

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100518\
 Data File : BG037180.D
 Acq On : 5 Oct 2018 8:40
 Operator : JU/SJ
 Sample : J5241-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 100218-TIPC-E-U-M

Quant Time: Oct 05 11:05:39 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

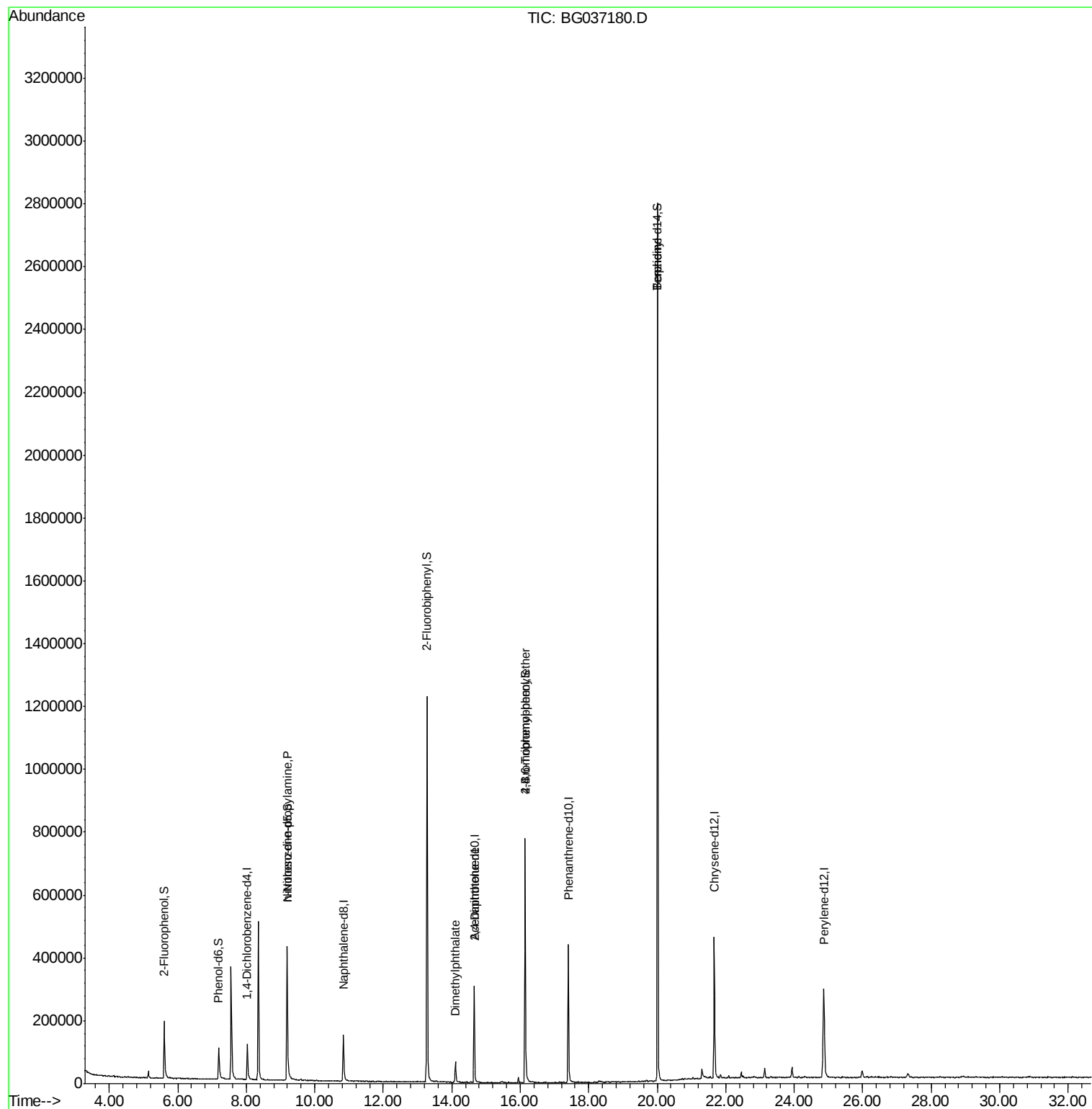
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37892	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	157533	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	110454	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	306333	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	305620	20.00	ng	-0.02
86) Perylene-d12	24.86	264	301909	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	98092	49.65	ng	-0.02
7) Phenol-d6	7.20	99	83772	27.40	ng	-0.02
23) Nitrobenzene-d5	9.19	82	324631	110.35	ng	-0.02
41) 2,4,6-Tribromophenol	16.14	330	145429	110.05	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	690357	93.09	ng	-0.02
78) Terphenyl-d14	20.01	244	1329408	114.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	41821	16.445	ng	# 71
49) Dimethylphthalate	14.11	163	57421	6.458	ng	# 99
56) 2,4-Dinitrotoluene	14.66	165	14018	5.179	ng	# 21
66) 4-Bromophenyl-phenylether	16.14	248	10297	2.955	ng	# 1
76) Benzidine	20.01	184	24114	2.610	ng	# 93

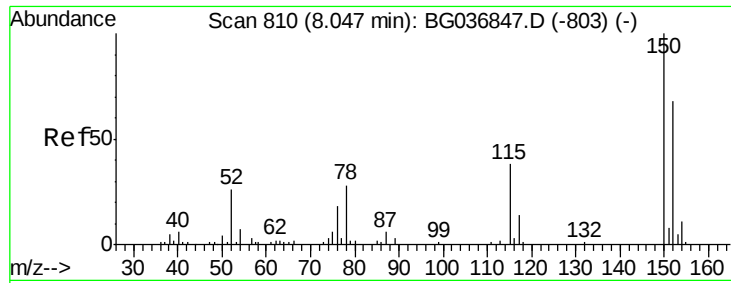
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
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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: BG037180.D

Acq: 5 Oct 2018 8:40

Instrument :

BNA_G

ClientSampleId :

