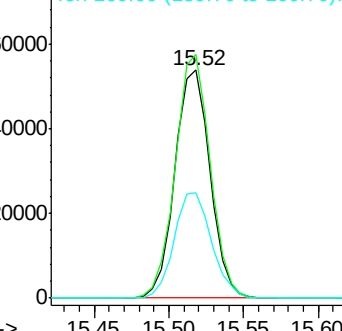
164 100

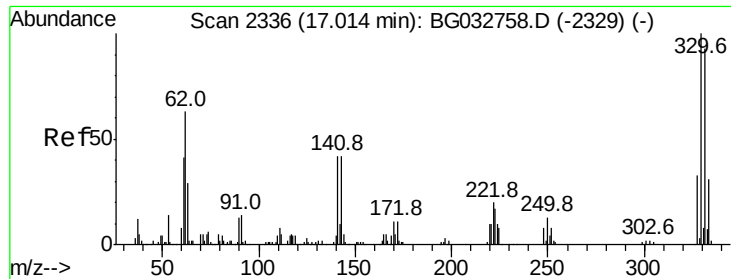
162 106.7 78.8 118.2

160 46.3 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

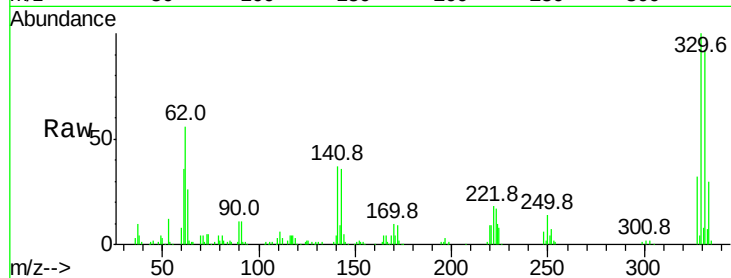




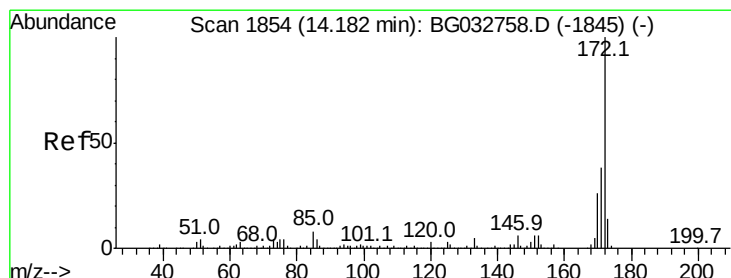
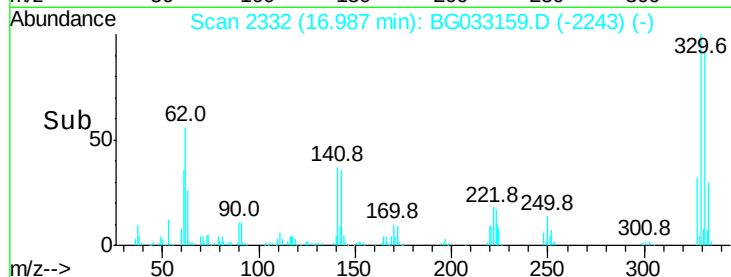
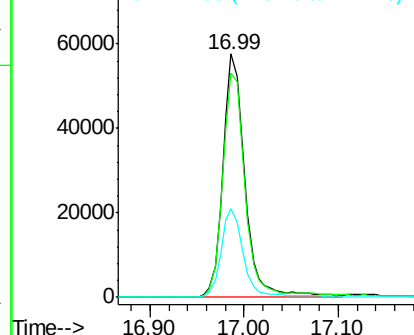
#41
 2,4,6-Tribromophenol
 Concen: 102.453 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: BG033159.D
 Acq: 14 Mar 2018 22:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 94832
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 37.0 25.2 37.8

