

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033901.D
 Acq On : 21 Apr 2018 1:57
 Operator : SJ/JU
 Sample : J2473-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Apr 21 05:18:52 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

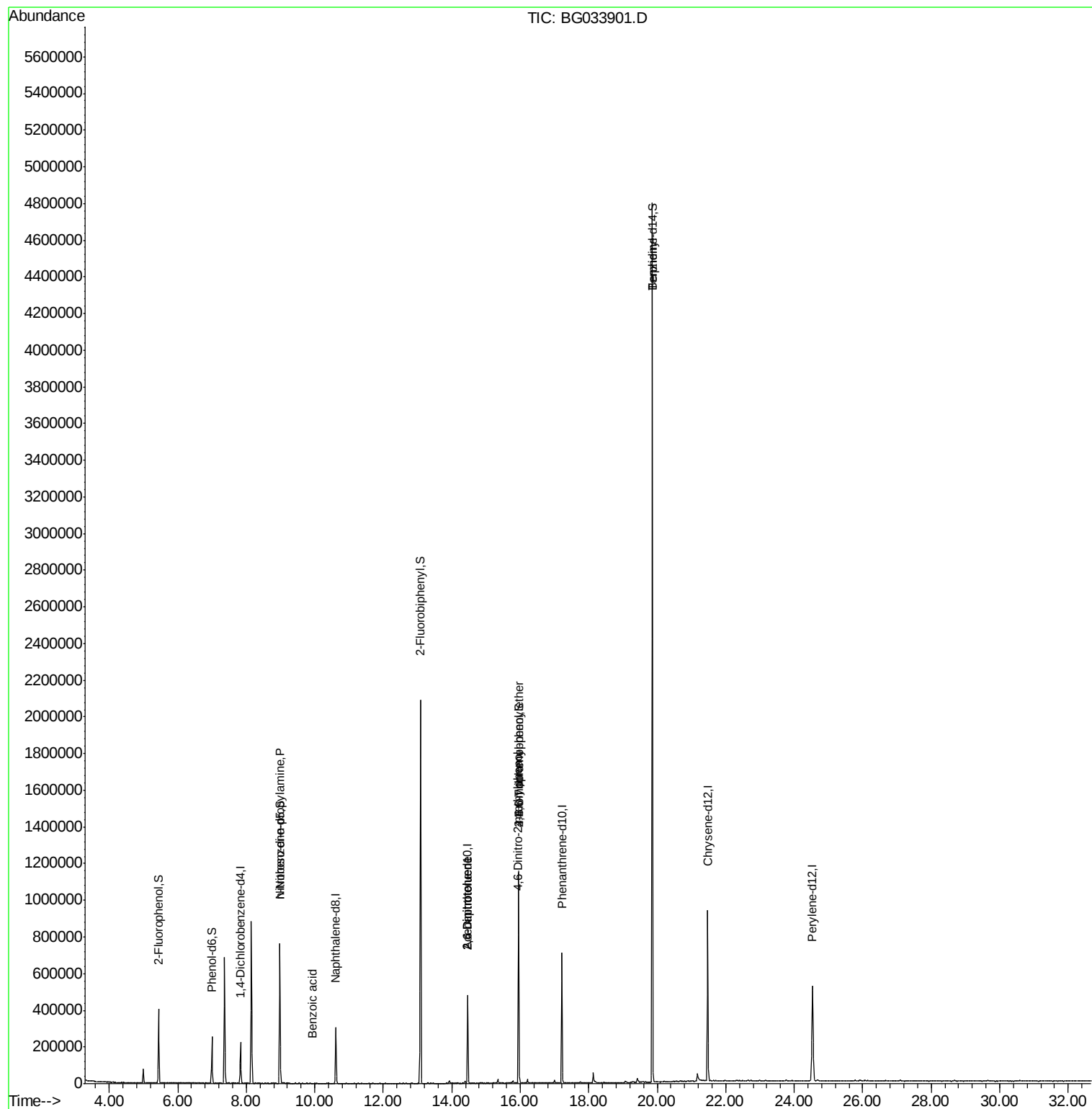
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	59466	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	253391	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	159554	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	434714	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	517610	20.00	ng	-0.02
86) Perylene-d12	24.53	264	523601	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	164312	44.11	ng	0.00
7) Phenol-d6	7.00	99	139025	25.59	ng	0.00
23) Nitrobenzene-d5	8.98	82	444898	99.92	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	205522	110.41	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1076301	99.10	ng	-0.01
78) Terphenyl-d14	19.86	244	2155739	93.57	ng	0.00
Target Compounds						
9) Benzaldehyde	6.97	77	92	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	60811	13.132 ng	#	5
32) Benzoic acid	9.93	122	53	5.097 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	21919	8.241 ng	#	22
56) 2,4-Dinitrotoluene	14.46	165	21919	6.197 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	482	6.688 ng		86
66) 4-Bromophenyl-phenylether	15.95	248	12226	2.561 ng	#	1
76) Benzidine	19.86	184	36118	2.584 ng	#	94

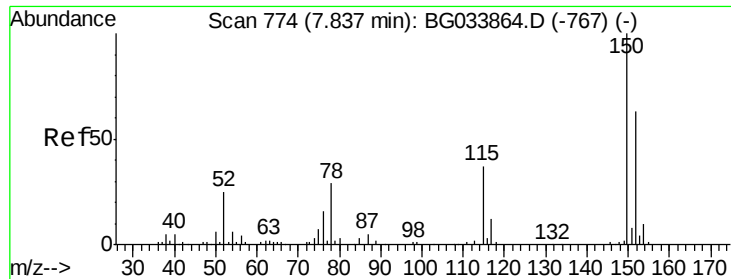
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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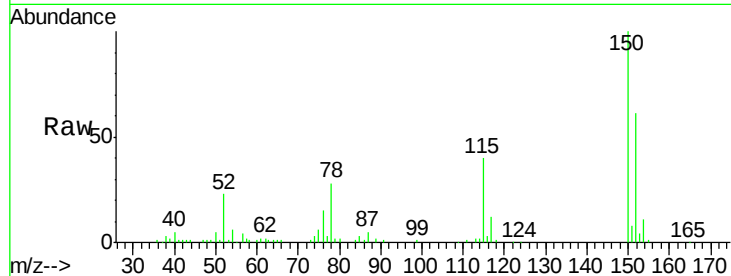


