

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033940.D
 Acq On : 24 Apr 2018 4:14
 Operator : SJ/JU
 Sample : J2495-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 08:04:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

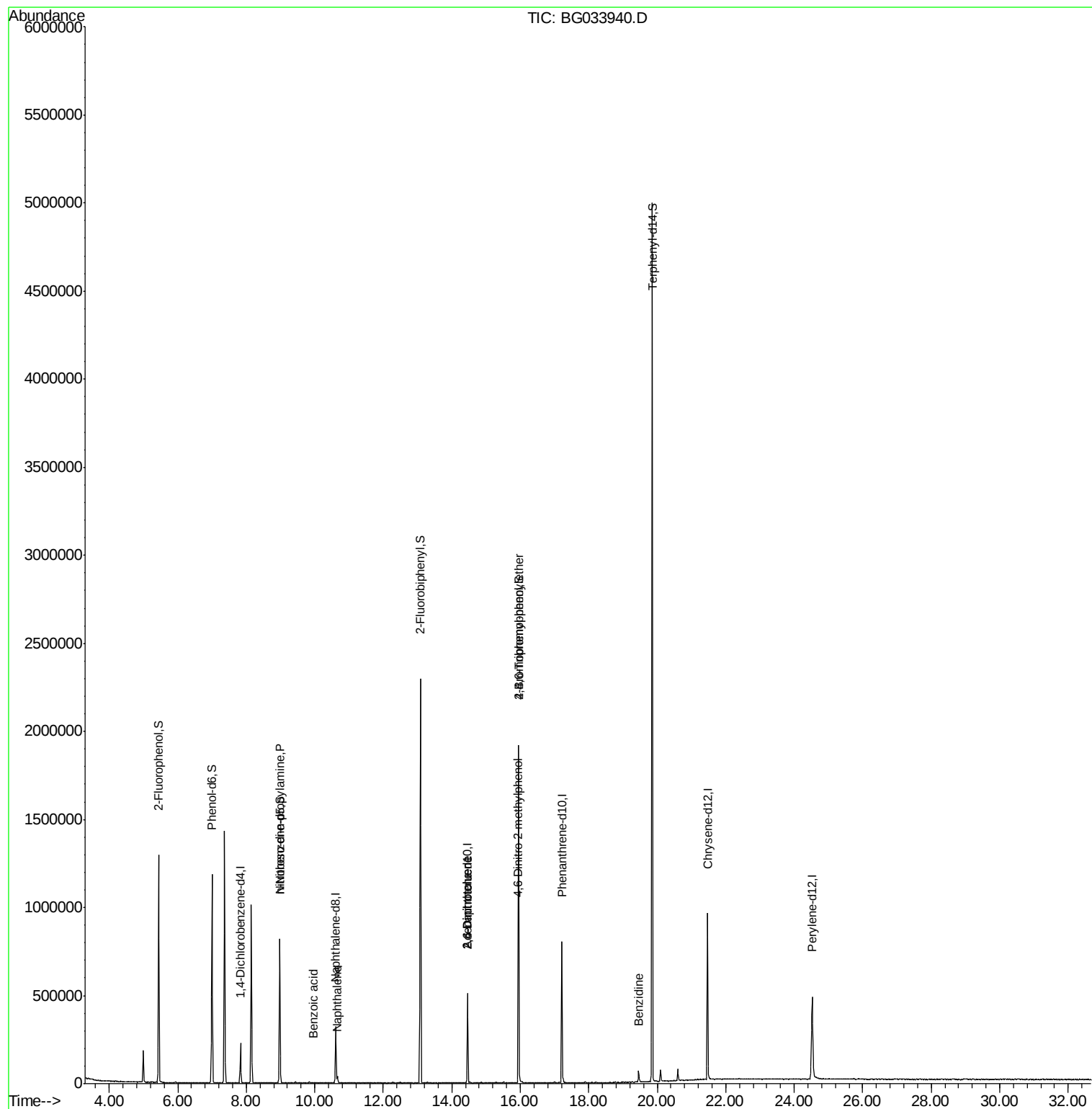
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	62662	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	271350	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	180275	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	502709	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	543635	20.00	ng	-0.03
86) Perylene-d12	24.52	264	529774	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	546724	139.30	ng	0.00
7) Phenol-d6	7.00	99	672377	117.45	ng	0.00
23) Nitrobenzene-d5	8.97	82	493550	103.51	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	336639	160.06	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1215990	99.09	ng	-0.02
78) Terphenyl-d14	19.85	244	2301361	95.11	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1203	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	70110	14.367 ng	#	78
31) Naphthalene	10.66	128	32191	2.307 ng	#	96
32) Benzoic acid	9.96	122	205	5.132 ng	#	23
50) 2,6-Dinitrotoluene	14.46	165	23358	7.772 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	23358	5.845 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.93	198	320	6.603 ng		81
66) 4-Bromophenyl-phenylether	15.95	248	18849	3.414 ng	#	1
76) Benzidine	19.46	184	40773	2.777 ng		97

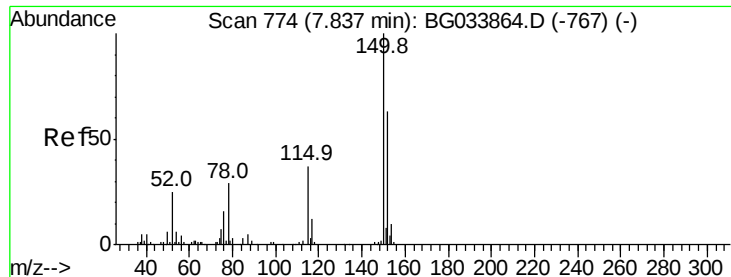
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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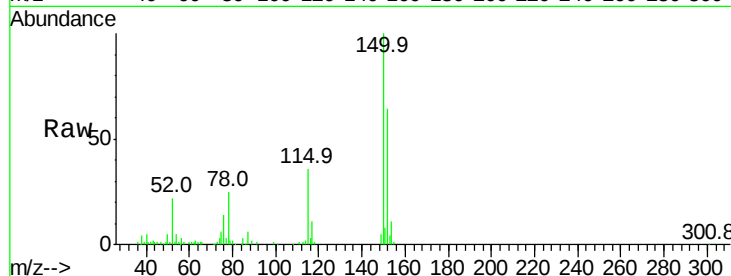