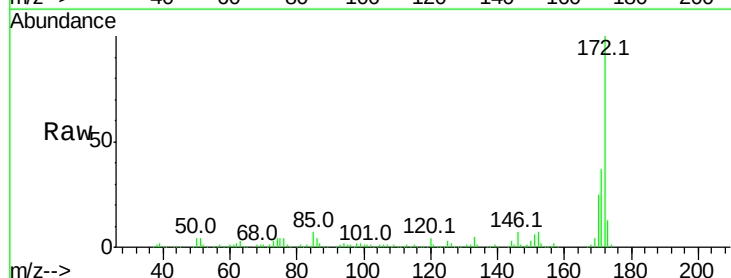


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

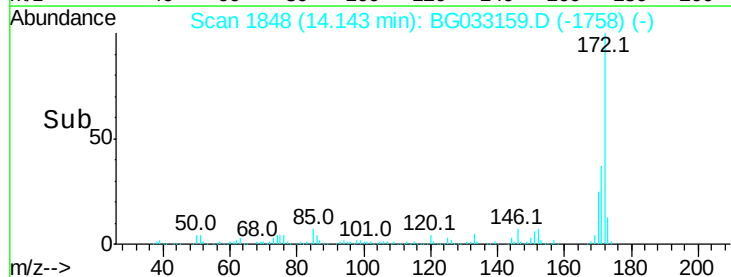
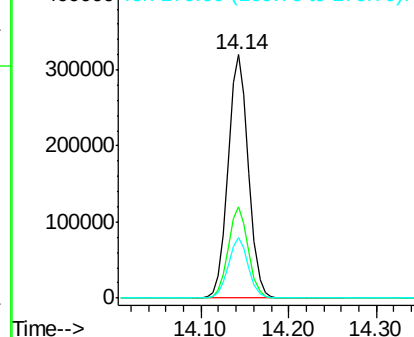


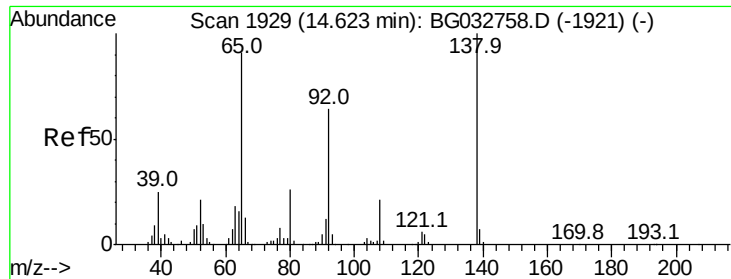
#44
 2-Fluorobiphenyl
 Concen: 83.651 ng
 RT: 14.14 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033159.D
 Acq: 14 Mar 2018 22:48

Tgt Ion:172 Resp: 510581
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.6 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

