

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100618\
 Data File : BG037220.D
 Acq On : 6 Oct 2018 19:50
 Operator : JU/SJ
 Sample : J5264-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 100318-DBRI-E-D-B

Quant Time: Oct 08 04:49:37 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

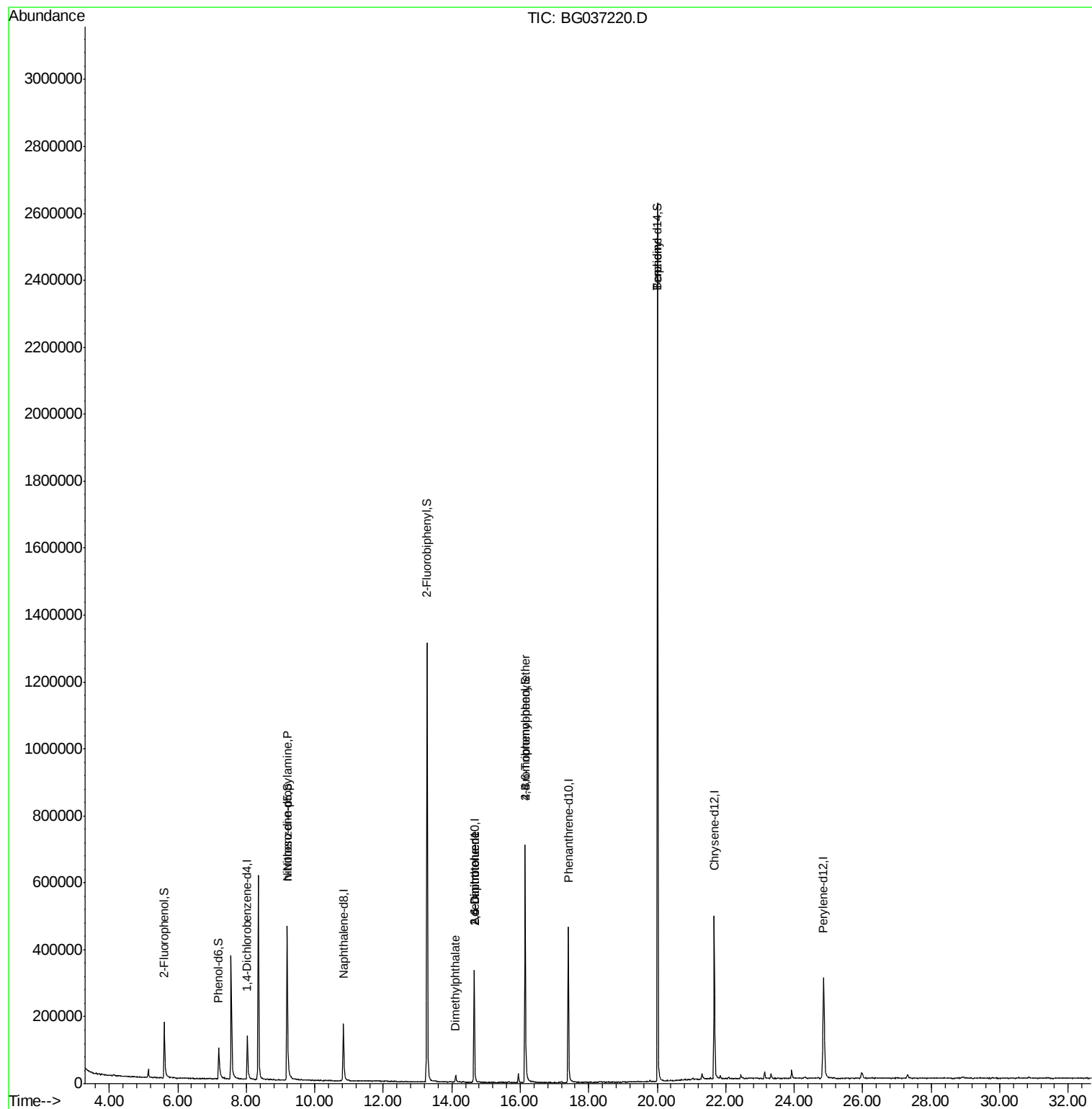
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44193	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	187932	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	121969	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	320359	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	334788	20.00	ng	-0.02
86) Perylene-d12	24.86	264	327350	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	93406	40.53	ng	-0.01
7) Phenol-d6	7.19	99	76707	21.52	ng	-0.02
23) Nitrobenzene-d5	9.19	82	348503	99.31	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	141087	96.68	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	761061	92.93	ng	-0.02
78) Terphenyl-d14	20.01	244	1267071	99.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	45180	15.233	ng	Qvalue # 74
49) Dimethylphthalate	14.11	163	21936	2.234	ng	# 98
50) 2,6-Dinitrotoluene	14.66	165	15543	7.256	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	15543	5.200	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	9844	2.701	ng	# 1
76) Benzidine	20.01	184	22915	2.264	ng	# 92

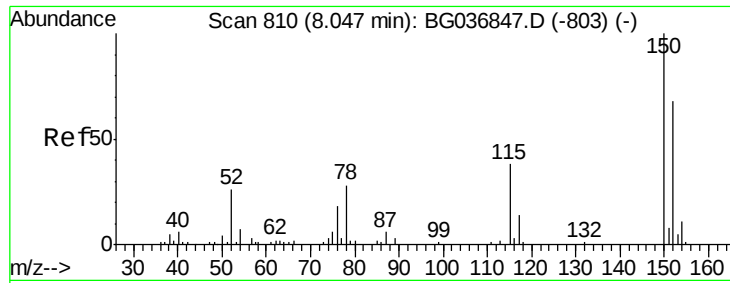
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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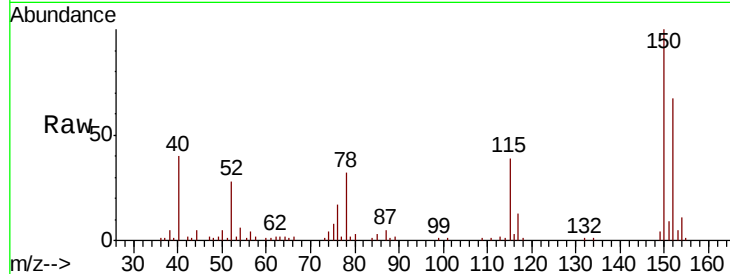