#1

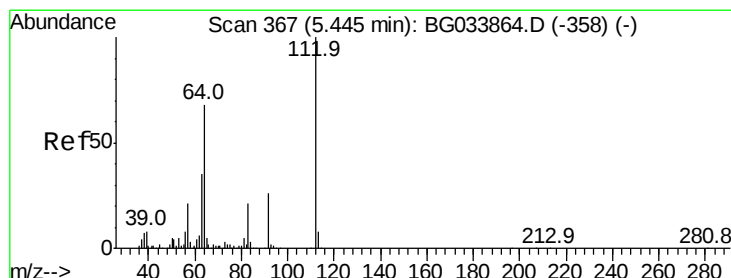
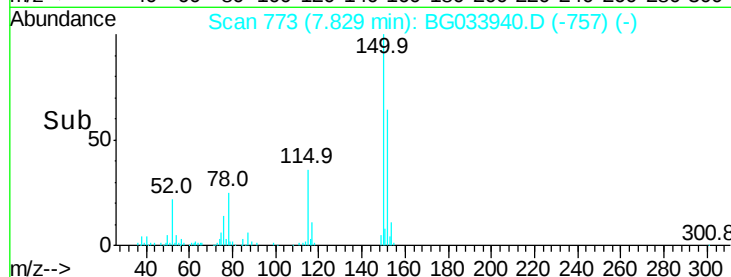
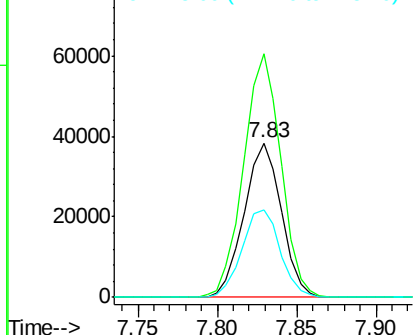
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033940.D
Acq: 24 Apr 2018 4:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 62662
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 56.3 53.0 79.4



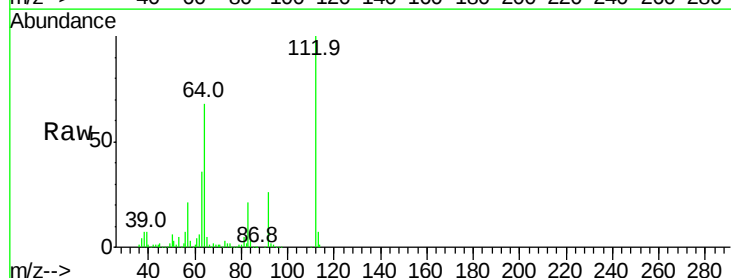
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



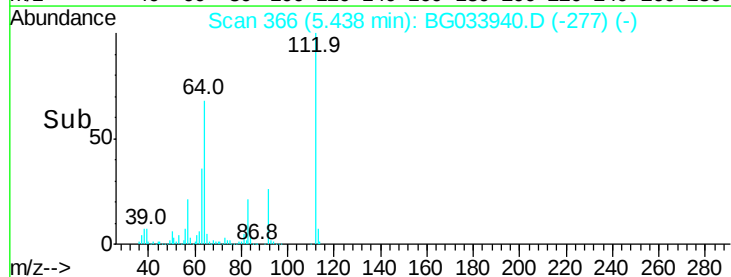
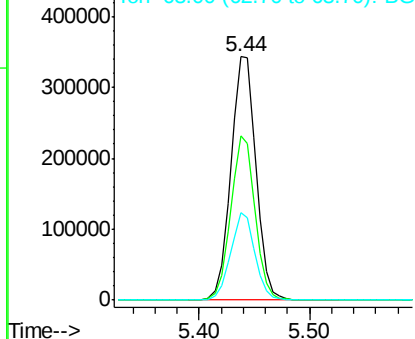
#5

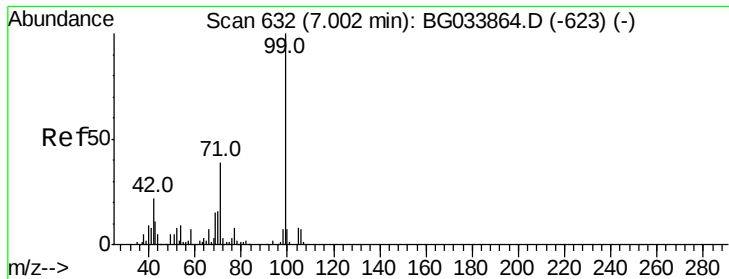
2-Fluorophenol
Concen: 139.297 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033940.D
Acq: 24 Apr 2018 4:14

Tgt Ion:112 Resp: 546724
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 36.0 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: 117.453 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Instrument :

BNA_G

ClientSampled :

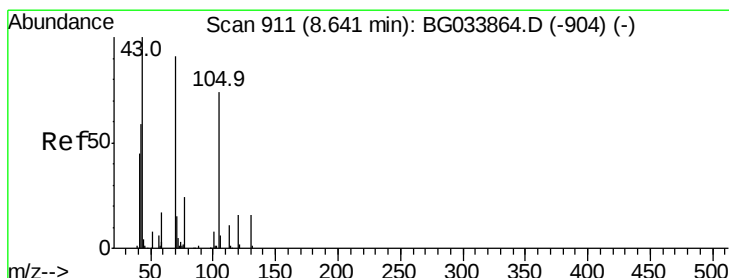
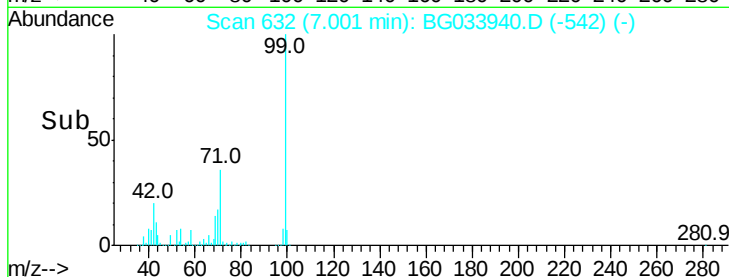
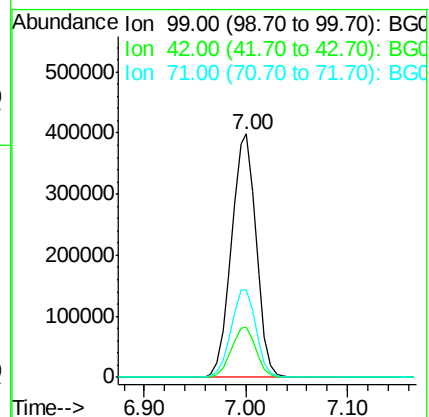
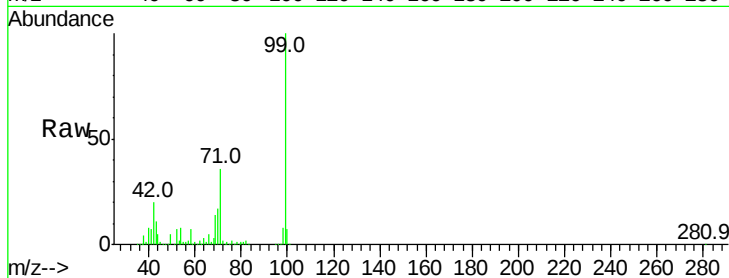
Tot Ion: 99 Resp: 672377

Ion Ratio Lower Upper

99 100

42 20.4 14.1 21.1

71 35.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.367 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Tgt Ion: 70 Resp: 70110

