

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037040.D
 Acq On : 28 Sep 2018 8:15
 Operator : JU/SJ
 Sample : J5076-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:25:46 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

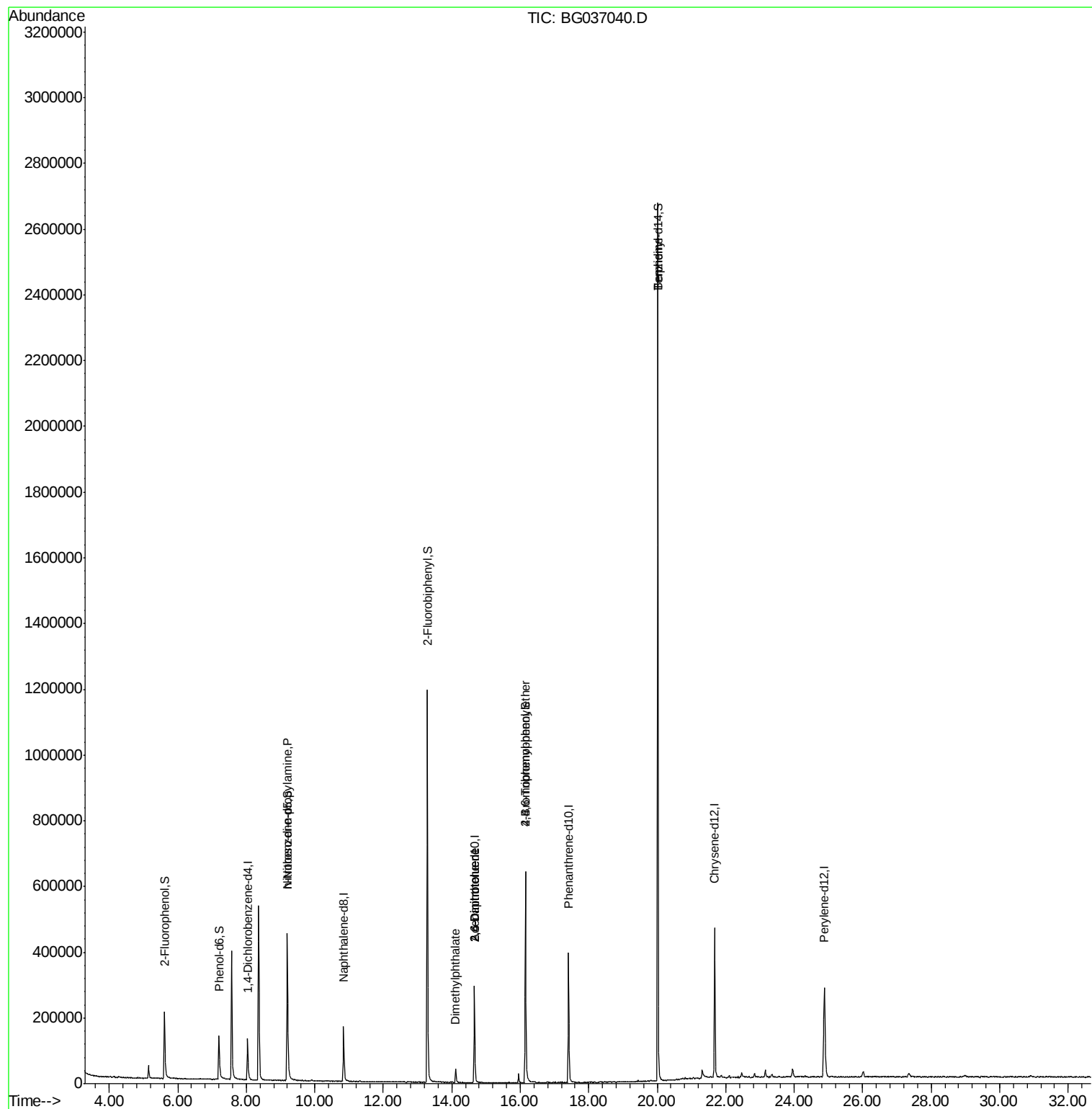
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42353	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	171306	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	109016	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	289046	20.00	ng	0.00
75) Chrysene-d12	21.68	240	305865	20.00	ng	-0.01
86) Perylene-d12	24.88	264	303647	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	107808	48.82	ng	0.00
7) Phenol-d6	7.20	99	100655	29.46	ng	-0.01
23) Nitrobenzene-d5	9.20	82	332215	103.85	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	131930	101.15	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	675261	92.25	ng	-0.01
78) Terphenyl-d14	20.02	244	1302989	112.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	44585	15.686	ng	# 74
49) Dimethylphthalate	14.11	163	35625	4.060	ng	# 95
50) 2,6-Dinitrotoluene	14.66	165	13458	7.029	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	13459	5.038	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	8999	2.737	ng	# 1
76) Benzidine	20.02	184	23243	2.514	ng	# 91

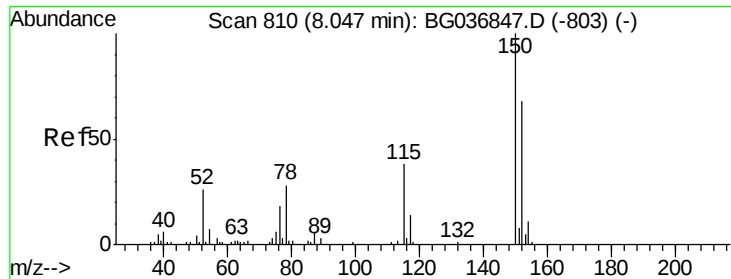
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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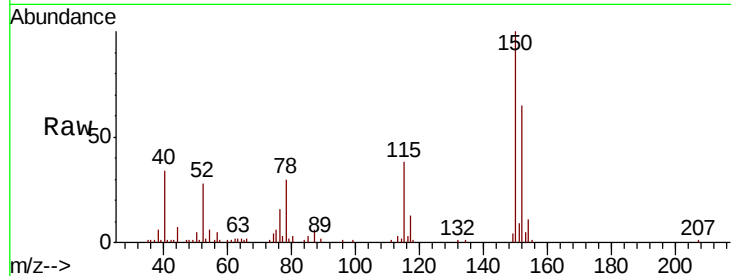


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.00 min
Lab File: BG037040.D
Acq: 28 Sep 2018 8:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	119.5	179.3
115	58.7	44.5	66.7

