

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032895.D
 Acq On : 28 Feb 2018 19:50
 Operator : SJ/JU
 Sample : J1699-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 01:27:40 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

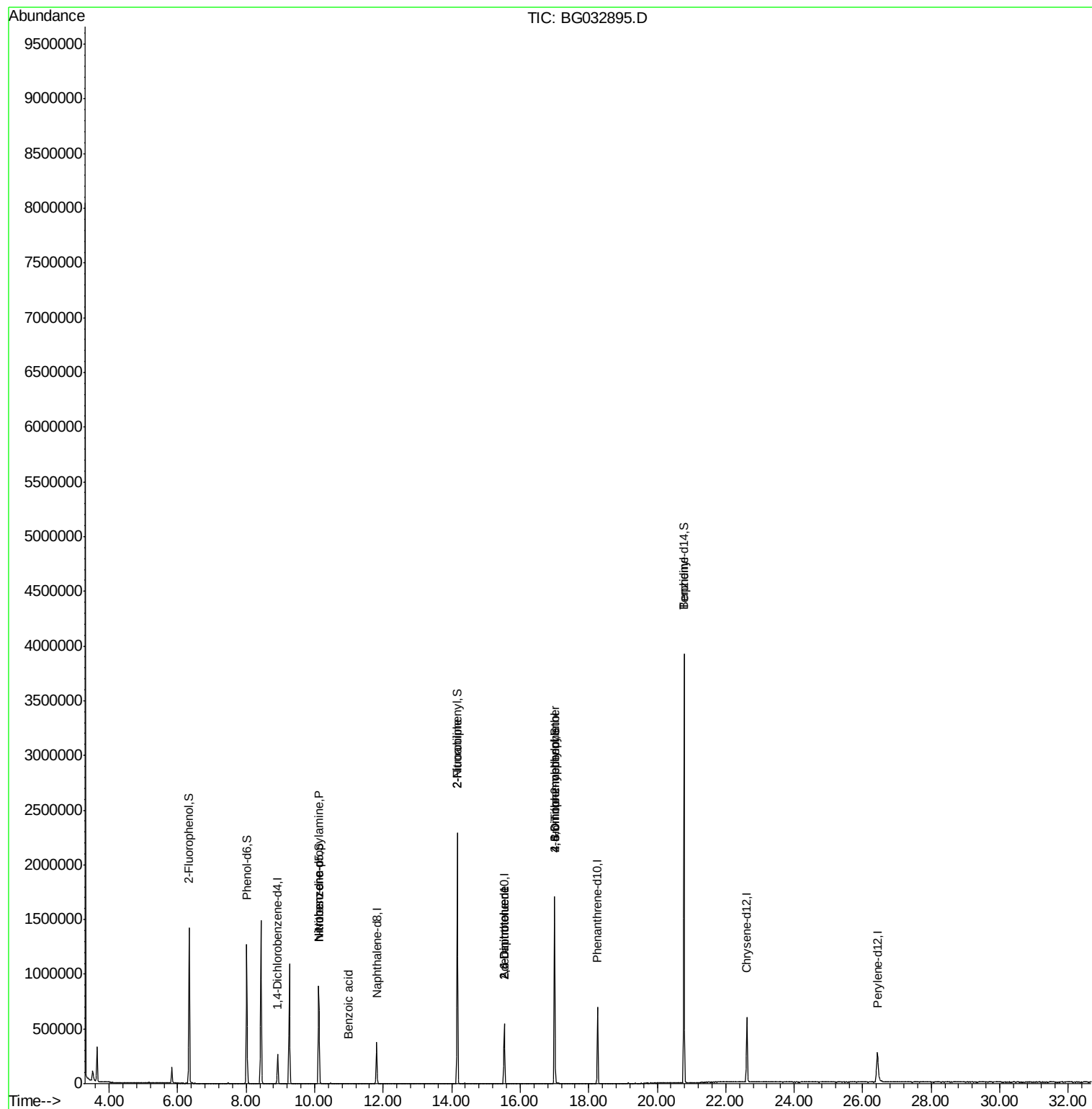
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	80646	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	344478	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	191974	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	421272	20.00	ng	0.00
75) Chrysene-d12	22.62	240	388726	20.00	ng	-0.01
86) Perylene-d12	26.43	264	381837	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	680563	135.01	ng	0.00
7) Phenol-d6	8.01	99	818428	116.48	ng	0.00
23) Nitrobenzene-d5	10.12	82	573687	112.00	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	301204	149.22	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1200048	90.16	ng	0.00
78) Terphenyl-d14	20.78	244	1674479	96.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	73005	14.718	ng	# 82
24) Nitrobenzene	10.12	77	1866	6.675	ng	# 41
32) Benzoic acid	10.96	122	53	5.834	ng	# 1
47) 2-Nitroaniline	14.17	65	2186	10.386	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	24909	16.419	ng	# 20
56) 2,4-Dinitrotoluene	15.53	165	24909	14.617	ng	# 18
64) 4,6-Dinitro-2-methylphenol	17.00	198	1033	5.989	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	22220	4.988	ng	# 1
76) Benzidine	20.78	184	29743	2.245	ng	# 92

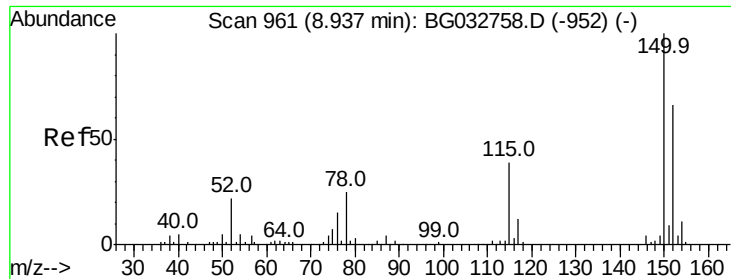
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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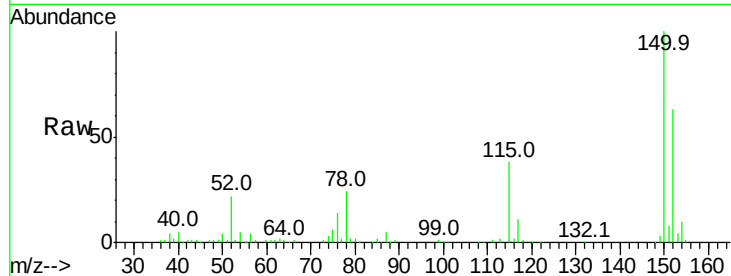


#1

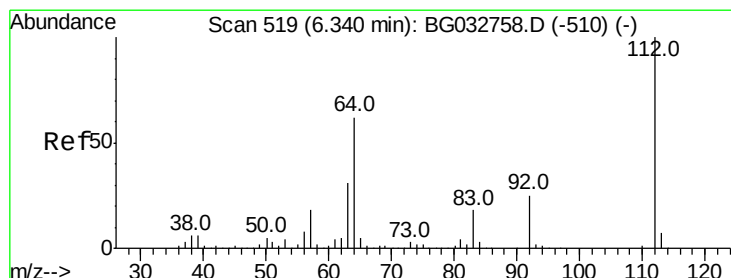
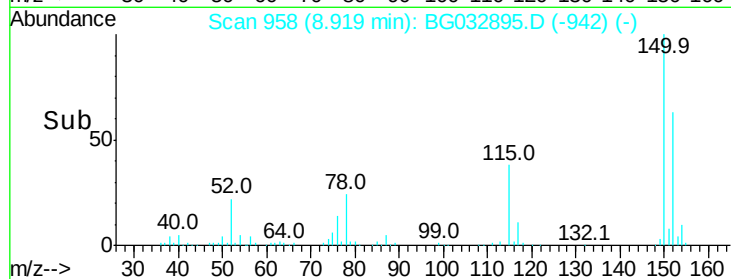
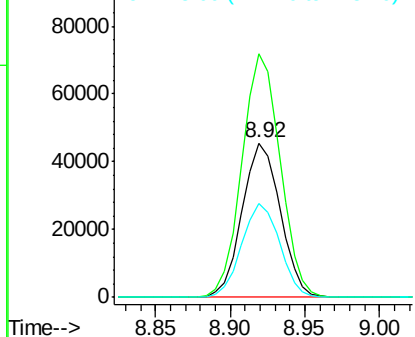
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.01 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 80646
Ion Ratio Lower Upper
152 100
150 157.6 126.6 189.8
115 60.4 53.0 79.4



