

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080818\
 Data File : BG036219.D
 Acq On : 9 Aug 2018 5:54
 Operator : JU/SJ
 Sample : J4350-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 09 07:39:55 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

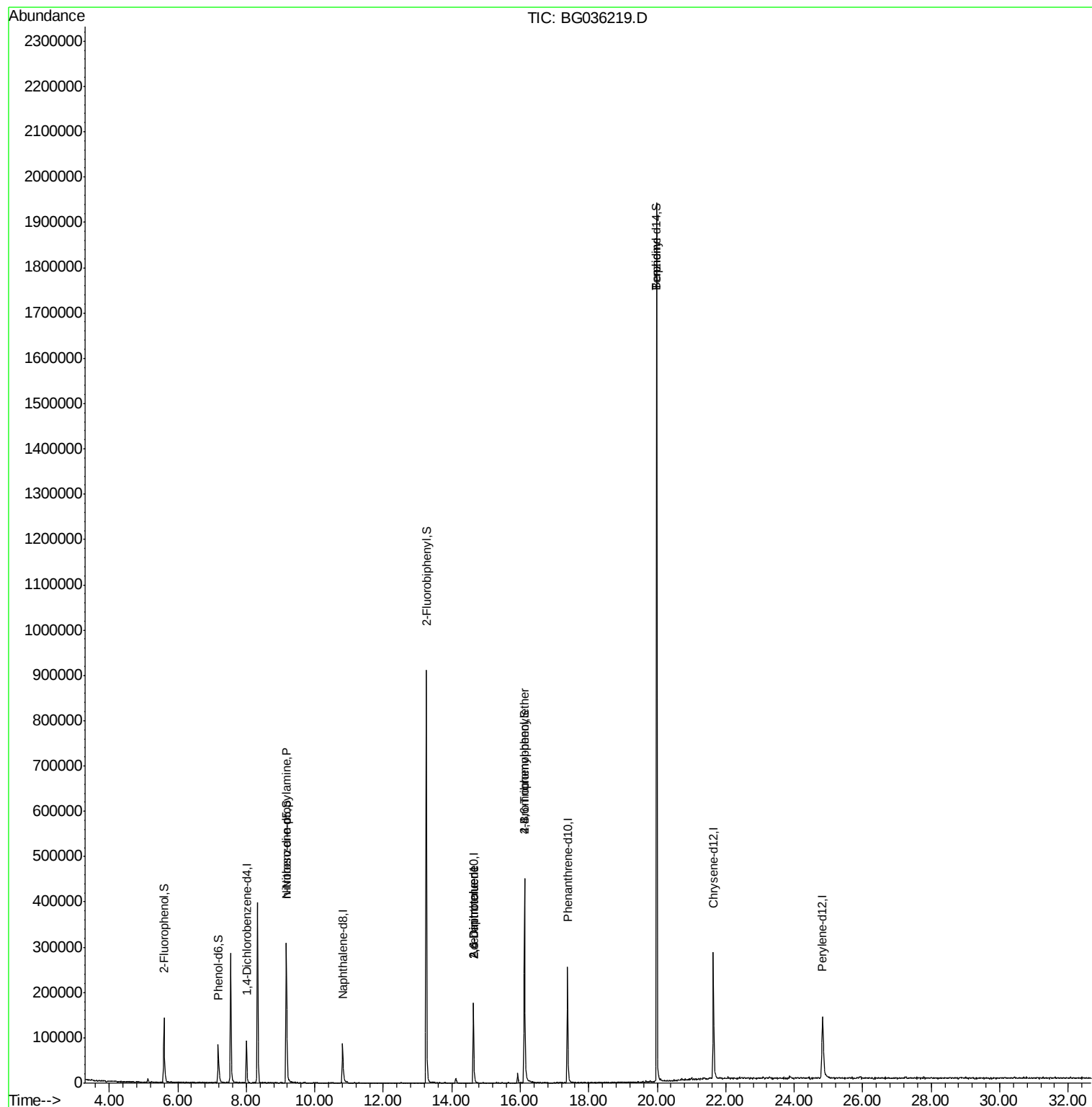
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27049	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	94439	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	71976	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	194722	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	210916	20.00	ng	-0.02
86) Perylene-d12	24.83	264	195983	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	73056	44.84	ng	0.00
7) Phenol-d6	7.18	99	64201	26.41	ng	-0.01
23) Nitrobenzene-d5	9.17	82	239257	105.83	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	101726	107.23	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	536554	99.87	ng	-0.02
78) Terphenyl-d14	19.98	244	1014275	106.00	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	33025	16.134	ng	# 72
50) 2,6-Dinitrotoluene	14.64	165	10484	8.164	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	10484	5.691	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	8718	3.859	ng	# 1
76) Benzidine	19.99	184	17856	3.220	ng	# 92

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

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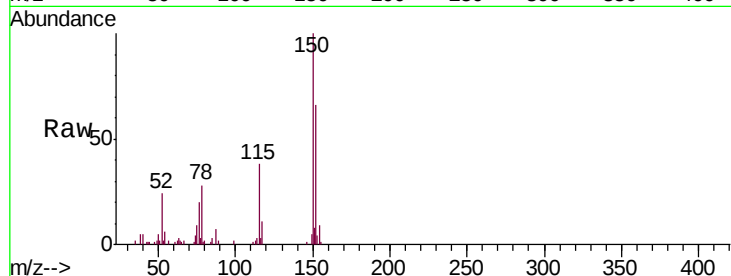


