

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033972.D
 Acq On : 25 Apr 2018 3:42
 Operator : SJ/JU
 Sample : J2151-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:51:16 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

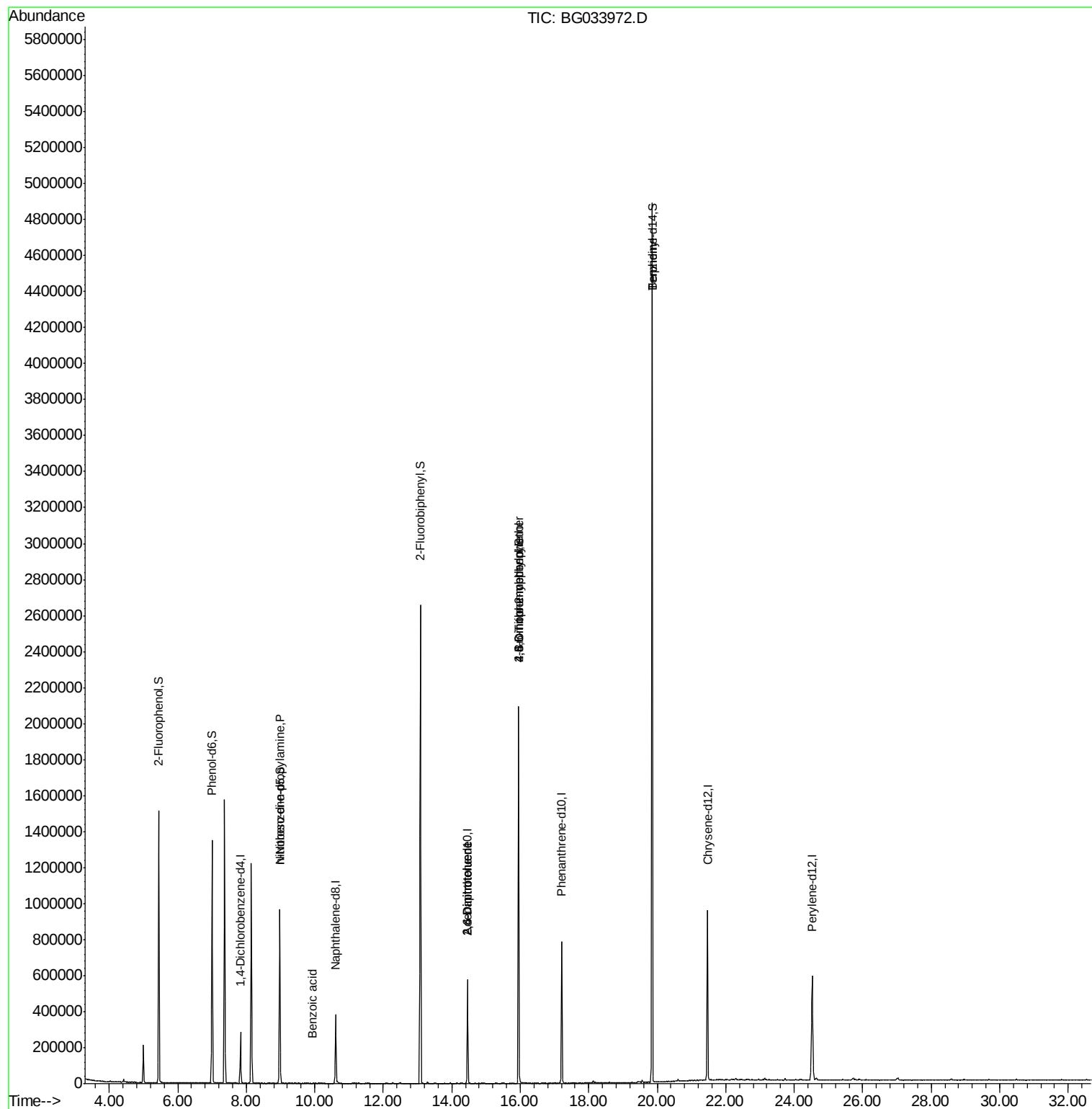
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	77925	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	320341	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	197930	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	504066	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	565630	20.00	ng	-0.02
86) Perylene-d12	24.52	264	578414	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	635664	130.24	ng	0.00
7) Phenol-d6	7.00	99	755227	106.09	ng	0.00
23) Nitrobenzene-d5	8.98	82	580112	103.06	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	383186	165.94	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1370591	101.72	ng	-0.02
78) Terphenyl-d14	19.85	244	2356026	93.58	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1455	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.97	70	79651	13.126 ng	#	18
32) Benzoic acid	9.93	122	58	5.095 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	25871	7.841 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	25871	5.896 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.95	198	1465	7.011 ng	#	67
66) 4-Bromophenyl-phenylether	15.95	248	28722	5.189 ng	#	1
76) Benzydine	19.85	184	37427	2.450 ng	#	91

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

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BNA_G
ClientSampled :

Quant Time: Apr 25 11:51:16 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



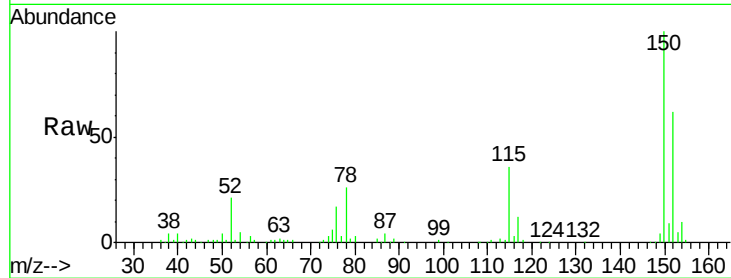


#1

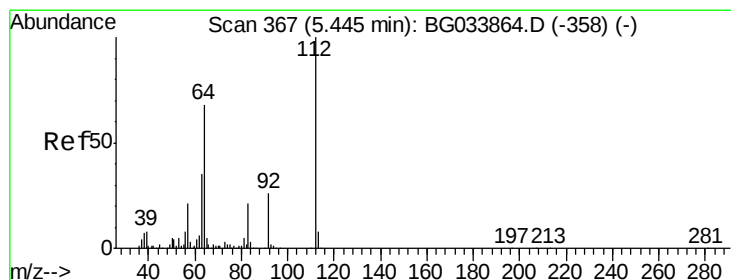
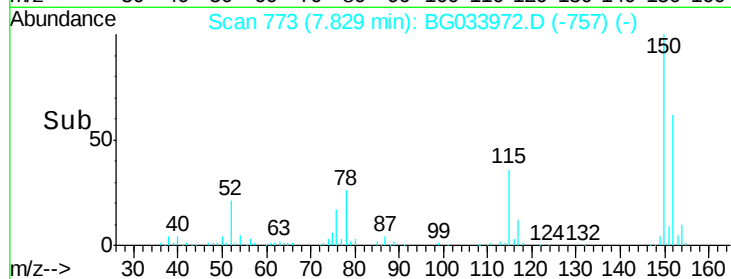
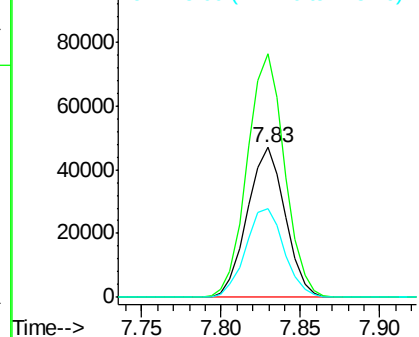
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 77925
Ion Ratio Lower Upper
152 100
150 162.2 126.6 189.8
115 58.8 53.0 79.4