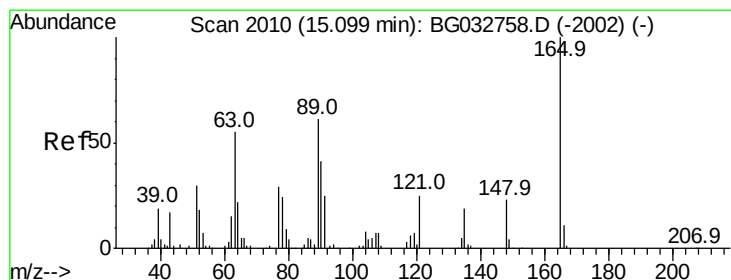
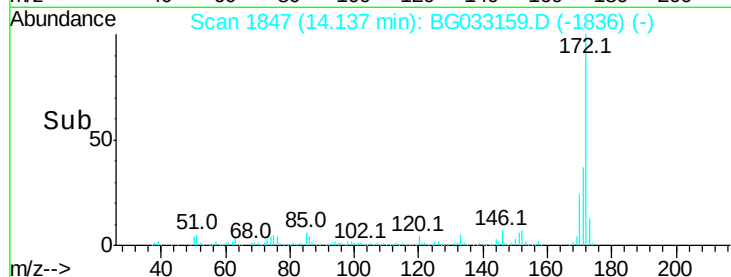
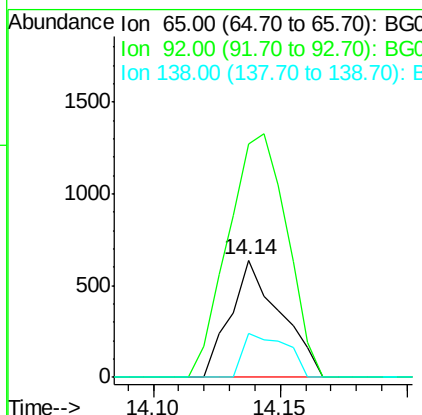
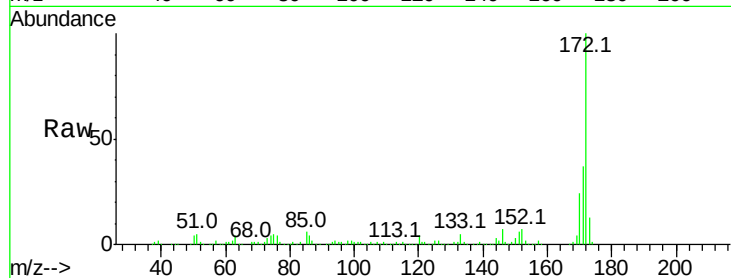




#47
2-Nitroaniline
Concen: 10.313 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.46 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

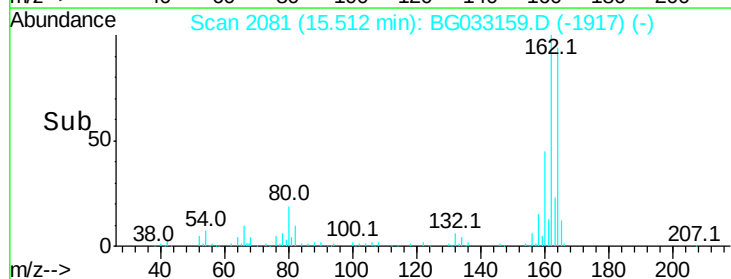
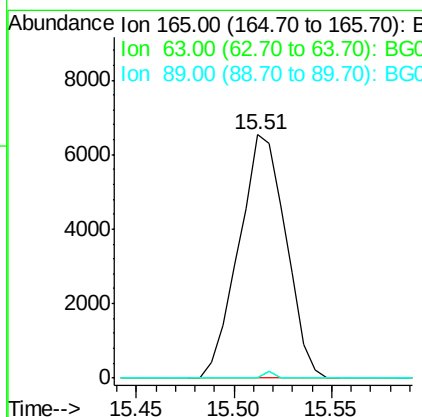
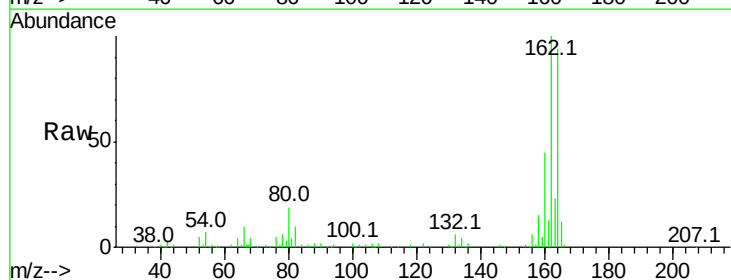
Instrument :
BNA_G
ClientSampleId :

