

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032956.D
 Acq On : 2 Mar 2018 21:40
 Operator : SJ/JU
 Sample : PB107009BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 23:36:40 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

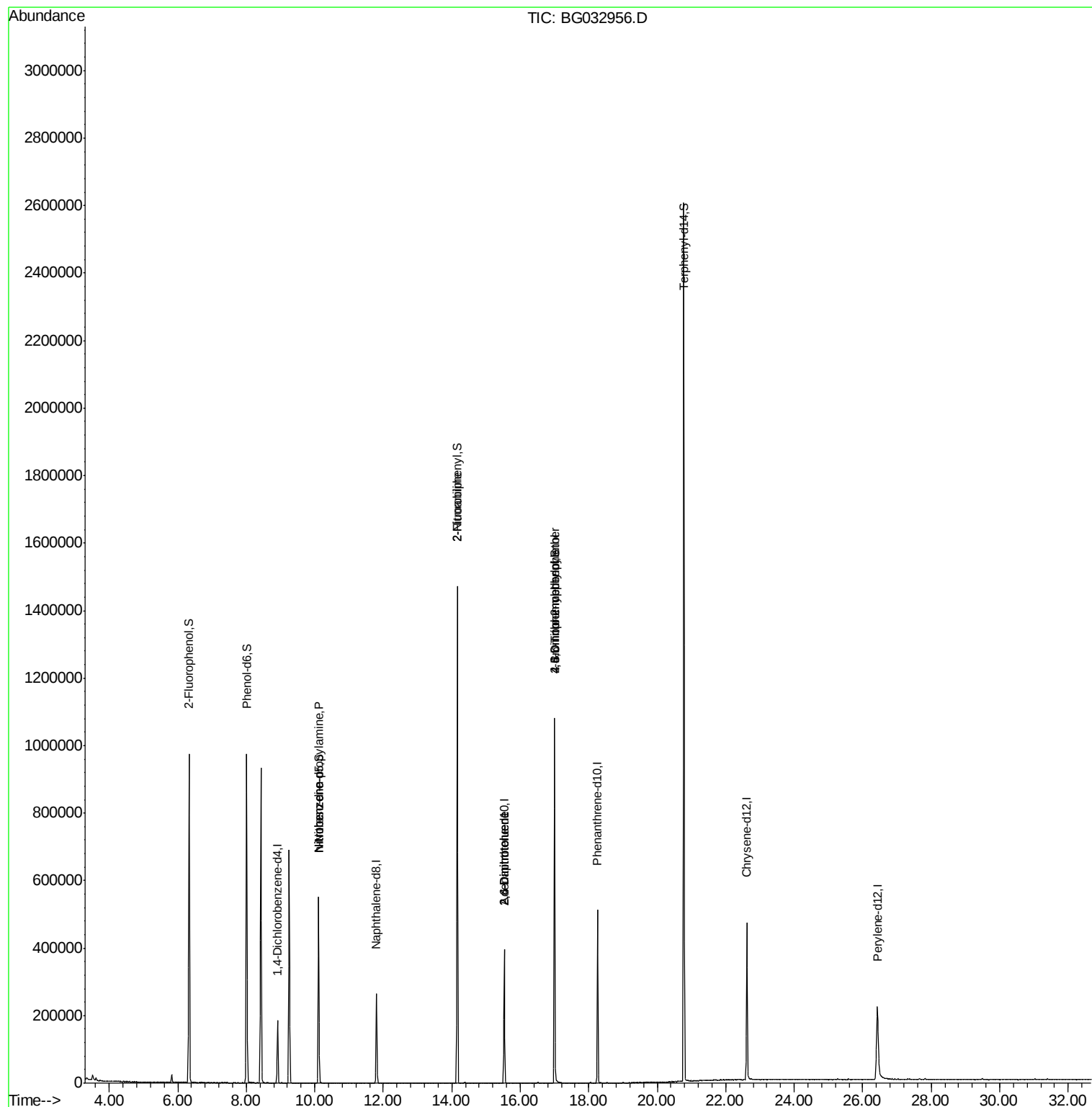
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	55481	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	237921	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	135100	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	323120	20.00	ng	0.00
75) Chrysene-d12	22.61	240	307039	20.00	ng	0.00
86) Perylene-d12	26.43	264	303189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	453567	130.79	ng	0.00
7) Phenol-d6	8.01	99	602129	124.57	ng	0.00
23) Nitrobenzene-d5	10.11	82	349428	99.95	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	186702	131.43	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	781235	83.40	ng	0.00
78) Terphenyl-d14	20.78	244	1185607	86.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	44537	13.051	ng	# 84
24) Nitrobenzene	10.12	77	974	6.603	ng	# 49
47) 2-Nitroaniline	14.16	65	1240	10.279	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	18059	16.646	ng	# 20
56) 2,4-Dinitrotoluene	15.53	165	18059	14.846	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	617	5.760	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	13711	4.013	ng	# 1

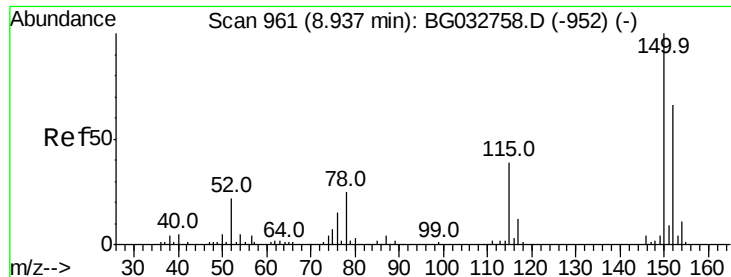
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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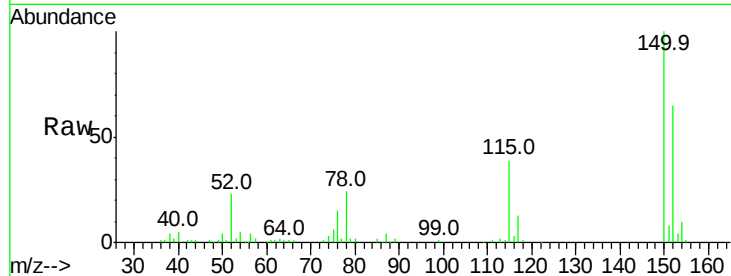


