

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039387.D
 Acq On : 7 Feb 2019 18:20
 Operator : JU/SJ
 Sample : K1389-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-7

Quant Time: Feb 08 09:13:40 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

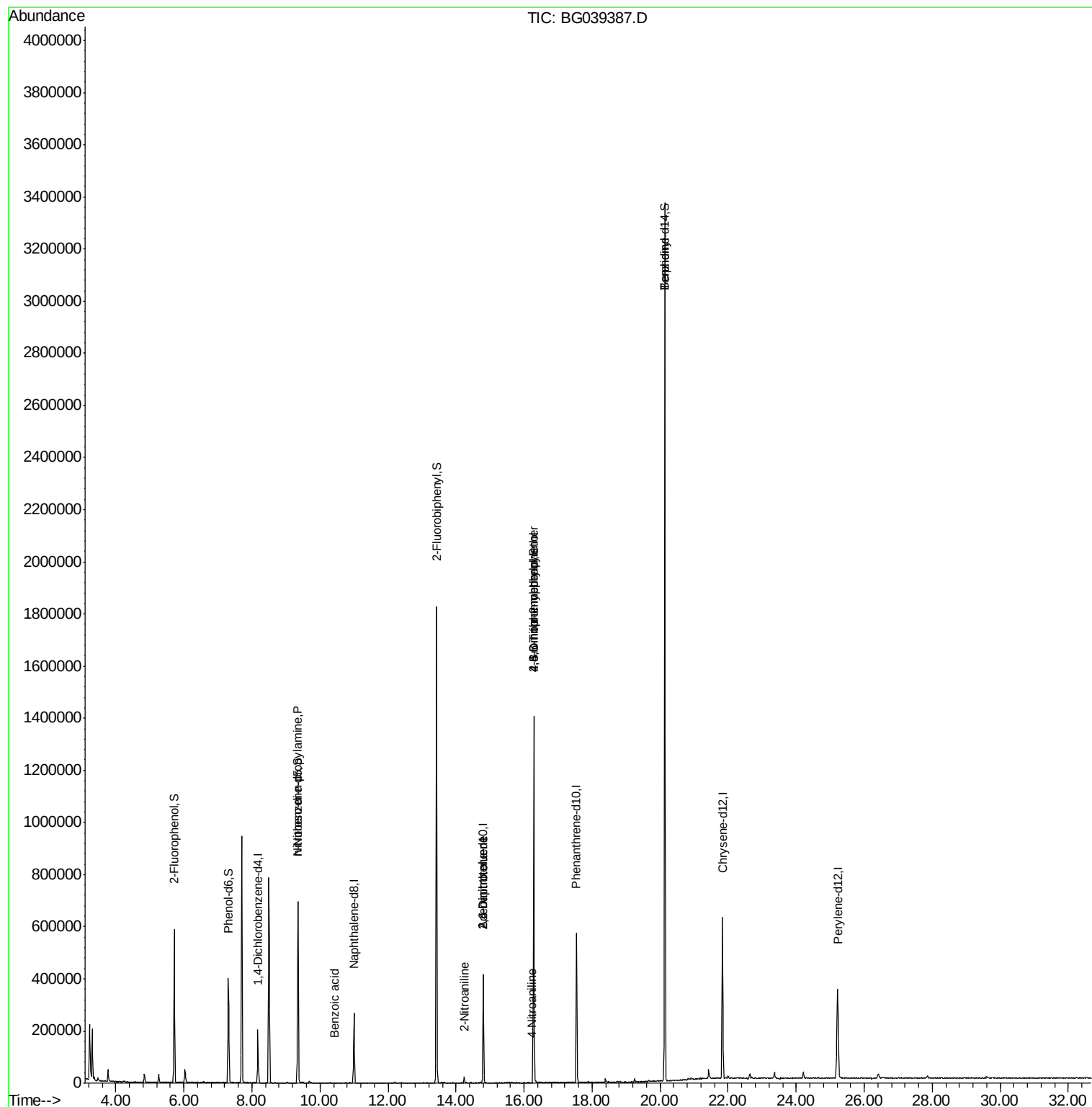
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	53581	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	227967	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	151022	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	361465	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	382749	20.00	ng	-0.01
87) Perylene-d12	25.21	264	378139	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	245913	78.55	ng	0.00
7) Phenol-d6	7.31	99	229025	49.70	ng	-0.01
23) Nitrobenzene-d5	9.35	82	410356	112.45	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	240090	147.63	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	991647	94.20	ng	0.00
79) Terphenyl-d14	20.14	244	1552077	85.83	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.32	77	583	Below Cal	#	20
19) n-Nitroso-di-n-propylamine	9.36	70	52655	16.10	ng	# 69
32) Benzoic acid	10.44	122	58	9.04	ng	# 1
48) 2-Nitroaniline	14.23	65	87	8.32	ng	# 1
51) 2,6-Dinitrotoluene	14.80	165	18578	13.60	ng	# 24
57) 2,4-Dinitrotoluene	14.80	165	18578	13.15	ng	# 19
62) 4-Nitroaniline	16.22	138	56	4.22	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	777	4.86	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	18571	4.63	ng	# 1
77) Benzidine	20.14	184	28223	2.25	ng	# 95

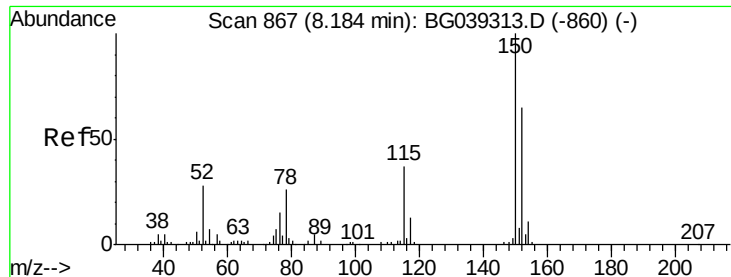
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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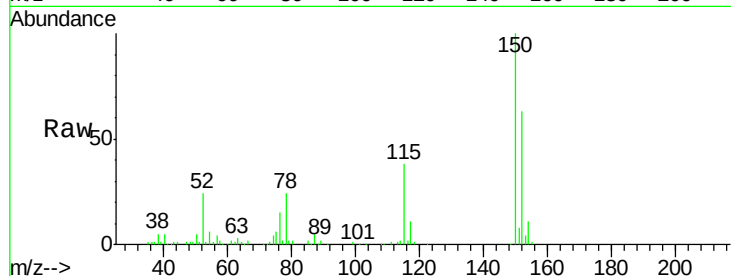


