

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037019.D
 Acq On : 27 Sep 2018 17:56
 Operator : JU/SJ
 Sample : PB113226BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 19:04:23 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

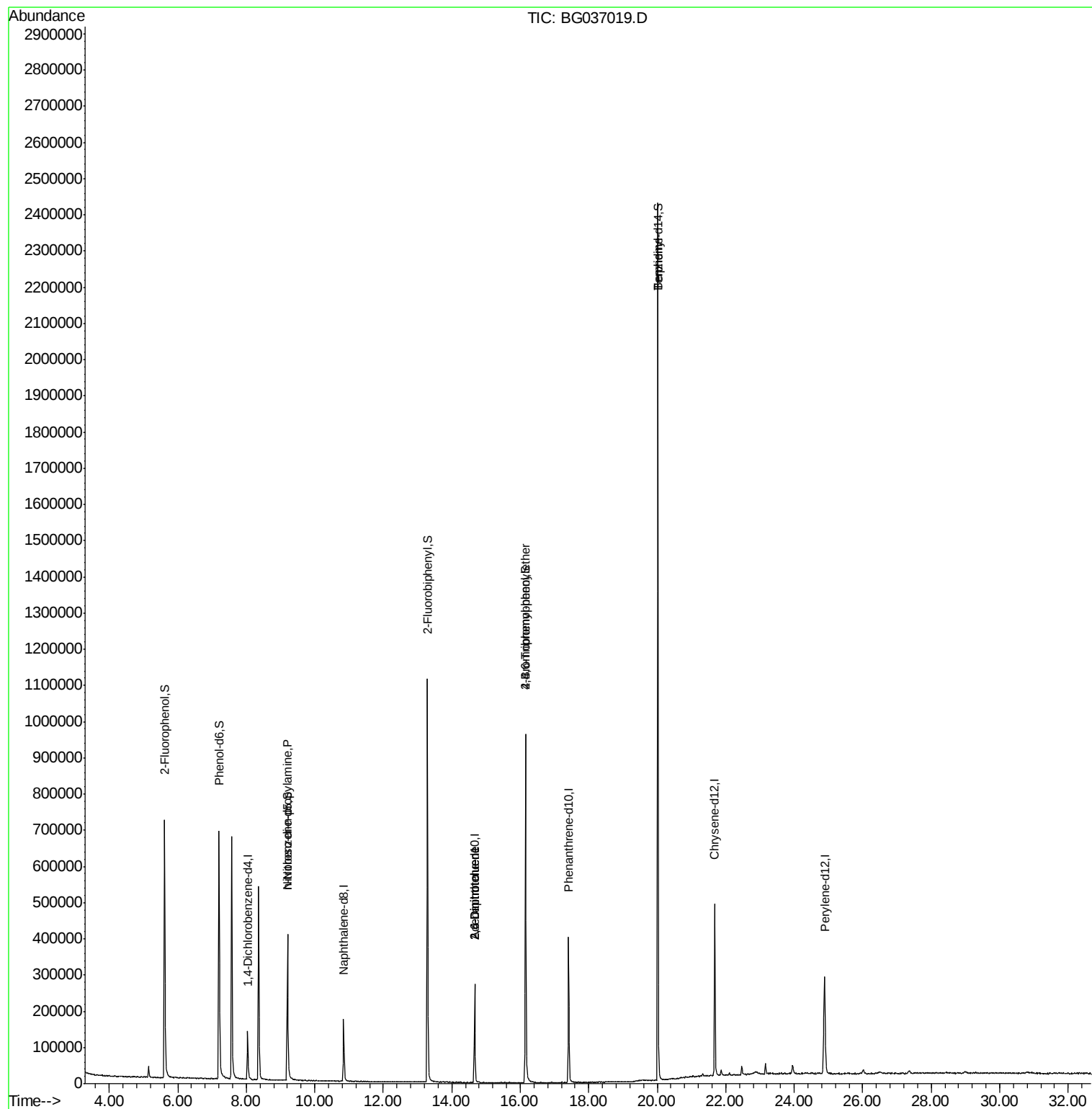
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	42698	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	166707	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	104758	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	285484	20.00	ng	0.00
75) Chrysene-d12	21.68	240	310107	20.00	ng	-0.01
86) Perylene-d12	24.88	264	297358	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	331972	149.11	ng	0.00
7) Phenol-d6	7.20	99	452167	131.27	ng	-0.01
23) Nitrobenzene-d5	9.20	82	297361	95.52	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	185914	148.33	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	634446	90.20	ng	-0.01
78) Terphenyl-d14	20.02	244	1186452	100.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38326	13.375	ng	# 70
50) 2,6-Dinitrotoluene	14.66	165	13603	7.394	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	13603	5.299	ng	# 20
66) 4-Bromophenyl-phenylether	16.15	248	12957	3.990	ng	# 1
76) Benzidine	20.02	184	21526	2.296	ng	# 92

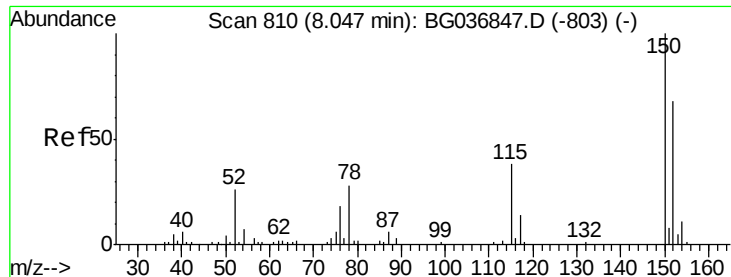
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
Data File : BG037019.D
Acq On : 27 Sep 2018 17:56
Operator : JU/SJ
Sample : PB113226BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 27 19:04:23 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



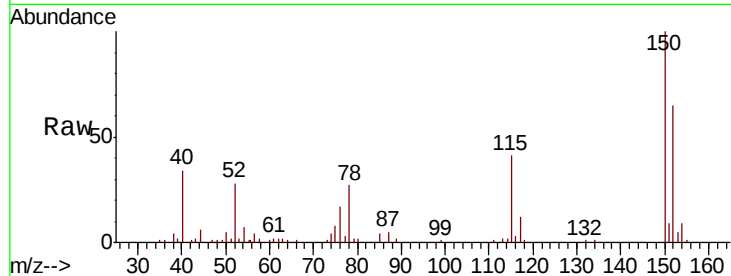


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	119.5	179.3
115	62.6	44.5	66.7

