

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031819\
 Data File : BG039998.D
 Acq On : 19 Mar 2019 9:43
 Operator : JU/SJ
 Sample : K1687-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 19 11:16:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

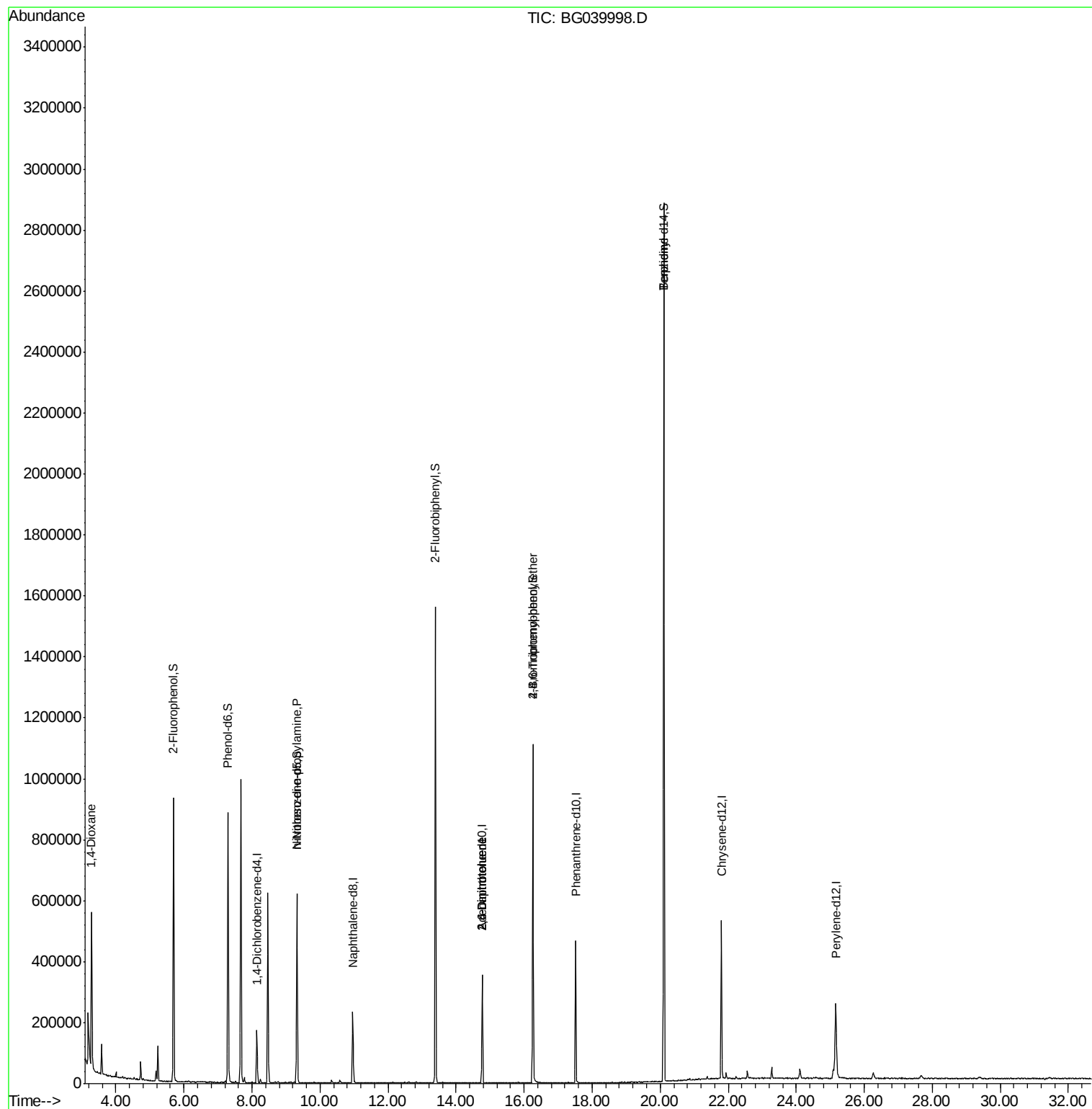
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	48526	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	193686	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	119888	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	288891	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	316802	20.00	ng	-0.03
87) Perylene-d12	25.16	264	298594	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	384867	135.31	ng	-0.01
7) Phenol-d6	7.29	99	493882	116.45	ng	-0.02
23) Nitrobenzene-d5	9.32	82	363088	101.39	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	198278	141.89	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	805430	95.66	ng	-0.02
79) Terphenyl-d14	20.11	244	1323708	92.00	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.28	88	4733	3.604	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	48096	15.755	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	15191	7.148	ng	# 25
57) 2,4-Dinitrotoluene	14.77	165	15191	5.087	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	14781	4.571	ng	# 1
77) Benzidine	20.11	184	24301	2.417	ng	# 94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Instrument :

BNA_G

ClientSampled :

