

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100518\
 Data File : BG037160.D
 Acq On : 4 Oct 2018 18:10
 Operator : JU/SJ
 Sample : J5194-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 05 01:42:09 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

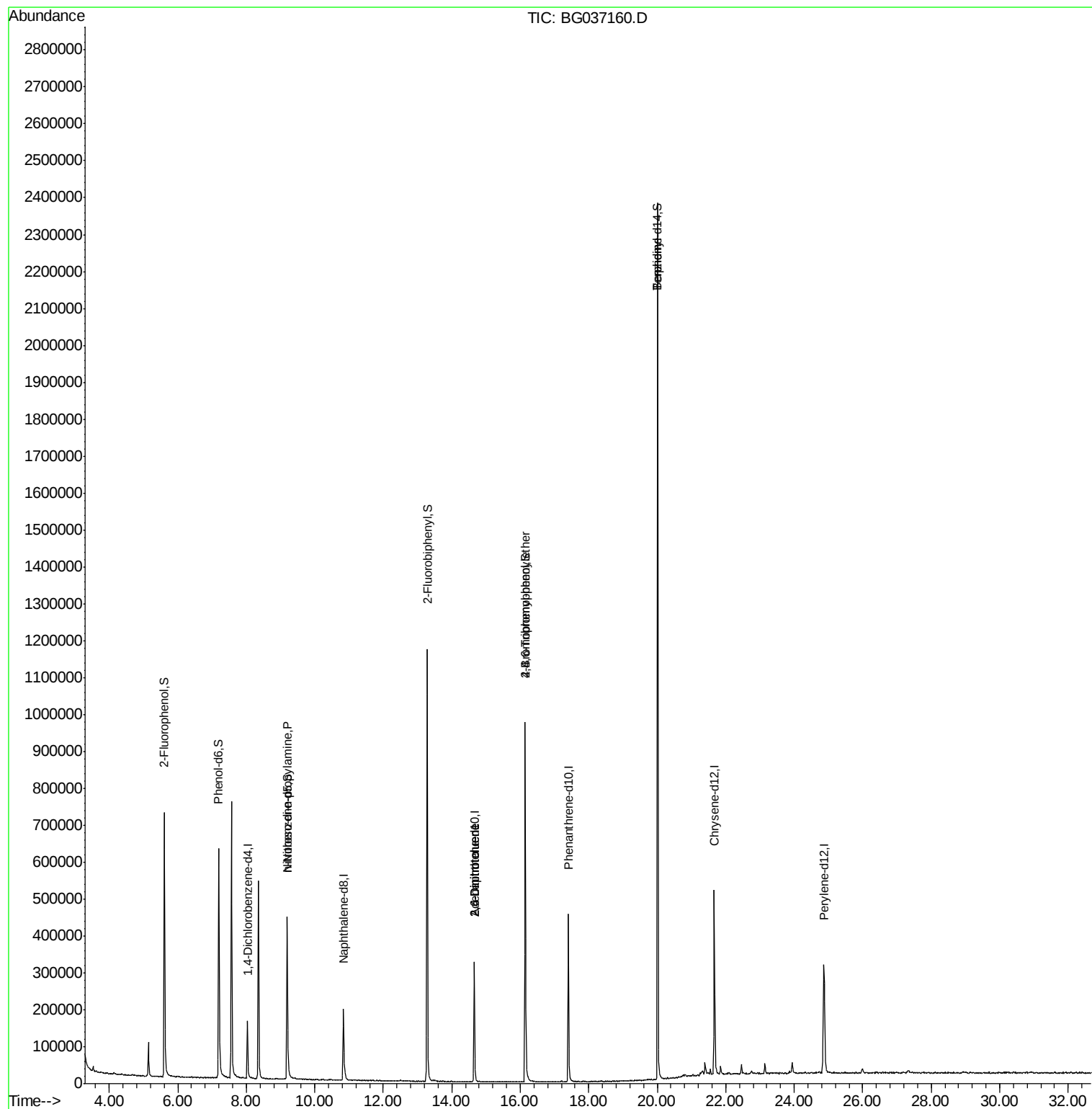
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	50040	20.00	ng	-0.01
21) Naphthalene-d8	10.84	136	195522	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	121698	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	312041	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	336405	20.00	ng	-0.02
86) Perylene-d12	24.87	264	330153	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	323767	124.08	ng	-0.01
7) Phenol-d6	7.20	99	400680	99.25	ng	-0.02
23) Nitrobenzene-d5	9.19	82	320928	87.90	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	193118	132.63	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	641424	78.50	ng	-0.02
78) Terphenyl-d14	20.01	244	1182859	92.46	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	42428	12.634	ng	# 75
50) 2,6-Dinitrotoluene	14.66	165	15377	7.195	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	15377	5.156	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	13734	3.869	ng	# 1
76) Benzidine	20.01	184	20939	2.059	ng	# 92

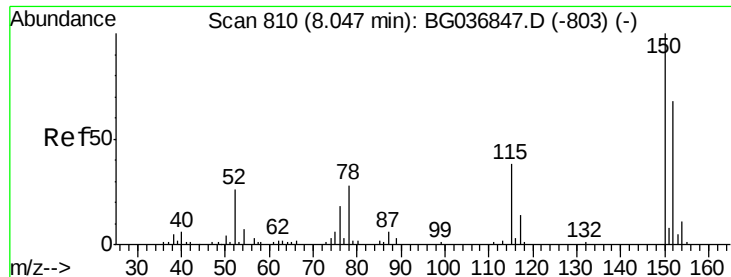
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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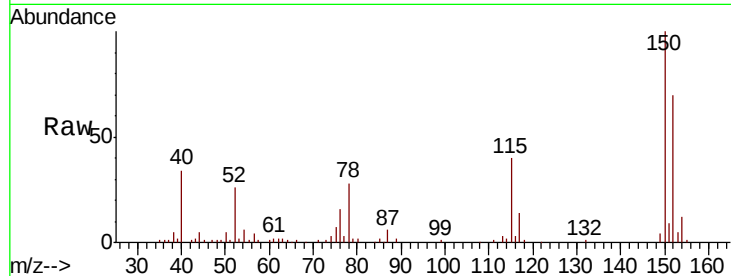


