

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
 Data File : BG037215.D
 Acq On : 6 Oct 2018 16:34
 Operator : JU/SJ
 Sample : J5264-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 100318-DBRI-E-U-S

Quant Time: Oct 08 04:48:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

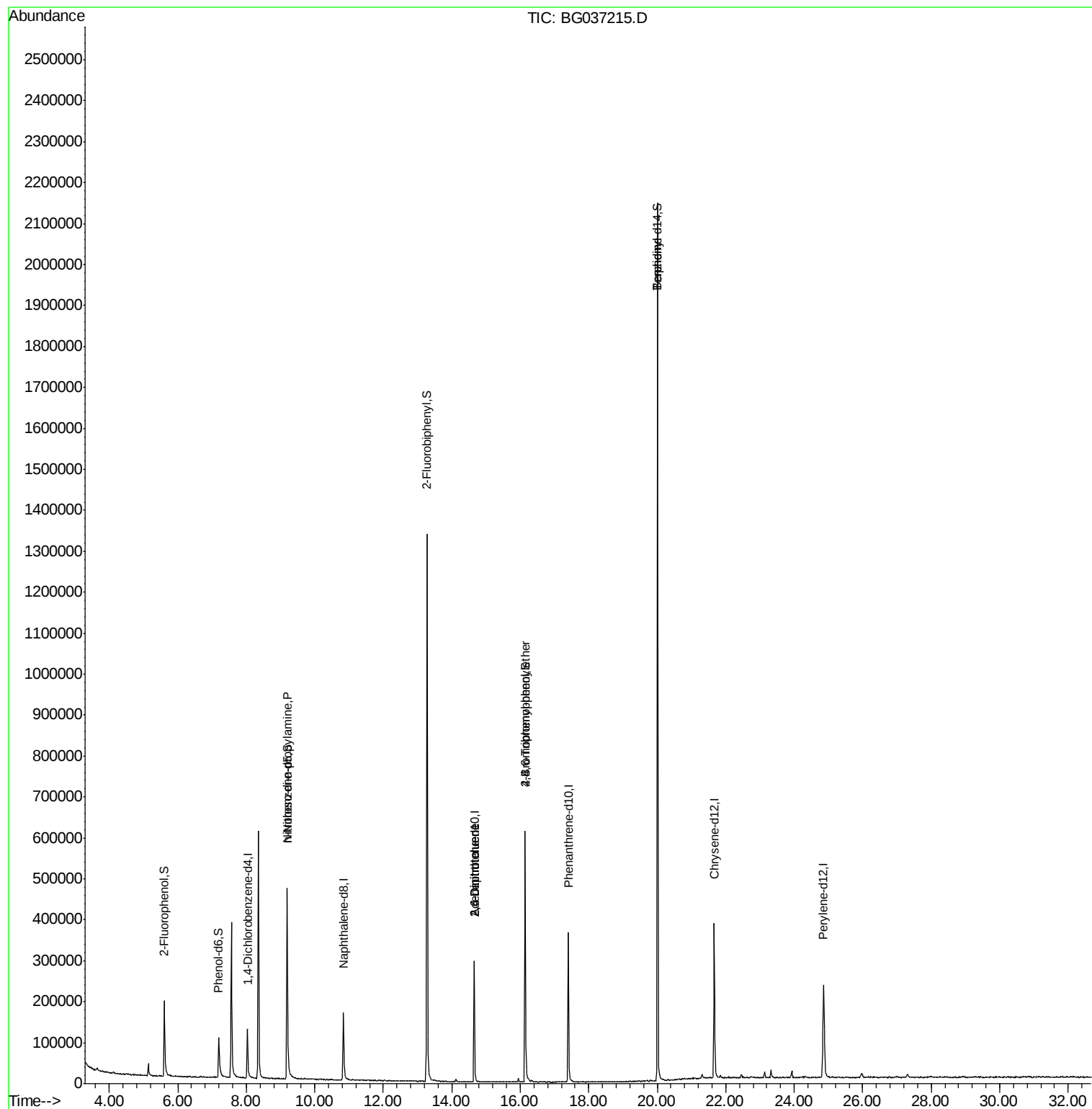
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42149	20.00	ng	-0.01
21) Naphthalene-d8	10.83	136	177496	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	112591	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	262348	20.00	ng	-0.02
75) Chrysene-d12	21.66	240	271945	20.00	ng	-0.03
86) Perylene-d12	24.86	264	255860	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	96169	43.76	ng	-0.01
7) Phenol-d6	7.20	99	82849	24.36	ng	-0.02
23) Nitrobenzene-d5	9.19	82	347096	104.72	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	125123	92.88	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	754143	99.76	ng	-0.02
78) Terphenyl-d14	20.00	244	1114684	107.78	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	46965	16.603	ng	# 69
50) 2,6-Dinitrotoluene	14.65	165	14642	7.405	ng	# 20
56) 2,4-Dinitrotoluene	14.65	165	14642	5.307	ng	# 18
66) 4-Bromophenyl-phenylether	16.14	248	9107	3.052	ng	# 1
76) Benzidine	20.00	184	19736	2.401	ng	# 94

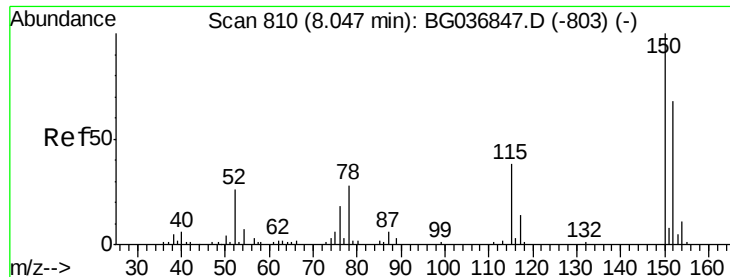
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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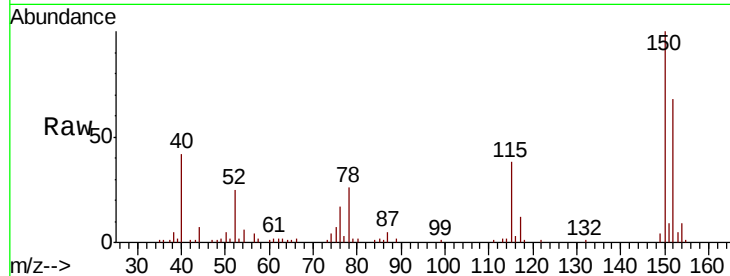