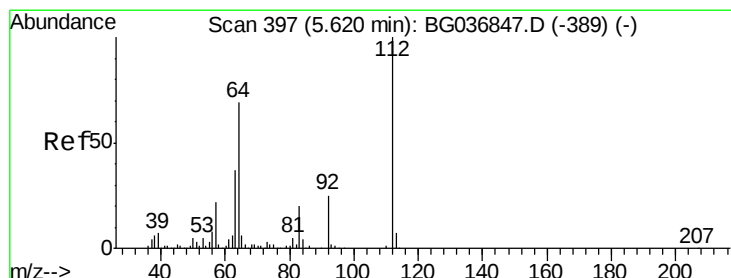
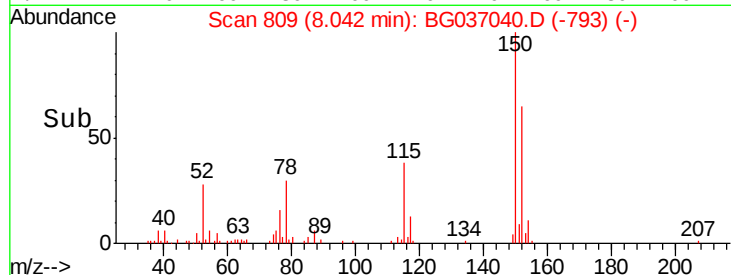
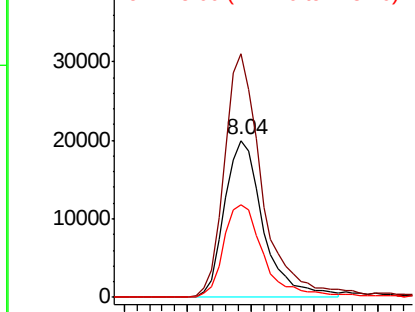


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

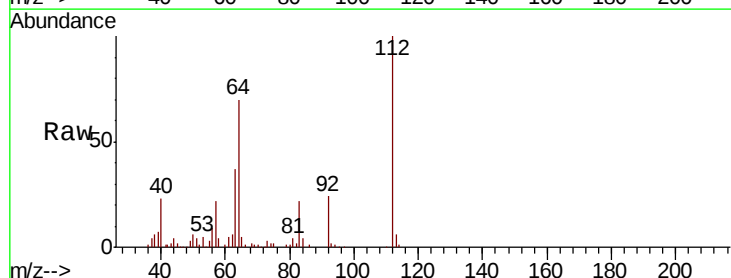
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.816 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037040.D
Acq: 28 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.2	85.8
63	36.6	30.8	46.2

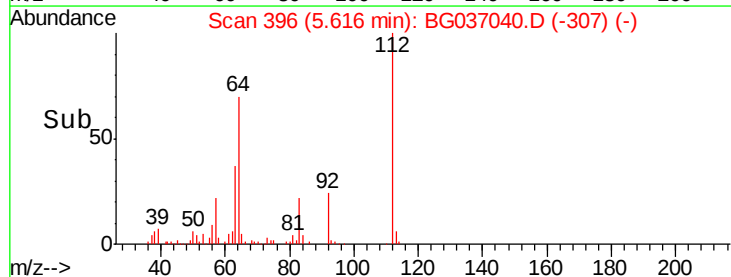
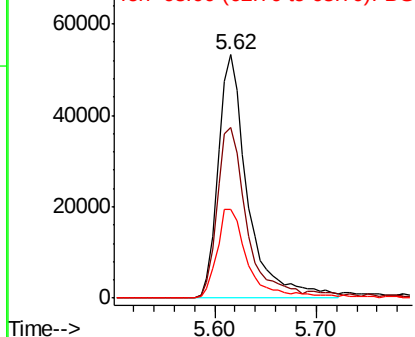


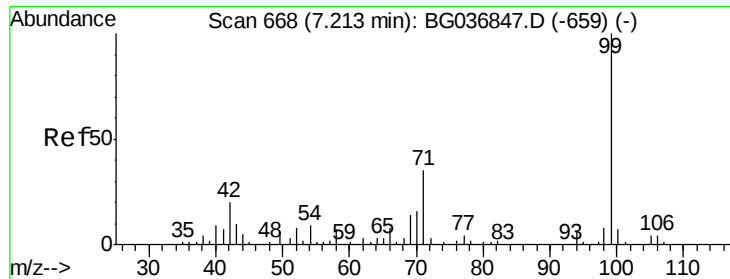
Abundance

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: 29.459 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampled :

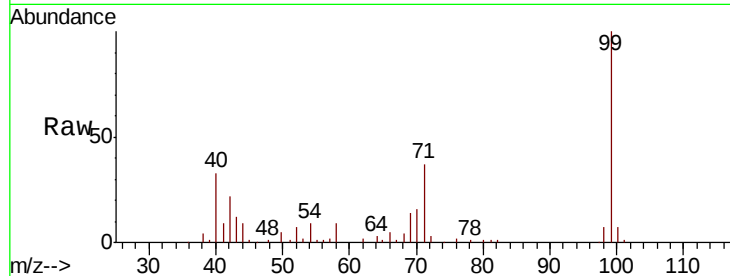
Tot Ion: 99 Resp: 100655

Ion Ratio Lower Upper

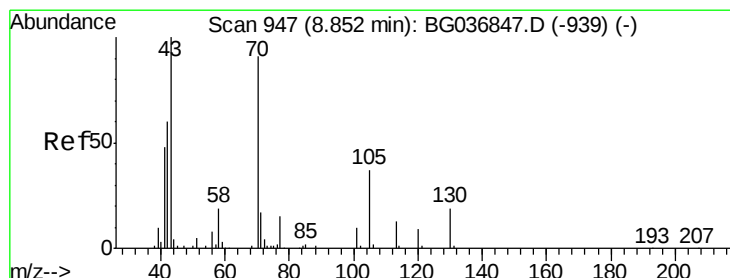
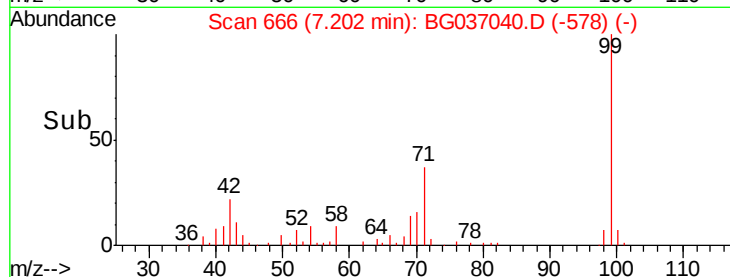
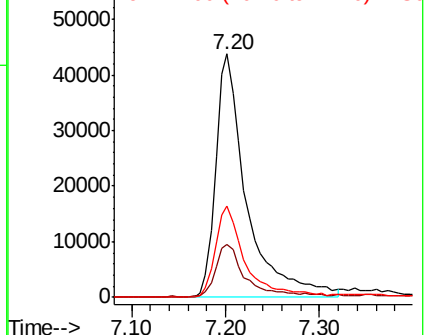
99 100