#1

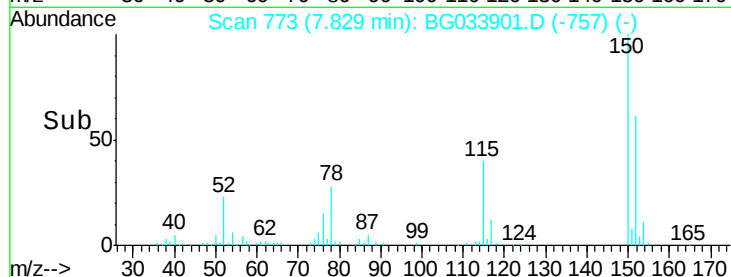
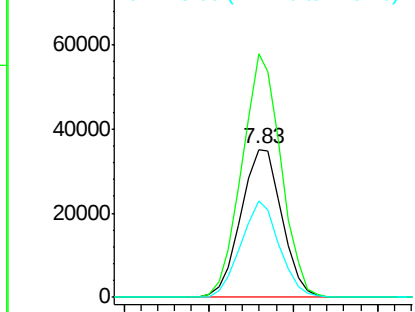
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	126.6	189.8
115	65.0	53.0	79.4



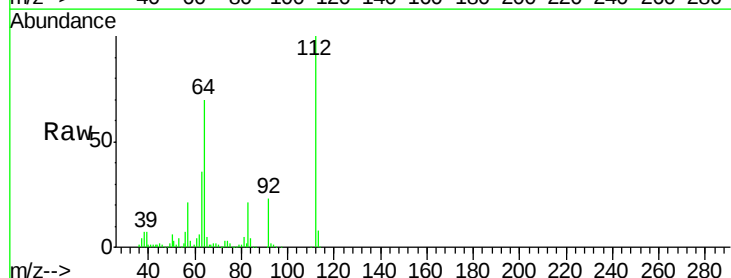
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



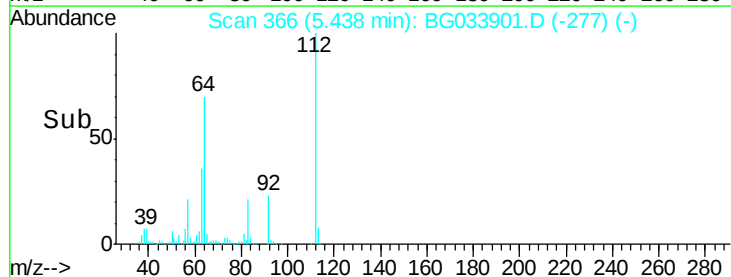
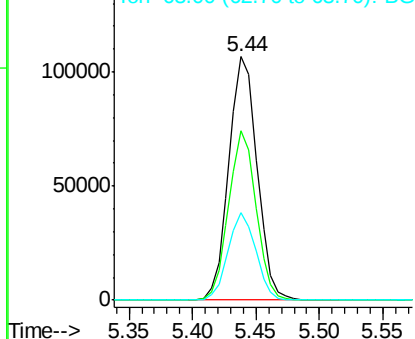
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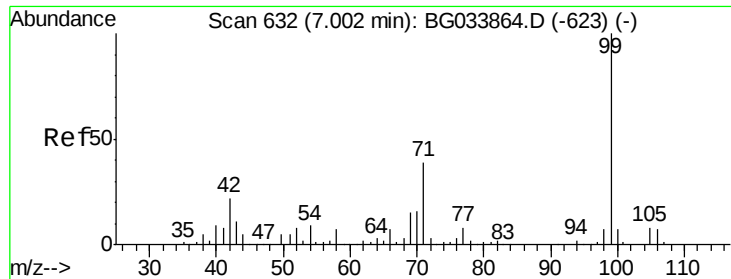
2-Fluorophenol
Concen: 44.114 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	56.3	84.5
63	35.7	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 25.590 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-U-S

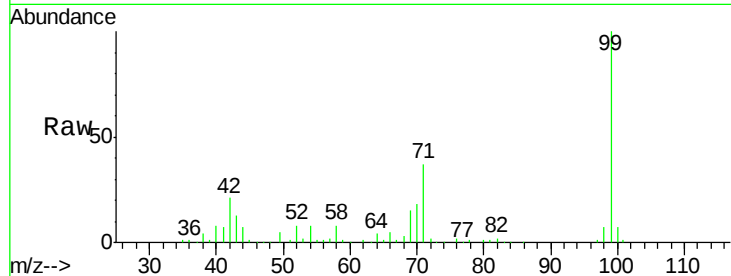
Tot Ion: 99 Resp: 139025

Ion Ratio Lower Upper

99 100

42 20.7 14.1 21.1

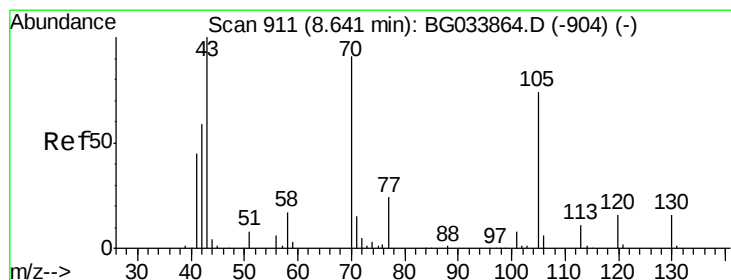
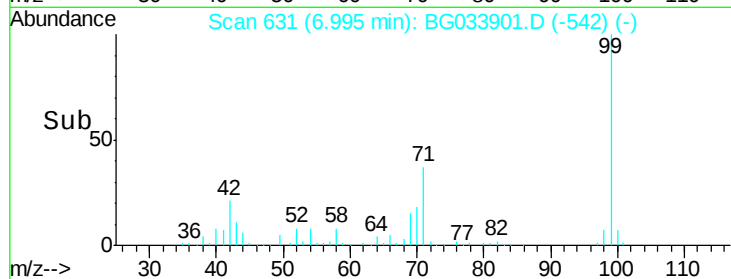
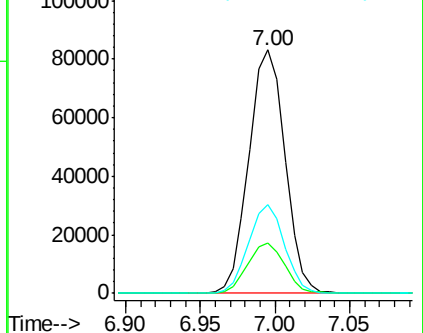
71 36.7 26.1 39.1



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: 13.132 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

