

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032968.D
 Acq On : 3 Mar 2018 6:06
 Operator : SJ/JU
 Sample : J1778-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:34:24 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

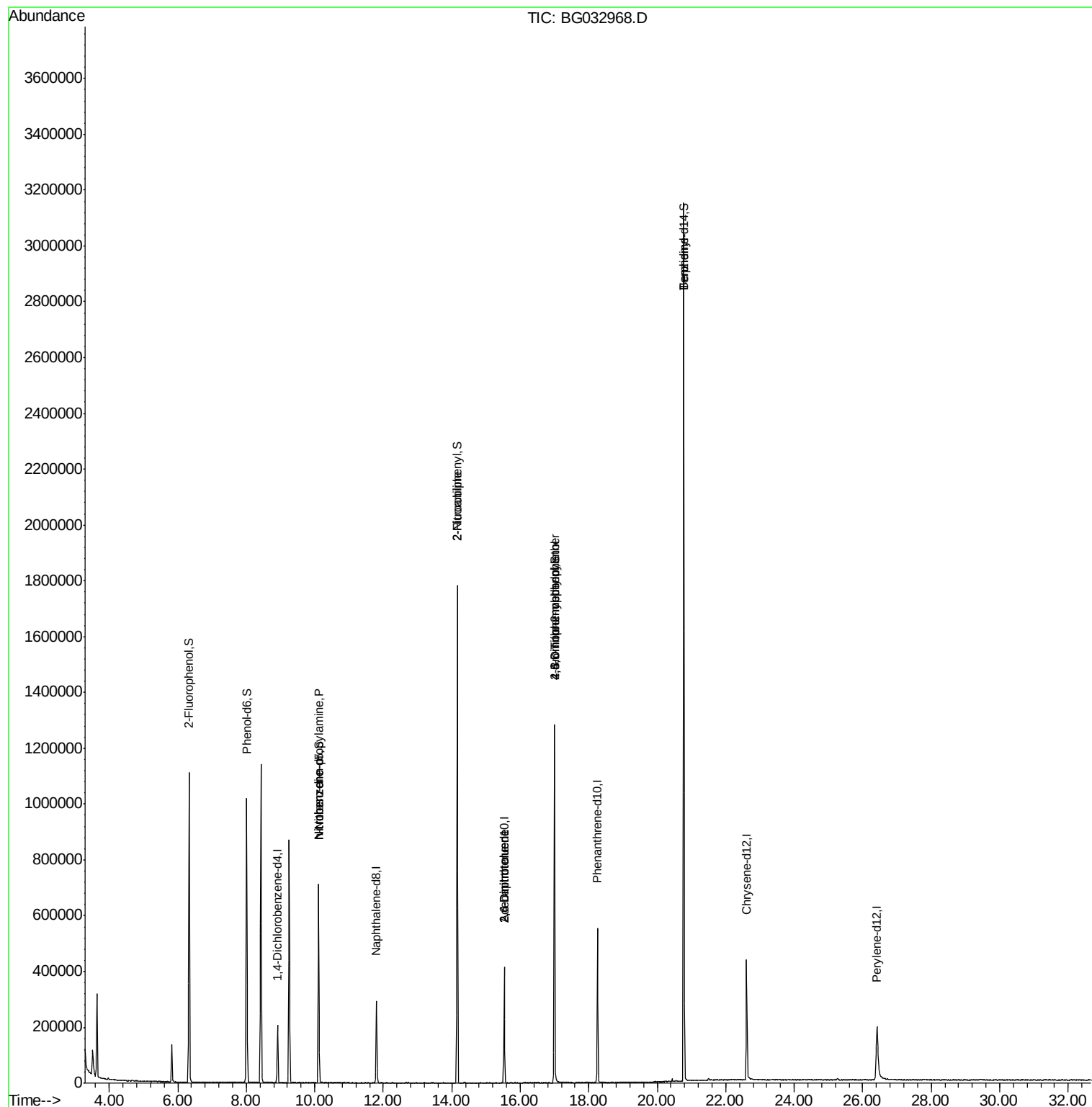
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	60161	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	260162	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	142180	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	328566	20.00	ng	0.00
75) Chrysene-d12	22.61	240	307137	20.00	ng	-0.01
86) Perylene-d12	26.42	264	296087	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	516719	137.41	ng	0.00
7) Phenol-d6	8.01	99	633249	120.81	ng	0.00
23) Nitrobenzene-d5	10.11	82	438000	113.12	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	223288	149.36	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	938748	95.23	ng	0.00
78) Terphenyl-d14	20.78	244	1397994	102.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	57477	15.533	ng	# 83
24) Nitrobenzene	10.11	77	1287	6.649	ng	# 42
47) 2-Nitroaniline	14.16	65	1522	10.353	ng	# 4
50) 2,6-Dinitrotoluene	15.53	165	17982	16.229	ng	# 19
56) 2,4-Dinitrotoluene	15.53	165	17982	14.426	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	654	5.794	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16358	4.708	ng	# 1
76) Benzidine	20.78	184	23942	2.287	ng	# 92

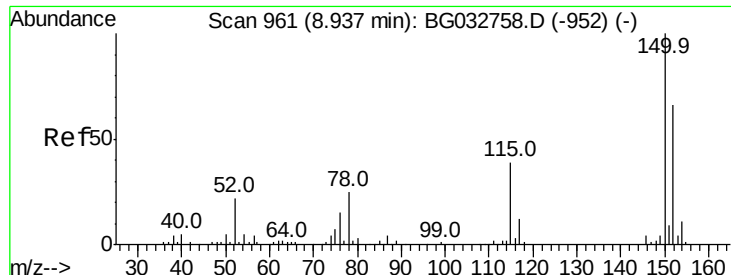
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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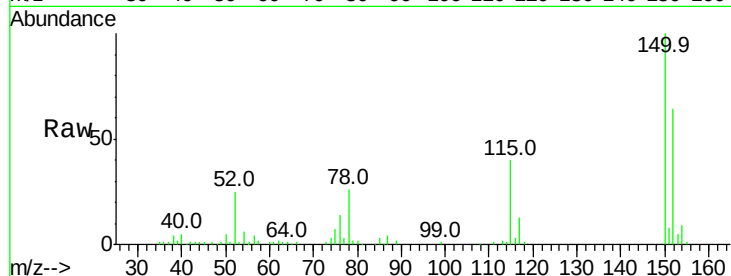


