

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\
 Data File : BG033899.D
 Acq On : 21 Apr 2018 00:41
 Operator : SJ/JU
 Sample : J2473-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 21 05:18:10 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

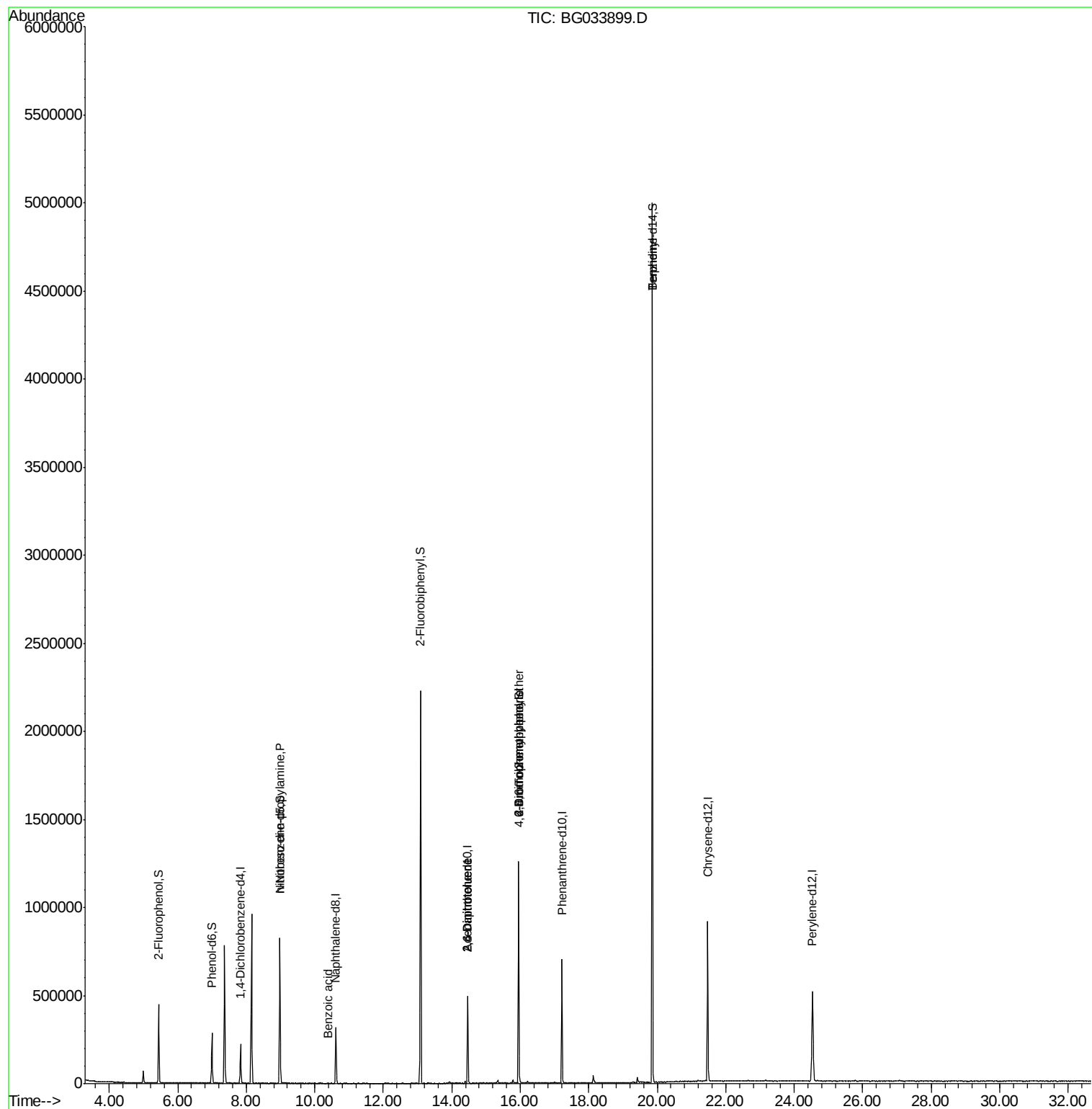
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	60405	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	263004	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	164593	20.00	ng	-0.01
63) Phenanthrene-d10	17.22	188	434227	20.00	ng	0.00
75) Chrysene-d12	21.47	240	524944	20.00	ng	-0.02
86) Perylene-d12	24.53	264	521301	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	190314	50.30	ng	0.00
7) Phenol-d6	6.99	99	155264	28.14	ng	0.00
23) Nitrobenzene-d5	8.98	82	479315	103.72	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	220297	114.72	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1139924	101.74	ng	-0.01
78) Terphenyl-d14	19.86	244	2183921	93.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.97	77	56	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	67476	14.344 ng	#	5
32) Benzoic acid	10.39	122	56	5.097 ng	#	1
50) 2,6-Dinitrotoluene	14.46	165	22028	8.028 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	22028	6.037 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	989	6.898 ng		90
66) 4-Bromophenyl-phenylether	15.95	248	14652	3.073 ng	#	1
76) Benzydine	19.86	184	37010	2.611 ng	#	94

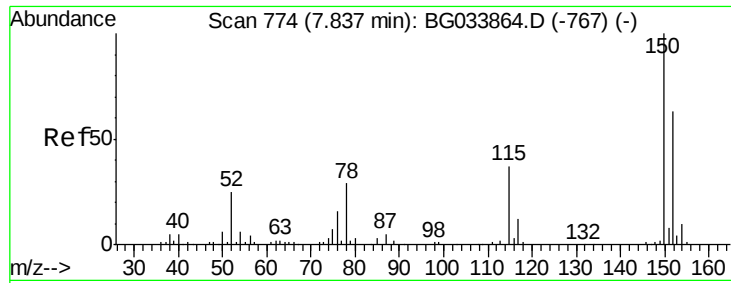
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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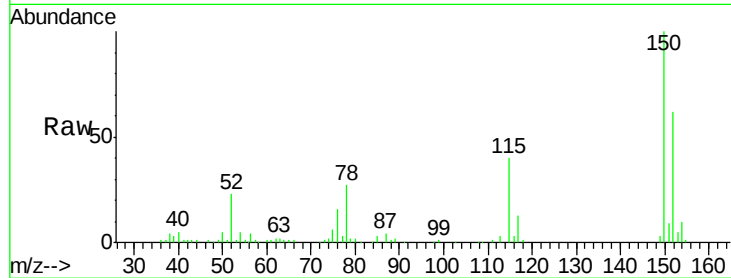