#1

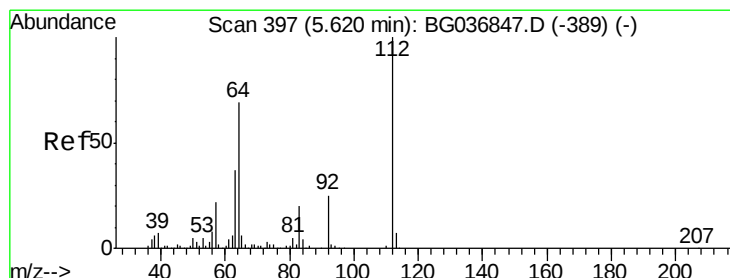
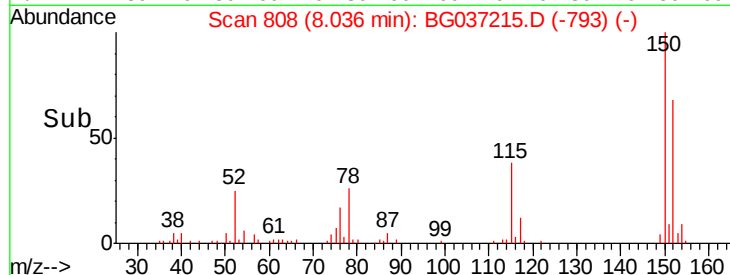
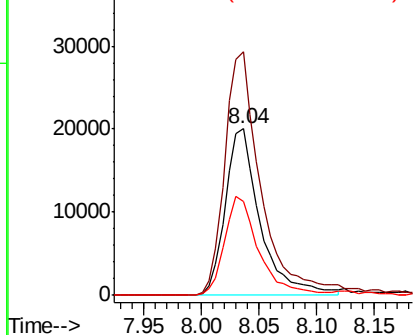
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Instrument :
BNA_G
ClientSampleId :
100318-DBRI-E-U-S

Tgt Ion:152 Resp: 42149
Ion Ratio Lower Upper
152 100
150 146.0 119.5 179.3
115 56.1 44.5 66.7



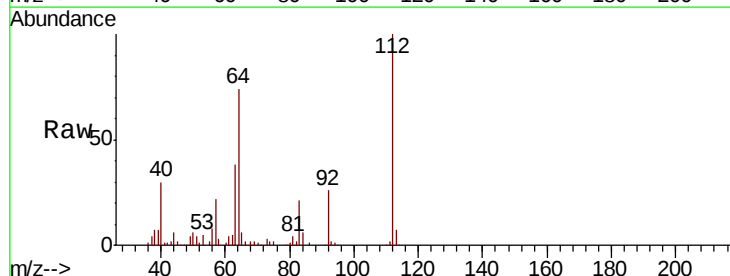
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



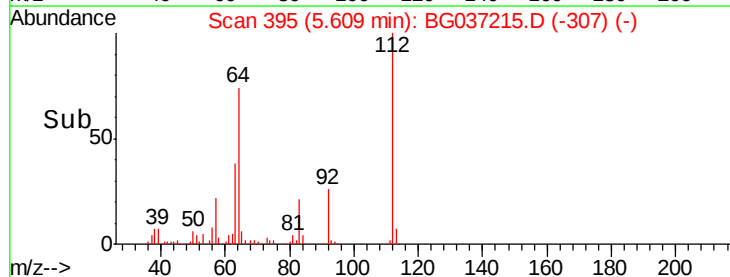
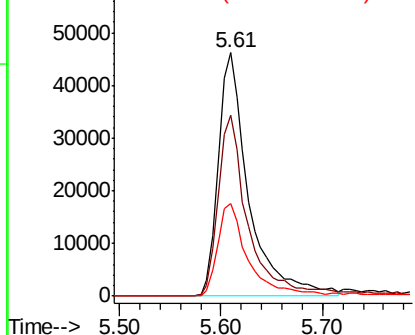
#5

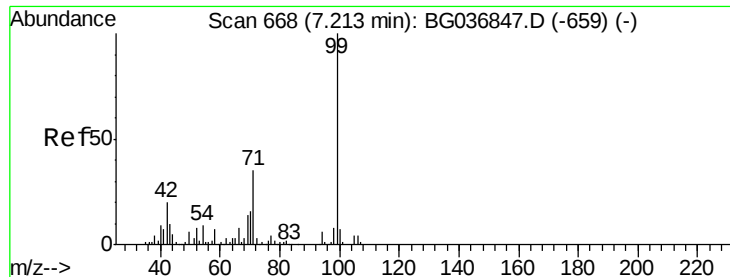
2-Fluorophenol
Concen: 43.757 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Tgt Ion:112 Resp: 96169
Ion Ratio Lower Upper
112 100
64 74.1 57.2 85.8
63 37.8 30.8 46.2



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: 24.365 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037215.D

