

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039106.D
 Acq On : 12 Jan 2019 6:33
 Operator : JU/SJ
 Sample : PB116333TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:01:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 14:23:53 2019
 Response via : Initial Calibration

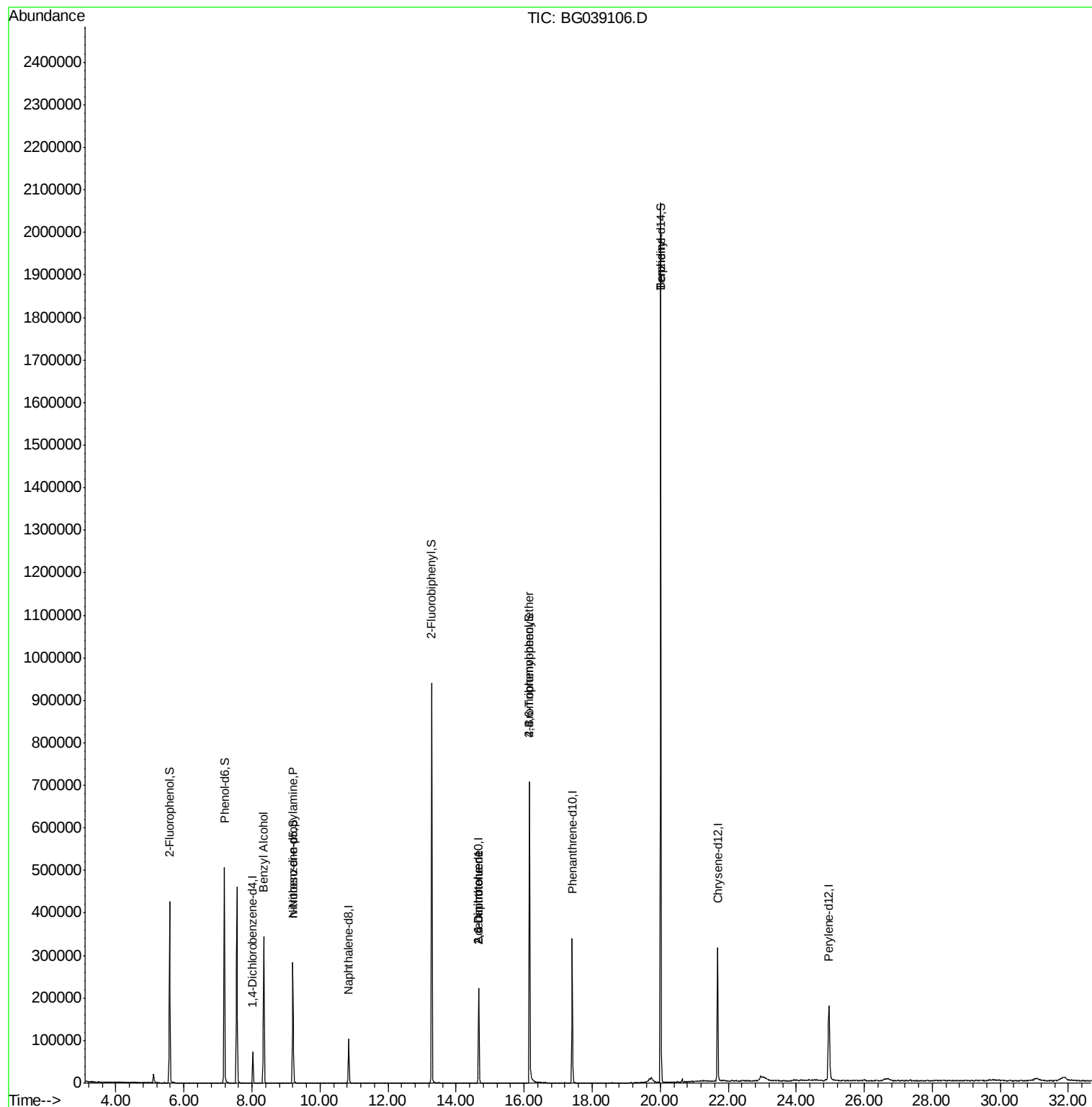
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	22158	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	100524	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	82038	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	228480	20.00	ng	0.00
76) Chrysene-d12	21.68	240	212671	20.00	ng	-0.02
87) Perylene-d12	24.96	264	229023	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	205304	175.76	ng	0.00
7) Phenol-d6	7.19	99	313079	186.25	ng	0.00
23) Nitrobenzene-d5	9.20	82	176419	96.03	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	166271	120.91	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	541979	90.41	ng	0.00
79) Terphenyl-d14	20.02	244	1077221	93.70	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.34	79	2771	2.189	ng	# 58
19) n-Nitroso-di-n-propylamine	9.20	70	22949	20.790	ng	# 64
51) 2,6-Dinitrotoluene	14.66	165	10491	6.769	ng	# 26
57) 2,4-Dinitrotoluene	14.66	165	10491	4.718	ng	# 28
67) 4-Bromophenyl-phenylether	16.16	248	10548	3.591	ng	# 1
77) Benzidine	20.02	184	17105	2.630	ng	# 91

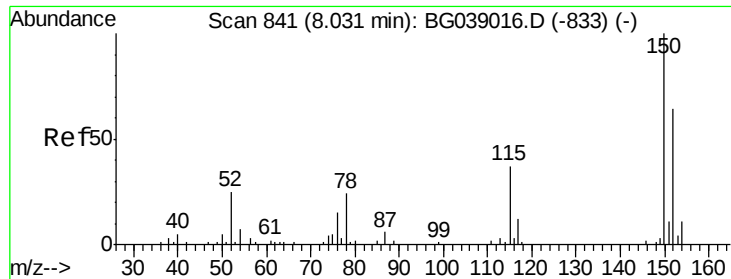
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jan 14 10:01:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 09 14:23:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.01 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

Instrument :

BNA_G

ClientSampled :

