

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039386.D
 Acq On : 7 Feb 2019 17:41
 Operator : JU/SJ
 Sample : K1383-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-02-05-19

Quant Time: Feb 08 09:13:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	54158	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	229992	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	148788	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	363438	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	390023	20.00	ng	-0.02
87) Perylene-d12	25.21	264	391737	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	201416	63.65	ng	0.00
7) Phenol-d6	7.31	99	171665	36.86	ng	-0.01
23) Nitrobenzene-d5	9.35	82	397004	107.84	ng	-0.01
42) 2,4,6-Tribromophenol	16.29	330	248512	155.11	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	999518	96.37	ng	-0.01
79) Terphenyl-d14	20.14	244	1554829	84.38	ng	-0.01

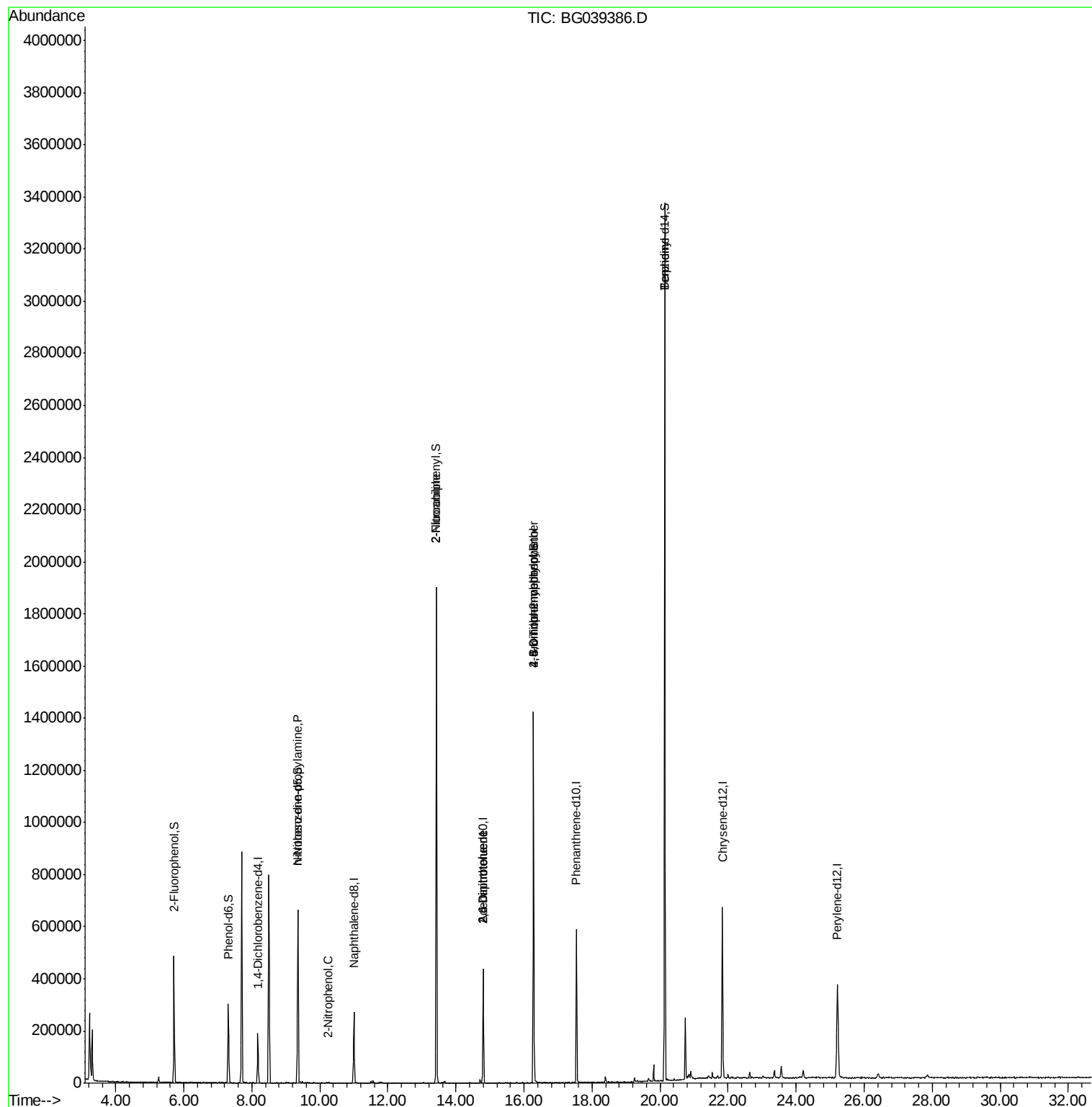
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	515	Below Cal	#	34
19) n-Nitroso-di-n-propylamine	9.35	70	51653	15.62	ng	67
26) 2-Nitrophenol	10.25	139	54	4.05	ng	31
48) 2-Nitroaniline	13.43	65	1710	8.83	ng	1
51) 2,6-Dinitrotoluene	14.80	165	18757	13.77	ng	25
57) 2,4-Dinitrotoluene	14.80	165	18757	13.28	ng	20
65) 4,6-Dinitro-2-methylphenol	16.29	198	953	5.02	ng	1
67) 4-Bromophenyl-phenylether	16.29	248	18882	4.68	ng	1
77) Benzidine	20.14	184	27852	2.18	ng	93

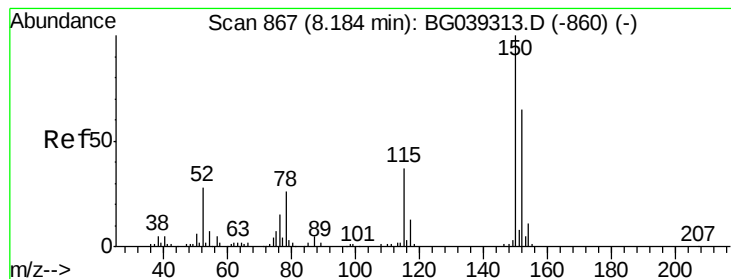
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Instrument :

BNA_G

ClientSampleId :

