

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033970.D
 Acq On : 25 Apr 2018 2:26
 Operator : SJ/JU
 Sample : J2151-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 03:20:23 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

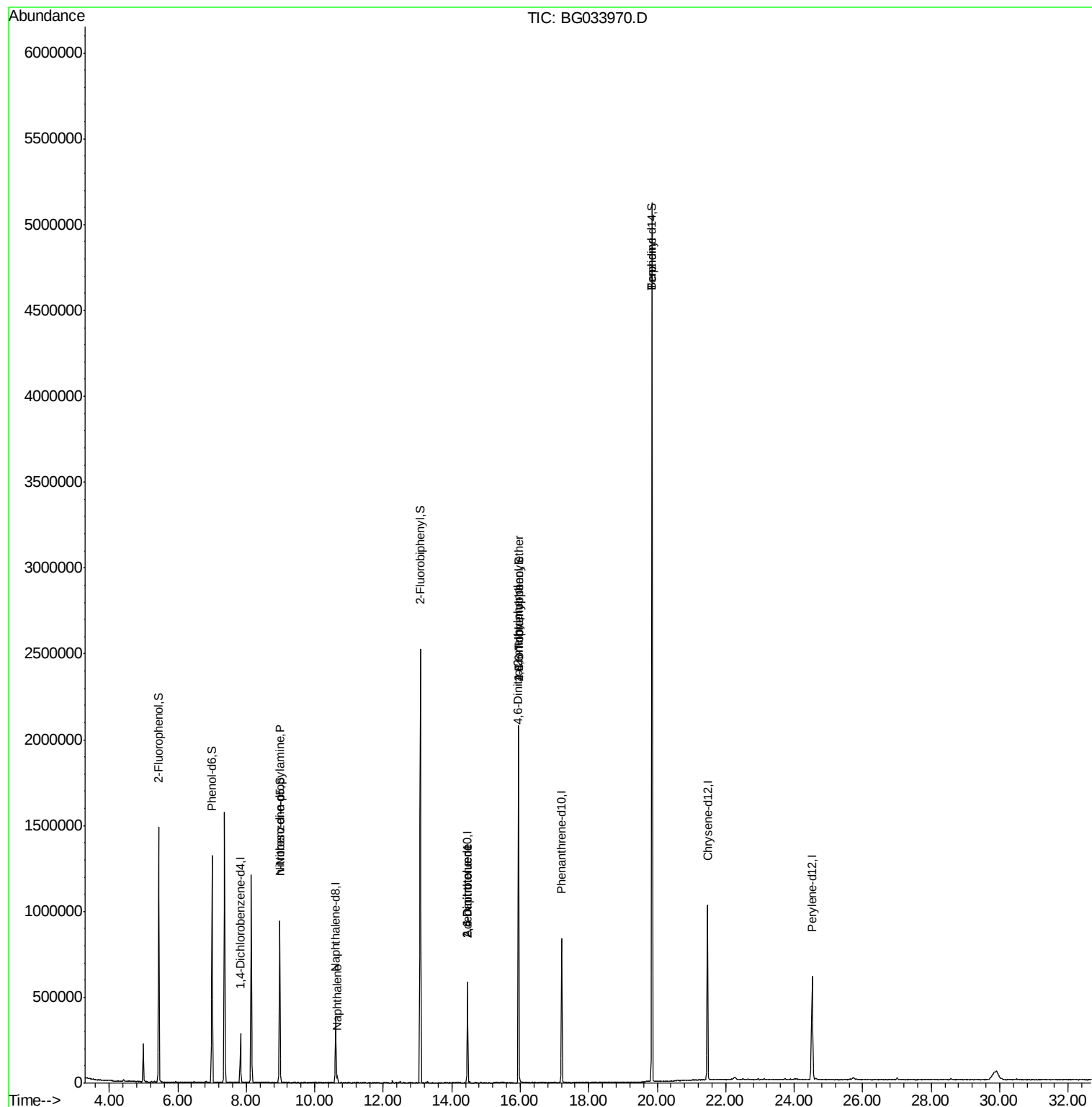
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	79594	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	331503	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	203770	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	519292	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	605044	20.00	ng	-0.02
86) Perylene-d12	24.52	264	620933	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	632787	126.93	ng	0.00
7) Phenol-d6	7.00	99	729817	100.37	ng	0.00
23) Nitrobenzene-d5	8.98	82	567896	97.49	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	379819	159.77	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1292938	93.21	ng	-0.02
78) Terphenyl-d14	19.85	244	2245250	83.37	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.01	77	1462	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	78367	12.643 ng	#	5
31) Naphthalene	10.66	128	40337	2.366 ng	#	77
50) 2,6-Dinitrotoluene	14.46	165	26571	7.822 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	26571	5.882 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	888	6.796 ng		83
66) 4-Bromophenyl-phenylether	15.95	248	21102	3.700 ng	#	1
76) Benzydine	19.85	184	36352	2.225 ng	#	92

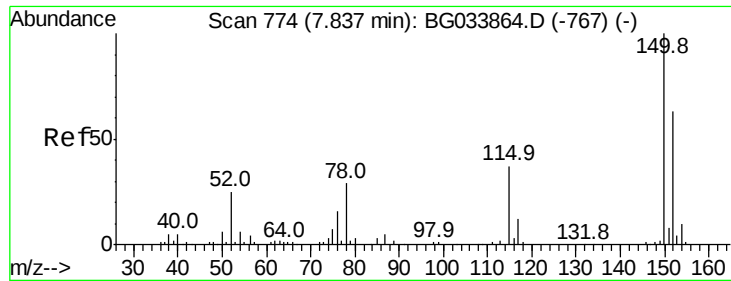
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
Data File : BG033970.D
Acq On : 25 Apr 2018 2:26
Operator : SJ/JU
Sample : J2151-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Apr 25 03:20:23 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



