

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032902.D
 Acq On : 1 Mar 2018 00:14
 Operator : SJ/JU
 Sample : J1699-32
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:30:20 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

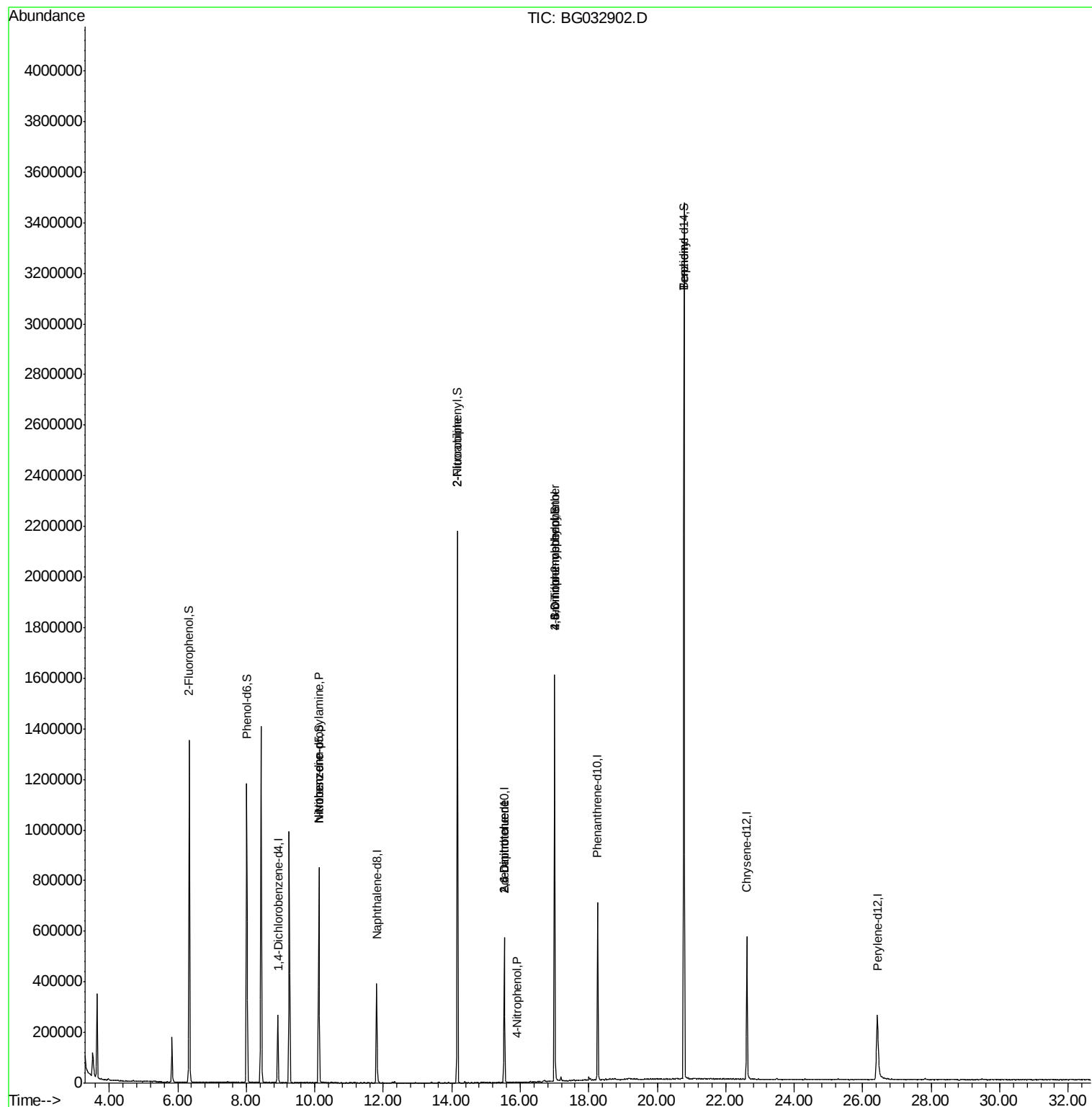
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	79115	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	345529	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	195318	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	423485	20.00	ng	0.00
75) Chrysene-d12	22.61	240	377178	20.00	ng	-0.02
86) Perylene-d12	26.43	264	356127	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	636662	128.75	ng	0.00
7) Phenol-d6	8.02	99	748575	108.60	ng	0.00
23) Nitrobenzene-d5	10.12	82	537614	105.29	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	274515	133.67	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1115672	82.38	ng	0.00
78) Terphenyl-d14	20.78	244	1550377	92.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	69671	14.317	ng	# 83
24) Nitrobenzene	10.11	77	1663	6.642	ng	# 48
47) 2-Nitroaniline	14.17	65	2077	10.349	ng	# 5
50) 2,6-Dinitrotoluene	15.53	165	25682	16.520	ng	# 20
55) 4-Nitrophenol	15.92	139	106	7.116	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	25682	14.718	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	899	5.850	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19970	4.460	ng	# 1
76) Benzidine	20.78	184	27062	2.105	ng	# 93

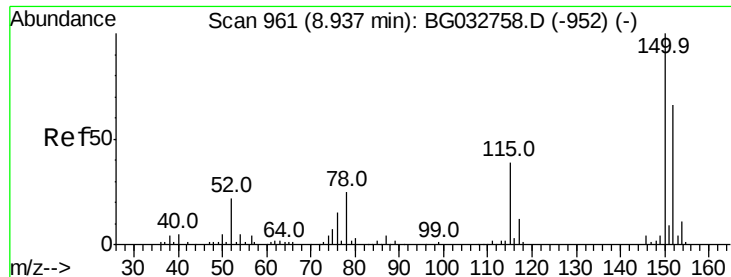
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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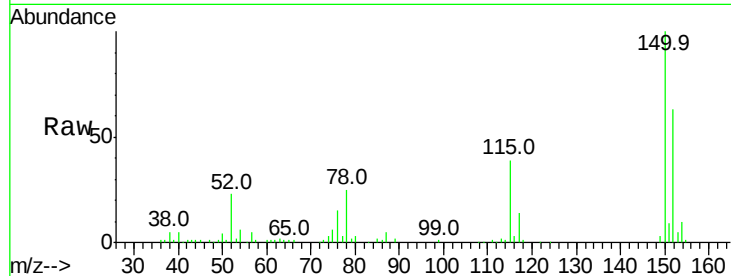