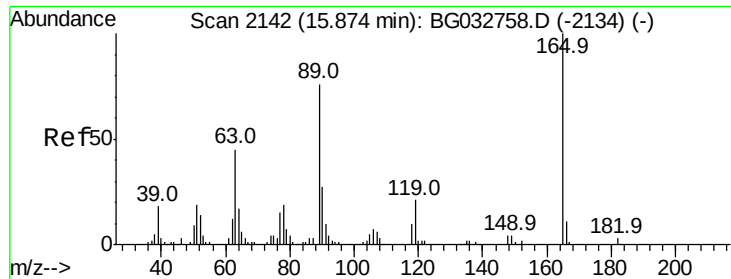
Tot Ion: 65 Resp: 870
Ion Ratio Lower Upper
65 100
92 199.4 54.6 82.0#
138 37.4 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.052 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.43 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Tgt Ion:165 Resp: 10864
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

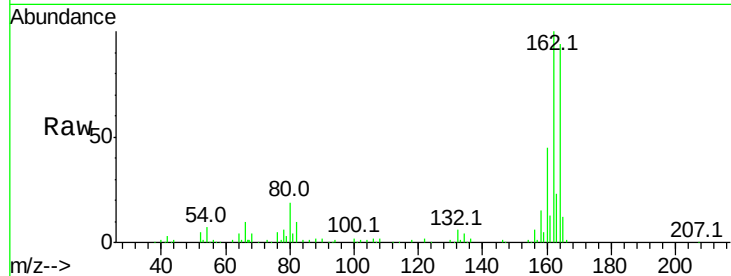




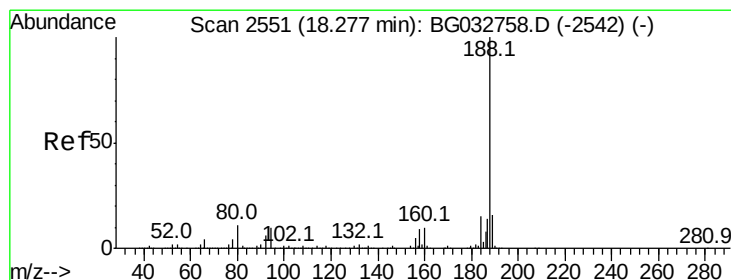
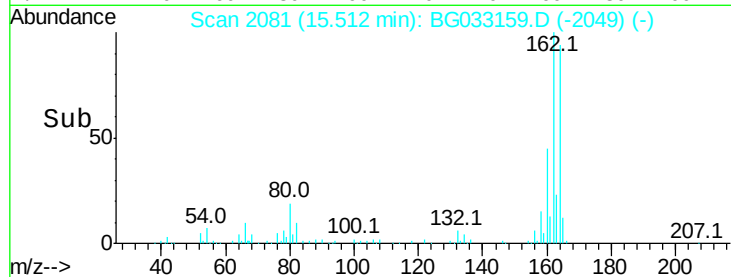
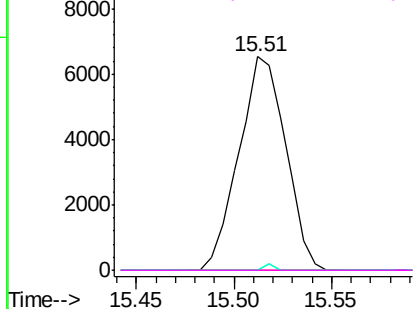
#56
2,4-Dinitrotoluene
Concen: 14.247 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 10864
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

