

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033973.D
 Acq On : 25 Apr 2018 4:20
 Operator : SJ/JU
 Sample : J2151-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:51:33 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

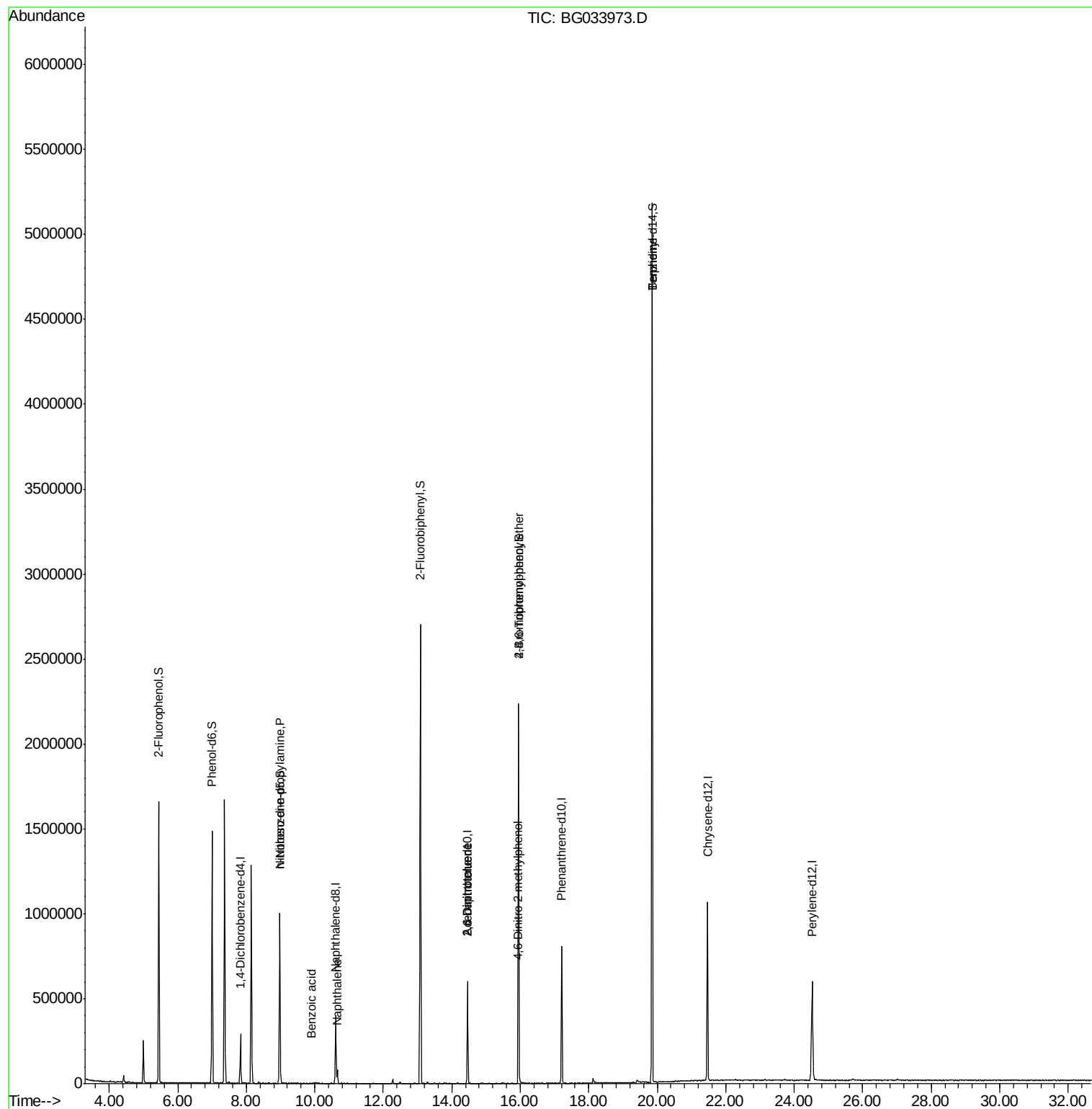
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	81090	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	332999	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	207800	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	516283	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	610948	20.00	ng	-0.02
86) Perylene-d12	24.52	264	623883	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	685847	135.03	ng	0.00
7) Phenol-d6	7.00	99	811024	109.48	ng	0.00
23) Nitrobenzene-d5	8.98	82	596055	101.87	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	407130	167.94	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1392359	98.43	ng	-0.02
78) Terphenyl-d14	19.84	244	2459338	90.44	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.01	77	1840	Below Cal	Qvalue	# 15
19) n-Nitroso-di-n-propylamine	8.98	70	83126	13.164 ng	#	78
31) Naphthalene	10.66	128	67734	3.955 ng	#	95
32) Benzoic acid	9.90	122	63	5.096 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	27120	7.829 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	27120	5.887 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.93	198	80	6.517 ng	#	1
66) 4-Bromophenyl-phenylether	15.95	248	20040	3.534 ng	#	1
76) Benzydine	19.85	184	40480	2.454 ng	#	95

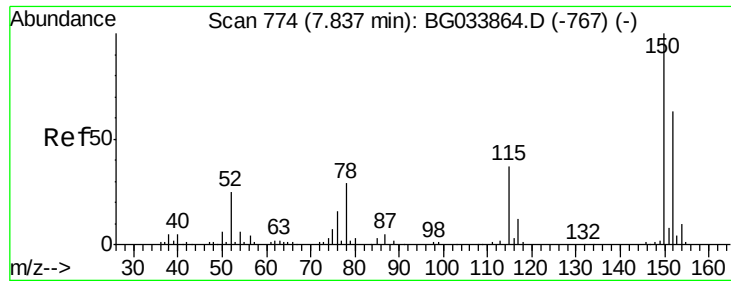
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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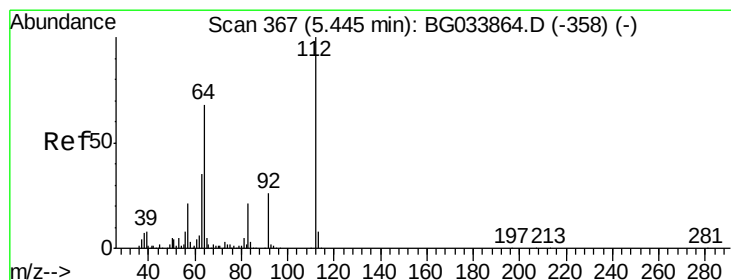
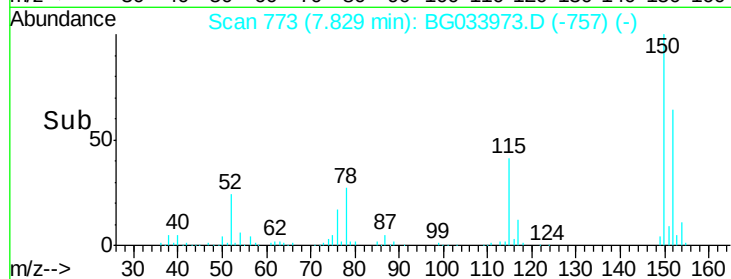
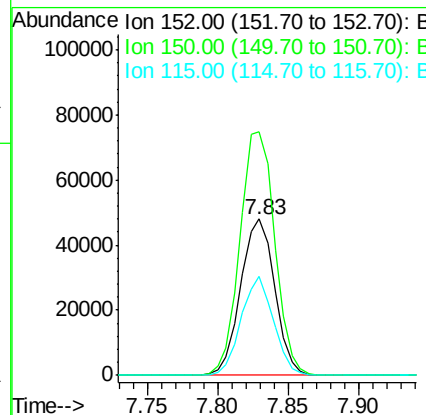
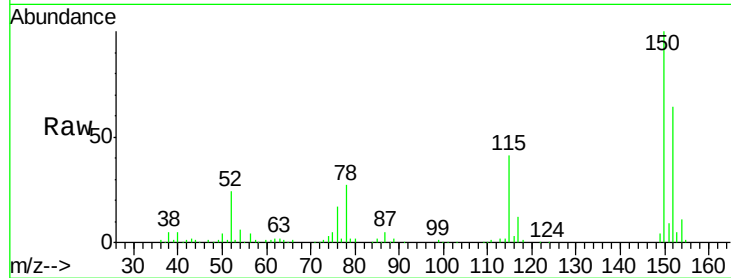


