

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033913.D
 Acq On : 21 Apr 2018 9:28
 Operator : SJ/JU
 Sample : J2473-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Apr 23 03:13:49 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

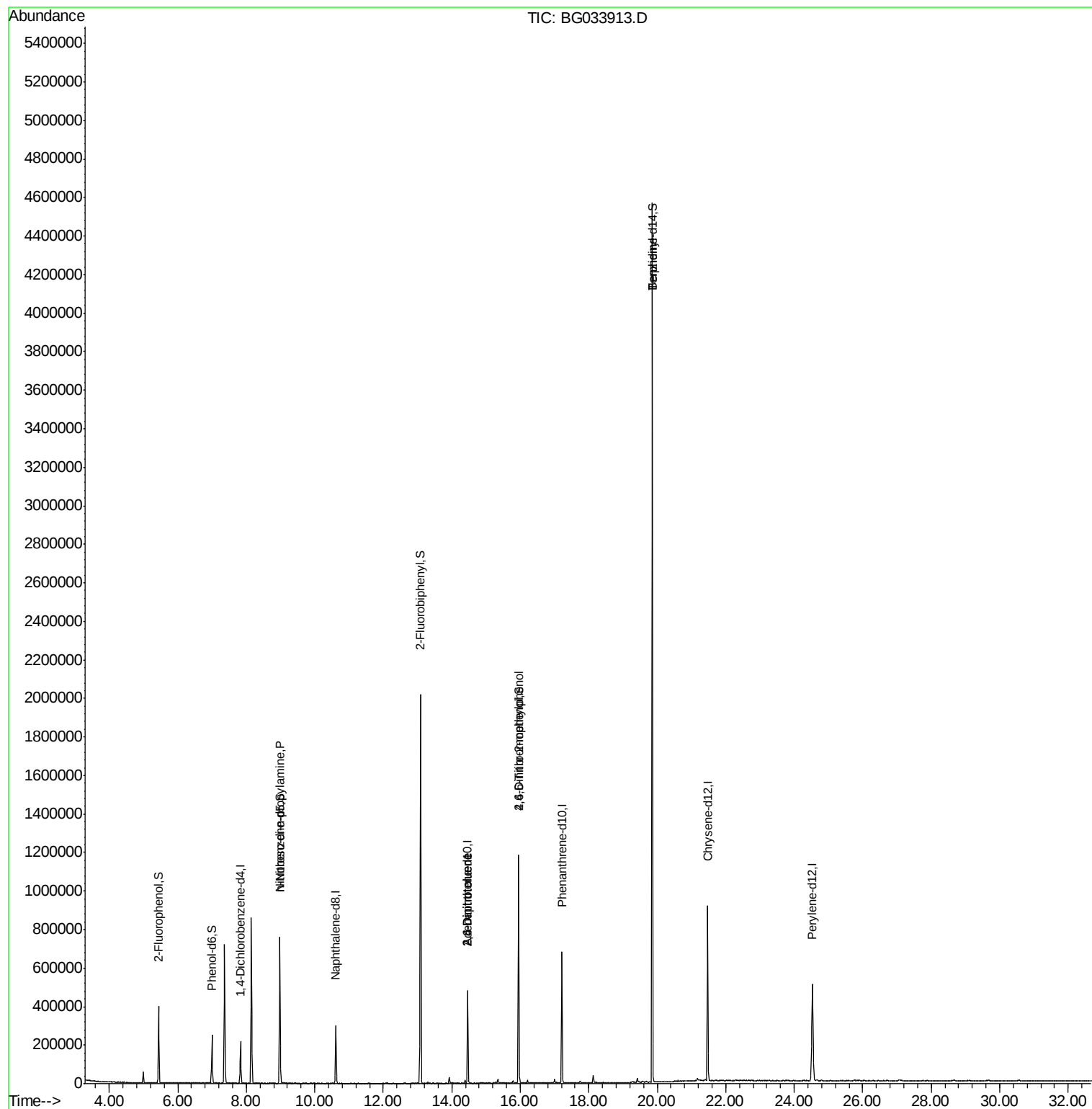
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	59638	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	249684	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	160882	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	426521	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	514512	20.00	ng	-0.02
86) Perylene-d12	24.53	264	516749	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	167366	44.80	ng	0.00
7) Phenol-d6	6.99	99	137069	25.16	ng	0.00
23) Nitrobenzene-d5	8.98	82	444699	101.36	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	208076	110.86	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1055347	96.36	ng	-0.01
78) Terphenyl-d14	19.86	244	2119000	92.53	ng	0.00
Target Compounds						
9) Benzaldehyde	6.98	77	257	Below Cal		Qvalue # 5
19) n-Nitroso-di-n-propylamine	8.98	70	62420	13.440	ng	# 77
50) 2,6-Dinitrotoluene	14.46	165	20462	7.630	ng	# 20
56) 2,4-Dinitrotoluene	14.46	165	20462	5.737	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.94	198	944	6.887	ng	# 79
76) Benzidine	19.86	184	34875	2.510	ng	# 89

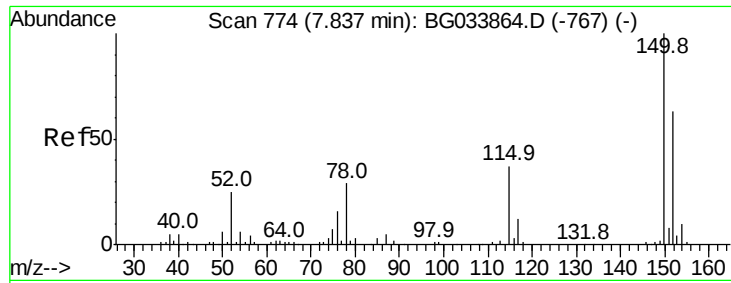
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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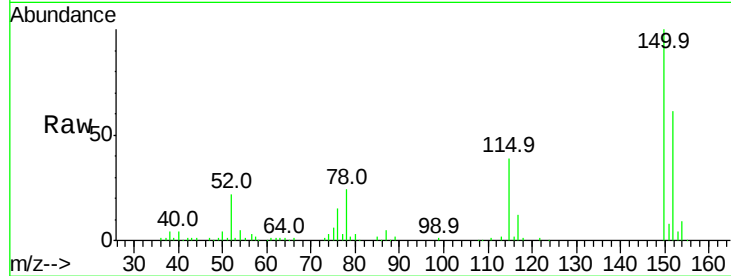


