

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039403.D
 Acq On : 8 Feb 2019 5:28
 Operator : JU/SJ
 Sample : K1389-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-6

Quant Time: Feb 08 09:17:46 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	52782	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	227228	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	149482	20.00	ng	-0.01
64) Phenanthrene-d10	17.55	188	353994	20.00	ng	0.00
76) Chrysene-d12	21.83	240	380600	20.00	ng	-0.01
87) Perylene-d12	25.22	264	361636	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	430893	139.72	ng	0.00
7) Phenol-d6	7.31	99	567000	124.90	ng	0.00
23) Nitrobenzene-d5	9.36	82	401044	110.26	ng	0.00
42) 2,4,6-Tribromophenol	16.28	330	204604	127.11	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	941004	90.31	ng	0.00
79) Terphenyl-d14	20.14	244	1557487	86.62	ng	-0.01

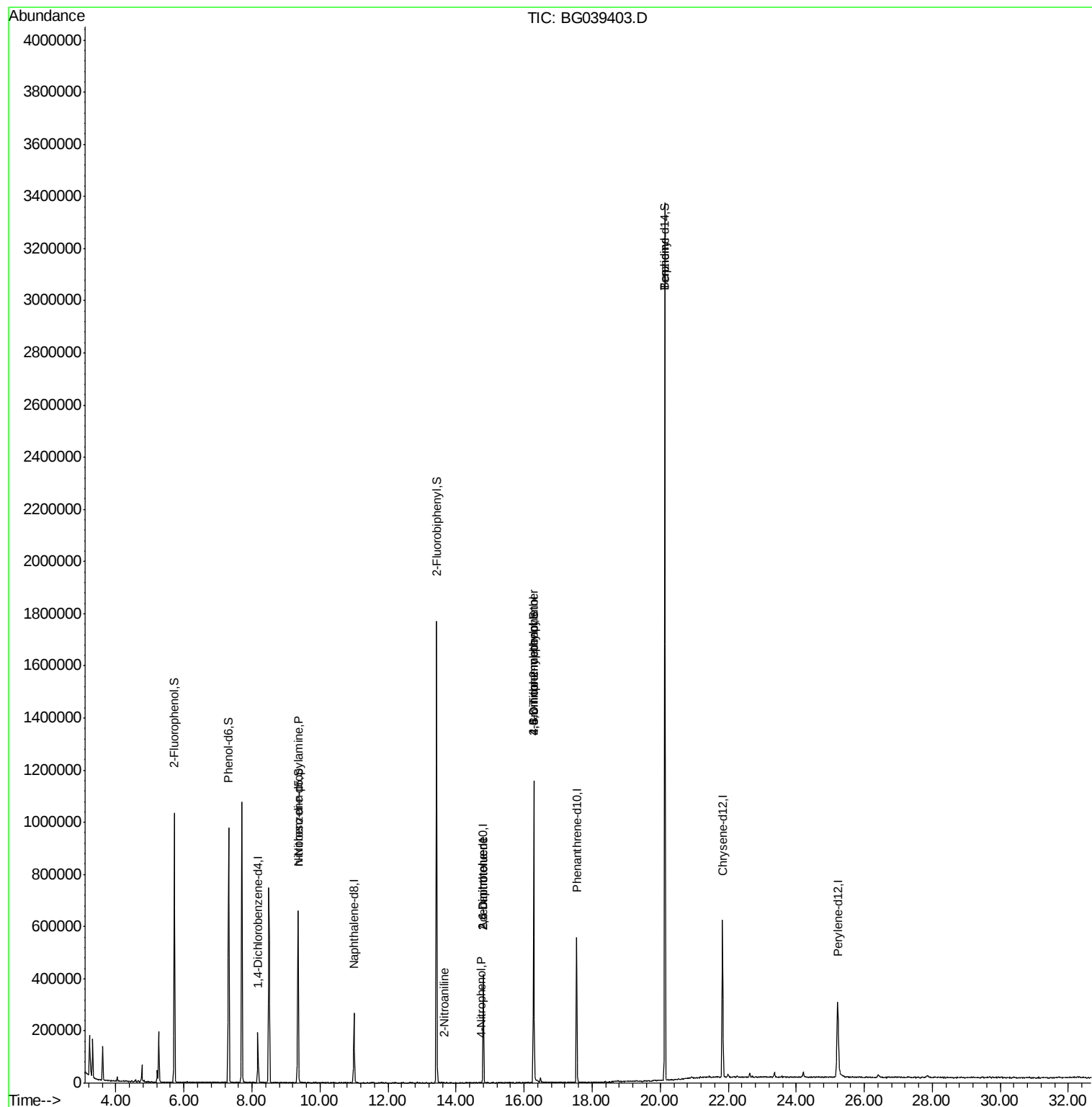
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	986	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.36	70	52436	16.27	ng	68
48) 2-Nitroaniline	13.64	65	54	8.31	ng	10
51) 2,6-Dinitrotoluene	14.80	165	20359	14.35	ng	23
56) 4-Nitrophenol	14.73	139	54	5.82	ng	1
57) 2,4-Dinitrotoluene	14.80	165	20359	13.72	ng	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	633	4.75	ng	1
67) 4-Bromophenyl-phenylether	16.28	248	15454	3.94	ng	1
77) Benzidine	20.14	184	27218	2.18	ng	91

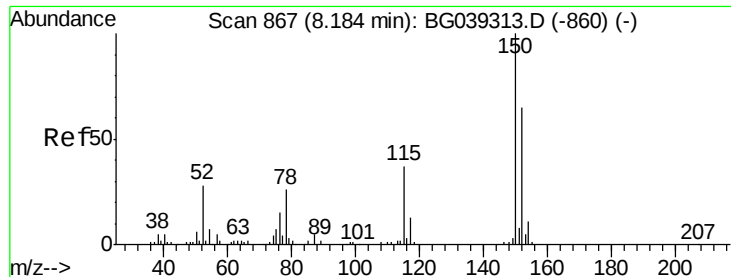
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

BNA_G

ClientSampleId :