#1

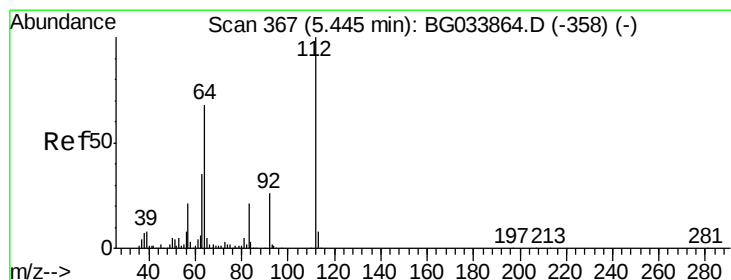
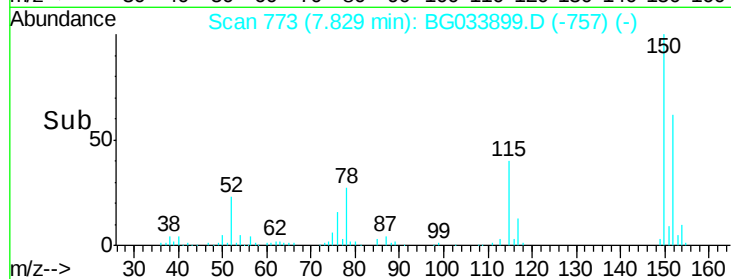
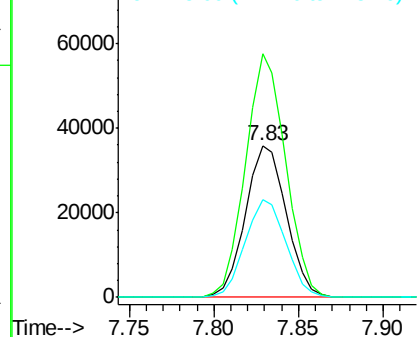
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	189.8
115	64.1	53.0	79.4



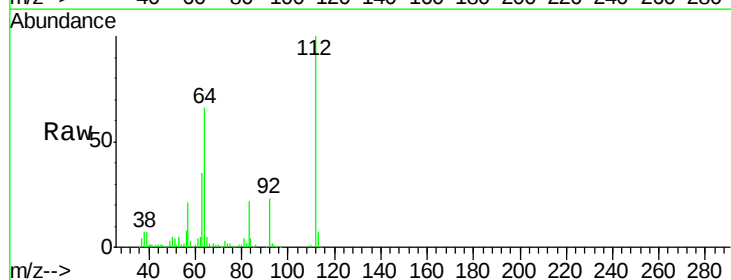
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



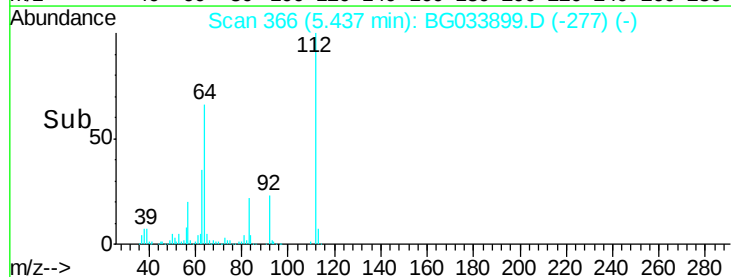
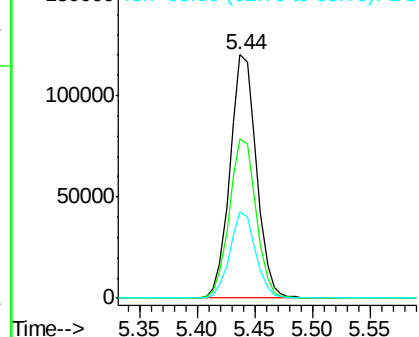
#5

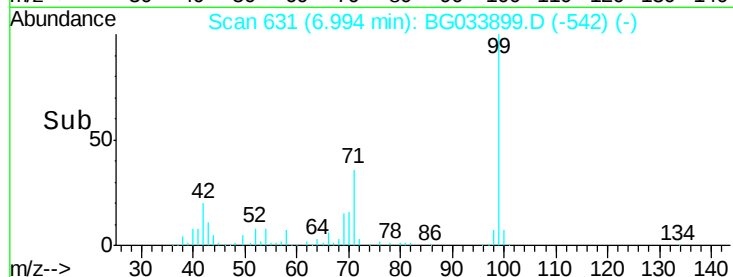
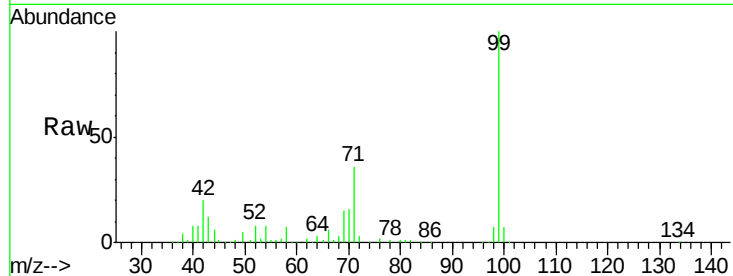
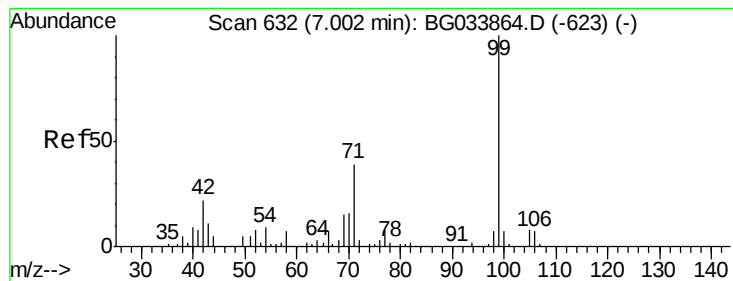
2-Fluorophenol
Concen: 50.301 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	56.3	84.5
63	35.2	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: 28.135 ng

RT: 6.99 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-D-S

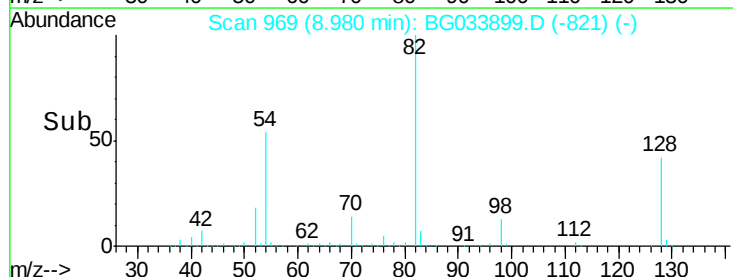
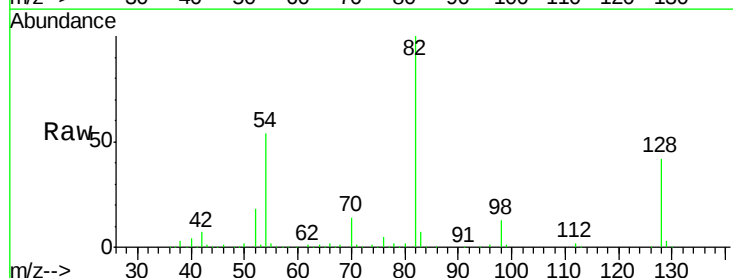
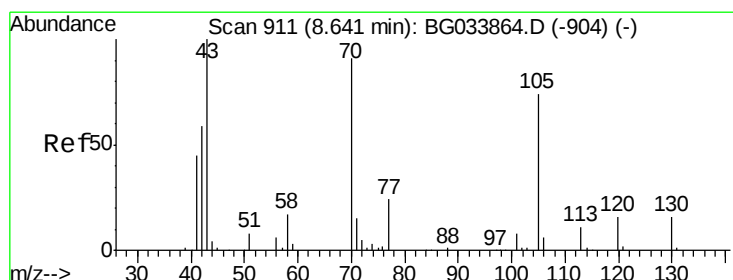
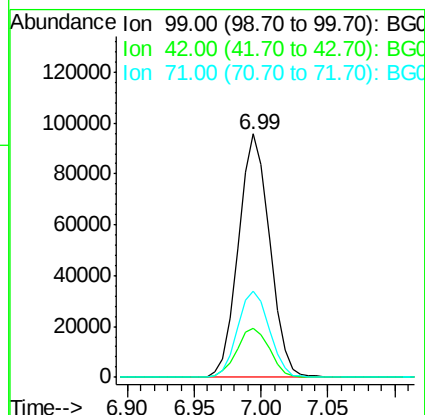
Tot Ion: 99 Resp: 155264