#1

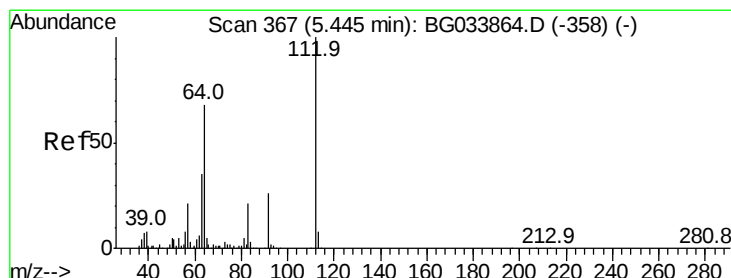
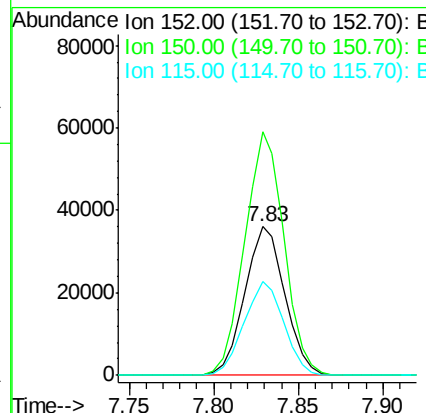
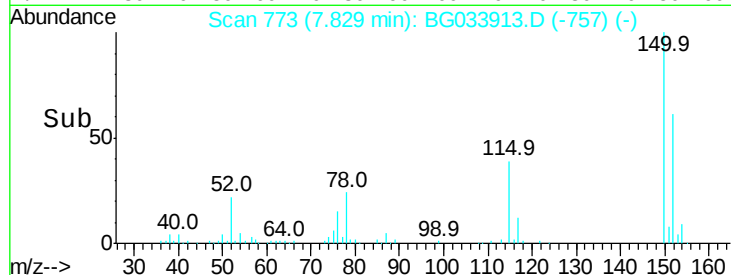
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	126.6	189.8
115	63.2	53.0	79.4



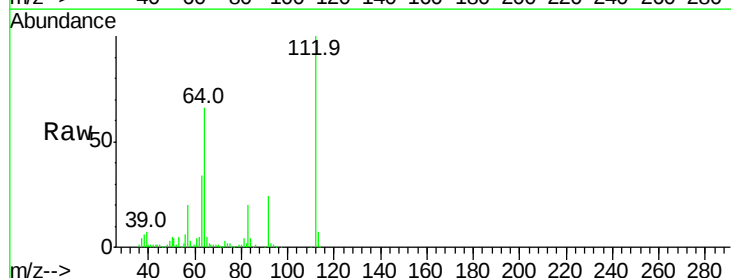
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



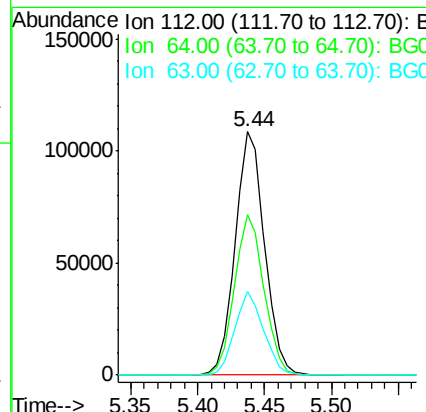
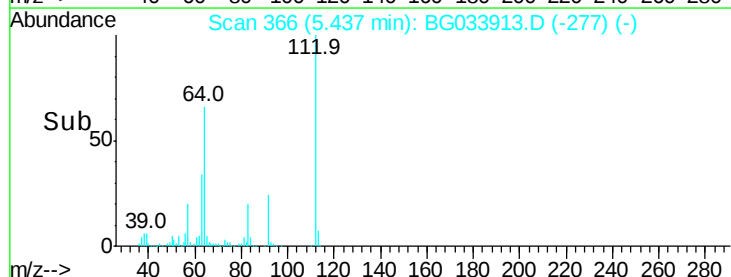
#5

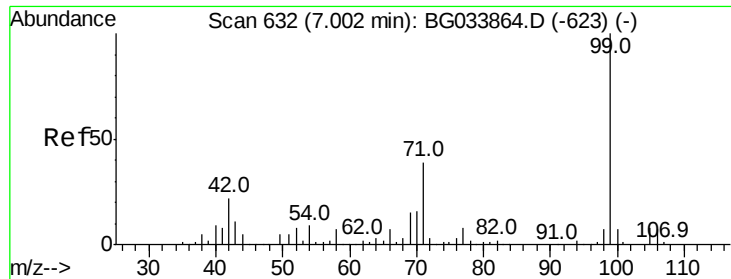
2-Fluorophenol
Concen: 44.805 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	56.3	84.5
63	34.3	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: 25.158 ng