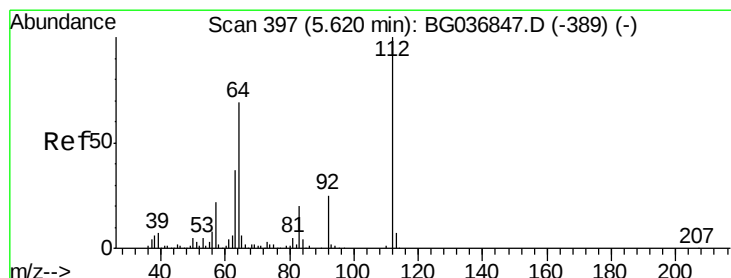
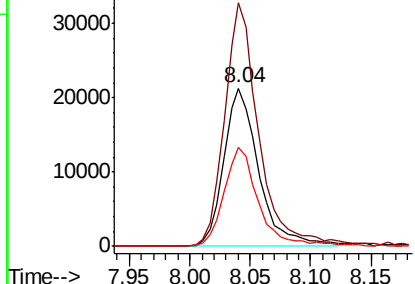
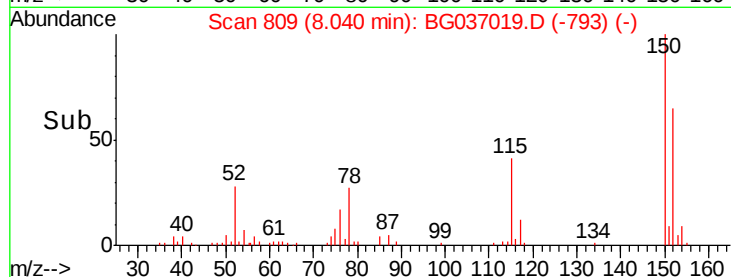


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

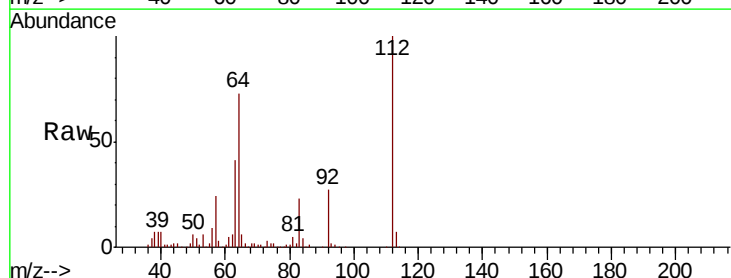
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 149.105 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	57.2	85.8
63	40.7	30.8	46.2

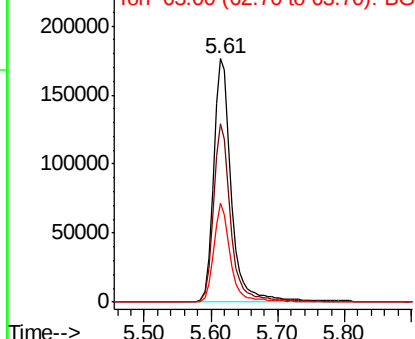
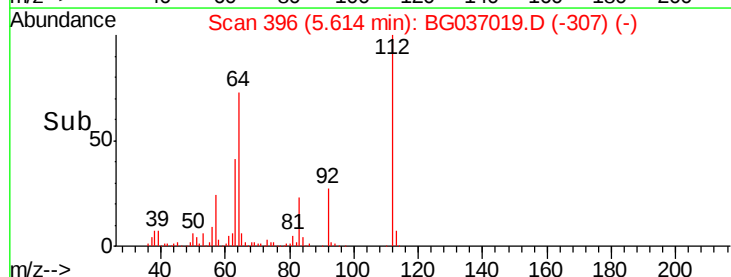


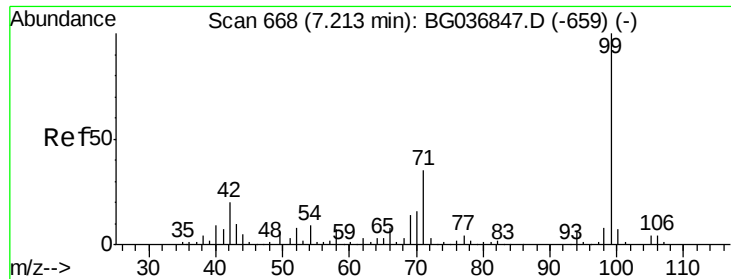
Abundance

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: 131.266 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037019.D

Acq: 27 Sep 2018 17:56

Instrument :

BNA_G

ClientSampled :

