

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040319\
 Data File : BG040339.D
 Acq On : 3 Apr 2019 23:49
 Operator : JU/SJ
 Sample : K1695-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

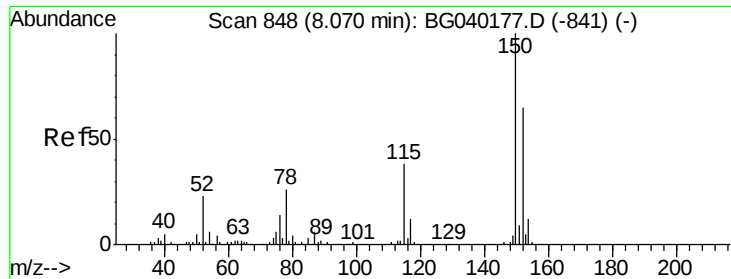
Quant Time: Apr 04 01:26:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	72654	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	289896	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	167996	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	421470	20.00	ng	-0.02
76) Chrysene-d12	21.69	240	470839	20.00	ng	-0.04
87) Perylene-d12	24.98	264	492365	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	263962	60.40	ng	-0.01
7) Phenol-d6	7.20	99	222512	36.84	ng	-0.02
23) Nitrobenzene-d5	9.22	82	435903	79.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	277581	152.89	ng	-0.02
45) 2-Fluorobiphenyl	13.30	172	979261	86.37	ng	-0.02
79) Terphenyl-d14	20.03	244	1583628	75.67	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.15	117	17972	8.530	ng	# 41
19) n-Nitroso-di-n-propylamine	9.22	70	56609	13.072	ng	# 73
22) Acetophenone	8.88	105	99810	13.802	ng	# 97
24) Nitrobenzene	9.15	77	186588	33.038	ng	# 47
47) 2-Chloronaphthalene	13.99	162	32659	3.208	ng	# 41
50) Dimethylphthalate	14.44	163	856912	65.174	ng	# 92
51) 2,6-Dinitrotoluene	14.19	165	13181	4.465	ng	# 47
52) Acenaphthene	14.74	154	66291	6.701	ng	92
55) Dibenzofuran	15.08	168	45232	2.846	ng	97
58) Fluorene	15.72	166	38592	3.088	ng	95
67) 4-Bromophenyl-phenylether	16.17	248	21305	4.492	ng	# 1

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

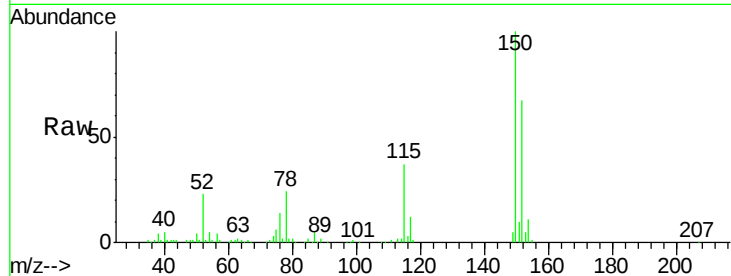


#1

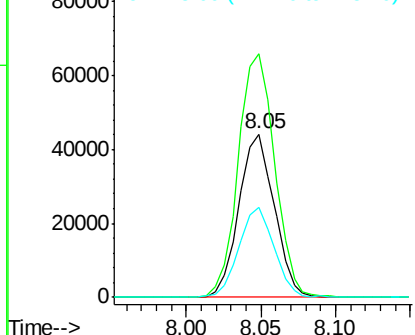
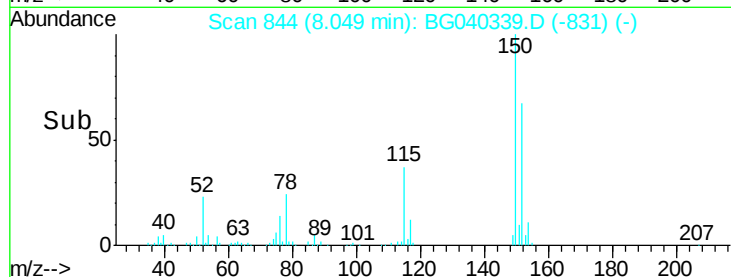
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.02 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 72654
Ion Ratio Lower Upper
152 100
150 148.9 123.7 185.5
115 54.9 46.9 70.3



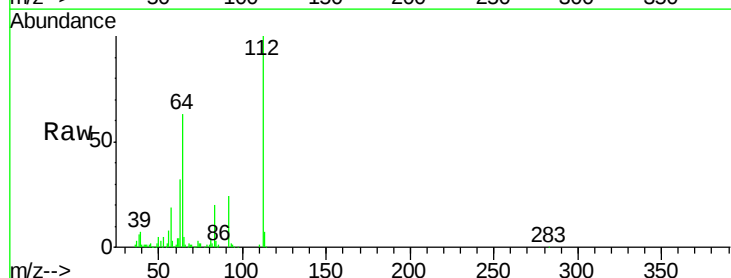
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



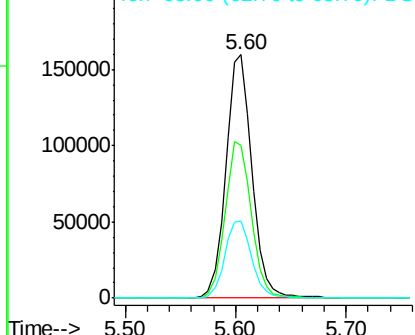
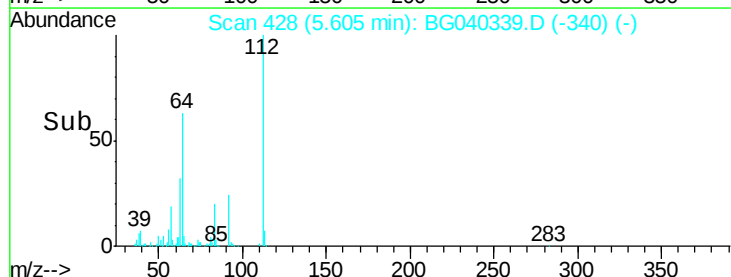
#5

2-Fluorophenol
Concen: 60.398 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.01 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Tgt Ion:112 Resp: 263962
Ion Ratio Lower Upper
112 100
64 62.6 54.2 81.2
63 32.0 26.4 39.6



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: 36.840 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

Instrument :

BNA_G

ClientSampleId :

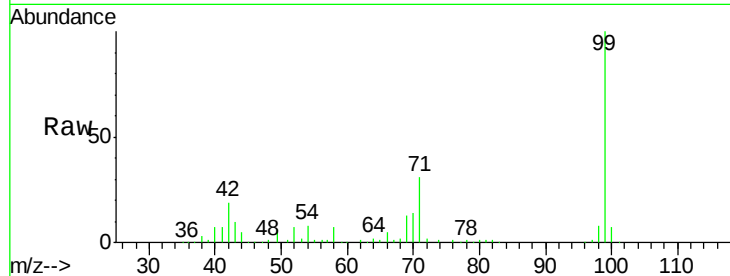
Tot Ion: 99 Resp: 222512

Ion Ratio Lower Upper

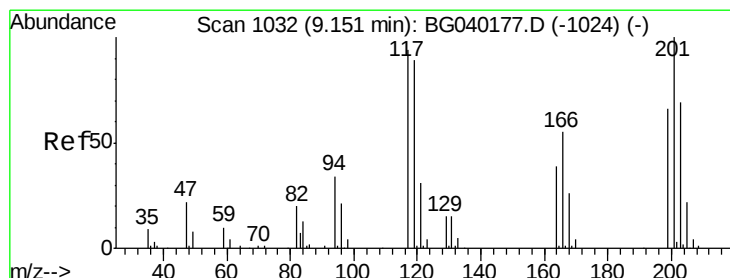
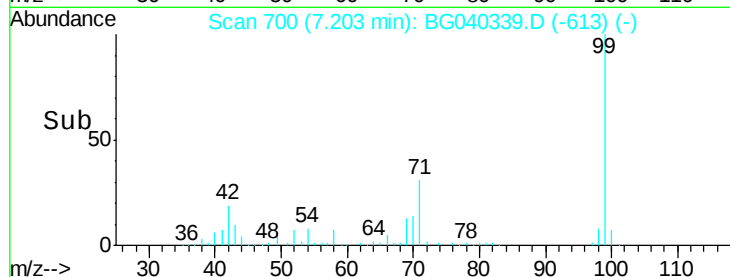
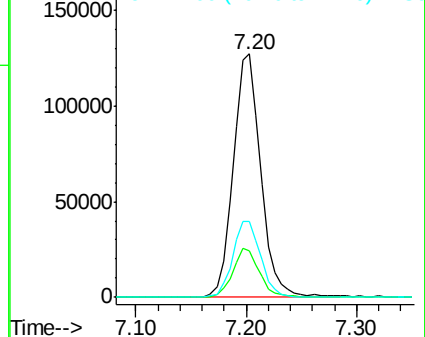
99 100