Tgt Ion: 70 Resp: 60811

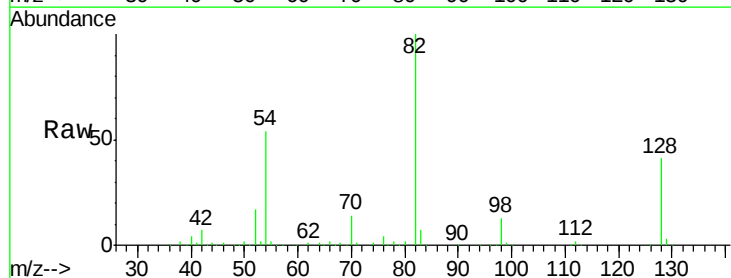
Ion Ratio Lower Upper

70 100

42 49.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

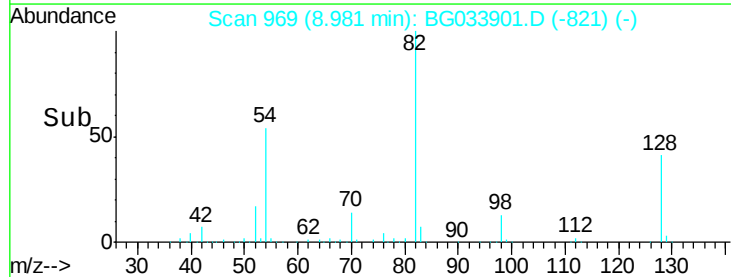
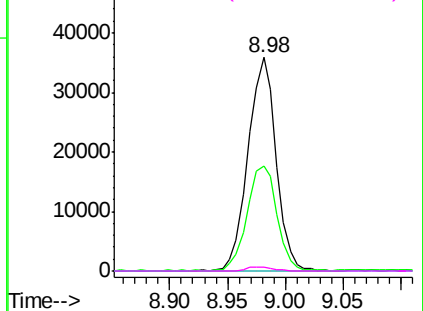


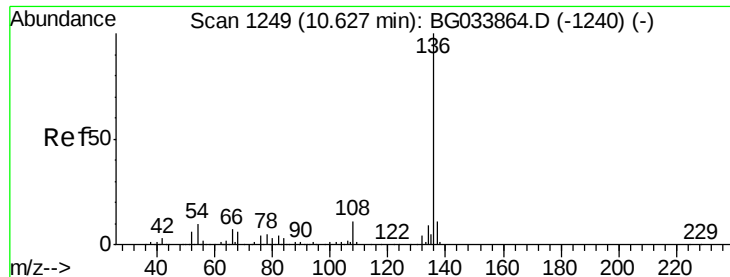
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

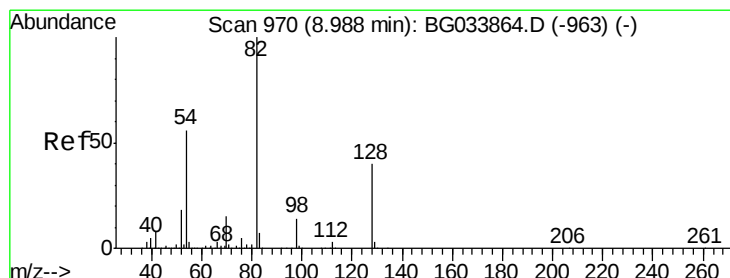
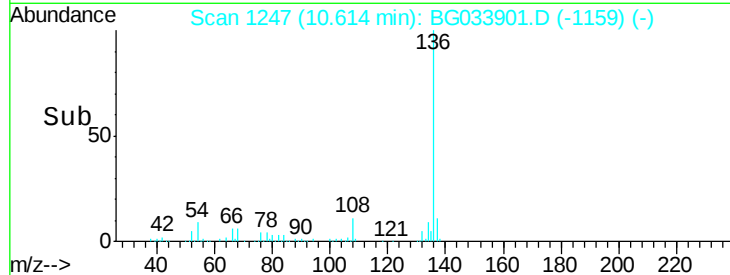
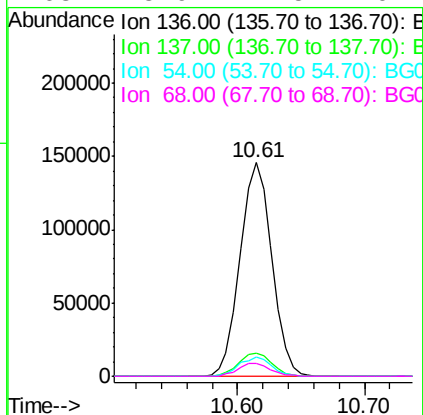
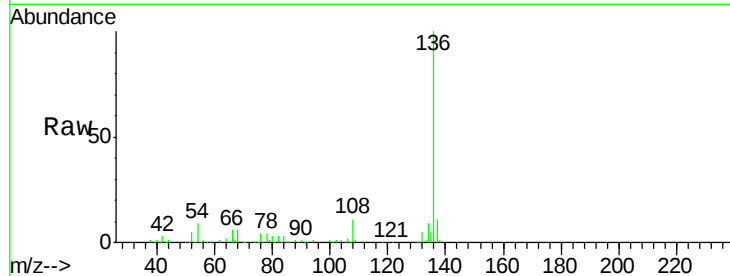




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

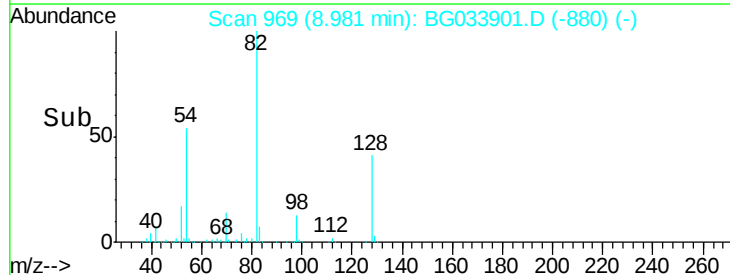
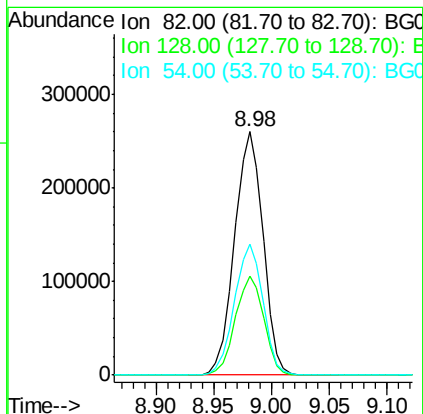
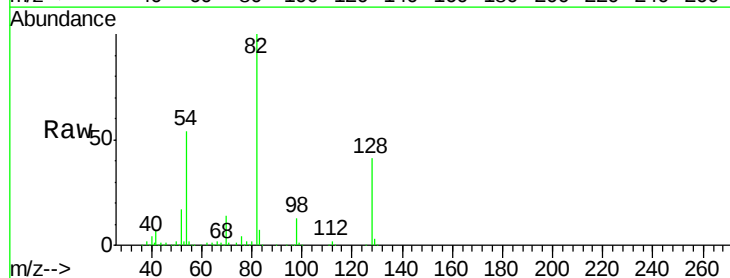
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041818-DBRI-F-U-S

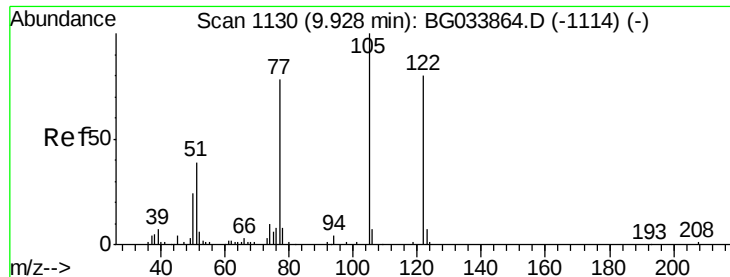
Tot Ion:136	Resp:	253391
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	8.9	10.3 15.5#
68	5.9	4.5 6.7



