

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036218.D
 Acq On : 9 Aug 2018 5:14
 Operator : JU/SJ
 Sample : J4275-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 080218-DBRI-E-U-B

Quant Time: Aug 09 07:39:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

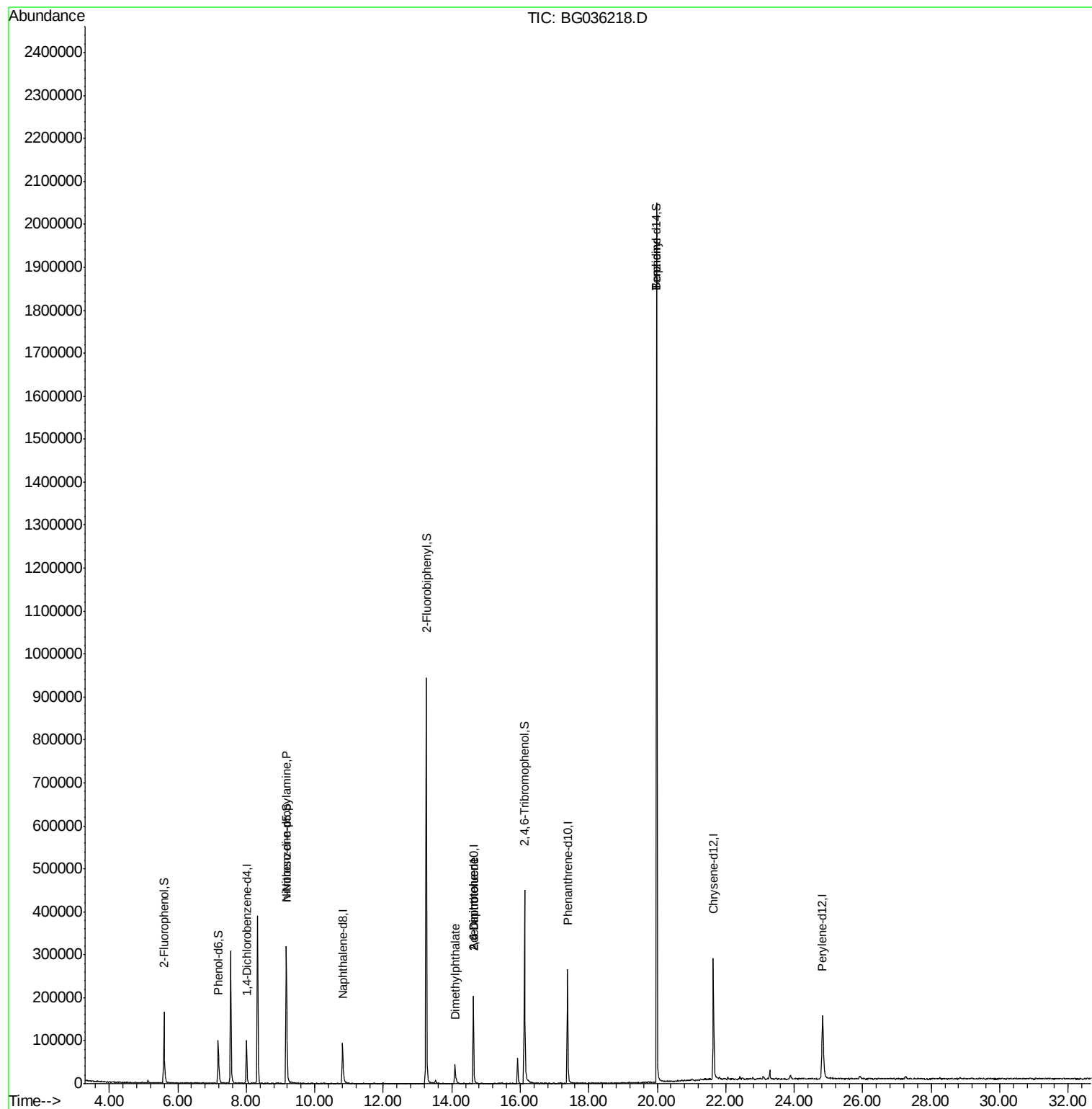
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27522	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	101006	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	75629	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	201182	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	214051	20.00	ng	-0.02
86) Perylene-d12	24.82	264	202602	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	83728	50.51	ng	0.00
7) Phenol-d6	7.18	99	72425	29.28	ng	-0.01
23) Nitrobenzene-d5	9.17	82	244849	101.27	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	98400	98.71	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	556220	98.53	ng	-0.02
78) Terphenyl-d14	19.98	244	1000748	103.06	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	34676	16.649	ng	# 63
49) Dimethylphthalate	14.09	163	46813	7.065	ng	# 95
50) 2,6-Dinitrotoluene	14.63	165	9697	7.186	ng	# 21
56) 2,4-Dinitrotoluene	14.63	165	9697	5.009	ng	# 19
76) Benzidine	19.98	184	17444	3.100	ng	# 89

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

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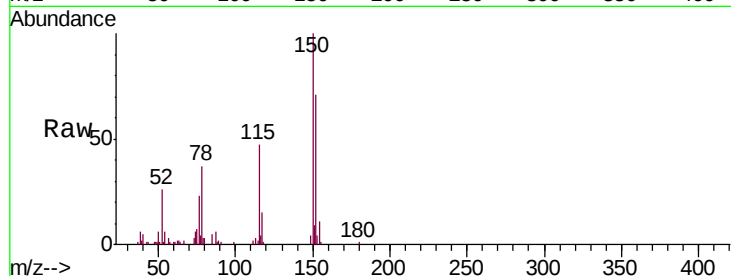