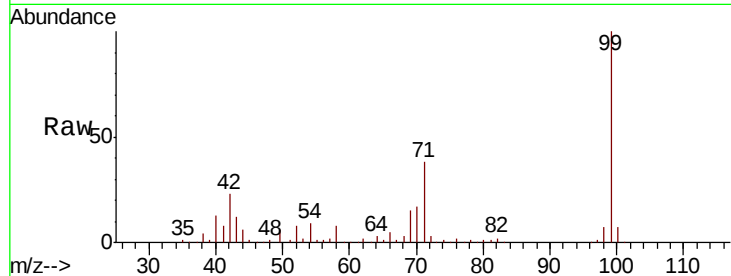
Tot Ion: 99 Resp: 452167

Ion Ratio Lower Upper

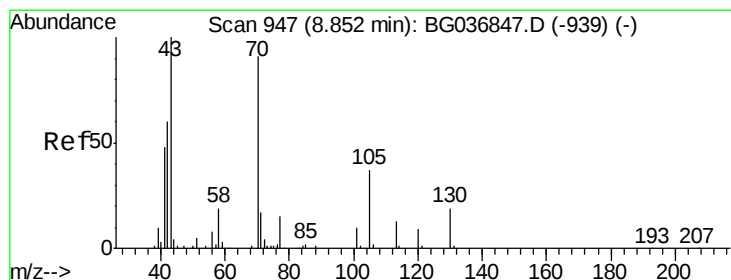
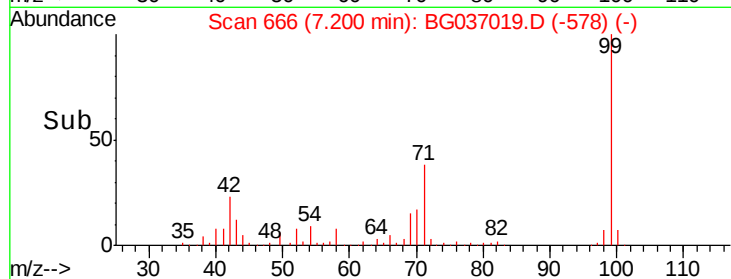
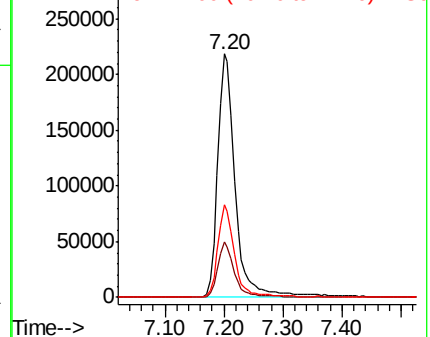
99 100

42 22.8 16.5 24.7

71 38.0 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: 13.375 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037019.D

Acq: 27 Sep 2018 17:56

Tgt Ion: 70 Resp: 38326

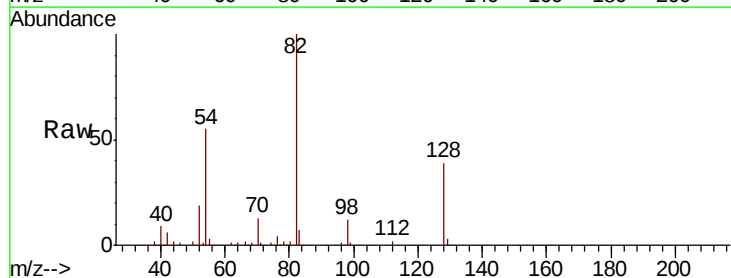
Ion Ratio Lower Upper

70 100

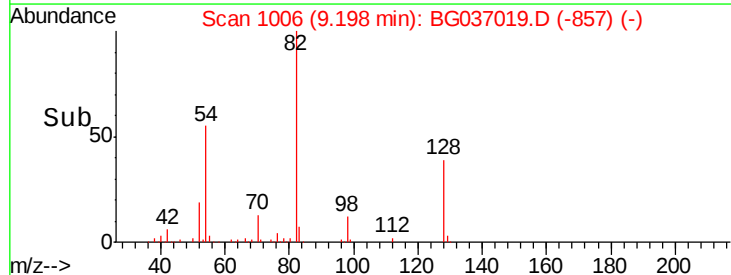
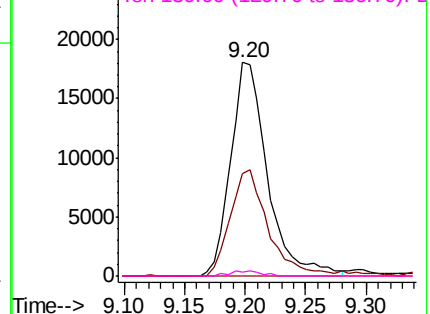
42 47.7 56.2 84.4#

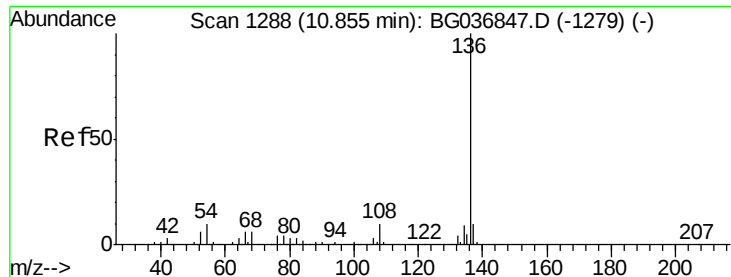
101 0.0 7.8 11.6#

130 1.6 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: BG037019.D

Acq: 27 Sep 2018 17:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 166707

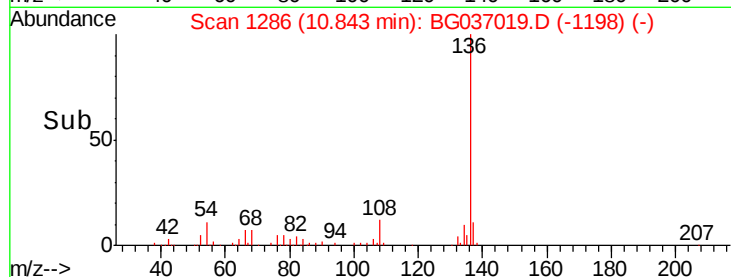
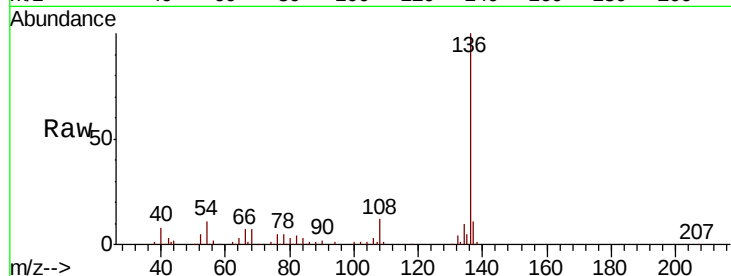
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 10.7 9.2 13.8

68 6.7 5.8 8.6

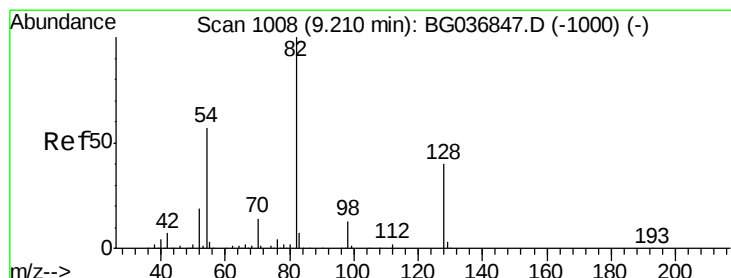
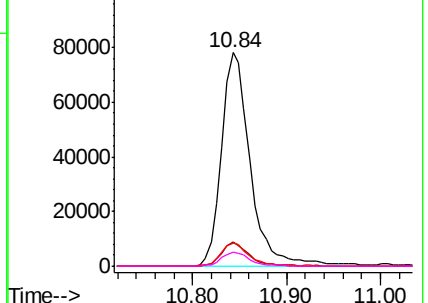