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

Instrument :
BNA_G
ClientSampled :

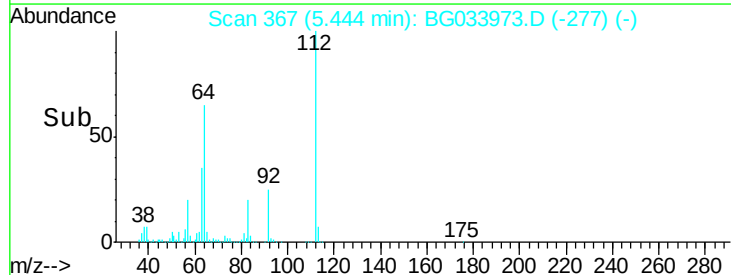
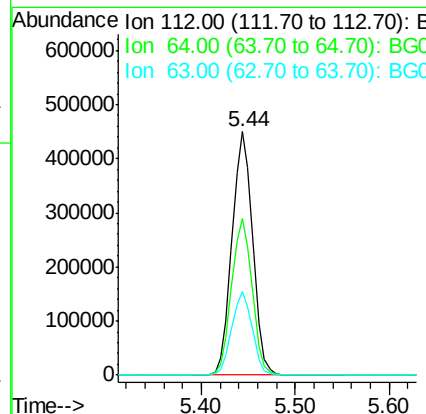
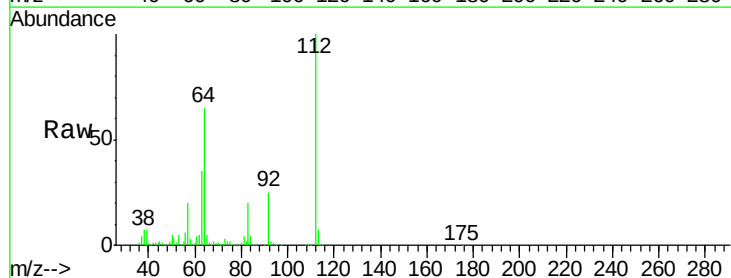
Tot Ion:152 Resp: 81090
Ion Ratio Lower Upper
152 100
150 156.0 126.6 189.8
115 63.5 53.0 79.4

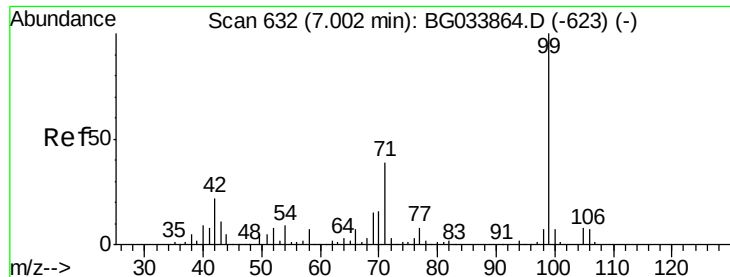


#5

2-Fluorophenol
Concen: 135.032 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

Tgt Ion:112 Resp: 685847
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 34.5 30.1 45.1





#7

Phenol-d6

Concen: 109.476 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033973.D

Acq: 25 Apr 2018 4:20

Instrument :

BNA_G

ClientSampleId :

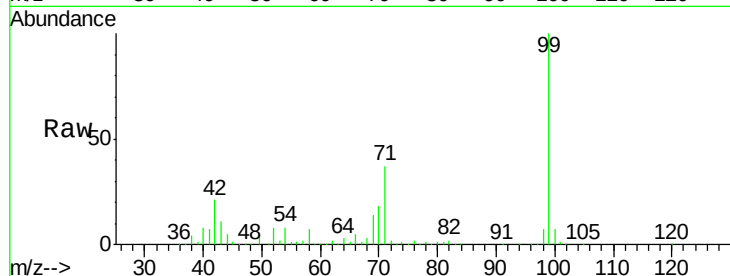
Tot Ion: 99 Resp: 811024

Ion Ratio Lower Upper

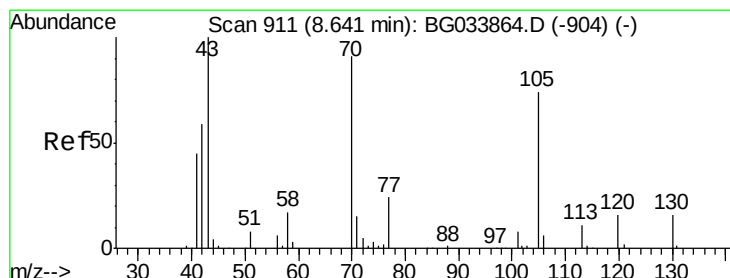
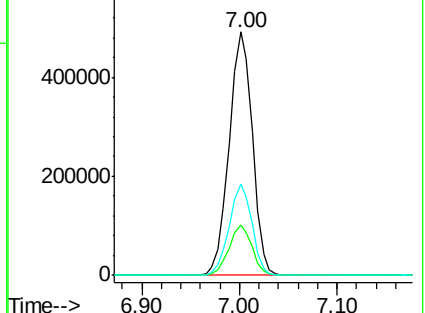
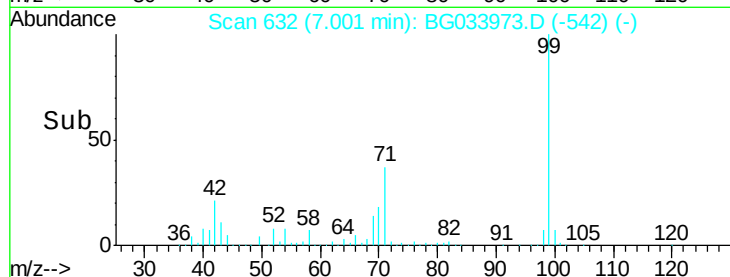
99 100

42 20.9 14.1 21.1

71 37.3 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: 13.164 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033973.D