Acq: 6 Oct 2018 16:34

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-U-S

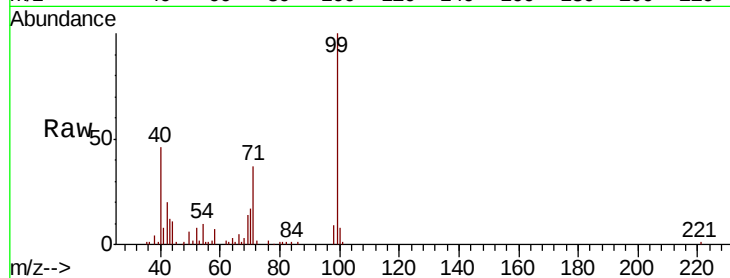
Tgt Ion: 99 Resp: 82849

Ion Ratio Lower Upper

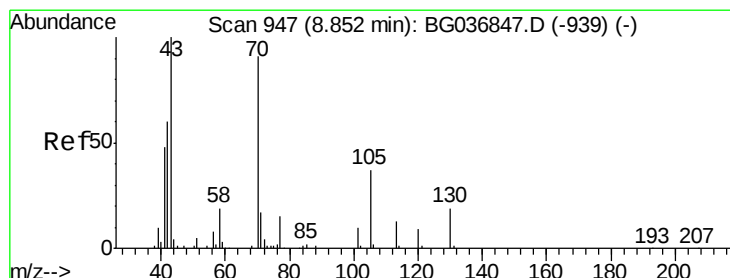
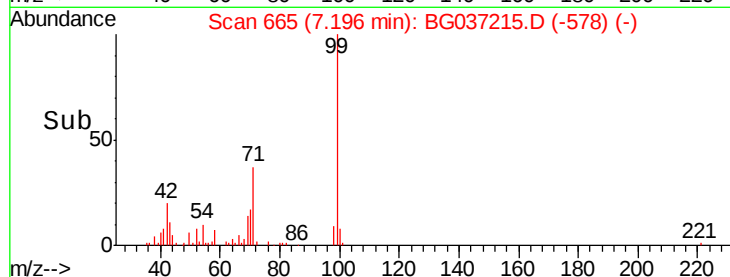
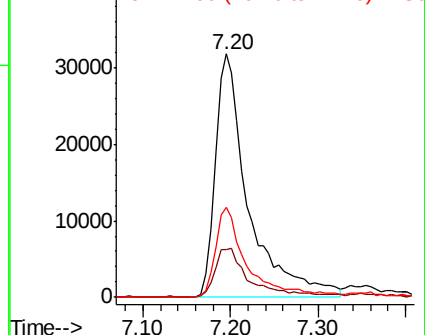
99 100

42 19.8 16.5 24.7

71 36.8 29.4 44.2



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: 16.603 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037215.D

Acq: 6 Oct 2018 16:34

Tgt Ion: 70 Resp: 46965

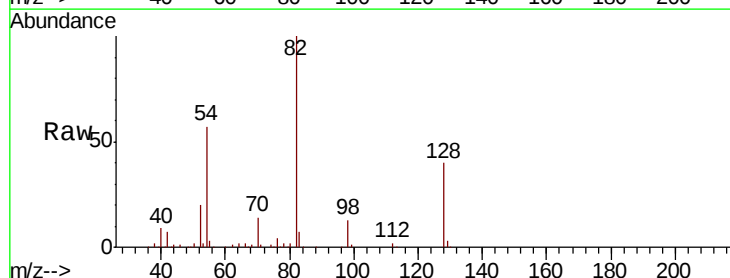
Ion Ratio Lower Upper

70 100

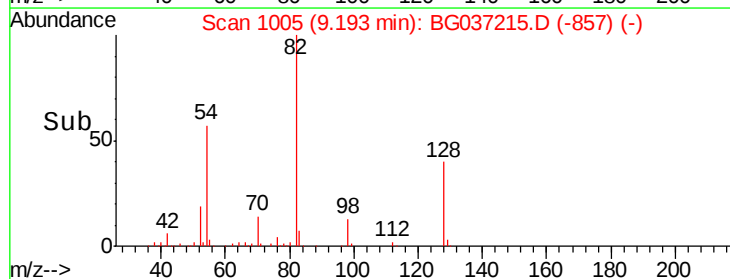
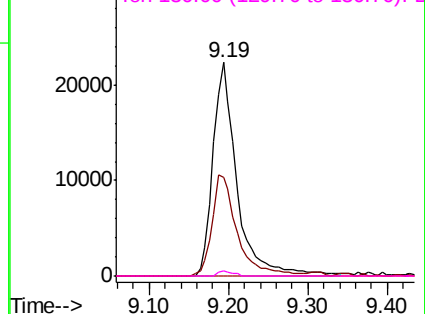
42 46.0 56.2 84.4#

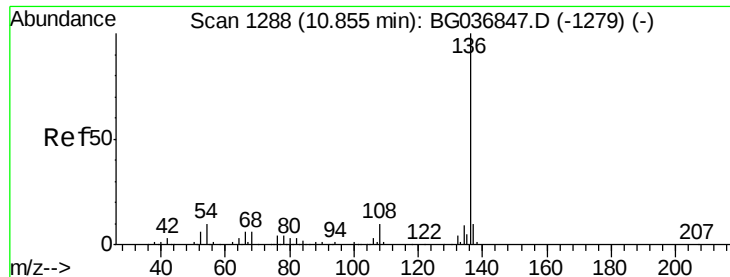
101 0.0 7.8 11.6#

130 2.2 16.2 24.2#



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

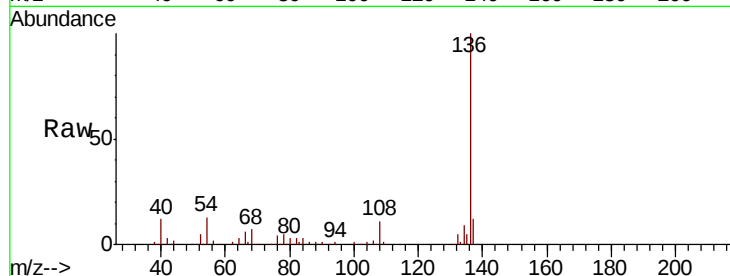




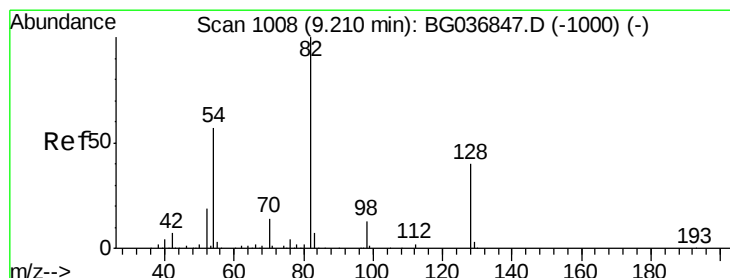
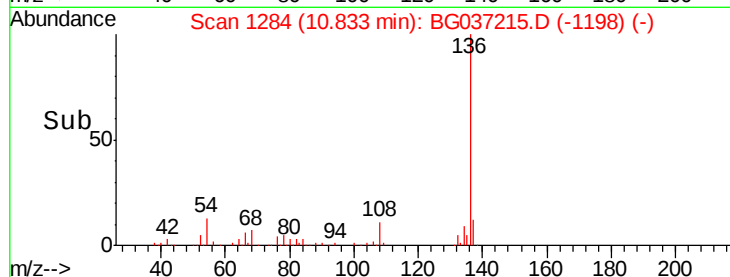
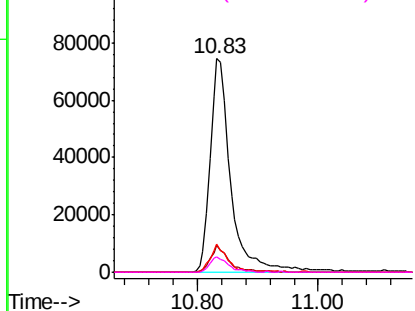
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Instrument :
BNA_G
ClientSampleId :
100318-DBRI-E-U-S