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.521 ng

RT: 9.20 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BG037019.D

Acq: 27 Sep 2018 17:56

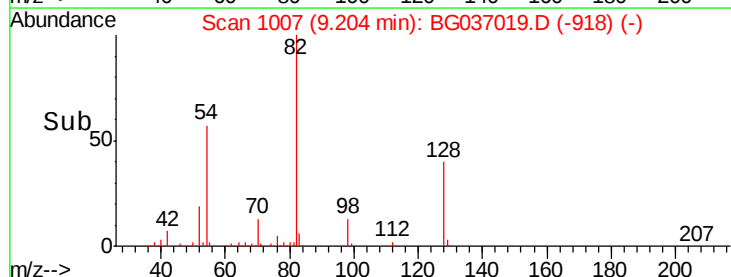
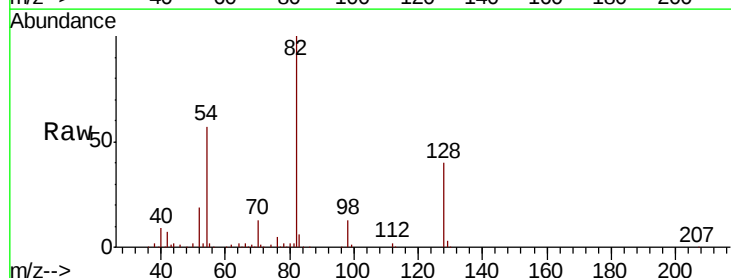
Tgt Ion: 82 Resp: 297361

Ion Ratio Lower Upper

82 100

128 39.8 33.3 49.9

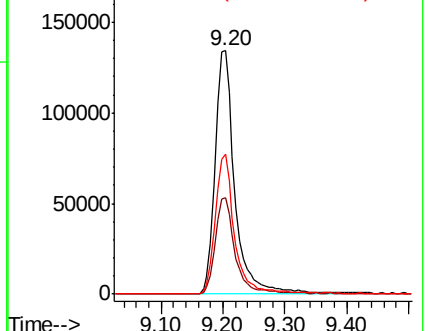
54 57.5 45.1 67.7

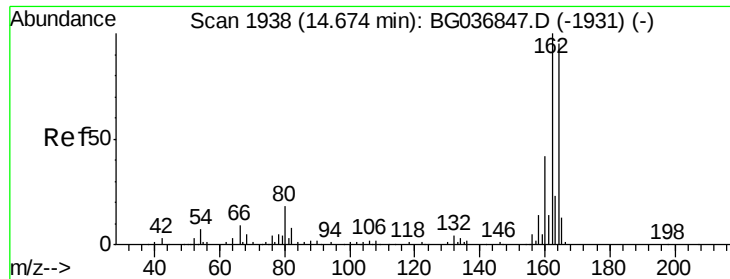


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

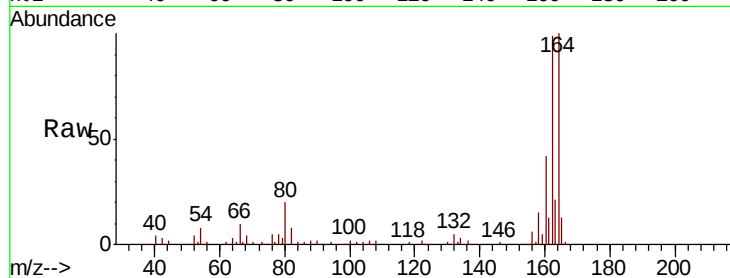




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.7	121.1
160	42.3	35.3	52.9

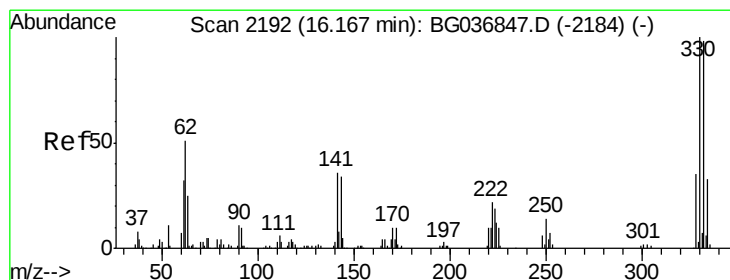
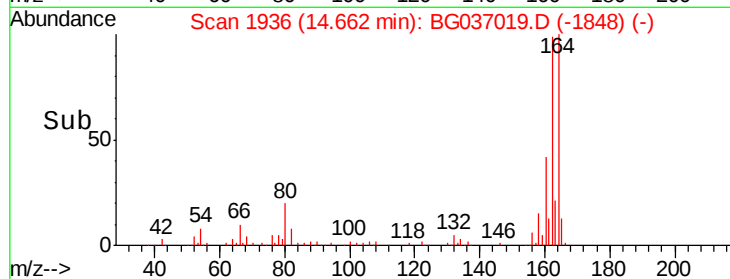
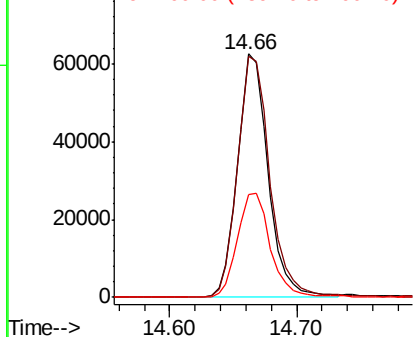


