

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100418\
 Data File : BG037144.D
 Acq On : 4 Oct 2018 3:38
 Operator : JU/SJ
 Sample : J5194-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-100218-A

Quant Time: Oct 04 04:21:40 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

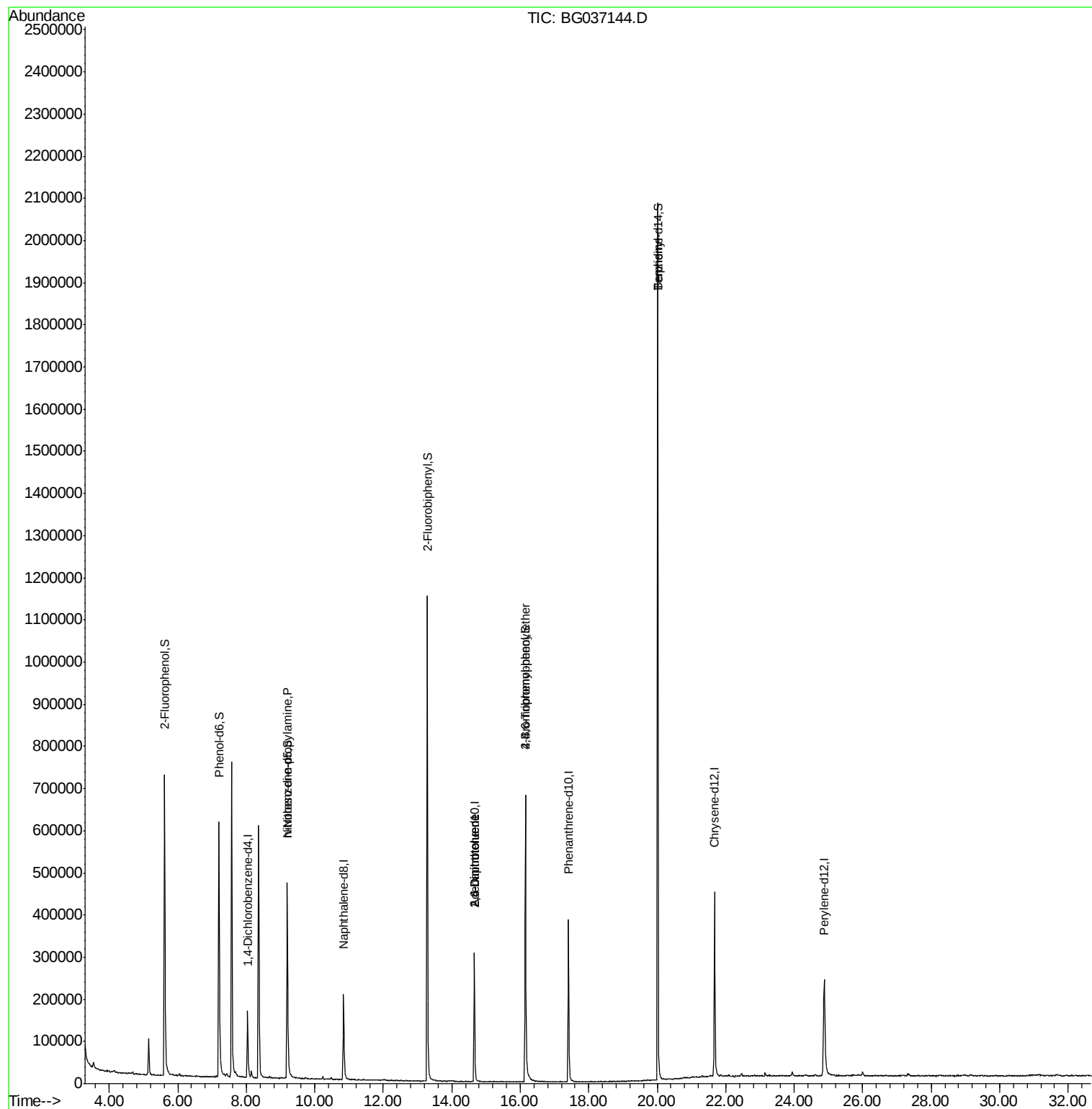
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	52278	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	205263	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	121229	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	281202	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	302017	20.00	ng	-0.02
86) Perylene-d12	24.88	264	295263	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	339024	124.37	ng	0.00
7) Phenol-d6	7.20	99	405217	96.08	ng	-0.01
23) Nitrobenzene-d5	9.20	82	339811	88.65	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	144382	99.54	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	661188	81.23	ng	-0.02
78) Terphenyl-d14	20.02	244	1079238	93.96	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	44271	12.618	ng	# 69
50) 2,6-Dinitrotoluene	14.66	165	15221	7.149	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	15220	5.123	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	9867	3.085	ng	# 1
76) Benzidine	20.02	184	18340	2.009	ng	# 91

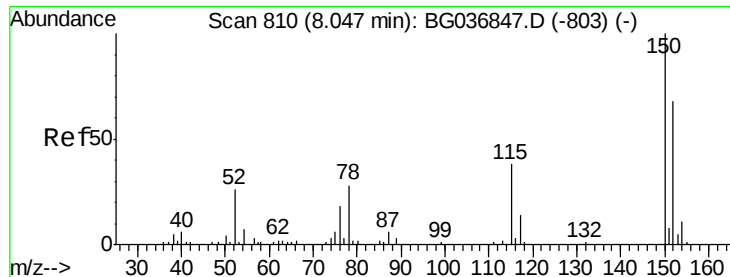
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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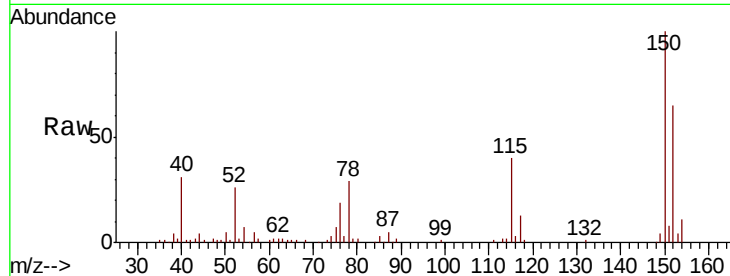