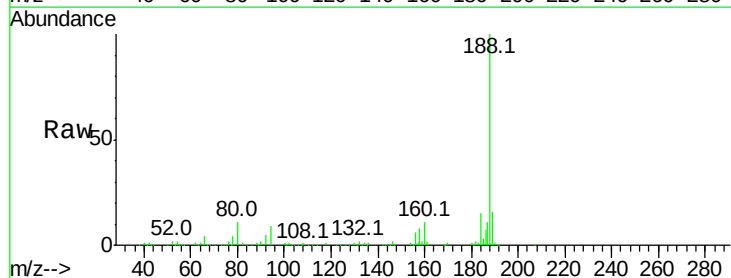


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

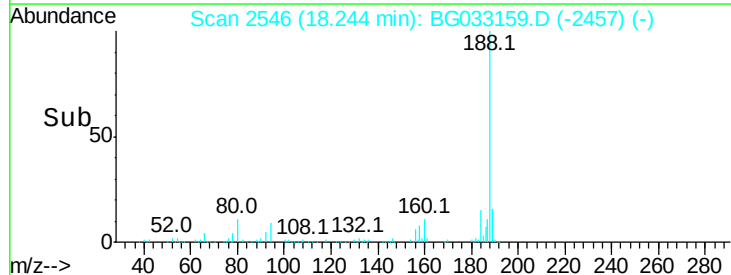
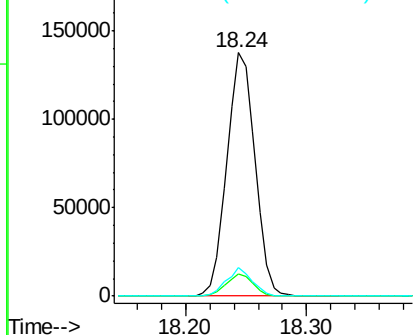


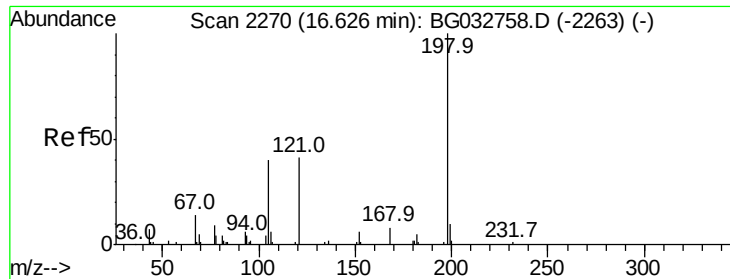
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BG033159.D
Acq: 14 Mar 2018 22:48

Tgt Ion:188 Resp: 222947
Ion Ratio Lower Upper
188 100
94 9.0 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: 5.079 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

Instrument :

BNA_G

ClientSampleId :

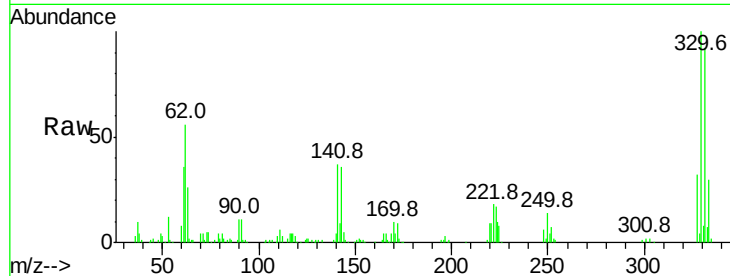
Tot Ion:198 Resp: 69

Ion Ratio Lower Upper

198 100

51 126.5 30.6 70.6#

105 131.1 23.8 63.8#

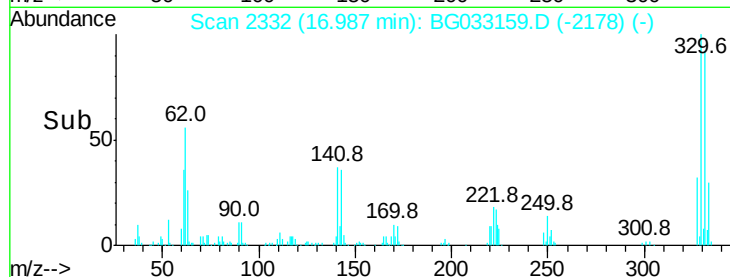


Abundance Ion 198.00 (197.70 to 198.70): E

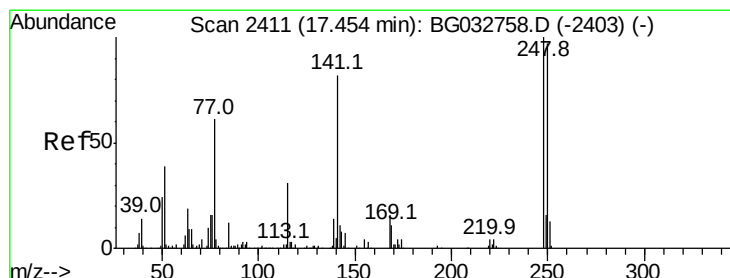
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.486 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