#1

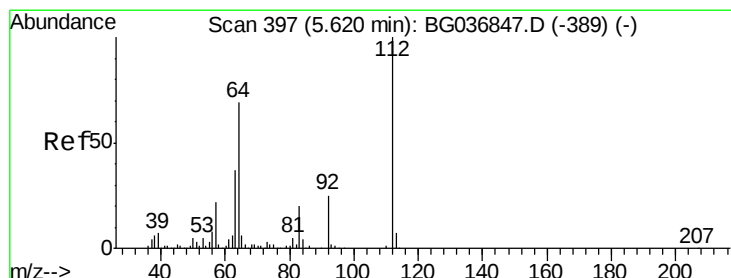
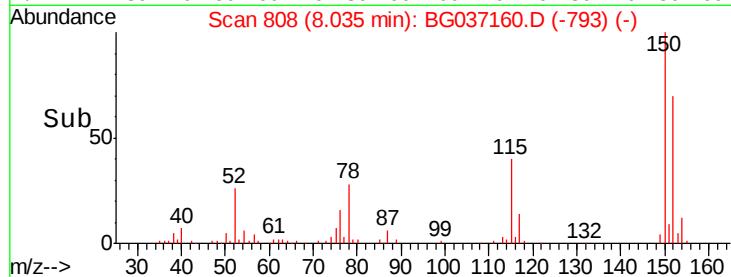
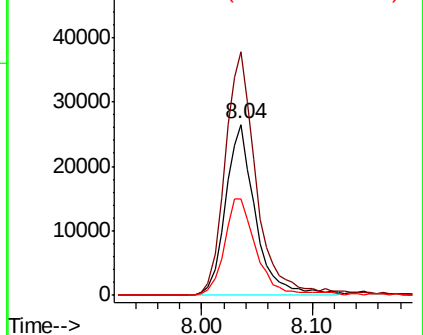
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG037160.D
Acq: 4 Oct 2018 18:10

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

Tgt Ion:152 Resp: 50040
Ion Ratio Lower Upper
152 100
150 142.5 119.5 179.3
115 56.5 44.5 66.7



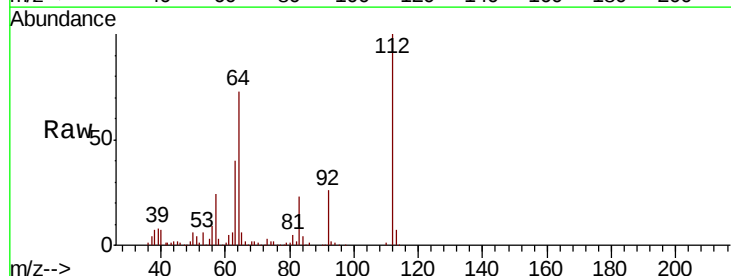
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



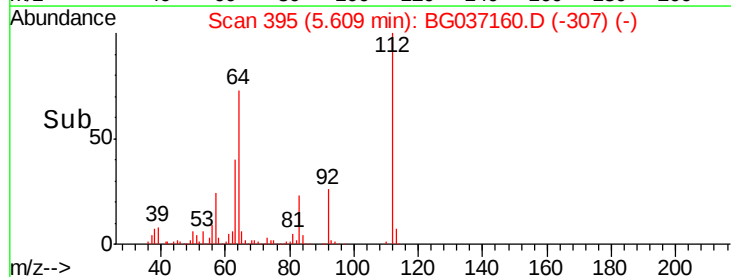
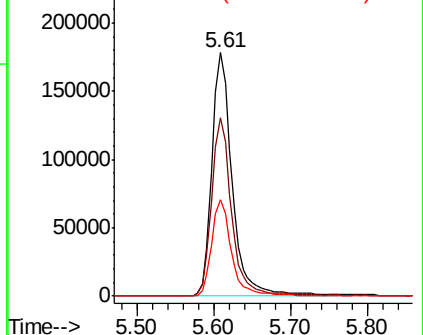
#5

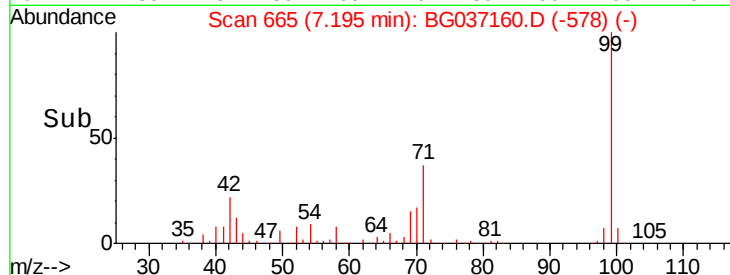
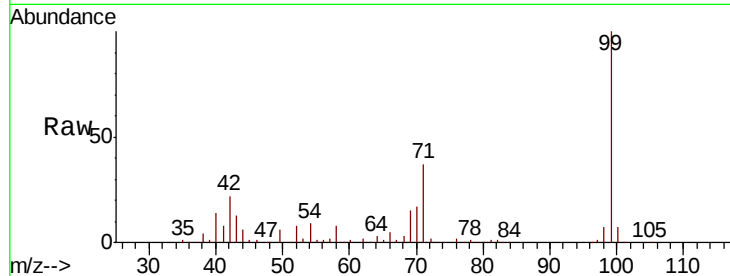
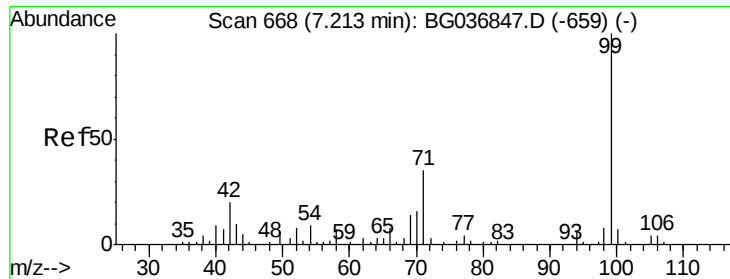
2-Fluorophenol
Concen: 124.084 ng
RT: 5.61 min Scan# 395
Delta R.T. -0.01 min
Lab File: BG037160.D
Acq: 4 Oct 2018 18:10