100218-TIPC-E-U-M

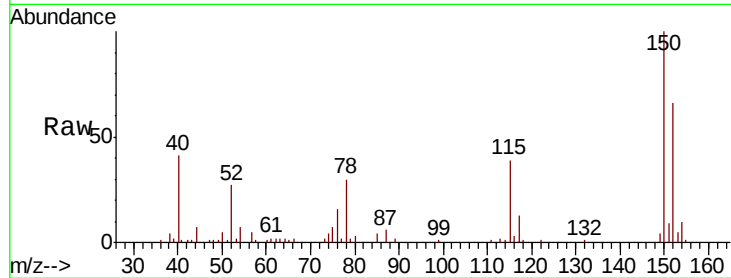
Tot Ion:152 Resp: 37892

Ion Ratio Lower Upper

152 100

150 152.0 119.5 179.3

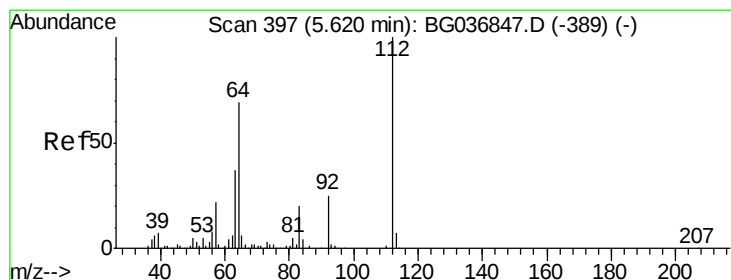
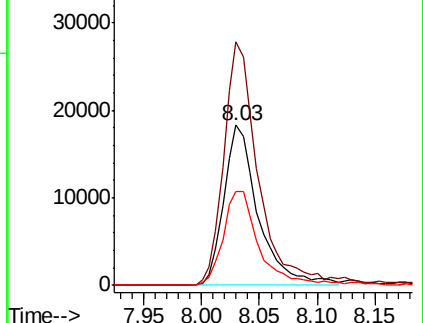
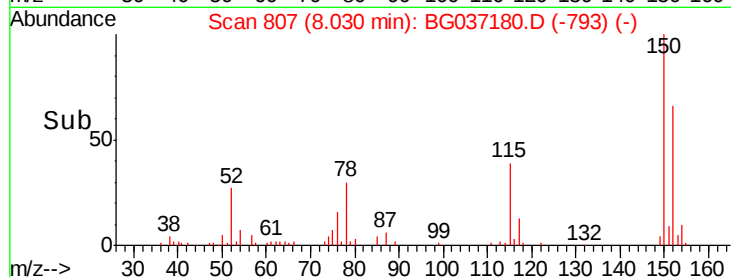
115 58.9 44.5 66.7



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: 49.646 ng

RT: 5.60 min Scan# 394

Delta R.T. -0.02 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

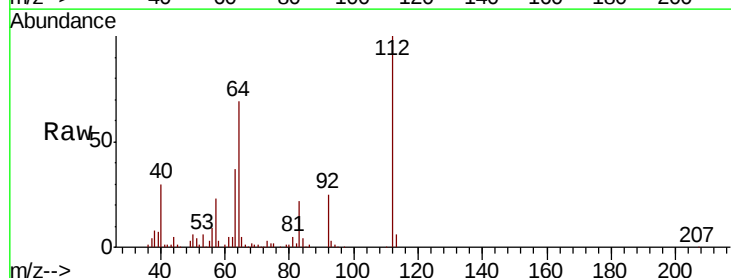
Tgt Ion:112 Resp: 98092

Ion Ratio Lower Upper

112 100

64 69.1 57.2 85.8

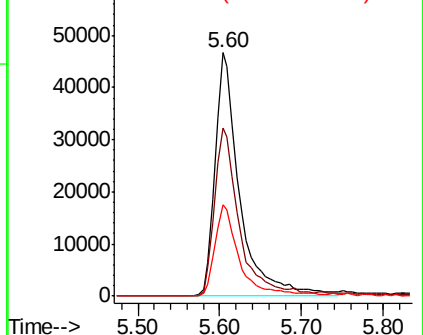
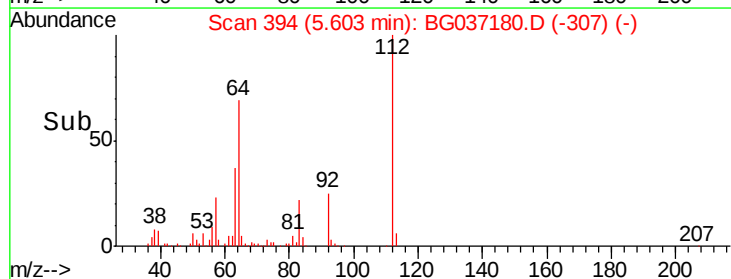
63 37.5 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 27.404 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

Instrument :

BNA_G

ClientSampleId :