42 19.0 16.2 24.2

71 31.1 26.8 40.2



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



#18

Hexachloroethane

Concen: 8.530 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

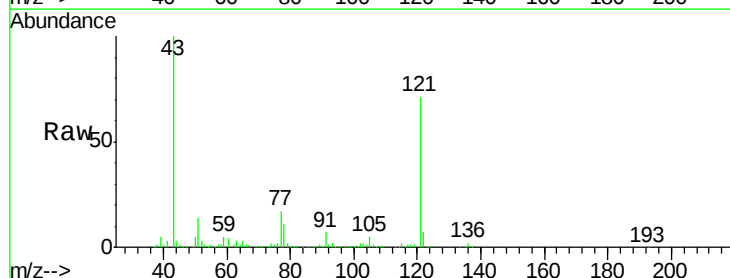
Tgt Ion: 117 Resp: 17972

Ion Ratio Lower Upper

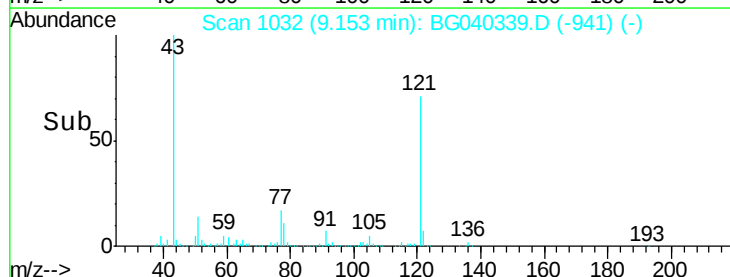
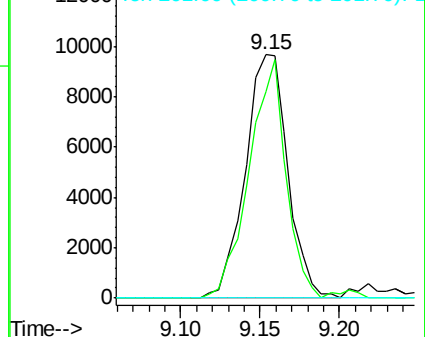
117 100

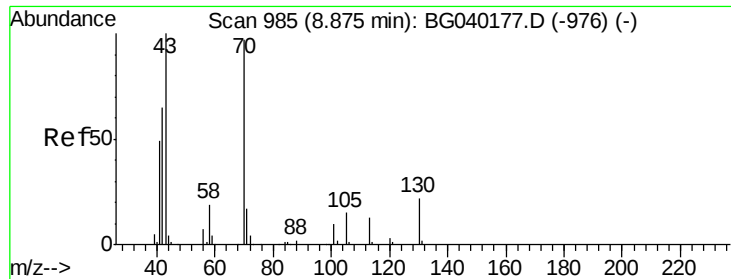
119 84.8 76.6 115.0

201 0.0 85.0 127.4#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

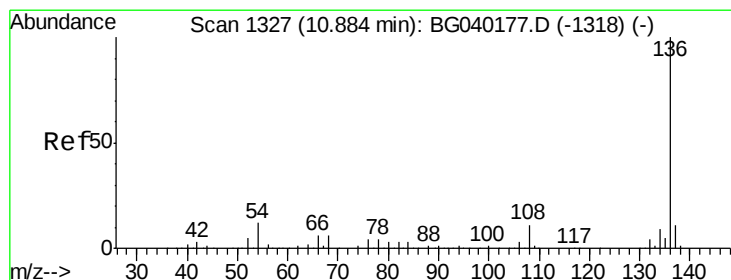
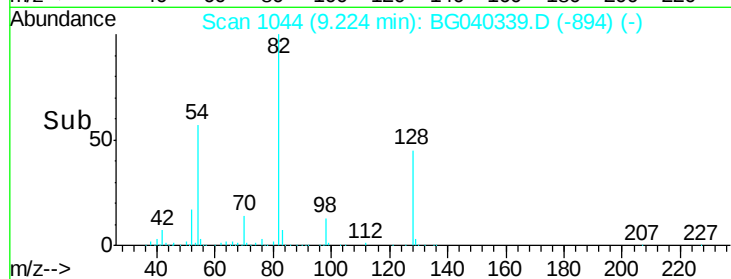
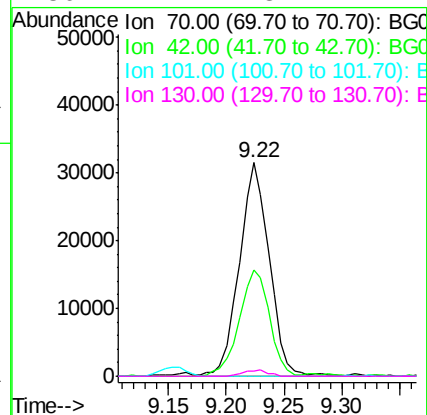
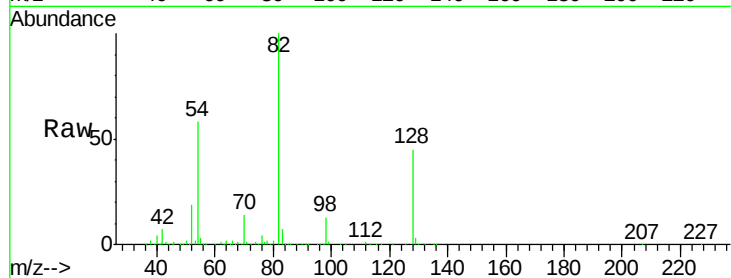




#19
n-Nitroso-di-n-propylamine
Concen: 13.072 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.35 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

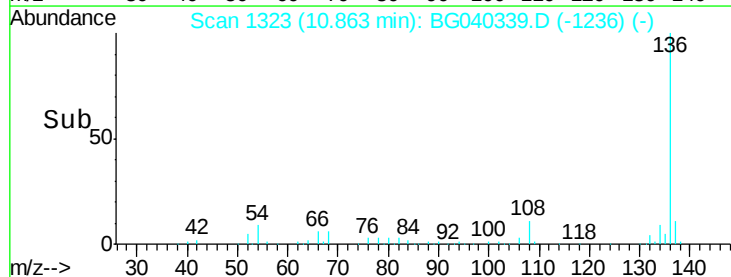
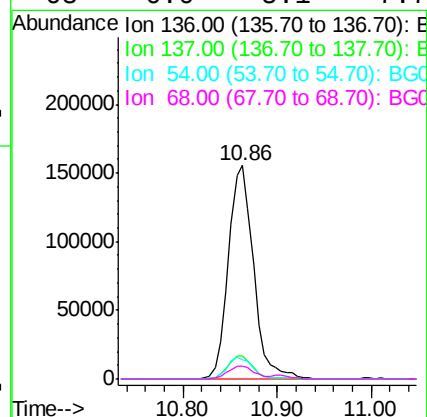
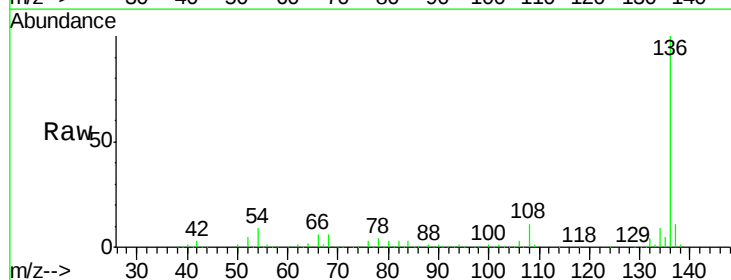
Instrument :
BNA_G
ClientSampled :

