

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033941.D
 Acq On : 24 Apr 2018 4:52
 Operator : SJ/JU
 Sample : J2495-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 08:04:23 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

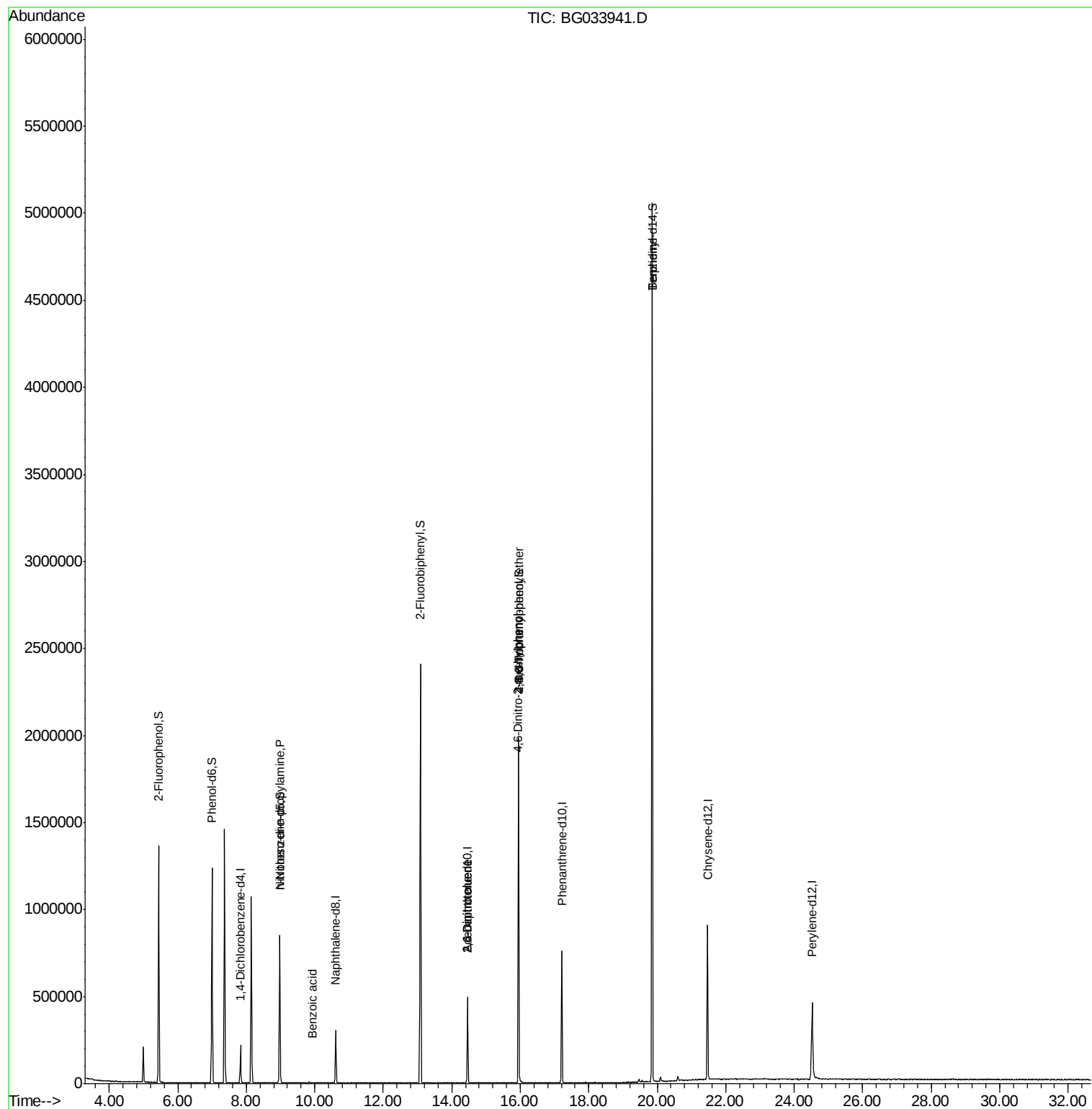
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	58602	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	257450	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	172710	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	479373	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	512201	20.00	ng	-0.03
86) Perylene-d12	24.52	264	492331	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	565045	153.94	ng	0.00
7) Phenol-d6	7.00	99	702572	131.23	ng	0.00
23) Nitrobenzene-d5	8.97	82	510713	112.89	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	358012	177.68	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1267585	107.82	ng	-0.02
78) Terphenyl-d14	19.85	244	2346257	102.91	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1592	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	71465	15.660 ng	#	83
32) Benzoic acid	9.93	122	465	5.198 ng	#	42
50) 2,6-Dinitrotoluene	14.46	165	22440	7.794 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	22440	5.861 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	229	6.575 ng		89
66) 4-Bromophenyl-phenylether	15.95	248	10826	2.056 ng	#	1
76) Benzydine	19.85	184	40143	2.902 ng		96

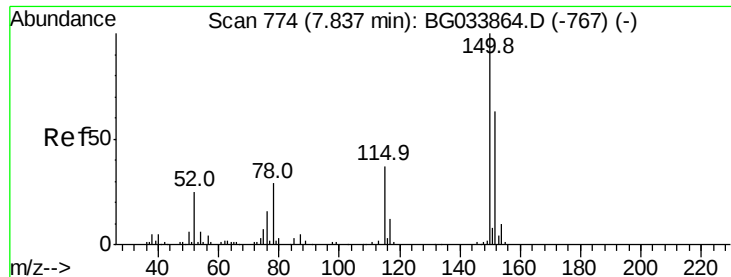
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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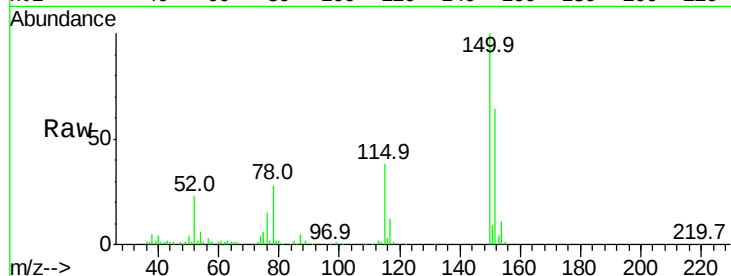