100218-TIPC-E-U-M

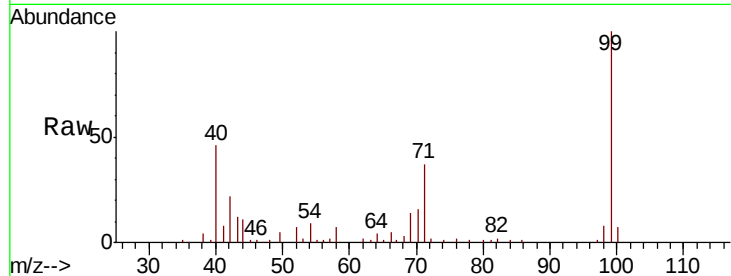
Tot Ion: 99 Resp: 83772

Ion Ratio Lower Upper

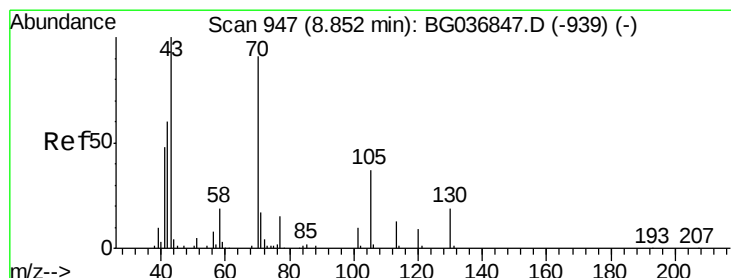
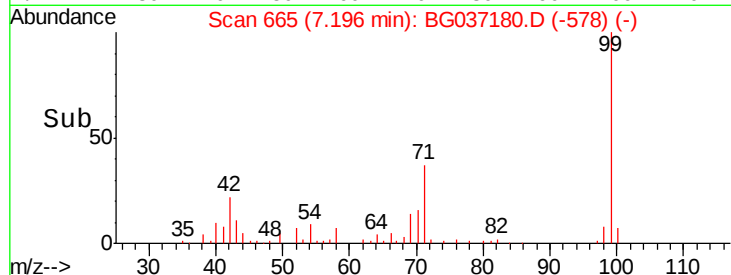
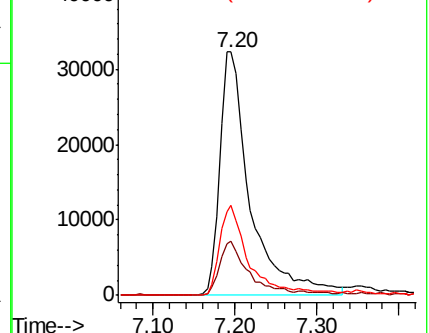
99 100

42 22.4 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: 16.445 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

Tgt Ion: 70 Resp: 41821

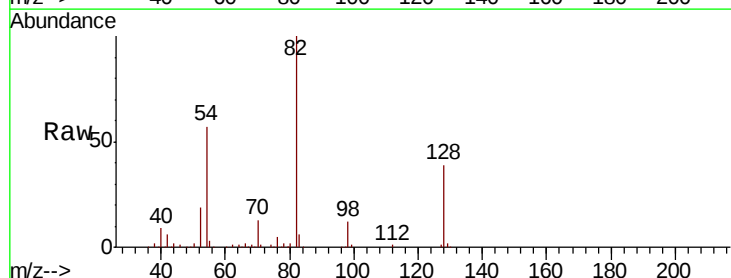
Ion Ratio Lower Upper

70 100

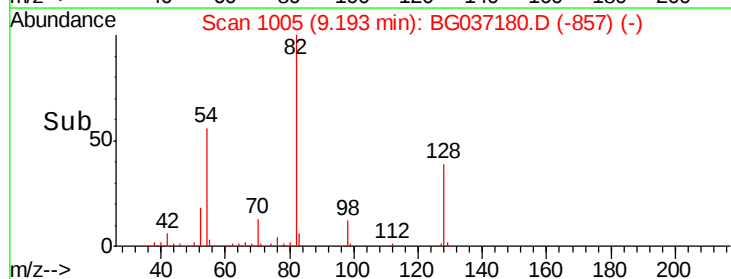
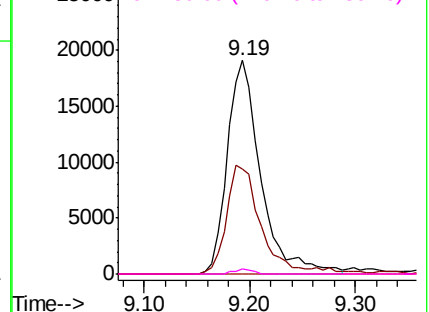
42 49.0 56.2 84.4#

101 0.0 7.8 11.6#

130 2.1 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

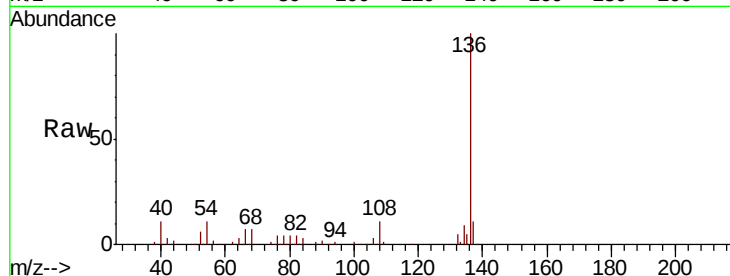




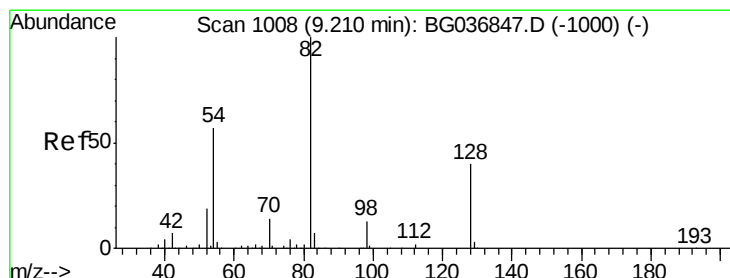
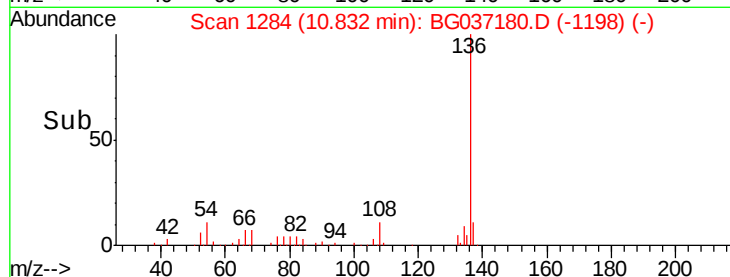
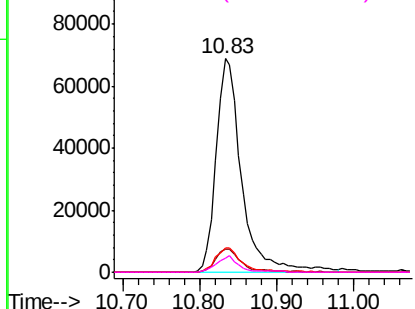
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Instrument :
BNA_G
ClientSampleId :
100218-TIPC-E-U-M