Tgt Ion:	136	Resp:	177496
Ion	Ratio	Lower	Upper
136	100		
137	12.4	8.8	13.2
54	12.9	9.2	13.8
68	7.2	5.8	8.6

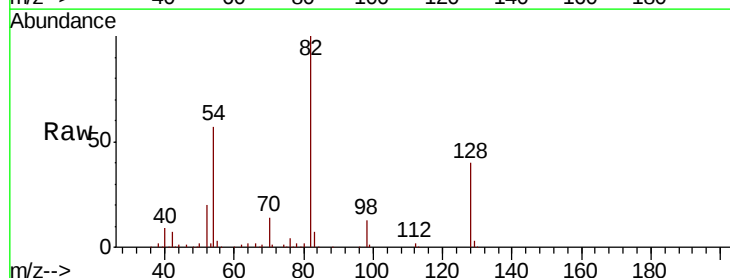


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

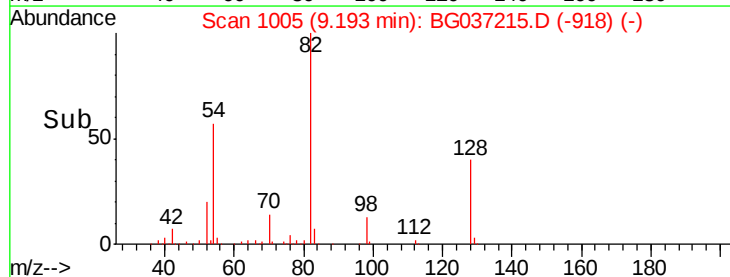
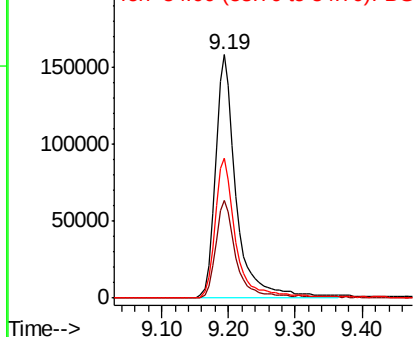


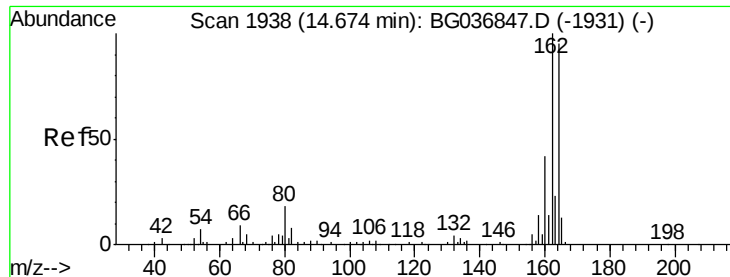
#23
Nitrobenzene-d5
Concen: 104.720 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Tgt Ion:	82	Resp:	347096
Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.3	49.9
54	57.3	45.1	67.7



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: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037215.D

Acq: 6 Oct 2018 16:34

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-U-S

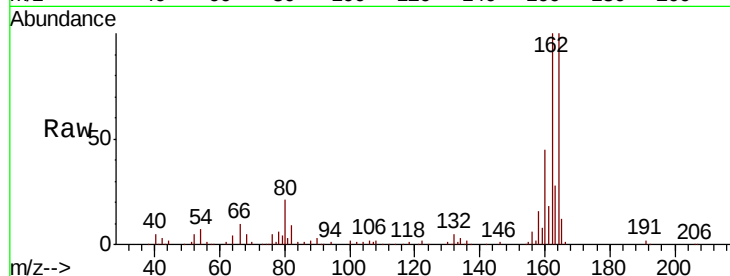
Tgt Ion:164 Resp: 112591

Ion Ratio Lower Upper

164 100

162 99.8 80.7 121.1

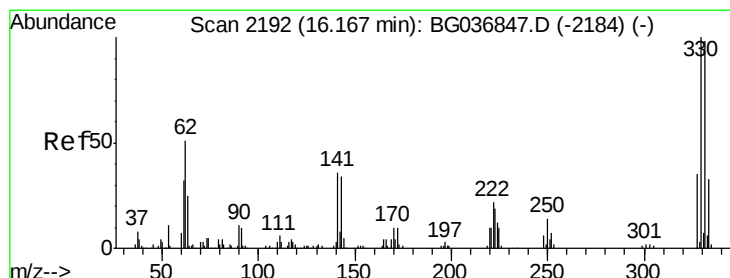
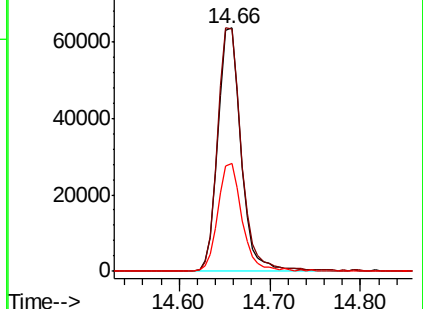
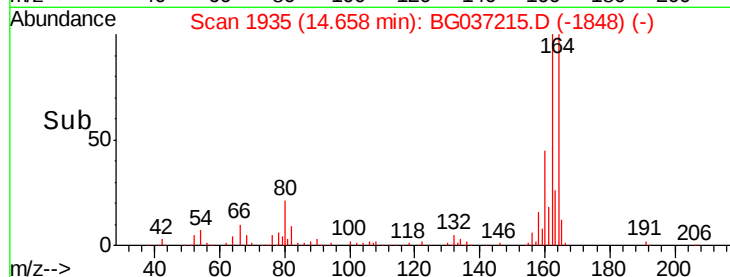
160 44.5 35.3 52.9



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: 92.884 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037215.D