M-6

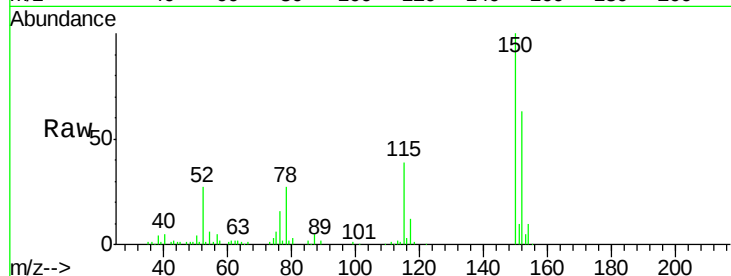
Tot Ion:152 Resp: 52782

Ion Ratio Lower Upper

152 100

150 159.9 123.7 185.5

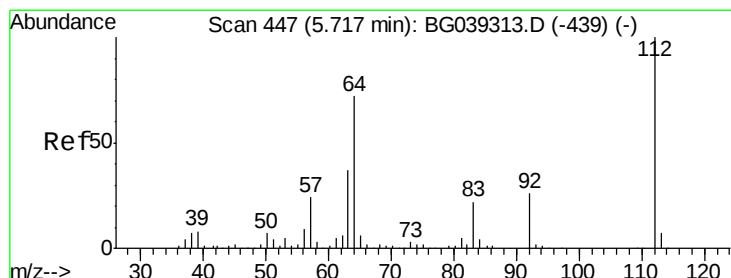
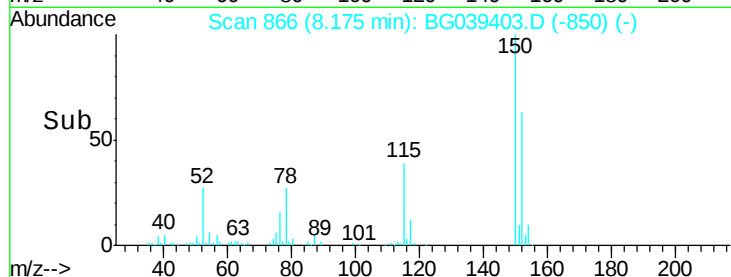
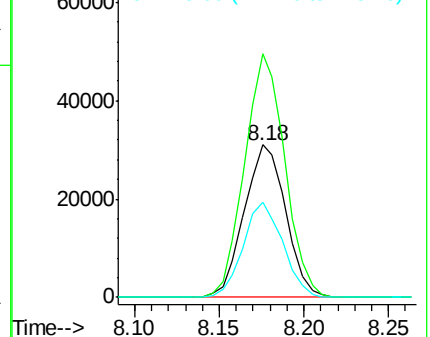
115 62.2 45.9 68.9



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: 139.72 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

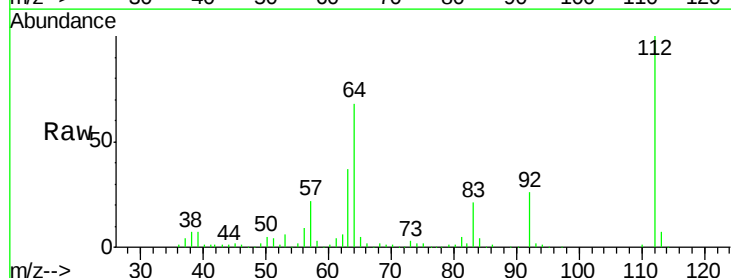
Tgt Ion:112 Resp: 430893

Ion Ratio Lower Upper

112 100

64 67.9 57.8 86.8

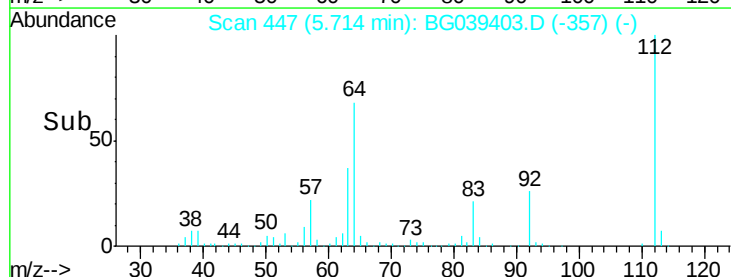
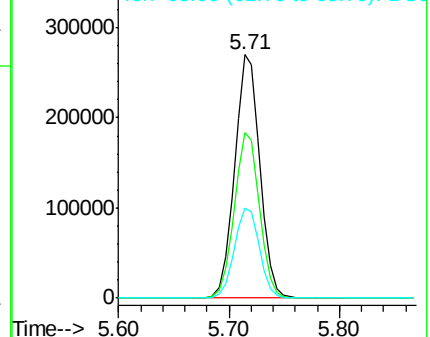
63 36.8 29.8 44.6

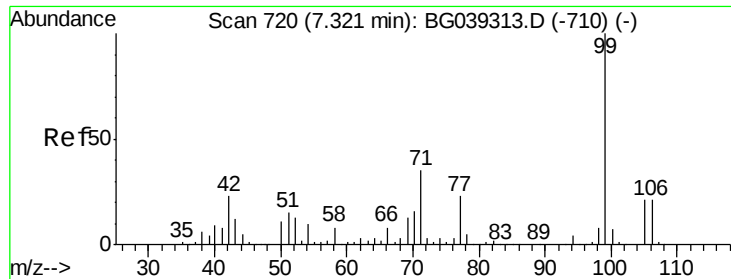


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.90 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

BNA_G

ClientSampled :

M-6

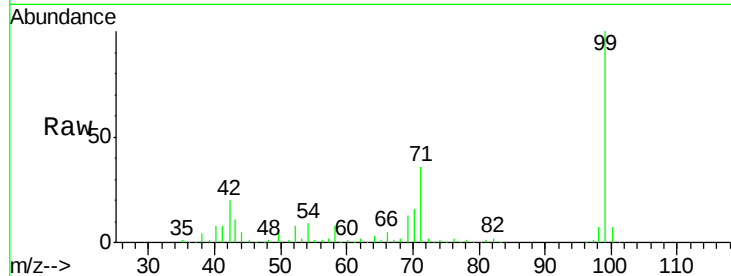
Tot Ion: 99 Resp: 567000

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.2

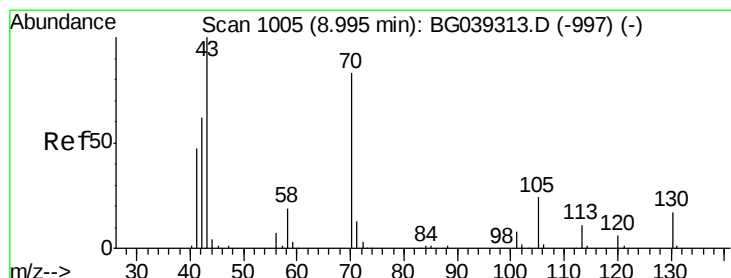
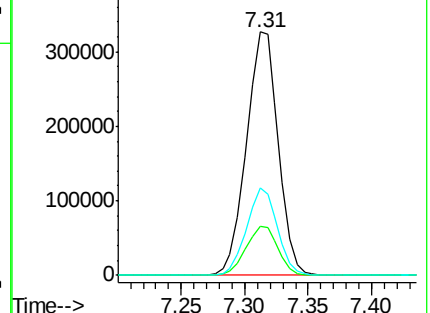
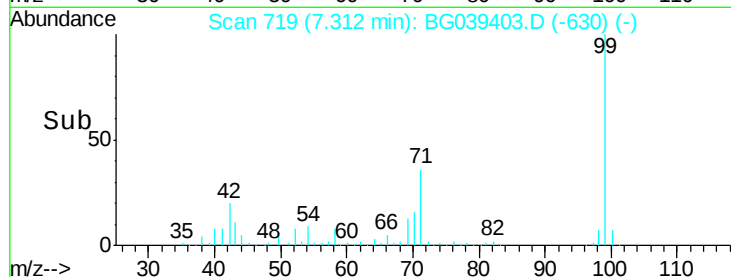
71 35.7 28.0 42.0



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: 16.27 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Tgt Ion: 70 Resp: 52436