#1

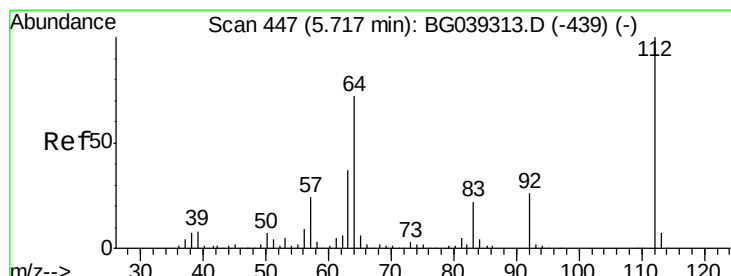
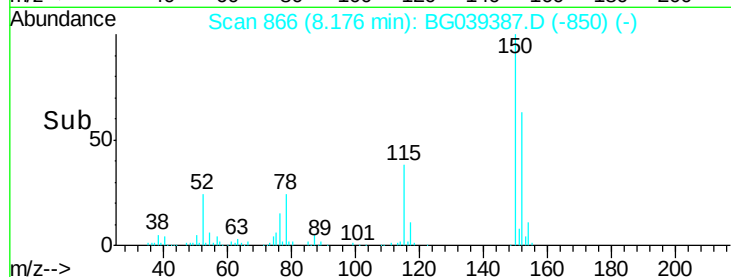
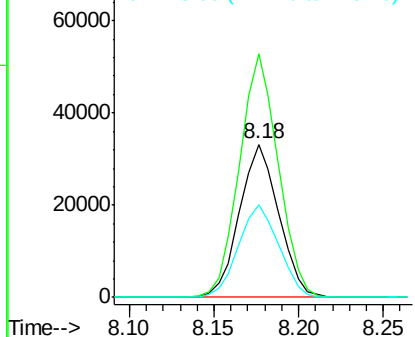
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tot Ion:152 Resp: 53581
Ion Ratio Lower Upper
152 100
150 159.2 123.7 185.5
115 60.2 45.9 68.9



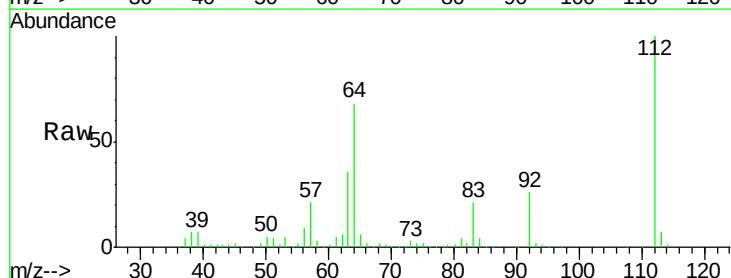
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



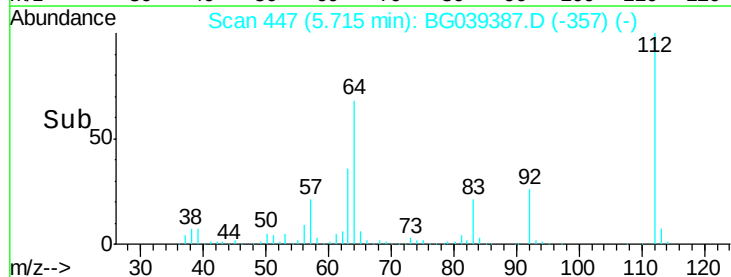
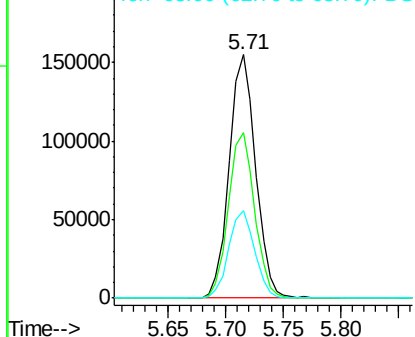
#5

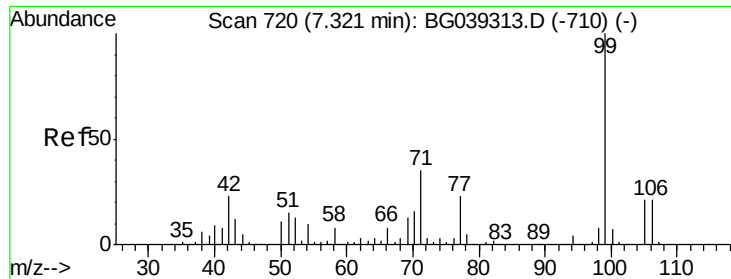
2-Fluorophenol
Concen: 78.55 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:112 Resp: 245913
Ion Ratio Lower Upper
112 100
64 68.1 57.8 86.8
63 35.8 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: 49.70 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA_G

ClientSampleId :

M-7

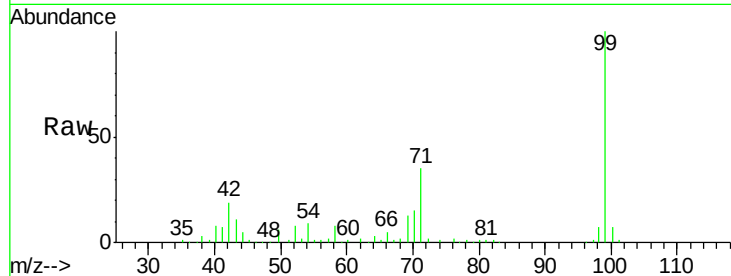
Tot Ion: 99 Resp: 229025

Ion Ratio Lower Upper

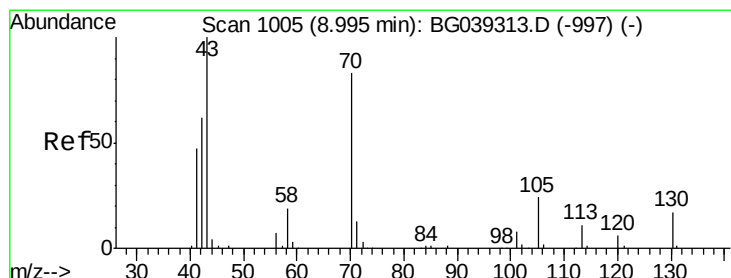
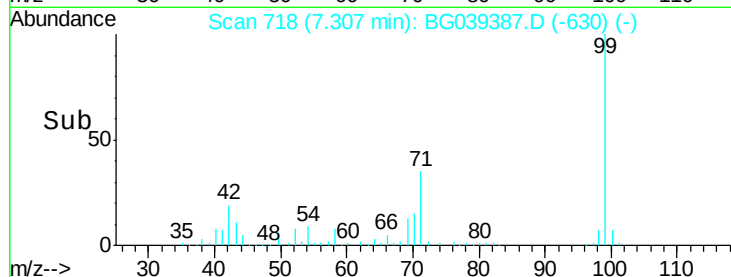
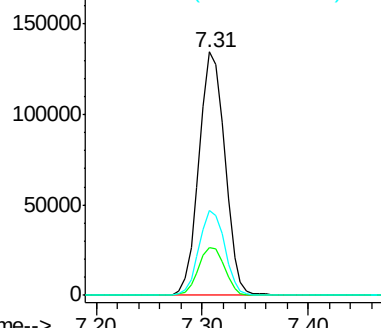
99 100

42 19.4 18.2 27.2

71 34.9 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: 16.10 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Tgt Ion: 70 Resp: 52655

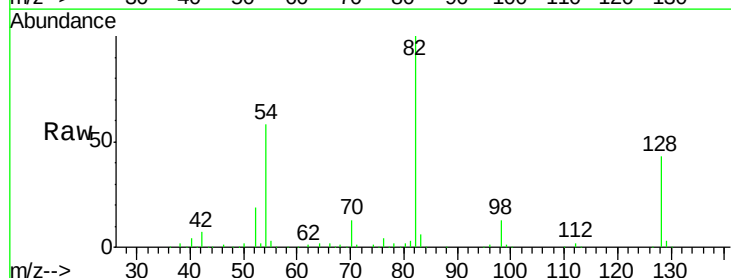
Ion Ratio Lower Upper

70 100

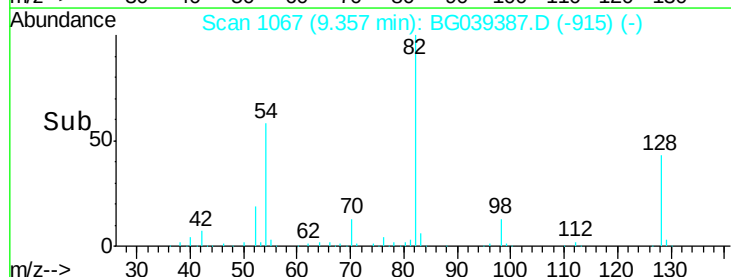
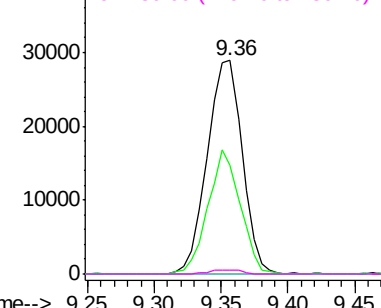
42 50.7 60.4 90.6#