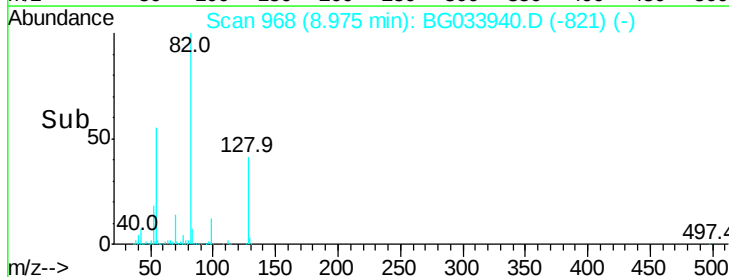
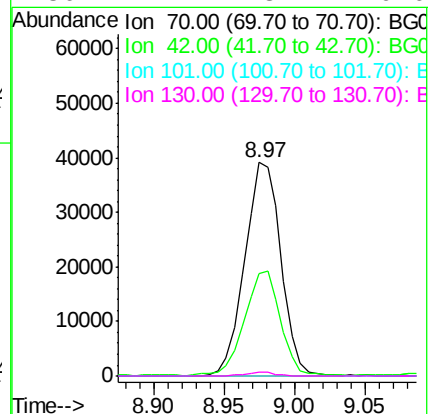
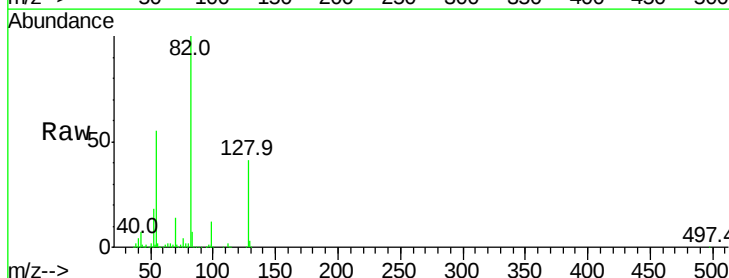
Ion Ratio Lower Upper

70 100

42 47.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 271350

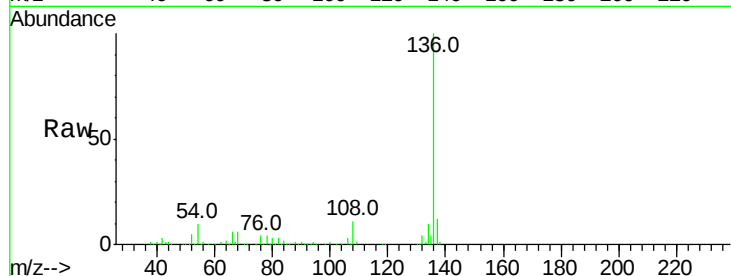
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 9.7 10.3 15.5#

68 6.4 4.5 6.7

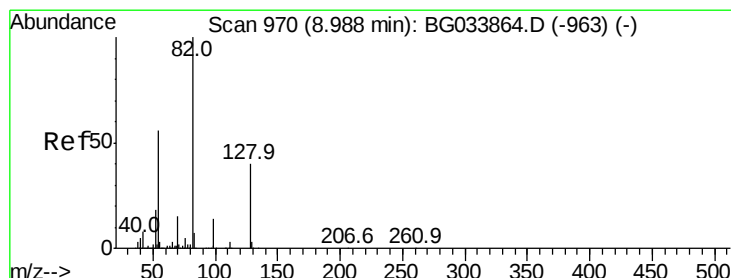
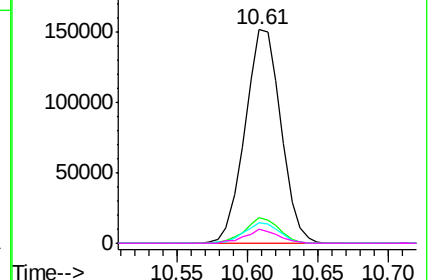
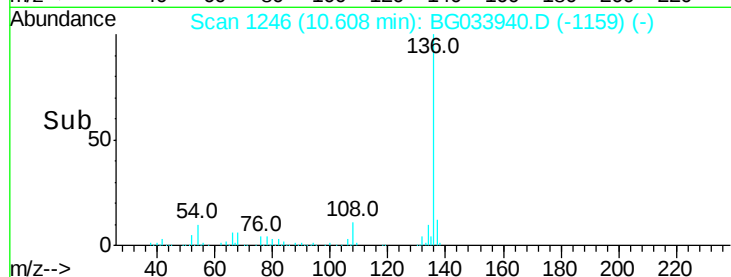


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 103.511 ng

RT: 8.97 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

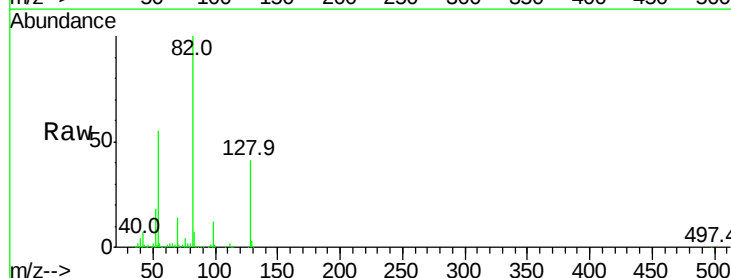
Tgt Ion: 82 Resp: 493550

Ion Ratio Lower Upper

82 100

128 40.8 29.7 44.5

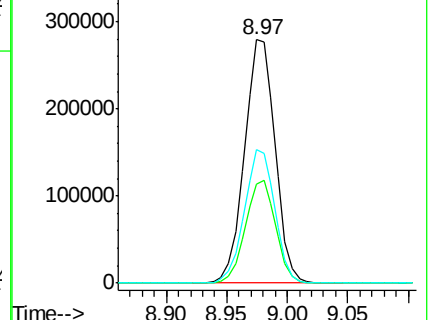
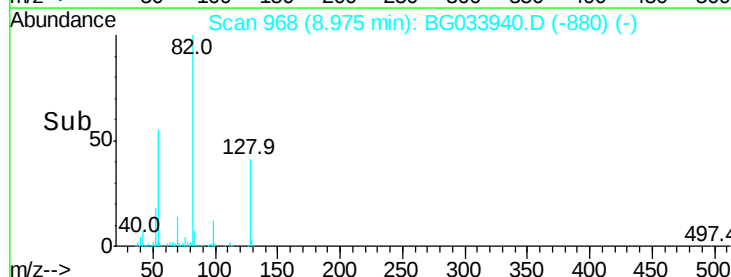
54 55.0 43.1 64.7