RT: 6.99 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-S

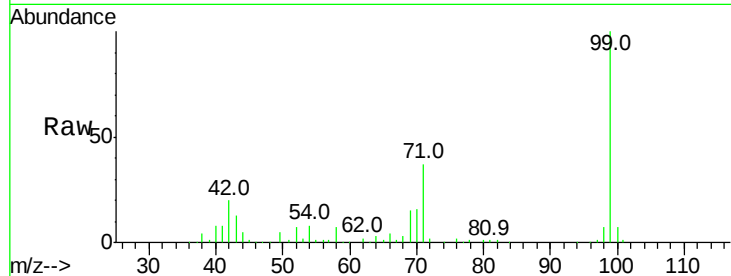
Tot Ion: 99 Resp: 137069

Ion Ratio Lower Upper

99 100

42 19.6 14.1 21.1

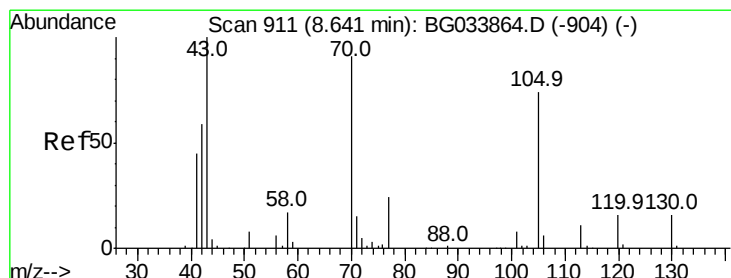
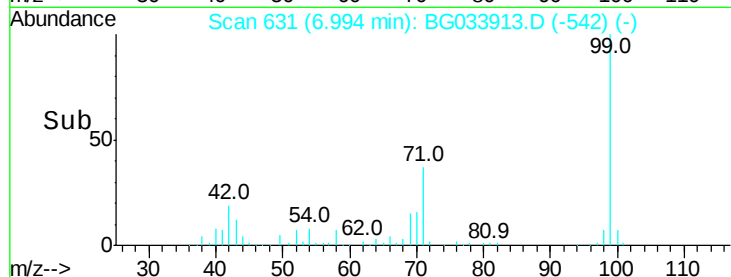
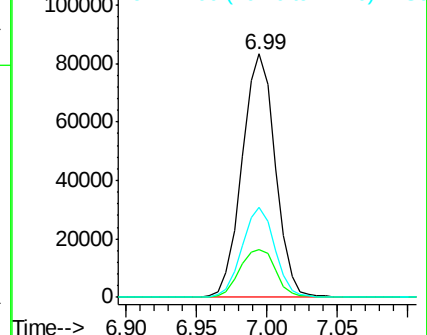
71 37.2 26.1 39.1



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: 13.440 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

Tgt Ion: 70 Resp: 62420

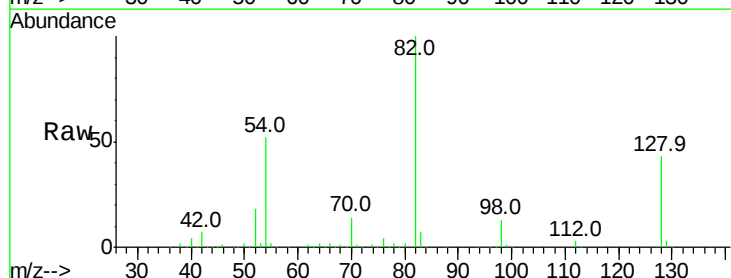
Ion Ratio Lower Upper

70 100

42 47.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

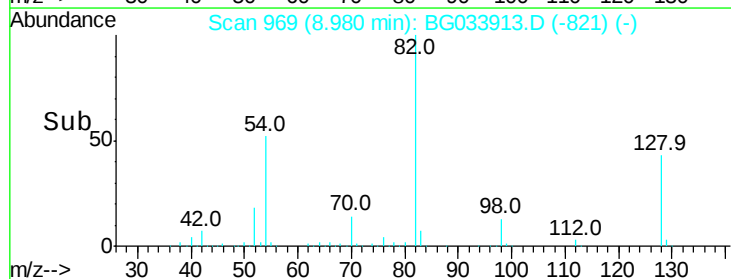
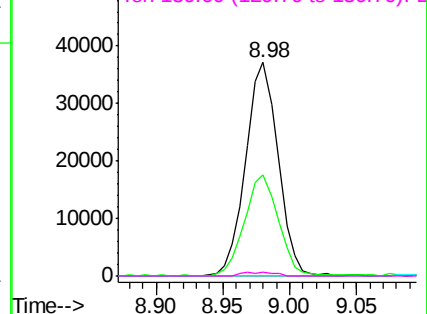


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

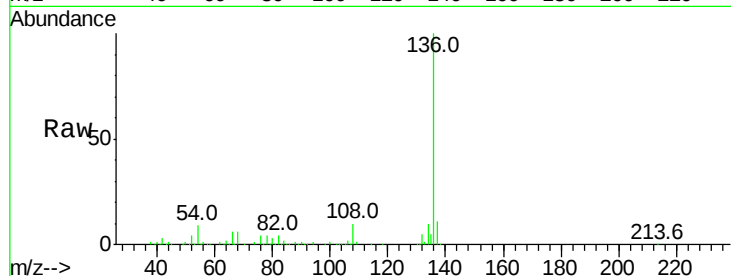




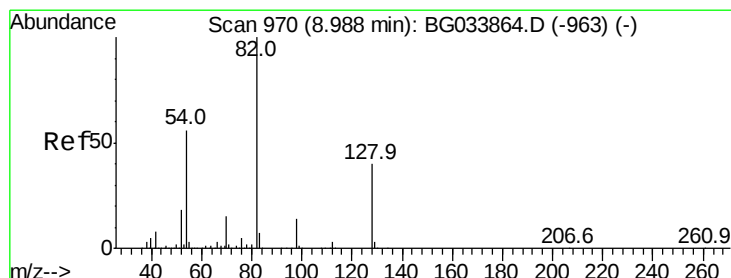
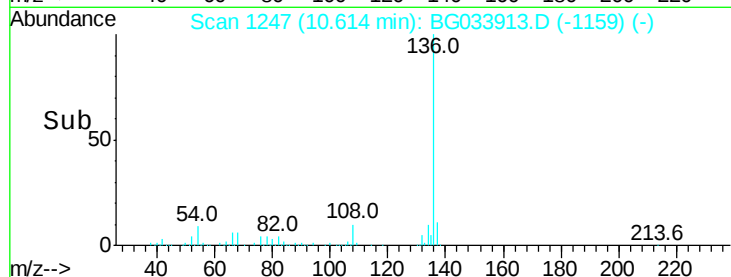
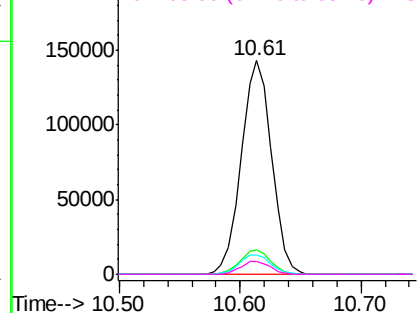
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