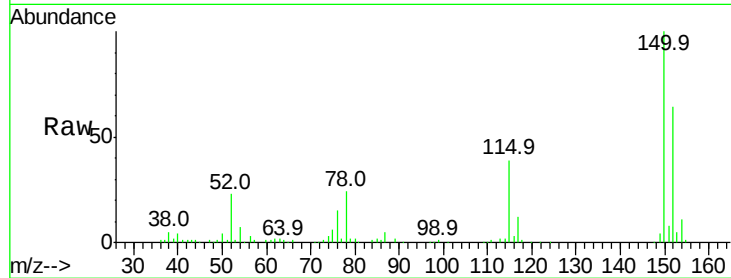


#1

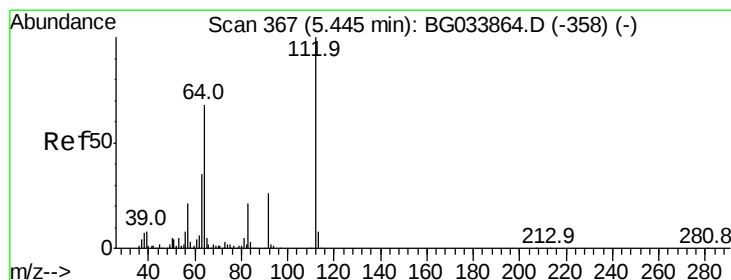
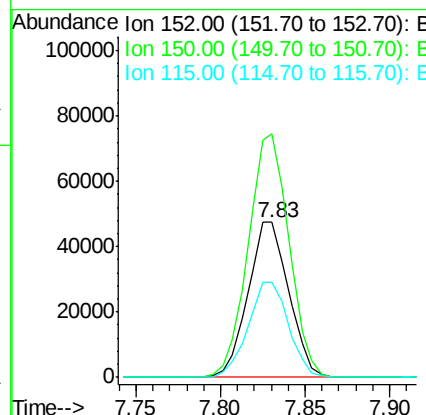
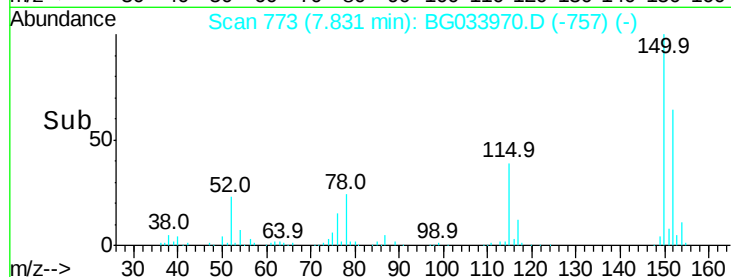
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033970.D
Acq: 25 Apr 2018 2:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 79594
Ion Ratio Lower Upper
152 100
150 156.8 126.6 189.8
115 61.1 53.0 79.4



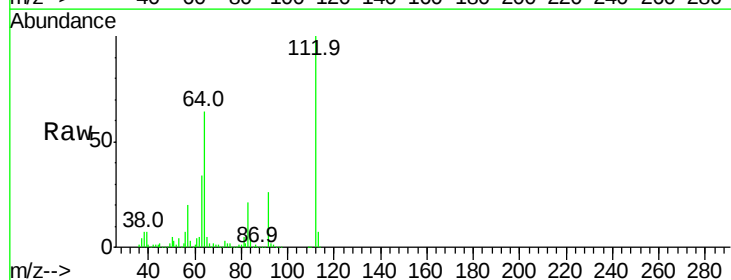
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



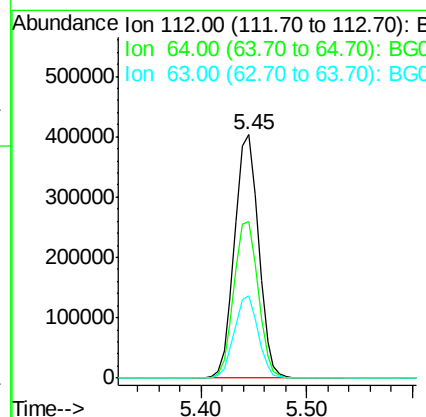
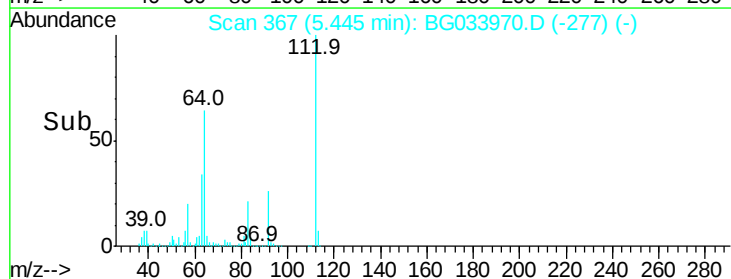
#5

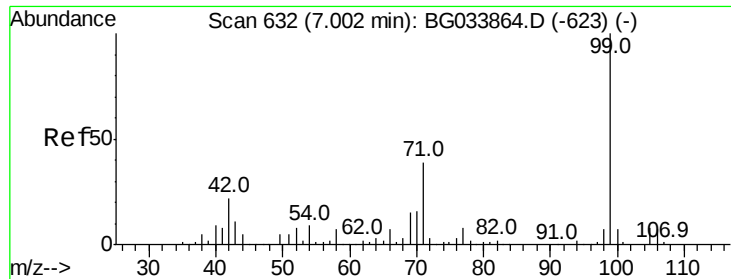
2-Fluorophenol
Concen: 126.927 ng
RT: 5.45 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033970.D
Acq: 25 Apr 2018 2:26

Tgt Ion:112 Resp: 632787
Ion Ratio Lower Upper
112 100
64 64.4 56.3 84.5
63 33.6 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: 100.366 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Instrument :

BNA_G

ClientSampled :

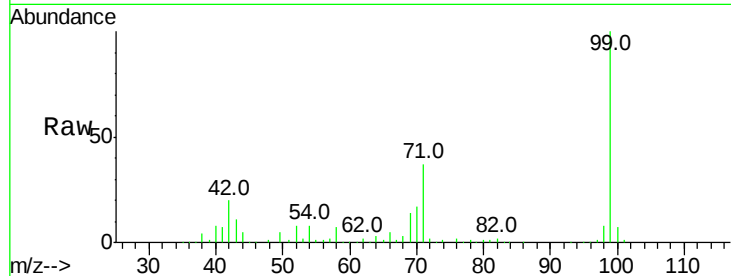
Tot Ion: 99 Resp: 729817

Ion Ratio Lower Upper

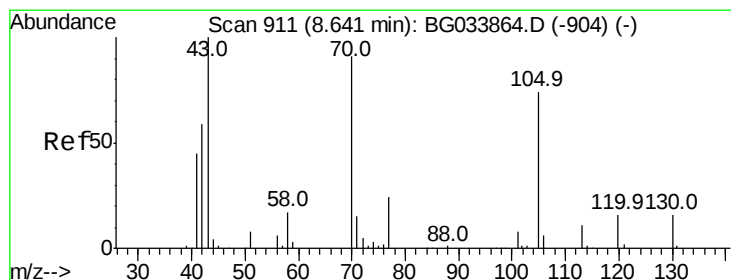
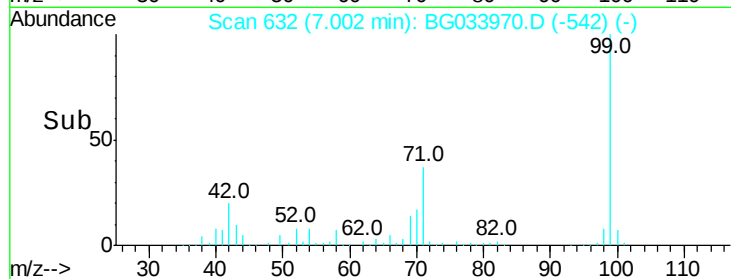
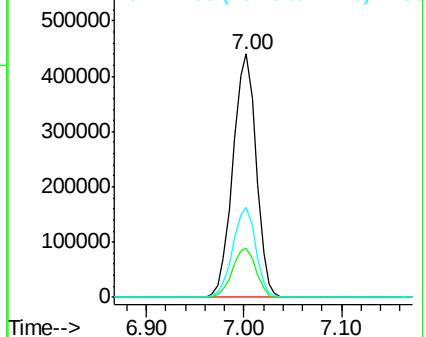
99 100