#23
Nitrobenzene-d5
Concen: 99.921 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

Tgt Ion: 82	Resp:	444898
Ion Ratio	Lower	Upper
82	100	
128	40.6	29.7 44.5
54	54.1	43.1 64.7

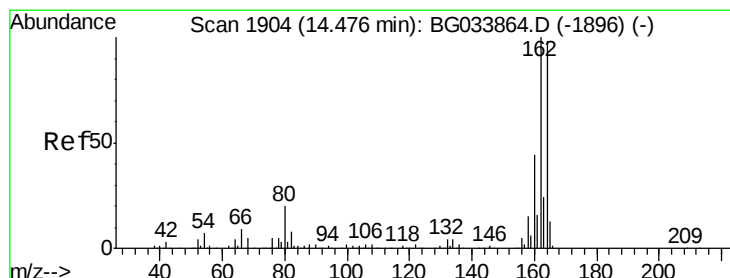
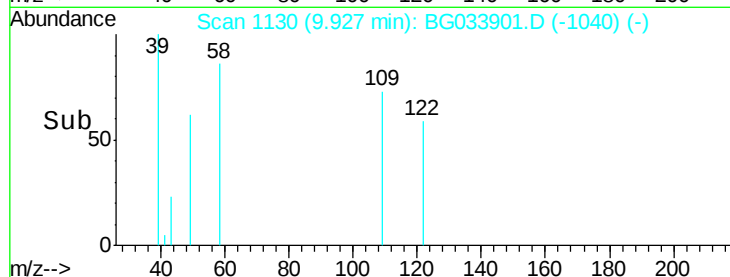
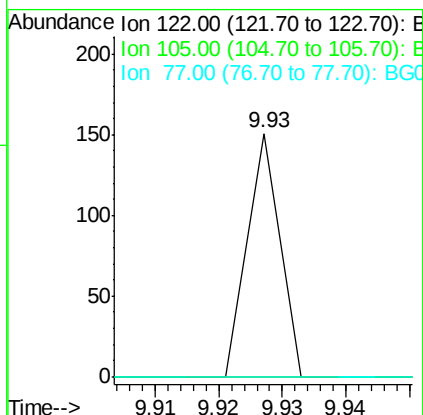
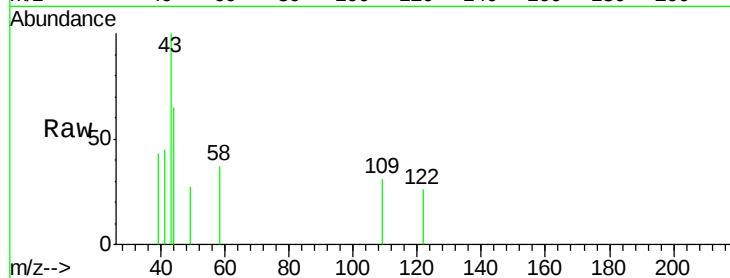




#32
Benzoic acid
Concen: 5.097 ng
RT: 9.93 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

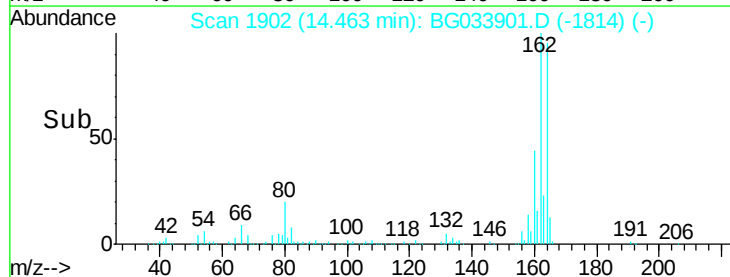
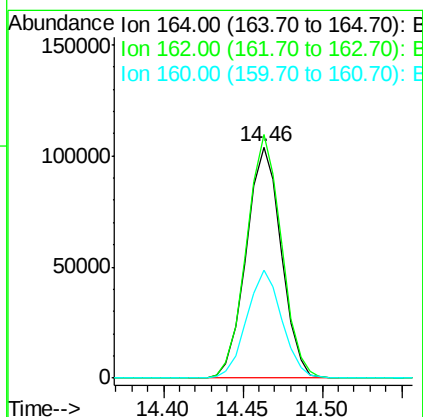
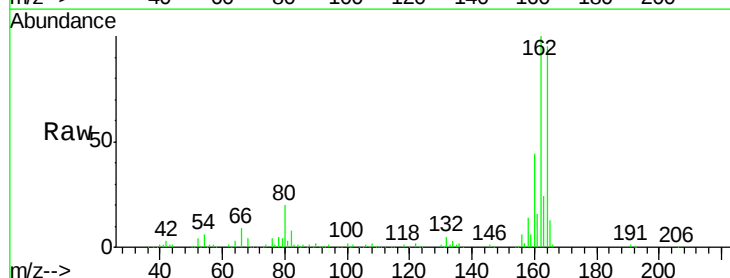
Instrument :
BNA_G
ClientSampleId :
041818-DBRI-F-U-S

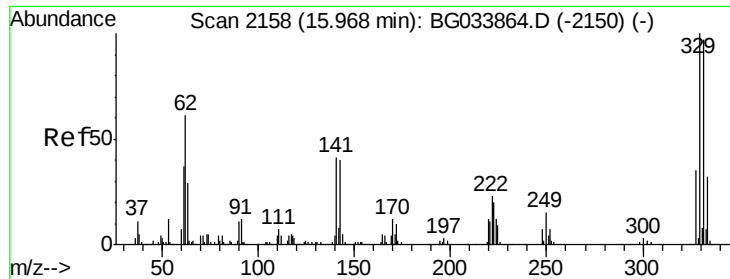
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	78.8	118.2
160	46.7	35.4	53.0