#1

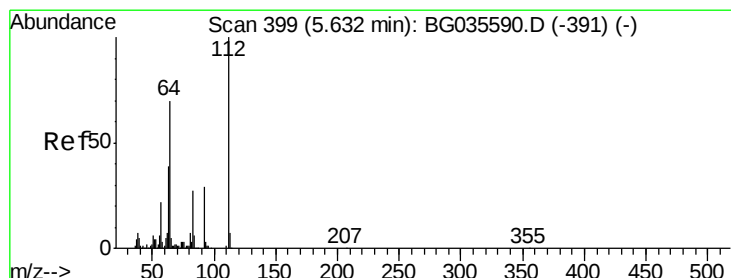
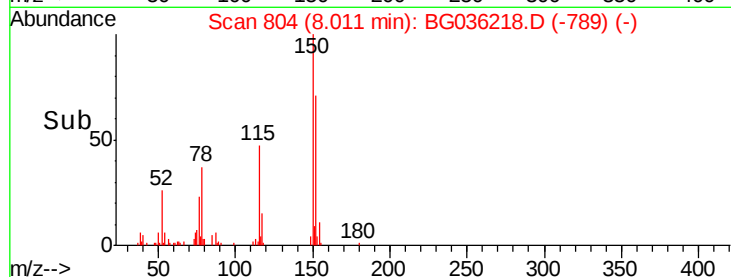
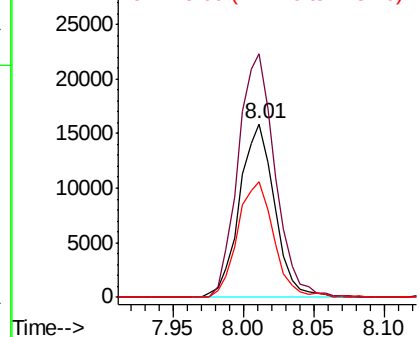
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036218.D
Acq: 9 Aug 2018 5:14

Instrument :
BNA_G
ClientSampleId :
080218-DBRI-E-U-B

Tgt Ion:152 Resp: 27522
Ion Ratio Lower Upper
152 100
150 140.1 126.6 189.8
115 66.2 53.0 79.4



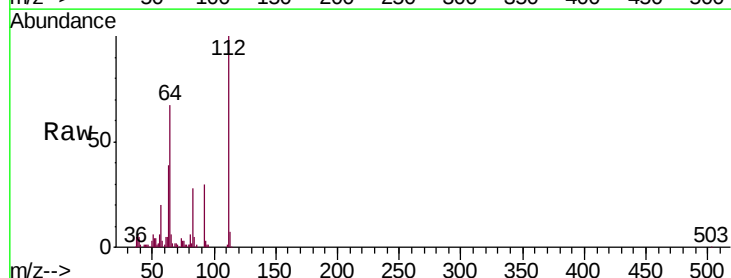
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



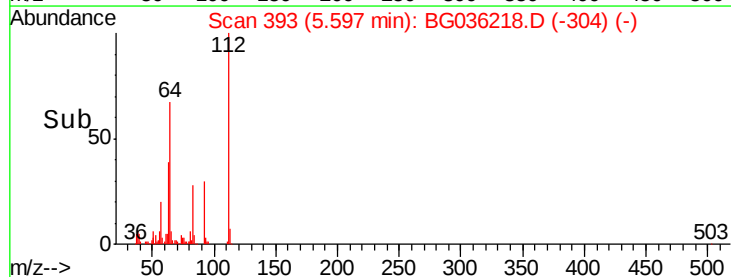
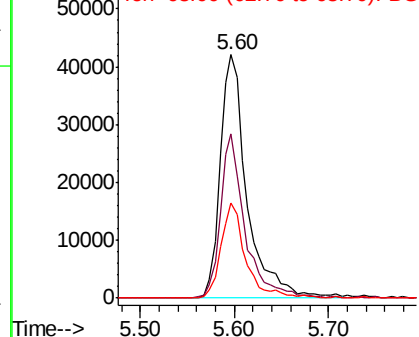
#5

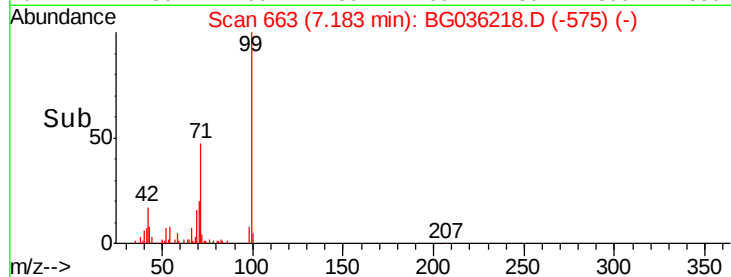
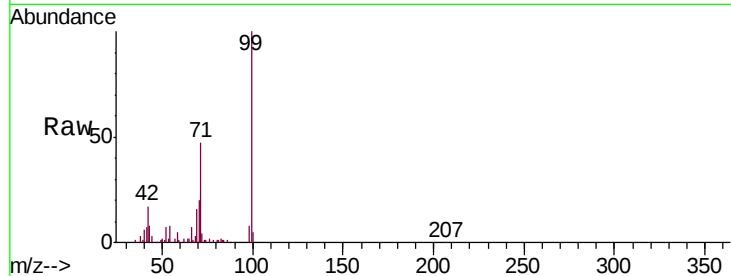
2-Fluorophenol
Concen: 50.508 ng
RT: 5.60 min Scan# 393
Delta R.T. -0.01 min
Lab File: BG036218.D
Acq: 9 Aug 2018 5:14

Tgt Ion:112 Resp: 83728
Ion Ratio Lower Upper
112 100
64 67.3 56.3 84.5
63 38.9 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: 29.283 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-B