#1

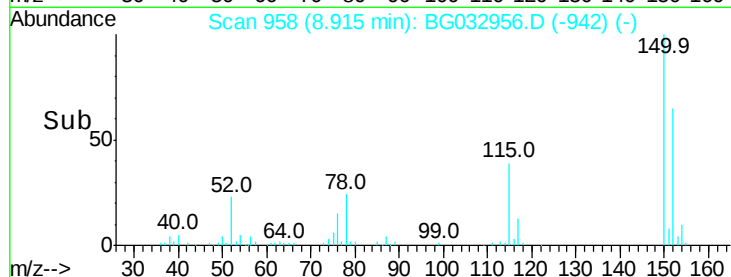
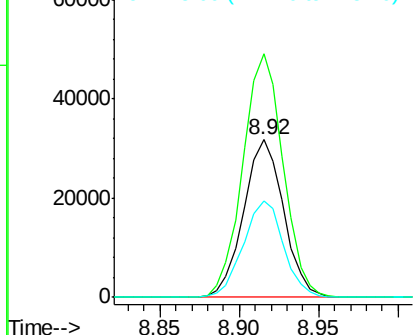
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55481
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 60.8 53.0 79.4



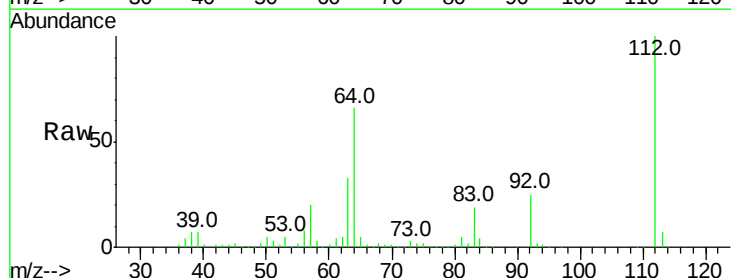
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



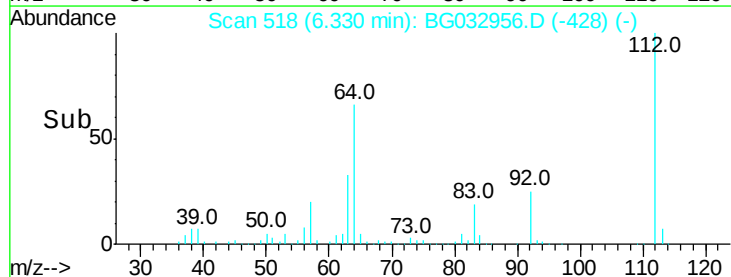
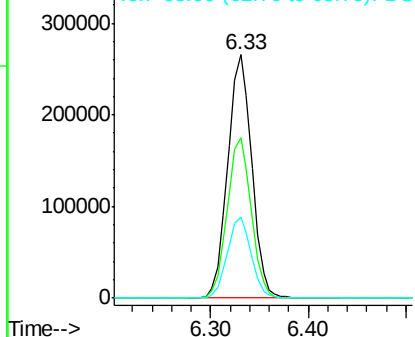
#5

2-Fluorophenol
Concen: 130.791 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

Tgt Ion:112 Resp: 453567
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 33.3 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: 124.568 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampled :

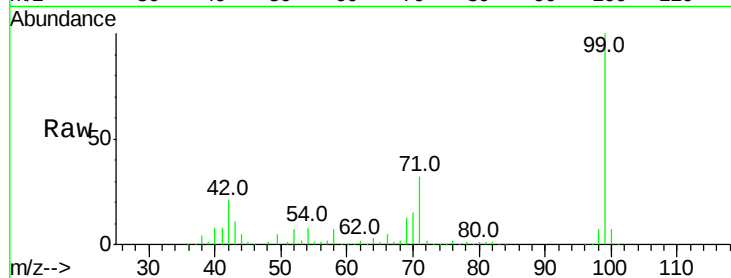
Tot Ion: 99 Resp: 602129

Ion Ratio Lower Upper

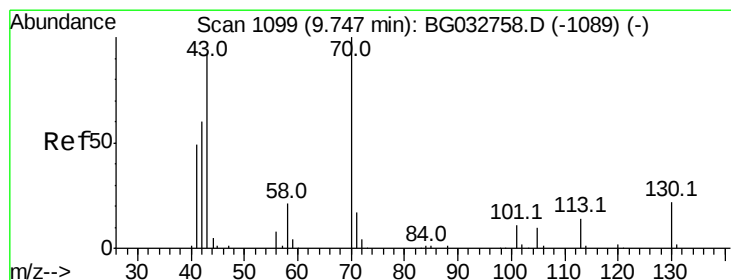
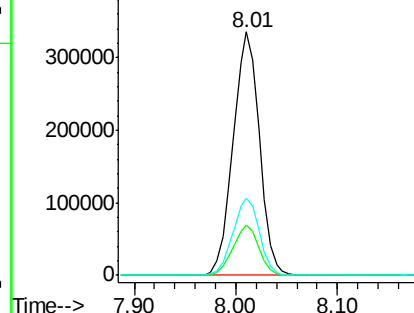
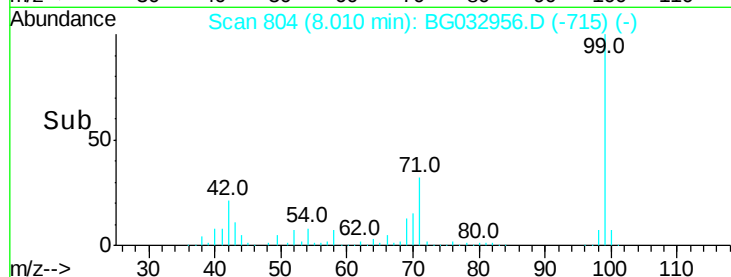
99 100

42 20.6 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: 13.051 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Tgt Ion: 70 Resp: 44537

