

Data File : BG044087.D  
Acq On : 17 Jan 2020 23:13  
Operator : JU  
Sample : L1162-05  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

Quant Time: Jan 18 03:15:59 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 75186    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.73 | 136  | 319295   | 20.00 | ng    | -0.04    |
| 39) Acenaphthene-d10      | 14.57 | 164  | 226509   | 20.00 | ng    | -0.03    |
| 64) Phenanthrene-d10      | 17.31 | 188  | 491234   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.56 | 240  | 407719   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 24.67 | 264  | 460884   | 20.00 | ng    | -0.05    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.51  | 112 | 332270  | 81.14  | ng | -0.02 |
| 7) Phenol-d6                | 7.10  | 99  | 284838  | 49.76  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 9.09  | 82  | 537319  | 90.02  | ng | -0.04 |
| 42) 2,4,6-Tribromophenol    | 16.05 | 330 | 395838  | 166.99 | ng | -0.03 |
| 45) 2-Fluorobiphenyl        | 13.19 | 172 | 1276504 | 102.10 | ng | -0.03 |
| 79) Terphenyl-d14           | 19.93 | 244 | 1855624 | 122.30 | ng | -0.03 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.45  | 88  | 379   | 0.212  | ng | # 75 |
| 3) Pyridine                    | 3.83  | 79  | 58    | 0.011  | ng | # 1  |
| 4) n-Nitrosodimethylamine      | 3.75  | 42  | 258   | 0.110  | ng | # 1  |
| 6) Aniline                     | 7.26  | 93  | 125   | 0.017  | ng | # 43 |
| 8) 2-Chlorophenol              | 7.49  | 128 | 134   | 0.028  | ng | # 1  |
| 9) Benzaldehyde                | 7.05  | 77  | 55    | 0.015  | ng | # 1  |
| 10) Phenol                     | 7.13  | 94  | 13626 | 2.311  | ng | 98   |
| 11) bis(2-Chloroethyl)ether    | 7.26  | 93  | 125   | 0.025  | ng | # 21 |
| 12) 1,3-Dichlorobenzene        | 8.26  | 146 | 112   | 0.020  | ng | # 1  |
| 13) 1,4-Dichlorobenzene        | 8.26  | 146 | 112   | 0.020  | ng | # 1  |
| 14) 1,2-Dichlorobenzene        | 8.26  | 146 | 112   | 0.021  | ng | # 1  |
| 15) Benzyl Alcohol             | 8.26  | 79  | 8361  | 1.851  | ng | # 48 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75  | 45  | 54    | 0.007  | ng | 68   |
| 17) 2-Methylphenol             | 8.60  | 107 | 59    | 0.014  | ng | # 13 |
| 19) n-Nitroso-di-n-propylamine | 9.09  | 70  | 69222 | 16.239 | ng | # 80 |
| 20) 3+4-Methylphenols          | 8.60  | 107 | 59    | 0.010  | ng | # 20 |
| 22) Acetophenone               | 8.75  | 105 | 164   | 0.021  | ng | # 16 |
| 24) Nitrobenzene               | 9.09  | 77  | 1679  | 0.284  | ng | # 39 |
| 25) Isophorone                 | 9.76  | 82  | 118   | 0.011  | ng | # 65 |
| 31) Naphthalene                | 10.78 | 128 | 2126  | 0.138  | ng | # 77 |
| 33) 4-Chloroaniline            | 10.78 | 127 | 74    | 0.010  | ng | # 47 |
| 37) 2-Methylnaphthalene        | 12.41 | 142 | 1104  | 0.095  | ng | # 85 |
| 38) 1-Methylnaphthalene        | 12.62 | 142 | 377   | 0.034  | ng | # 91 |
| 46) 1,1'-Biphenyl              | 13.40 | 154 | 2730  | 0.168  | ng | # 86 |
| 48) 2-Nitroaniline             | 13.47 | 65  | 64    | 0.015  | ng | # 3  |
| 49) Acenaphthylene             | 14.30 | 152 | 60    | 0.003  | ng | # 56 |
| 50) Dimethylphthalate          | 14.02 | 163 | 65876 | 4.096  | ng | 96   |
| 51) 2,6-Dinitrotoluene         | 14.57 | 165 | 29441 | 8.099  | ng | # 26 |
| 52) Acenaphthene               | 14.57 | 154 | 749   | 0.057  | ng | # 4  |
| 55) Dibenzofuran               | 14.97 | 168 | 58    | 0.003  | ng | # 43 |
| 57) 2,4-Dinitrotoluene         | 14.57 | 165 | 29441 | 5.952  | ng | # 26 |
| 58) Fluorene                   | 16.05 | 166 | 18635 | 1.291  | ng | # 93 |
| 60) Diethylphthalate           | 15.38 | 149 | 856   | 0.053  | ng | # 85 |
| 63) Azobenzene                 | 15.85 | 77  | 188   | 0.013  | ng | # 36 |