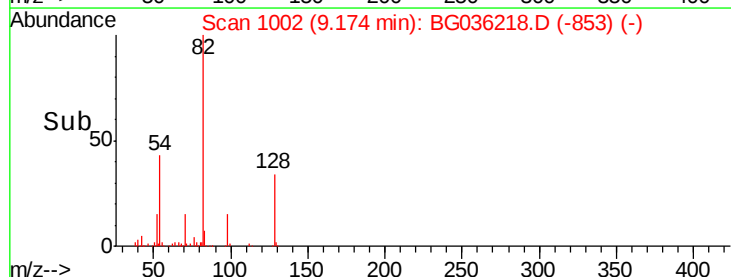
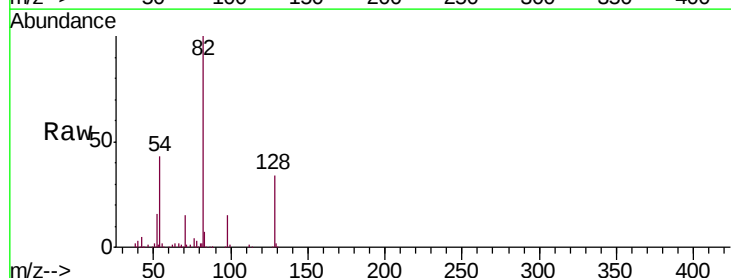
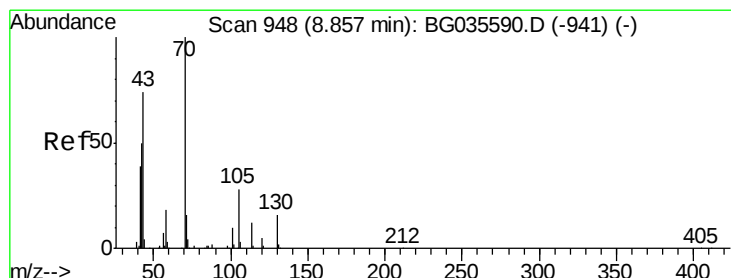
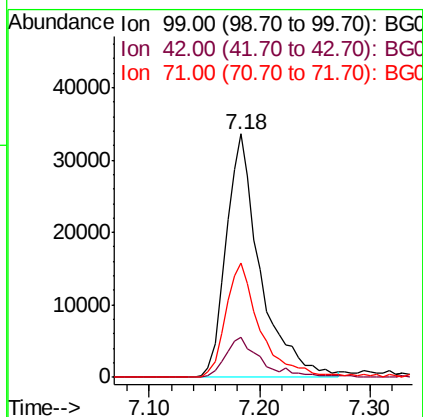
Tgt Ion: 99 Resp: 72425

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

71 46.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.649 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.35 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Tgt Ion: 70 Resp: 34676

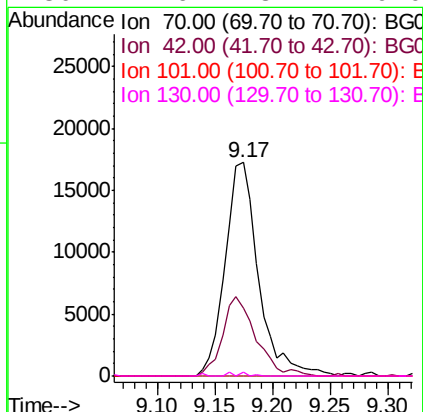
Ion Ratio Lower Upper

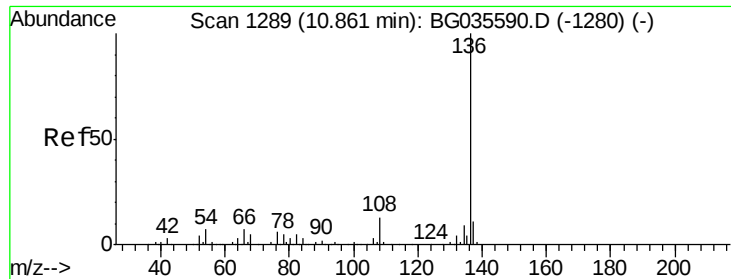
70 100

42 32.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 13.4 20.0#

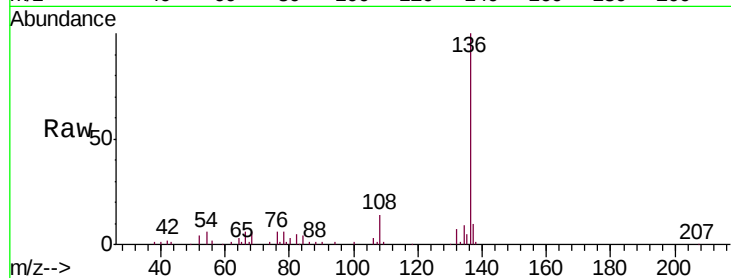




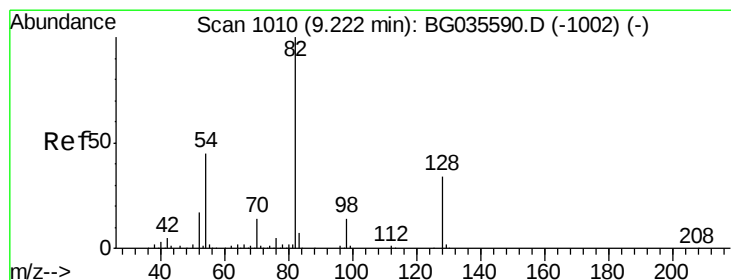
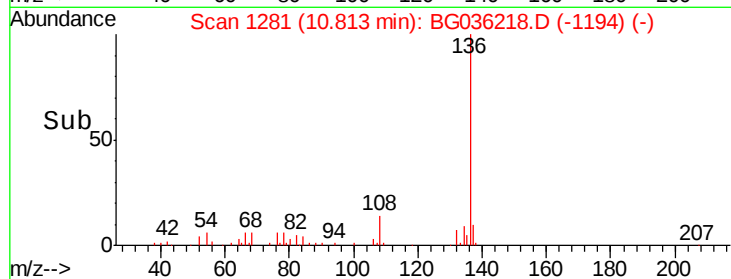
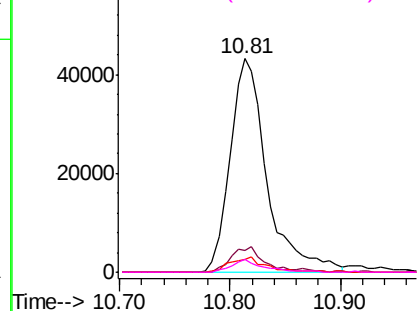
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036218.D
Acq: 9 Aug 2018 5:14

