

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033912.D
 Acq On : 21 Apr 2018 8:50
 Operator : SJ/JU
 Sample : J2473-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-U-M

Quant Time: Apr 23 03:13:34 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

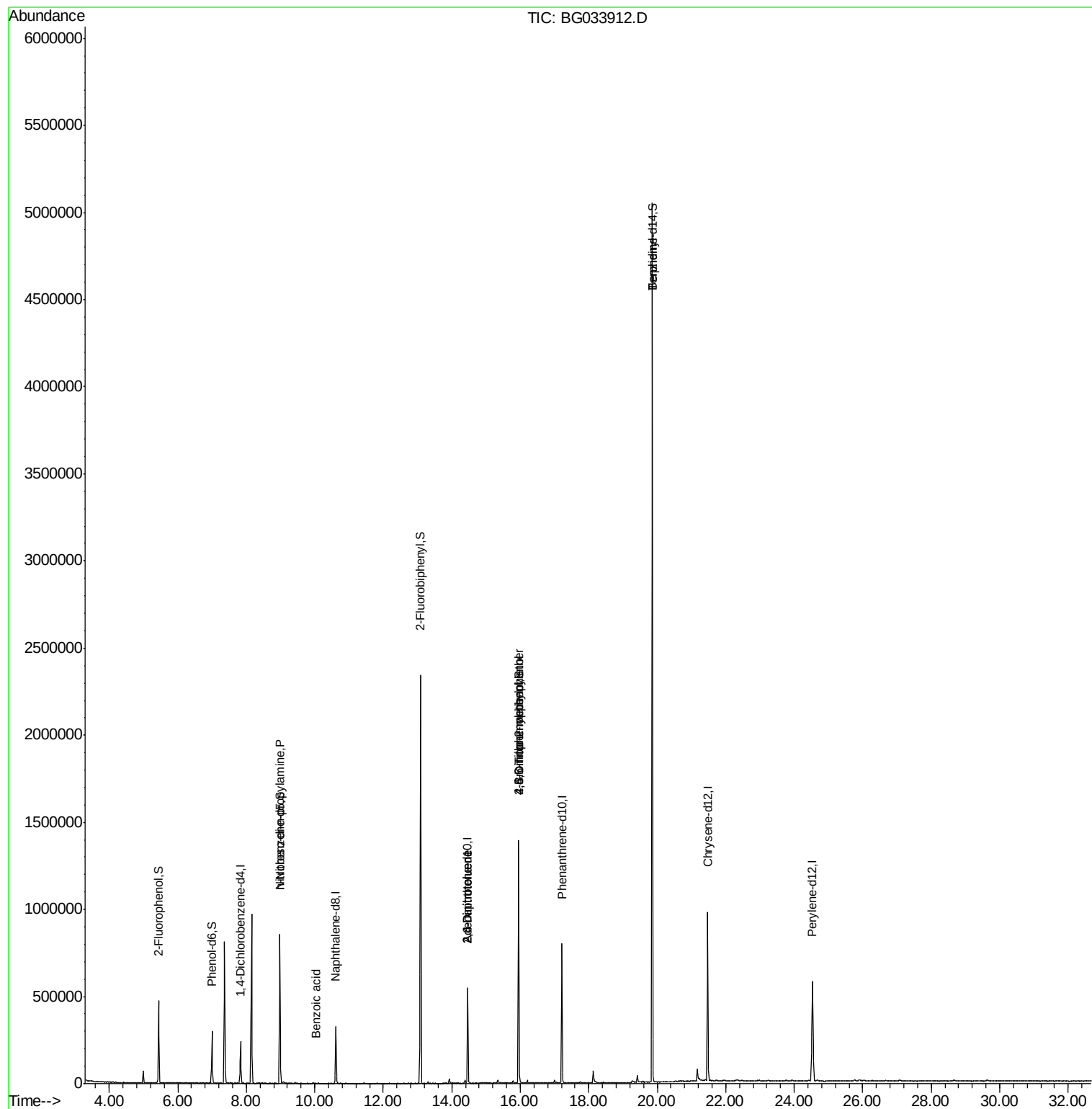
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	65802	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	276838	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	182209	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	497031	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	565206	20.00	ng	-0.02
86) Perylene-d12	24.53	264	565403	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	192544	46.72	ng	0.00
7) Phenol-d6	6.99	99	164598	27.38	ng	0.00
23) Nitrobenzene-d5	8.98	82	503226	103.45	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	249066	117.17	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1211014	97.64	ng	-0.01
78) Terphenyl-d14	19.86	244	2294785	91.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.99	77	129	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	68674	13.402 ng	#	81
32) Benzoic acid	10.04	122	59	5.098 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	23918	7.874 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	23918	5.922 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.95	198	1529	7.042 ng	#	68
66) 4-Bromophenyl-phenylether	15.95	248	20675	3.788 ng	#	1
76) Benzidine	19.86	184	38884	2.548 ng	#	91

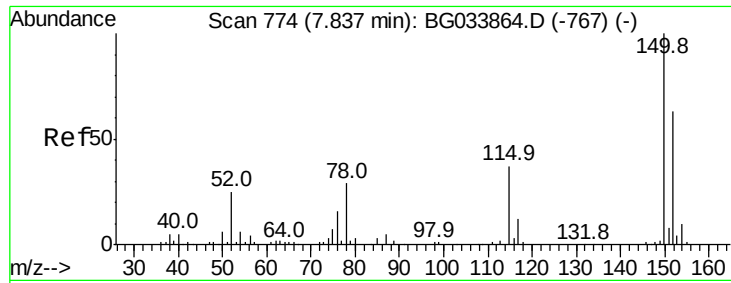
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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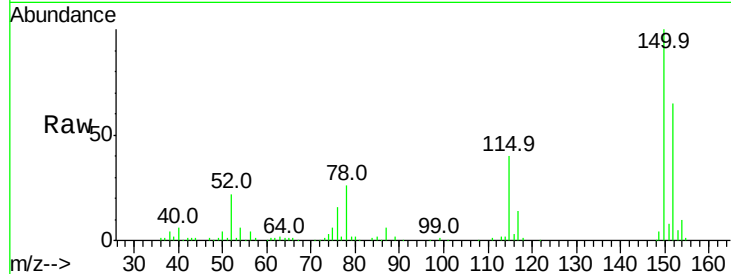