42 20.1 14.1 21.1

71 37.1 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: 12.643 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Tgt Ion: 70 Resp: 78367

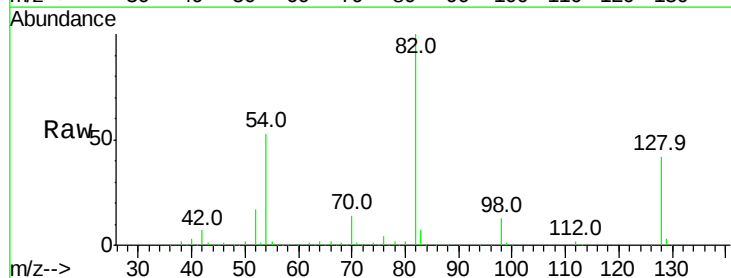
Ion Ratio Lower Upper

70 100

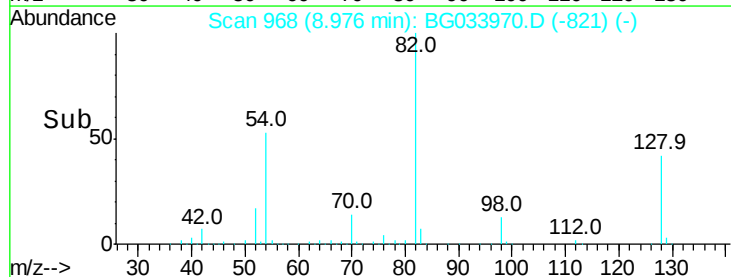
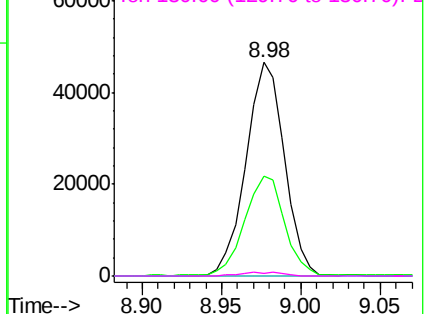
42 47.0 49.1 73.7#

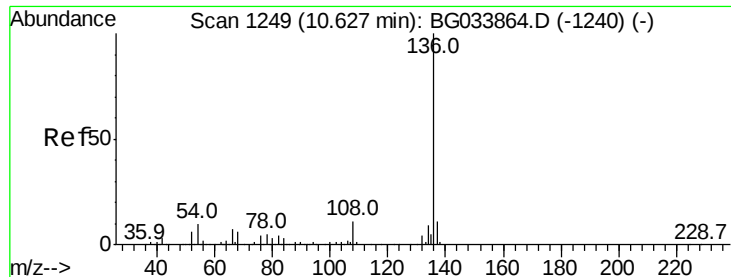
101 0.0 8.5 12.7#

130 1.5 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

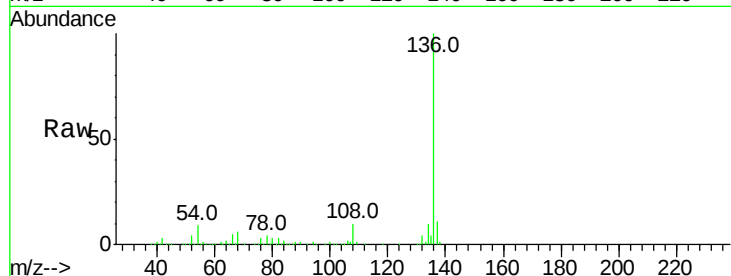




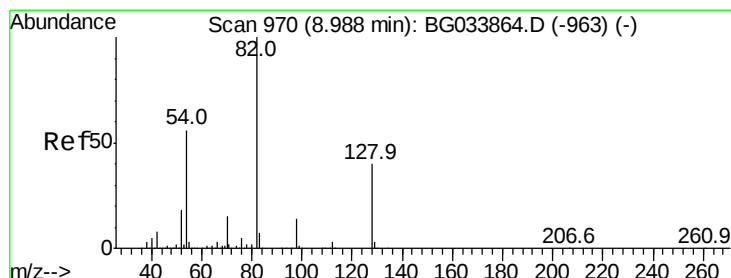
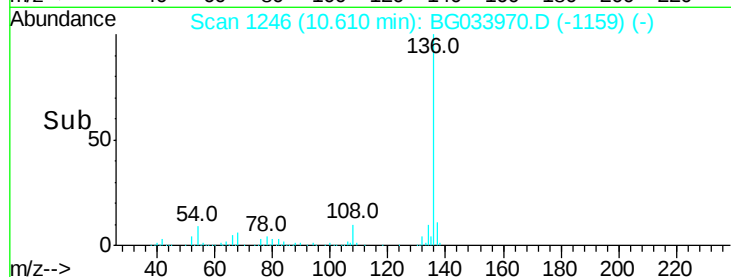
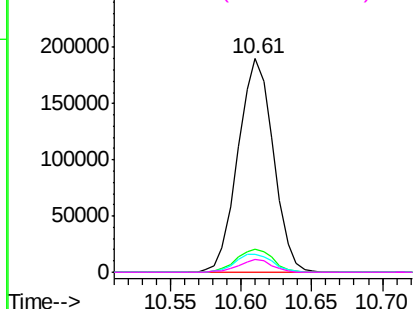
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033970.D
Acq: 25 Apr 2018 2:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	331503
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	8.7	10.3 15.5#
68	5.8	4.5 6.7

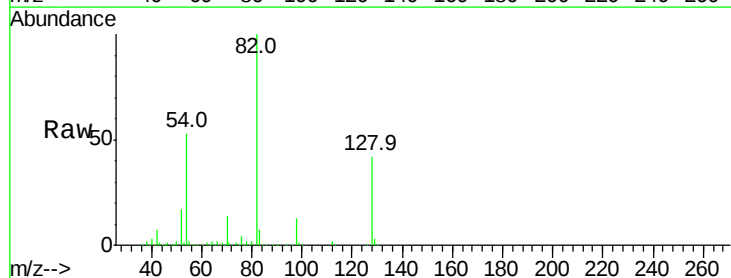


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

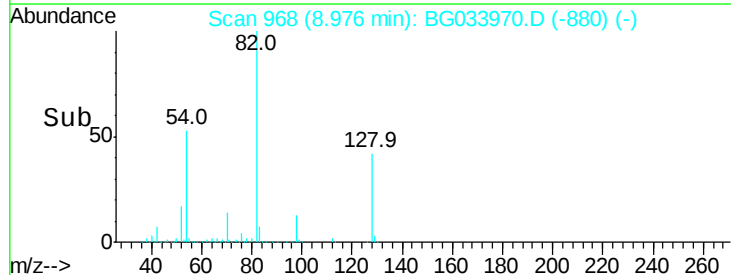
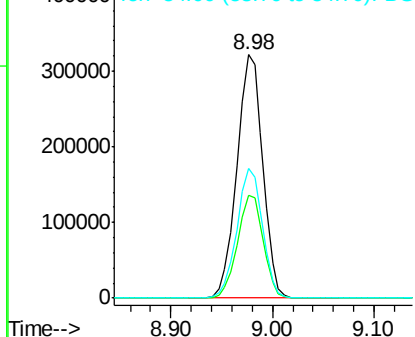