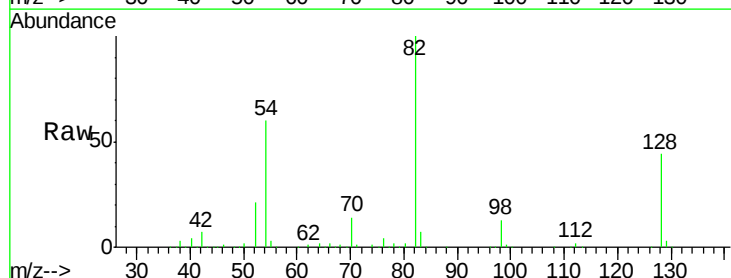
Ion Ratio Lower Upper

70 100

42 49.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

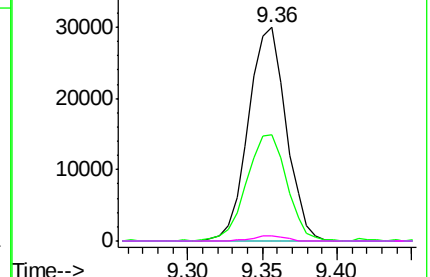
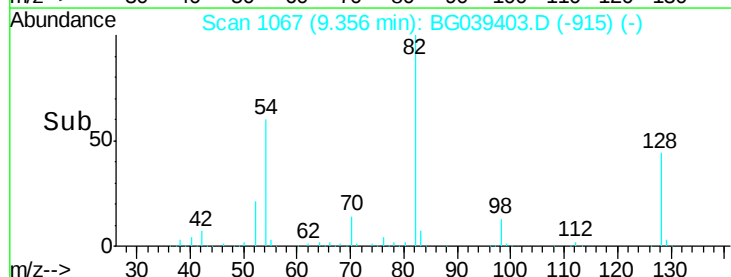


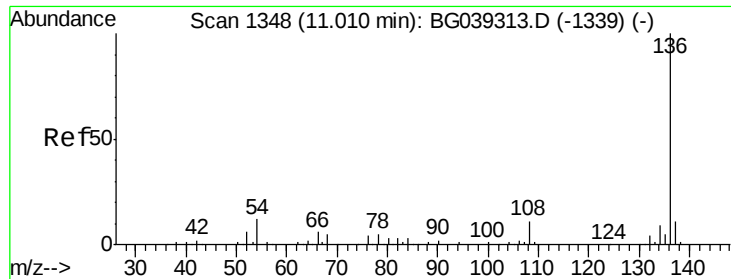
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

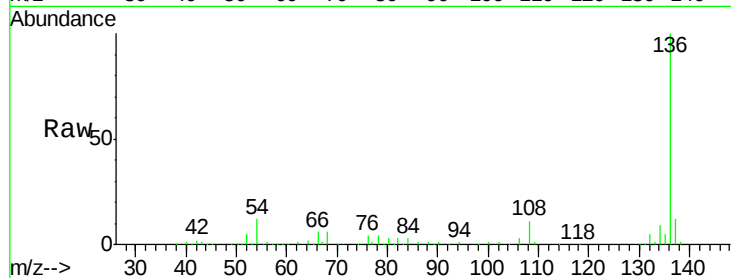




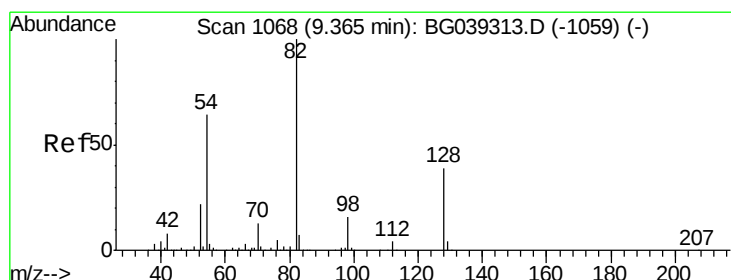
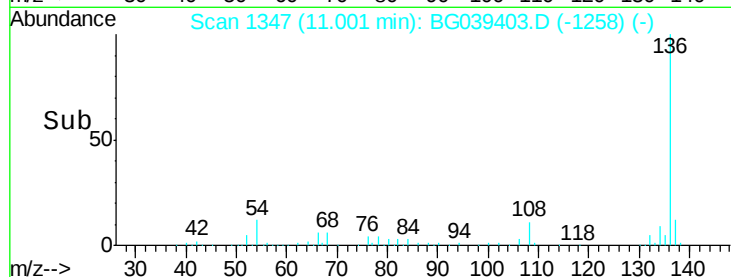
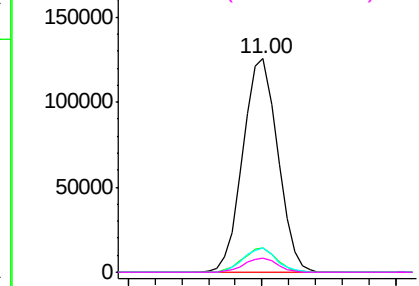
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.00 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

Instrument :
BNA_G
ClientSampleId :
M-6

Tot Ion:136	Resp:	227228
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.1 13.7
54	11.6	9.4 14.2
68	6.4	4.2 6.4#

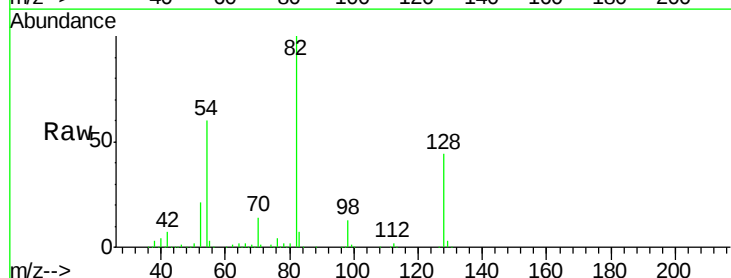


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

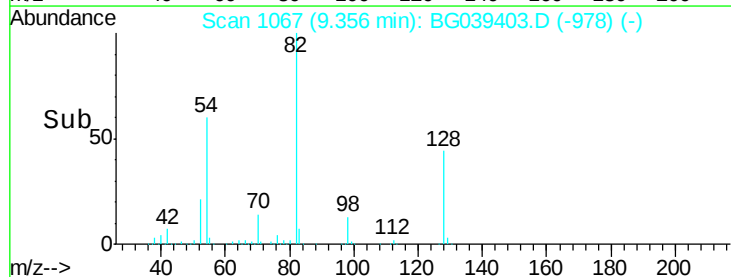
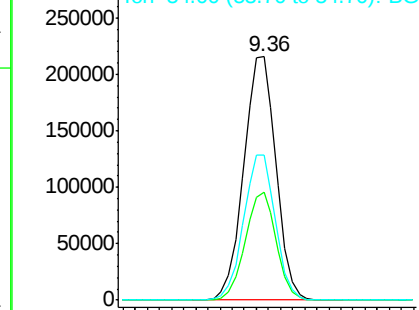


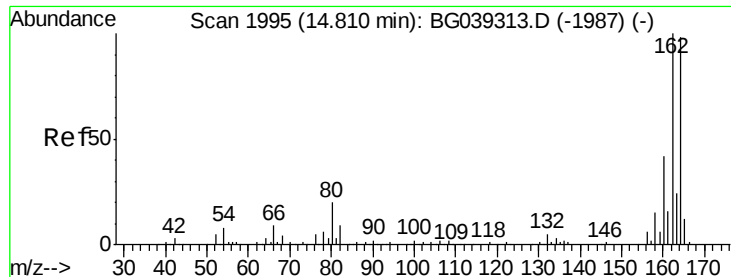
#23
Nitrobenzene-d5
Concen: 110.26 ng
RT: 9.36 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