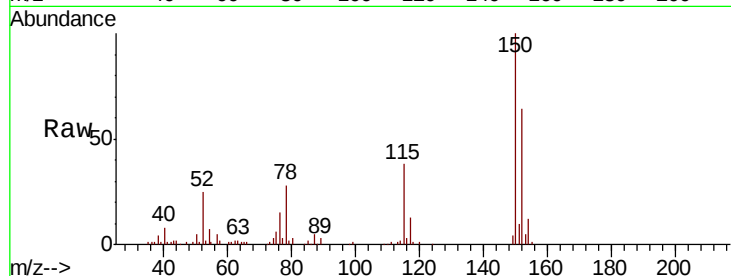
Tot Ion:152 Resp: 48526

Ion Ratio Lower Upper

152 100

150 155.1 123.7 185.5

115 58.8 45.9 68.9

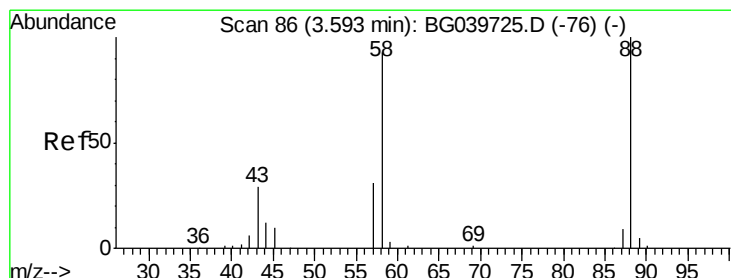
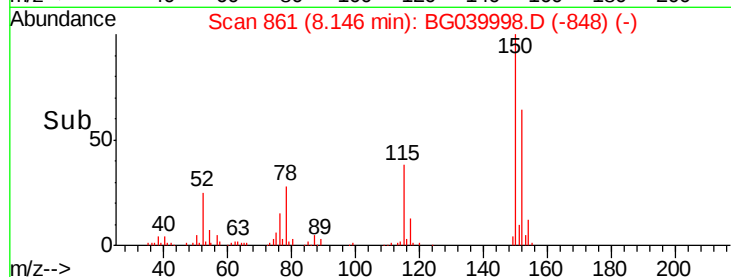
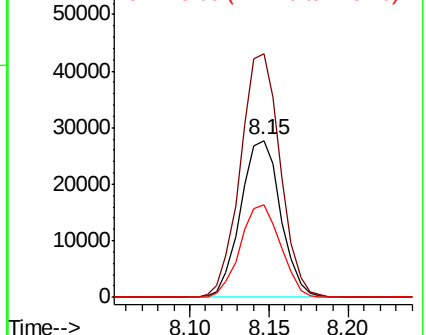


Abundance

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



#2

1,4-Dioxane

Concen: 3.604 ng

RT: 3.28 min Scan# 33

Delta R.T. -0.32 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

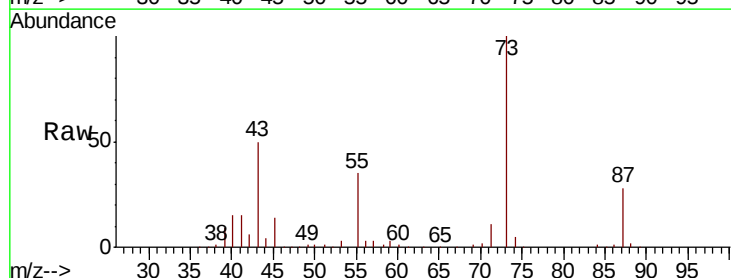
Tgt Ion: 88 Resp: 4733

Ion Ratio Lower Upper

88 100

58 44.8 81.1 121.7#

43 2801.4 31.4 47.0#

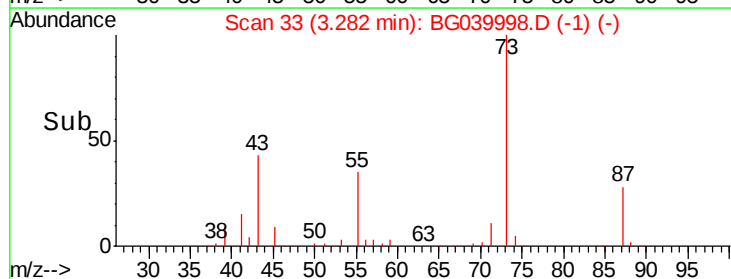
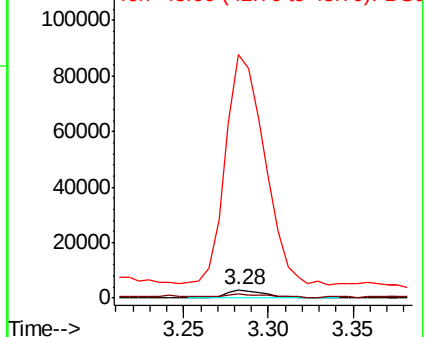


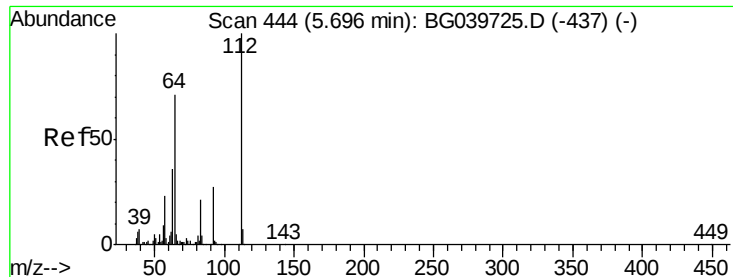
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 135.306 ng

RT: 5.70 min Scan# 444

Delta R.T. -0.01 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Instrument :

BNA_G

ClientSampleId :

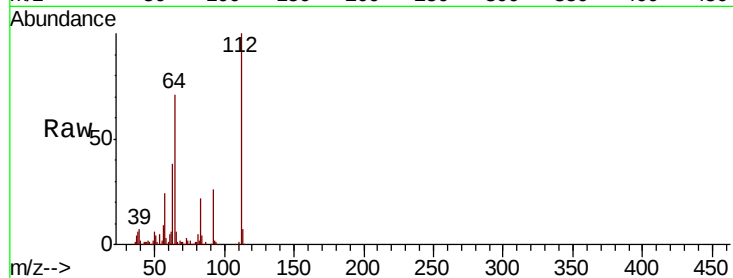
Tot Ion:112 Resp: 384867

Ion Ratio Lower Upper

112 100

64 71.2 57.8 86.8

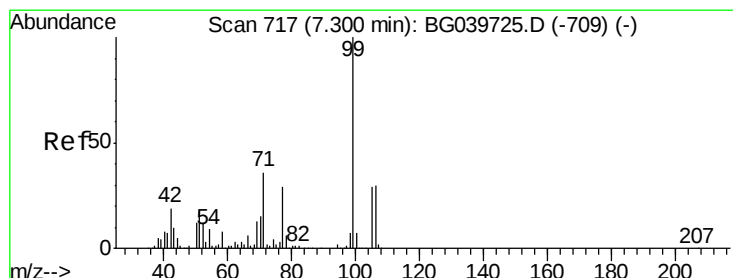
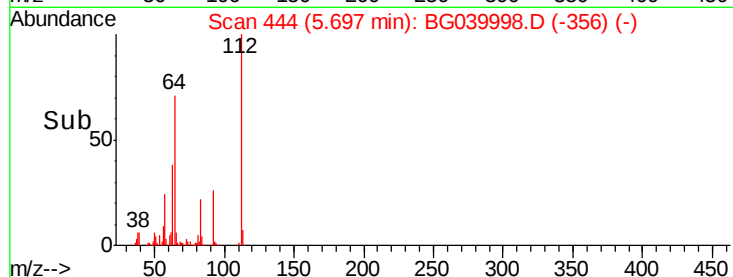
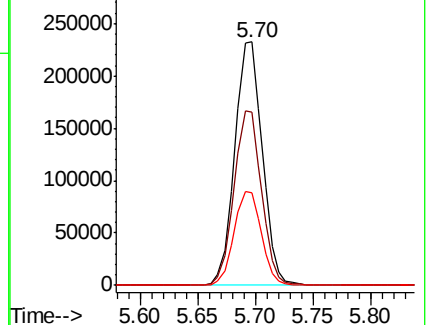
63 37.9 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 116.449 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