42 21.6 16.5 24.7

71 37.3 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: 15.686 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Tgt Ion: 70 Resp: 44585

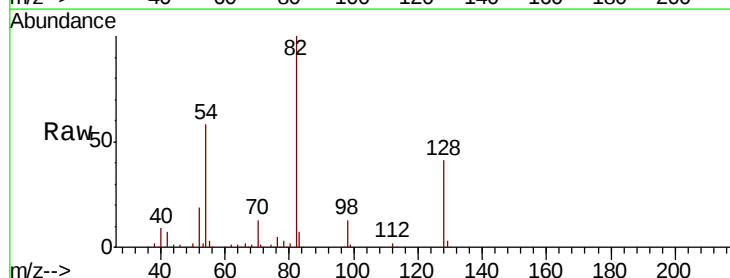
Ion Ratio Lower Upper

70 100

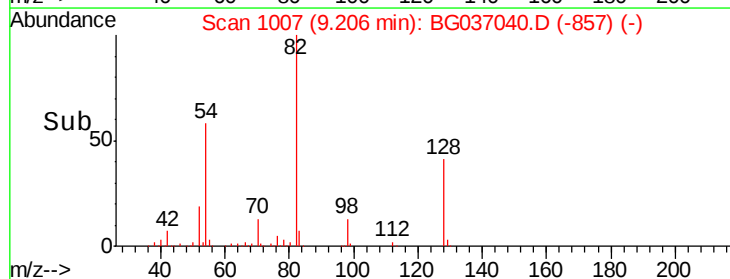
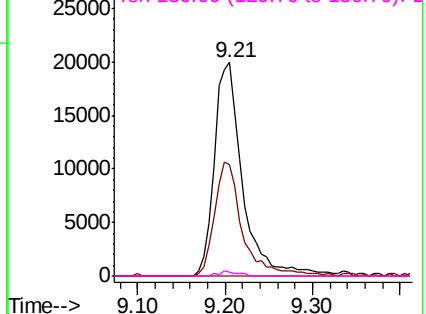
42 52.1 56.2 84.4#

101 0.0 7.8 11.6#

130 1.7 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# 1286

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 171306

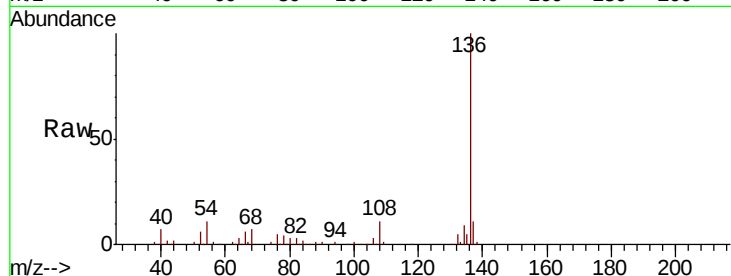
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.6 9.2 13.8

68 6.8 5.8 8.6

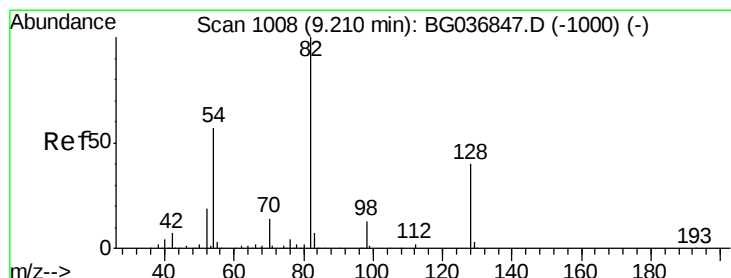
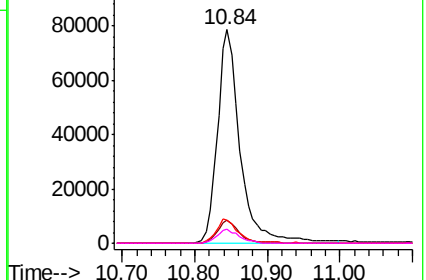
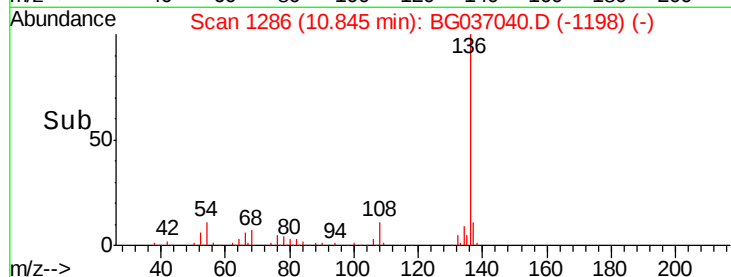


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.852 ng

RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

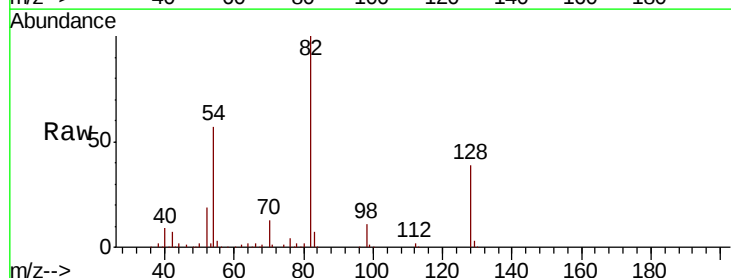
Tgt Ion: 82 Resp: 332215

Ion Ratio Lower Upper

82 100

128 39.3 33.3 49.9

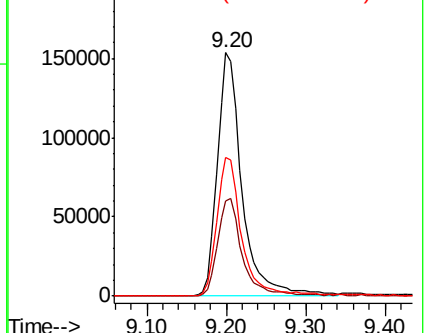
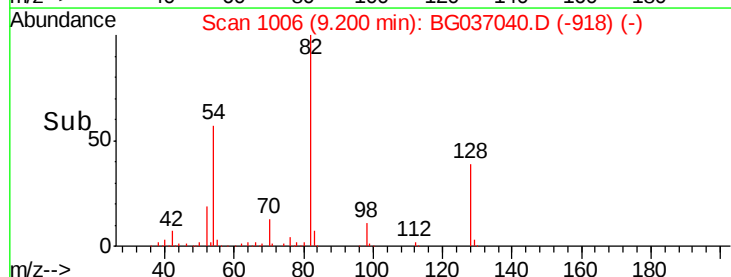
54 56.9 45.1 67.7

