

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG032119\  
 Data File : BG040069.D  
 Acq On : 21 Mar 2019 17:11  
 Operator : JU/SJ  
 Sample : PB118155BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

Quant Time: Mar 22 01:33:45 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 | 8.14  | 152  | 33608    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.96 | 136  | 149241   | 20.00 | ng    | -0.03    |
| 39) Acenaphthene-d10      | 14.77 | 164  | 107771   | 20.00 | ng    | -0.03    |
| 64) Phenanthrene-d10      | 17.51 | 188  | 275415   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.80 | 240  | 277448   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 25.16 | 264  | 270605   | 20.00 | ng    | -0.04    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.69  | 112 | 247297 | 125.53 | ng | -0.02 |
| 7) Phenol-d6                | 7.29  | 99  | 363108 | 123.62 | ng | -0.03 |
| 23) Nitrobenzene-d5         | 9.32  | 82  | 211447 | 76.63  | ng | -0.03 |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330 | 128777 | 102.52 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 13.39 | 172 | 571177 | 75.46  | ng | -0.03 |
| 79) Terphenyl-d14           | 20.11 | 244 | 962244 | 76.36  | ng | -0.02 |

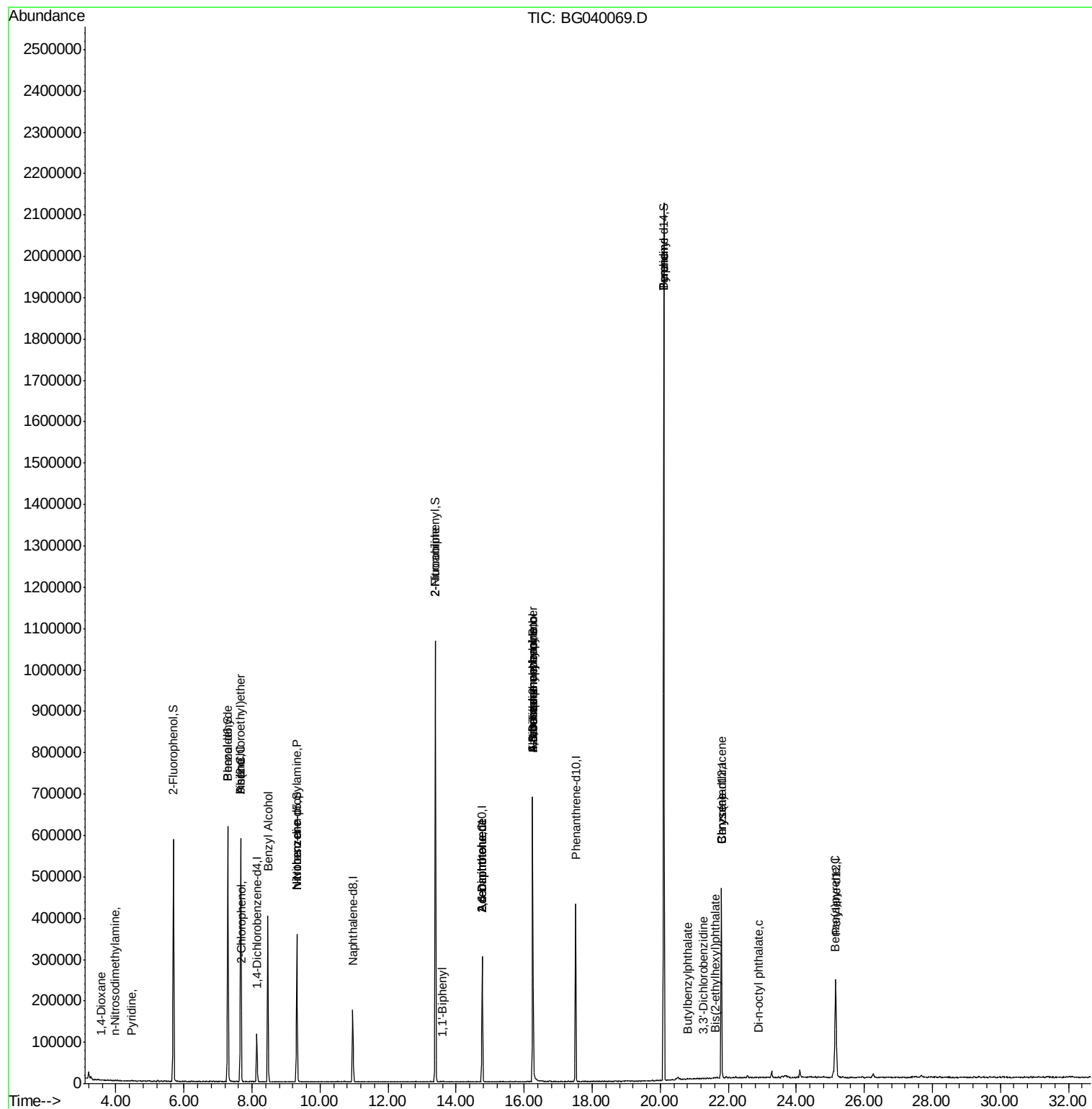
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.56  | 88  | 60    | 0.066  | ng | # 10 |
| 3) Pyridine                    | 4.47  | 79  | 62    | 0.025  | ng | # 8  |
| 4) n-Nitrosodimethylamine      | 3.97  | 42  | 122   | 0.106  | ng | # 1  |
| 6) Aniline                     | 7.67  | 93  | 377   | 0.098  | ng | # 1  |
| 8) 2-Chlorophenol              | 7.69  | 128 | 53    | 0.022  | ng | # 1  |
| 9) Benzaldehyde                | 7.29  | 77  | 450   | 0.237  | ng | # 4  |
| 10) Phenol                     | 7.67  | 94  | 610   | 0.192  | ng | # 1  |
| 11) bis(2-Chloroethyl)ether    | 7.67  | 93  | 377   | 0.152  | ng | # 1  |
| 15) Benzyl Alcohol             | 8.47  | 79  | 3377  | 1.449  | ng | # 53 |
| 19) n-Nitroso-di-n-propylamine | 9.32  | 70  | 25969 | 12.283 | ng | # 69 |
| 24) Nitrobenzene               | 9.31  | 77  | 678   | 0.234  | ng | # 41 |
| 46) 1,1'-Biphenyl              | 13.61 | 154 | 689   | 0.078  | ng | # 89 |
| 48) 2-Nitroaniline             | 13.39 | 65  | 1101  | 0.514  | ng | # 1  |
| 51) 2,6-Dinitrotoluene         | 14.77 | 165 | 13905 | 7.278  | ng | # 24 |
| 52) Acenaphthene               | 14.77 | 154 | 329   | 0.050  | ng | # 5  |
| 57) 2,4-Dinitrotoluene         | 14.77 | 165 | 13905 | 5.180  | ng | # 20 |
| 58) Fluorene                   | 16.25 | 166 | 5670  | 0.667  | ng | # 91 |
| 63) Azobenzene                 | 16.25 | 77  | 675   | 0.083  | ng | # 9  |
| 65) 4,6-Dinitro-2-methylphenol | 16.26 | 198 | 506   | 0.311  | ng | # 16 |
| 66) n-Nitrosodiphenylamine     | 16.26 | 169 | 5303  | 0.665  | ng | # 49 |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248 | 9485  | 3.077  | ng | # 1  |
| 77) Benzidine                  | 20.11 | 184 | 16333 | 1.855  | ng | # 88 |
| 78) Pyrene                     | 20.11 | 202 | 3556  | 0.197  | ng | # 65 |
| 80) Butylbenzylphthalate       | 20.80 | 149 | 112   | 0.016  | ng | # 22 |
| 81) Benzo(a)anthracene         | 21.80 | 228 | 643   | 0.037  | ng | # 50 |
| 82) 3,3'-Dichlorobenzidine     | 21.26 | 252 | 53    | 0.008  | ng | # 26 |
| 83) Chrysene                   | 21.80 | 228 | 643   | 0.038  | ng | # 48 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 53    | 0.005  | ng | # 52 |
| 85) Di-n-octyl phthalate       | 22.91 | 149 | 54    | 0.003  | ng | # 1  |
| 90) Benzo(a)pyrene             | 25.14 | 252 | 398   | 0.027  | ng | # 59 |

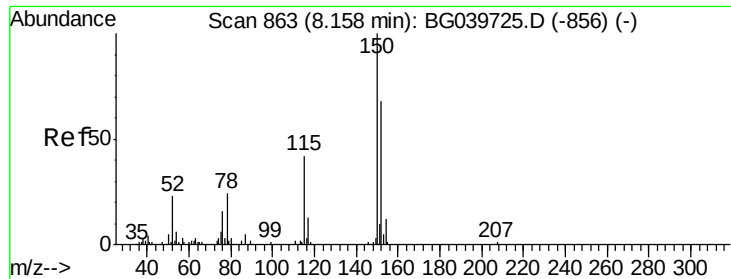
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG032119\  
Data File : BG040069.D  
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Sample : PB118155BL  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Quant Time: Mar 22 01:33:45 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

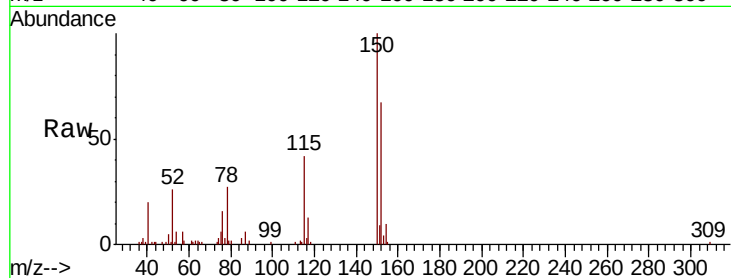
Tgt Ion:152 Resp: 33608

Ion Ratio Lower Upper

152 100

150 148.5 123.7 185.5

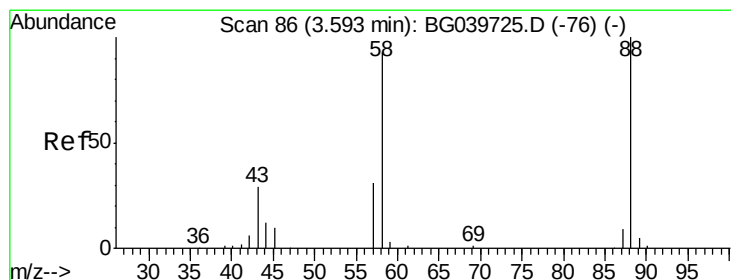
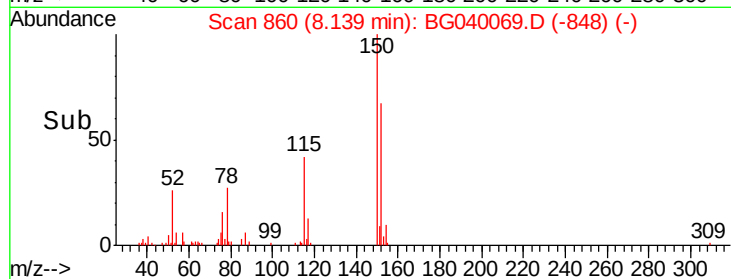
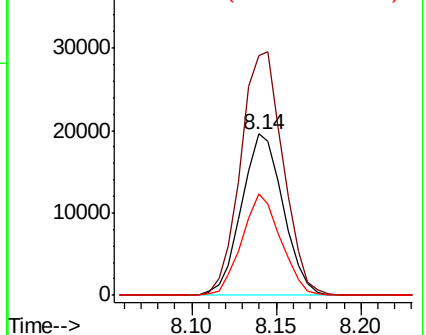
115 62.8 45.9 68.9



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: 0.066 ng

RT: 3.56 min Scan# 80

Delta R.T. -0.05 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

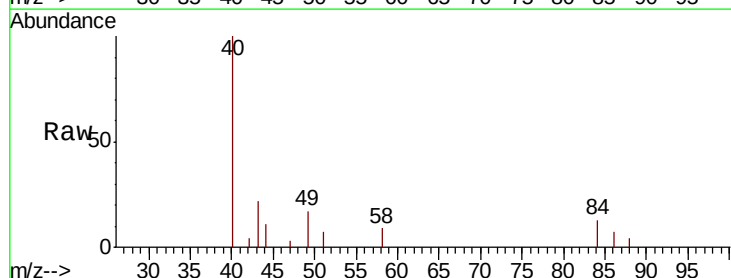
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

58 0.0 81.1 121.7#

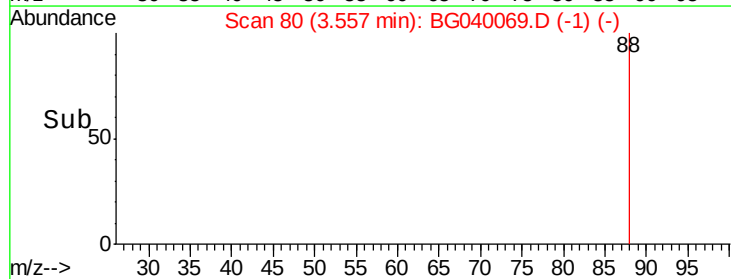
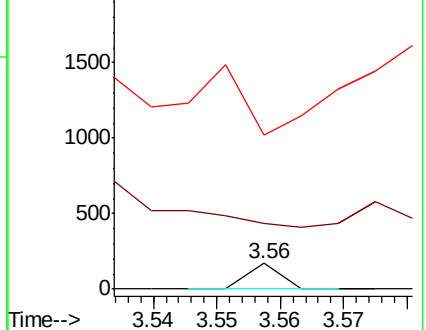
43 0.0 31.4 47.0#