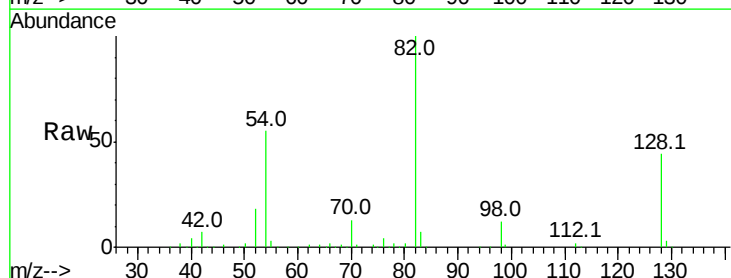
Ion Ratio Lower Upper

70 100

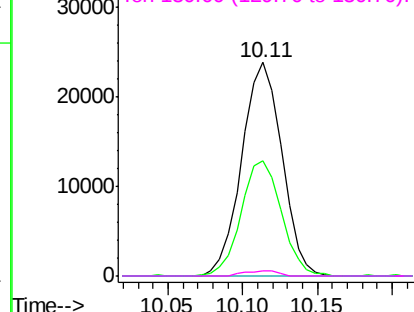
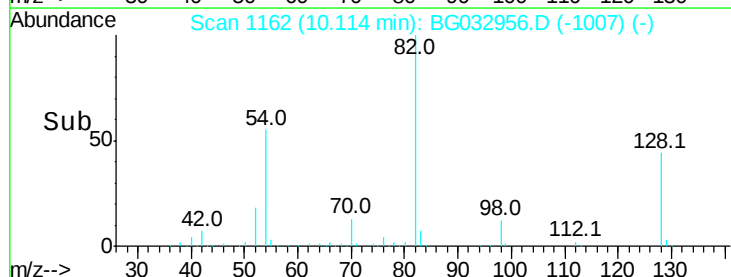
42 54.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.7 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

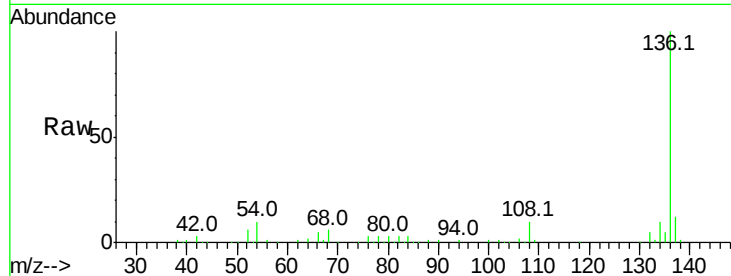




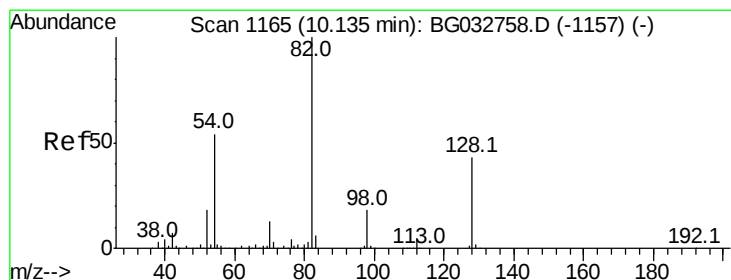
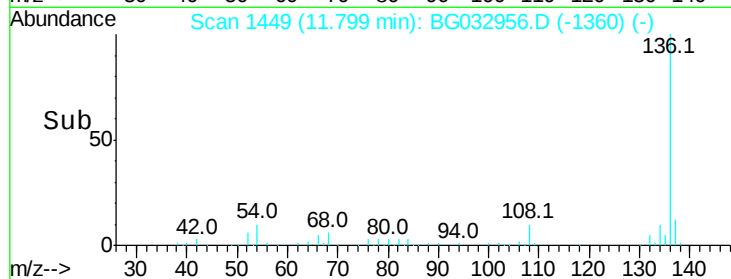
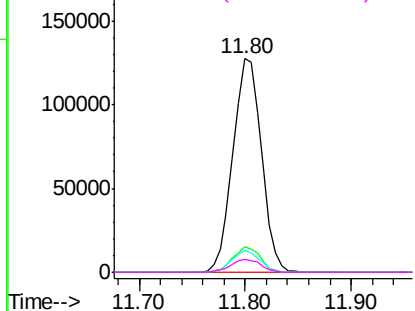
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	237921
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.2 13.8
54	10.2	10.3 15.5
68	6.0	4.5 6.7

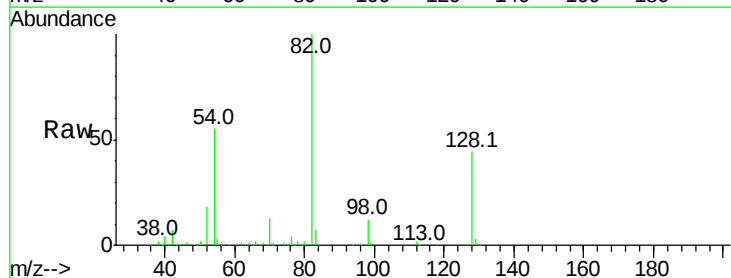


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

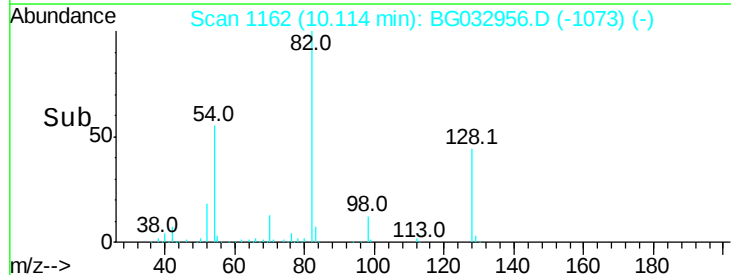
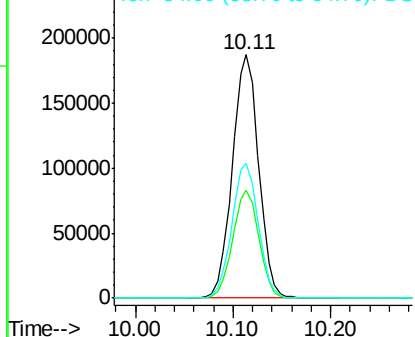


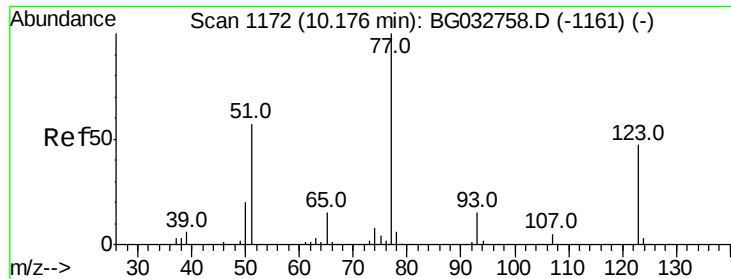
#23
Nitrobenzene-d5
Concen: 99.946 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

Tgt Ion: 82	Resp:	349428
Ion	Ratio	Lower Upper
82	100	
128	44.2	29.7 44.5
54	55.4	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