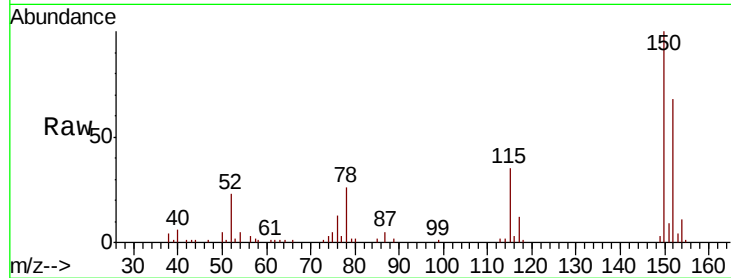
Tot Ion:152 Resp: 22158

Ion Ratio Lower Upper

152 100

150 146.4 124.7 187.1

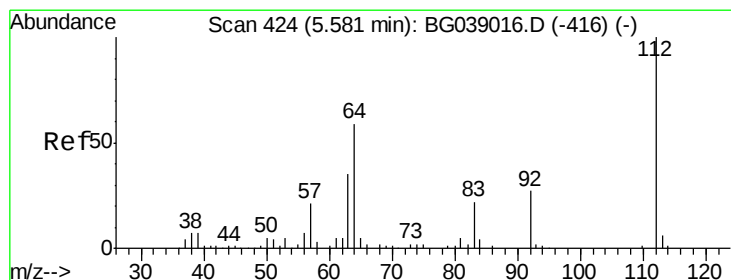
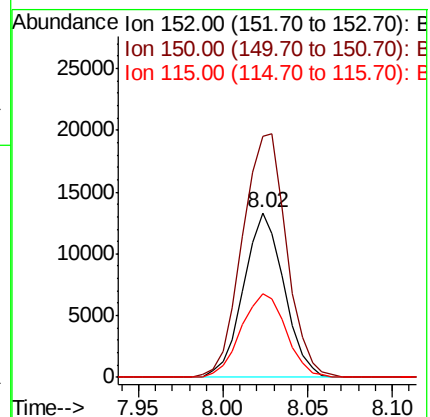
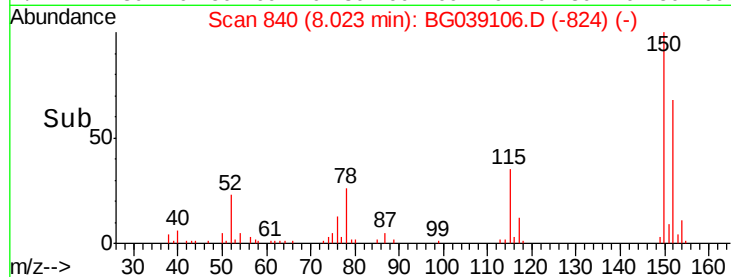
115 50.5 46.5 69.7



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: 175.764 ng

RT: 5.58 min Scan# 424

Delta R.T. -0.00 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

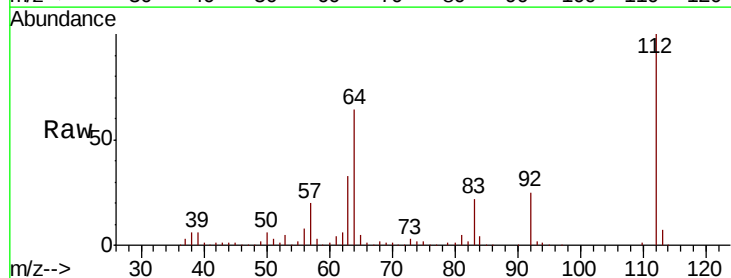
Tgt Ion:112 Resp: 205304

Ion Ratio Lower Upper

112 100

64 63.9 47.0 70.6

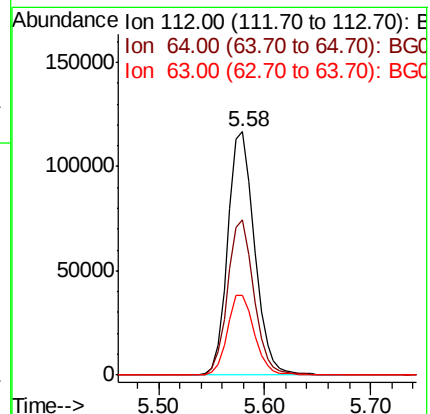
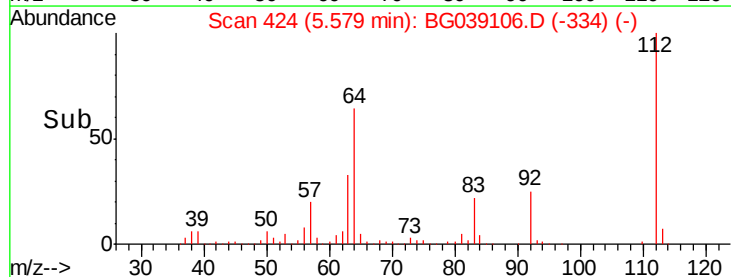
63 32.8 28.0 42.0

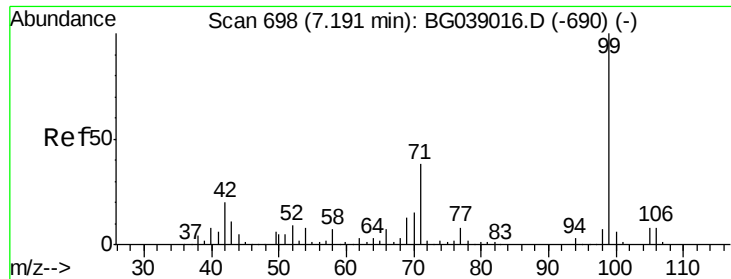


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 186.246 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

Instrument :

BNA_G

ClientSampleId :

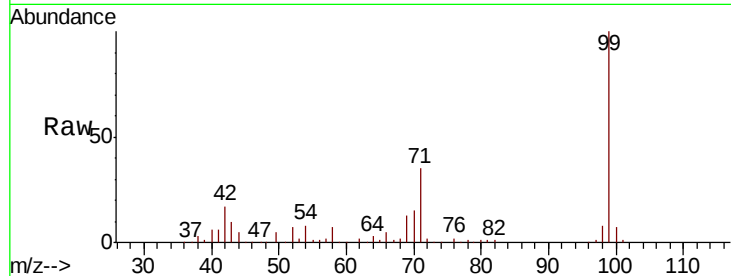
Tot Ion: 99 Resp: 313079

Ion Ratio Lower Upper

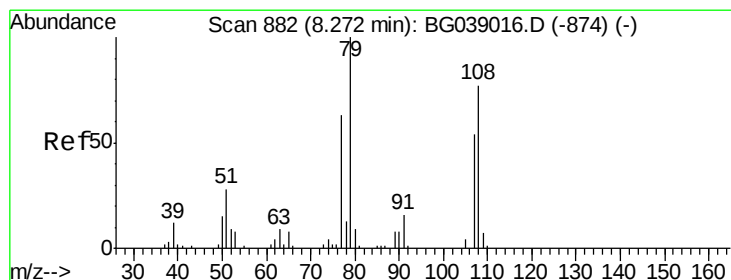
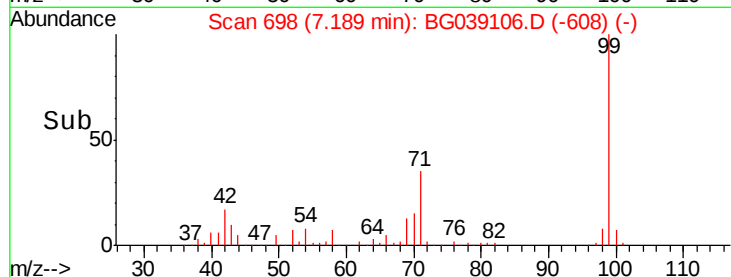
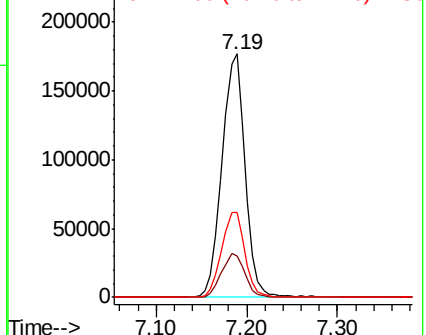
99 100