Abundance

Ion 164.00 (163.70 to 164.70): E

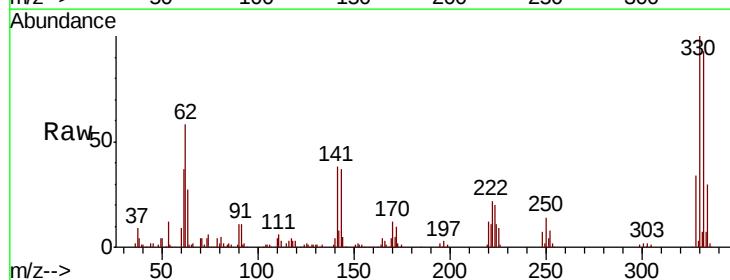
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
 2,4,6-Tribromophenol
 Concen: 148.332 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.4	113.2
141	40.3	30.7	46.1

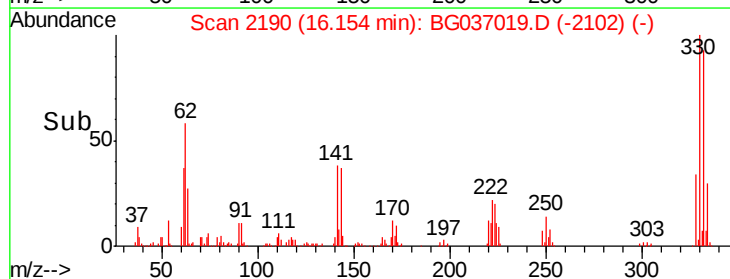
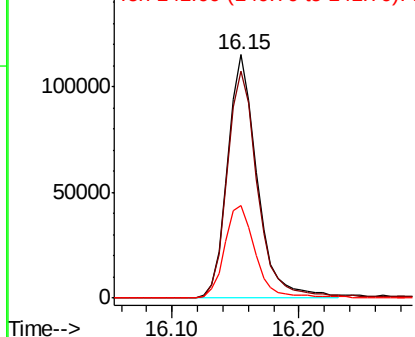


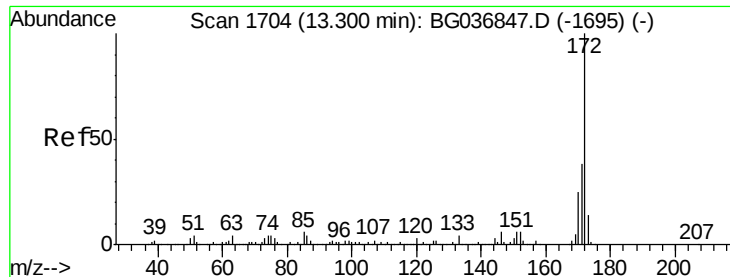
Abundance

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

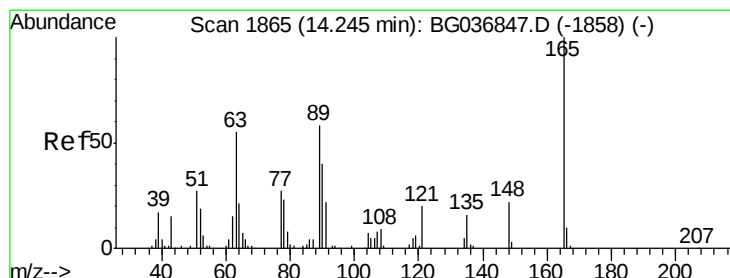
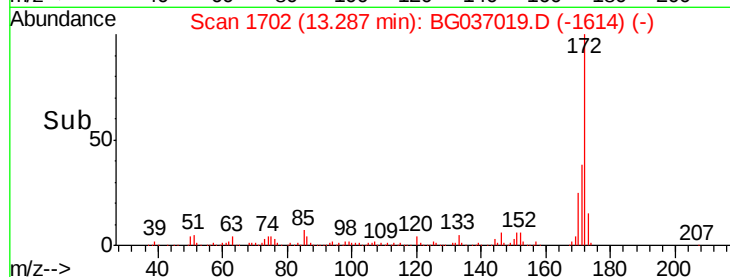
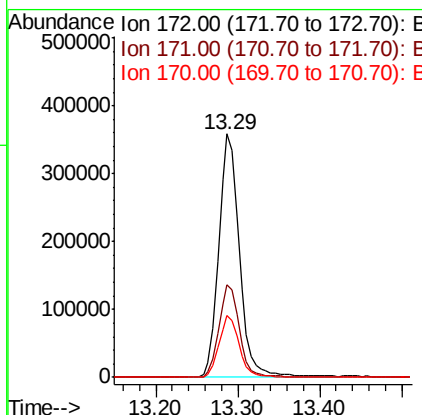
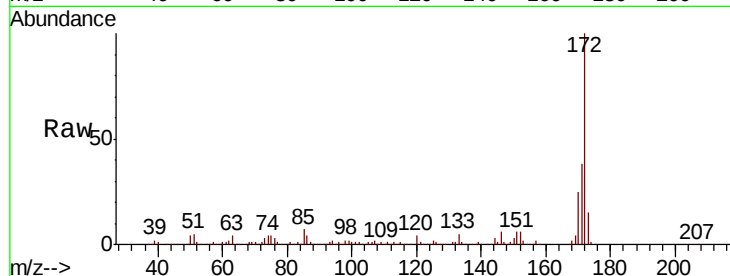




#44
 2-Fluorobiphenyl
 Concen: 90.202 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

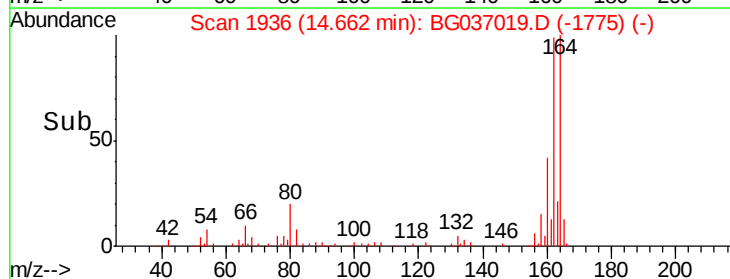
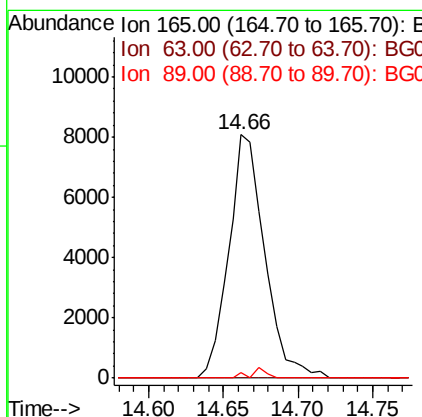
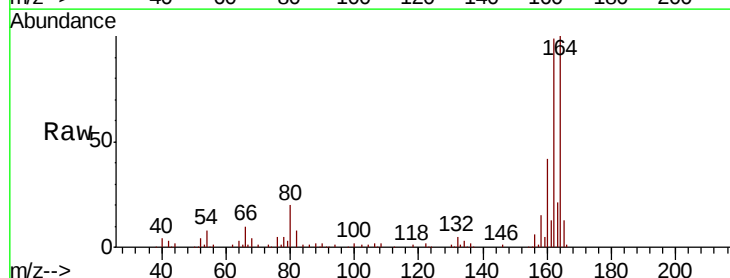
Instrument :
 BNA_G
 ClientSampled :