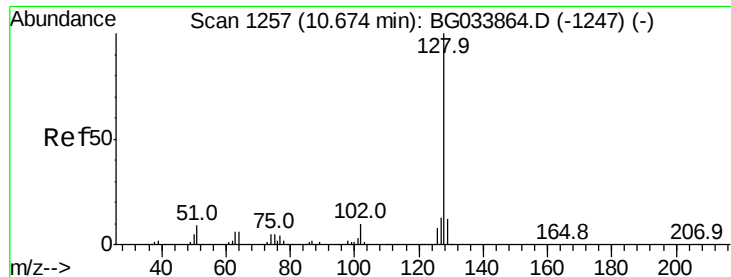


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

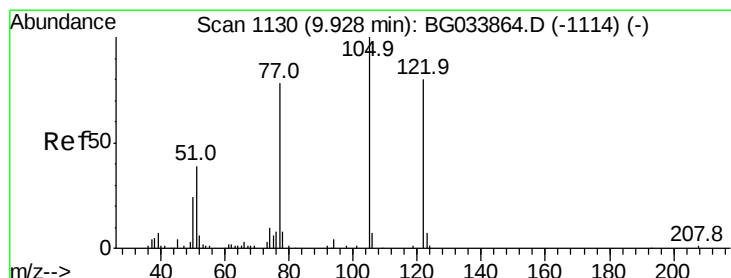
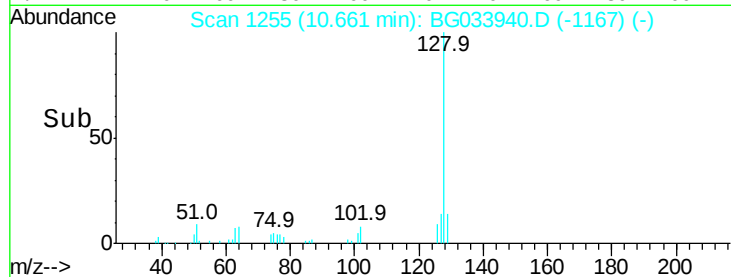
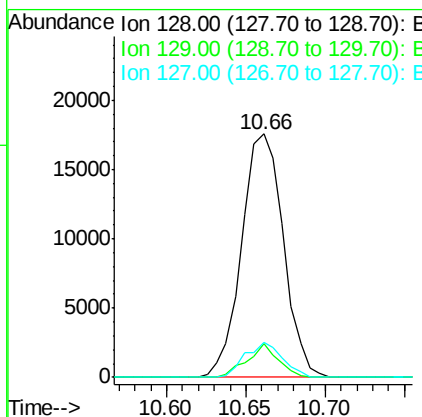
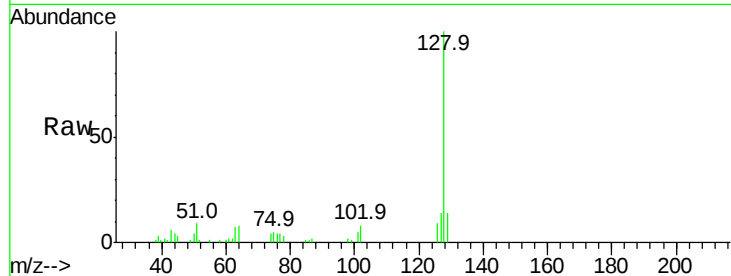




#31
Naphthalene
Concen: 2.307 ng
RT: 10.66 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BG033940.D
Acq: 24 Apr 2018 4:14

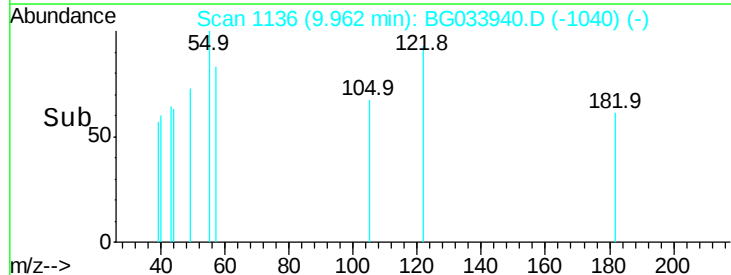
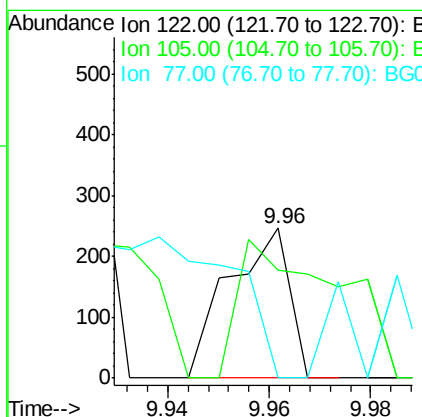
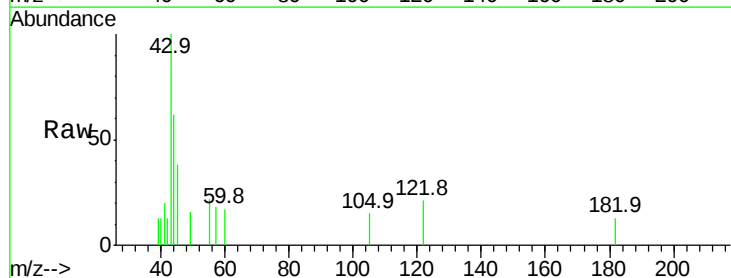
Instrument :
BNA_G
ClientSampleId :

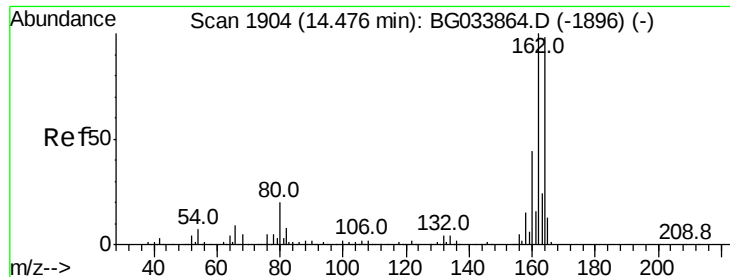
Tot Ion:128 Resp: 32191
Ion Ratio Lower Upper
128 100
129 13.9 8.6 12.8#
127 14.3 11.6 17.4



#32
Benzoic acid
Concen: 5.132 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.03 min
Lab File: BG033940.D
Acq: 24 Apr 2018 4:14

Tgt Ion:122 Resp: 205
Ion Ratio Lower Upper
122 100
105 72.0 123.5 163.5#
77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Instrument :

BNA_G

ClientSampleId :

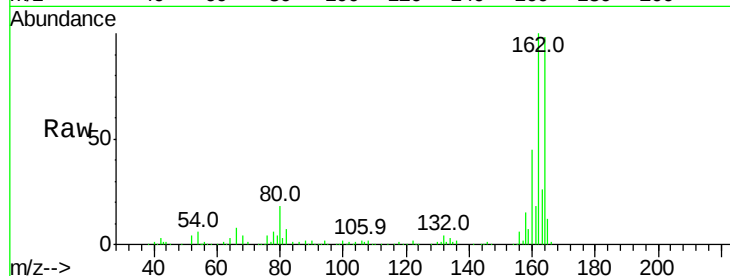
Tot Ion:164 Resp: 180275

Ion Ratio Lower Upper

164 100

162 102.3 78.8 118.2

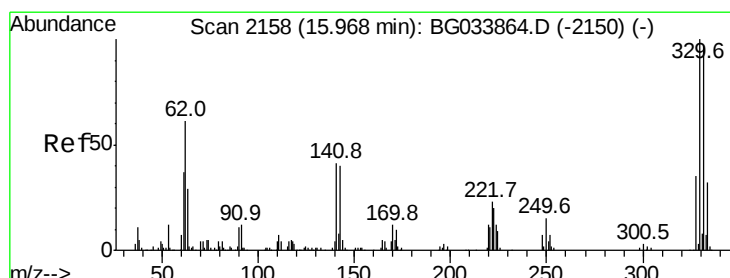
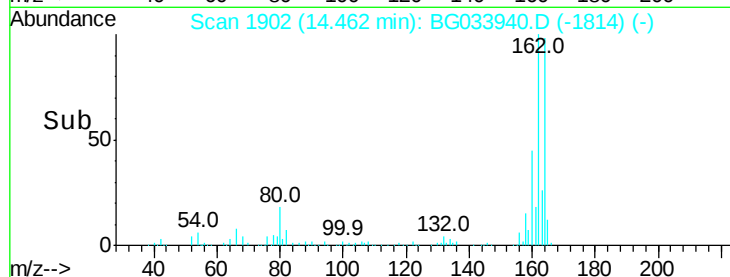
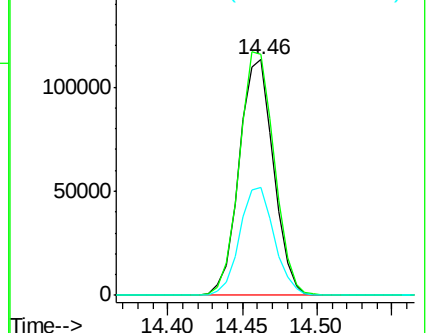
160 45.6 35.4 53.0