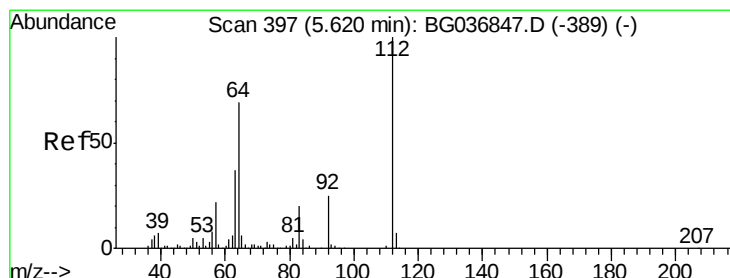
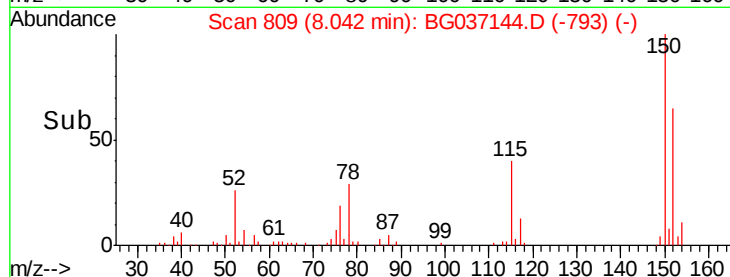
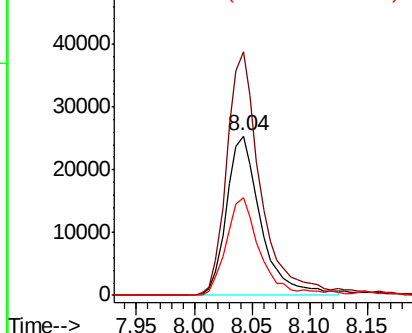
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.04 min Scan# 809
 Delta R.T. -0.00 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-100218-A

Tgt Ion:152 Resp: 52278
 Ion Ratio Lower Upper
 152 100
 150 152.9 119.5 179.3
 115 61.0 44.5 66.7

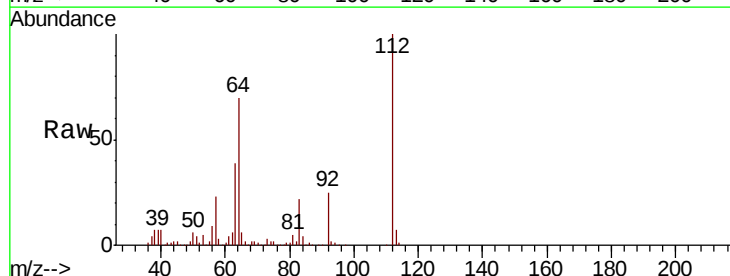


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

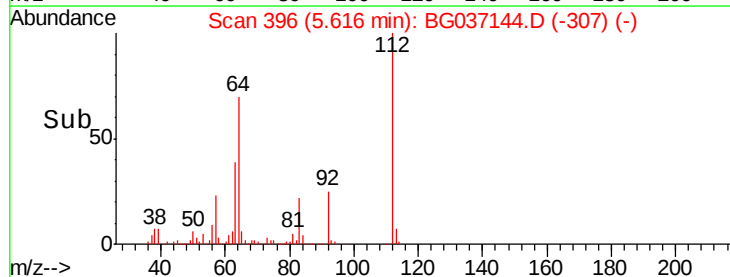
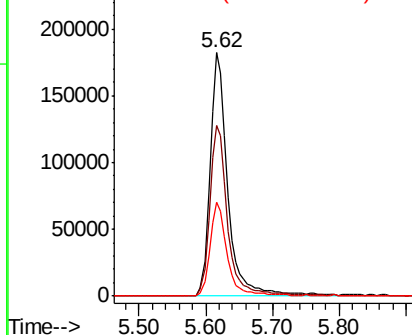


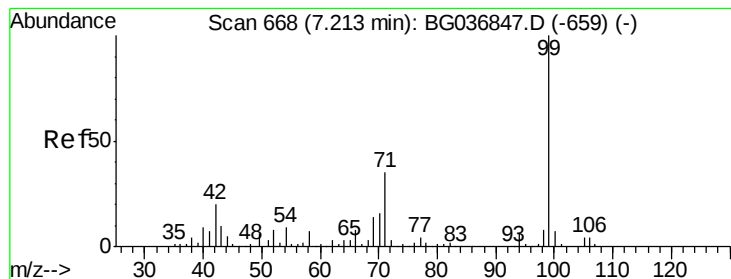
#5
 2-Fluorophenol
 Concen: 124.369 ng
 RT: 5.62 min Scan# 396
 Delta R.T. -0.00 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

Tgt Ion:112 Resp: 339024
 Ion Ratio Lower Upper
 112 100
 64 70.2 57.2 85.8
 63 38.6 30.8 46.2



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: 96.079 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-A