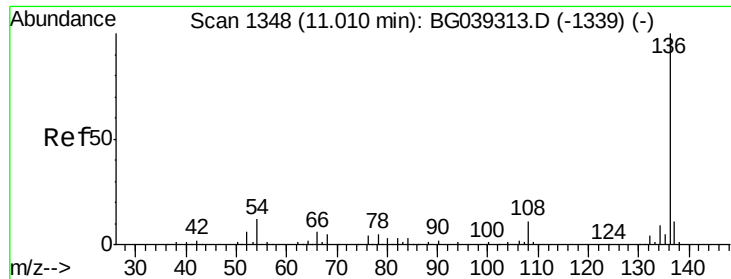
101 0.0 7.5 11.3#

130 1.8 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

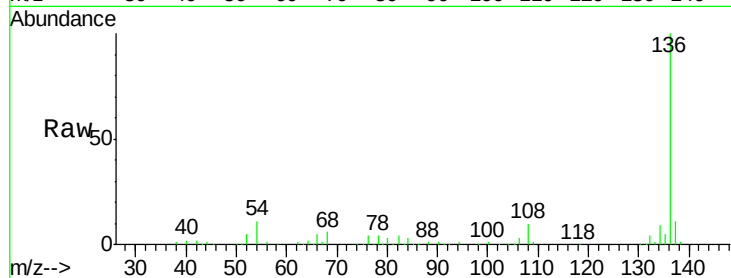




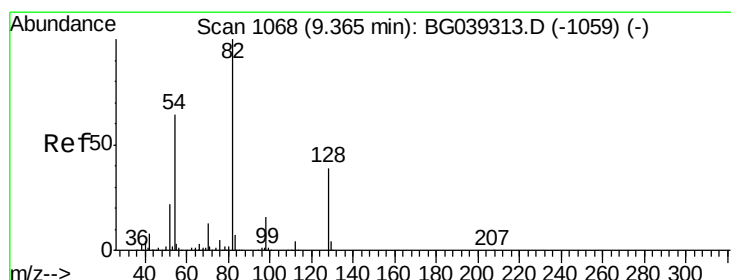
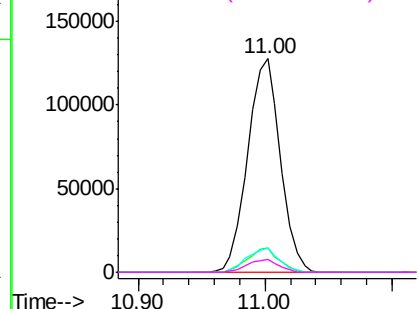
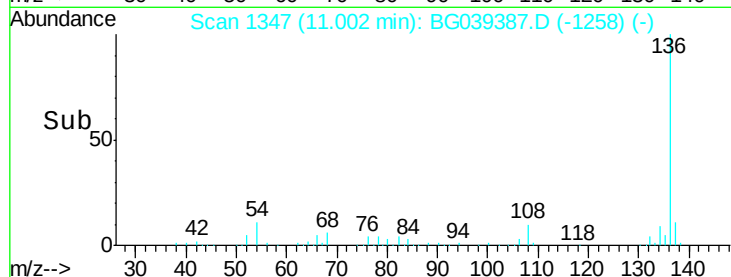
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tot Ion:136	Resp:	227967
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.1 13.7
54	11.3	9.4 14.2
68	5.8	4.2 6.4

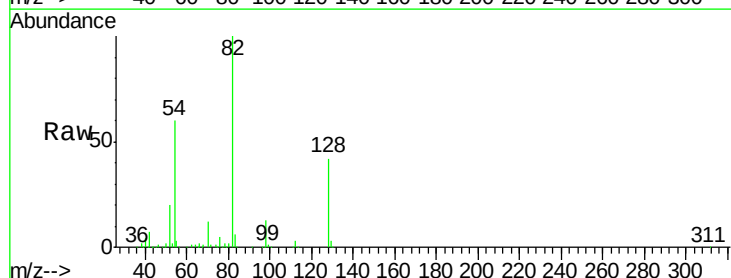


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

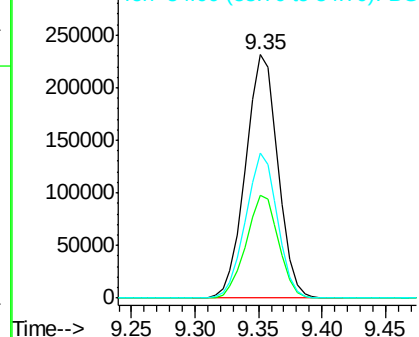
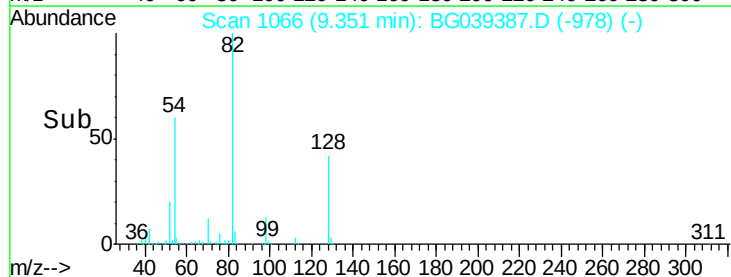


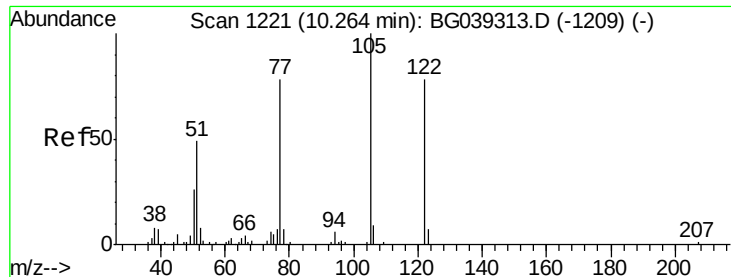
#23
Nitrobenzene-d5
Concen: 112.45 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion: 82	Resp:	410356
Ion	Ratio	Lower Upper
82	100	
128	42.2	31.3 46.9
54	59.7	50.9 76.3