#1

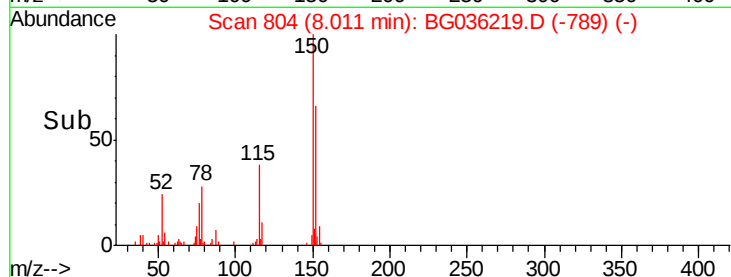
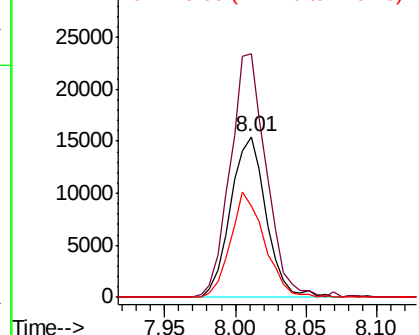
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BG036219.D
 Acq: 9 Aug 2018 5:54

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

Tgt Ion:152 Resp: 27049
 Ion Ratio Lower Upper
 152 100
 150 151.5 126.6 189.8
 115 57.0 53.0 79.4



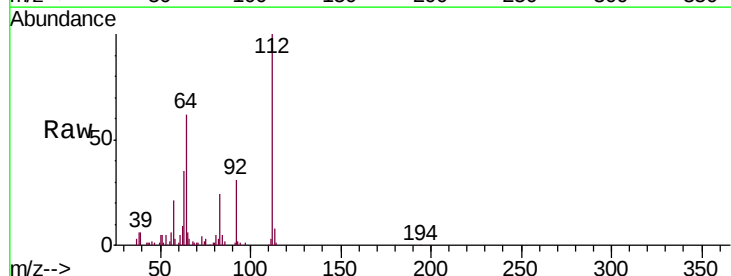
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



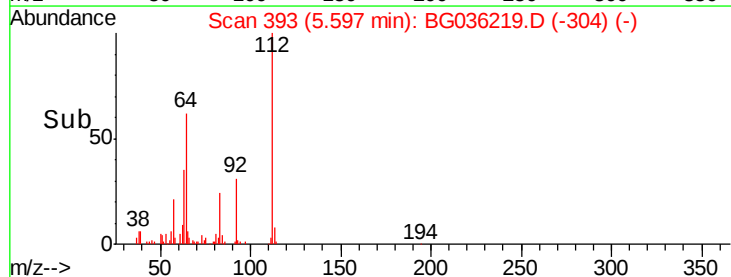
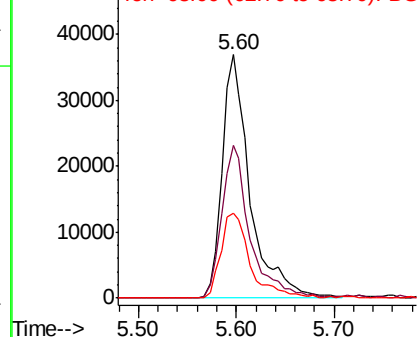
#5

2-Fluorophenol
 Concen: 44.841 ng
 RT: 5.60 min Scan# 393
 Delta R.T. -0.01 min
 Lab File: BG036219.D
 Acq: 9 Aug 2018 5:54

Tgt Ion:112 Resp: 73056
 Ion Ratio Lower Upper
 112 100
 64 62.5 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: 26.412 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-S

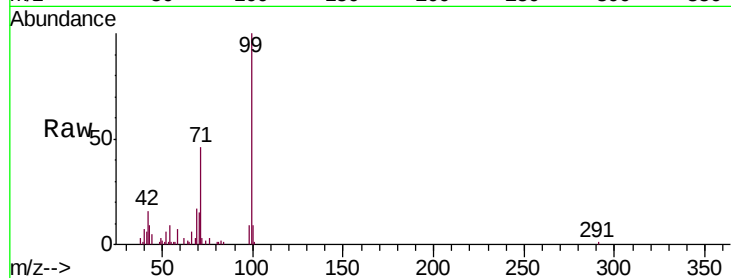
Tgt Ion: 99 Resp: 64201

Ion Ratio Lower Upper

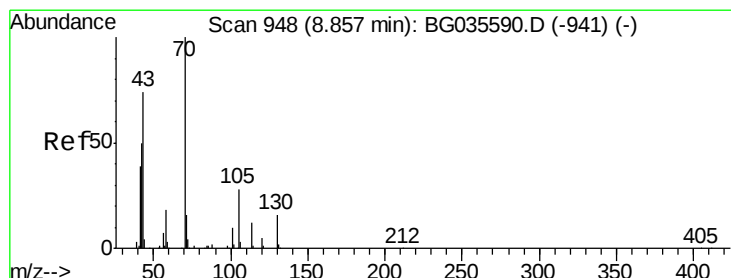
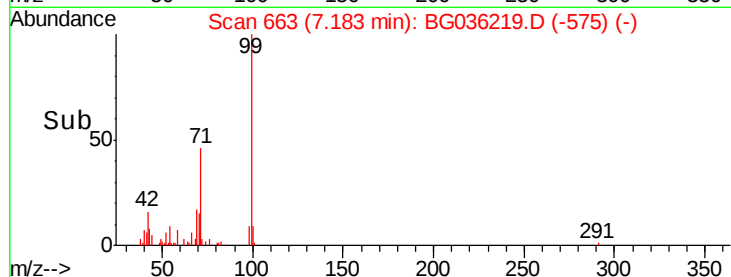
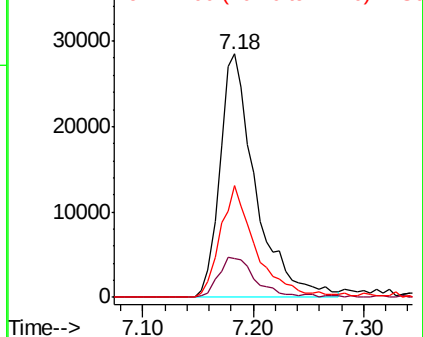
99 100

42 16.1 14.1 21.1

71 45.8 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: 16.134 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