#1

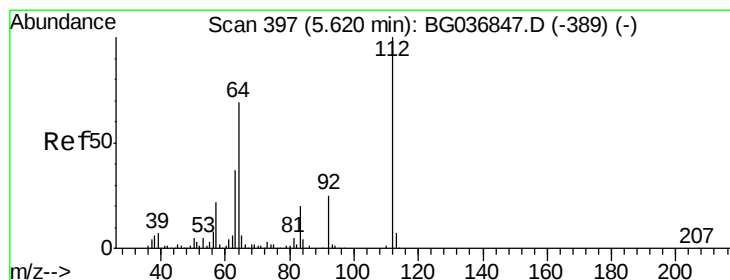
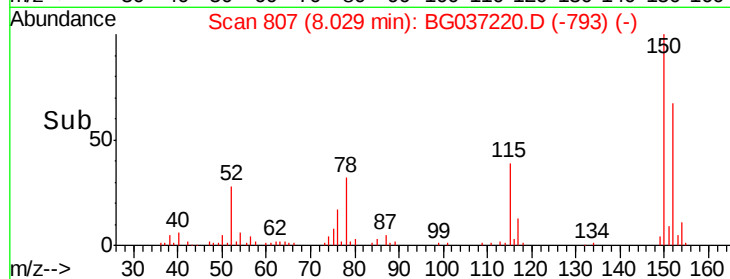
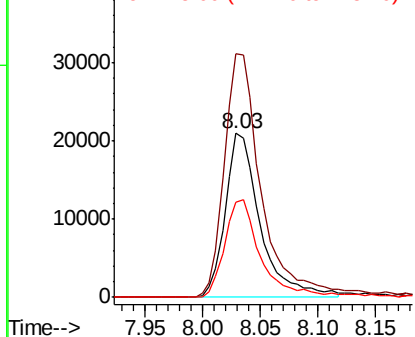
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 807
Delta R.T. -0.02 min
Lab File: BG037220.D
Acq: 6 Oct 2018 19:50

Instrument :
BNA_G
ClientSampleId :
100318-DBRI-E-D-B

Tgt Ion:152 Resp: 44193
Ion Ratio Lower Upper
152 100
150 148.4 119.5 179.3
115 58.3 44.5 66.7



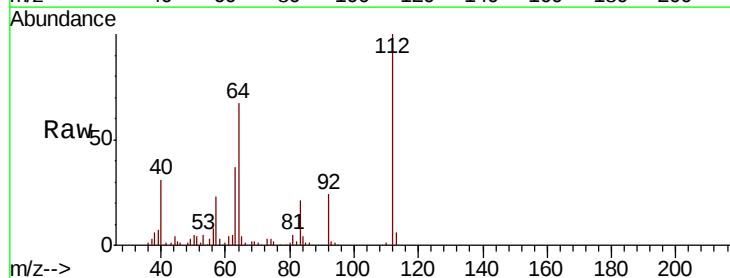
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



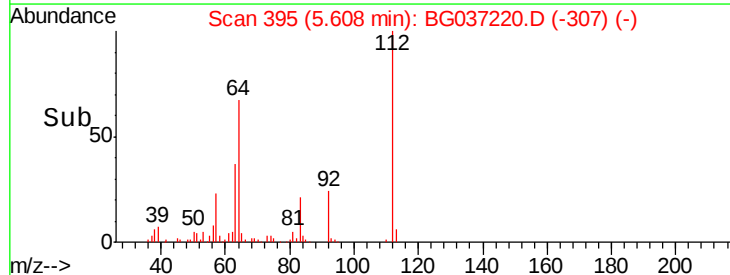
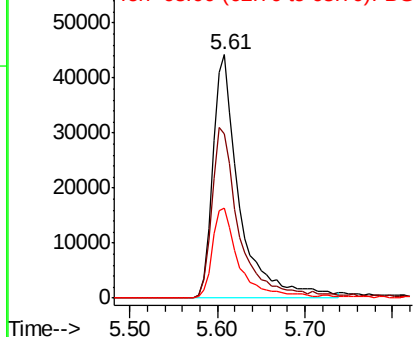
#5

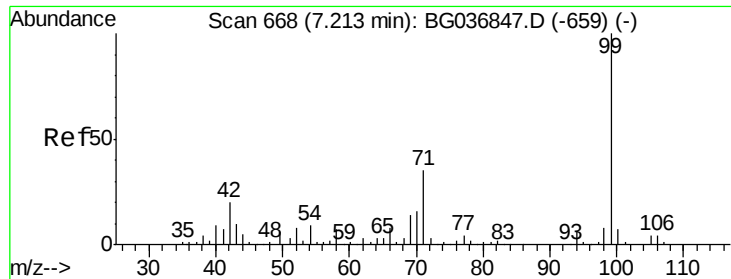
2-Fluorophenol
Concen: 40.534 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG037220.D
Acq: 6 Oct 2018 19:50

Tgt Ion:112 Resp: 93406
Ion Ratio Lower Upper
112 100
64 67.4 57.2 85.8
63 37.0 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: 21.515 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-D-B

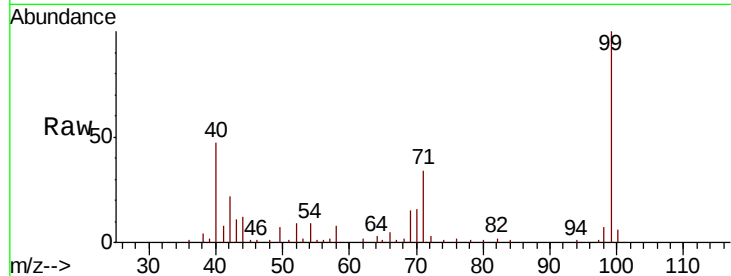
Tgt Ion: 99 Resp: 76707

Ion Ratio Lower Upper

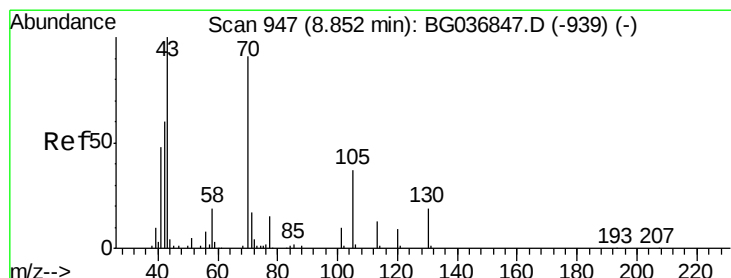
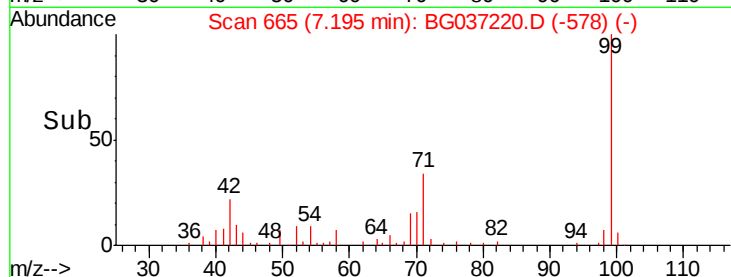
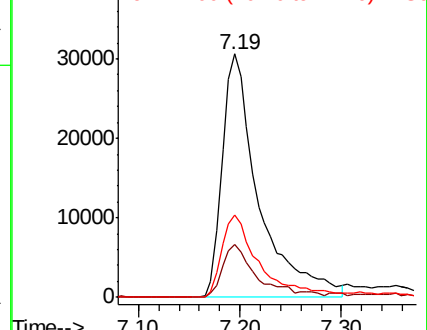
99 100