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

Tot Ion:136	Resp:	249684
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	8.7	10.3 15.5#
68	5.7	4.5 6.7

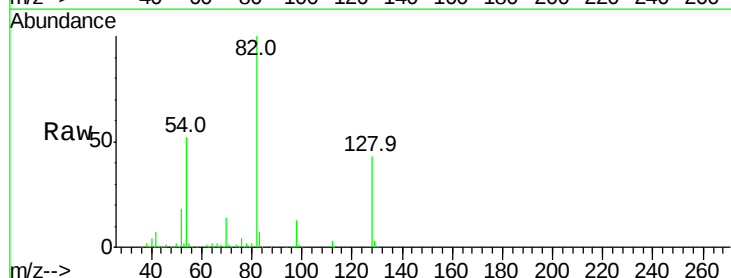


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

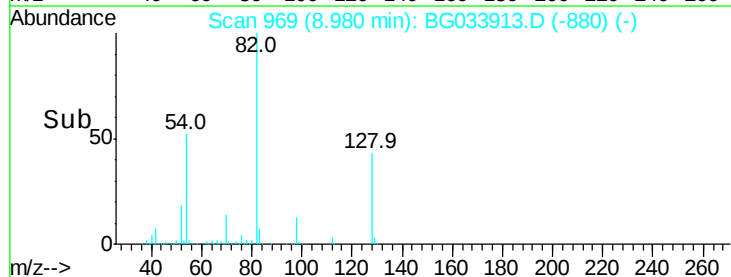
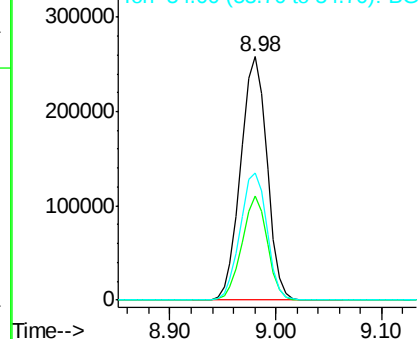


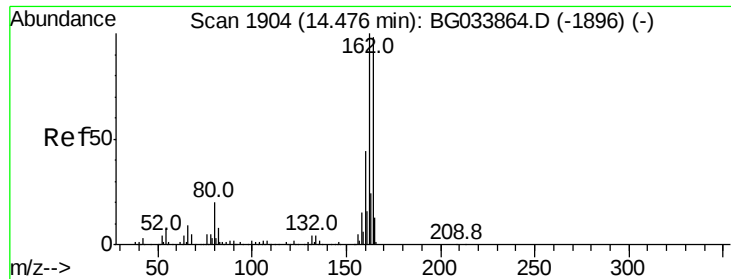
#23
Nitrobenzene-d5
Concen: 101.359 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

Tgt Ion: 82	Resp:	444699
Ion Ratio	Lower	Upper
82	100	
128	42.8	29.7 44.5
54	52.4	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-S

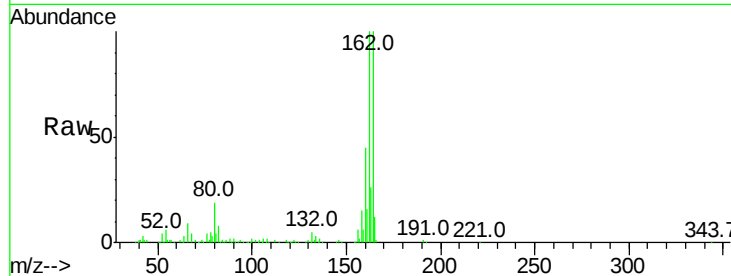
Tot Ion:164 Resp: 160882

Ion Ratio Lower Upper

164 100

162 100.4 78.8 118.2

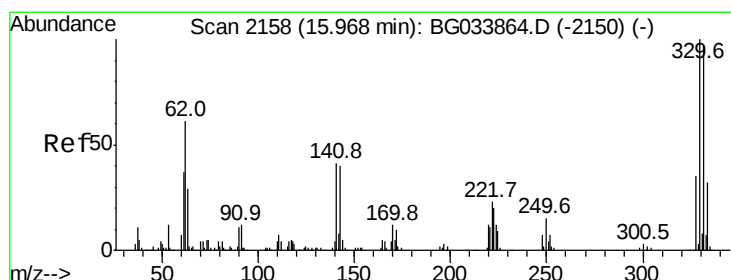
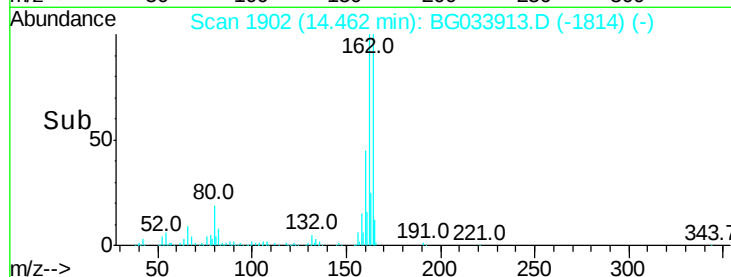
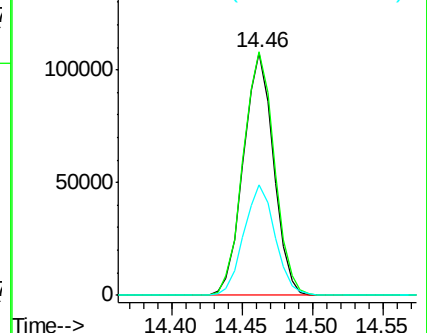
160 45.5 35.4 53.0