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

71 35.5 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.344 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

Tgt Ion: 70 Resp: 67476

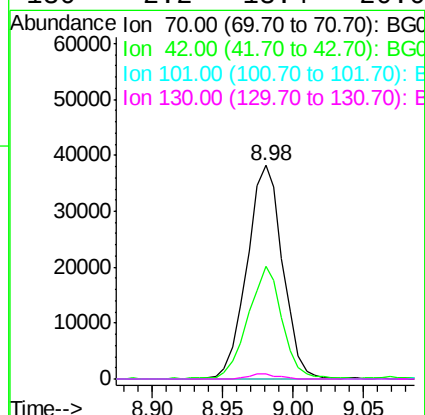
Ion Ratio Lower Upper

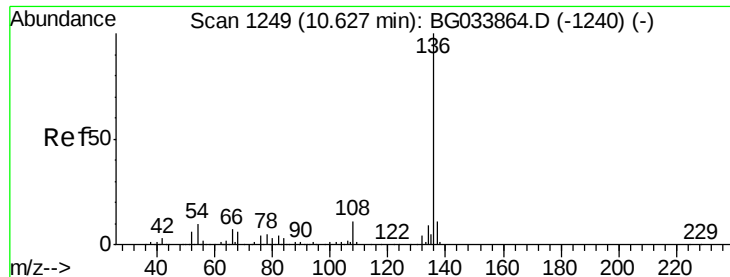
70 100

42 52.7 49.1 73.7

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-D-S

Tot Ion:136 Resp: 263004

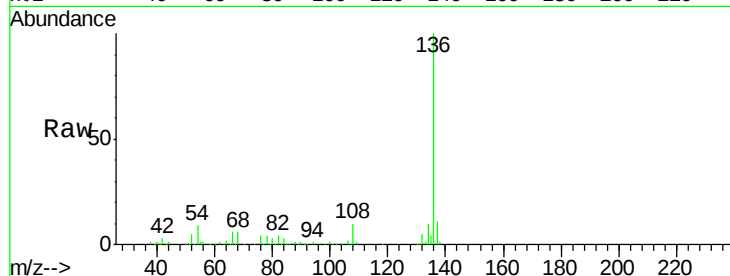
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 9.4 10.3 15.5#

68 6.2 4.5 6.7

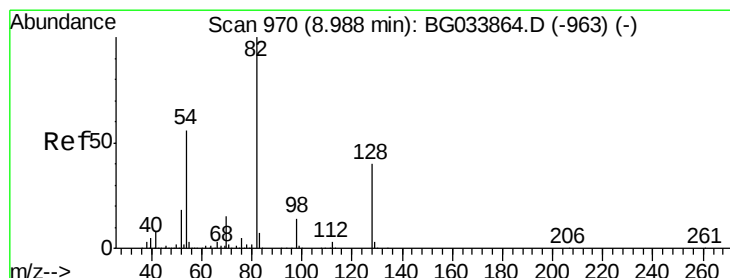
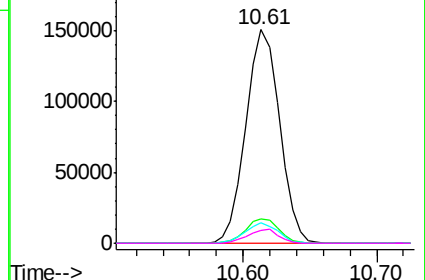
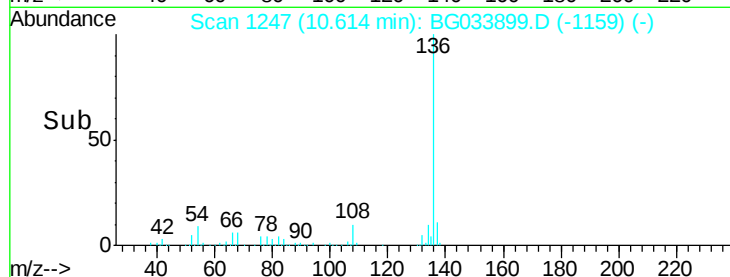


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.716 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

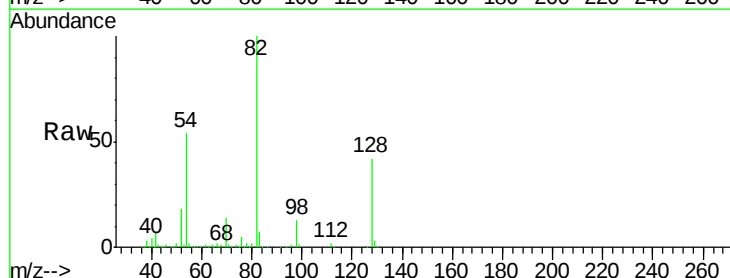
Tgt Ion: 82 Resp: 479315

Ion Ratio Lower Upper

82 100

128 41.8 29.7 44.5

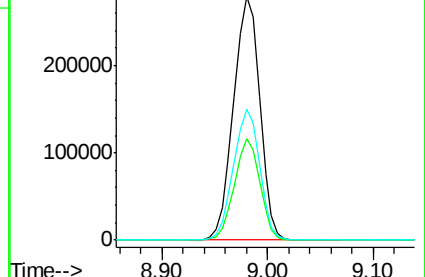
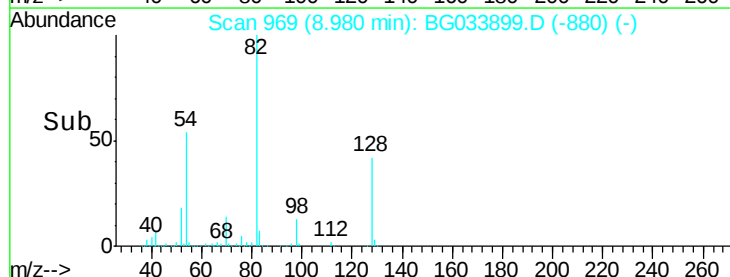
54 53.9 43.1 64.7