#1

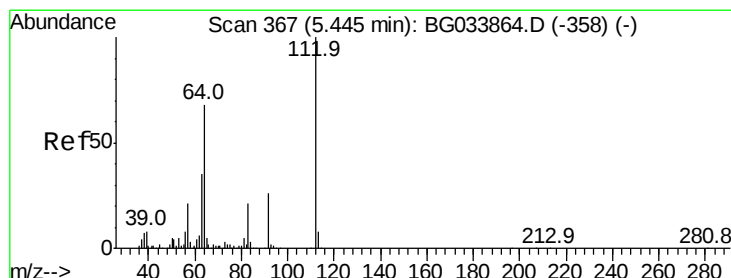
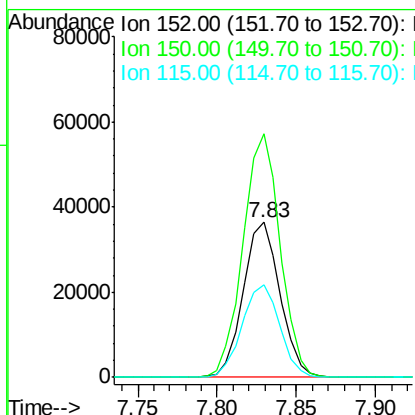
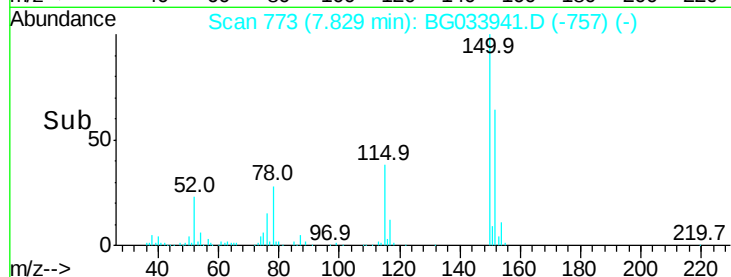
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033941.D
Acq: 24 Apr 2018 4:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58602
Ion Ratio Lower Upper
152 100
150 157.2 126.6 189.8
115 60.0 53.0 79.4



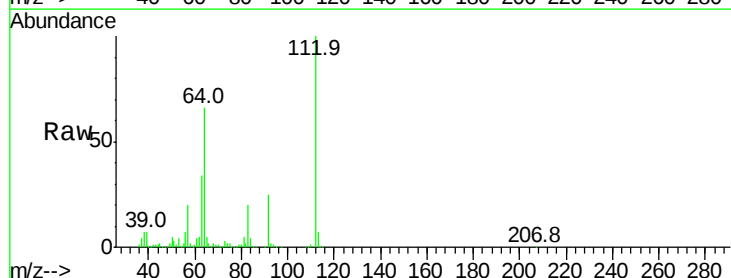
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



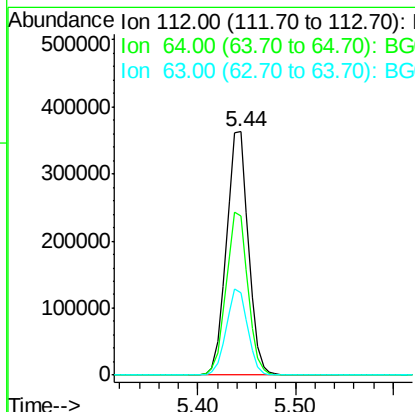
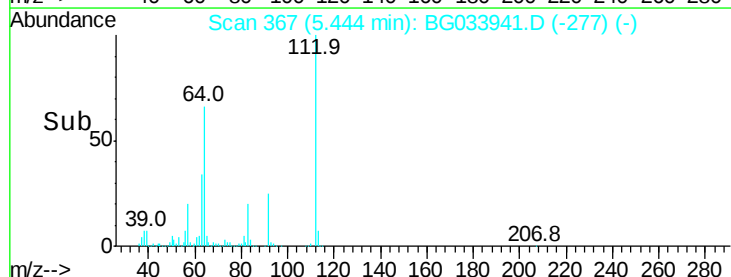
#5

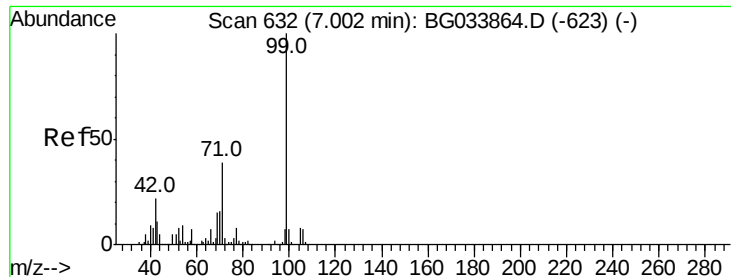
2-Fluorophenol
Concen: 153.939 ng
RT: 5.44 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033941.D
Acq: 24 Apr 2018 4:52

Tgt Ion:112 Resp: 565045
Ion Ratio Lower Upper
112 100
64 65.5 56.3 84.5
63 33.7 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: 131.230 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampled :

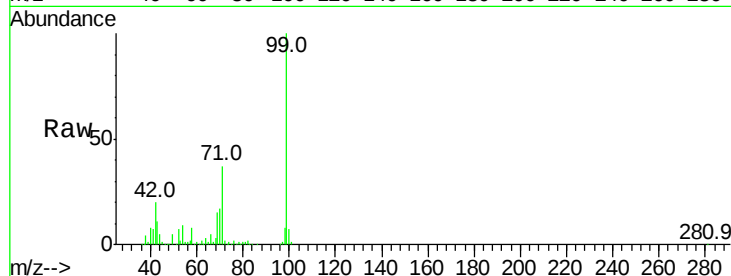
Tot Ion: 99 Resp: 702572

Ion Ratio Lower Upper

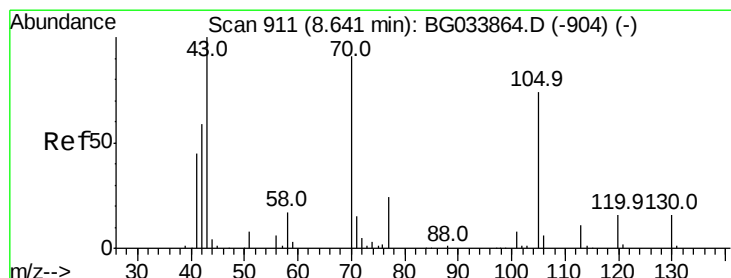
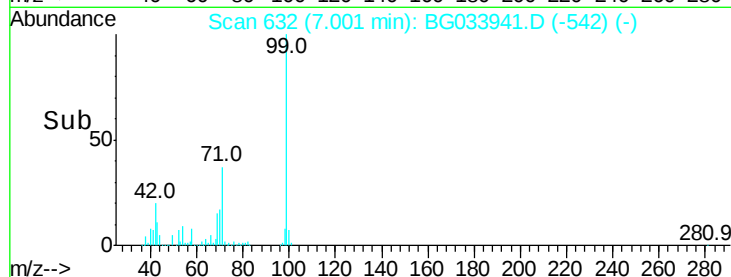
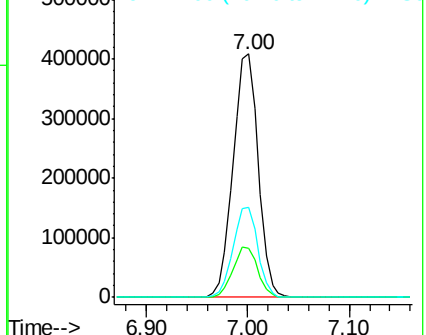
99 100