FB-02-05-19

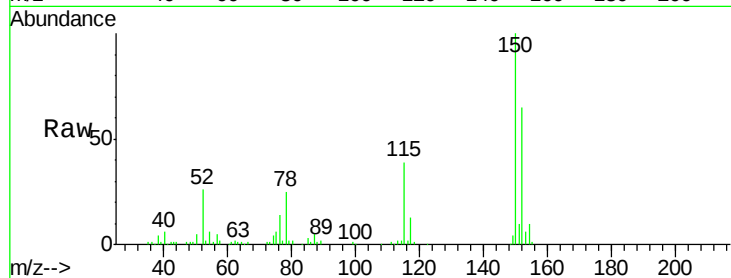
Tot Ion:152 Resp: 54158

Ion Ratio Lower Upper

152 100

150 153.6 123.7 185.5

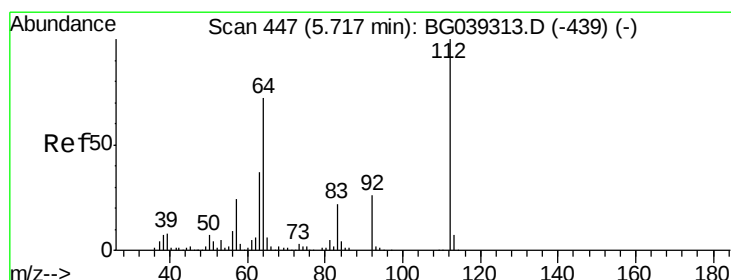
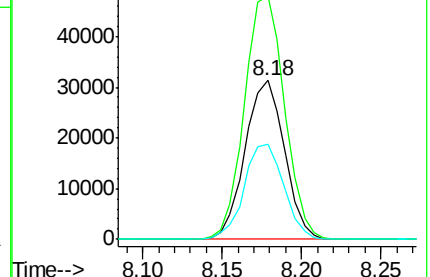
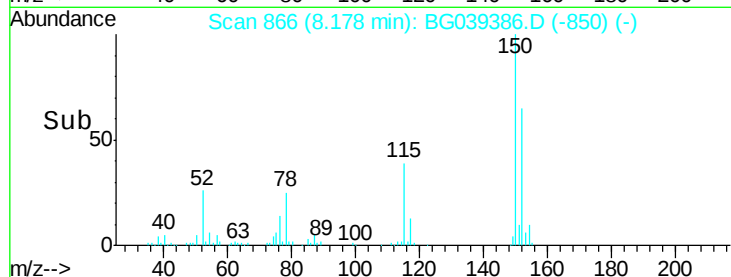
115 59.9 45.9 68.9



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: 63.65 ng

RT: 5.71 min Scan# 446

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

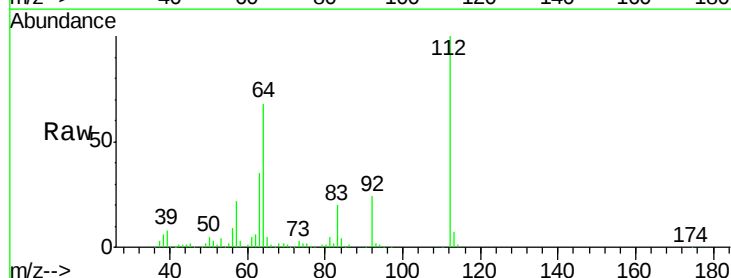
Tgt Ion:112 Resp: 201416

Ion Ratio Lower Upper

112 100

64 68.0 57.8 86.8

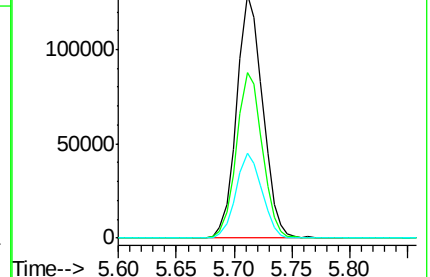
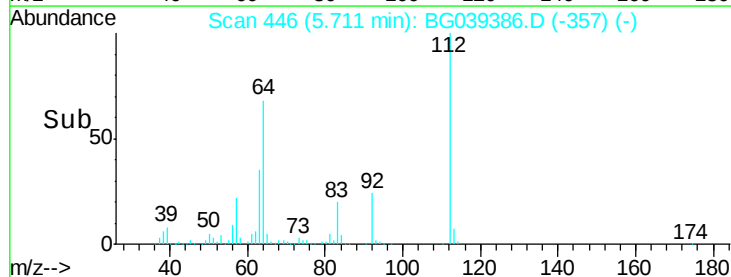
63 35.0 29.8 44.6



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: 36.86 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Instrument :

BNA_G

ClientSampled :

FB-02-05-19

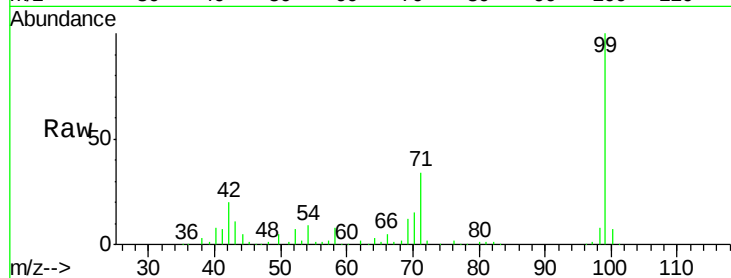
Tot Ion: 99 Resp: 171665

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.2

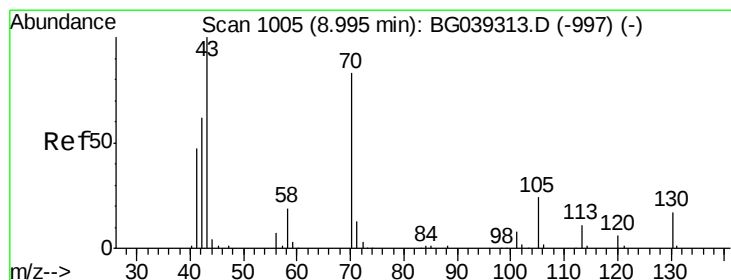
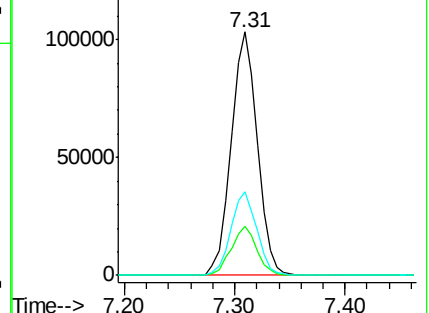
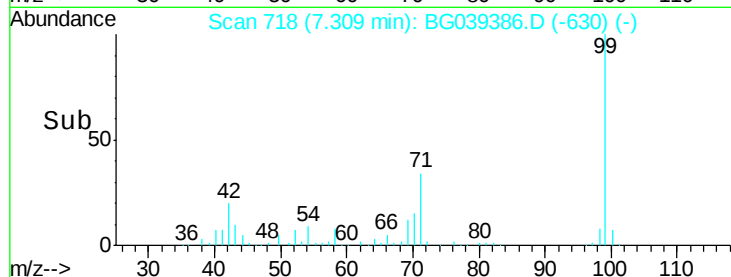
71 34.5 28.0 42.0



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: 15.62 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Tgt Ion: 70 Resp: 51653

