

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037046.D
 Acq On : 28 Sep 2018 12:08
 Operator : JU/SJ
 Sample : J5090-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:26:50 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

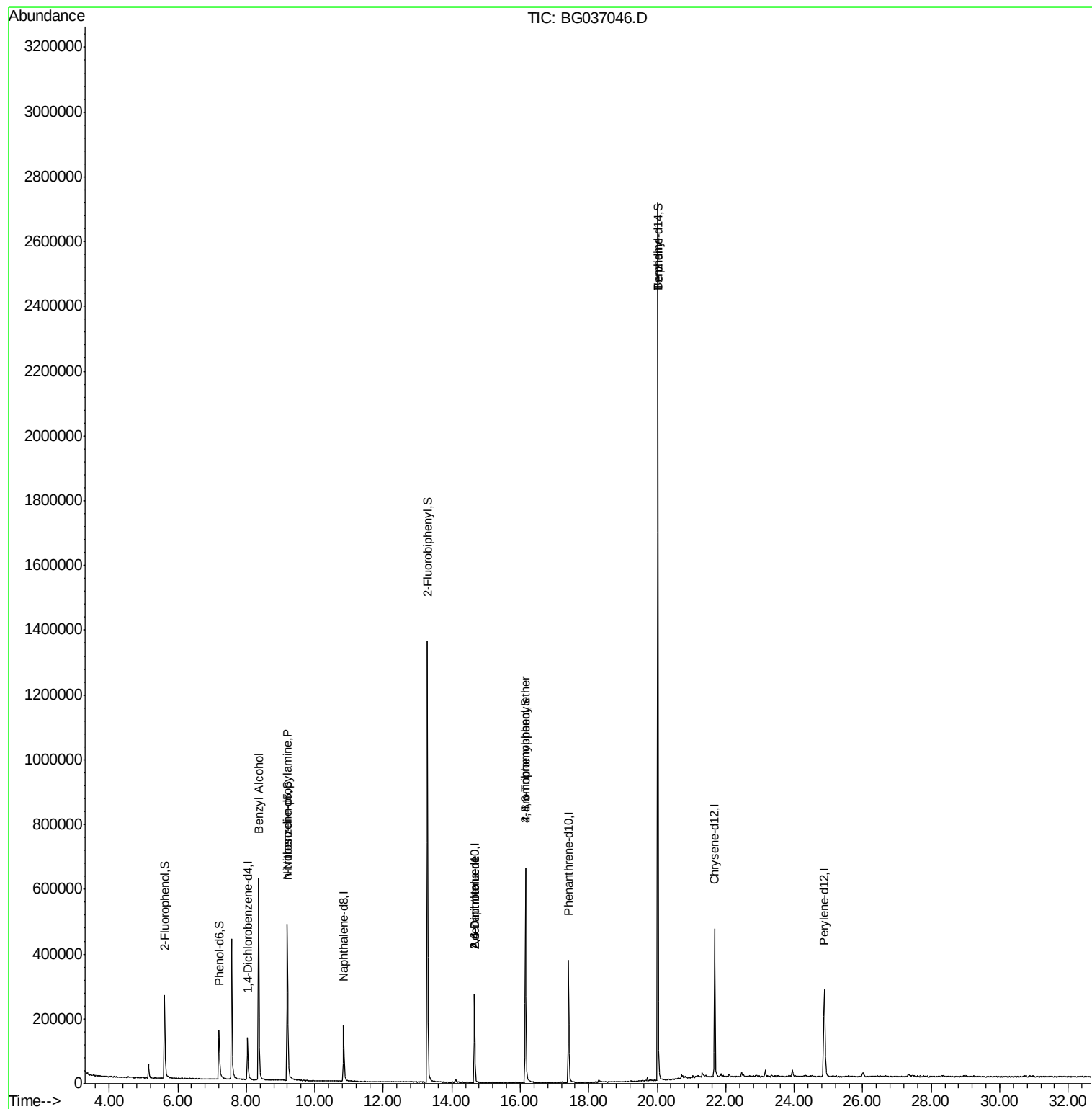
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42103	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	165284	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	103406	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	266770	20.00	ng	0.00
75) Chrysene-d12	21.68	240	299149	20.00	ng	-0.01
86) Perylene-d12	24.87	264	299683	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	131636	59.96	ng	0.00
7) Phenol-d6	7.20	99	118836	34.99	ng	-0.01
23) Nitrobenzene-d5	9.20	82	362152	117.34	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	134122	108.41	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	756650	108.98	ng	-0.01
78) Terphenyl-d14	20.02	244	1339640	117.75	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.36	79	5548	2.013	ng	# 38
19) n-Nitroso-di-n-propylamine	9.20	70	48601	17.200	ng	# 68
50) 2,6-Dinitrotoluene	14.66	165	13163	7.248	ng	# 22
56) 2,4-Dinitrotoluene	14.66	165	13163	5.194	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	9198	3.031	ng	# 1
76) Benzidine	20.01	184	24377	2.696	ng	# 93

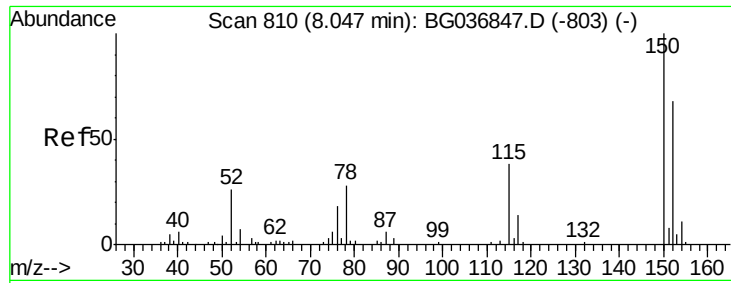
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

Instrument :

BNA_G

ClientSampleId :