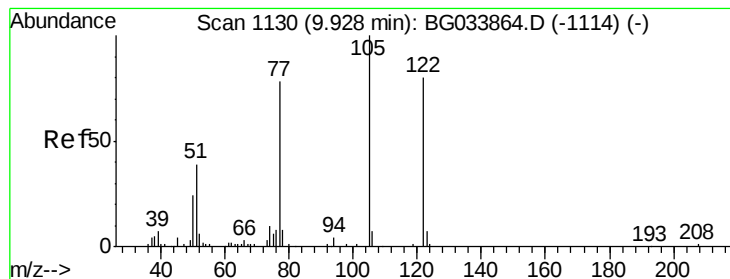


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 5.097 ng

RT: 10.39 min Scan# 1209

Delta R.T. 0.46 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-D-S

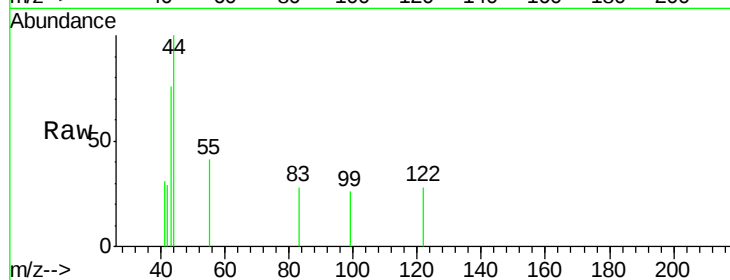
Tot Ion:122 Resp: 56

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

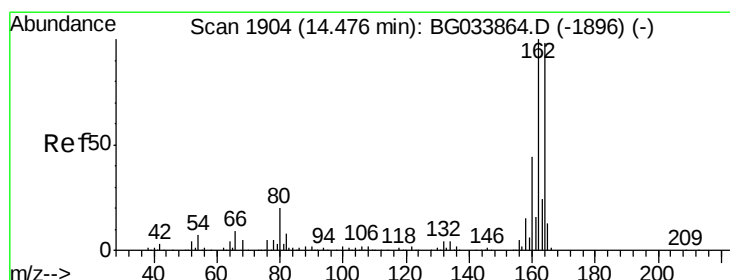
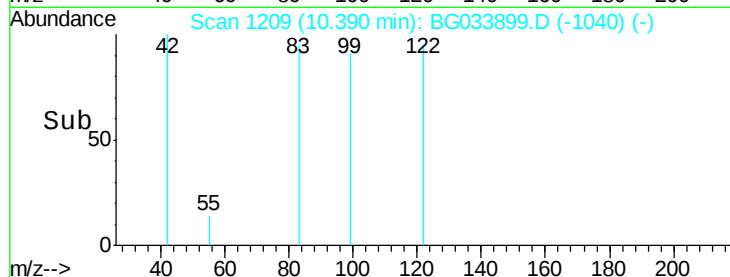
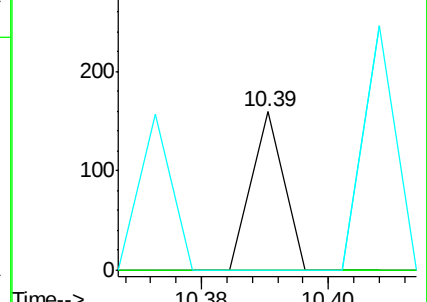
77 0.0 85.7 125.7#



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: BG033899.D

Acq: 21 Apr 2018 00:41

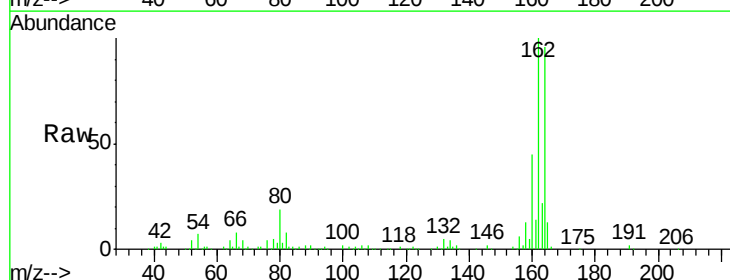
Tgt Ion:164 Resp: 164593

Ion Ratio Lower Upper

164 100

162 103.9 78.8 118.2

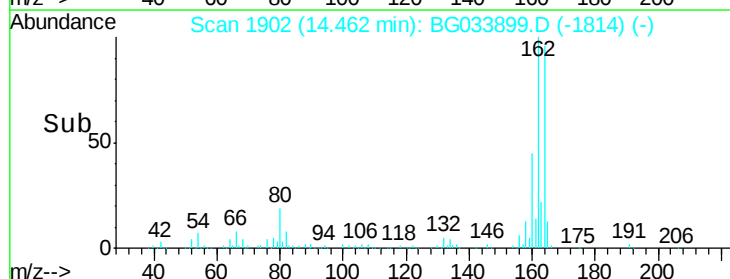
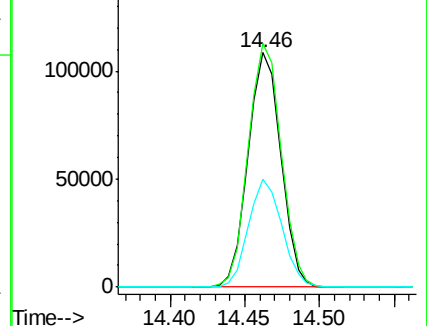
160 46.3 35.4 53.0

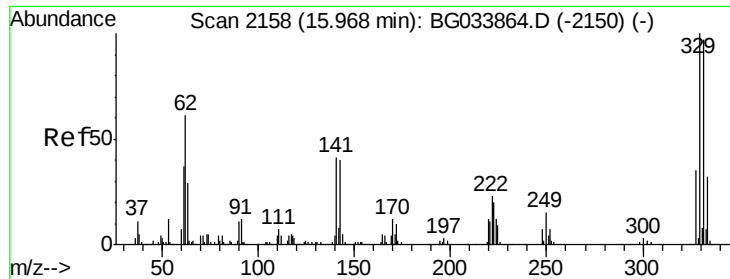


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

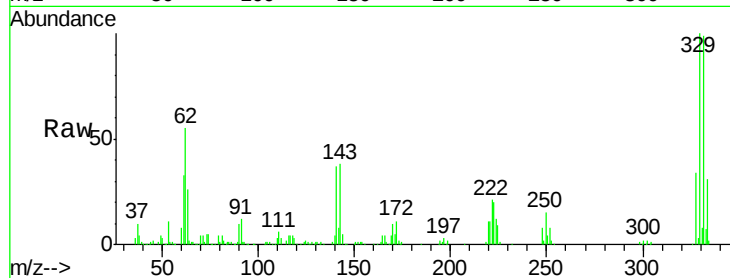




#41
 2,4,6-Tribromophenol
 Concen: 114.724 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033899.D
 Acq: 21 Apr 2018 00:41