Tgt Ion: 82	Resp:	401044
Ion Ratio	Lower	Upper
82	100	
128	44.3	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





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

BNA_G

ClientSampleId :

M-6

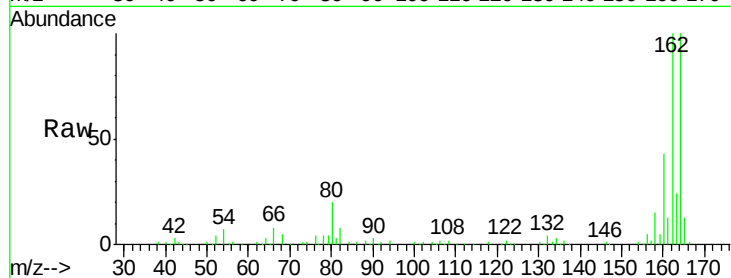
Tot Ion:164 Resp: 149482

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

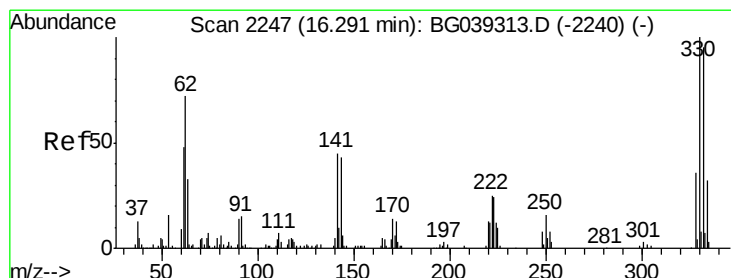
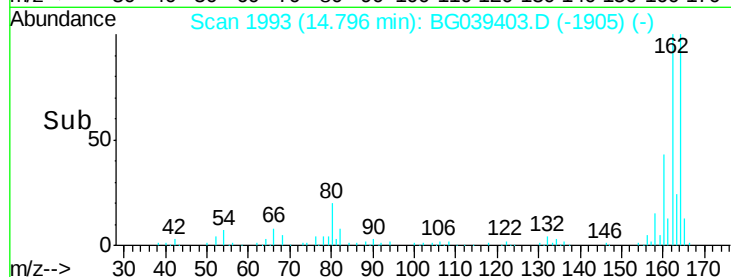
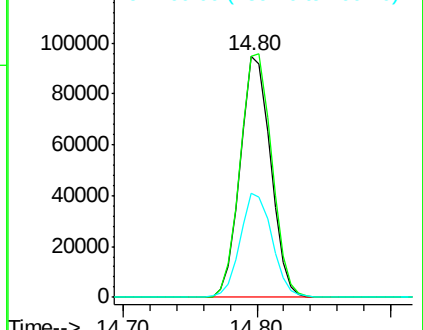
160 42.9 34.2 51.2



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: 127.11 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

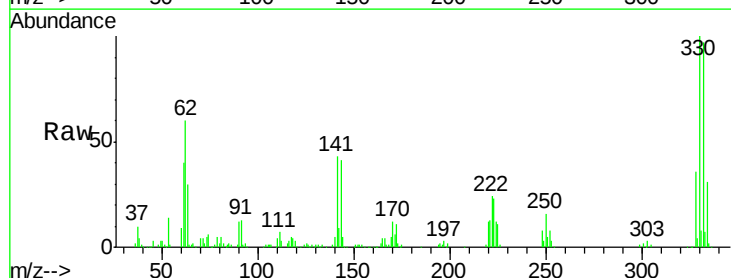
Tgt Ion:330 Resp: 204604

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

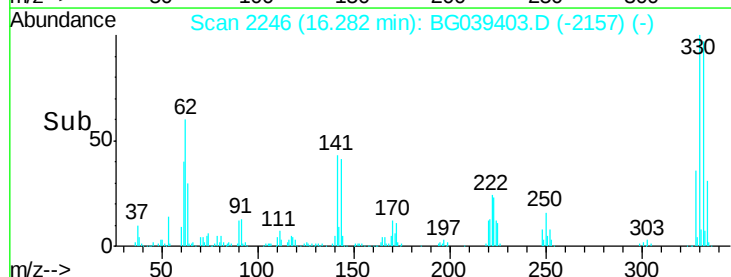
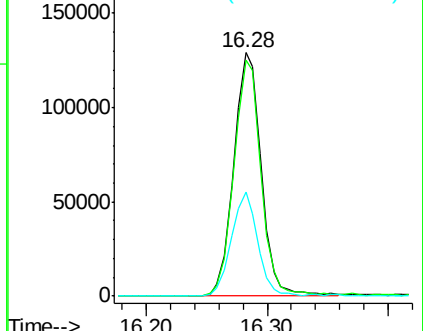
141 40.9 35.6 53.4

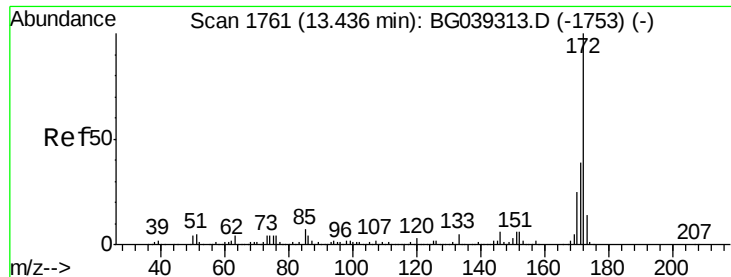


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

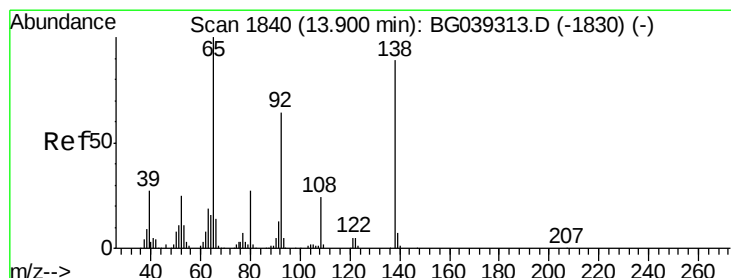
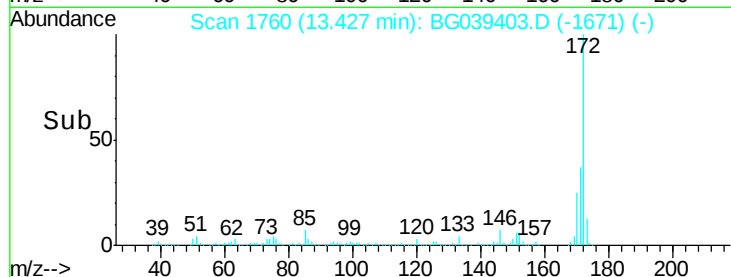
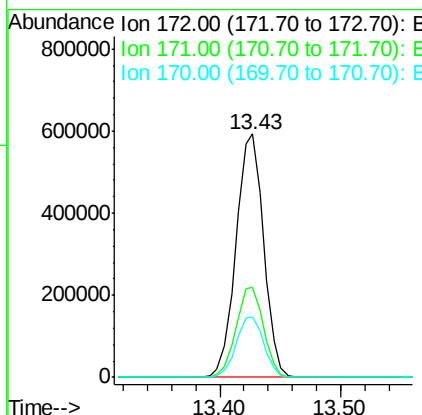
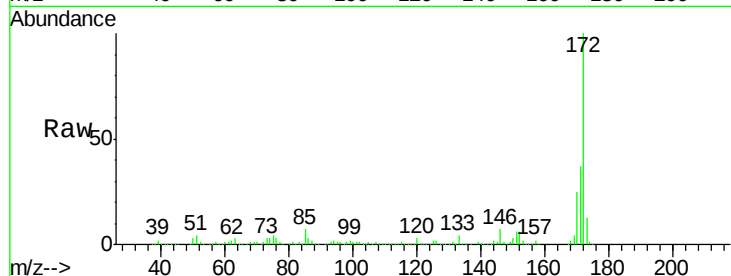