Acq: 25 Apr 2018 4:20

Tgt Ion: 70 Resp: 83126

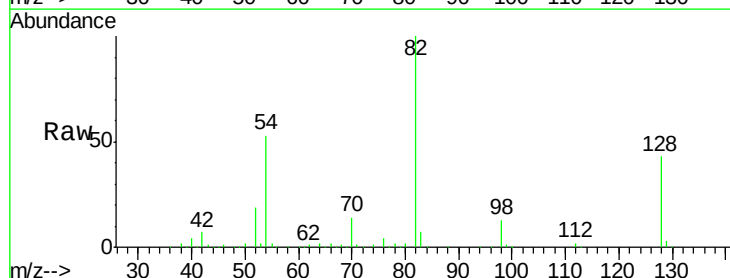
Ion Ratio Lower Upper

70 100

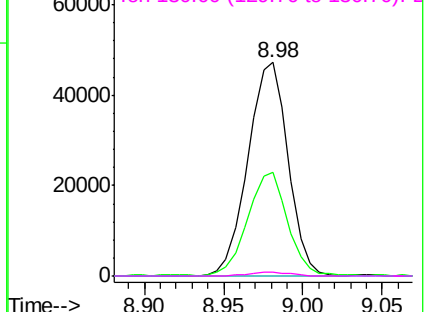
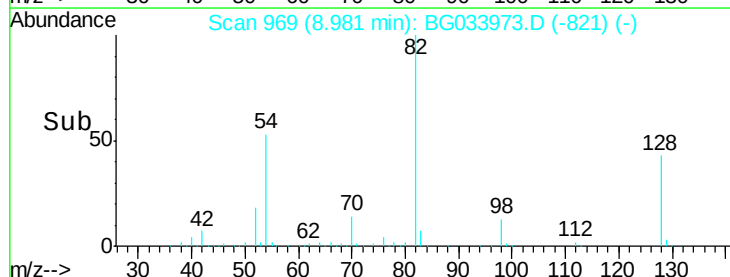
42 48.5 49.1 73.7#

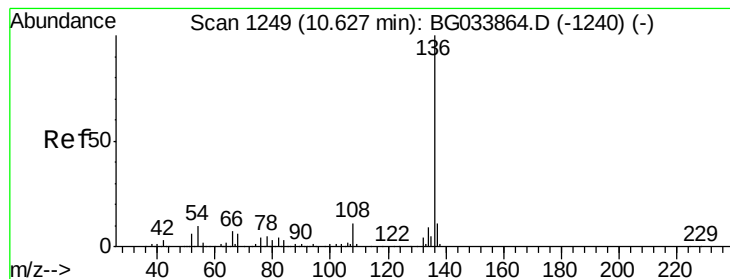
101 0.0 8.5 12.7#

130 2.0 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: BG033973.D

Acq: 25 Apr 2018 4:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 332999

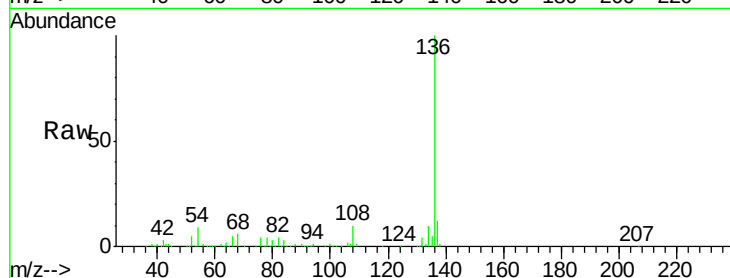
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 8.7 10.3 15.5#

68 6.0 4.5 6.7

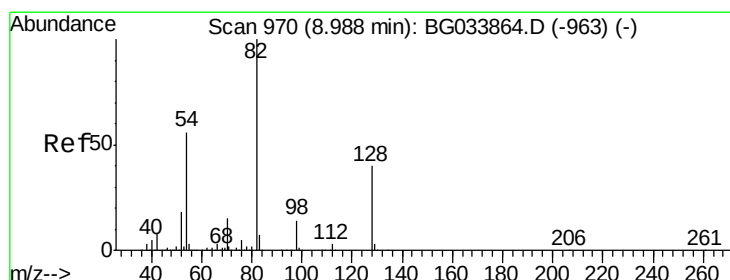
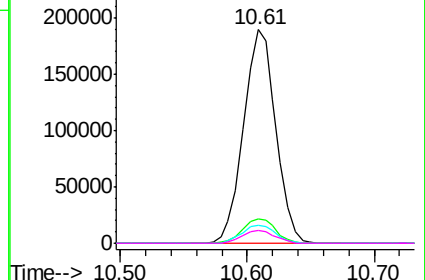
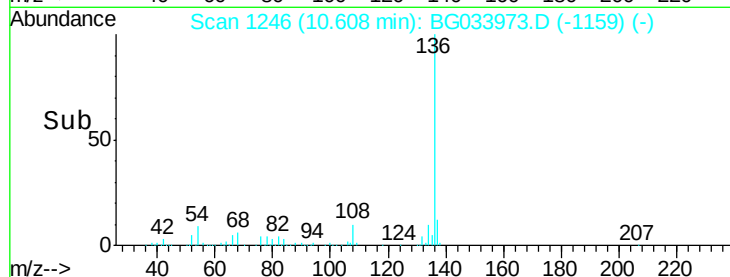


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.866 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033973.D

Acq: 25 Apr 2018 4:20

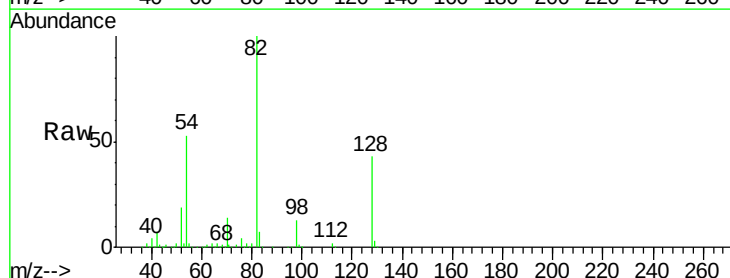
Tgt Ion: 82 Resp: 596055

Ion Ratio Lower Upper

82 100

128 43.3 29.7 44.5

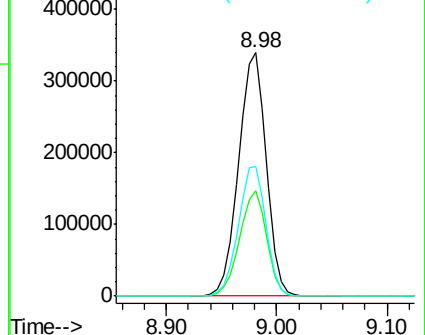
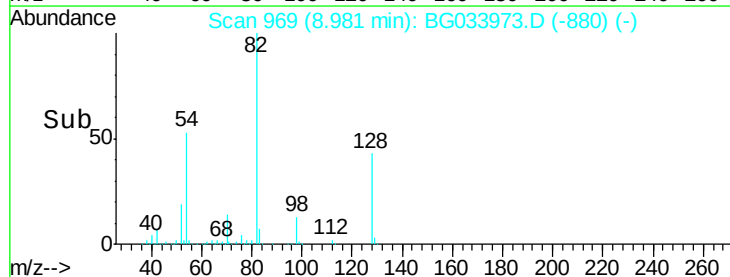
54 53.4 43.1 64.7