42 20.3 14.1 21.1

71 37.2 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: 15.660 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Tgt Ion: 70 Resp: 71465

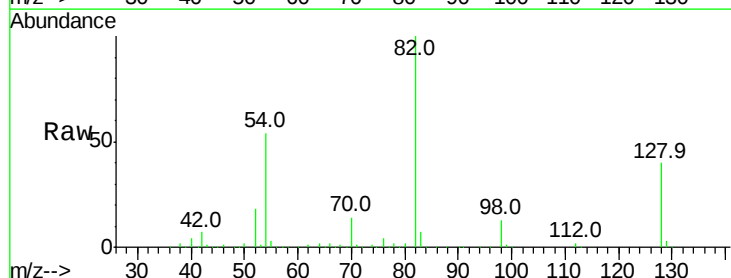
Ion Ratio Lower Upper

70 100

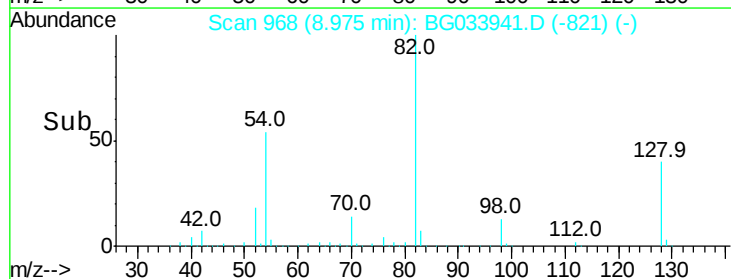
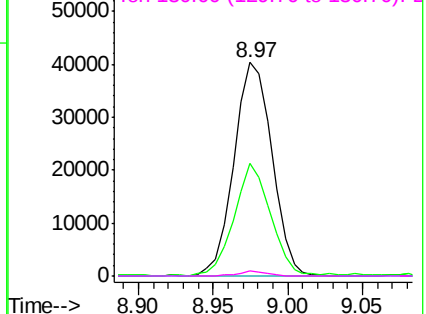
42 52.7 49.1 73.7

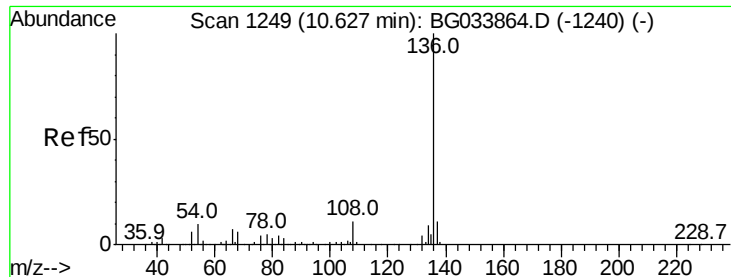
101 0.0 8.5 12.7#

130 2.6 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: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 257450

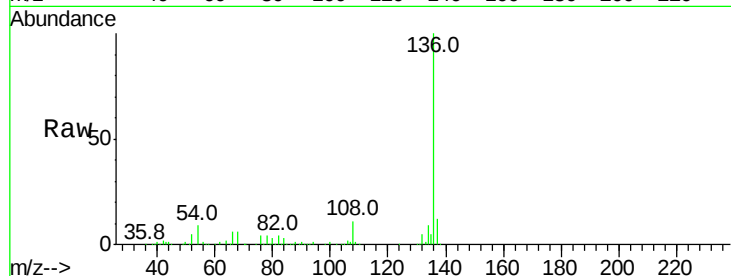
Ion Ratio Lower Upper

136 100

137 12.2 9.2 13.8

54 8.9 10.3 15.5#

68 6.1 4.5 6.7

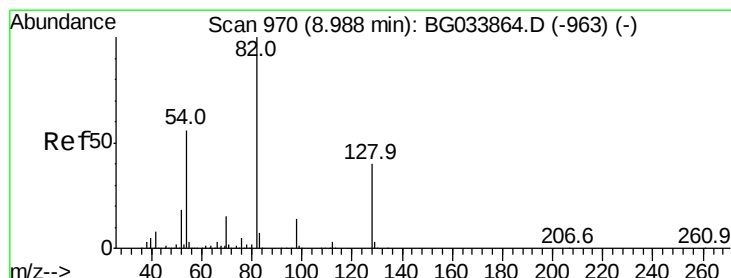
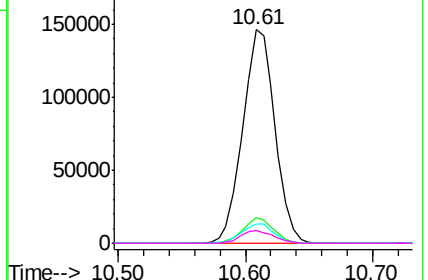
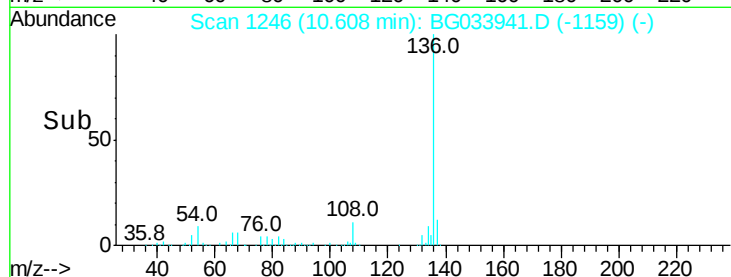


Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.894 ng

RT: 8.97 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

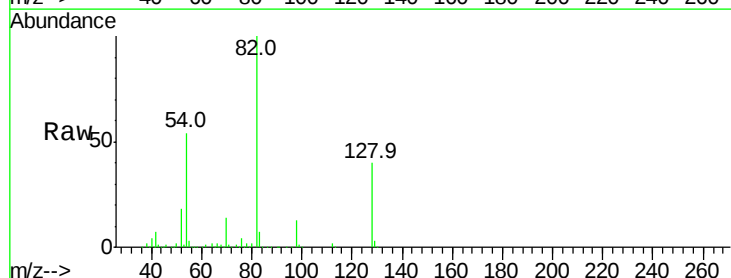
Tgt Ion: 82 Resp: 510713

Ion Ratio Lower Upper

82 100

128 40.4 29.7 44.5

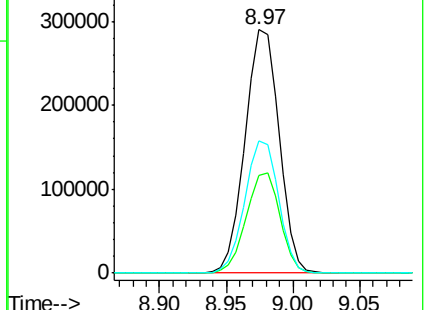
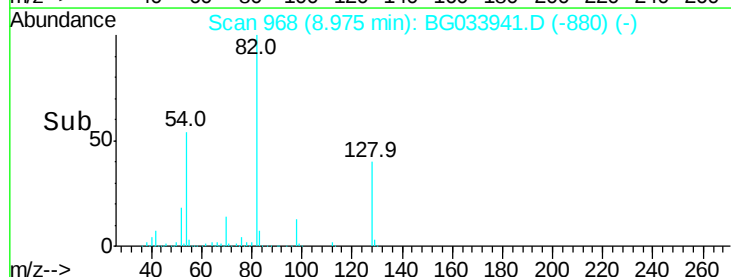
54 54.1 43.1 64.7