#1

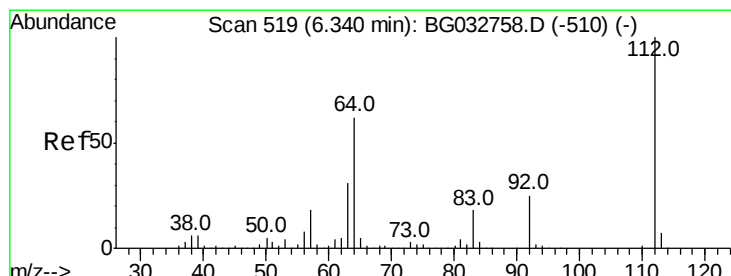
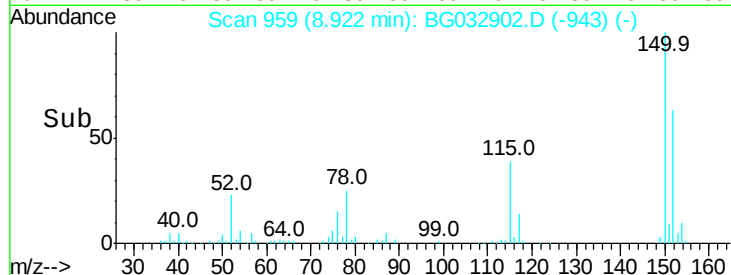
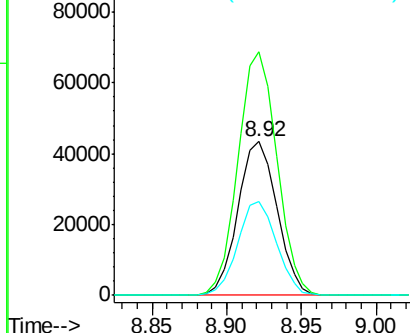
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.01 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 79115
Ion Ratio Lower Upper
152 100
150 158.3 126.6 189.8
115 61.1 53.0 79.4



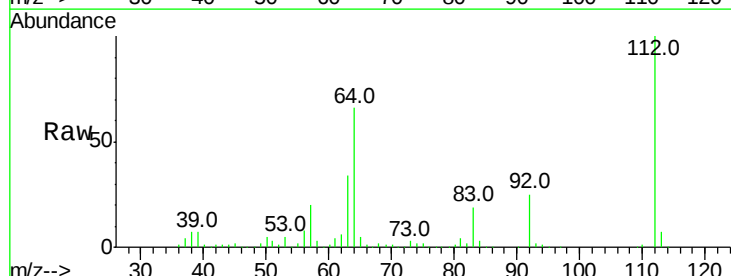
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



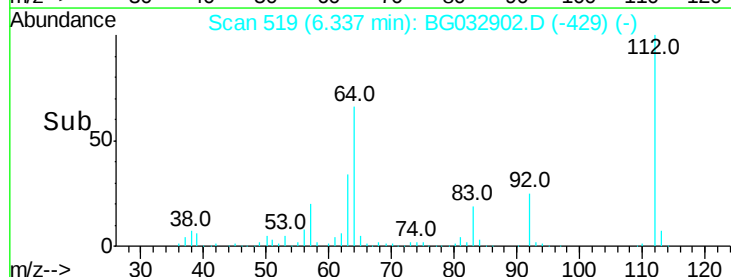
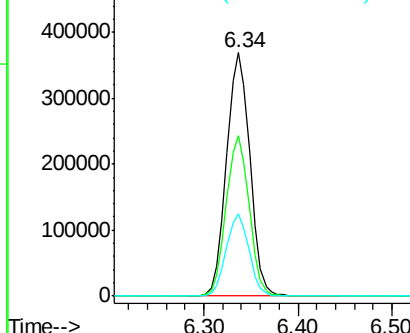
#5

2-Fluorophenol
Concen: 128.745 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Tgt Ion:112 Resp: 636662
Ion Ratio Lower Upper
112 100
64 65.6 56.3 84.5
63 33.7 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 108.602 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

Instrument :

BNA_G

ClientSampled :

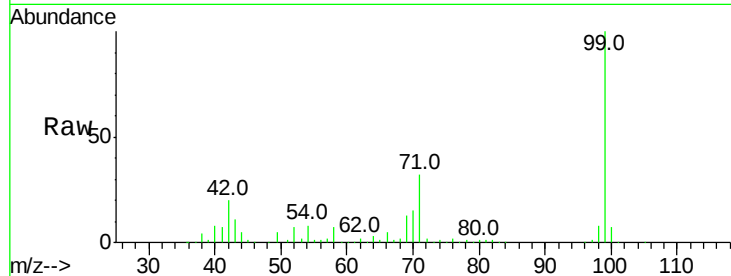
Tot Ion: 99 Resp: 748575

Ion Ratio Lower Upper

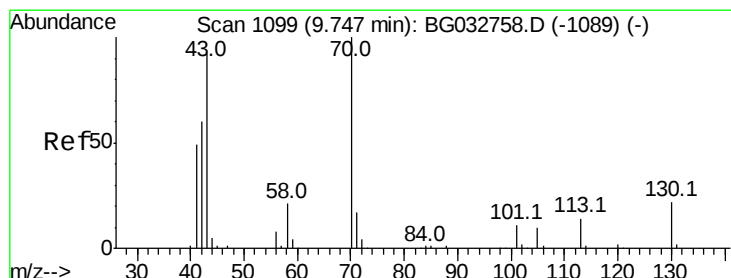
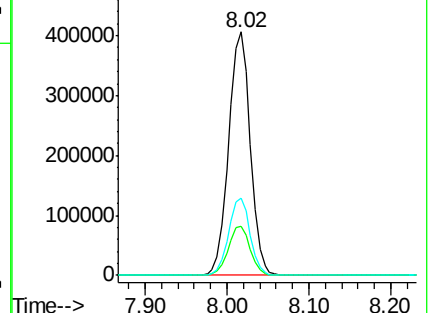
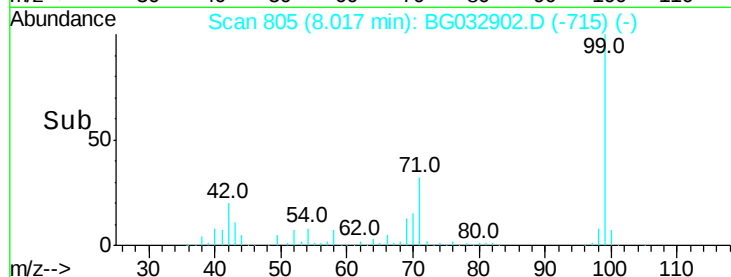
99 100

42 20.4 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: 14.317 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

Tgt Ion: 70 Resp: 69671

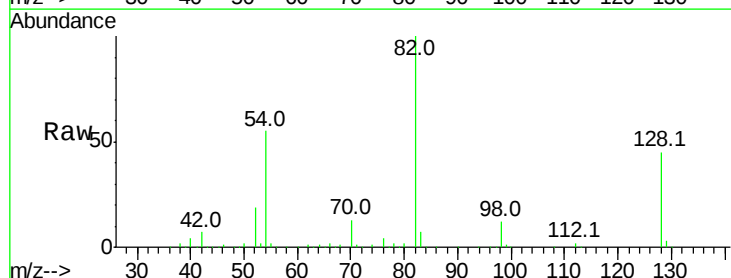
Ion Ratio Lower Upper

70 100

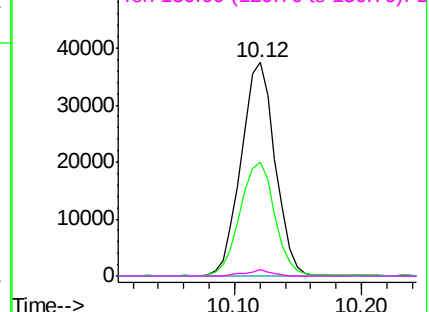
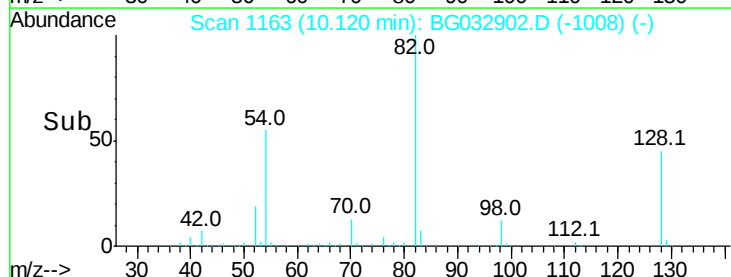
42 53.3 49.1 73.7