#45
2-Fluorobiphenyl
Concen: 90.31 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

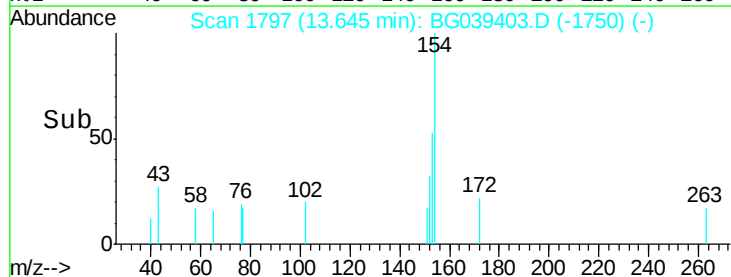
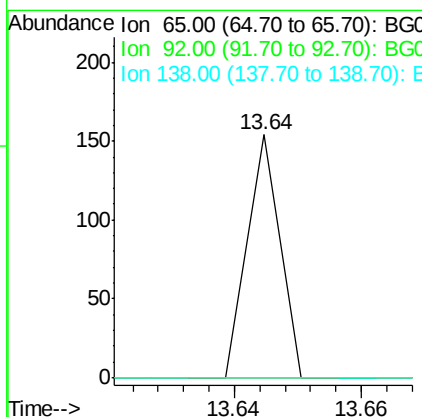
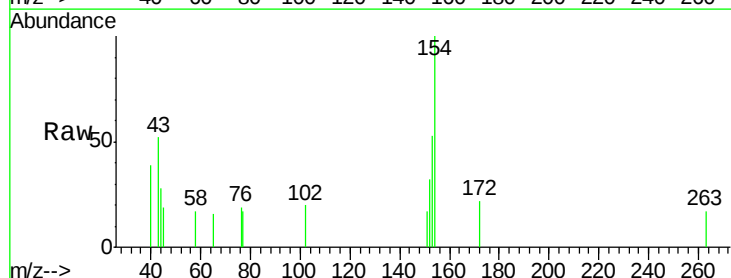
Instrument :
BNA_G
ClientSampleId :
M-6

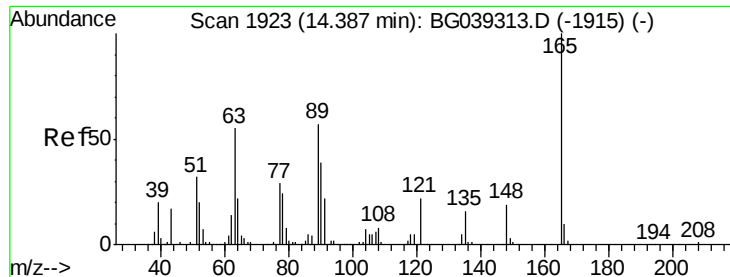
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.8	46.2
170	24.7	20.2	30.4



#48
2-Nitroaniline
Concen: 8.31 ng
RT: 13.64 min Scan# 1797
Delta R.T. -0.25 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.4	77.2#
138	0.0	71.4	107.2#





#51

2,6-Dinitrotoluene

Concen: 14.35 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.41 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

BNA_G

ClientSampleId :

M-6

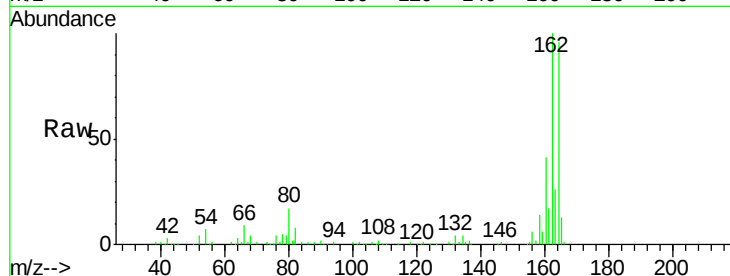
Tot Ion:165 Resp: 20359

Ion Ratio Lower Upper

165 100

63 1.9 47.0 70.6#

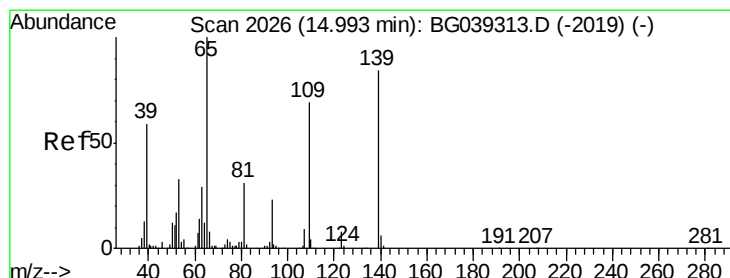
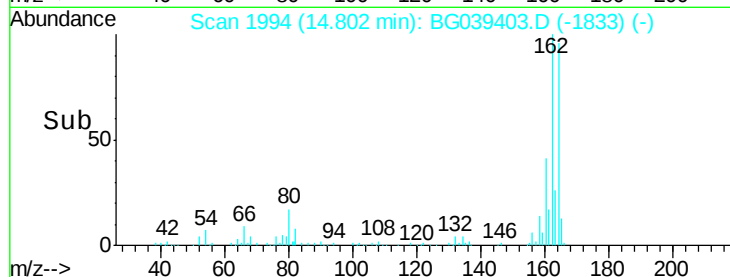
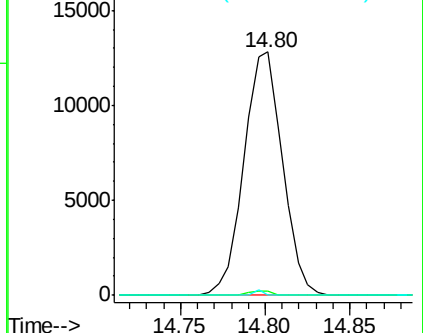
89 0.0 45.8 68.8#



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



#56

4-Nitrophenol

Concen: 5.82 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.27 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