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: 160.061 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

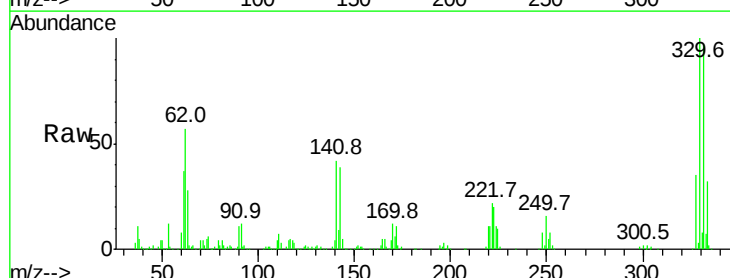
Tgt Ion:330 Resp: 336639

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

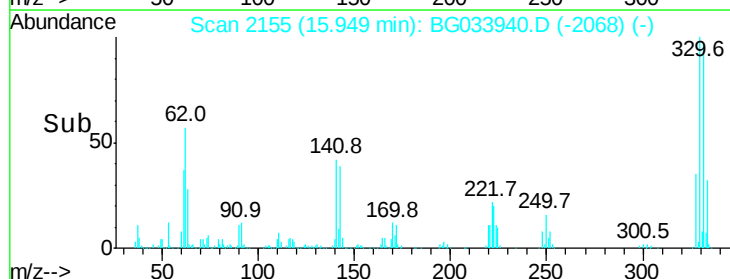
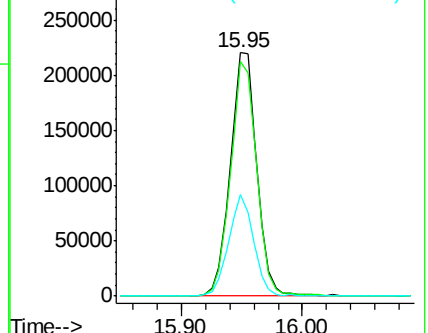
141 39.3 25.2 37.8#

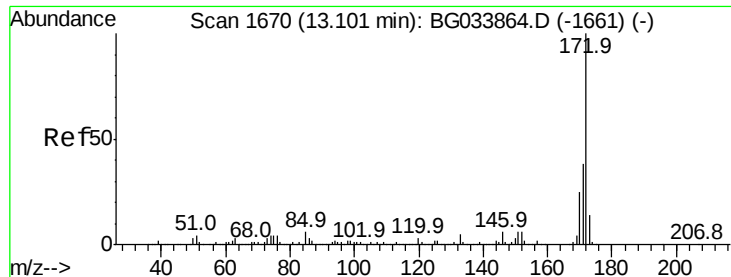


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



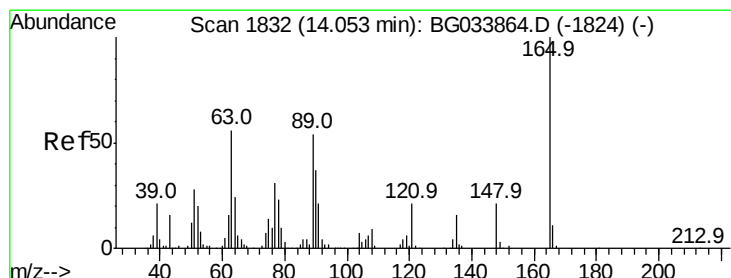
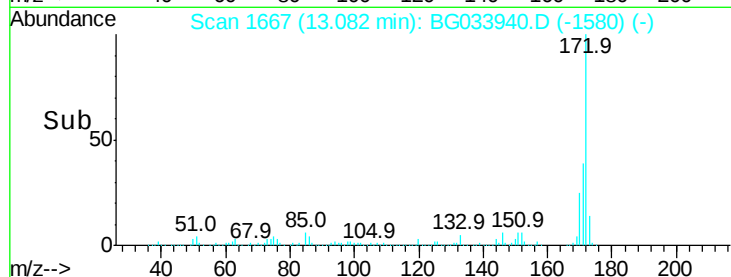
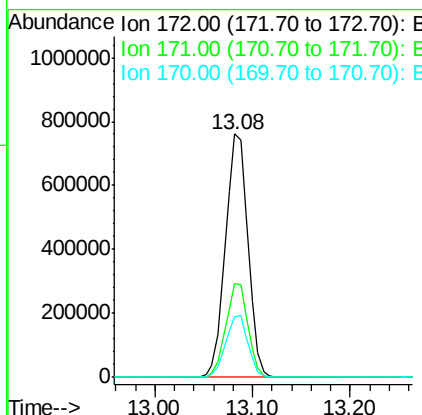
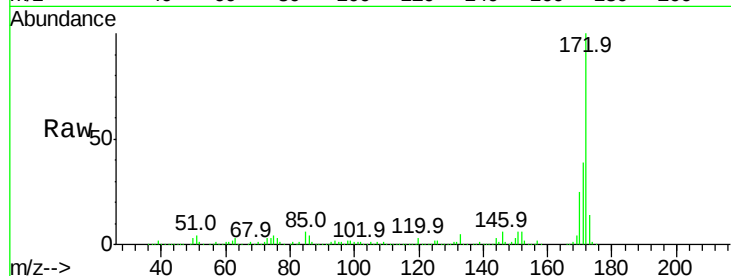


#44
 2-Fluorobiphenyl
 Concen: 99.089 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1215990

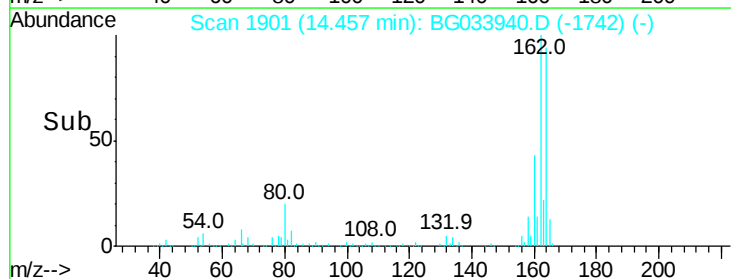
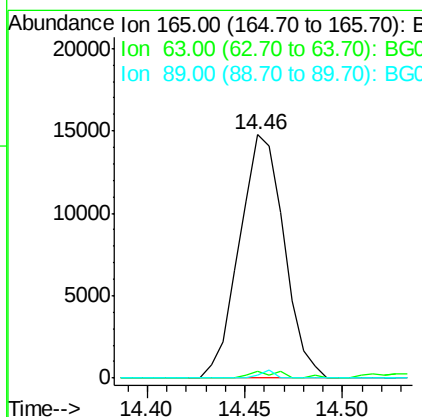
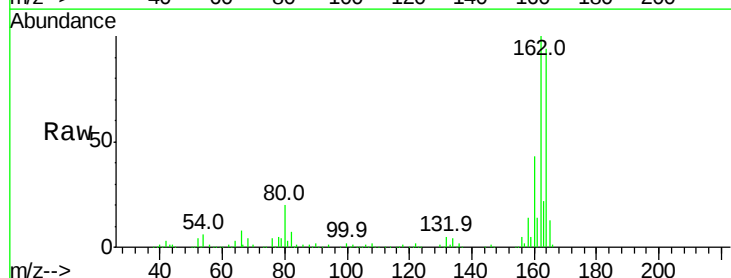
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.1	19.5	29.3