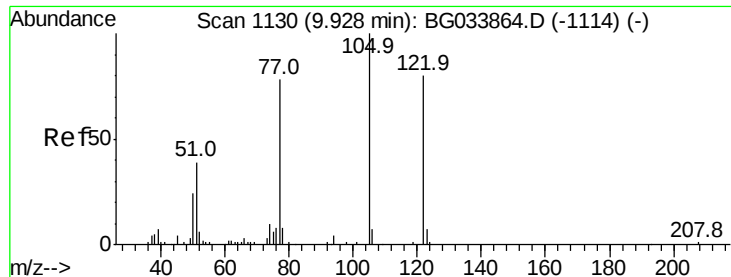


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.198 ng

RT: 9.93 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampleId :

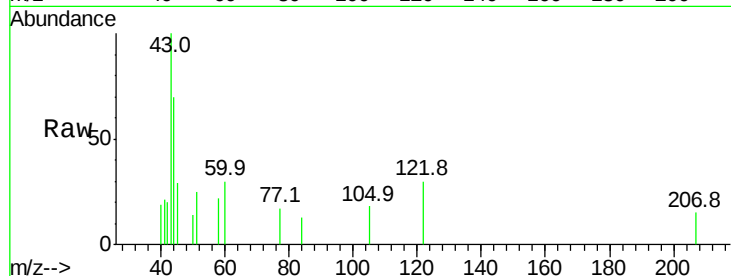
Tot Ion:122 Resp: 465

Ion Ratio Lower Upper

122 100

105 61.5 123.5 163.5#

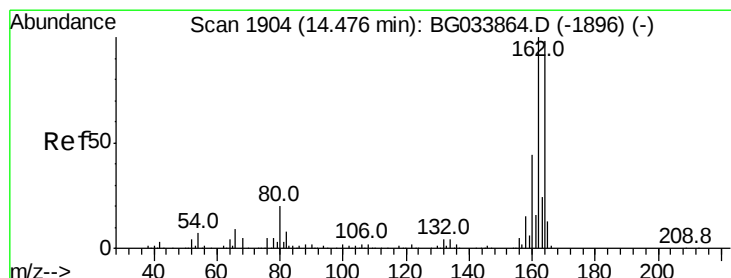
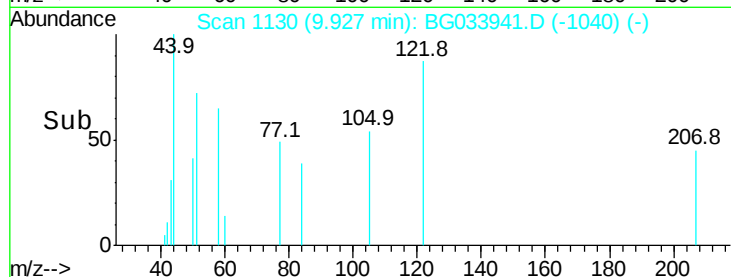
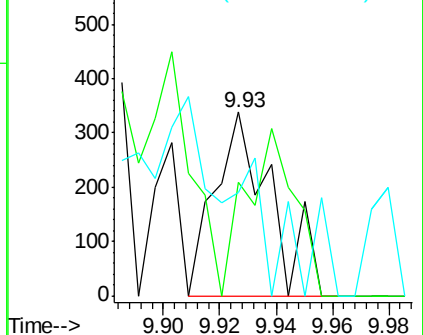
77 56.5 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

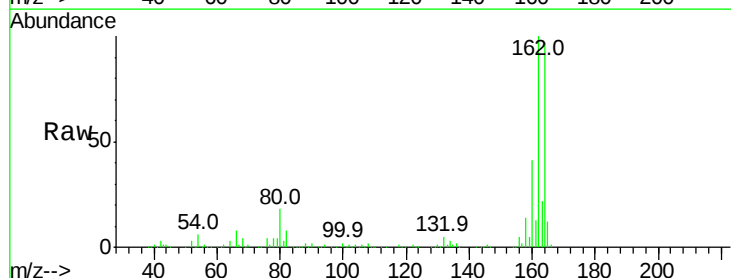
Tgt Ion:164 Resp: 172710

Ion Ratio Lower Upper

164 100

162 103.0 78.8 118.2

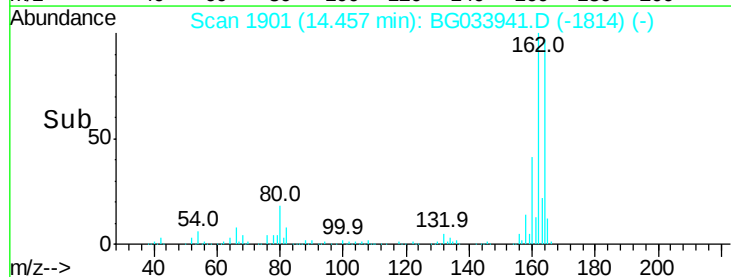
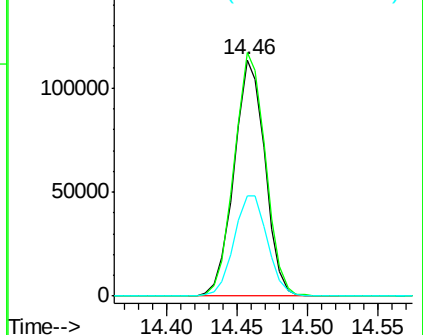
160 42.2 35.4 53.0