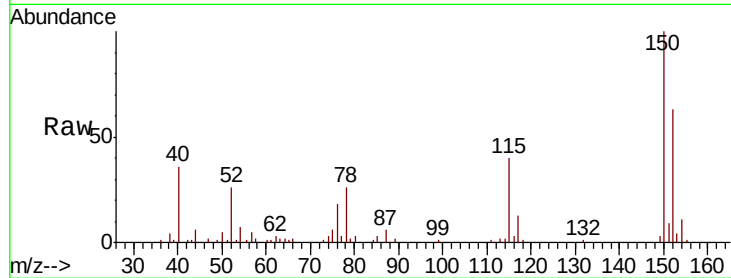
Tot Ion:152 Resp: 42103

Ion Ratio Lower Upper

152 100

150 157.5 119.5 179.3

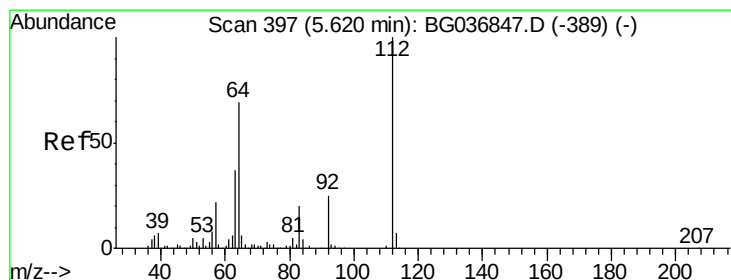
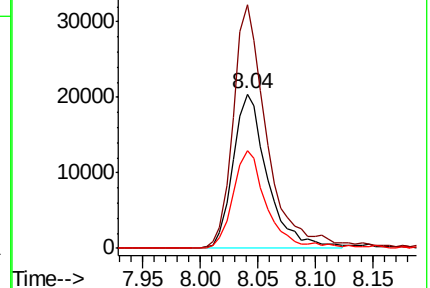
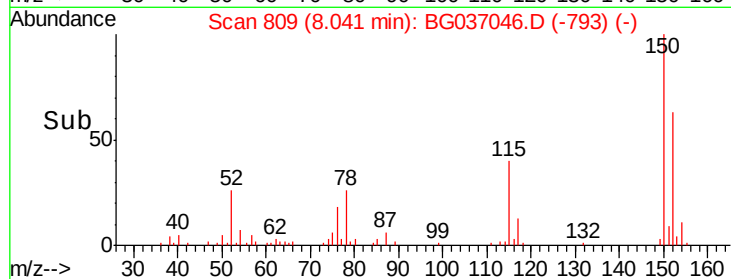
115 63.1 44.5 66.7



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: 59.960 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

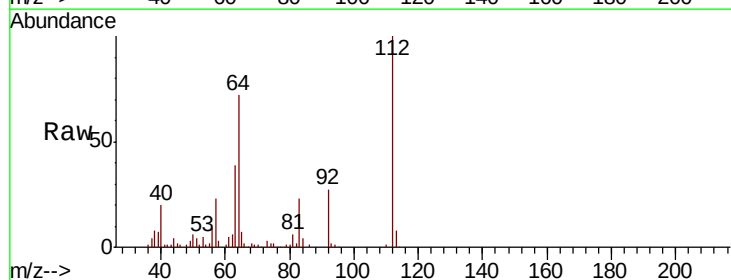
Tgt Ion:112 Resp: 131636

Ion Ratio Lower Upper

112 100

64 71.9 57.2 85.8

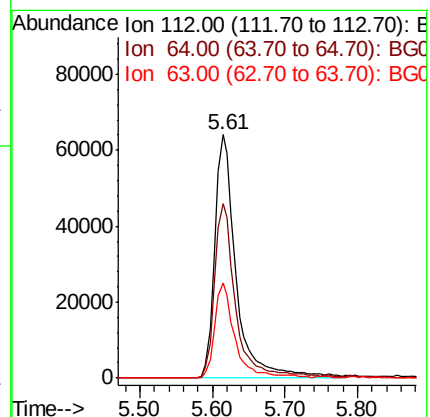
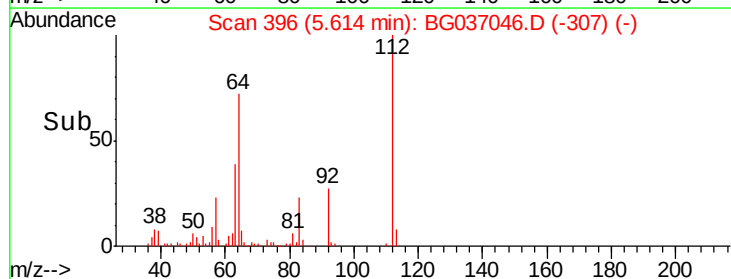
63 39.0 30.8 46.2

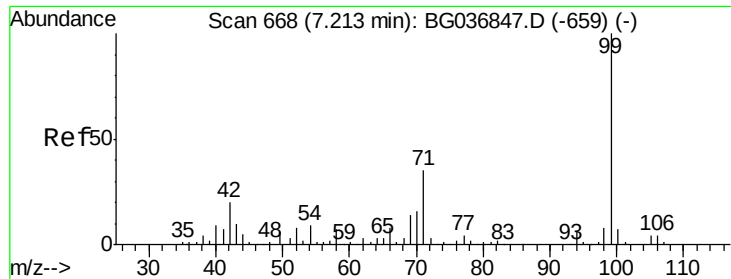


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 34.986 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

Instrument :

BNA_G

ClientSampleId :

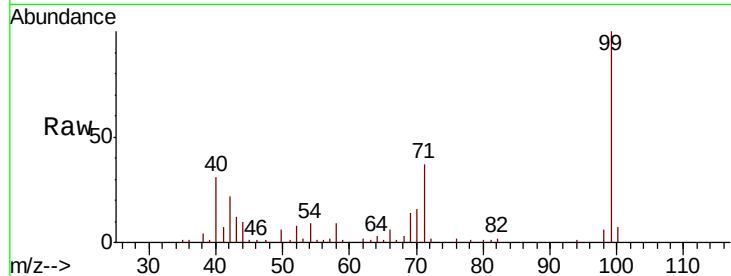
Tot Ion: 99 Resp: 118836

Ion Ratio Lower Upper

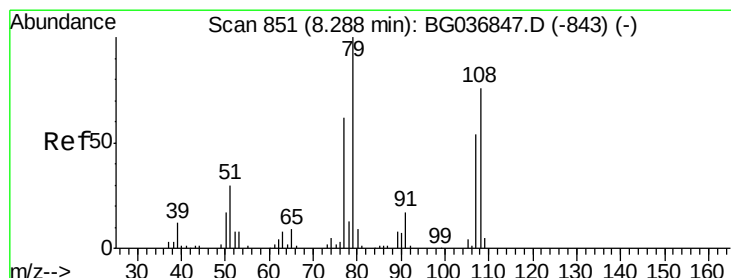
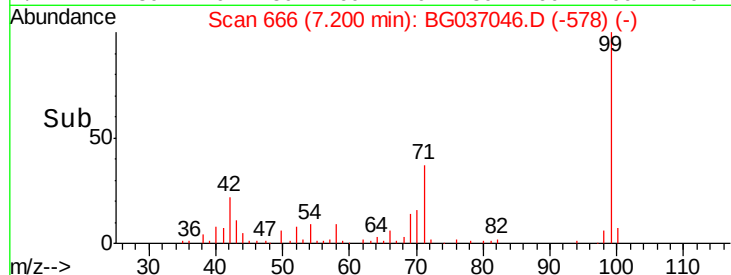
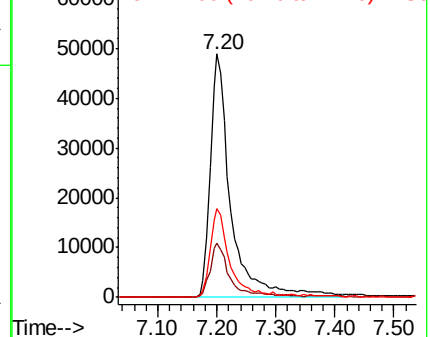
99 100