#1

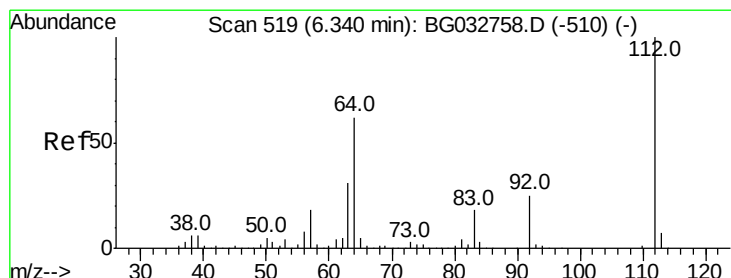
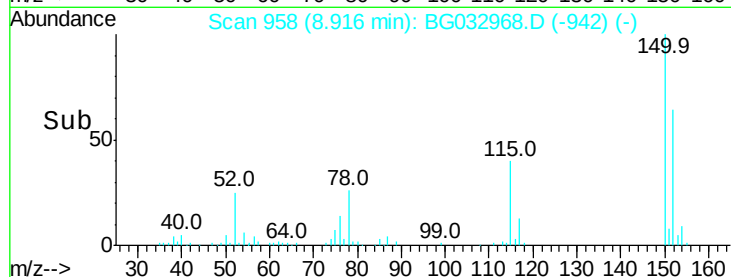
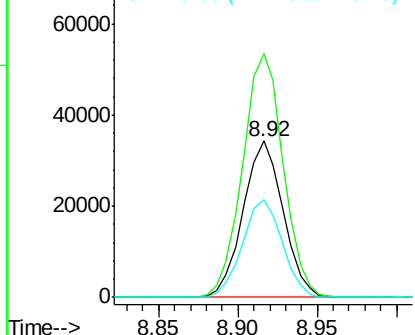
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. -0.00 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60161
Ion Ratio Lower Upper
152 100
150 156.1 126.6 189.8
115 62.5 53.0 79.4



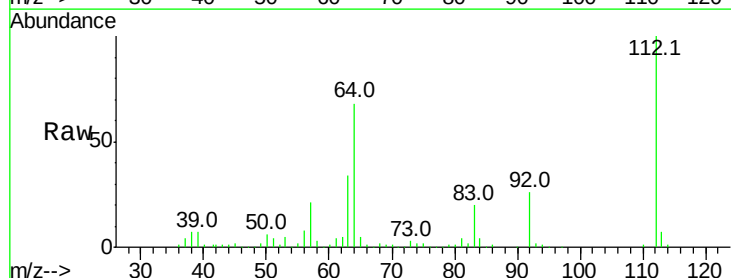
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



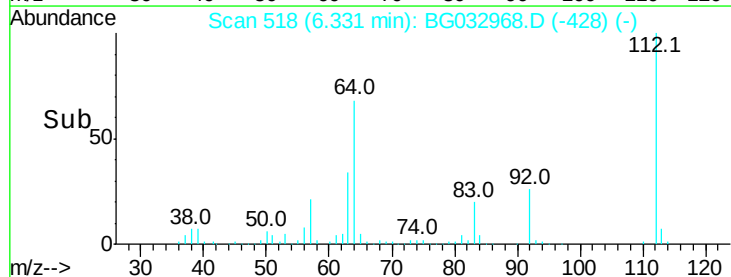
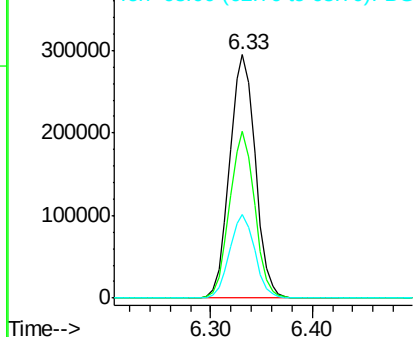
#5

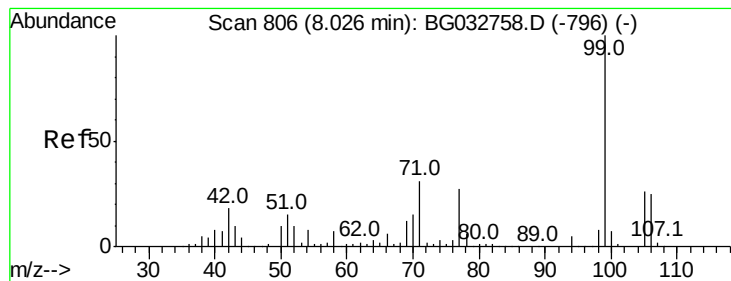
2-Fluorophenol
Concen: 137.410 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Tgt Ion:112 Resp: 516719
Ion Ratio Lower Upper
112 100
64 68.4 56.3 84.5
63 34.3 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: 120.815 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Instrument :

BNA_G

ClientSampled :

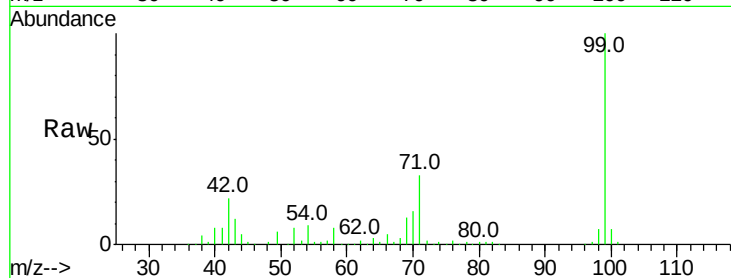
Tot Ion: 99 Resp: 633249

Ion Ratio Lower Upper

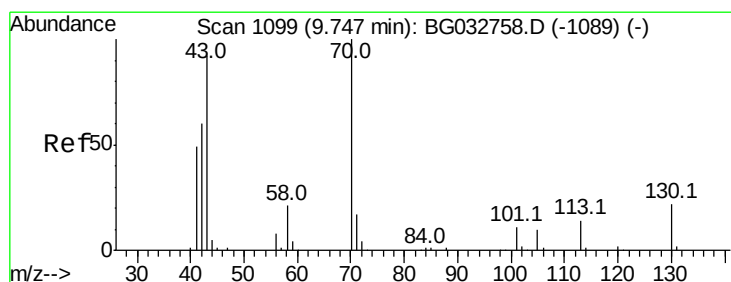
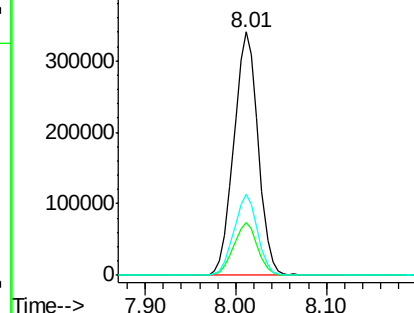
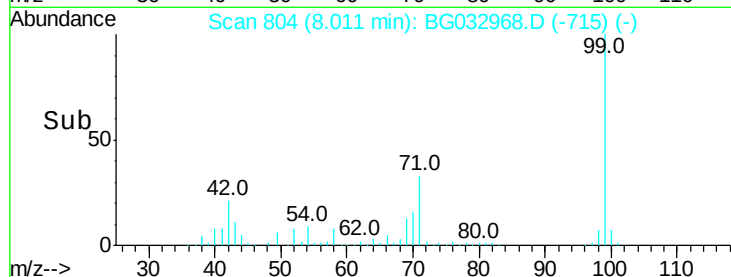
99 100

42 21.5 14.1 21.1#

71 33.1 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: 15.533 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Tgt Ion: 70 Resp: 57477