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

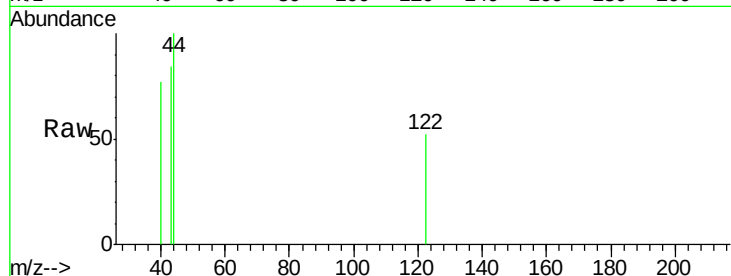




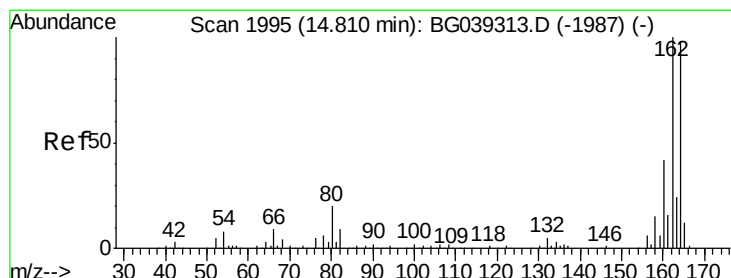
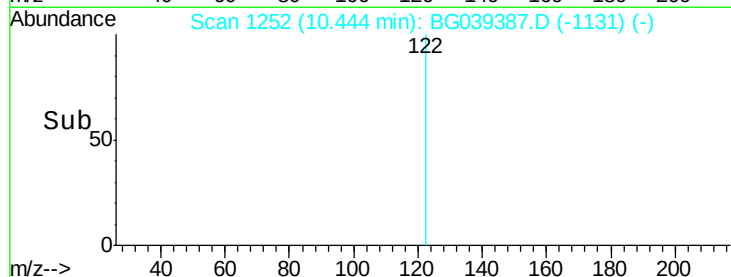
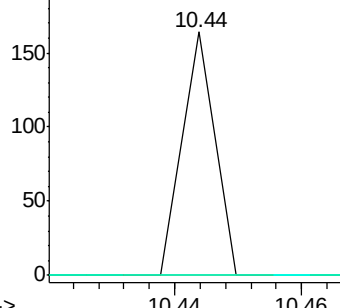
#32
Benzoic acid
Concen: 9.04 ng
RT: 10.44 min Scan# 1252
Delta R.T. 0.18 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampleId :
M-7

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#

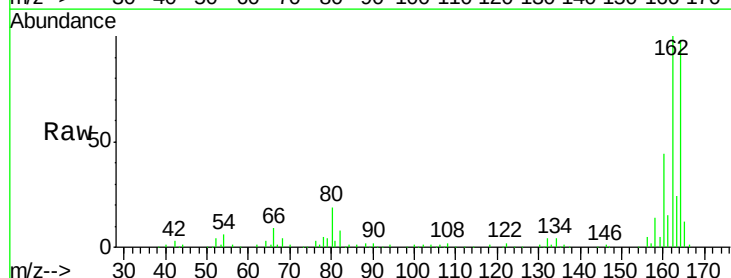


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

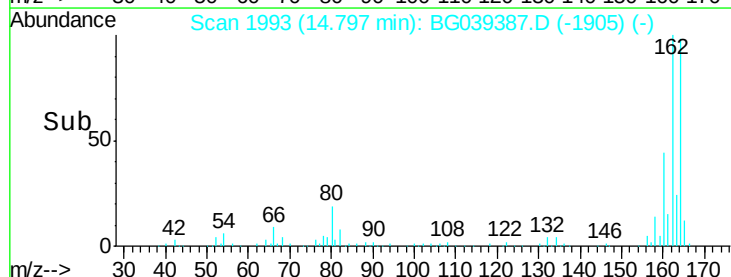
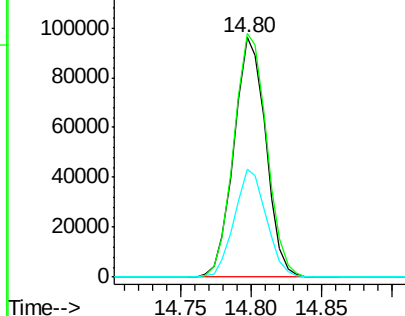


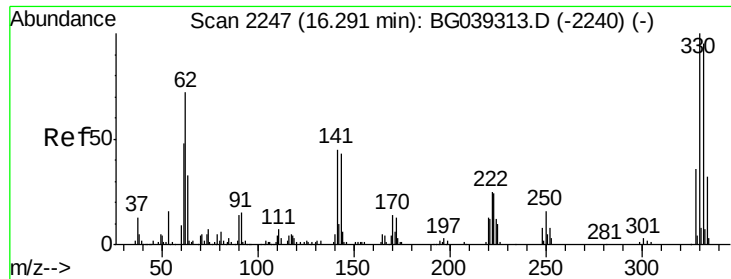
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.6	122.4
160	44.9	34.2	51.2



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

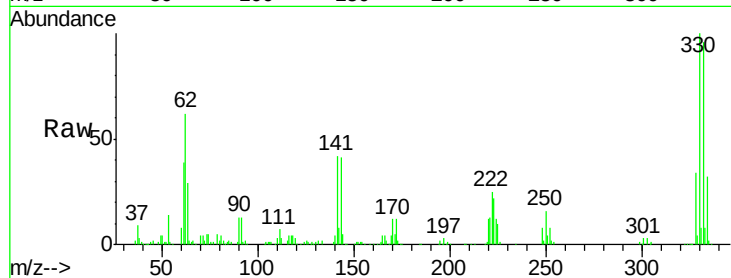




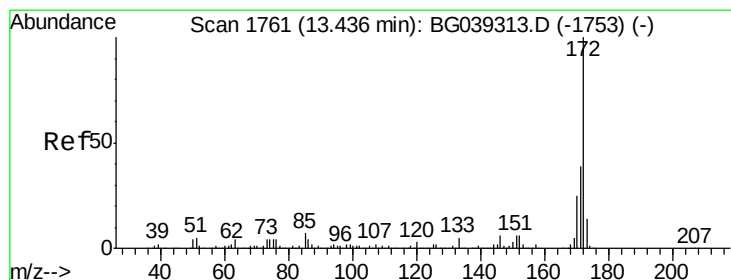
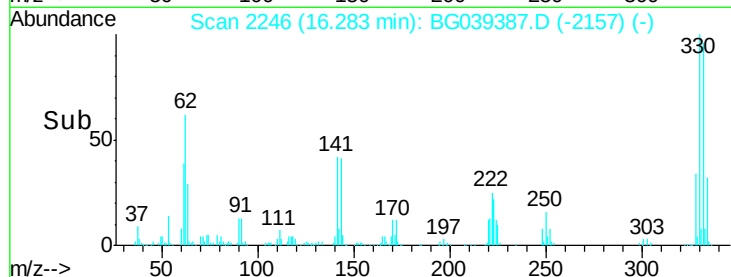
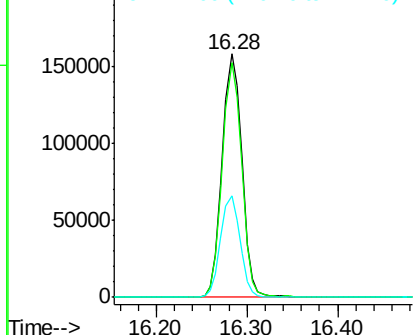
#42
 2,4,6-Tribromophenol
 Concen: 147.63 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039387.D
 Acq: 7 Feb 2019 18:20

Instrument :
 BNA_G
 ClientSampleId :
 M-7

Tot Ion:330 Resp: 240090
 Ion Ratio Lower Upper
 330 100
 332 94.6 75.7 113.5
 141 41.2 35.6 53.4