Instrument :
BNA_G
ClientSampleId :
080218-DBRI-E-U-B

Tgt Ion:	136	Resp:	101006
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	6.3	10.3	15.5#
68	5.7	4.5	6.7

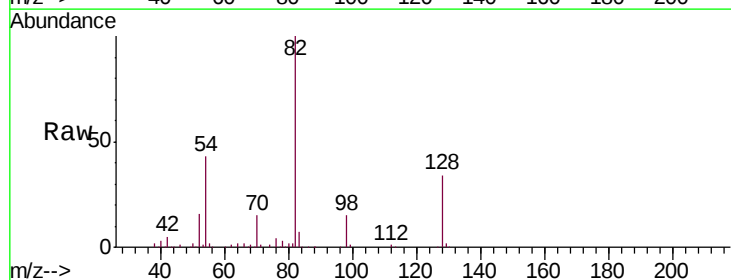


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

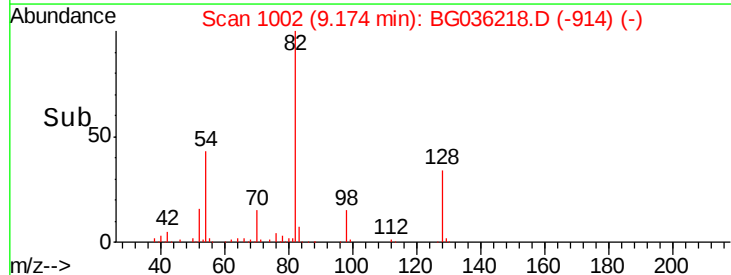
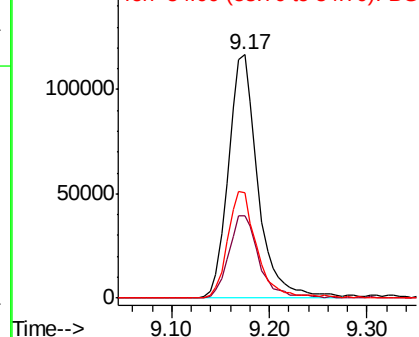


#23
Nitrobenzene-d5
Concen: 101.266 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036218.D
Acq: 9 Aug 2018 5:14

Tgt Ion:	82	Resp:	244849
Ion	Ratio	Lower	Upper
82	100		
128	33.8	29.7	44.5
54	43.4	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-B

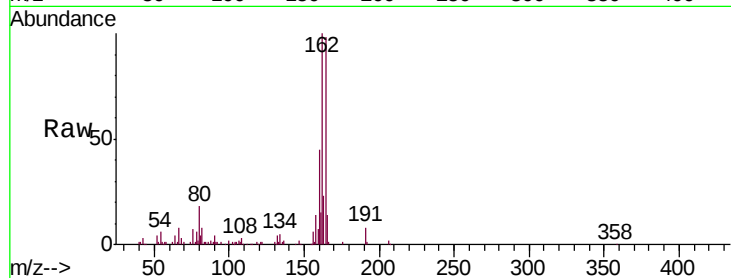
Tgt Ion:164 Resp: 75629

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

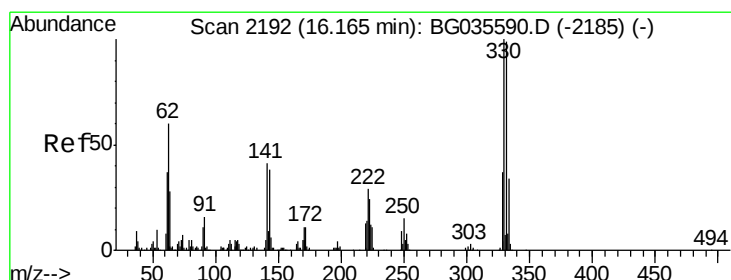
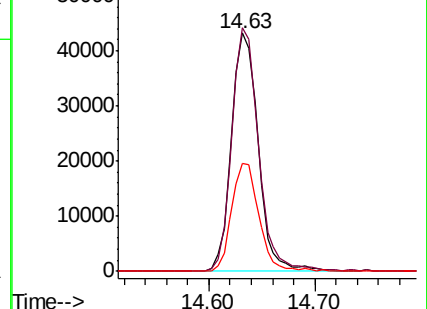
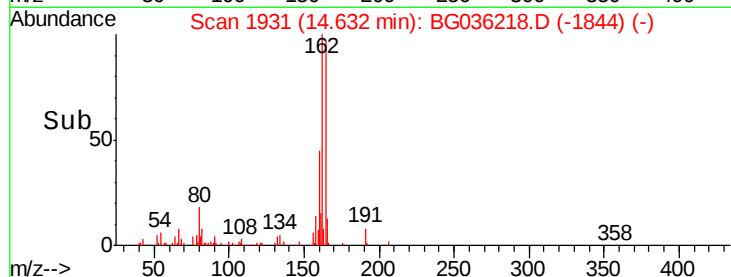
160 45.5 35.4 53.0



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: 98.712 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