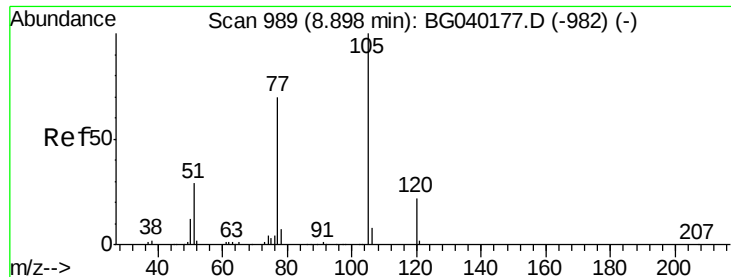
Tot Ion: 70 Resp: 56609
Ion Ratio Lower Upper
70 100
42 49.9 54.0 81.0#
101 0.0 8.6 13.0#
130 2.4 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Tgt Ion:136 Resp: 289896
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.1 9.6 14.4#
68 6.0 5.1 7.7





#22

Acetophenone

Concen: 13.802 ng

RT: 8.88 min Scan# 985

Delta R.T. -0.02 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 99810

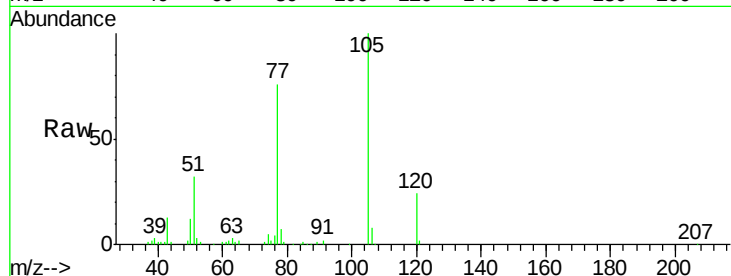
Ion Ratio Lower Upper

105 100

71 0.0 0.6 1.0#

51 32.3 25.1 37.7

120 24.0 17.6 26.4

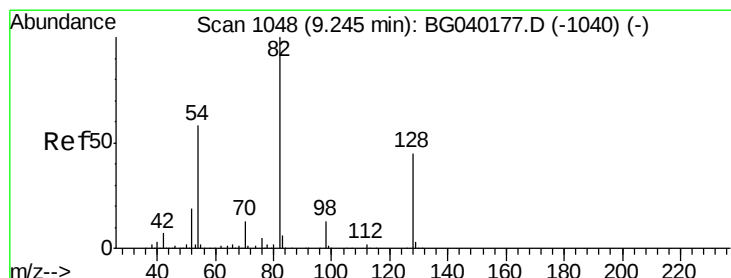
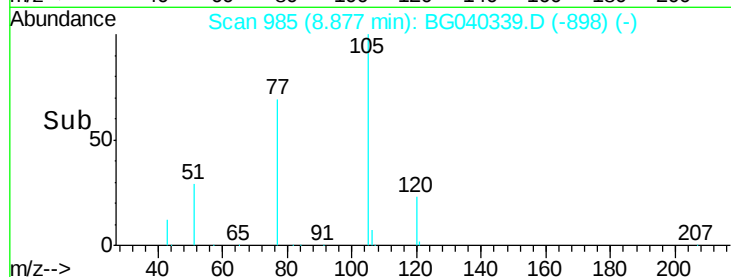
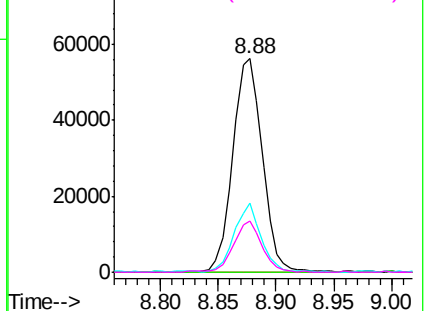


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 79.924 ng

RT: 9.22 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

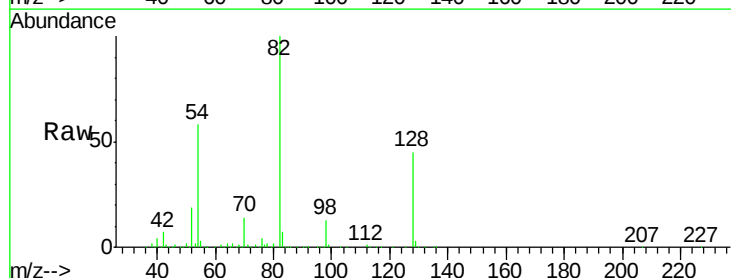
Tgt Ion: 82 Resp: 435903

Ion Ratio Lower Upper

82 100

128 45.3 35.8 53.8

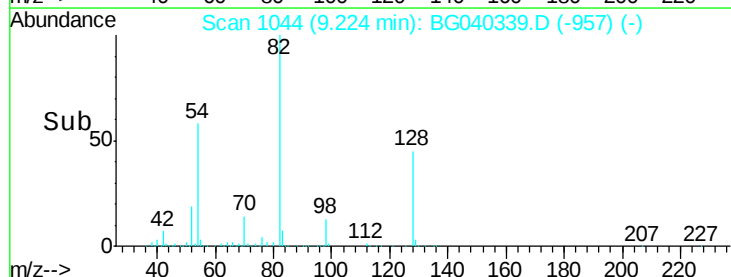
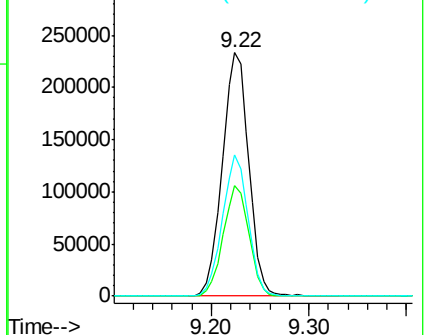
54 58.0 46.2 69.2

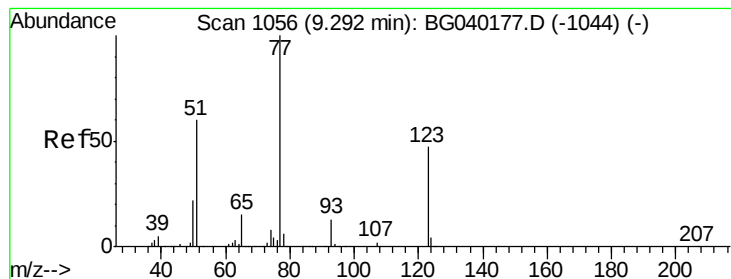


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 33.038 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.14 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

Instrument :

BNA_G

ClientSampleId :