42 21.8 16.5 24.7

71 33.7 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: 15.233 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Tgt Ion: 70 Resp: 45180

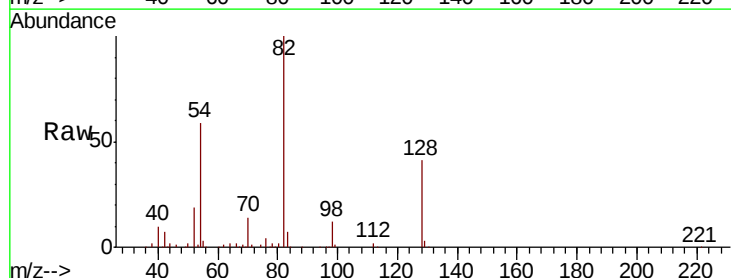
Ion Ratio Lower Upper

70 100

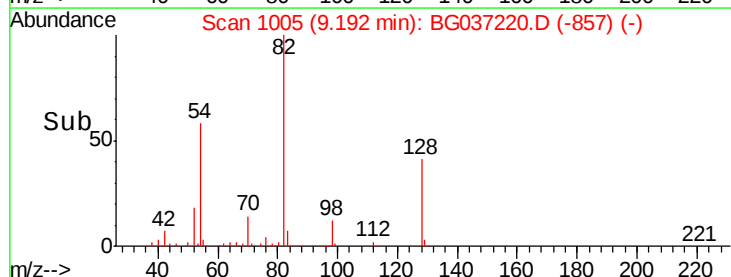
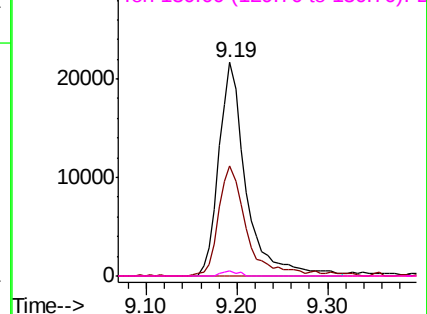
42 51.7 56.2 84.4#

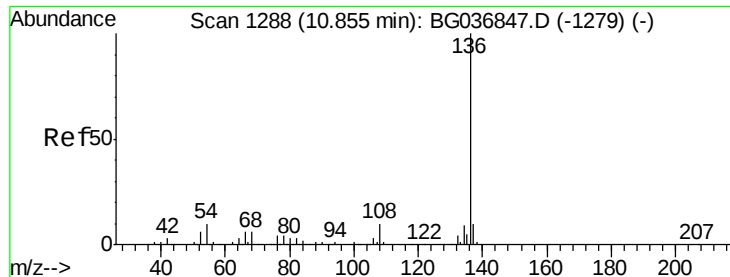
101 0.0 7.8 11.6#

130 2.4 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: 10.84 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-D-B

Tgt Ion: 136 Resp: 187932

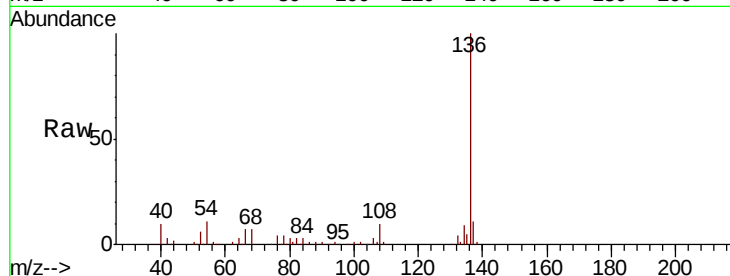
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 11.0 9.2 13.8

68 6.8 5.8 8.6

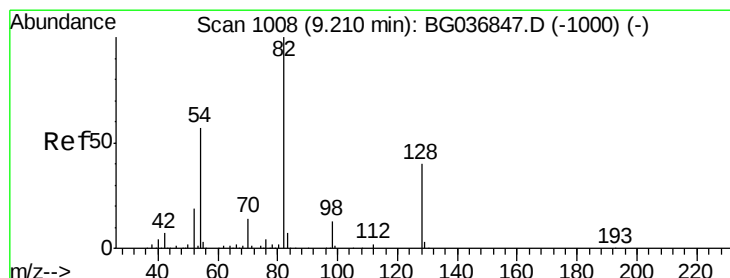
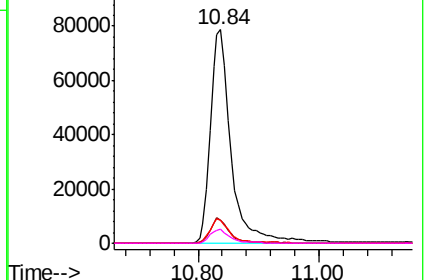
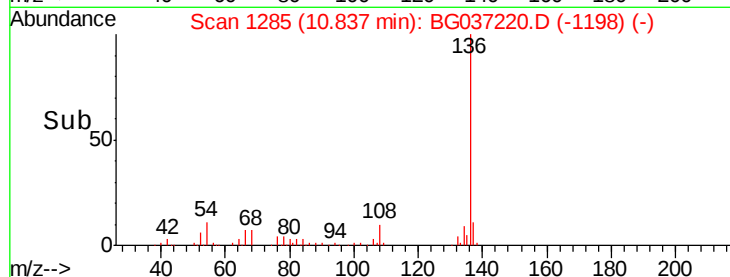