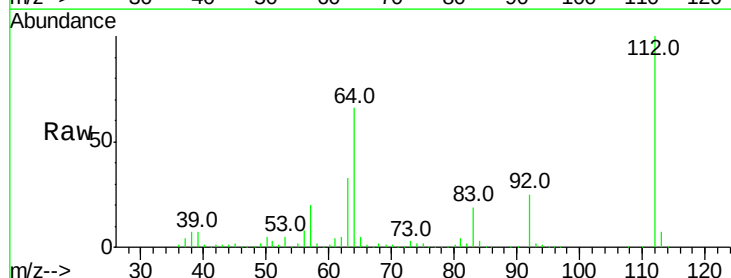
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



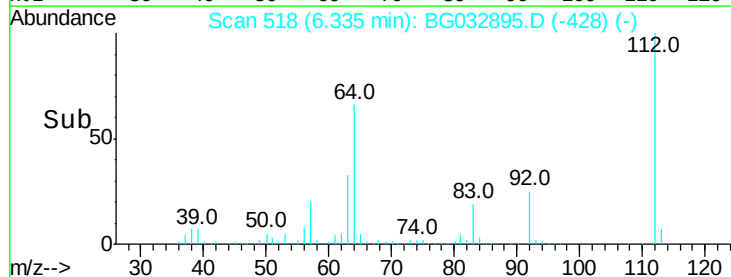
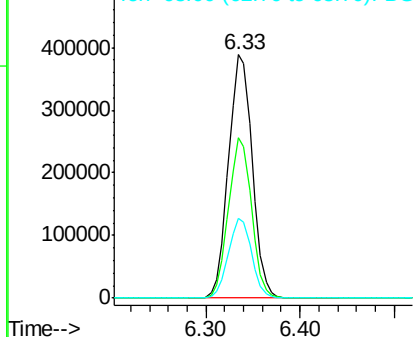
#5

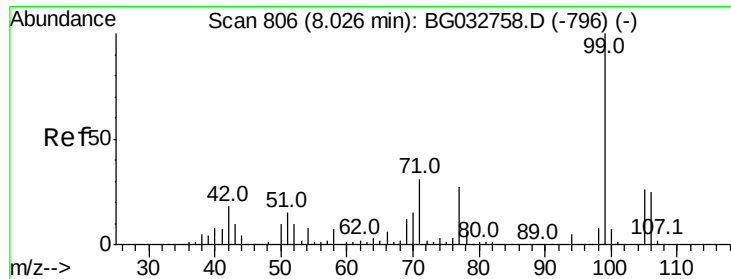
2-Fluorophenol
Concen: 135.010 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Tgt Ion:112 Resp: 680563
Ion Ratio Lower Upper
112 100
64 65.7 56.3 84.5
63 32.6 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: 116.482 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

Instrument :

BNA_G

ClientSampled :

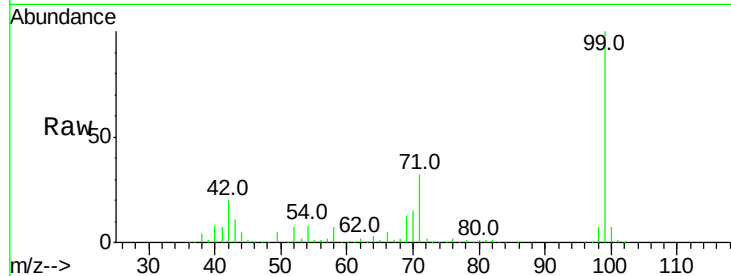
Tot Ion: 99 Resp: 818428

Ion Ratio Lower Upper

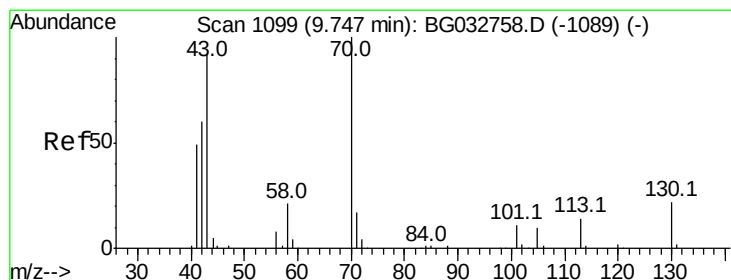
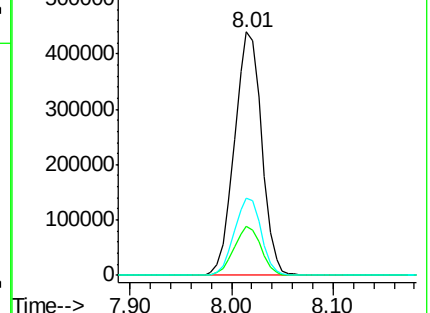
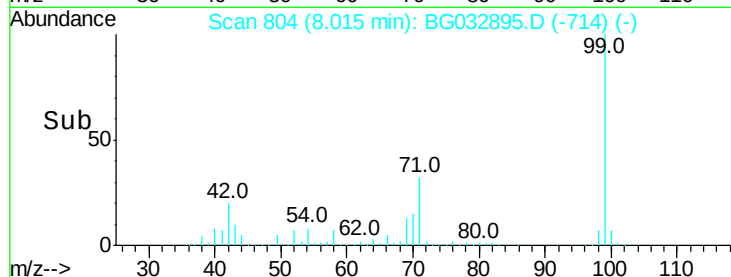
99 100

42 19.9 14.1 21.1

71 31.7 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: 14.718 ng

RT: 10.12 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

Tgt Ion: 70 Resp: 73005

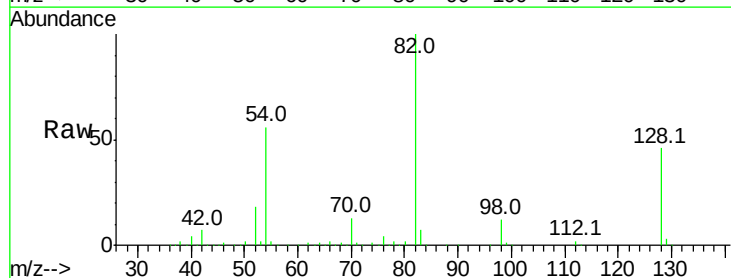
Ion Ratio Lower Upper

70 100

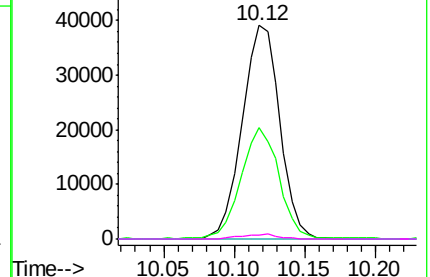
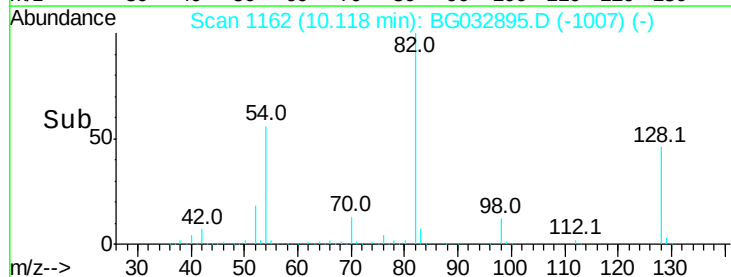
42 52.3 49.1 73.7