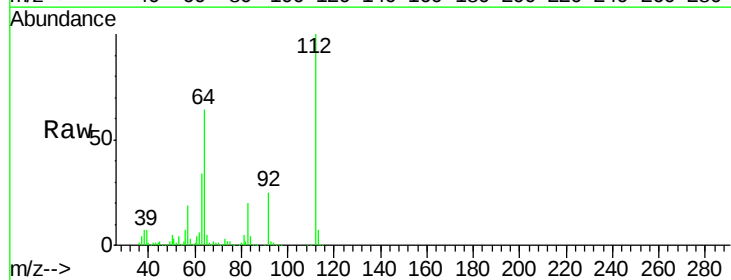
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



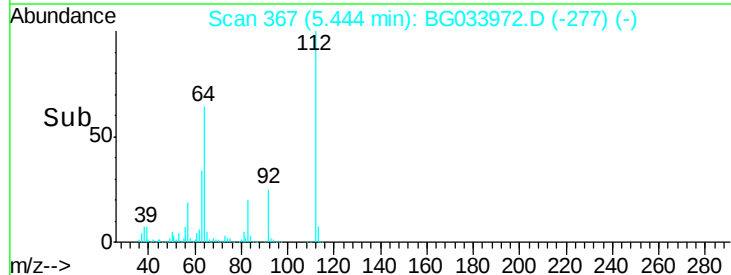
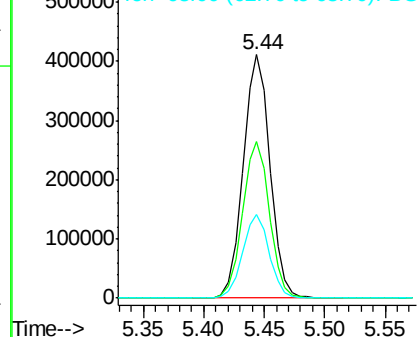
#5

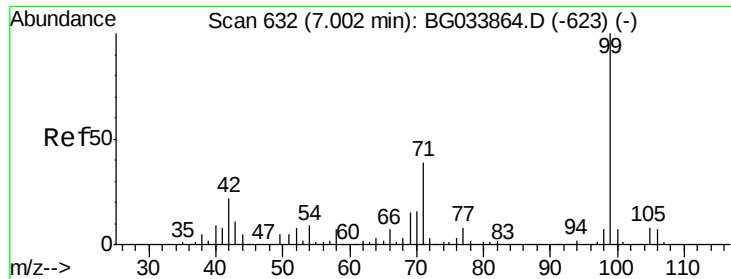
2-Fluorophenol
Concen: 130.235 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Tgt Ion:112 Resp: 635664
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 34.4 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: 106.085 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033972.D

Acq: 25 Apr 2018 3:42

Instrument :

BNA_G

ClientSampled :

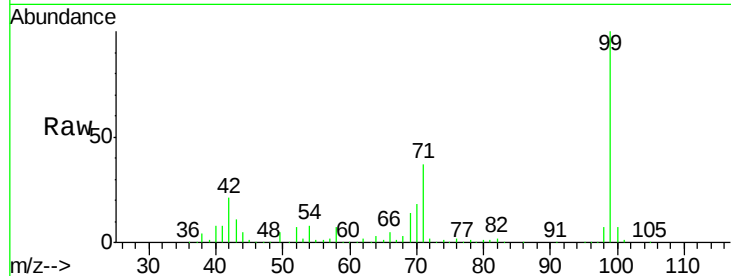
Tot Ion: 99 Resp: 755227

Ion Ratio Lower Upper

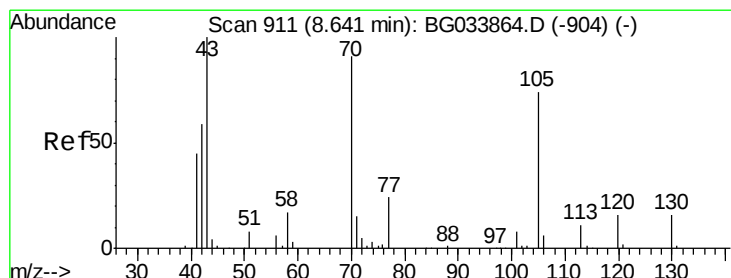
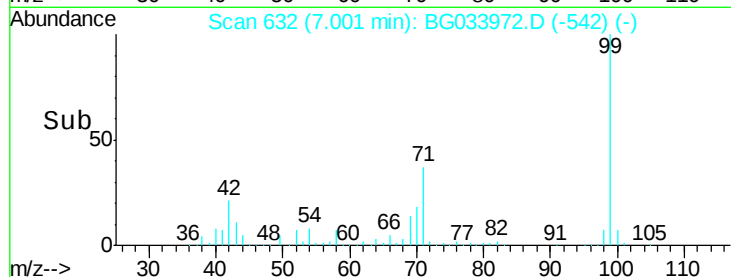
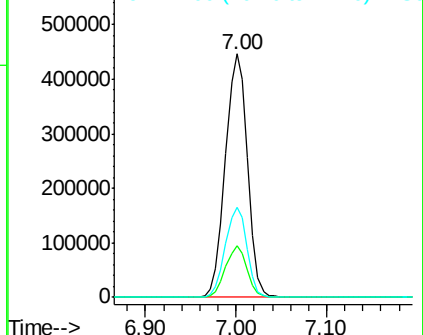
99 100

42 21.3 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: 13.126 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033972.D