Acq: 6 Oct 2018 16:34

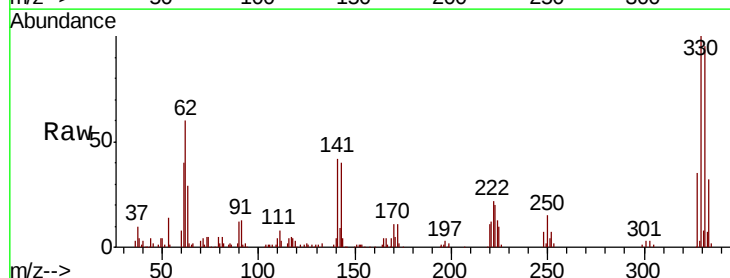
Tgt Ion:330 Resp: 125123

Ion Ratio Lower Upper

330 100

332 93.6 75.4 113.2

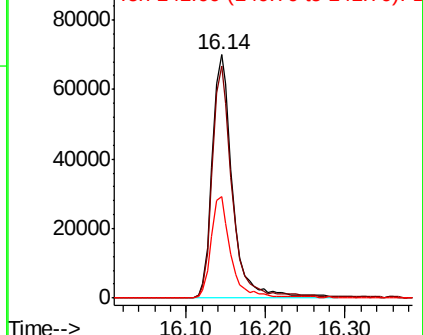
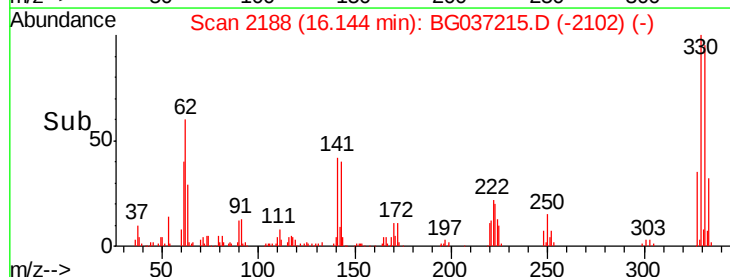
141 40.0 30.7 46.1

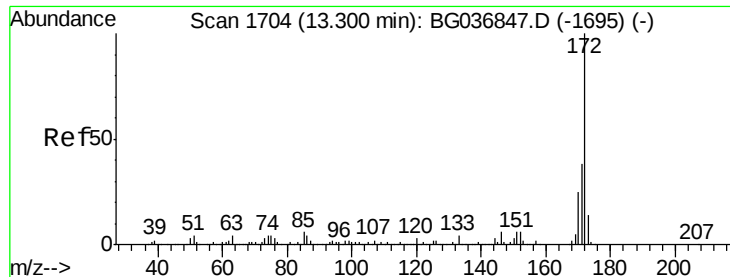


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

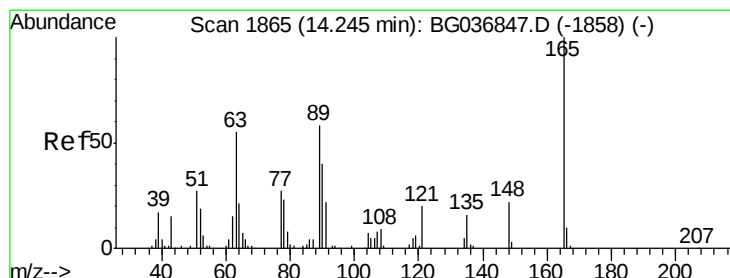
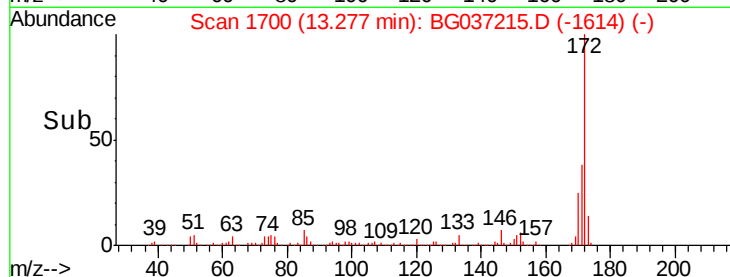
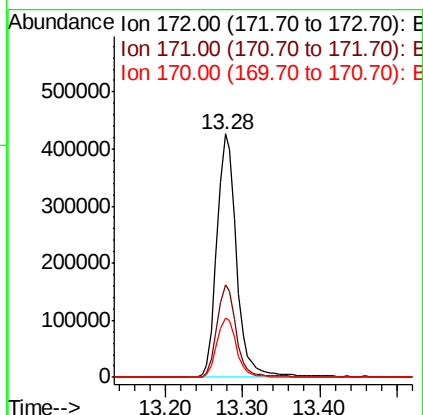
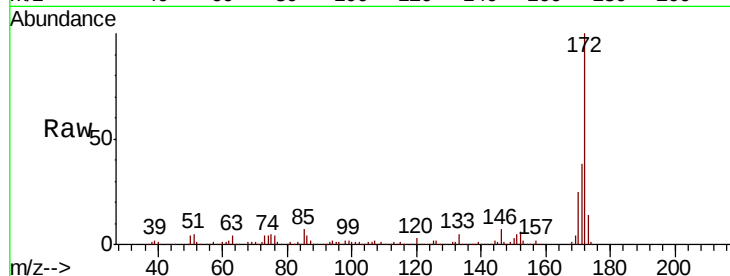




#44
 2-Fluorobiphenyl
 Concen: 99.760 ng
 RT: 13.28 min Scan# 1700
 Delta R.T. -0.02 min
 Lab File: BG037215.D
 Acq: 6 Oct 2018 16:34

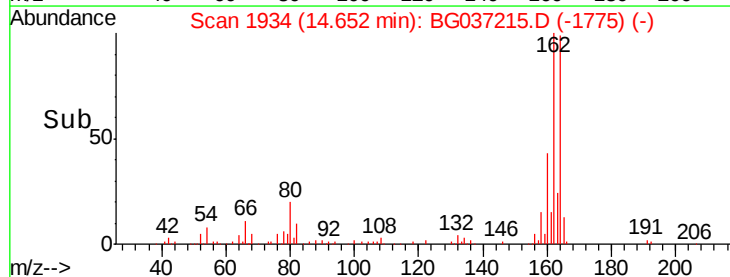
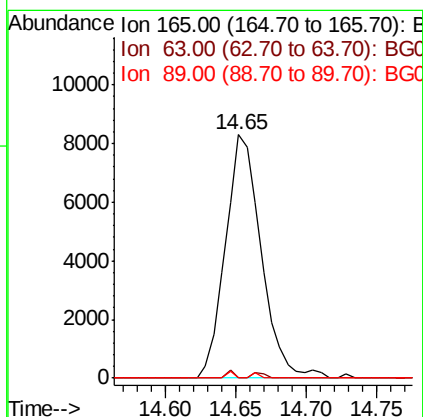
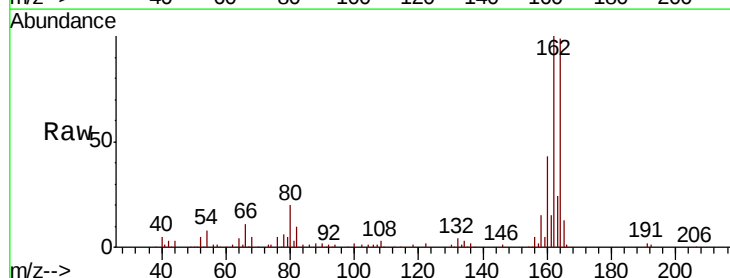
Instrument :
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 100318-DBRI-E-U-S

