

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
 Data File : BG039111.D
 Acq On : 12 Jan 2019 9:49
 Operator : JU/SJ
 Sample : K1011-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:03:17 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

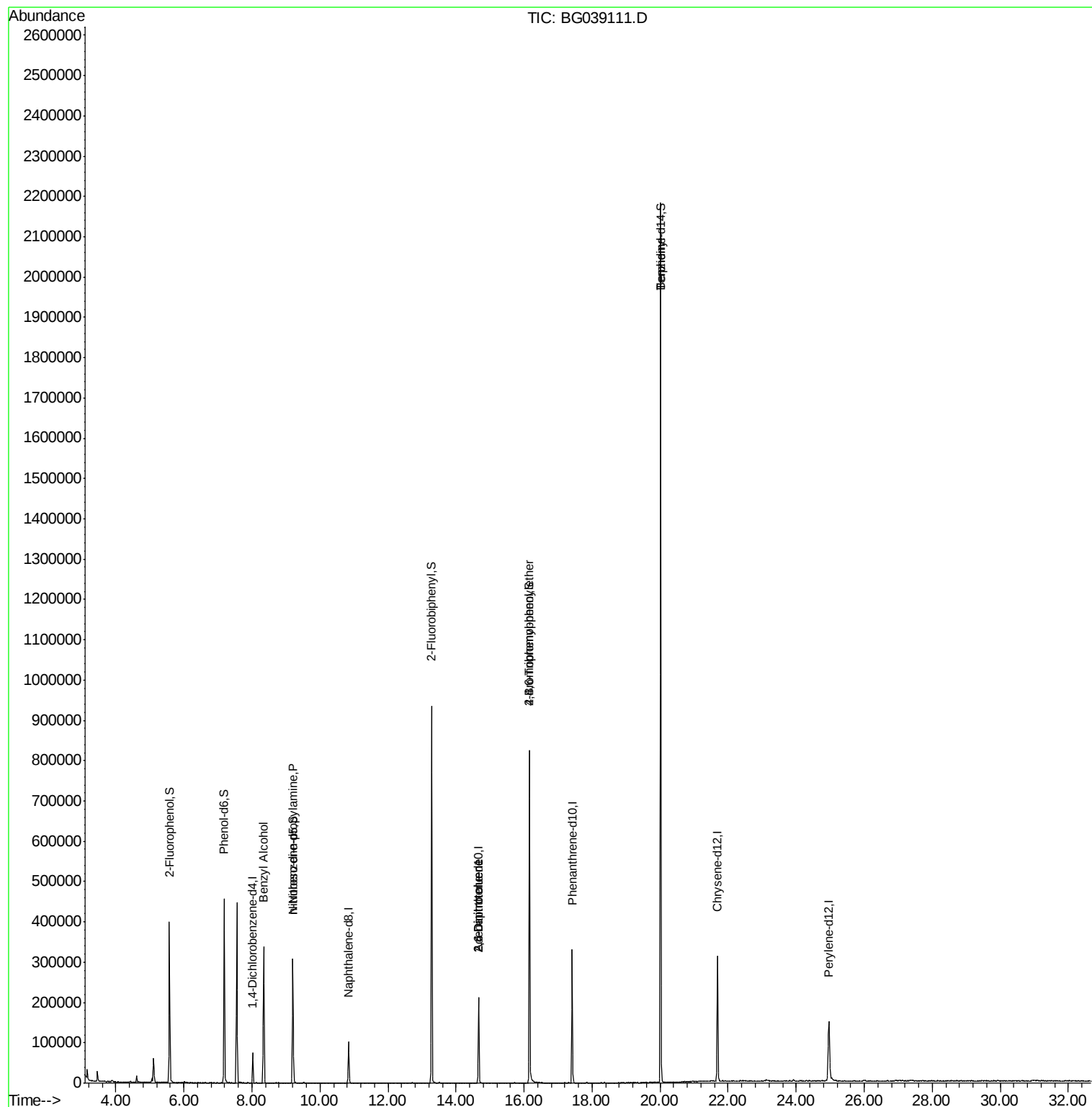
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	23037	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	96096	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	77232	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	220305	20.00	ng	0.00
76) Chrysene-d12	21.69	240	207140	20.00	ng	-0.02
87) Perylene-d12	24.96	264	206484	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	189622	156.14	ng	0.00
7) Phenol-d6	7.18	99	263700	150.89	ng	0.00
23) Nitrobenzene-d5	9.20	82	194449	110.72	ng	-0.01
42) 2,4,6-Tribromophenol	16.16	330	182934	141.30	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	514182	91.11	ng	0.00
79) Terphenyl-d14	20.02	244	1129463	100.87	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.34	79	2649	2.013	ng	# 59
19) n-Nitroso-di-n-propylamine	9.20	70	25086	21.858	ng	# 62
51) 2,6-Dinitrotoluene	14.66	165	9717	6.659	ng	# 24
57) 2,4-Dinitrotoluene	14.66	165	9717	4.642	ng	# 26
67) 4-Bromophenyl-phenylether	16.16	248	12016	4.243	ng	# 1
77) Benzidine	20.02	184	17962	2.835	ng	# 93

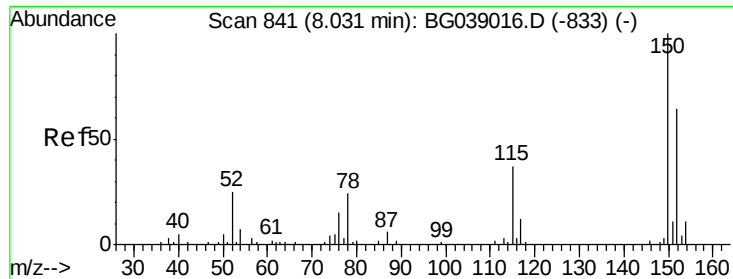
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011119\
Data File : BG039111.D
Acq On : 12 Jan 2019 9:49
Operator : JU/SJ
Sample : K1011-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 14 10:03:17 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



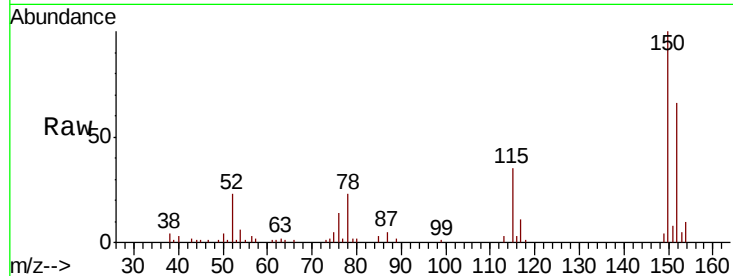


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.6	124.7	187.1
115	53.4	46.5	69.7