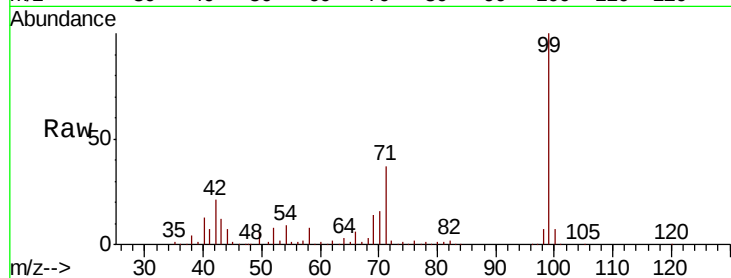
Tgt Ion: 99 Resp: 405217

Ion Ratio Lower Upper

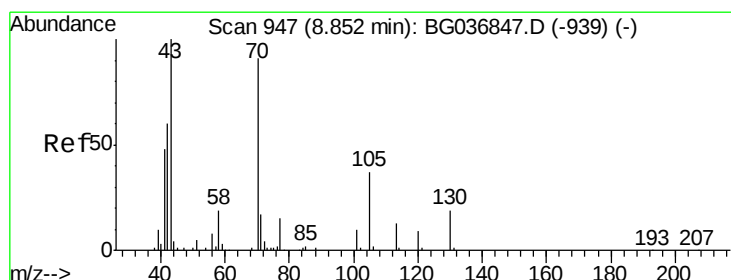
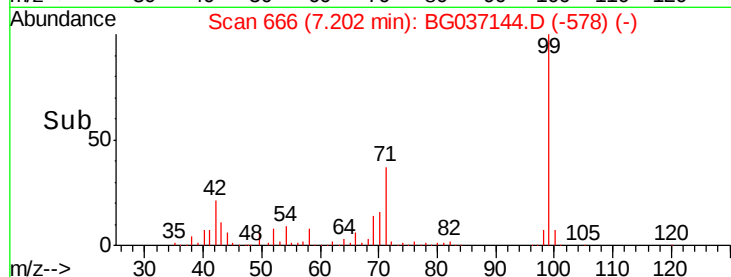
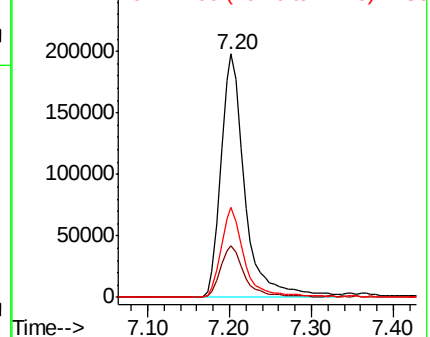
99 100

42 21.0 16.5 24.7

71 37.0 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: 12.618 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

Tgt Ion: 70 Resp: 44271

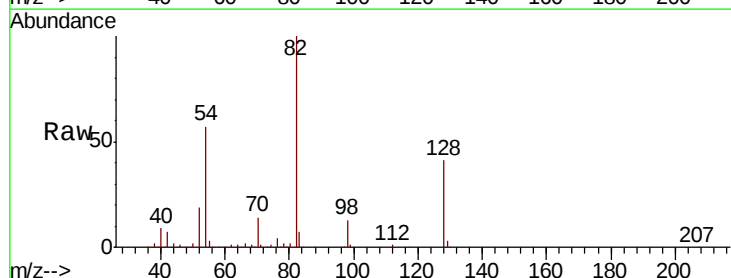
Ion Ratio Lower Upper

70 100

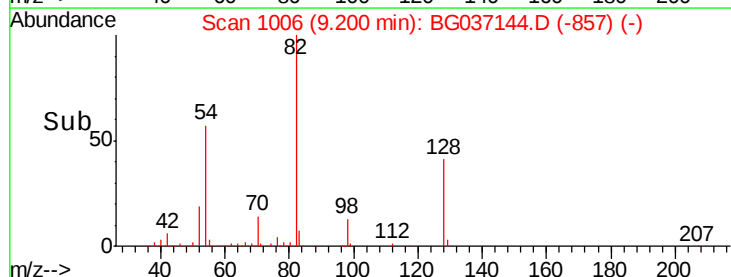
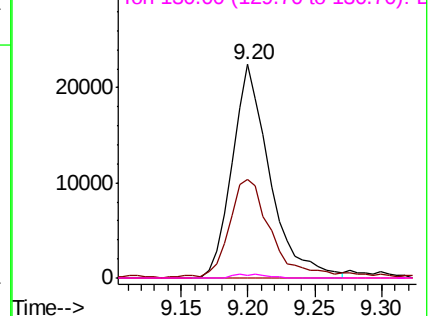
42 46.4 56.2 84.4#

101 0.0 7.8 11.6#

130 1.2 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

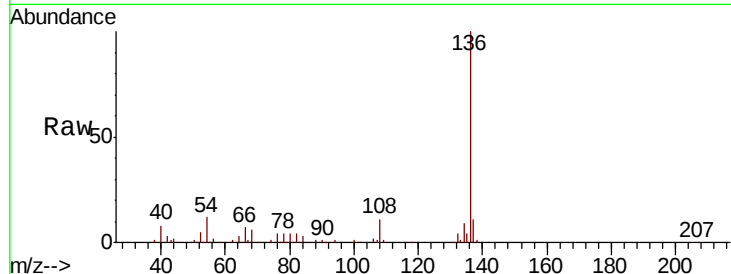




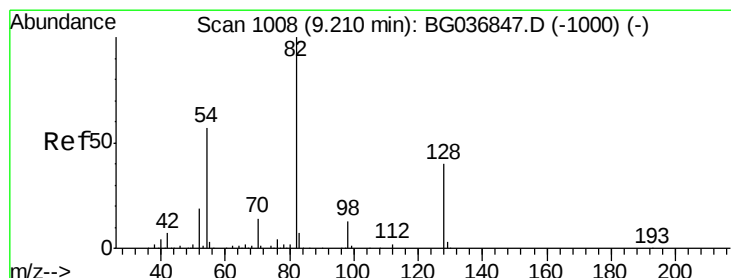
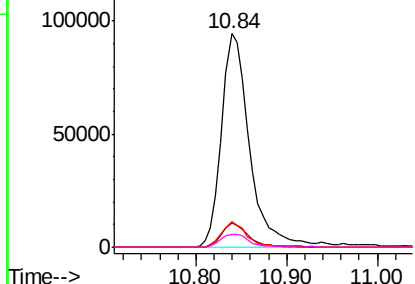
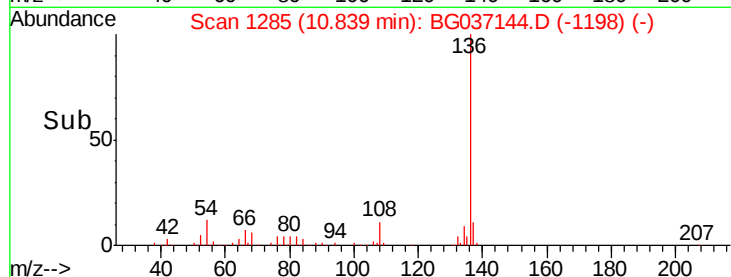
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG037144.D
Acq: 4 Oct 2018 3:38