101 0.0 8.5 12.7#

130 3.0 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

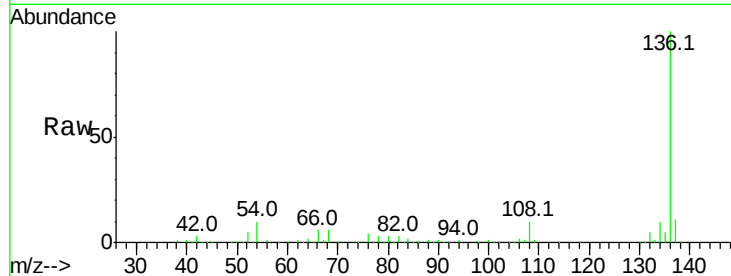




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	9.6	10.3	15.5
68	6.1	4.5	6.7



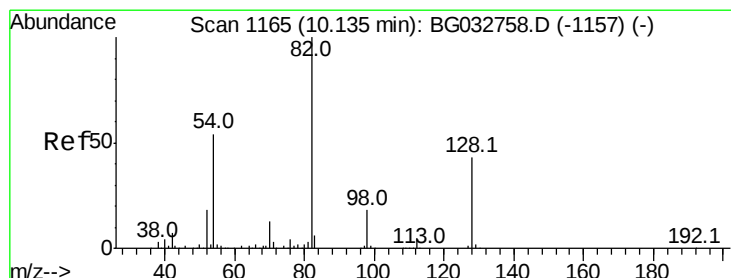
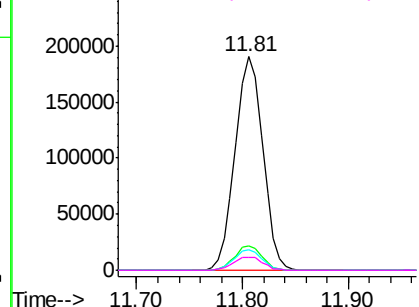
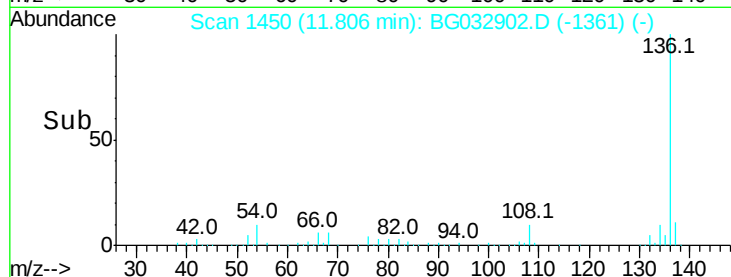
Abundance

Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

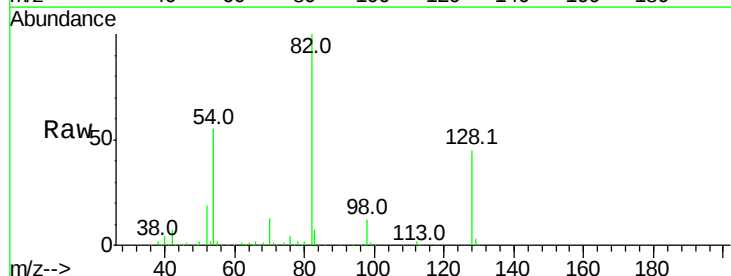
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 105.294 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	29.7	44.5
54	55.3	43.1	64.7

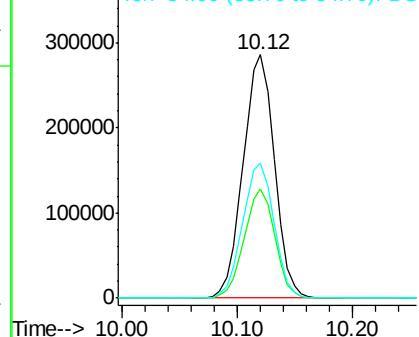
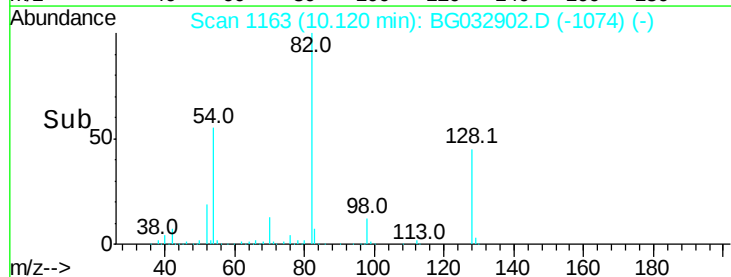


Abundance

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: 6.642 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.05 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

Instrument :

BNA_G

ClientSampleId :

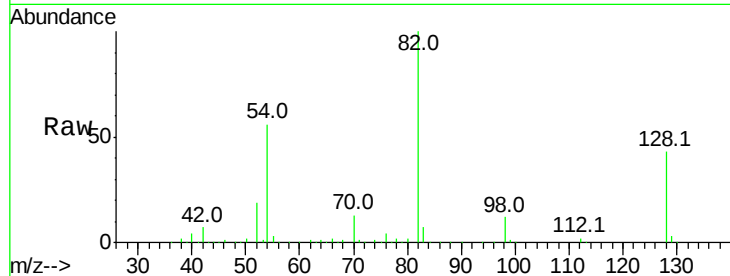
Tot Ion: 77 Resp: 1663

Ion Ratio Lower Upper

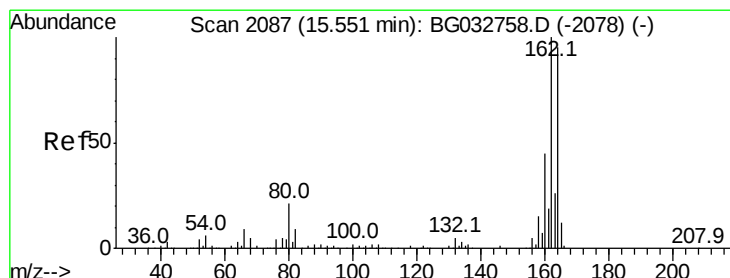
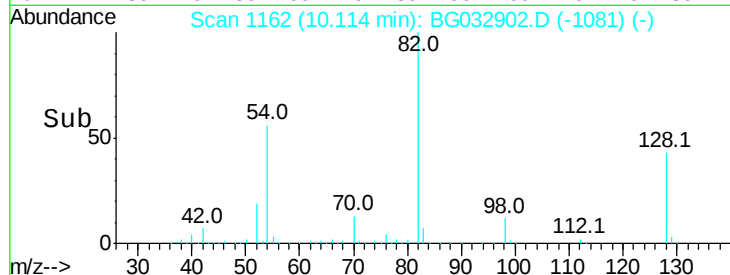
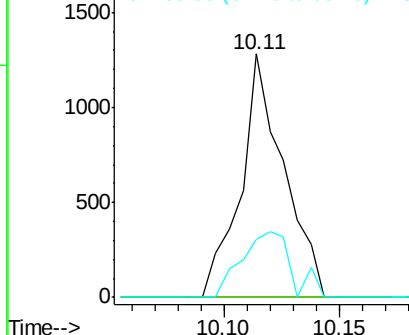
77 100