42 17.2 15.8 23.6

71 35.1 30.2 45.4



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: 2.189 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

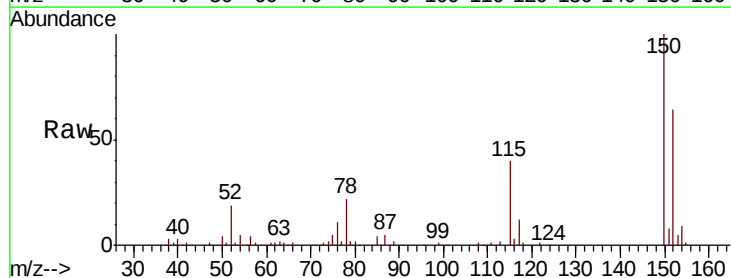
Tgt Ion: 79 Resp: 2771

Ion Ratio Lower Upper

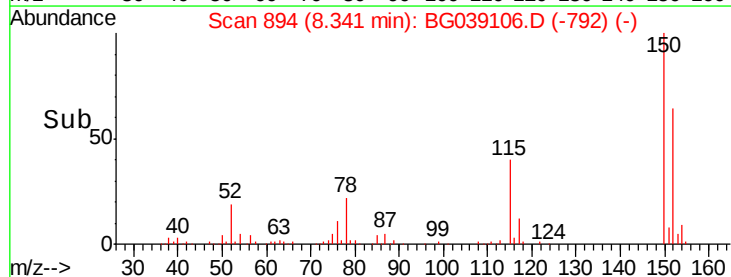
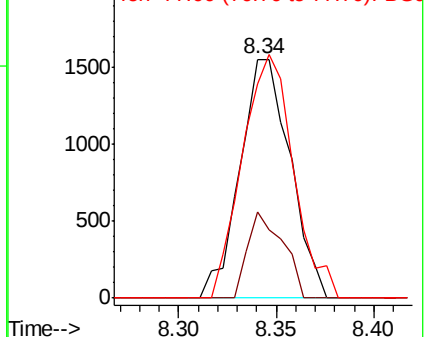
79 100

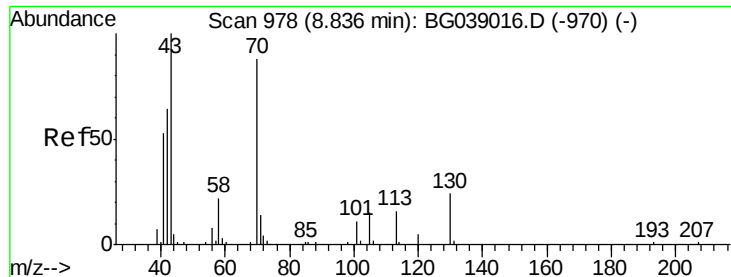
108 36.3 62.0 93.0#

77 89.6 50.1 75.1#



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

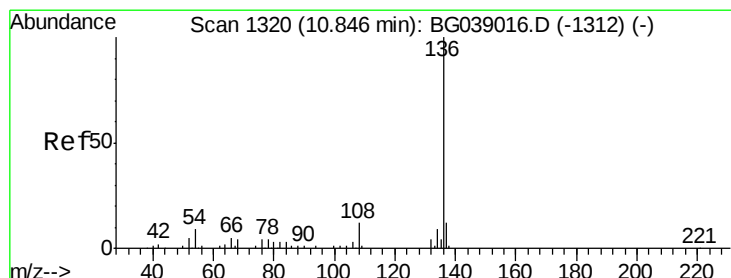
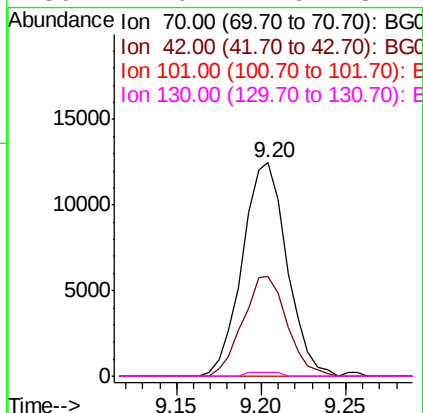
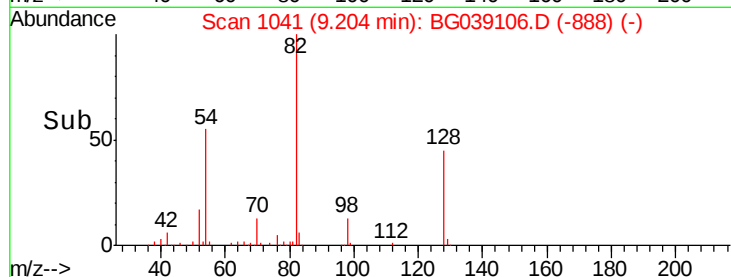
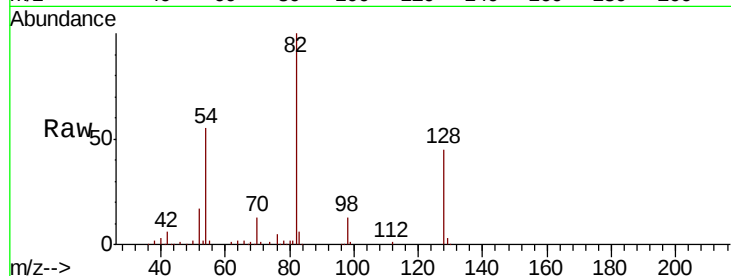




#19
n-Nitroso-di-n-propylamine
Concen: 20.790 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.37 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