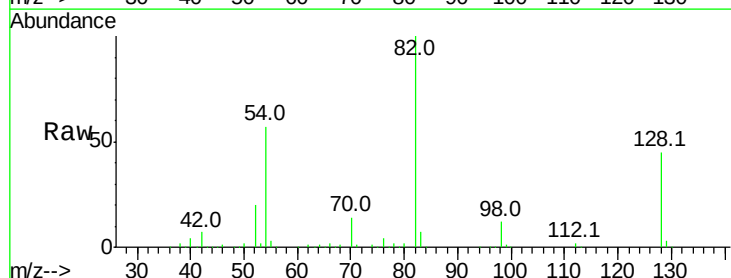
Ion Ratio Lower Upper

70 100

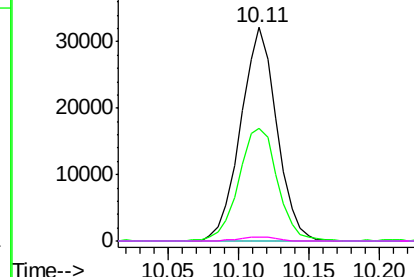
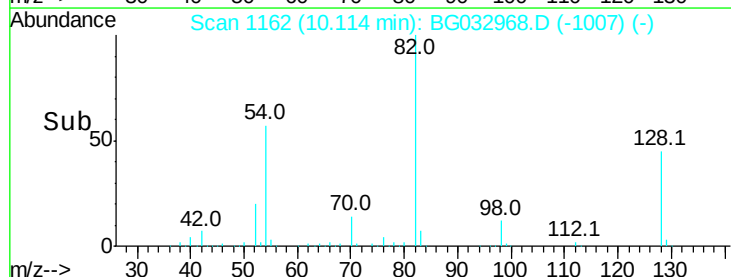
42 53.0 49.1 73.7

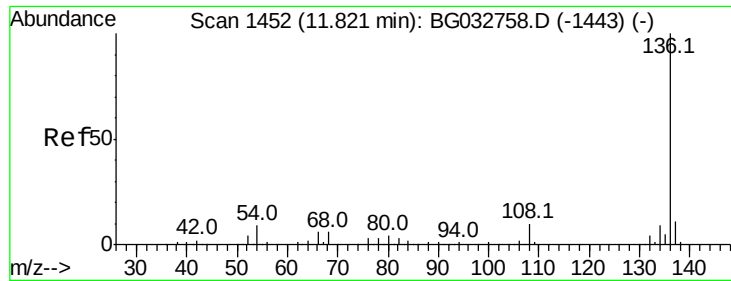
101 0.0 8.5 12.7#

130 1.8 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

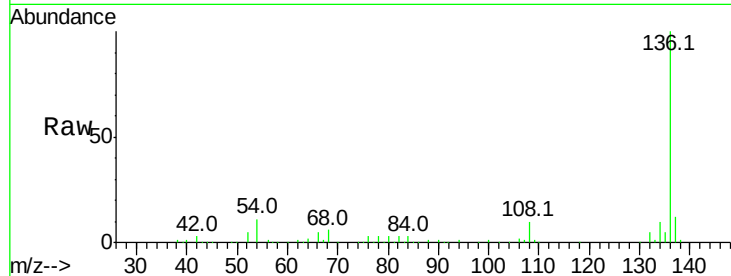




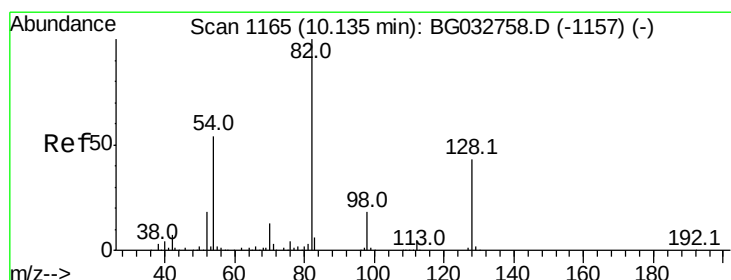
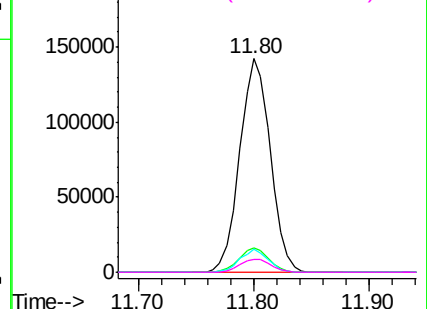
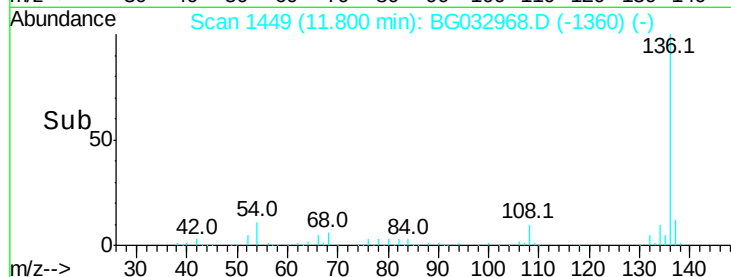
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	260162
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	10.6	10.3	15.5
68	6.3	4.5	6.7

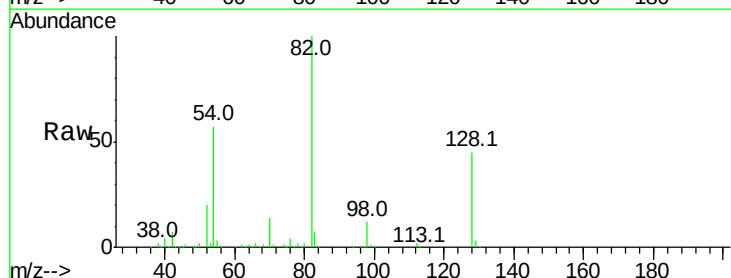


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

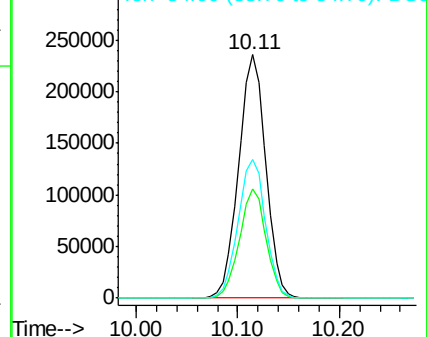
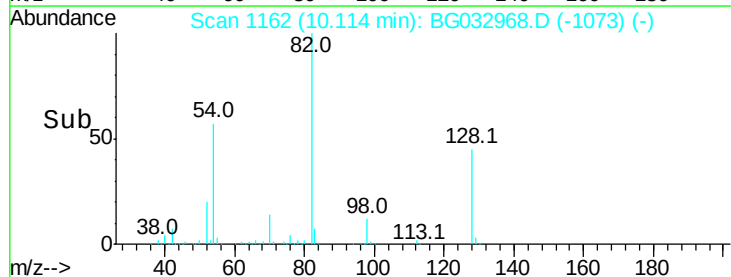


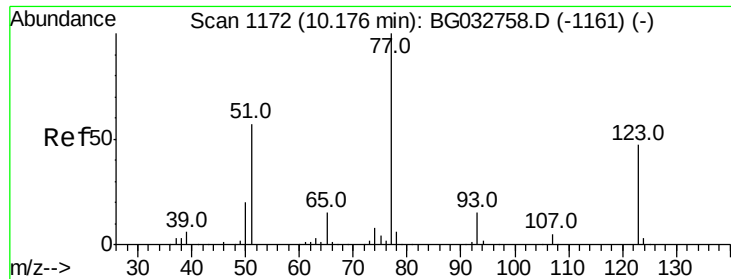
#23
Nitrobenzene-d5
Concen: 113.119 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Tgt Ion:	82	Resp:	438000
Ion	Ratio	Lower	Upper
82	100		
128	45.0	29.7	44.5#
54	56.8	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