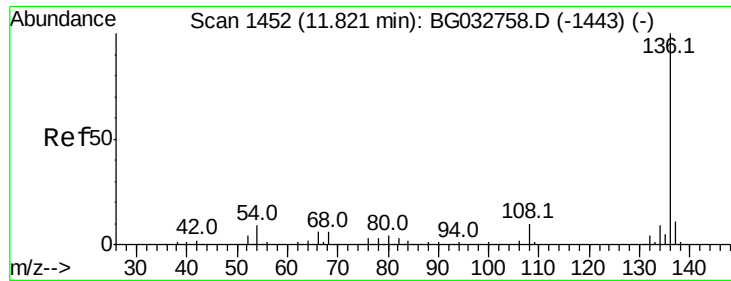
101 0.0 8.5 12.7#

130 2.1 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

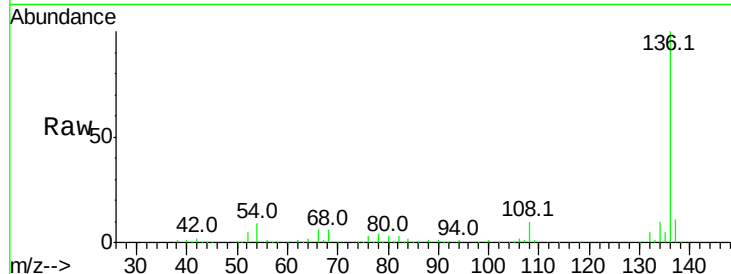




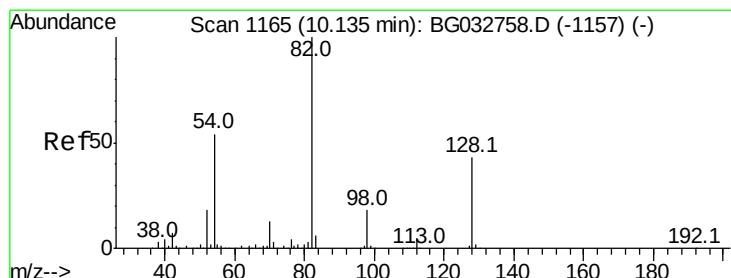
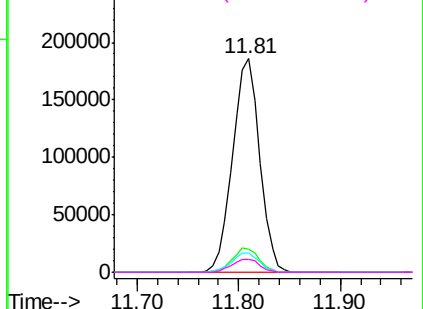
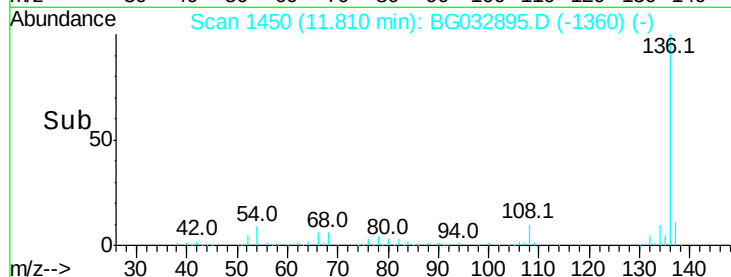
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136 Resp: 344478
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.1 10.3 15.5#
68 5.9 4.5 6.7

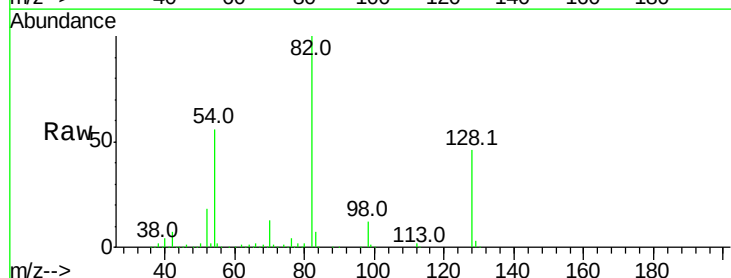


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

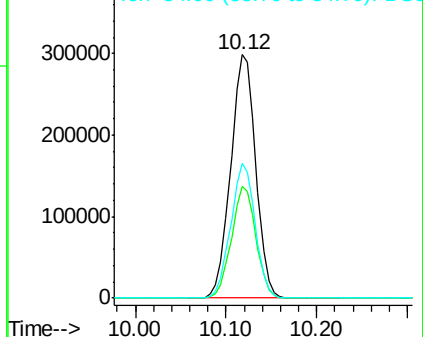
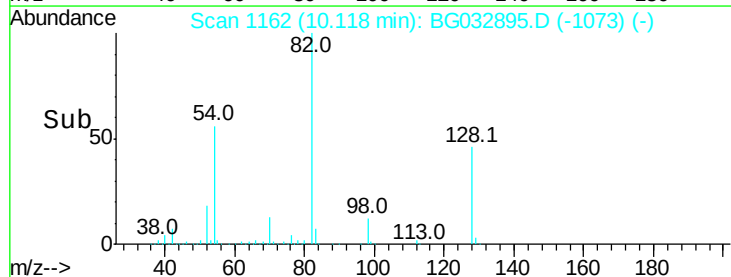


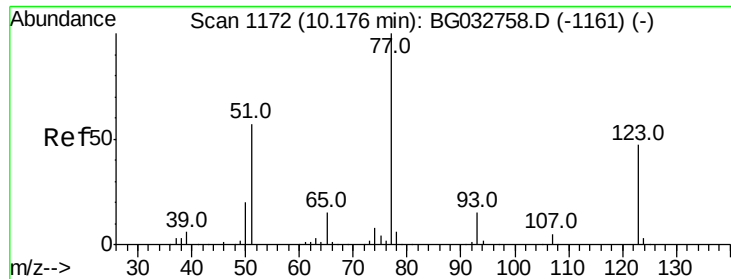
#23
Nitrobenzene-d5
Concen: 112.004 ng
RT: 10.12 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Tgt Ion: 82 Resp: 573687
Ion Ratio Lower Upper
82 100
128 45.7 29.7 44.5#
54 55.6 43.1 64.7