Tgt Ion: 70 Resp: 33025

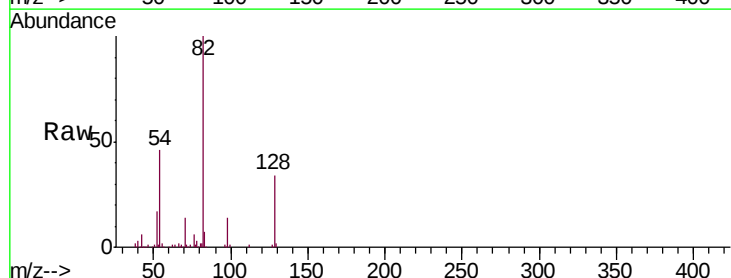
Ion Ratio Lower Upper

70 100

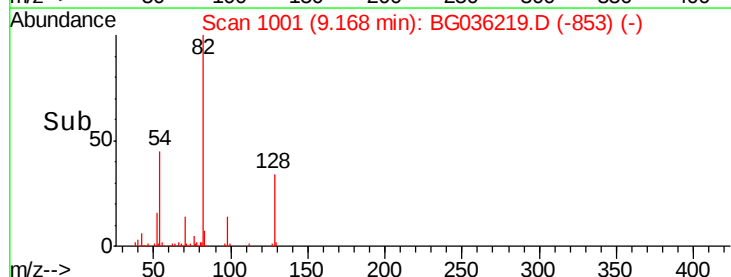
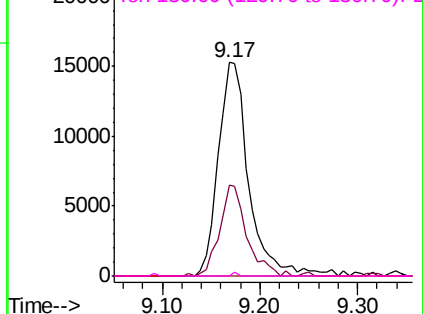
42 42.5 49.1 73.7#

101 0.0 8.5 12.7#

130 0.0 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

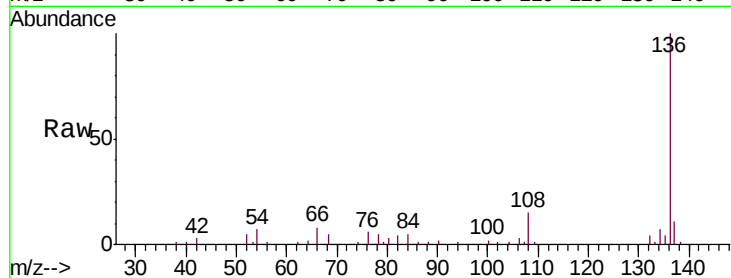




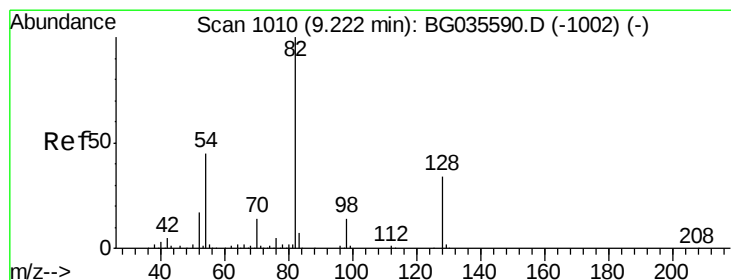
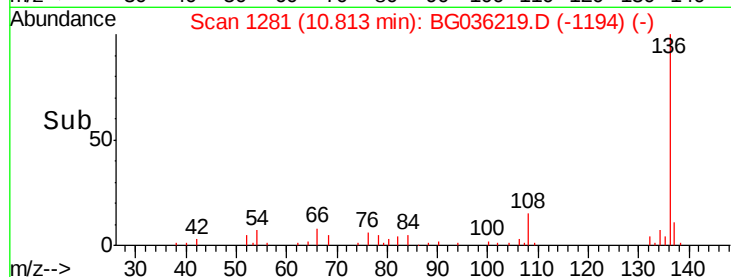
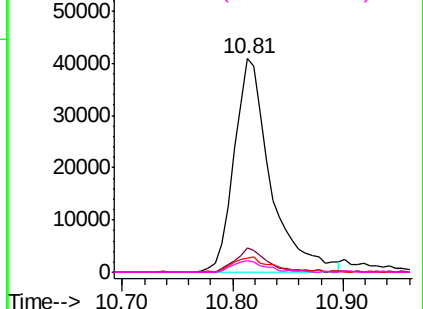
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036219.D
Acq: 9 Aug 2018 5:54

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

Tgt Ion:	136	Resp:	94439
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.7	10.3	15.5#
68	5.2	4.5	6.7

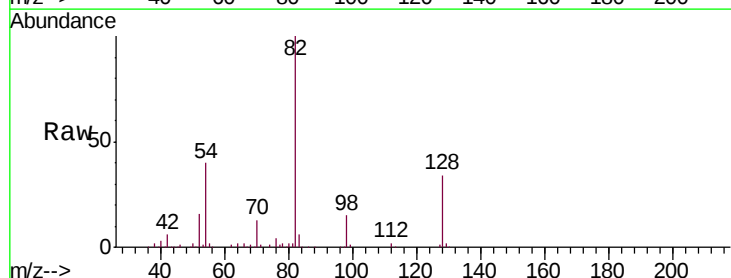


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

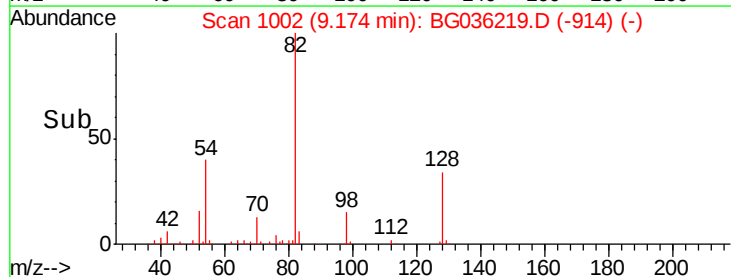
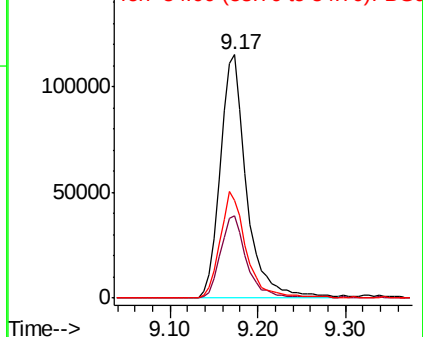