Instrument :
BNA_G
ClientSampleId :
HR-06-100218-A

Tgt Ion:	136	Resp:	205263
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.9	9.2	13.8
68	6.2	5.8	8.6

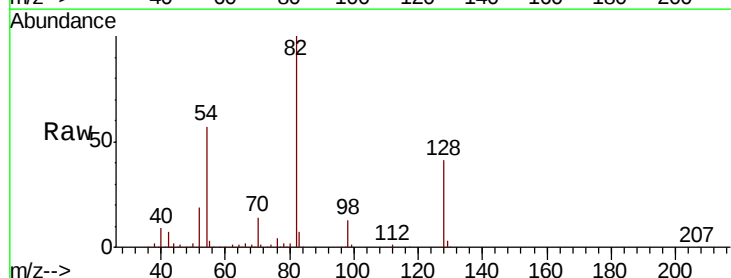


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

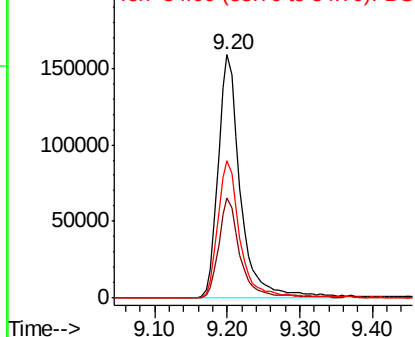
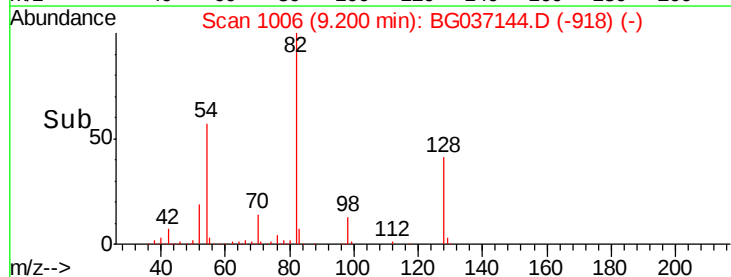


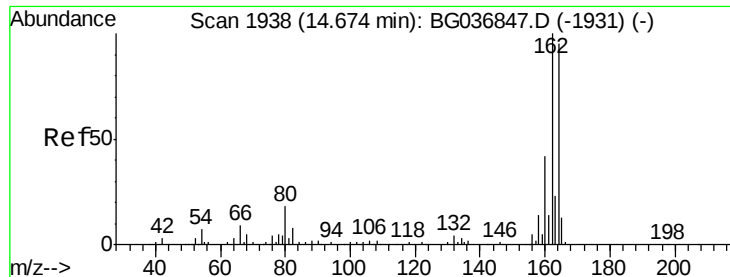
#23
Nitrobenzene-d5
Concen: 88.653 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037144.D
Acq: 4 Oct 2018 3:38

Tgt Ion:	82	Resp:	339811
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.3	49.9
54	56.5	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: BG037144.D

Acq: 4 Oct 2018 3:38

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-A

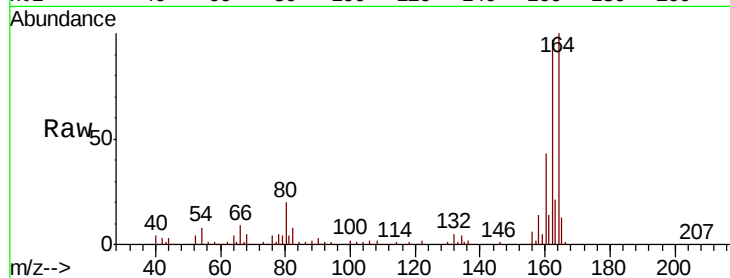
Tgt Ion:164 Resp: 121229

Ion Ratio Lower Upper

164 100

162 97.2 80.7 121.1

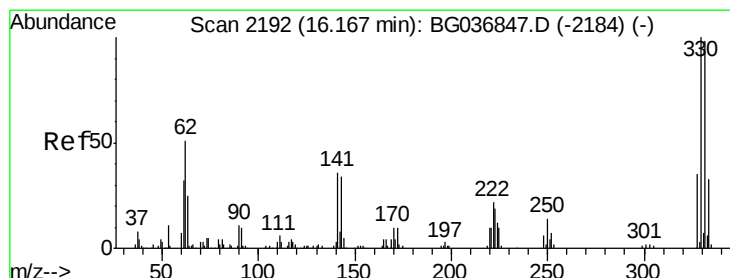
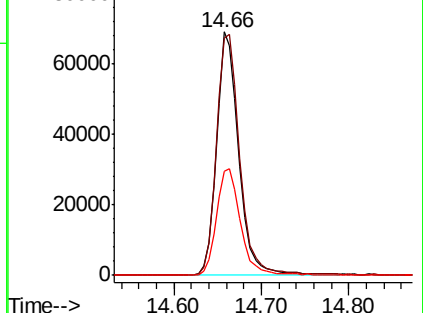
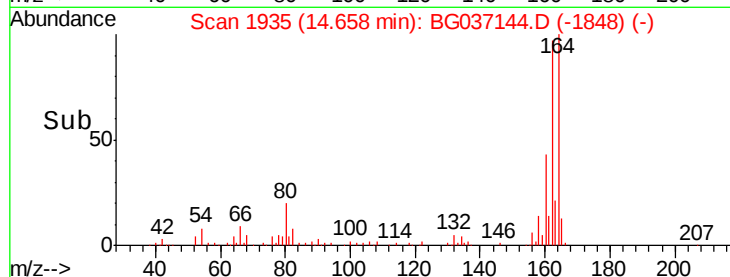
160 42.8 35.3 52.9