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	39.7	25.2	37.8#

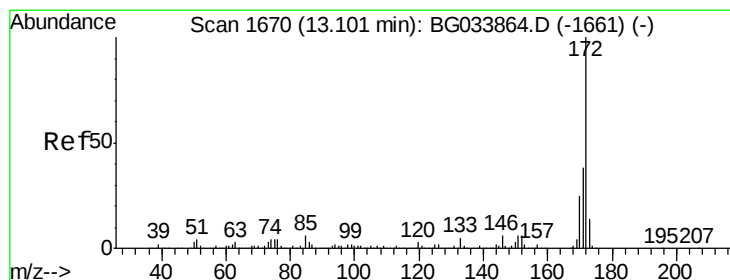
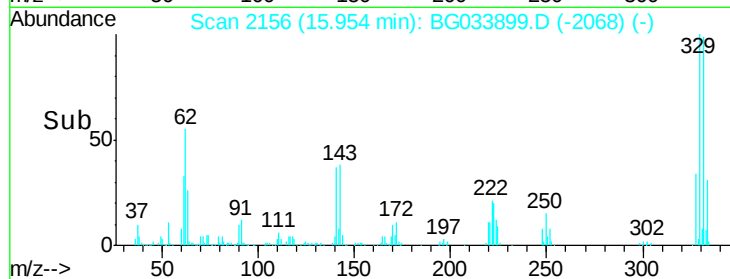
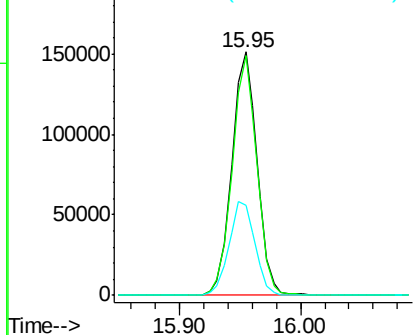


Abundance

Ion 329.80 (329.50 to 330.50): E

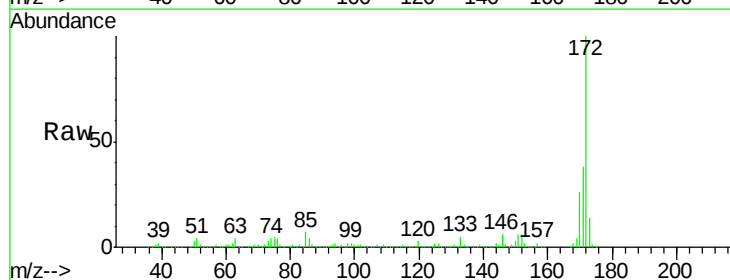
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 101.740 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033899.D
 Acq: 21 Apr 2018 00:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	25.9	19.5	29.3

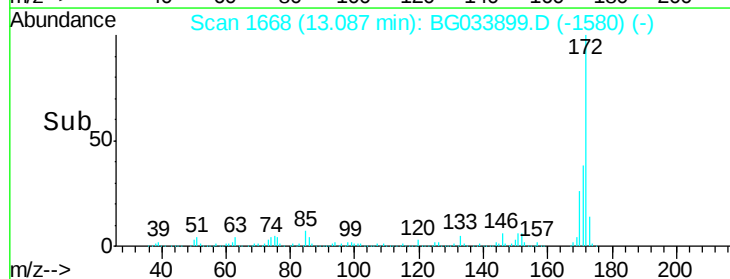
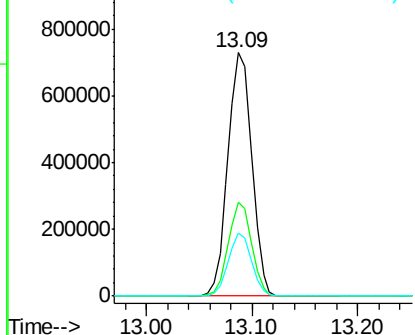


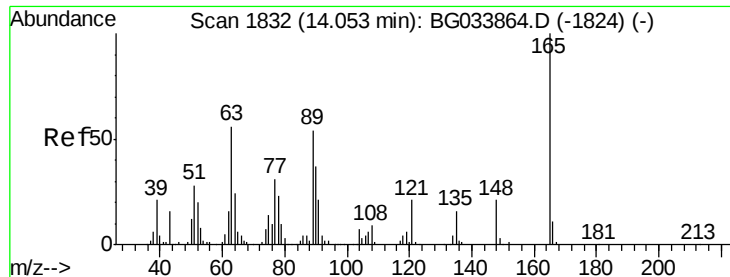
Abundance

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

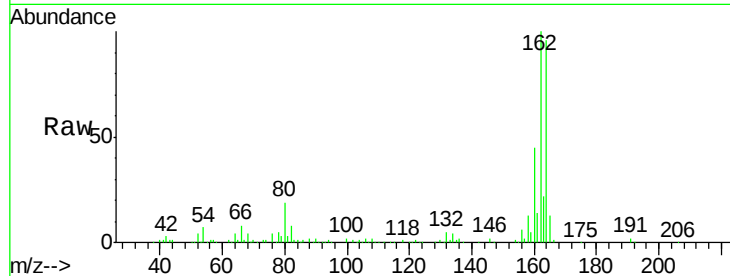




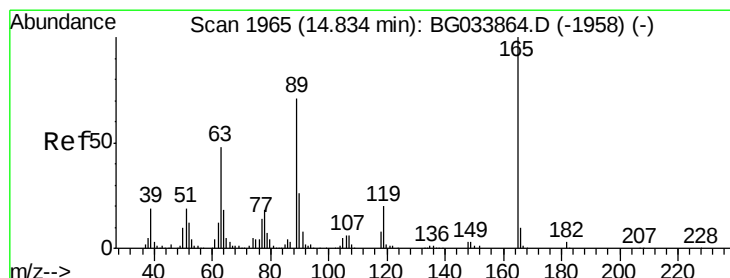
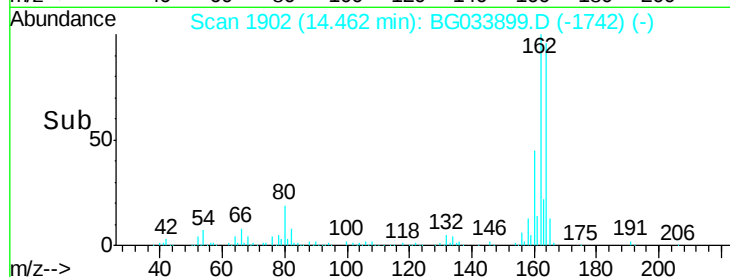
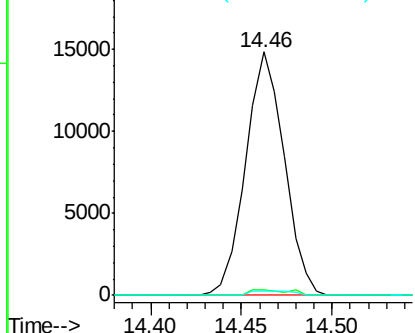
#50
2,6-Dinitrotoluene
Concen: 8.028 ng
RT: 14.46 min Scan# 1902
Delta R.T. 0.41 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