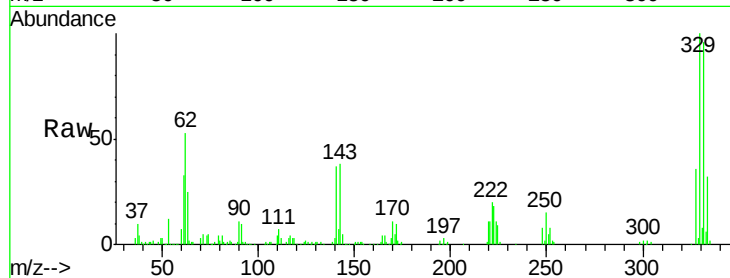




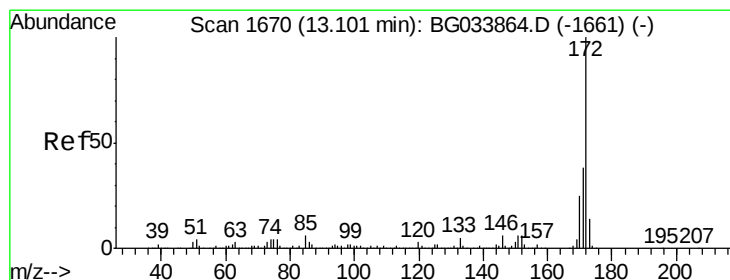
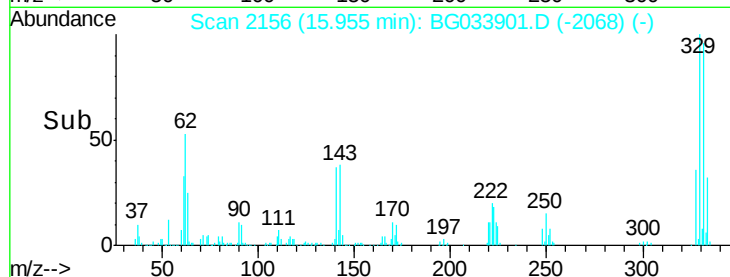
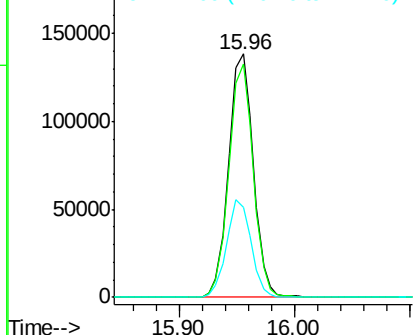
#41
 2,4,6-Tribromophenol
 Concen: 110.409 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033901.D
 Acq: 21 Apr 2018 1:57

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

Tot Ion:330 Resp: 205522
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 39.6 25.2 37.8#

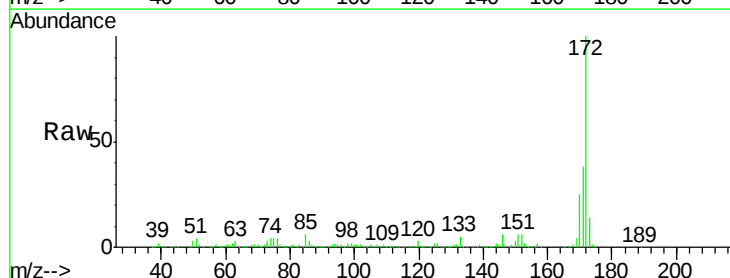


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

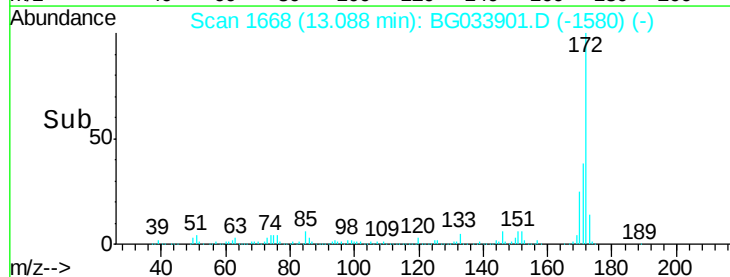
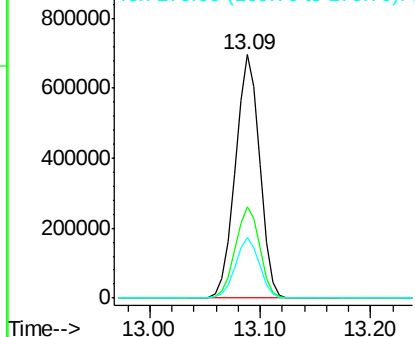


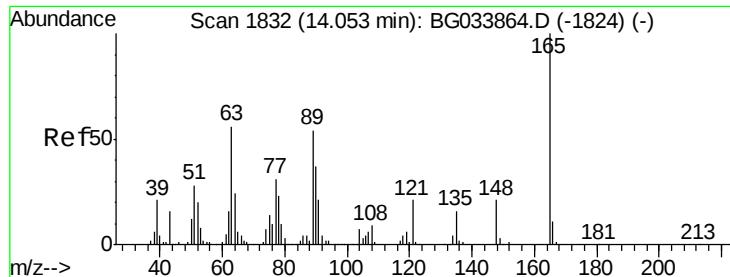
#44
 2-Fluorobiphenyl
 Concen: 99.096 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033901.D
 Acq: 21 Apr 2018 1:57

Tgt Ion:172 Resp: 1076301
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 25.0 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

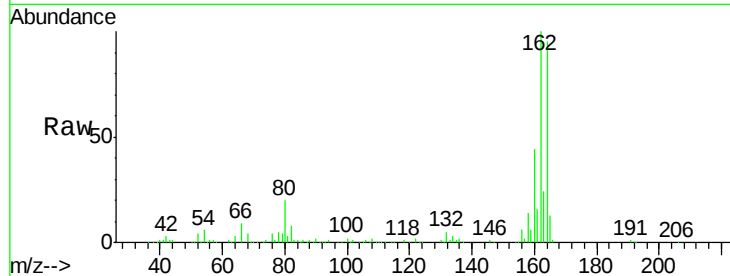




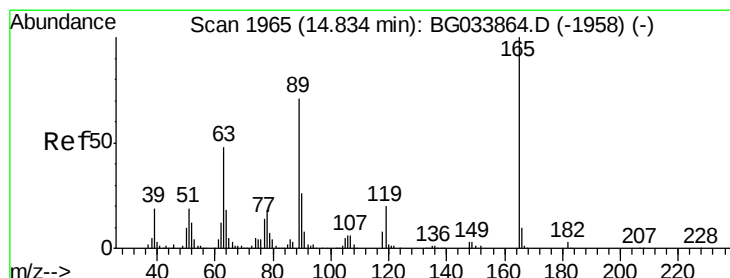
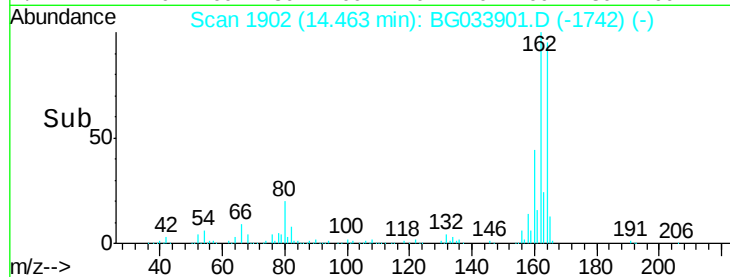
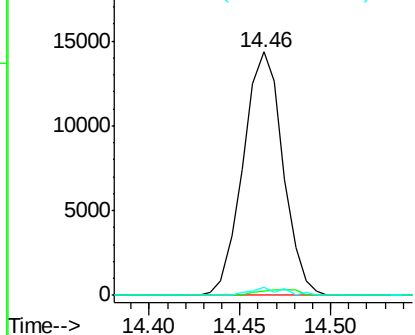
#50
2,6-Dinitrotoluene
Concen: 8.241 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