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|--------------------------------|-------|------|----------|-------|-------|----------|----|
| 65) 4,6-Dinitro-2-methylphenol | 16.05 | 198  | 1507     | 4.931 | ng    | #        | 1  |
| 66) n-Nitrosodiphenylamine     | 16.05 | 169  | 15130    | 1.046 | ng    | #        | 46 |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 28488    | 5.156 | ng    | #        | 1  |
| 71) Phenanthrene               | 17.35 | 178  | 1736     | 0.074 | ng    | #        | 76 |
| 72) Anthracene                 | 17.46 | 178  | 1133     | 0.049 | ng    | #        | 65 |
| 73) Carbazole                  | 17.72 | 167  | 261      | 0.012 | ng    | #        | 54 |
| 74) Di-n-butylphthalate        | 18.28 | 149  | 1945     | 0.071 | ng    | #        | 73 |
| 75) Fluoranthene               | 19.36 | 202  | 3233     | 0.120 | ng    |          | 97 |
| 77) Benzidine                  | 19.93 | 184  | 32896    | 3.210 | ng    | #        | 92 |
| 78) Pyrene                     | 19.72 | 202  | 3462     | 0.130 | ng    |          | 93 |
| 80) Butylbenzylphthalate       | 20.61 | 149  | 1979     | 0.156 | ng    | #        | 91 |
| 81) Benzo(a)anthracene         | 21.55 | 228  | 3877     | 0.153 | ng    | #        | 66 |
| 82) 3,3'-Dichlorobenzidine     | 21.47 | 252  | 405      | 0.041 | ng    | #        | 63 |
| 83) Chrysene                   | 21.60 | 228  | 2641     | 0.110 | ng    | #        | 84 |
| 84) Bis(2-ethylhexyl)phthalate | 21.47 | 149  | 11400    | 0.652 | ng    | #        | 97 |
| 85) Di-n-octyl phthalate       | 22.64 | 149  | 7689     | 0.262 | ng    | #        | 82 |
| 86) Indeno(1,2,3-cd)pyrene     | 28.28 | 276  | 293      | 0.009 | ng    | #        | 63 |
| 88) Benzo(b)fluoranthene       | 23.69 | 252  | 6013     | 0.221 | ng    | #        | 92 |
| 89) Benzo(k)fluoranthene       | 23.75 | 252  | 3866     | 0.149 | ng    | #        | 87 |
| 90) Benzo(a)pyrene             | 24.52 | 252  | 4921     | 0.191 | ng    | #        | 82 |
| 91) Dibenzo(a,h)anthracene     | 28.26 | 278  | 1088     | 0.042 | ng    | #        | 43 |
| 92) Benzo(g,h,i)perylene       | 29.33 | 276  | 333      | 0.013 | ng    | #        | 51 |