Tgt Ion:112 Resp: 323767
Ion Ratio Lower Upper
112 100
64 73.1 57.2 85.8
63 39.6 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: 99.253 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-C

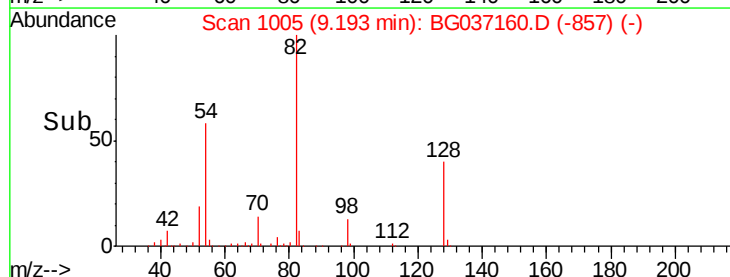
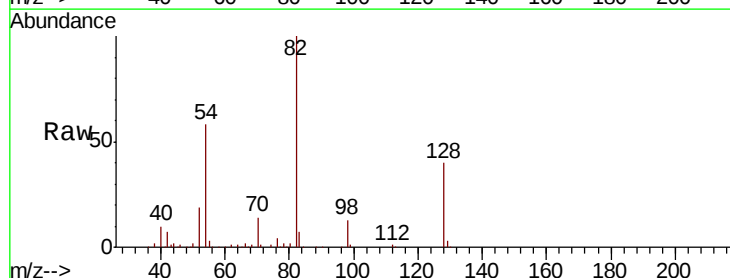
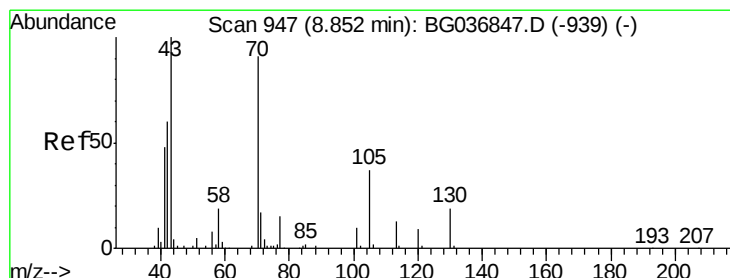
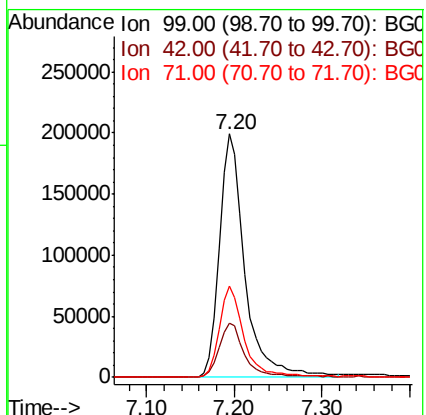
Tgt Ion: 99 Resp: 400680

Ion Ratio Lower Upper

99 100

42 22.3 16.5 24.7

71 37.4 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.634 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

Tgt Ion: 70 Resp: 42428

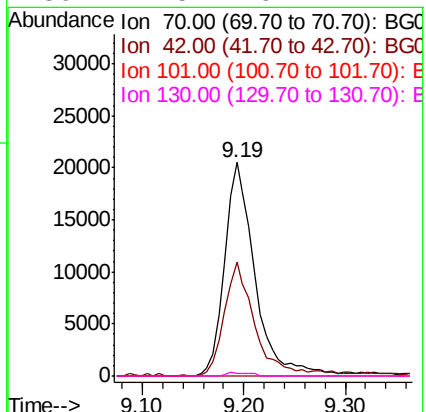
Ion Ratio Lower Upper

70 100

42 53.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.5 16.2 24.2#

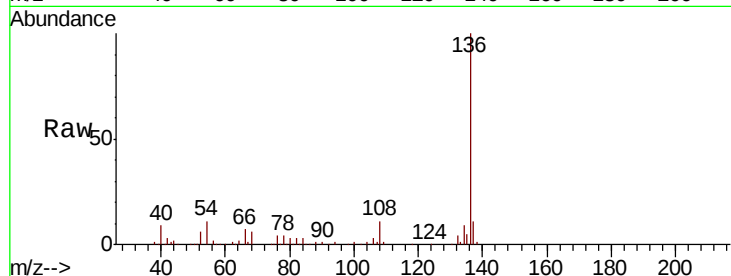




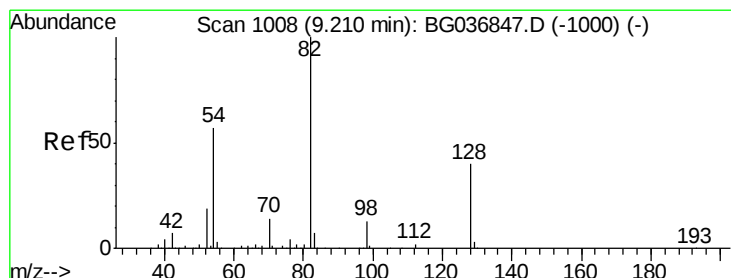
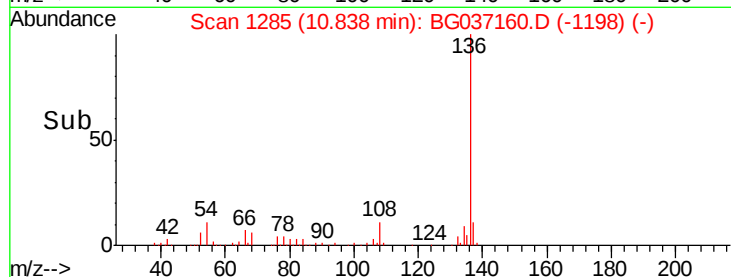
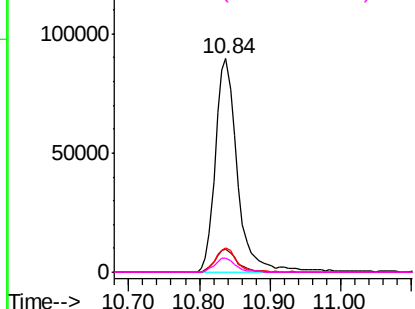
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG037160.D
Acq: 4 Oct 2018 18:10