Tot Ion:136	Resp:	157533
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	11.2	9.2 13.8
68	6.6	5.8 8.6

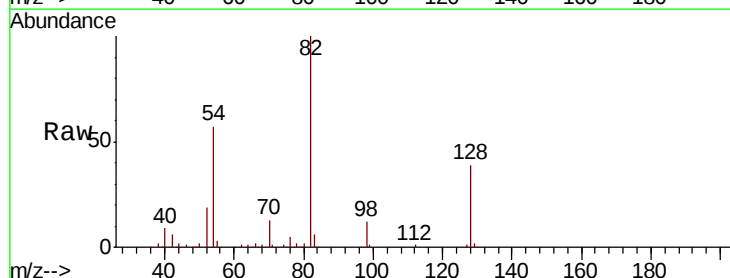


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

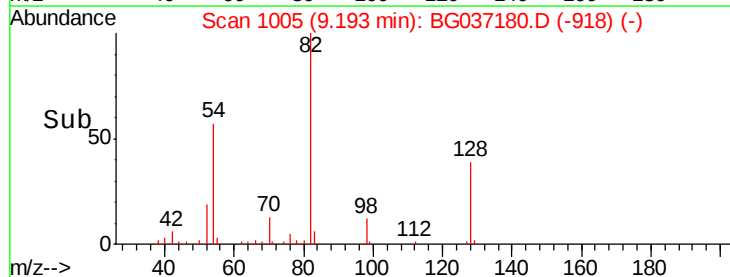
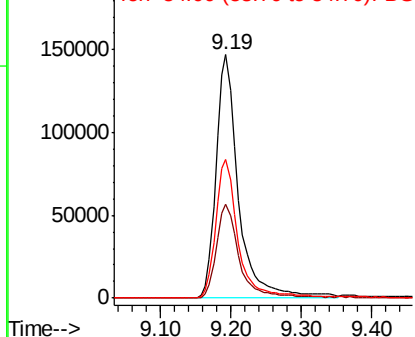


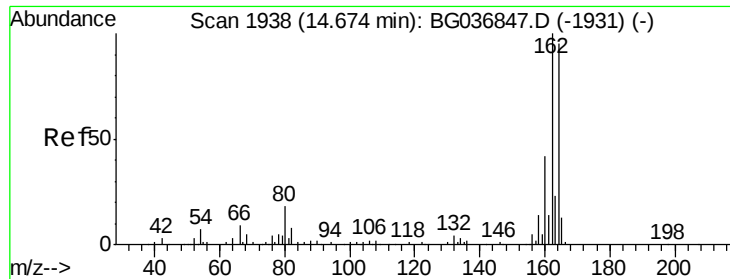
#23
Nitrobenzene-d5
Concen: 110.354 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Tgt Ion: 82	Resp:	324631
Ion	Ratio	Lower Upper
82	100	
128	38.8	33.3 49.9
54	56.8	45.1 67.7



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: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

Instrument :

BNA_G

ClientSampleId :

100218-TIPC-E-U-M

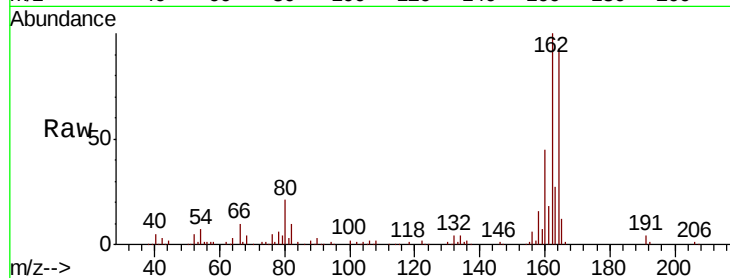
Tot Ion:164 Resp: 110454

Ion Ratio Lower Upper

164 100

162 107.7 80.7 121.1

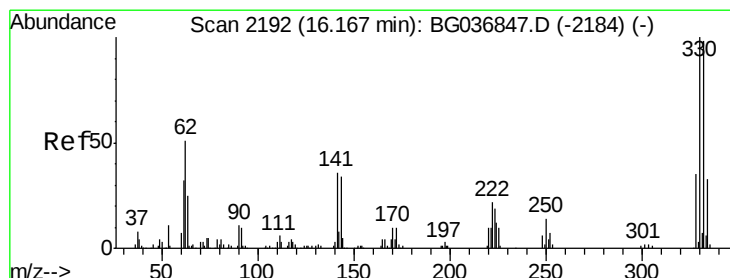
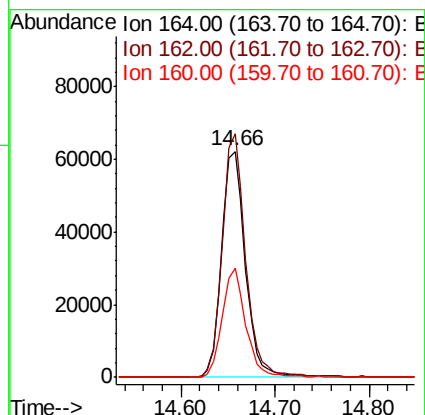
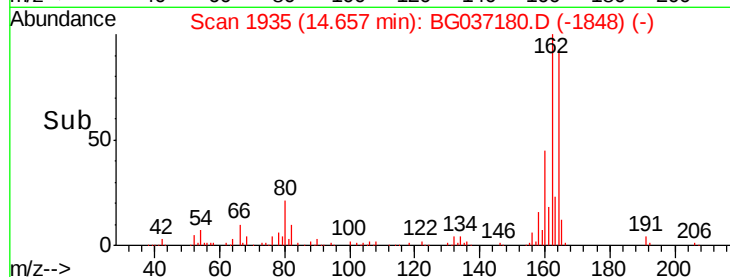
160 48.0 35.3 52.9