Acq: 25 Apr 2018 3:42

Tgt Ion: 70 Resp: 79651

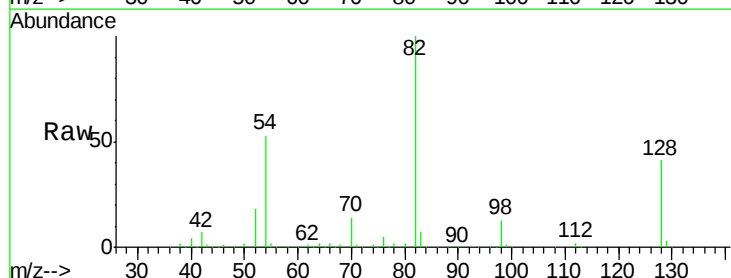
Ion Ratio Lower Upper

70 100

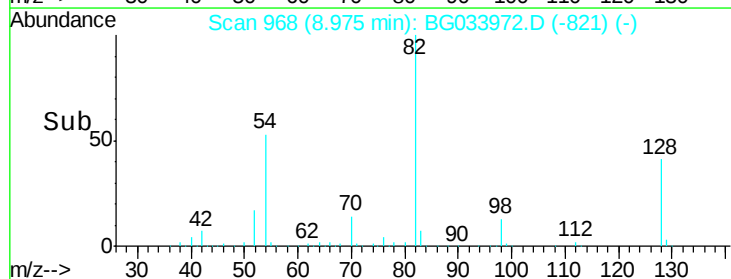
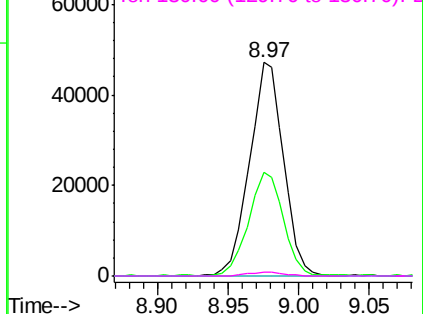
42 48.4 49.1 73.7#

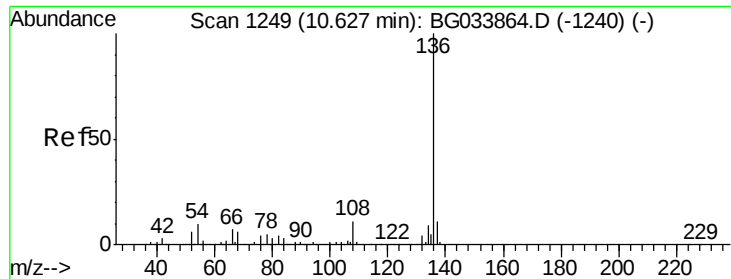
101 0.0 8.5 12.7#

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: BG033972.D

Acq: 25 Apr 2018 3:42

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 320341

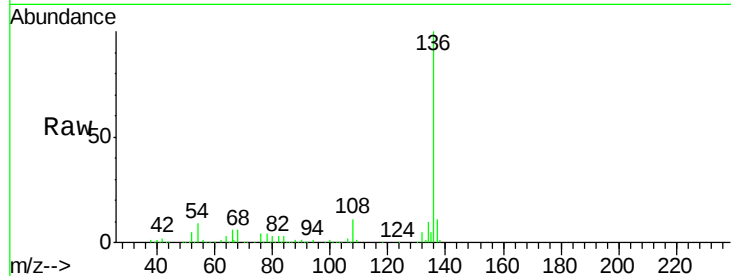
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.8 10.3 15.5#

68 5.9 4.5 6.7

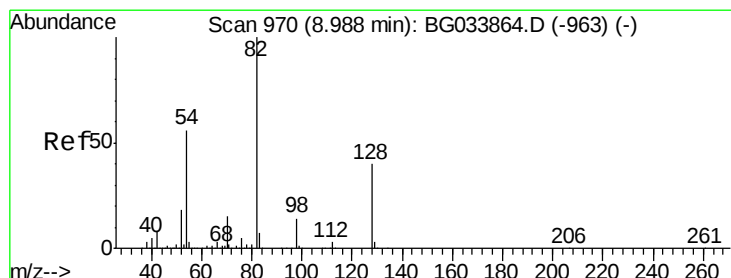
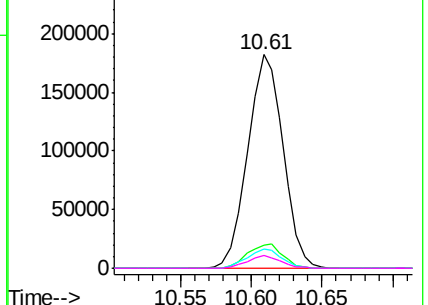
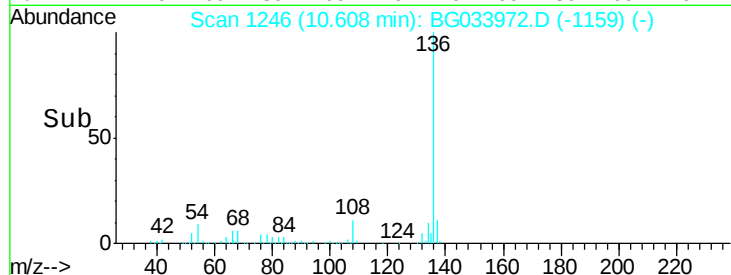


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.059 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033972.D

Acq: 25 Apr 2018 3:42

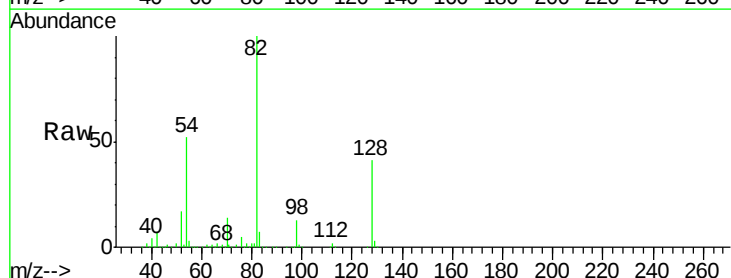
Tgt Ion: 82 Resp: 580112

Ion Ratio Lower Upper

82 100

128 41.3 29.7 44.5

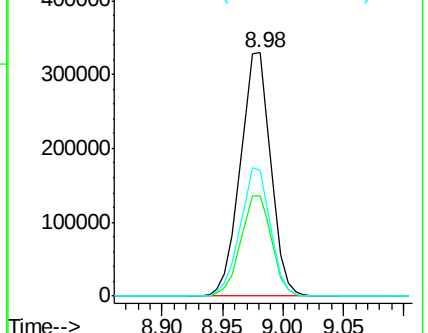
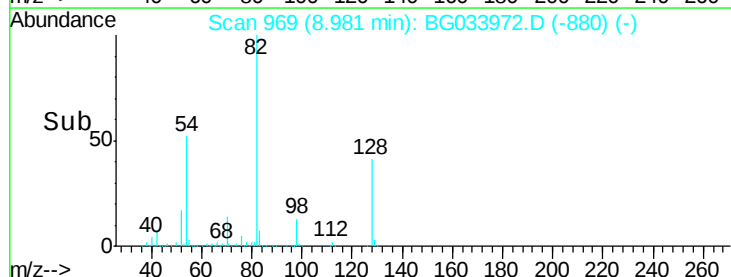
54 51.8 43.1 64.7