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

Tgt Ion:	136	Resp:	195522
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	11.3	9.2	13.8
68	6.3	5.8	8.6

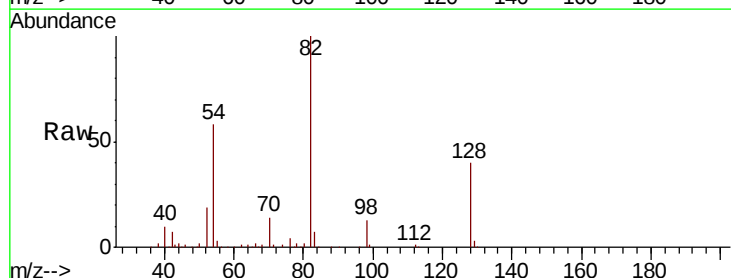


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

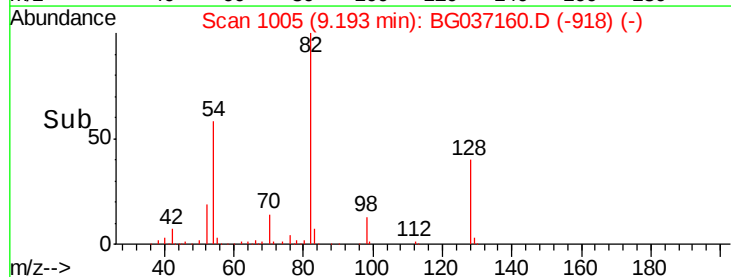
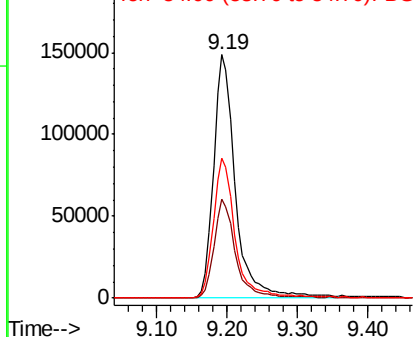


#23
Nitrobenzene-d5
Concen: 87.898 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037160.D
Acq: 4 Oct 2018 18:10

Tgt Ion:	82	Resp:	320928
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	57.7	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: BG037160.D

Acq: 4 Oct 2018 18:10

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-C

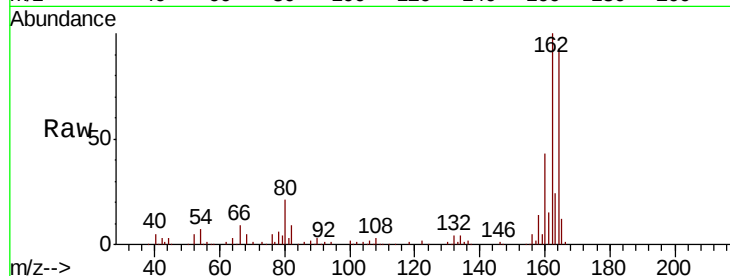
Tgt Ion:164 Resp: 121698

Ion Ratio Lower Upper

164 100

162 107.1 80.7 121.1

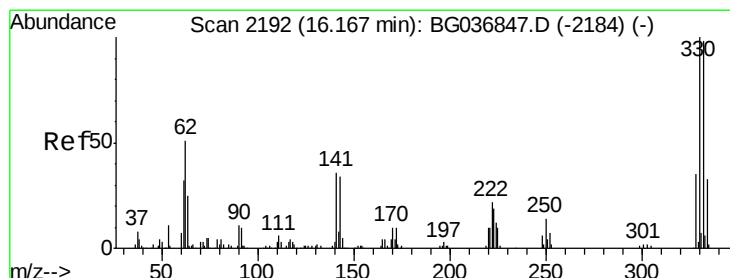
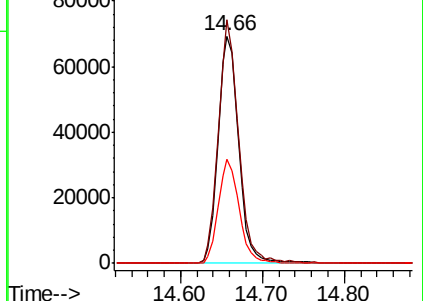
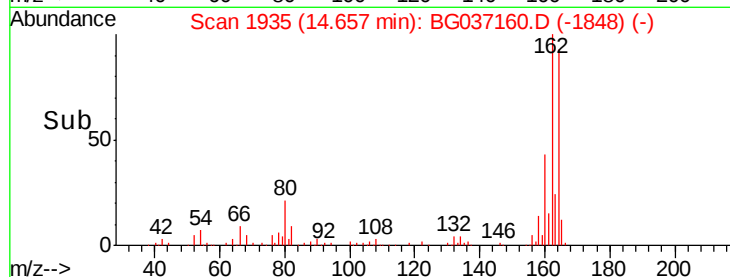
160 45.8 35.3 52.9



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: 132.632 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