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

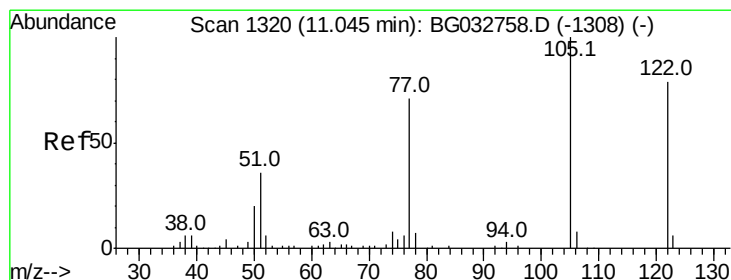
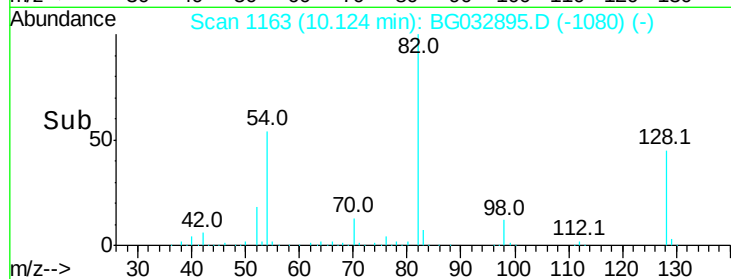
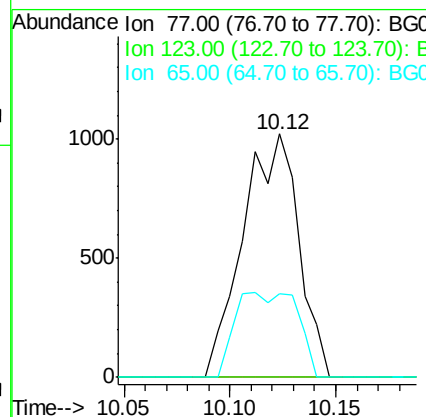
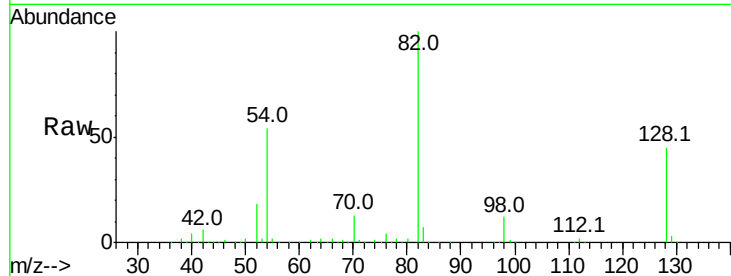




#24
 Nitrobenzene
 Concen: 6.675 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.04 min
 Lab File: BG032895.D
 Acq: 28 Feb 2018 19:50

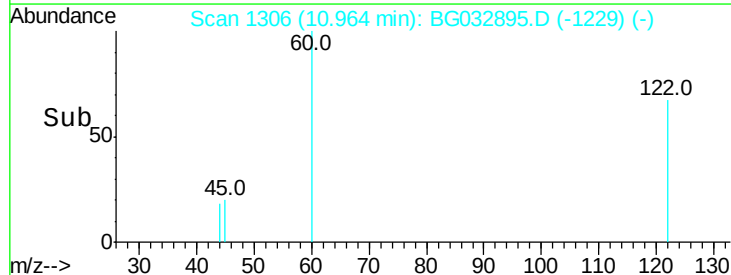
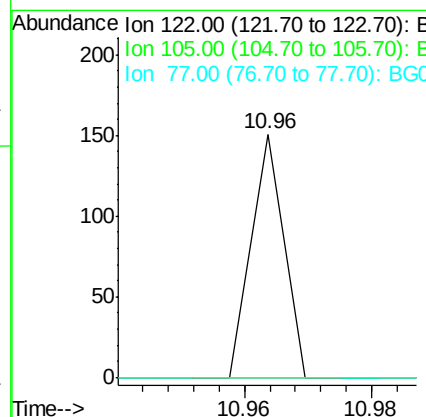
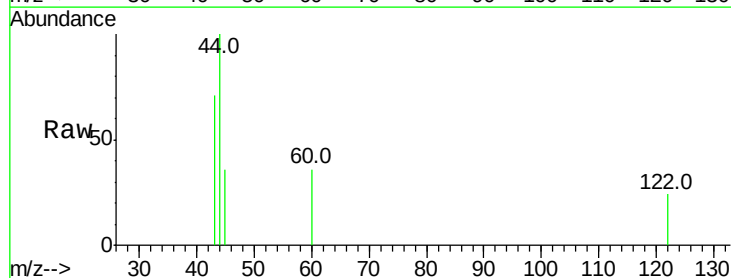
Instrument :
 BNA_G
 ClientSampleId :

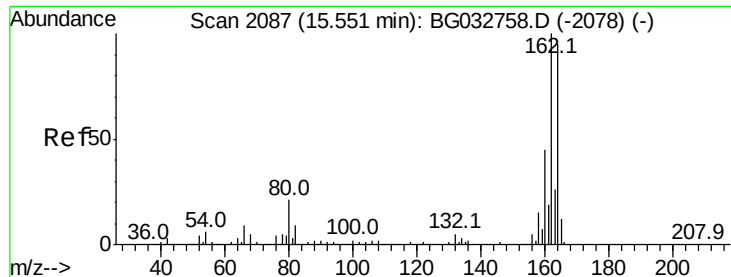
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	34.5	13.0	19.6#



#32
 Benzoic acid
 Concen: 5.834 ng
 RT: 10.96 min Scan# 1306
 Delta R.T. -0.08 min
 Lab File: BG032895.D
 Acq: 28 Feb 2018 19:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

Instrument :

BNA_G

ClientSampleId :

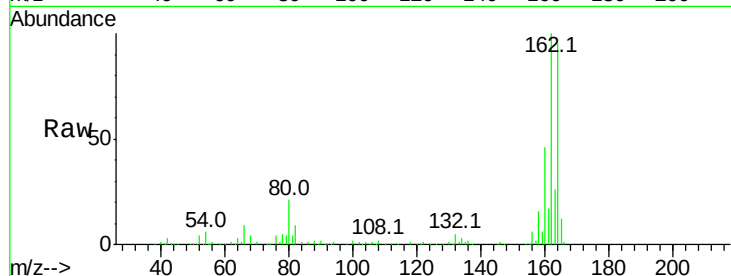
Tot Ion:164 Resp: 191974

Ion Ratio Lower Upper

164 100

162 105.2 78.8 118.2

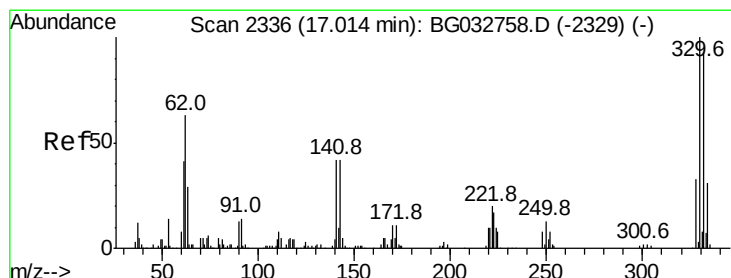
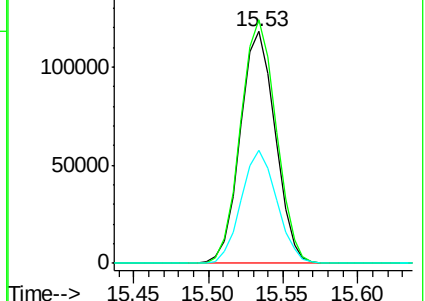
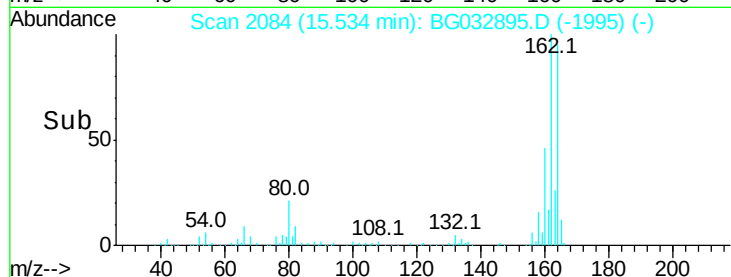
160 48.7 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 149.219 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