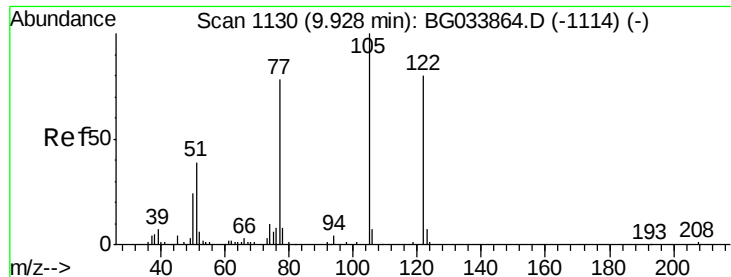


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

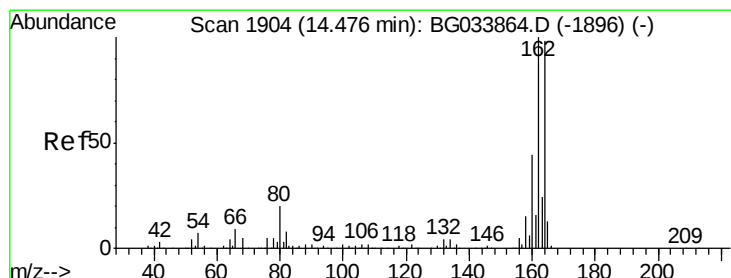
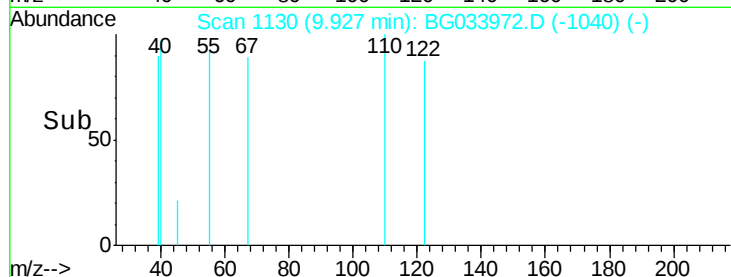
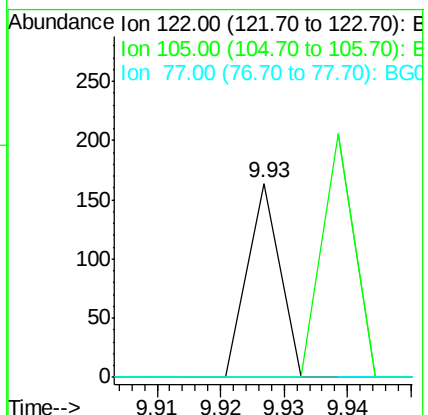
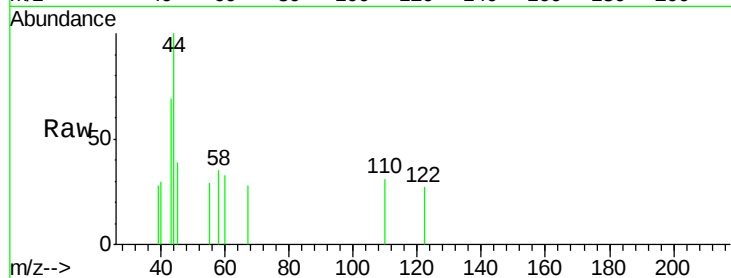




#32
Benzoic acid
Concen: 5.095 ng
RT: 9.93 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

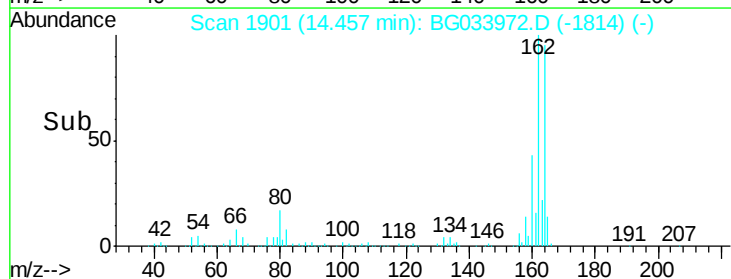
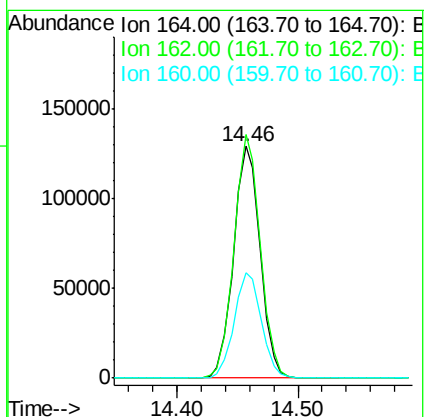
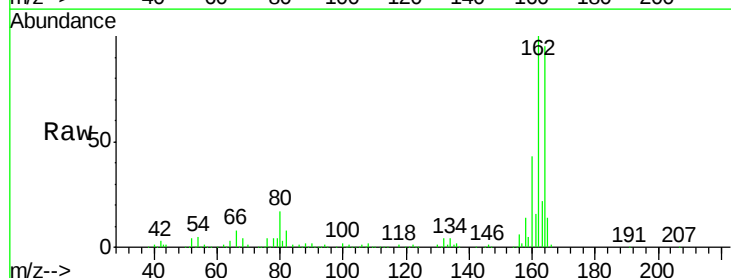
Instrument :
BNA_G
ClientSampled :

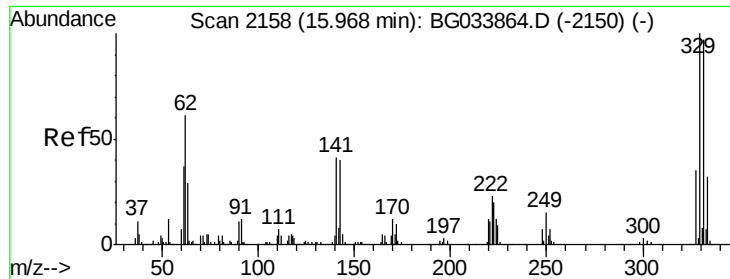
Tot Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Tgt Ion:164 Resp: 197930
Ion Ratio Lower Upper
164 100
162 105.1 78.8 118.2
160 45.5 35.4 53.0

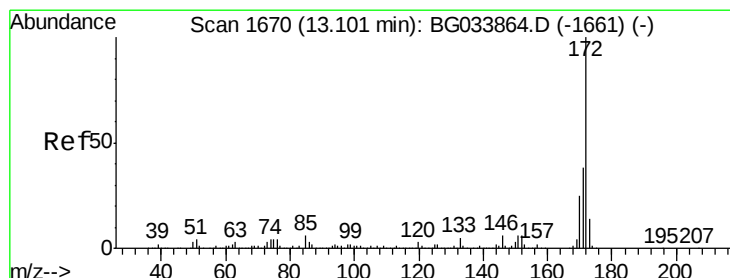
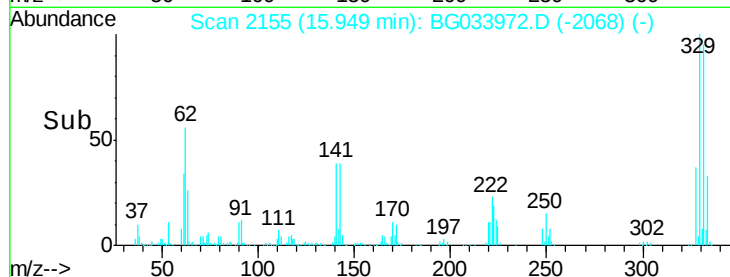
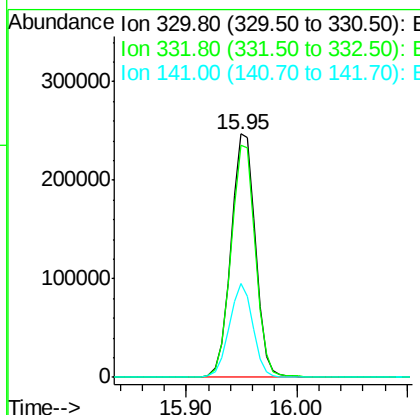
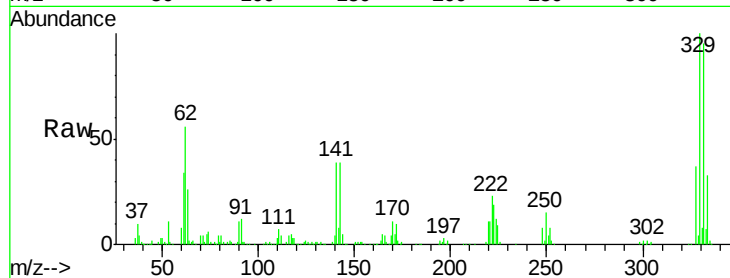