42 22.1 16.5 24.7

71 36.5 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



#15

Benzyl Alcohol

Concen: 2.013 ng

RT: 8.36 min Scan# 863

Delta R.T. 0.07 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

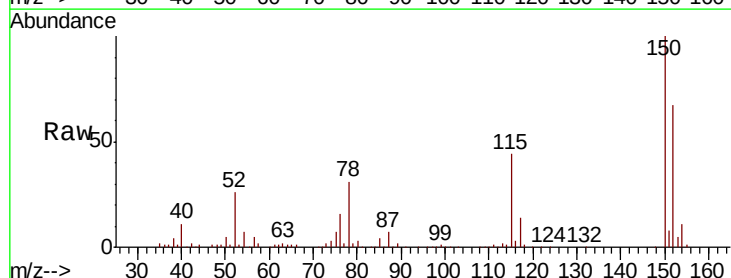
Tgt Ion: 79 Resp: 5548

Ion Ratio Lower Upper

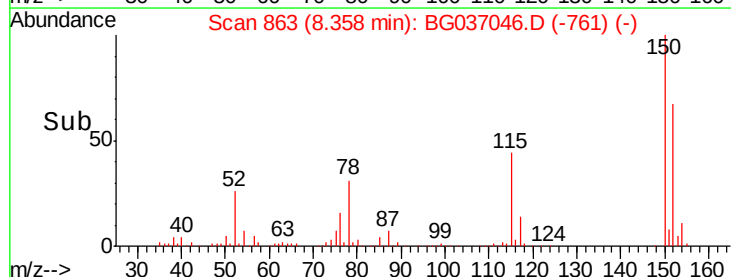
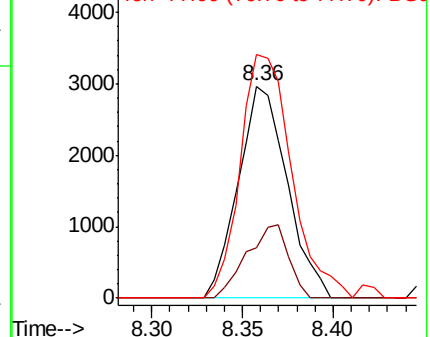
79 100

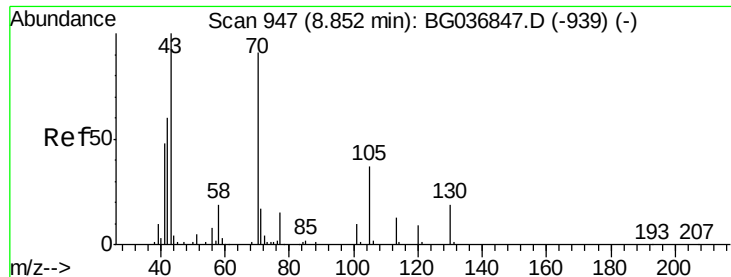
108 23.7 55.9 83.9#

77 114.9 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

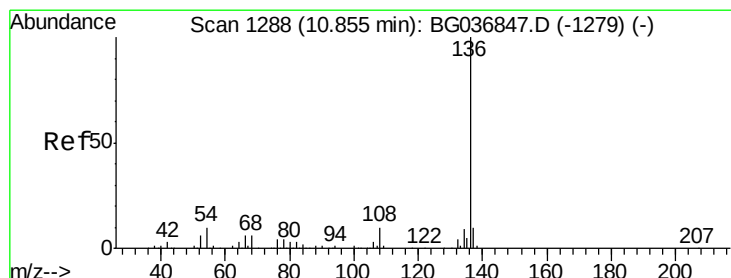
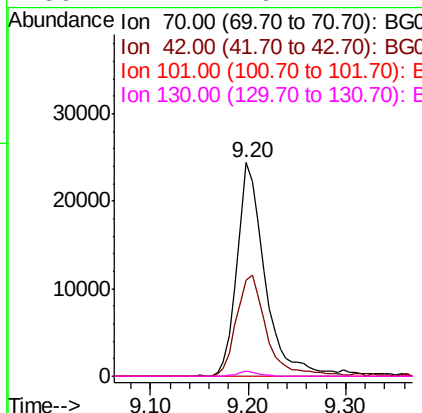
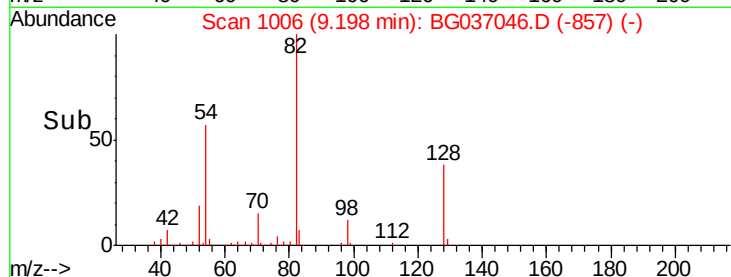
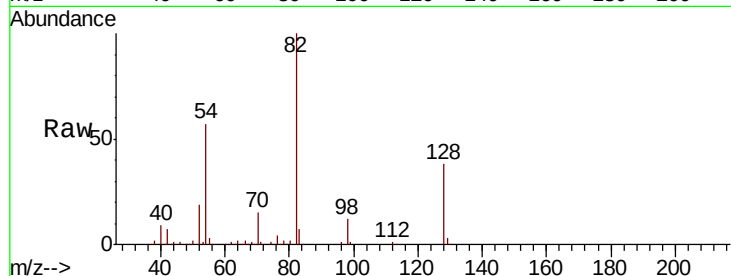




#19
n-Nitroso-di-n-propylamine
Concen: 17.200 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.35 min
Lab File: BG037046.D
Acq: 28 Sep 2018 12:08