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.306 ng

RT: 9.19 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

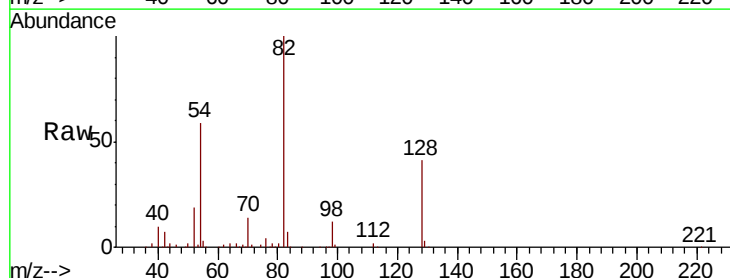
Tgt Ion: 82 Resp: 348503

Ion Ratio Lower Upper

82 100

128 40.5 33.3 49.9

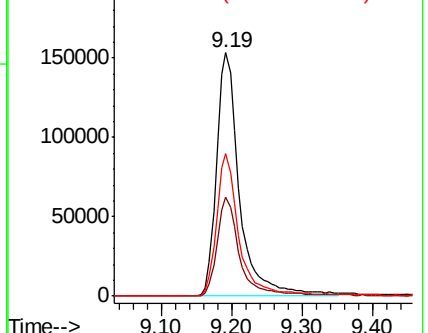
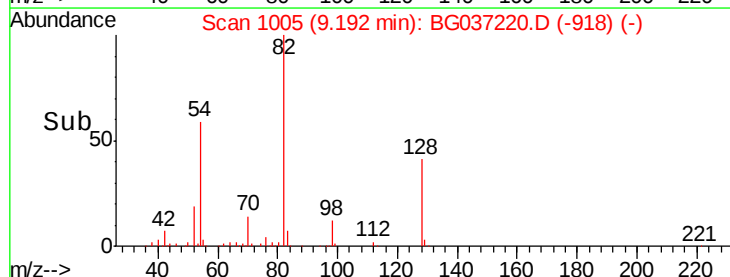
54 58.7 45.1 67.7

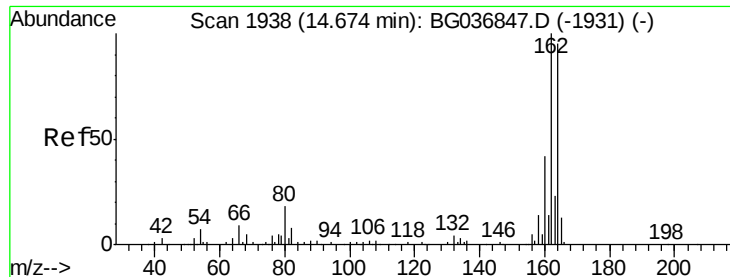


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-D-B

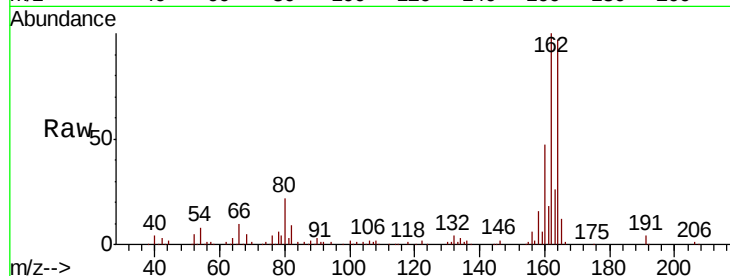
Tgt Ion:164 Resp: 121969

Ion Ratio Lower Upper

164 100

162 102.9 80.7 121.1

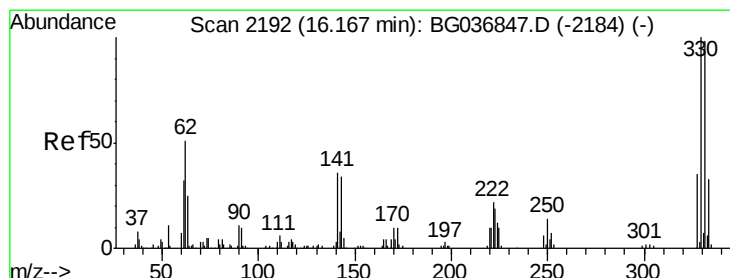
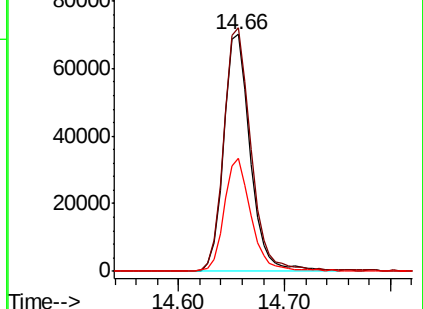
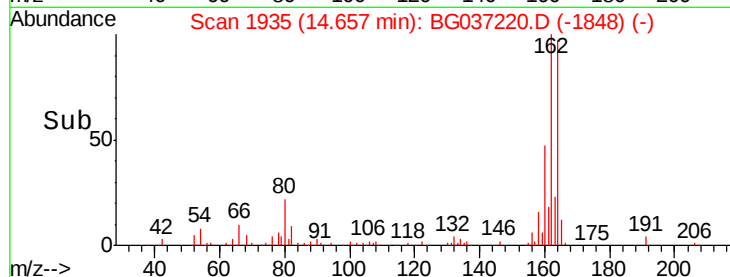
160 47.9 35.3 52.9



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: 96.682 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

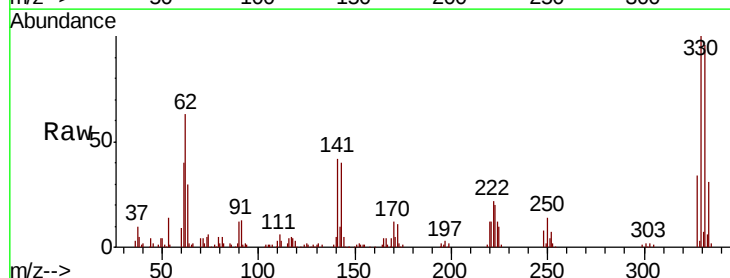
Tgt Ion:330 Resp: 141087

Ion Ratio Lower Upper

330 100

332 93.2 75.4 113.2

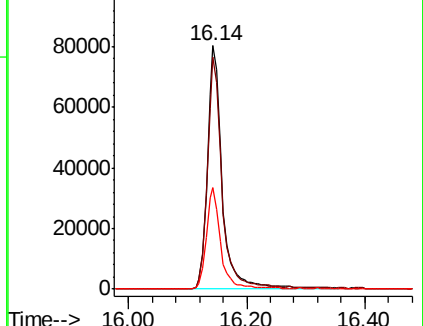
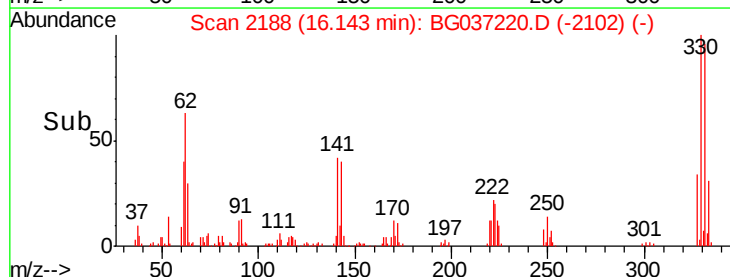
141 40.0 30.7 46.1