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: 110.047 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

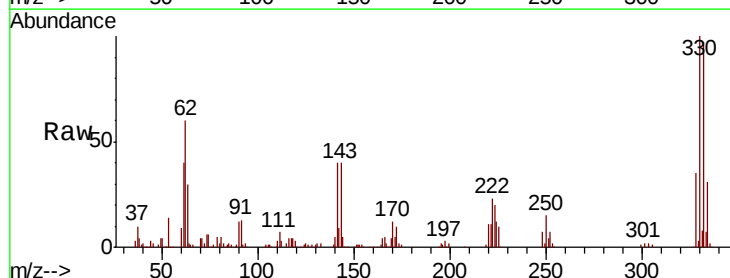
Tgt Ion:330 Resp: 145429

Ion Ratio Lower Upper

330 100

332 96.9 75.4 113.2

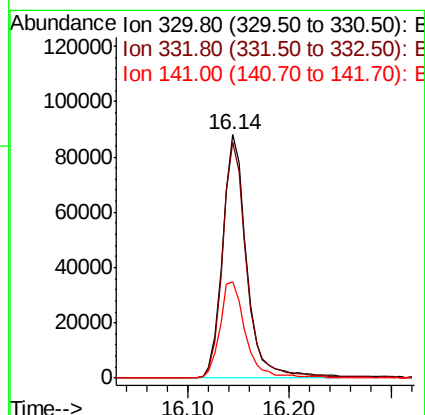
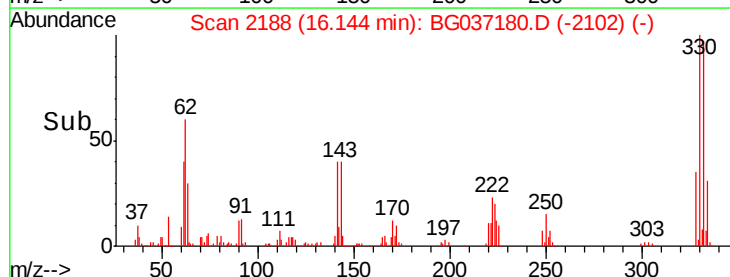
141 42.4 30.7 46.1



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

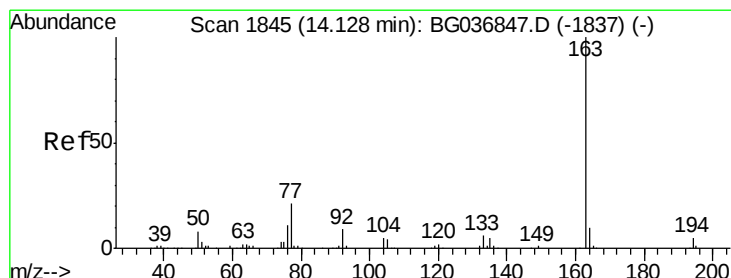
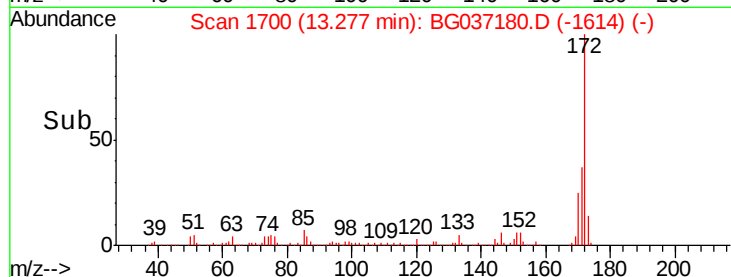
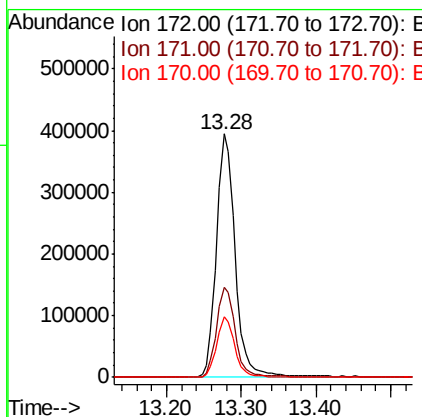
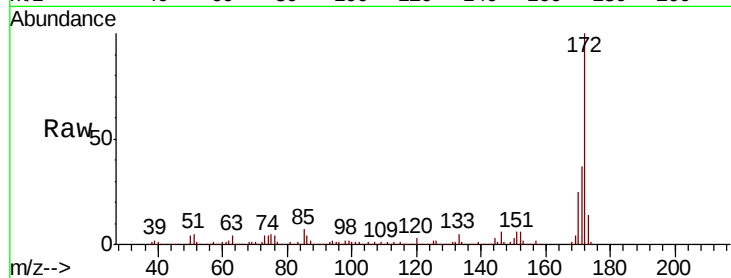




#44
2-Fluorobiphenyl
Concen: 93.089 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.02 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