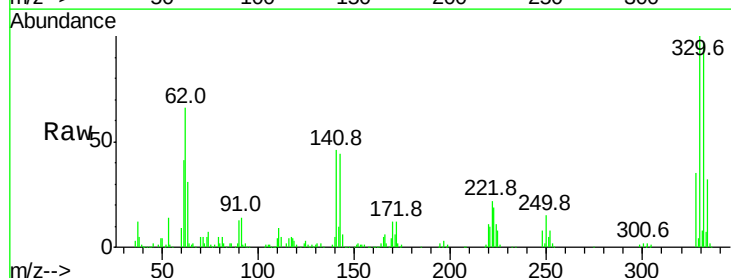
Tgt Ion:330 Resp: 301204

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

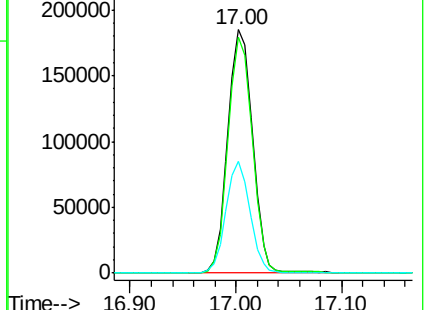
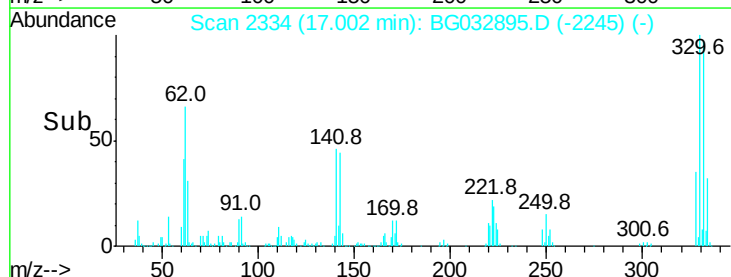
141 44.5 25.2 37.8#

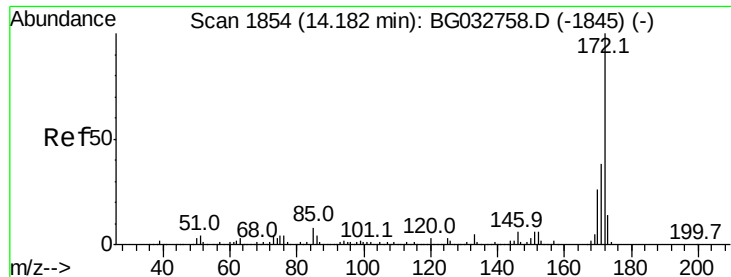


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

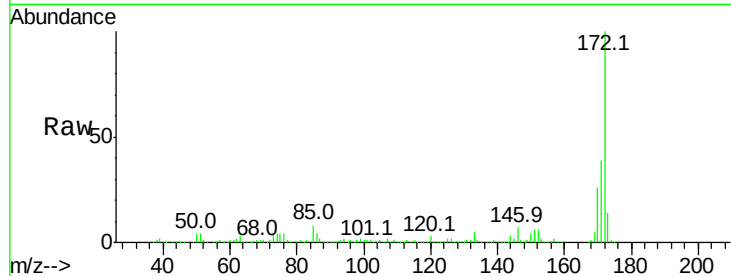




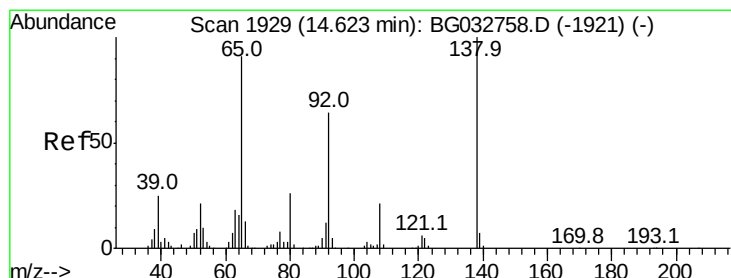
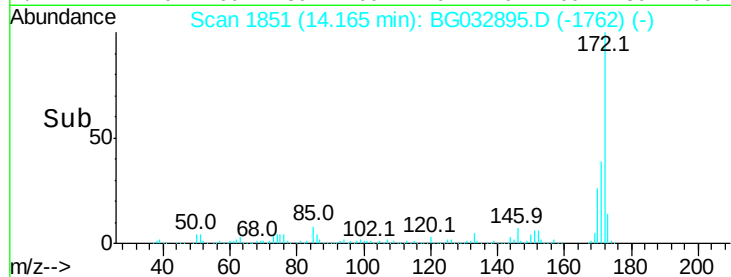
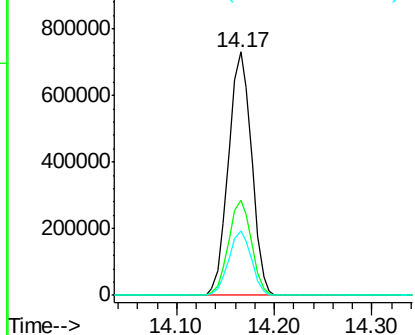
#44
 2-Fluorobiphenyl
 Concen: 90.157 ng
 RT: 14.17 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032895.D
 Acq: 28 Feb 2018 19:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:172 Resp: 1200048
 Ion Ratio Lower Upper
 172 100
 171 39.0 30.0 45.0
 170 26.2 19.5 29.3

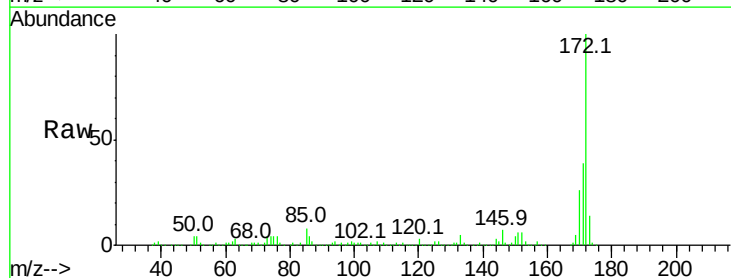


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

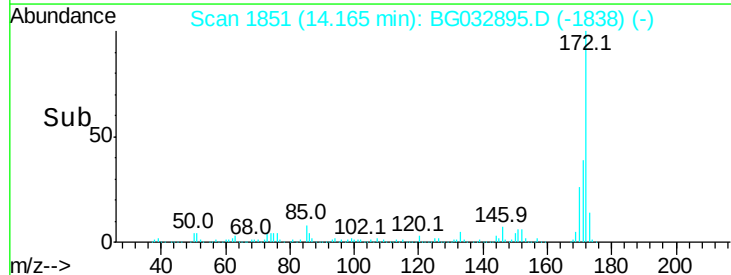
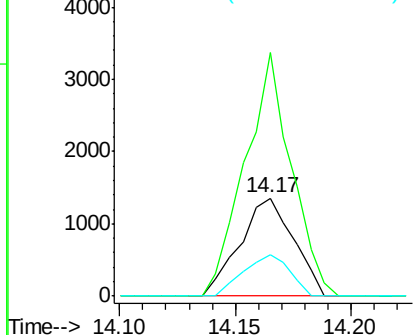


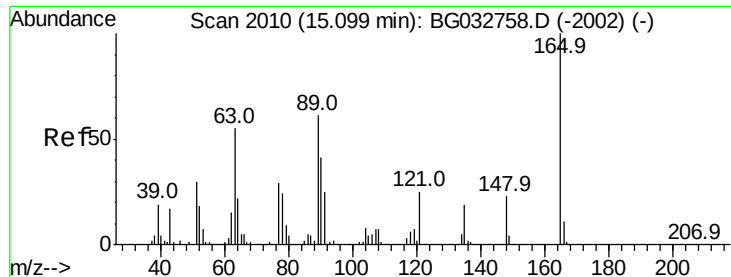
#47
 2-Nitroaniline
 Concen: 10.386 ng
 RT: 14.17 min Scan# 1851
 Delta R.T. -0.45 min
 Lab File: BG032895.D
 Acq: 28 Feb 2018 19:50