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: 99.544 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

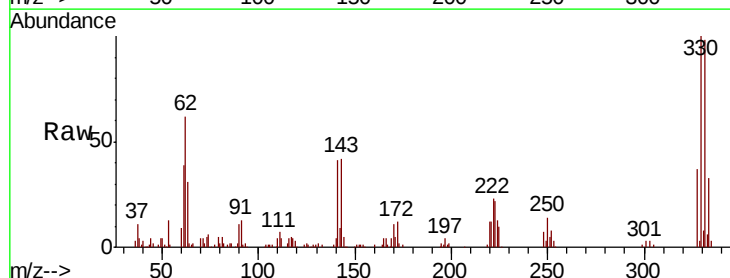
Tgt Ion:330 Resp: 144382

Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.2

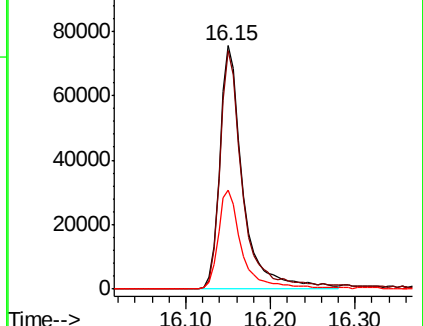
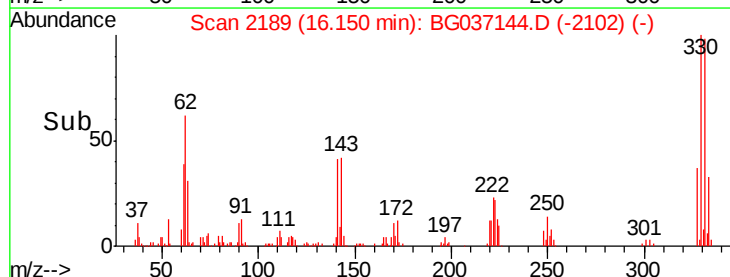
141 41.3 30.7 46.1



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

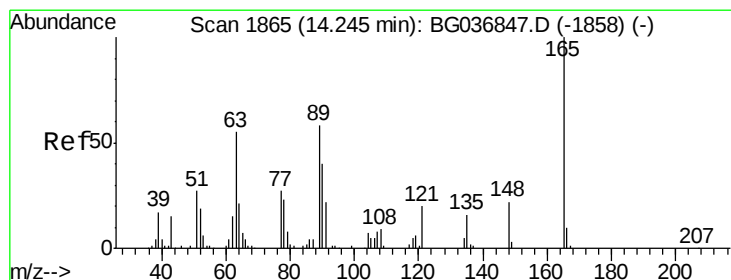
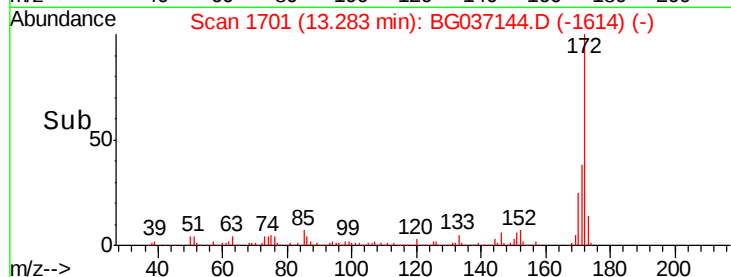
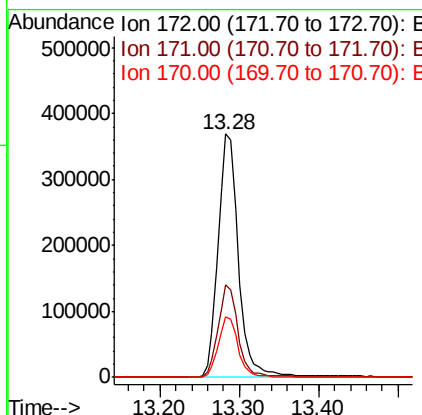
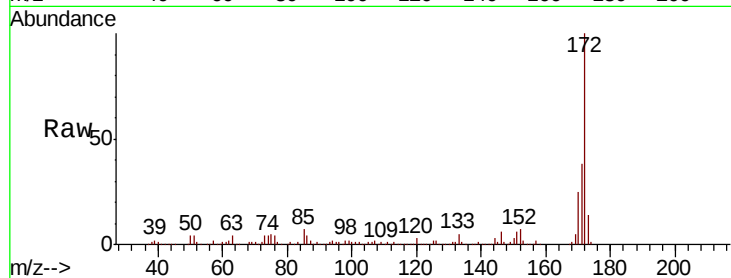




#44
 2-Fluorobiphenyl
 Concen: 81.232 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