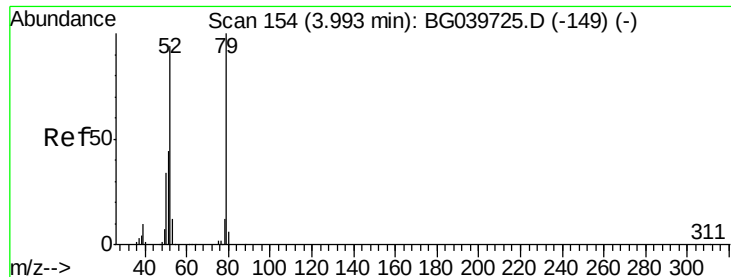


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.025 ng

RT: 4.47 min Scan# 236

Delta R.T. 0.47 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

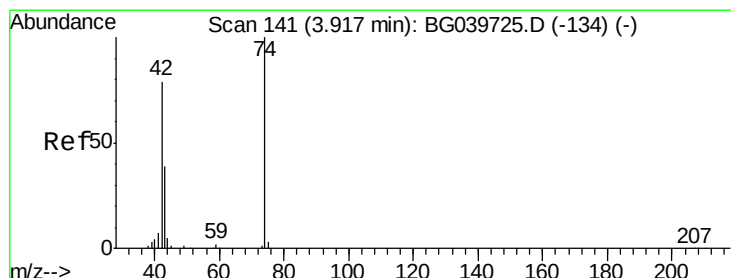
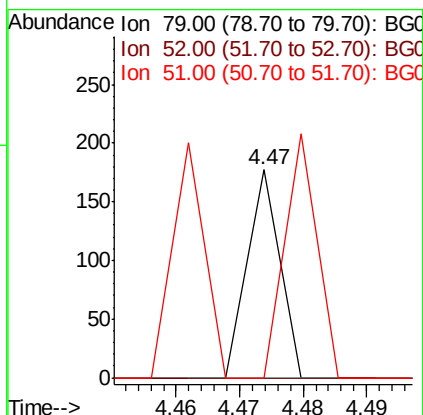
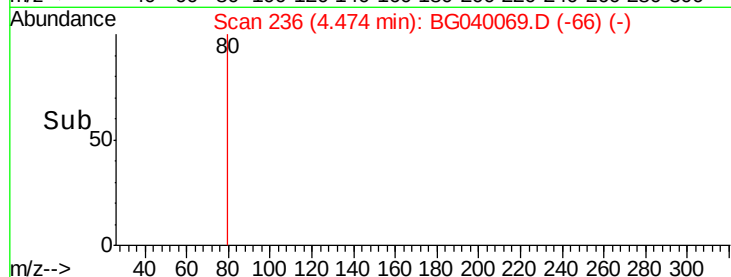
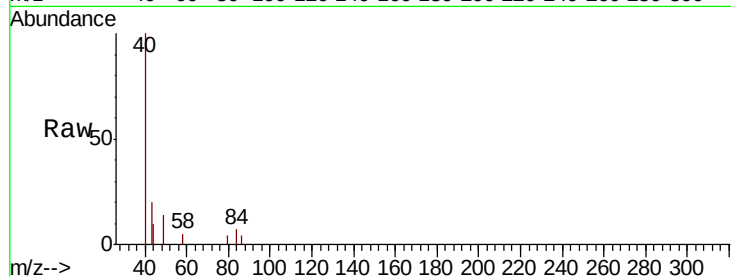
Tgt Ion: 79 Resp: 62

Ion Ratio Lower Upper

79 100

52 0.0 82.6 124.0#

51 0.0 37.5 56.3#



#4

n-Nitrosodimethylamine

Concen: 0.106 ng

RT: 3.97 min Scan# 151

Delta R.T. 0.05 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

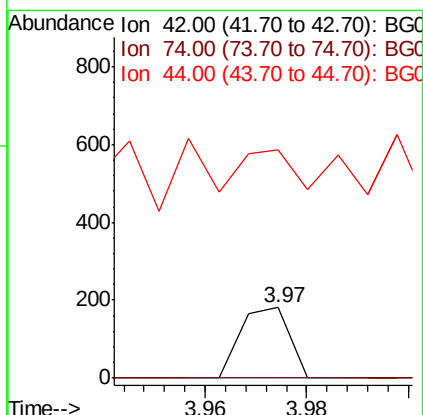
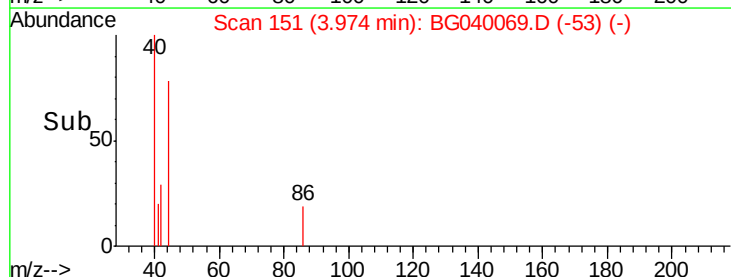
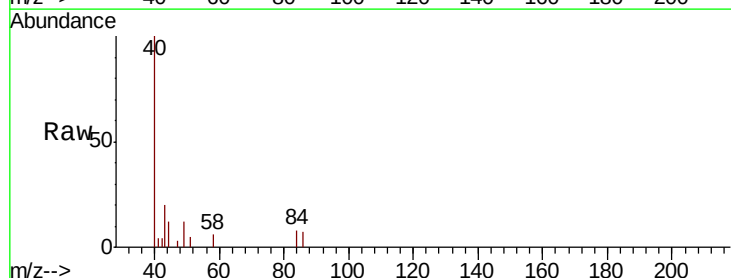
Tgt Ion: 42 Resp: 122

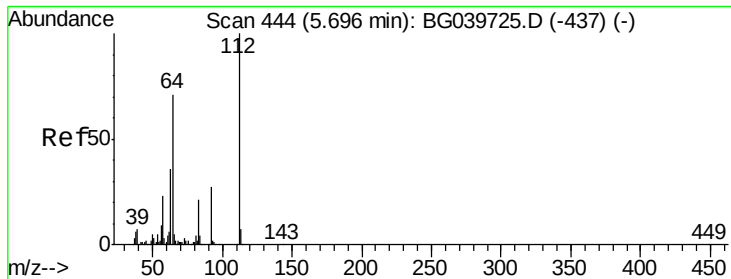
Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

44 324.9 6.9 10.3#





#5

2-Fluorophenol

Concen: 125.533 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

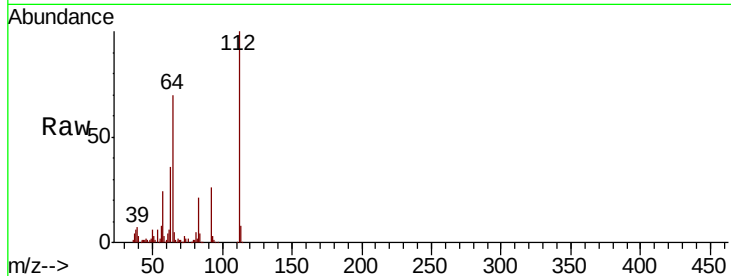
Tgt Ion: 112 Resp: 247297

Ion Ratio Lower Upper

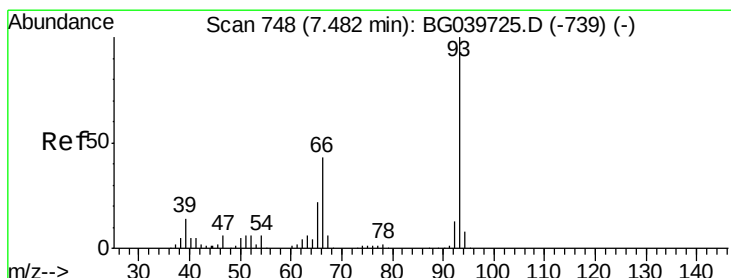
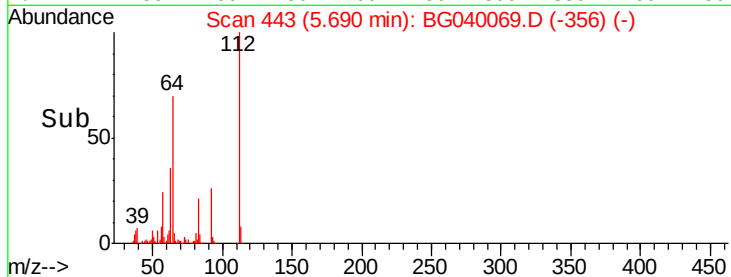
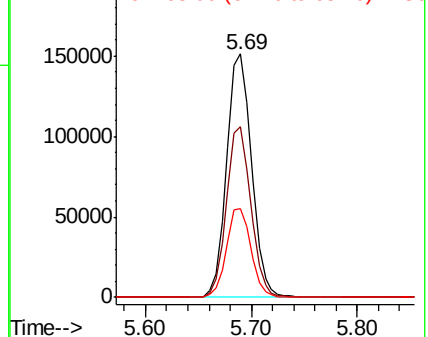
112 100

64 69.8 57.8 86.8

63 36.4 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



#6

Aniline

Concen: 0.098 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.17 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

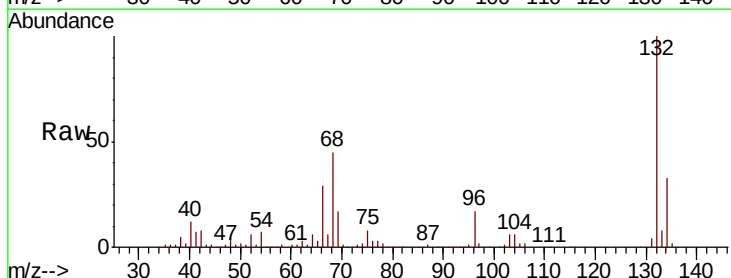
Tgt Ion: 93 Resp: 377

Ion Ratio Lower Upper

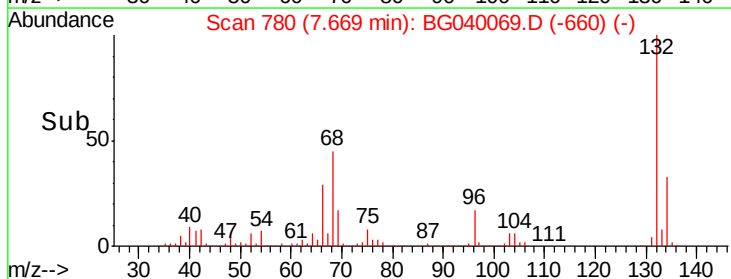
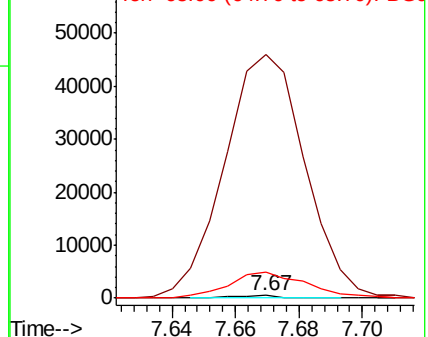
93 100

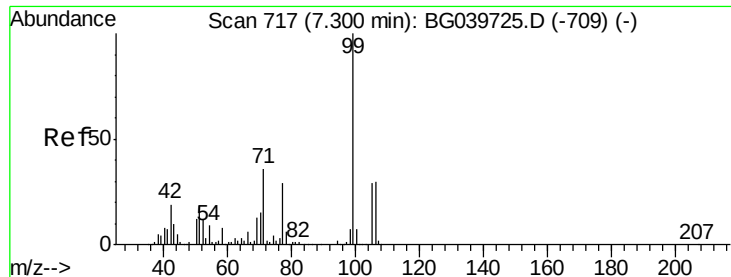
66 9403.7 34.2 51.4#

65 1002.9 17.7 26.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 123.618 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

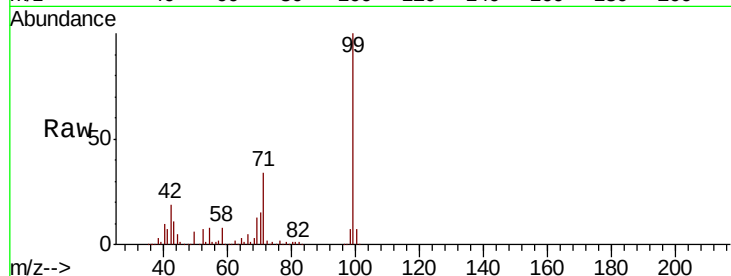
Tgt Ion: 99 Resp: 363108

Ion Ratio Lower Upper

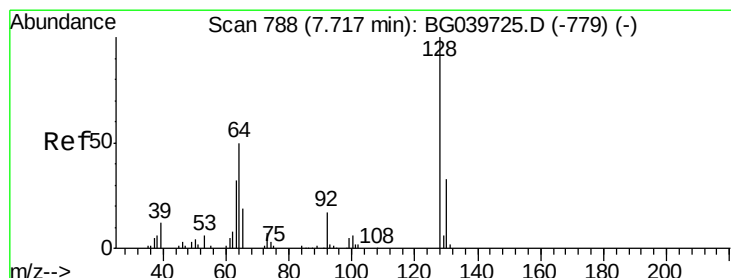
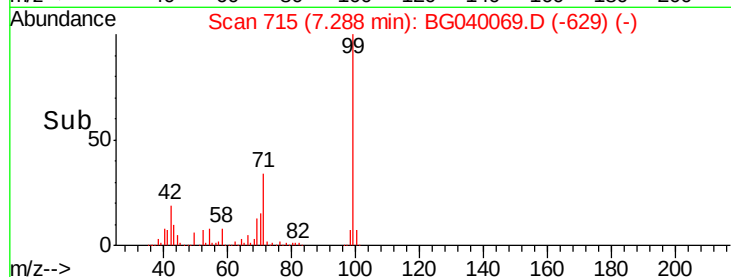
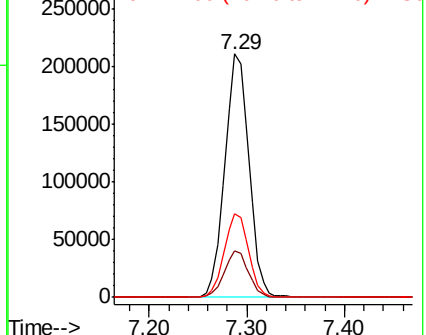
99 100

42 19.2 18.2 27.2

71 34.3 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



#8

2-Chlorophenol

Concen: 0.022 ng

RT: 7.69 min Scan# 784

Delta R.T. -0.03 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

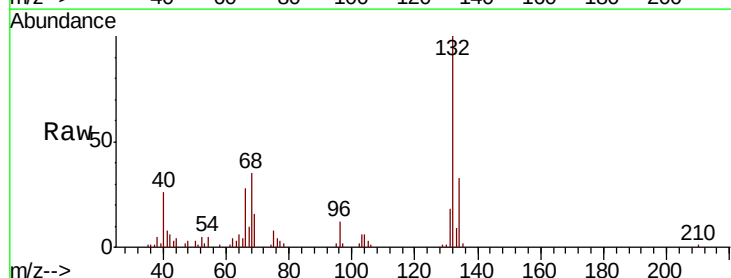
Tgt Ion: 128 Resp: 53

Ion Ratio Lower Upper

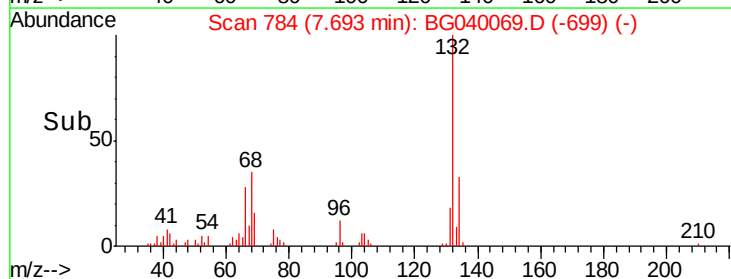
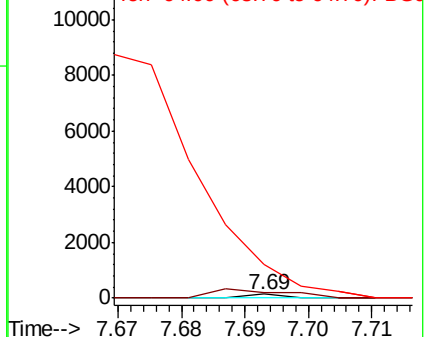
128 100

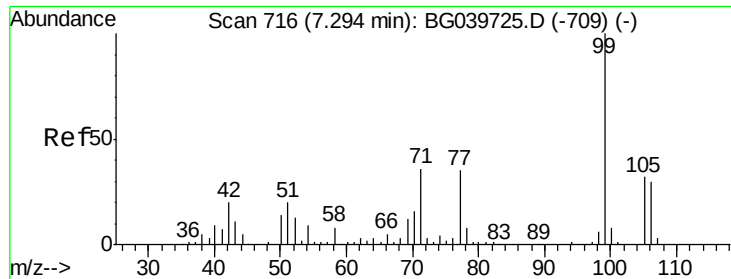
130 118.5 12.9 52.9#

64 798.0 38.7 78.7#



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.237 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