#1

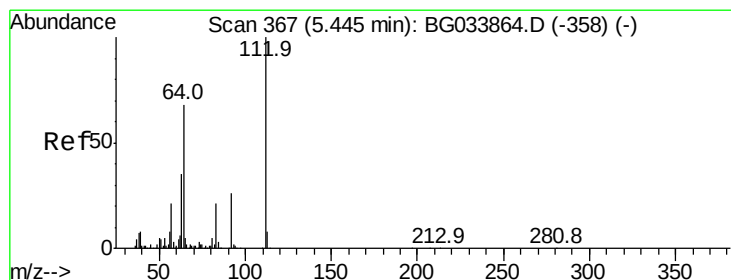
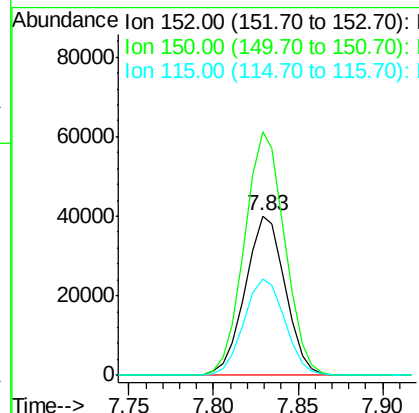
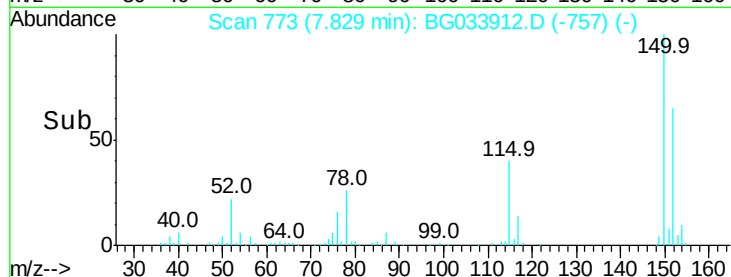
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-U-M

Tot Ion:152 Resp: 65802
 Ion Ratio Lower Upper
 152 100
 150 152.8 126.6 189.8
 115 60.5 53.0 79.4



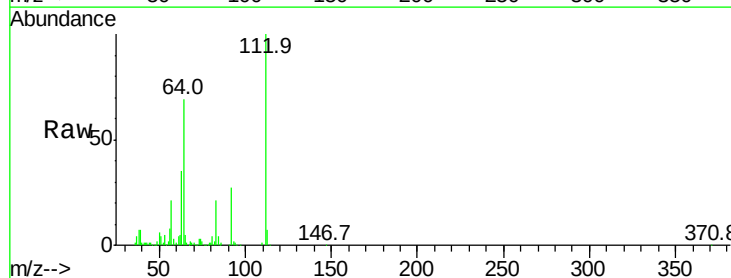
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



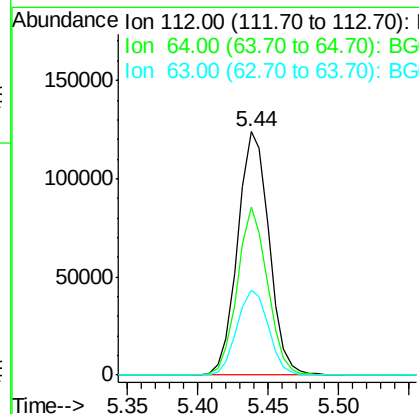
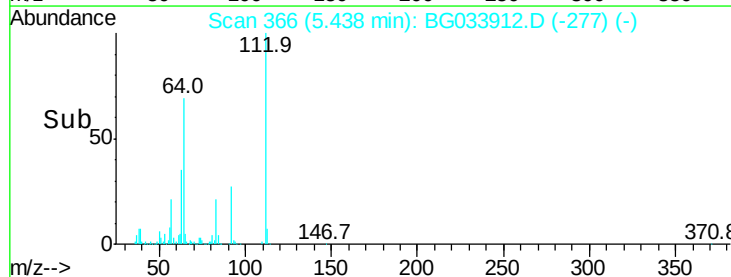
#5

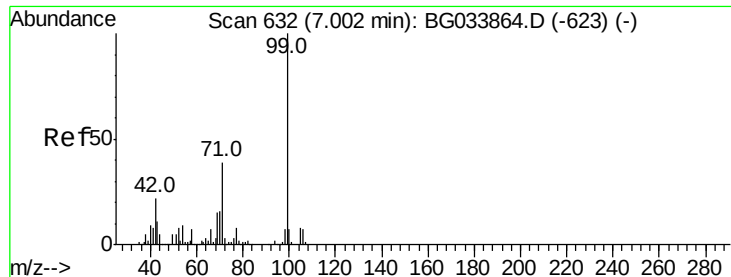
2-Fluorophenol
 Concen: 46.716 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Tgt Ion:112 Resp: 192544
 Ion Ratio Lower Upper
 112 100
 64 69.3 56.3 84.5
 63 35.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 27.380 ng

RT: 6.99 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-M

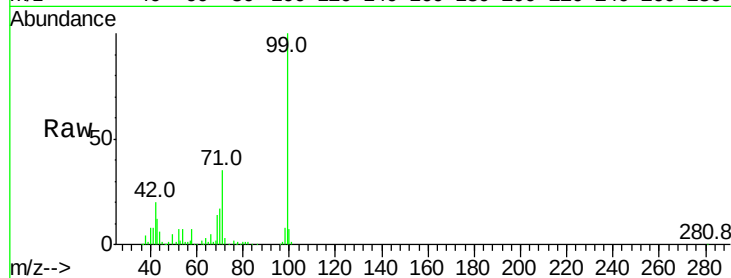
Tot Ion: 99 Resp: 164598

Ion Ratio Lower Upper

99 100

42 20.0 14.1 21.1

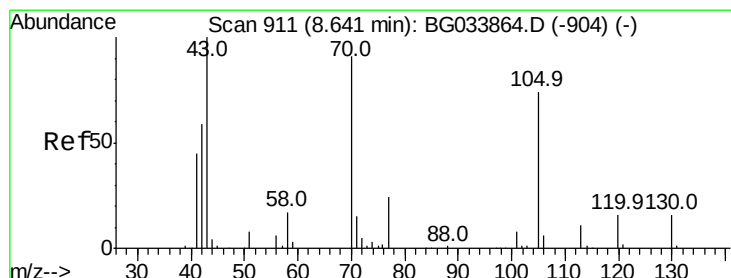
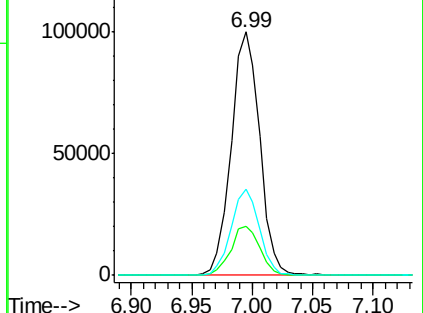
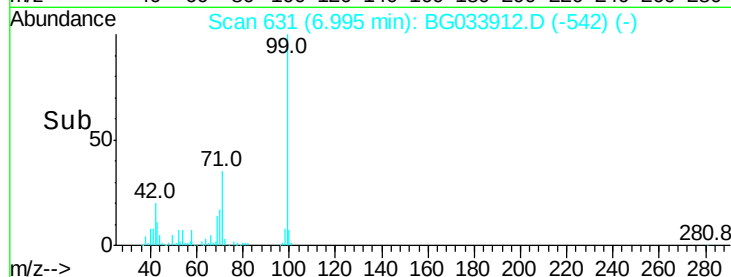
71 35.2 26.1 39.1