123 0.0 33.0 49.6#

65 23.9 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: 15.54 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

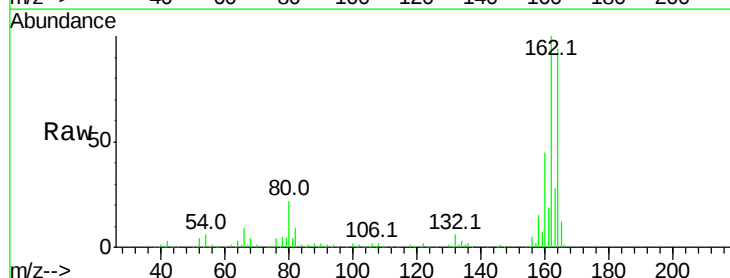
Tgt Ion:164 Resp: 195318

Ion Ratio Lower Upper

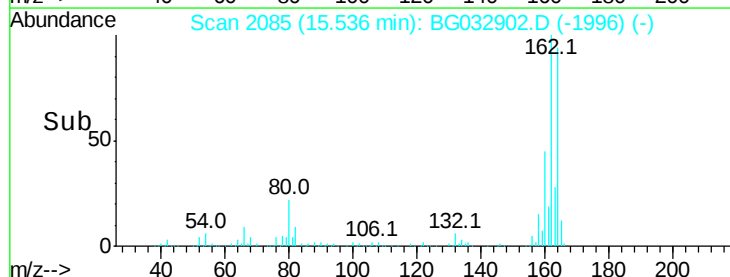
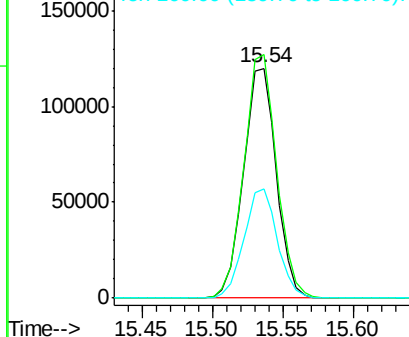
164 100

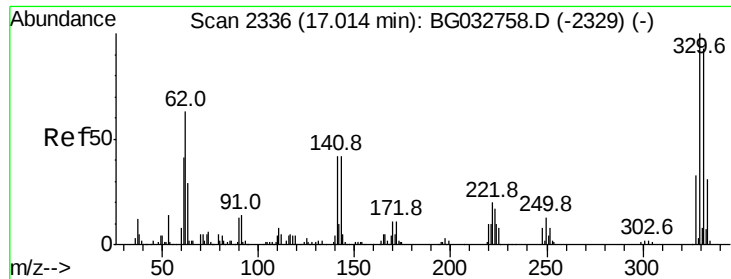
162 105.9 78.8 118.2

160 47.6 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

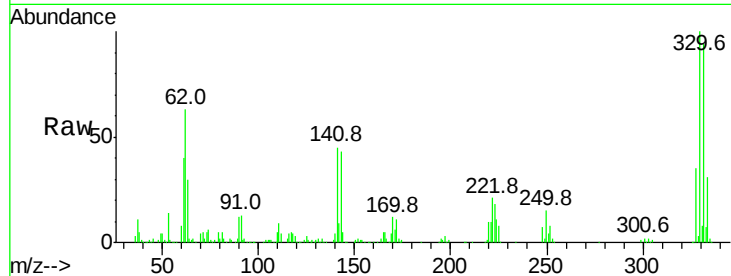




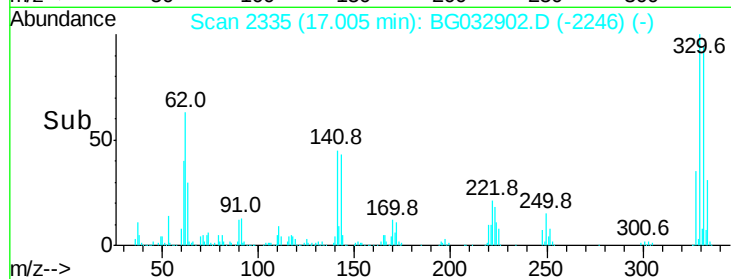
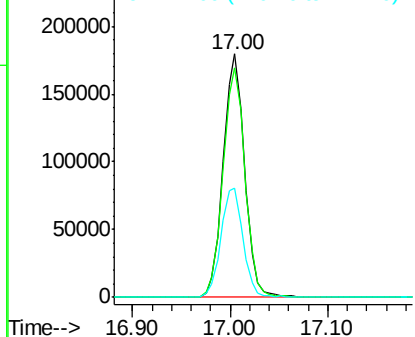
#41
 2,4,6-Tribromophenol
 Concen: 133.668 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BG032902.D
 Acq: 1 Mar 2018 00:14

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:330 Resp: 274515
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 46.1 25.2 37.8#

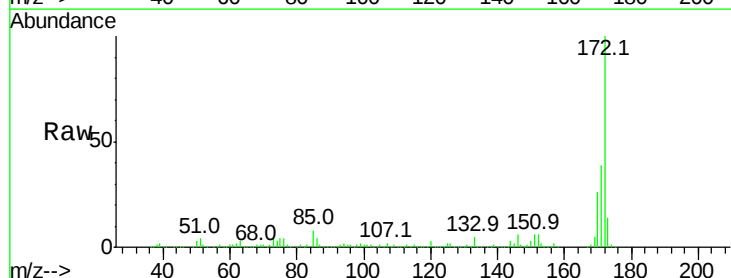


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

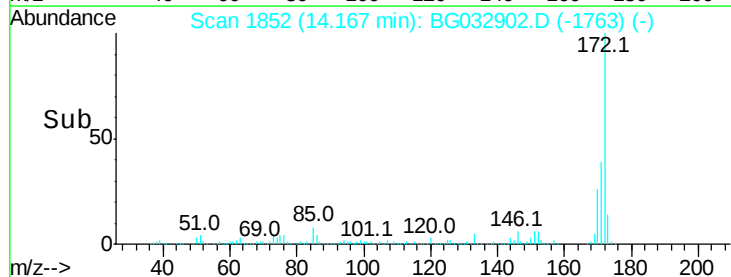
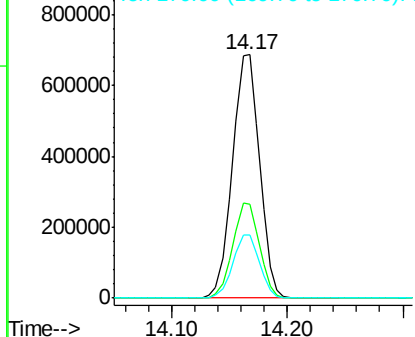