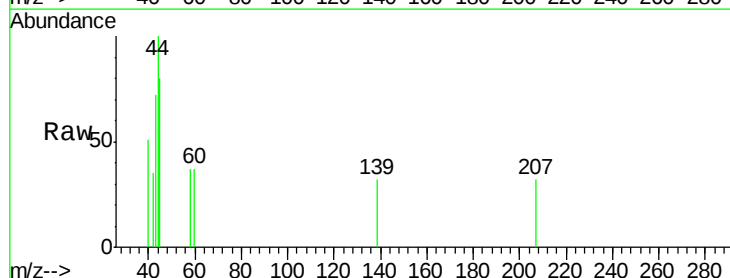
Tgt Ion:139 Resp: 54

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

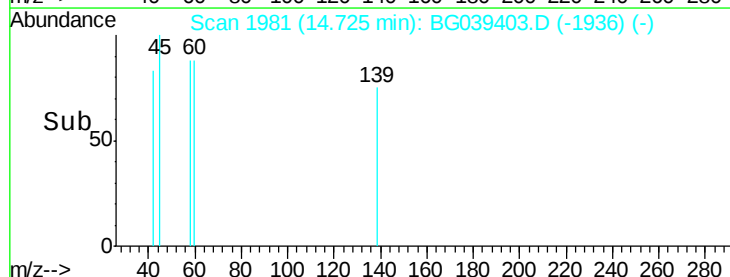
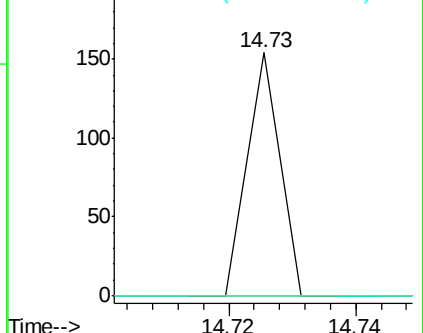
65 0.0 99.1 139.1#

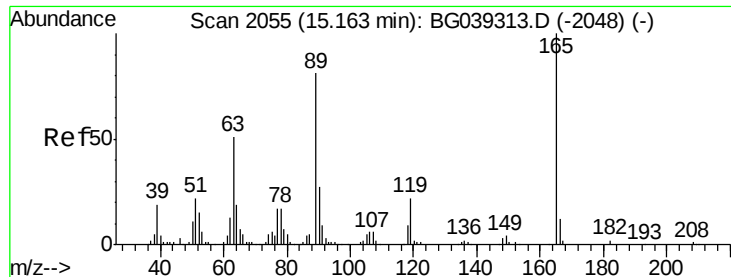


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.72 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.36 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

BNA_G

ClientSampleId :

M-6

Tot Ion:165 Resp: 20359

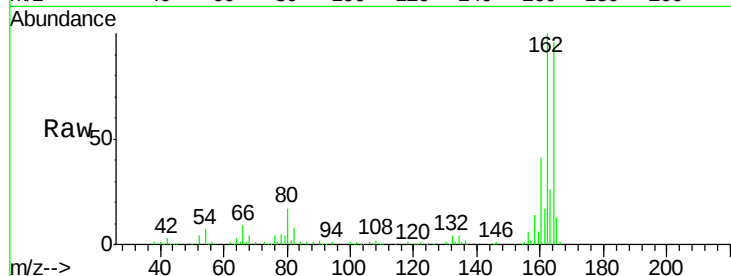
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

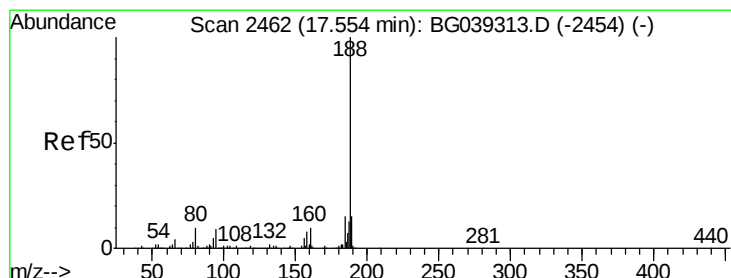
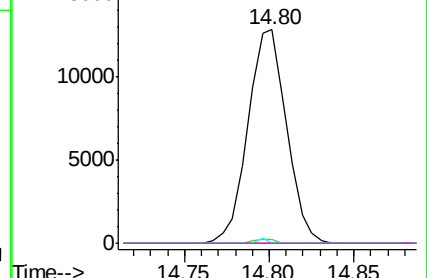
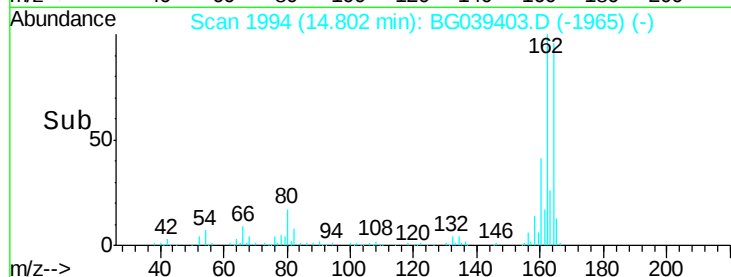


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

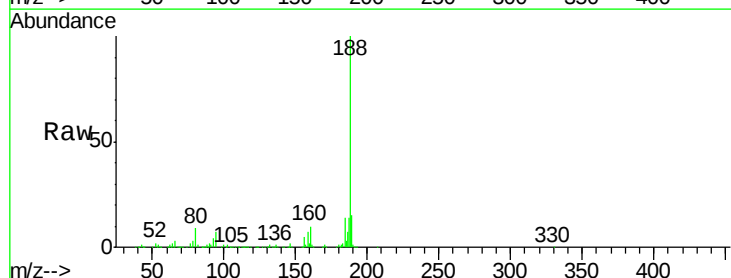
Tgt Ion:188 Resp: 353994

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

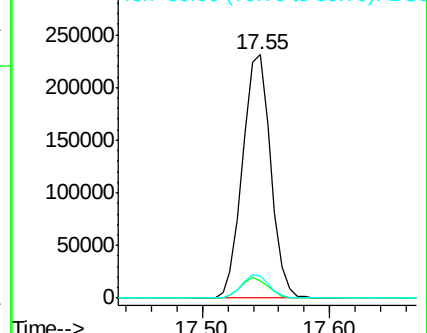
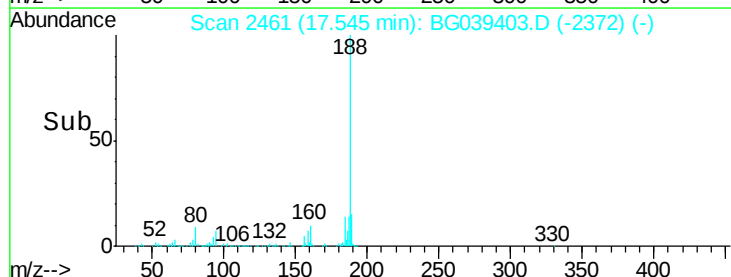
80 9.3 8.1 12.1