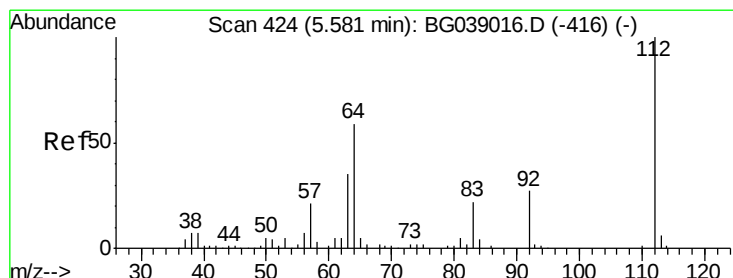
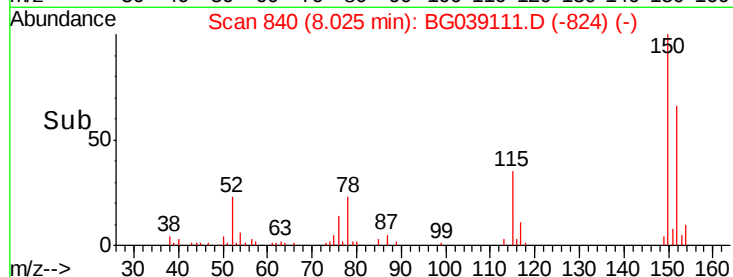
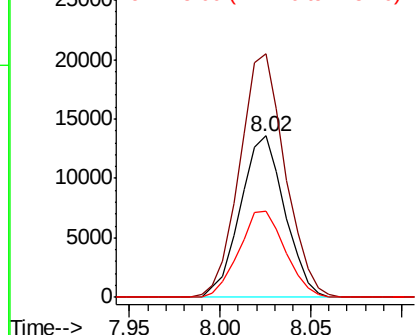


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

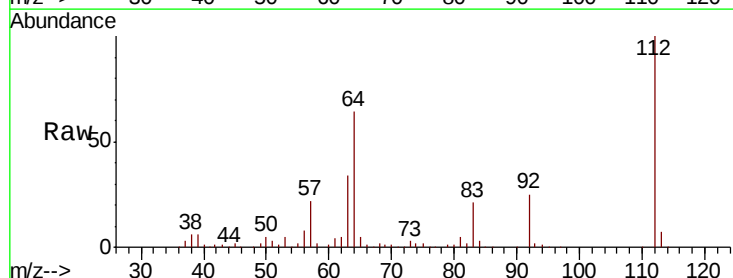
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 156.144 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.01 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.0	70.6
63	33.6	28.0	42.0

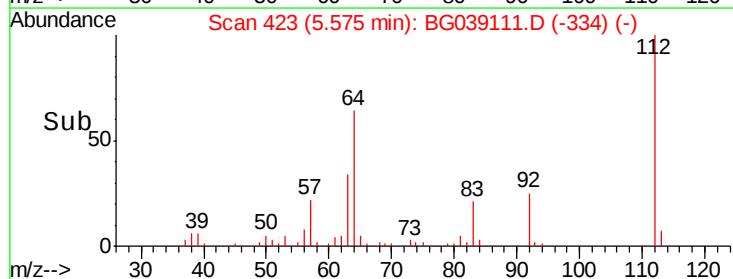
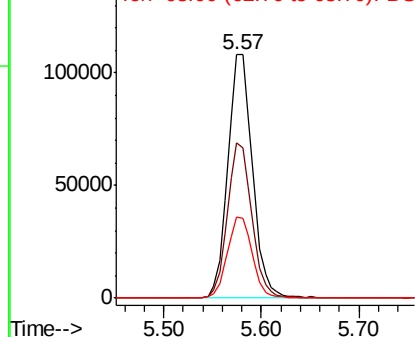


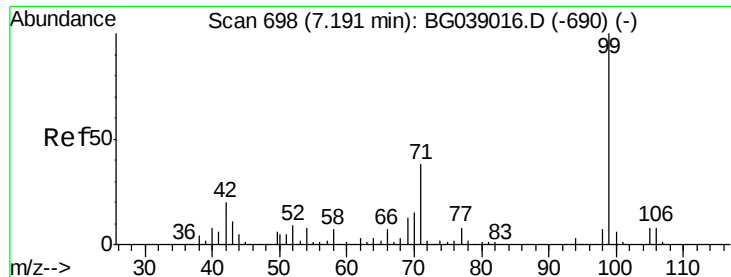
Abundance

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: 150.885 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA_G

ClientSampleId :

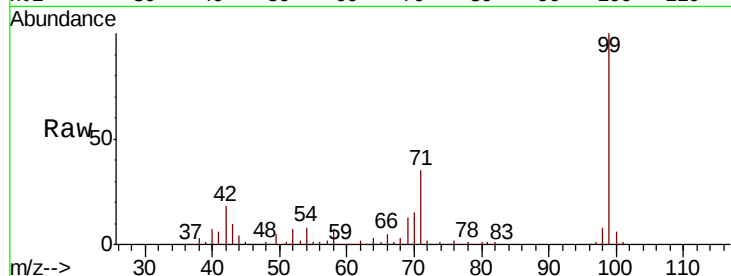
Tot Ion: 99 Resp: 263700

Ion Ratio Lower Upper

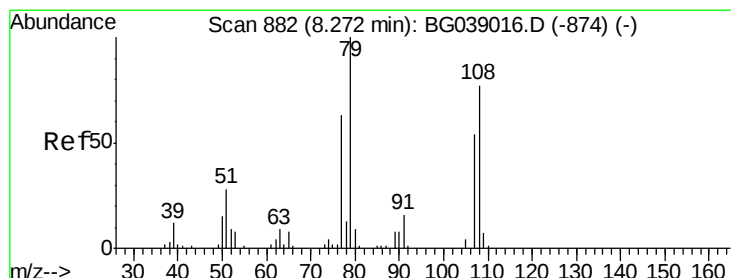
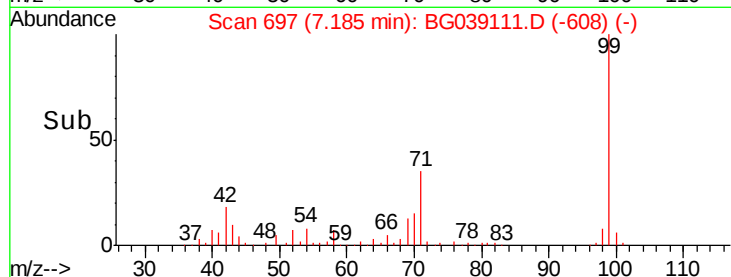
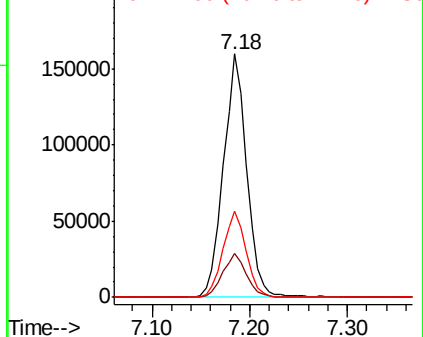
99 100