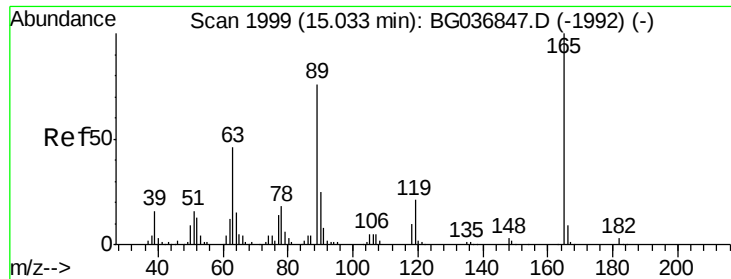
Tgt Ion:172 Resp: 754143
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 24.6 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.405 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.41 min
 Lab File: BG037215.D
 Acq: 6 Oct 2018 16:34

Tgt Ion:165 Resp: 14642
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

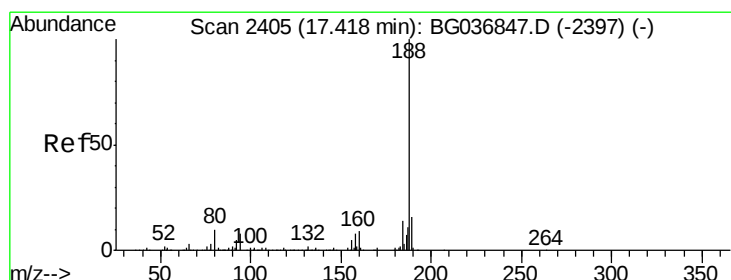
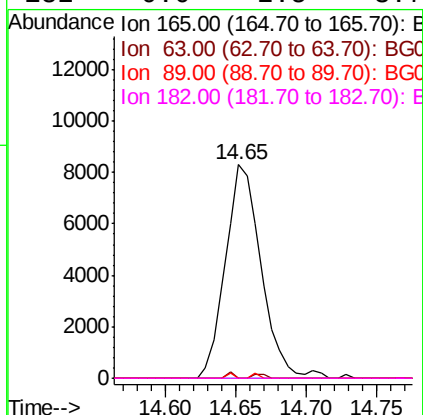
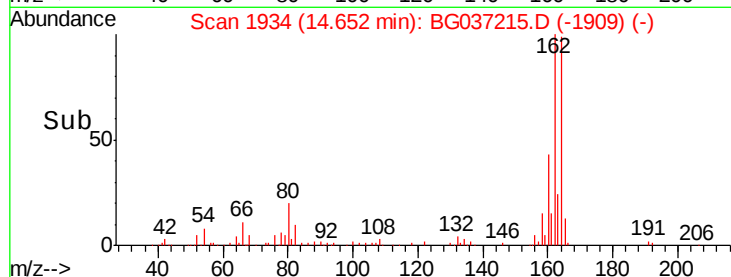
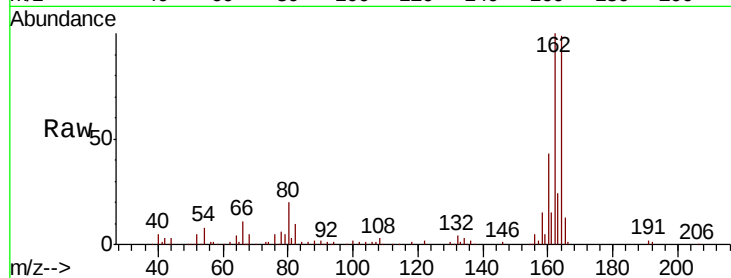




#56
2,4-Dinitrotoluene
Concen: 5.307 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.38 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

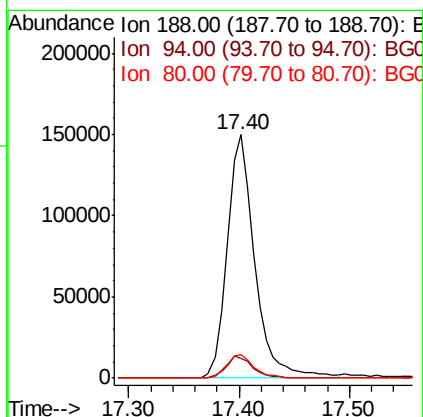
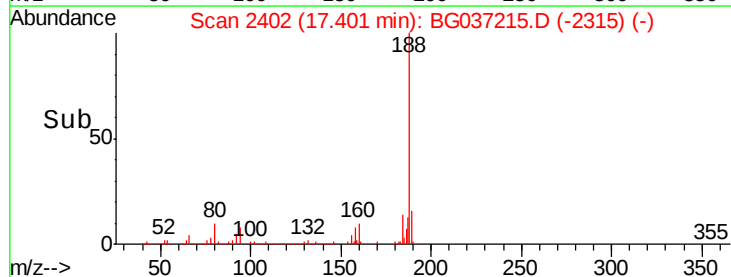
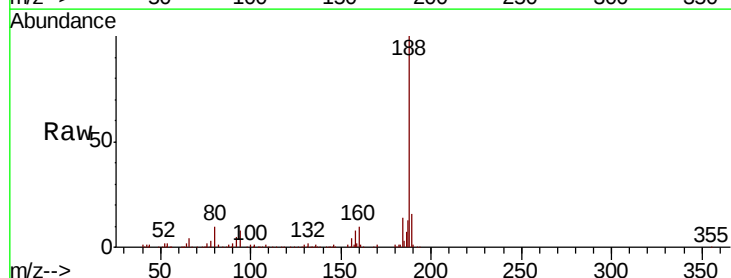
Instrument :
BNA_G
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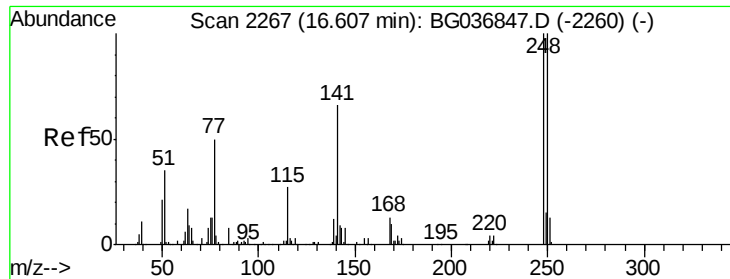
Tgt Ion:165 Resp: 14642
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 0.0 63.7 95.5#
182 0.0 2.5 3.7#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Tgt Ion:188 Resp: 262348
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 9.6 8.1 12.1