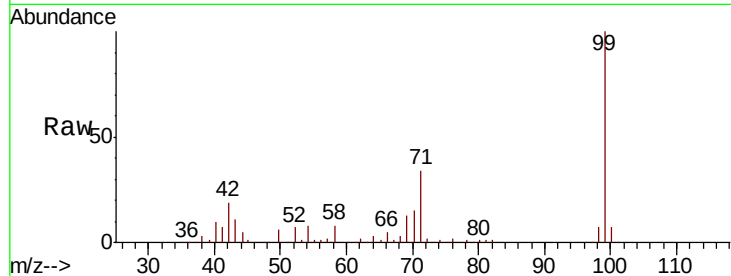
Tgt Ion: 77 Resp: 450

Ion Ratio Lower Upper

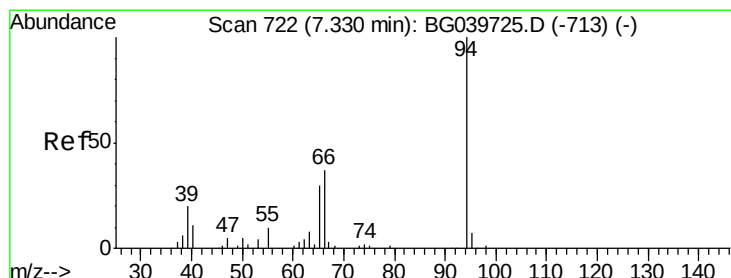
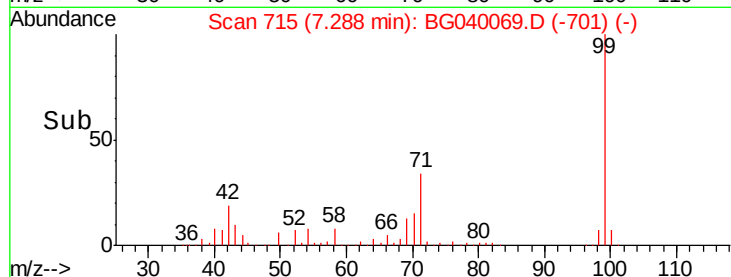
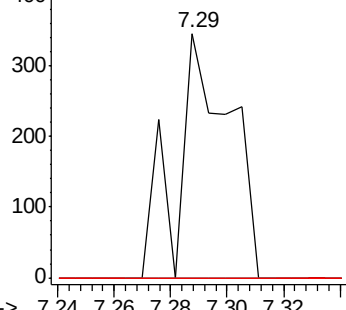
77 100

105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.192 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.33 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

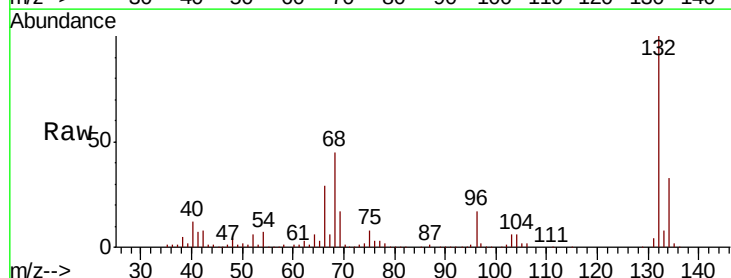
Tgt Ion: 94 Resp: 610

Ion Ratio Lower Upper

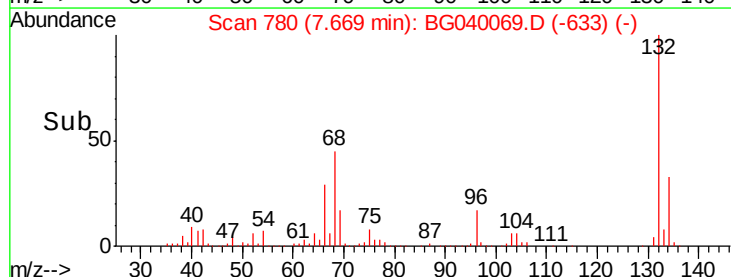
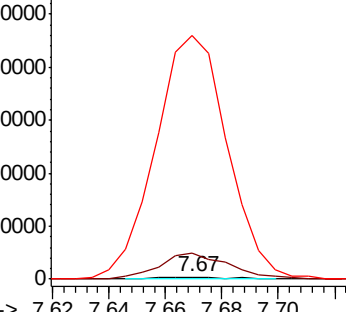
94 100

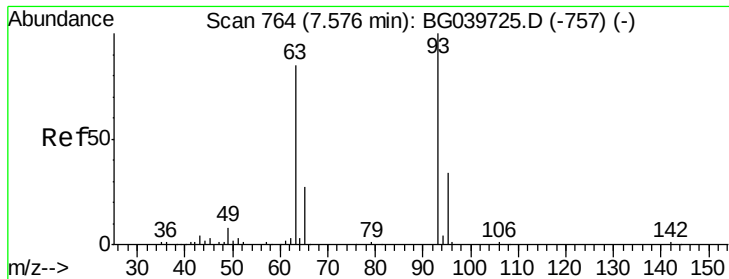
65 1114.5 11.7 51.7#

66 10450.9 23.7 63.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

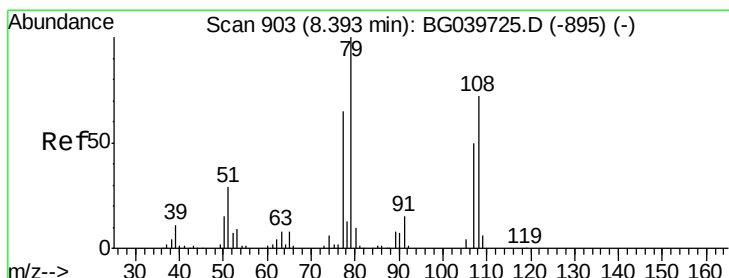
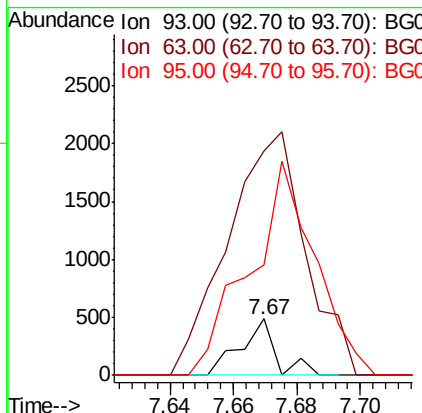
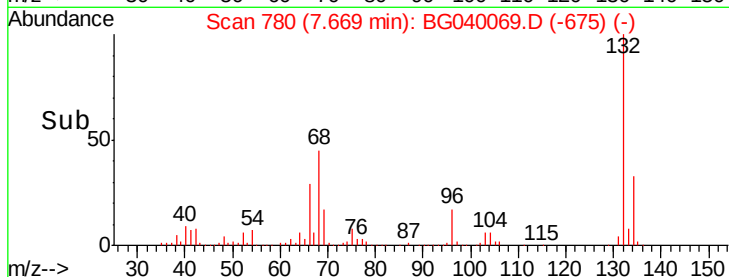
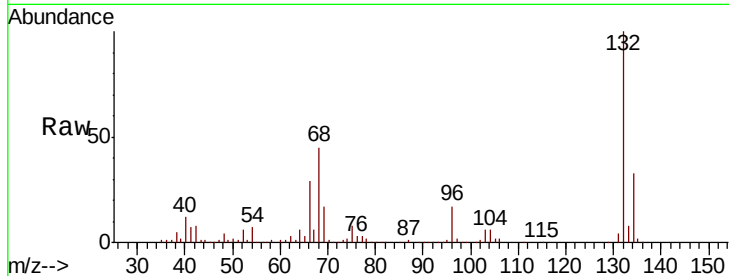




#11  
bis(2-Chloroethyl)ether  
Concen: 0.152 ng  
RT: 7.67 min Scan# 780  
Delta R.T. 0.09 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

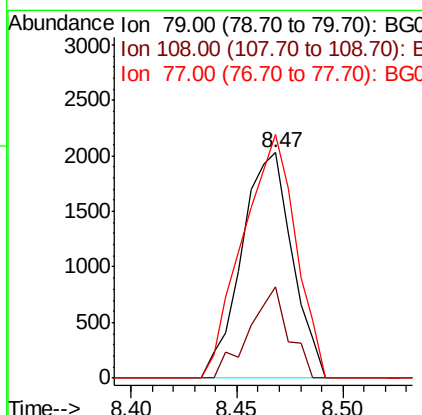
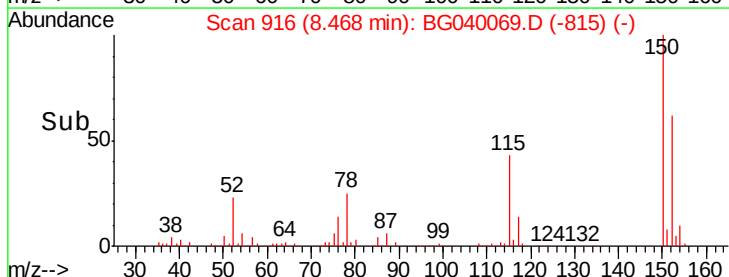
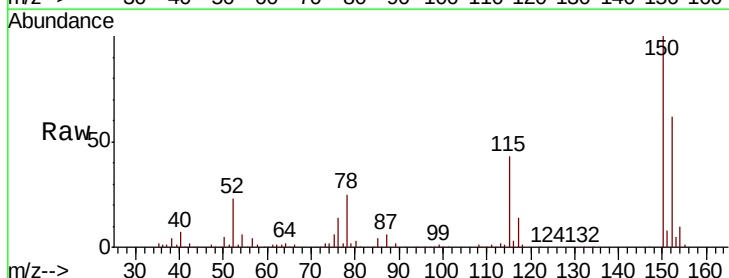
Instrument :  
BNA\_G  
ClientSampled :  
PB118155BL

Tgt Ion: 93 Resp: 377  
Ion Ratio Lower Upper  
93 100  
63 396.9 69.5 109.5#  
95 194.9 12.7 52.7#

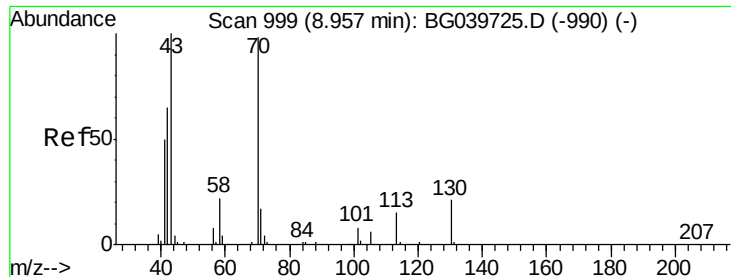


#15  
Benzyl Alcohol  
Concen: 1.449 ng  
RT: 8.47 min Scan# 916  
Delta R.T. 0.06 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

Tgt Ion: 79 Resp: 3377  
Ion Ratio Lower Upper  
79 100  
108 40.7 57.8 86.6#  
77 108.1 51.1 76.7#



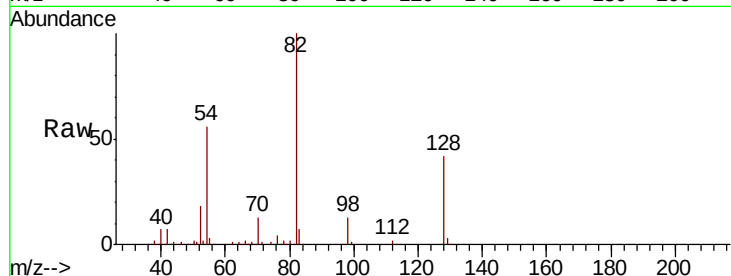




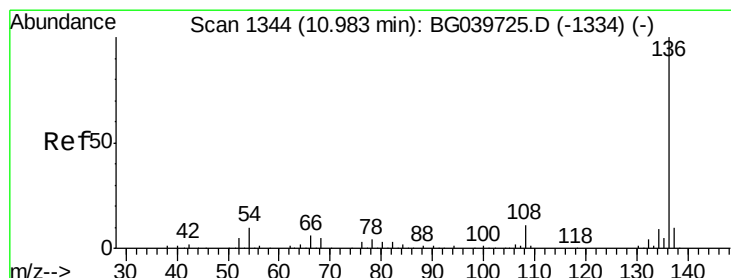
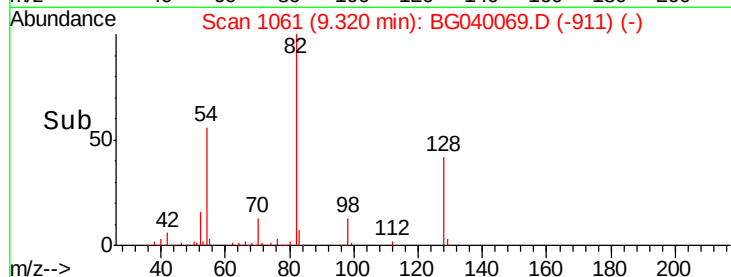
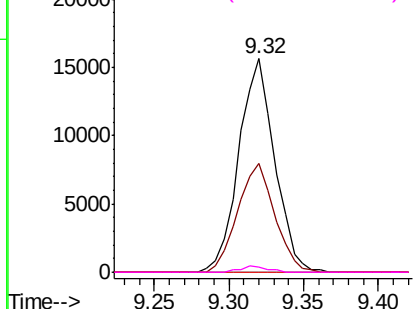
#19  
n-Nitroso-di-n-propylamine  
Concen: 12.283 ng  
RT: 9.32 min Scan# 1061  
Delta R.T. 0.35 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

Instrument :  
BNA\_G  
ClientSampleId :  
PB118155BL

Tgt Ion: 70 Resp: 25969  
Ion Ratio Lower Upper  
70 100  
42 50.7 60.4 90.6#  
101 0.0 7.5 11.3#  
130 2.2 16.9 25.3#

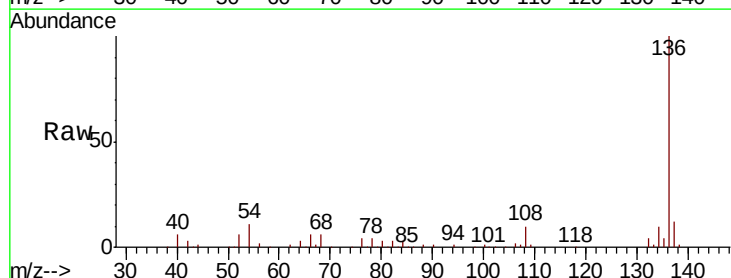


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

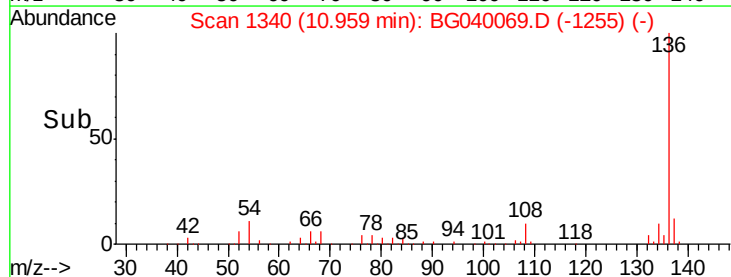
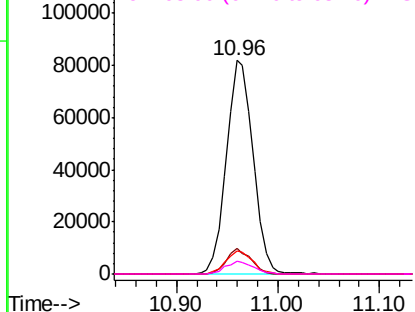