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: 110.859 ng

RT: 15.95 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

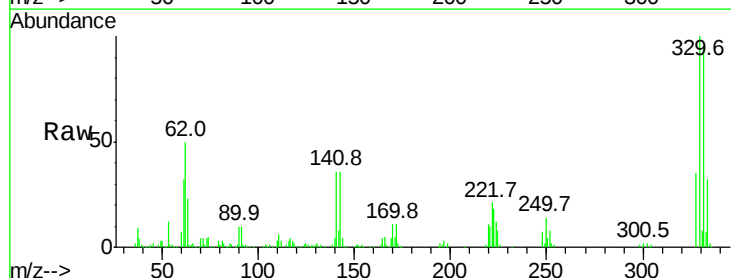
Tgt Ion:330 Resp: 208076

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

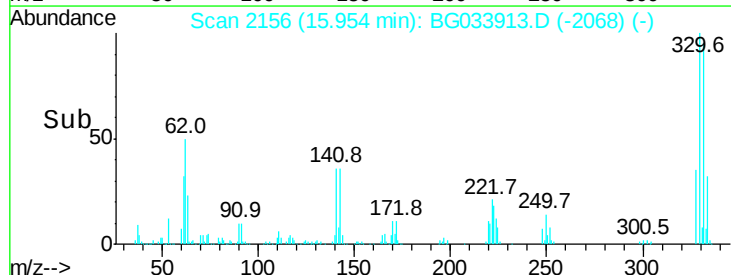
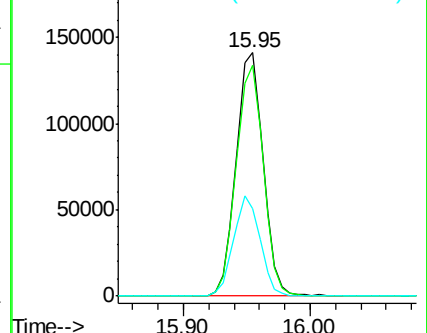
141 40.2 25.2 37.8#

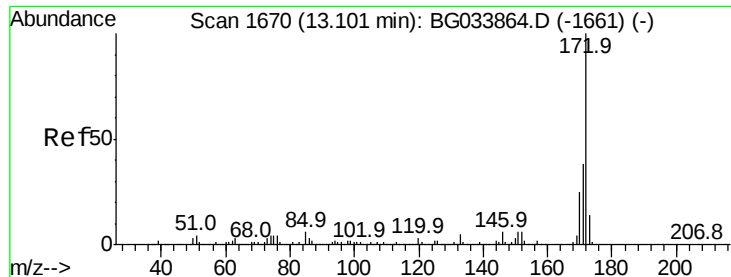


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

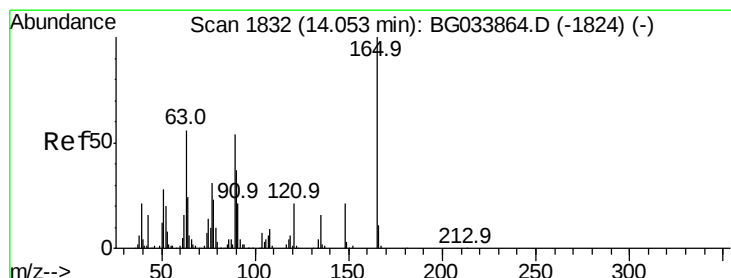
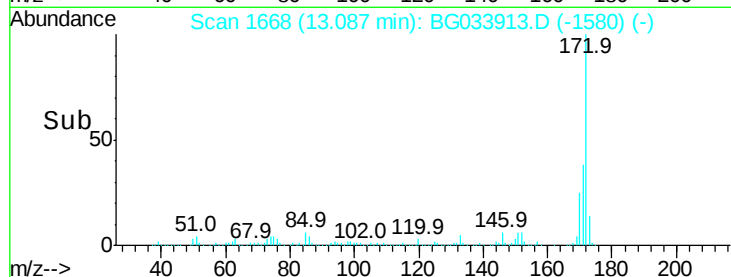
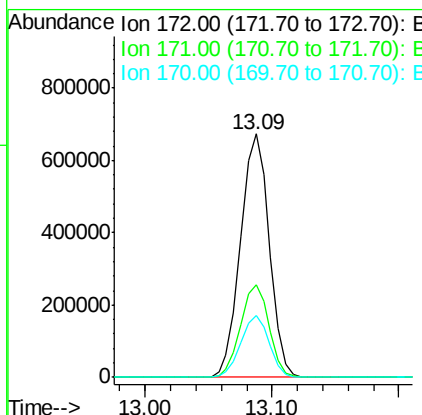
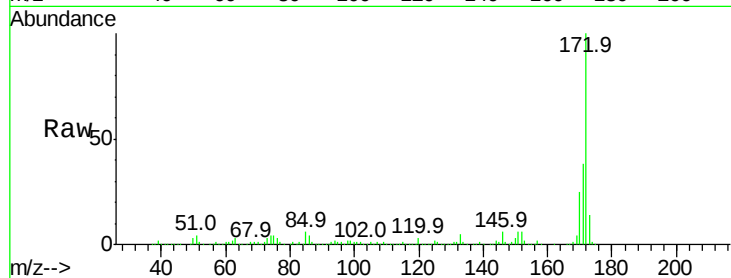




#44
2-Fluorobiphenyl
Concen: 96.364 ng
RT: 13.09 min Scan# 1668
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

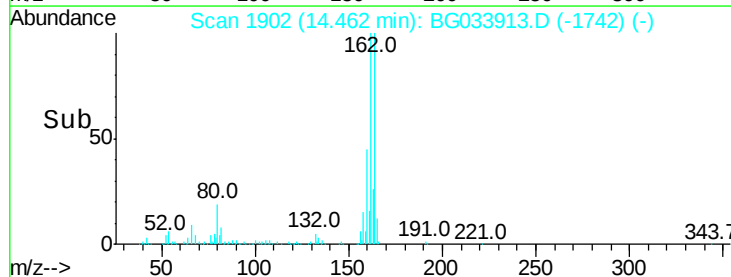
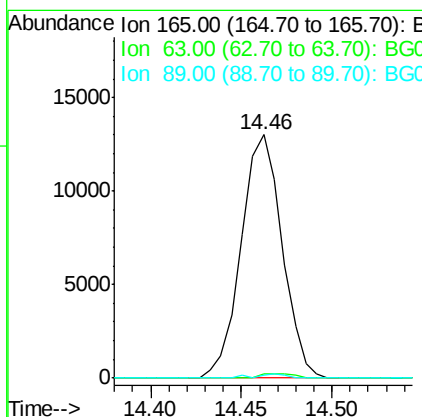
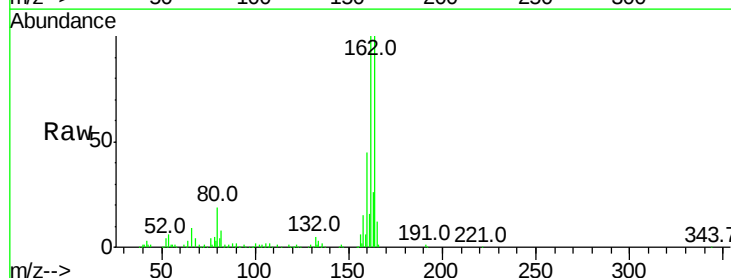
Instrument :
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041818-SIDW-F-U-S