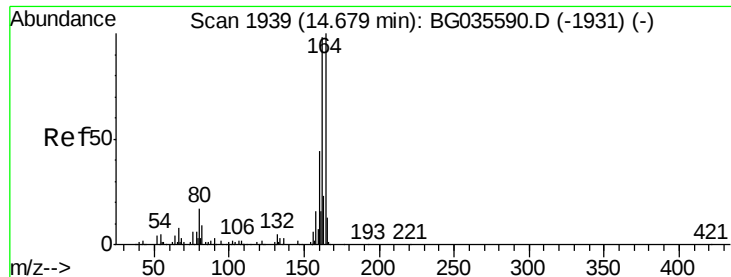
#23
Nitrobenzene-d5
Concen: 105.834 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036219.D
Acq: 9 Aug 2018 5:54

Tgt Ion:	82	Resp:	239257
Ion	Ratio	Lower	Upper
82	100		
128	33.9	29.7	44.5
54	40.1	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: BG036219.D

Acq: 9 Aug 2018 5:54

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-S

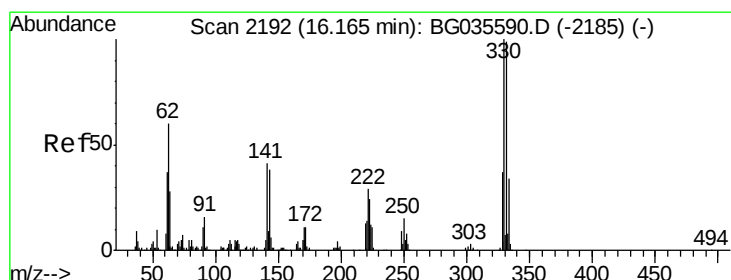
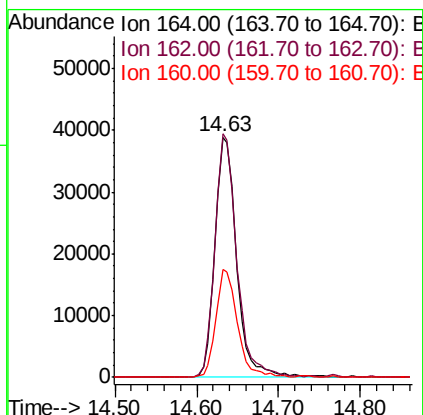
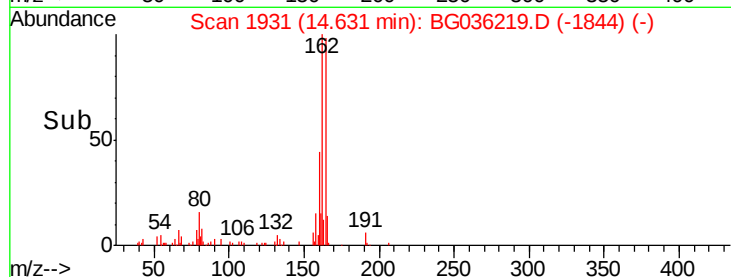
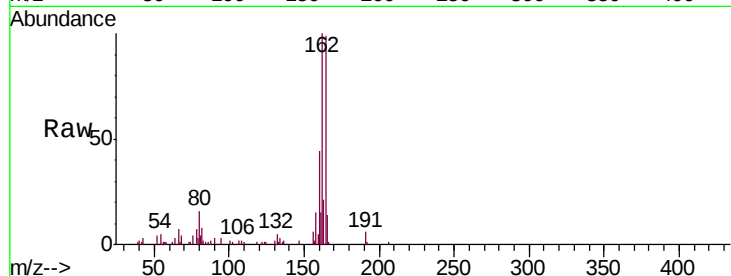
Tgt Ion:164 Resp: 71976

Ion	Ratio	Lower	Upper
164	100		
162	101.4	78.8	118.2
160	44.8	35.4	53.0

164 100

162 101.4 78.8 118.2

160 44.8 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 107.228 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

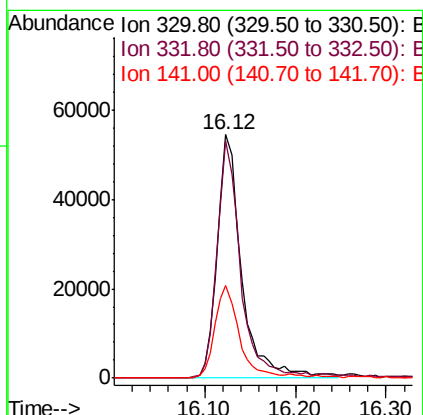
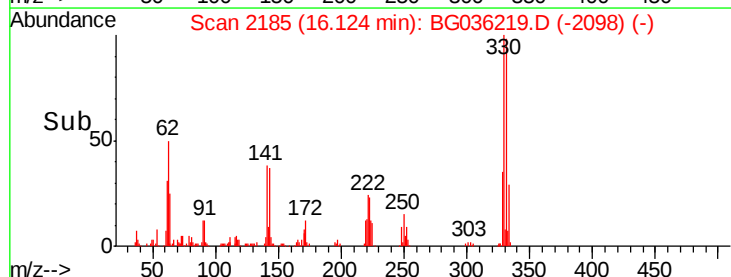
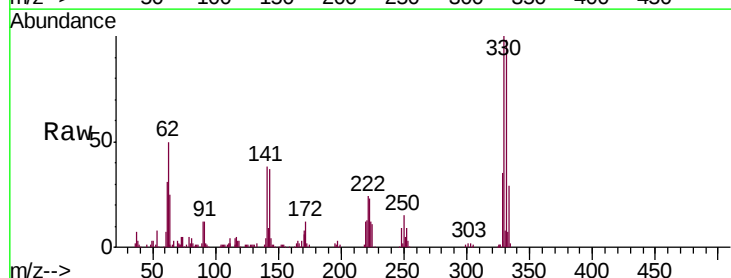
Tgt Ion:330 Resp: 101726