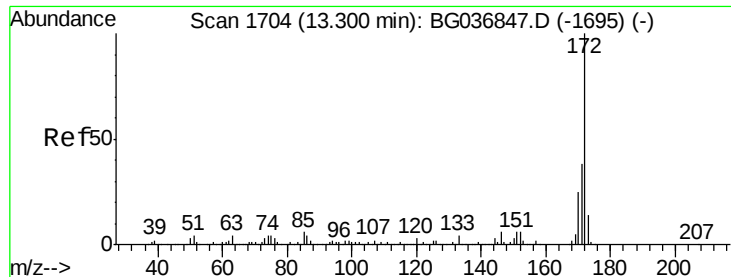


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

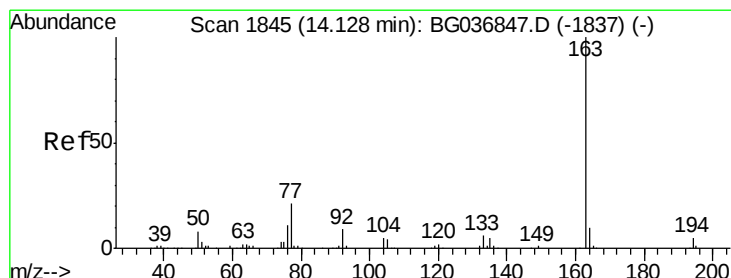
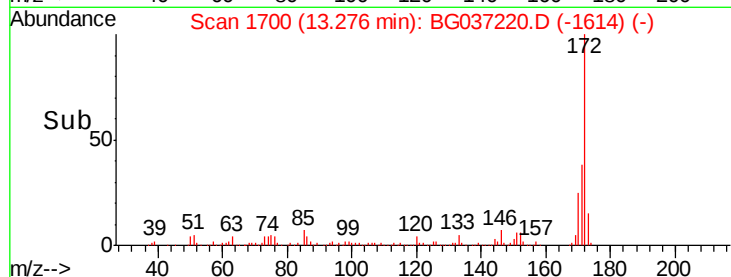
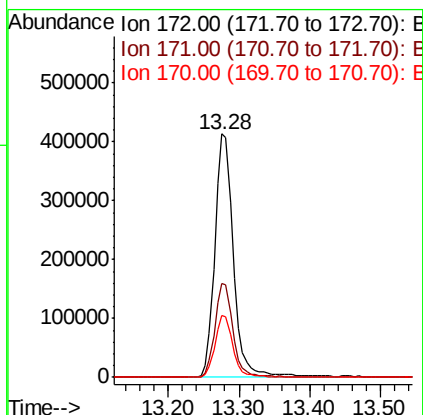
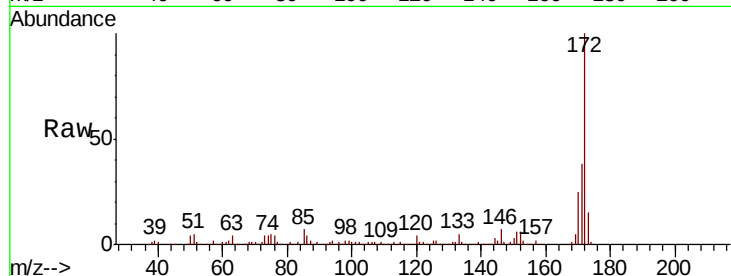




#44
2-Fluorobiphenyl
Concen: 92.935 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.02 min
Lab File: BG037220.D
Acq: 6 Oct 2018 19:50

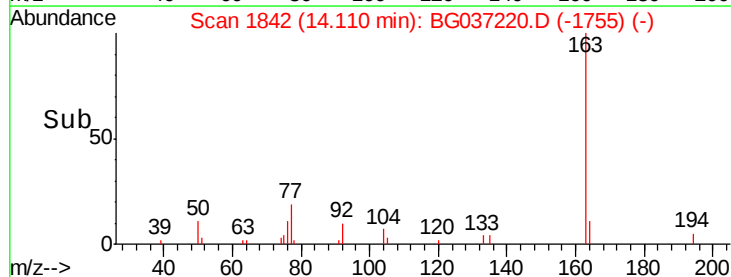
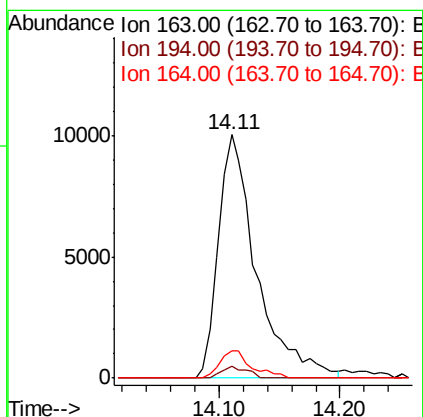
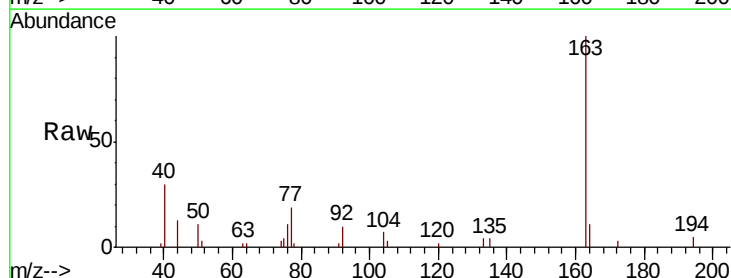
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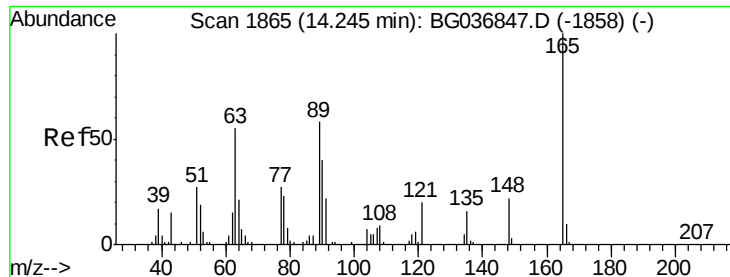
Tgt Ion:172 Resp: 761061
Ion Ratio Lower Upper
172 100
171 38.5 31.3 46.9
170 25.2 21.0 31.6



#49
Dimethylphthalate
Concen: 2.234 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG037220.D
Acq: 6 Oct 2018 19:50

Tgt Ion:163 Resp: 21936
Ion Ratio Lower Upper
163 100
194 4.8 4.0 6.0
164 11.2 8.1 12.1