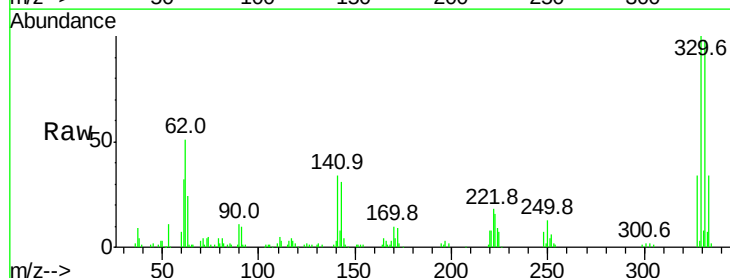
Tgt Ion:248 Resp: 5861

Ion Ratio Lower Upper

248 100

250 173.3 77.1 115.7#

141 455.4 50.8 76.2#

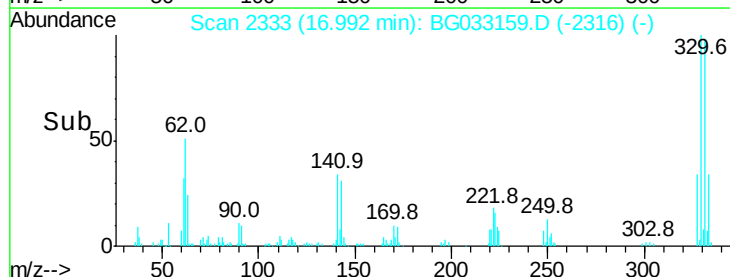


Abundance Ion 248.00 (247.70 to 248.70): E

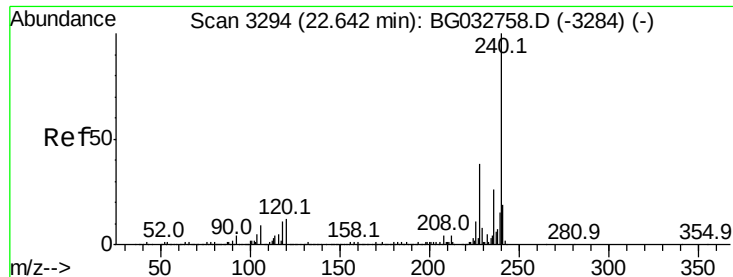
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