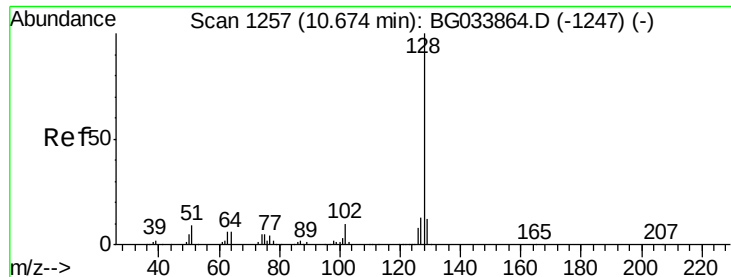


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

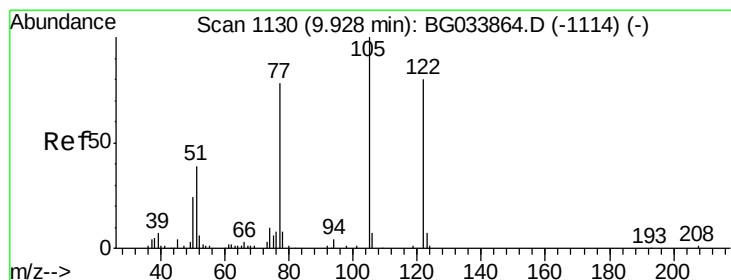
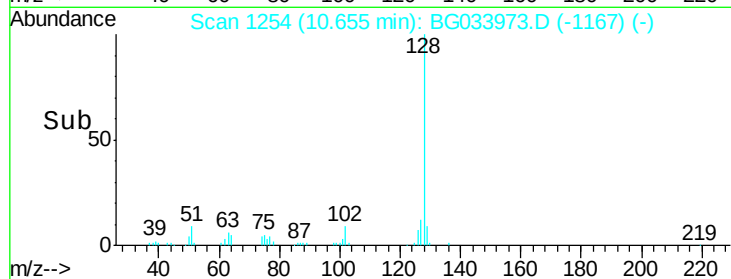
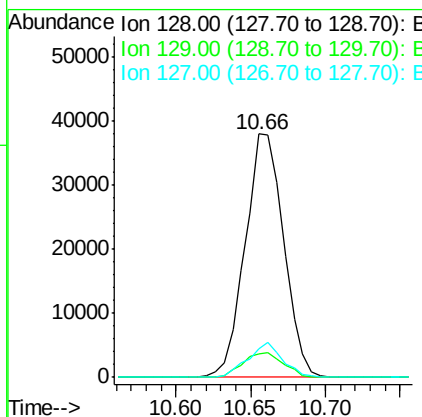
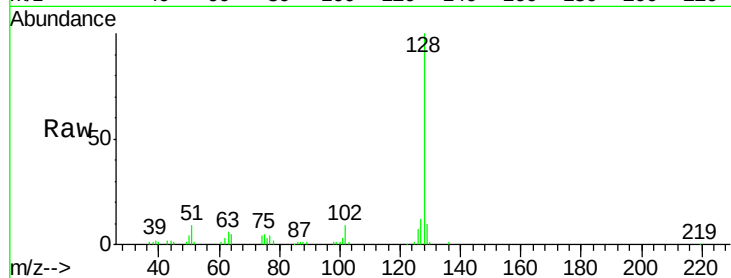




#31
Naphthalene
Concen: 3.955 ng
RT: 10.66 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

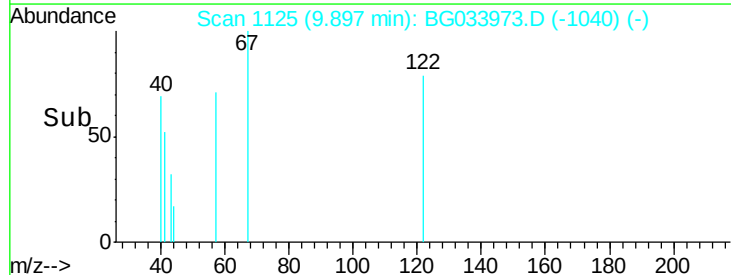
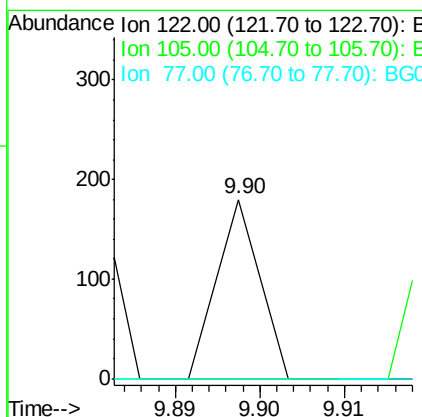
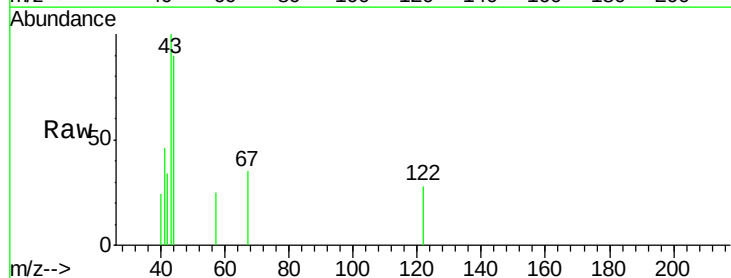
Instrument :
BNA_G
ClientSampleId :

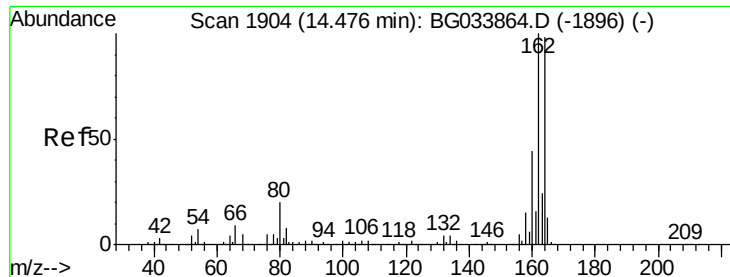
Tot Ion:128 Resp: 67734
Ion Ratio Lower Upper
128 100
129 9.6 8.6 12.8
127 11.9 11.6 17.4



#32
Benzoic acid
Concen: 5.096 ng
RT: 9.90 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

Tgt Ion:122 Resp: 63
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: BG033973.D

Acq: 25 Apr 2018 4:20

Instrument :

BNA_G

ClientSampleId :

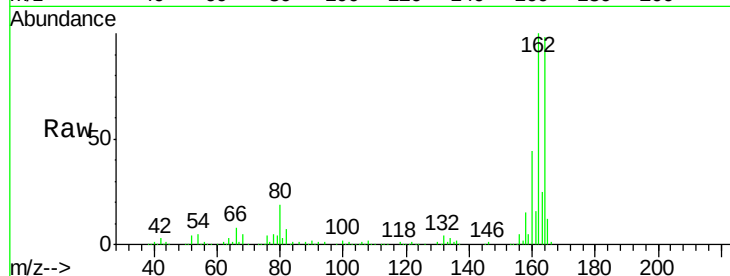
Tot Ion:164 Resp: 207800

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

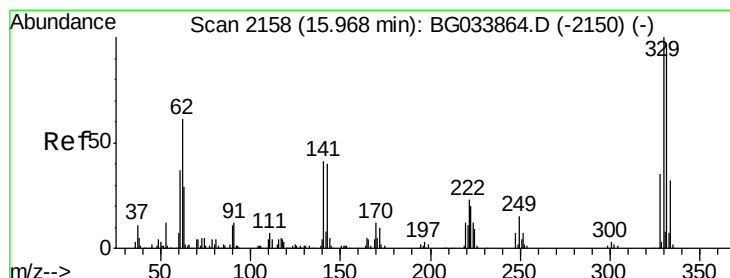
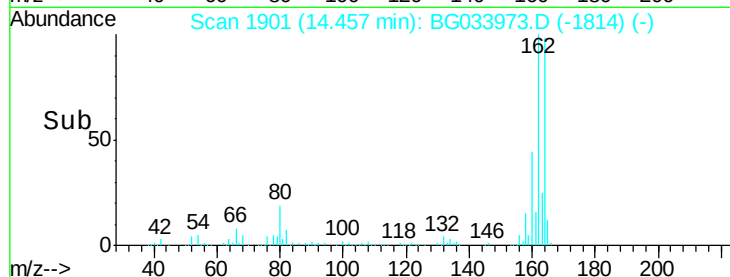
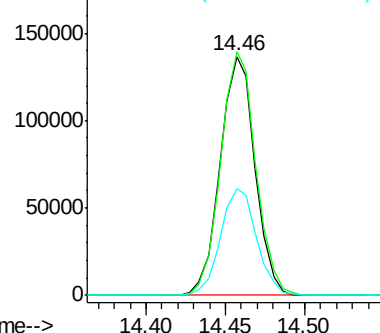
160 44.7 35.4 53.0