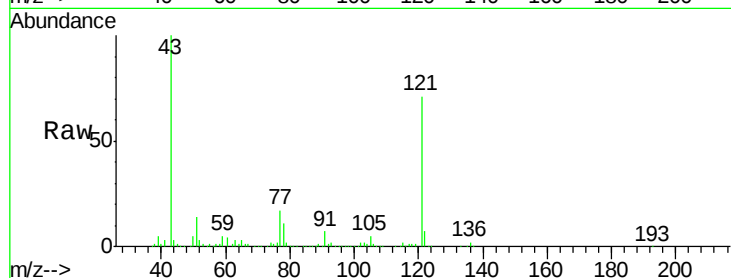
Tot Ion: 77 Resp: 186588

Ion Ratio Lower Upper

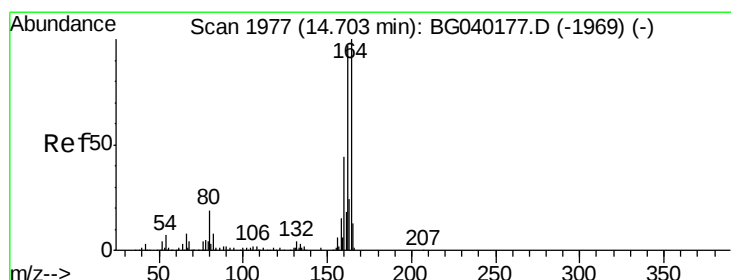
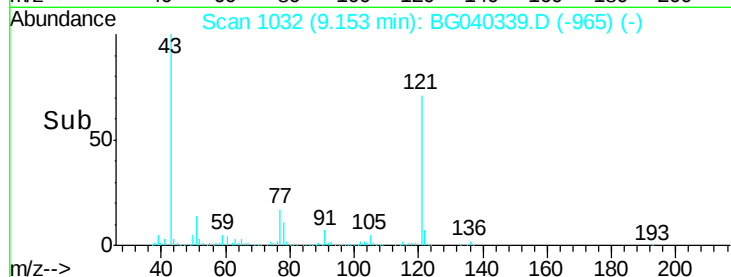
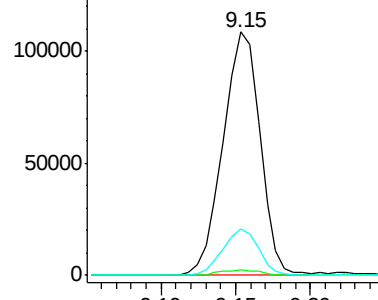
77 100

123 2.5 37.8 56.6#

65 19.1 12.0 18.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.02 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

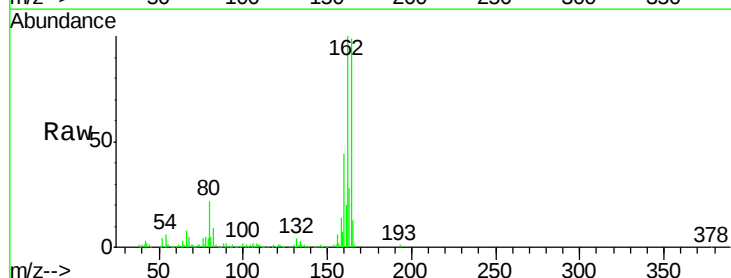
Tgt Ion: 164 Resp: 167996

Ion Ratio Lower Upper

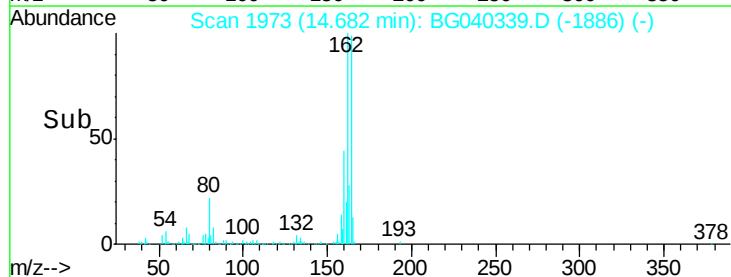
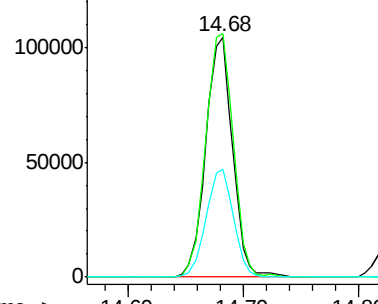
164 100

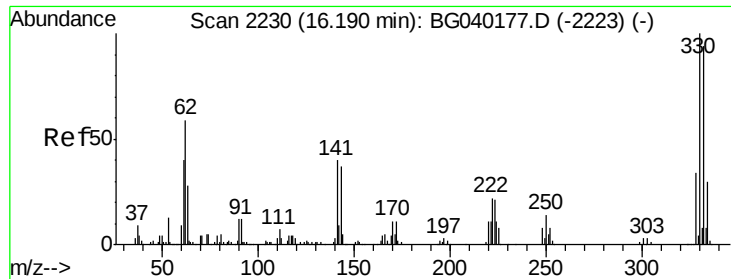
162 101.4 77.4 116.2

160 44.8 35.3 52.9



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

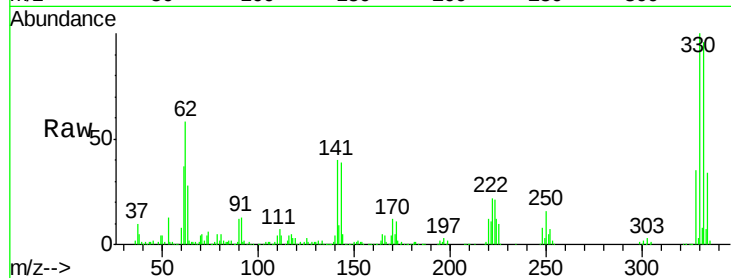




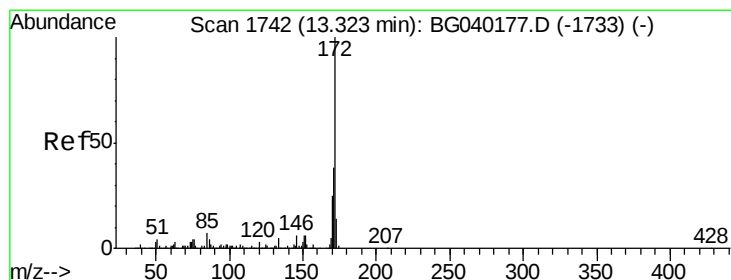
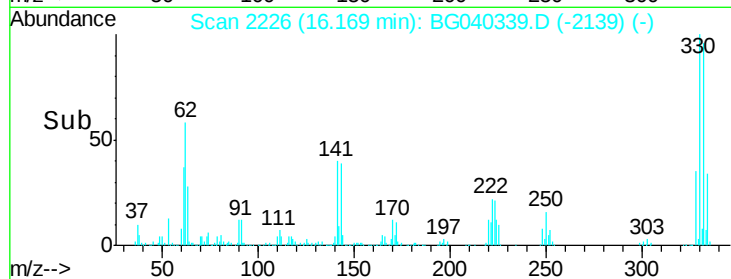
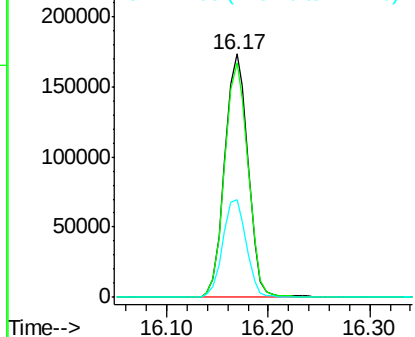
#42
 2,4,6-Tribromophenol
 Concen: 152.887 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.02 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	40.5	32.6	48.8

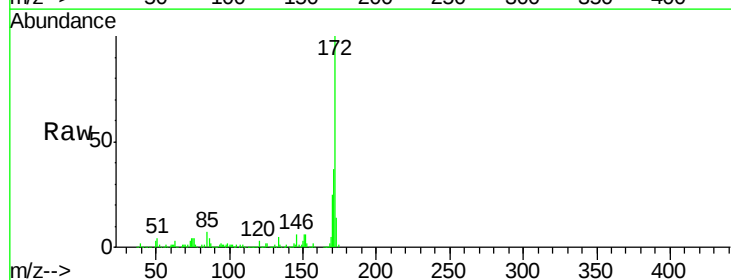


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

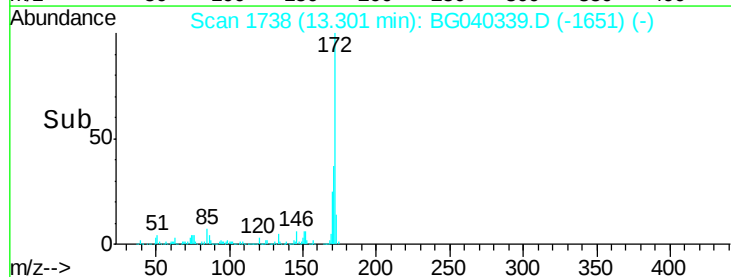
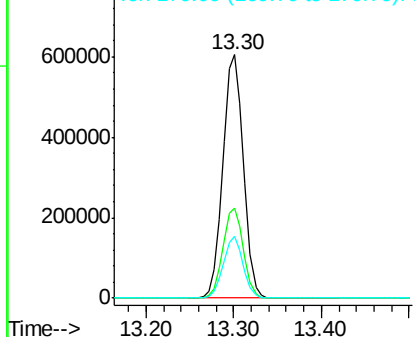