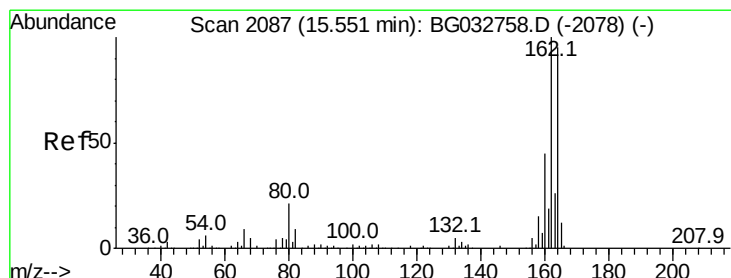
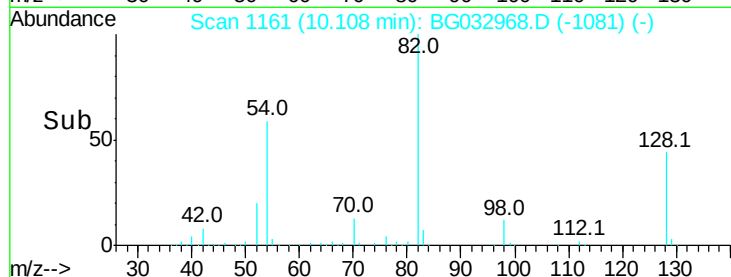
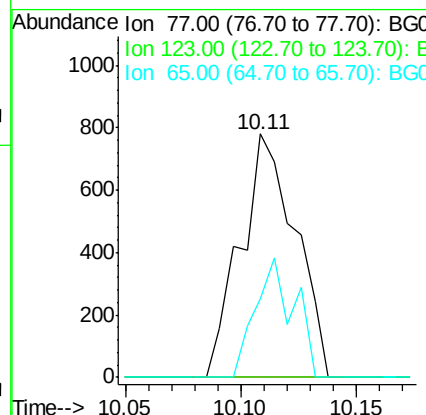
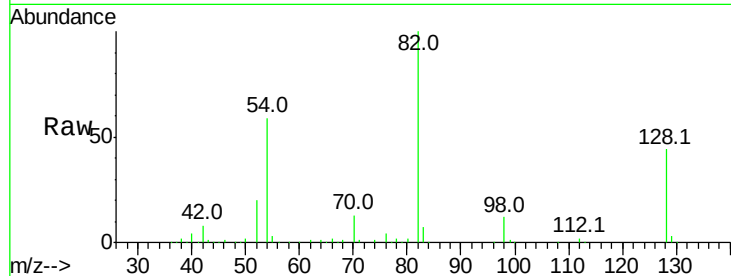




#24
 Nitrobenzene
 Concen: 6.649 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BG032968.D
 Acq: 3 Mar 2018 6:06

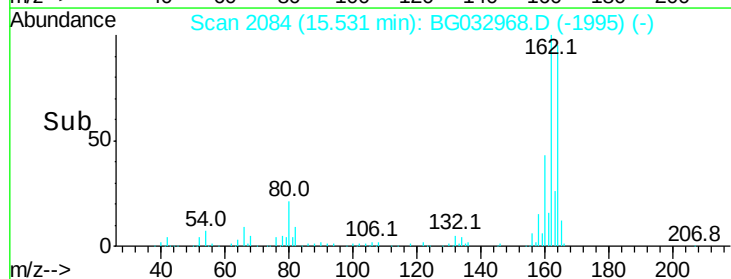
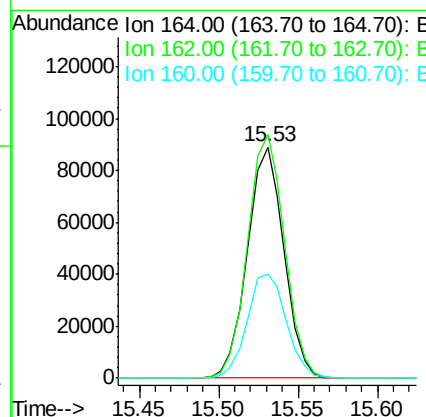
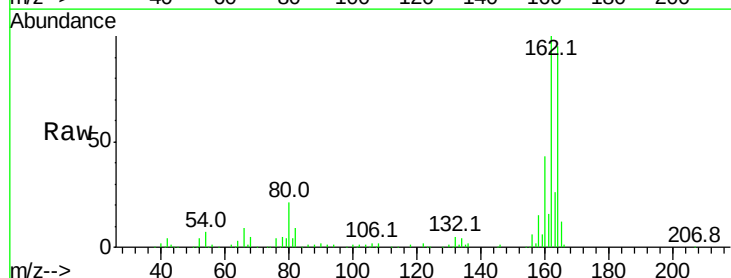
Instrument :
 BNA_G
 ClientSampleId :

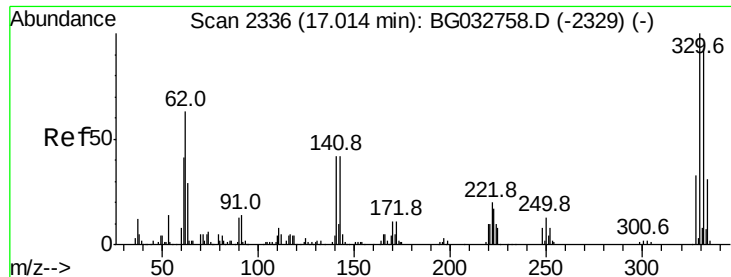
Tot Ion: 77 Resp: 1287
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 32.4 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: BG032968.D
 Acq: 3 Mar 2018 6:06

Tgt Ion:164 Resp: 142180
 Ion Ratio Lower Upper
 164 100
 162 105.3 78.8 118.2
 160 45.1 35.4 53.0