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

Tot Ion:165 Resp: 21919
Ion Ratio Lower Upper
165 100
63 1.9 52.7 79.1#
89 3.2 49.2 73.8#



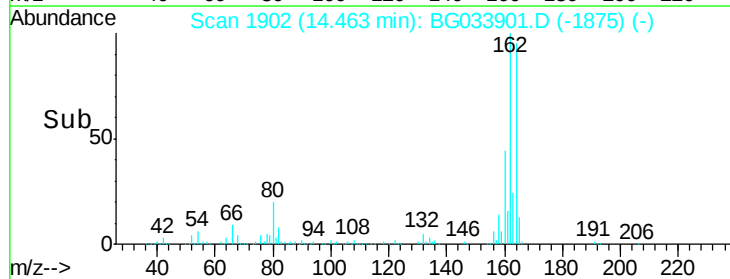
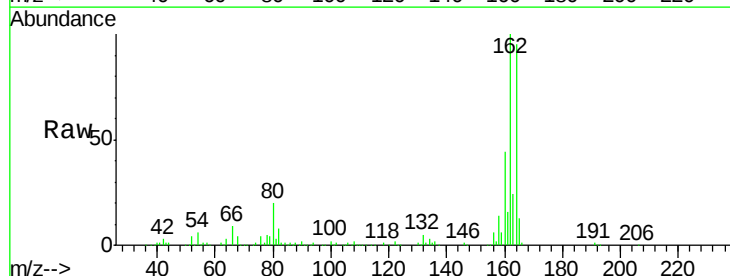
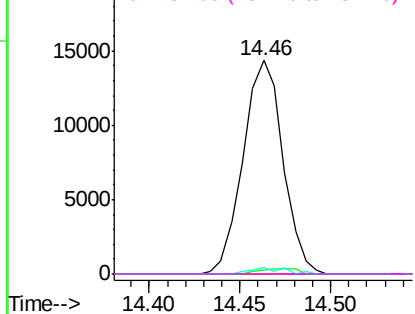
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

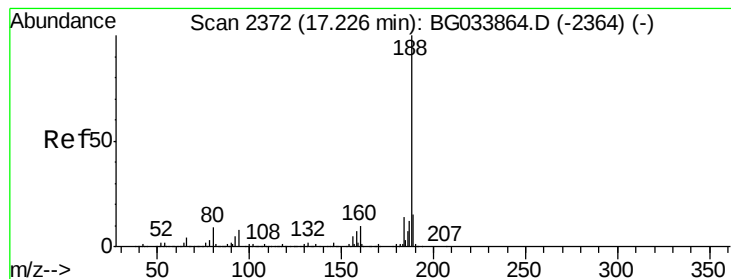


#56
2,4-Dinitrotoluene
Concen: 6.197 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033901.D
Acq: 21 Apr 2018 1:57

Tgt Ion:165 Resp: 21919
Ion Ratio Lower Upper
165 100
63 1.9 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: BG033901.D

Acq: 21 Apr 2018 1:57

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-U-S

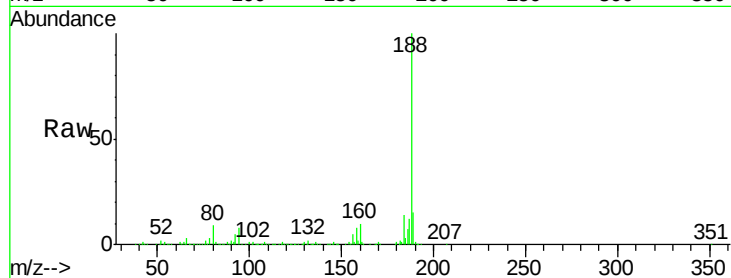
Tot Ion:188 Resp: 434714

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

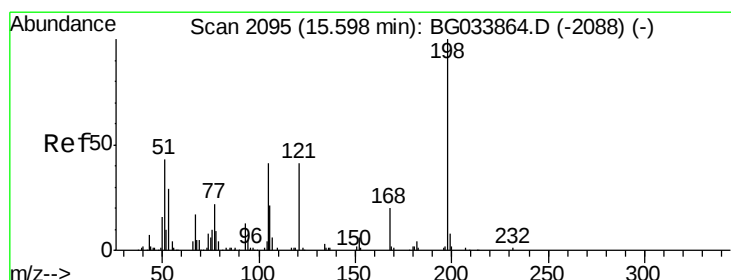
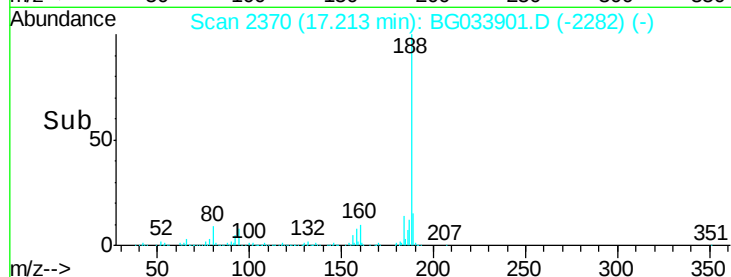
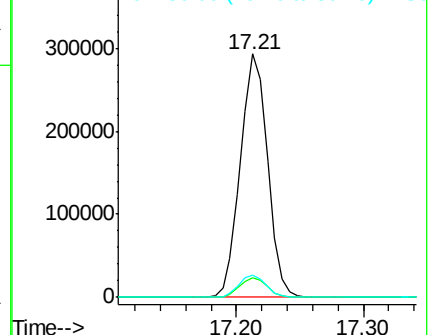
80 9.3 7.7 11.5



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: 6.688 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

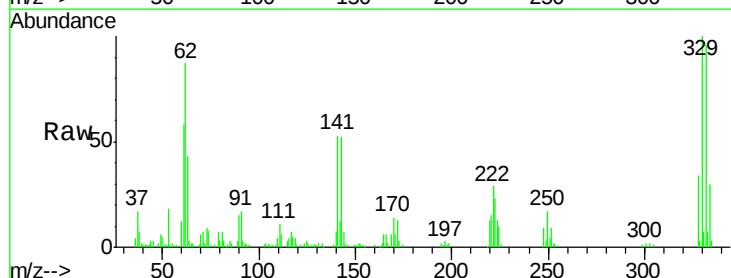
Tgt Ion:198 Resp: 482

Ion Ratio Lower Upper

198 100

51 54.1 30.6 70.6

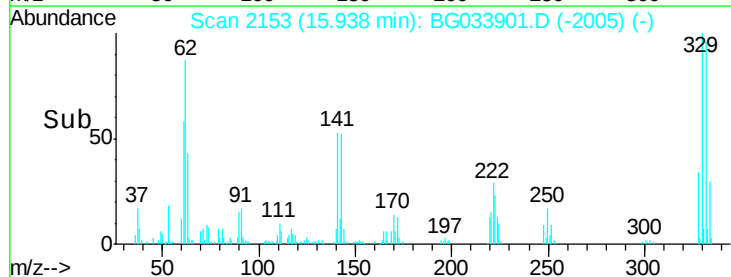
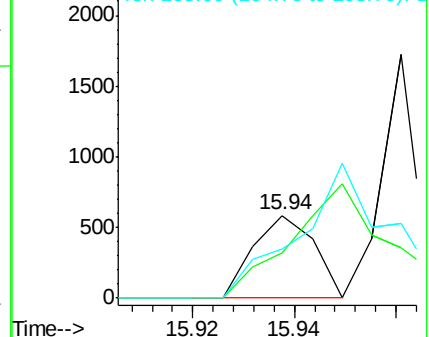
105 59.4 23.8 63.8