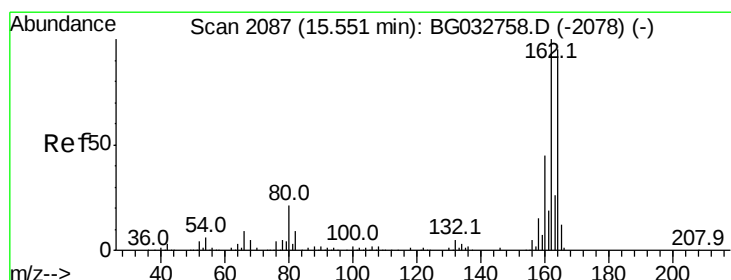
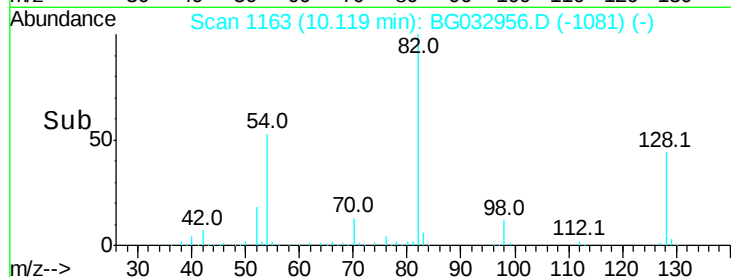
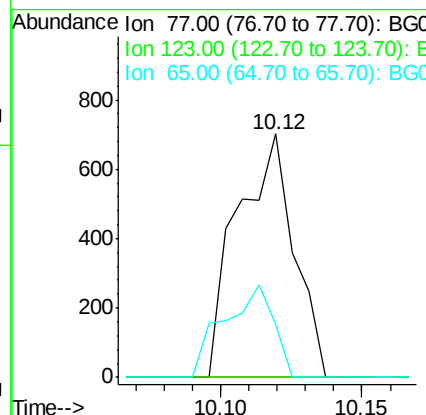
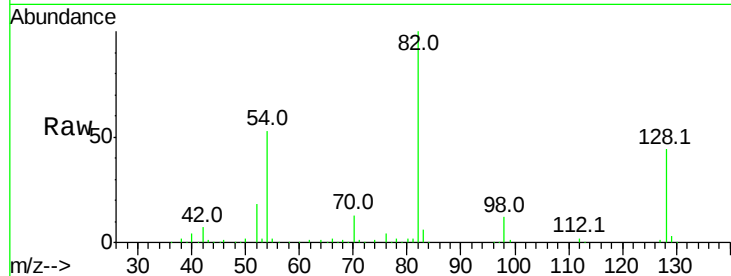




#24
Nitrobenzene
Concen: 6.603 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.05 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

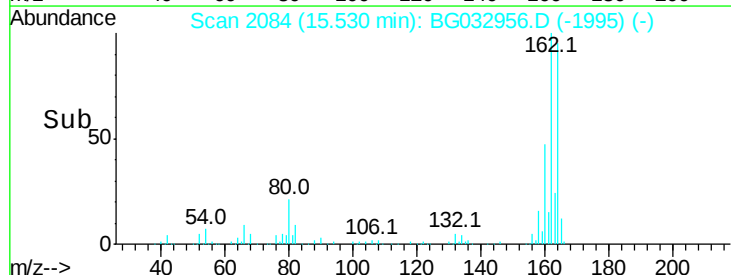
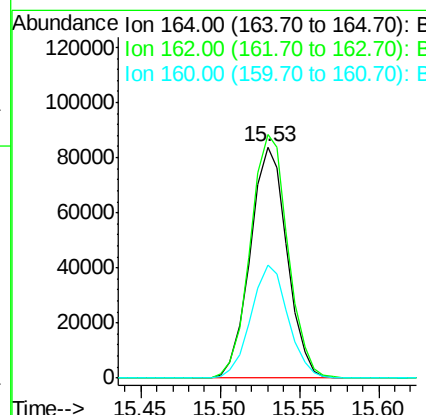
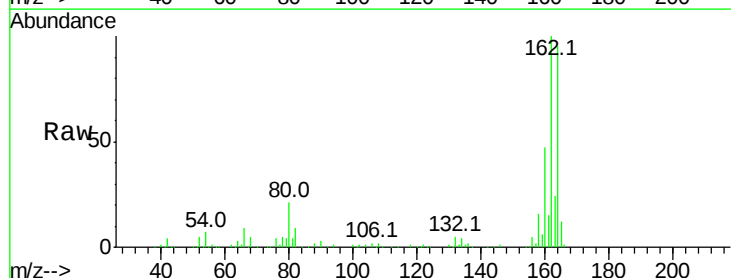
Instrument :
BNA_G
ClientSampled :

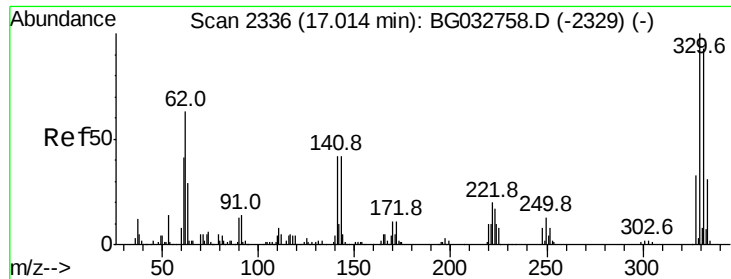
Tot Ion: 77 Resp: 974
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 21.5 13.0 19.6#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BG032956.D
Acq: 2 Mar 2018 21:40

Tgt Ion:164 Resp: 135100
Ion Ratio Lower Upper
164 100
162 105.3 78.8 118.2
160 49.0 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 131.431 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampled :

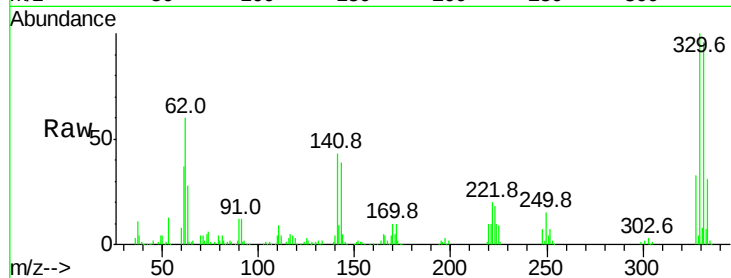
Tot Ion:330 Resp: 186702

Ion Ratio Lower Upper

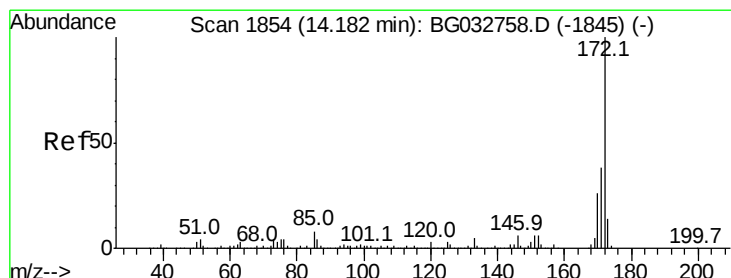
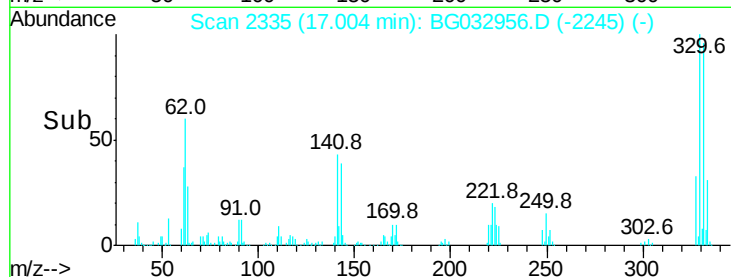
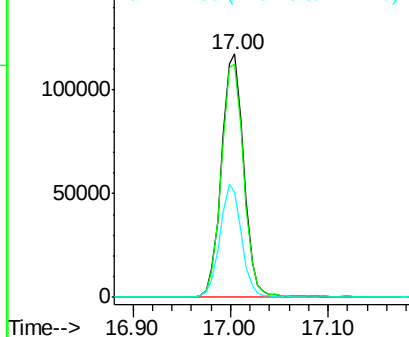
330 100

332 96.6 77.0 115.6

141 45.0 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: 83.400 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

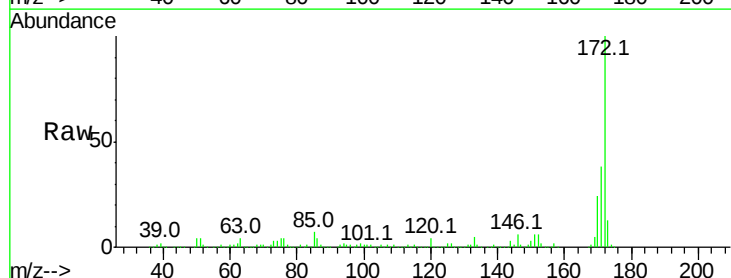
Tgt Ion:172 Resp: 781235

Ion Ratio Lower Upper

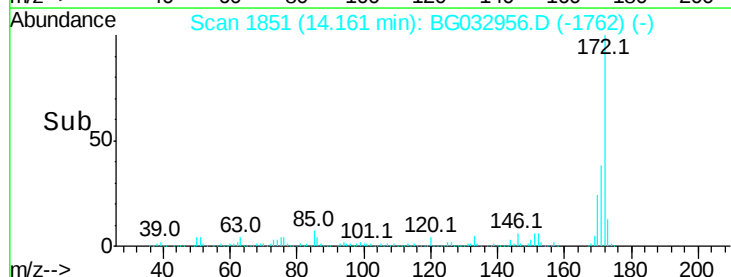
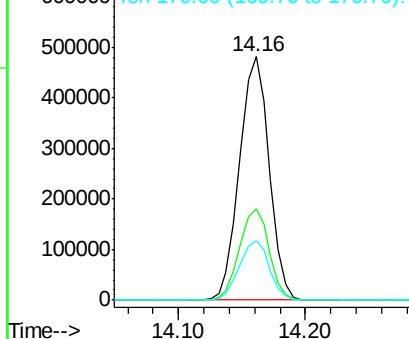
172 100

171 37.6 30.0 45.0

170 24.1 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: 10.279 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.46 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampled :

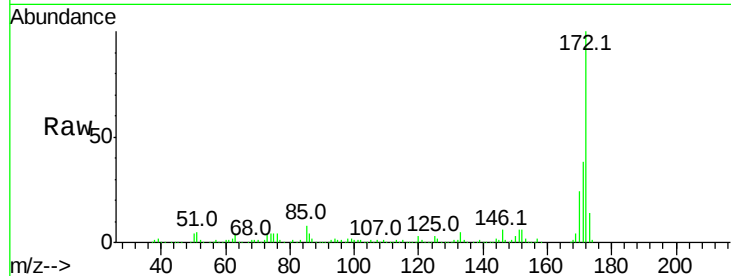
Tot Ion: 65 Resp: 1240

Ion Ratio Lower Upper

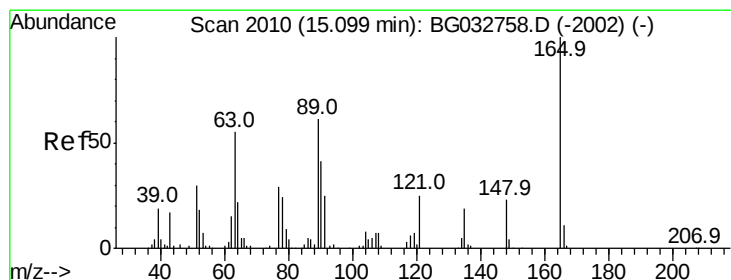
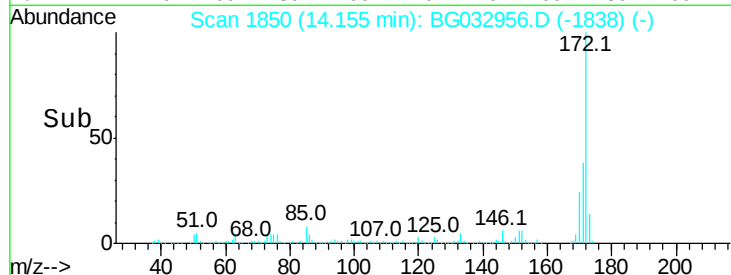
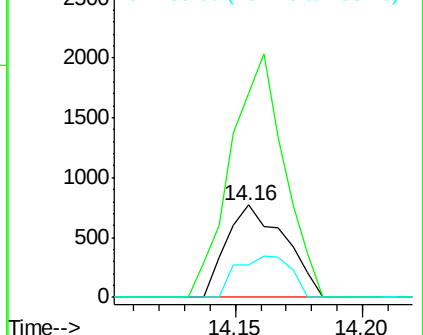
65 100