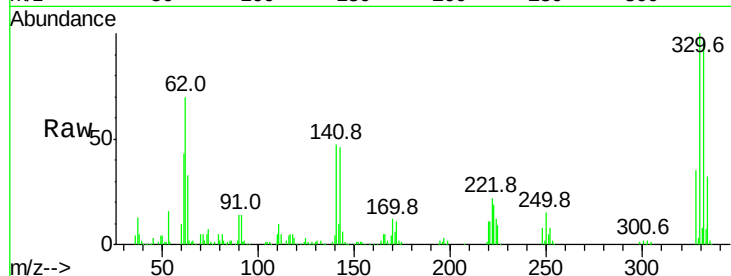




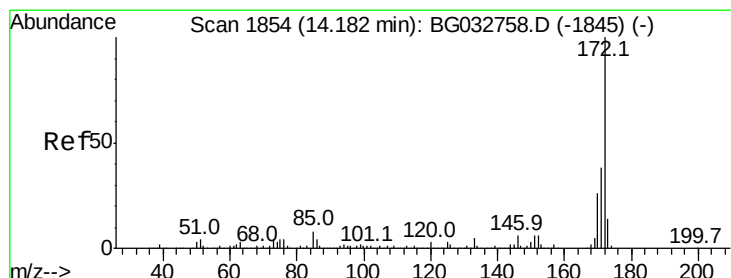
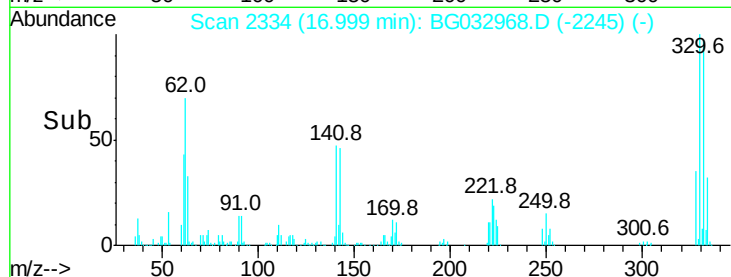
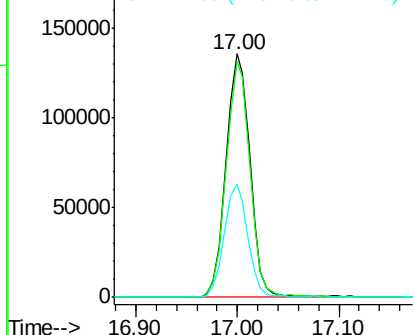
#41
 2,4,6-Tribromophenol
 Concen: 149.359 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032968.D
 Acq: 3 Mar 2018 6:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 223288
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 45.9 25.2 37.8#

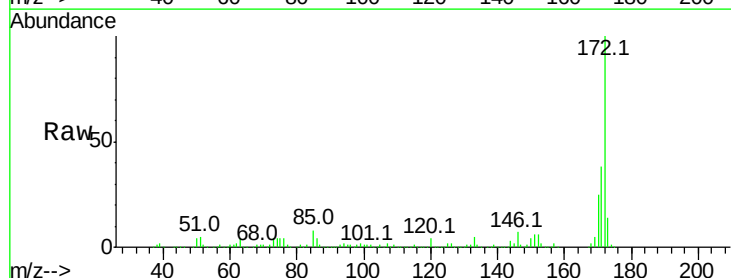


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

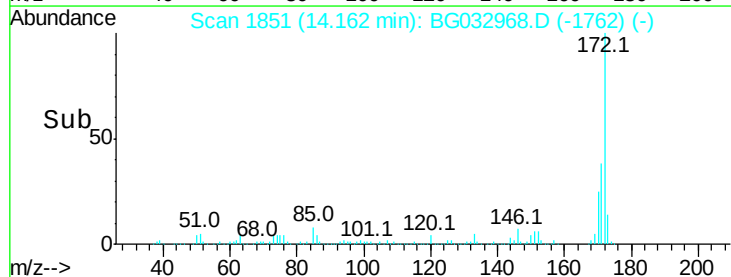
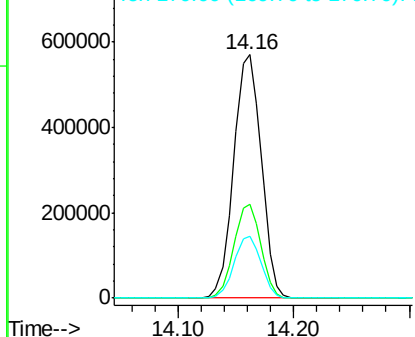


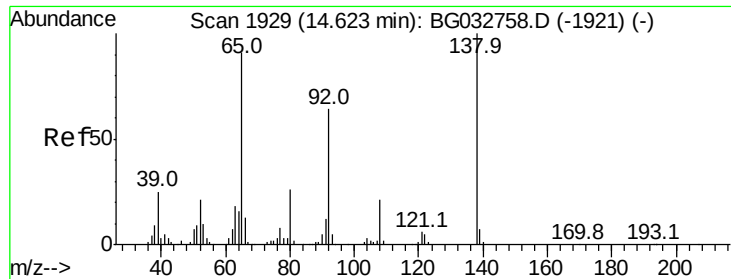
#44
 2-Fluorobiphenyl
 Concen: 95.225 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BG032968.D
 Acq: 3 Mar 2018 6:06

Tgt Ion:172 Resp: 938748
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.0 45.0
 170 25.4 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: 10.353 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.45 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Instrument :

BNA_G

ClientSampled :

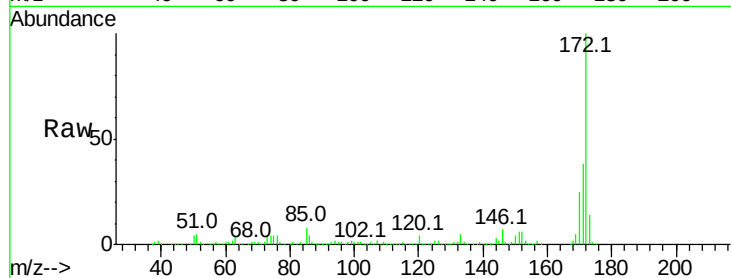
Tot Ion: 65 Resp: 1522

Ion Ratio Lower Upper

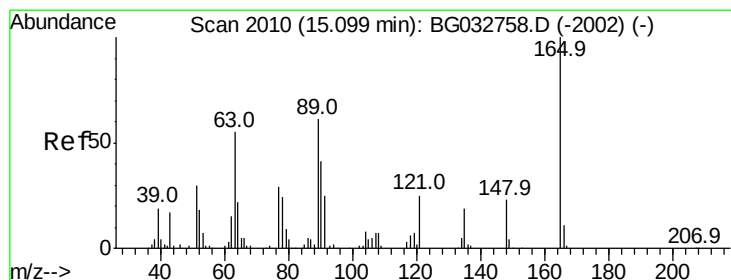
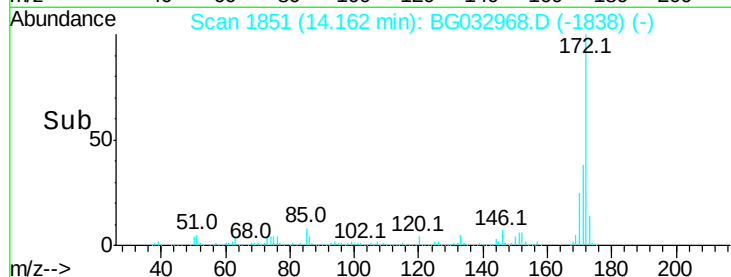
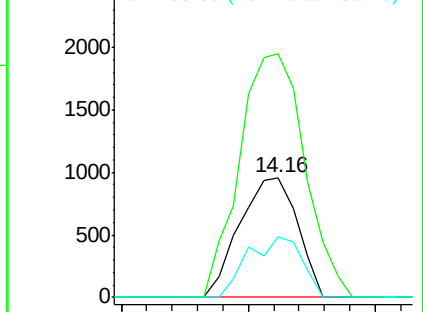
65 100

92 202.7 54.6 82.0#

138 50.4 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: 16.229 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