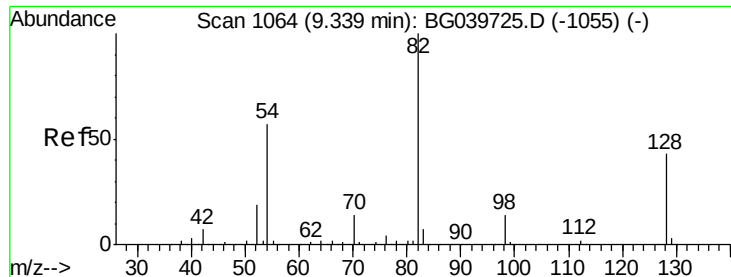
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.96 min Scan# 1340  
Delta R.T. -0.03 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

Tgt Ion: 136 Resp: 149241  
Ion Ratio Lower Upper  
136 100  
137 11.8 9.1 13.7  
54 11.1 9.4 14.2  
68 6.0 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

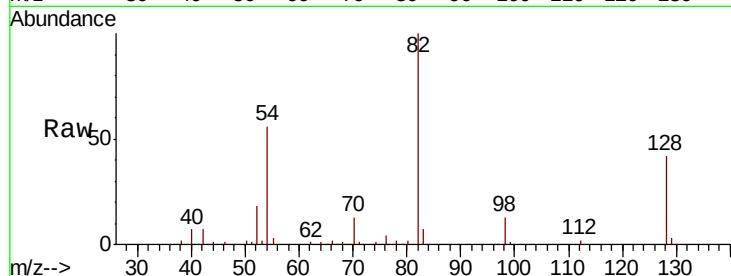




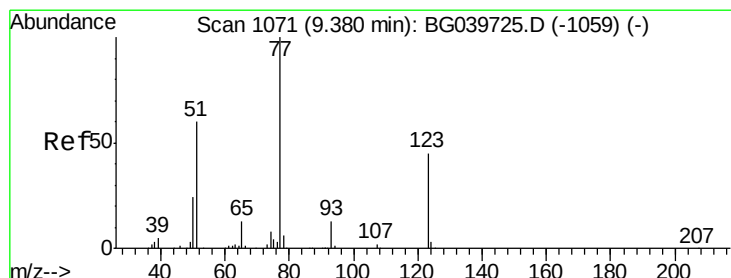
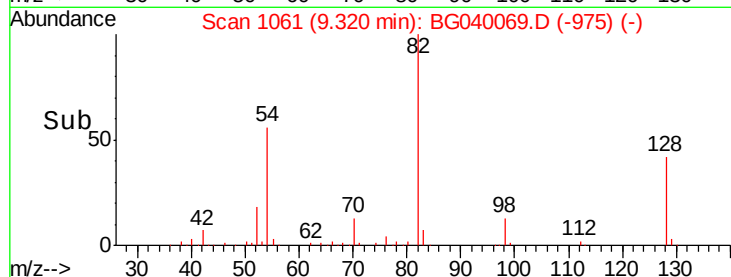
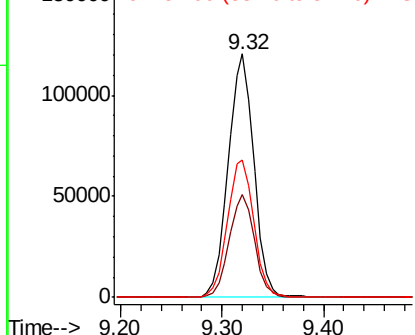
#23  
 Nitrobenzene-d5  
 Concen: 76.627 ng  
 RT: 9.32 min Scan# 1061  
 Delta R.T. -0.03 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

Tgt Ion: 82 Resp: 211447  
 Ion Ratio Lower Upper  
 82 100  
 128 42.0 31.3 46.9  
 54 56.4 50.9 76.3

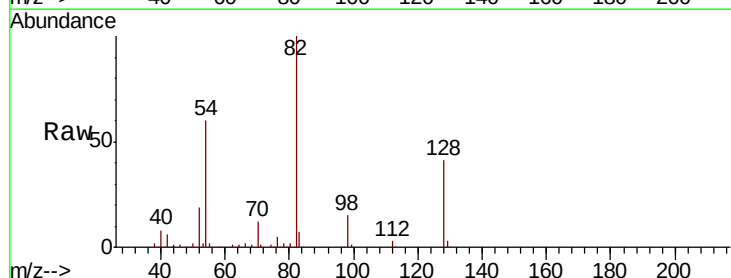


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

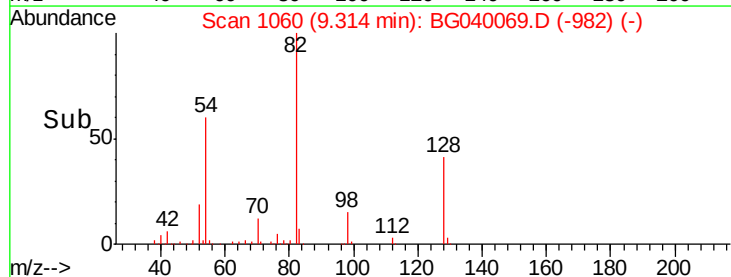
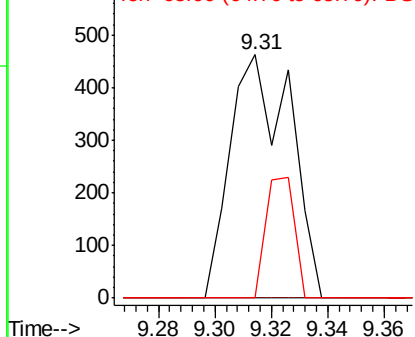


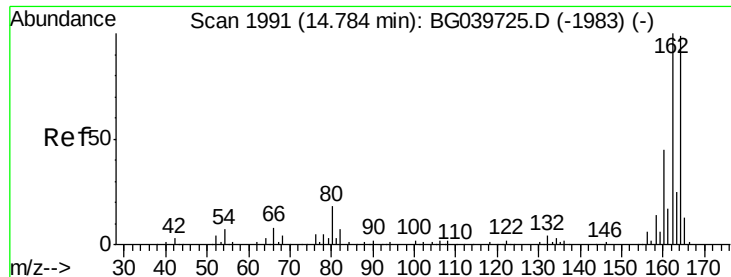
#24  
 Nitrobenzene  
 Concen: 0.234 ng  
 RT: 9.31 min Scan# 1060  
 Delta R.T. -0.07 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Tgt Ion: 77 Resp: 678  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 34.1 51.1#  
 65 0.0 12.3 18.5#



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: 14.77 min Scan# 1988

Delta R.T. -0.03 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

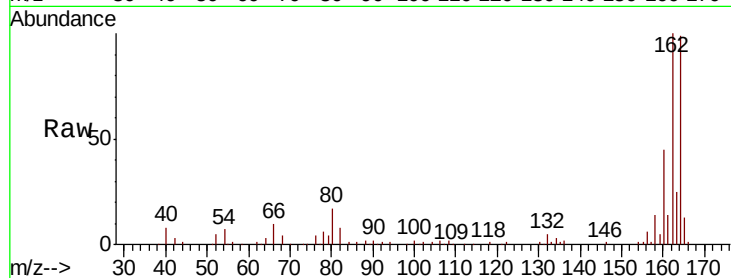
Tgt Ion:164 Resp: 107771

Ion Ratio Lower Upper

164 100

162 101.5 81.6 122.4

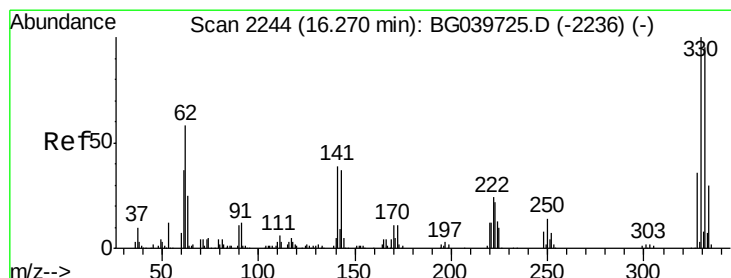
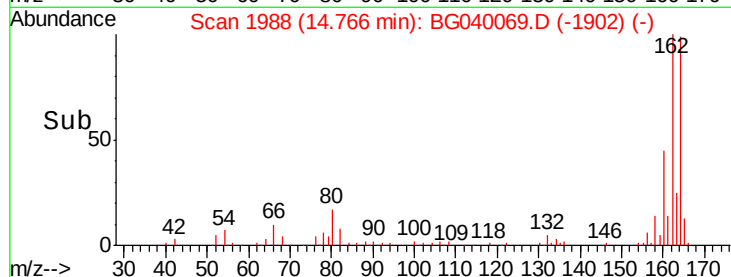
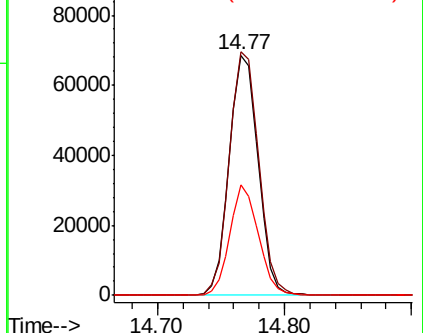
160 46.0 34.2 51.2



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: 102.517 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

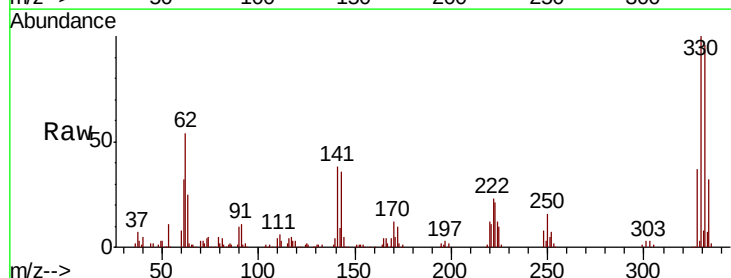
Tgt Ion:330 Resp: 128777

Ion Ratio Lower Upper

330 100

332 97.4 75.7 113.5

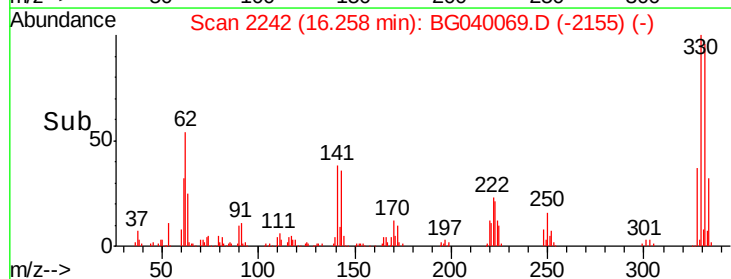
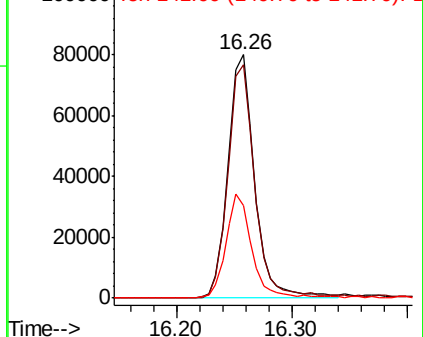
141 41.3 35.6 53.4

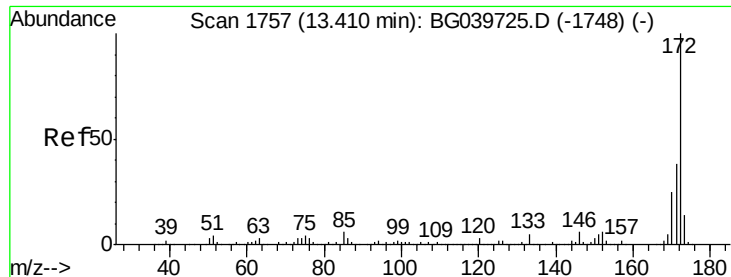


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

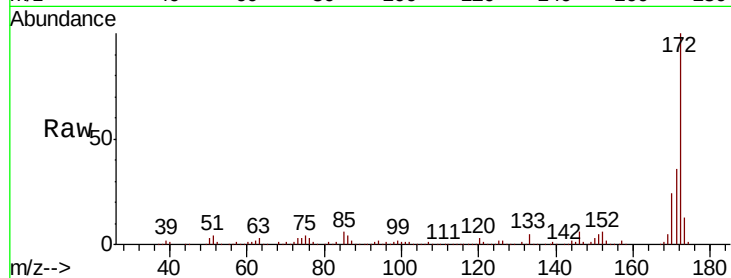




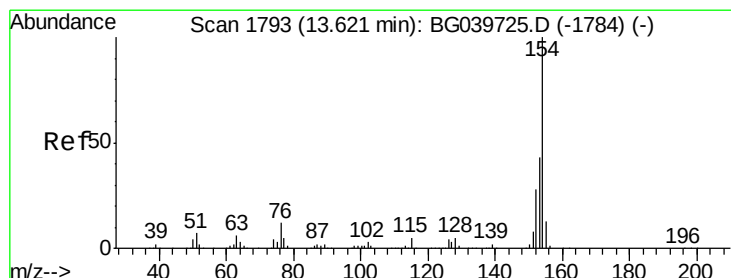
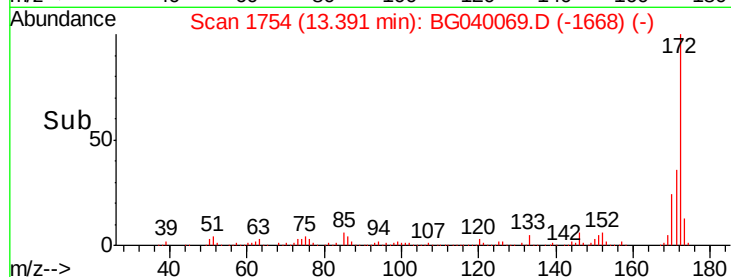
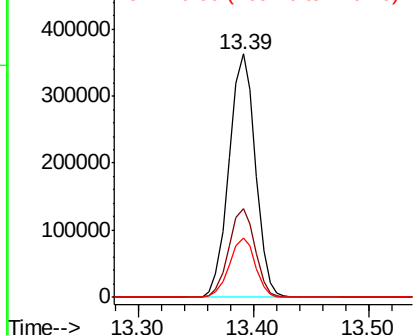
#45  
 2-Fluorobiphenyl  
 Concen: 75.462 ng  
 RT: 13.39 min Scan# 1754  
 Delta R.T. -0.03 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