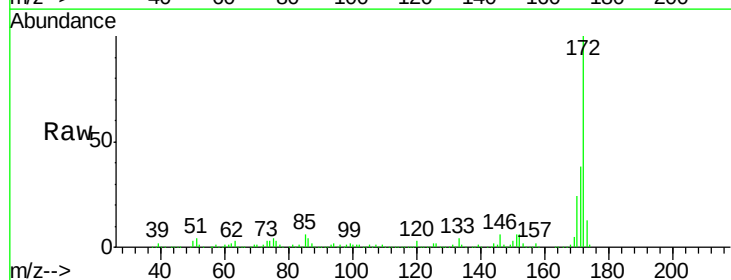


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

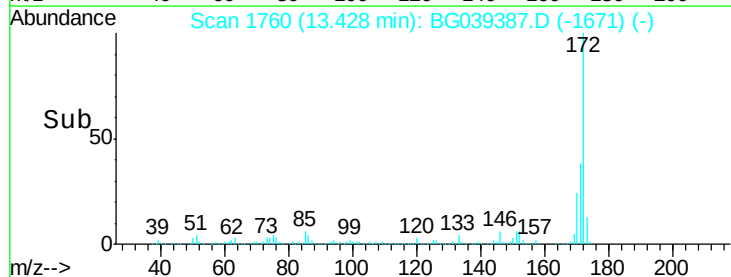
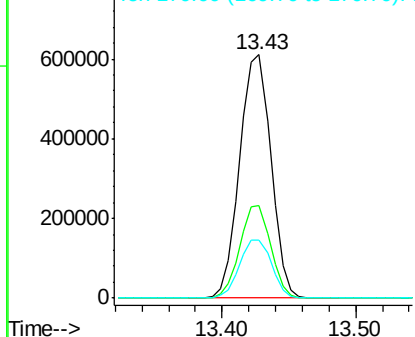


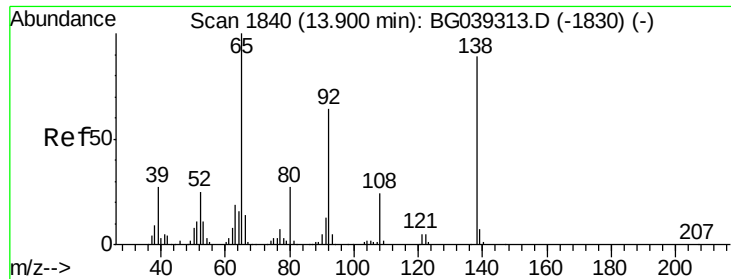
#45
 2-Fluorobiphenyl
 Concen: 94.20 ng
 RT: 13.43 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BG039387.D
 Acq: 7 Feb 2019 18:20

Tgt Ion:172 Resp: 991647
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.8 46.2
 170 24.1 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: 8.32 ng

RT: 14.23 min Scan# 1897

Delta R.T. 0.33 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA_G

ClientSampled :

M-7

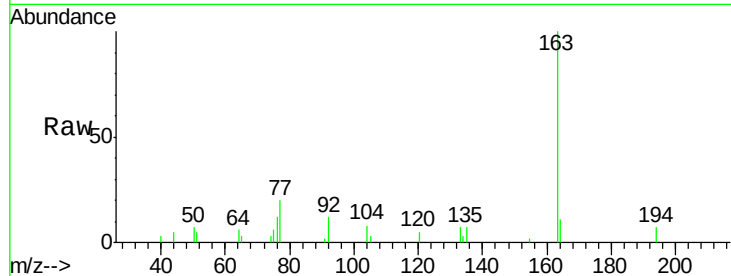
Tot Ion: 65 Resp: 87

Ion Ratio Lower Upper

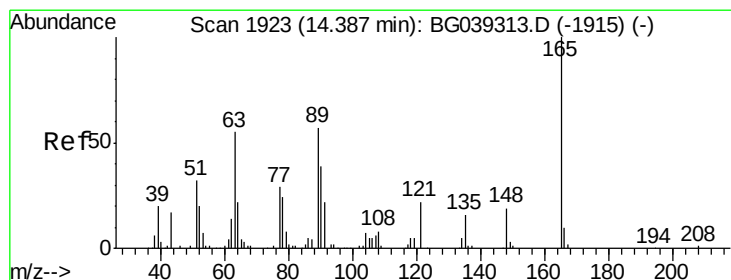
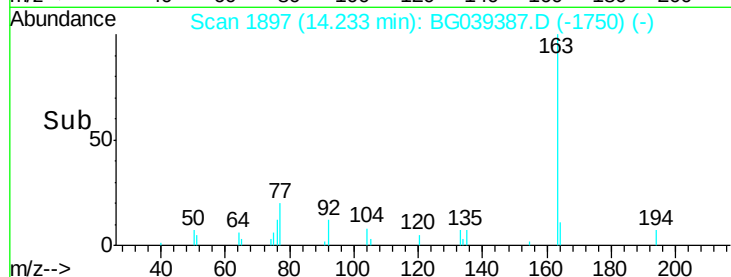
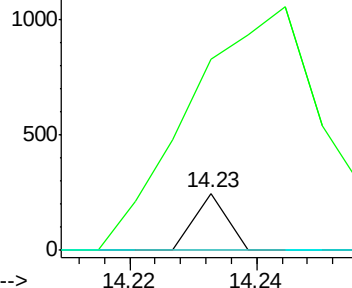
65 100

92 334.3 51.4 77.2#

138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 13.60 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.42 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

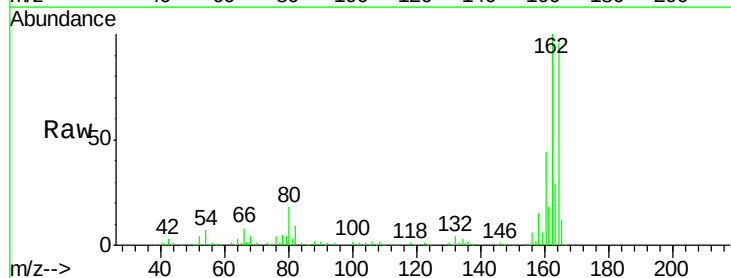
Tgt Ion: 165 Resp: 18578

Ion Ratio Lower Upper

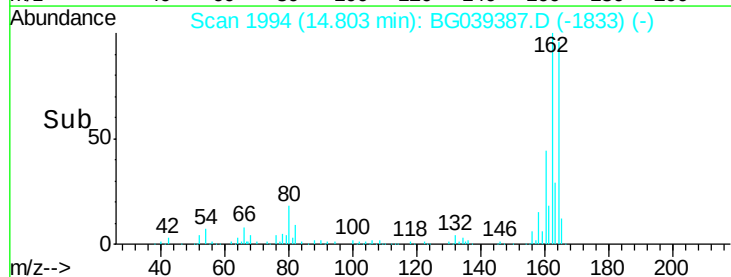
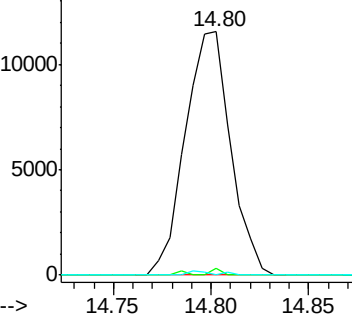
165 100