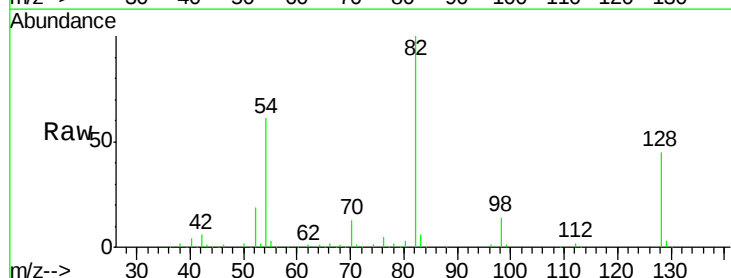
Ion Ratio Lower Upper

70 100

42 48.1 60.4 90.6#

101 0.0 7.5 11.3#

130 3.4 16.9 25.3#

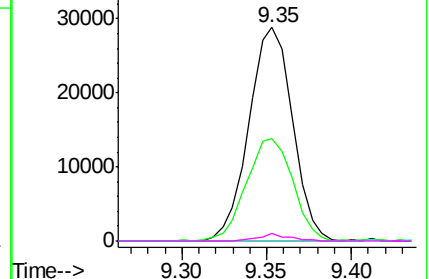
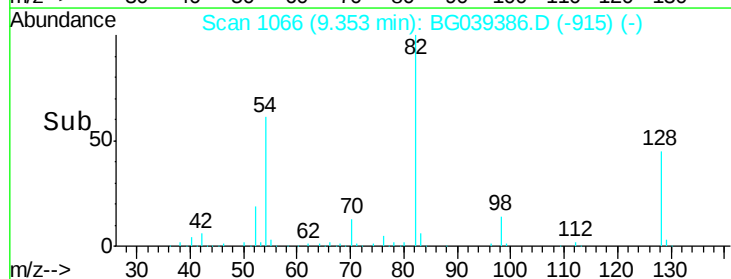


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

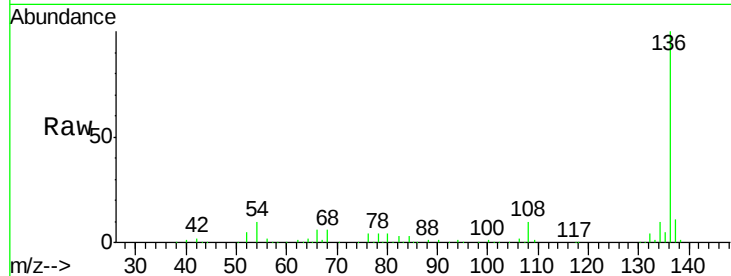




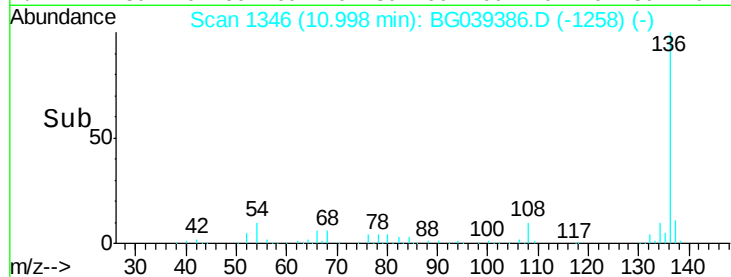
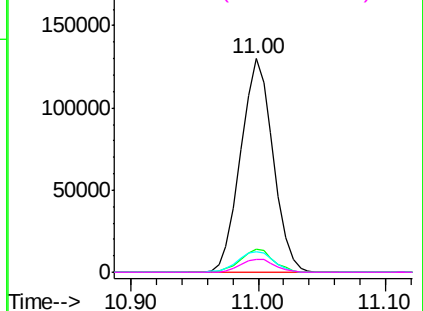
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

Instrument :
BNA_G
ClientSampleId :
FB-02-05-19

Tot Ion:136	Resp:	229992
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.1 13.7
54	9.8	9.4 14.2
68	6.1	4.2 6.4

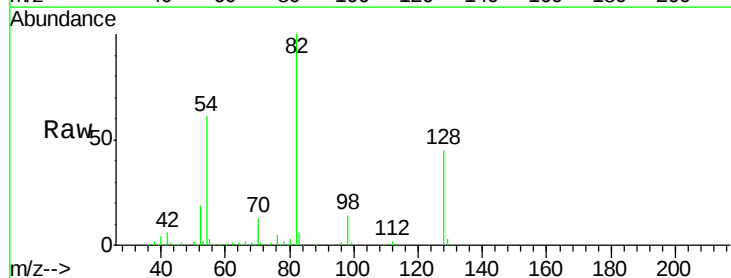


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

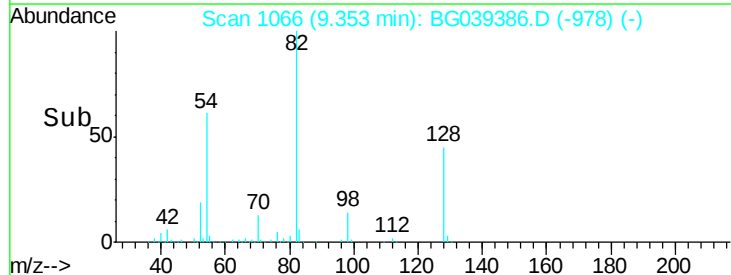
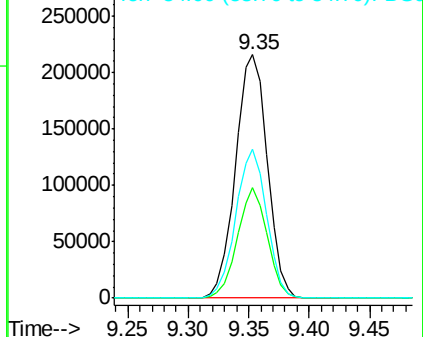


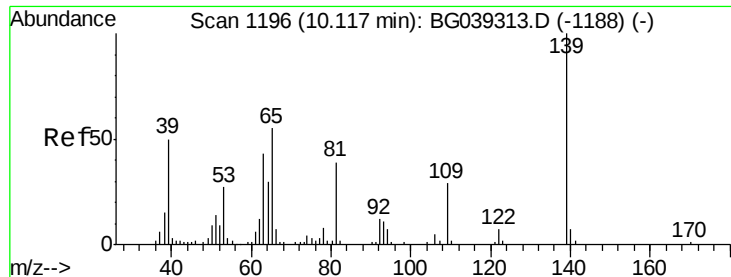
#23
Nitrobenzene-d5
Concen: 107.84 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

Tgt Ion: 82	Resp:	397004
Ion Ratio	Lower	Upper
82	100	
128	45.4	31.3 46.9
54	61.3	50.9 76.3