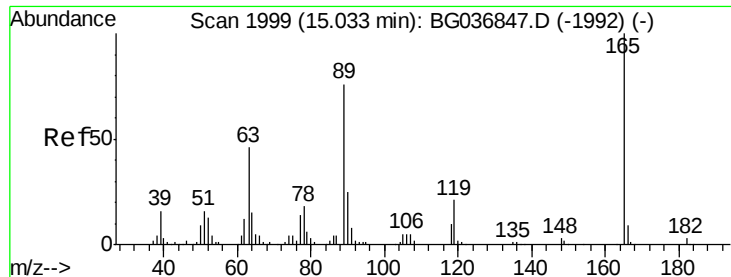
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.3	46.9
170	25.4	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.394 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.0	47.8	71.6#

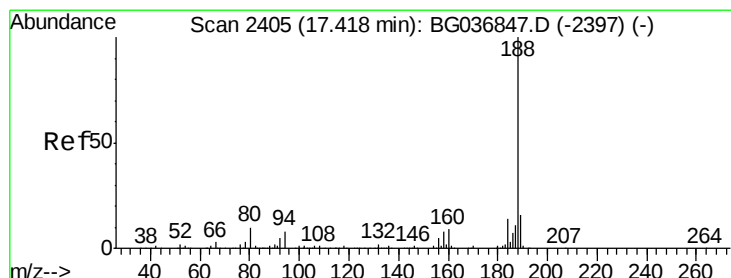
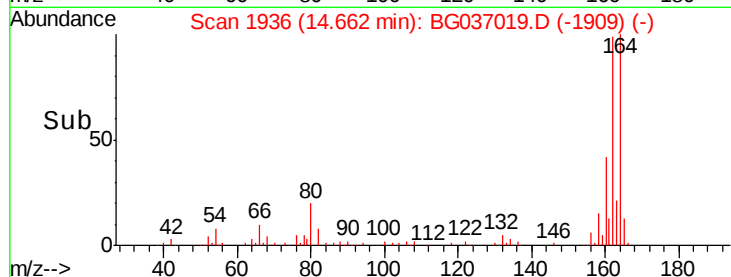
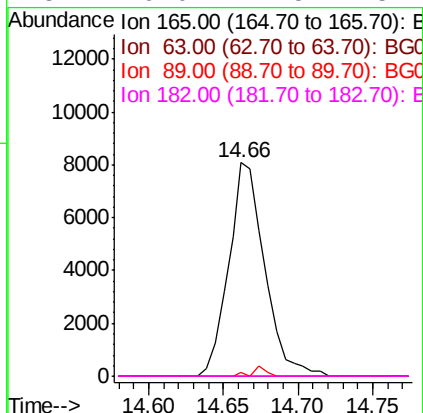
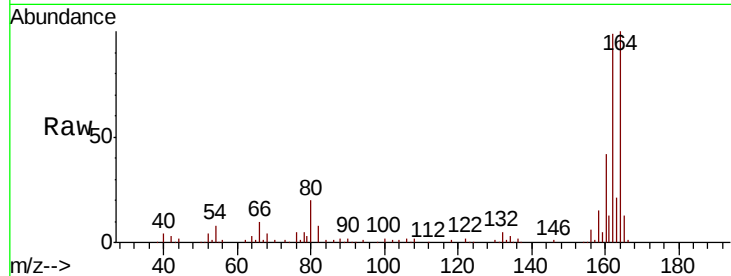




#56
 2,4-Dinitrotoluene
 Concen: 5.299 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

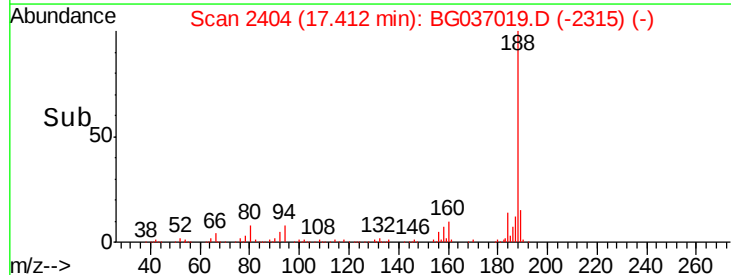
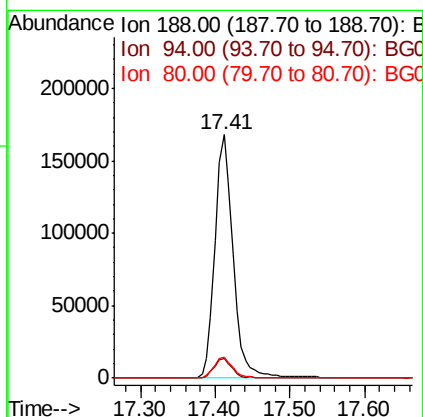
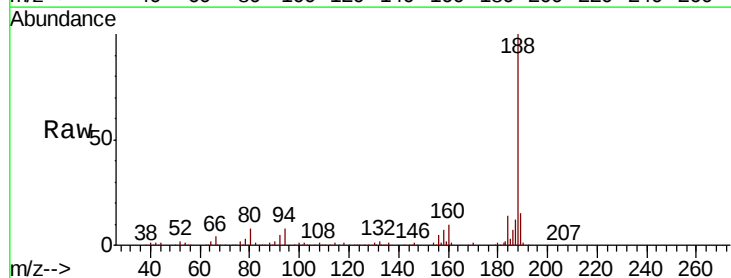
Instrument :
 BNA_G
 ClientSampleId :