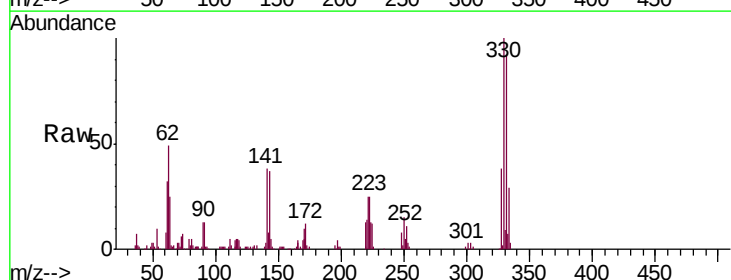
Tgt Ion:330 Resp: 98400

Ion Ratio Lower Upper

330 100

332 99.3 77.0 115.6

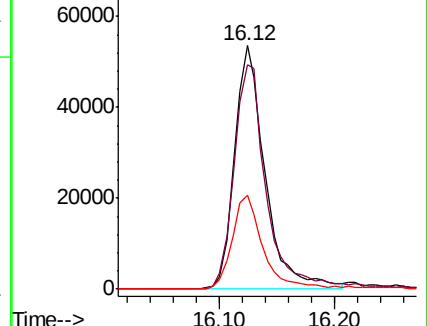
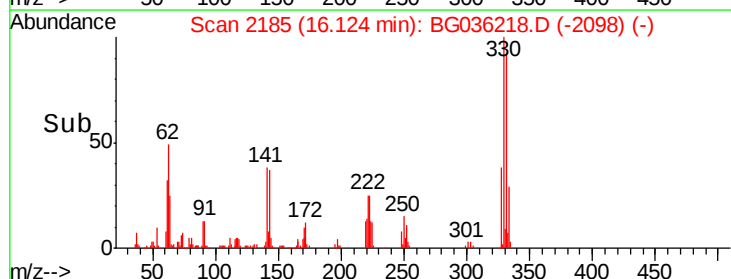
141 38.8 25.2 37.8#

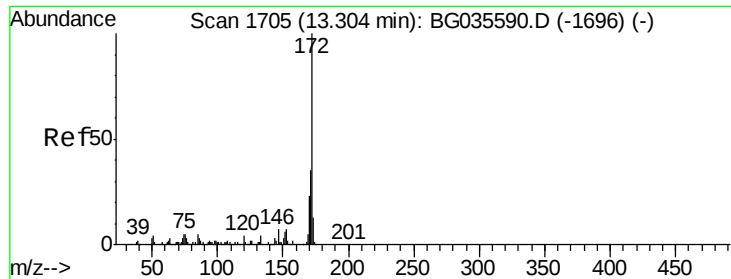


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 98.532 ng

RT: 13.26 min Scan# 1697

Delta R.T. -0.02 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-B

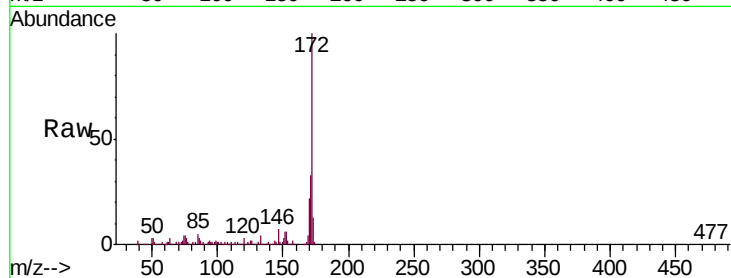
Tgt Ion:172 Resp: 556220

Ion Ratio Lower Upper

172 100

171 32.9 30.0 45.0

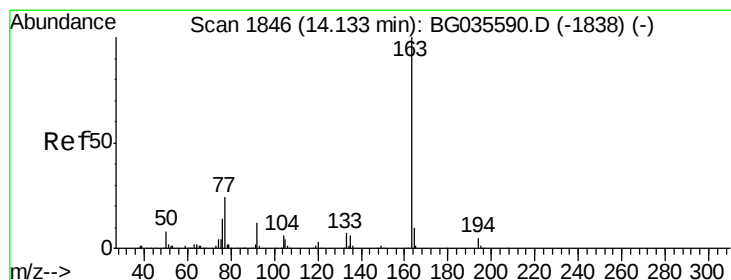
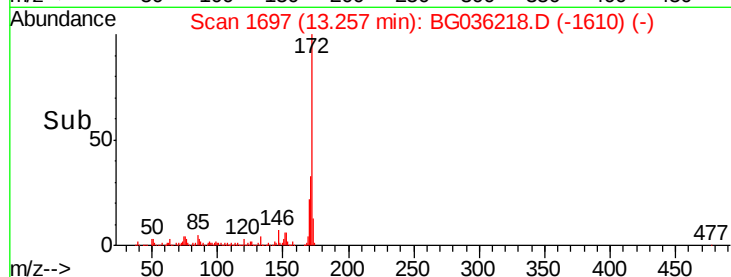
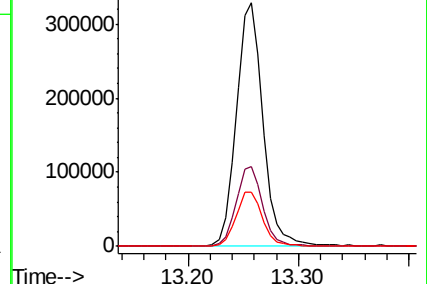
170 22.4 19.5 29.3



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



#49

Dimethylphthalate

Concen: 7.065 ng

RT: 14.09 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

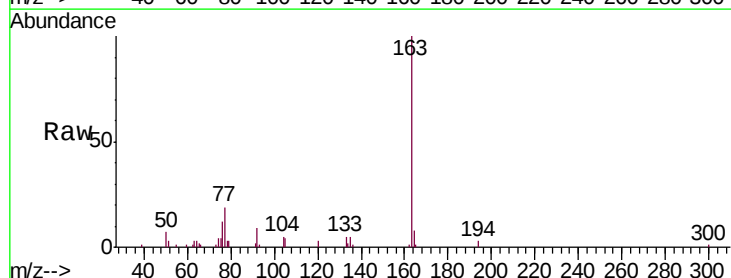
Tgt Ion:163 Resp: 46813

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.2

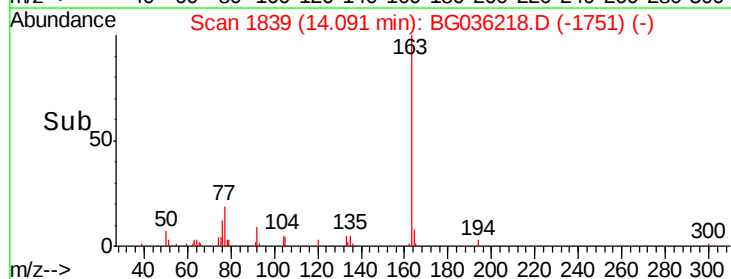
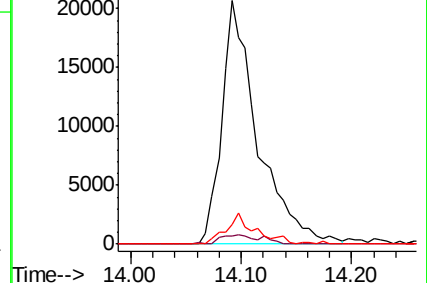
164 8.0 8.2 12.4#