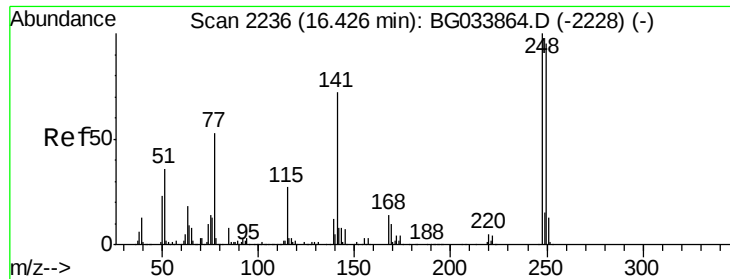


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

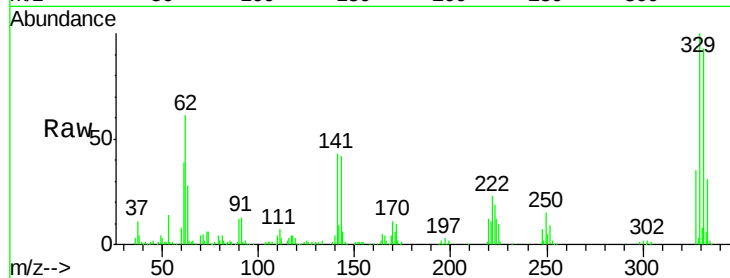




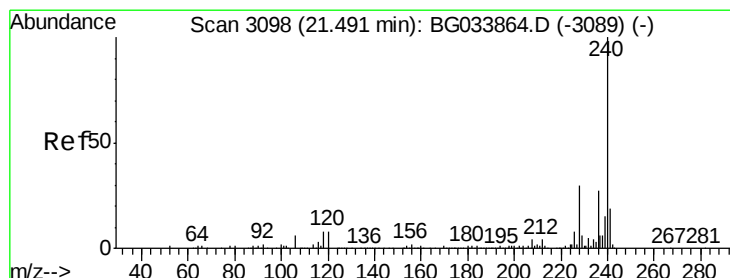
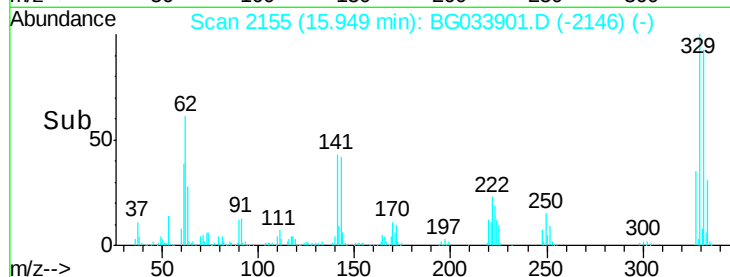
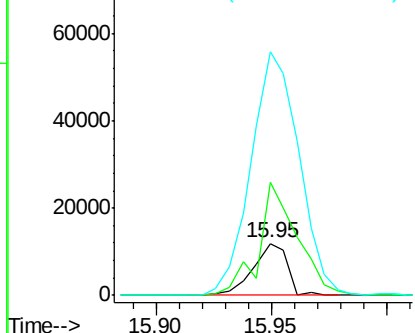
#66
 4-Bromophenyl-phenylether
 Concen: 2.561 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033901.D
 Acq: 21 Apr 2018 1:57

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

Tot Ion:248 Resp: 12226
 Ion Ratio Lower Upper
 248 100
 250 218.7 77.1 115.7#
 141 469.5 50.8 76.2#

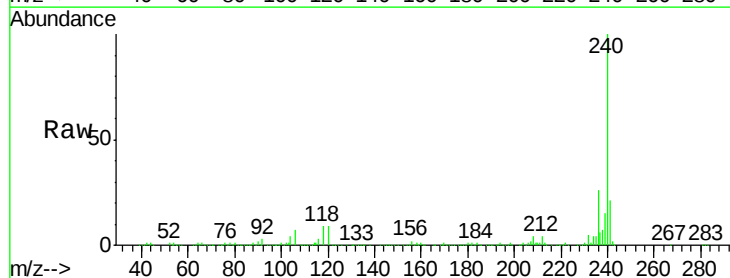


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

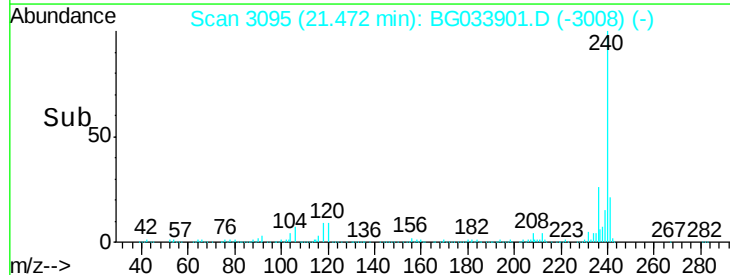
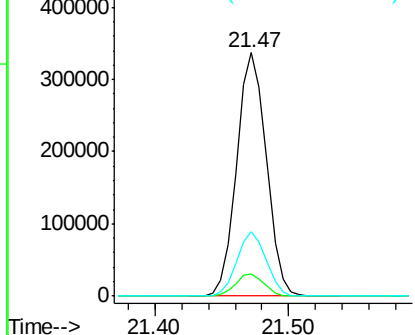


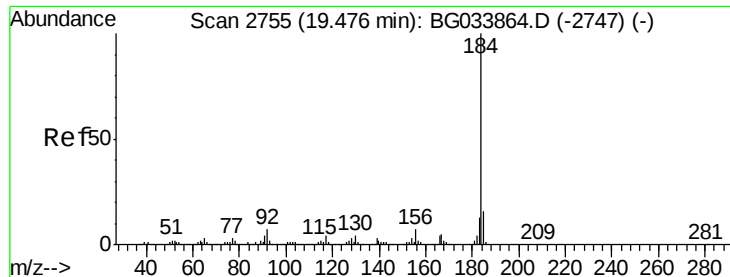
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3095
 Delta R.T. -0.02 min
 Lab File: BG033901.D
 Acq: 21 Apr 2018 1:57