#41
 2,4,6-Tribromophenol
 Concen: 165.941 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033972.D
 Acq: 25 Apr 2018 3:42

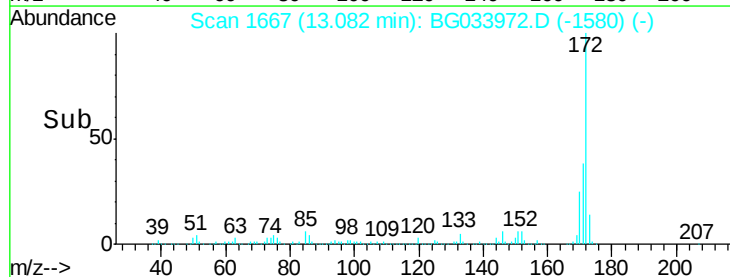
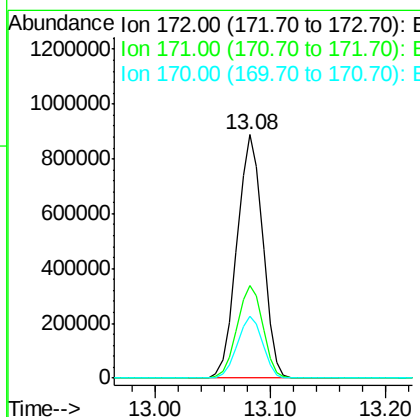
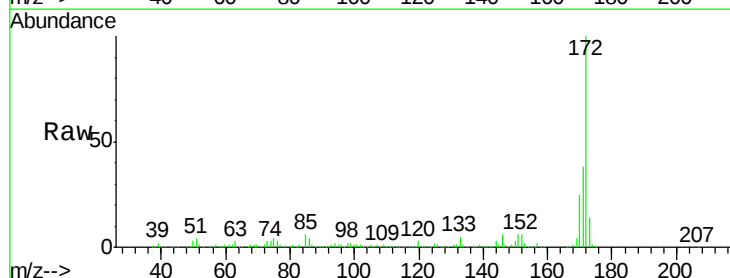
Instrument :
 BNA_G
 ClientSampleId :

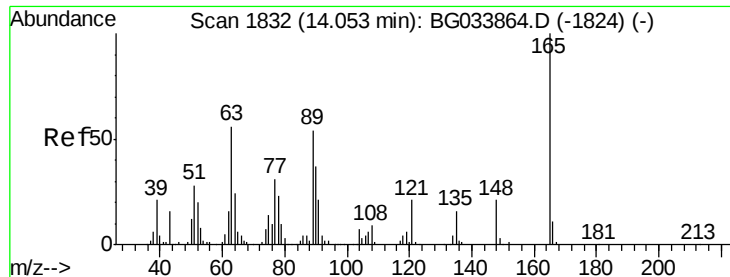
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	37.4	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 101.724 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033972.D
 Acq: 25 Apr 2018 3:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	25.2	19.5	29.3

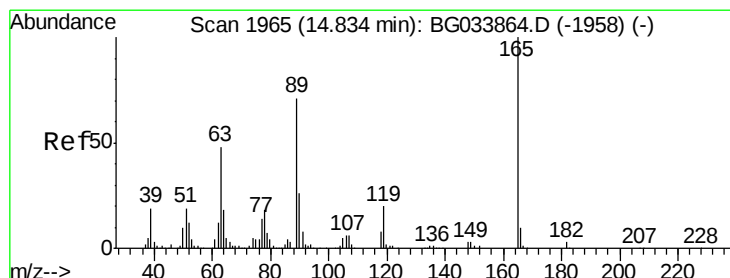
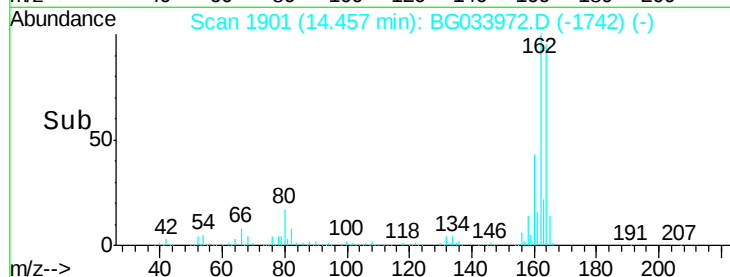
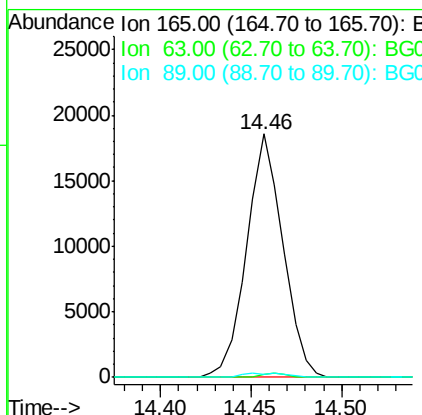
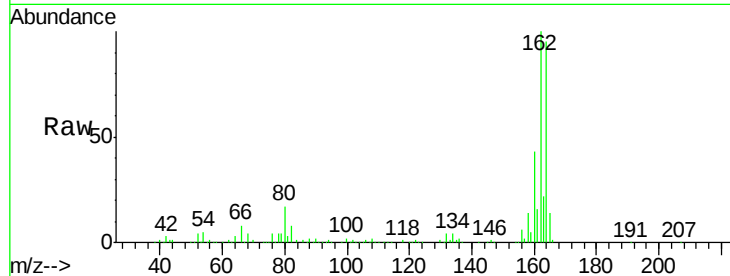




#50
 2,6-Dinitrotoluene
 Concen: 7.841 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033972.D
 Acq: 25 Apr 2018 3:42