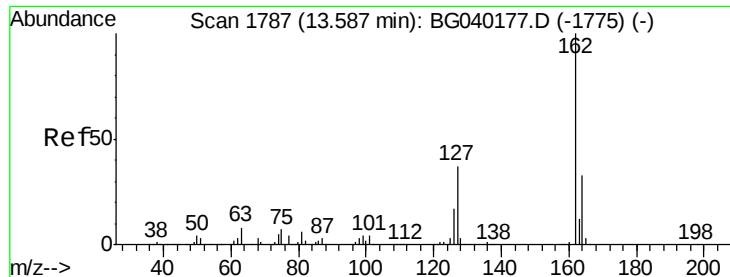
#45
 2-Fluorobiphenyl
 Concen: 86.373 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.5	45.7
170	25.4	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

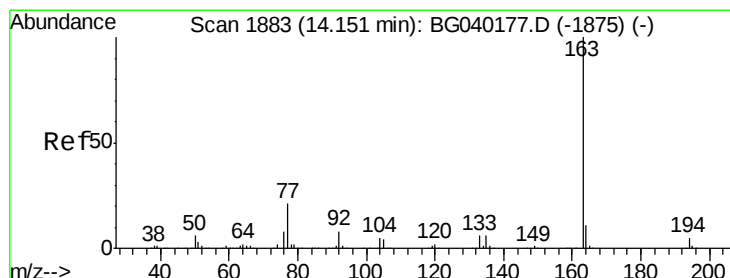
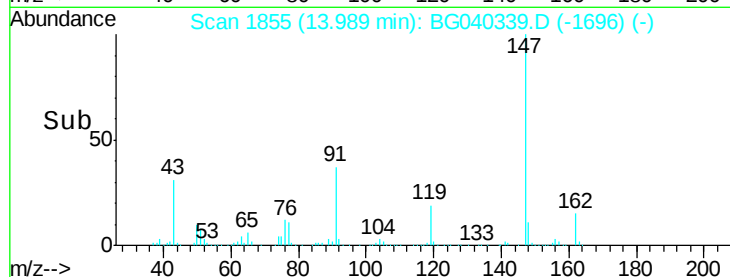
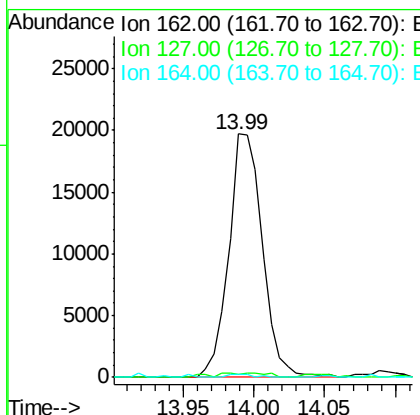
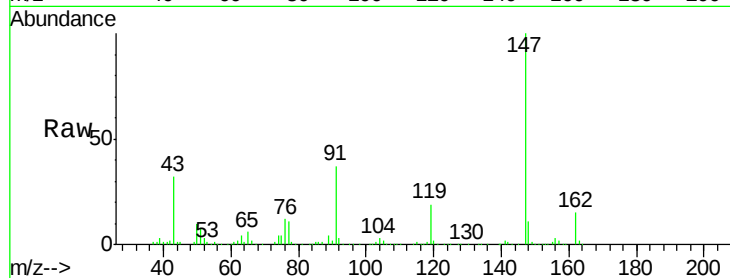




#47
 2-Chloronaphthalene
 Concen: 3.208 ng
 RT: 13.99 min Scan# 1855
 Delta R.T. 0.40 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

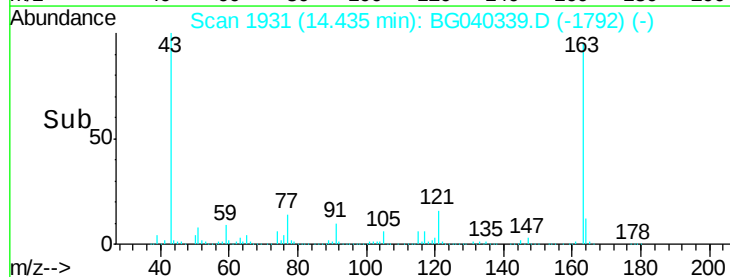
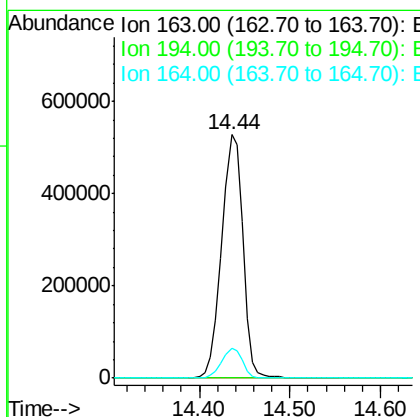
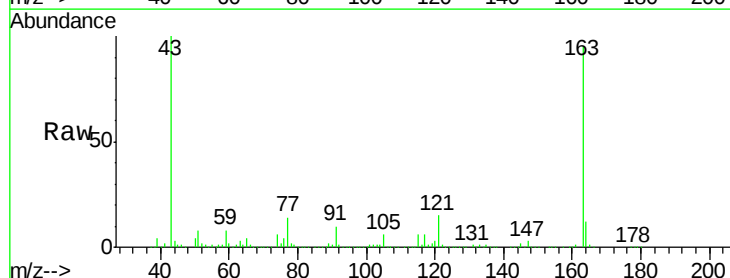
Instrument :
 BNA_G
 ClientSampleId :

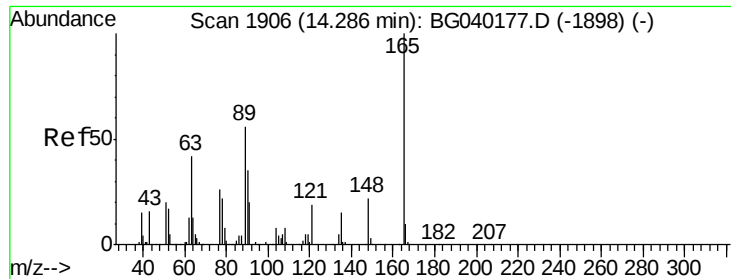
Tot Ion:162 Resp: 32659
 Ion Ratio Lower Upper
 162 100
 127 1.2 30.6 45.8#
 164 1.3 26.2 39.4#



#50
 Dimethylphthalate
 Concen: 65.174 ng
 RT: 14.44 min Scan# 1931
 Delta R.T. 0.28 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

Tgt Ion:163 Resp: 856912
 Ion Ratio Lower Upper
 163 100
 194 0.0 4.1 6.1#
 164 12.2 8.6 13.0





#51

2,6-Dinitrotoluene

Concen: 4.465 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.09 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

Instrument :

BNA_G

ClientSampleId :