#44
 2-Fluorobiphenyl
 Concen: 82.383 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG032902.D
 Acq: 1 Mar 2018 00:14

Tgt Ion:172 Resp: 1115672
 Ion Ratio Lower Upper
 172 100
 171 38.7 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: 10.349 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.45 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

Instrument :

BNA_G

ClientSampleId :

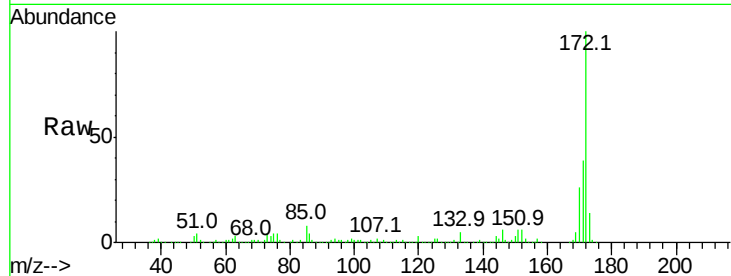
Tot Ion: 65 Resp: 2077

Ion Ratio Lower Upper

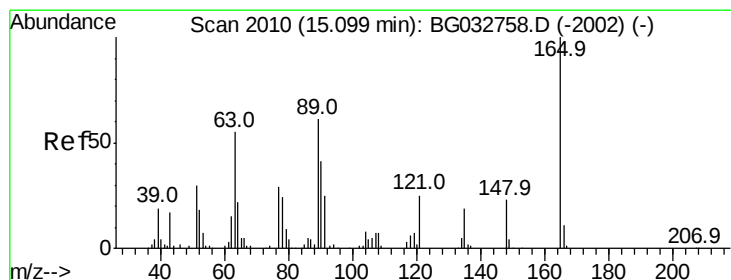
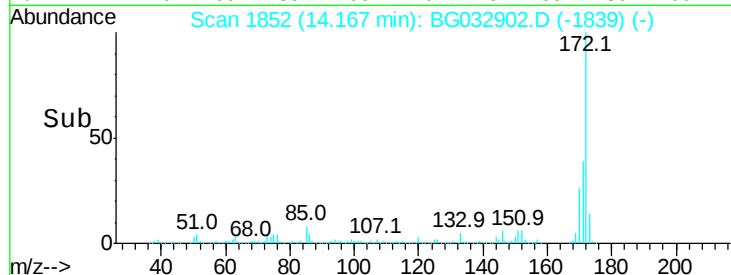
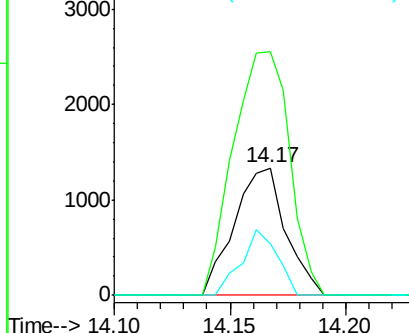
65 100

92 191.1 54.6 82.0#

138 40.8 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: 16.520 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

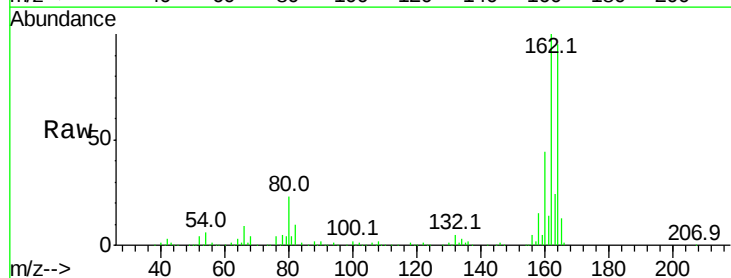
Tgt Ion:165 Resp: 25682

Ion Ratio Lower Upper

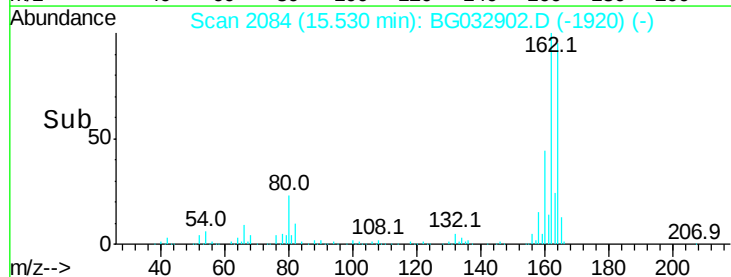
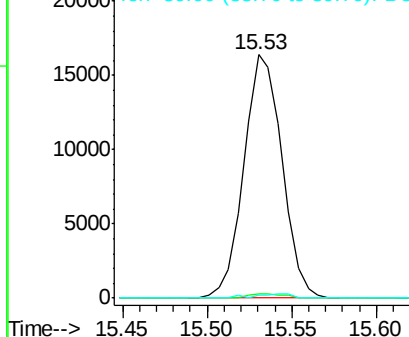
165 100