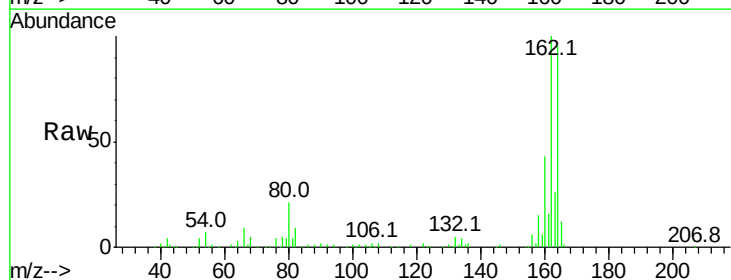
Tgt Ion:165 Resp: 17982

Ion Ratio Lower Upper

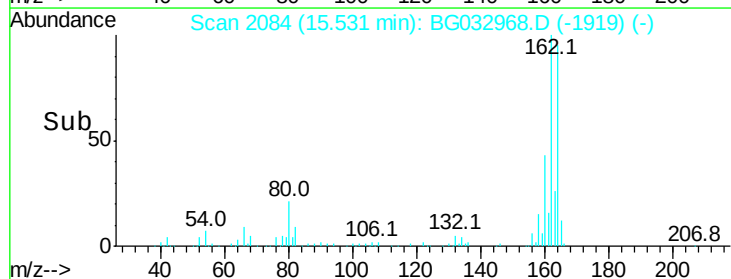
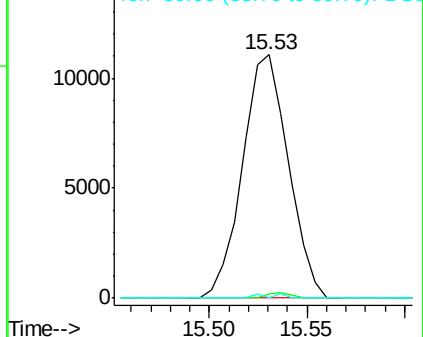
165 100

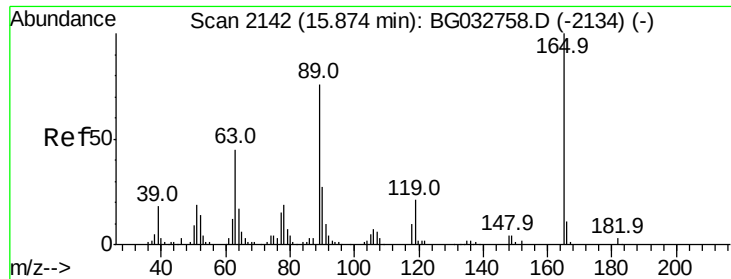
63 1.6 52.7 79.1#

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

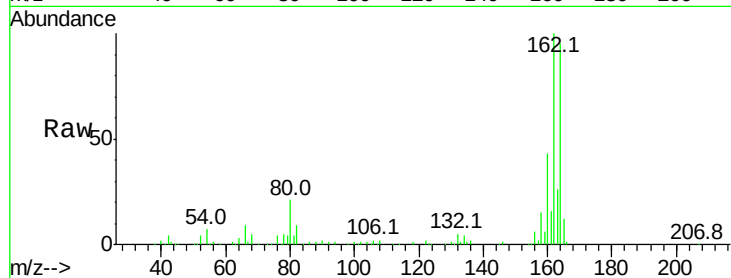




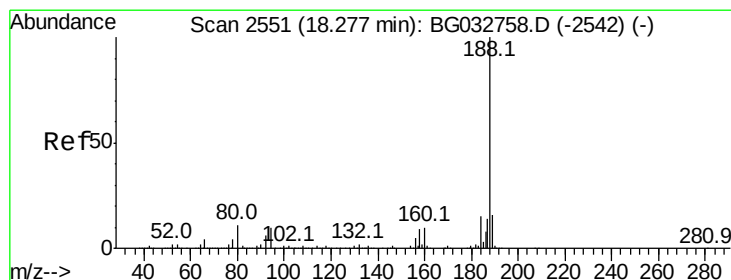
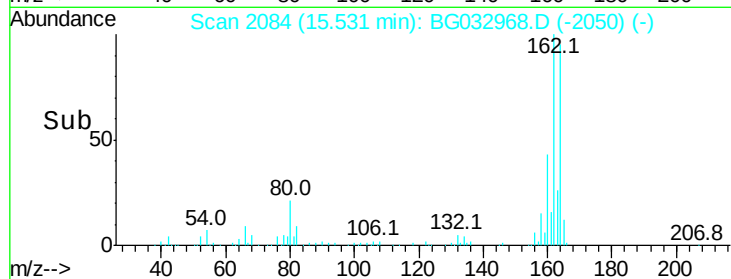
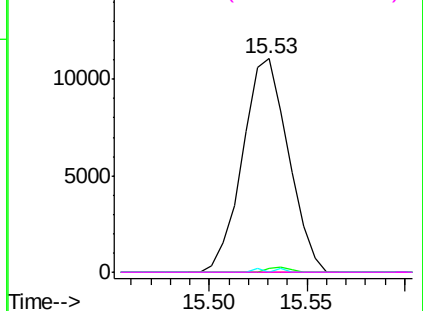
#56
2,4-Dinitrotoluene
Concen: 14.426 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17982
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

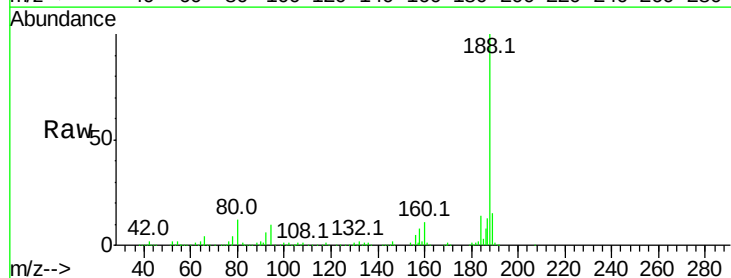


Abundance Ion 165.00 (164.70 to 165.70): E

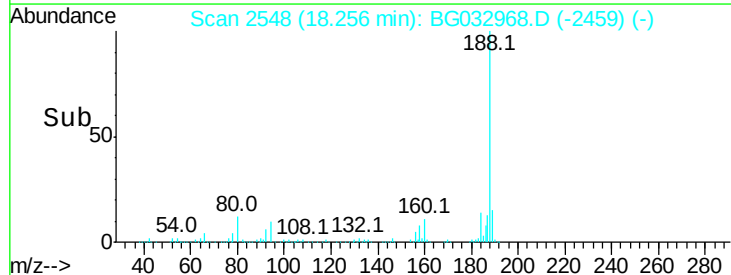
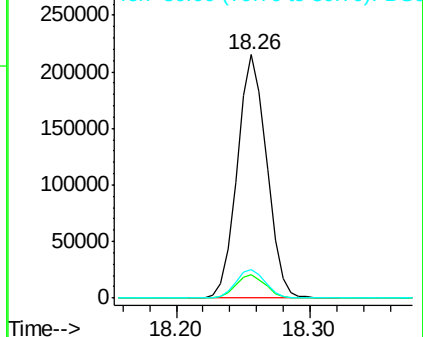


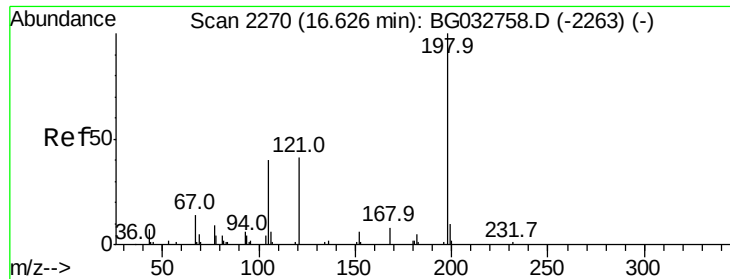
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. -0.00 min
Lab File: BG032968.D
Acq: 3 Mar 2018 6:06