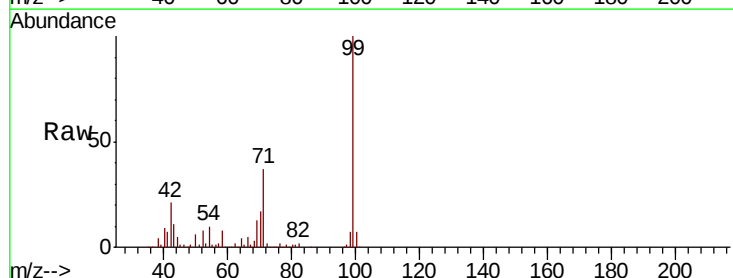
Tgt Ion: 99 Resp: 493882

Ion Ratio Lower Upper

99 100

42 21.0 18.2 27.2

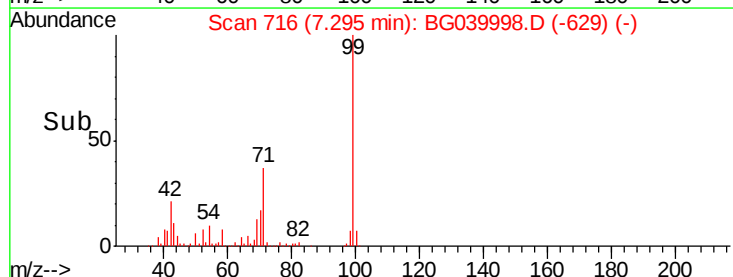
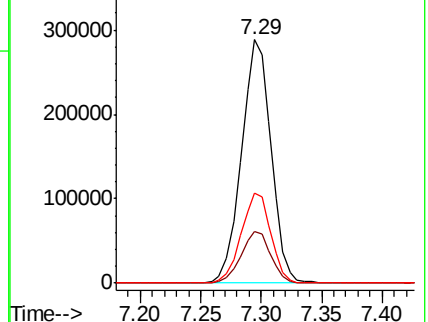
71 36.8 28.0 42.0

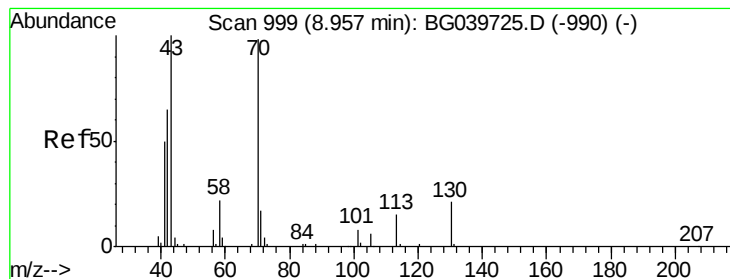


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.755 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 48096

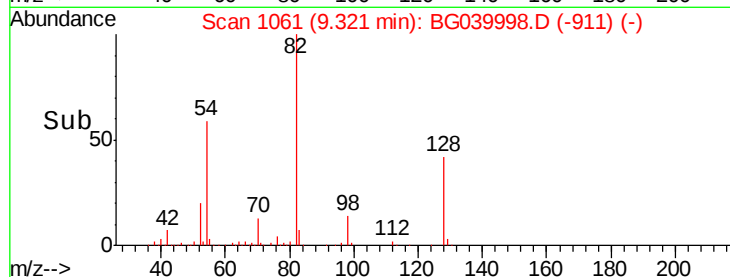
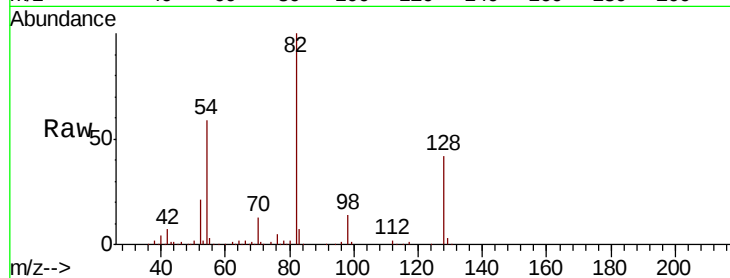
Ion Ratio Lower Upper

70 100

42 52.9 60.4 90.6#

101 0.0 7.5 11.3#

130 2.3 16.9 25.3#

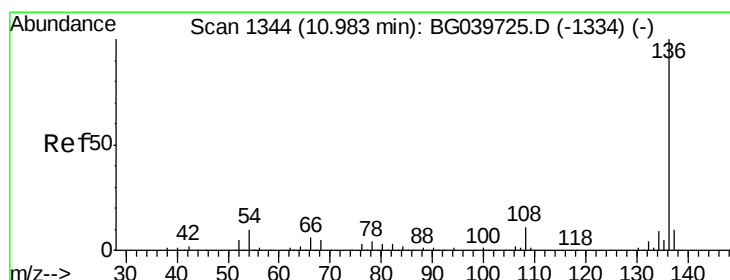
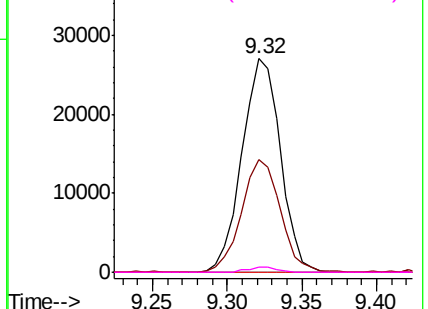


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Tgt Ion: 136 Resp: 193686

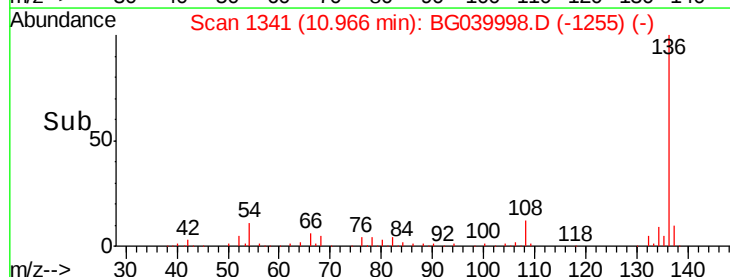
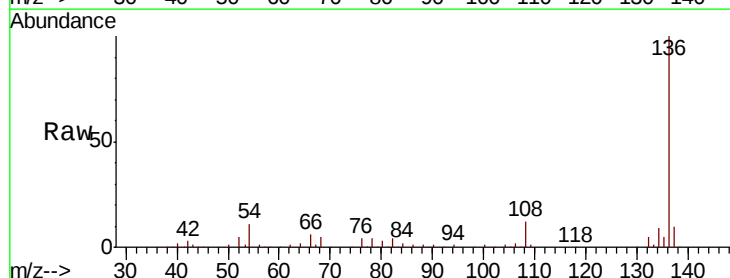
Ion Ratio Lower Upper