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: 167.936 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033973.D

Acq: 25 Apr 2018 4:20

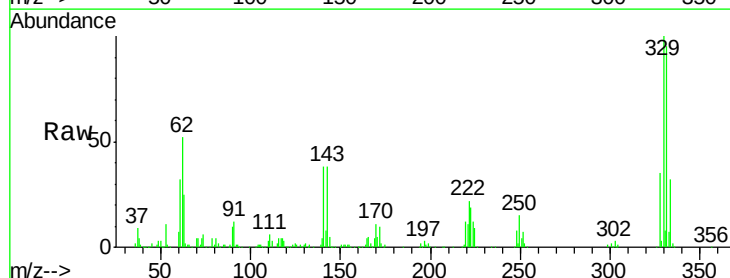
Tgt Ion:330 Resp: 407130

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

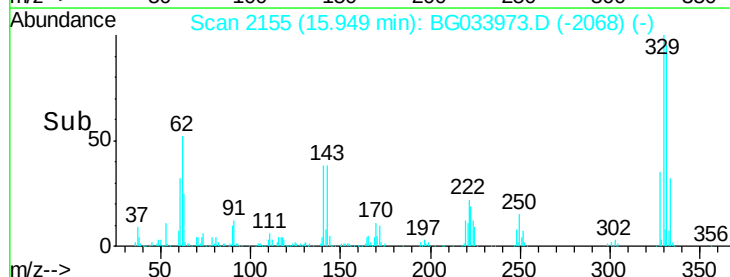
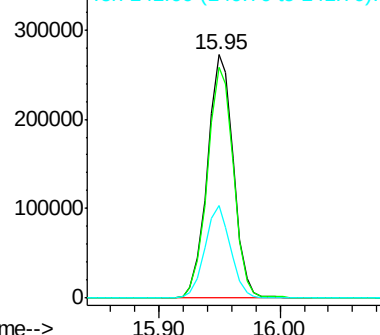
141 37.6 25.2 37.8

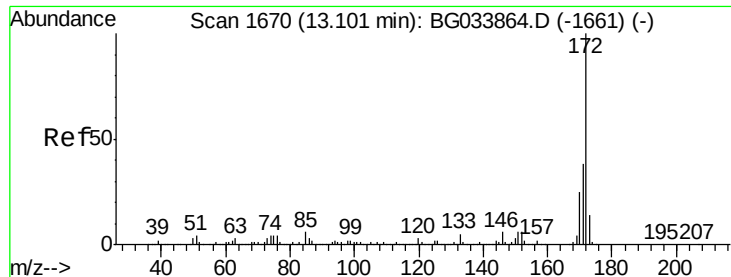


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

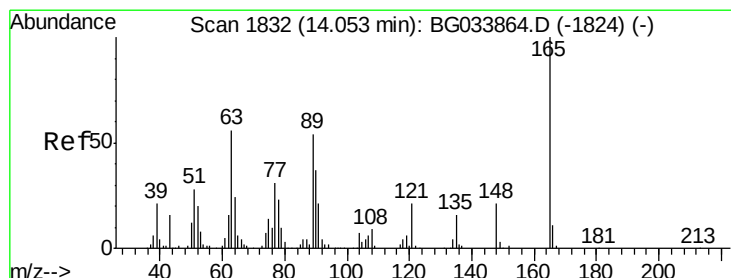
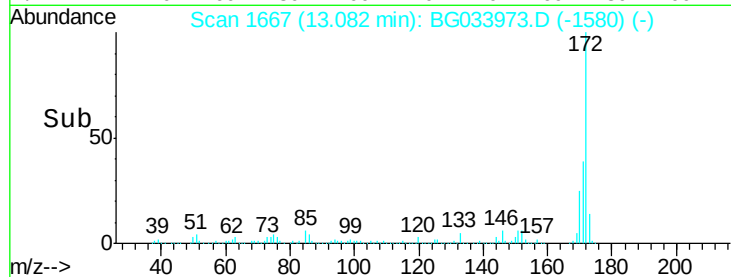
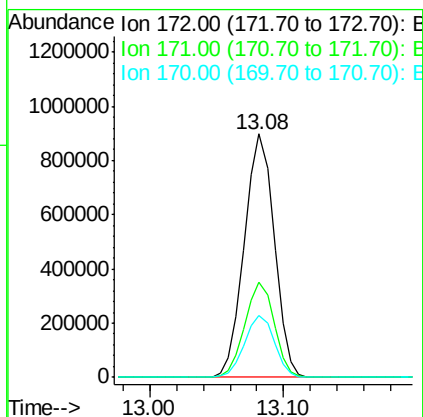
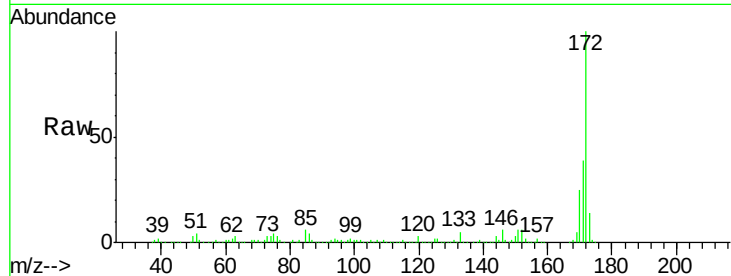




#44
 2-Fluorobiphenyl
 Concen: 98.432 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

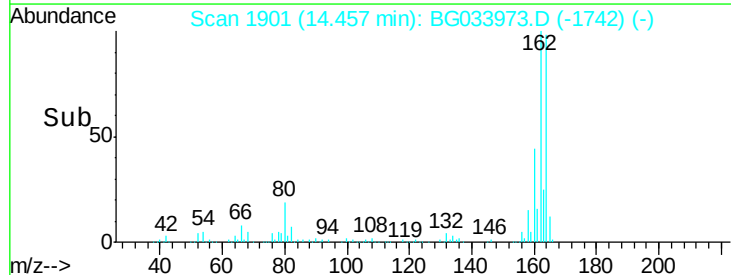
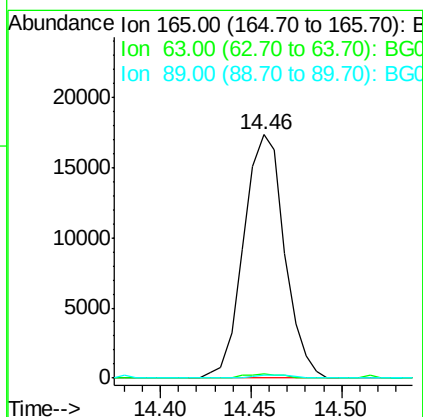
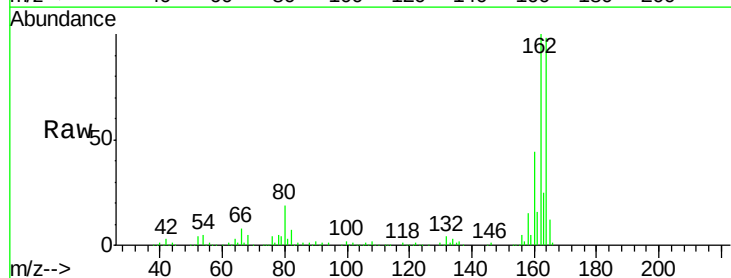
Instrument :
 BNA_G
 ClientSampleId :