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

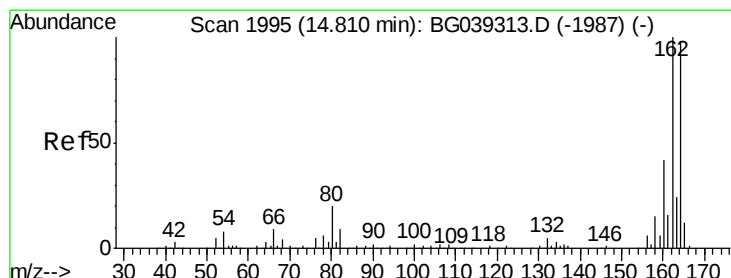
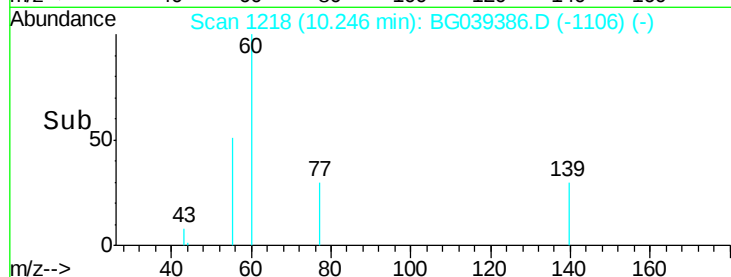
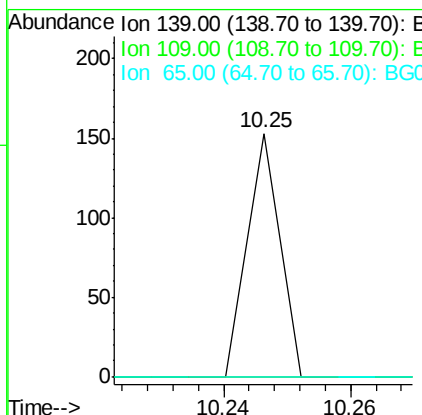
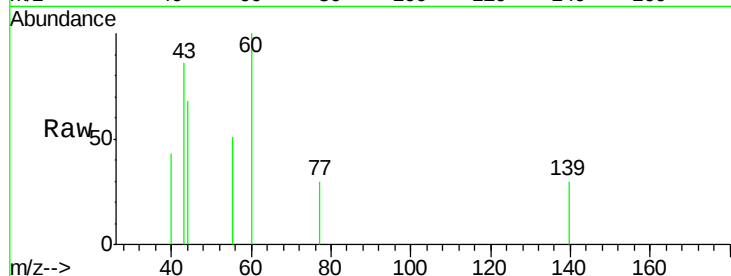




#26
2-Nitrophenol
Concen: 4.05 ng
RT: 10.25 min Scan# 1218
Delta R.T. 0.13 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

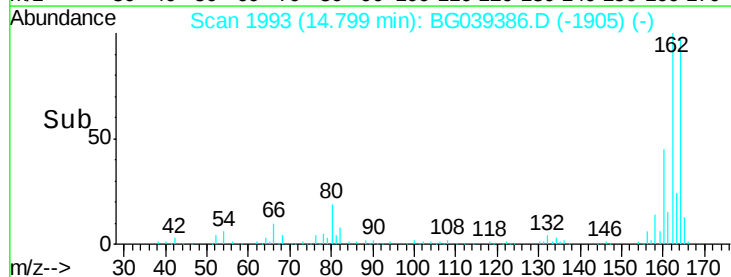
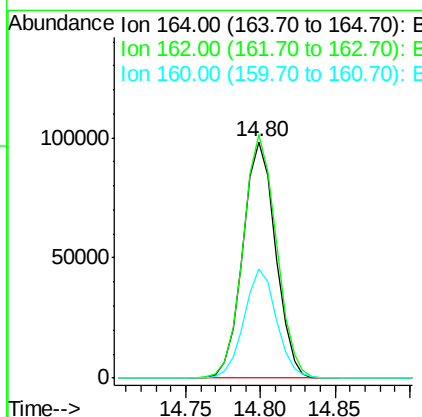
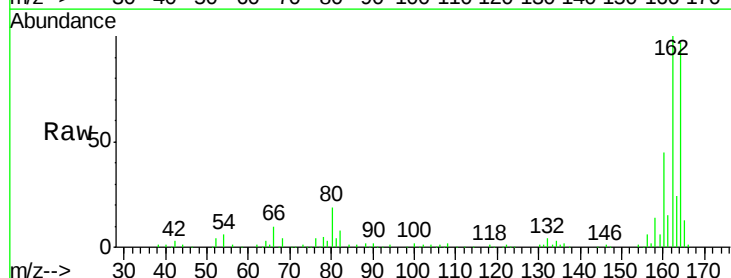
Instrument :
BNA_G
ClientSampleId :
FB-02-05-19

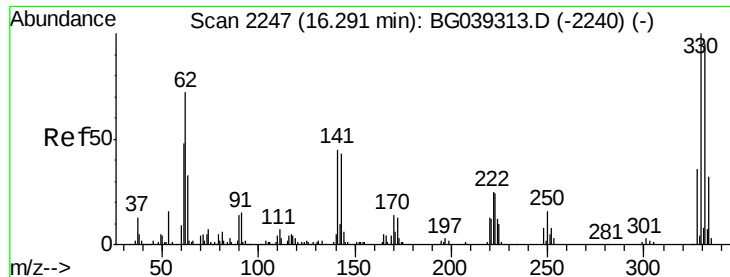
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.6	122.4
160	46.0	34.2	51.2





#42

2,4,6-Tribromophenol

Concen: 155.11 ng

RT: 16.29 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Instrument :

BNA_G

ClientSampleId :

FB-02-05-19

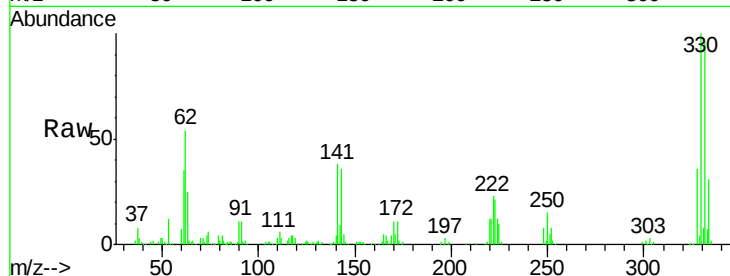
Tot Ion:330 Resp: 248512

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

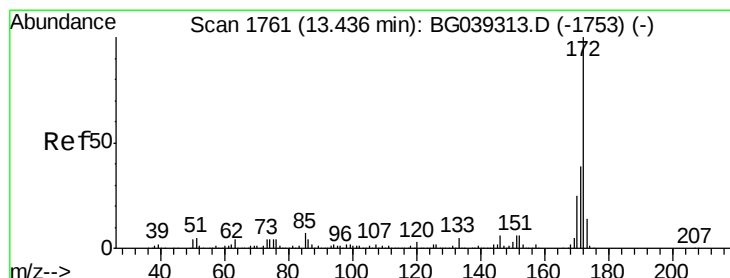
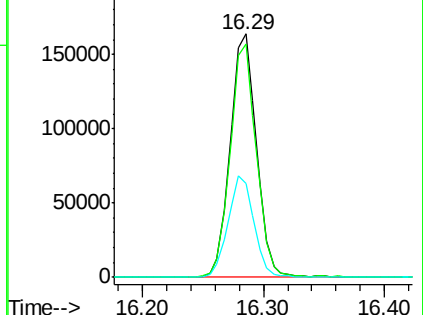
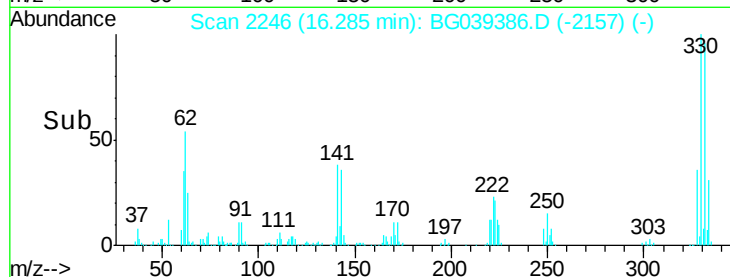
141 41.0 35.6 53.4