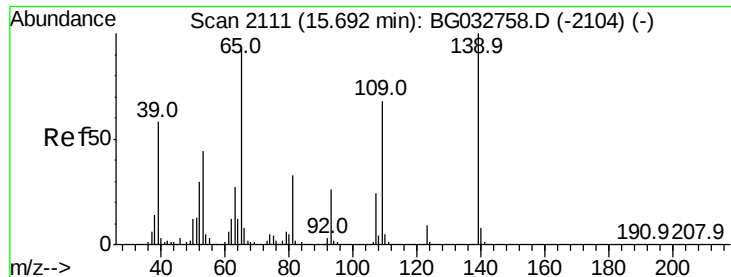
63 1.7 52.7 79.1#

89 1.5 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

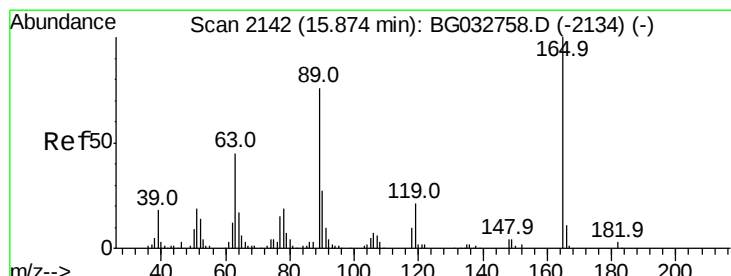
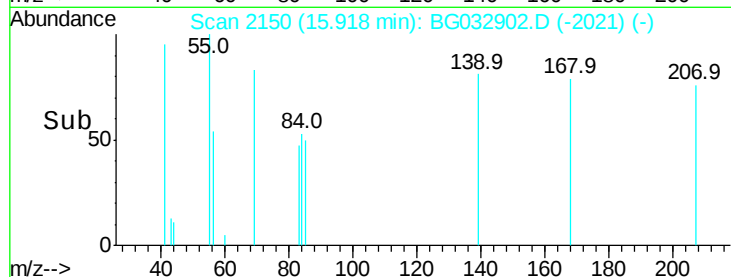
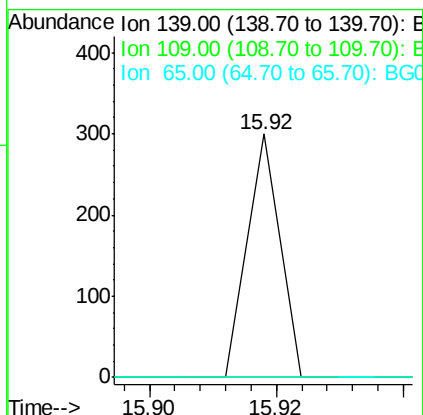
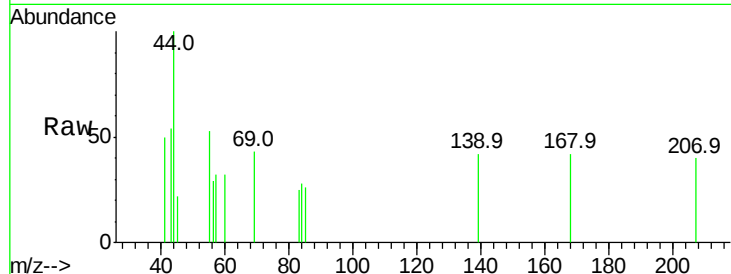




#55
4-Nitrophenol
Concen: 7.116 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.23 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

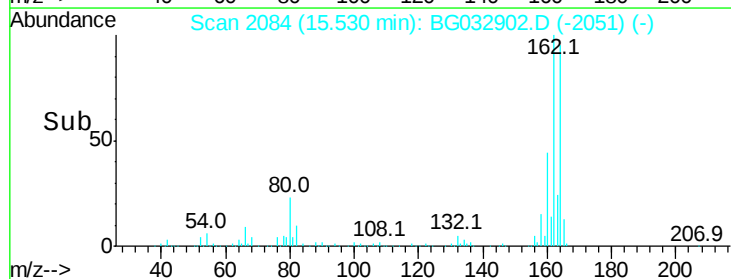
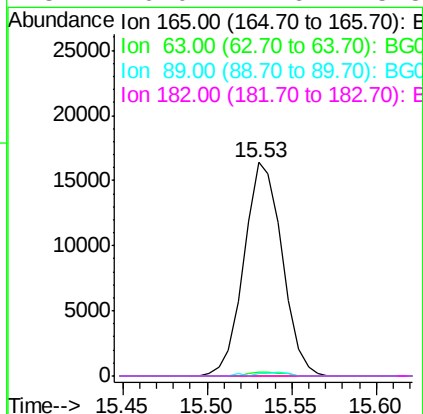
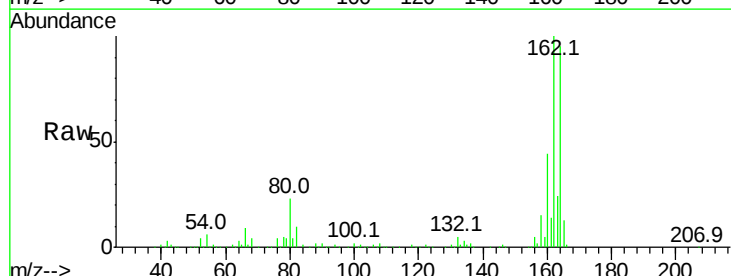
Instrument :
BNA_G
ClientSampleId :

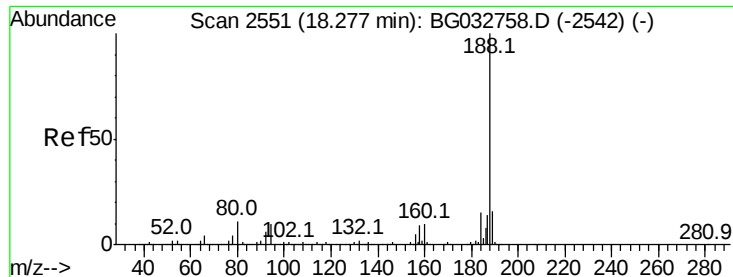
Tot Ion:139 Resp: 106
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.718 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Tgt Ion:165 Resp: 25682
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 1.5 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

Instrument :

BNA_G

ClientSampleId :

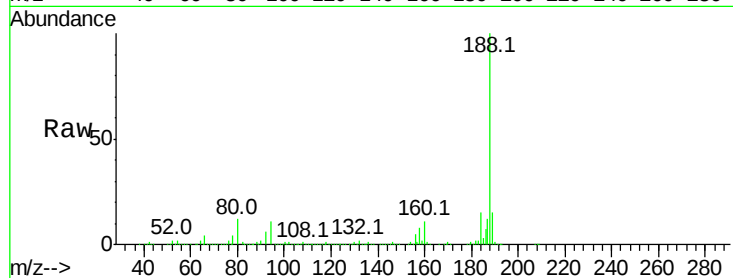
Tot Ion:188 Resp: 423485

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

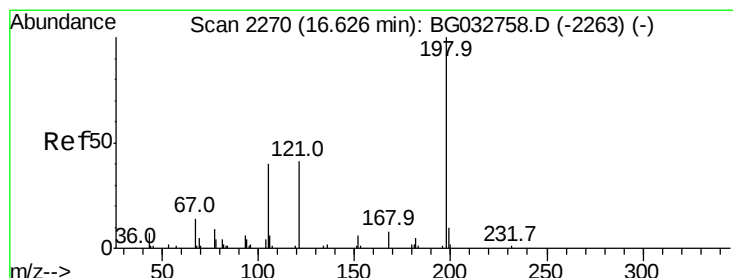
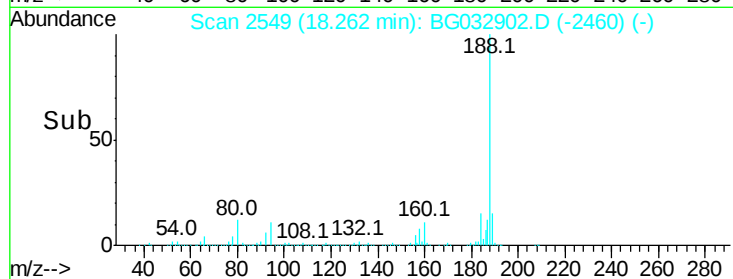
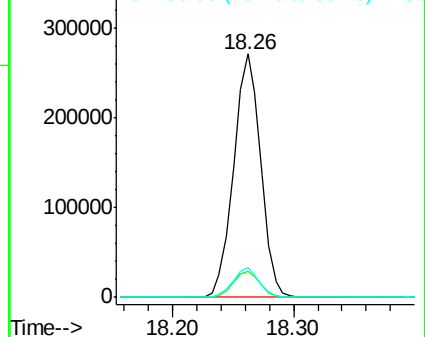
80 12.0 7.7 11.5#



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: 5.850 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.38 min