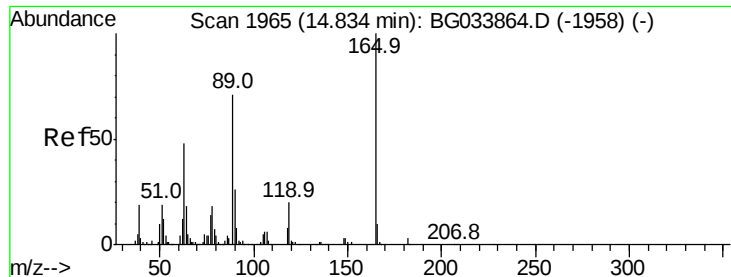
Tot Ion:172 Resp: 1055347
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 25.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.630 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

Tgt Ion:165 Resp: 20462
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 1.4 49.2 73.8#

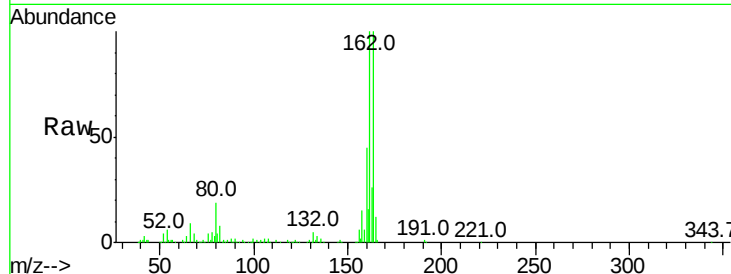




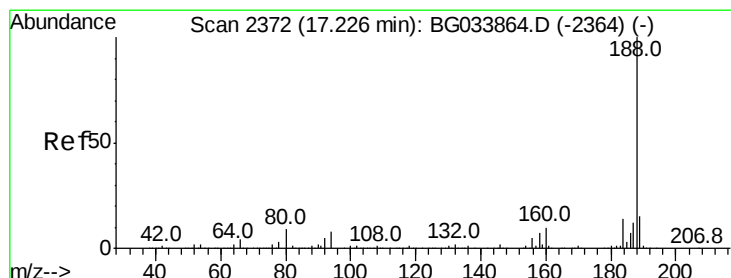
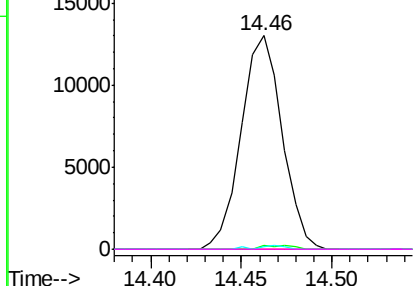
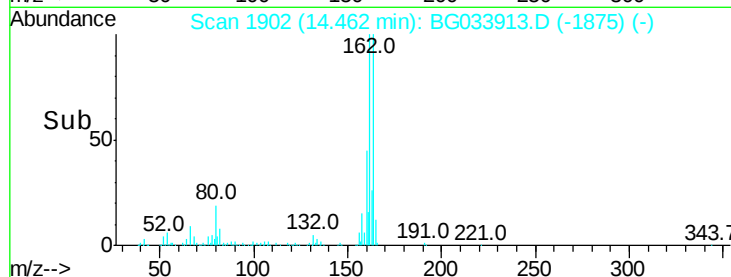
#56
2,4-Dinitrotoluene
Concen: 5.737 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

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

Tot Ion:165 Resp: 20462
Ion Ratio Lower Upper
165 100
63 1.7 42.0 63.0#
89 1.4 66.9 100.3#
182 0.0 2.6 3.8#

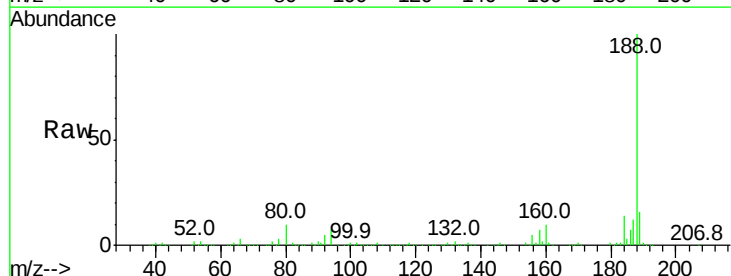


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

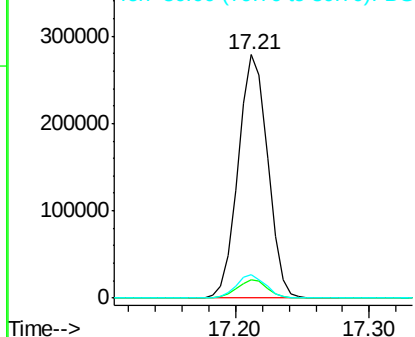
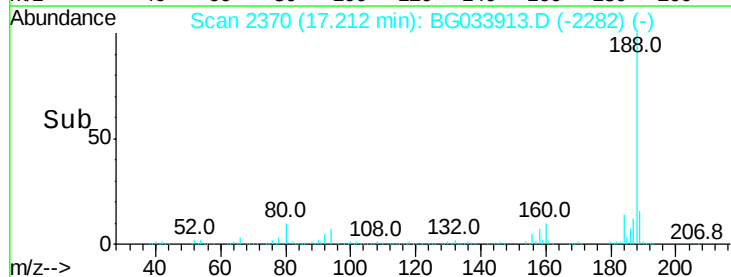