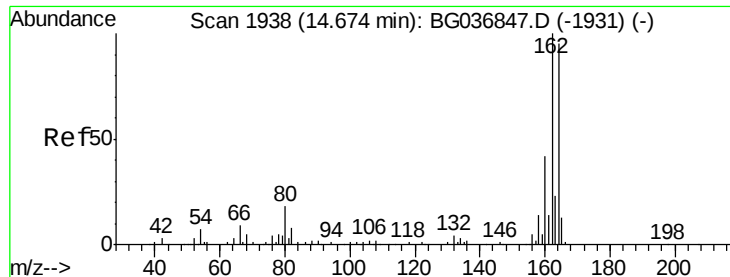


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1936

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampleId :

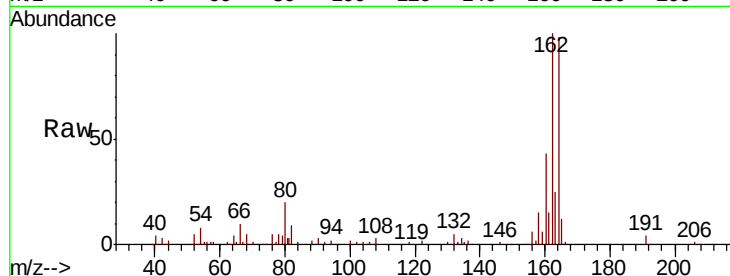
Tot Ion:164 Resp: 109016

Ion Ratio Lower Upper

164 100

162 101.8 80.7 121.1

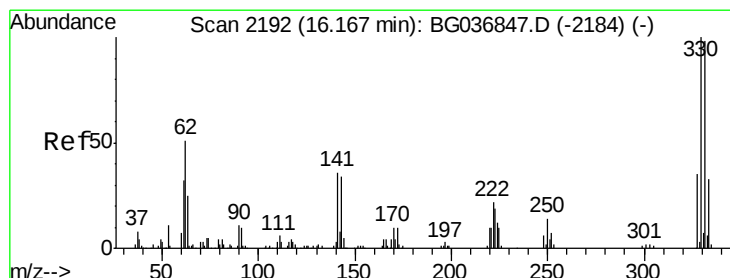
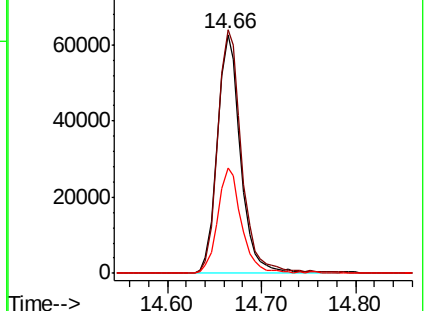
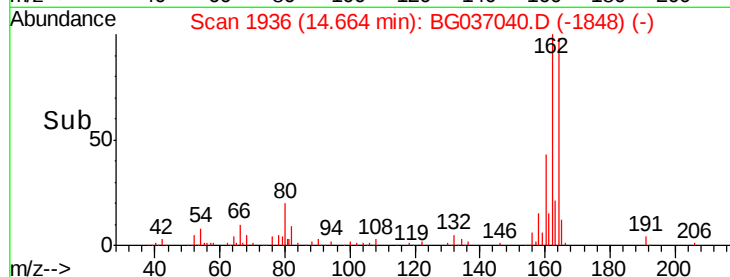
160 44.0 35.3 52.9



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: 101.149 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

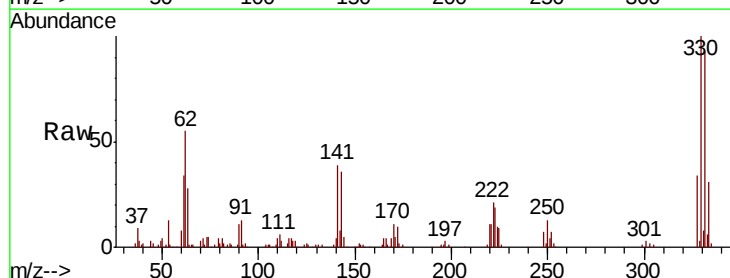
Tgt Ion:330 Resp: 131930

Ion Ratio Lower Upper

330 100

332 94.6 75.4 113.2

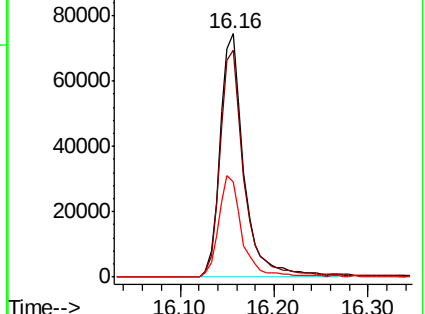
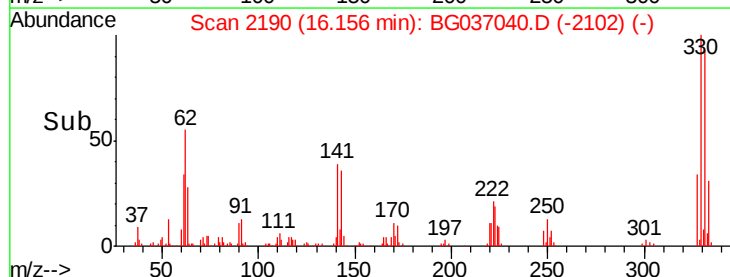
141 41.1 30.7 46.1