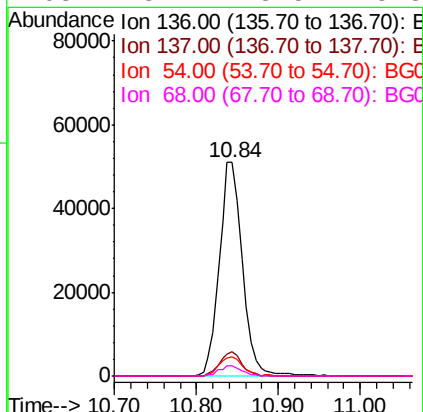
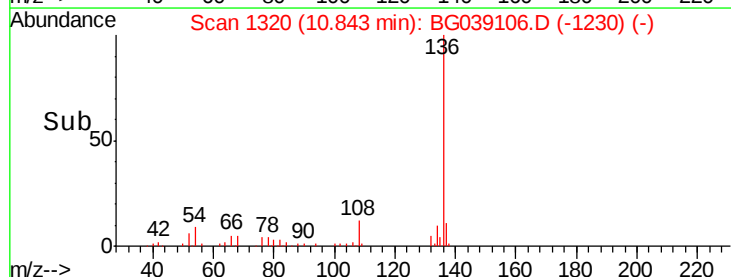
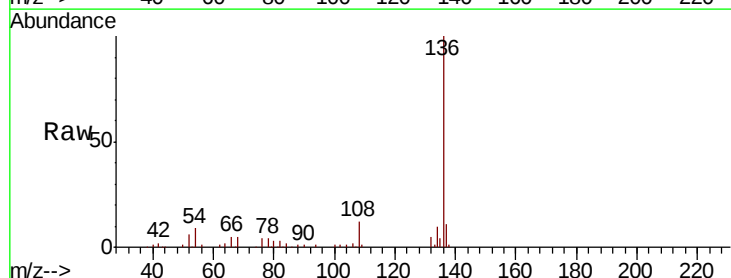
Instrument :
BNA_G
ClientSampleId :

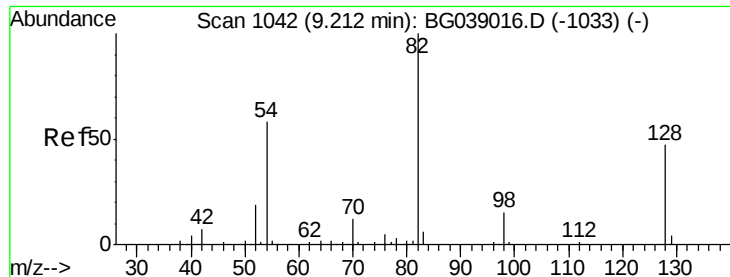
Tot Ion: 70 Resp: 22949
Ion Ratio Lower Upper
70 100
42 46.5 59.0 88.4#
101 0.0 10.4 15.6#
130 2.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

Tgt Ion: 136 Resp: 100524
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 8.8 7.2 10.8
68 5.1 3.5 5.3

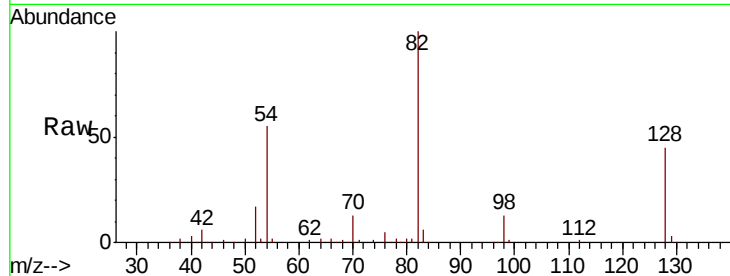




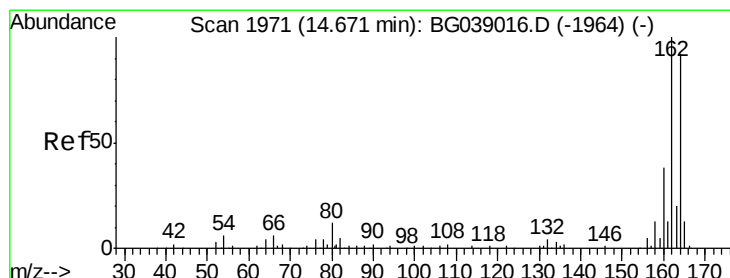
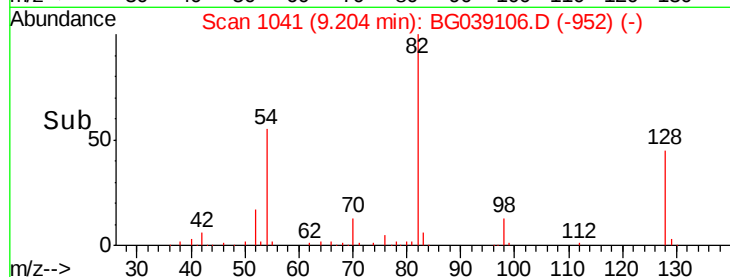
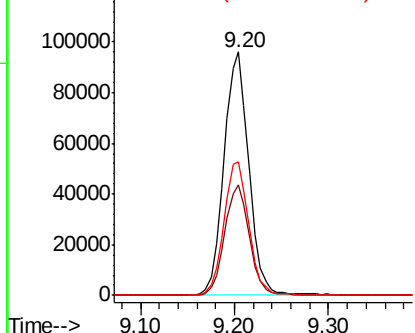
#23
Nitrobenzene-d5
Concen: 96.032 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

Instrument :
BNA_G
ClientSampleID :

Tot Ion: 82 Resp: 176419
Ion Ratio Lower Upper
82 100
128 45.4 37.3 55.9
54 55.0 46.4 69.6

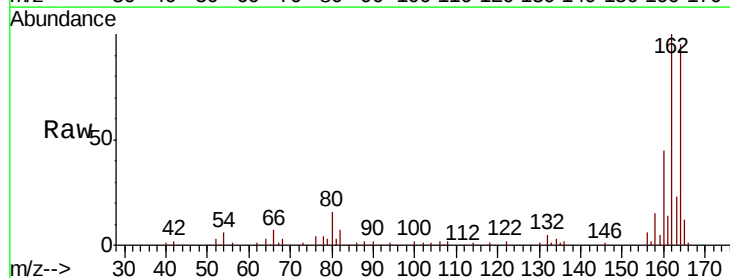


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

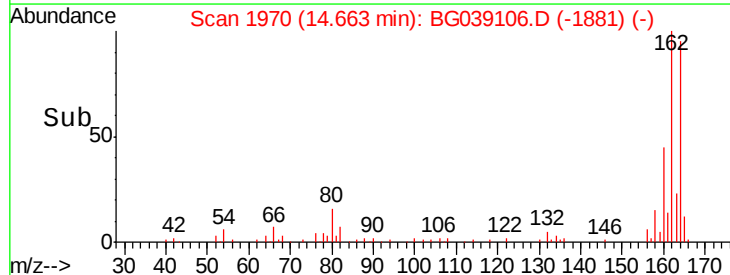
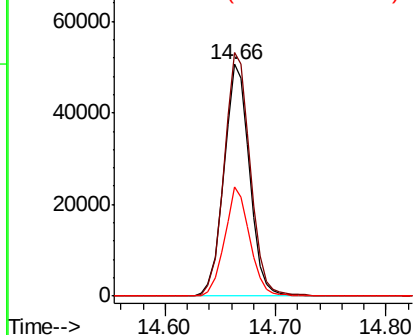