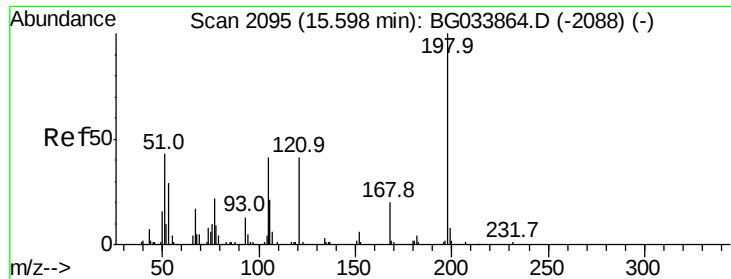
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.21 min Scan# 2370
Delta R.T. -0.01 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

Tgt Ion:188 Resp: 426521
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 9.7 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

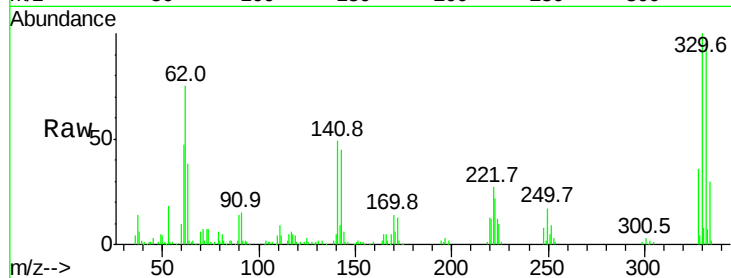




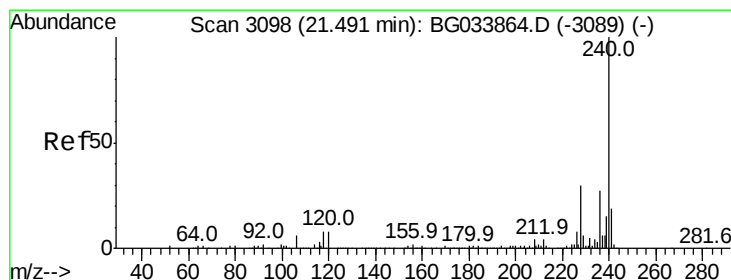
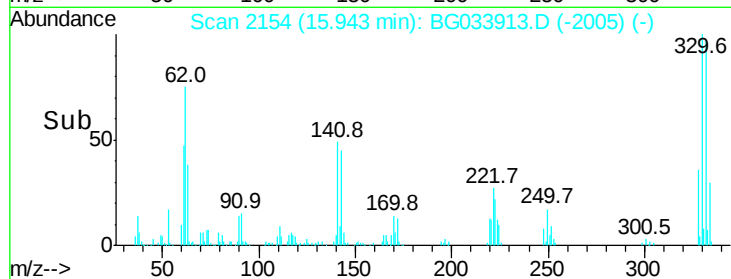
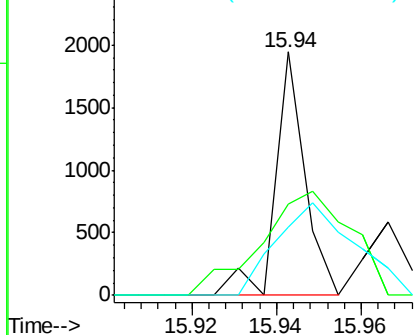
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.887 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. 0.34 min
 Lab File: BG033913.D
 Acq: 21 Apr 2018 9:28

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

Tot Ion:198 Resp: 944
 Ion Ratio Lower Upper
 198 100
 51 37.6 30.6 70.6
 105 28.0 23.8 63.8

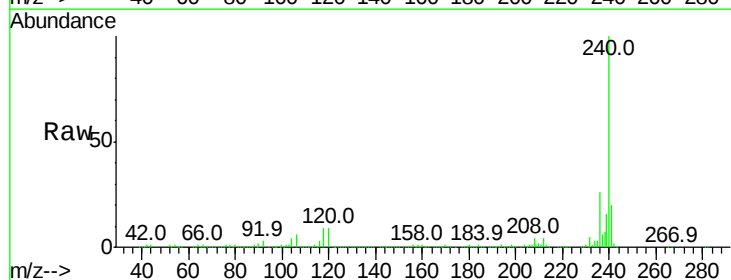


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

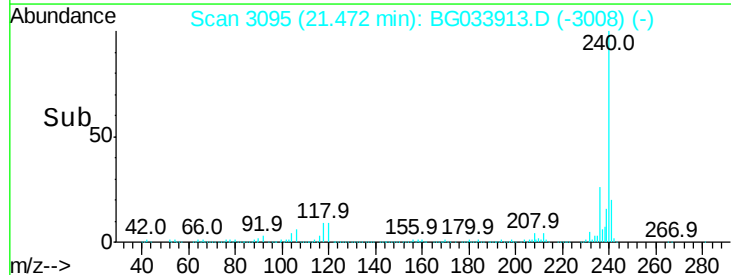
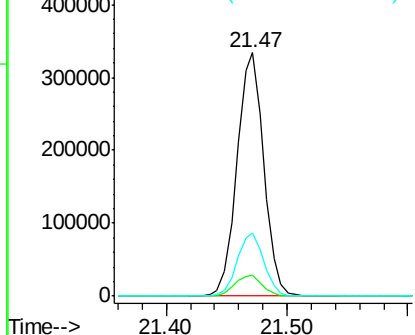