42 17.9 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: 2.013 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.07 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

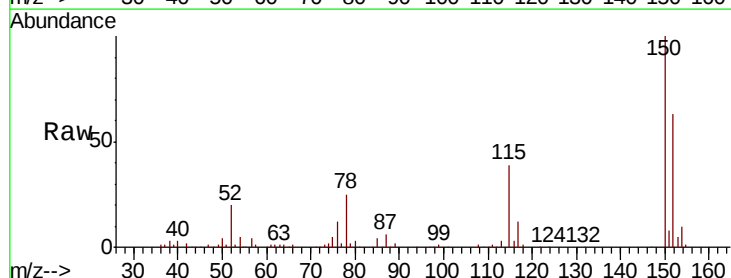
Tgt Ion: 79 Resp: 2649

Ion Ratio Lower Upper

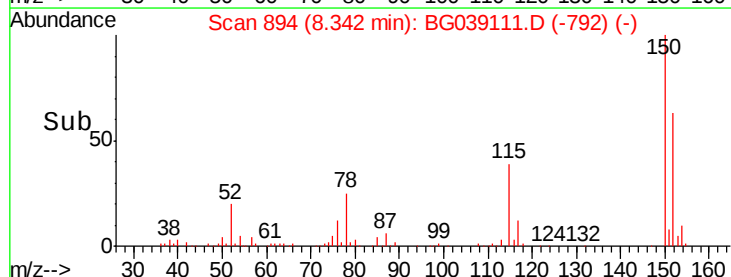
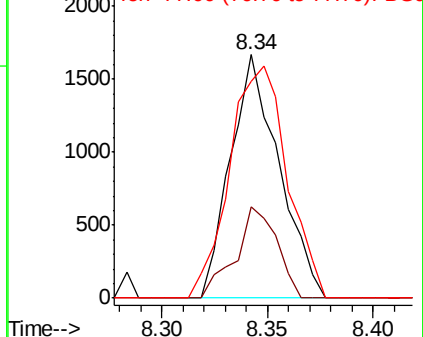
79 100

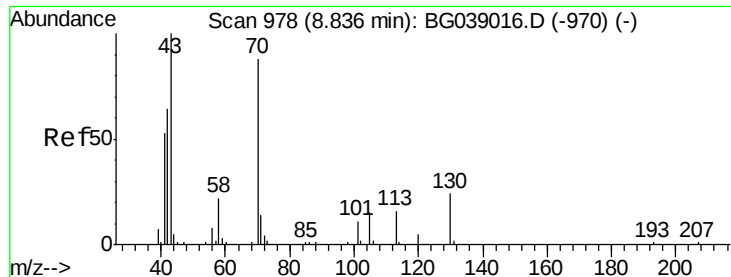
108 37.6 62.0 93.0#

77 89.3 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

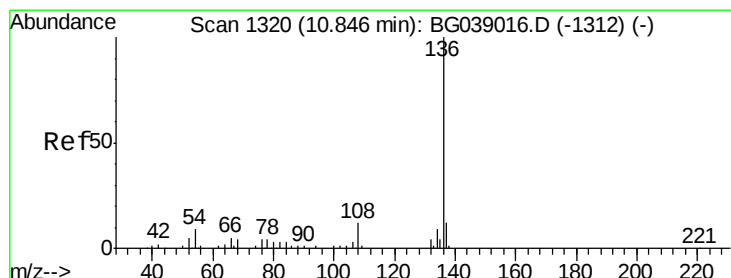
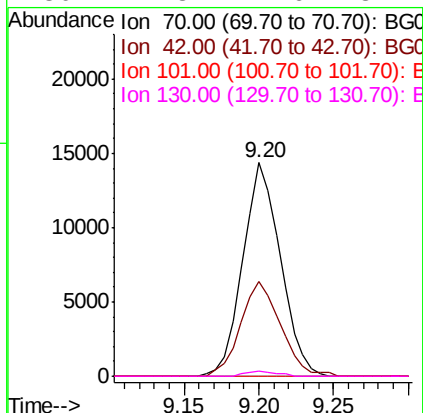
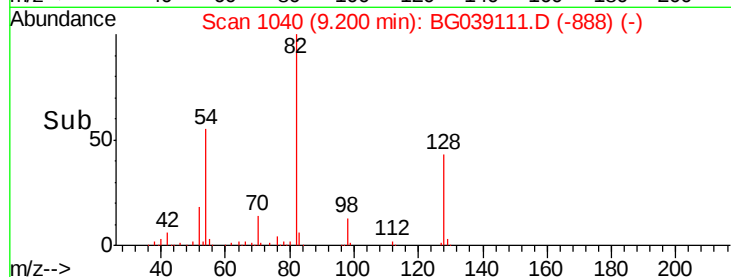
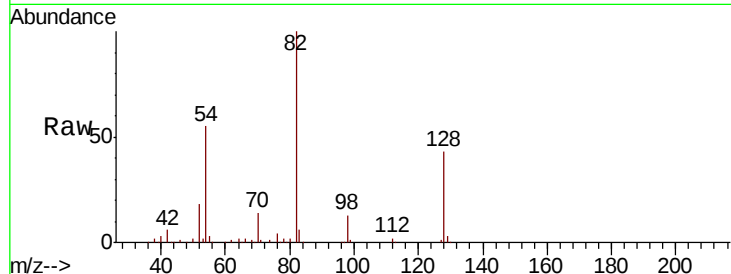




#19
n-Nitroso-di-n-propylamine
Concen: 21.858 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.36 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