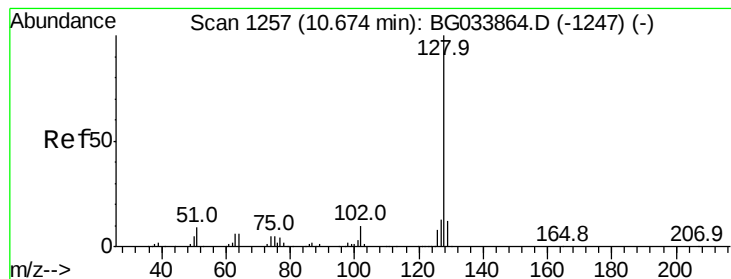
#23
Nitrobenzene-d5
Concen: 97.492 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033970.D
Acq: 25 Apr 2018 2:26

Tgt Ion: 82	Resp:	567896
Ion Ratio	Lower	Upper
82	100	
128	42.1	29.7 44.5
54	53.4	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: 2.366 ng

RT: 10.66 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

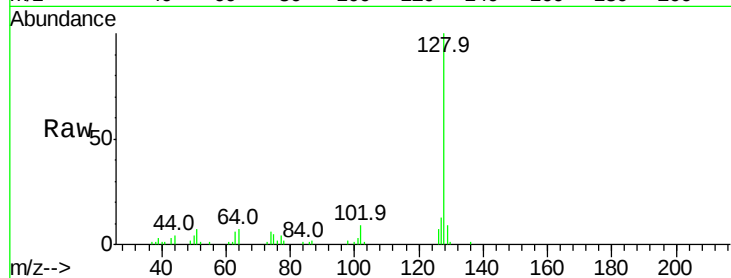
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 40337

Ion	Ratio	Lower	Upper
128	100		
129	9.2	8.6	12.8
127	13.4	11.6	17.4

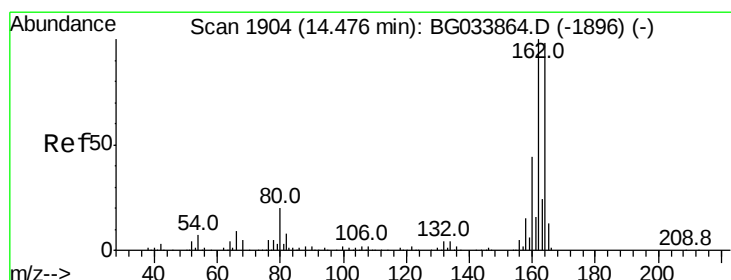
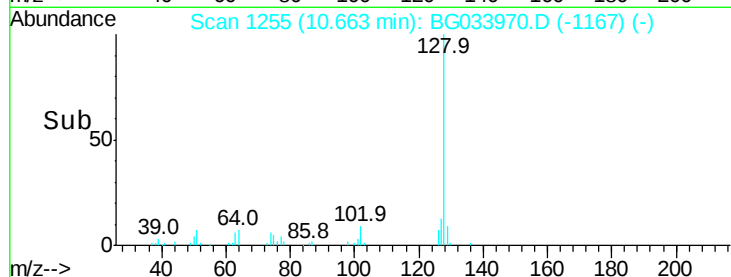
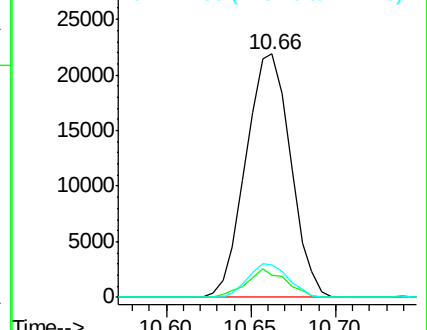


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

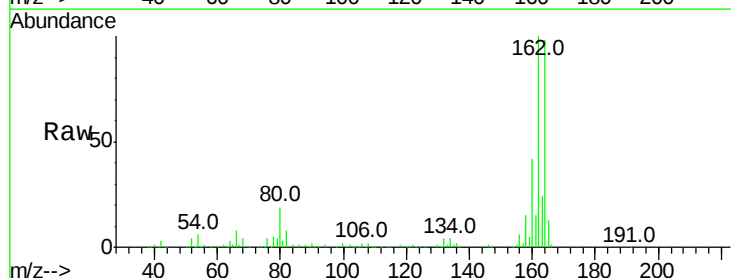
Delta R.T. -0.02 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Tgt Ion:164 Resp: 203770

Ion	Ratio	Lower	Upper
164	100		
162	102.3	78.8	118.2
160	43.2	35.4	53.0

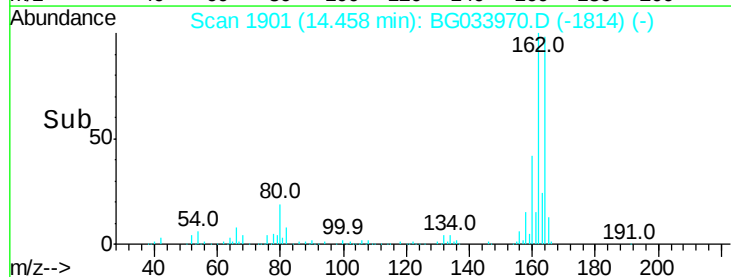
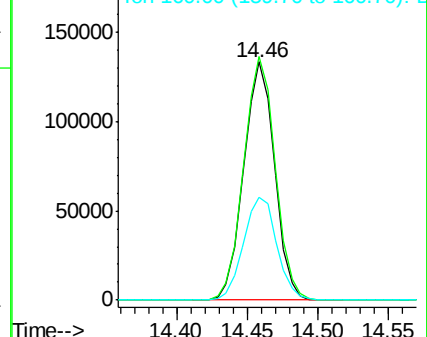