Lab File: BG032902.D

Acq: 1 Mar 2018 00:14

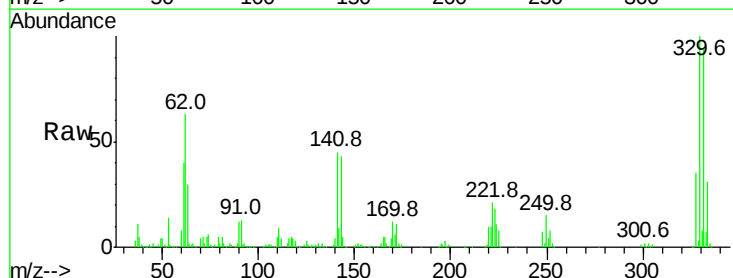
Tgt Ion:198 Resp: 899

Ion Ratio Lower Upper

198 100

51 136.7 30.6 70.6#

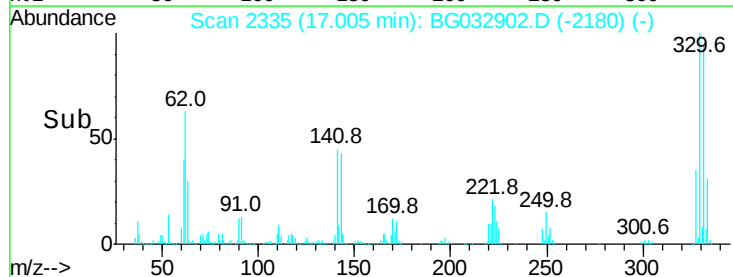
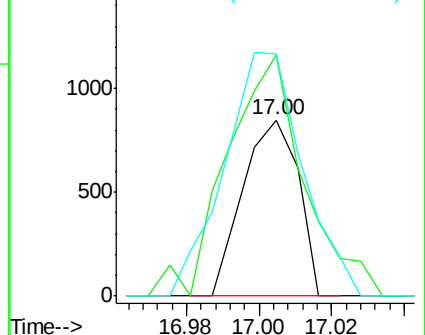
105 137.9 23.8 63.8#

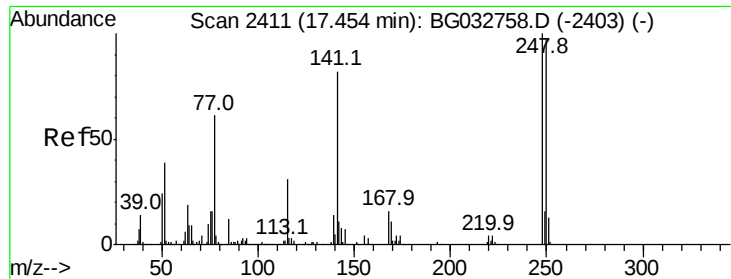


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

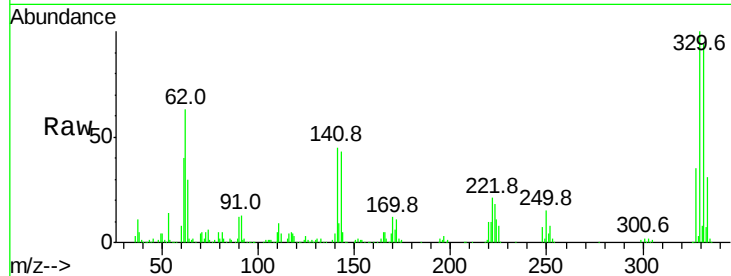




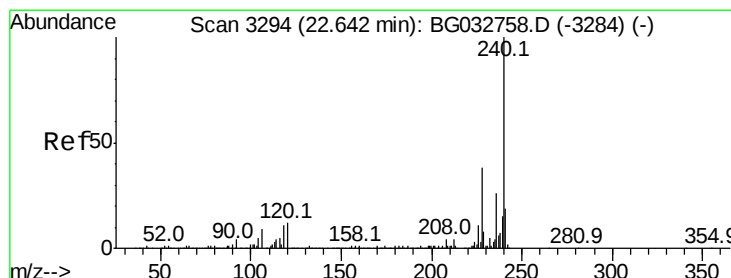
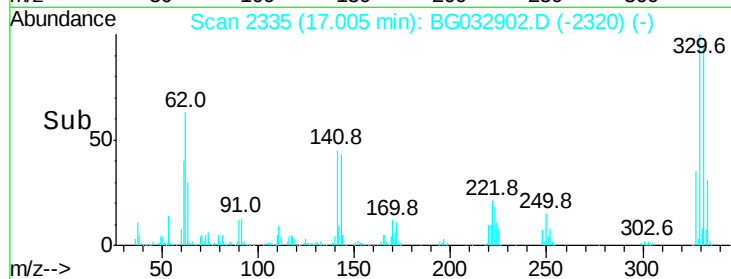
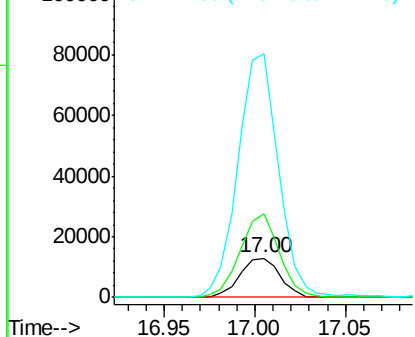
#66
4-Bromophenyl-phenylether
Concen: 4.460 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.44 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 19970
Ion Ratio Lower Upper
248 100
250 213.3 77.1 115.7#
141 622.2 50.8 76.2#

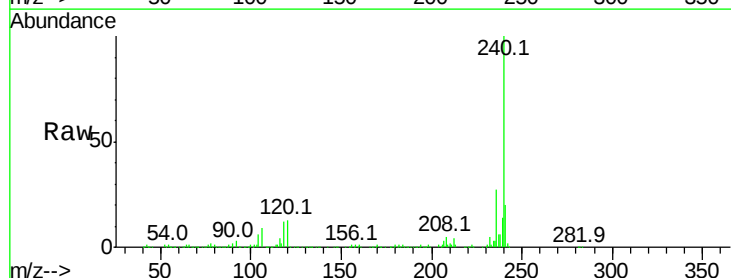


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

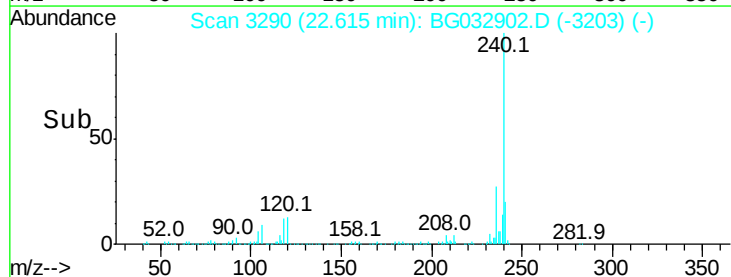
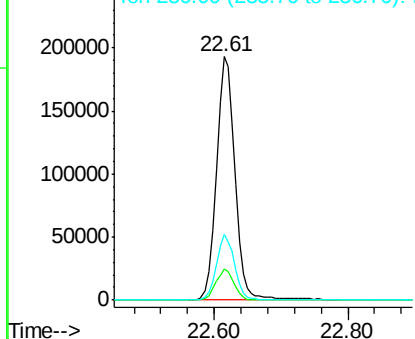