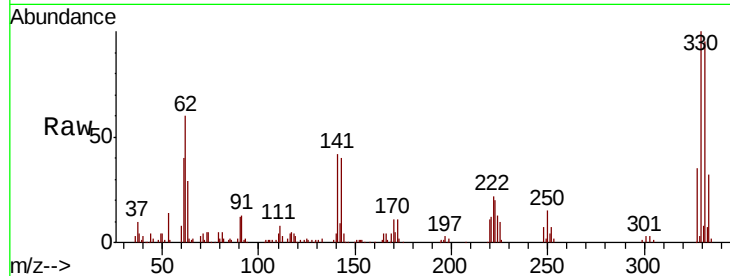




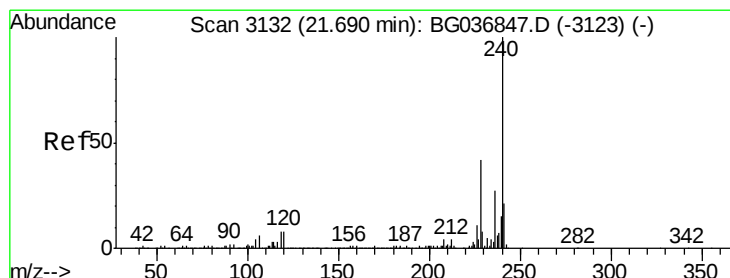
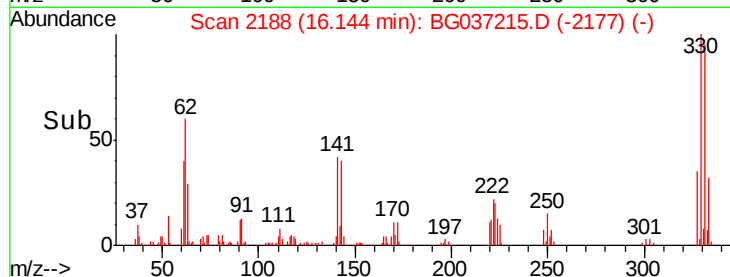
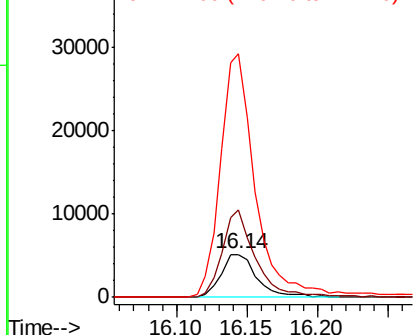
#66
 4-Bromophenyl-phenylether
 Concen: 3.052 ng
 RT: 16.14 min Scan# 2188
 Delta R.T. -0.46 min
 Lab File: BG037215.D
 Acq: 6 Oct 2018 16:34

Instrument :
 BNA_G
 ClientSampleId :
 100318-DBRI-E-U-S

Tgt Ion:248 Resp: 9107
 Ion Ratio Lower Upper
 248 100
 250 201.8 78.1 117.1#
 141 564.6 53.7 80.5#

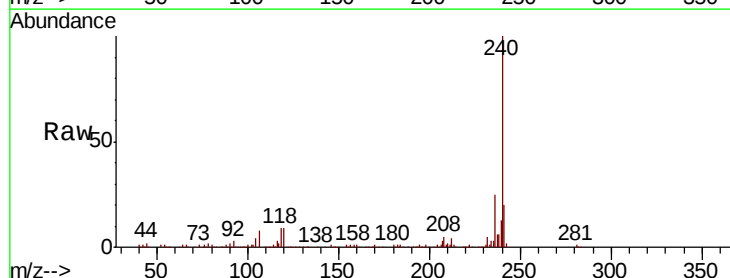


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

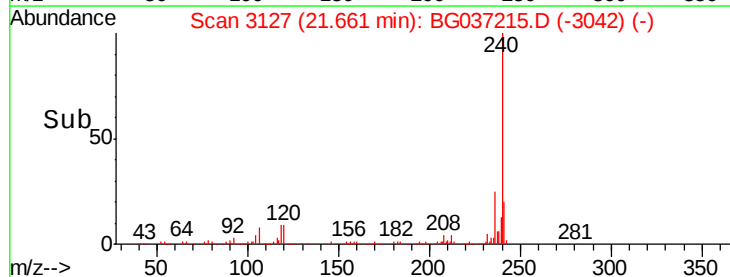
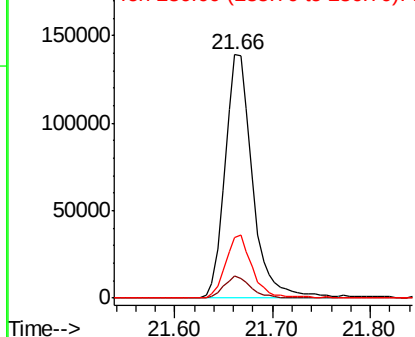


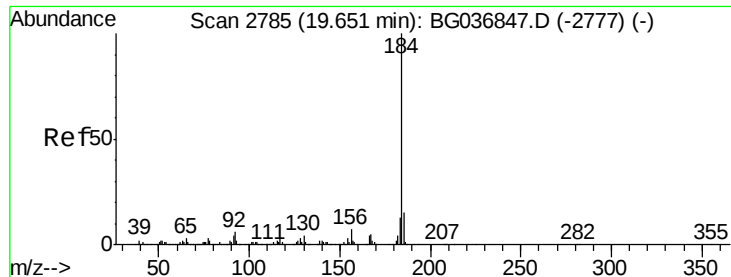
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.03 min
 Lab File: BG037215.D
 Acq: 6 Oct 2018 16:34