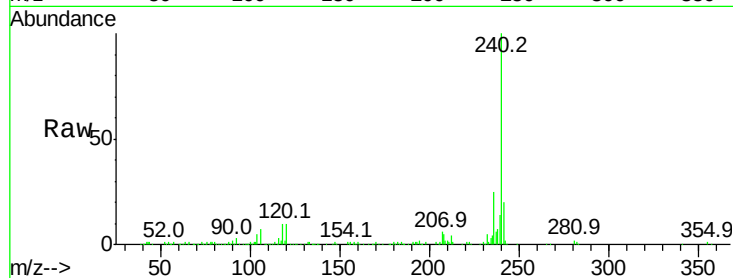
Time-->



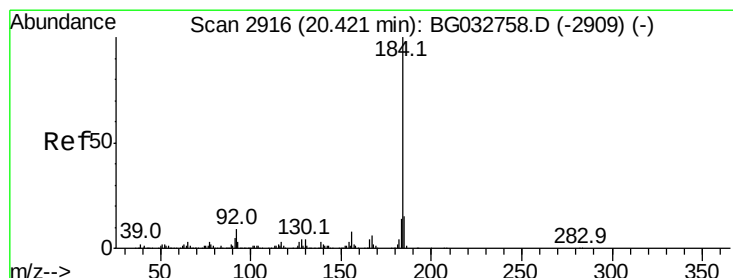
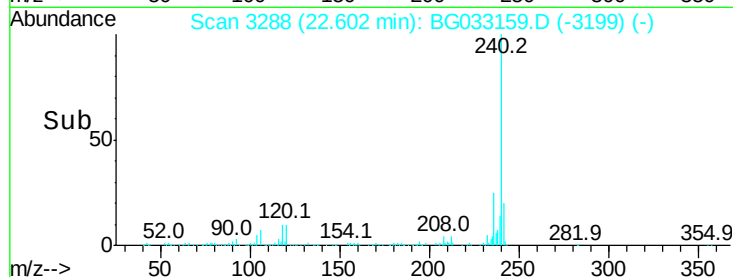
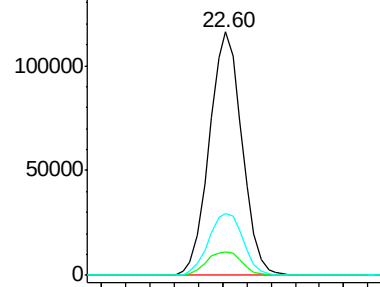
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033159.D
 Acq: 14 Mar 2018 22:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:240 Resp: 218814
 Ion Ratio Lower Upper
 240 100
 120 9.5 6.8 10.2
 236 25.3 20.9 31.3

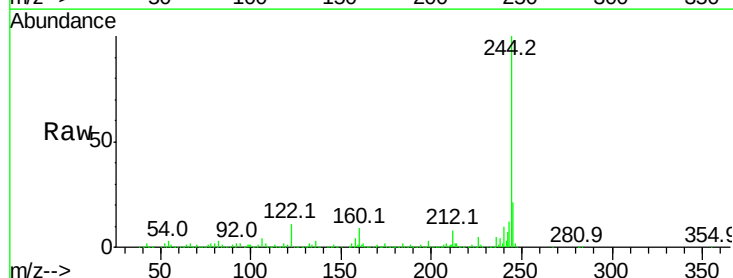


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

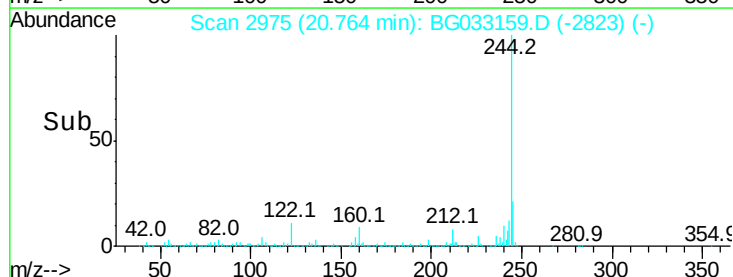
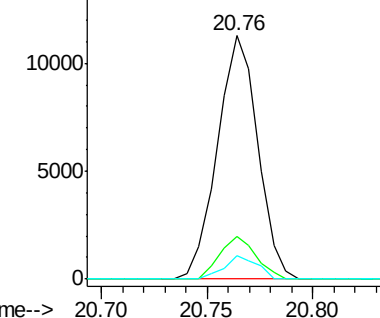


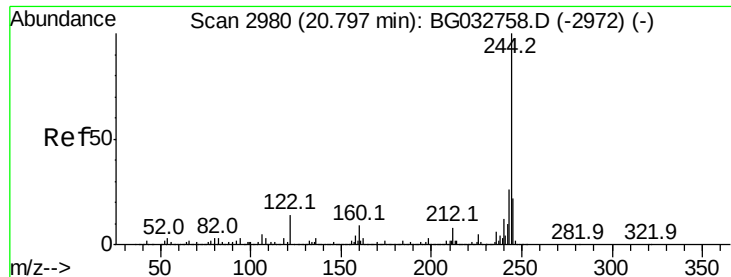
#76
 Benzidine
 Concen: 2.003 ng
 RT: 20.76 min Scan# 2975
 Delta R.T. 0.36 min
 Lab File: BG033159.D
 Acq: 14 Mar 2018 22:48