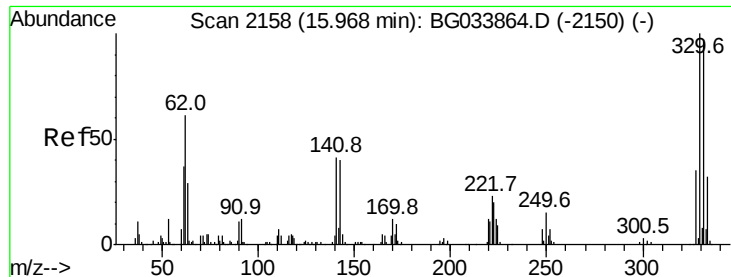


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

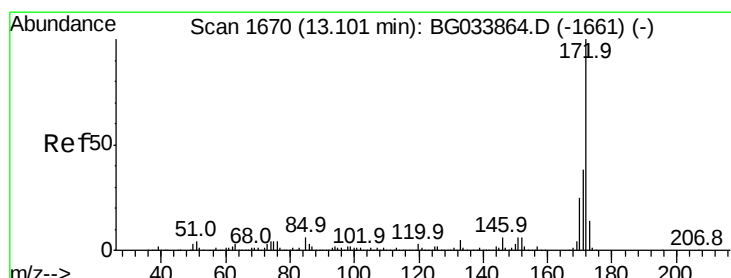
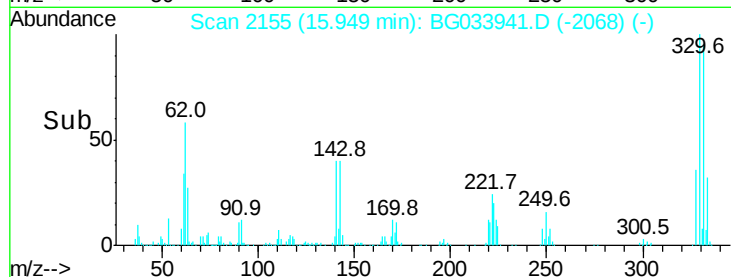
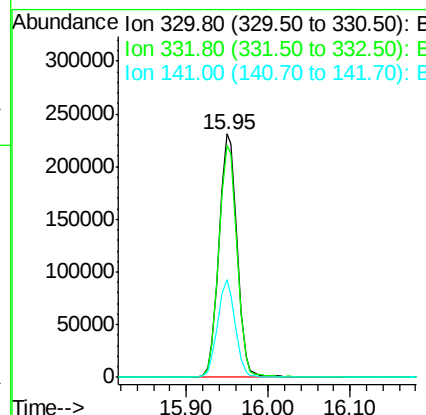
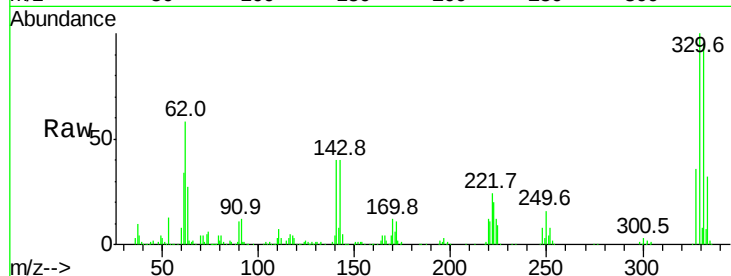




#41
 2,4,6-Tribromophenol
 Concen: 177.679 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033941.D
 Acq: 24 Apr 2018 4:52

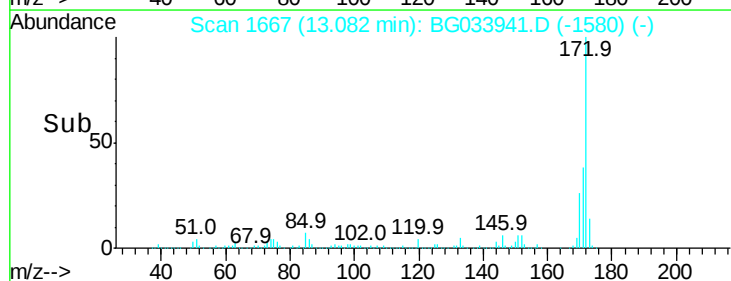
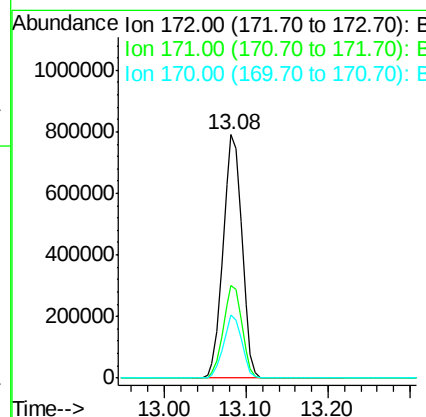
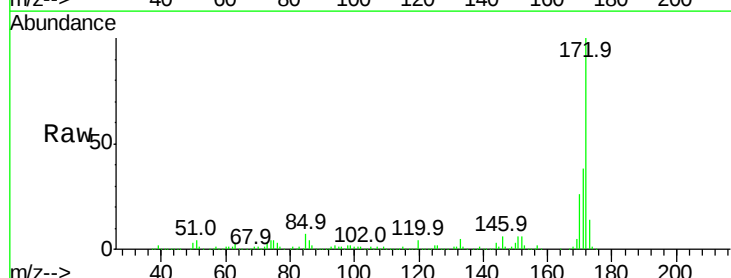
Instrument :
 BNA_G
 ClientSampleId :

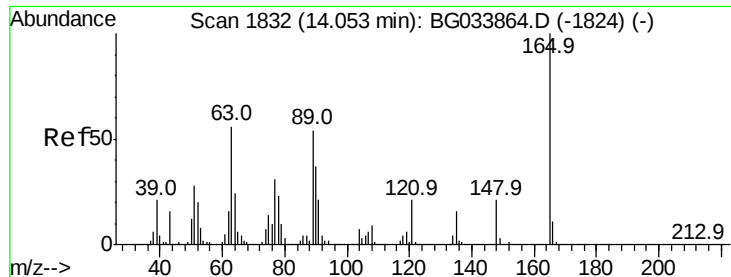
Tot Ion:330 Resp: 358012
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 39.1 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 107.817 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033941.D
 Acq: 24 Apr 2018 4:52

Tgt Ion:172 Resp: 1267585
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.0 45.0
 170 26.1 19.5 29.3





#50

2,6-Dinitrotoluene

Concen: 7.794 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.40 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampleId :

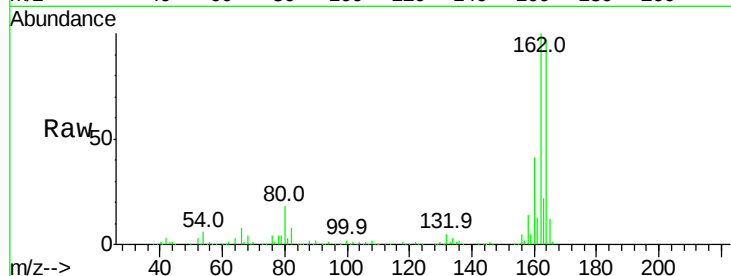
Tot Ion:165 Resp: 22440

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

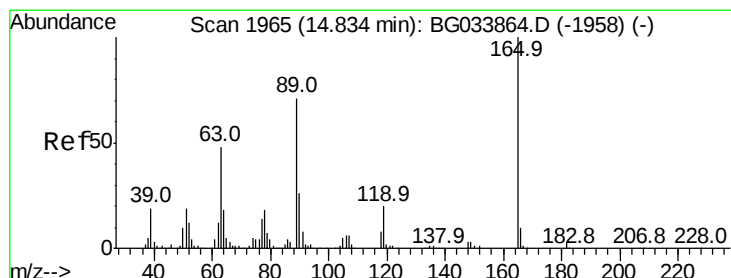
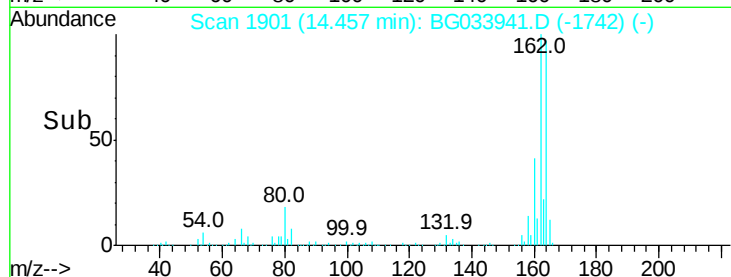
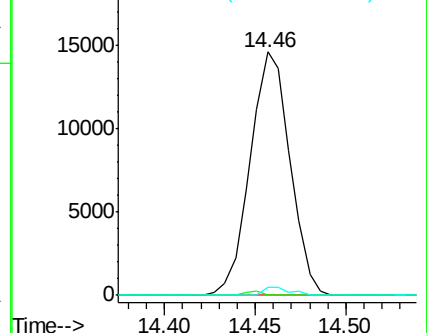
89 3.2 49.2 73.8#



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: 5.861 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Tgt Ion:165 Resp: 22440

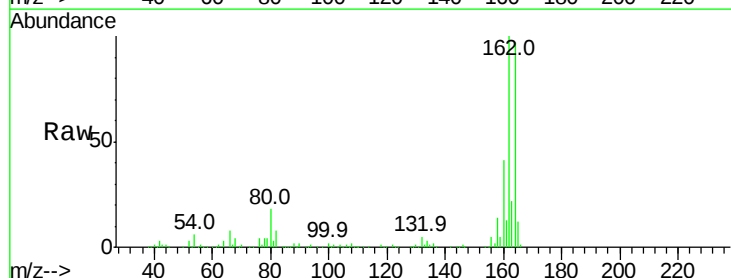
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

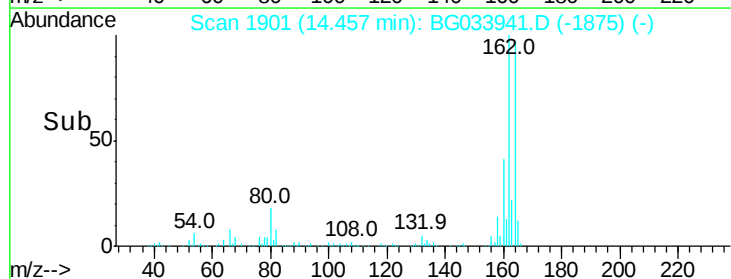
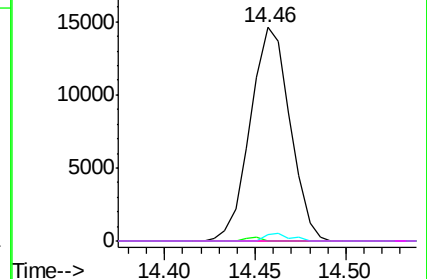


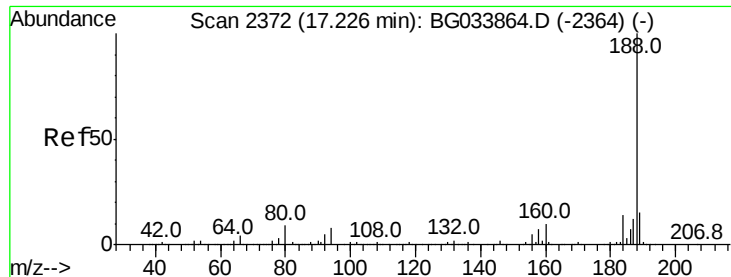
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2370

Delta R.T. -0.01 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampleId :

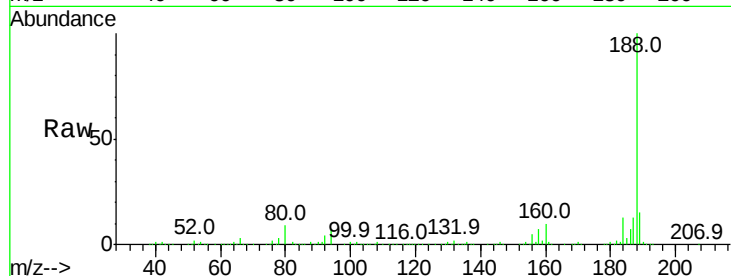
Tot Ion:188 Resp: 479373

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

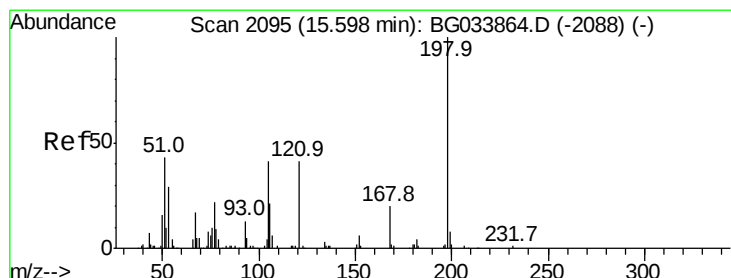
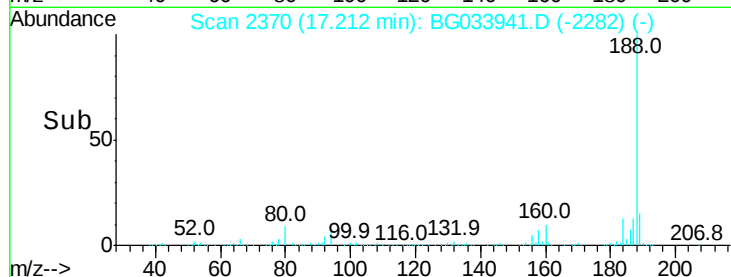
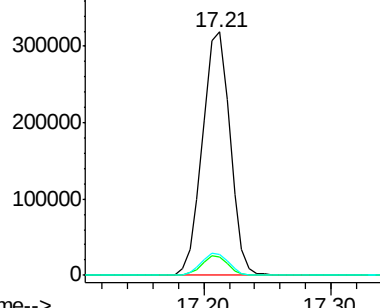
80 8.8 7.7 11.5



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: 6.575 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