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

Tot Ion:165 Resp: 22028
Ion Ratio Lower Upper
165 100
63 2.4 52.7 79.1#
89 1.9 49.2 73.8#

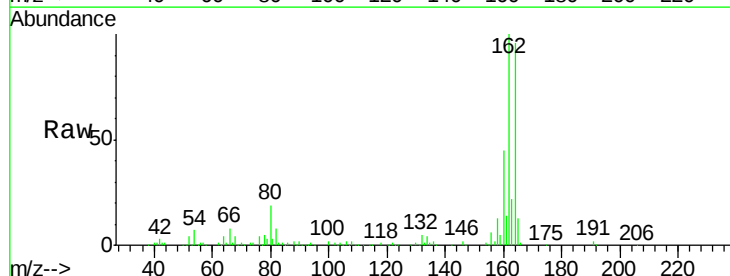


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

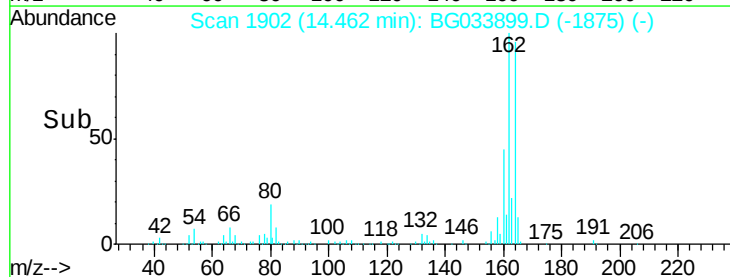
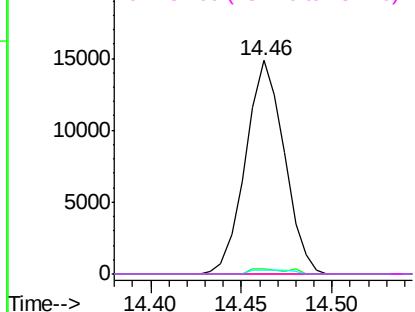


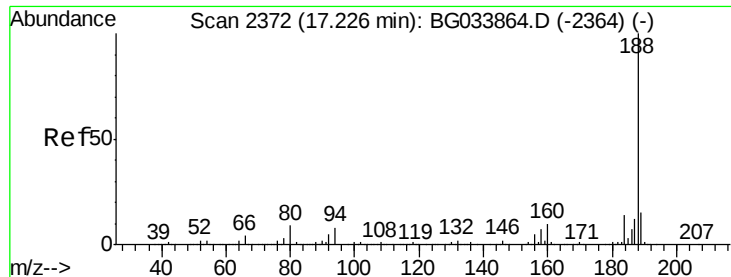
#56
2,4-Dinitrotoluene
Concen: 6.037 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.37 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

Tgt Ion:165 Resp: 22028
Ion Ratio Lower Upper
165 100
63 2.4 42.0 63.0#
89 1.9 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

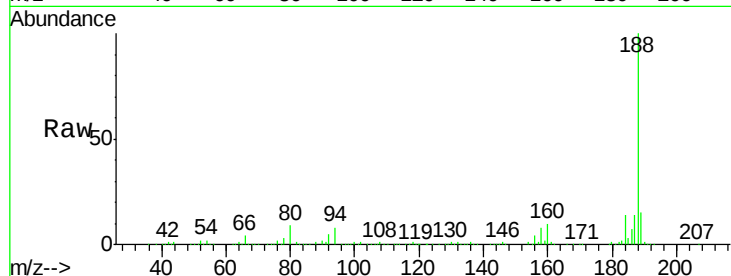




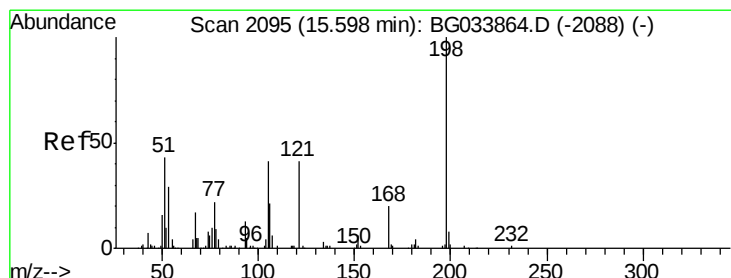
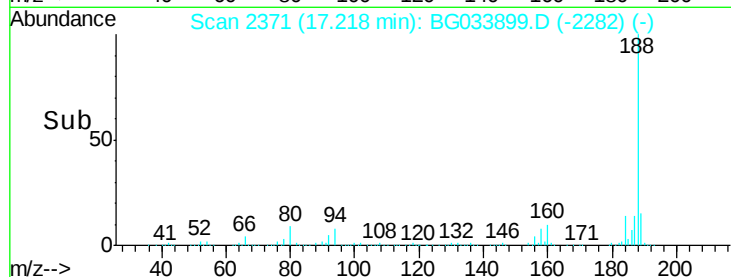
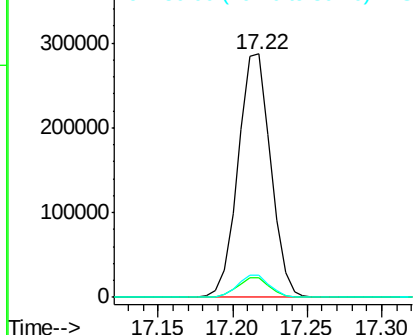
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.22 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

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

Tot Ion:188 Resp: 434227
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 8.9 7.7 11.5

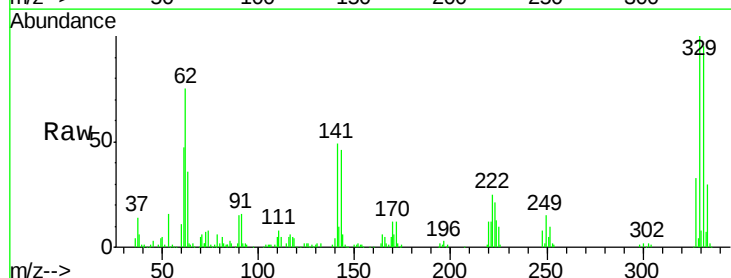


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

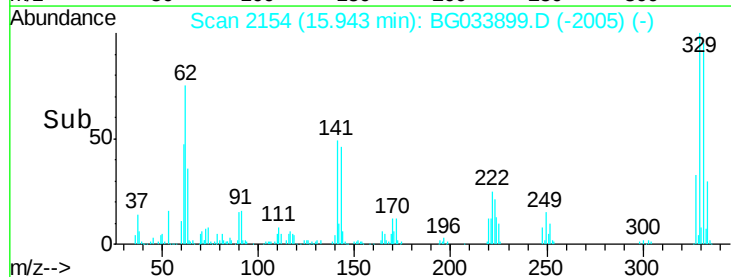
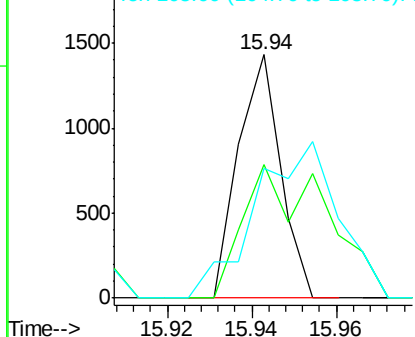