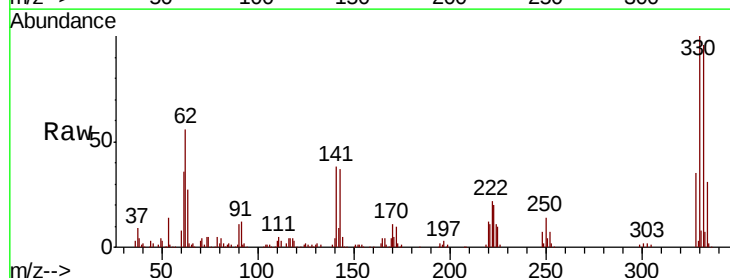
Tgt Ion:330 Resp: 193118

Ion Ratio Lower Upper

330 100

332 95.7 75.4 113.2

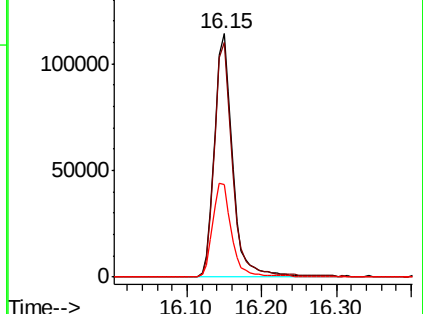
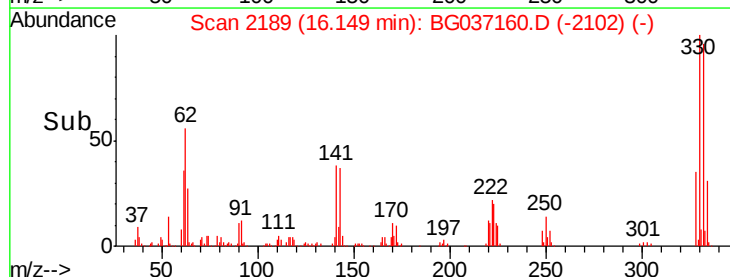
141 40.2 30.7 46.1



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

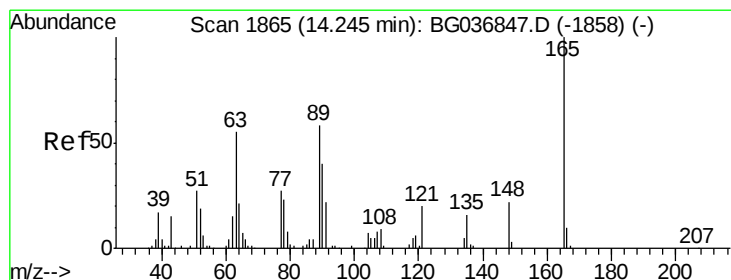
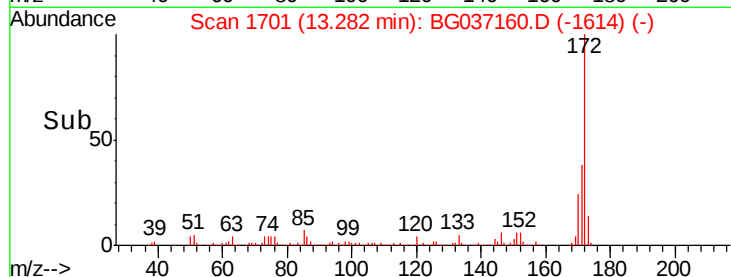
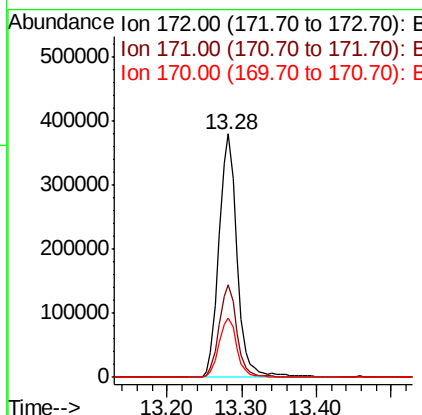
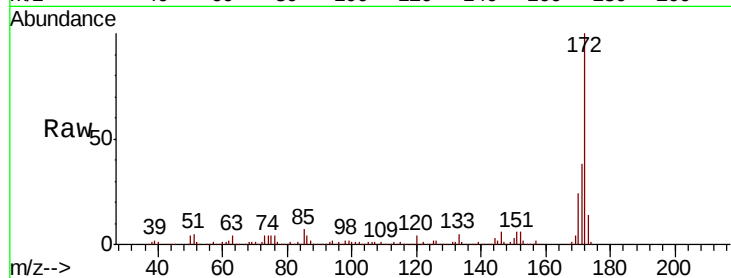




#44
 2-Fluorobiphenyl
 Concen: 78.500 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037160.D
 Acq: 4 Oct 2018 18:10

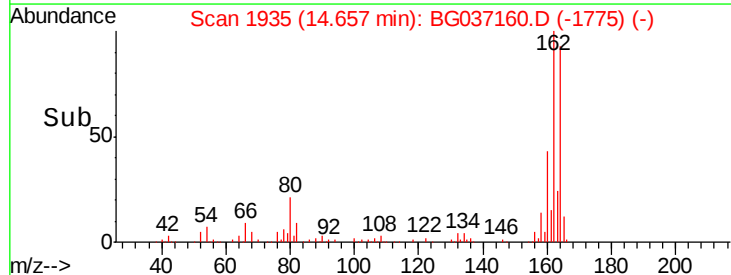
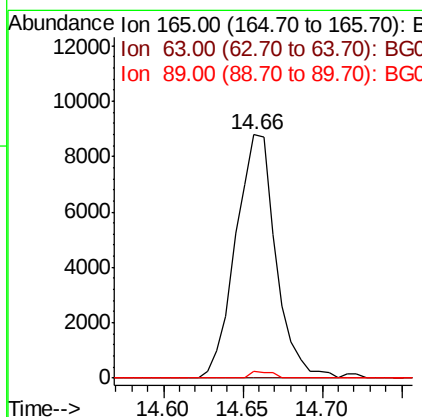
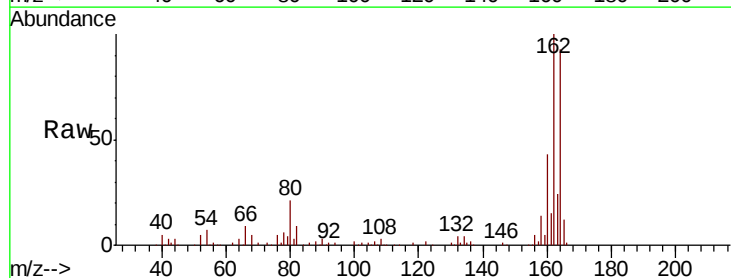
Instrument :
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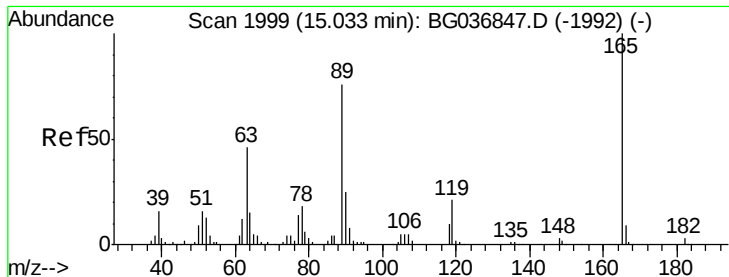
Tgt Ion:172 Resp: 641424
 Ion Ratio Lower Upper
 172 100
 171 38.0 31.3 46.9
 170 24.3 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.195 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG037160.D
 Acq: 4 Oct 2018 18:10