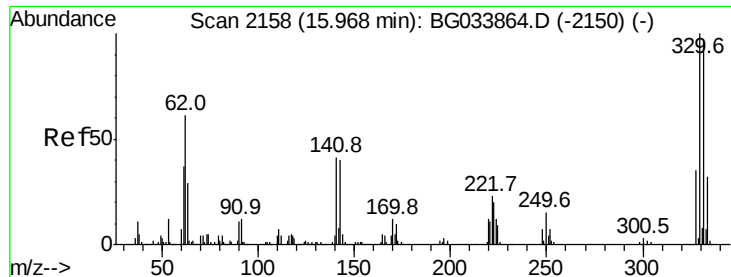
Abundance

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

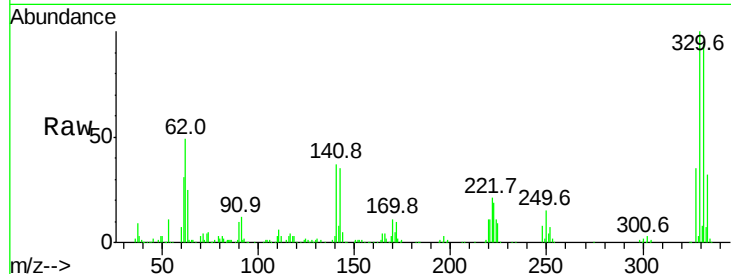




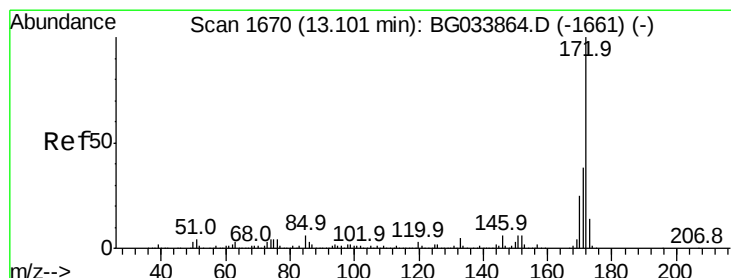
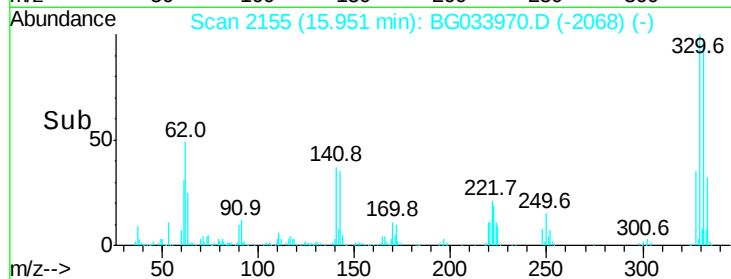
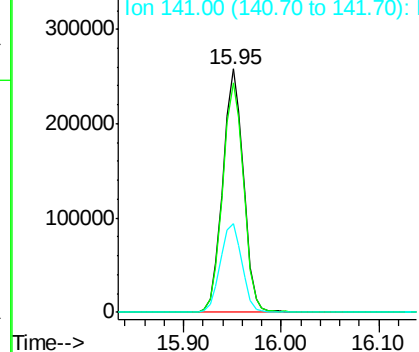
#41
 2,4,6-Tribromophenol
 Concen: 159.769 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	37.9	25.2	37.8#

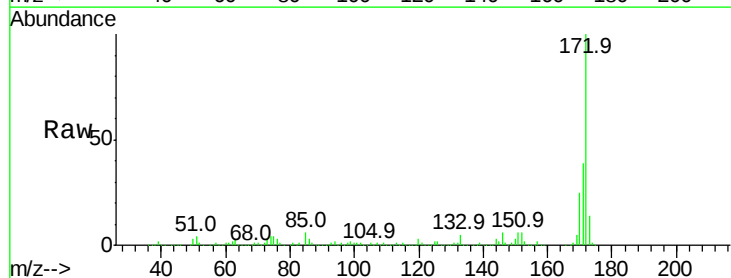


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

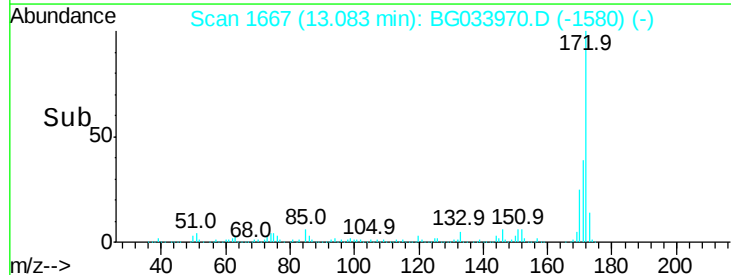
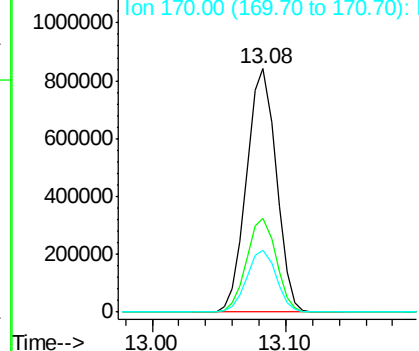


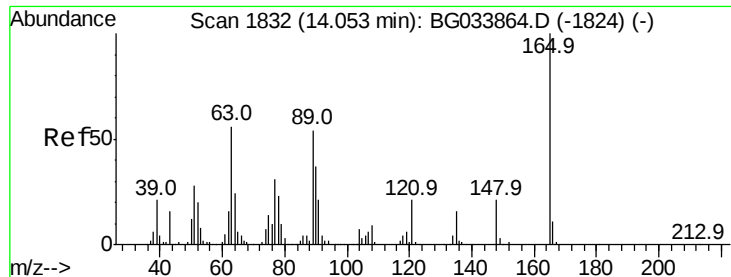
#44
 2-Fluorobiphenyl
 Concen: 93.211 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.3	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





#50

2,6-Dinitrotoluene

Concen: 7.822 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.41 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Instrument :

BNA_G

ClientSampleId :