#50

2,6-Dinitrotoluene

Concen: 7.256 ng

RT: 14.66 min Scan# 1935

Delta R.T. 0.41 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-D-B

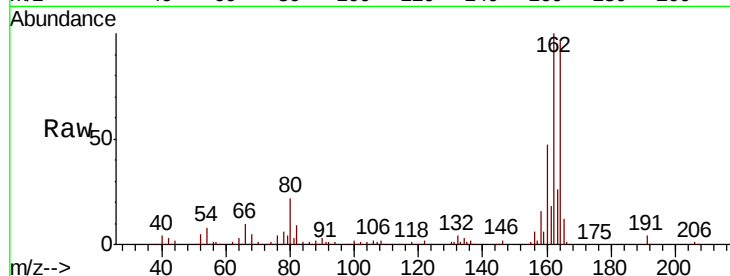
Tgt Ion:165 Resp: 15543

Ion Ratio Lower Upper

165 100

63 3.0 50.1 75.1#

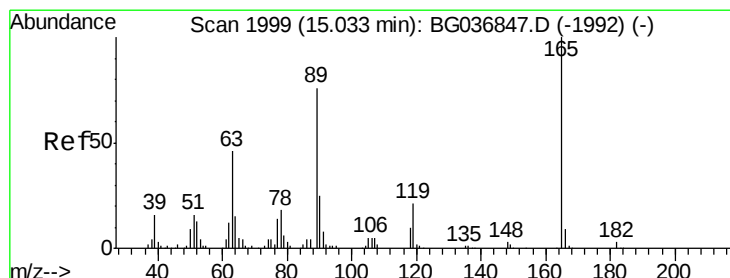
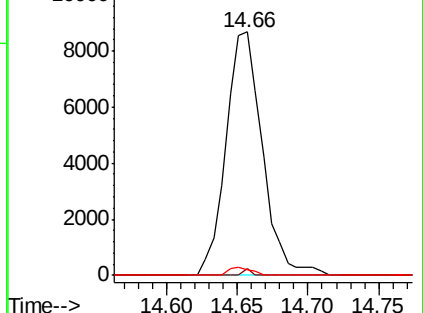
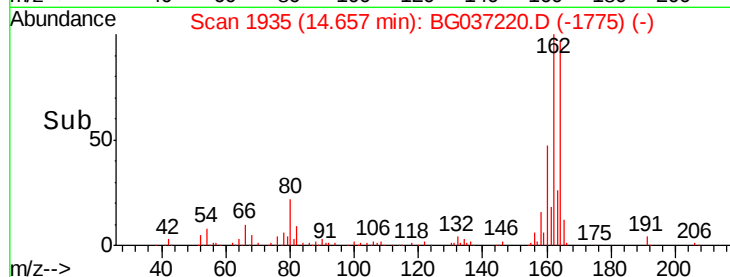
89 2.3 47.8 71.6#



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: 5.200 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.38 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Tgt Ion:165 Resp: 15543

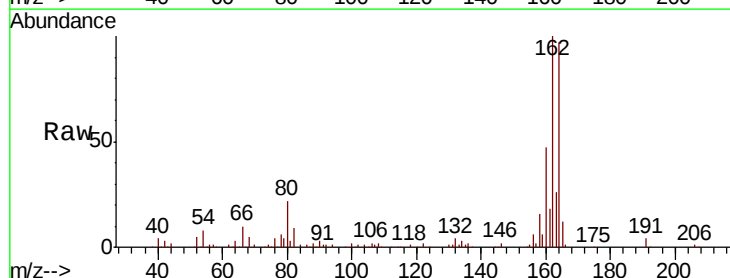
Ion Ratio Lower Upper

165 100

63 3.0 40.1 60.1#

89 2.3 63.7 95.5#

182 0.0 2.5 3.7#

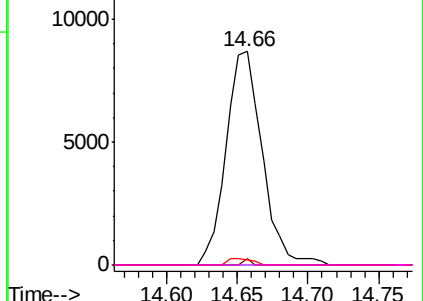
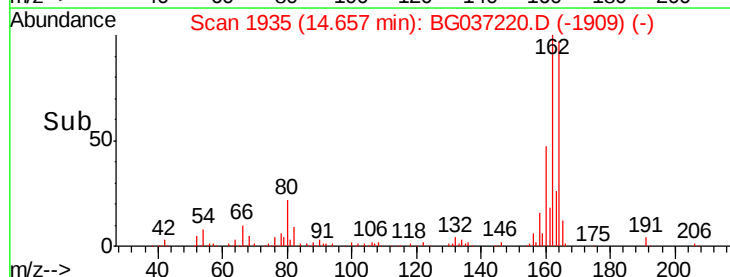


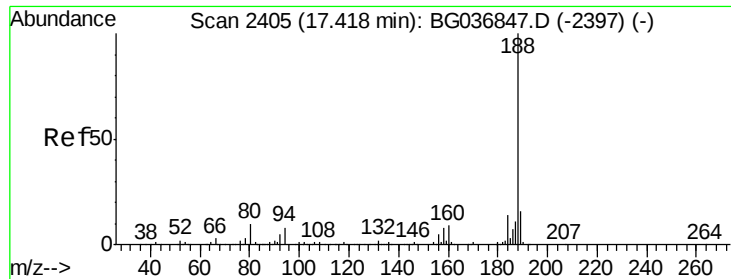
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2402

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

BNA_G

ClientSampleId :