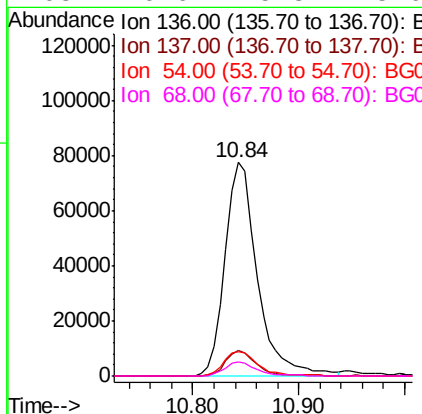
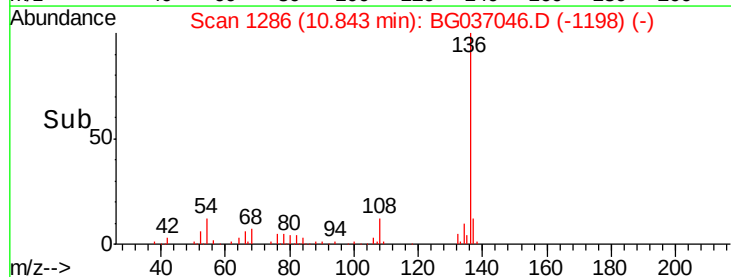
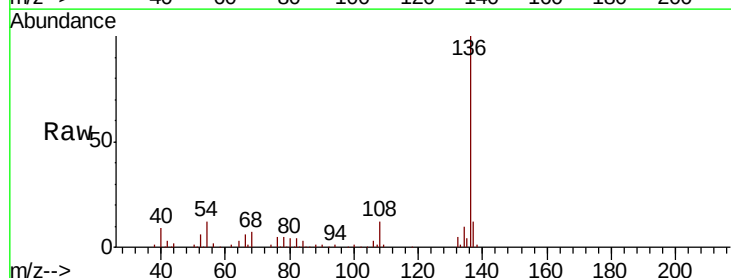
Instrument :
BNA_G
ClientSampleId :

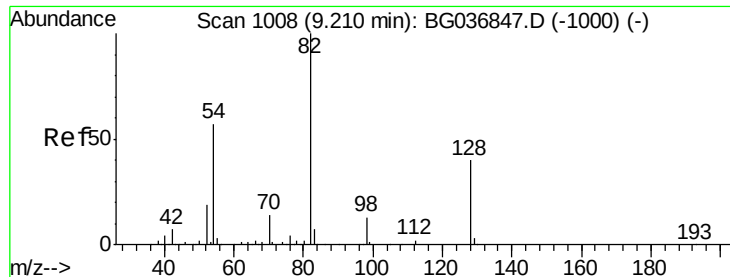
Tot Ion: 70 Resp: 48601
Ion Ratio Lower Upper
70 100
42 45.0 56.2 84.4#
101 0.0 7.8 11.6#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037046.D
Acq: 28 Sep 2018 12:08

Tgt Ion: 136 Resp: 165284
Ion Ratio Lower Upper
136 100
137 11.9 8.8 13.2
54 11.5 9.2 13.8
68 6.6 5.8 8.6

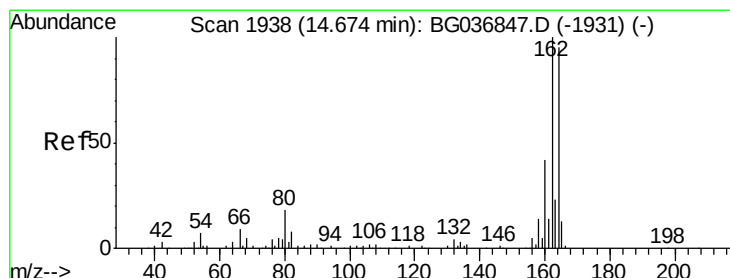
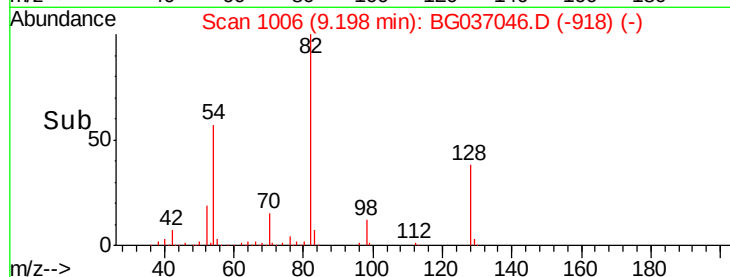
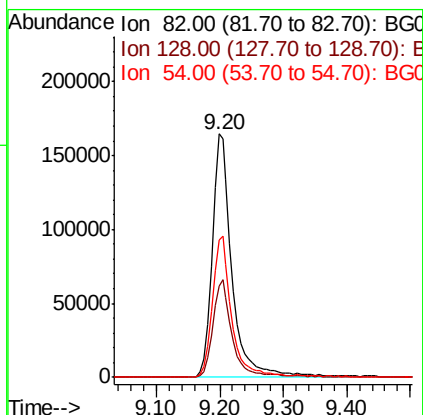
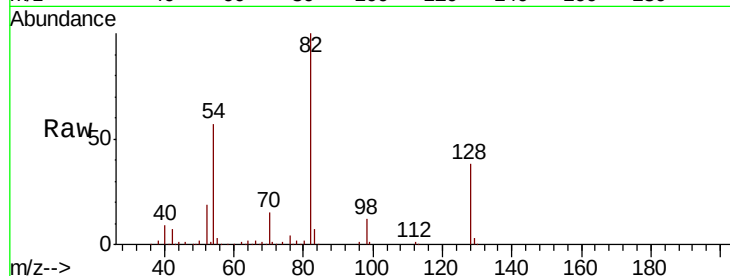




#23
 Nitrobenzene-d5
 Concen: 117.335 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

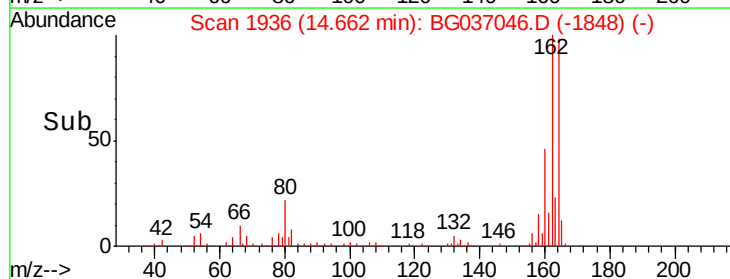
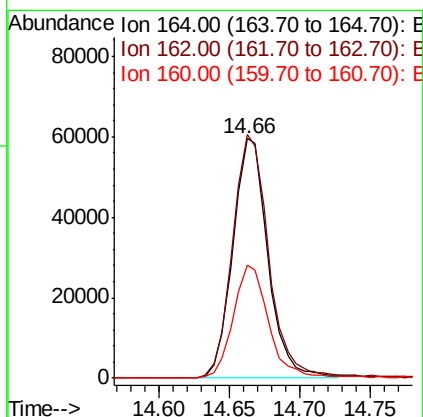
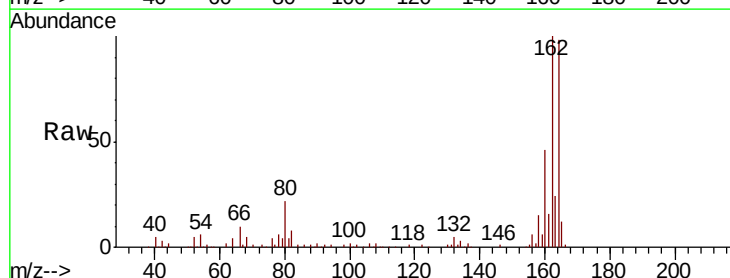
Instrument :
 BNA_G
 ClientSampled :