Tgt Ion:165 Resp: 15377
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 3.0 47.8 71.6#

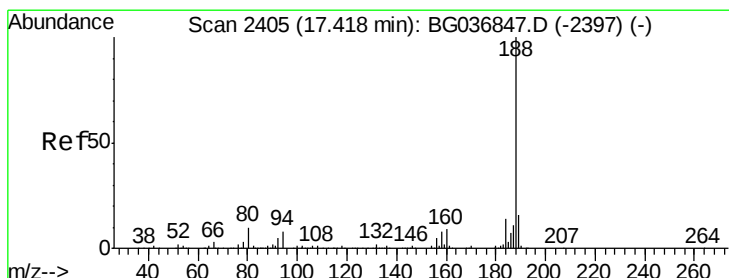
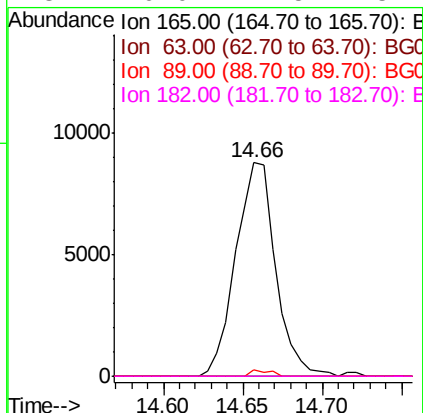
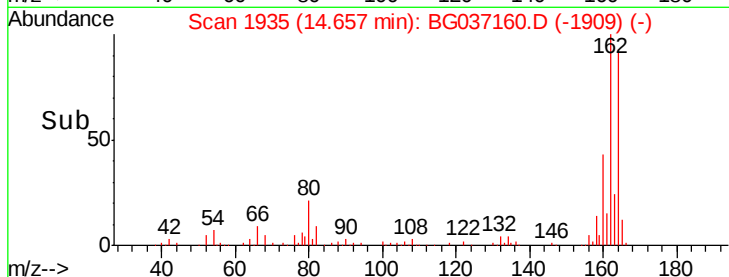
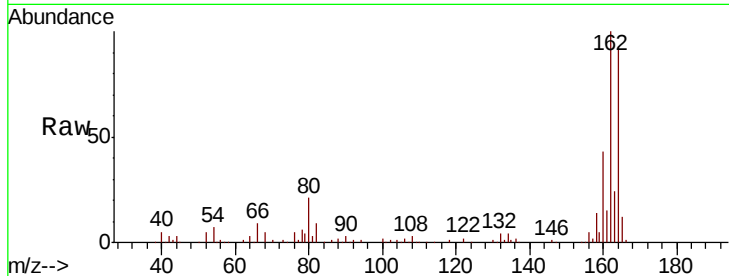




#56
 2,4-Dinitrotoluene
 Concen: 5.156 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.38 min
 Lab File: BG037160.D
 Acq: 4 Oct 2018 18:10

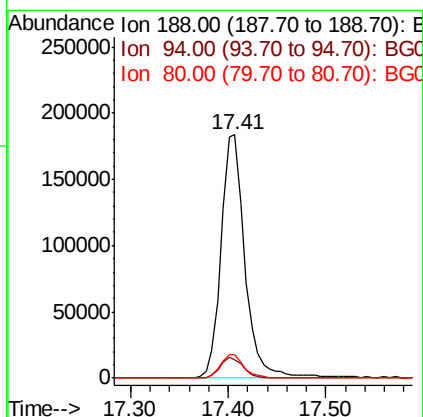
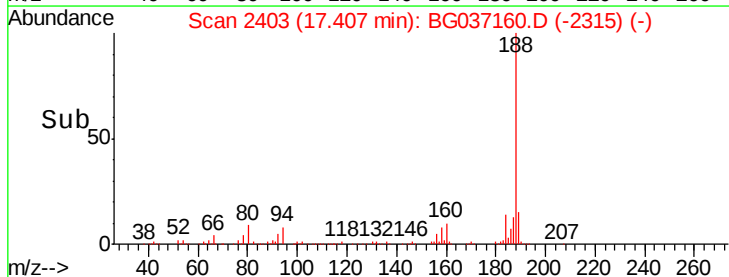
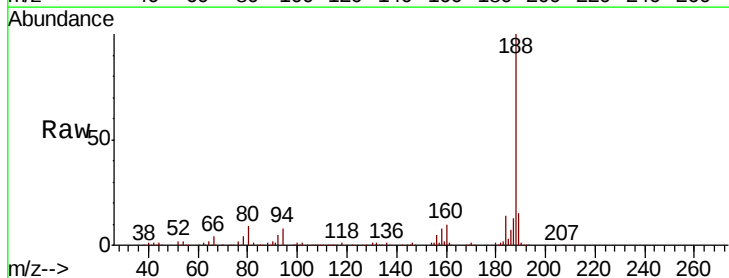
Instrument :
 BNA_G
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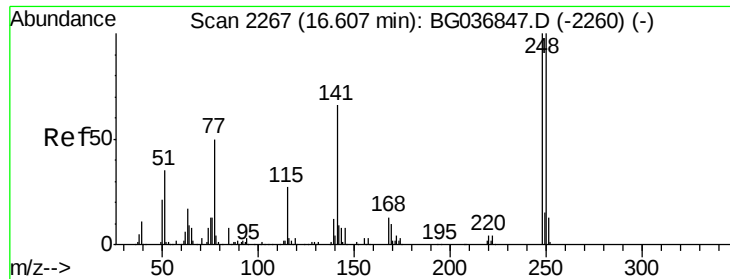
Tgt Ion:	165	Resp:	15377
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	3.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037160.D
 Acq: 4 Oct 2018 18:10