136 100

137 9.6 9.1 13.7

54 11.3 9.4 14.2

68 5.5 4.2 6.4

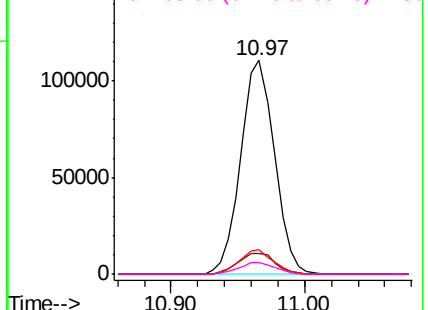


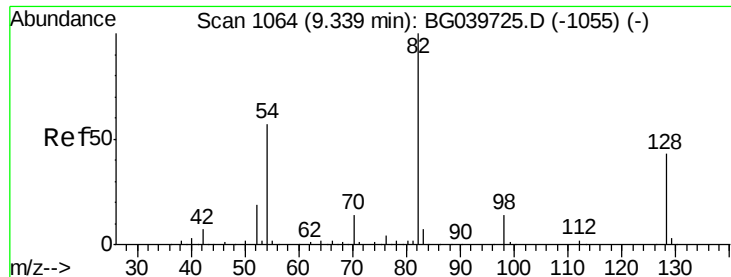
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

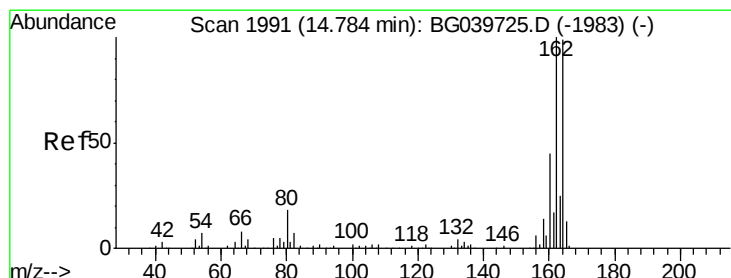
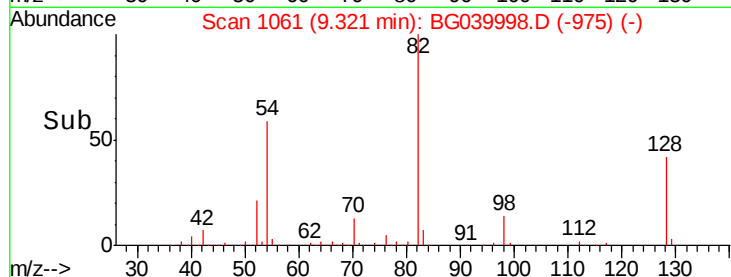
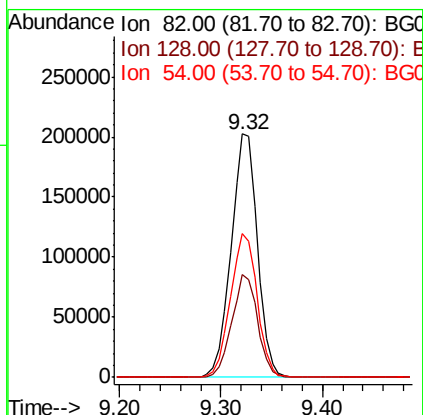
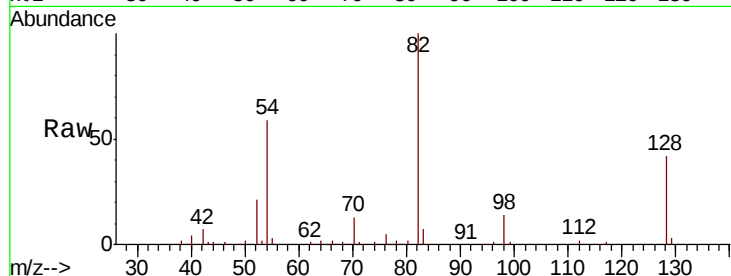




#23
 Nitrobenzene-d5
 Concen: 101.387 ng
 RT: 9.32 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

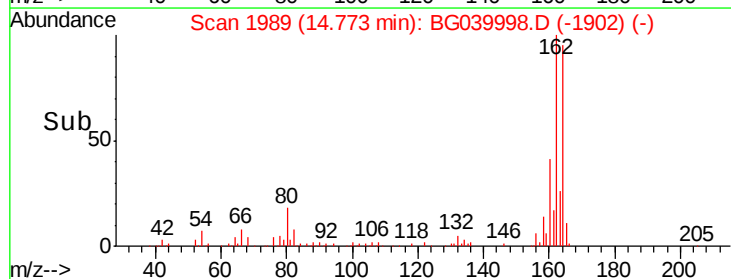
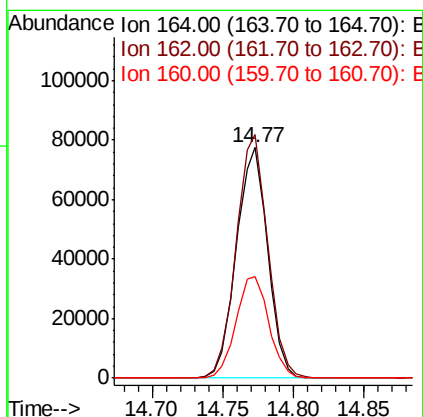
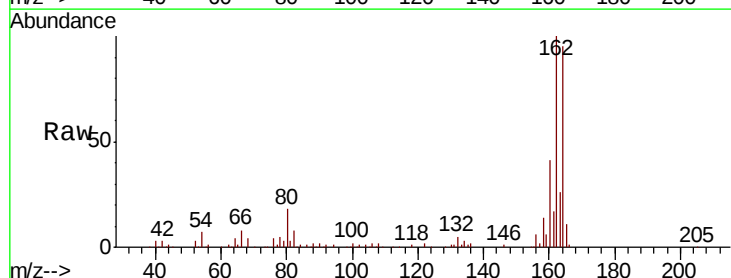
Instrument :
 BNA_G
 ClientSampled :