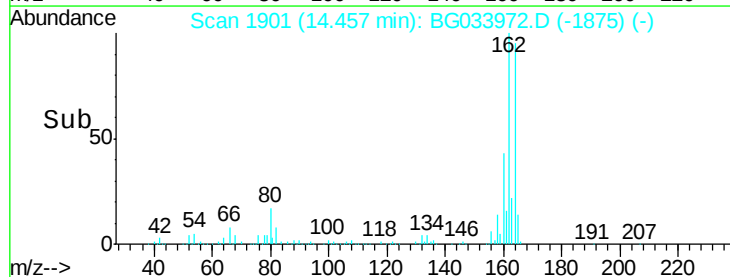
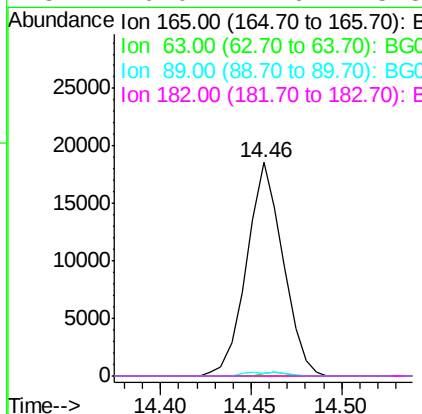
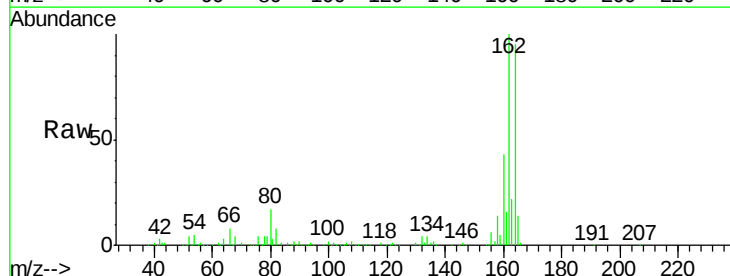
Instrument :
 BNA_G
 ClientSampleId :

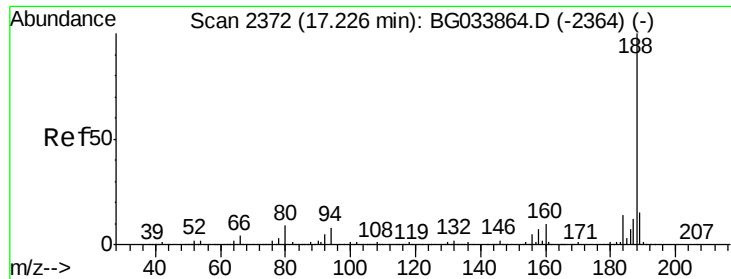
Tot Ion:165 Resp: 25871
 Ion Ratio Lower Upper
 165 100
 63 1.0 52.7 79.1#
 89 1.2 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.896 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033972.D
 Acq: 25 Apr 2018 3:42

Tgt Ion:165 Resp: 25871
 Ion Ratio Lower Upper
 165 100
 63 1.0 42.0 63.0#
 89 1.2 66.9 100.3#
 182 0.0 2.6 3.8#

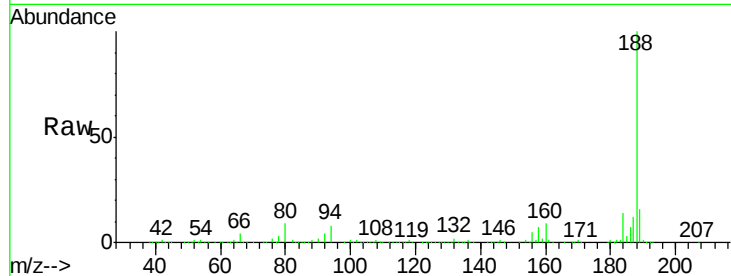




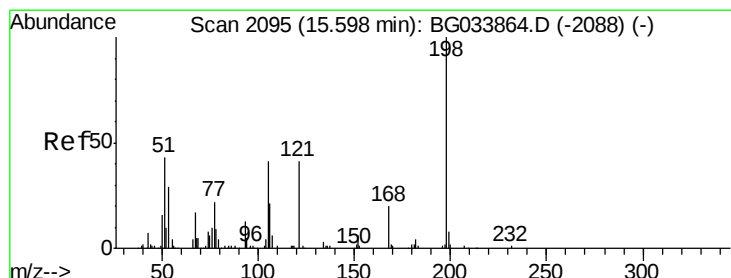
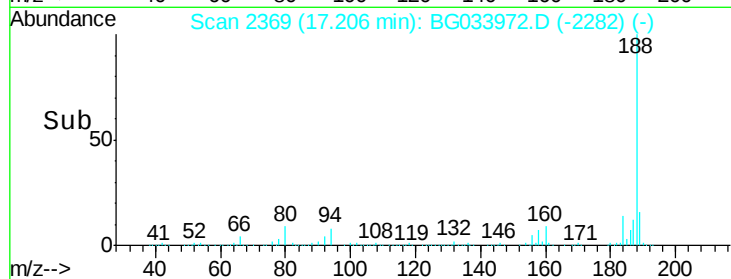
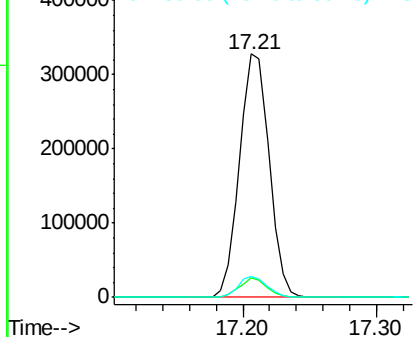
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.21 min Scan# 2369
Delta R.T. -0.02 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 504066
Ion Ratio Lower Upper
188 100
94 7.8 6.9 10.3
80 8.7 7.7 11.5

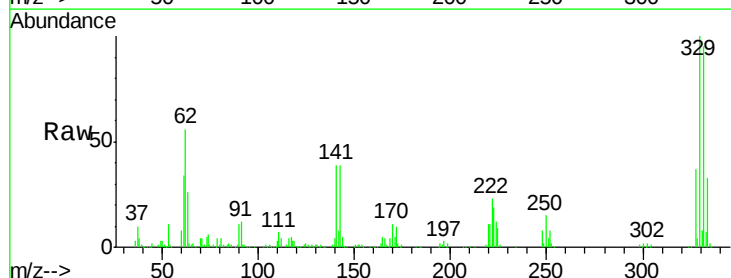


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

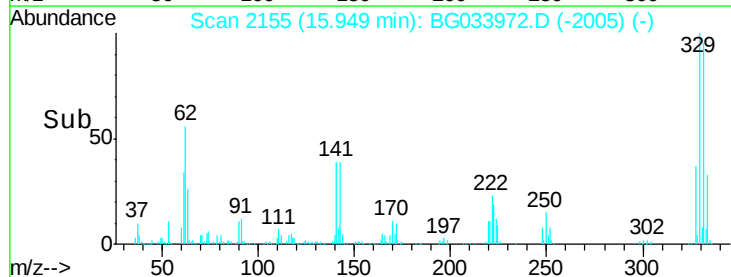
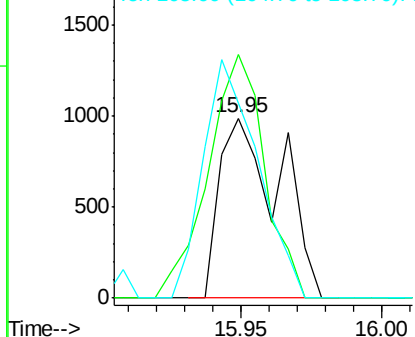