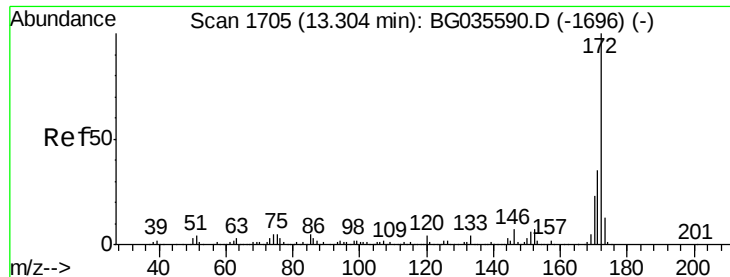
Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	37.4	25.2	37.8

330 100

332 93.8 77.0 115.6

141 37.4 25.2 37.8

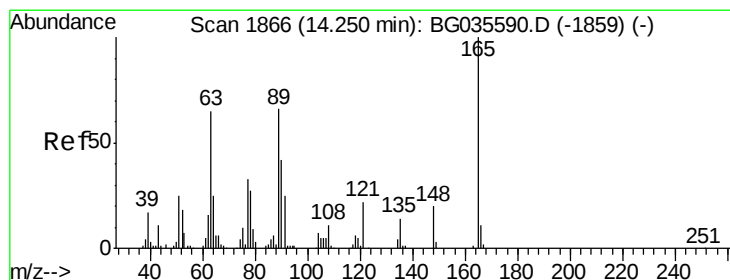
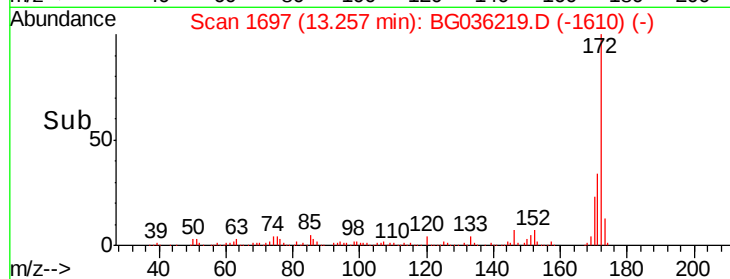
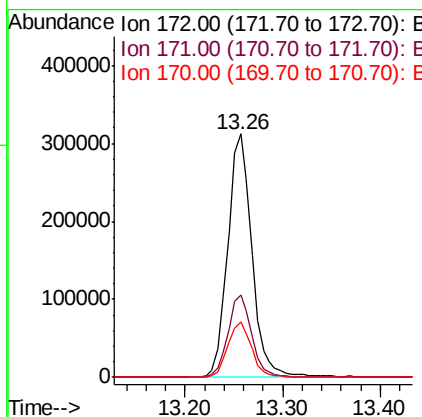
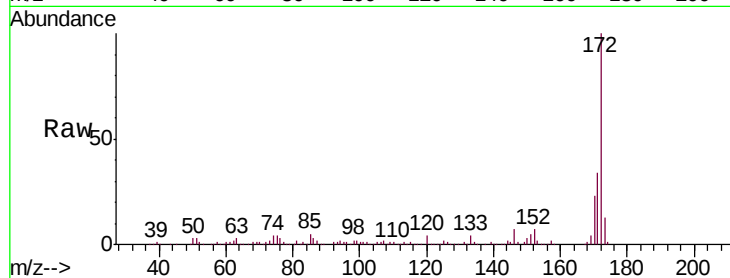




#44
 2-Fluorobiphenyl
 Concen: 99.873 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036219.D
 Acq: 9 Aug 2018 5:54

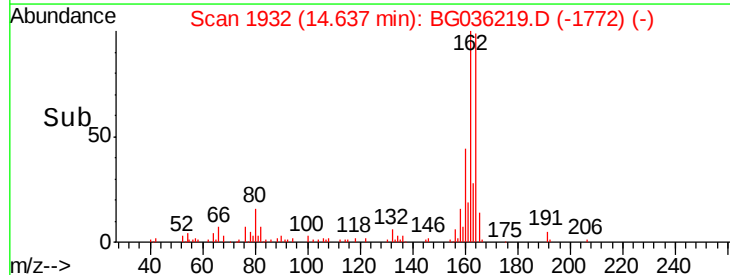
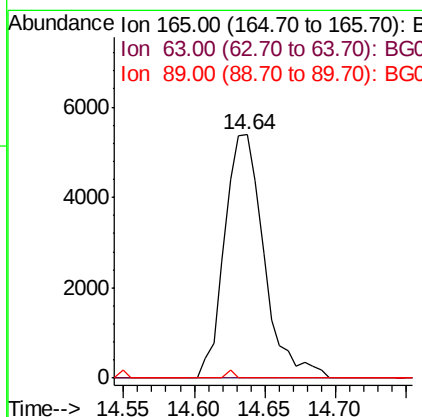
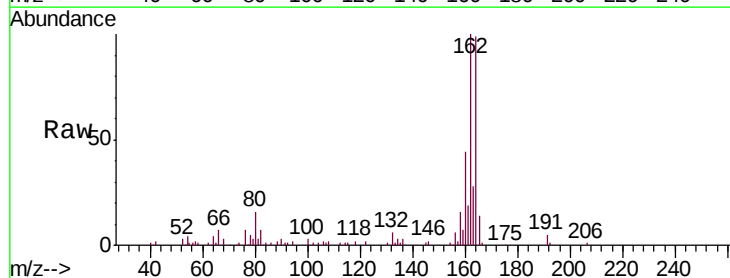
Instrument :
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 080218-DBRI-E-U-S