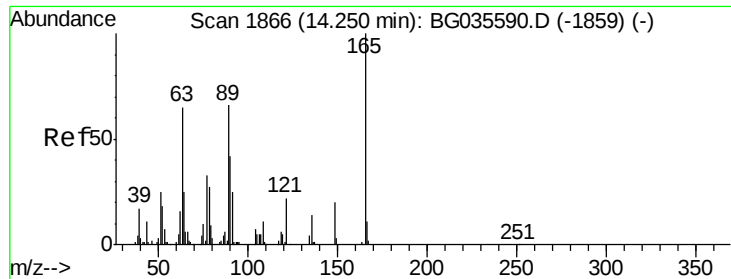


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

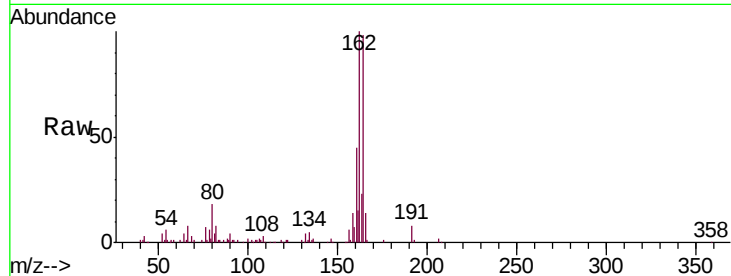




#50
 2,6-Dinitrotoluene
 Concen: 7.186 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. 0.40 min
 Lab File: BG036218.D
 Acq: 9 Aug 2018 5:14

Instrument :
 BNA_G
 ClientSampleId :
 080218-DBRI-E-U-B

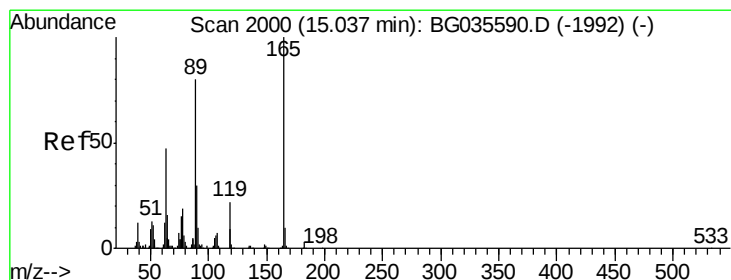
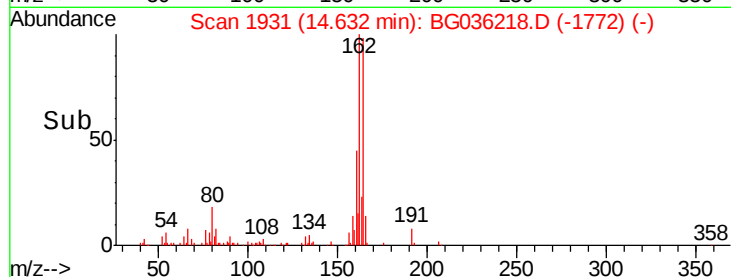
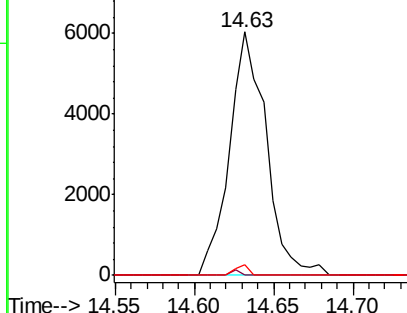
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	4.2	49.2	73.8#



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: 5.009 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.38 min
 Lab File: BG036218.D
 Acq: 9 Aug 2018 5:14

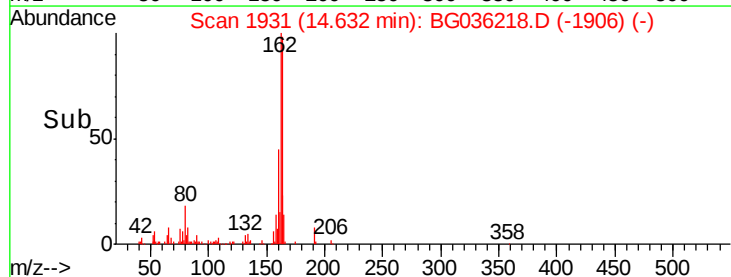
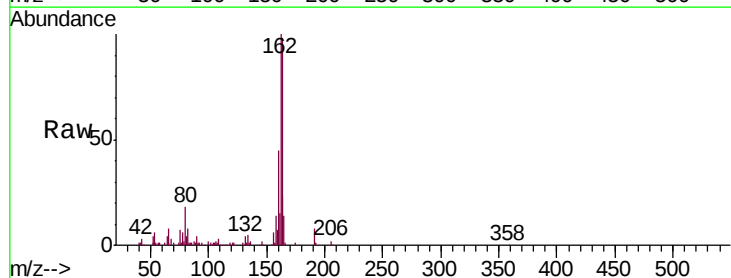
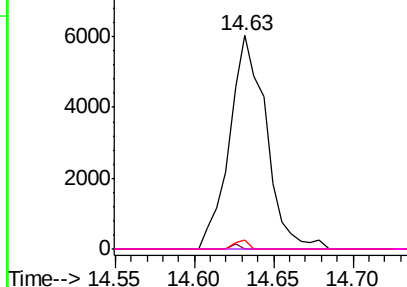
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	4.2	66.9	100.3#
182	0.0	2.6	3.8#