92 220.9 54.6 82.0#

138 35.8 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: 16.646 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

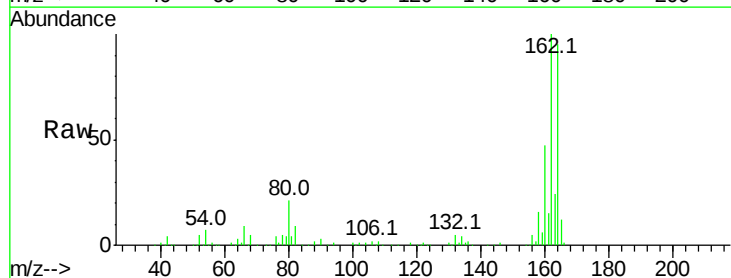
Tgt Ion:165 Resp: 18059

Ion Ratio Lower Upper

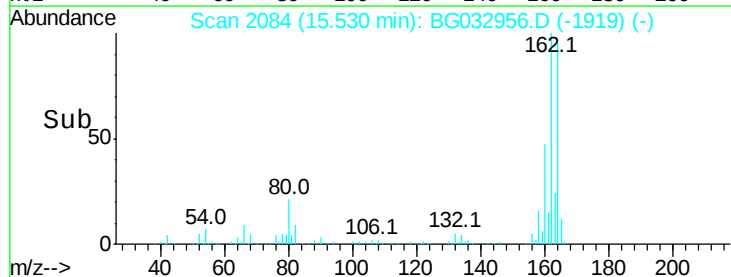
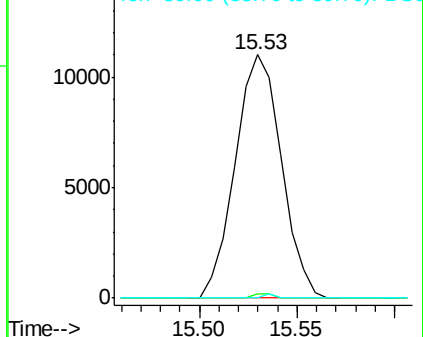
165 100

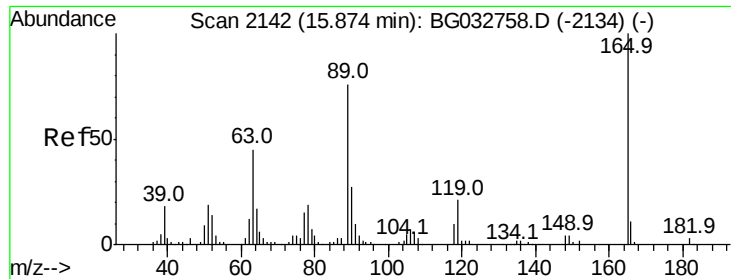
63 1.9 52.7 79.1#

89 0.0 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

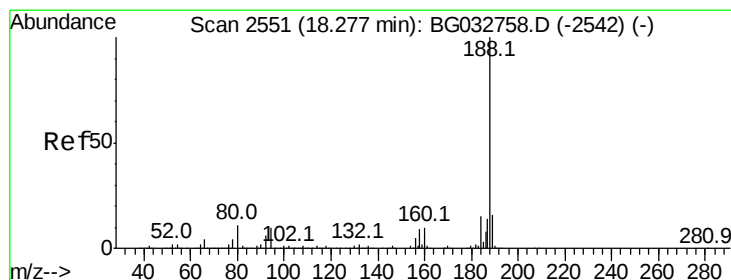
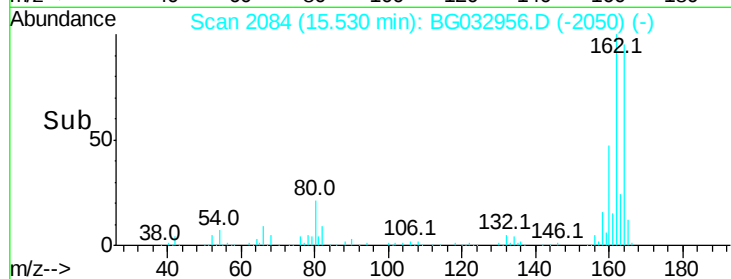
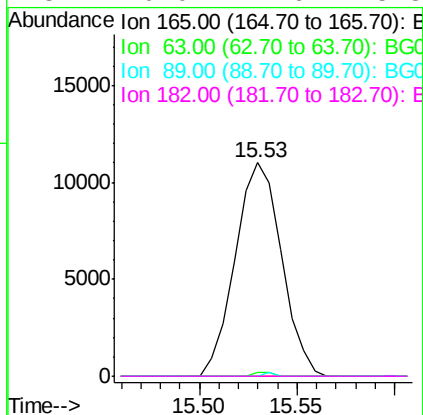
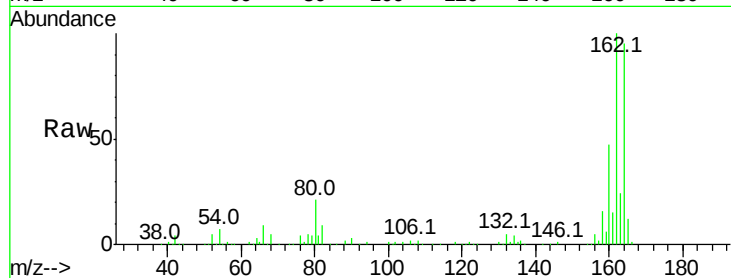




#56
 2,4-Dinitrotoluene
 Concen: 14.846 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032956.D
 Acq: 2 Mar 2018 21:40