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: 96.37 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

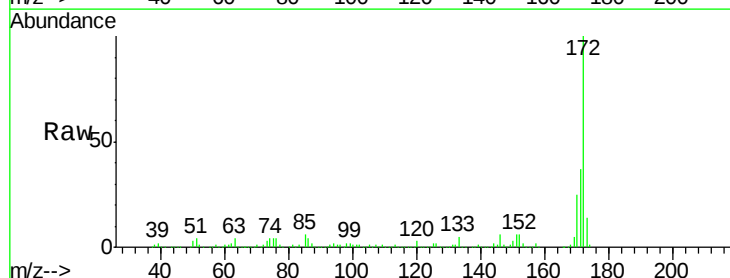
Tgt Ion:172 Resp: 999518

Ion Ratio Lower Upper

172 100

171 37.3 30.8 46.2

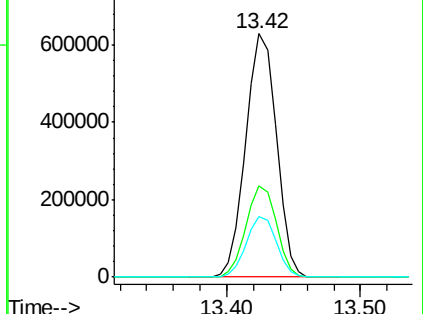
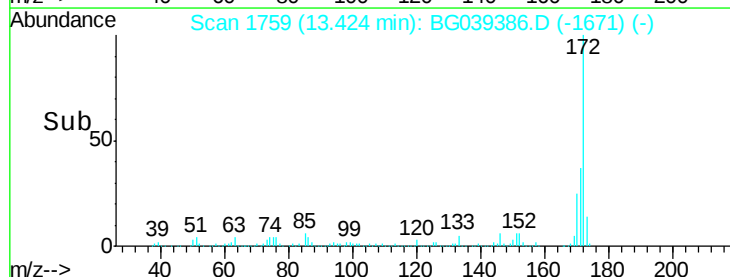
170 25.1 20.2 30.4

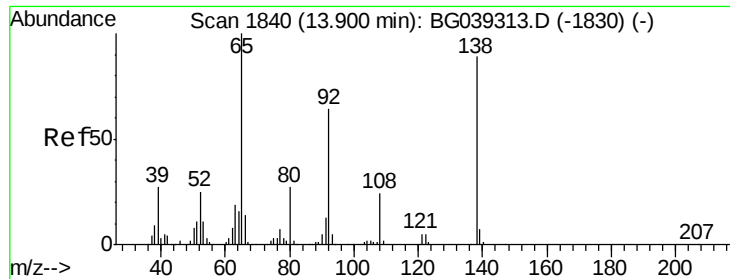


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

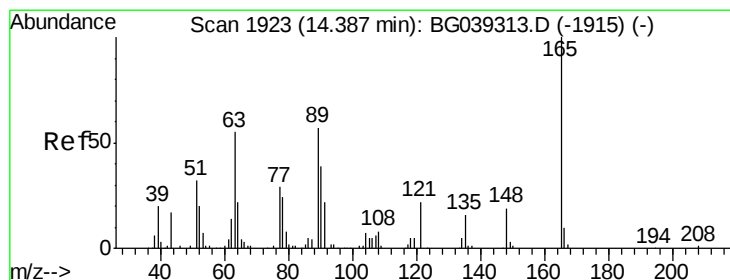
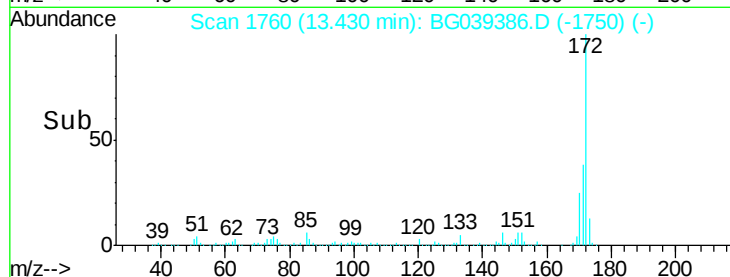
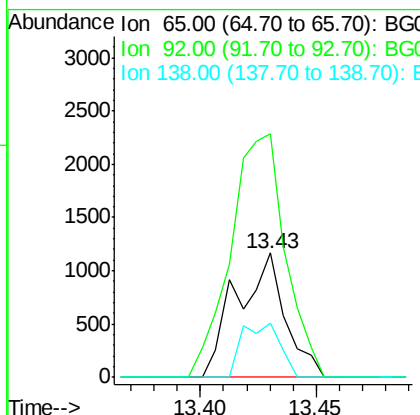
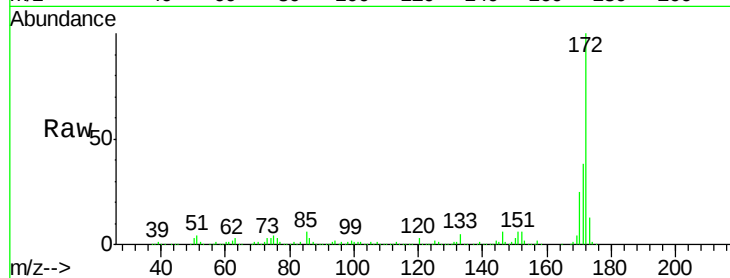




#48
2-Nitroaniline
Concen: 8.83 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.47 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

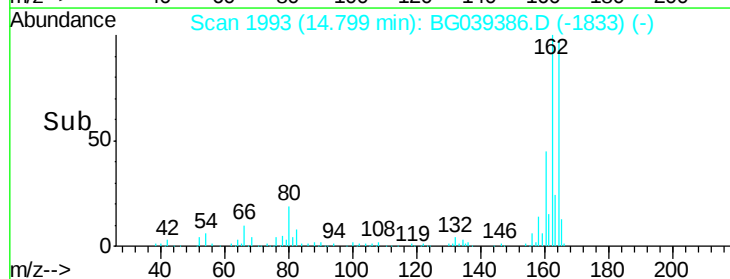
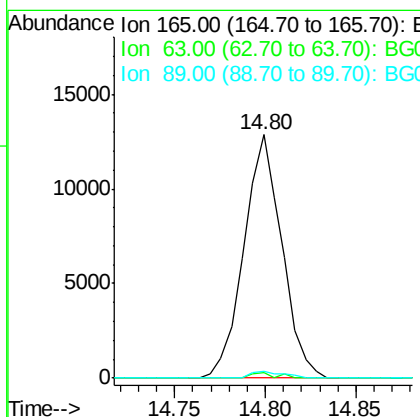
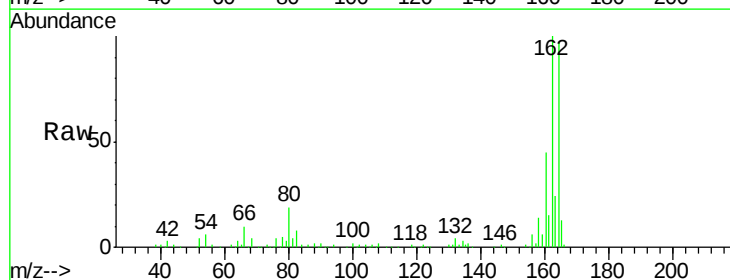
Instrument :
BNA_G
ClientSampleId :
FB-02-05-19