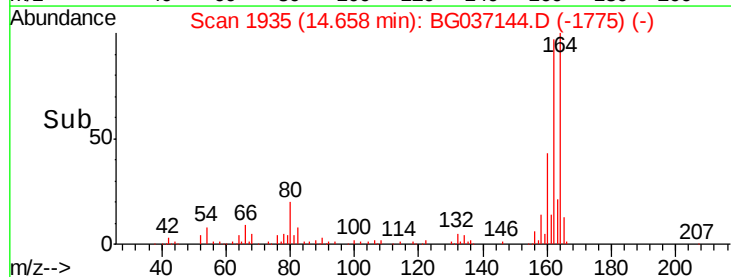
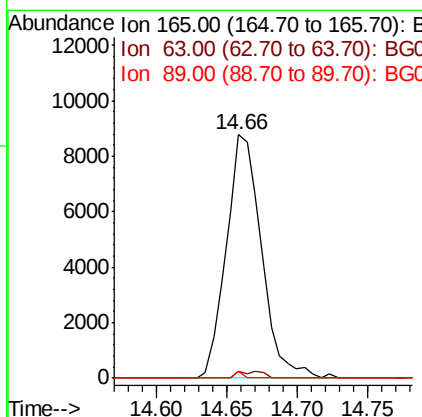
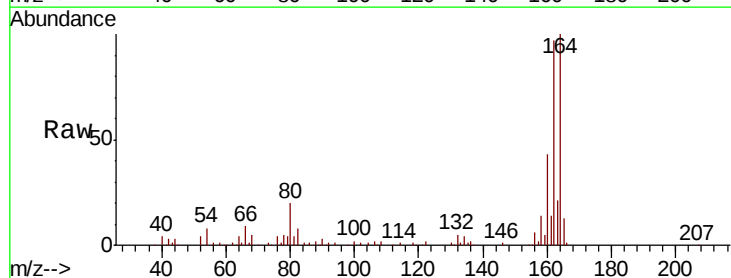
Instrument :
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 HR-06-100218-A

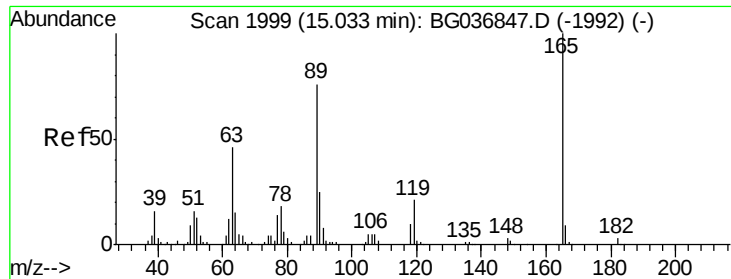
Tgt Ion:172 Resp: 661188
 Ion Ratio Lower Upper
 172 100
 171 37.9 31.3 46.9
 170 25.0 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.149 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

Tgt Ion:165 Resp: 15221
 Ion Ratio Lower Upper
 165 100
 63 2.7 50.1 75.1#
 89 2.6 47.8 71.6#

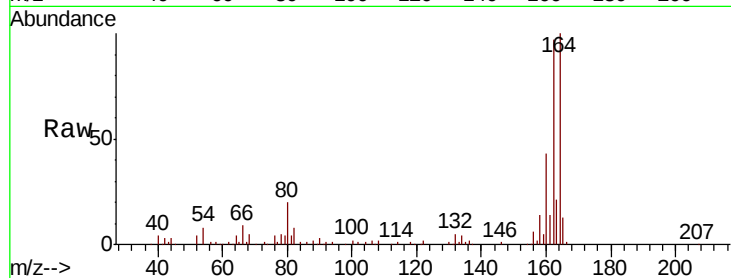




#56
 2,4-Dinitrotoluene
 Concen: 5.123 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.37 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-100218-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	40.1	60.1#
89	2.6	63.7	95.5#
182	0.0	2.5	3.7#

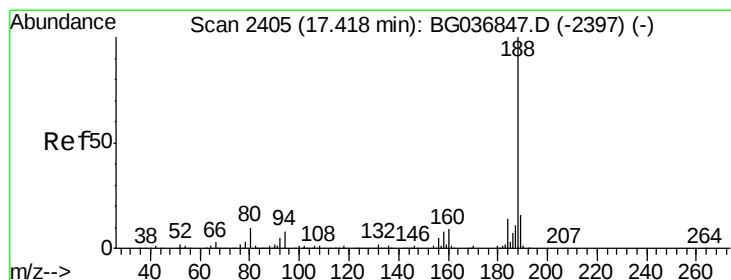
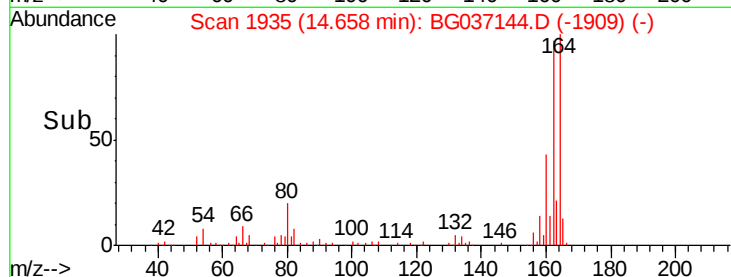
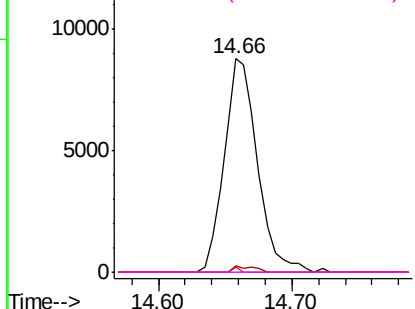


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

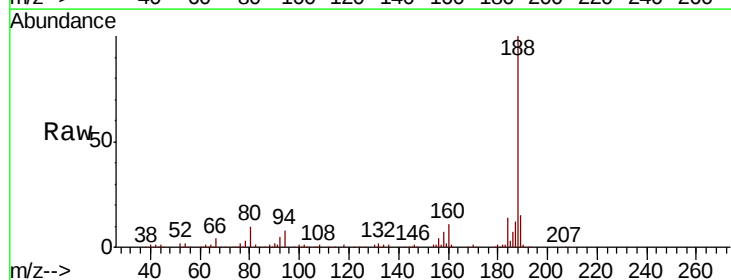
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037144.D
 Acq: 4 Oct 2018 3:38