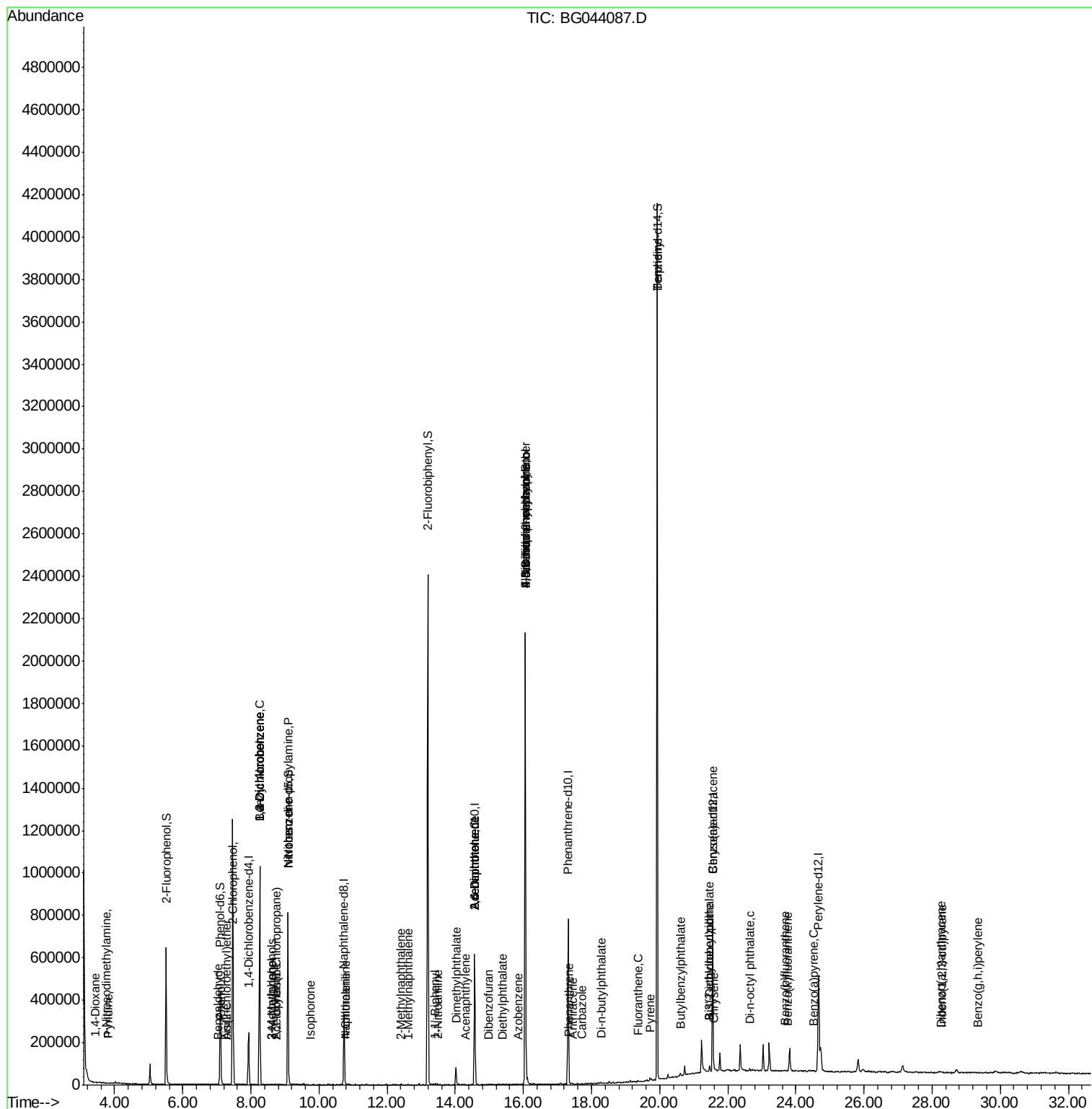
(#) = qualifier out of range (m) = manual integration (+) = signals summed