Tgt Ion:	188	Resp:	312041
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.4	8.1	12.1





#66

4-Bromophenyl-phenylether

Concen: 3.869 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

Instrument :

BNA_G

ClientSampleId :

HR-06-100218-C

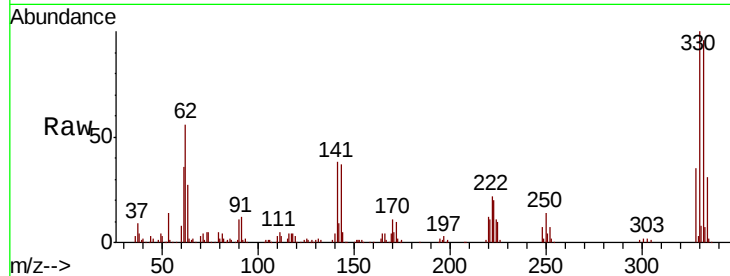
Tgt Ion:248 Resp: 13734

Ion Ratio Lower Upper

248 100

250 192.9 78.1 117.1#

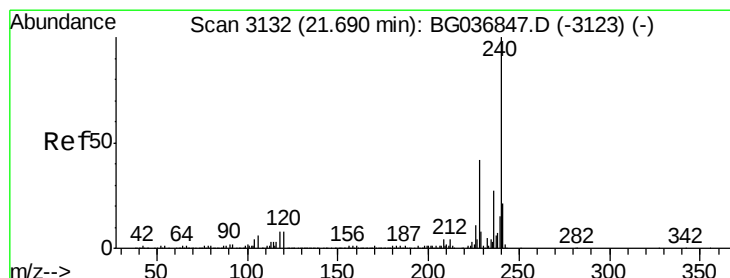
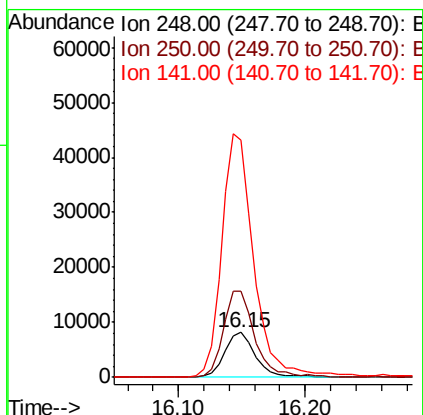
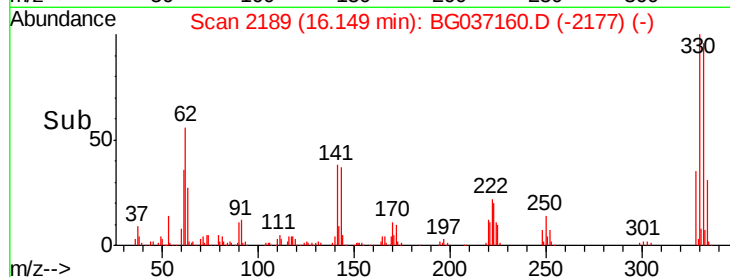
141 531.1 53.7 80.5#



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: BG037160.D

Acq: 4 Oct 2018 18:10

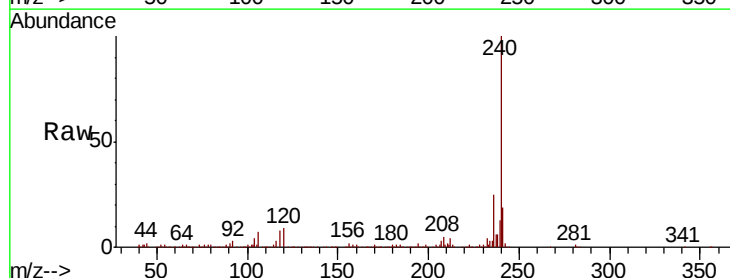
Tgt Ion:240 Resp: 336405

Ion Ratio Lower Upper

240 100

120 9.3 6.9 10.3

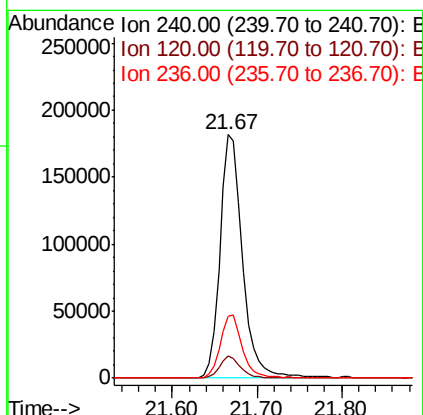
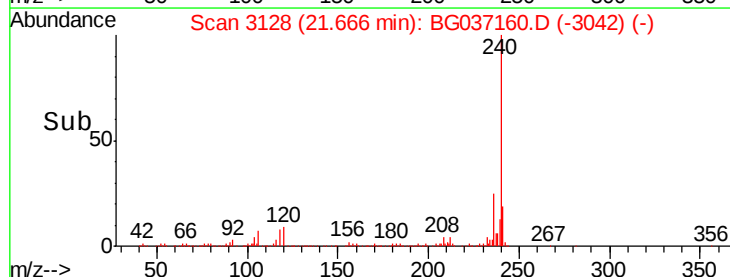
236 25.4 21.2 31.8