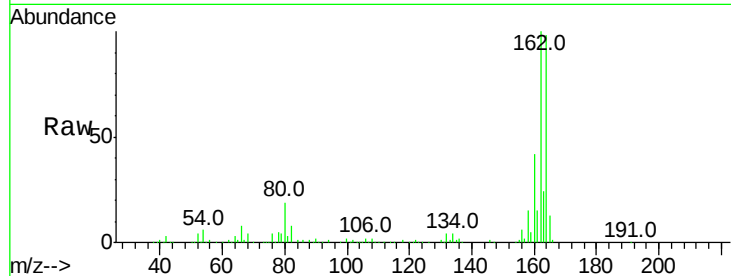
Tot Ion:165 Resp: 26571

Ion Ratio Lower Upper

165 100

63 2.1 52.7 79.1#

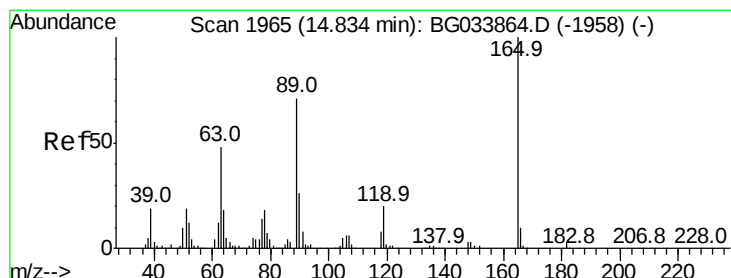
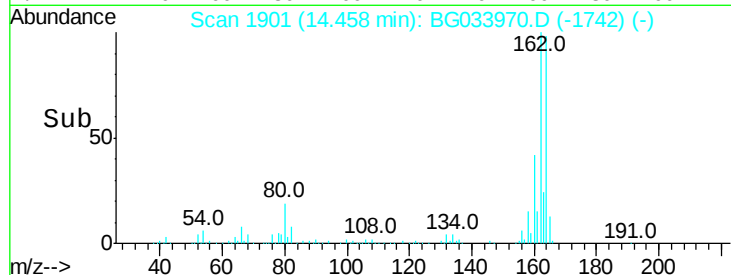
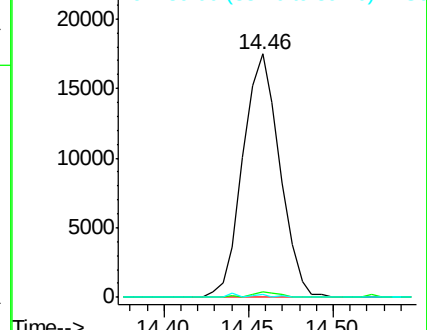
89 1.4 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.882 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Tgt Ion:165 Resp: 26571

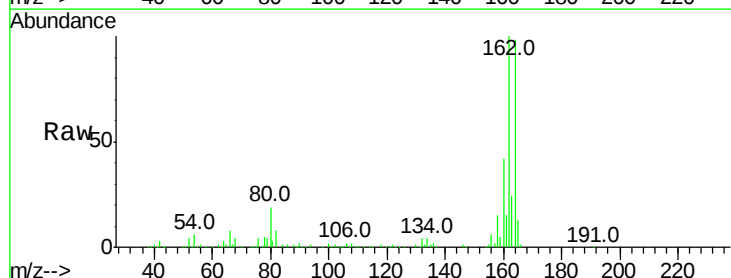
Ion Ratio Lower Upper

165 100

63 2.1 42.0 63.0#

89 1.4 66.9 100.3#

182 0.0 2.6 3.8#

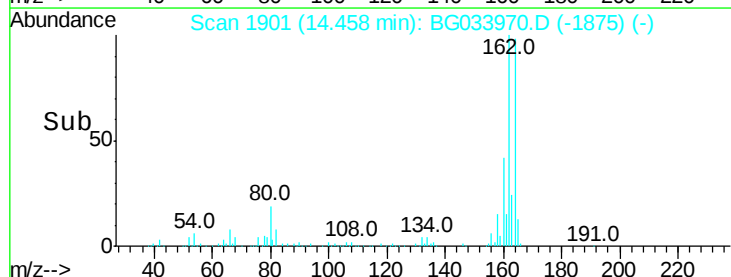
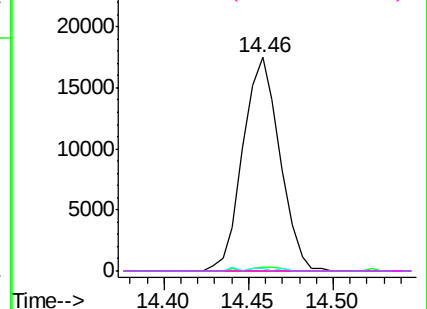


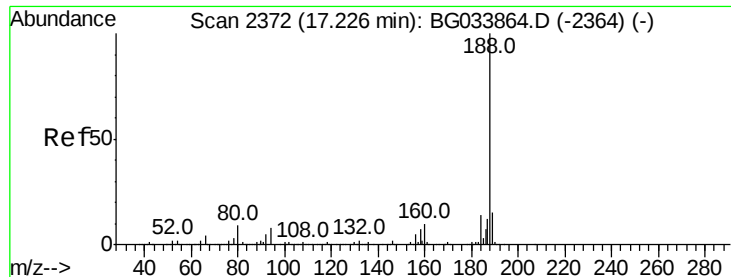
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

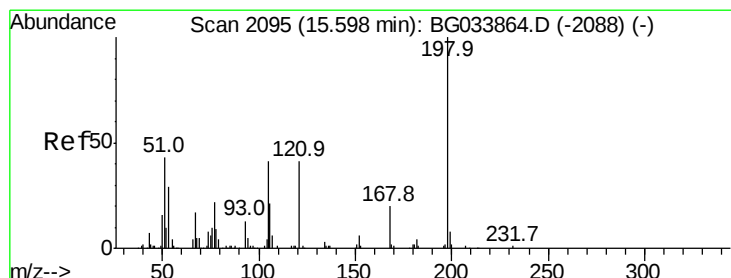
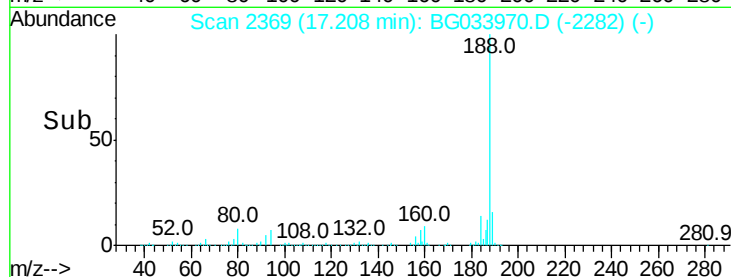
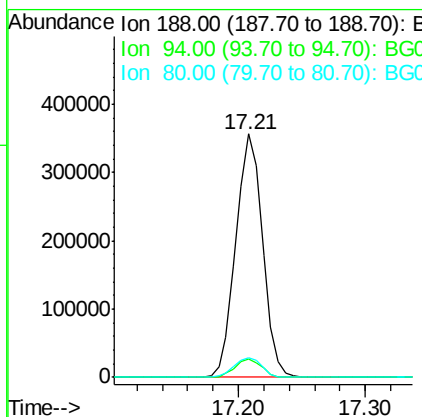
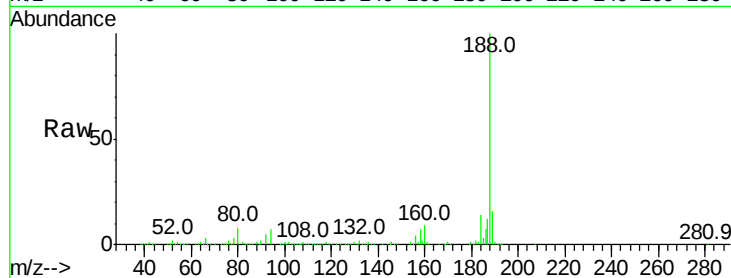