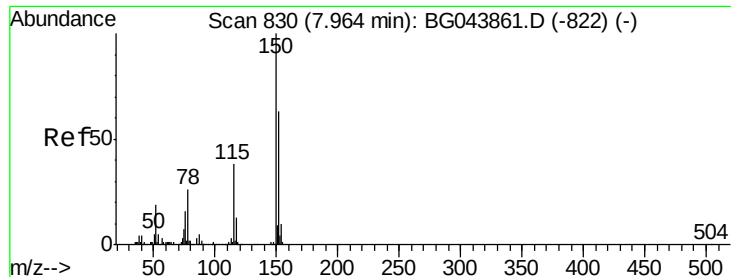
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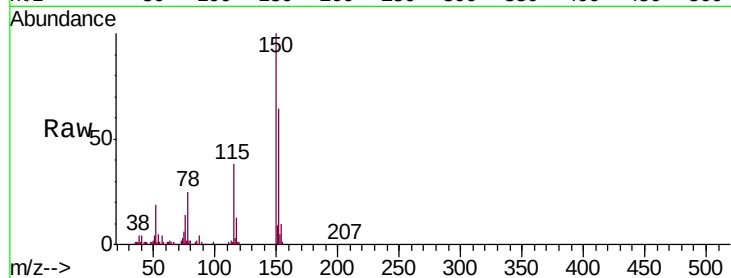


#1

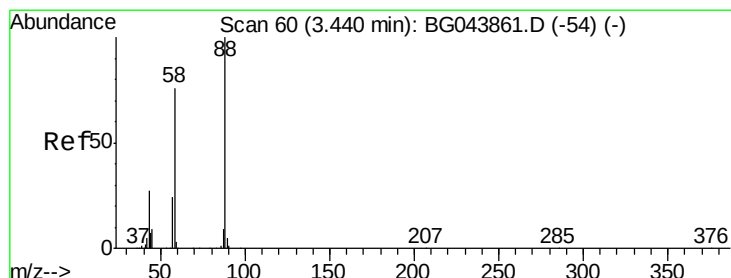
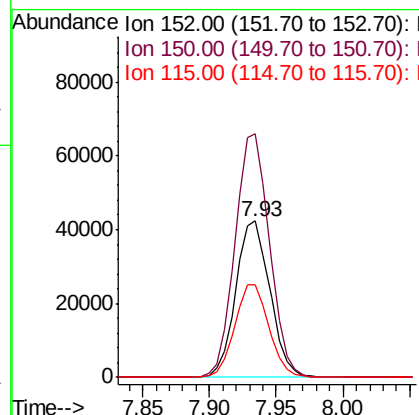
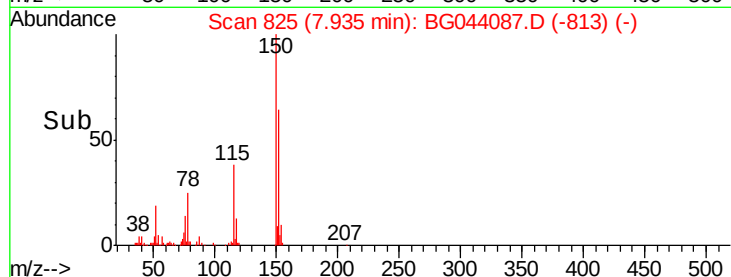
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 825  
Delta R.T. -0.03 min  
Lab File: BG044087.D  
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BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

Tgt Ion:152 Resp: 75186  
Ion Ratio Lower Upper  
152 100  
150 156.1 127.0 190.4  
115 59.3 47.8 71.8



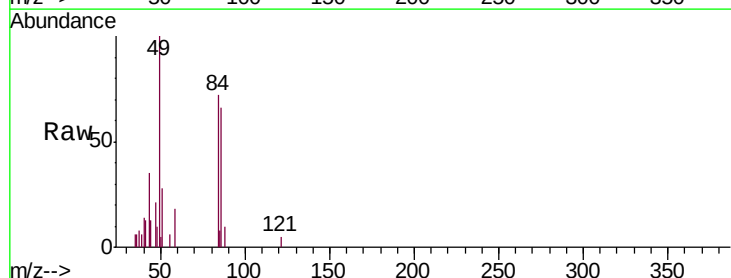
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