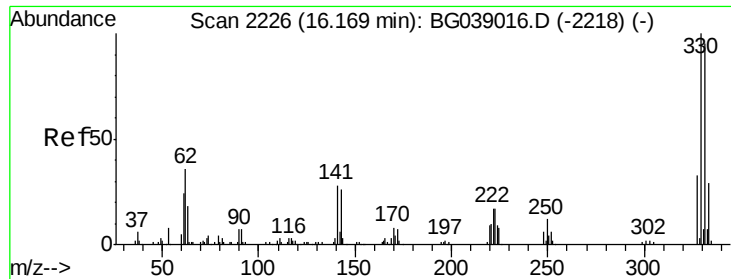
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

Tgt Ion: 164 Resp: 82038
Ion Ratio Lower Upper
164 100
162 105.2 87.2 130.8
160 46.9 33.3 49.9



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

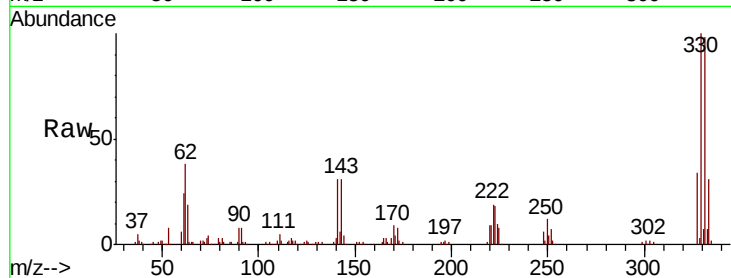




#42
 2,4,6-Tribromophenol
 Concen: 120.908 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BG039106.D
 Acq: 12 Jan 2019 6:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.7	113.5
141	31.9	24.9	37.3

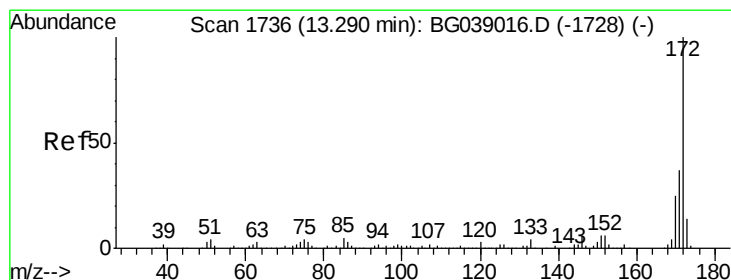
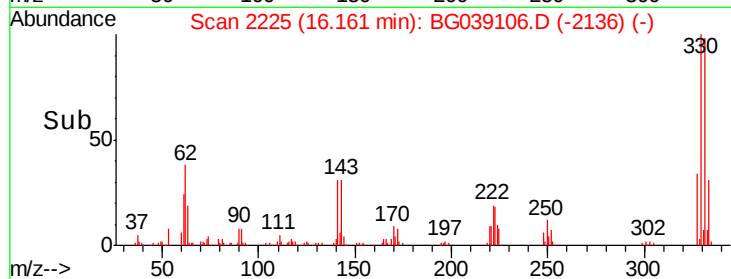
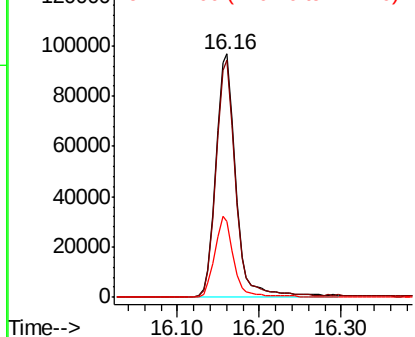


Abundance

Ion 329.80 (329.50 to 330.50): E

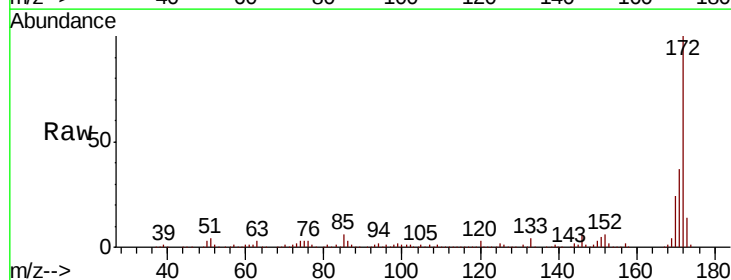
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.413 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG039106.D
 Acq: 12 Jan 2019 6:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	23.6	20.1	30.1

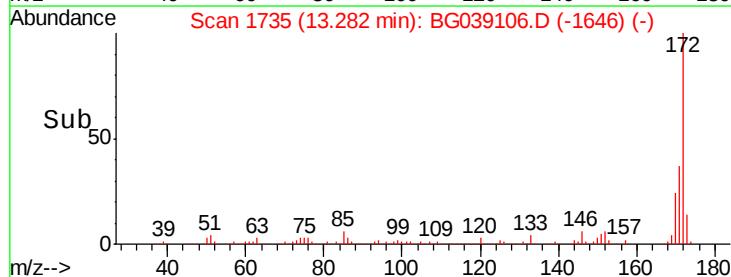
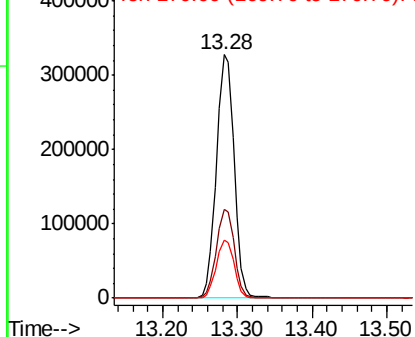