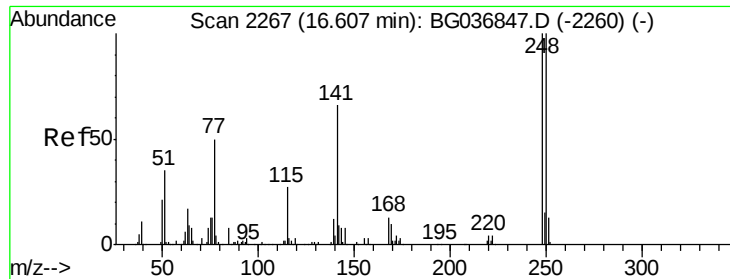
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG037019.D
 Acq: 27 Sep 2018 17:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.7	10.1
80	8.4	8.1	12.1

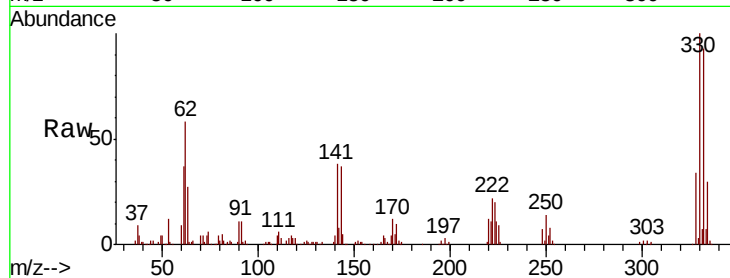




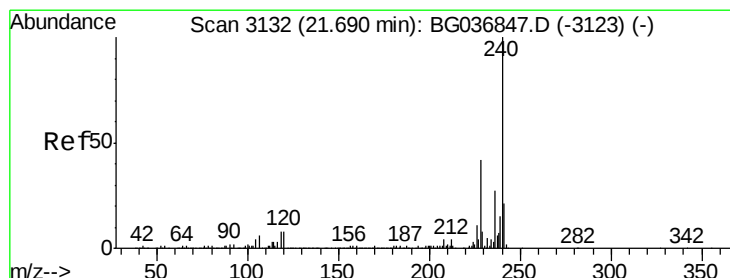
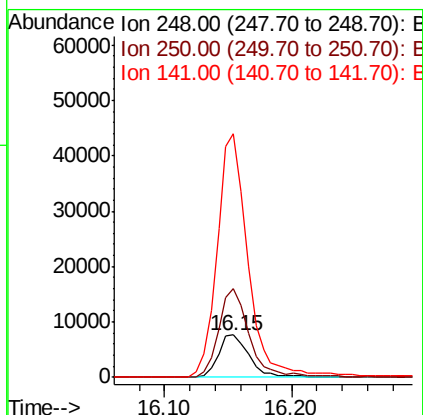
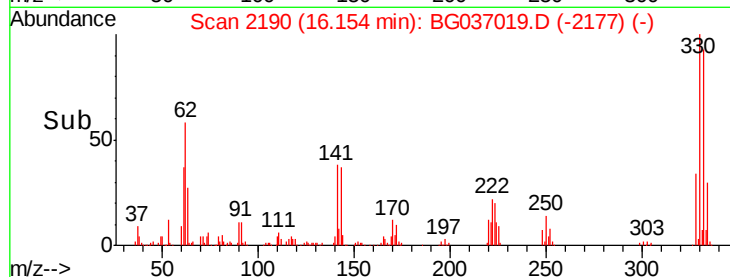
#66
4-Bromophenyl-phenylether
Concen: 3.990 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12957
Ion Ratio Lower Upper
248 100
250 208.6 78.1 117.1#
141 575.2 53.7 80.5#

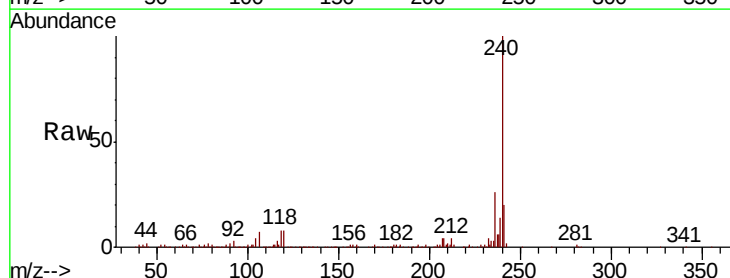


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

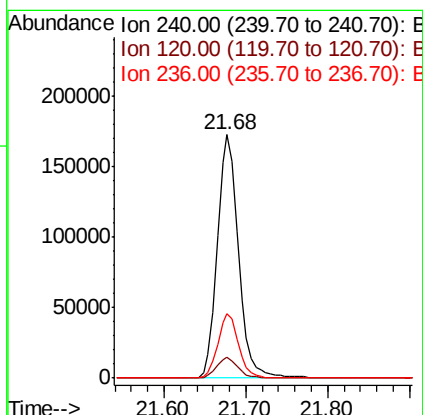
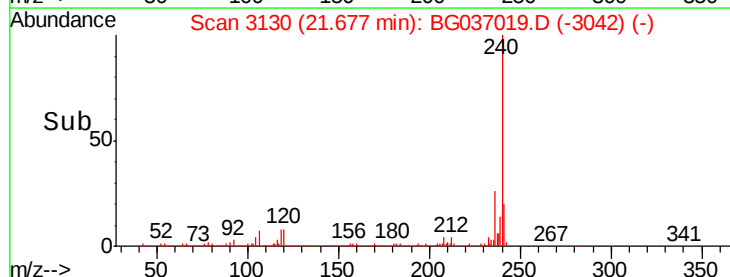


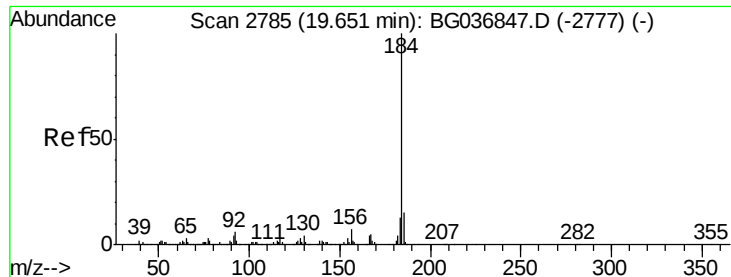
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Tgt Ion:240 Resp: 310107
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 26.2 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