Tgt Ion:184 Resp: 14938
 Ion Ratio Lower Upper
 184 100
 185 17.3 11.1 16.7#
 183 9.7 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: 92.891 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

Instrument :

BNA_G

ClientSampled :

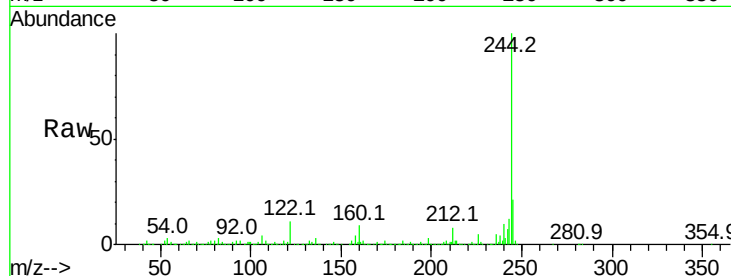
Tot Ion:244 Resp: 904683

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

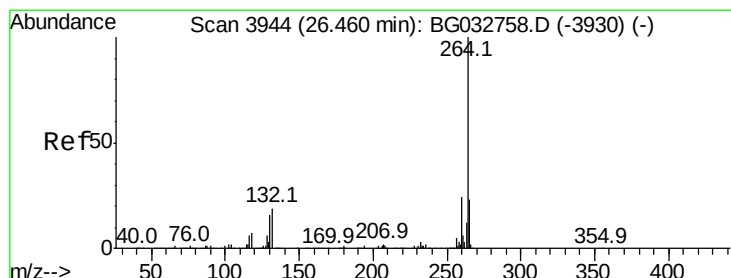
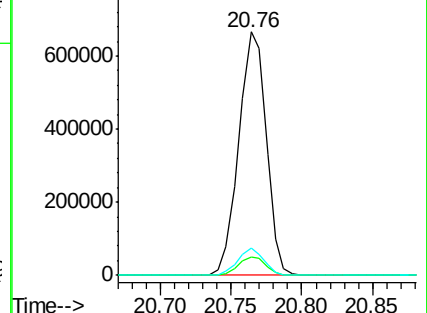
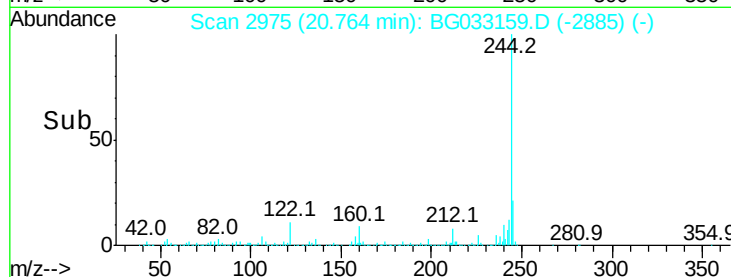
122 11.0 7.0 10.4#



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: 26.41 min Scan# 3936

Delta R.T. 0.00 min

Lab File: BG033159.D

Acq: 14 Mar 2018 22:48

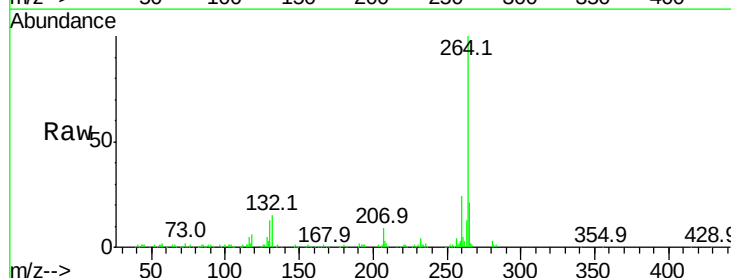
Tgt Ion:264 Resp: 228073

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.8 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