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

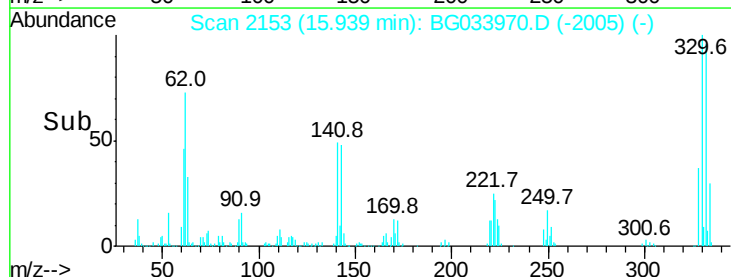
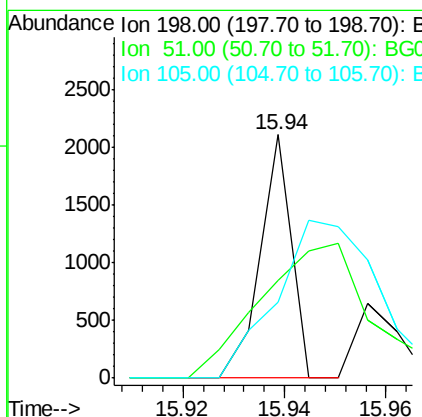
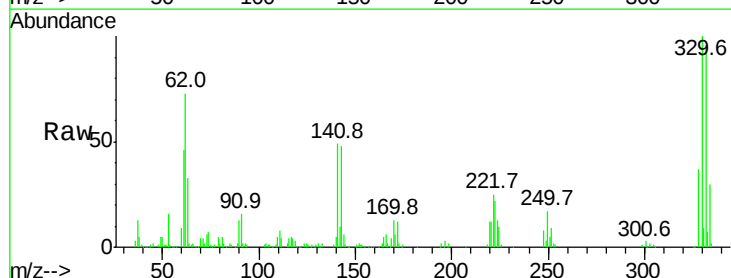
Instrument :
 BNA_G
 ClientSampleId :

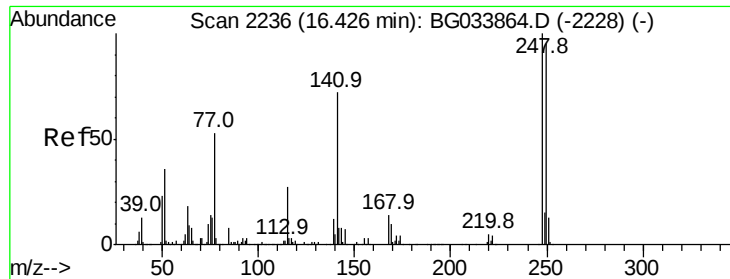
Tot Ion:188 Resp: 519292
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.0 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.796 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Tgt Ion:198 Resp: 888
 Ion Ratio Lower Upper
 198 100
 51 39.9 30.6 70.6
 105 31.4 23.8 63.8

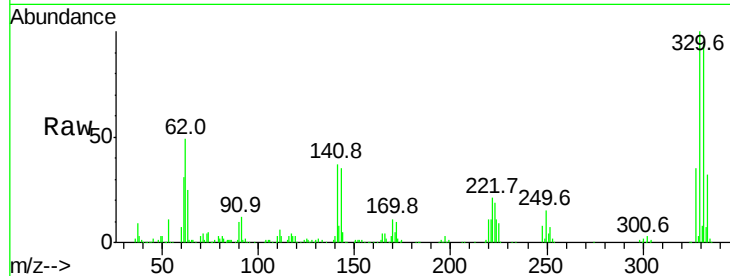




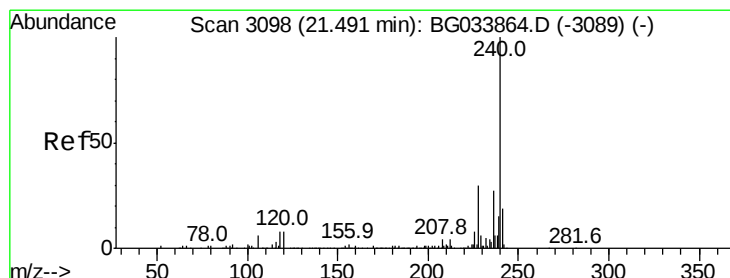
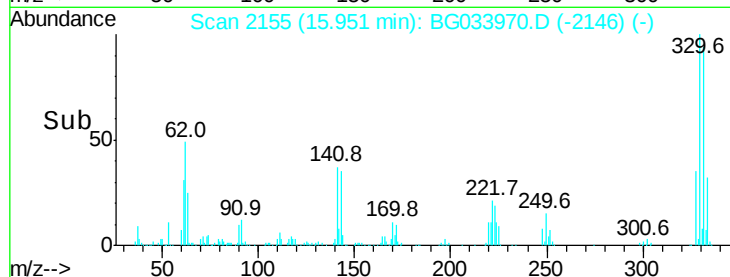
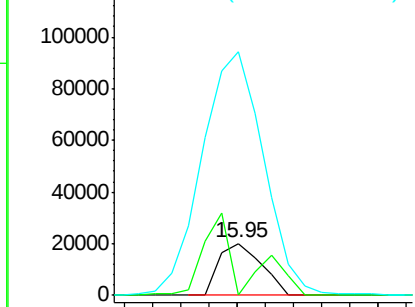
#66
 4-Bromophenyl-phenylether
 Concen: 3.700 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21102
 Ion Ratio Lower Upper
 248 100
 250 38.6 77.1 115.7#
 141 357.1 50.8 76.2#

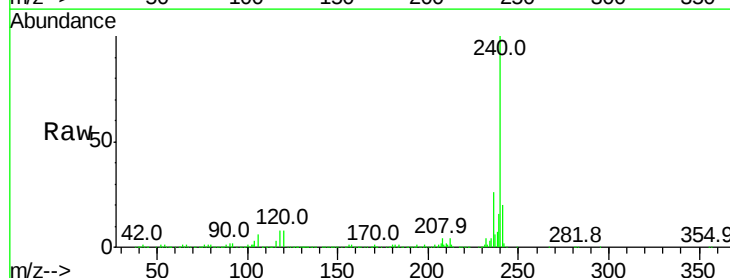


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

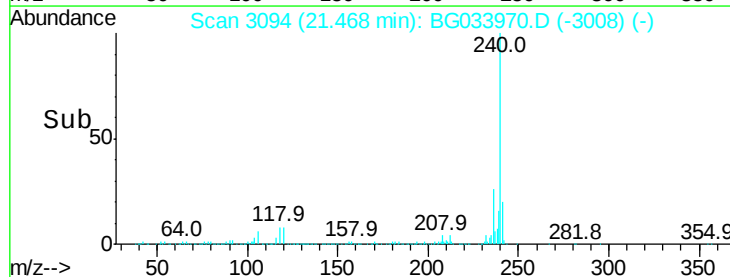
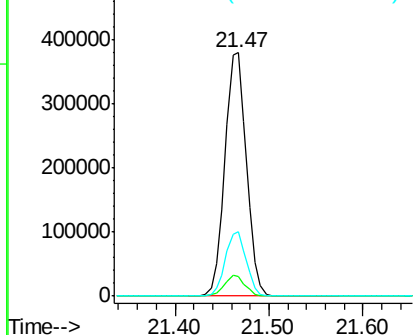