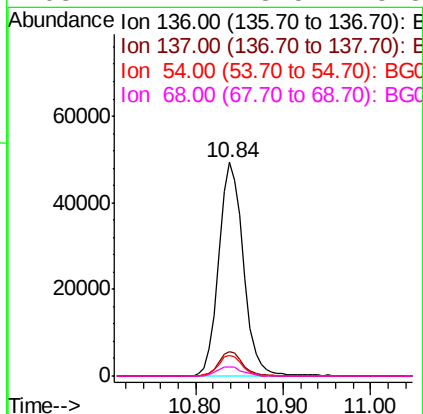
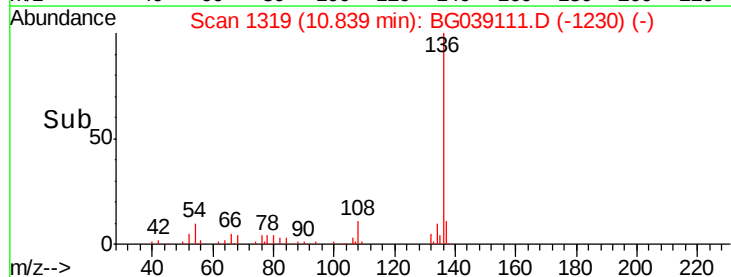
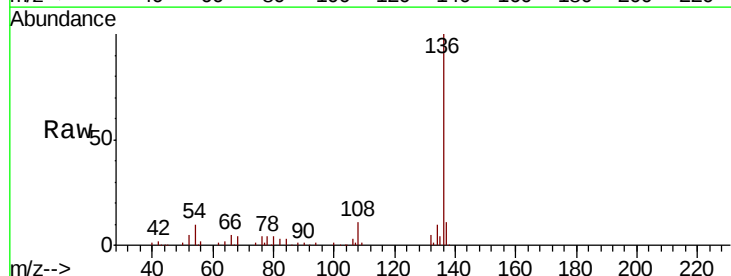
Instrument :
BNA_G
ClientSampleId :

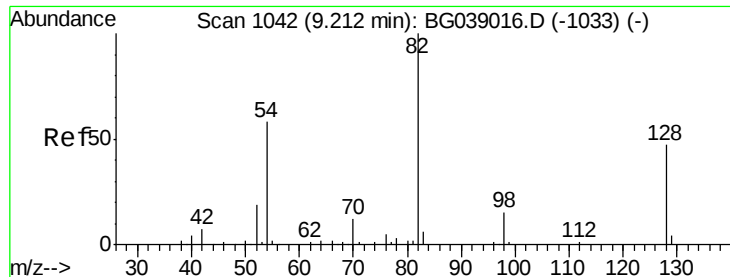
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	44.2	59.0	88.4#	
101	0.0	10.4	15.6#	
130	2.3	21.6	32.4#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.5	9.4	14.2	
54	9.7	7.2	10.8	
68	4.2	3.5	5.3	

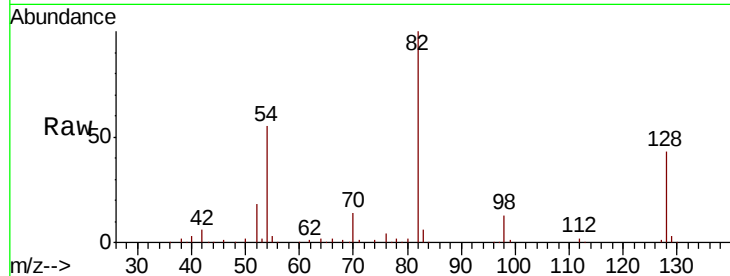




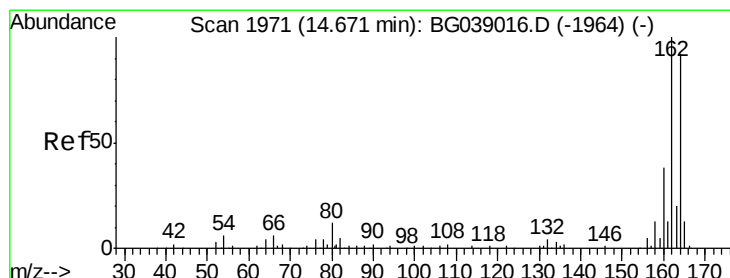
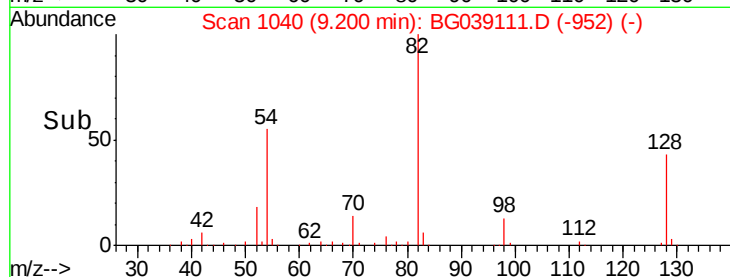
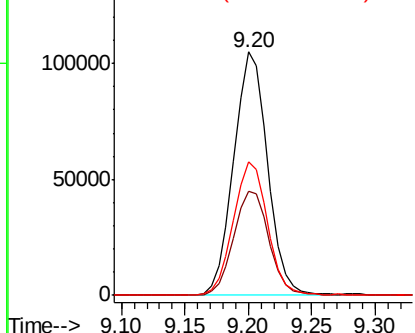
#23
Nitrobenzene-d5
Concen: 110.724 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	194449
Ion Ratio	100	Lower	Upper
128	42.5	37.3	55.9
54	54.6	46.4	69.6

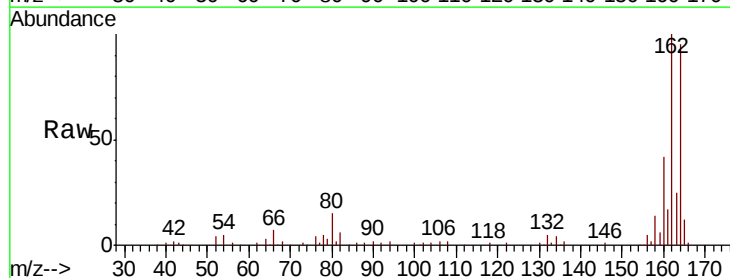


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

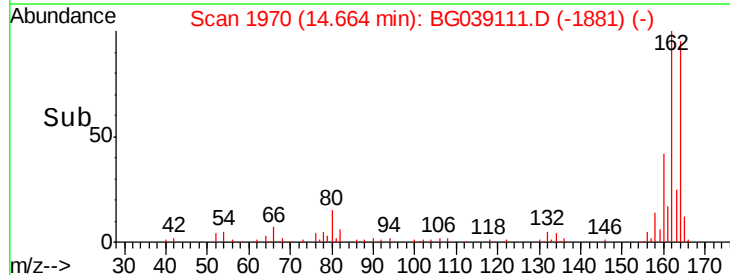
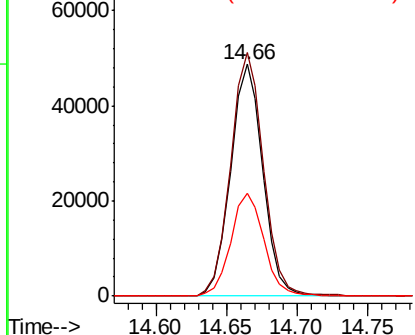