Tgt Ion:188 Resp: 328566
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 11.6 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 5.794 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Instrument :

BNA_G

ClientSampleId :

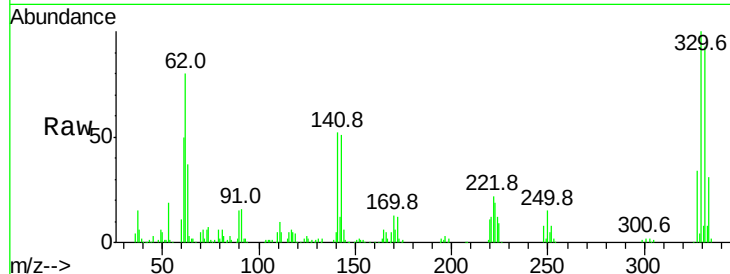
Tot Ion:198 Resp: 654

Ion Ratio Lower Upper

198 100

51 206.5 30.6 70.6#

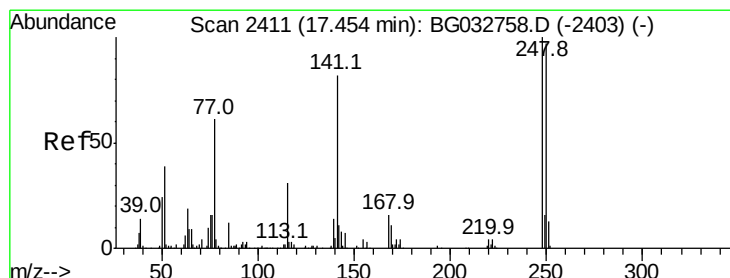
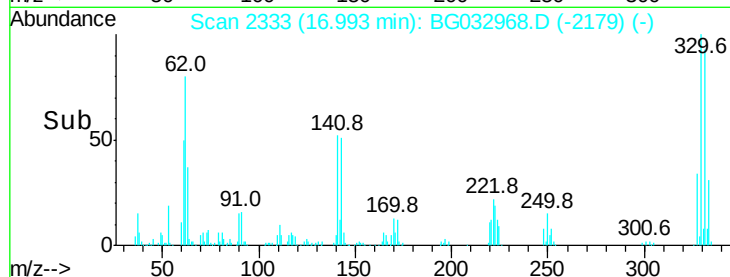
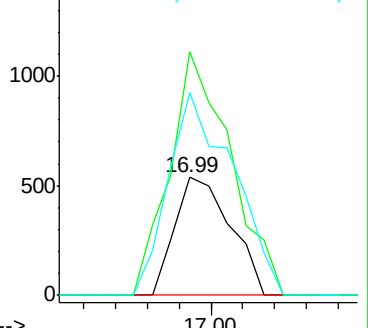
105 171.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.708 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

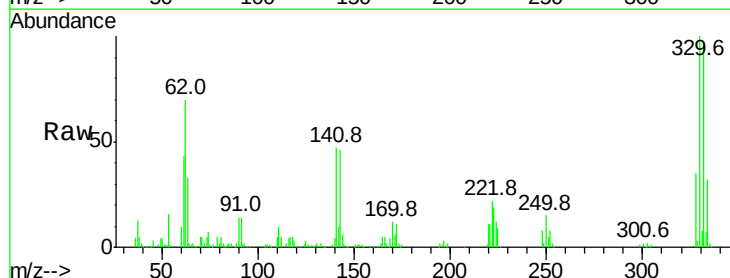
Tgt Ion:248 Resp: 16358

Ion Ratio Lower Upper

248 100

250 187.0 77.1 115.7#

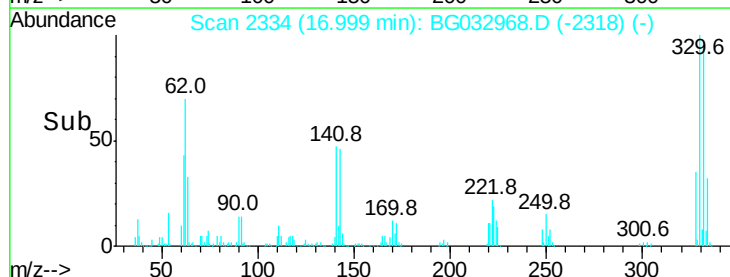
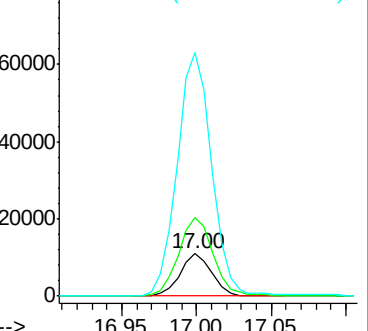
141 578.1 50.8 76.2#

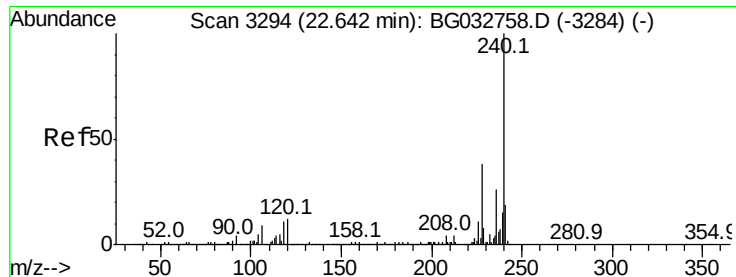


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3289

Delta R.T. -0.01 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Instrument :

BNA_G

ClientSampleId :