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.0	45.0
170	22.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.164 ng
 RT: 14.64 min Scan# 1932
 Delta R.T. 0.41 min
 Lab File: BG036219.D
 Acq: 9 Aug 2018 5:54

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

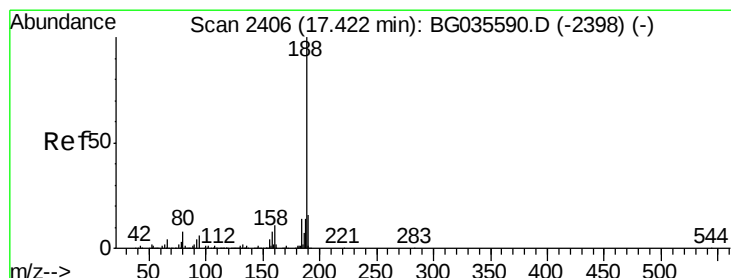
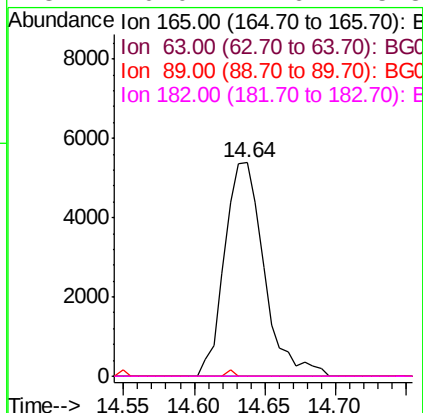
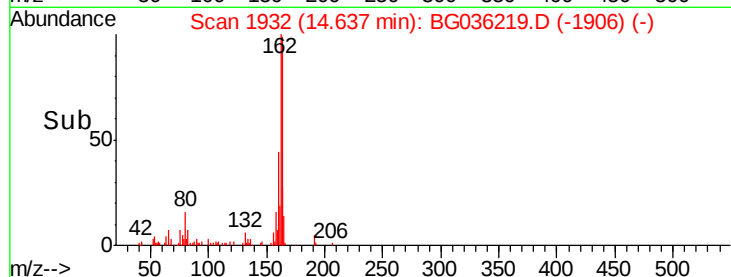
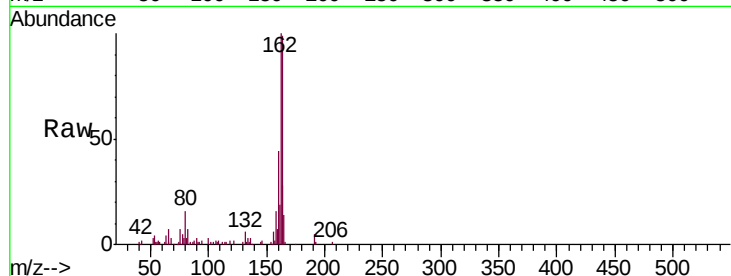




#56
2,4-Dinitrotoluene
Concen: 5.691 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.38 min
Lab File: BG036219.D
Acq: 9 Aug 2018 5:54

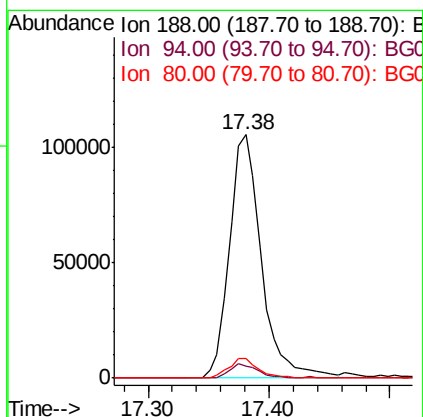
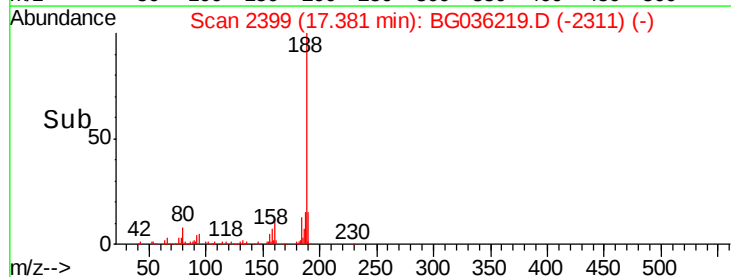
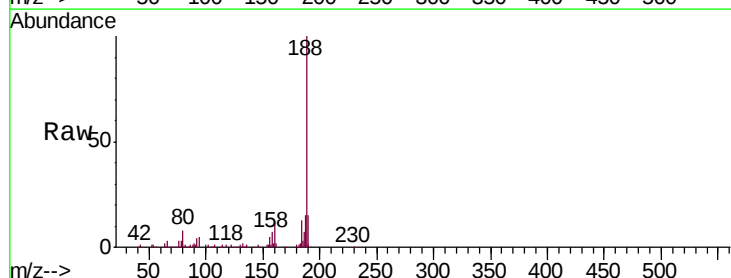
Instrument :
BNA_G
ClientSampleId :
080218-DBRI-E-U-S

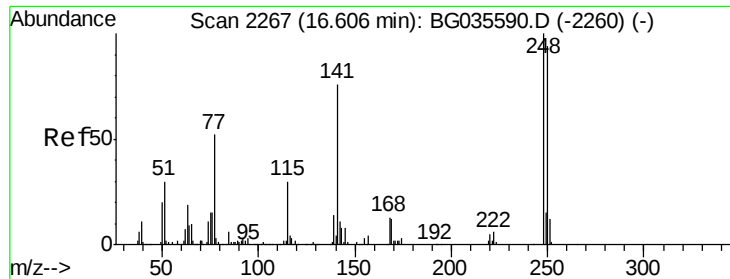
Tgt Ion:165 Resp: 10484
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG036219.D
Acq: 9 Aug 2018 5:54