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

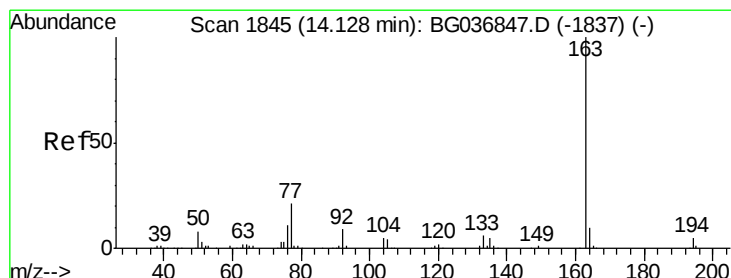
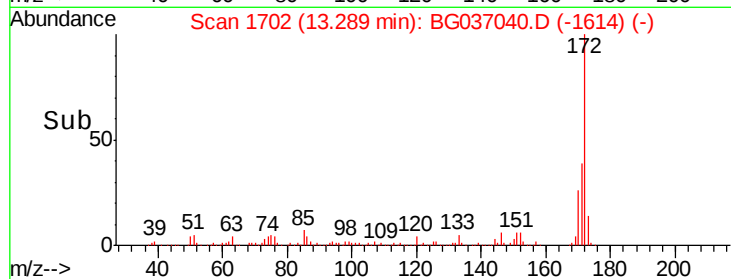
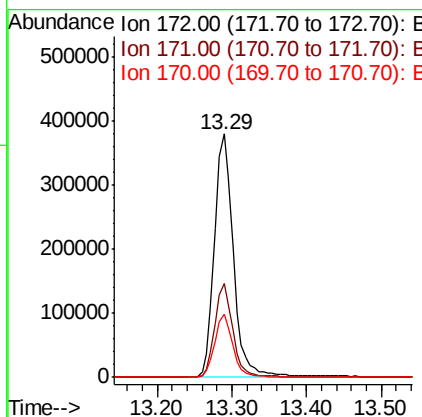
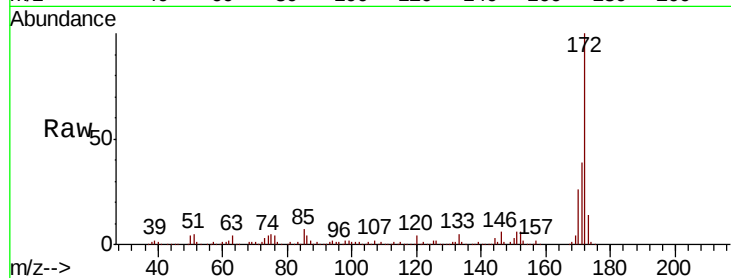




#44
2-Fluorobiphenyl
Concen: 92.255 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037040.D
Acq: 28 Sep 2018 8:15

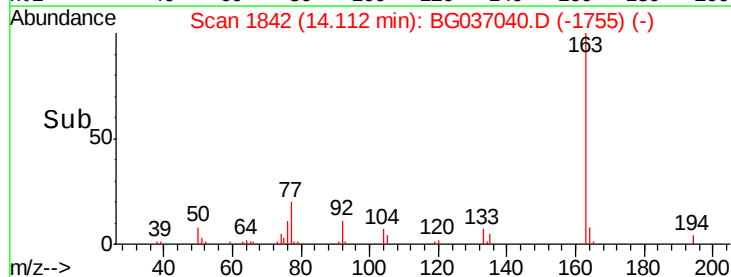
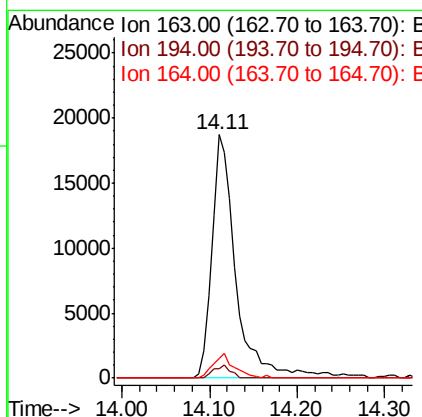
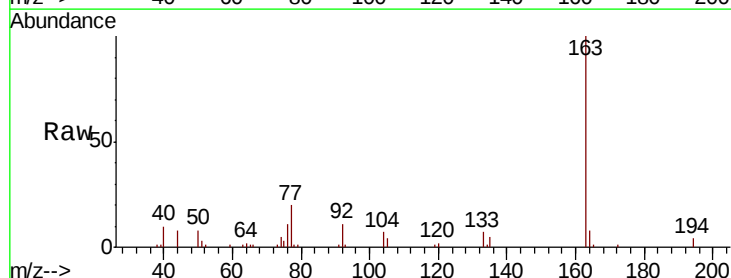
Instrument :
BNA_G
ClientSampleId :

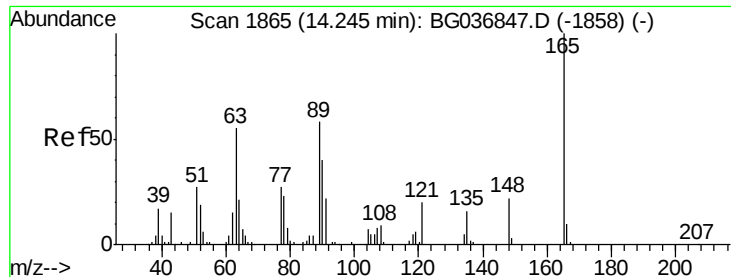
Tot Ion:172 Resp: 675261
Ion Ratio Lower Upper
172 100
171 38.6 31.3 46.9
170 26.0 21.0 31.6



#49
Dimethylphthalate
Concen: 4.060 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG037040.D
Acq: 28 Sep 2018 8:15

Tgt Ion:163 Resp: 35625
Ion Ratio Lower Upper
163 100
194 4.0 4.0 6.0
164 8.1 8.1 12.1





#50

2,6-Dinitrotoluene

Concen: 7.029 ng

RT: 14.66 min Scan# 1936

Delta R.T. 0.42 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampleId :

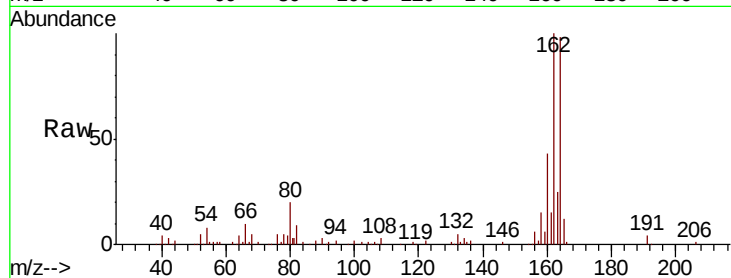
Tot Ion:165 Resp: 13458

Ion Ratio Lower Upper

165 100

63 2.4 50.1 75.1#

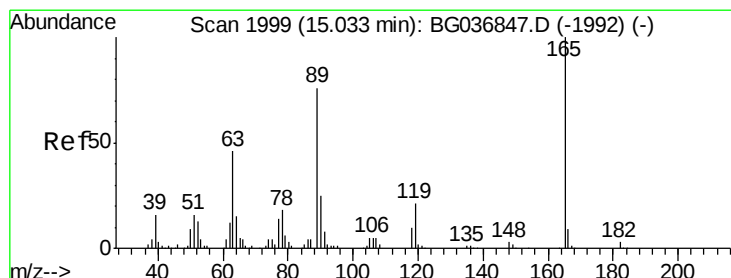
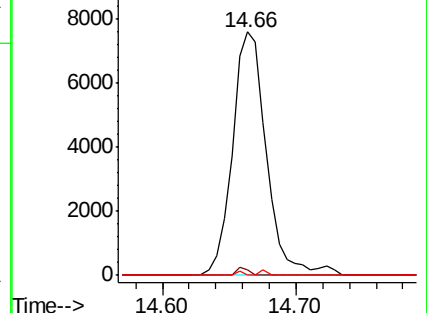
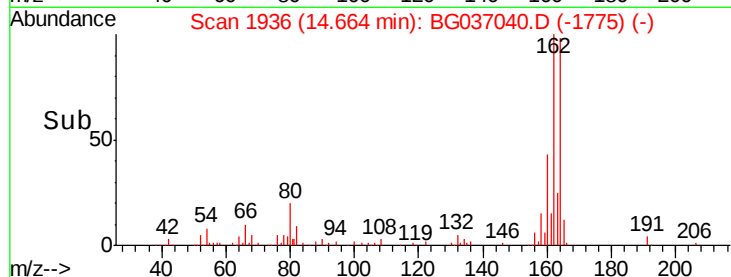
89 0.0 47.8 71.6#



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: 5.038 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.37 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Tgt Ion:165 Resp: 13459

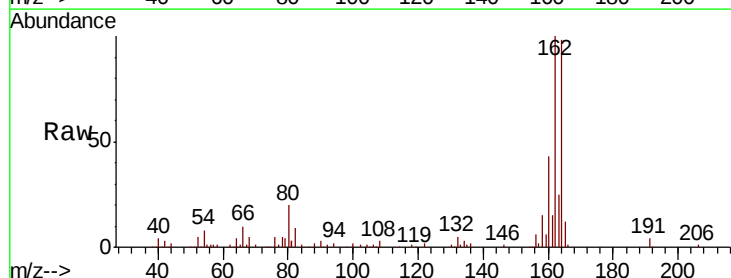
Ion Ratio Lower Upper

165 100

63 2.4 40.1 60.1#

89 0.0 63.7 95.5#

182 0.0 2.5 3.7#

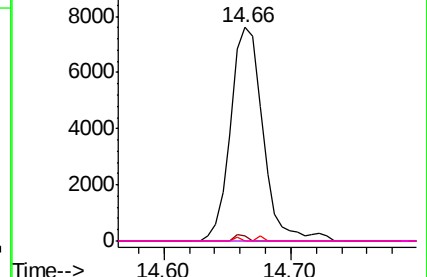
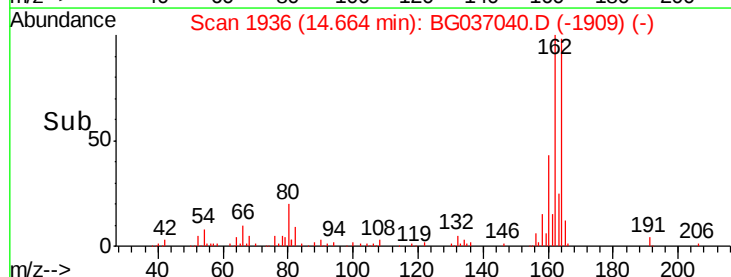


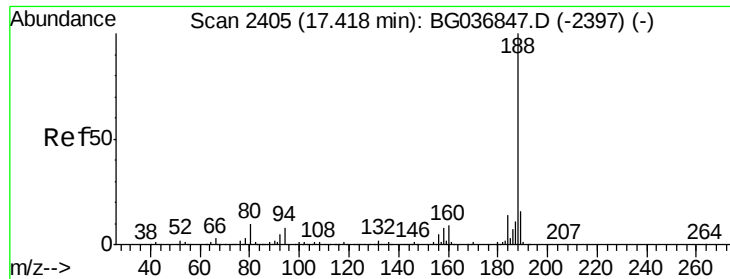
Abundance Ion 165.00 (164.70 to 165.70): E

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

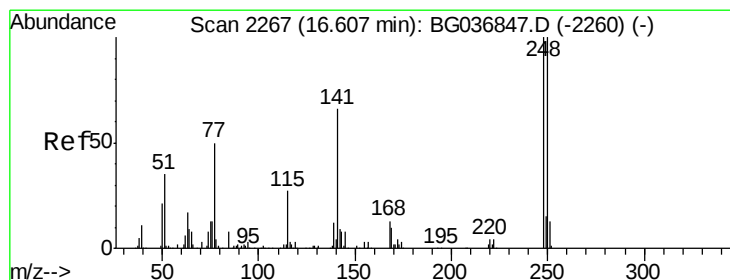
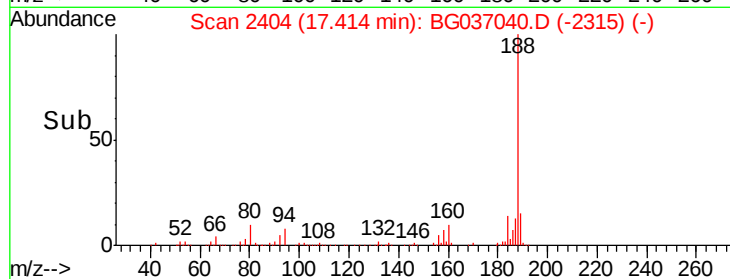
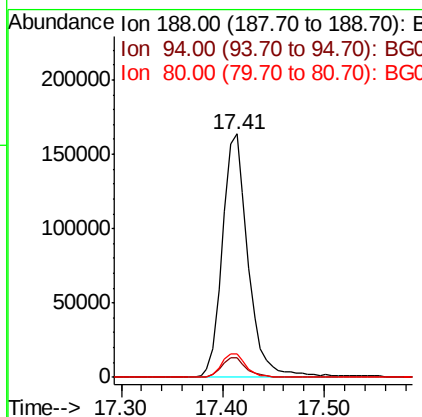
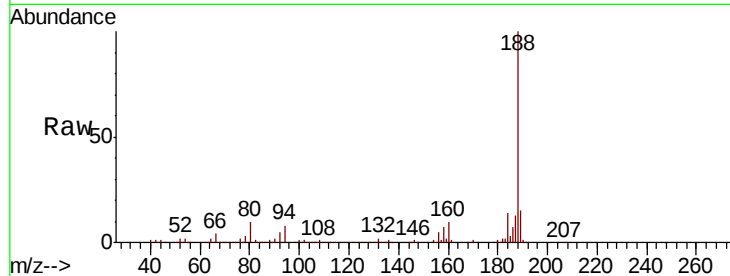