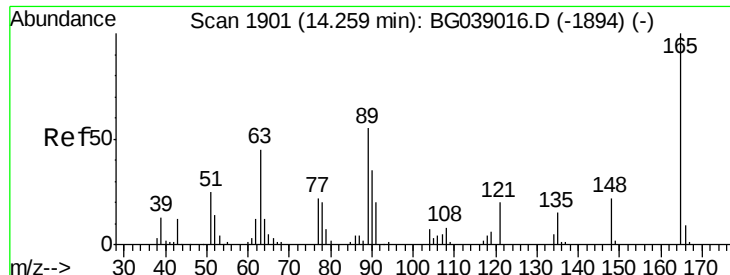
Abundance

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

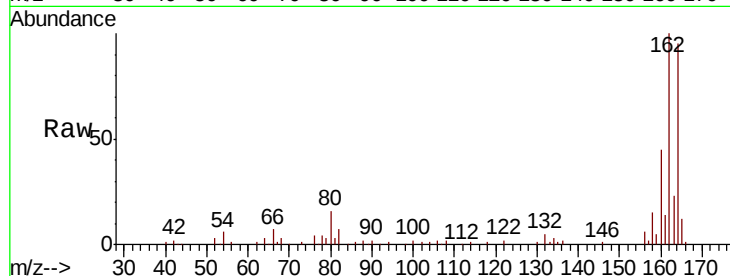




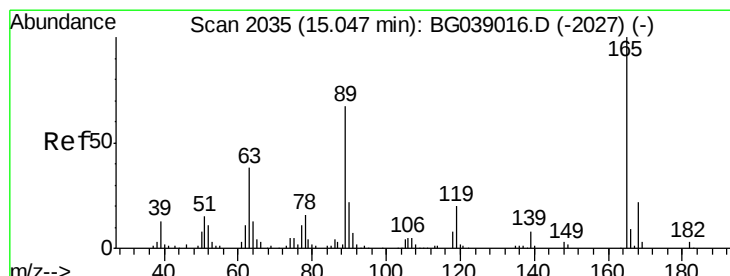
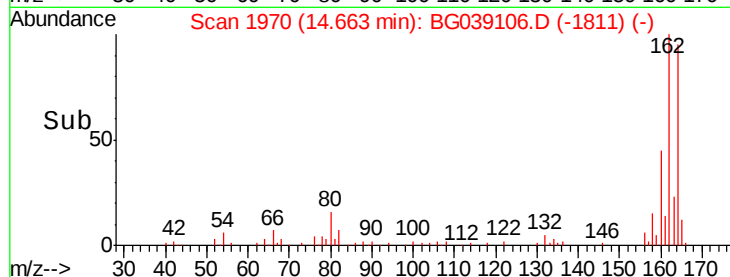
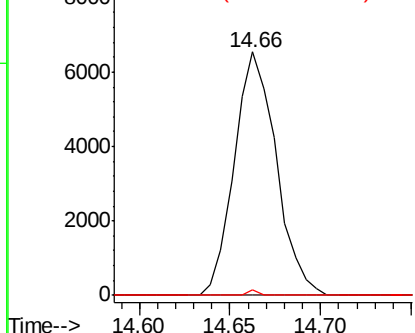
#51
 2,6-Dinitrotoluene
 Concen: 6.769 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039106.D
 Acq: 12 Jan 2019 6:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.6	65.4#
89	2.4	43.7	65.5#



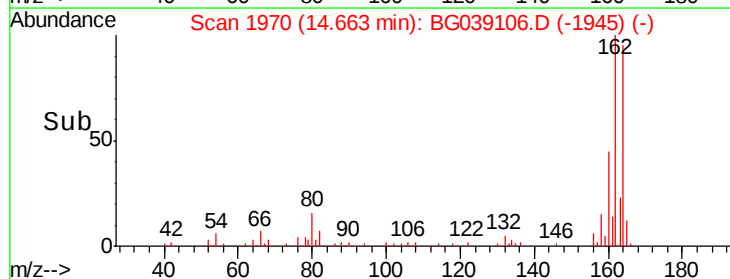
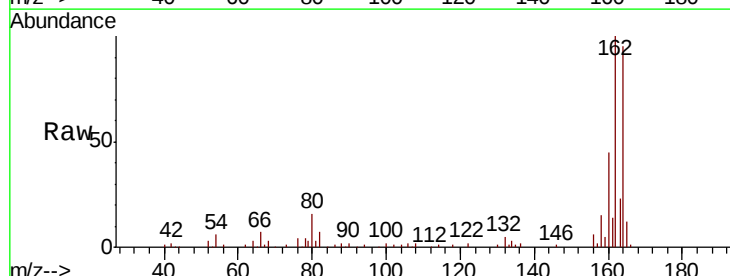
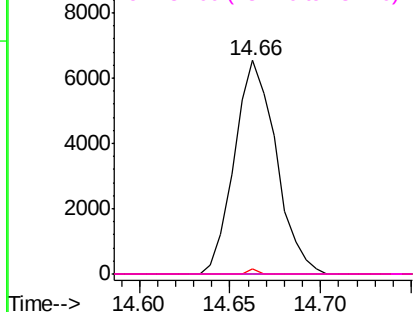
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

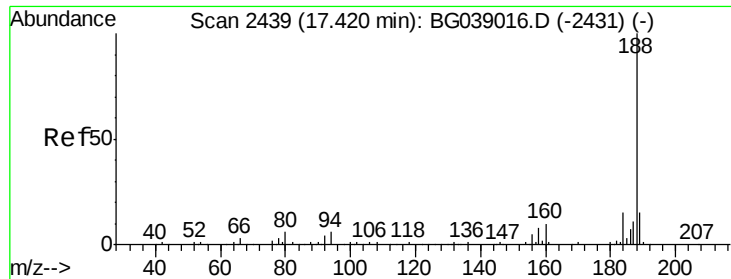


#57
 2,4-Dinitrotoluene
 Concen: 4.718 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039106.D
 Acq: 12 Jan 2019 6:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	2.4	53.2	79.8#
182	0.0	2.7	4.1#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

Instrument :

BNA_G

ClientSampleId :