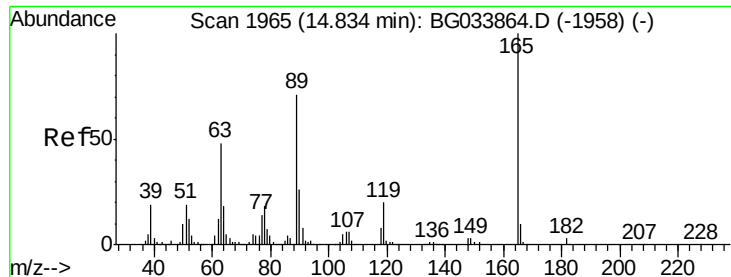
Tot Ion:172 Resp: 1392359
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.0 45.0
 170 25.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.829 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

Tgt Ion:165 Resp: 27120
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 1.5 49.2 73.8#

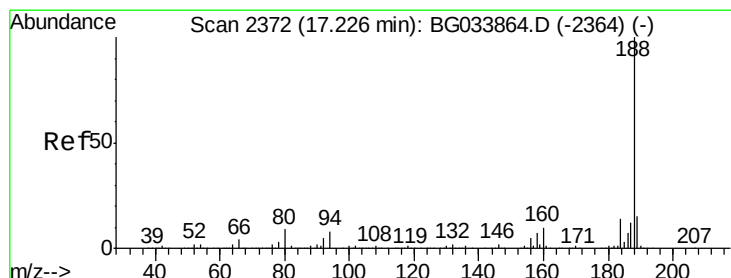
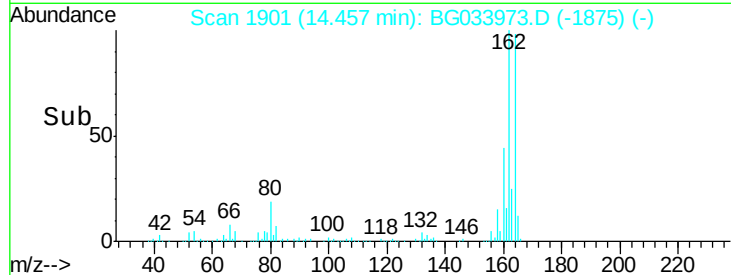
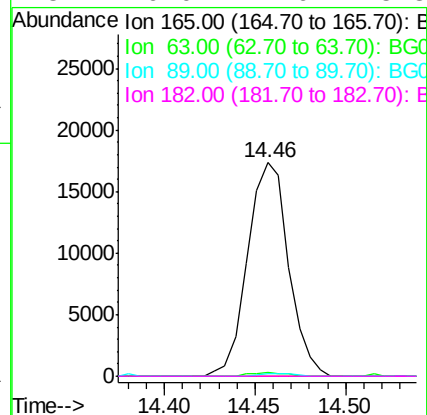
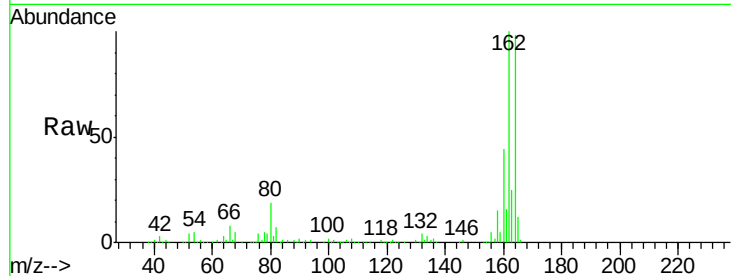




#56
 2,4-Dinitrotoluene
 Concen: 5.887 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

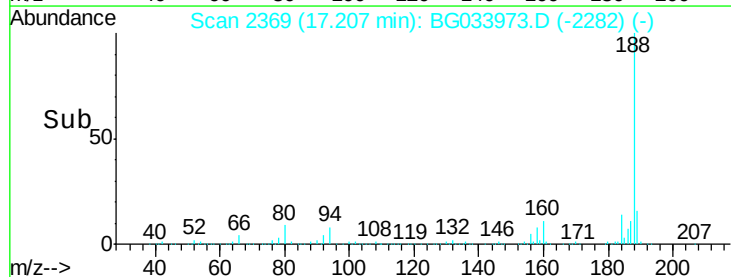
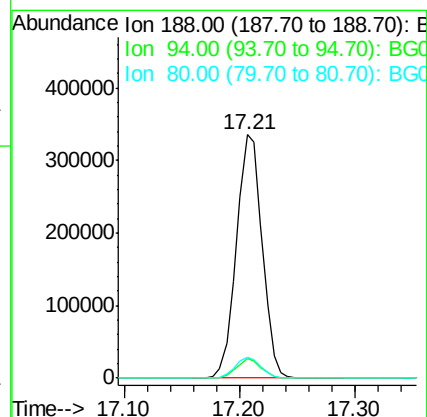
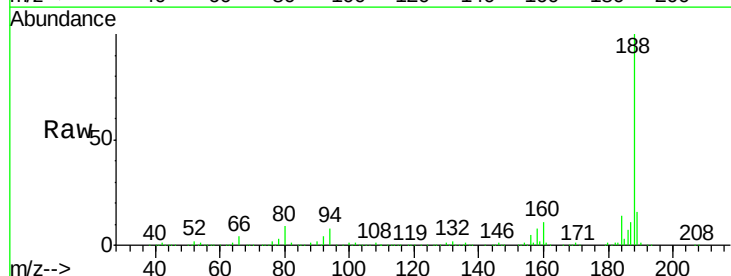
Instrument :
 BNA_G
 ClientSampled :

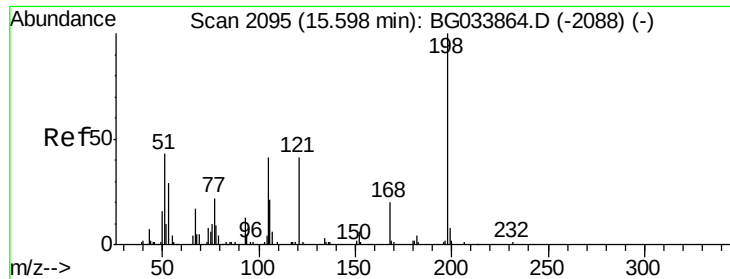
Tot Ion:165	Resp: 27120
Ion Ratio	Lower Upper
165 100	
63 1.9	42.0 63.0#
89 1.5	66.9 100.3#
182 0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