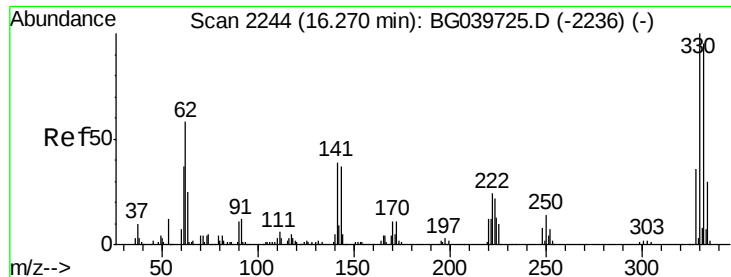
Tot Ion: 82 Resp: 363088
 Ion Ratio Lower Upper
 82 100
 128 42.3 31.3 46.9
 54 58.9 50.9 76.3



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Tgt Ion:164 Resp: 119888
 Ion Ratio Lower Upper
 164 100
 162 105.7 81.6 122.4
 160 43.8 34.2 51.2

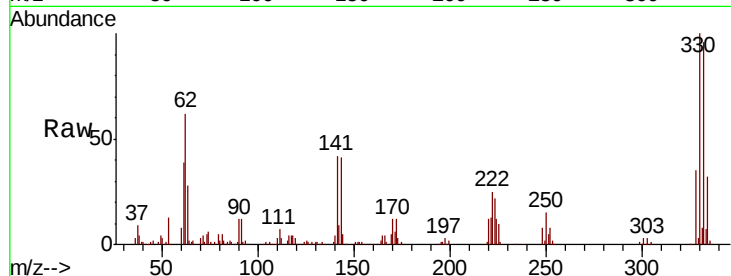




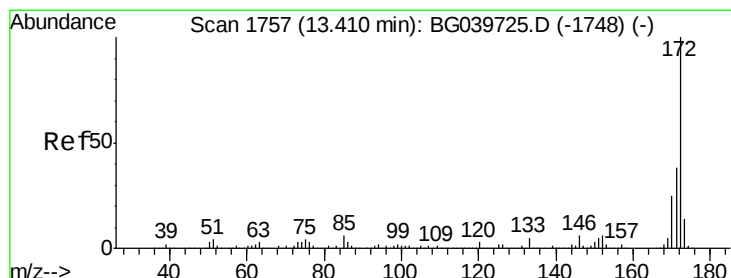
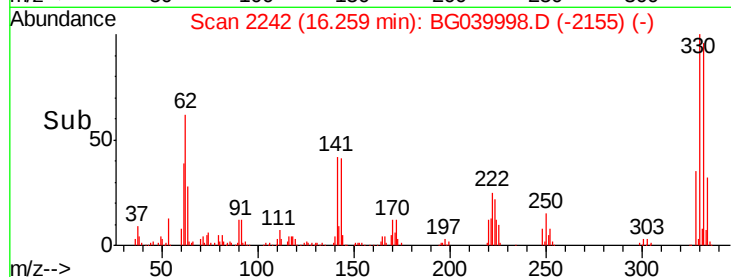
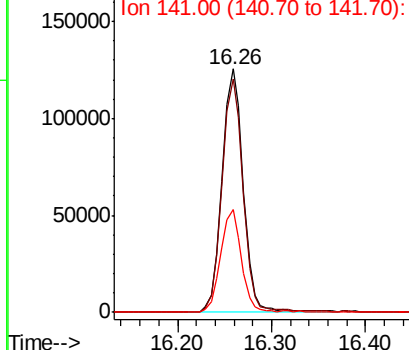
#42
 2,4,6-Tribromophenol
 Concen: 141.892 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 198278
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.7 113.5
 141 41.7 35.6 53.4

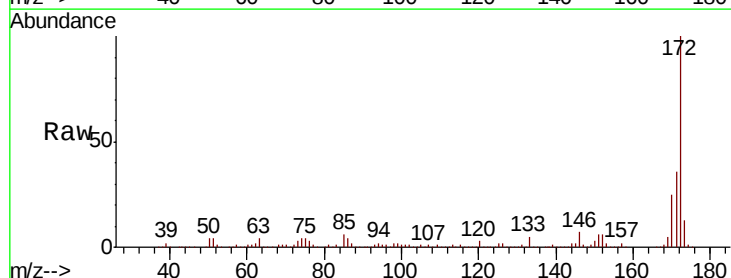


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

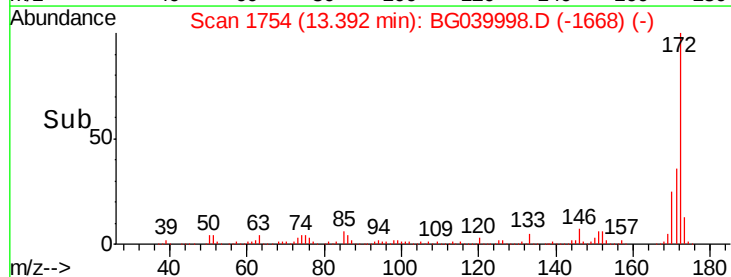
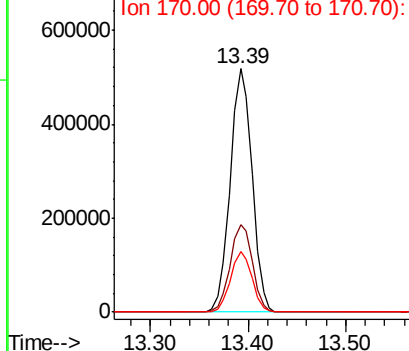


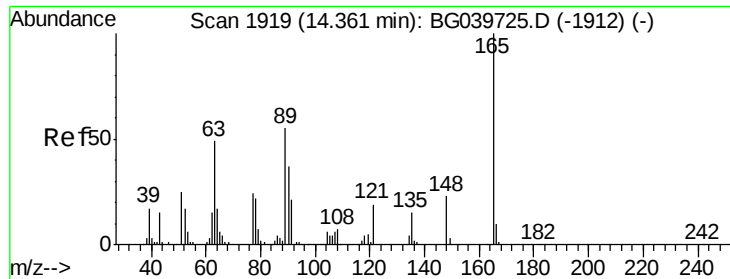
#45
 2-Fluorobiphenyl
 Concen: 95.656 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Tgt Ion:172 Resp: 805430
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.8 46.2
 170 24.8 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