Tgt Ion:188 Resp: 194722
Ion Ratio Lower Upper
188 100
94 4.9 6.9 10.3#
80 8.3 7.7 11.5





#66

4-Bromophenyl-phenylether

Concen: 3.859 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

Instrument :

BNA_G

ClientSampleId :

080218-DBRI-E-U-S

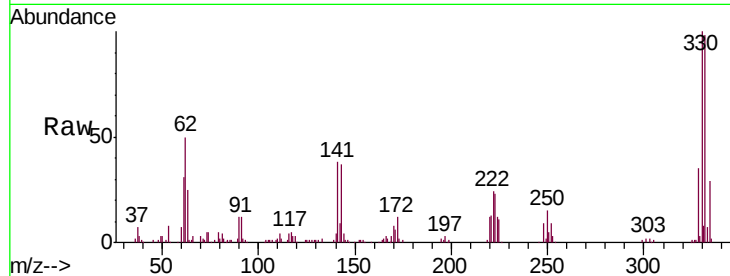
Tgt Ion:248 Resp: 8718

Ion Ratio Lower Upper

248 100

250 163.5 77.1 115.7#

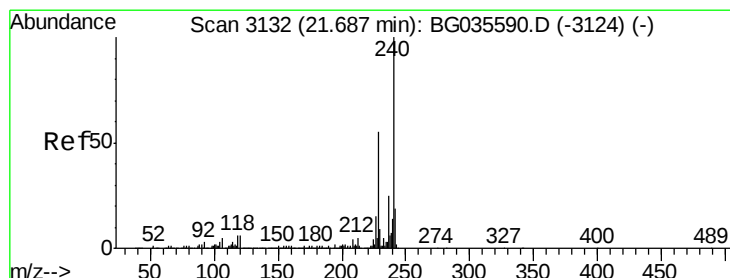
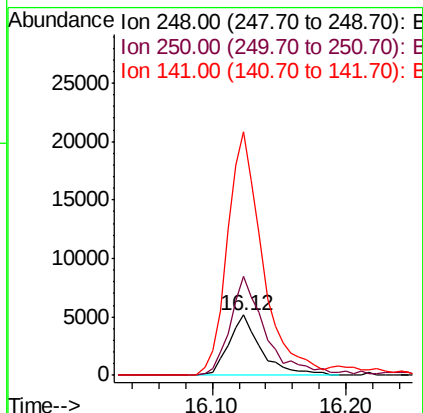
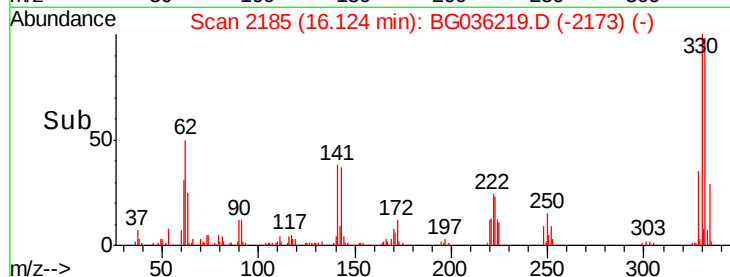
141 403.7 50.8 76.2#



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: 21.64 min Scan# 3124

Delta R.T. -0.02 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

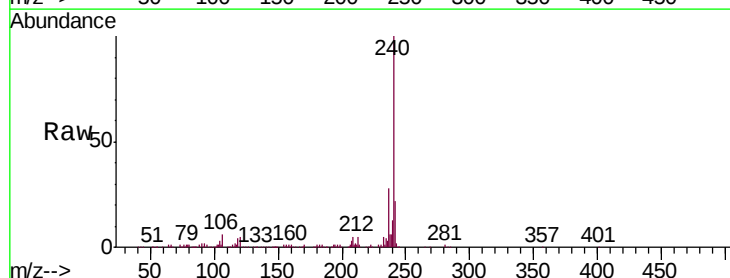
Tgt Ion:240 Resp: 210916

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

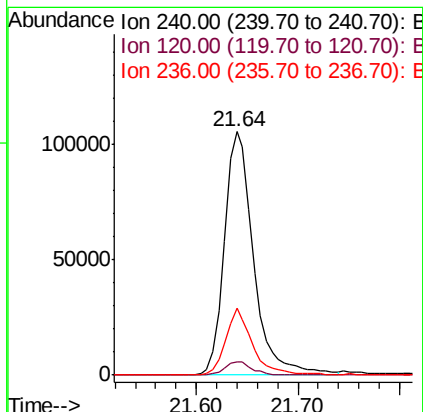
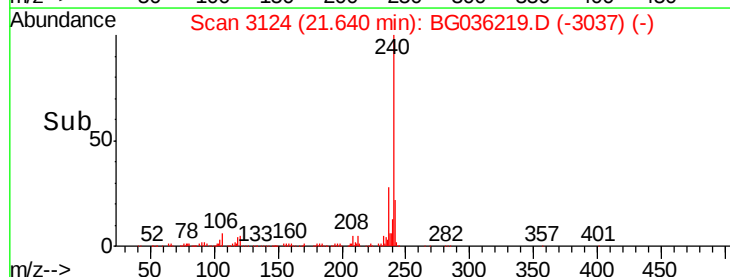
236 27.5 20.9 31.3



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: 3.220 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036219.D