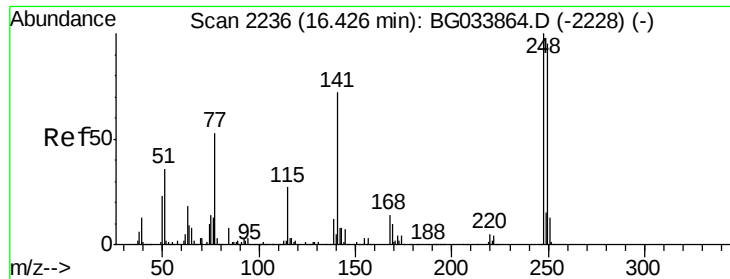
#64
4,6-Dinitro-2-methylphenol
Concen: 6.898 ng
RT: 15.94 min Scan# 2154
Delta R.T. 0.34 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

Tgt Ion:198 Resp: 989
Ion Ratio Lower Upper
198 100
51 55.1 30.6 70.6
105 53.3 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

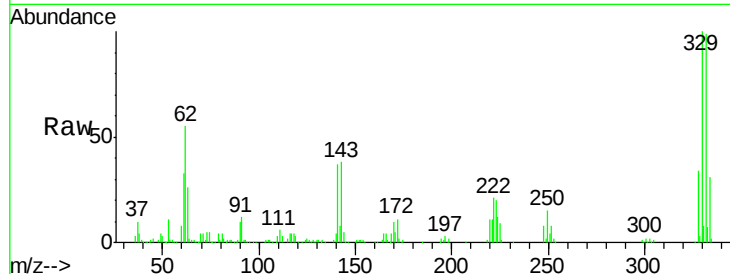




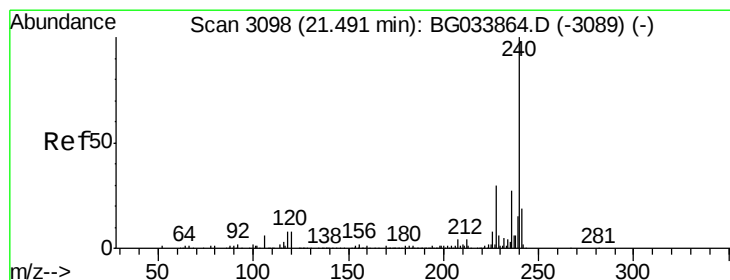
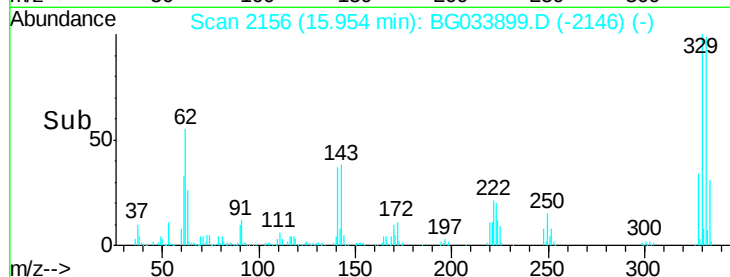
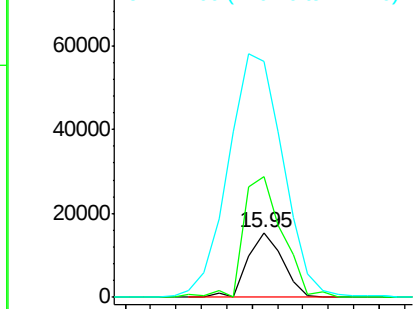
#66
4-Bromophenyl-phenylether
Concen: 3.073 ng
RT: 15.95 min Scan# 2156
Delta R.T. -0.47 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

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

Tot Ion:248 Resp: 14652
Ion Ratio Lower Upper
248 100
250 187.0 77.1 115.7#
141 364.0 50.8 76.2#

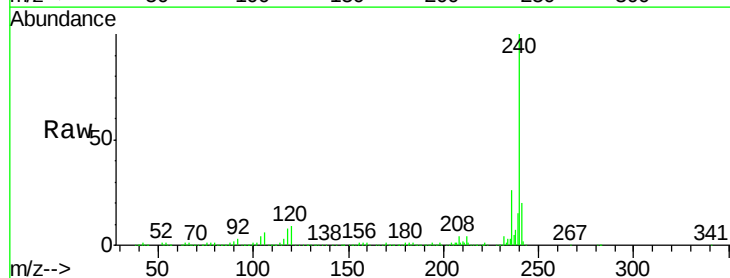


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

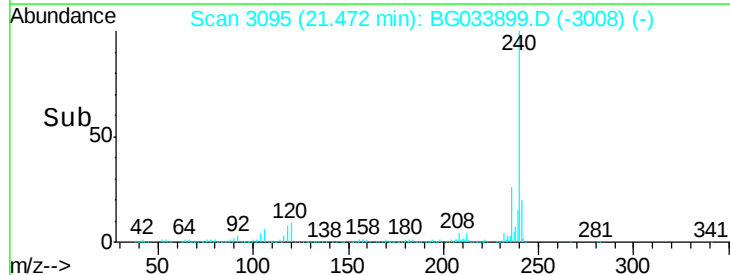
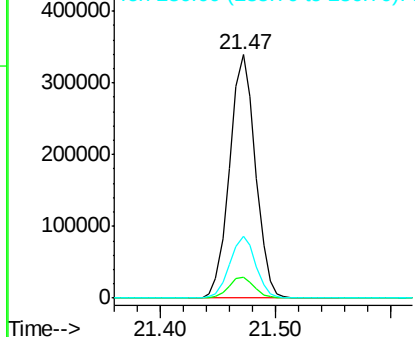


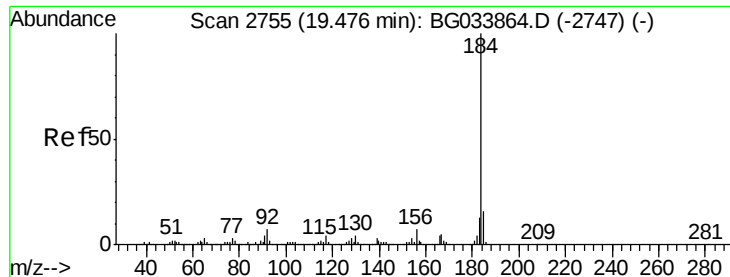
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BG033899.D
Acq: 21 Apr 2018 00:41

Tgt Ion:240 Resp: 524944
Ion Ratio Lower Upper
240 100
120 8.8 6.8 10.2
236 25.6 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: 2.611 ng