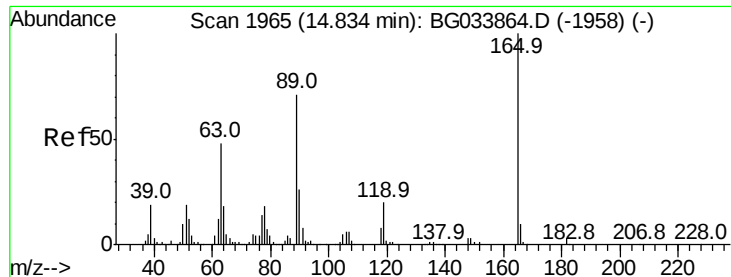


#50
 2,6-Dinitrotoluene
 Concen: 7.772 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

Tgt Ion:165 Resp: 23358

Ion	Ratio	Lower	Upper
165	100		
63	2.9	52.7	79.1#
89	1.4	49.2	73.8#

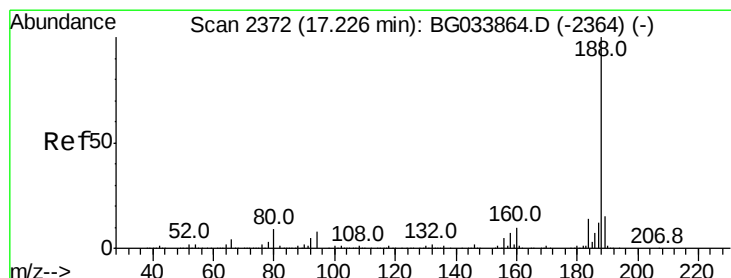
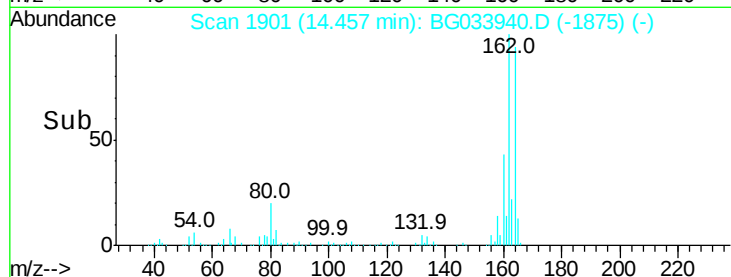
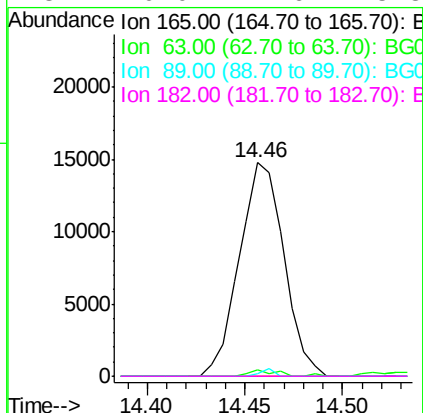
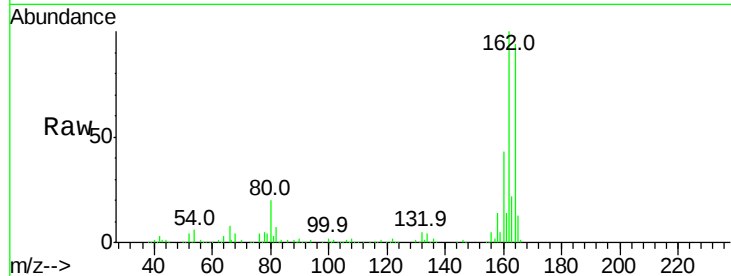




#56
 2,4-Dinitrotoluene
 Concen: 5.845 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

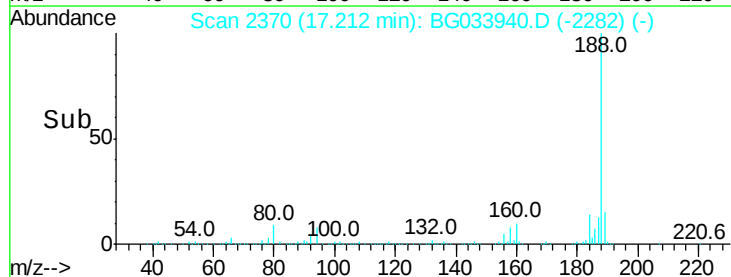
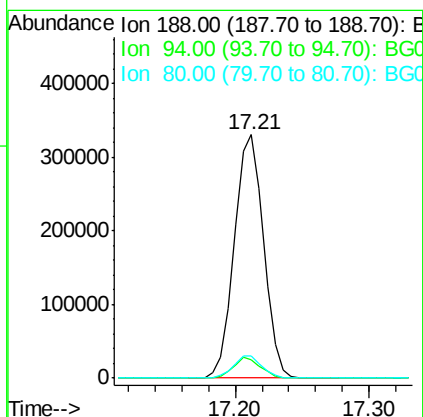
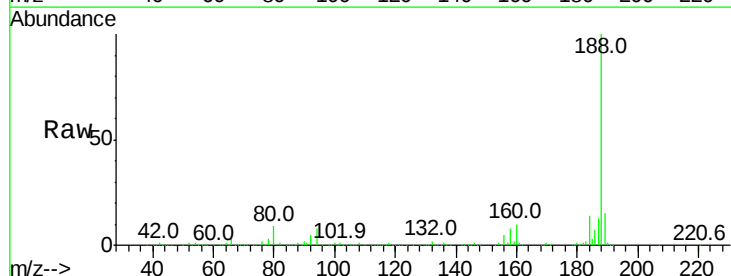
Instrument :
 BNA_G
 ClientSampleId :

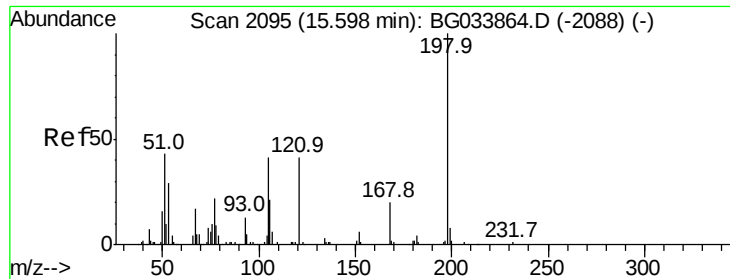
Tot Ion:165 Resp: 23358
 Ion Ratio Lower Upper
 165 100
 63 2.9 42.0 63.0#
 89 1.4 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