Tgt Ion:172 Resp: 571177  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 30.8 46.2  
 170 24.4 20.2 30.4

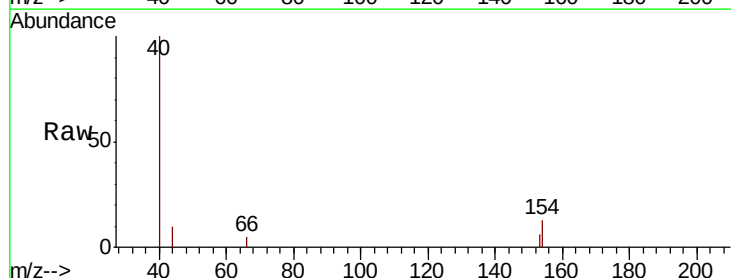


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

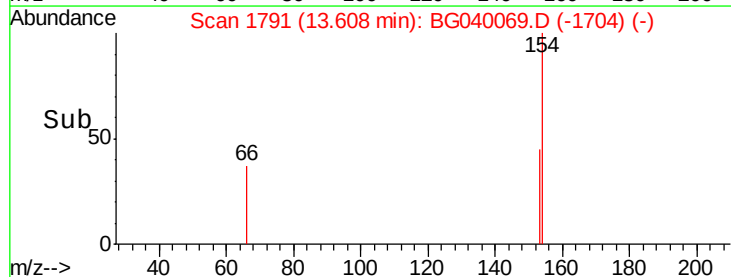
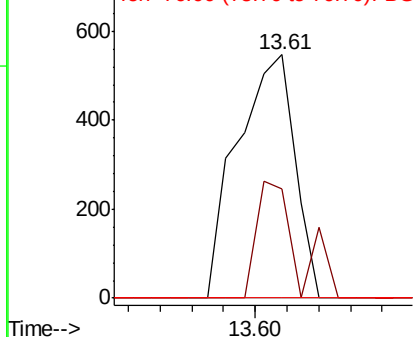


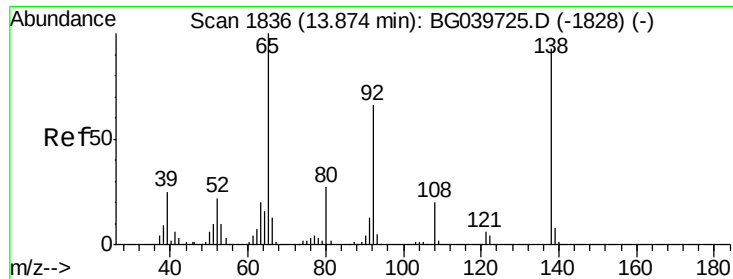
#46  
 1,1'-Biphenyl  
 Concen: 0.078 ng  
 RT: 13.61 min Scan# 1791  
 Delta R.T. -0.02 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Tgt Ion:154 Resp: 689  
 Ion Ratio Lower Upper  
 154 100  
 153 45.0 22.1 62.1  
 76 0.0 0.0 32.4



Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BG

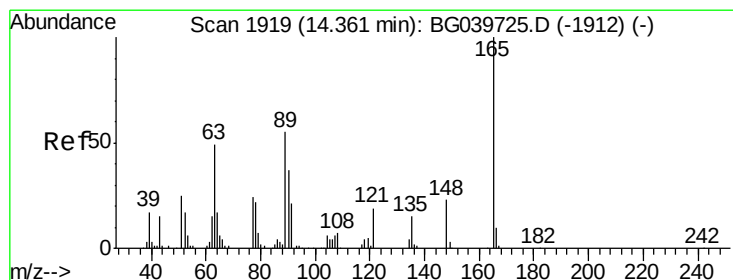
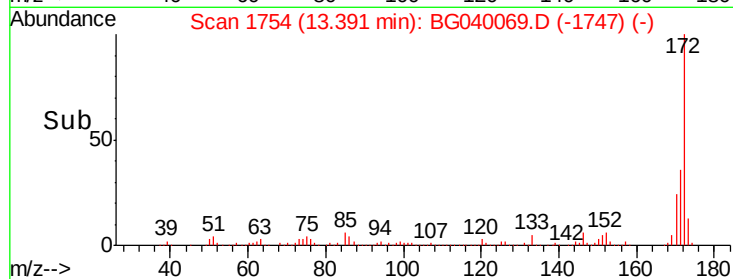
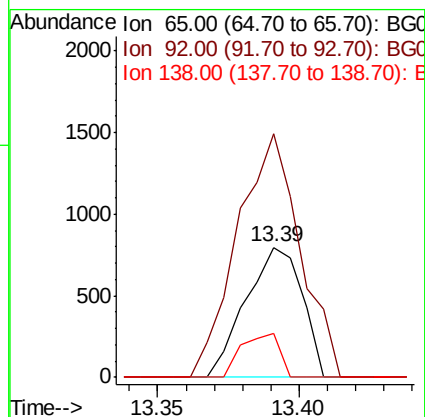
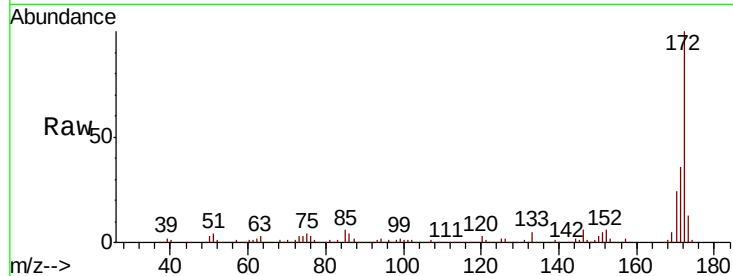




#48  
 2-Nitroaniline  
 Concen: 0.514 ng  
 RT: 13.39 min Scan# 1754  
 Delta R.T. -0.49 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

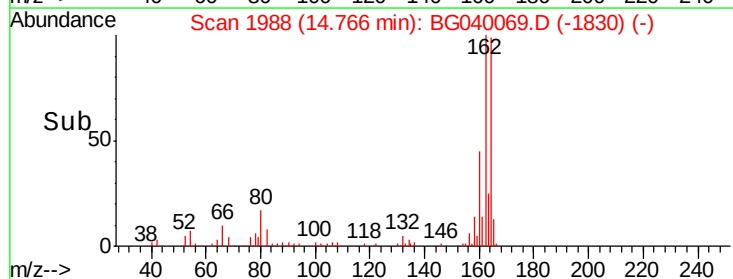
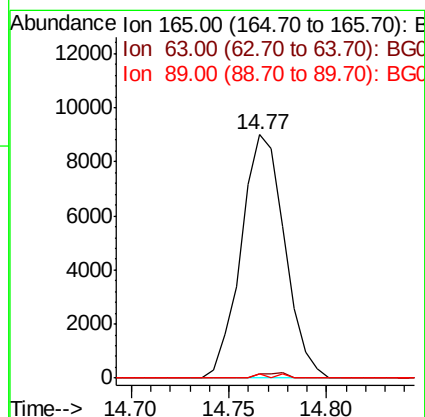
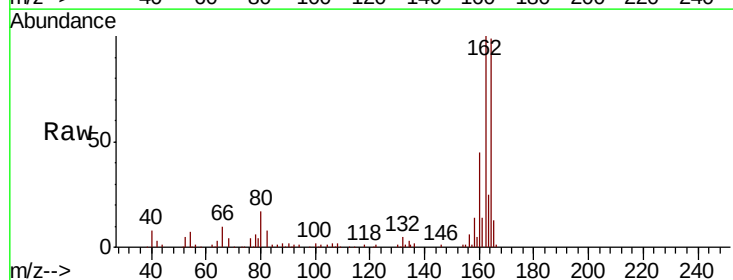
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

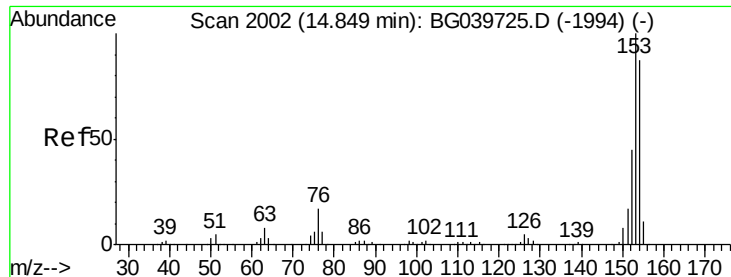
Tgt Ion: 65 Resp: 1101  
 Ion Ratio Lower Upper  
 65 100  
 92 187.2 51.4 77.2#  
 138 33.8 71.4 107.2#



#51  
 2,6-Dinitrotoluene  
 Concen: 7.278 ng  
 RT: 14.77 min Scan# 1988  
 Delta R.T. 0.40 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Tgt Ion: 165 Resp: 13905  
 Ion Ratio Lower Upper  
 165 100  
 63 2.0 47.0 70.6#  
 89 1.8 45.8 68.8#





#52

Acenaphthene

Concen: 0.050 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.09 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

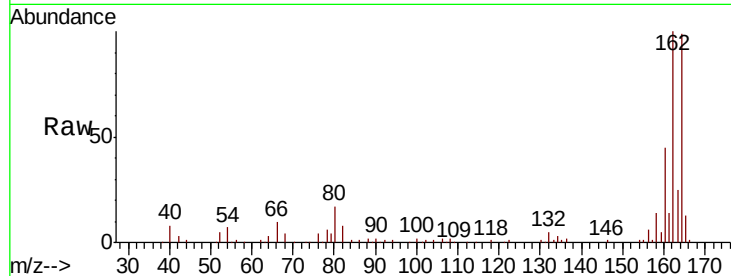
Tgt Ion:154 Resp: 329

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

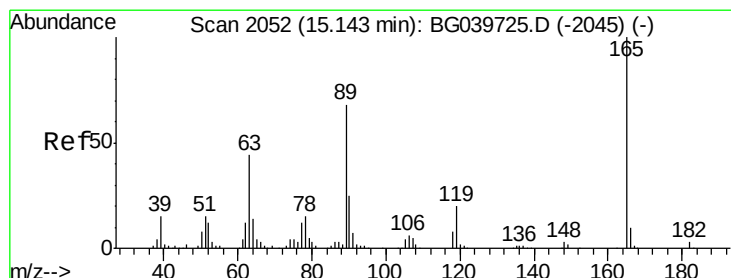
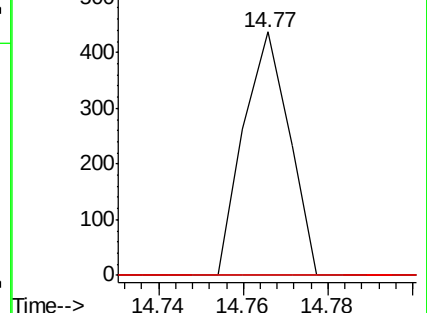
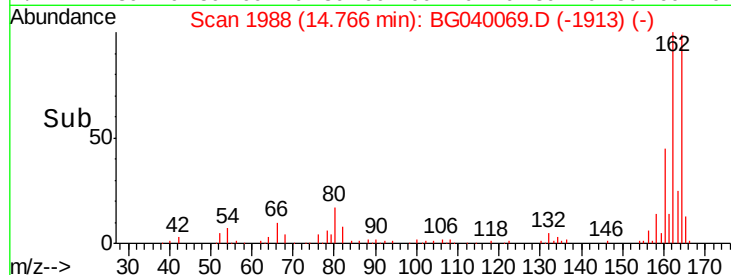
152 0.0 40.9 61.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.180 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Tgt Ion:165 Resp: 13905

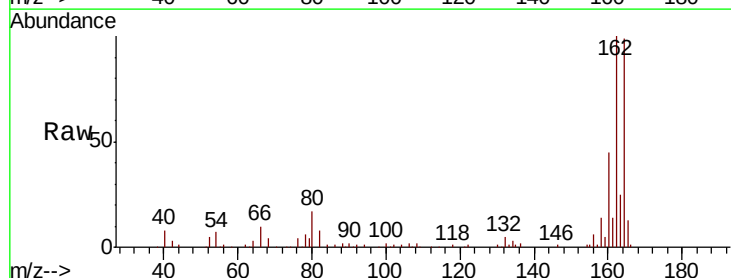
Ion Ratio Lower Upper

165 100

63 2.0 41.0 61.6#

89 1.8 64.6 96.8#

182 0.0 2.0 3.0#

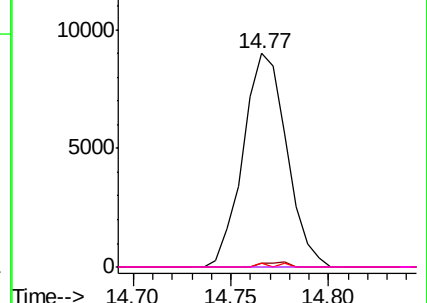
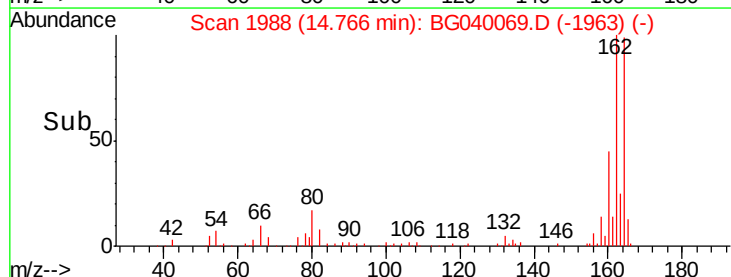


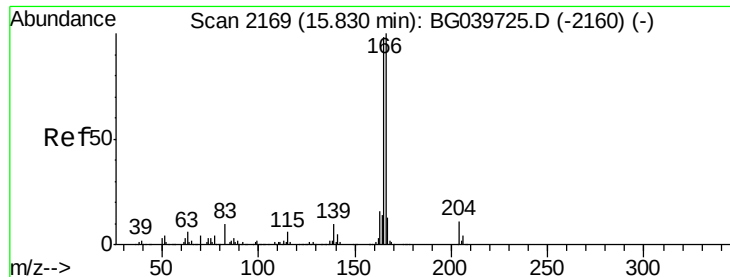
Abundance Ion 165.00 (164.70 to 165.70): E