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG037040.D
 Acq: 28 Sep 2018 8:15

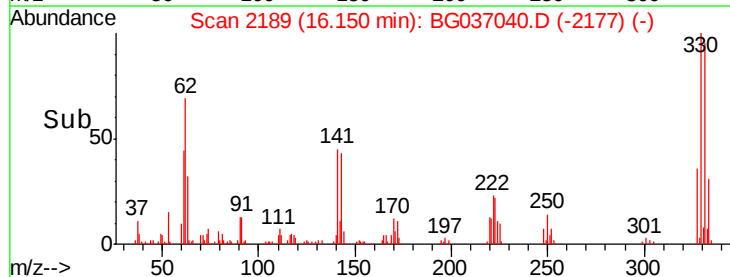
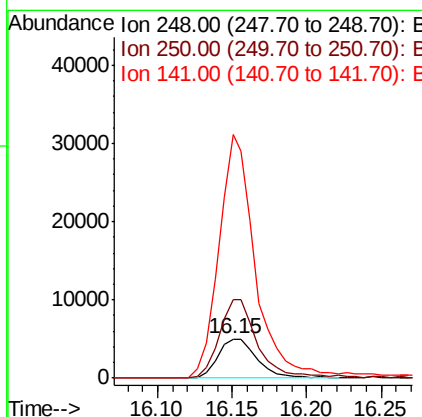
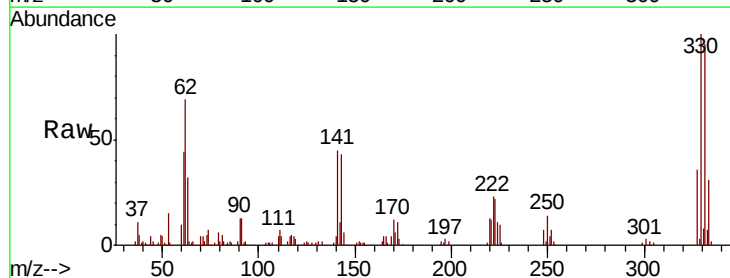
Instrument :
 BNA_G
 ClientSampled :

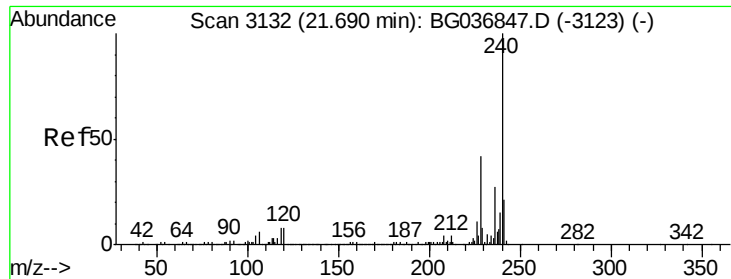
Tot Ion:188 Resp: 289046
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.7 10.1
 80 9.5 8.1 12.1



#66
 4-Bromophenyl-phenylether
 Concen: 2.737 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037040.D
 Acq: 28 Sep 2018 8:15

Tgt Ion:248 Resp: 8999
 Ion Ratio Lower Upper
 248 100
 250 200.9 78.1 117.1#
 141 622.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampleId :

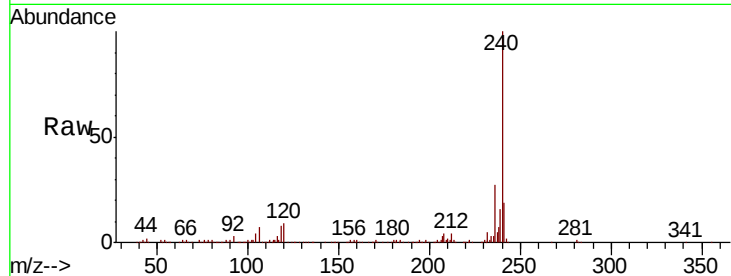
Tot Ion:240 Resp: 305865

Ion Ratio Lower Upper

240 100

120 9.2 6.9 10.3

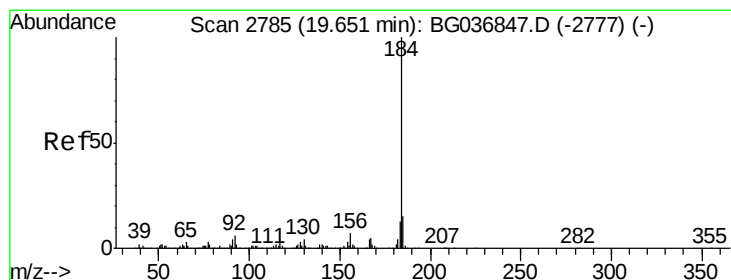
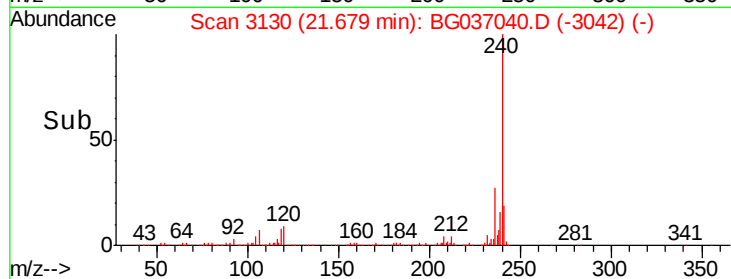
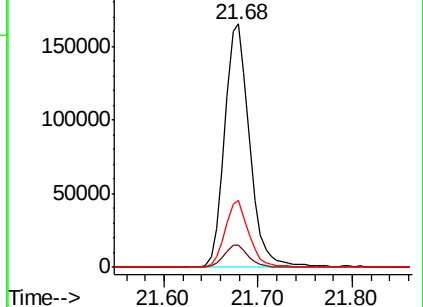
236 27.3 21.2 31.8