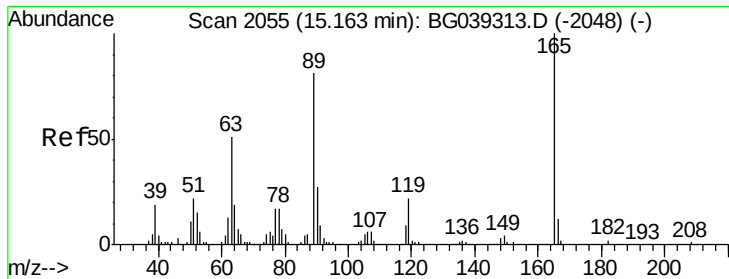
63 2.9 47.0 70.6#

89 0.0 45.8 68.8#



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





#57

2,4-Dinitrotoluene

Concen: 13.15 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA_G

ClientSampleId :

M-7

Tot Ion:165 Resp: 18578

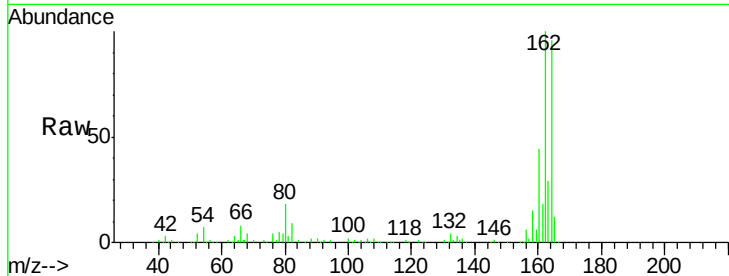
Ion Ratio Lower Upper

165 100

63 2.9 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

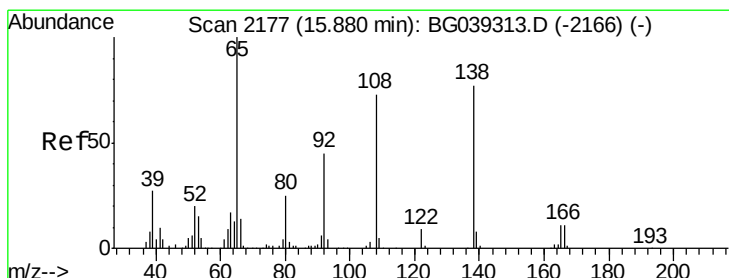
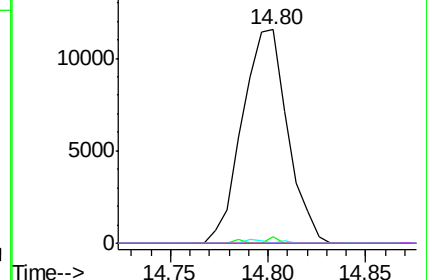
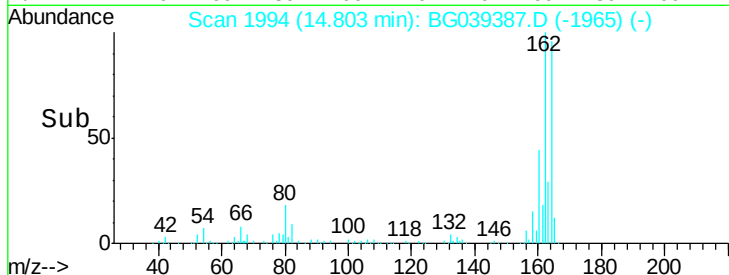


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.22 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.34 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

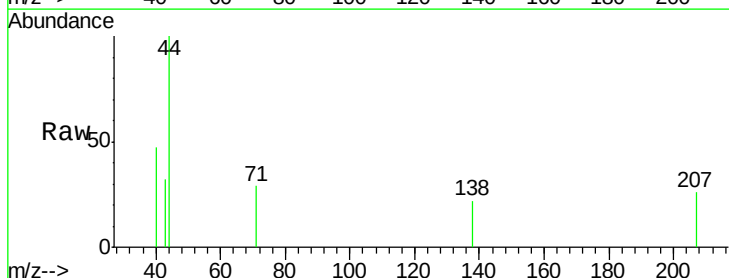
Tgt Ion:138 Resp: 56

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

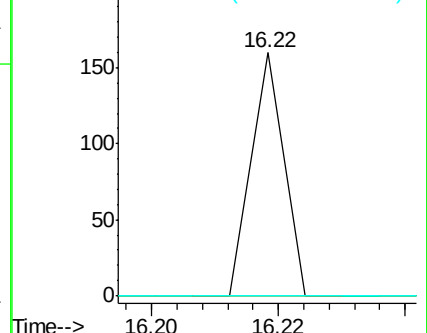
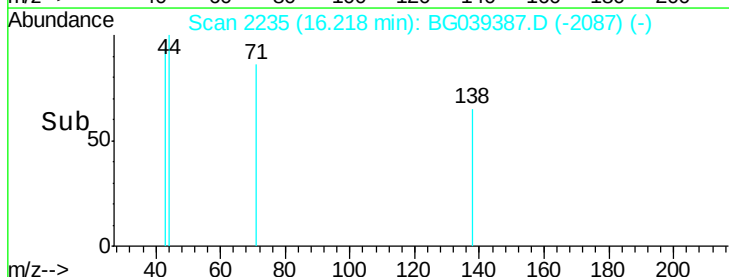
108 0.0 74.6 114.6#

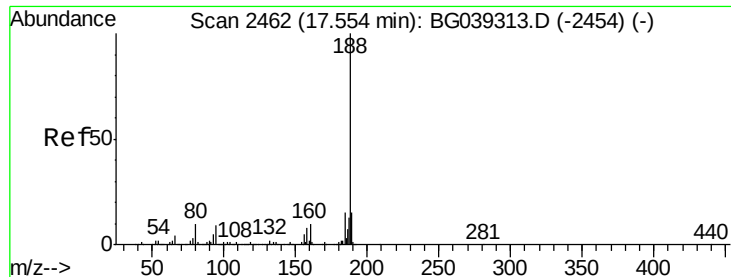


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA_G

ClientSampleId :

M-7

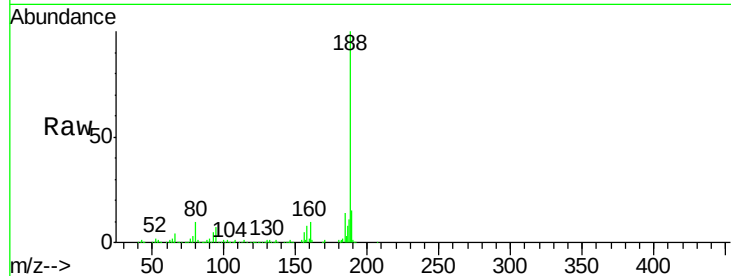
Tot Ion:188 Resp: 361465

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

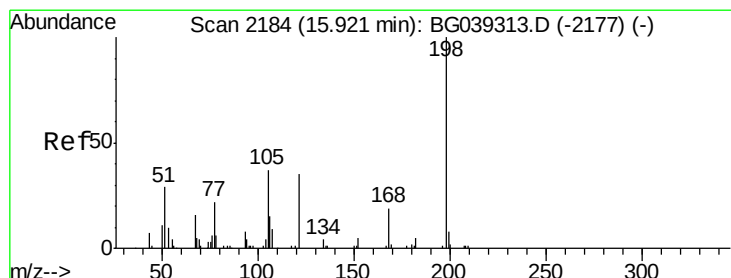
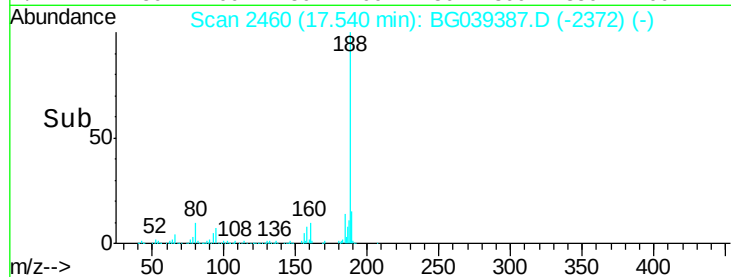
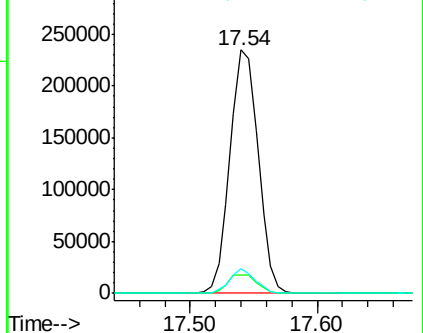
80 10.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.86 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