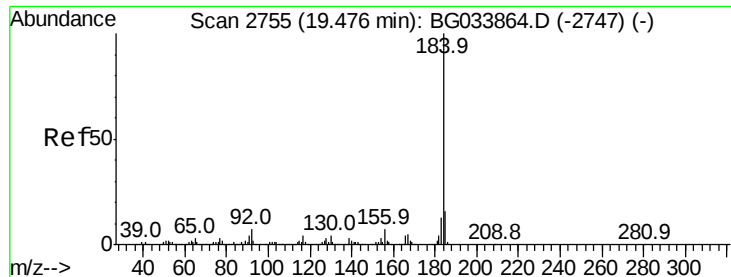
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Tgt Ion:240 Resp: 605044
 Ion Ratio Lower Upper
 240 100
 120 8.1 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: 2.225 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

Instrument :

BNA_G

ClientSampleId :

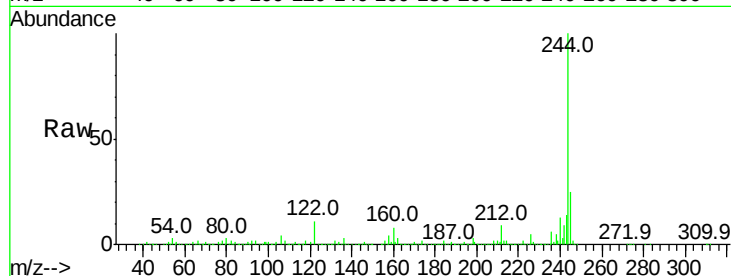
Tot Ion:184 Resp: 36352

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

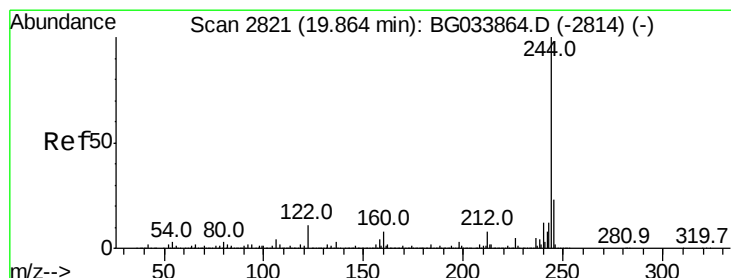
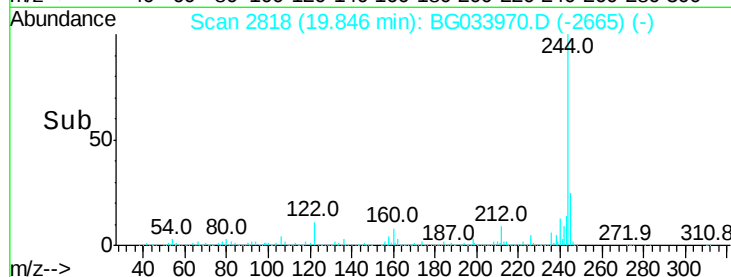
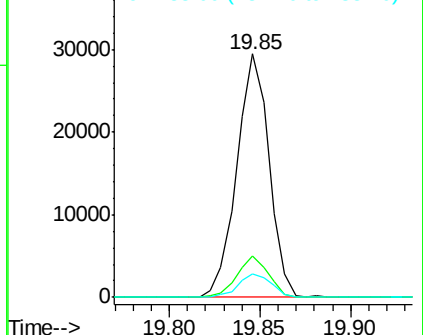
183 9.6 10.6 16.0#



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: 83.369 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033970.D

Acq: 25 Apr 2018 2:26

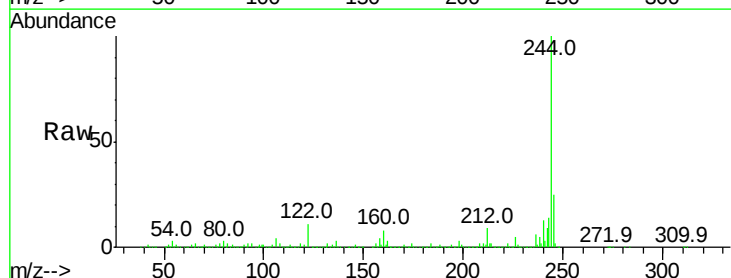
Tgt Ion:244 Resp: 2245250

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8#

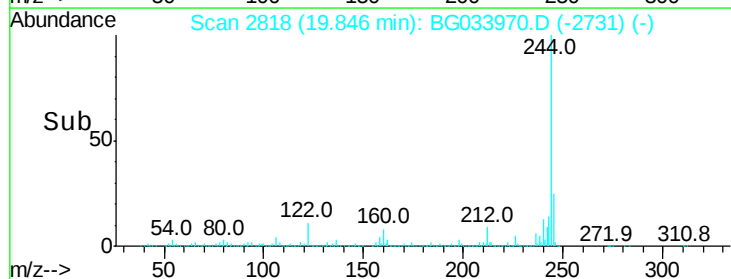
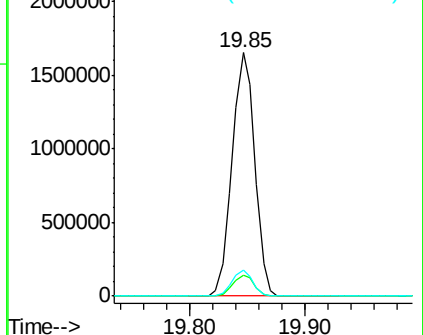
122 10.9 7.0 10.4#

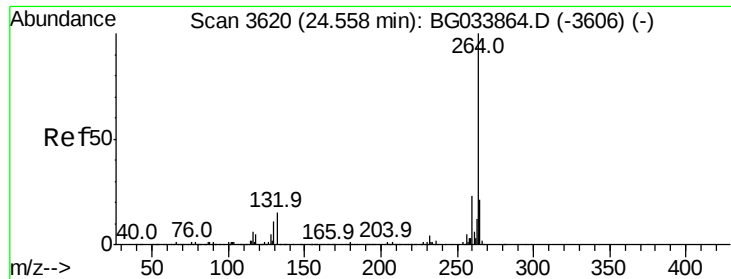


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

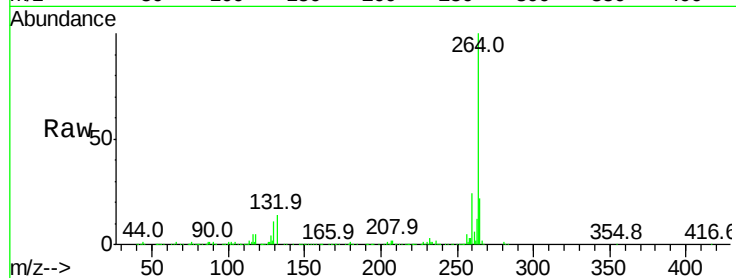




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: BG033970.D
 Acq: 25 Apr 2018 2:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.4	26.0
265	21.9	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