Tgt Ion:240 Resp: 517610
 Ion Ratio Lower Upper
 240 100
 120 8.9 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: 2.584 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-U-S

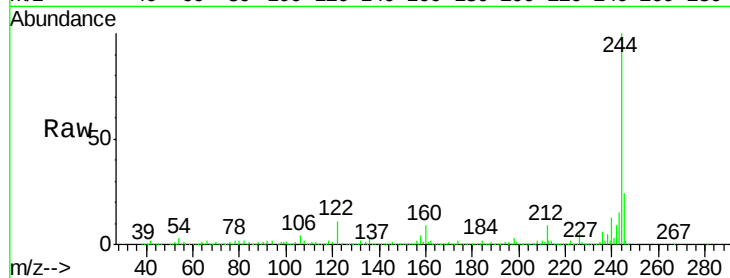
Tot Ion:184 Resp: 36118

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

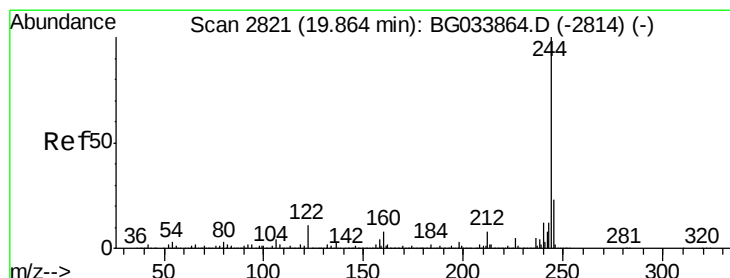
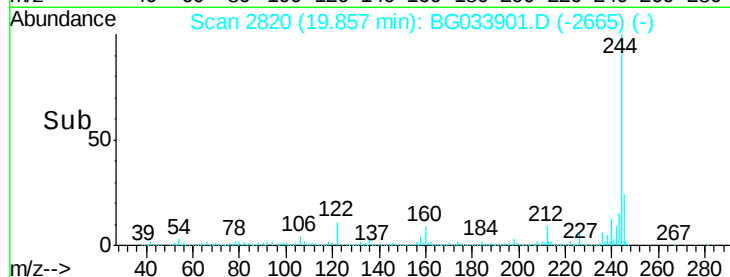
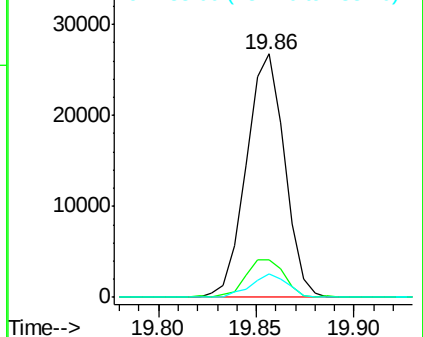
183 9.8 10.6 16.0#



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: 93.567 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

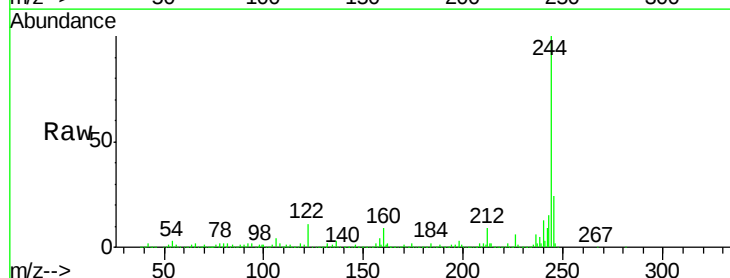
Tgt Ion:244 Resp: 2155739

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

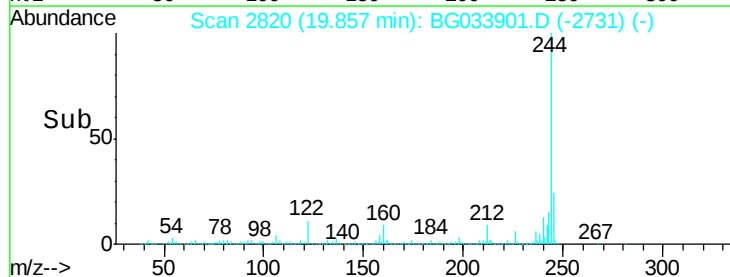
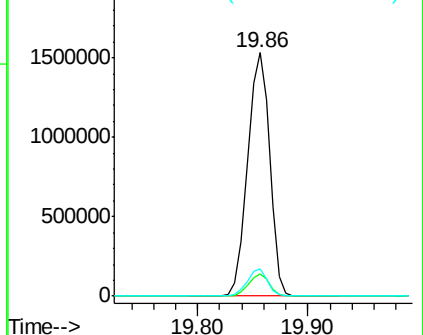
122 11.1 7.0 10.4#

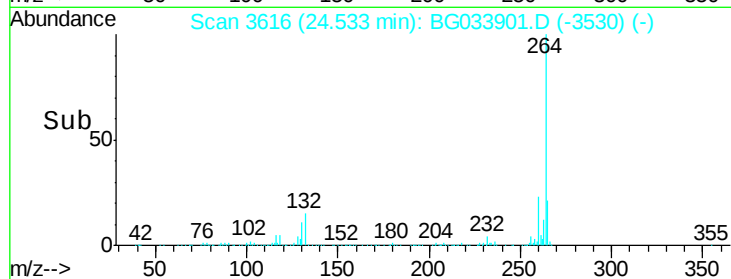
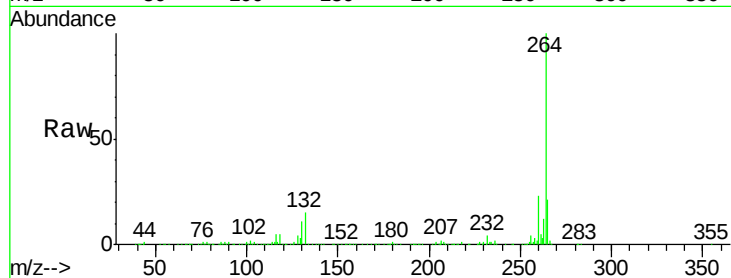
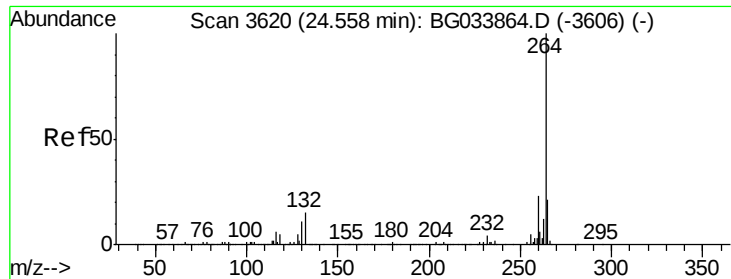


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.02 min

Lab File: BG033901.D

Acq: 21 Apr 2018 1:57

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-U-S

Tot Ion:264 Resp: 523601

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.3 17.7 26.5