100318-DBRI-E-D-B

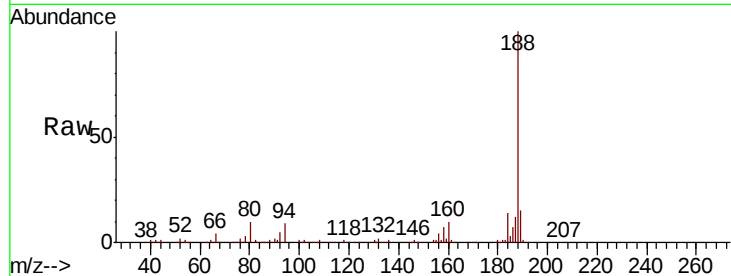
Tgt Ion:188 Resp: 320359

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

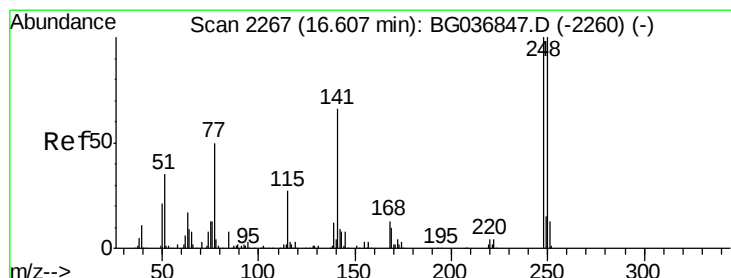
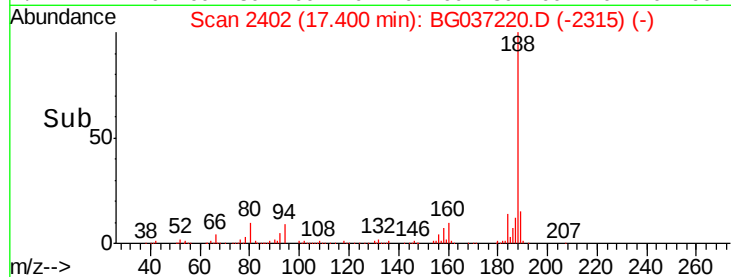
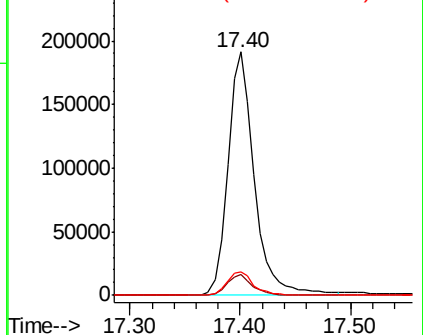
80 9.7 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 2.701 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.46 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

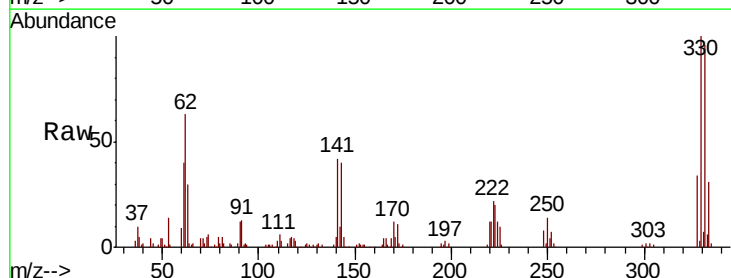
Tgt Ion:248 Resp: 9844

Ion Ratio Lower Upper

248 100

250 172.0 78.1 117.1#

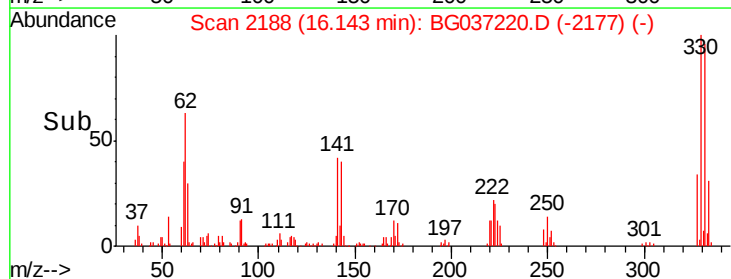
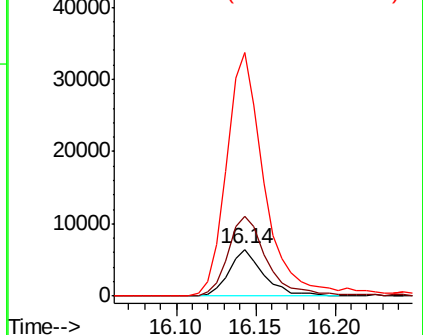
141 522.7 53.7 80.5#

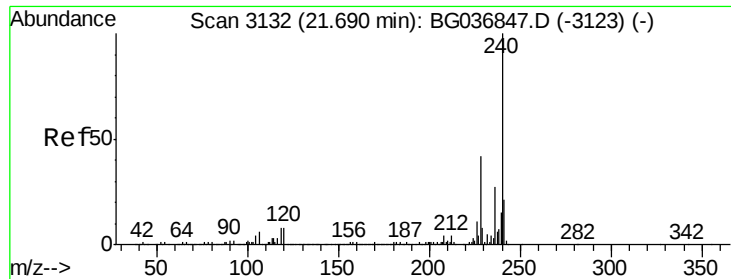


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

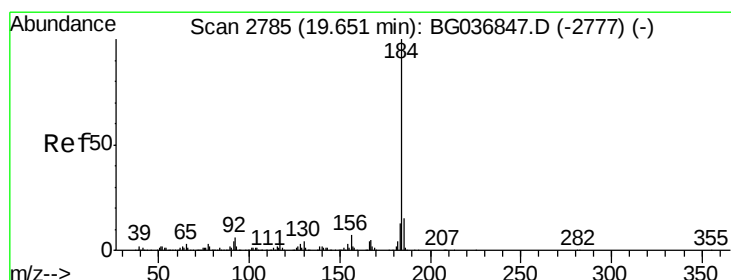
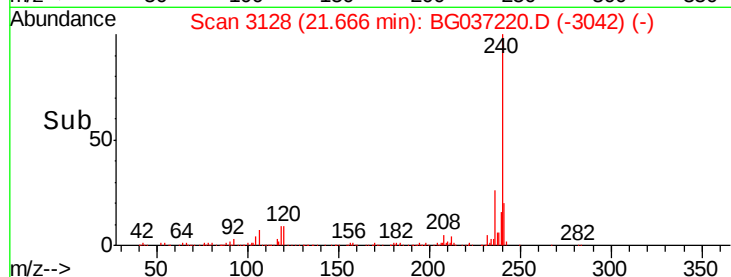
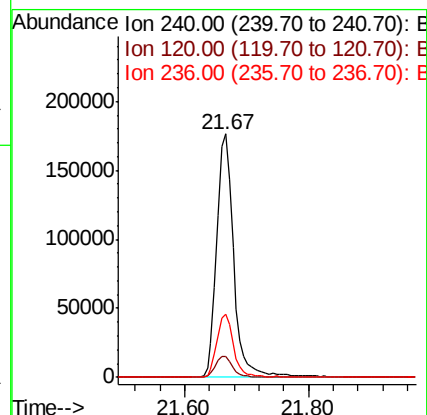
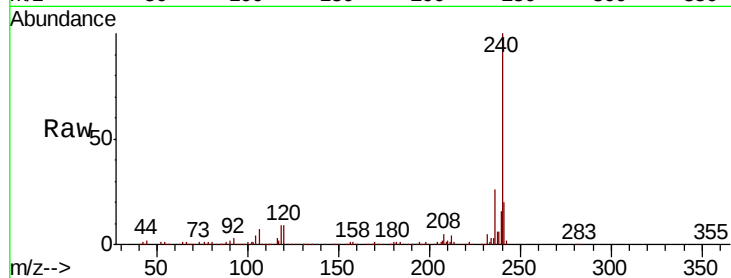




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.02 min
 Lab File: BG037220.D
 Acq: 6 Oct 2018 19:50