#51

2,6-Dinitrotoluene

Concen: 7.148 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Instrument :

BNA_G

ClientSampleId :

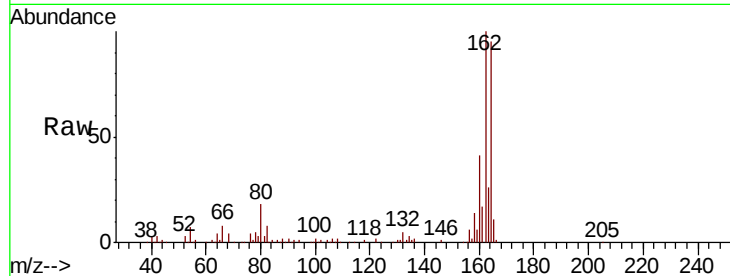
Tot Ion:165 Resp: 15191

Ion Ratio Lower Upper

165 100

63 1.9 47.0 70.6#

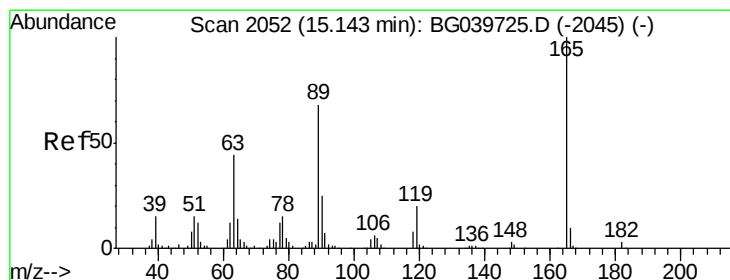
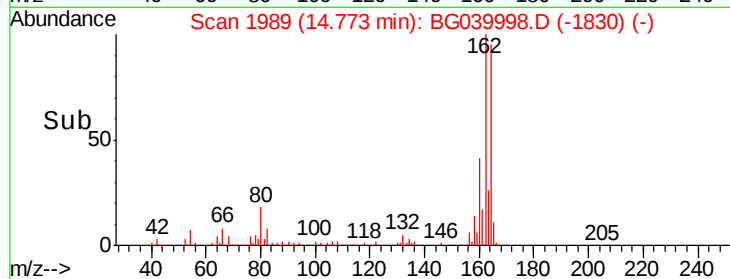
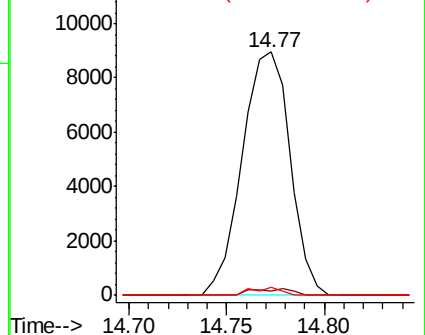
89 3.1 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.087 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Tgt Ion:165 Resp: 15191

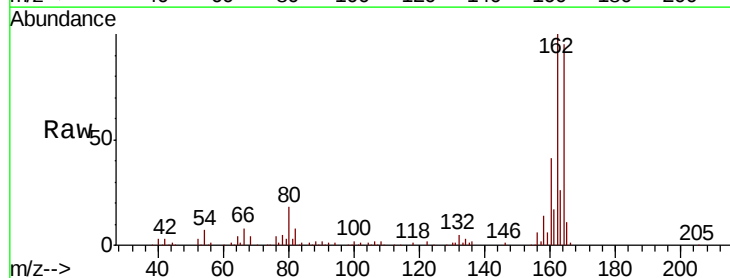
Ion Ratio Lower Upper

165 100

63 1.9 41.0 61.6#

89 3.1 64.6 96.8#

182 0.0 2.0 3.0#

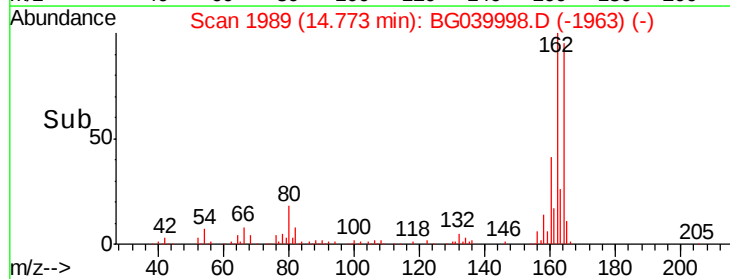
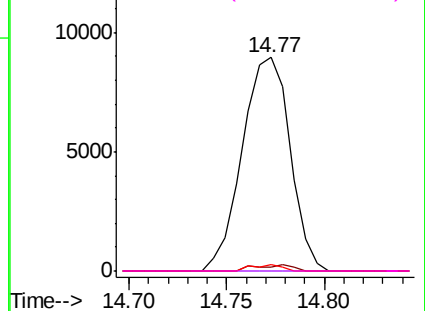


Abundance Ion 165.00 (164.70 to 165.70): E

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

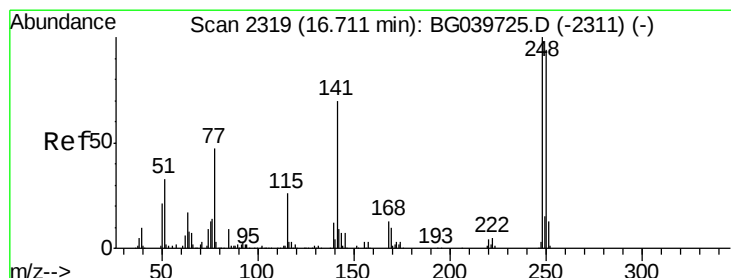
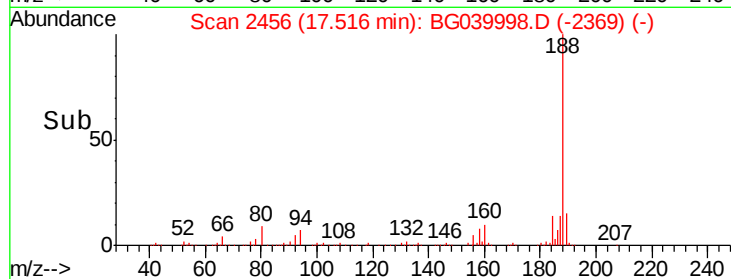
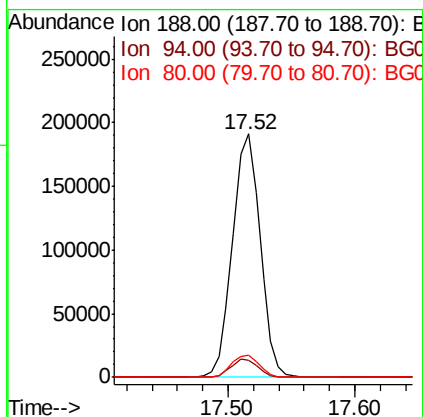
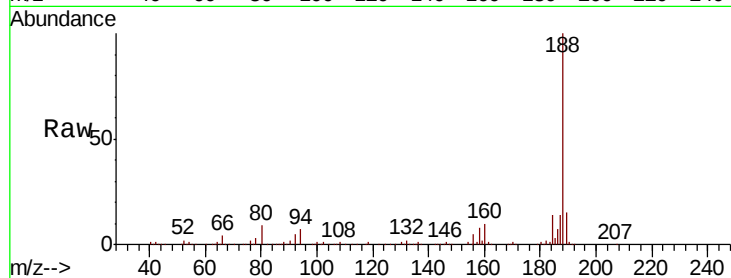