Tgt Ion: 65 Resp: 2186
 Ion Ratio Lower Upper
 65 100
 92 247.8 54.6 82.0#
 138 42.6 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): E

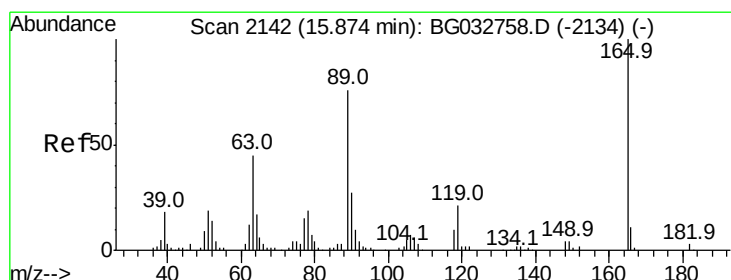
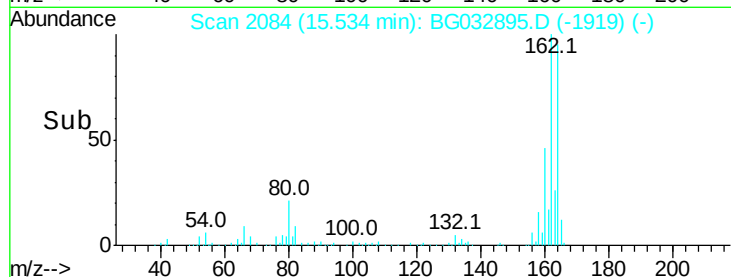
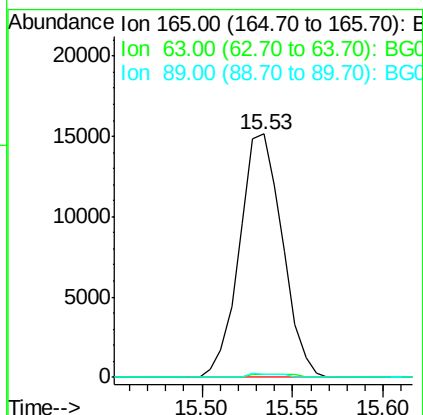
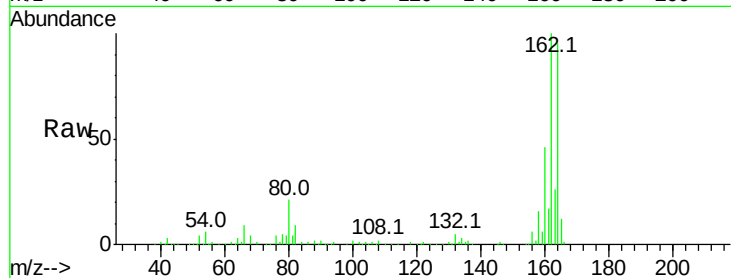




#50
2,6-Dinitrotoluene
Concen: 16.419 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

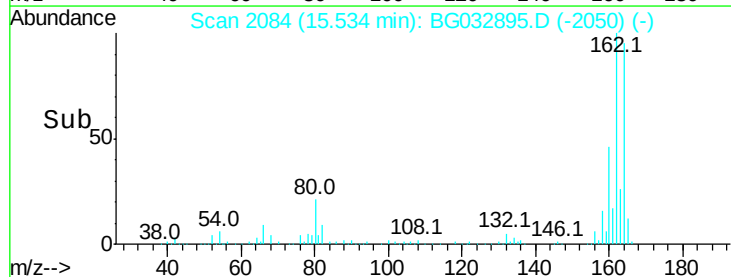
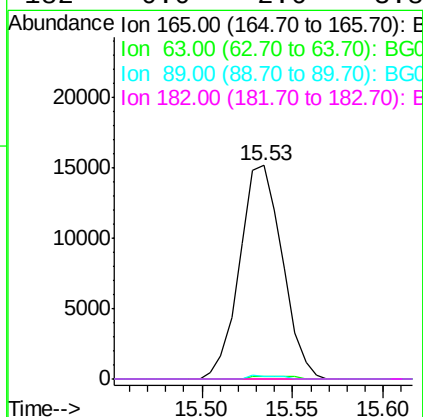
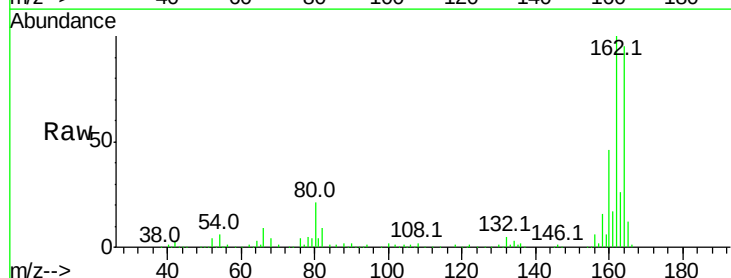
Instrument :
BNA_G
ClientSampleId :

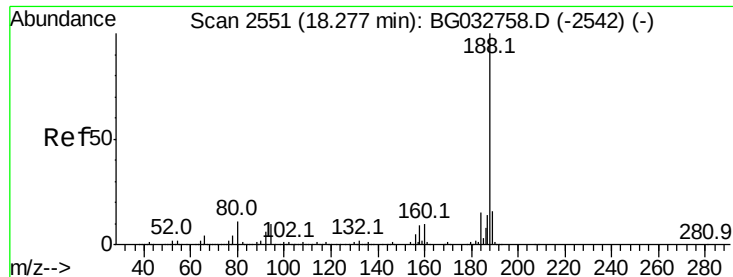
Tot Ion:165 Resp: 24909
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 1.2 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.617 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Tgt Ion:165 Resp: 24909
Ion Ratio Lower Upper
165 100
63 1.3 42.0 63.0#
89 1.2 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: BG032895.D

Acq: 28 Feb 2018 19:50

Instrument :

BNA_G

ClientSampleId :