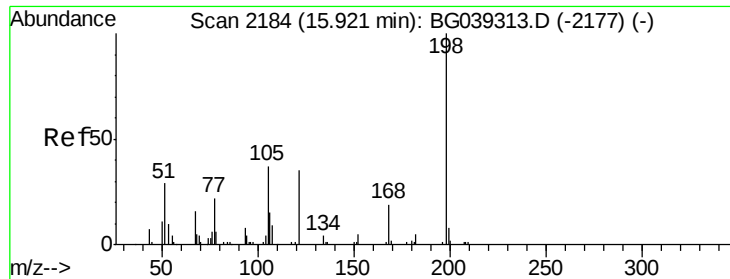


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

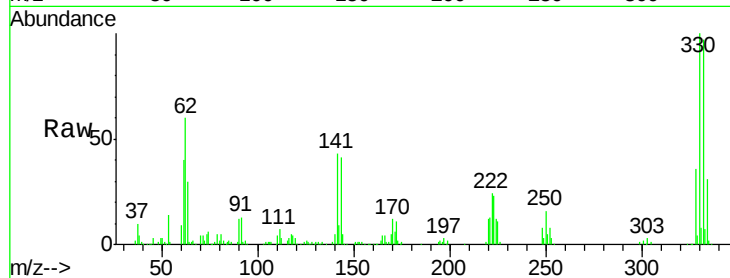




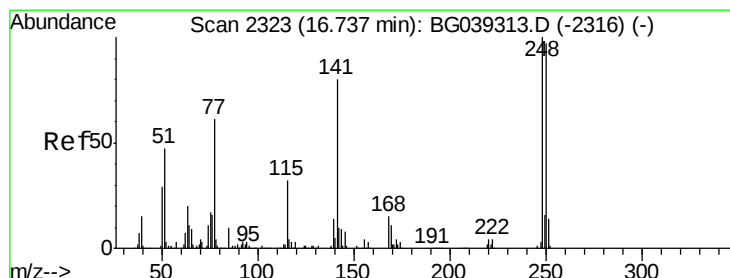
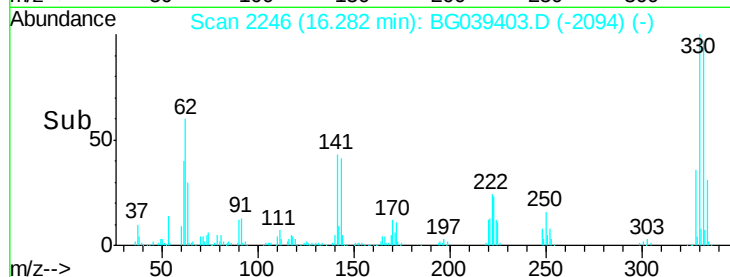
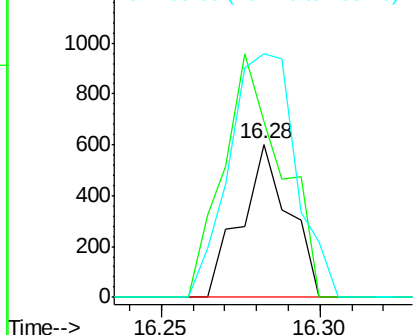
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.75 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039403.D
 Acq: 8 Feb 2019 5:28

Instrument :
 BNA_G
 ClientSampled :
 M-6

Tot Ion:198 Resp: 633
 Ion Ratio Lower Upper
 198 100
 51 115.0 27.4 67.4#
 105 159.4 19.7 59.7#

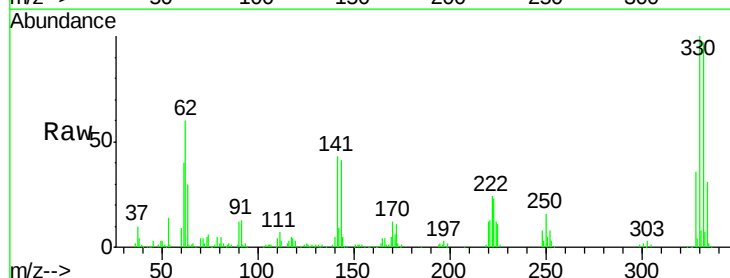


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

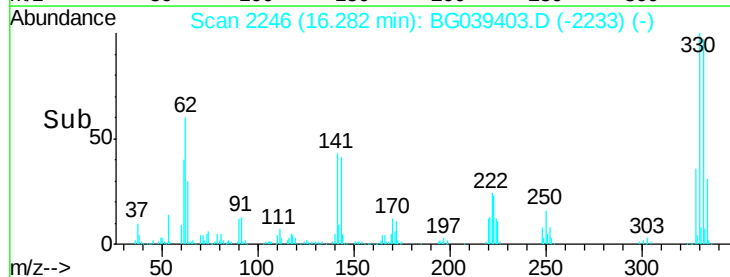
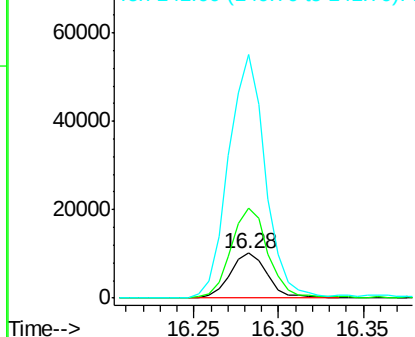


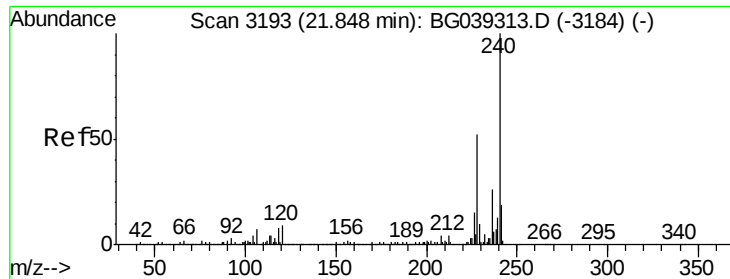
#67
 4-Bromophenyl-phenylether
 Concen: 3.94 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039403.D
 Acq: 8 Feb 2019 5:28

Tgt Ion:248 Resp: 15454
 Ion Ratio Lower Upper
 248 100
 250 200.0 77.6 116.4#
 141 541.1 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