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: 13.402 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

Tgt Ion: 70 Resp: 68674

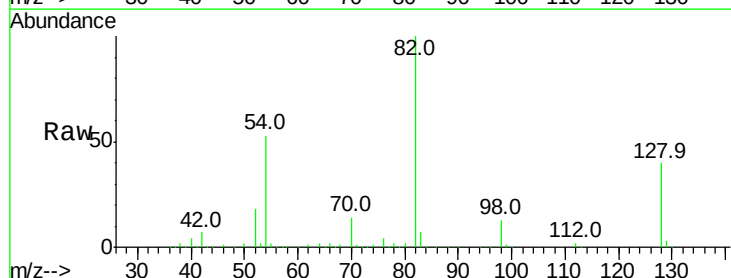
Ion Ratio Lower Upper

70 100

42 50.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

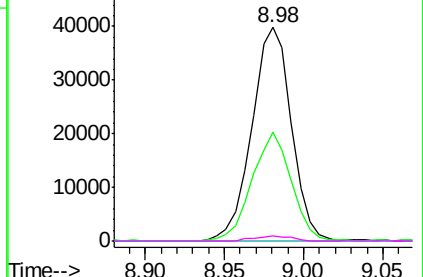
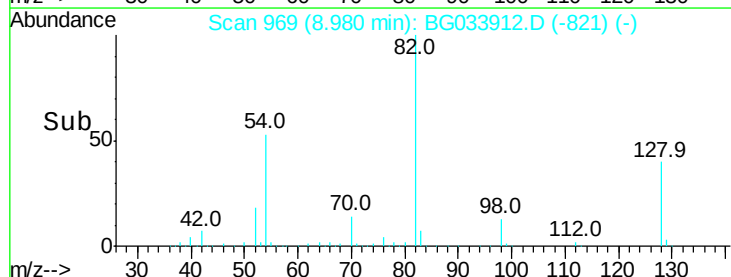


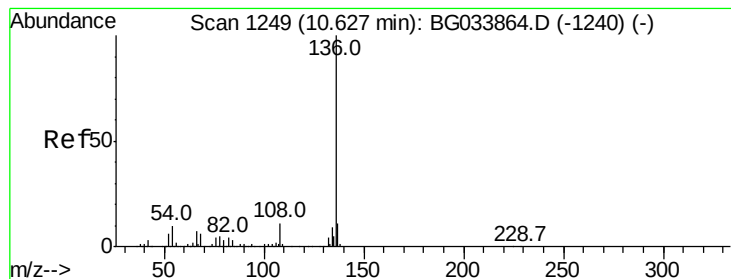
Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1247

Delta R.T. -0.01 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-M

Tot Ion:136 Resp: 276838

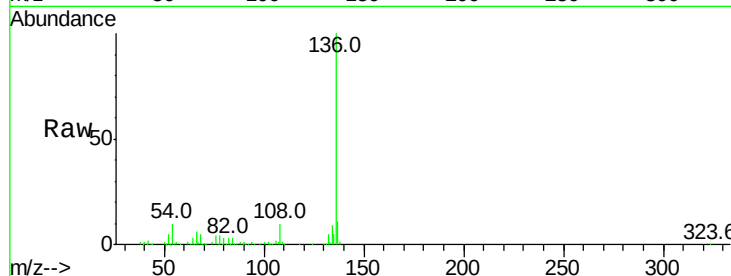
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 9.6 10.3 15.5#

68 5.4 4.5 6.7

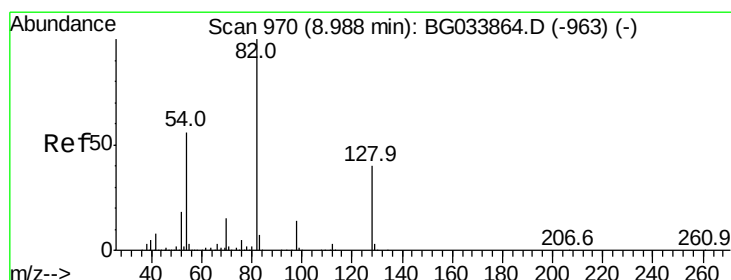
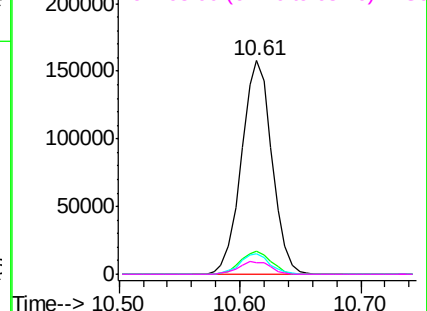
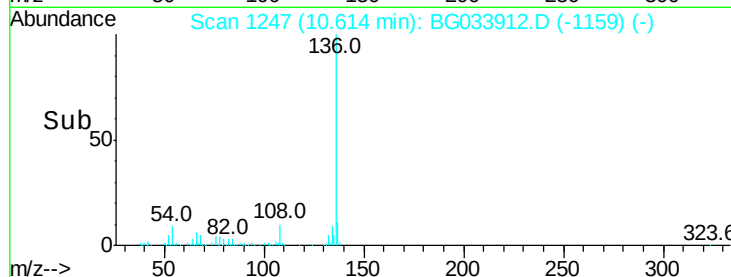


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 103.448 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

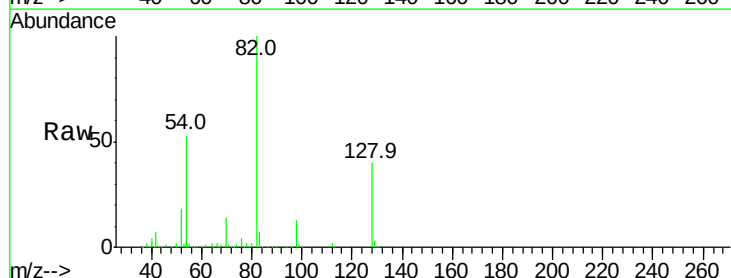
Tgt Ion: 82 Resp: 503226

Ion Ratio Lower Upper

82 100

128 40.4 29.7 44.5

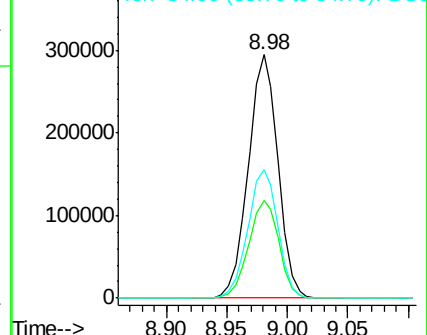
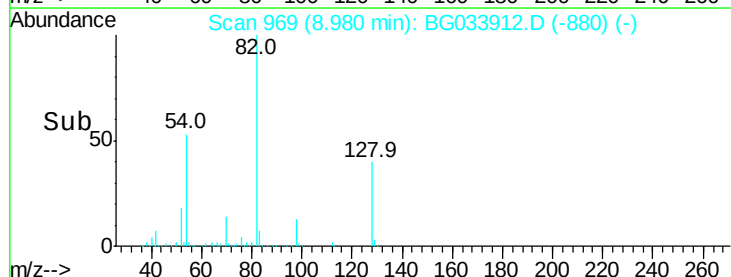
54 52.9 43.1 64.7