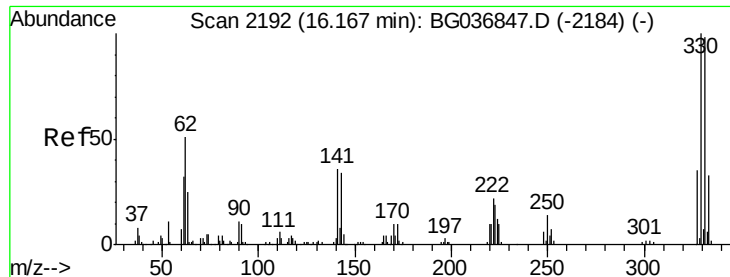
Tot Ion	82	Resp	362152
Ion Ratio	Lower	Upper	
82	100		
128	37.6	33.3	49.9
54	56.7	45.1	67.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

Tgt Ion	164	Resp	103406
Ion Ratio	Lower	Upper	
164	100		
162	101.8	80.7	121.1
160	47.2	35.3	52.9





#41

2,4,6-Tribromophenol

Concen: 108.409 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

Instrument :

BNA_G

ClientSampleId :

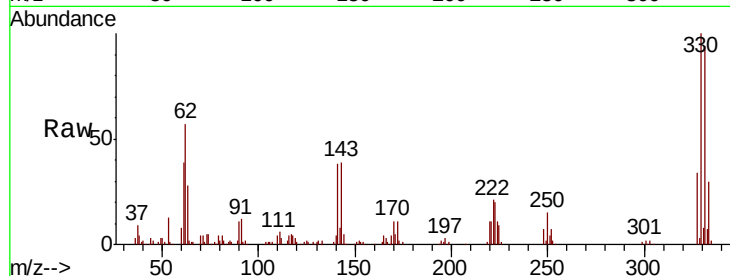
Tot Ion:330 Resp: 134122

Ion Ratio Lower Upper

330 100

332 96.1 75.4 113.2

141 40.5 30.7 46.1

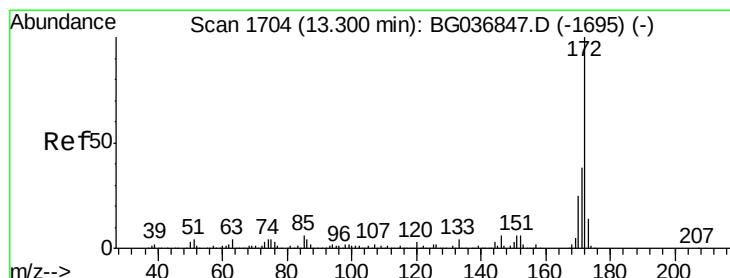
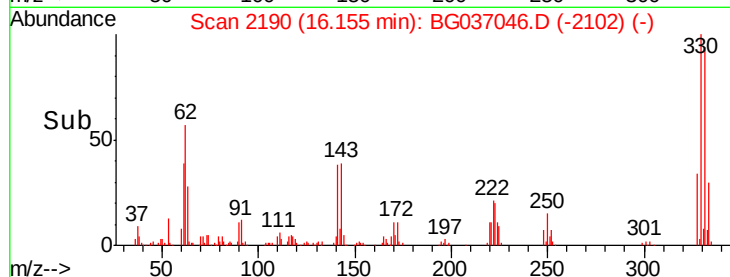
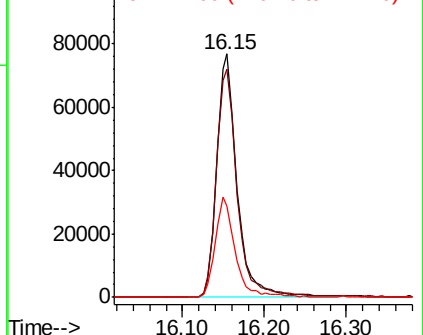


Abundance

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: 108.983 ng

RT: 13.29 min Scan# 1702

Delta R.T. -0.01 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

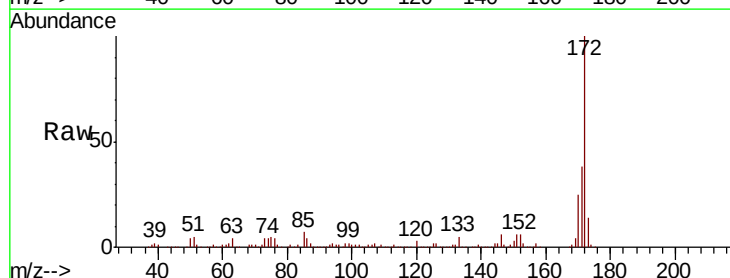
Tgt Ion:172 Resp: 756650

Ion Ratio Lower Upper

172 100

171 37.6 31.3 46.9

170 25.3 21.0 31.6

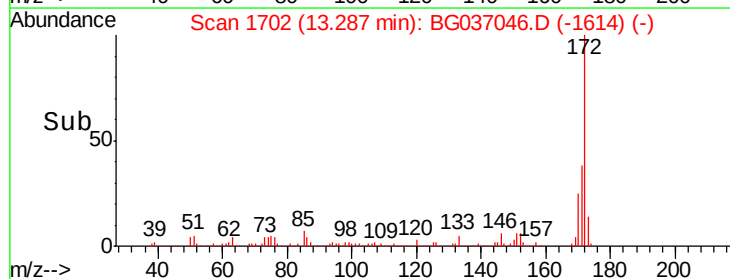
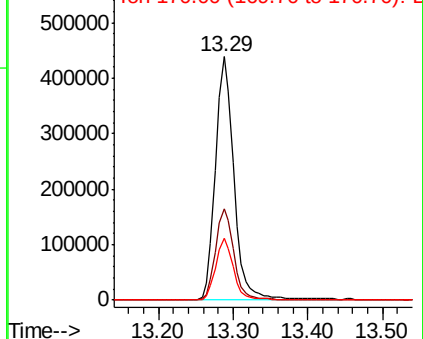


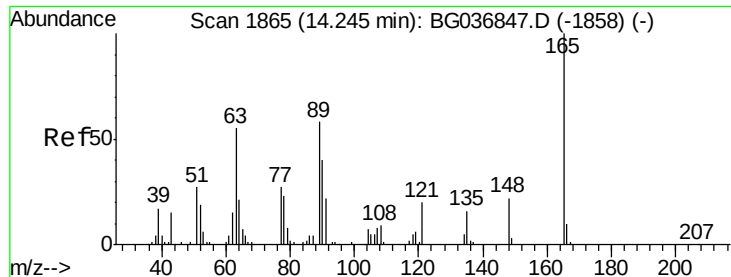
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