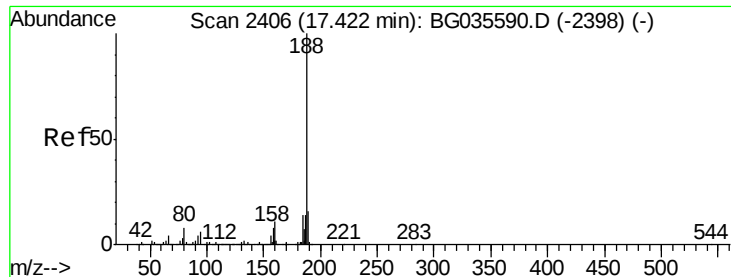
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-B

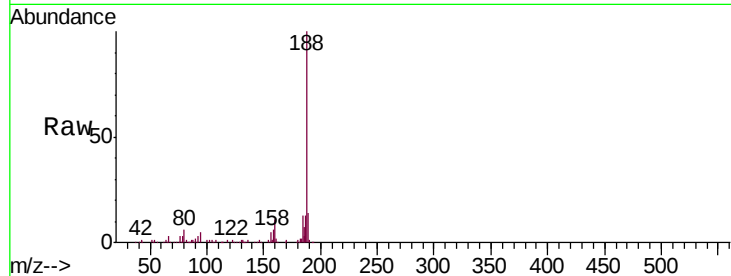
Tgt Ion:188 Resp: 201182

Ion Ratio Lower Upper

188 100

94 5.3 6.9 10.3#

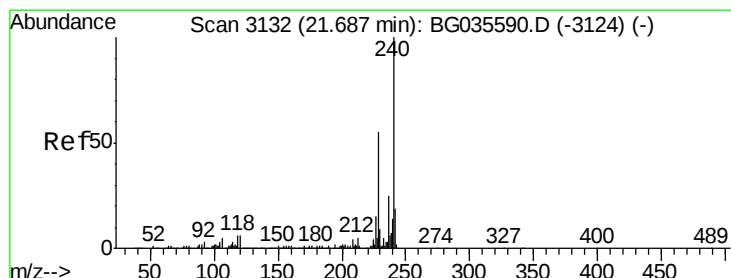
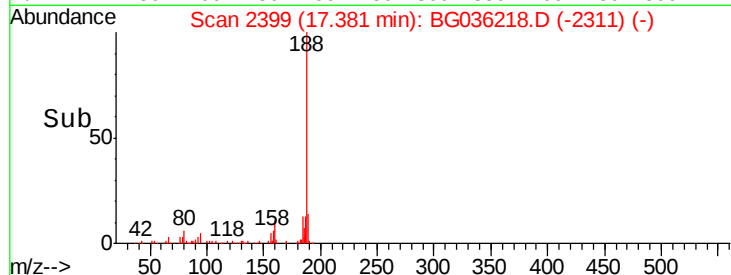
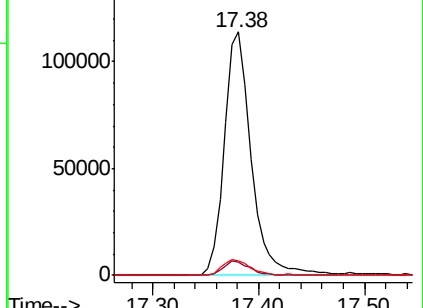
80 6.0 7.7 11.5#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

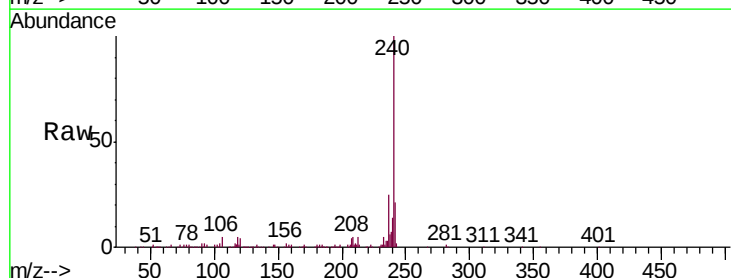
Tgt Ion:240 Resp: 214051

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

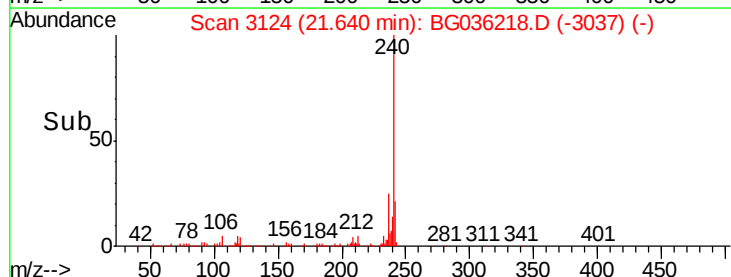
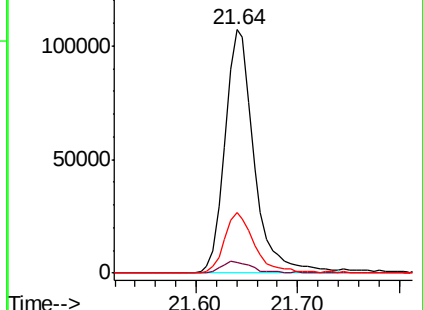
236 24.6 20.9 31.3



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: 3.100 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-B