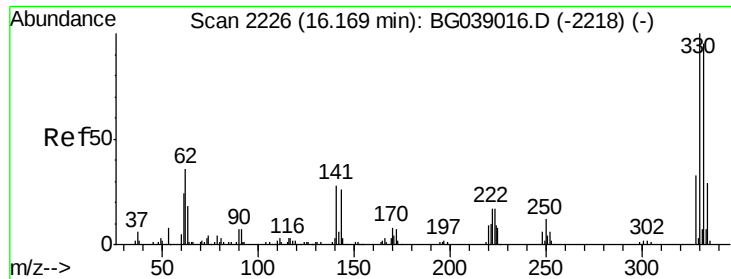
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Tgt Ion	164	Resp	77232
Ion Ratio	100	Lower	Upper
162	105.1	87.2	130.8
160	44.4	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: 141.303 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA_G

ClientSampled :

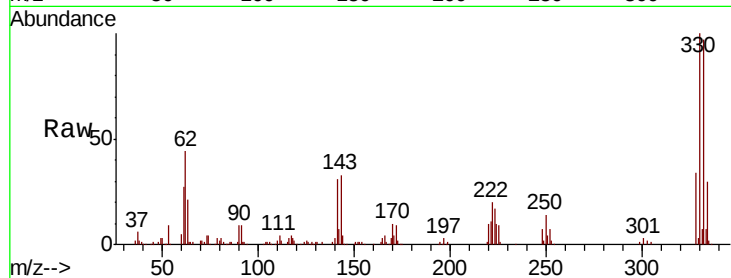
Tot Ion:330 Resp: 182934

Ion Ratio Lower Upper

330 100

332 96.0 75.7 113.5

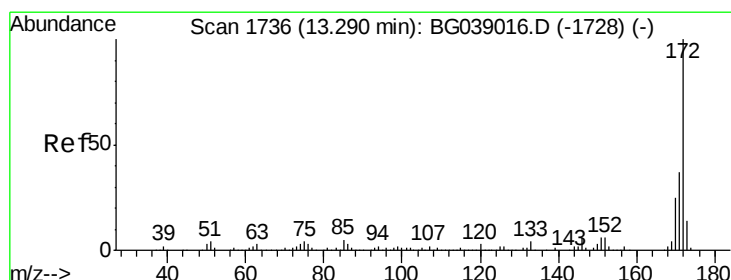
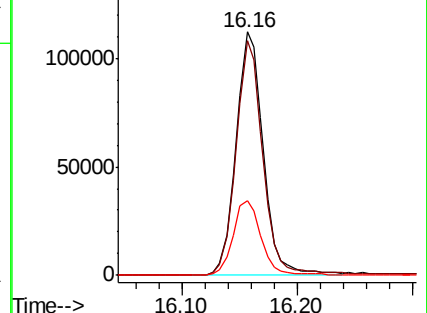
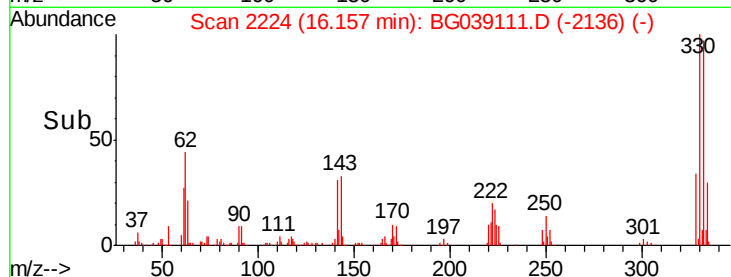
141 31.9 24.9 37.3



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: 91.114 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

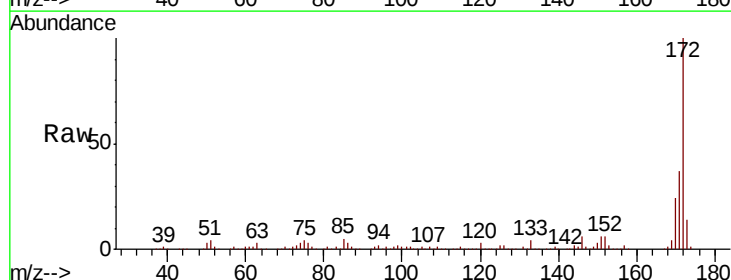
Tgt Ion:172 Resp: 514182

Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

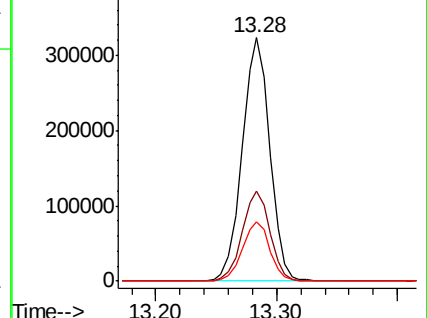
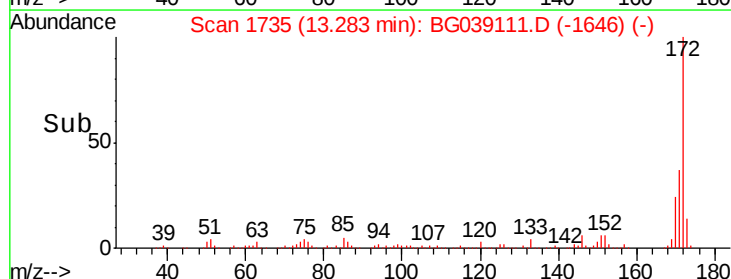
170 24.4 20.1 30.1