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

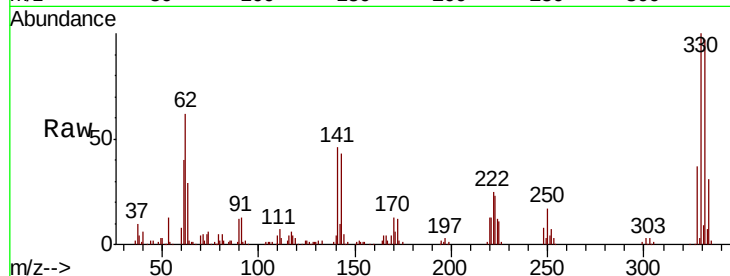




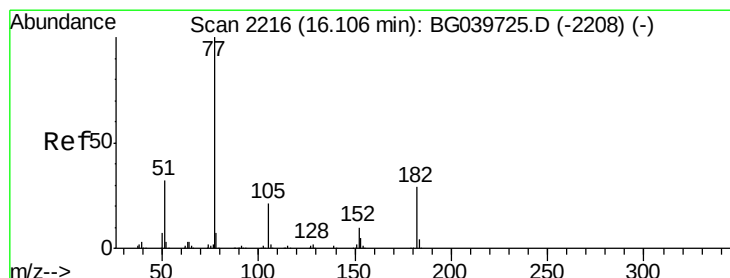
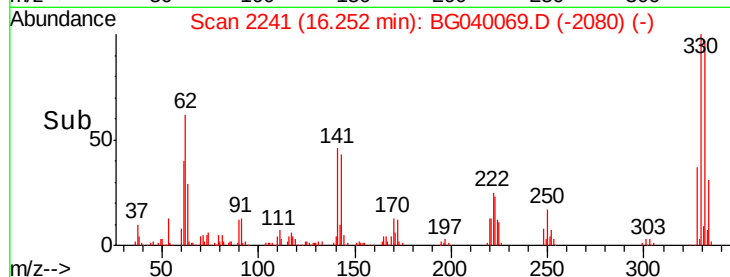
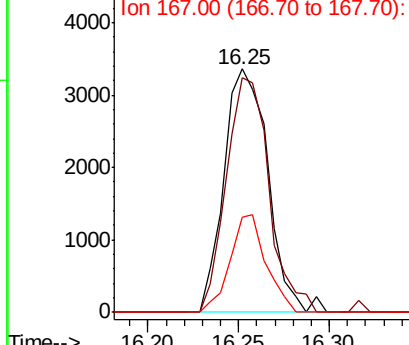
#58  
 Fluorene  
 Concen: 0.667 ng  
 RT: 16.25 min Scan# 2241  
 Delta R.T. 0.42 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

Tgt Ion: 166 Resp: 5670  
 Ion Ratio Lower Upper  
 166 100  
 165 96.5 77.9 116.9  
 167 39.3 10.8 16.2#

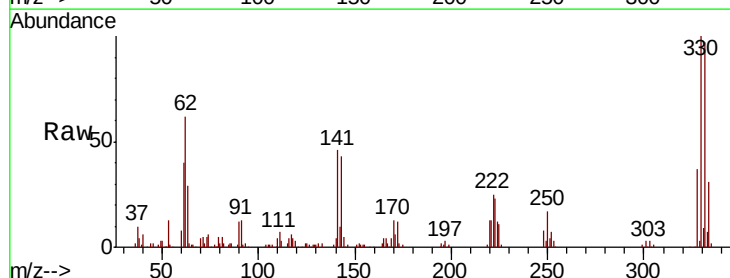


Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

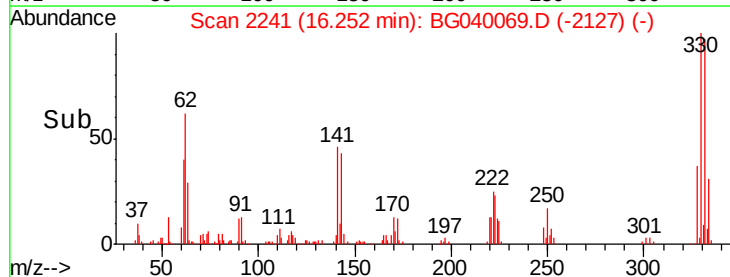
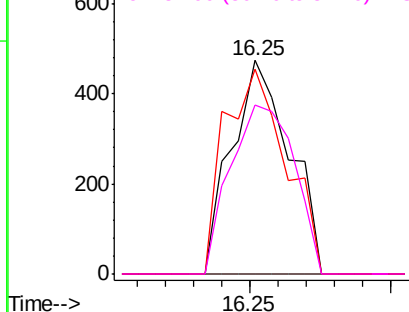


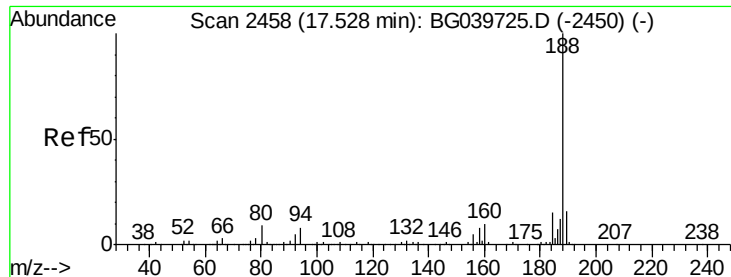
#63  
 Azobenzene  
 Concen: 0.083 ng  
 RT: 16.25 min Scan# 2241  
 Delta R.T. 0.14 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Tgt Ion: 77 Resp: 675  
 Ion Ratio Lower Upper  
 77 100  
 182 0.0 6.4 46.4#  
 105 96.0 0.0 39.8#  
 51 79.1 14.1 54.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 105.00 (104.70 to 105.70): E  
 Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

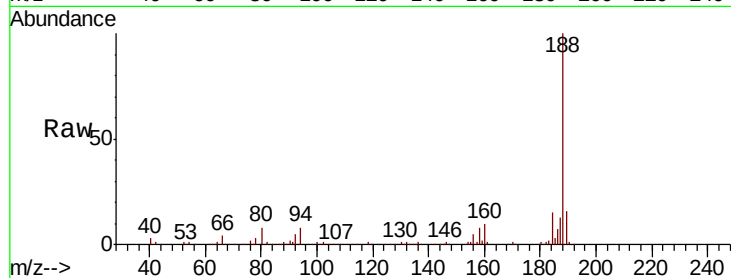
Tgt Ion:188 Resp: 275415

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

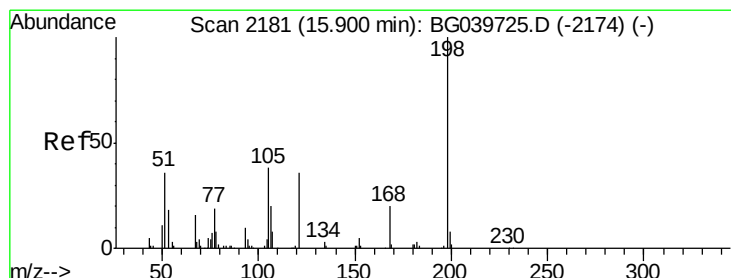
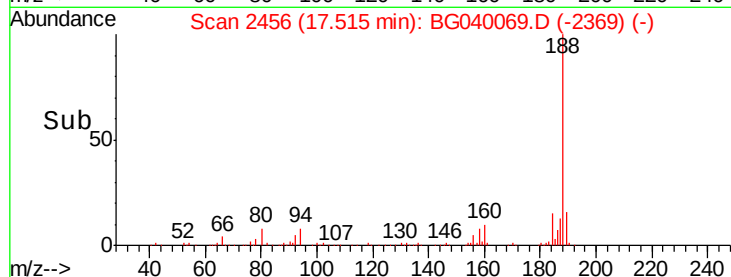
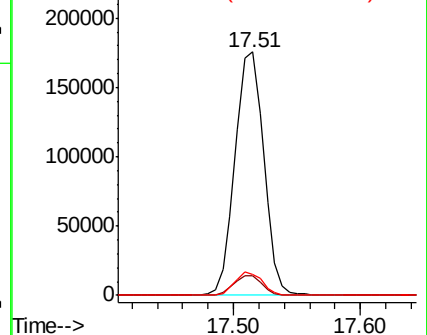
80 8.5 8.1 12.1



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: 0.311 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.35 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

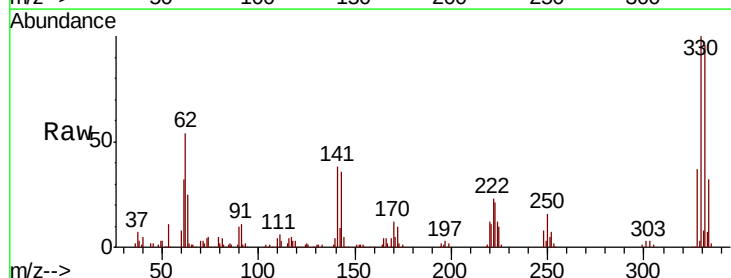
Tgt Ion:198 Resp: 506

Ion Ratio Lower Upper

198 100

51 98.9 27.4 67.4#

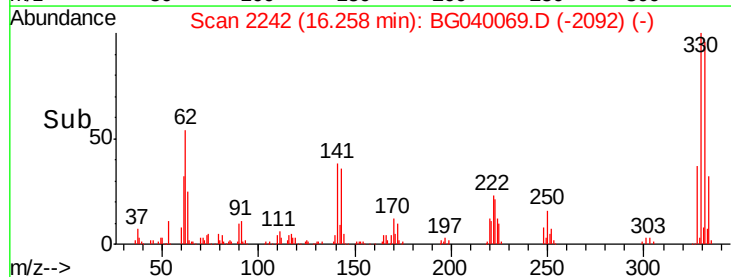
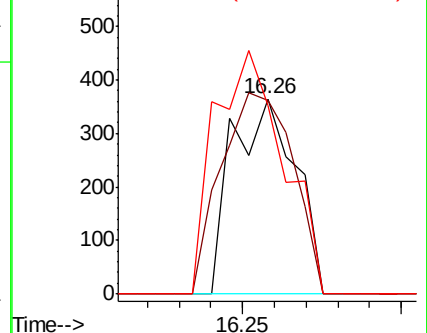
105 96.4 19.7 59.7#



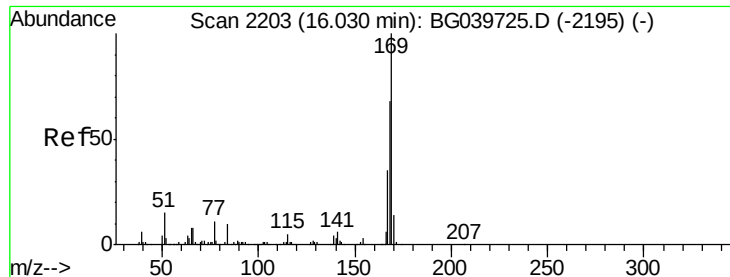
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



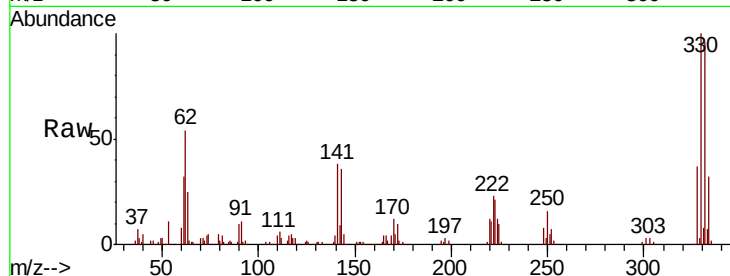




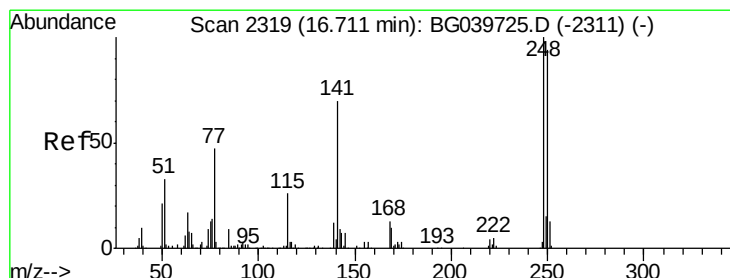
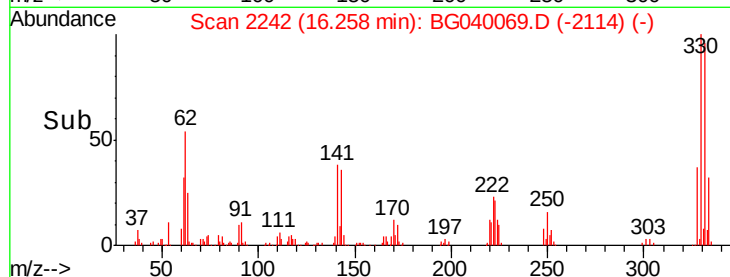
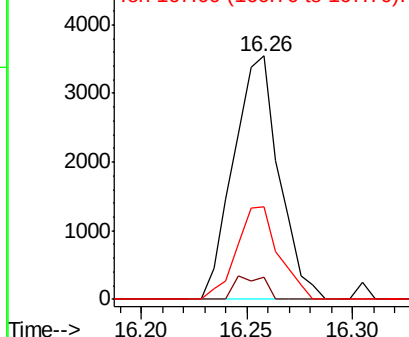
#66  
 n-Nitrosodiphenylamine  
 Concen: 0.665 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. 0.22 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

Tgt Ion:169 Resp: 5303  
 Ion Ratio Lower Upper  
 169 100  
 168 9.3 56.6 85.0#  
 167 38.0 28.8 43.2

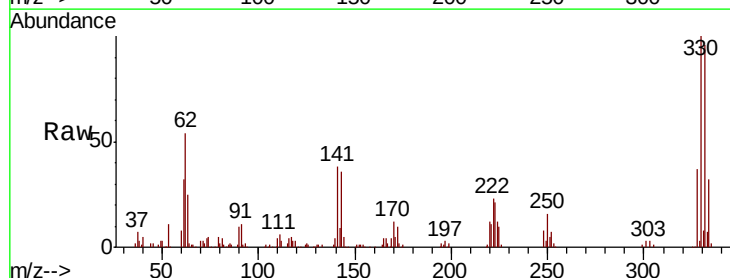


Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

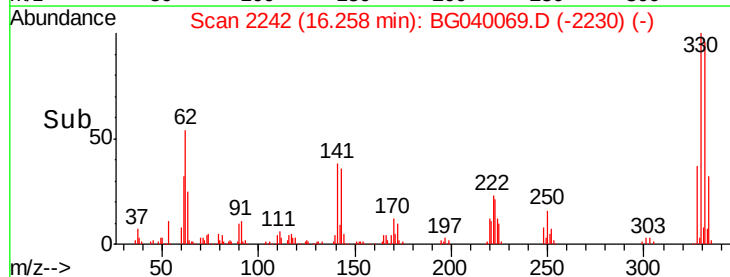
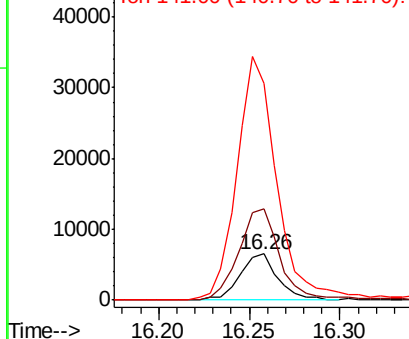


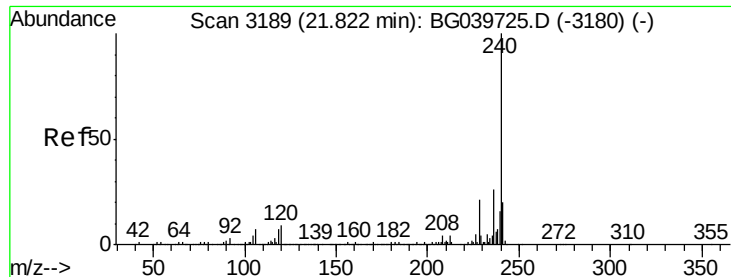
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.077 ng  
 RT: 16.26 min Scan# 2242  
 Delta R.T. -0.46 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