Tgt Ion:188 Resp: 502709
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.9 10.3
 80 9.3 7.7 11.5

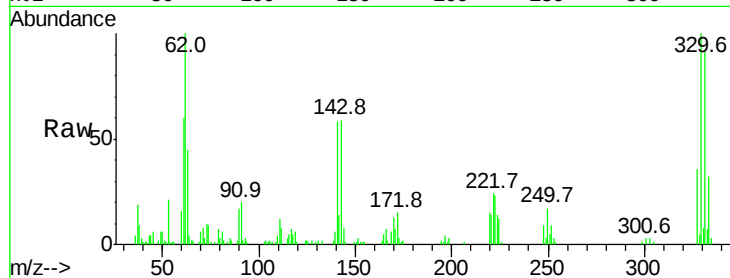




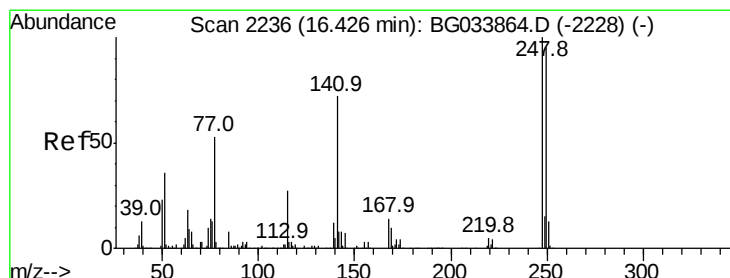
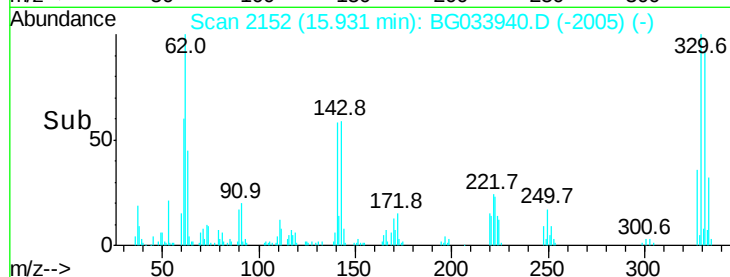
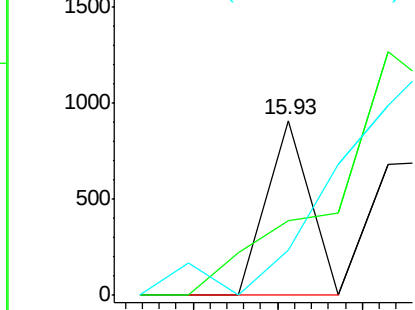
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.603 ng
 RT: 15.93 min Scan# 2152
 Delta R.T. 0.33 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 320
 Ion Ratio Lower Upper
 198 100
 51 42.9 30.6 70.6
 105 26.2 23.8 63.8

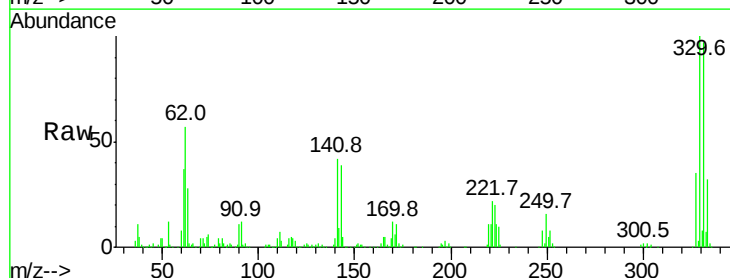


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

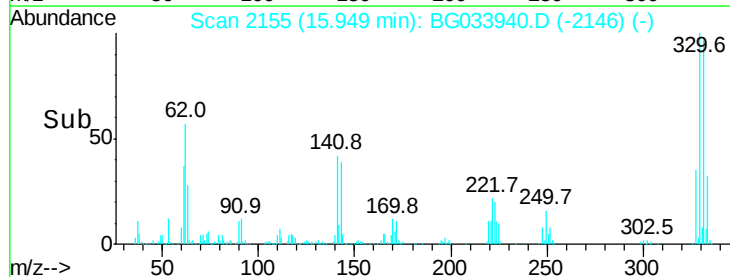
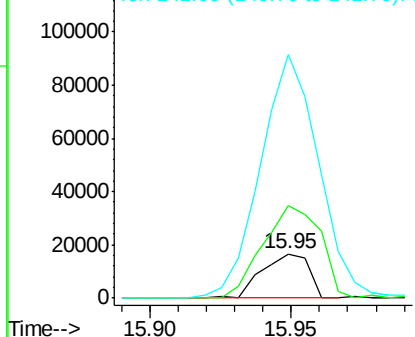


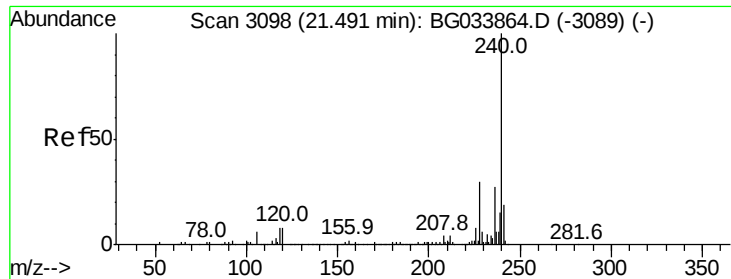
#66
 4-Bromophenyl-phenylether
 Concen: 3.414 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033940.D
 Acq: 24 Apr 2018 4:14

Tgt Ion:248 Resp: 18849
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.1 115.7#
 141 422.3 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: 21.47 min Scan# 3094

Delta R.T. -0.03 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Instrument :

BNA_G

ClientSampleId :