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

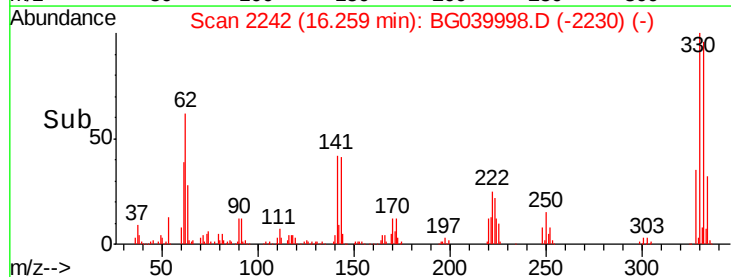
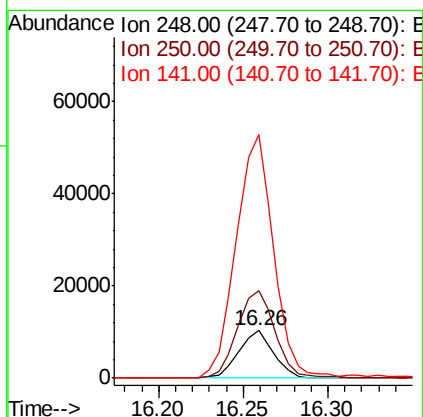
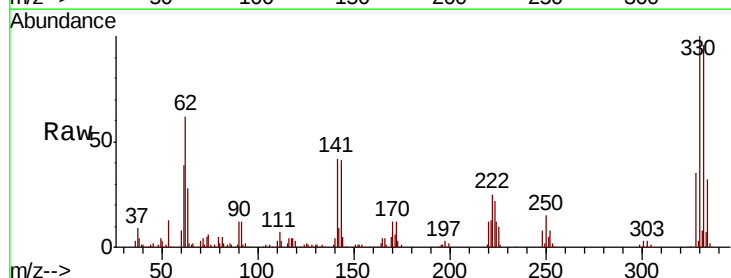
Instrument :
 BNA_G
 ClientSampled :

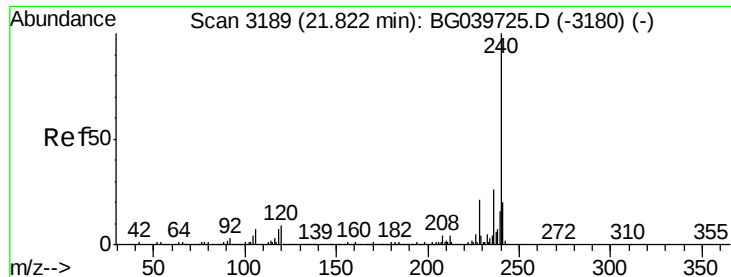
Tot Ion:188 Resp: 288891
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.9 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.571 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Tgt Ion:248 Resp: 14781
 Ion Ratio Lower Upper
 248 100
 250 185.2 77.6 116.4#
 141 511.8 63.9 95.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.03 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

Instrument :

BNA_G

ClientSampled :

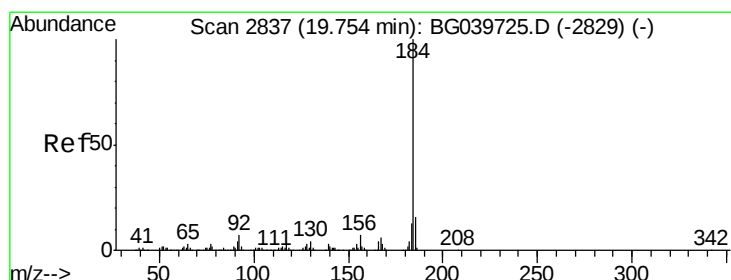
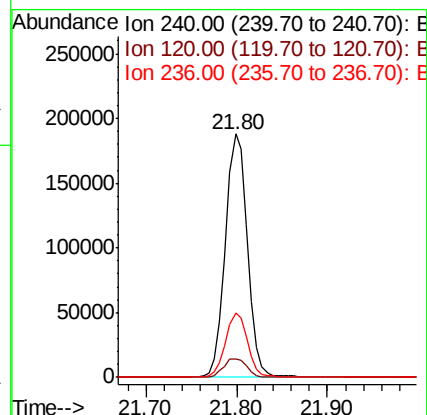
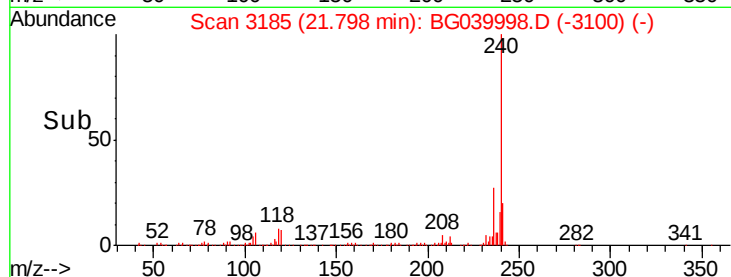
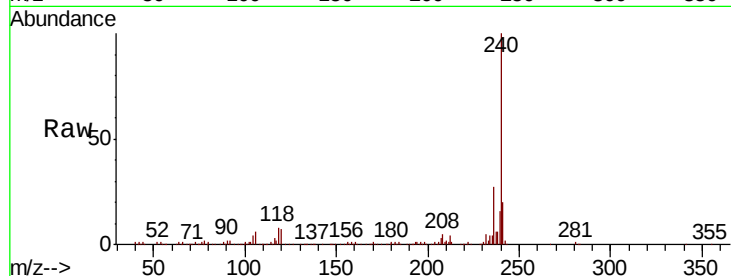
Tot Ion:240 Resp: 316802