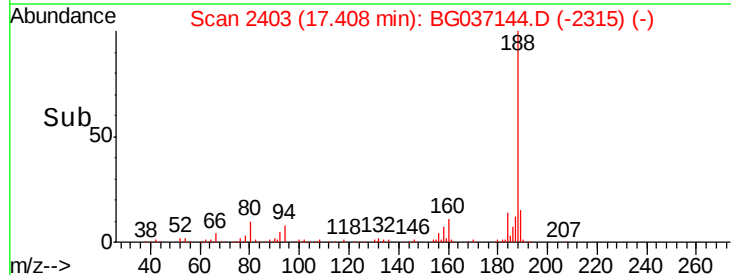
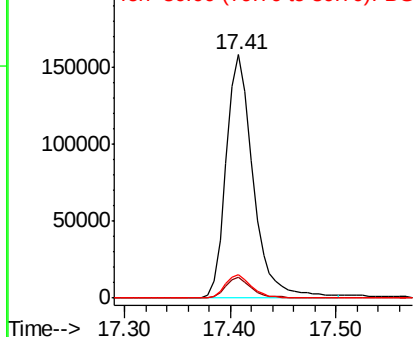
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.7	8.1	12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 3.085 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

Instrument :

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HR-06-100218-A

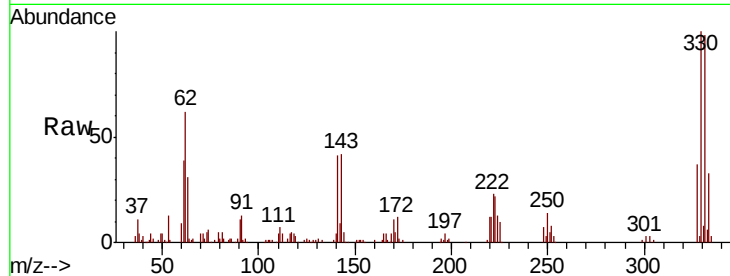
Tgt Ion:248 Resp: 9867

Ion Ratio Lower Upper

248 100

250 200.4 78.1 117.1#

141 569.9 53.7 80.5#

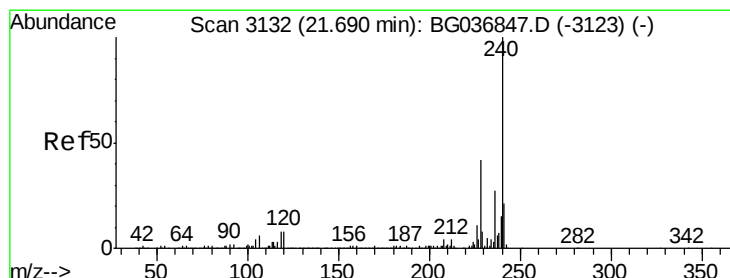
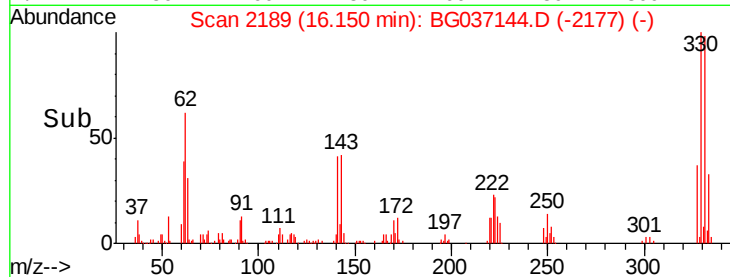
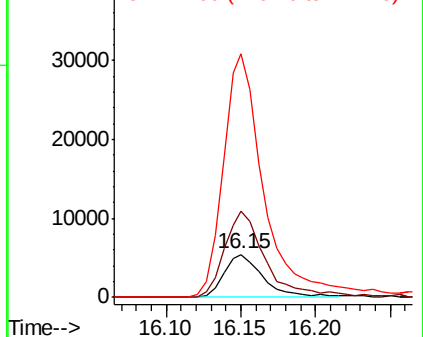


Abundance

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# 3129

Delta R.T. -0.02 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

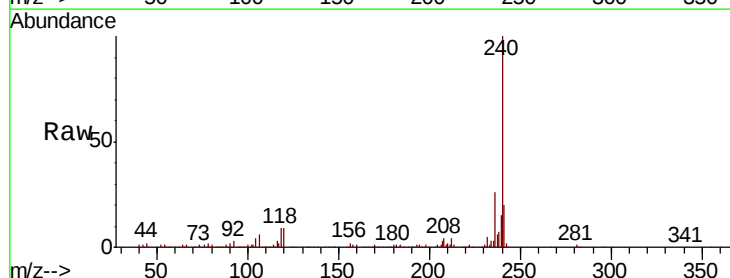
Tgt Ion:240 Resp: 302017

Ion Ratio Lower Upper

240 100

120 9.0 6.9 10.3

236 25.6 21.2 31.8

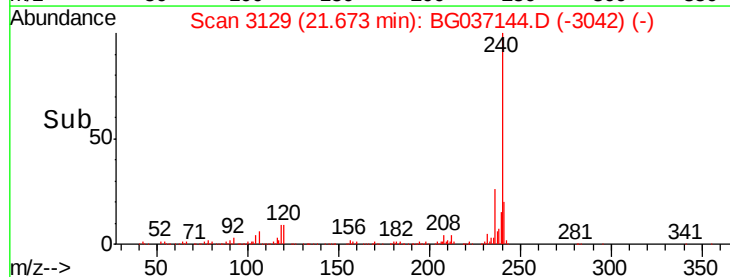
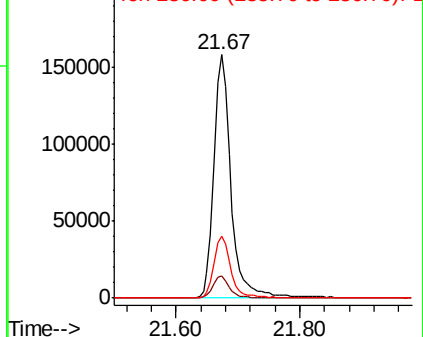