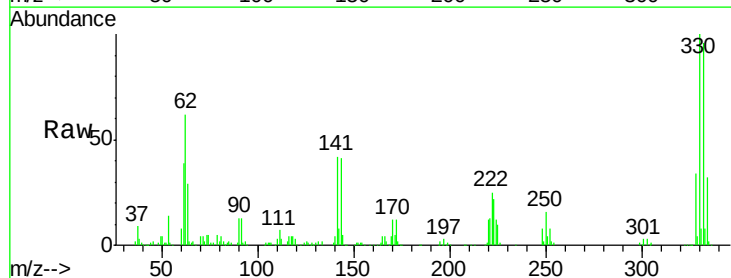
Tgt Ion:198 Resp: 777

Ion Ratio Lower Upper

198 100

51 149.0 27.4 67.4#

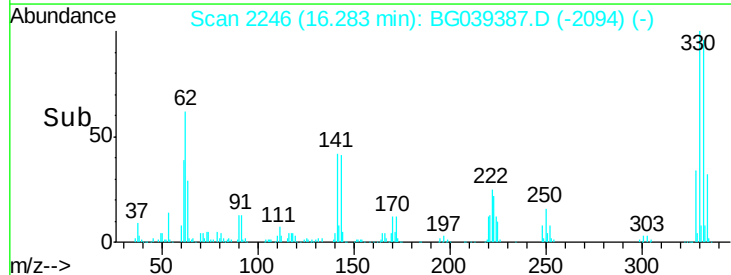
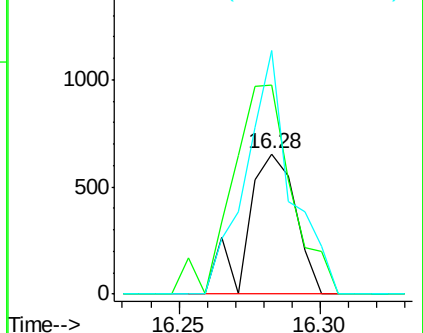
105 174.0 19.7 59.7#

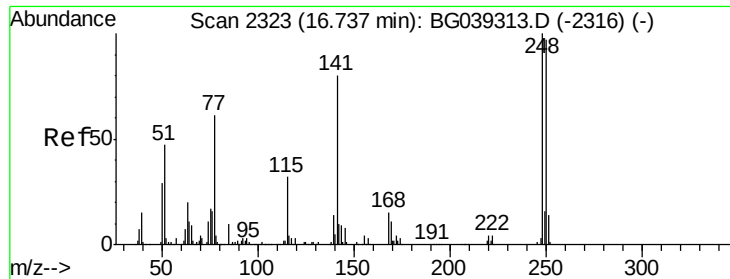


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

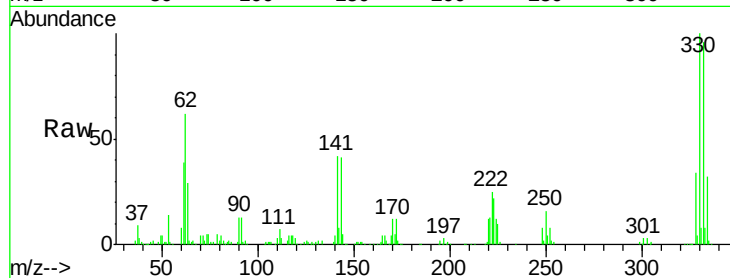




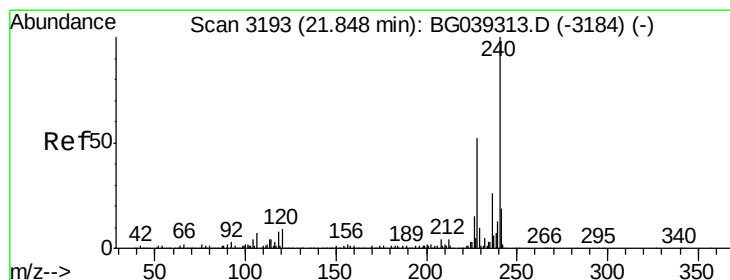
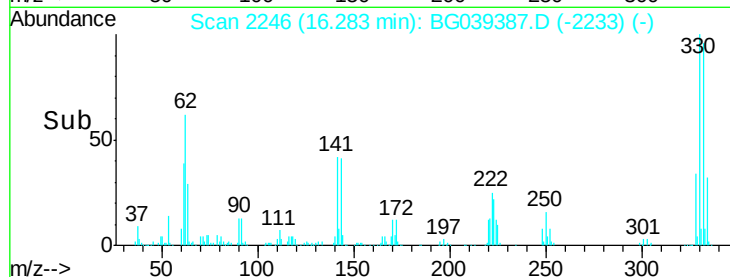
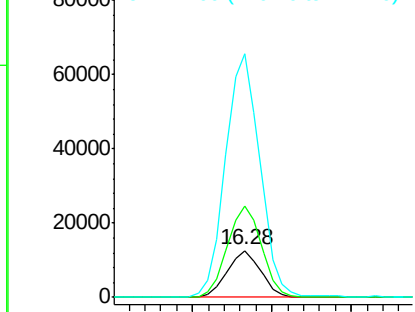
#67
4-Bromophenyl-phenylether
Concen: 4.63 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Instrument :
BNA_G
ClientSampled :
M-7

Tot Ion:248 Resp: 18571
Ion Ratio Lower Upper
248 100
250 196.0 77.6 116.4#
141 520.6 63.9 95.9#

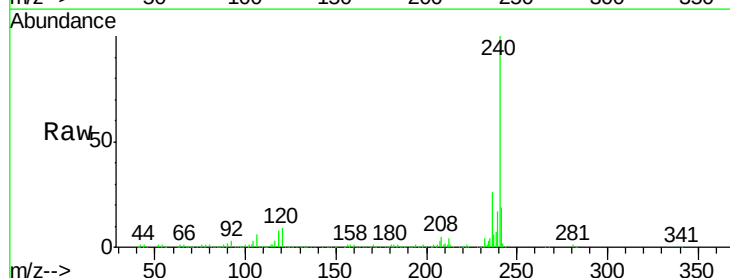


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

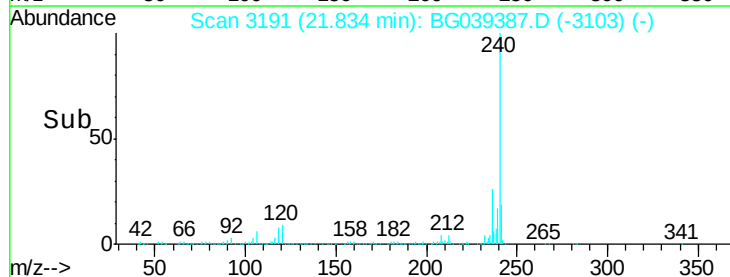
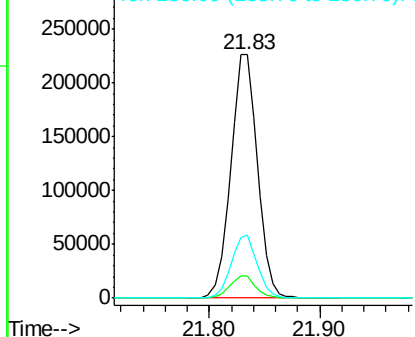