Ion Ratio Lower Upper

240 100

120 7.4 7.0 10.6

236 26.7 21.0 31.4



#77

Benzidine

Concen: 2.417 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.35 min

Lab File: BG039998.D

Acq: 19 Mar 2019 9:43

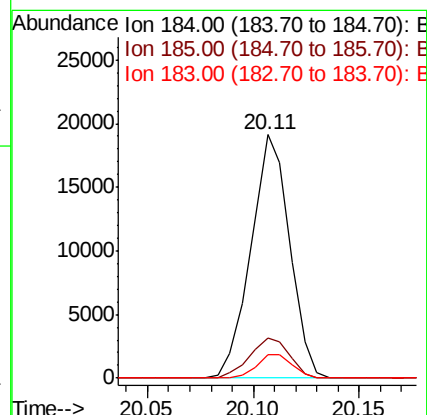
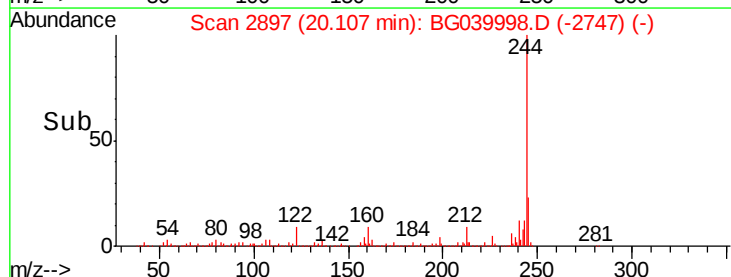
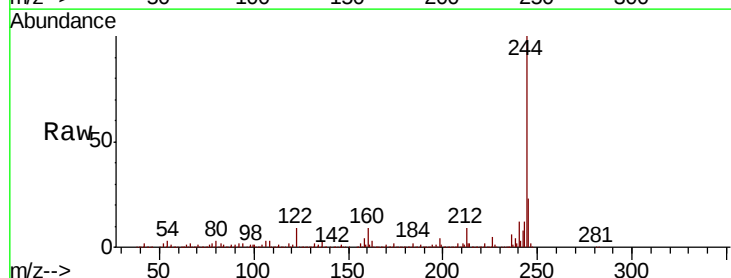
Tgt Ion:184 Resp: 24301

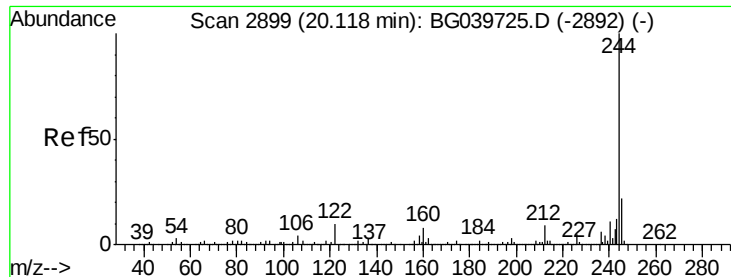
Ion Ratio Lower Upper

184 100

185 16.4 12.2 18.2

183 9.5 10.6 15.8#



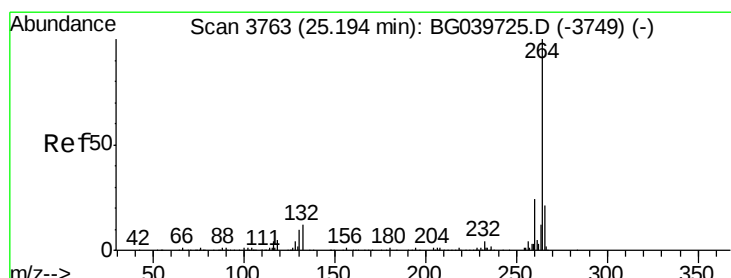
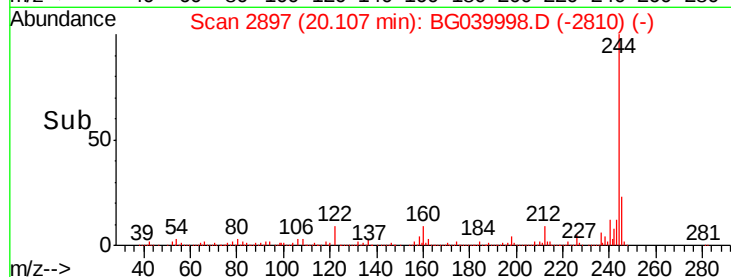
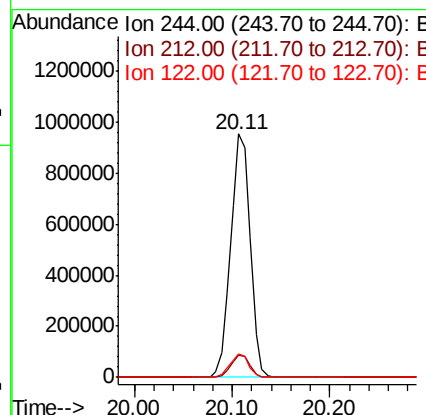
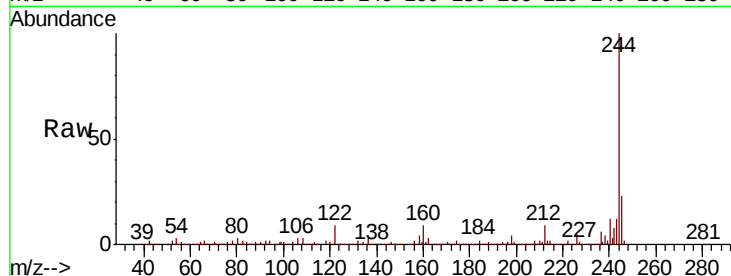


#79
 Terphenyl-d14
 Concen: 91.999 ng
 RT: 20.11 min Scan# 2897
 Delta R.T. -0.02 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1323708

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.3	10.9
122	9.4	8.4	12.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3757
 Delta R.T. -0.04 min
 Lab File: BG039998.D
 Acq: 19 Mar 2019 9:43

Tgt Ion:264 Resp: 298594

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.4
265	20.2	18.5	27.7