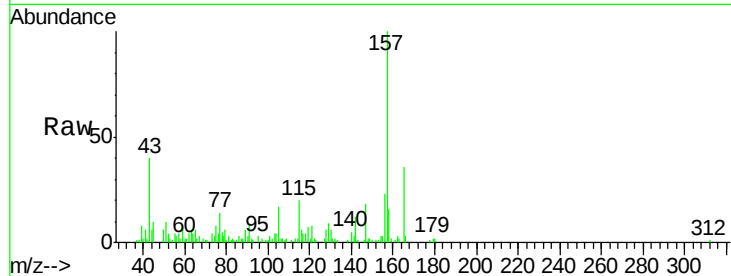
Tot Ion:165 Resp: 13181

Ion Ratio Lower Upper

165 100

63 16.9 44.1 66.1#

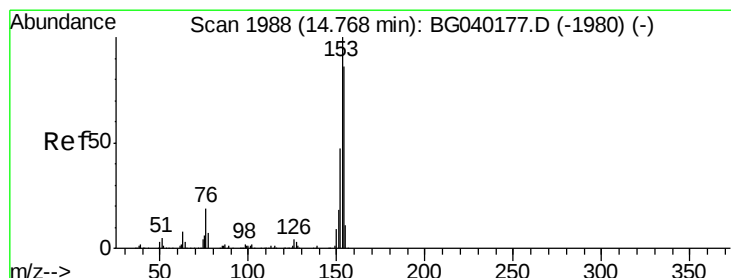
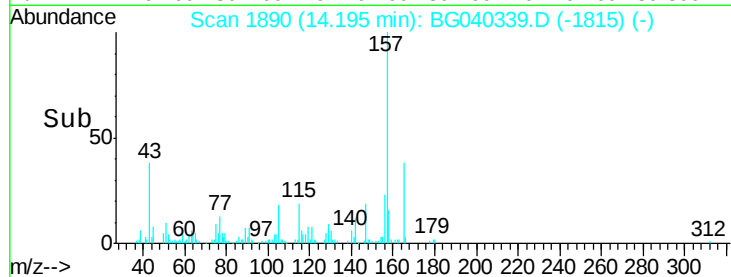
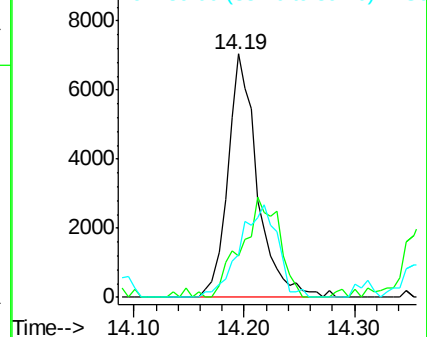
89 17.8 44.9 67.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): B

Ion 89.00 (88.70 to 89.70): B



#52

Acenaphthene

Concen: 6.701 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.03 min

Lab File: BG040339.D

Acq: 3 Apr 2019 23:49

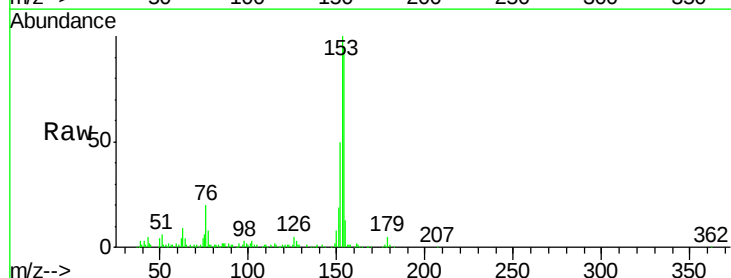
Tgt Ion:154 Resp: 66291

Ion Ratio Lower Upper

154 100

153 104.9 92.8 139.2

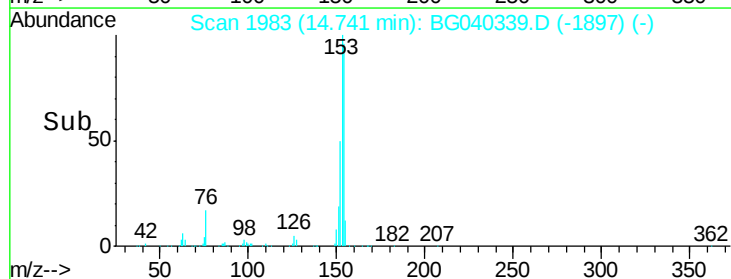
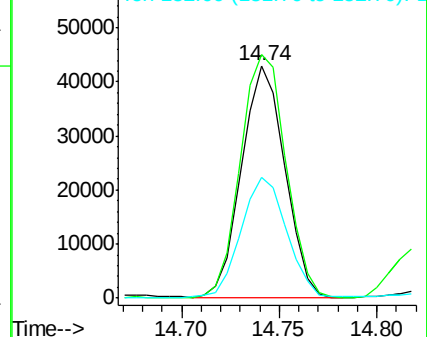
152 52.0 43.4 65.2

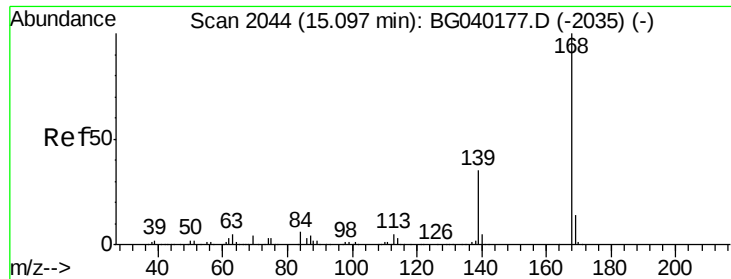


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

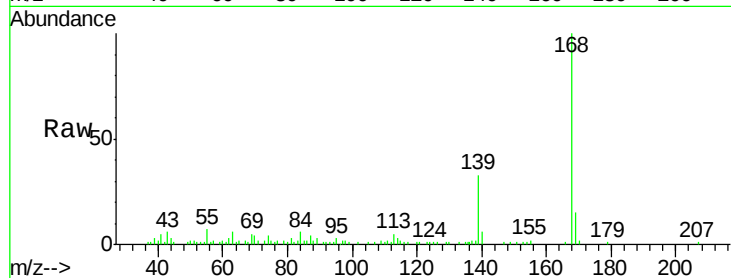




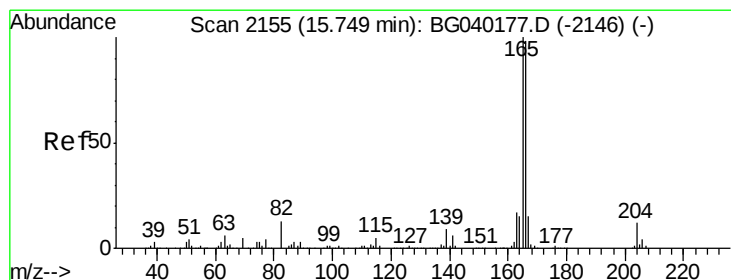
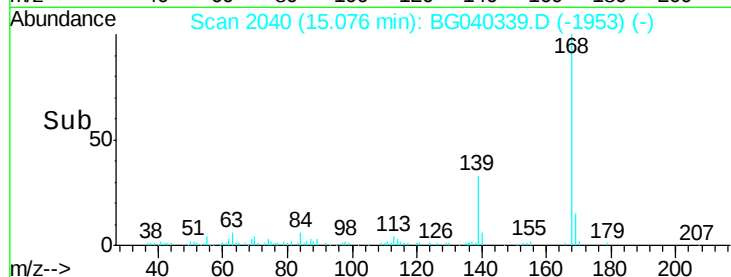
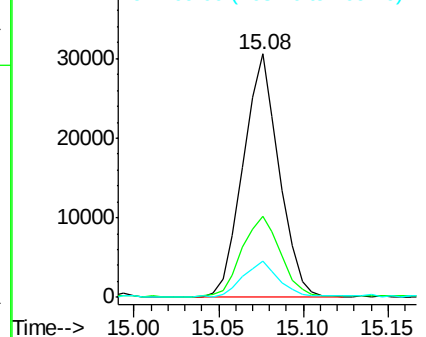
#55
Dibenzenofuran
Concen: 2.846 ng
RT: 15.08 min Scan# 2040
Delta R.T. -0.02 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:168 Resp: 45232
Ion Ratio Lower Upper
168 100
139 33.3 27.9 41.9
169 14.9 11.3 16.9