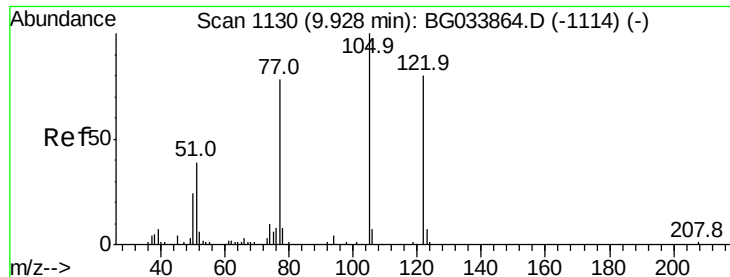


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.098 ng

RT: 10.04 min Scan# 1150

Delta R.T. 0.12 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-M

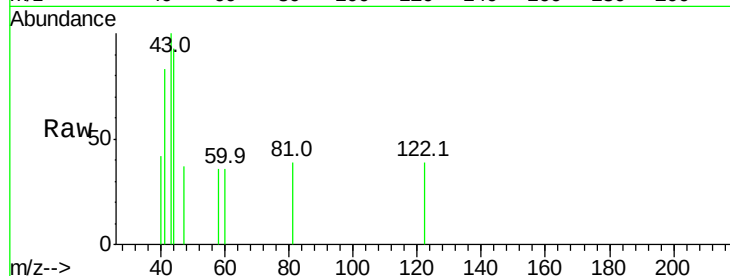
Tot Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

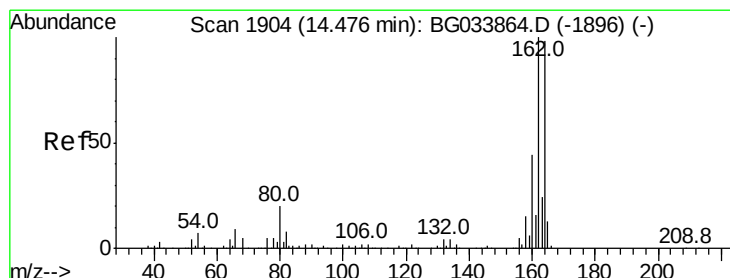
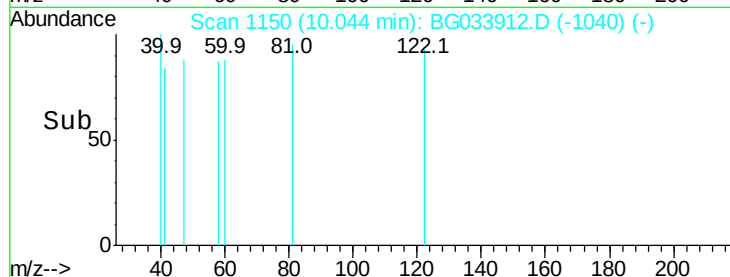
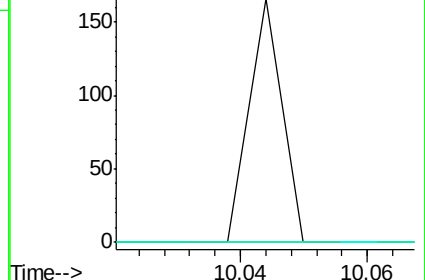
77 0.0 85.7 125.7#



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): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

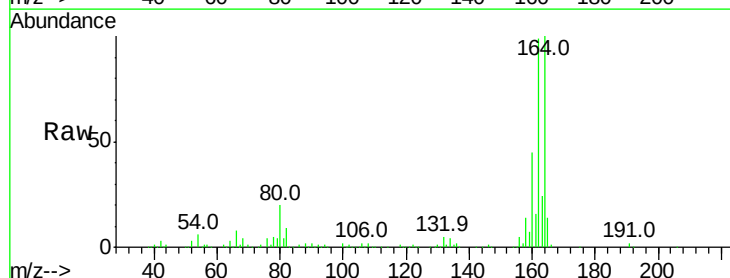
Tgt Ion:164 Resp: 182209

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

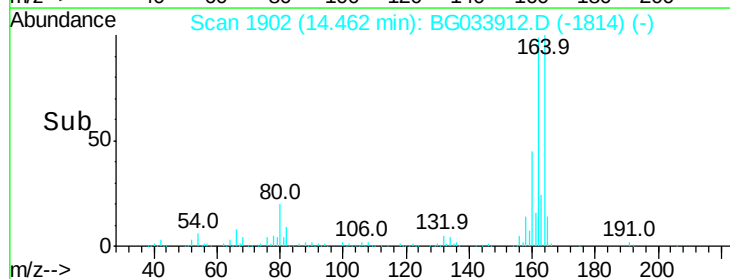
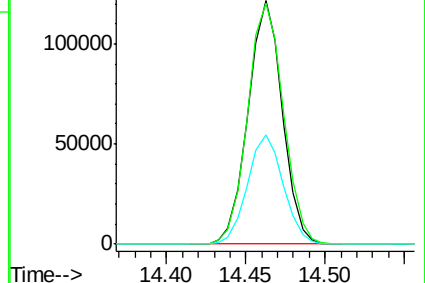
160 44.6 35.4 53.0