Tot Ion: 65 Resp: 1710
Ion Ratio Lower Upper
65 100
92 195.7 51.4 77.2#
138 43.3 71.4 107.2#



#51
2,6-Dinitrotoluene
Concen: 13.77 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

Tgt Ion: 165 Resp: 18757
Ion Ratio Lower Upper
165 100
63 2.1 47.0 70.6#
89 2.6 45.8 68.8#





#57

2,4-Dinitrotoluene

Concen: 13.28 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.36 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Instrument :

BNA_G

ClientSampleId :

FB-02-05-19

Tot Ion:165 Resp: 18757

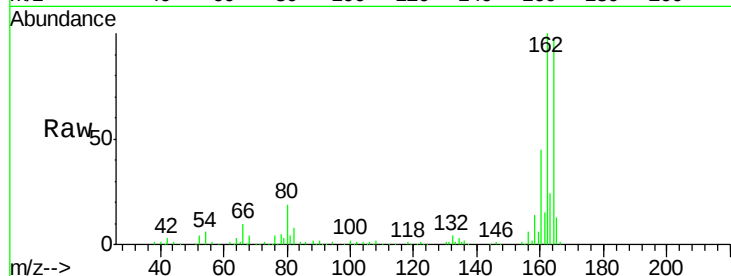
Ion Ratio Lower Upper

165 100

63 2.1 41.0 61.6#

89 2.6 64.6 96.8#

182 0.0 2.0 3.0#

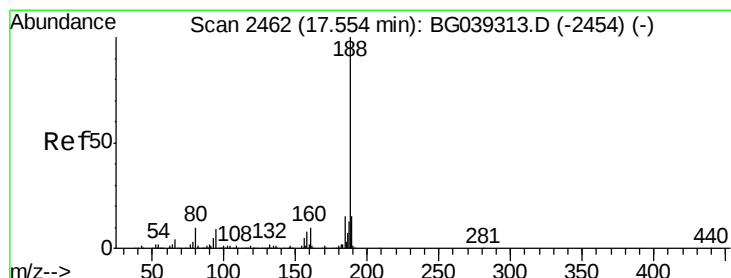
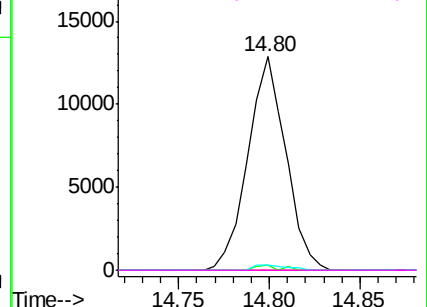
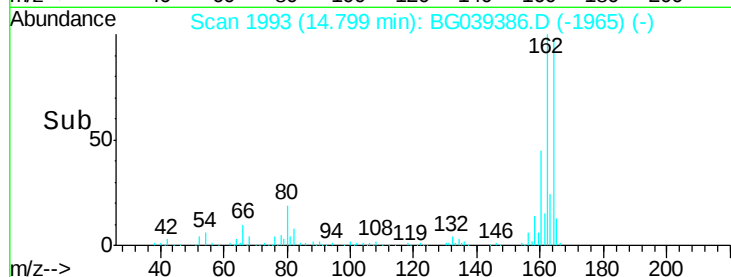


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

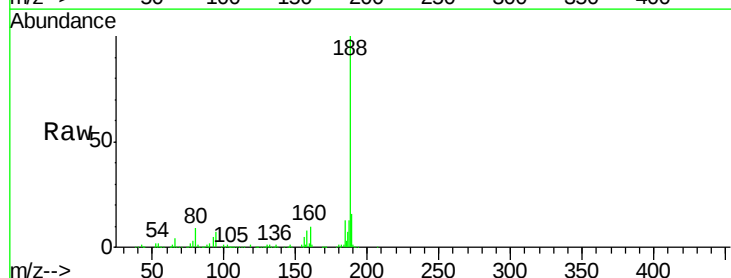
Tgt Ion:188 Resp: 363438

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

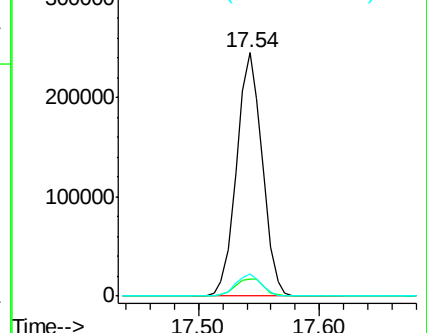
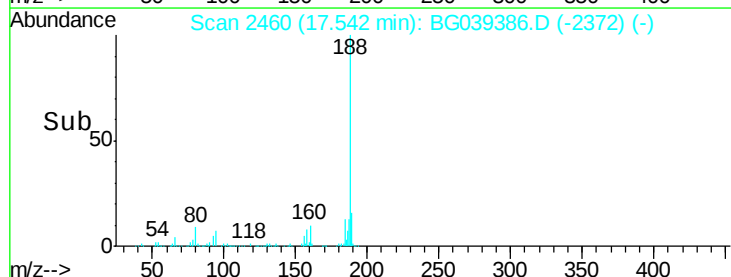
80 9.2 8.1 12.1

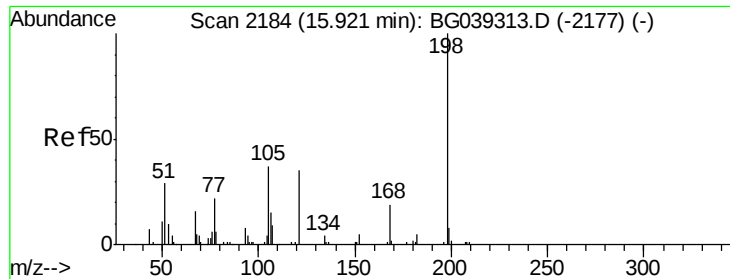


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 5.02 ng

RT: 16.29 min Scan# 2246

Delta R.T. 0.37 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

Instrument :

BNA_G

ClientSampleId :