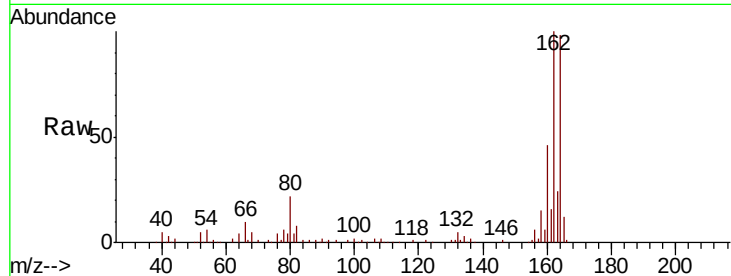




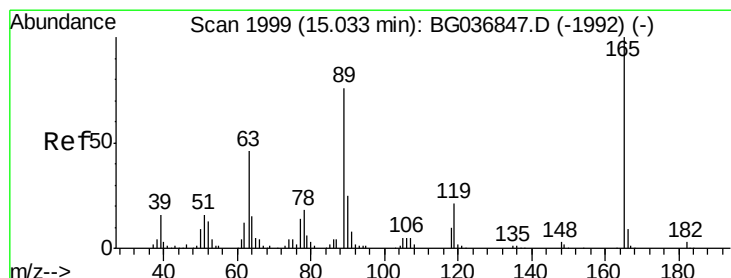
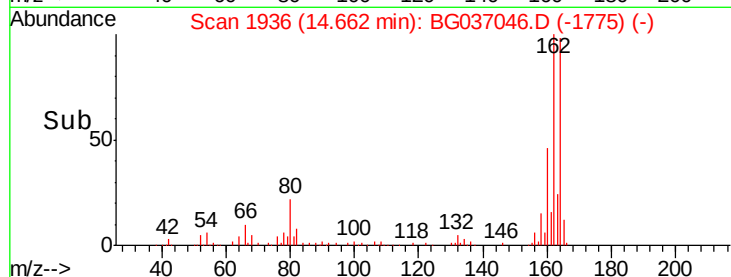
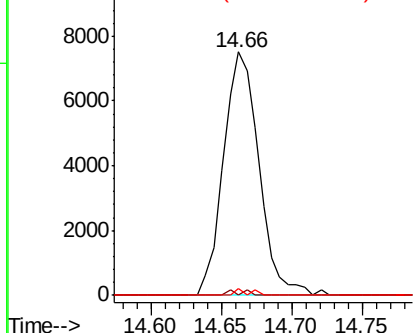
#50
 2,6-Dinitrotoluene
 Concen: 7.248 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.8	47.8	71.6#



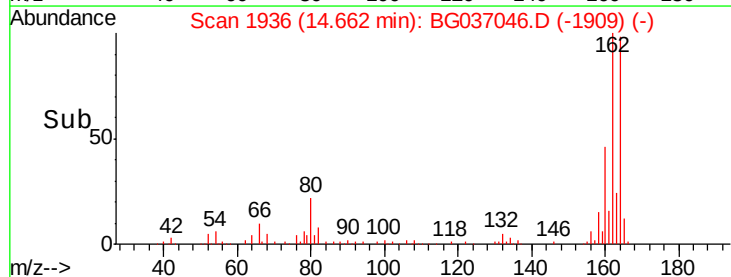
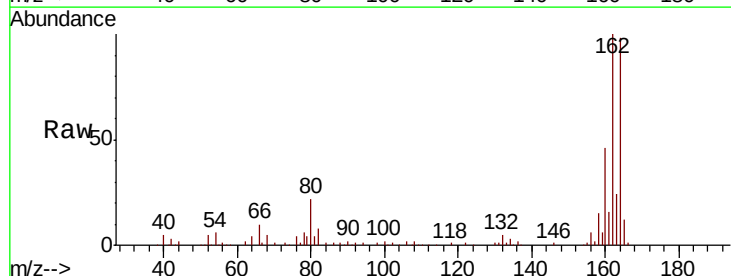
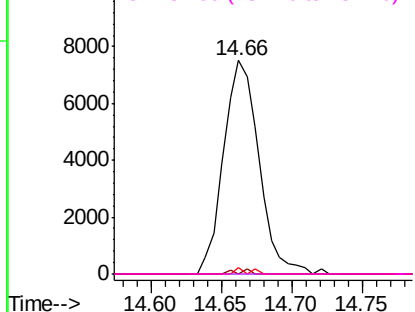
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

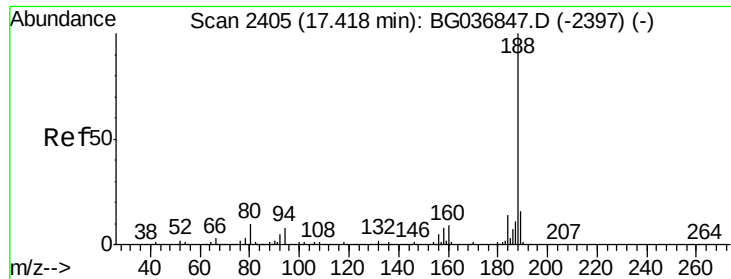


#56
 2,4-Dinitrotoluene
 Concen: 5.194 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.8	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

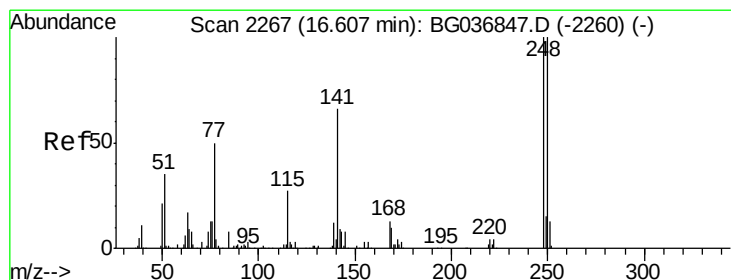
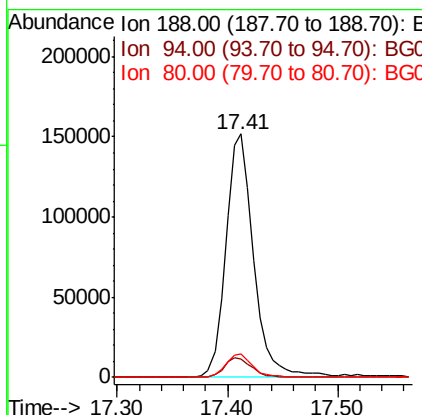
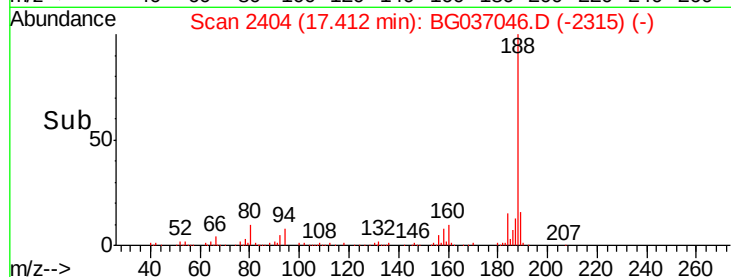
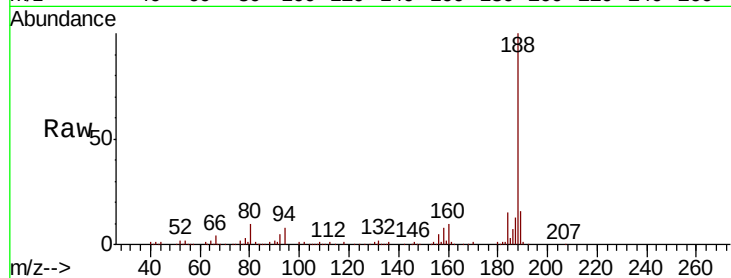