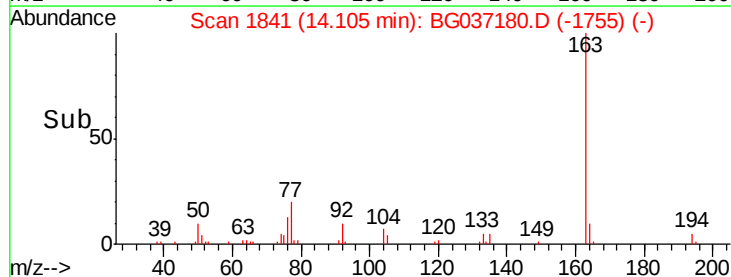
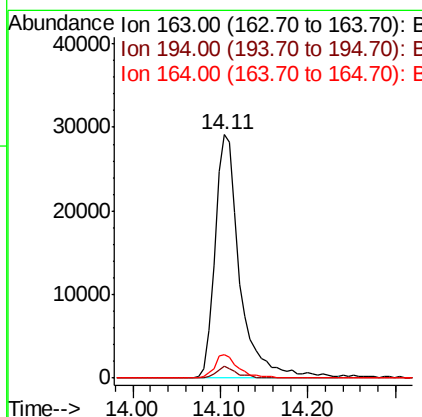
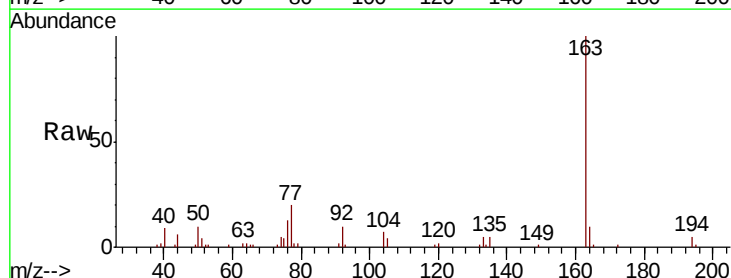
Instrument :
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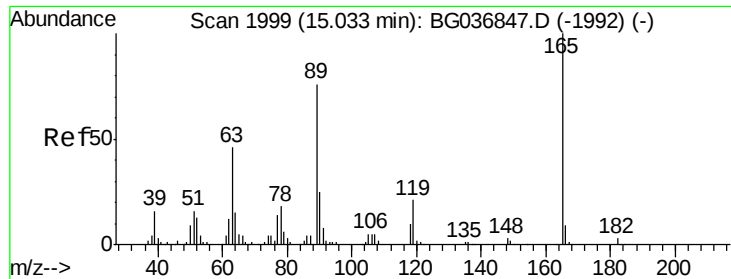
Tot Ion:172 Resp: 690357
Ion Ratio Lower Upper
172 100
171 37.0 31.3 46.9
170 25.0 21.0 31.6



#49
Dimethylphthalate
Concen: 6.458 ng
RT: 14.11 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Tgt Ion:163 Resp: 57421
Ion Ratio Lower Upper
163 100
194 4.7 4.0 6.0
164 9.7 8.1 12.1

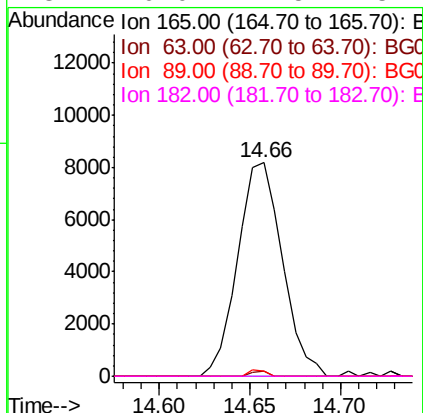
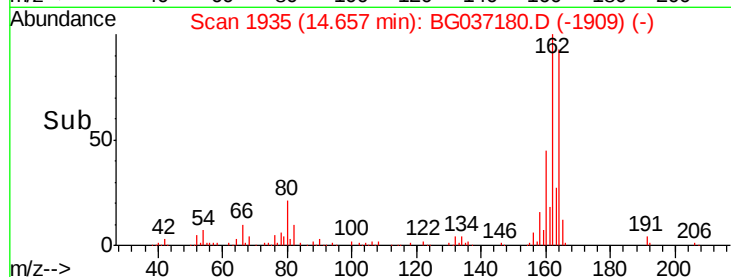
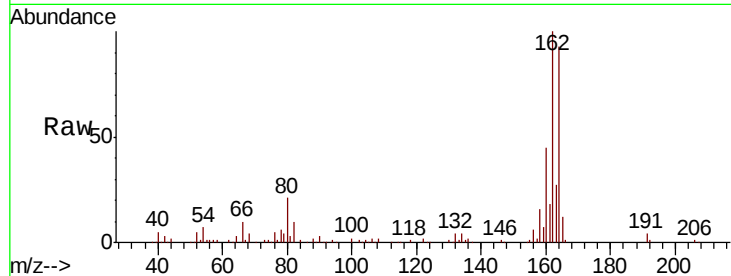




#56
 2,4-Dinitrotoluene
 Concen: 5.179 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. -0.38 min
 Lab File: BG037180.D
 Acq: 5 Oct 2018 8:40

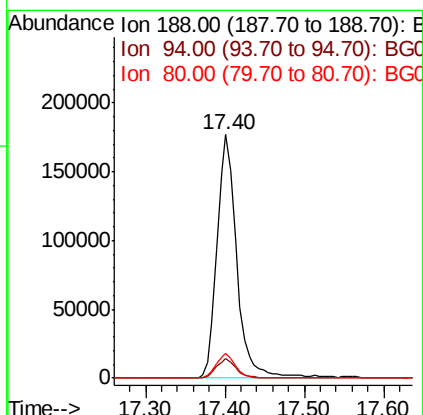
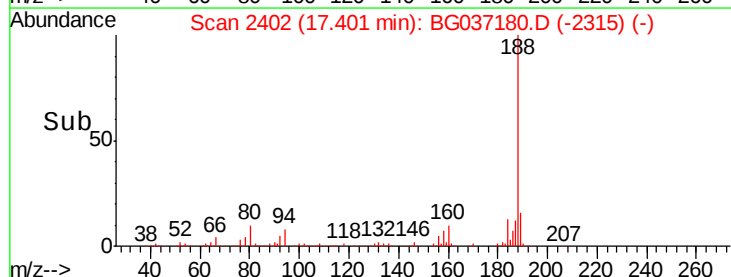
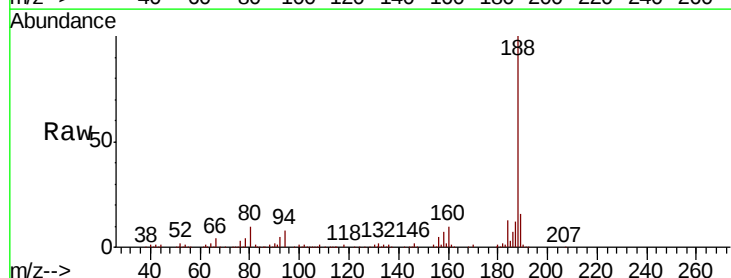
Instrument :
 BNA_G
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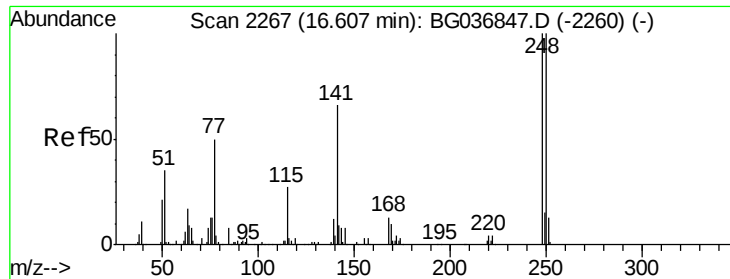
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	40.1	60.1#
89	2.5	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2402
 Delta R.T. -0.02 min
 Lab File: BG037180.D
 Acq: 5 Oct 2018 8:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.7	10.1
80	10.2	8.1	12.1