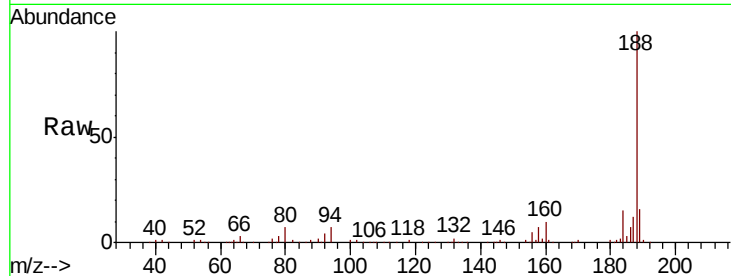
Tot Ion:188 Resp: 228480

Ion Ratio Lower Upper

188 100

94 7.4 5.0 7.4#

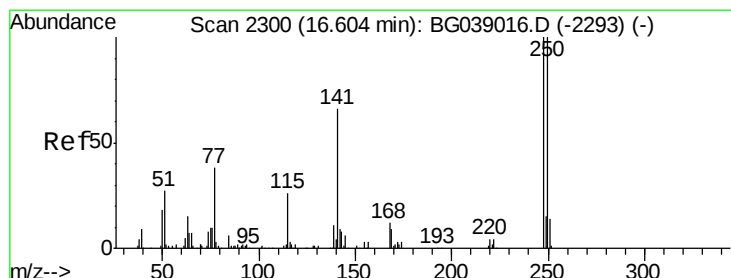
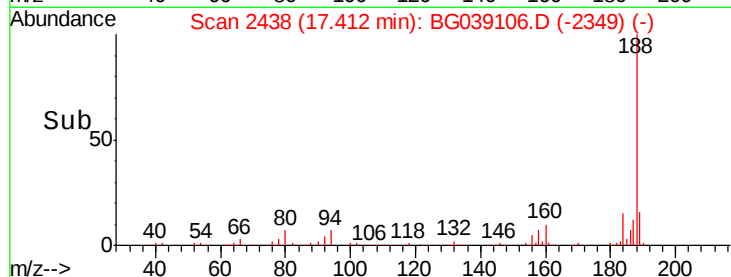
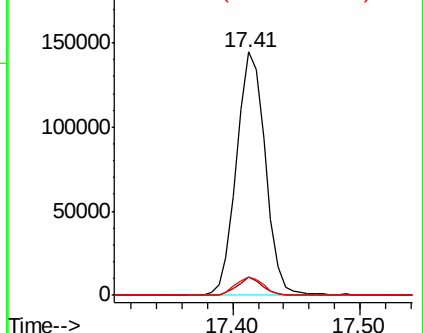
80 7.4 4.7 7.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.591 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.44 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

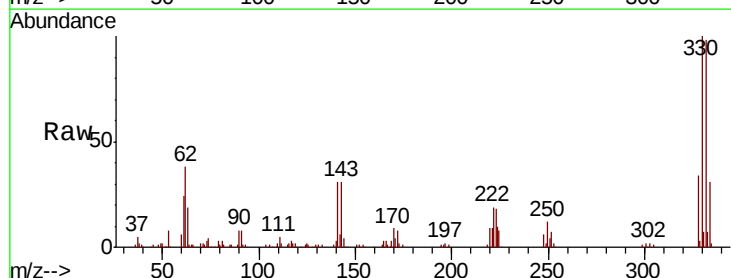
Tgt Ion:248 Resp: 10548

Ion Ratio Lower Upper

248 100

250 186.6 79.9 119.9#

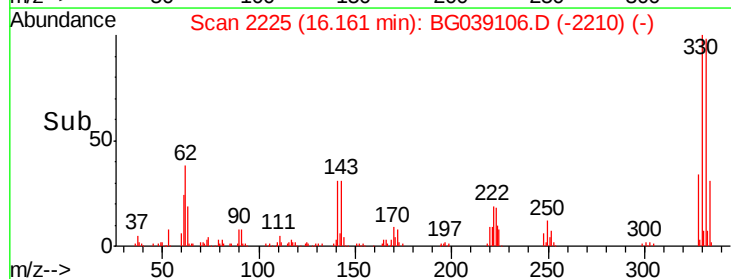
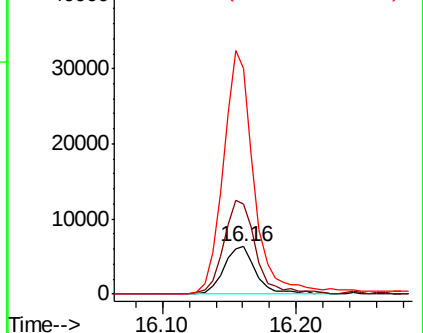
141 359.3 52.7 79.1#

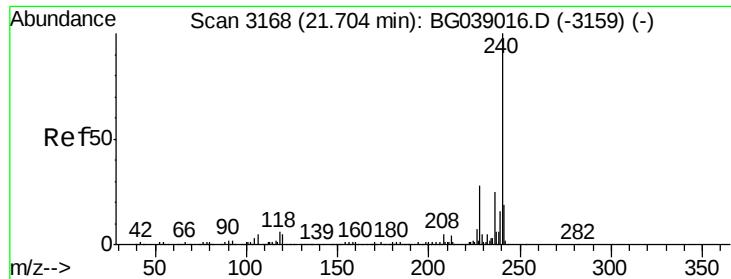


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

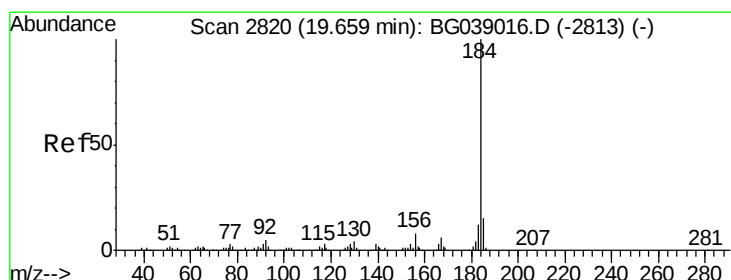
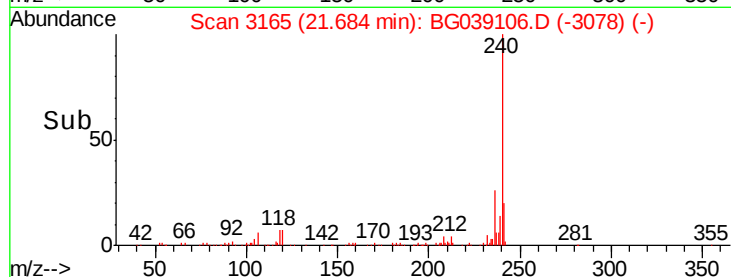
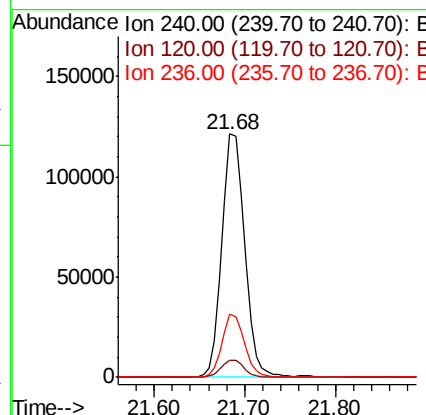
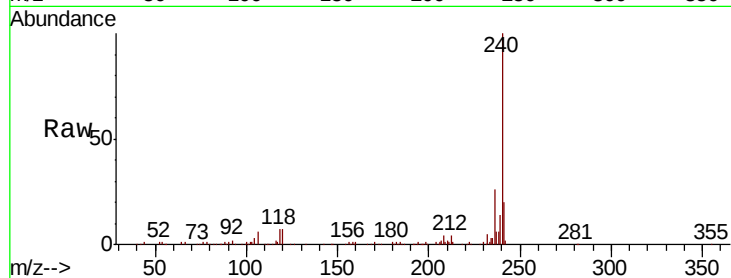