Tgt Ion:248 Resp: 9485  
 Ion Ratio Lower Upper  
 248 100  
 250 197.5 77.6 116.4#  
 141 470.9 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

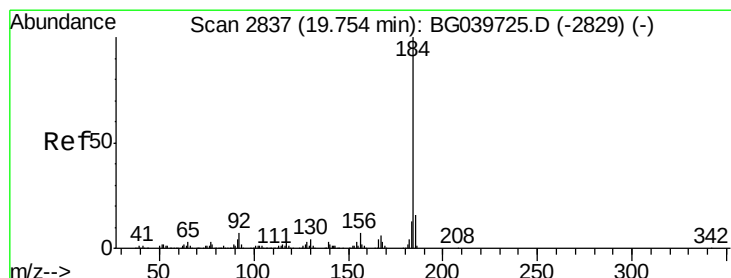
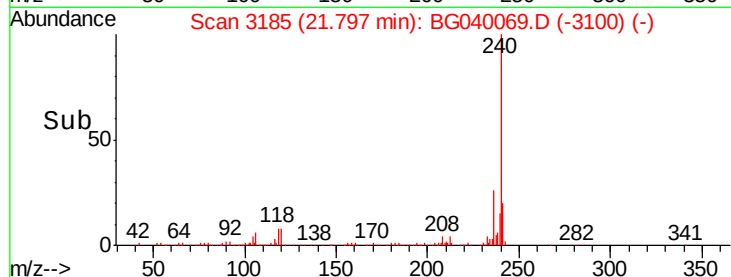
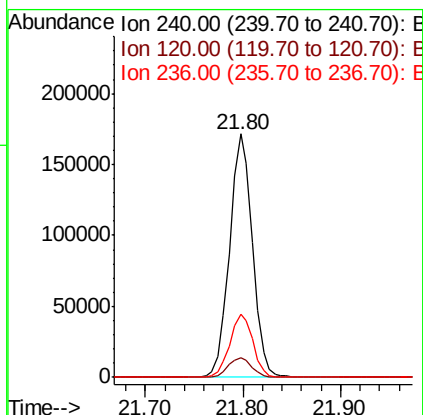
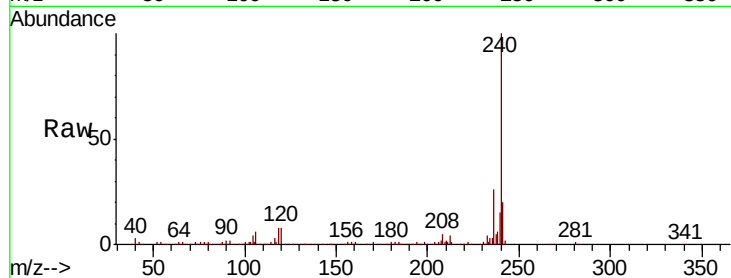




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3185  
Delta R.T. -0.03 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

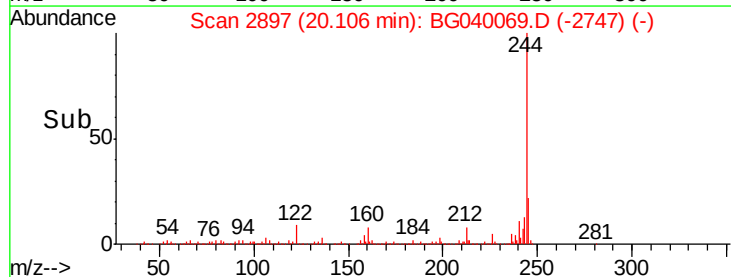
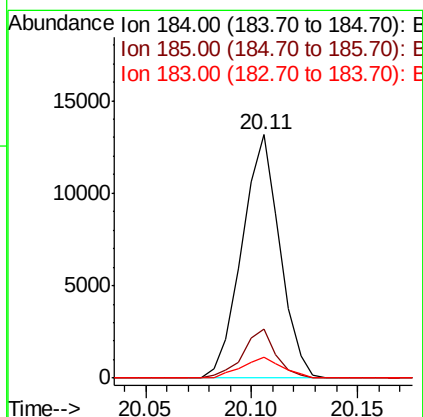
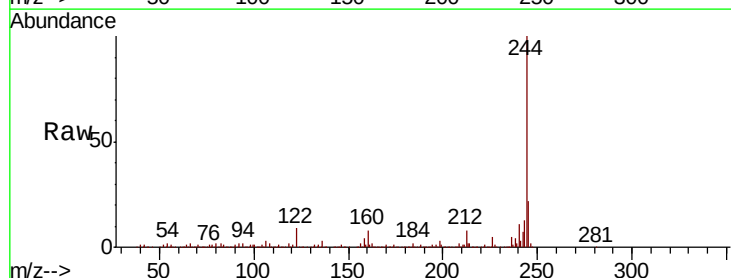
Instrument :  
BNA\_G  
ClientSampleId :  
PB118155BL

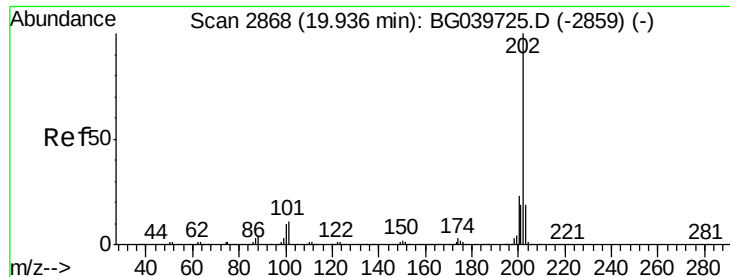
Tgt Ion:240 Resp: 277448  
Ion Ratio Lower Upper  
240 100  
120 8.2 7.0 10.6  
236 26.1 21.0 31.4



#77  
Benzidine  
Concen: 1.855 ng  
RT: 20.11 min Scan# 2897  
Delta R.T. 0.35 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

Tgt Ion:184 Resp: 16333  
Ion Ratio Lower Upper  
184 100  
185 20.2 12.2 18.2#  
183 8.7 10.6 15.8#





#78

Pyrene

Concen: 0.197 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.16 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

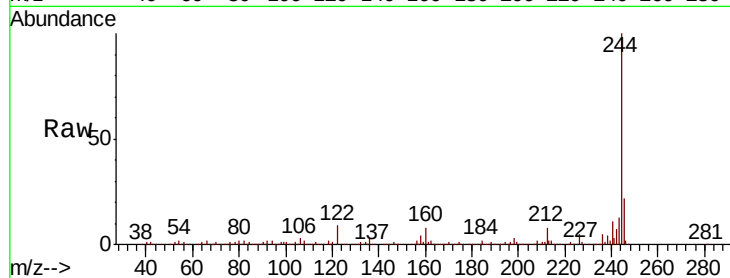
Tgt Ion:202 Resp: 3556

Ion Ratio Lower Upper

202 100

200 48.7 17.8 26.8#

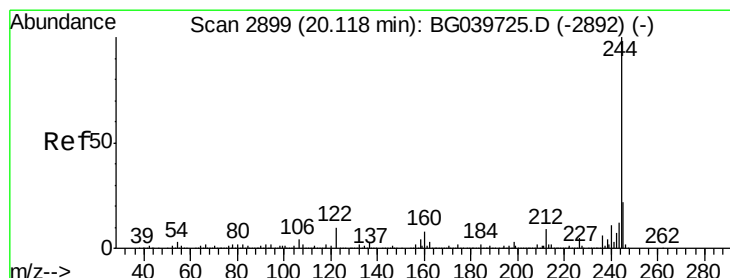
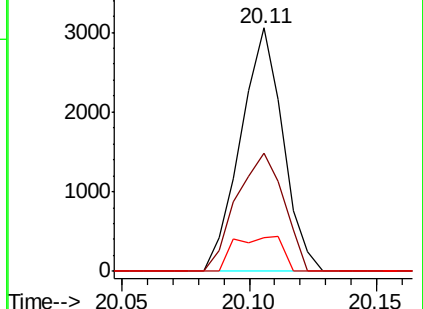
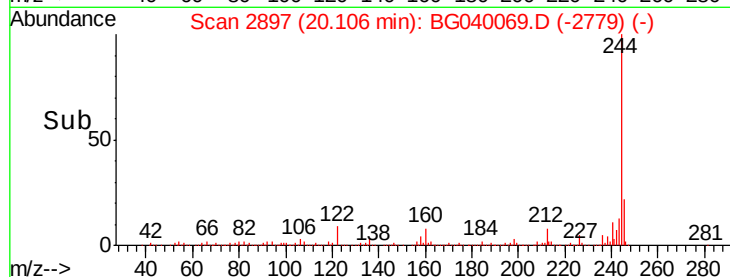
203 13.8 15.3 22.9#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 76.363 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

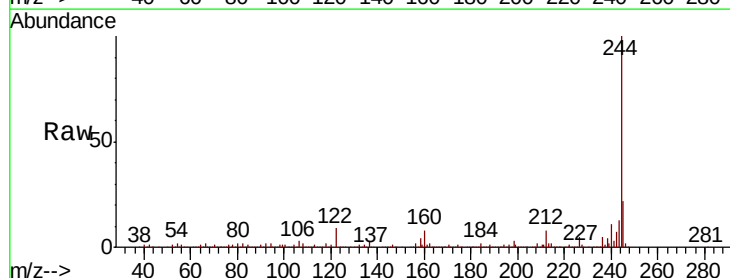
Tgt Ion:244 Resp: 962244

Ion Ratio Lower Upper

244 100

212 8.5 7.3 10.9

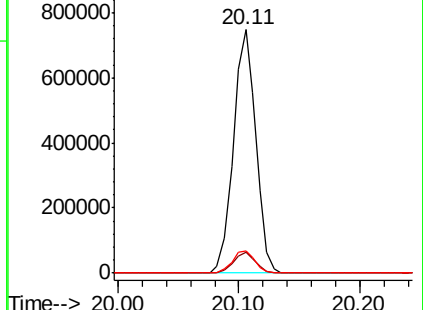
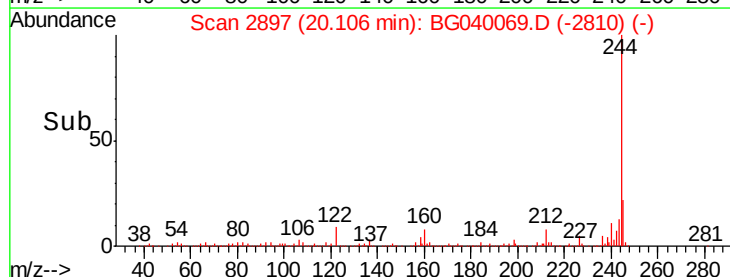
122 9.0 8.4 12.6

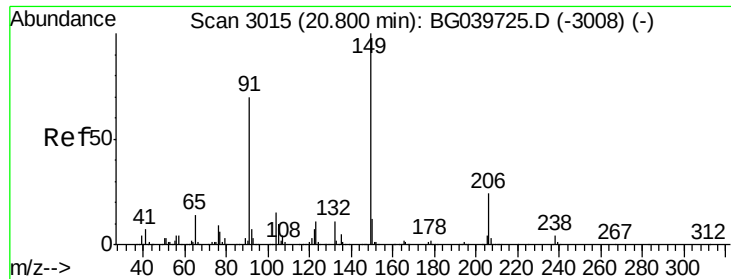


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

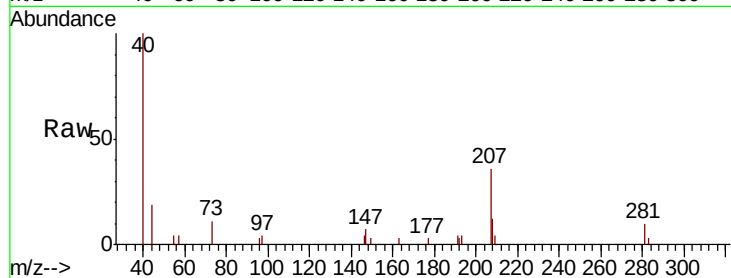




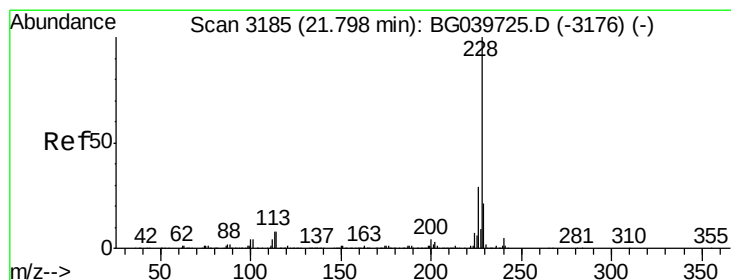
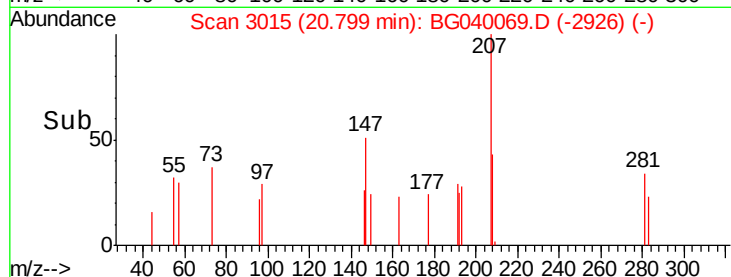
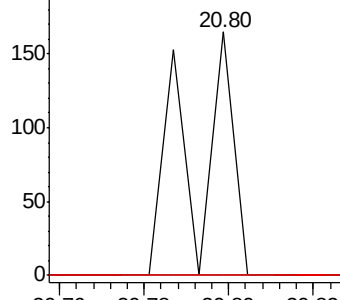
#80  
Butylbenzylphthalate  
Concen: 0.016 ng  
RT: 20.80 min Scan# 3015  
Delta R.T. -0.01 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

Instrument :  
BNA\_G  
ClientSampleId :  
PB118155BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 0.0   | 59.5  | 89.3# |
| 206     | 0.0   | 18.6  | 27.8# |

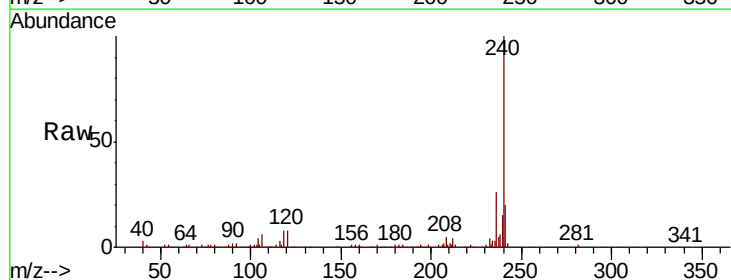


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

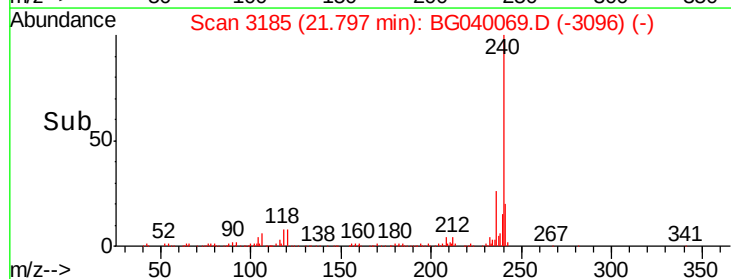
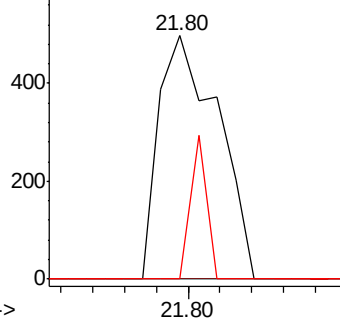