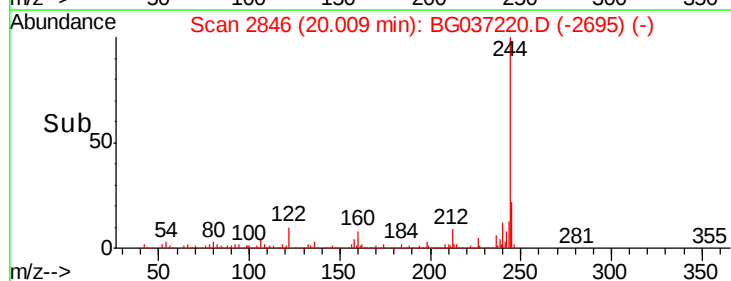
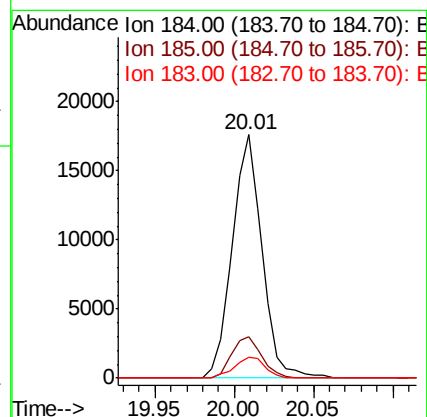
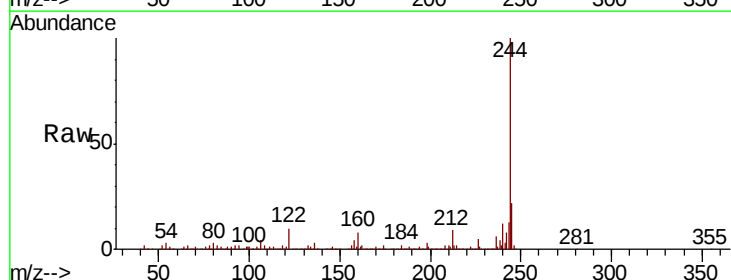
Instrument :
 BNA_G
 ClientSampleId :
 100318-DBRI-E-D-B

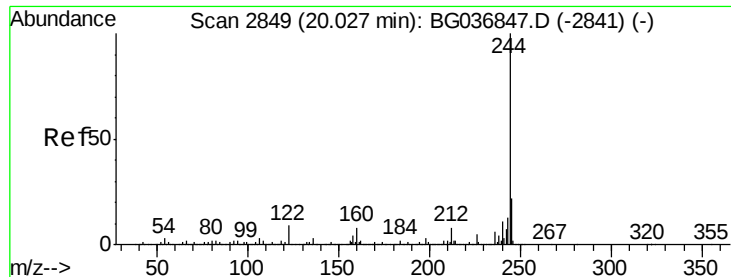
Tgt Ion:240 Resp: 334788
 Ion Ratio Lower Upper
 240 100
 120 8.7 6.9 10.3
 236 25.7 21.2 31.8



#76
 Benzidine
 Concen: 2.264 ng
 RT: 20.01 min Scan# 2846
 Delta R.T. 0.36 min
 Lab File: BG037220.D
 Acq: 6 Oct 2018 19:50

Tgt Ion:184 Resp: 22915
 Ion Ratio Lower Upper
 184 100
 185 17.1 12.6 18.8
 183 8.6 10.9 16.3#





#78

Terphenyl-d14

Concen: 99.518 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Instrument :

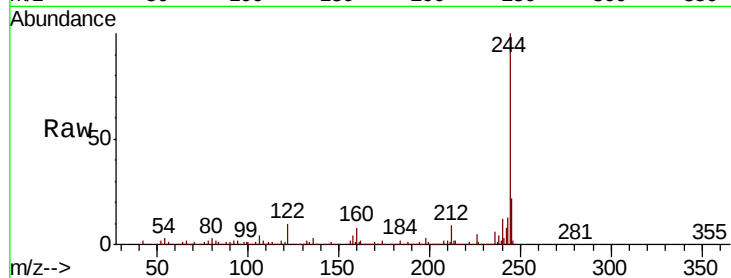
BNA_G

ClientSampleId :

100318-DBRI-E-D-B

Tgt Ion:244 Resp: 1267071

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.9	7.1	10.7

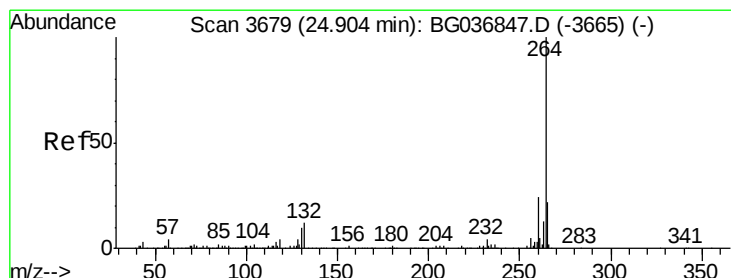
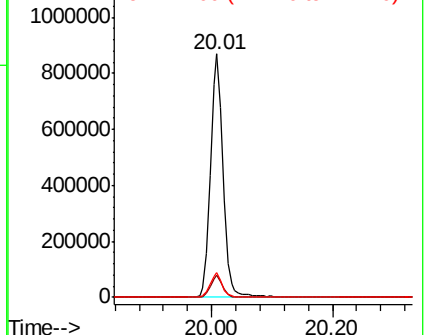
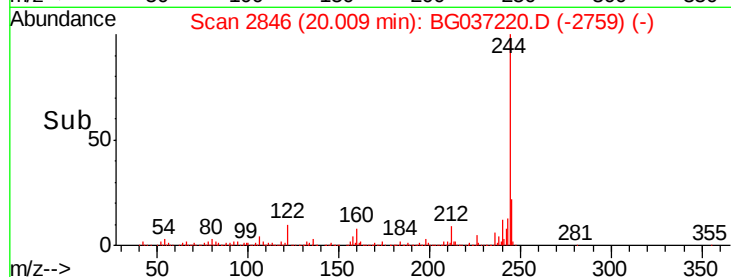


Abundance

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: 24.86 min Scan# 3671

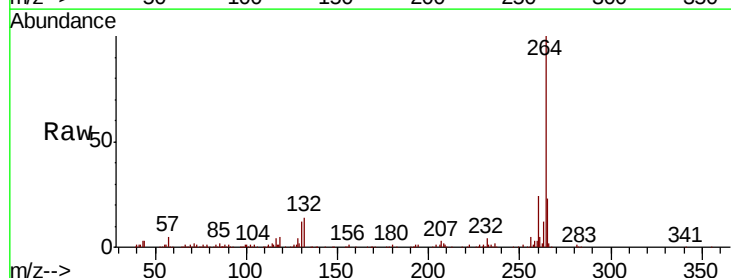
Delta R.T. -0.05 min

Lab File: BG037220.D

Acq: 6 Oct 2018 19:50

Tgt Ion:264 Resp: 327350

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.6	17.4	26.0



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