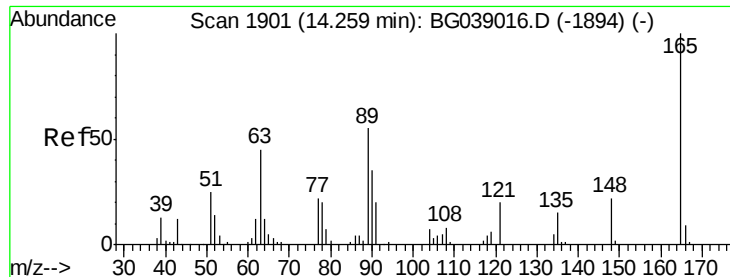


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

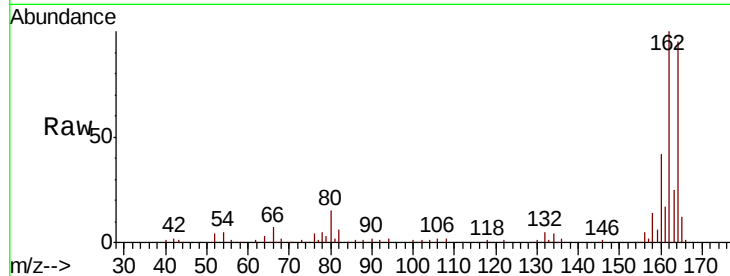




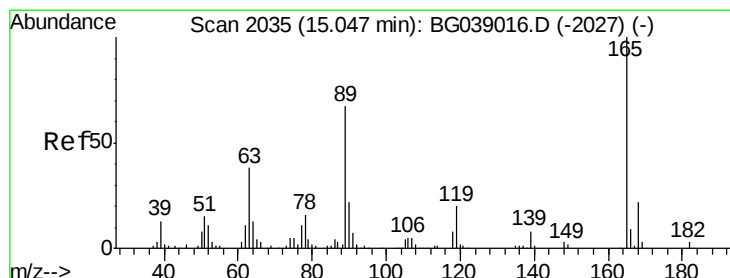
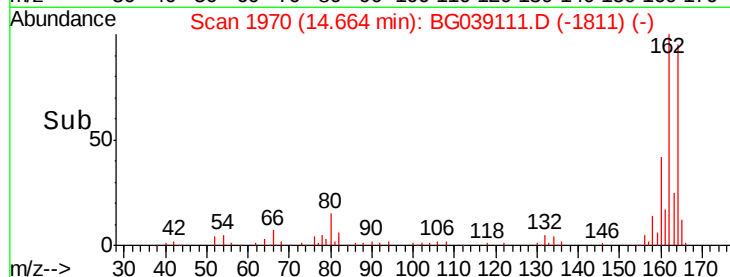
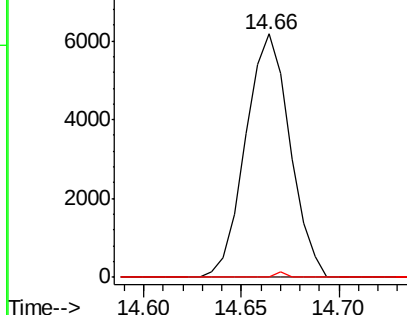
#51
 2,6-Dinitrotoluene
 Concen: 6.659 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.40 min
 Lab File: BG039111.D
 Acq: 12 Jan 2019 9:49

Instrument :
 BNA_G
 ClientSampleId :

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

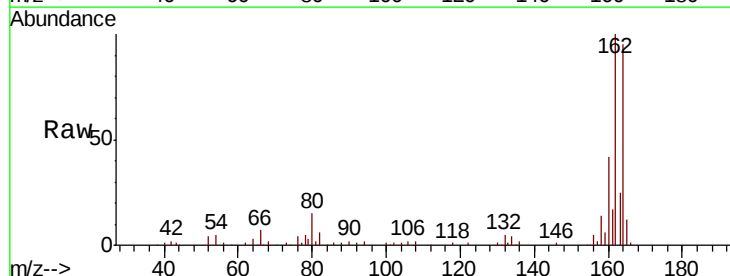


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

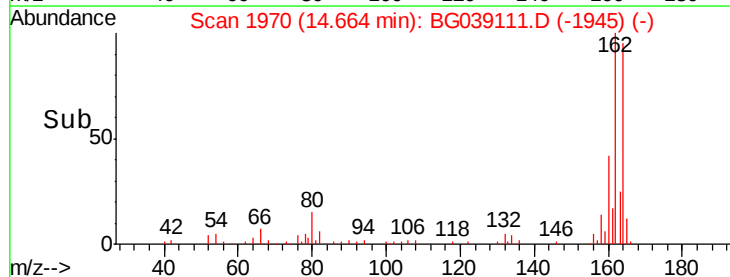
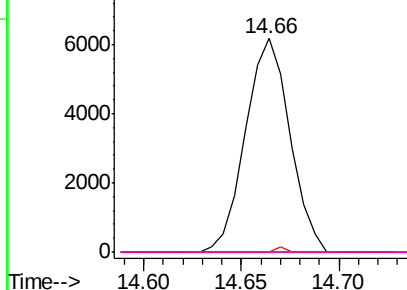


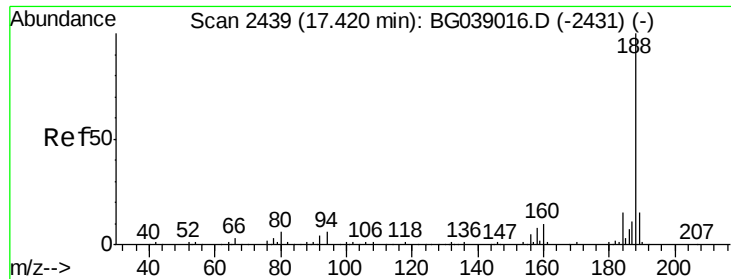
#57
 2,4-Dinitrotoluene
 Concen: 4.642 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.38 min
 Lab File: BG039111.D
 Acq: 12 Jan 2019 9:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	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): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 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: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA_G

ClientSampleId :