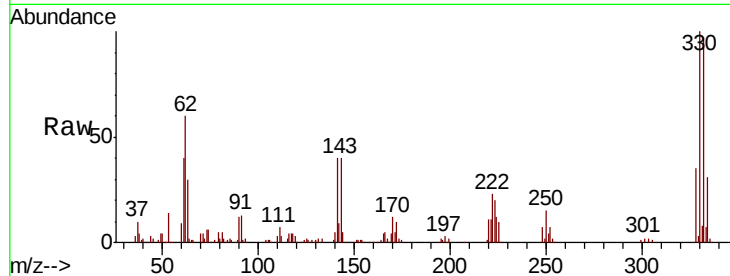




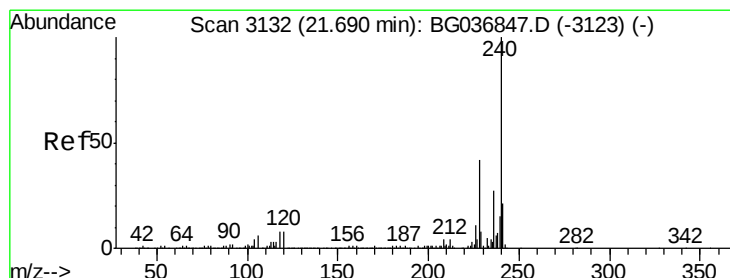
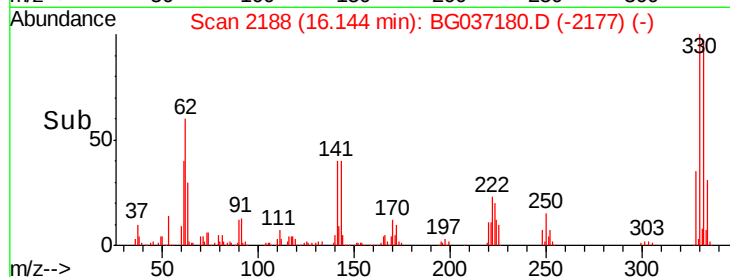
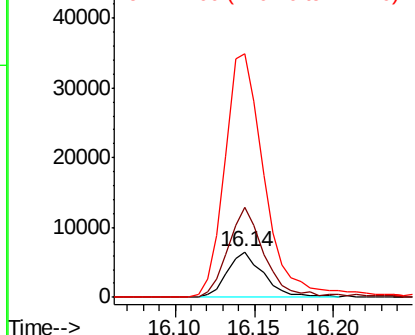
#66
4-Bromophenyl-phenylether
Concen: 2.955 ng
RT: 16.14 min Scan# 2188
Delta R.T. -0.46 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Instrument :
BNA_G
ClientSampleId :
100218-TIPC-E-U-M

Tot Ion:248 Resp: 10297
Ion Ratio Lower Upper
248 100
250 196.6 78.1 117.1#
141 532.9 53.7 80.5#

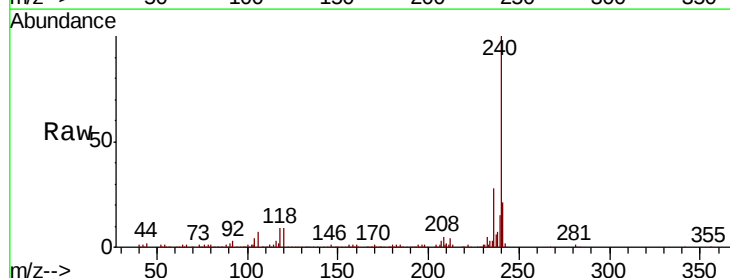


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

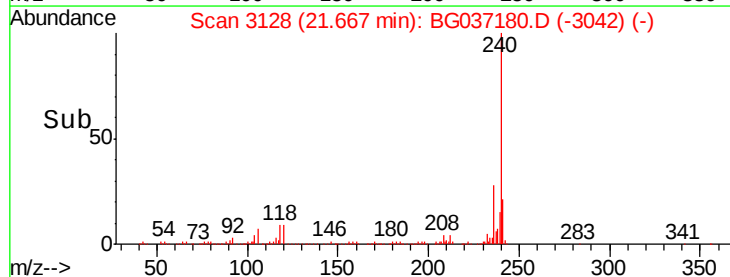
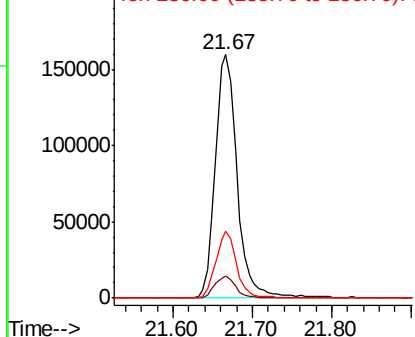