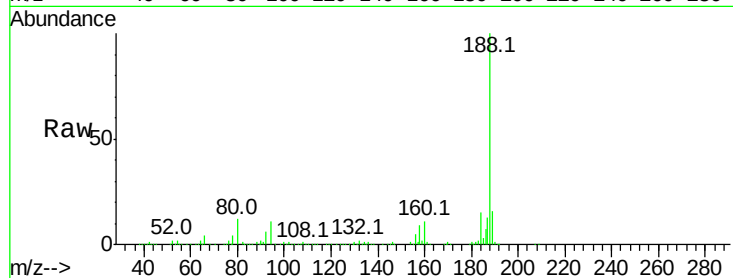
Tot Ion:188 Resp: 421272

Ion Ratio Lower Upper

188 100

94 10.8 6.9 10.3#

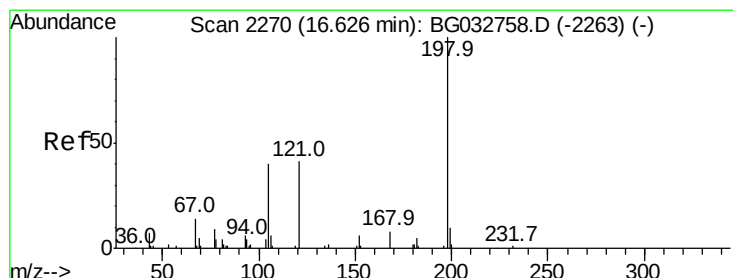
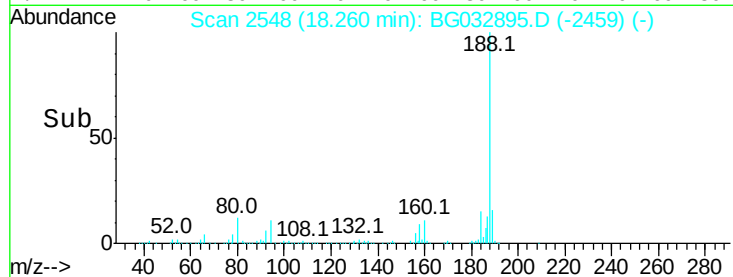
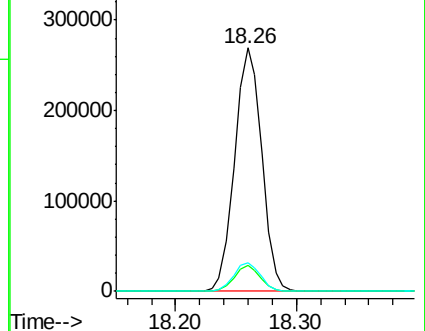
80 11.9 7.7 11.5#



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: 5.989 ng

RT: 17.00 min Scan# 2333

Delta R.T. 0.37 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

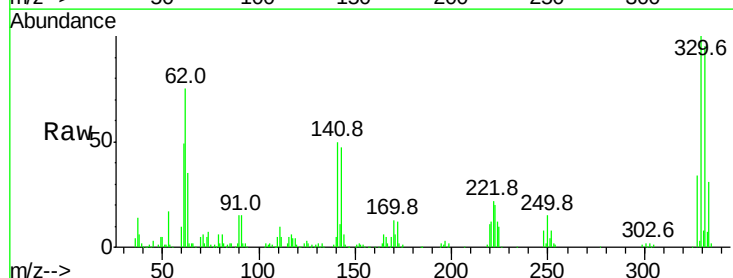
Tgt Ion:198 Resp: 1033

Ion Ratio Lower Upper

198 100

51 161.5 30.6 70.6#

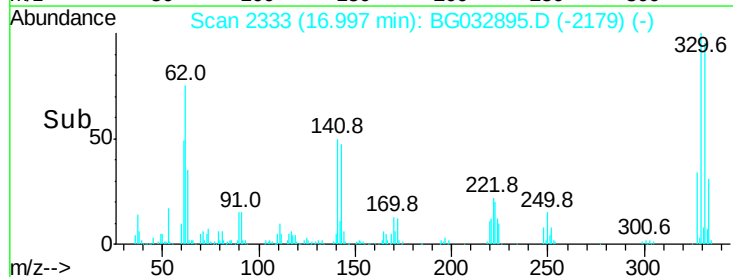
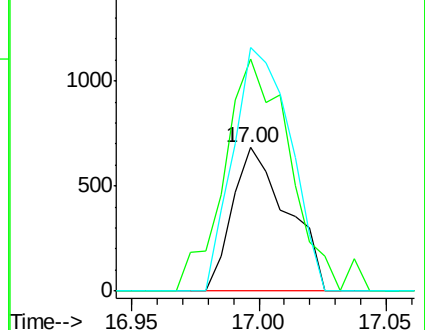
105 169.4 23.8 63.8#

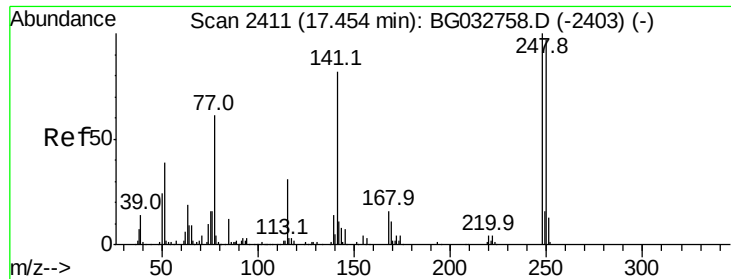


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

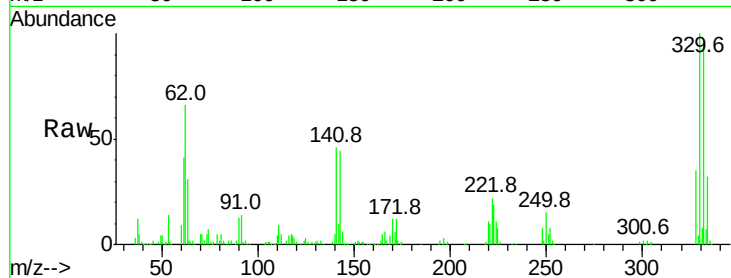




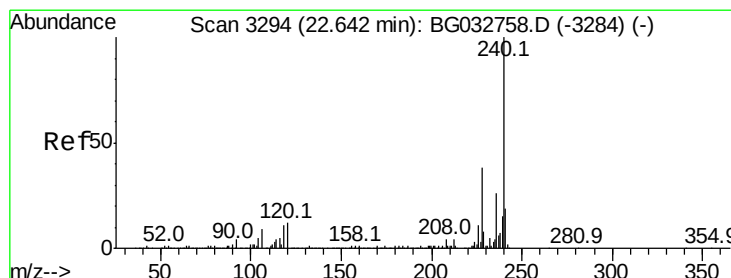
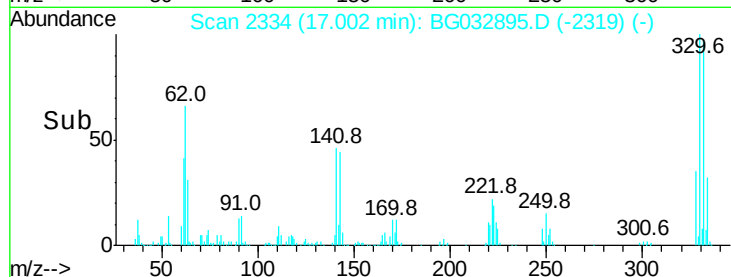
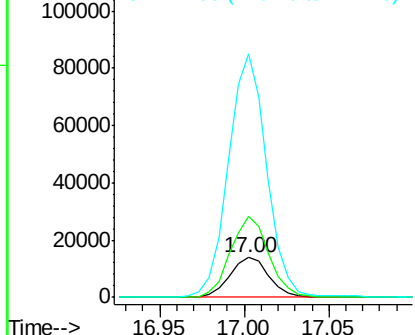
#66
4-Bromophenyl-phenylether
Concen: 4.988 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.44 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 22220
Ion Ratio Lower Upper
248 100
250 203.2 77.1 115.7#
141 610.2 50.8 76.2#

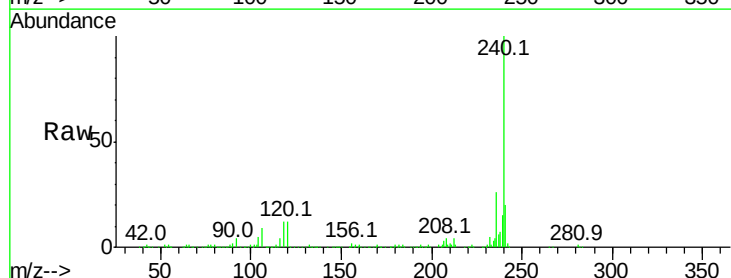


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

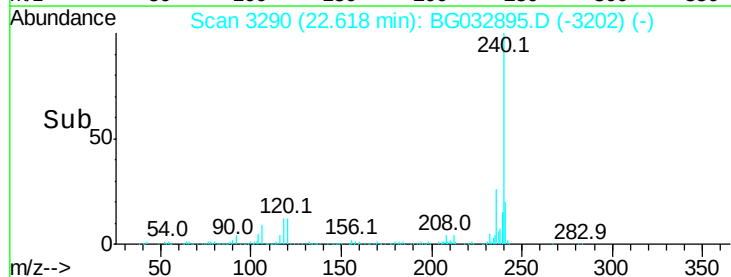
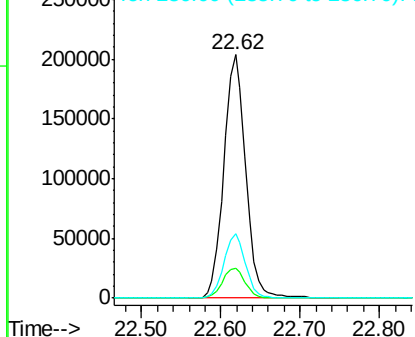