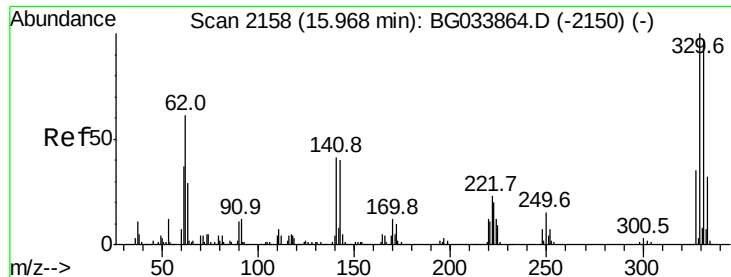


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

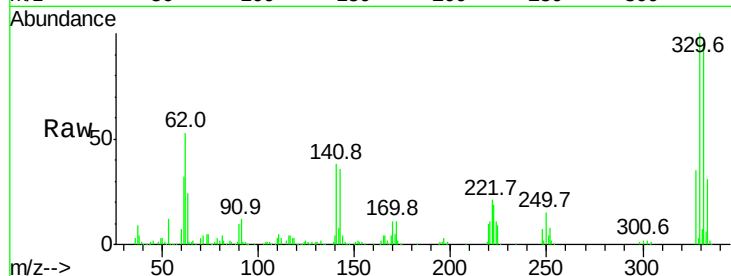




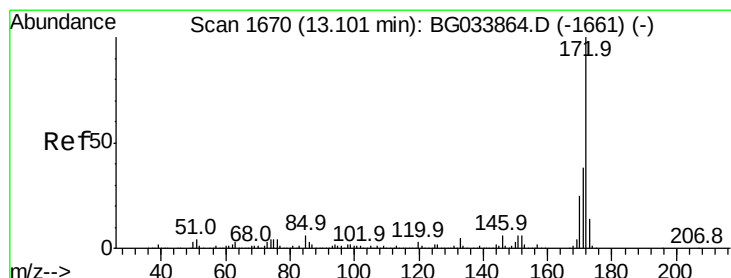
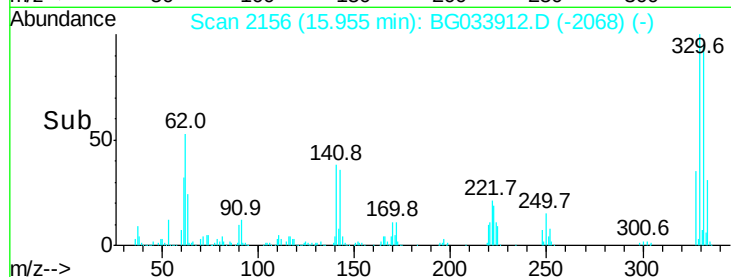
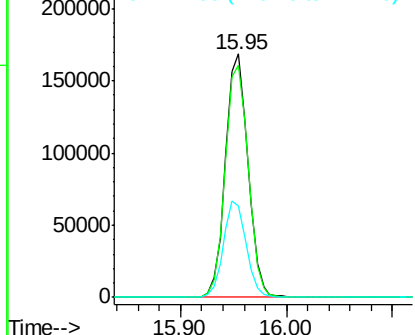
#41
 2,4,6-Tribromophenol
 Concen: 117.166 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-U-M

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	40.0	25.2	37.8#

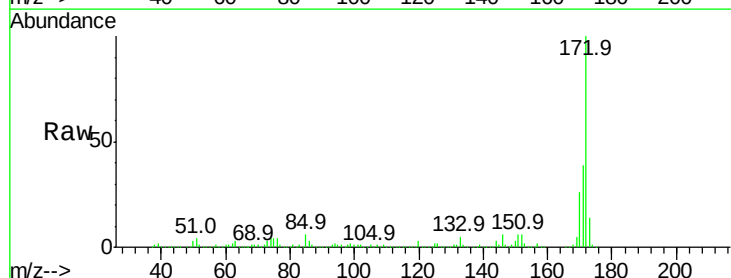


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

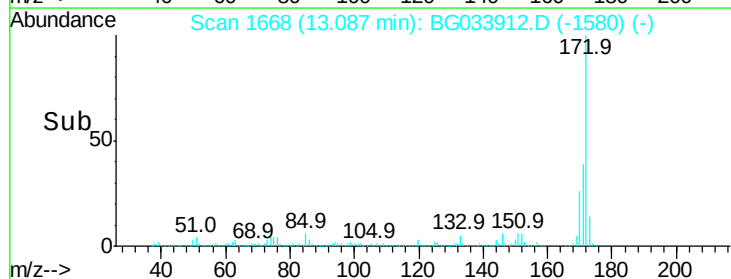
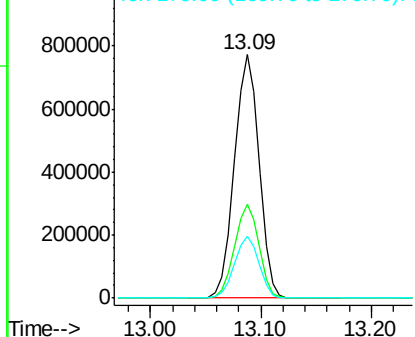


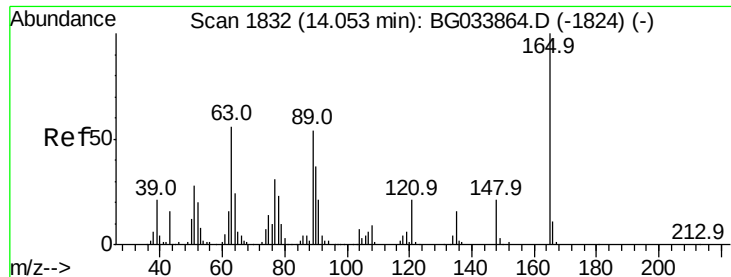
#44
 2-Fluorobiphenyl
 Concen: 97.636 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.5	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

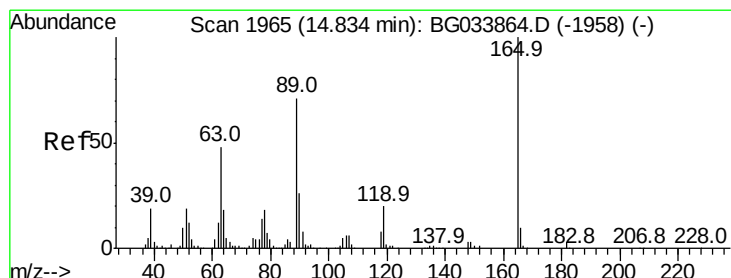
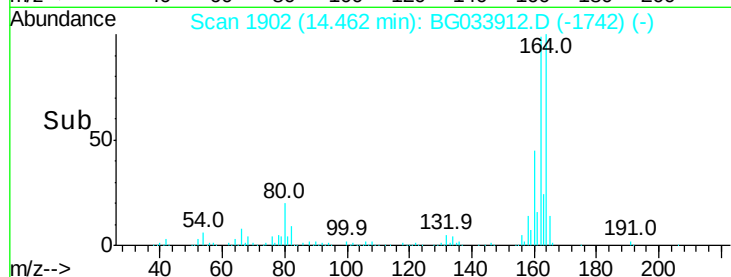
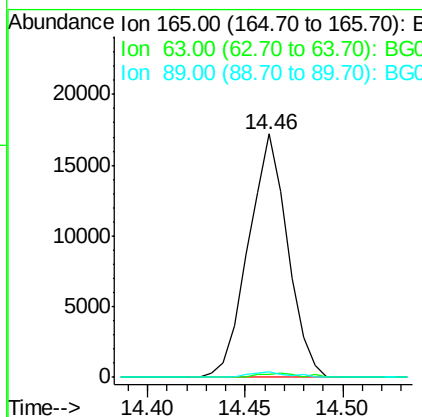
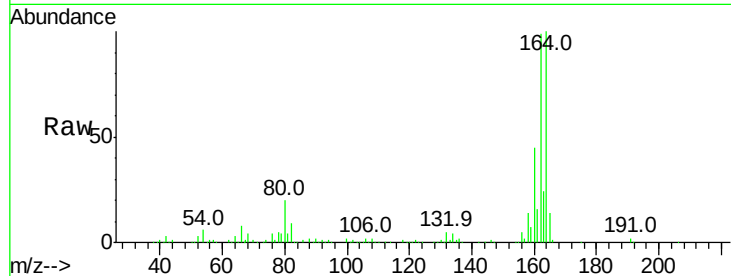