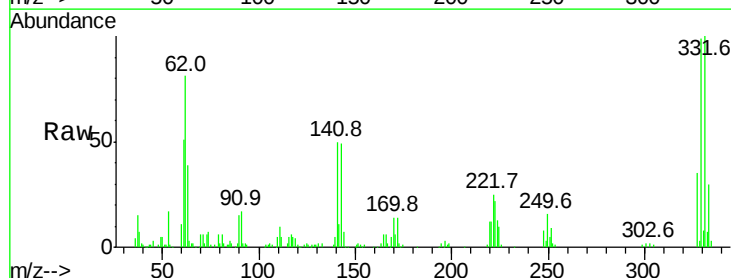
Tgt Ion:198 Resp: 229

Ion Ratio Lower Upper

198 100

51 37.5 30.6 70.6

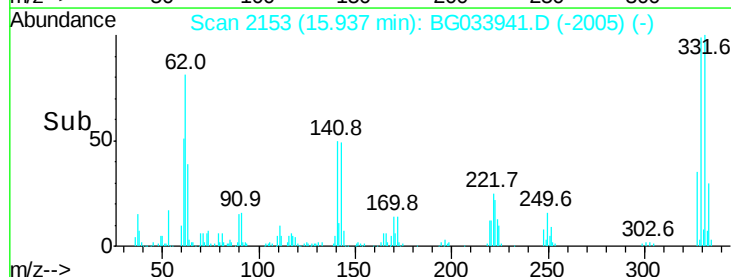
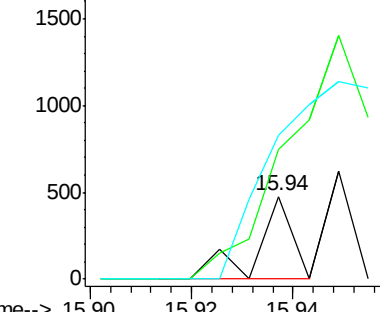
105 41.9 23.8 63.8

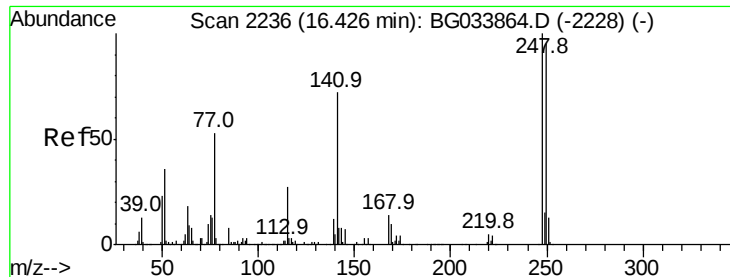


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

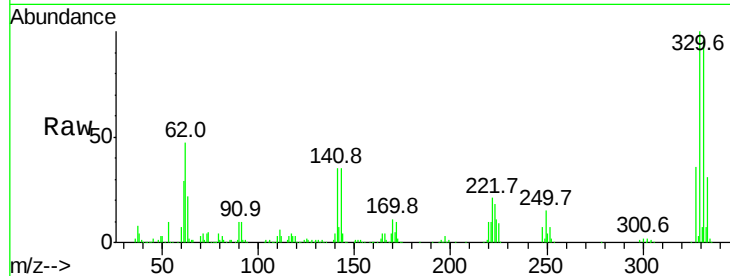




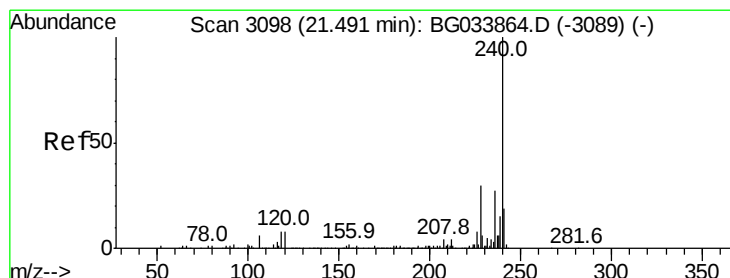
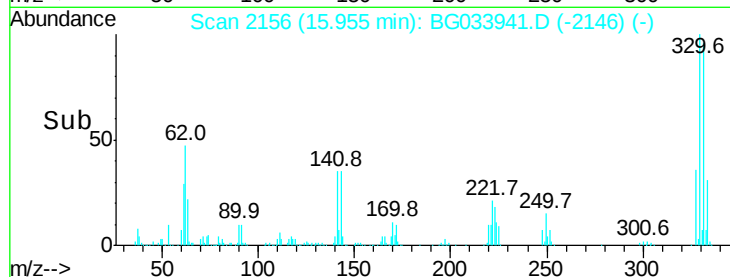
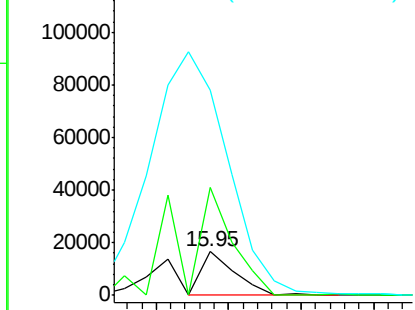
#66
 4-Bromophenyl-phenylether
 Concen: 2.056 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.47 min
 Lab File: BG033941.D
 Acq: 24 Apr 2018 4:52

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10826
 Ion Ratio Lower Upper
 248 100
 250 188.2 77.1 115.7#
 141 356.0 50.8 76.2#

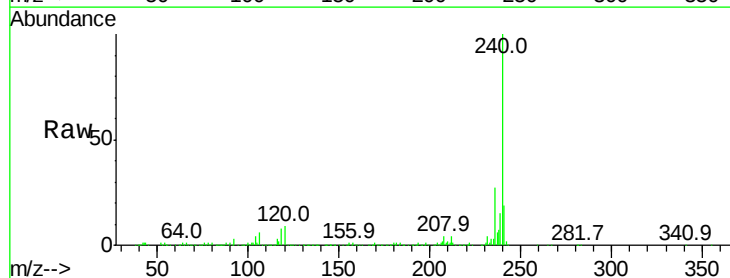


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

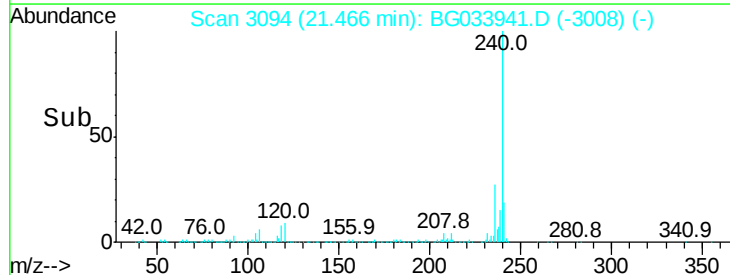
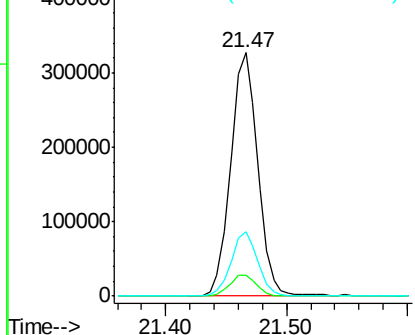