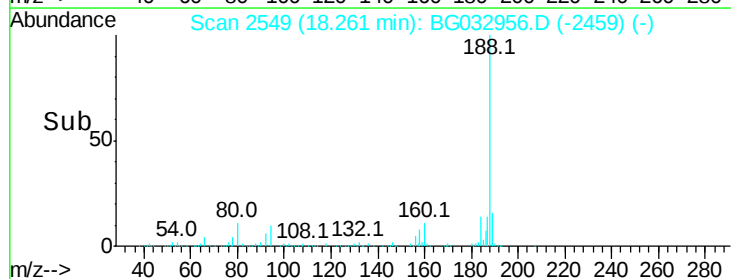
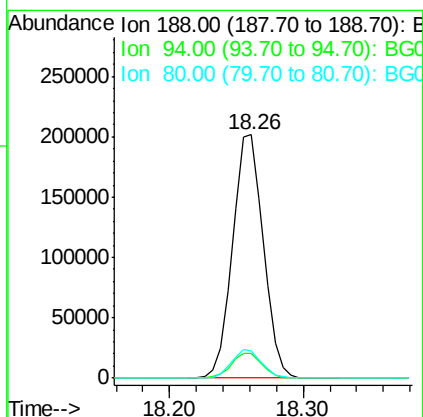
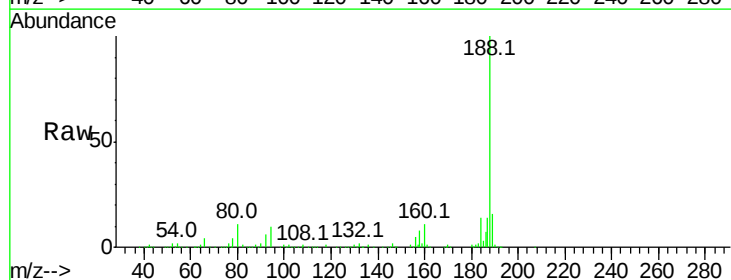
Instrument :
 BNA_G
 ClientSampleId :

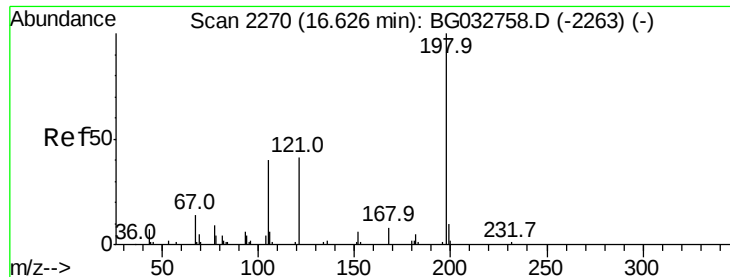
Tot Ion:	165	Resp:	18059
Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032956.D
 Acq: 2 Mar 2018 21:40

Tgt Ion:	188	Resp:	323120
Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.9	10.3
80	11.2	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.760 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.39 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

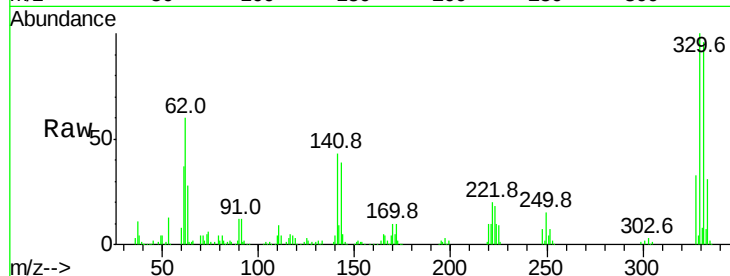
Tot Ion:198 Resp: 617

Ion Ratio Lower Upper

198 100

51 121.6 30.6 70.6#

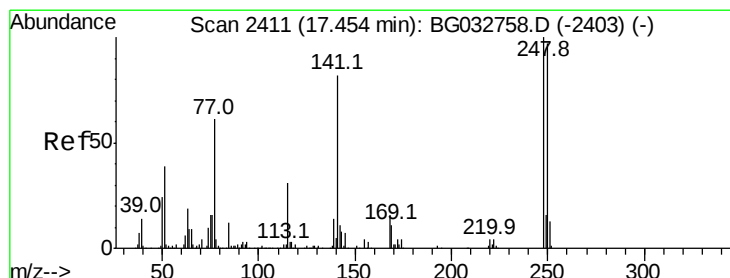
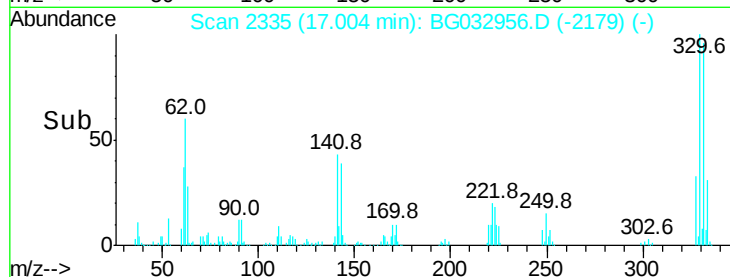
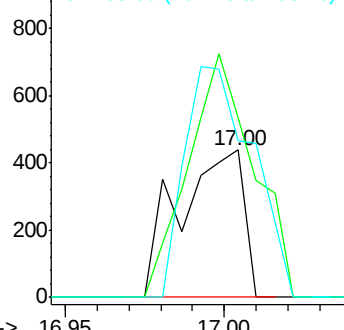
105 106.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.013 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

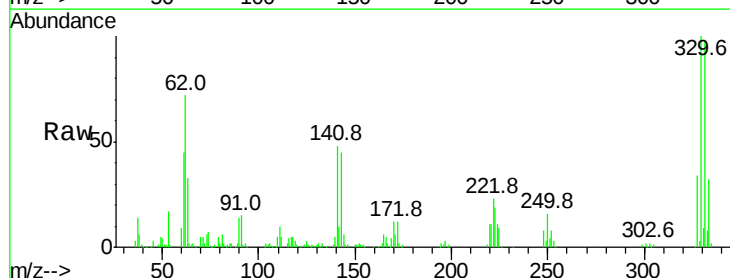
Tgt Ion:248 Resp: 13711

Ion Ratio Lower Upper

248 100

250 185.5 77.1 115.7#

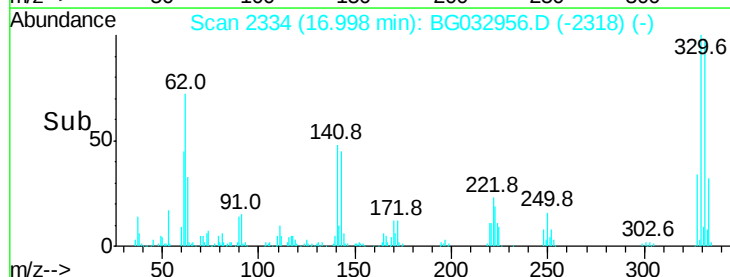
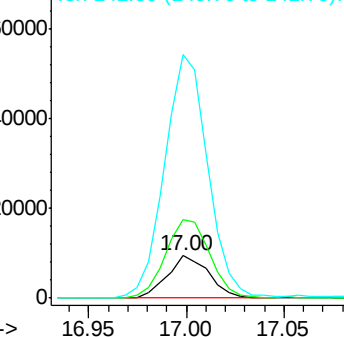
141 577.3 50.8 76.2#