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

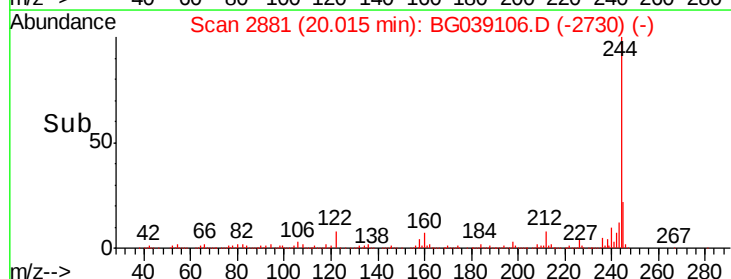
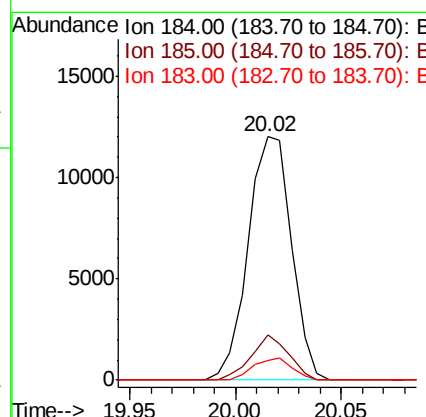
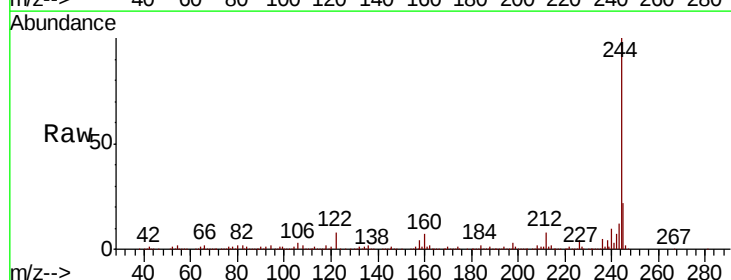
Instrument :
BNA_G
ClientSampleId :

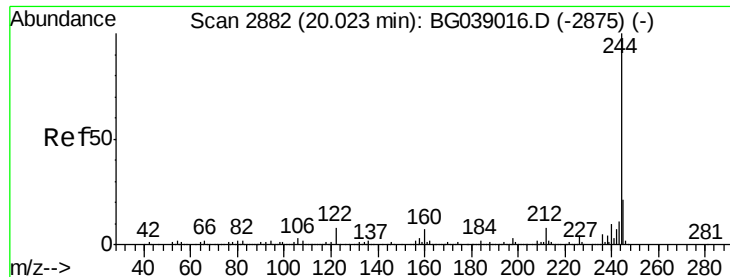
Tot Ion:240 Resp: 212671
Ion Ratio Lower Upper
240 100
120 7.1 4.3 6.5#
236 25.8 20.1 30.1



#77
Benzidine
Concen: 2.630 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039106.D
Acq: 12 Jan 2019 6:33

Tgt Ion:184 Resp: 17105
Ion Ratio Lower Upper
184 100
185 18.5 12.1 18.1#
183 8.2 9.5 14.3#





#79

Terphenyl-d14

Concen: 93.701 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

Instrument :

BNA_G

ClientSampled :

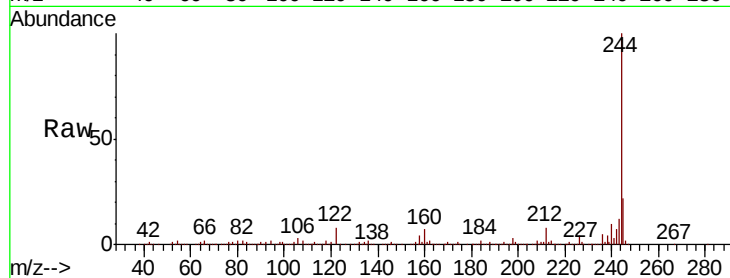
Tot Ion:244 Resp: 1077221

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

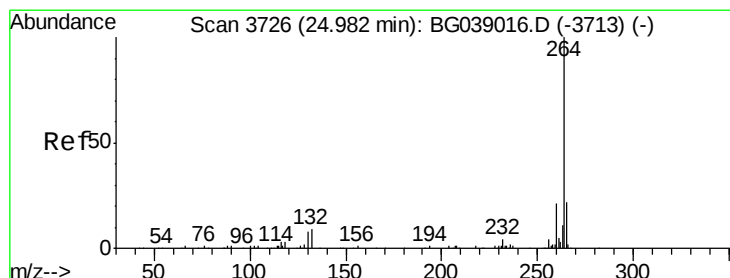
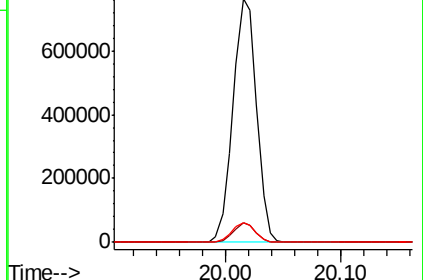
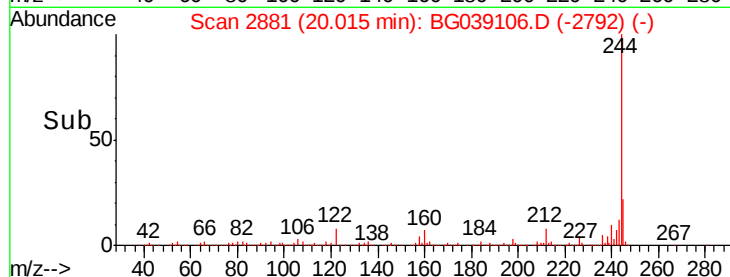
122 8.0 6.1 9.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3722

Delta R.T. -0.03 min

Lab File: BG039106.D

Acq: 12 Jan 2019 6:33

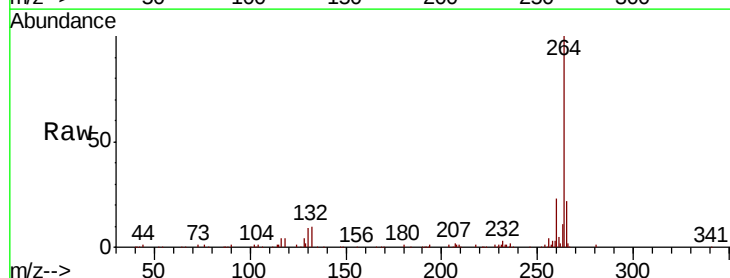
Tgt Ion:264 Resp: 229023

Ion Ratio Lower Upper

264 100

260 22.6 17.0 25.6

265 21.5 17.2 25.8



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