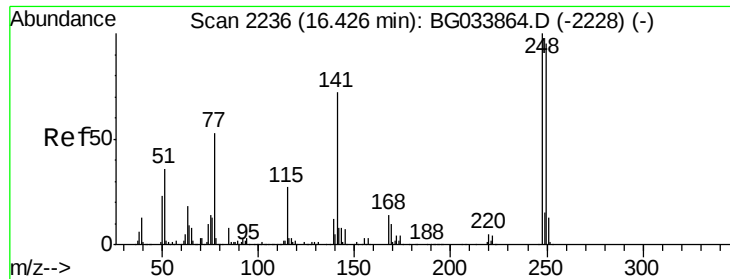
#64
4,6-Dinitro-2-methylphenol
Concen: 7.011 ng
RT: 15.95 min Scan# 2155
Delta R.T. 0.35 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Tgt Ion:198 Resp: 1465
Ion Ratio Lower Upper
198 100
51 27.5 30.6 70.6#
105 22.1 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

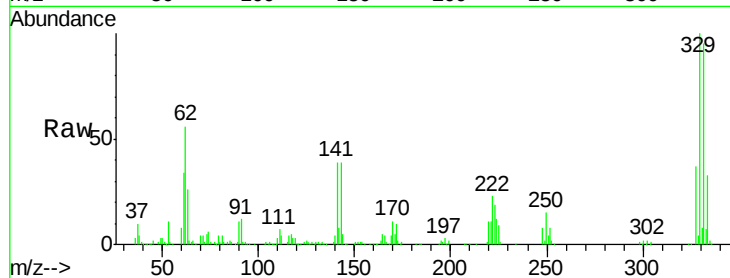




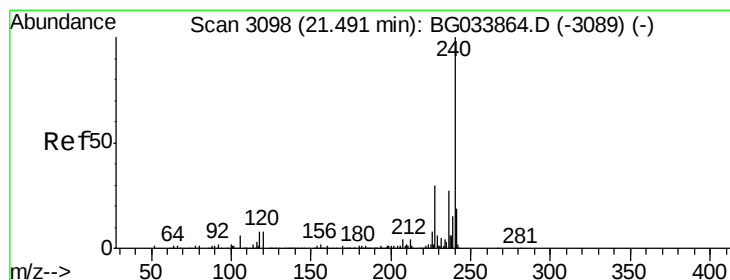
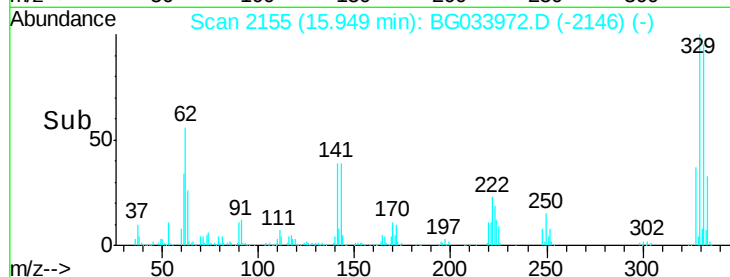
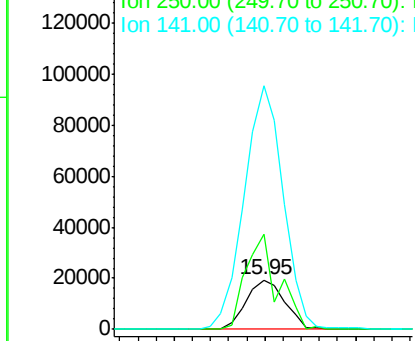
#66
4-Bromophenyl-phenylether
Concen: 5.189 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.48 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 28722
Ion Ratio Lower Upper
248 100
250 191.5 77.1 115.7#
141 379.1 50.8 76.2#

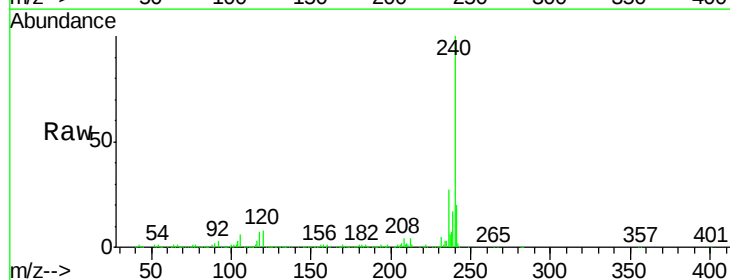


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

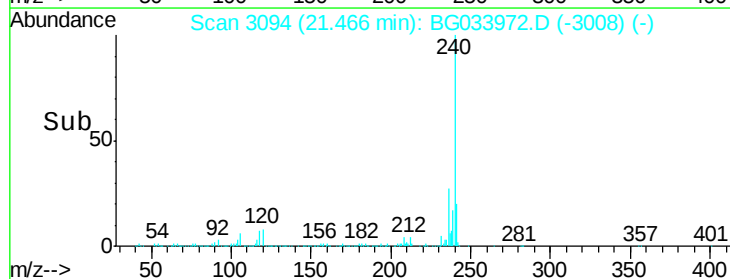
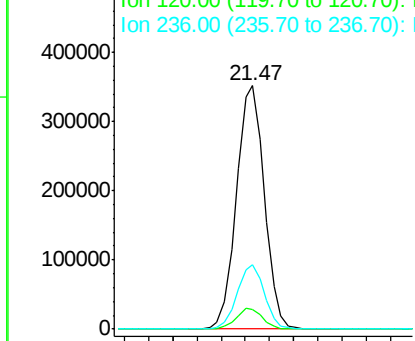


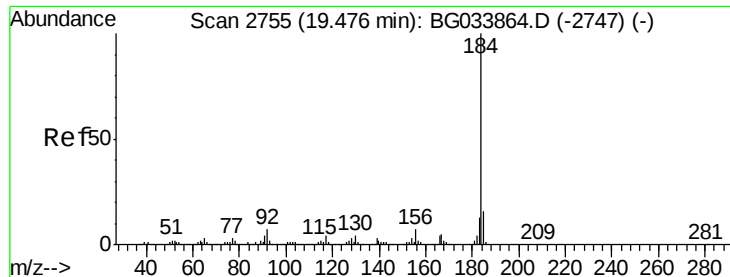
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033972.D
Acq: 25 Apr 2018 3:42