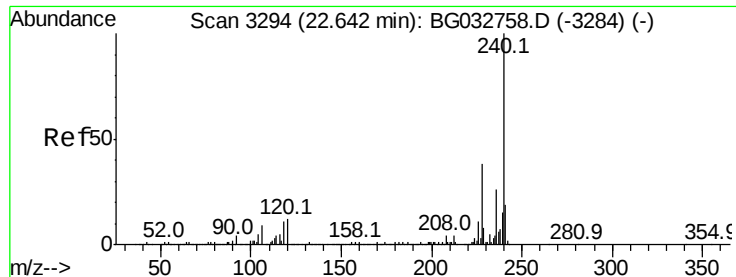


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

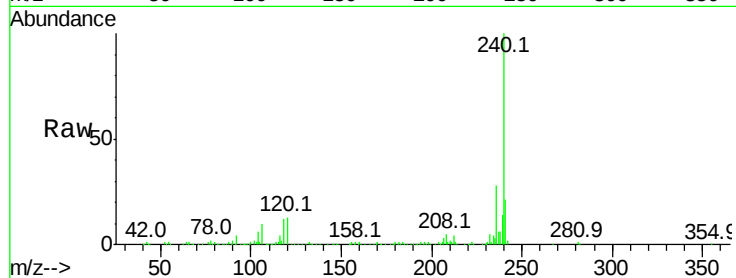
Tot Ion:240 Resp: 307039

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

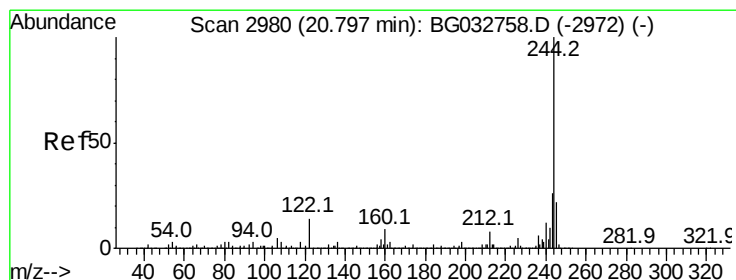
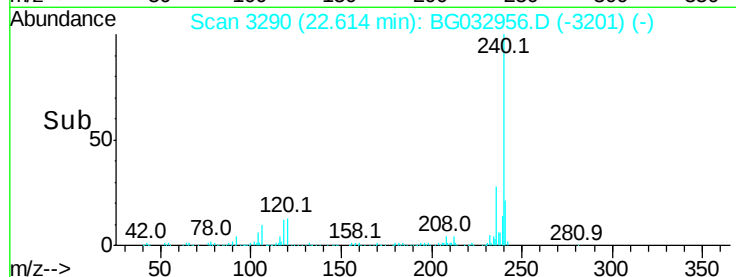
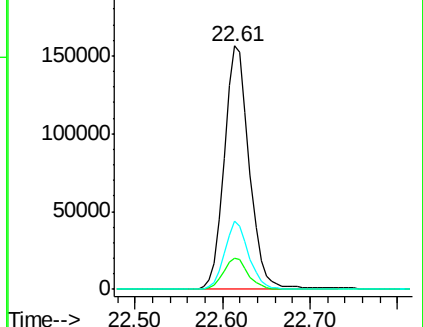
236 28.0 20.9 31.3



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



#78

Terphenyl-d14

Concen: 86.756 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

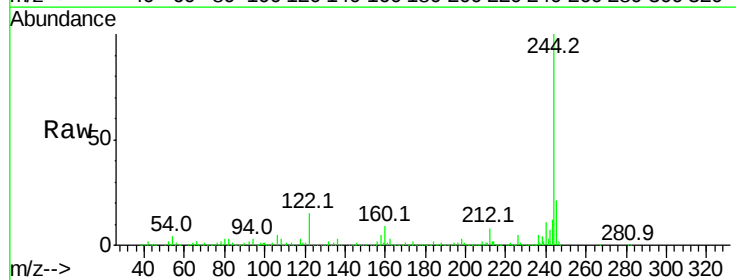
Tgt Ion:244 Resp: 1185607

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

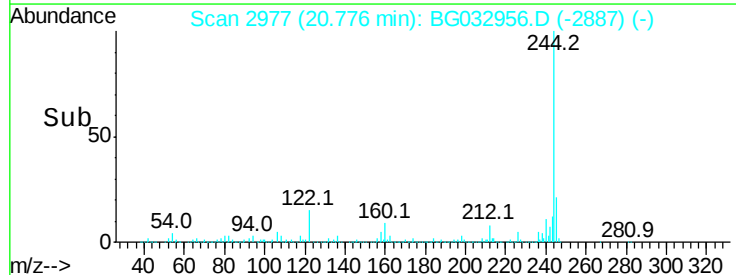
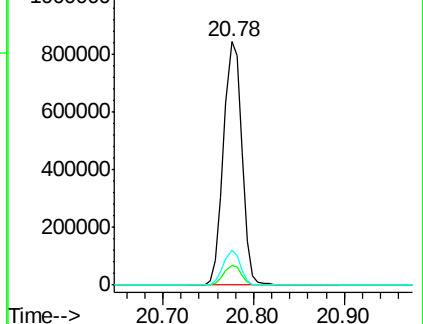
122 14.5 7.0 10.4#

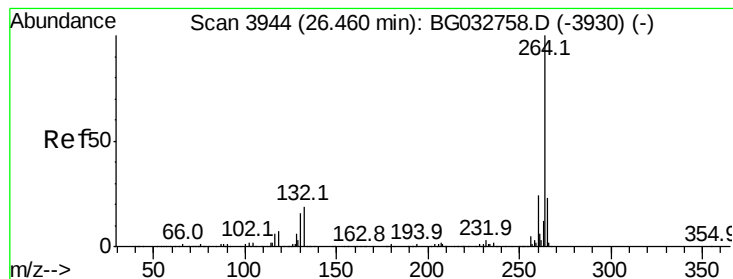


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. 0.00 min

Lab File: BG032956.D

Acq: 2 Mar 2018 21:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 303189

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 22.0 17.7 26.5