#50
2,6-Dinitrotoluene
Concen: 7.874 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033912.D
Acq: 21 Apr 2018 8:50

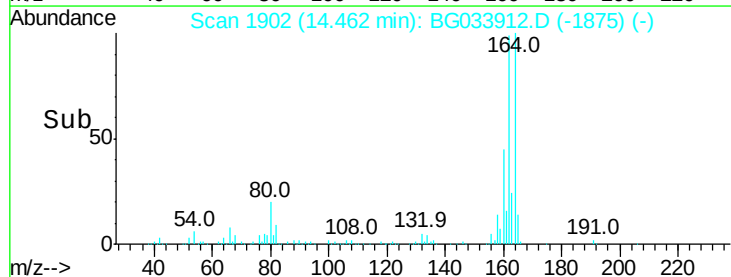
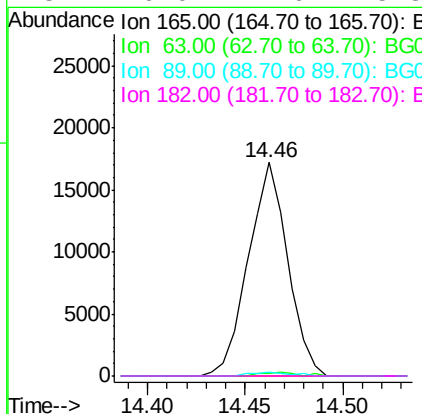
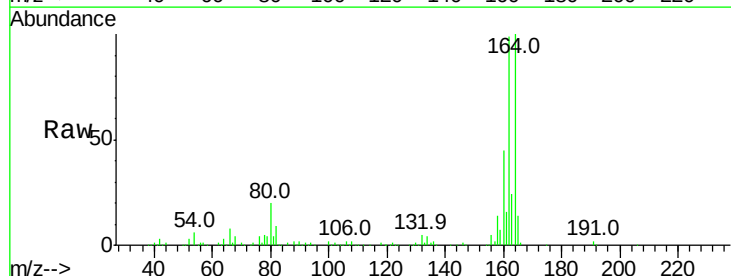
Instrument :
BNA_G
ClientSampleId :
041818-SIDW-F-U-M

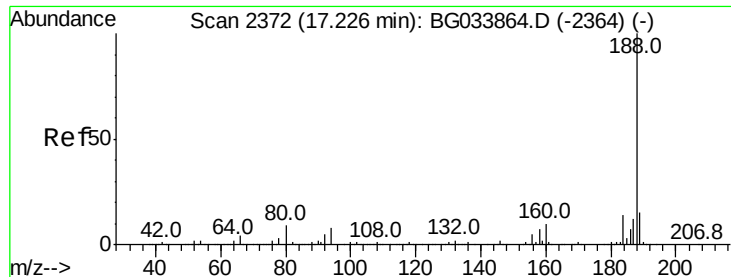
Tot Ion:165 Resp: 23918
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 2.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.922 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033912.D
Acq: 21 Apr 2018 8:50

Tgt Ion:165 Resp: 23918
Ion Ratio Lower Upper
165 100
63 1.5 42.0 63.0#
89 2.0 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: BG033912.D

Acq: 21 Apr 2018 8:50

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-M

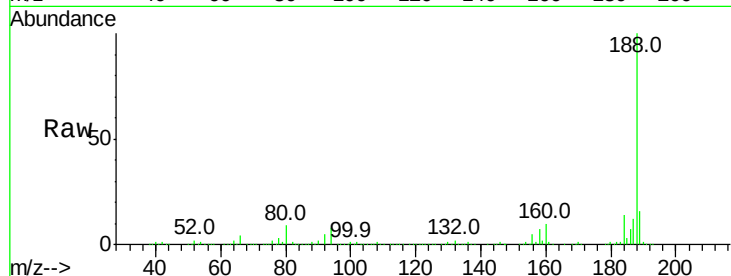
Tot Ion:188 Resp: 497031

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

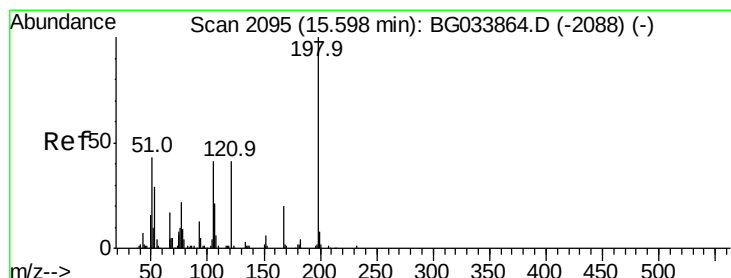
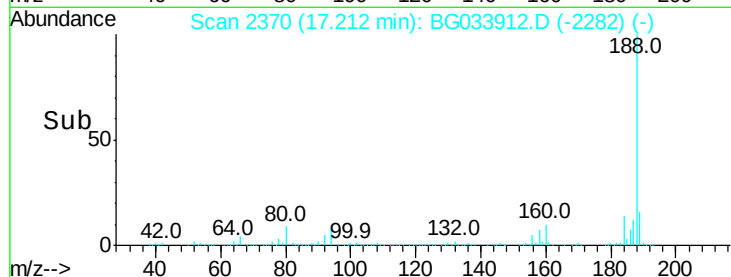
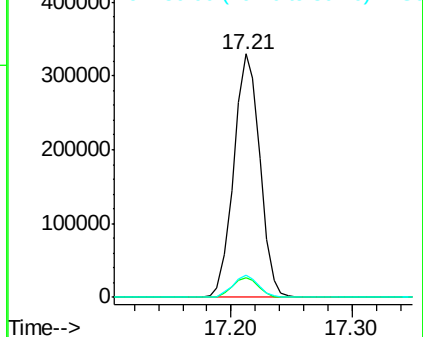
80 8.9 7.7 11.5



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: 7.042 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