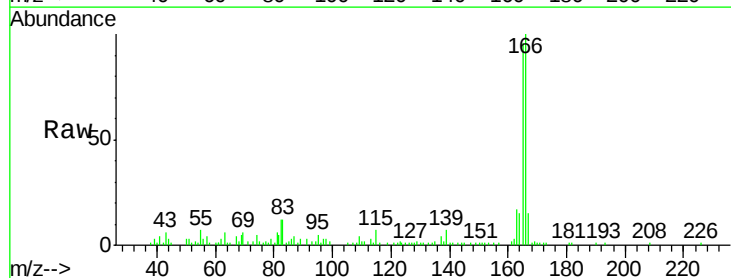


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

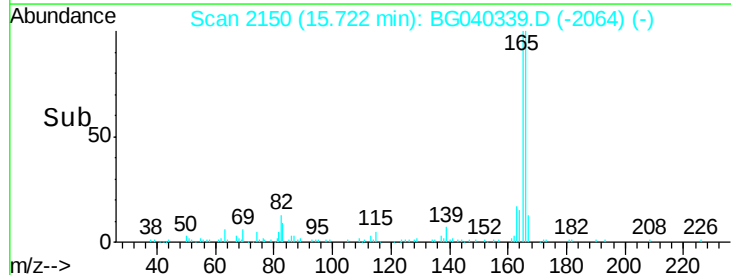
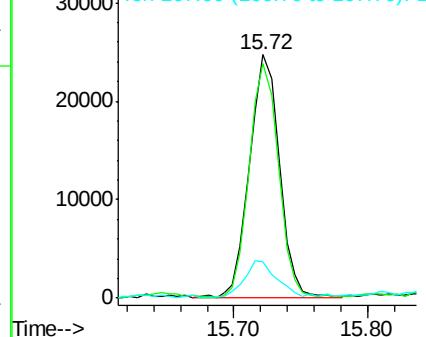


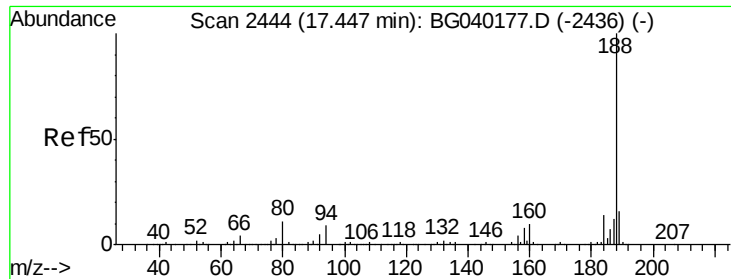
#58
Fluorene
Concen: 3.088 ng
RT: 15.72 min Scan# 2150
Delta R.T. -0.03 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Tgt Ion:166 Resp: 38592
Ion Ratio Lower Upper
166 100
165 96.2 81.7 122.5
167 14.7 11.9 17.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

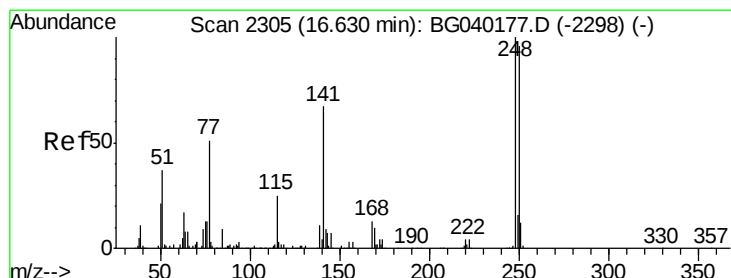
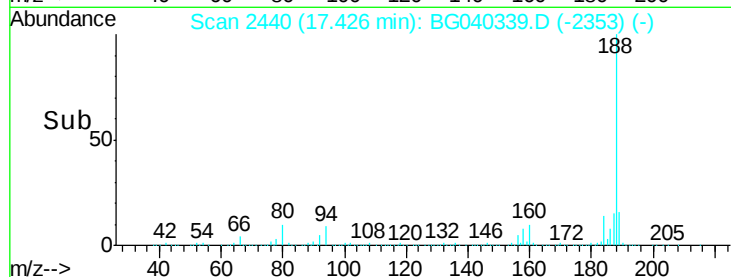
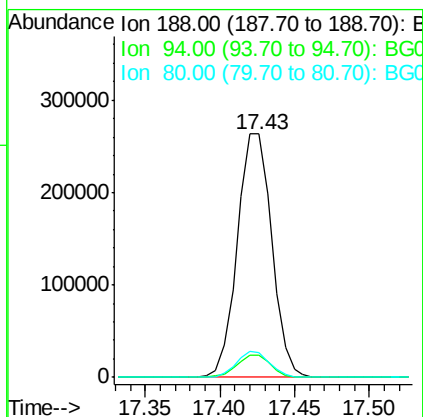
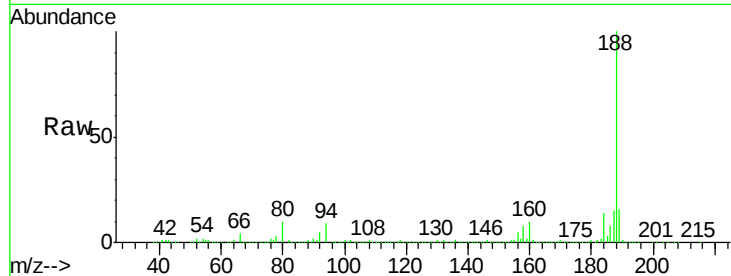




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

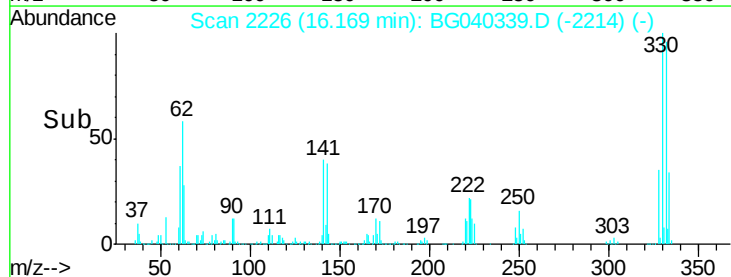
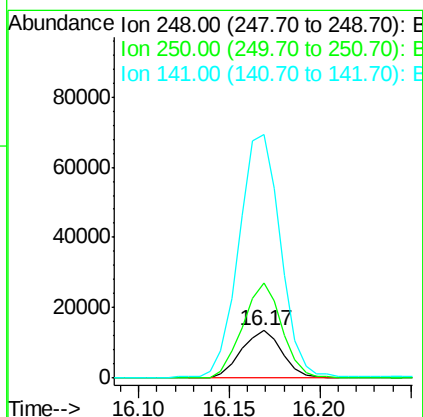
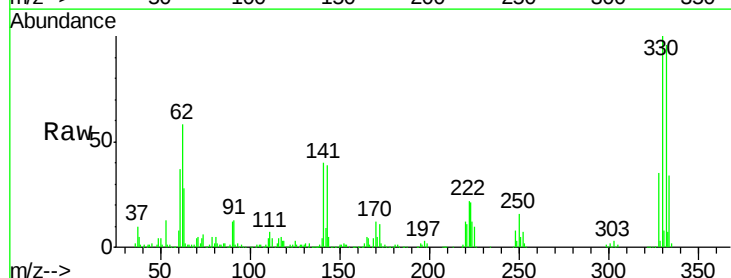
Instrument :
BNA_G
ClientSampleId :