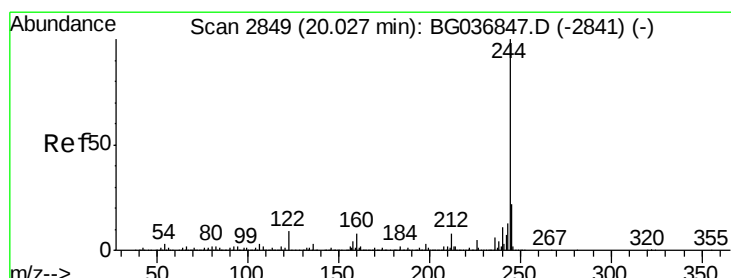
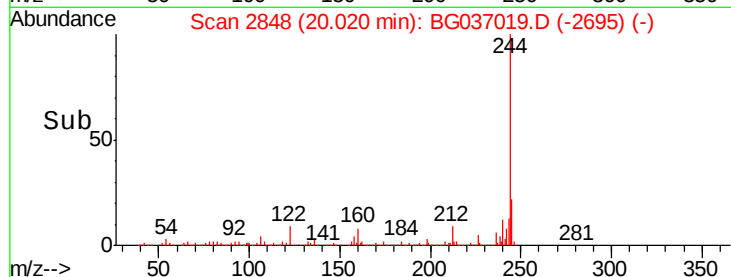
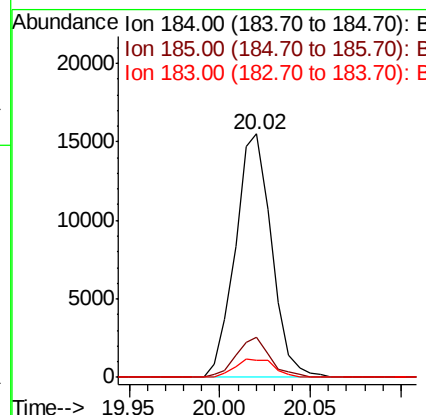
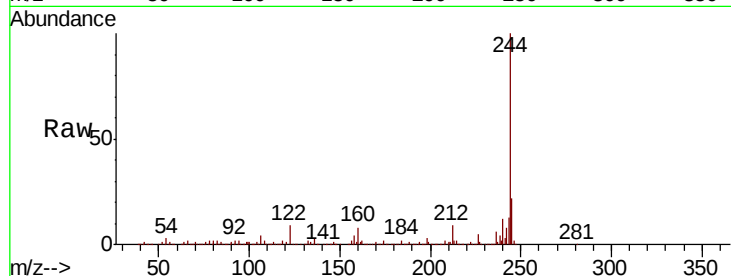




#76
Benzidine
Concen: 2.296 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

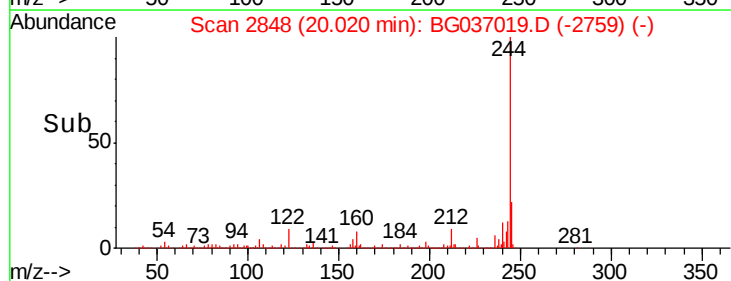
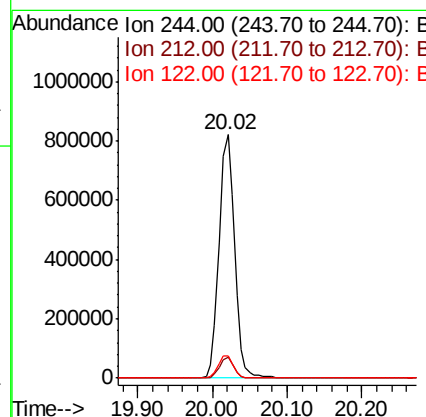
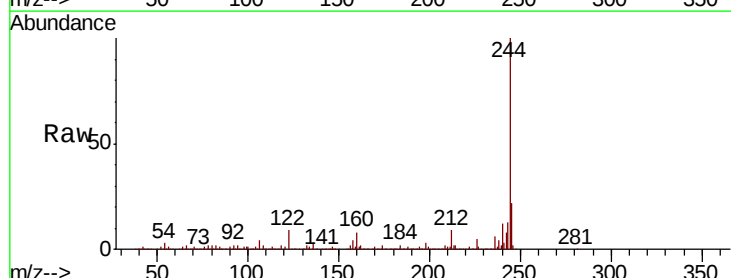
Instrument :
BNA_G
ClientSampleId :

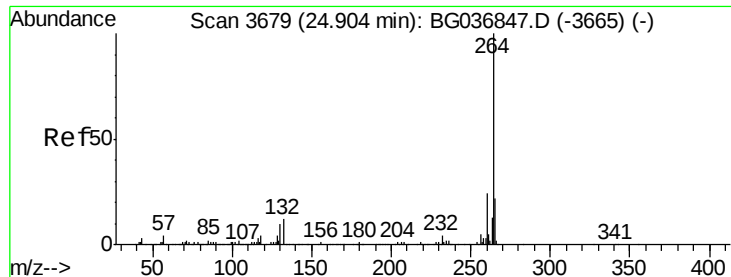
Tot Ion:184 Resp: 21526
Ion Ratio Lower Upper
184 100
185 16.3 12.6 18.8
183 6.9 10.9 16.3#



#78
Terphenyl-d14
Concen: 100.603 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Tgt Ion:244 Resp: 1186452
Ion Ratio Lower Upper
244 100
212 8.5 7.0 10.6
122 9.3 7.1 10.7





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037019.D
Acq: 27 Sep 2018 17:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.8	17.4	26.0