Tgt Ion:240 Resp: 565630
Ion Ratio Lower Upper
240 100
120 8.1 6.8 10.2
236 26.6 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





#76

Benzidine

Concen: 2.450 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.37 min

Lab File: BG033972.D

Acq: 25 Apr 2018 3:42

Instrument :

BNA_G

ClientSampleId :

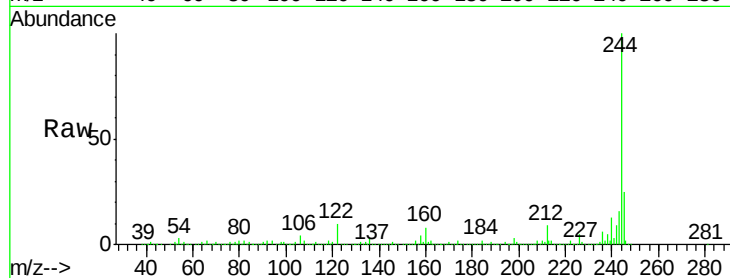
Tot Ion:184 Resp: 37427

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

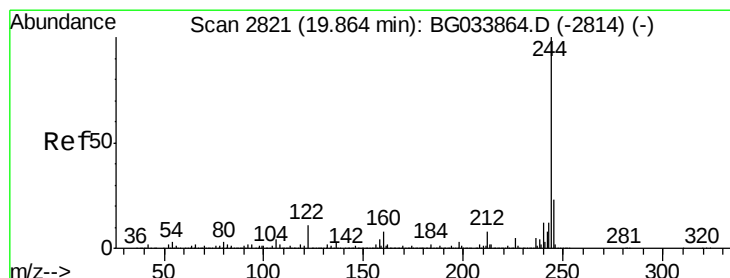
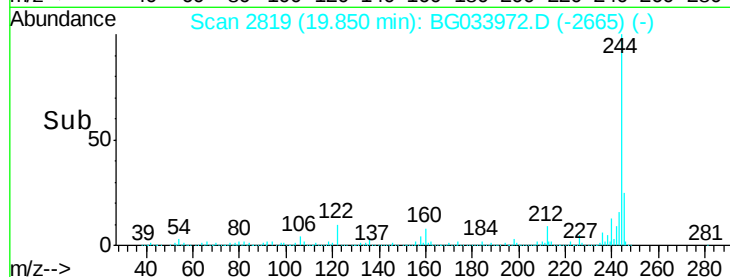
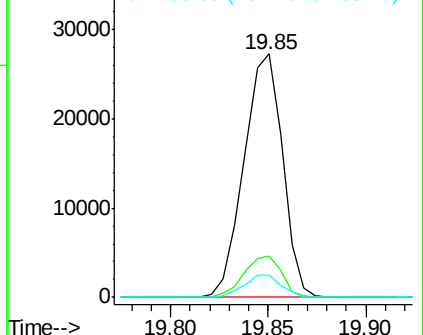
183 9.1 10.6 16.0#



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: 93.579 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033972.D

Acq: 25 Apr 2018 3:42

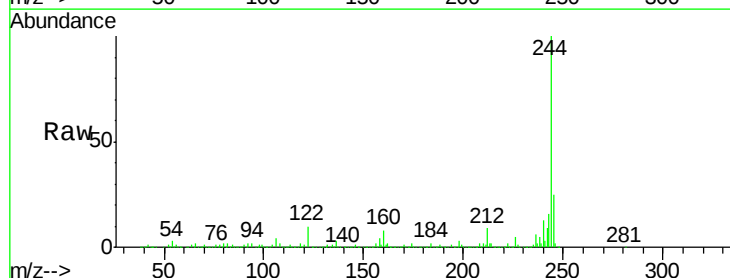
Tgt Ion:244 Resp: 2356026

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

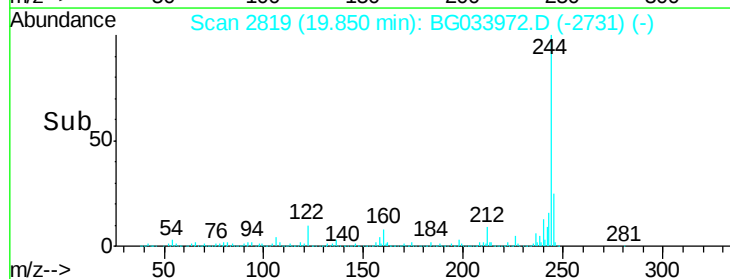
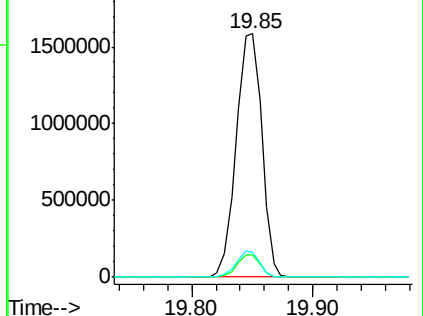
122 10.4 7.0 10.4

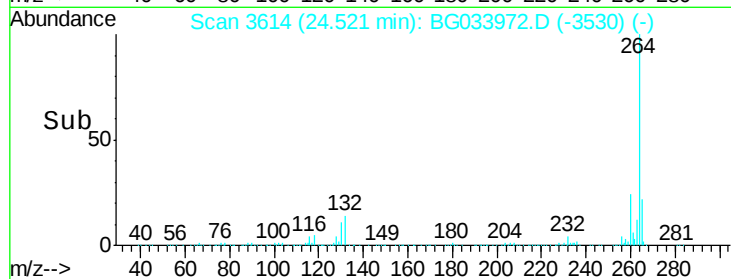
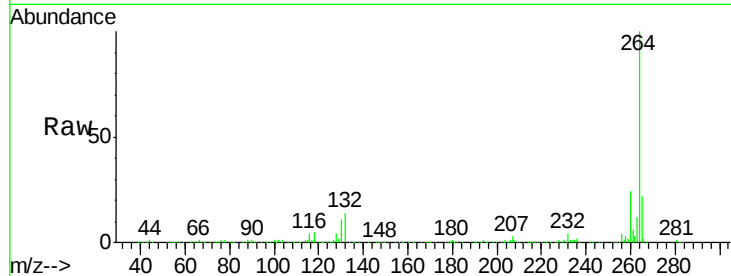
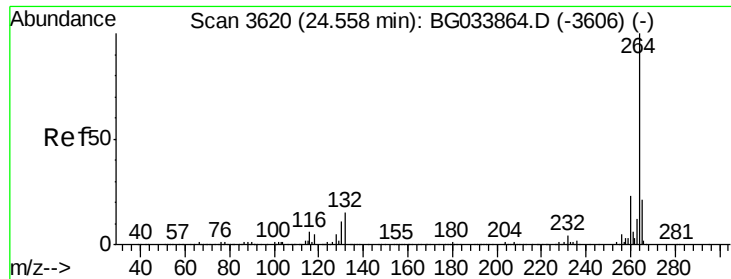


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: BG033972.D
 Acq: 25 Apr 2018 3:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.0
265	22.3	17.7	26.5