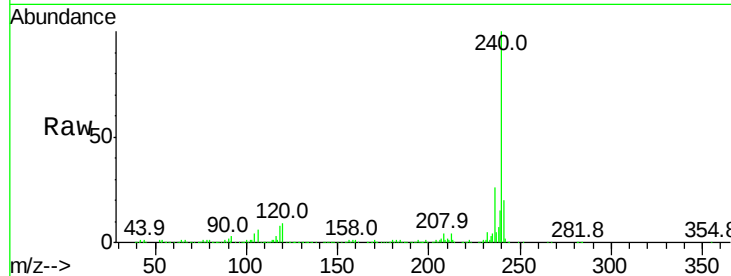
Tot Ion:240 Resp: 543635

Ion Ratio Lower Upper

240 100

120 8.8 6.8 10.2

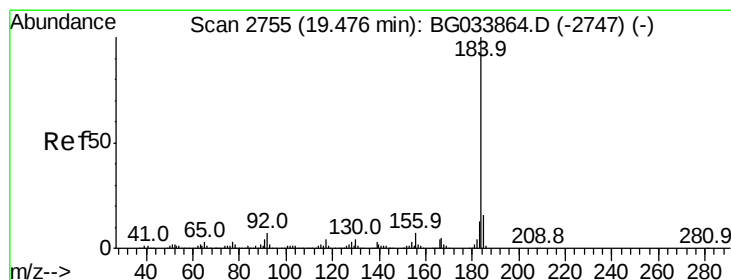
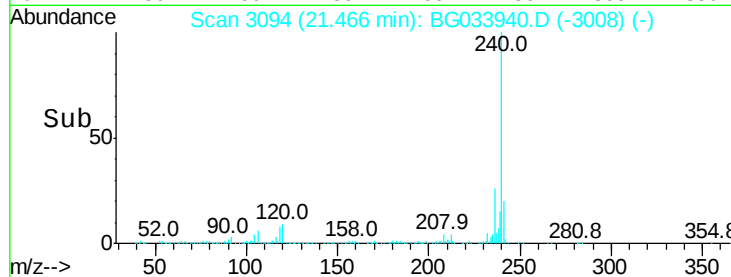
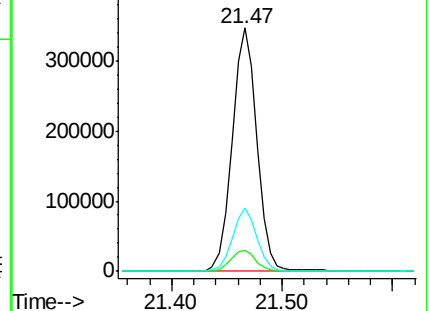
236 25.8 20.9 31.3



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: 2.777 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.02 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

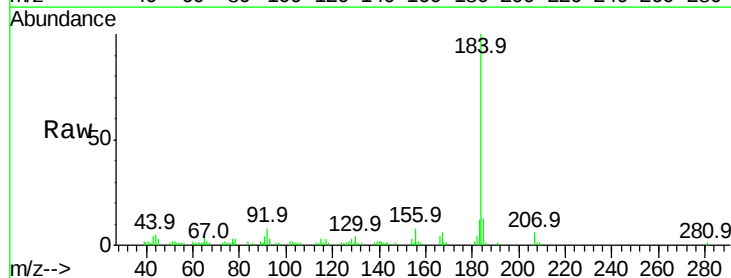
Tgt Ion:184 Resp: 40773

Ion Ratio Lower Upper

184 100

185 12.8 11.1 16.7

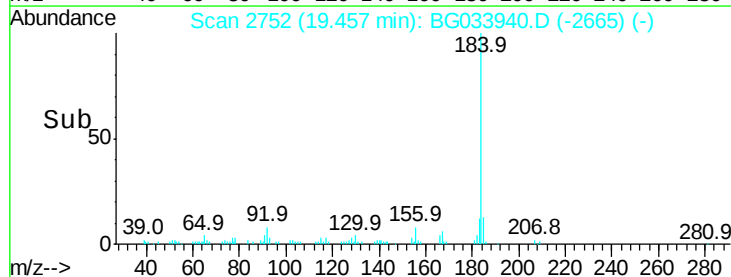
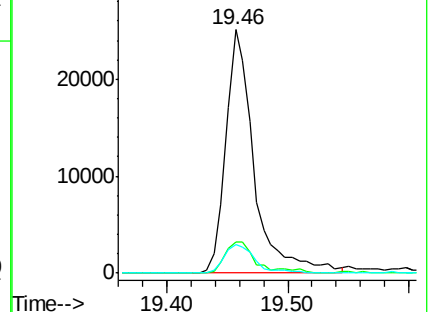
183 11.9 10.6 16.0

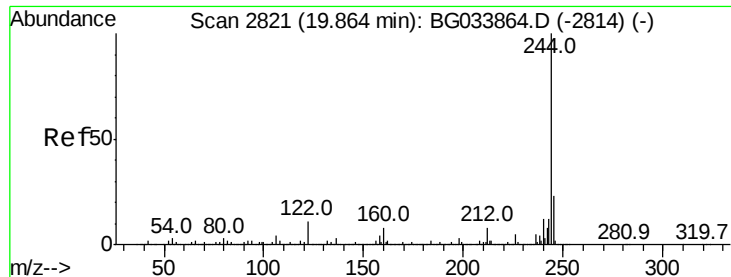


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.106 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

Instrument :

BNA_G

ClientSampleId :

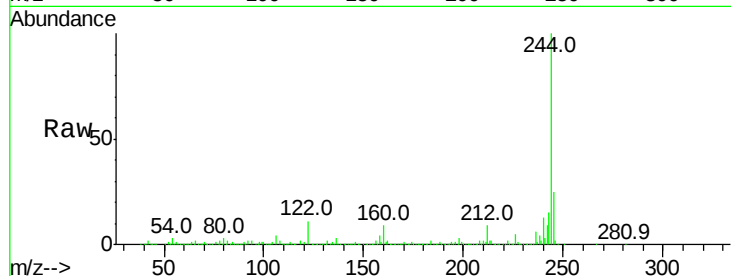
Tot Ion:244 Resp: 2301361

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

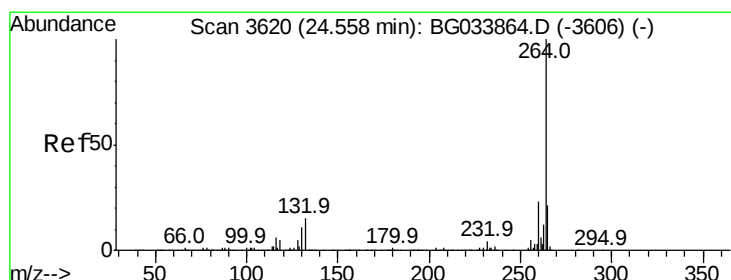
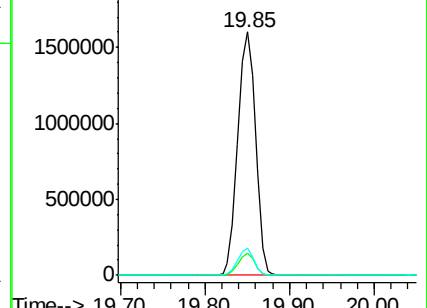
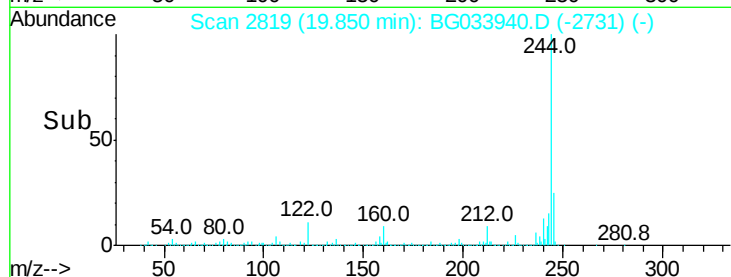
122 11.1 7.0 10.4#



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033940.D

Acq: 24 Apr 2018 4:14

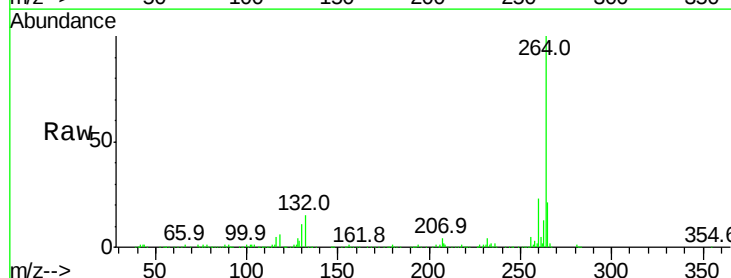
Tgt Ion:264 Resp: 529774

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 21.2 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