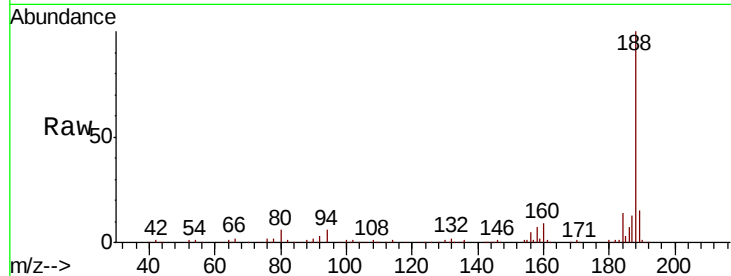
Tot Ion:188 Resp: 220305

Ion Ratio Lower Upper

188 100

94 6.1 5.0 7.4

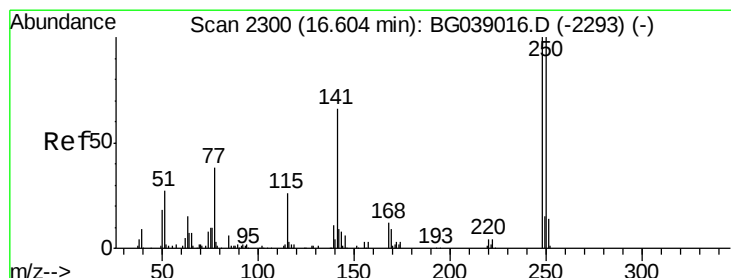
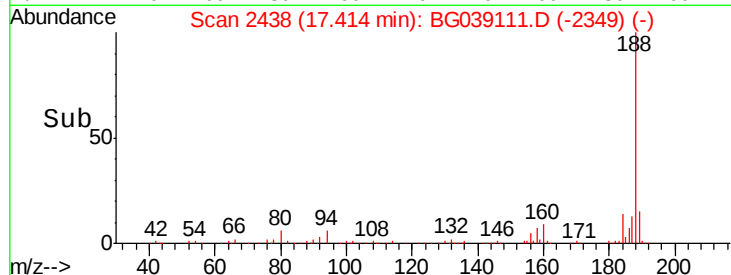
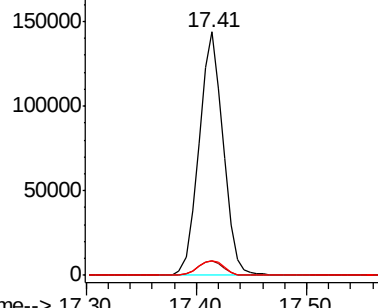
80 6.2 4.7 7.1



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: 4.243 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

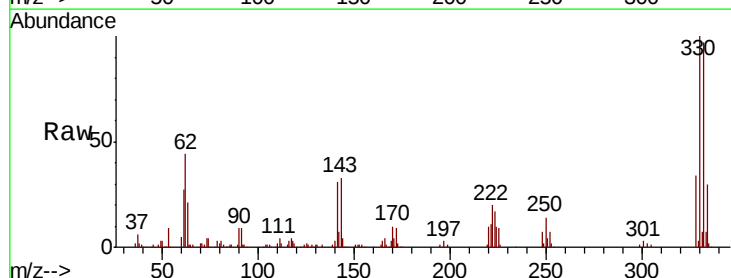
Tgt Ion:248 Resp: 12016

Ion Ratio Lower Upper

248 100

250 194.5 79.9 119.9#

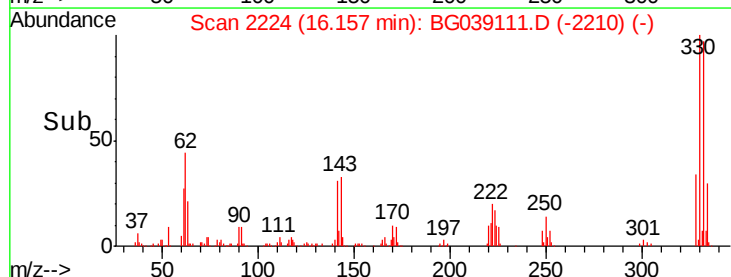
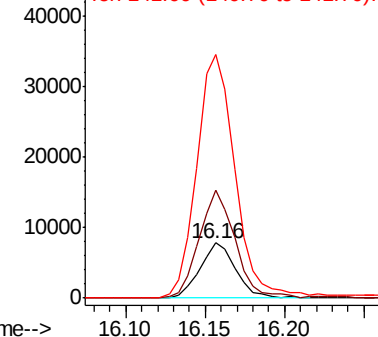
141 337.5 52.7 79.1#

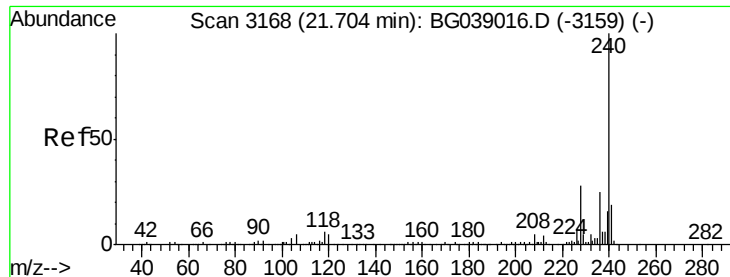


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

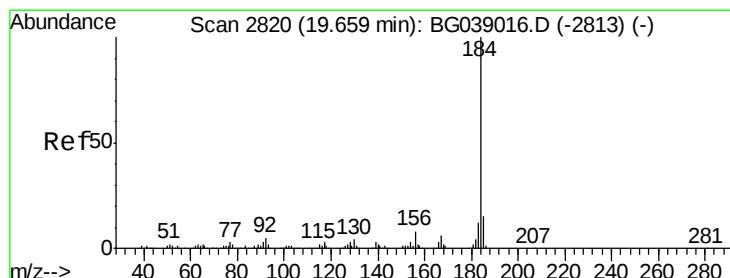
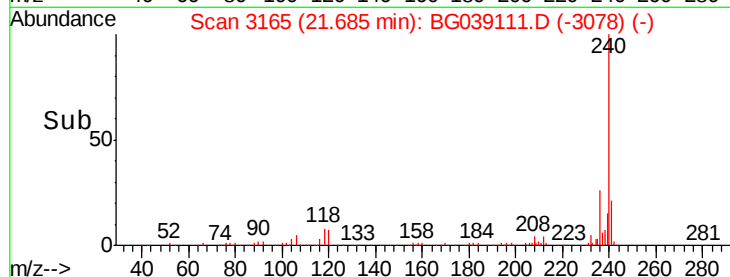
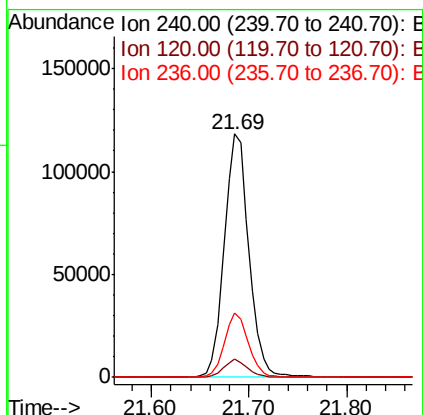
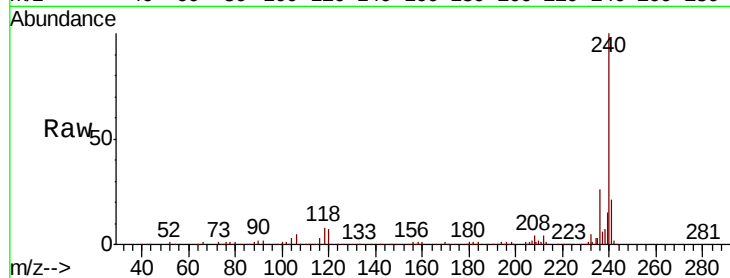