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Tgt Ion:240 Resp: 305620
Ion Ratio Lower Upper
240 100
120 9.2 6.9 10.3
236 27.6 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: 2.610 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

Instrument :

BNA_G

ClientSampleId :

100218-TIPC-E-U-M

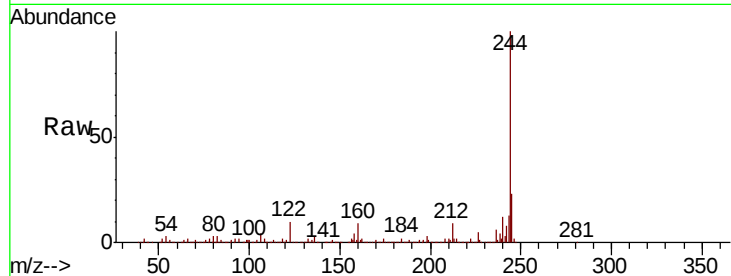
Tot Ion:184 Resp: 24114

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

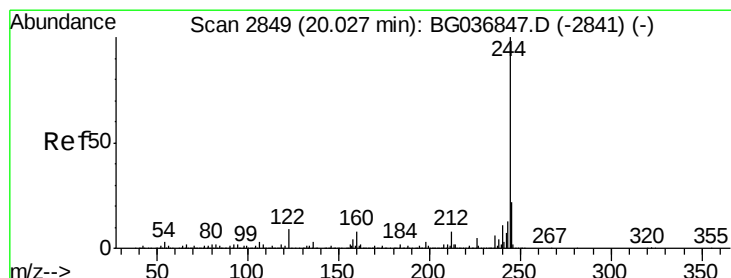
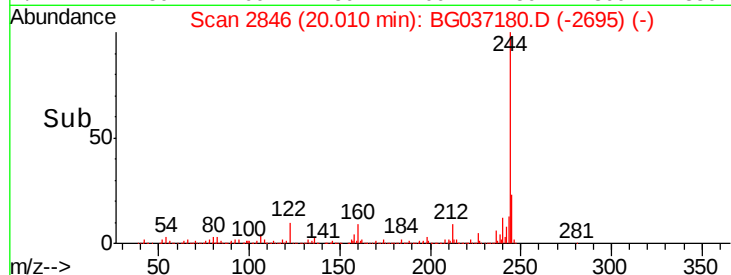
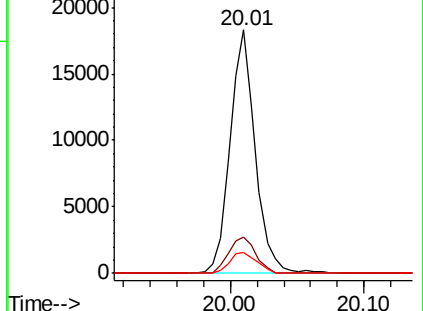
183 8.4 10.9 16.3#



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: 114.379 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037180.D

Acq: 5 Oct 2018 8:40

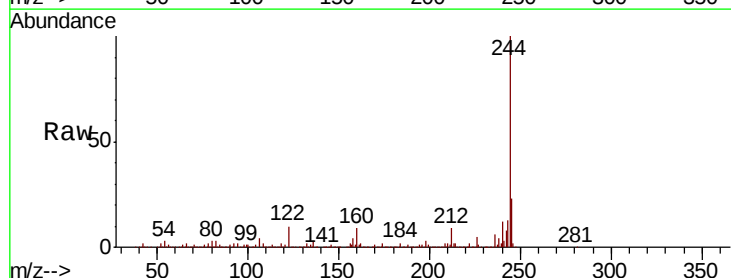
Tgt Ion:244 Resp: 1329408

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

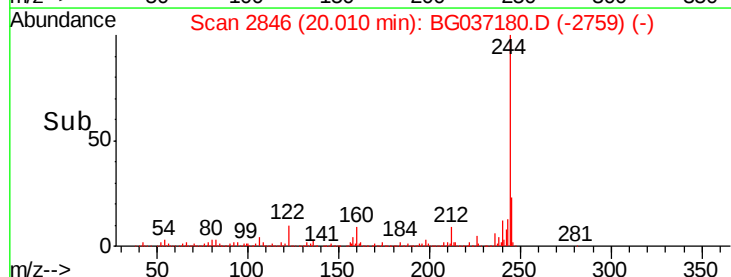
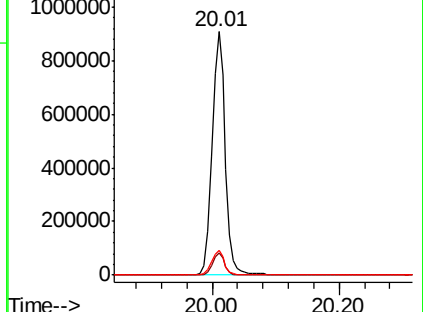
122 10.2 7.1 10.7

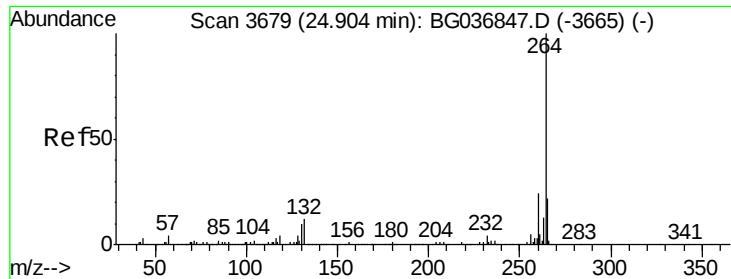


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3672
Delta R.T. -0.04 min
Lab File: BG037180.D
Acq: 5 Oct 2018 8:40

Instrument :
BNA_G
ClientSampleId :
100218-TIPC-E-U-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	20.9	17.4	26.0