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BG037046.D
Acq: 28 Sep 2018 12:08

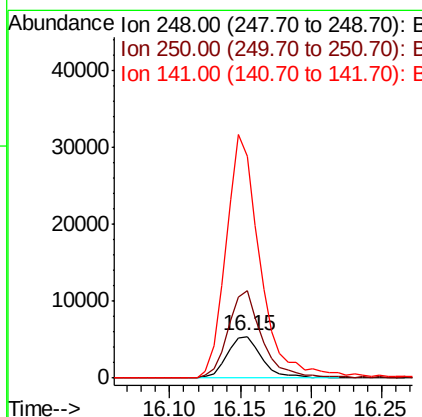
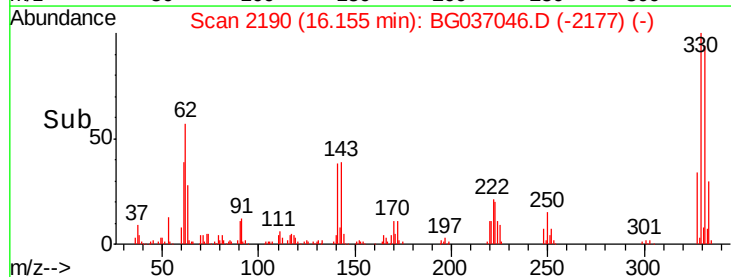
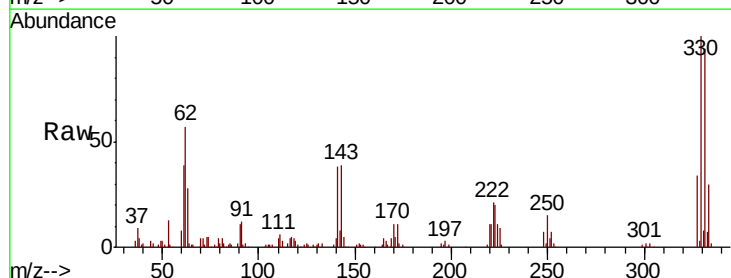
Instrument :
BNA_G
ClientSampleId :

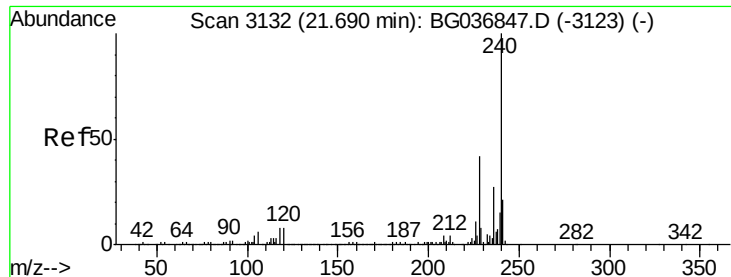
Tot Ion:188 Resp: 266770
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 9.7 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 3.031 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG037046.D
Acq: 28 Sep 2018 12:08

Tgt Ion:248 Resp: 9198
Ion Ratio Lower Upper
248 100
250 208.0 78.1 117.1#
141 530.4 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: BG037046.D

Acq: 28 Sep 2018 12:08

Instrument :

BNA_G

ClientSampled :

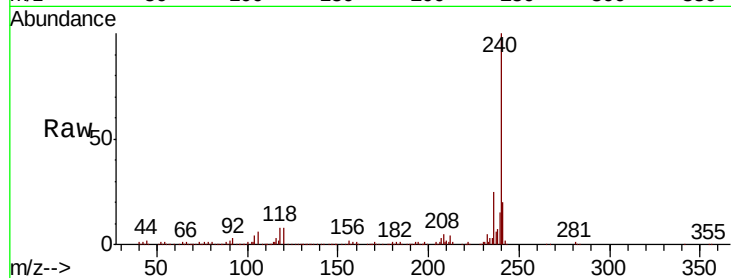
Tot Ion:240 Resp: 299149

Ion Ratio Lower Upper

240 100

120 8.4 6.9 10.3

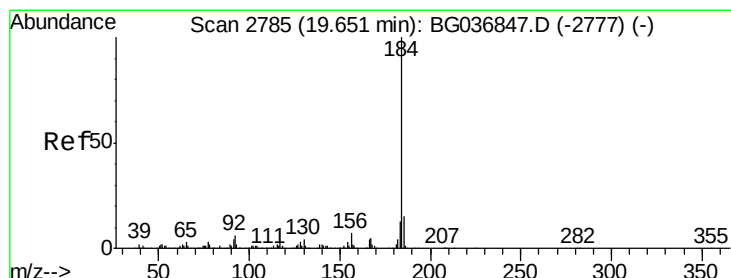
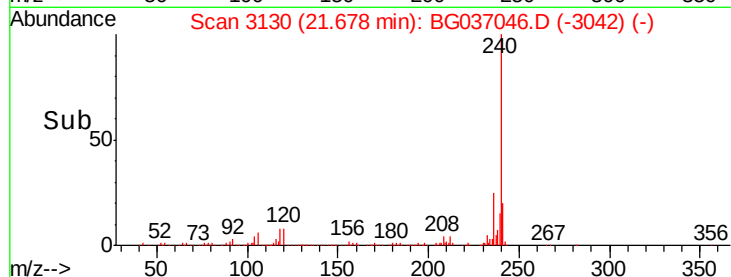
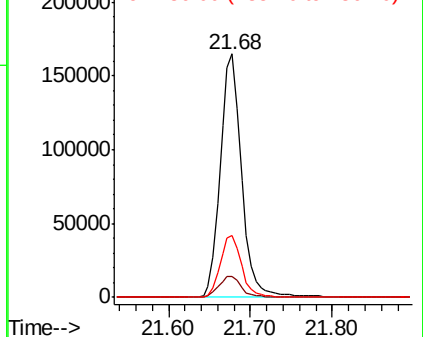
236 25.5 21.2 31.8