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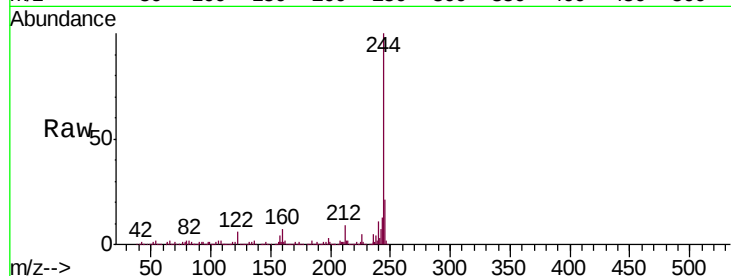
Tgt Ion:184 Resp: 17856

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

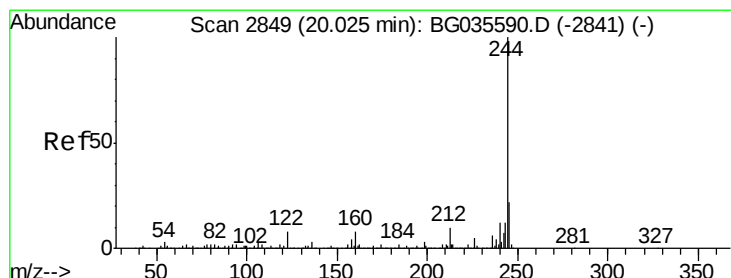
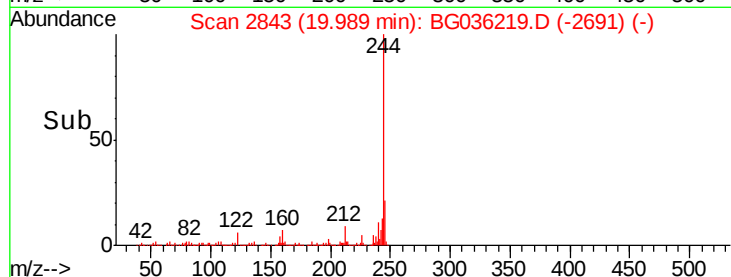
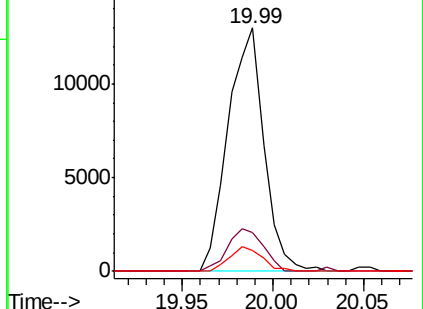
183 8.7 10.6 16.0#



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: 106.003 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036219.D

Acq: 9 Aug 2018 5:54

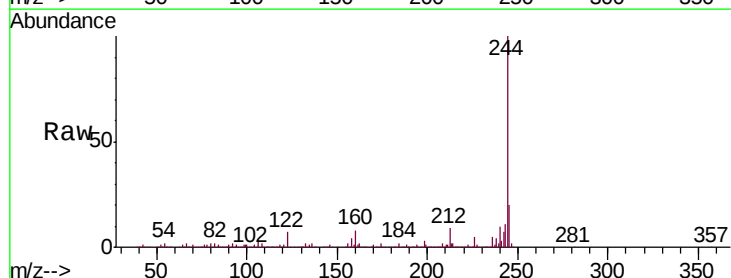
Tgt Ion:244 Resp: 1014275

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

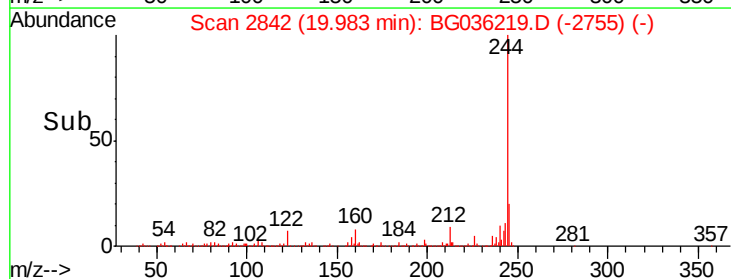
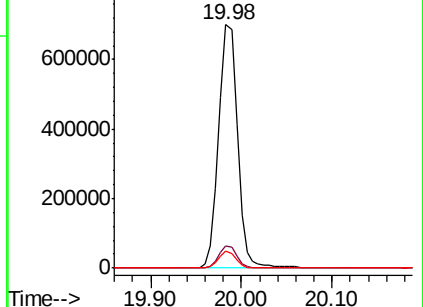
122 6.8 7.0 10.4#

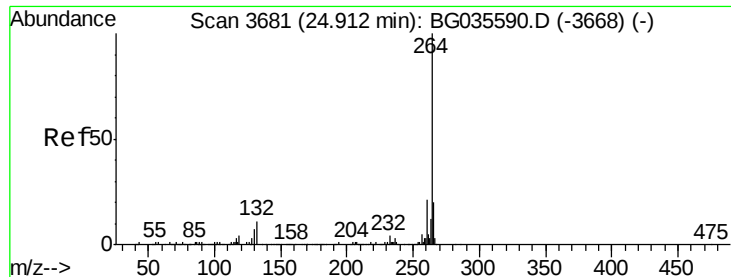


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

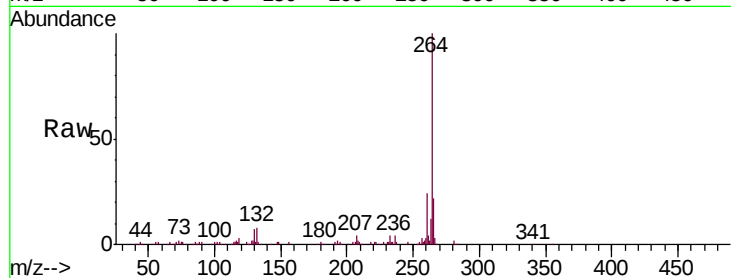




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3667
Delta R.T. -0.03 min
Lab File: BG036219.D
Acq: 9 Aug 2018 5:54

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

Tgt Ion:	264	Resp:	195983
Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.8	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