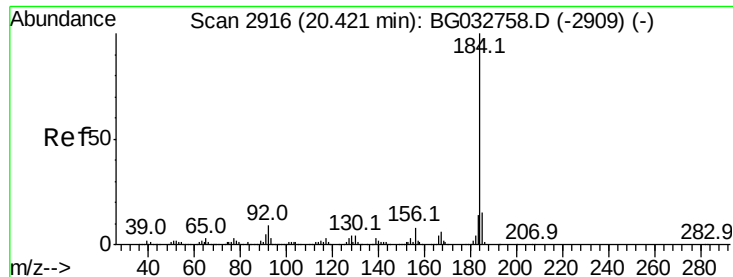
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3290
Delta R.T. -0.01 min
Lab File: BG032895.D
Acq: 28 Feb 2018 19:50

Tgt Ion:240 Resp: 388726
Ion Ratio Lower Upper
240 100
120 12.1 6.8 10.2#
236 26.3 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: 2.245 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

Instrument :

BNA_G

ClientSampleId :

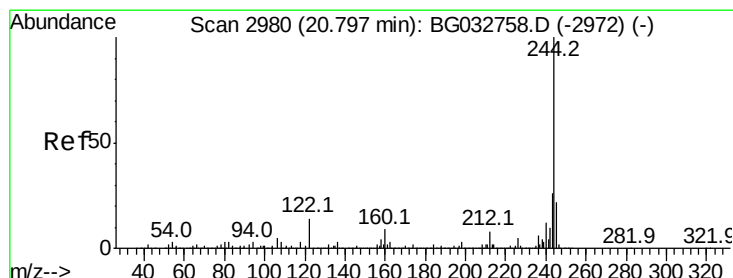
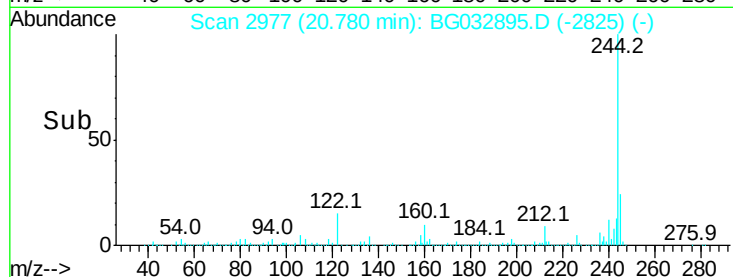
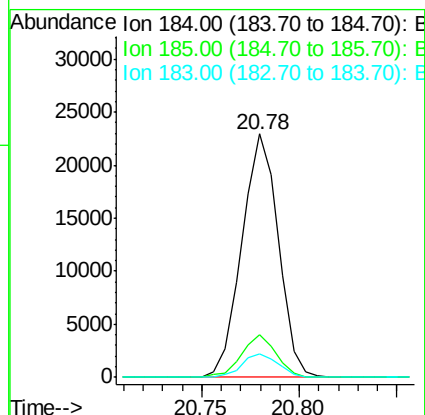
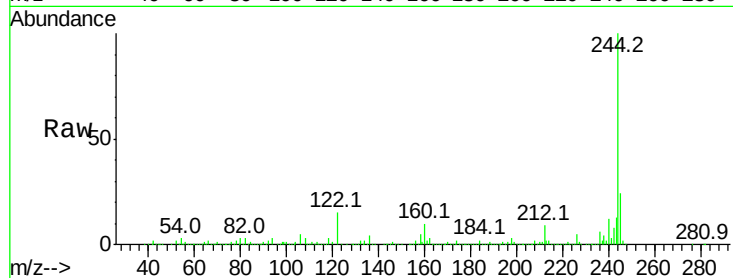
Tot Ion:184 Resp: 29743

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

183 9.8 10.6 16.0#



#78

Terphenyl-d14

Concen: 96.780 ng

RT: 20.78 min Scan# 2977

Delta R.T. -0.01 min

Lab File: BG032895.D

Acq: 28 Feb 2018 19:50

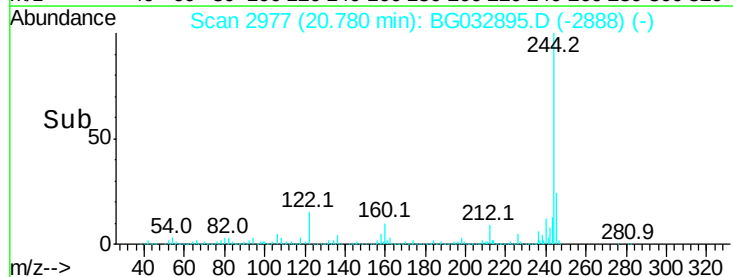
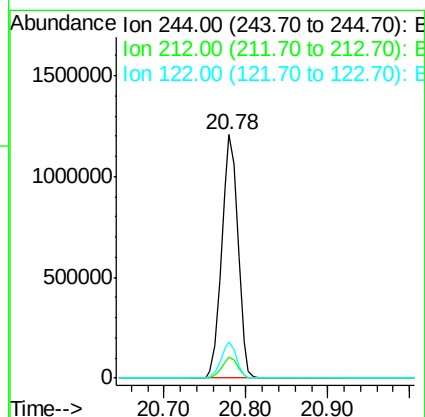
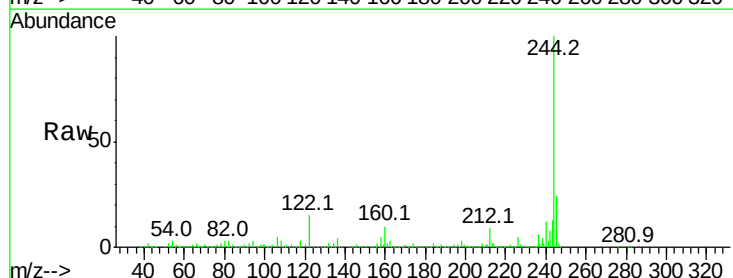
Tgt Ion:244 Resp: 1674479

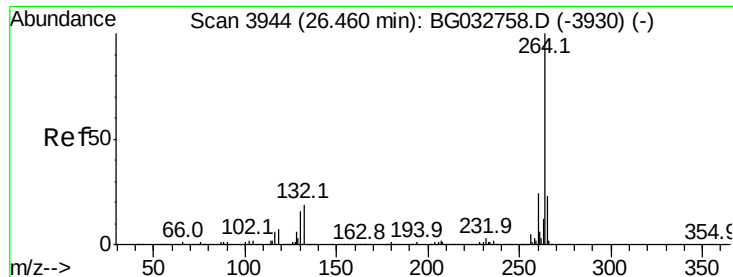
Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

122 15.1 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: BG032895.D
Acq: 28 Feb 2018 19:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.4	26.0
265	22.0	17.7	26.5