Abundance

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: 2.009 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-A

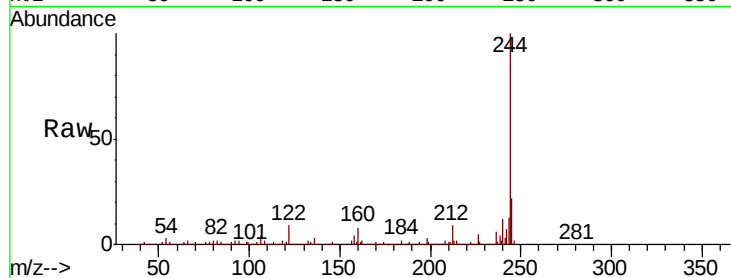
Tgt Ion:184 Resp: 18340

Ion Ratio Lower Upper

184 100

185 18.6 12.6 18.8

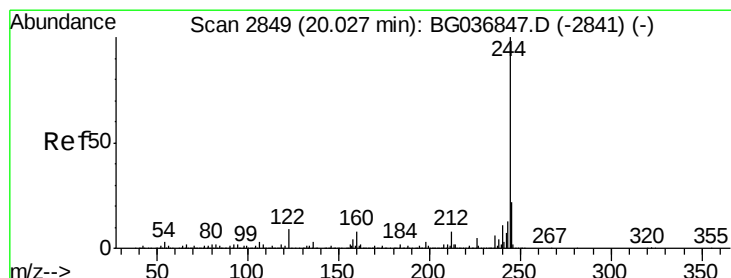
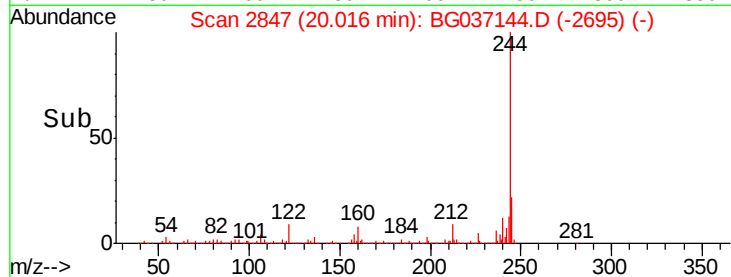
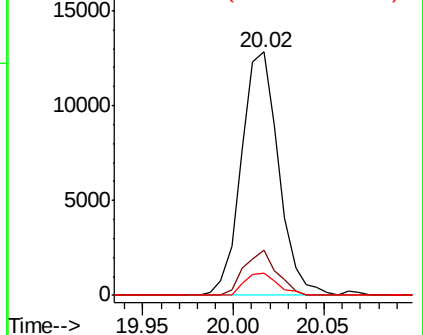
183 9.2 10.9 16.3#



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: 93.963 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037144.D

Acq: 4 Oct 2018 3:38

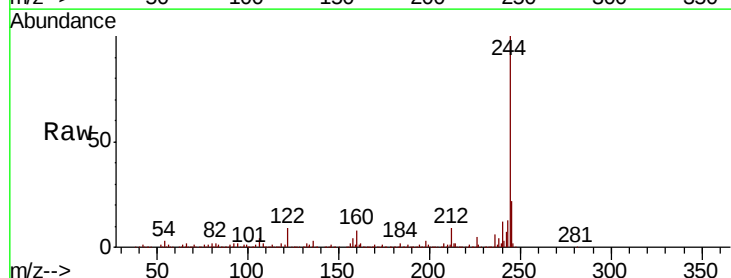
Tgt Ion:244 Resp: 1079238

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

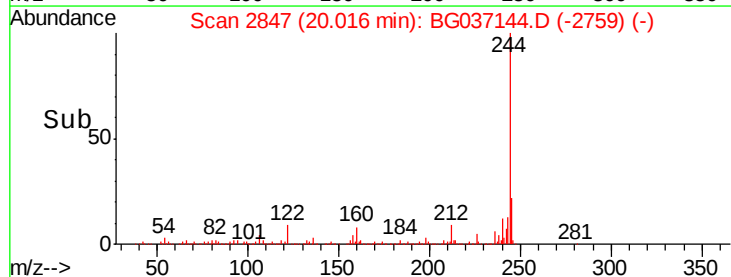
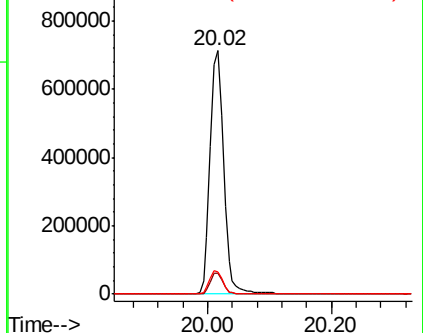
122 9.3 7.1 10.7

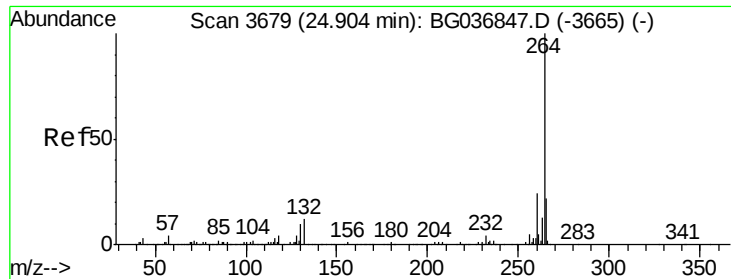


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.88 min Scan# 3674
Delta R.T. -0.03 min
Lab File: BG037144.D
Acq: 4 Oct 2018 3:38

Instrument :
BNA_G
ClientSampleId :
HR-06-100218-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	21.7	17.4	26.0