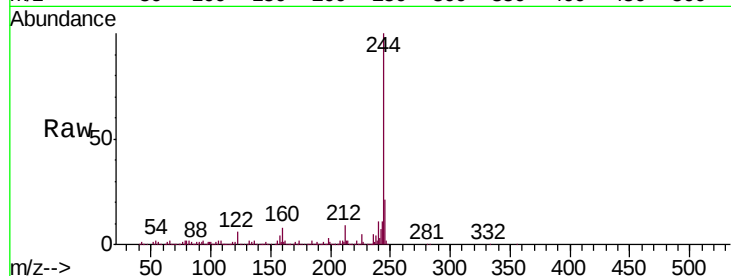
Tgt Ion:184 Resp: 17444

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

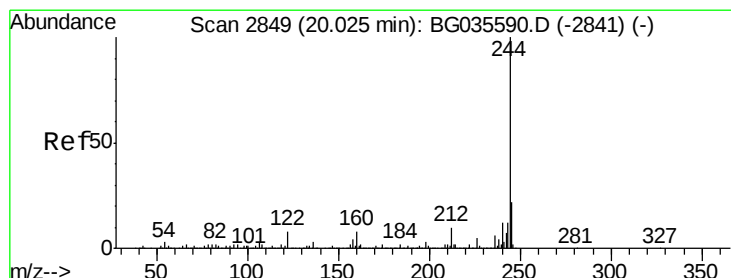
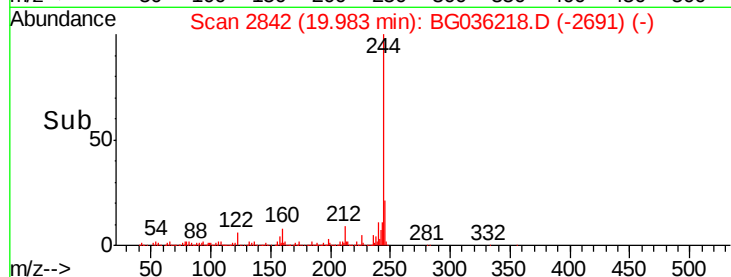
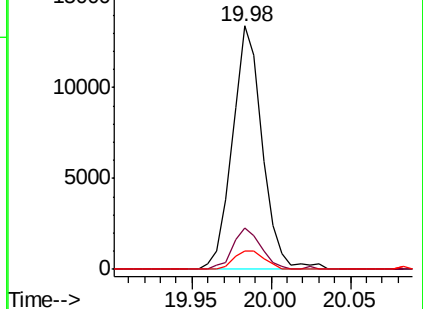
183 7.6 10.6 16.0#



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: 103.057 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036218.D

Acq: 9 Aug 2018 5:14

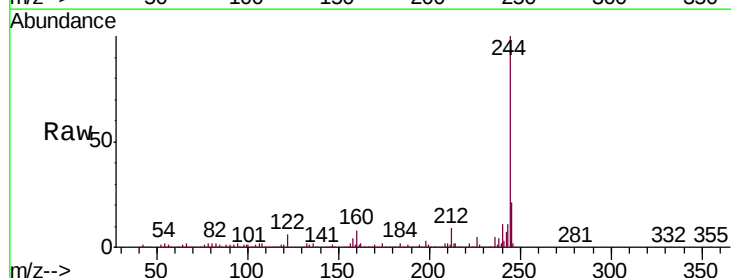
Tgt Ion:244 Resp: 1000748

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

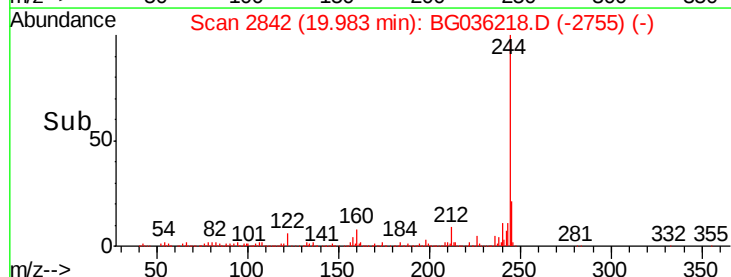
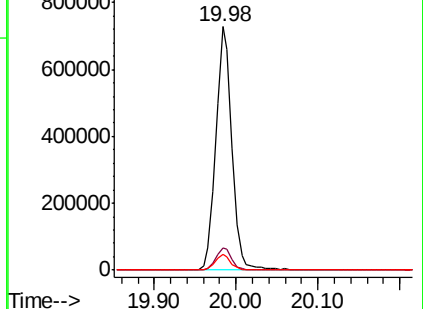
122 6.4 7.0 10.4#

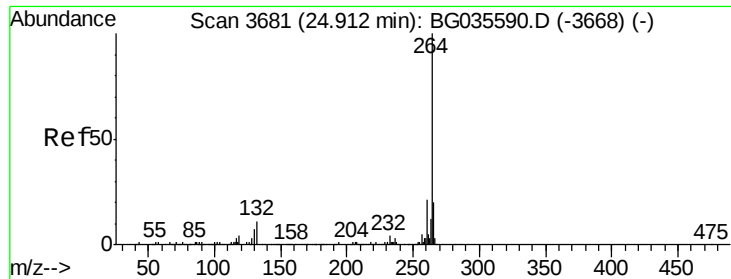


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

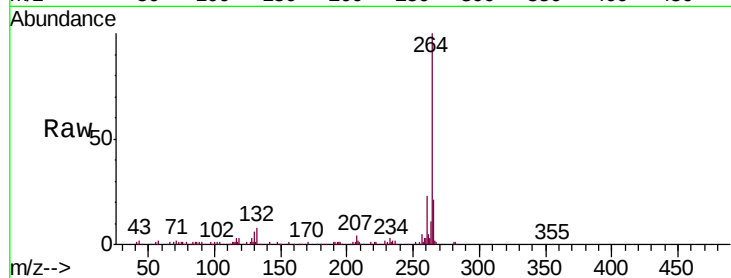




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3666
Delta R.T. -0.04 min
Lab File: BG036218.D
Acq: 9 Aug 2018 5:14

Instrument :
BNA_G
ClientSampleId :
080218-DBRI-E-U-B

Tgt Ion:	264	Resp:	202602
Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.0	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