FB-02-05-19

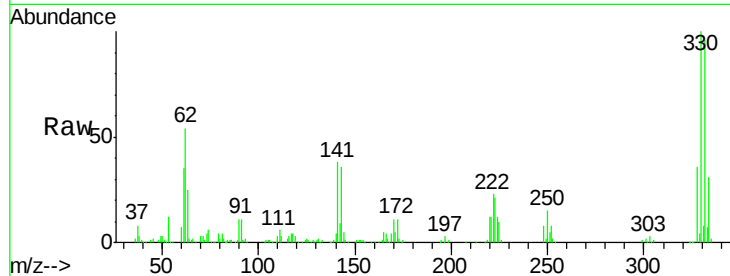
Tot Ion:198 Resp: 953

Ion Ratio Lower Upper

198 100

51 122.4 27.4 67.4#

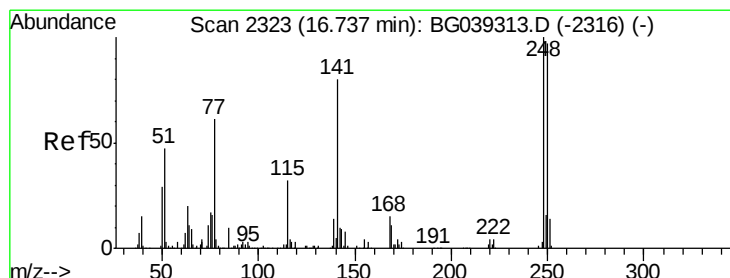
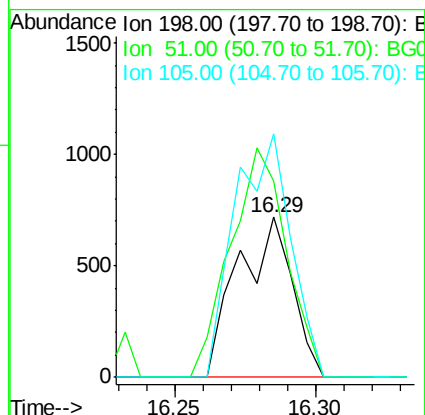
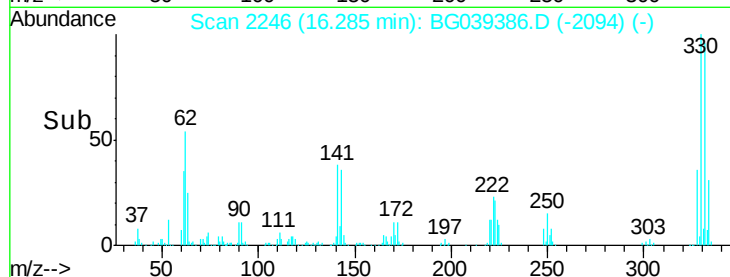
105 152.2 19.7 59.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.68 ng

RT: 16.29 min Scan# 2246

Delta R.T. -0.45 min

Lab File: BG039386.D

Acq: 7 Feb 2019 17:41

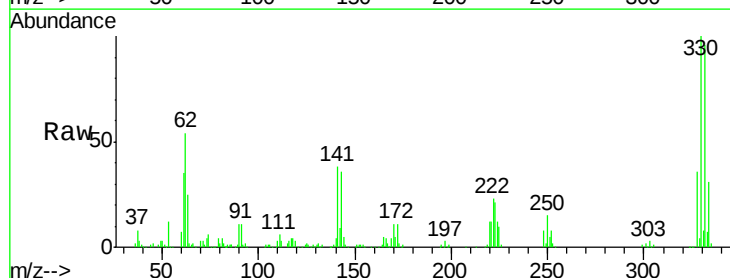
Tgt Ion:248 Resp: 18882

Ion Ratio Lower Upper

248 100

250 198.1 77.6 116.4#

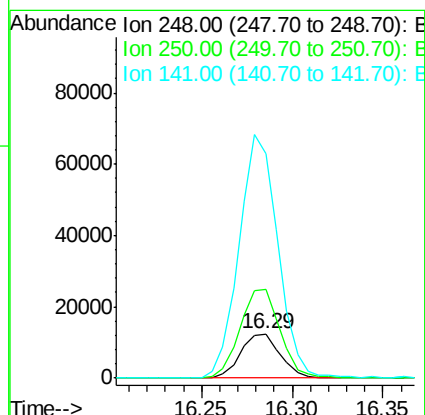
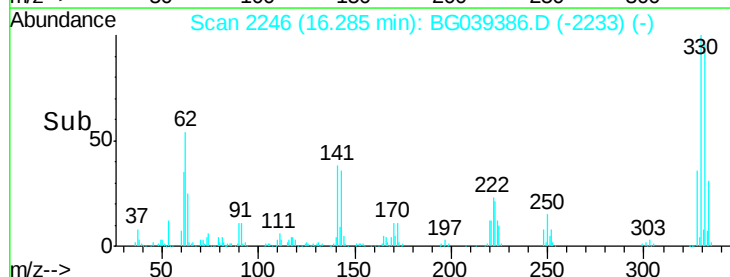
141 503.7 63.9 95.9#

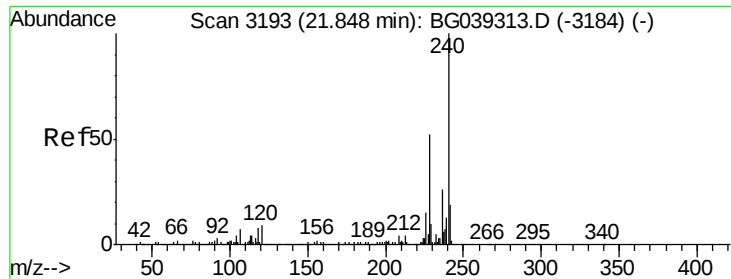


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

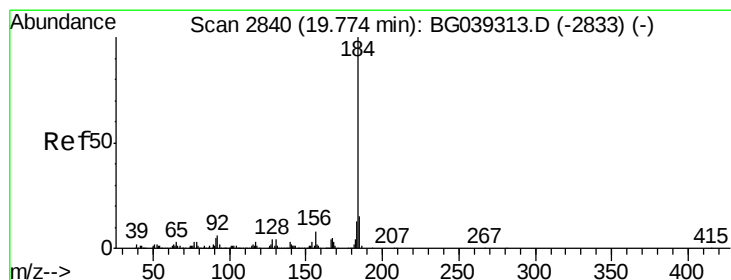
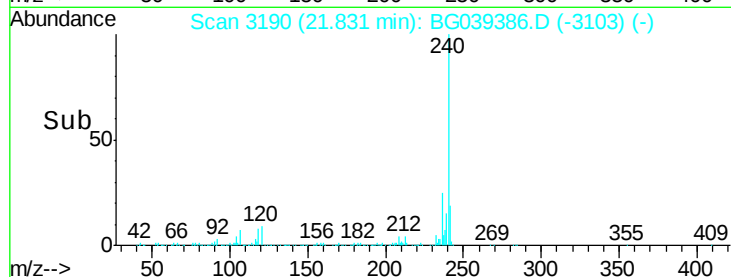
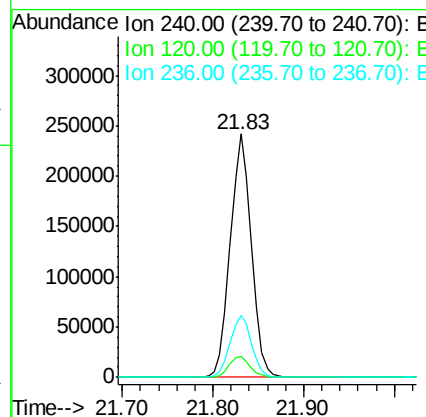
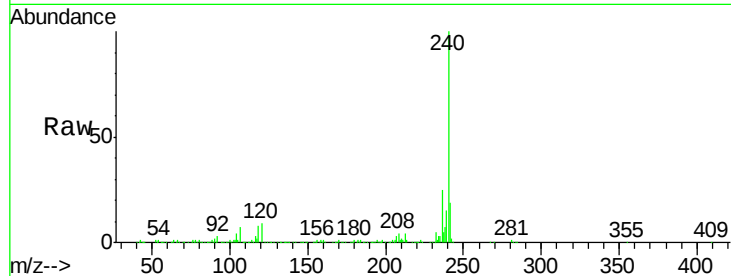