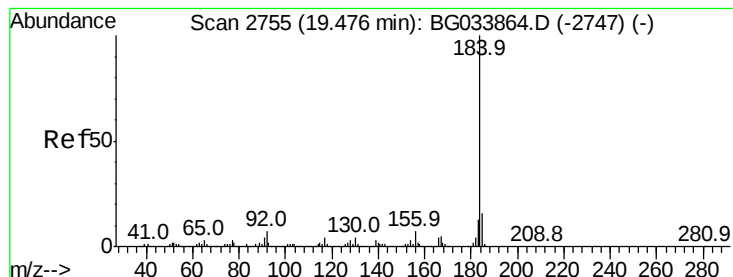
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3095
 Delta R.T. -0.02 min
 Lab File: BG033913.D
 Acq: 21 Apr 2018 9:28

Tgt Ion:240 Resp: 514512
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.8 10.2
 236 26.1 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: 2.510 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

Instrument :

BNA_G

ClientSampleId :

041818-SIDW-F-U-S

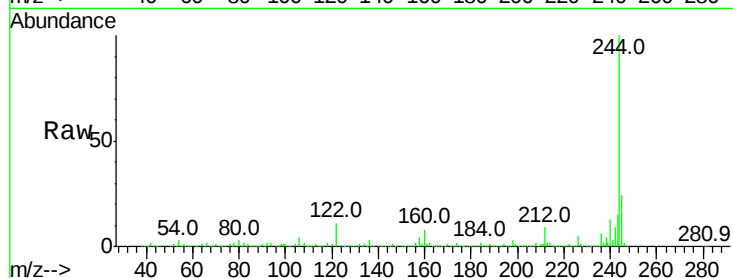
Tot Ion:184 Resp: 34875

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

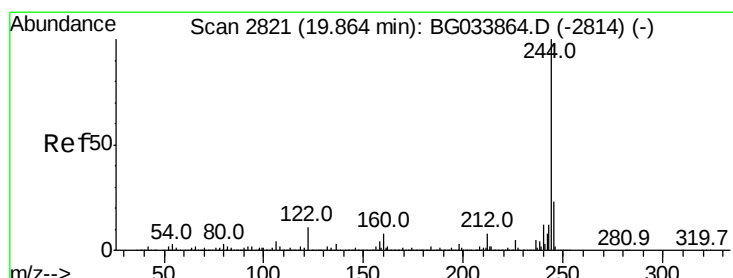
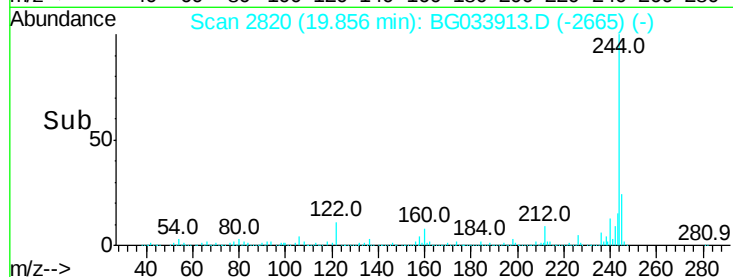
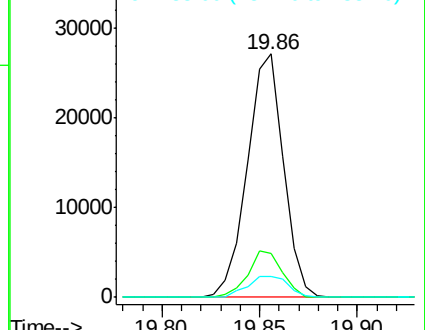
183 8.4 10.6 16.0#



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: 92.526 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033913.D

Acq: 21 Apr 2018 9:28

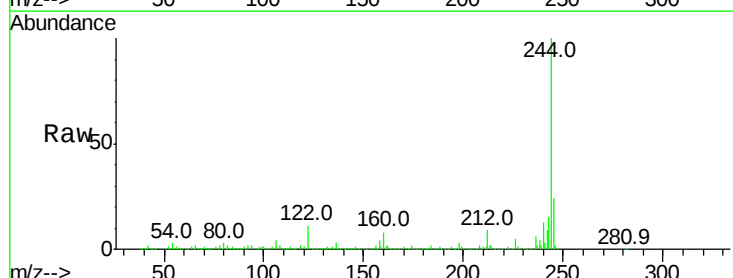
Tgt Ion:244 Resp: 2119000

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

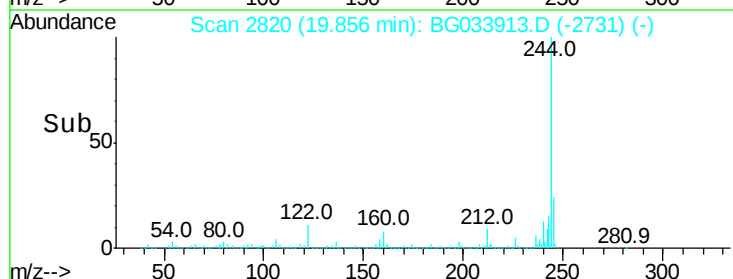
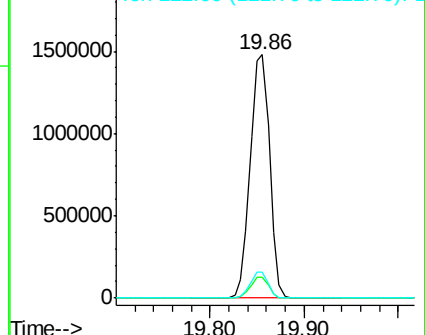
122 10.8 7.0 10.4#

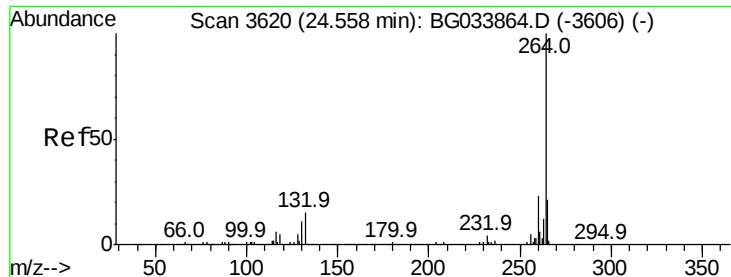


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3615
Delta R.T. -0.03 min
Lab File: BG033913.D
Acq: 21 Apr 2018 9:28

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.6	17.7	26.5