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

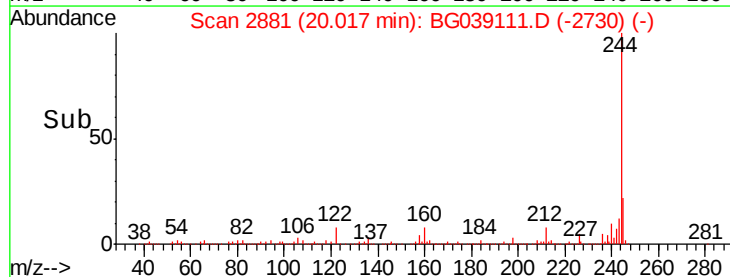
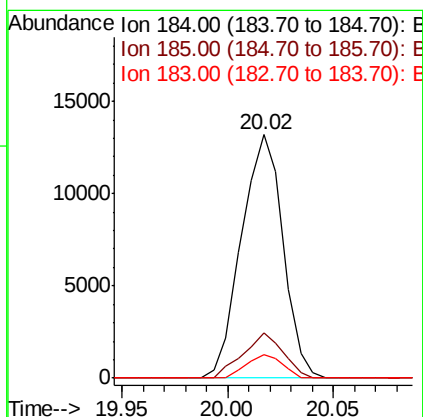
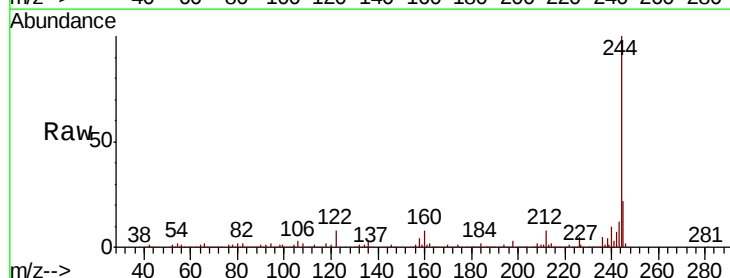
Instrument :
BNA_G
ClientSampleId :

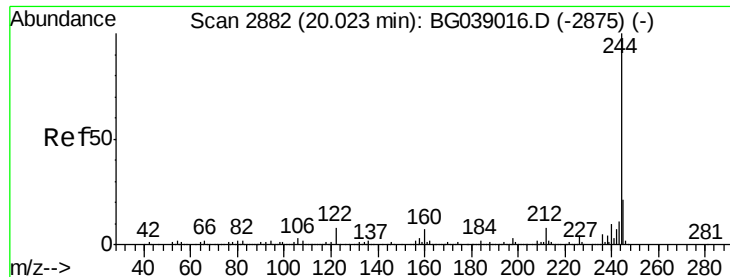
Tot Ion:240 Resp: 207140
Ion Ratio Lower Upper
240 100
120 7.3 4.3 6.5#
236 26.3 20.1 30.1



#77
Benzidine
Concen: 2.835 ng
RT: 20.02 min Scan# 2881
Delta R.T. 0.36 min
Lab File: BG039111.D
Acq: 12 Jan 2019 9:49

Tgt Ion:184 Resp: 17962
Ion Ratio Lower Upper
184 100
185 18.7 12.1 18.1#
183 9.7 9.5 14.3





#79

Terphenyl-d14

Concen: 100.868 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

Instrument :

BNA_G

ClientSampleId :

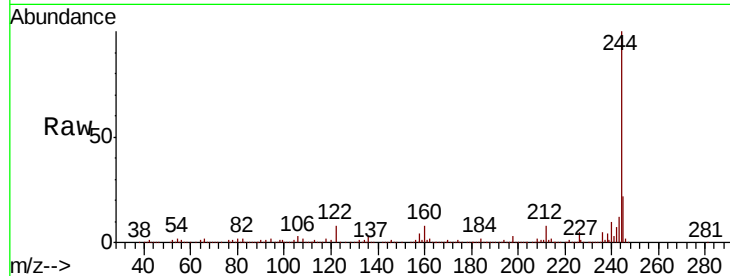
Tot Ion:244 Resp: 1129463

Ion Ratio Lower Upper

244 100

212 7.9 6.1 9.1

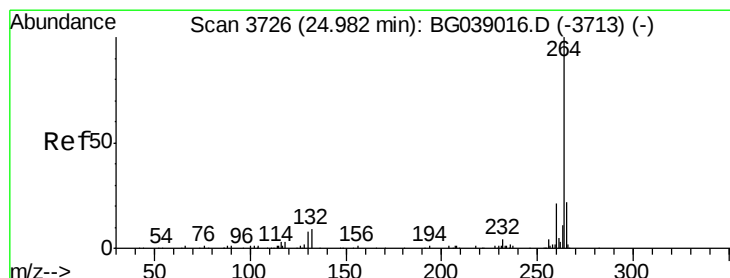
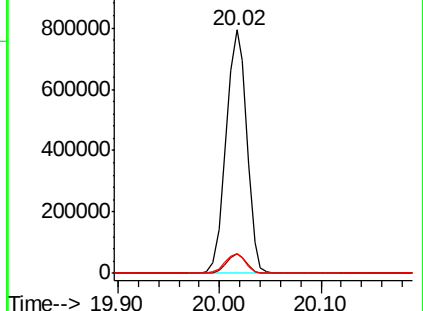
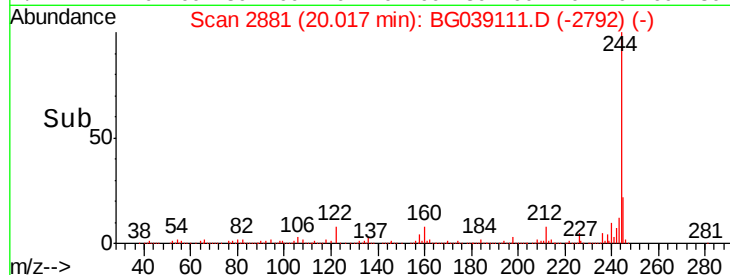
122 7.9 6.1 9.1



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# 3723

Delta R.T. -0.02 min

Lab File: BG039111.D

Acq: 12 Jan 2019 9:49

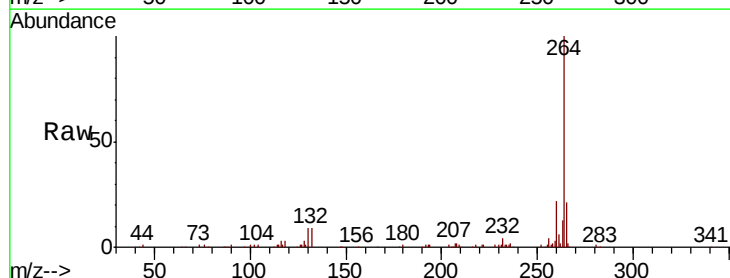
Tgt Ion:264 Resp: 206484

Ion Ratio Lower Upper

264 100

260 21.7 17.0 25.6

265 21.2 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