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: 2.059 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

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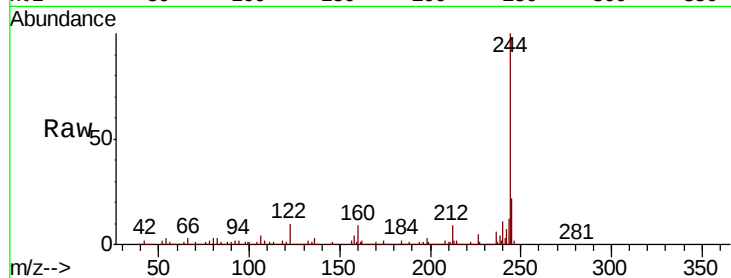
Tgt Ion:184 Resp: 20939

Ion Ratio Lower Upper

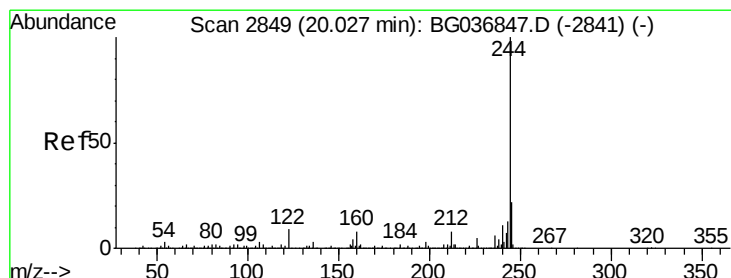
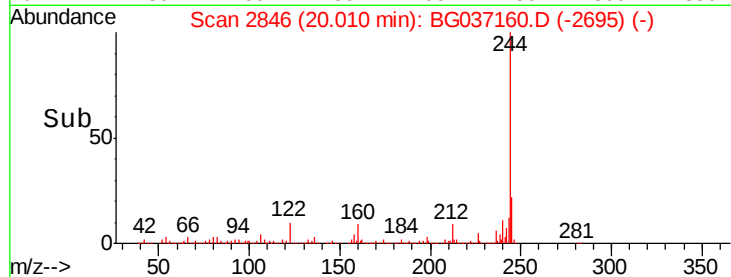
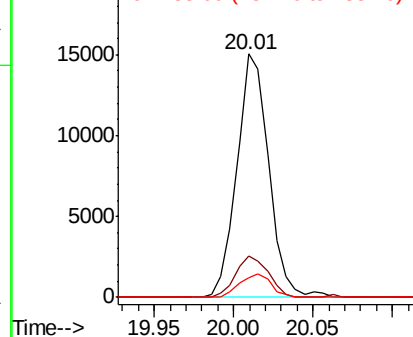
184 100

185 17.1 12.6 18.8

183 8.1 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: 92.458 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037160.D

Acq: 4 Oct 2018 18:10

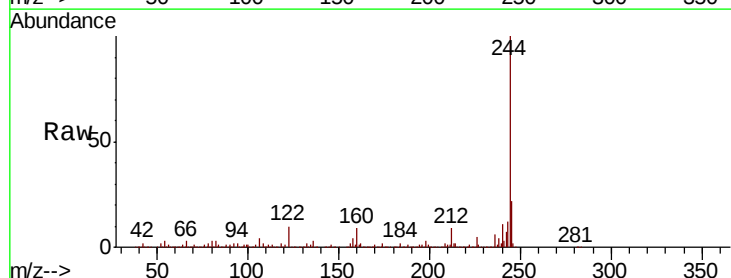
Tgt Ion:244 Resp: 1182859

Ion Ratio Lower Upper

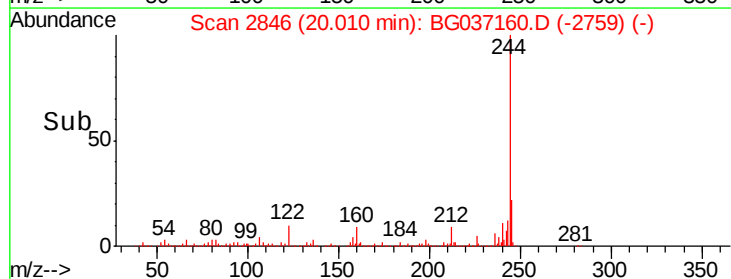
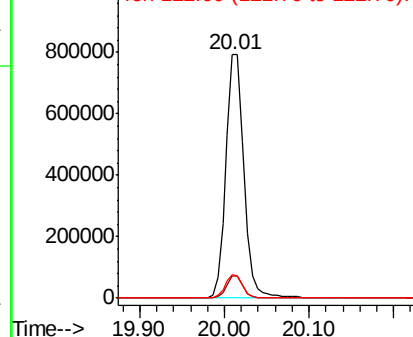
244 100

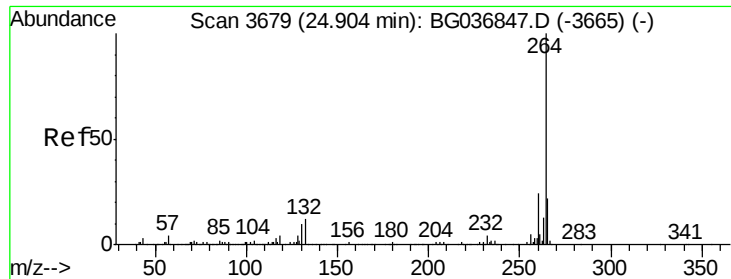
212 9.0 7.0 10.6

122 9.8 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: 24.87 min Scan# 3673
Delta R.T. -0.04 min
Lab File: BG037160.D
Acq: 4 Oct 2018 18:10

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

Tgt Ion:	264	Resp:	330153
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	20.8	17.4	26.0