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: 2.696 ng

RT: 20.01 min Scan# 2847

Delta R.T. 0.36 min

Lab File: BG037046.D

Acq: 28 Sep 2018 12:08

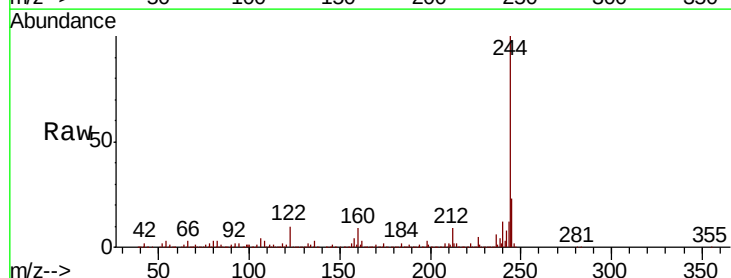
Tgt Ion:184 Resp: 24377

Ion Ratio Lower Upper

184 100

185 17.5 12.6 18.8

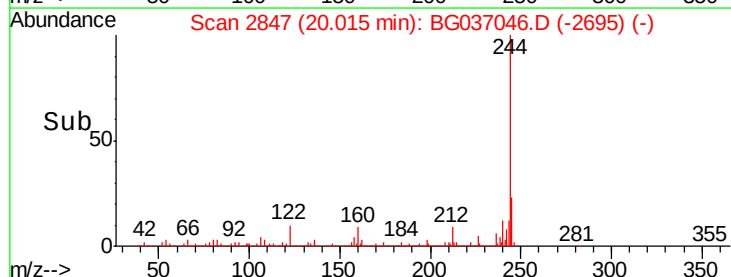
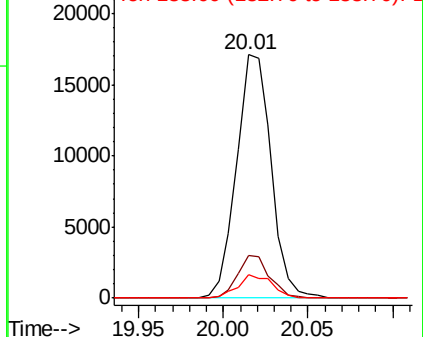
183 9.5 10.9 16.3#

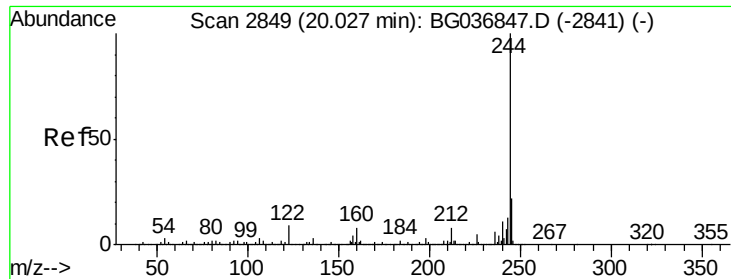


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

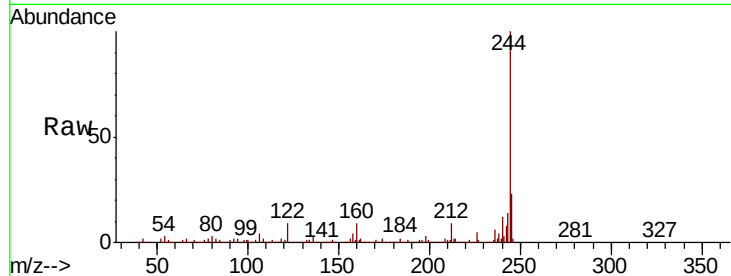




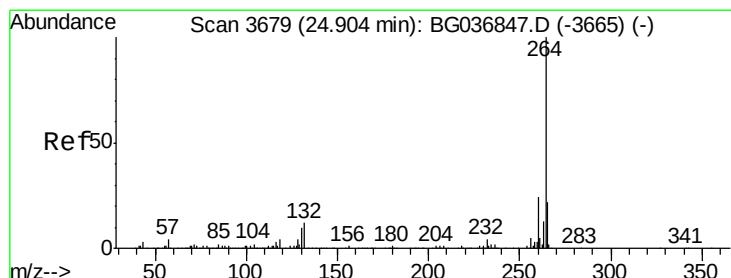
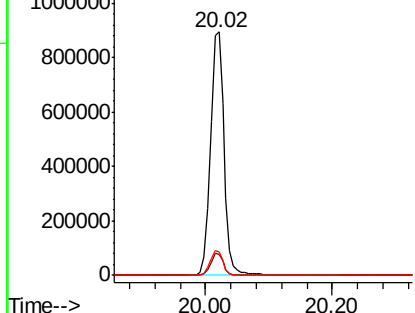
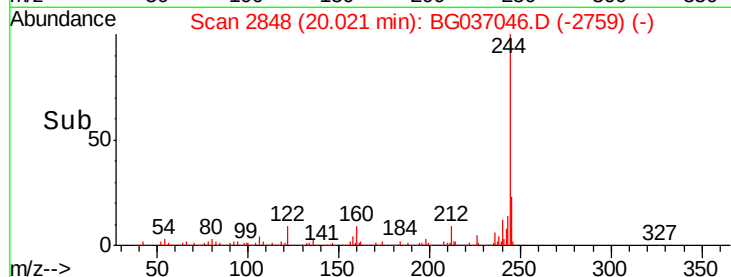
#78
 Terphenyl-d14
 Concen: 117.753 ng
 RT: 20.02 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1339640
 Ion Ratio Lower Upper
 244 100
 212 8.7 7.0 10.6
 122 9.4 7.1 10.7

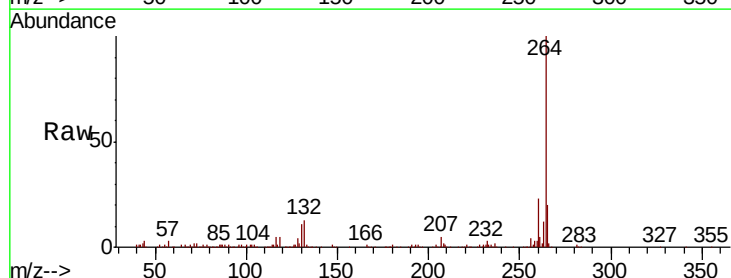


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3674
 Delta R.T. -0.03 min
 Lab File: BG037046.D
 Acq: 28 Sep 2018 12:08

Tgt Ion:264 Resp: 299683
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.6 29.4
 265 20.1 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