Tgt Ion	188	Resp: Lower	516283 Upper
	Ratio		
188	100		
94	8.2	6.9	10.3
80	8.8	7.7	11.5

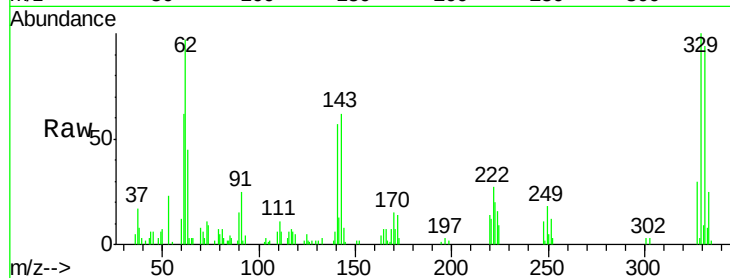




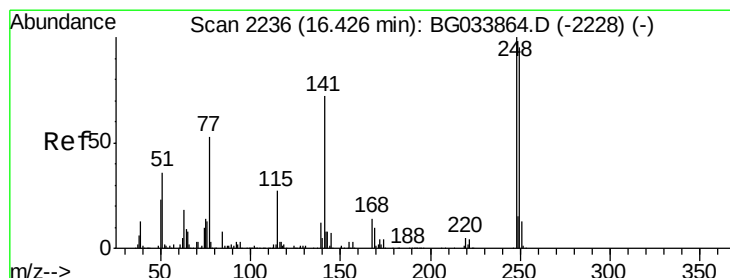
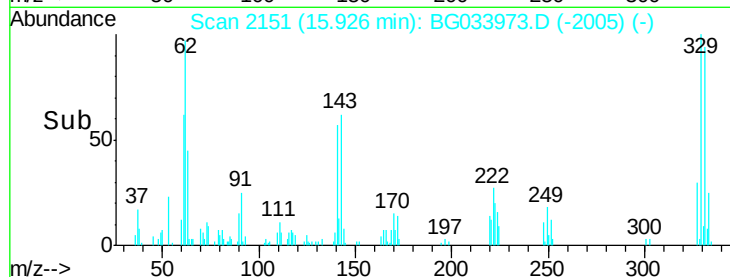
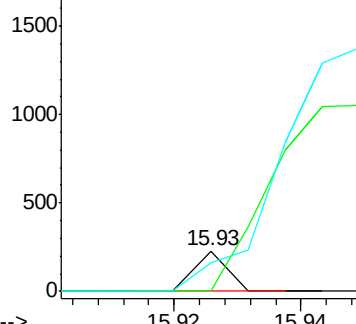
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.517 ng
 RT: 15.93 min Scan# 2151
 Delta R.T. 0.33 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 80
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 179.7 23.8 63.8#

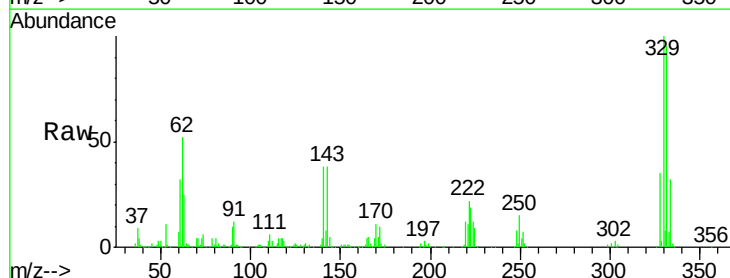


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

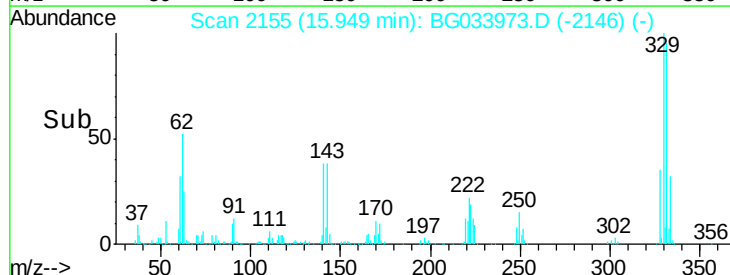
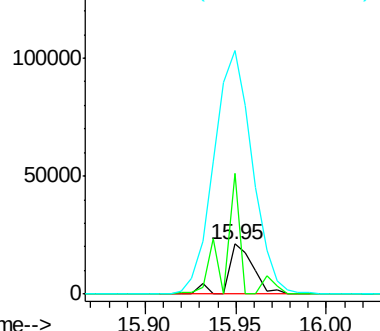


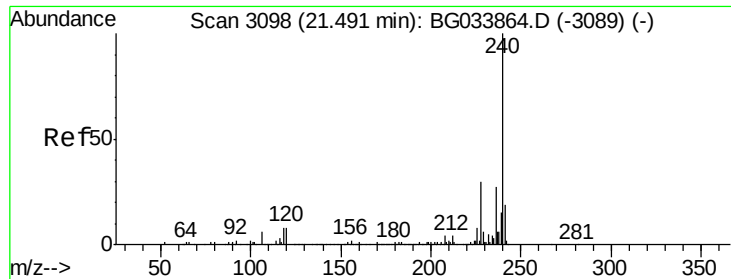
#66
 4-Bromophenyl-phenylether
 Concen: 3.534 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033973.D
 Acq: 25 Apr 2018 4:20

Tgt Ion:248 Resp: 20040
 Ion Ratio Lower Upper
 248 100
 250 185.6 77.1 115.7#
 141 373.5 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

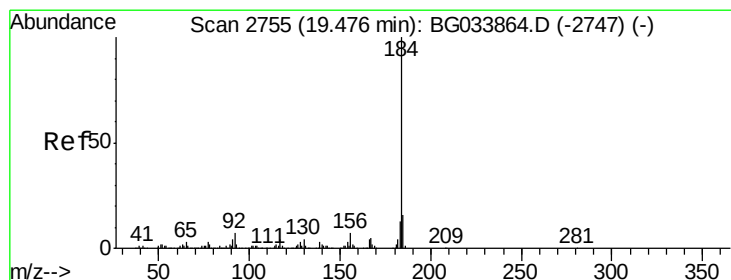
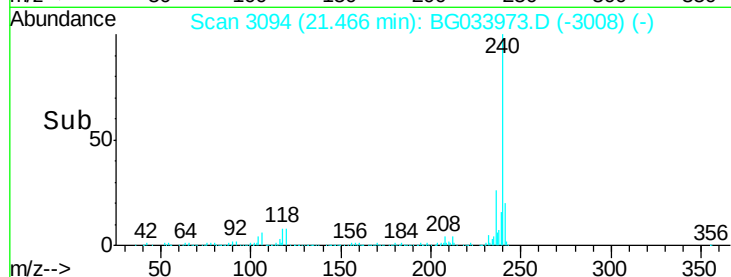
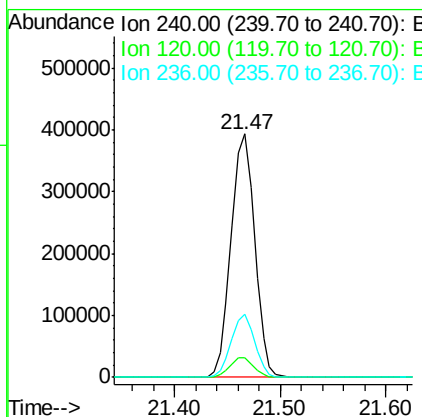
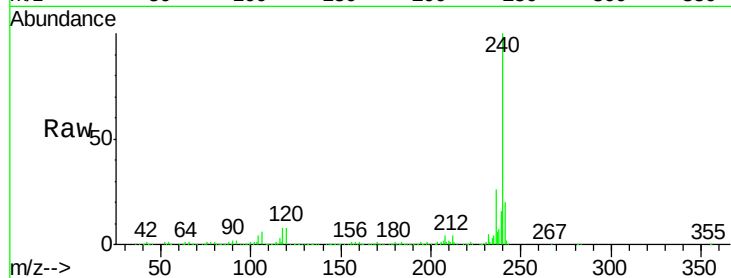