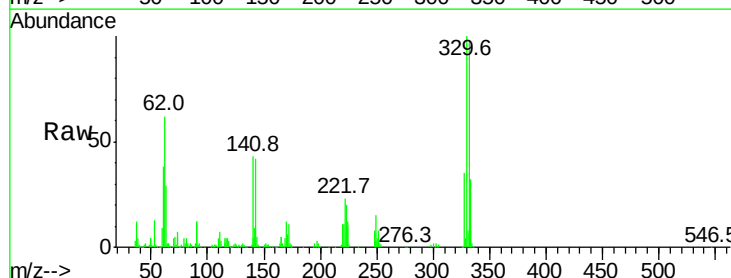
Tgt Ion:198 Resp: 1529

Ion Ratio Lower Upper

198 100

51 30.0 30.6 70.6#

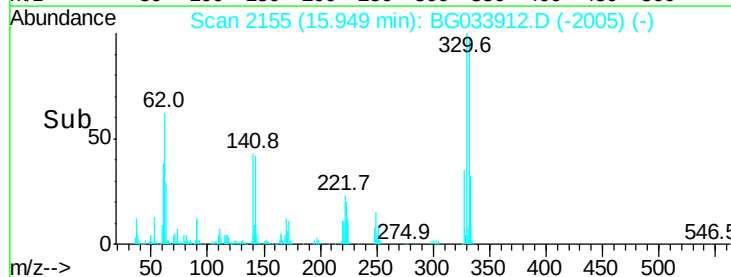
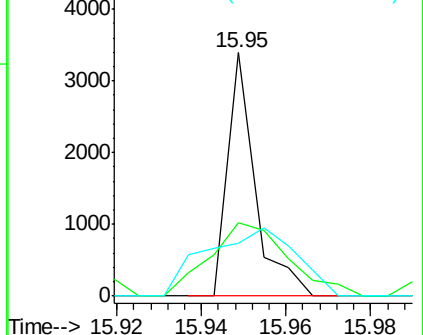
105 21.5 23.8 63.8#

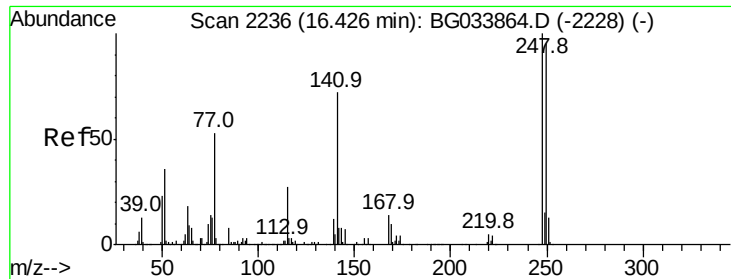


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

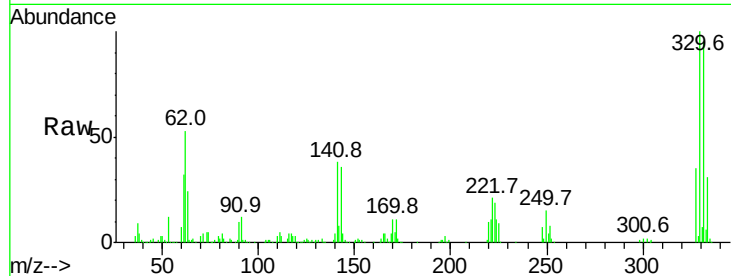




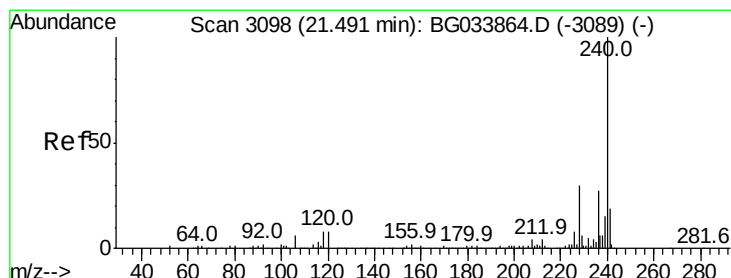
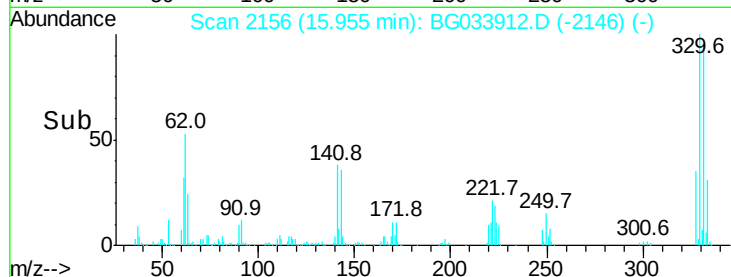
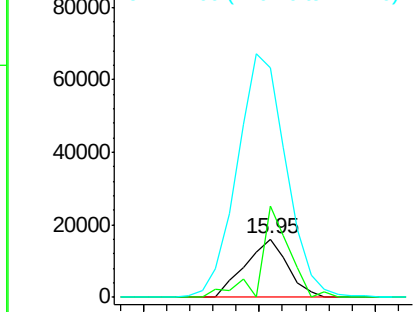
#66
 4-Bromophenyl-phenylether
 Concen: 3.788 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.47 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-U-M

Tot Ion:248 Resp: 20675
 Ion Ratio Lower Upper
 248 100
 250 196.6 77.1 115.7#
 141 393.0 50.8 76.2#

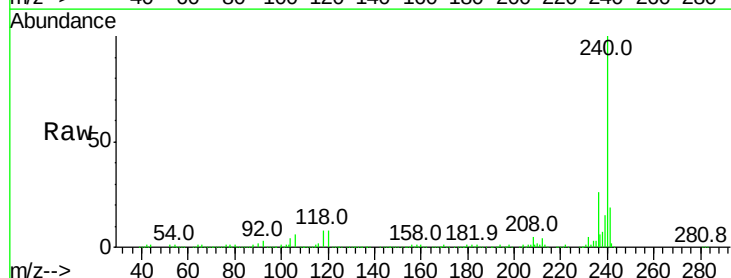


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

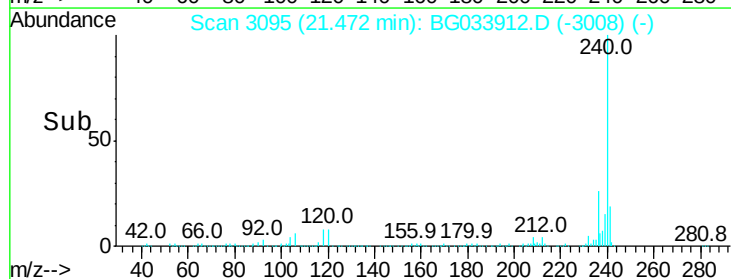
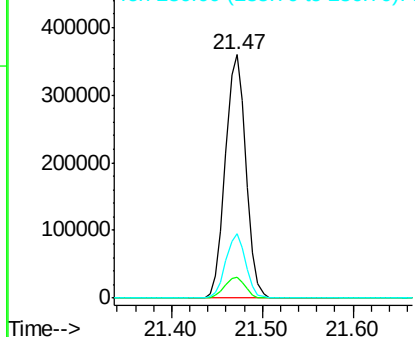