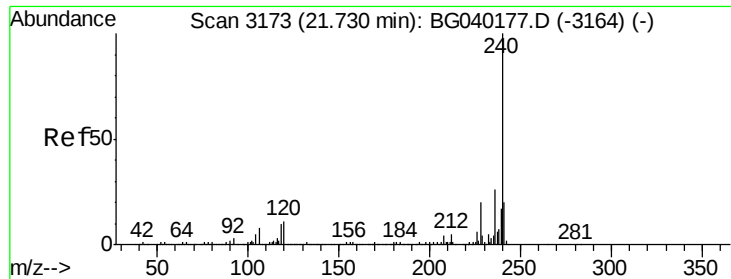
Tot Ion:188 Resp: 421470
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 10.0 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 4.492 ng
RT: 16.17 min Scan# 2226
Delta R.T. -0.46 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Tgt Ion:248 Resp: 21305
Ion Ratio Lower Upper
248 100
250 201.2 76.4 114.6#
141 516.0 53.8 80.8#

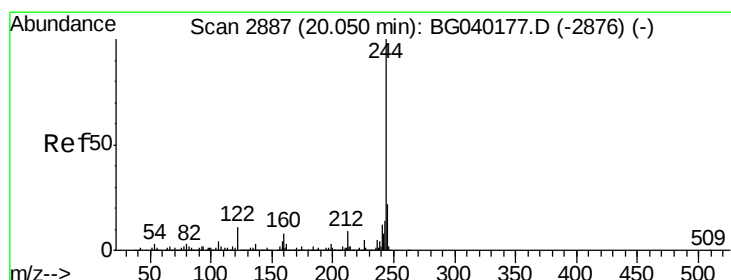
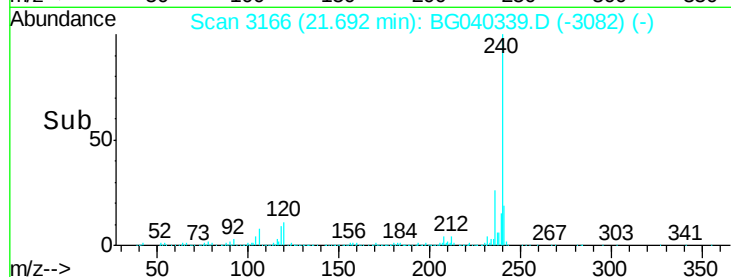
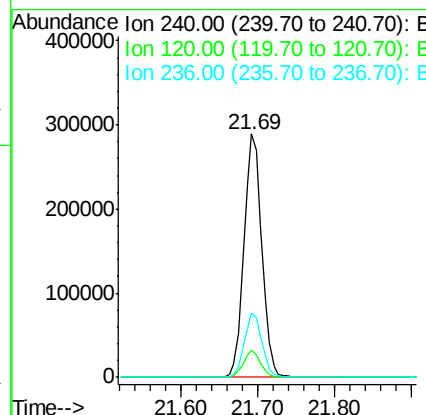
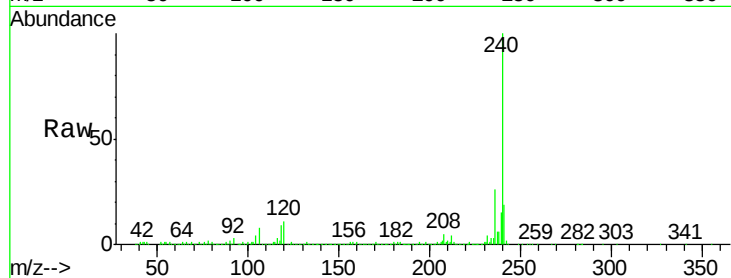




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.04 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

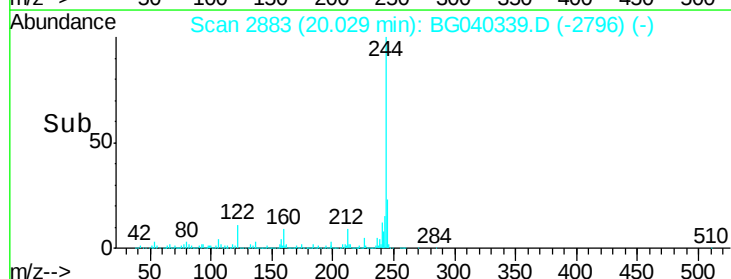
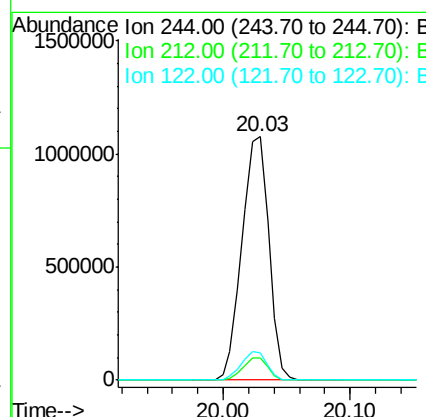
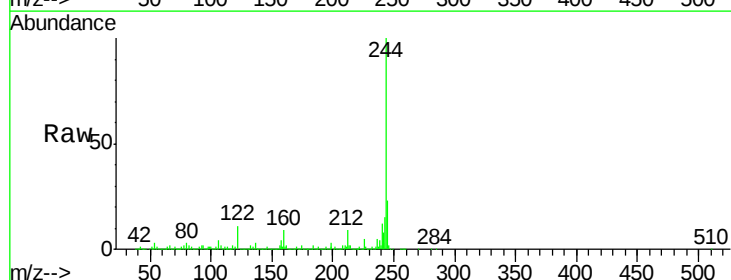
Instrument :
 BNA_G
 ClientSampleId :

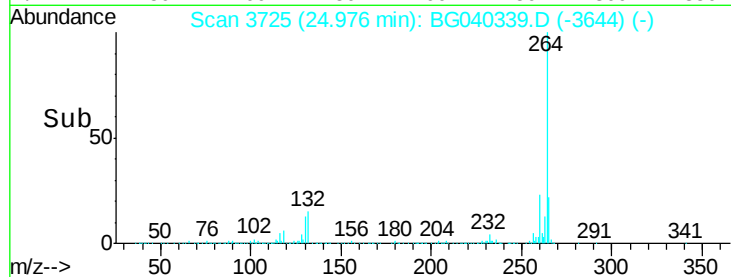
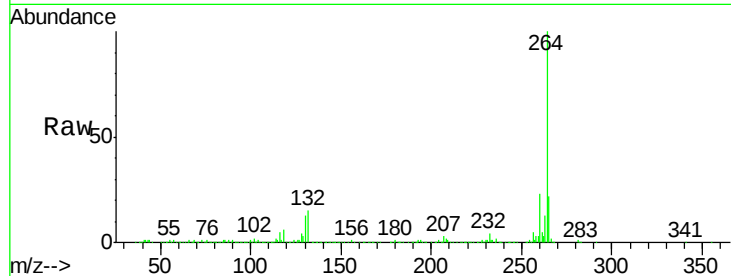
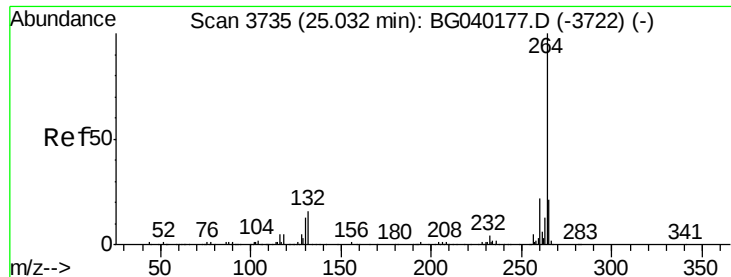
Tot Ion:240 Resp: 470839
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.4 12.6
 236 26.4 20.8 31.2



#79
 Terphenyl-d14
 Concen: 75.665 ng
 RT: 20.03 min Scan# 2883
 Delta R.T. -0.02 min
 Lab File: BG040339.D
 Acq: 3 Apr 2019 23:49

Tgt Ion:244 Resp: 1583628
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.0 10.6
 122 11.3 8.5 12.7





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.98 min Scan# 3725
Delta R.T. -0.06 min
Lab File: BG040339.D
Acq: 3 Apr 2019 23:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.9	26.9
265	22.1	16.8	25.2