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

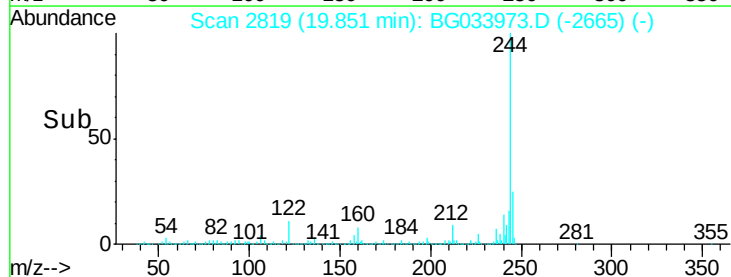
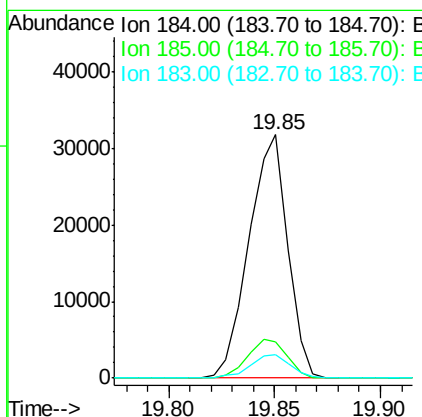
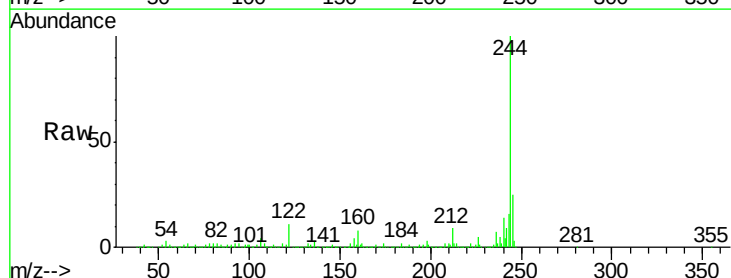
Instrument :
BNA_G
ClientSampled :

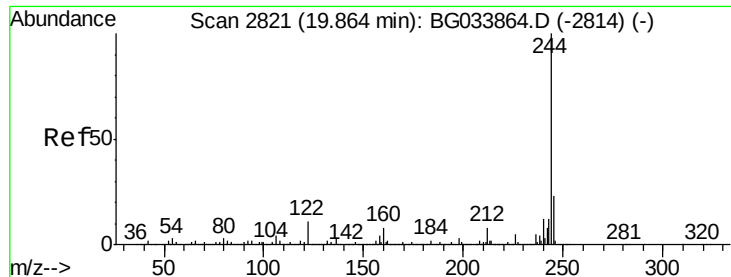
Tot Ion:240 Resp: 610948
Ion Ratio Lower Upper
240 100
120 7.8 6.8 10.2
236 25.9 20.9 31.3



#76
Benzidine
Concen: 2.454 ng
RT: 19.85 min Scan# 2819
Delta R.T. 0.37 min
Lab File: BG033973.D
Acq: 25 Apr 2018 4:20

Tgt Ion:184 Resp: 40480
Ion Ratio Lower Upper
184 100
185 14.8 11.1 16.7
183 9.9 10.6 16.0#





#78

Terphenyl-d14

Concen: 90.436 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033973.D

Acq: 25 Apr 2018 4:20

Instrument :

BNA_G

ClientSampled :

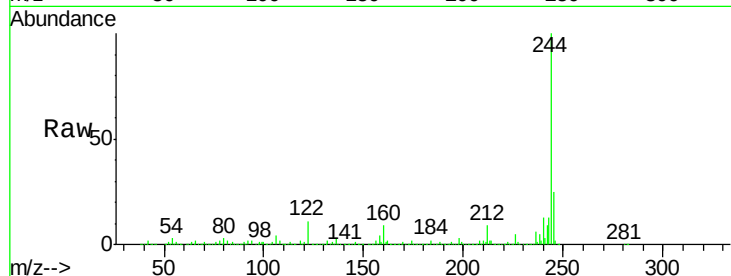
Tot Ion:244 Resp: 2459338

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

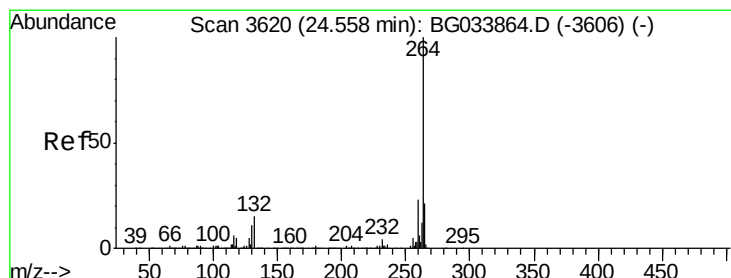
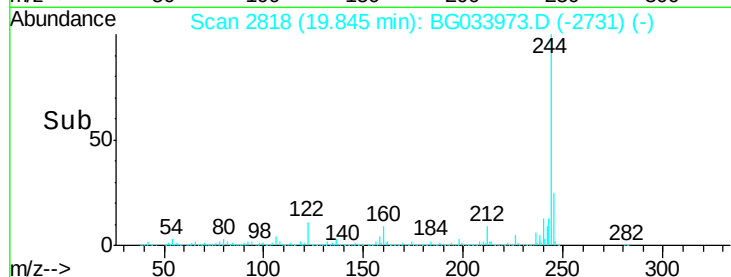
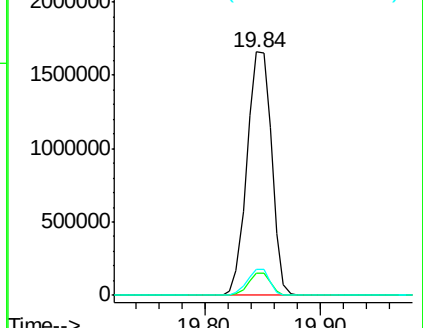
122 10.7 7.0 10.4#



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: BG033973.D

Acq: 25 Apr 2018 4:20

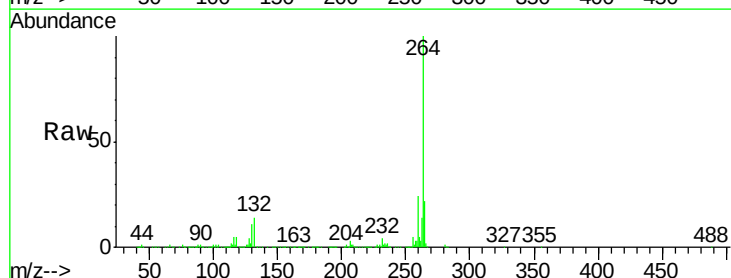
Tgt Ion:264 Resp: 623883

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 22.4 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