RT: 19.86 min Scan# 2820

Delta R.T. 0.38 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

Instrument :

BNA_G

ClientSampleId :

041818-DBRI-F-D-S

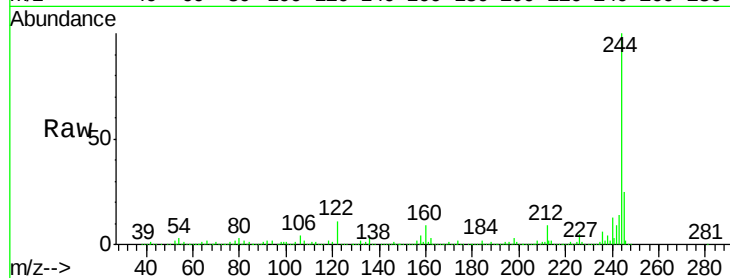
Tot Ion:184 Resp: 37010

Ion Ratio Lower Upper

184 100

185 15.6 11.1 16.7

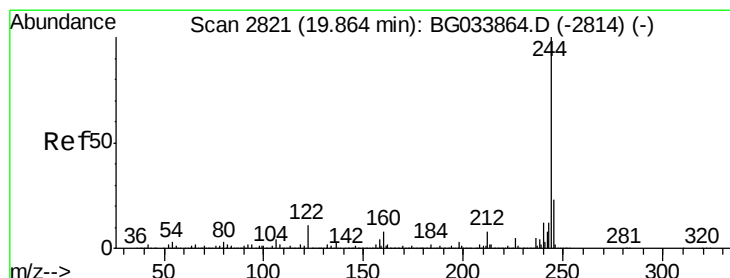
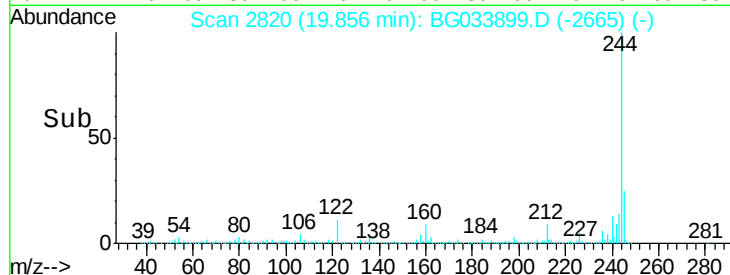
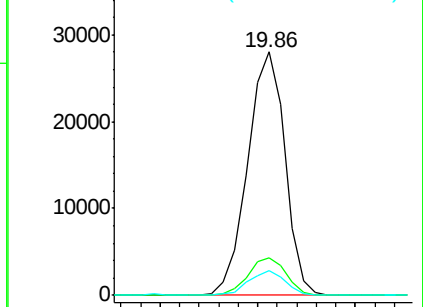
183 10.4 10.6 16.0#



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: 93.466 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033899.D

Acq: 21 Apr 2018 00:41

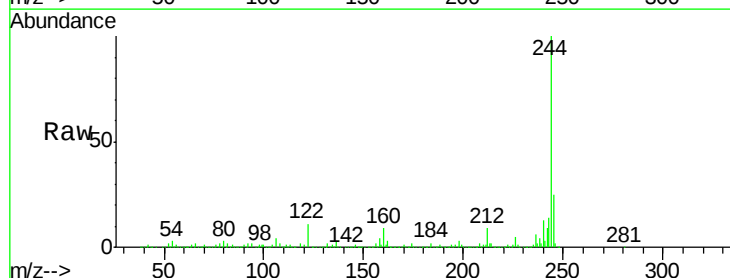
Tgt Ion:244 Resp: 2183921

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

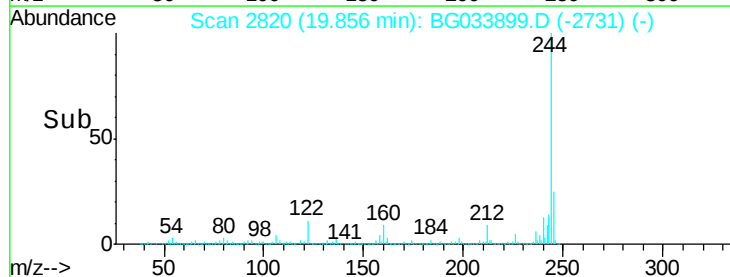
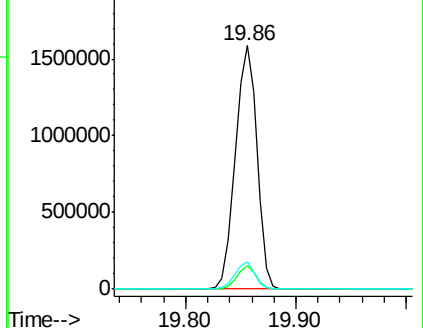
122 11.2 7.0 10.4#

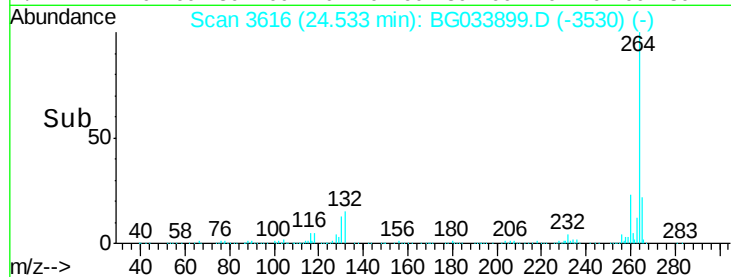
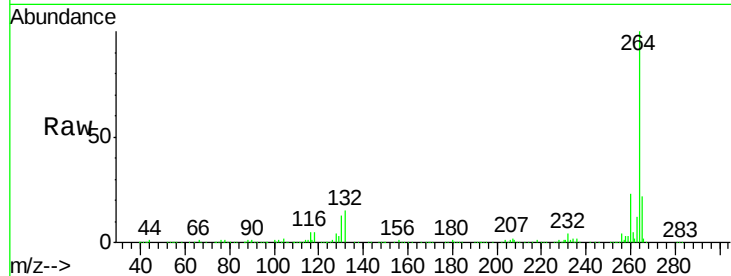
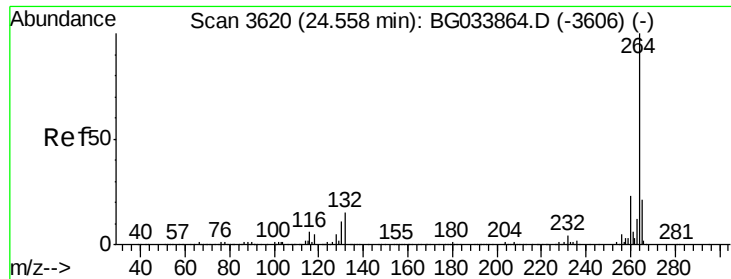


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG033899.D
Acq: 21 Apr 2018 00:41

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	21.6	17.7	26.5