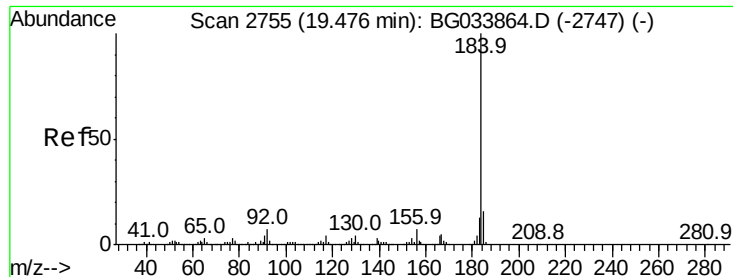
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3095
 Delta R.T. -0.02 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Tgt Ion:240 Resp: 565206
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.8 10.2
 236 26.4 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: 2.548 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-M

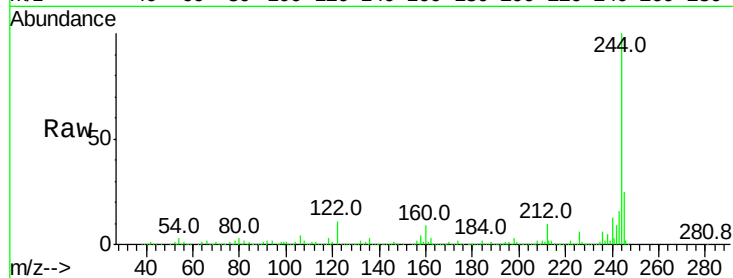
Tot Ion:184 Resp: 38884

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7#

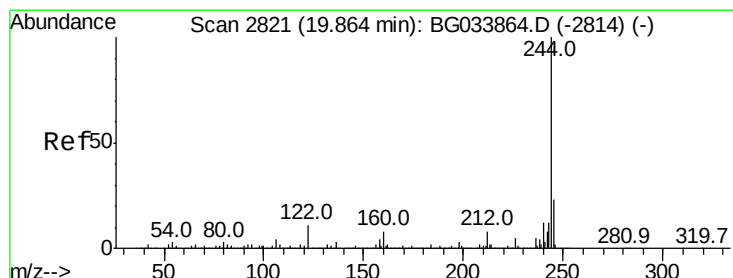
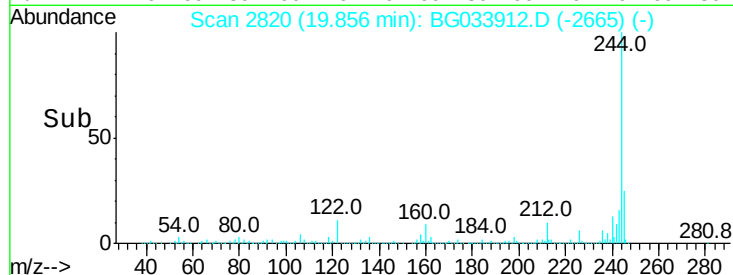
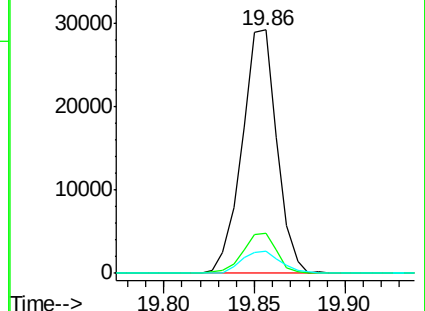
183 9.1 10.6 16.0#



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: 91.214 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033912.D

Acq: 21 Apr 2018 8:50

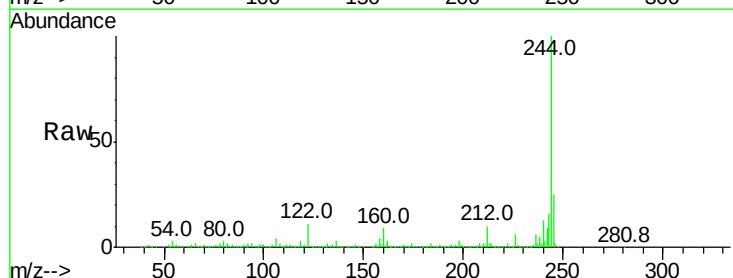
Tgt Ion:244 Resp: 2294785

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

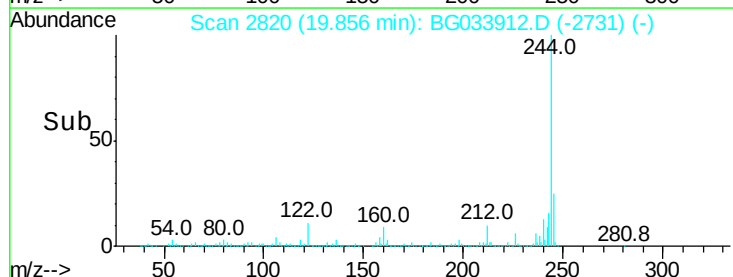
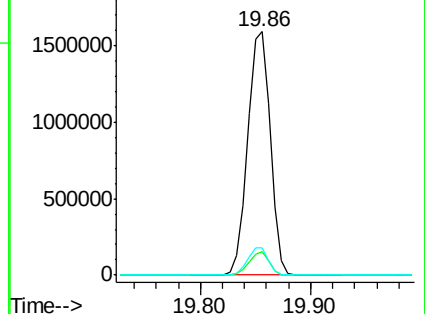
122 11.0 7.0 10.4#

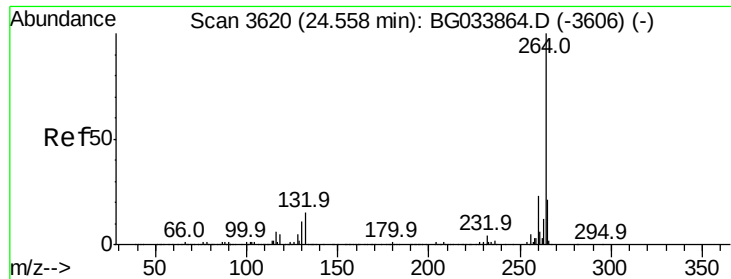


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

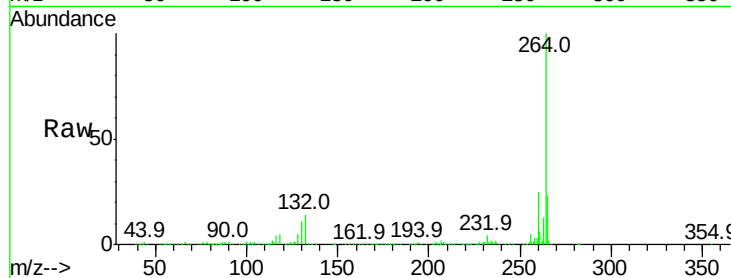




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3616
 Delta R.T. -0.03 min
 Lab File: BG033912.D
 Acq: 21 Apr 2018 8:50

Instrument :
 BNA_G
 ClientSampleId :
 041818-SIDW-F-U-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	17.4	26.0
265	22.6	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