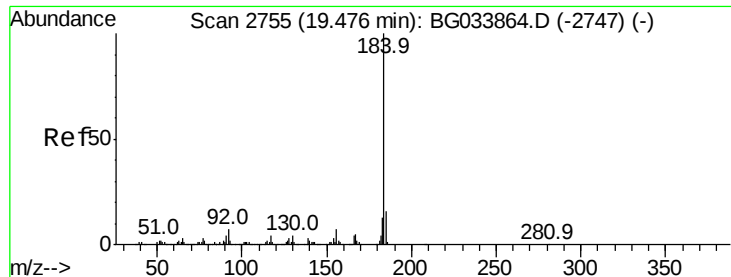
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.03 min
 Lab File: BG033941.D
 Acq: 24 Apr 2018 4:52

Tgt Ion:240 Resp: 512201
 Ion Ratio Lower Upper
 240 100
 120 8.8 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: 2.902 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.37 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

Instrument :

BNA_G

ClientSampleId :

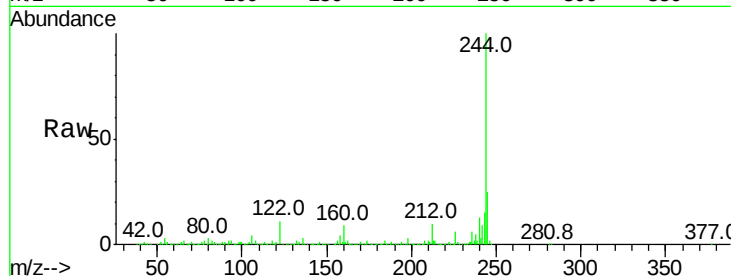
Tot Ion:184 Resp: 40143

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

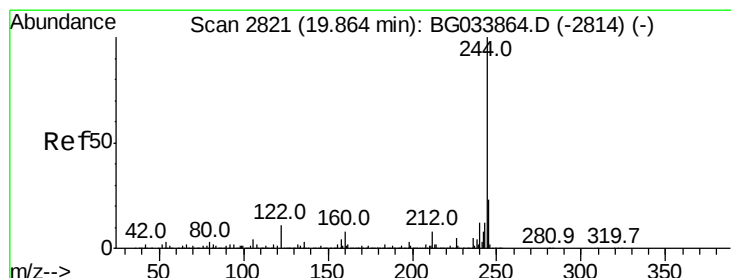
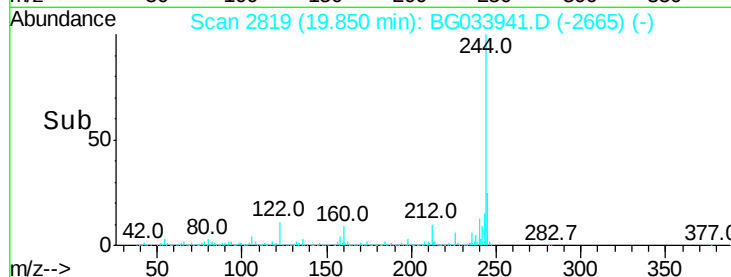
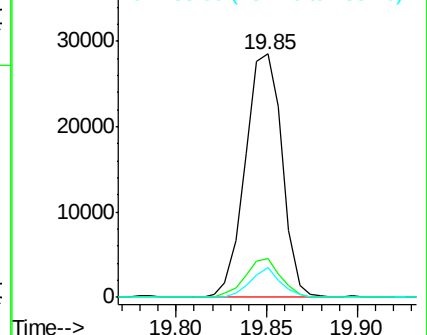
183 12.2 10.6 16.0



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



#78

Terphenyl-d14

Concen: 102.911 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033941.D

Acq: 24 Apr 2018 4:52

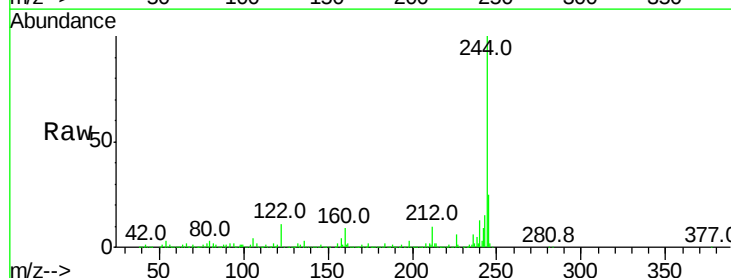
Tgt Ion:244 Resp: 2346257

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

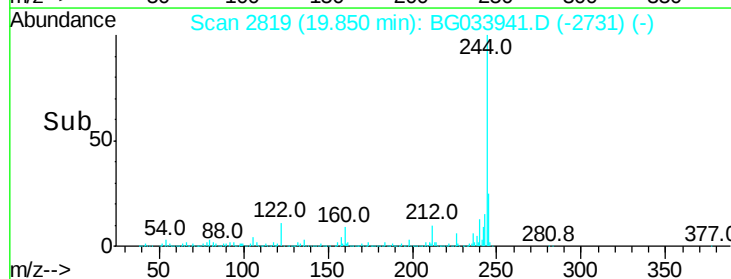
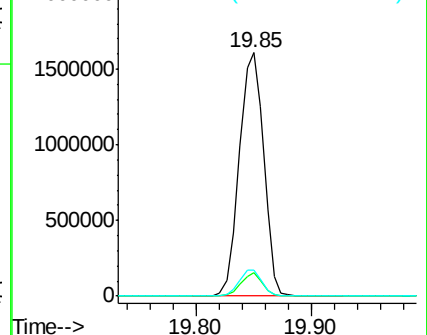
122 10.9 7.0 10.4#

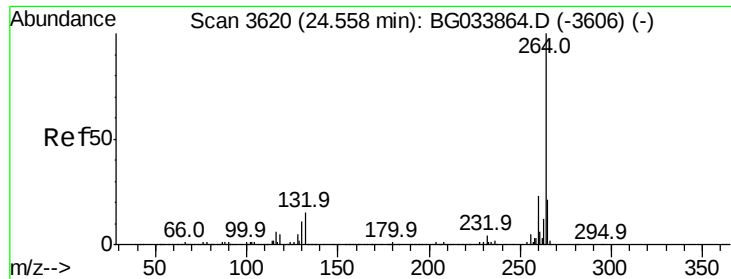


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

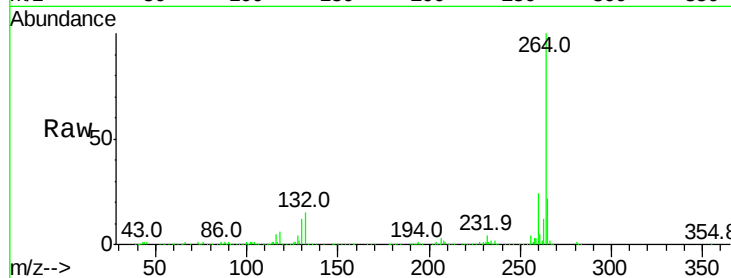




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.52 min Scan# 3614
Delta R.T. -0.04 min
Lab File: BG033941.D
Acq: 24 Apr 2018 4:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 492331
Ion Ratio Lower Upper
264 100
260 23.9 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