Tgt Ion:240 Resp: 271945
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.9 10.3
 236 24.7 21.2 31.8



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

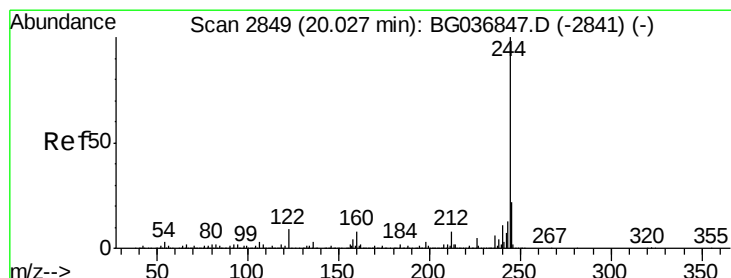
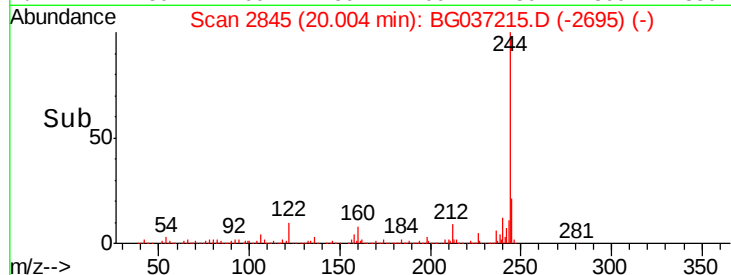
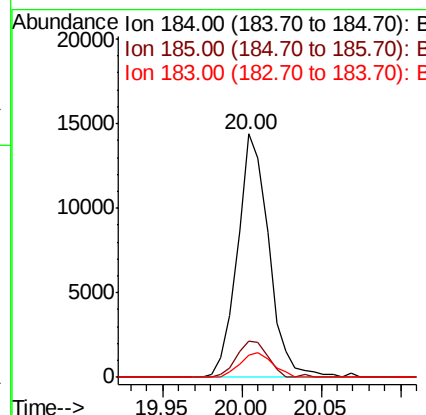
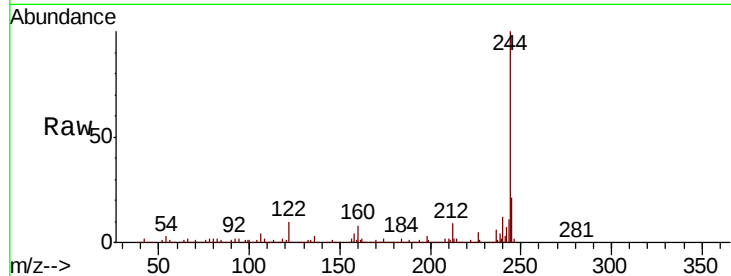




#76
Benzidine
Concen: 2.401 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.35 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

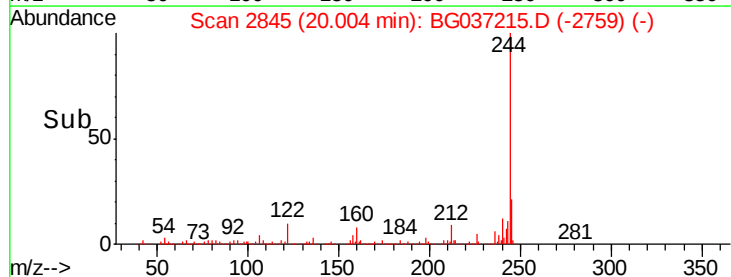
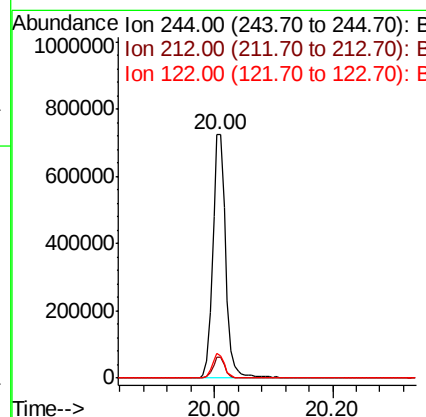
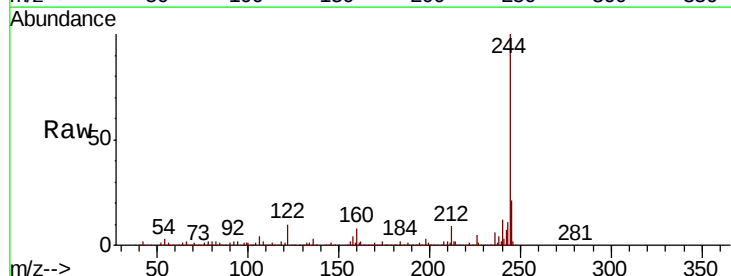
Instrument :
BNA_G
ClientSampleId :
100318-DBRI-E-U-S

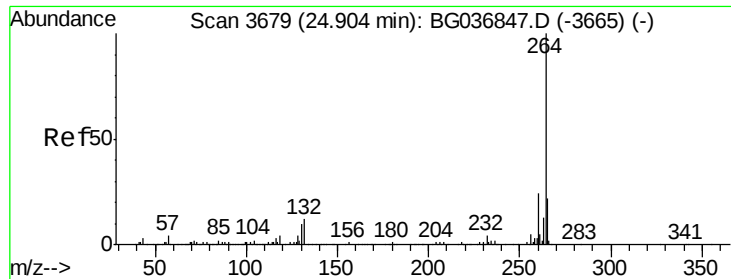
Tgt Ion:184 Resp: 19736
Ion Ratio Lower Upper
184 100
185 15.0 12.6 18.8
183 9.0 10.9 16.3#



#78
Terphenyl-d14
Concen: 107.781 ng
RT: 20.00 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Tgt Ion:244 Resp: 1114684
Ion Ratio Lower Upper
244 100
212 8.6 7.0 10.6
122 10.0 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3671
Delta R.T. -0.05 min
Lab File: BG037215.D
Acq: 6 Oct 2018 16:34

Instrument :
BNA_G
ClientSampleId :
100318-DBRI-E-U-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.6	29.4
265	21.2	17.4	26.0