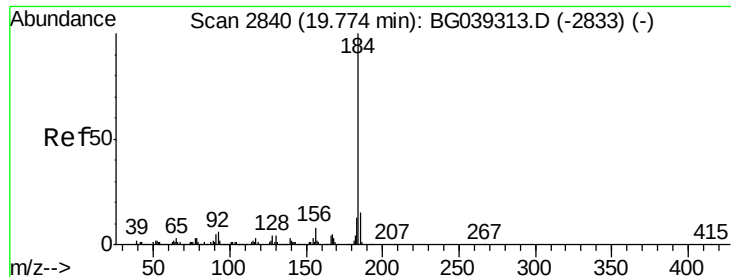
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039387.D
Acq: 7 Feb 2019 18:20

Tgt Ion:240 Resp: 382749
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.6
236 26.1 21.0 31.4



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





#77

Benzidine

Concen: 2.25 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

Instrument :

BNA_G

ClientSampleId :

M-7

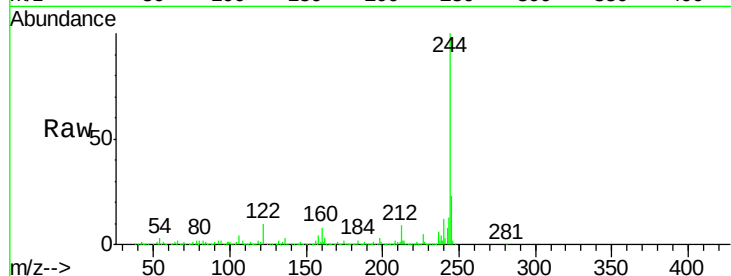
Tot Ion:184 Resp: 28223

Ion Ratio Lower Upper

184 100

185 14.5 12.2 18.2

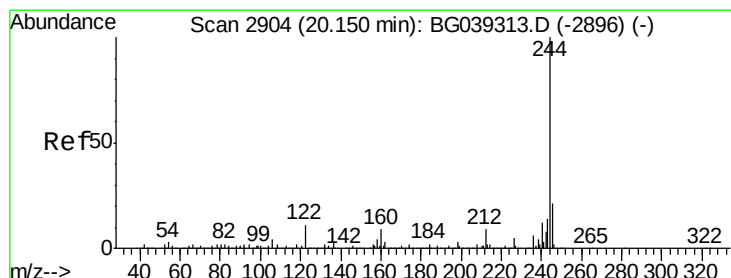
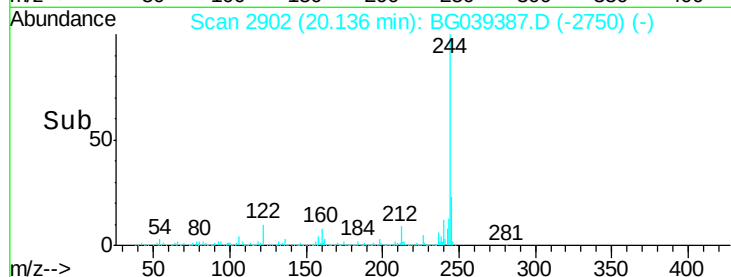
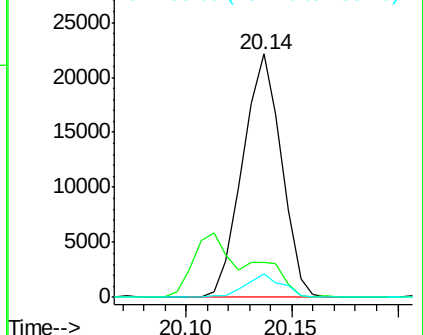
183 9.4 10.6 15.8#



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



#79

Terphenyl-d14

Concen: 85.83 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039387.D

Acq: 7 Feb 2019 18:20

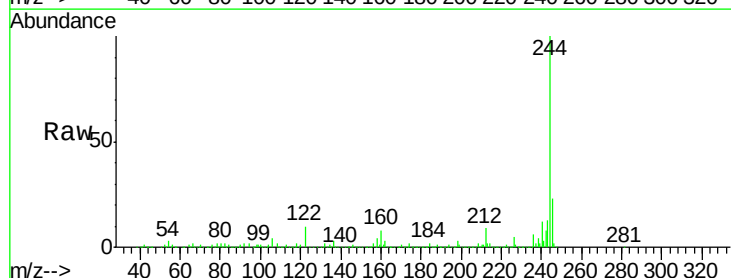
Tgt Ion:244 Resp: 1552077

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

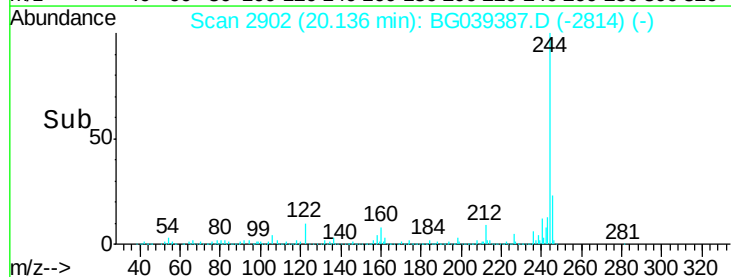
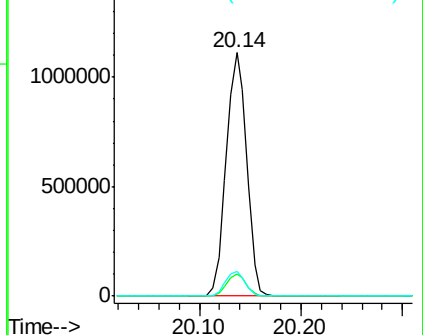
122 10.1 8.4 12.6

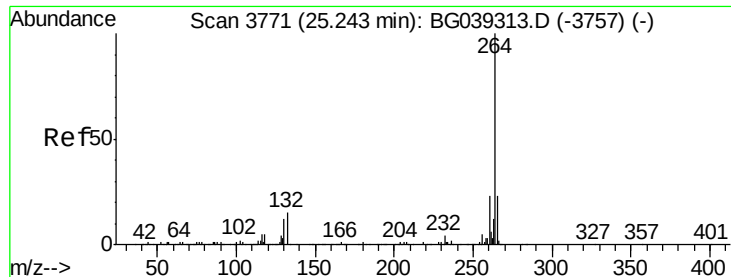


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.00 ng
 RT: 25.21 min Scan# 3766
 Delta R.T. -0.03 min
 Lab File: BG039387.D
 Acq: 7 Feb 2019 18:20

Instrument :
 BNA_G
 ClientSampleId :
 M-7

Tot Ion:	264	Resp:	378139
Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.2	27.4
265	22.2	18.5	27.7