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: 2.514 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

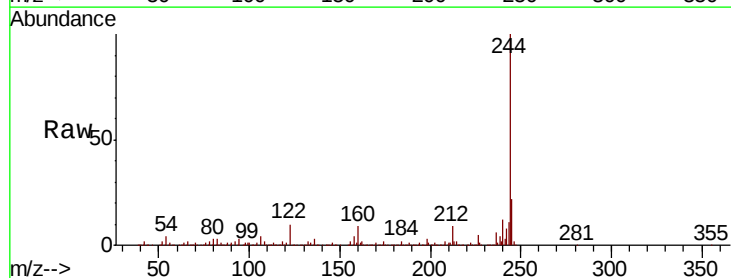
Tgt Ion:184 Resp: 23243

Ion Ratio Lower Upper

184 100

185 17.0 12.6 18.8

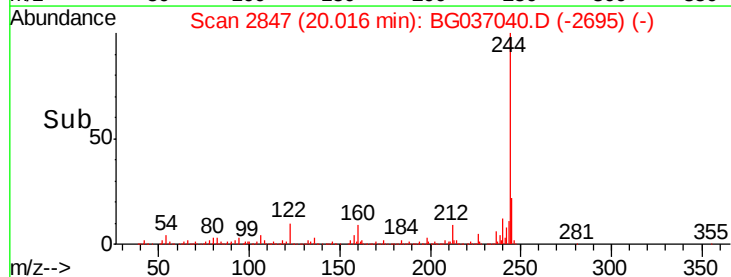
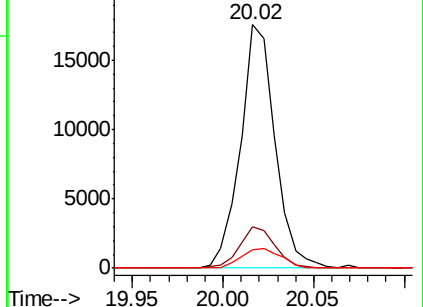
183 7.3 10.9 16.3#

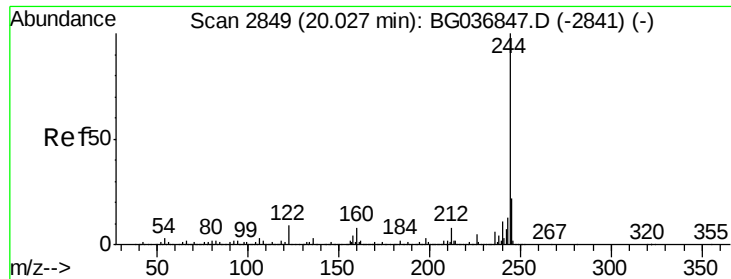


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 112.017 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

Instrument :

BNA_G

ClientSampled :

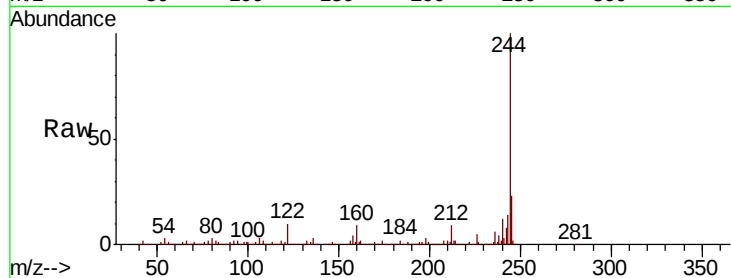
Tot Ion:244 Resp: 1302989

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

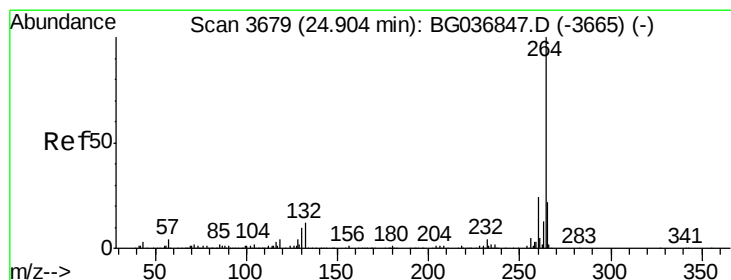
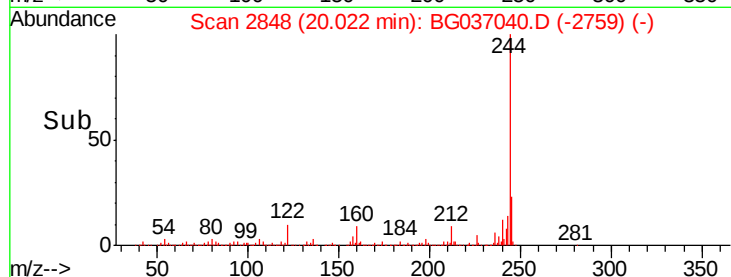
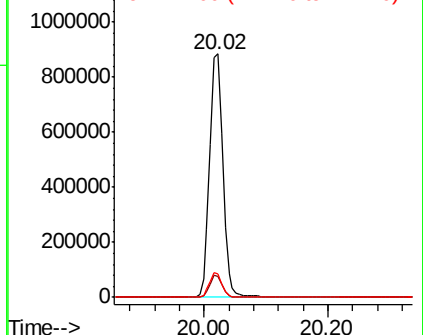
122 9.5 7.1 10.7



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# 3675

Delta R.T. -0.02 min

Lab File: BG037040.D

Acq: 28 Sep 2018 8:15

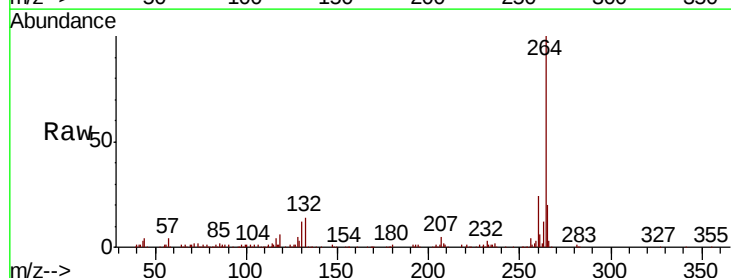
Tgt Ion:264 Resp: 303647

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 20.3 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