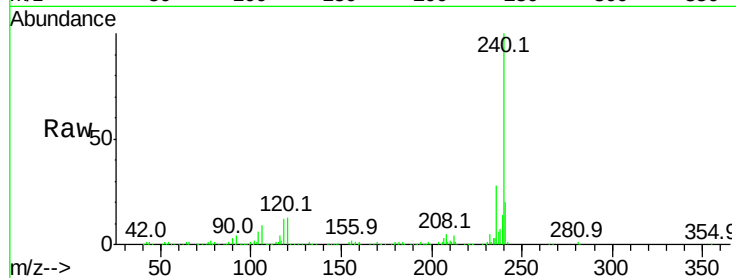
Tot Ion:240 Resp: 307137

Ion Ratio Lower Upper

240 100

120 13.0 6.8 10.2#

236 27.6 20.9 31.3

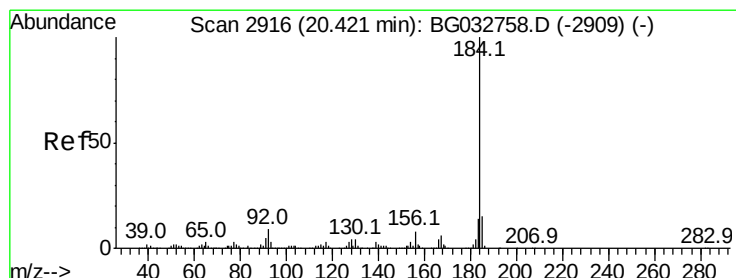
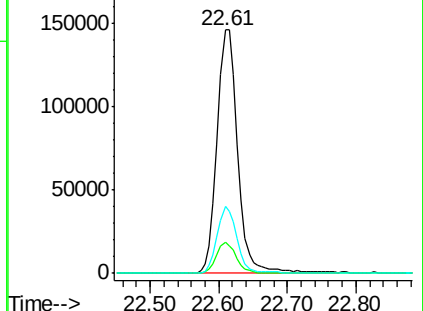
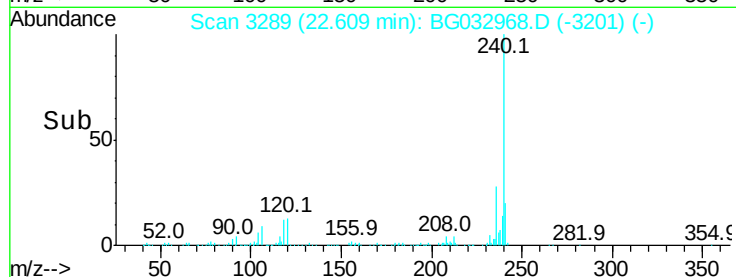


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

22.61



#76

Benzidine

Concen: 2.287 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.37 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

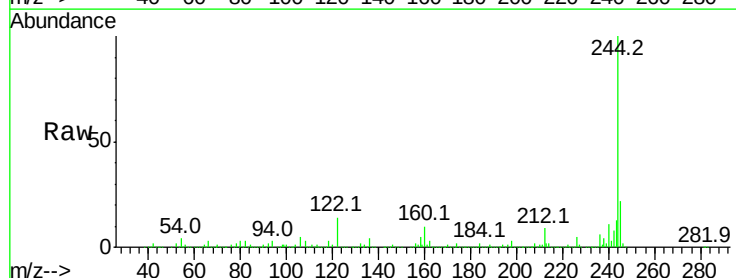
Tgt Ion:184 Resp: 23942

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

183 8.2 10.6 16.0#

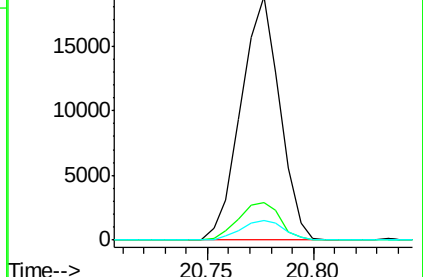
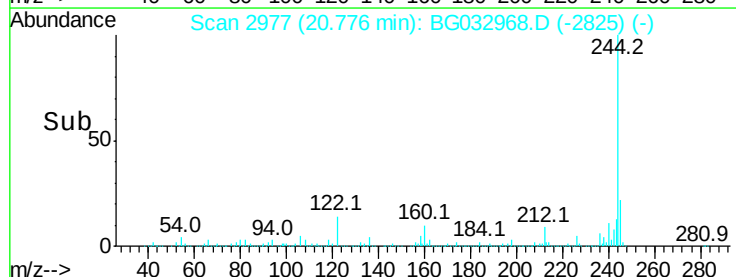


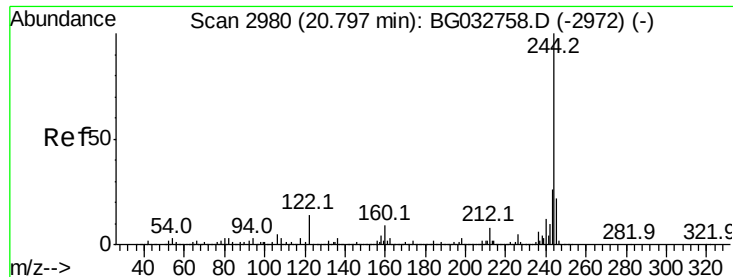
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.78





#78

Terphenyl-d14

Concen: 102.264 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

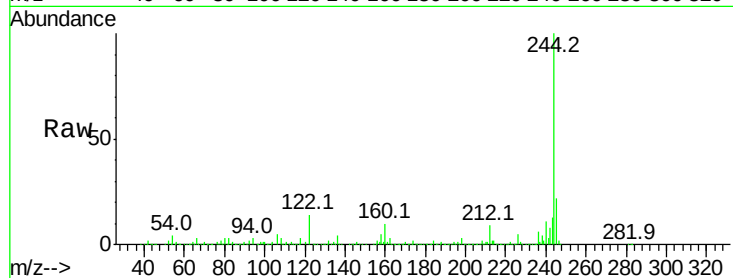
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1397994

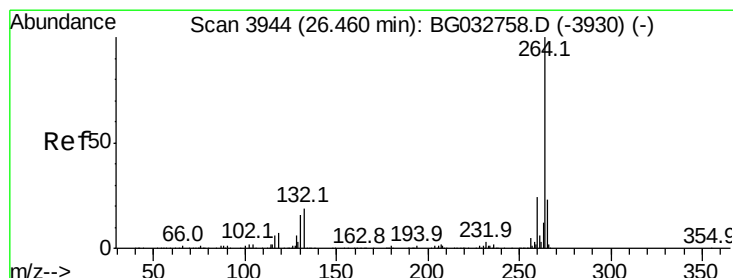
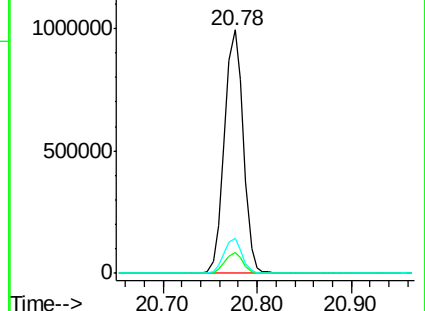
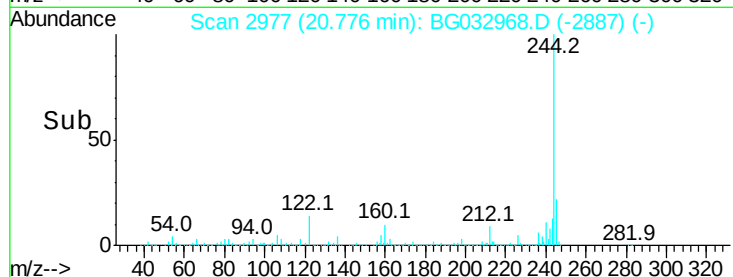
Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	14.4	7.0	10.4



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: 26.42 min Scan# 3937

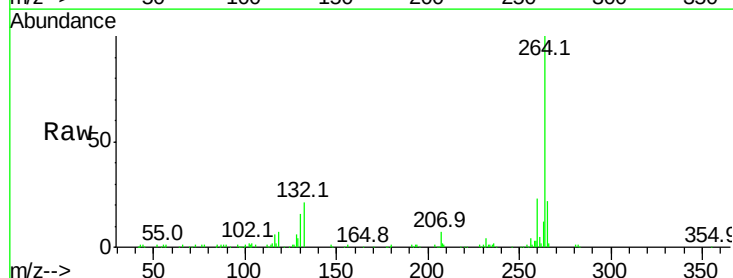
Delta R.T. -0.01 min

Lab File: BG032968.D

Acq: 3 Mar 2018 6:06

Tgt Ion:264 Resp: 296087

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	21.5	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