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

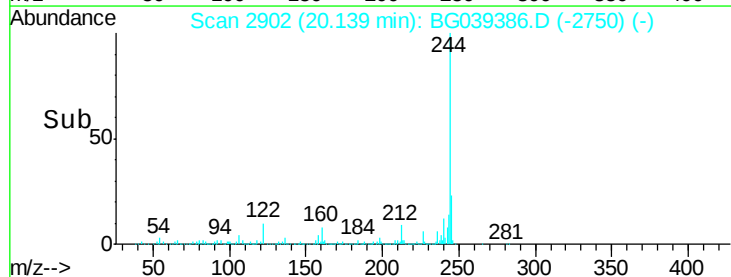
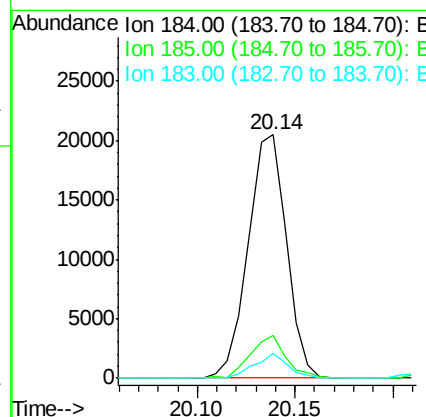
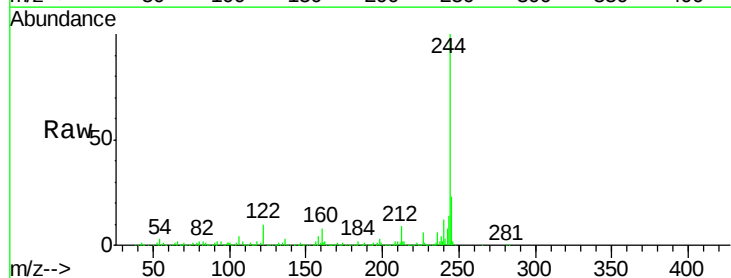
Instrument :
BNA_G
ClientSampleId :
FB-02-05-19

Tot Ion:240 Resp: 390023
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 25.4 21.0 31.4



#77
Benzidine
Concen: 2.18 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039386.D
Acq: 7 Feb 2019 17:41

Tgt Ion:184 Resp: 27852
Ion Ratio Lower Upper
184 100
185 17.7 12.2 18.2
183 10.1 10.6 15.8#

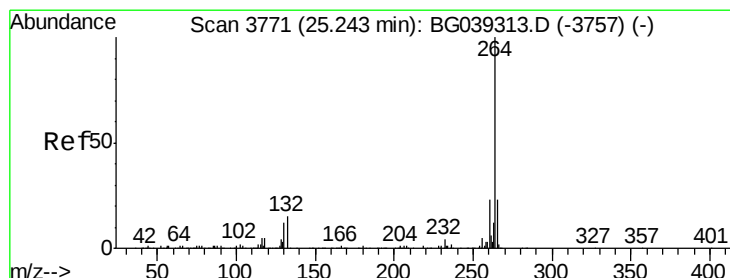
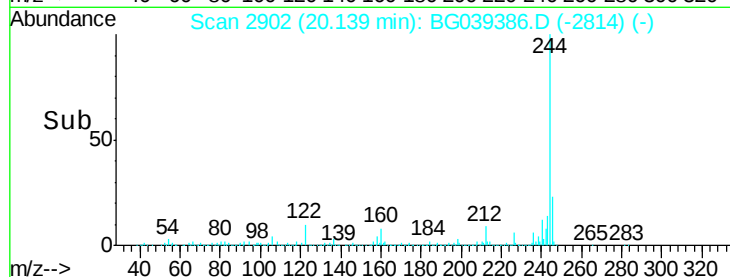
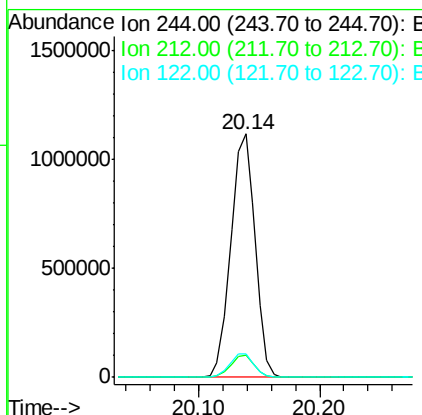
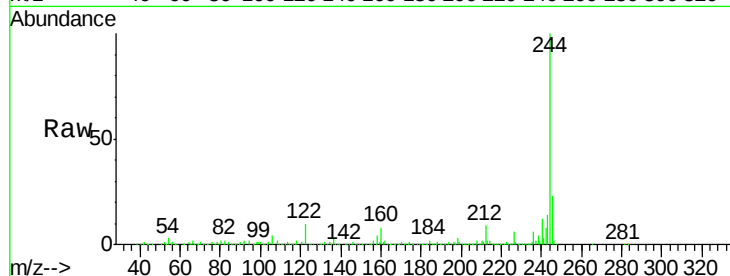




#79
 Terphenyl-d14
 Concen: 84.38 ng
 RT: 20.14 min Scan# 2902
 Delta R.T. -0.01 min
 Lab File: BG039386.D
 Acq: 7 Feb 2019 17:41

Instrument :
 BNA_G
 ClientSampleId :
 FB-02-05-19

Tot Ion:244 Resp: 1554829
 Ion Ratio Lower Upper
 244 100
 212 9.2 7.3 10.9
 122 9.8 8.4 12.6



#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.21 min Scan# 3766
 Delta R.T. -0.03 min
 Lab File: BG039386.D
 Acq: 7 Feb 2019 17:41

Tgt Ion:264 Resp: 391737
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.2 27.4
 265 22.4 18.5 27.7