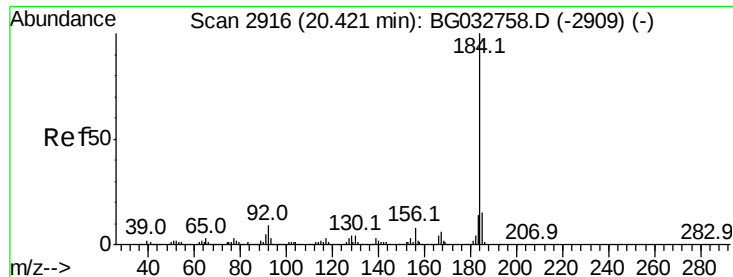
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3290
Delta R.T. -0.02 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Tgt Ion:240 Resp: 377178
Ion Ratio Lower Upper
240 100
120 13.0 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

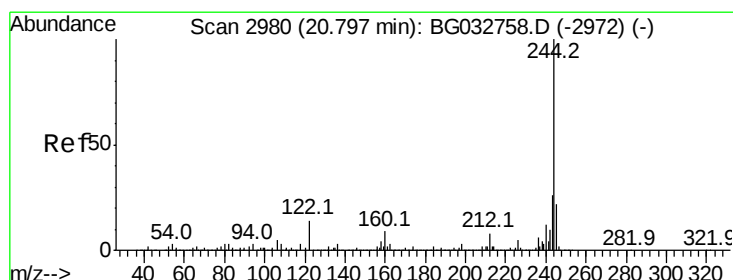
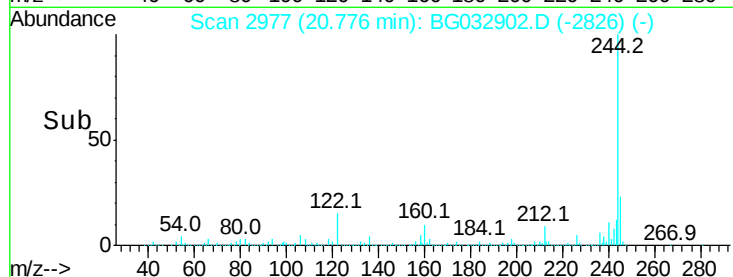
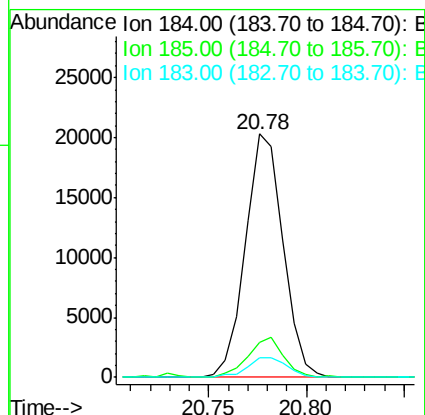
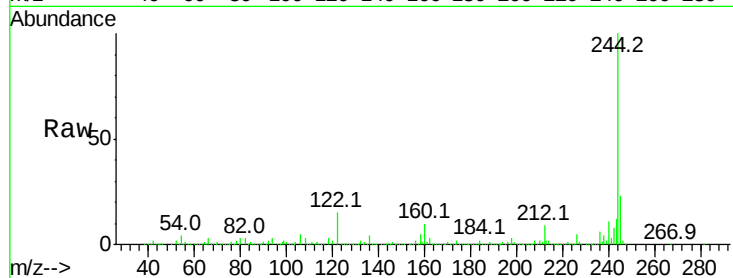




#76
Benzidine
Concen: 2.105 ng
RT: 20.78 min Scan# 2977
Delta R.T. 0.36 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

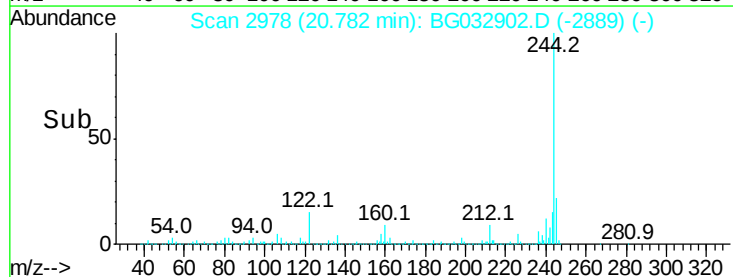
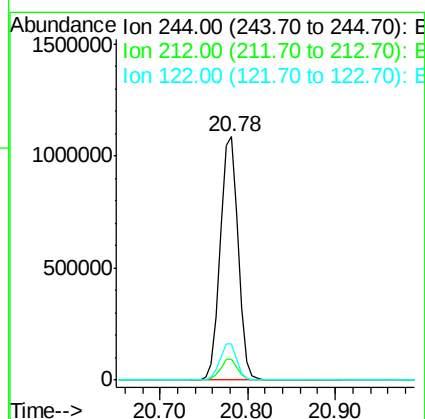
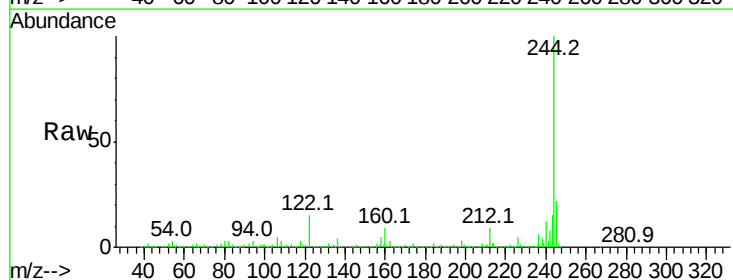
Instrument :
BNA_G
ClientSampleId :

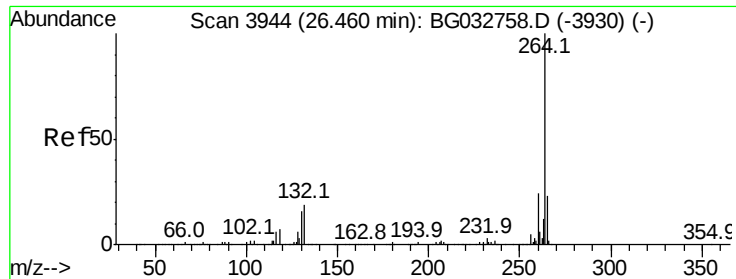
Tot Ion:184 Resp: 27062
Ion Ratio Lower Upper
184 100
185 14.4 11.1 16.7
183 8.2 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.351 ng
RT: 20.78 min Scan# 2978
Delta R.T. -0.01 min
Lab File: BG032902.D
Acq: 1 Mar 2018 00:14

Tgt Ion:244 Resp: 1550377
Ion Ratio Lower Upper
244 100
212 8.8 5.8 8.8
122 14.7 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.43 min Scan# 3939
 Delta R.T. -0.01 min
 Lab File: BG032902.D
 Acq: 1 Mar 2018 00:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.7	17.7	26.5