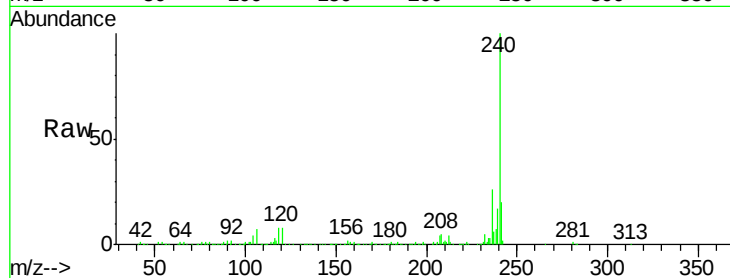




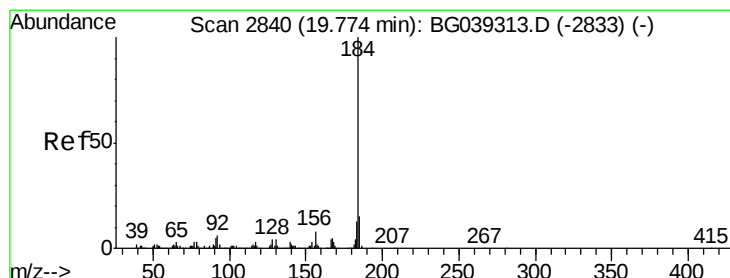
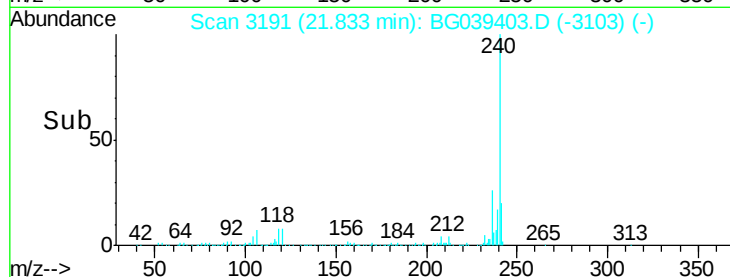
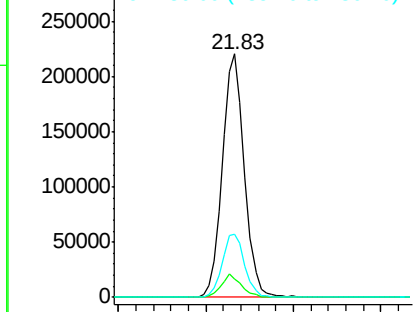
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.01 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

Instrument :
BNA_G
ClientSampleId :
M-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	7.0	10.6
236	25.7	21.0	31.4

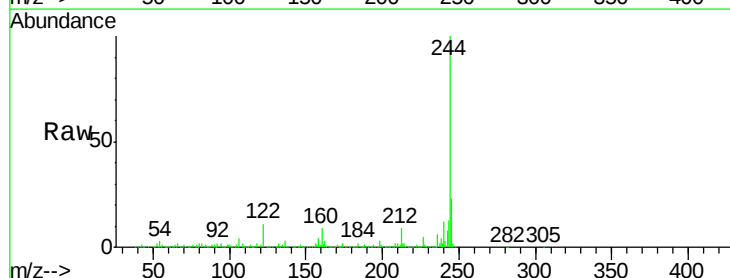


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

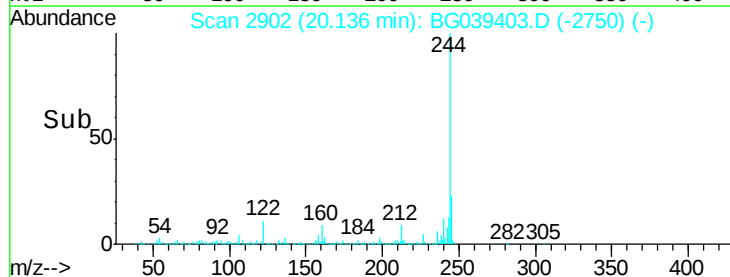
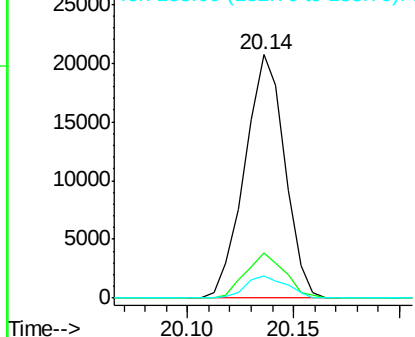


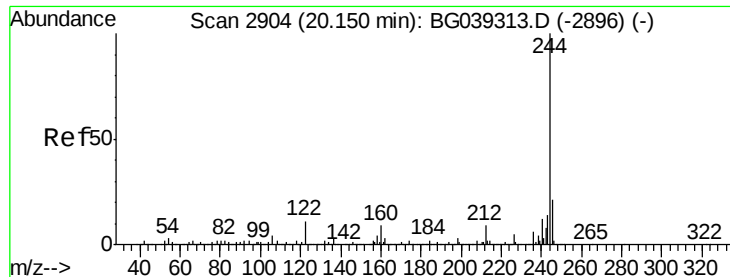
#77
Benzidine
Concen: 2.18 ng
RT: 20.14 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039403.D
Acq: 8 Feb 2019 5:28

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.3	12.2	18.2#
183	9.3	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: 86.62 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Instrument :

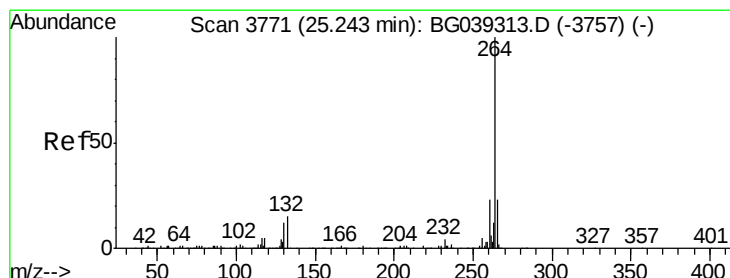
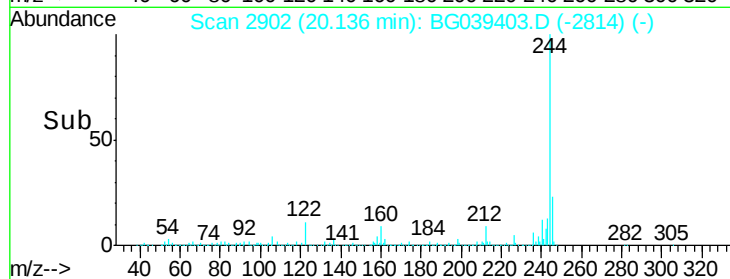
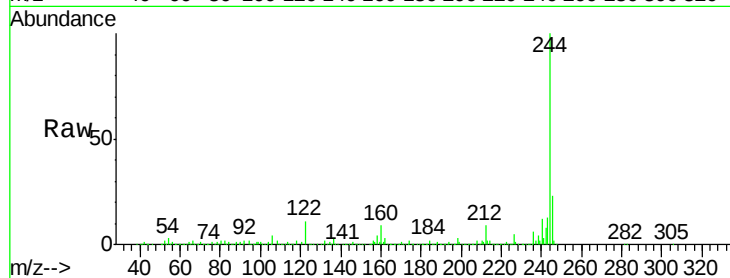
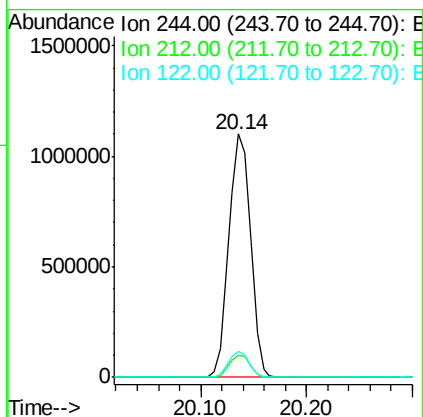
BNA_G

ClientSampled :

M-6

Tot Ion:244 Resp: 1557487

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.3	10.9
122	10.5	8.4	12.6



#87

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039403.D

Acq: 8 Feb 2019 5:28

Tgt Ion:264 Resp: 361636

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	21.3	18.5	27.7