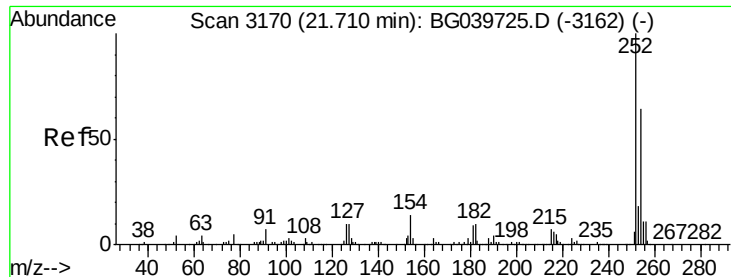
#81  
Benzo(a)anthracene  
Concen: 0.037 ng  
RT: 21.80 min Scan# 3185  
Delta R.T. -0.01 min  
Lab File: BG040069.D  
Acq: 21 Mar 2019 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 23.0  | 34.6# |
| 229     | 0.0   | 16.9  | 25.3# |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

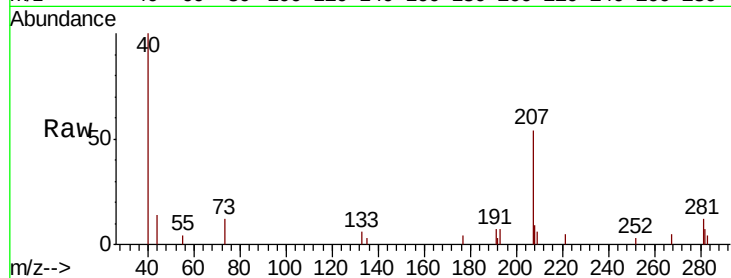




#82  
 3,3'-Dichlorobenzidine  
 Concen: 0.008 ng  
 RT: 21.26 min Scan# 3093  
 Delta R.T. -0.46 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

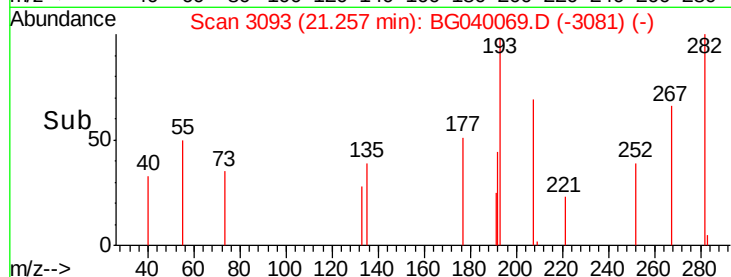
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118155BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 0.0   | 51.3  | 76.9# |
| 126     | 0.0   | 8.0   | 12.0# |

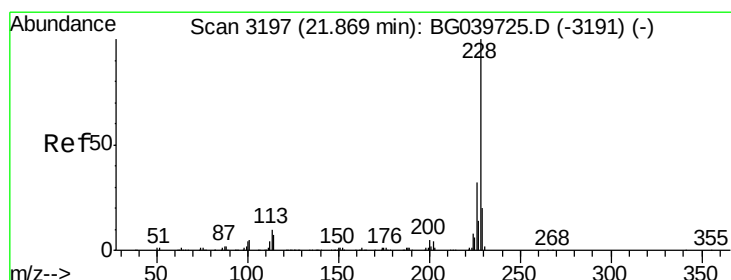


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

21.26

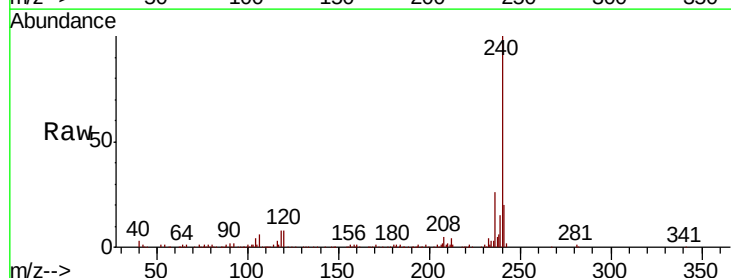


Time-->



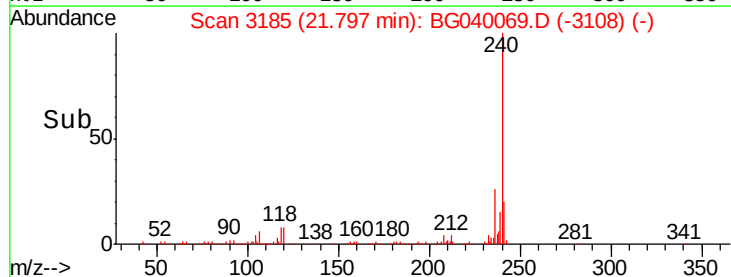
#83  
 Chrysene  
 Concen: 0.038 ng  
 RT: 21.80 min Scan# 3185  
 Delta R.T. -0.08 min  
 Lab File: BG040069.D  
 Acq: 21 Mar 2019 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 25.8  | 38.6# |
| 229     | 0.0   | 16.6  | 25.0# |

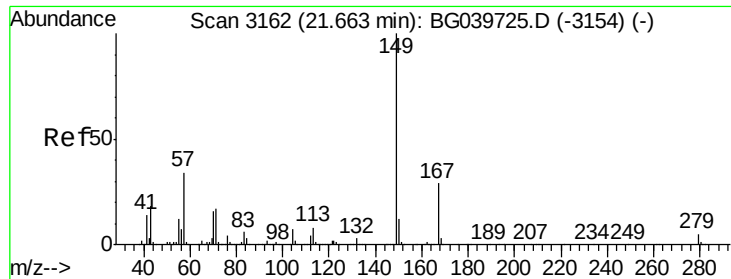


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

21.80



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.005 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.07 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

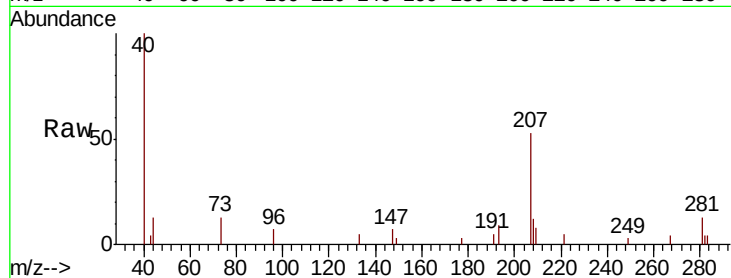
Instrument :

BNA\_G

ClientSampleId :

PB118155BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 53    |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 0.0   | 22.6  | 34.0# |
| 279      | 0.0   | 3.5   | 5.3#  |

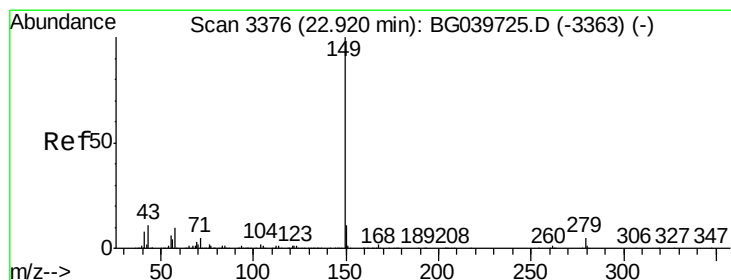
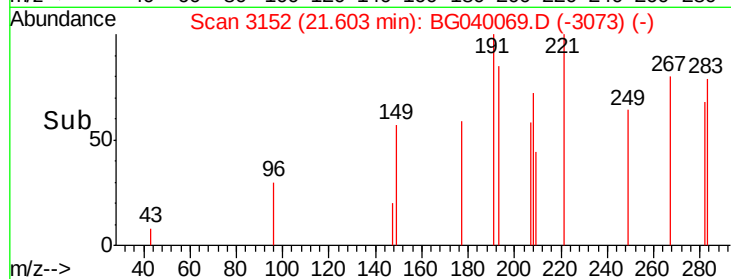
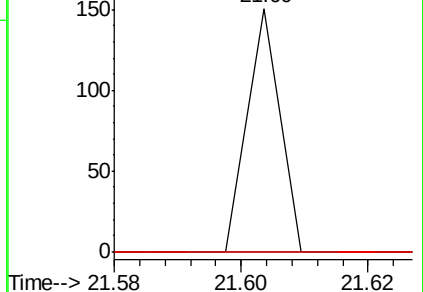


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

21.60



#85

Di-n-octyl phthalate

Concen: 0.003 ng

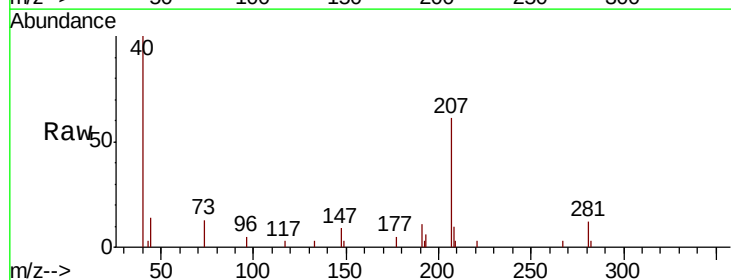
RT: 22.91 min Scan# 3374

Delta R.T. -0.02 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 54    |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 167      | 0.0   | 1.3   | 1.9#  |
| 43       | 550.0 | 10.2  | 15.4# |

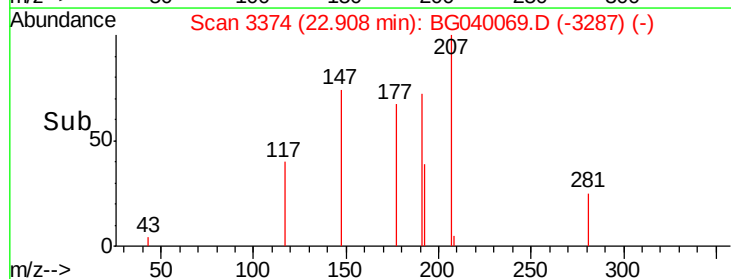
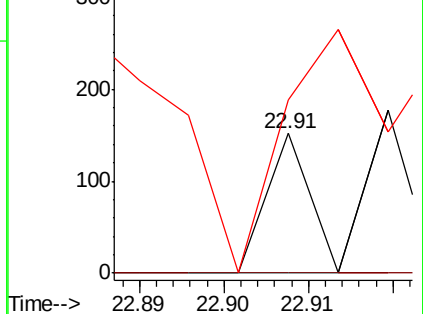


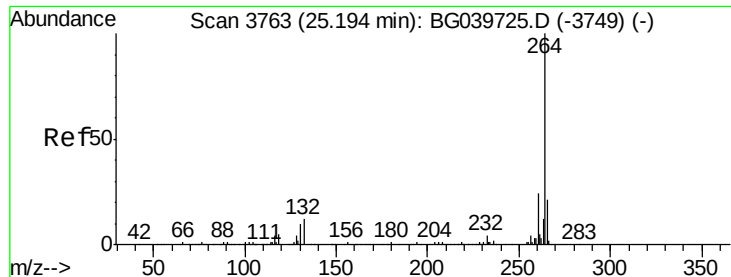
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

22.91





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

Instrument :

BNA\_G

ClientSampleId :

PB118155BL

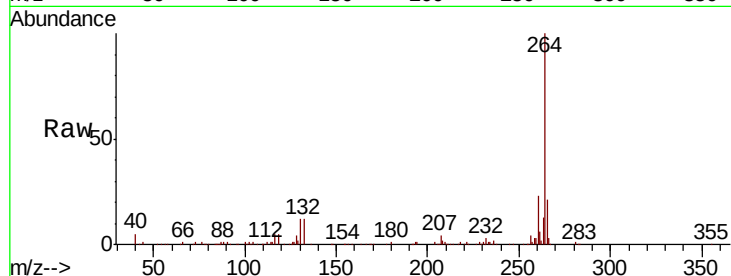
Tgt Ion:264 Resp: 270605

Ion Ratio Lower Upper

264 100

260 23.1 18.2 27.4

265 21.1 18.5 27.7

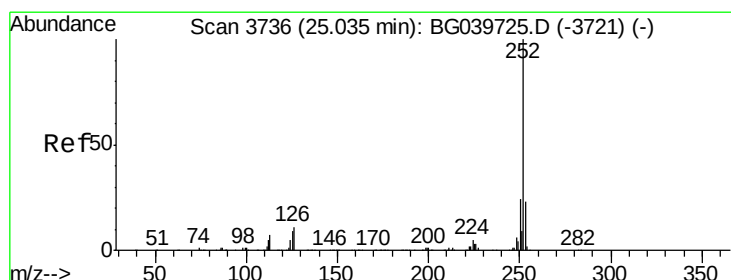
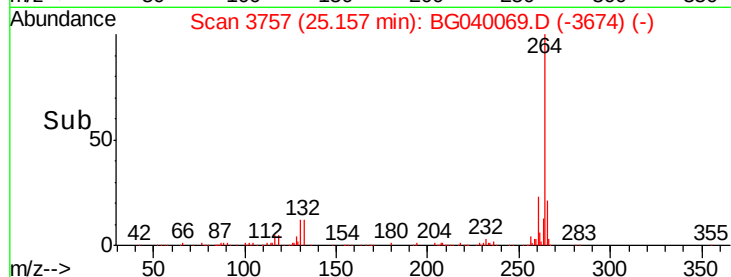
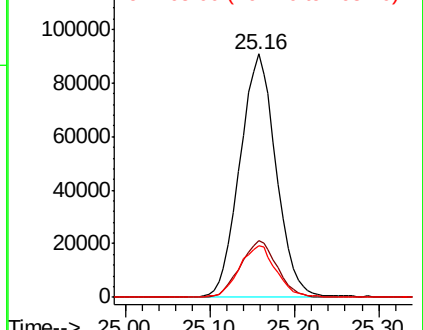


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#90

Benzo(a)pyrene

Concen: 0.027 ng

RT: 25.14 min Scan# 3754

Delta R.T. 0.10 min

Lab File: BG040069.D

Acq: 21 Mar 2019 17:11

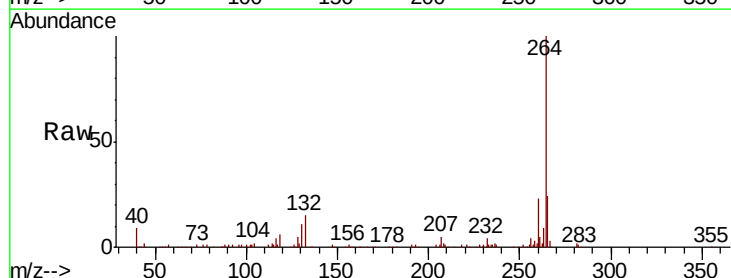
Tgt Ion:252 Resp: 398

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 0.0 8.3 12.5#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