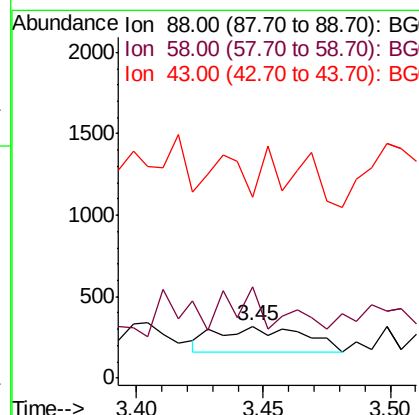
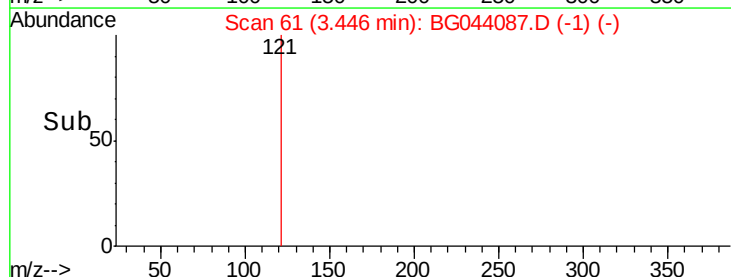
#2

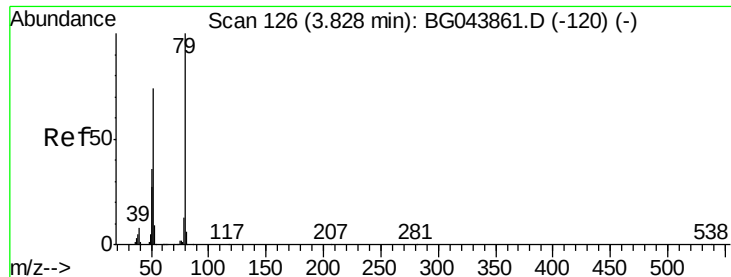
1,4-Dioxane  
Concen: 0.212 ng  
RT: 3.45 min Scan# 61  
Delta R.T. 0.01 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Tgt Ion: 88 Resp: 379  
Ion Ratio Lower Upper  
88 100  
58 63.3 59.8 89.8  
43 0.0 22.9 34.3#



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: 0.011 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.00 min

Lab File: BG044087.D

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Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

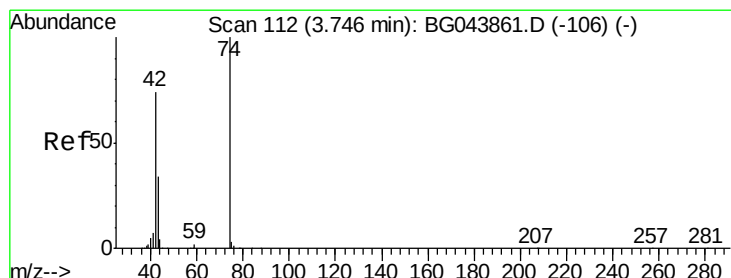
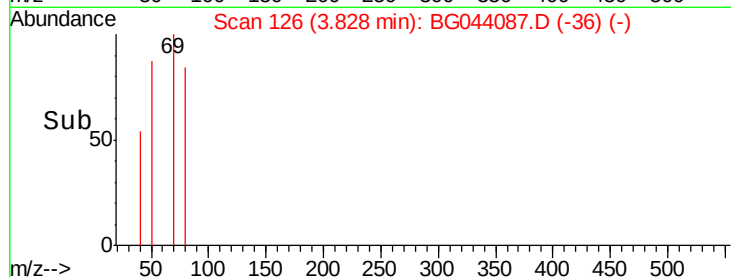
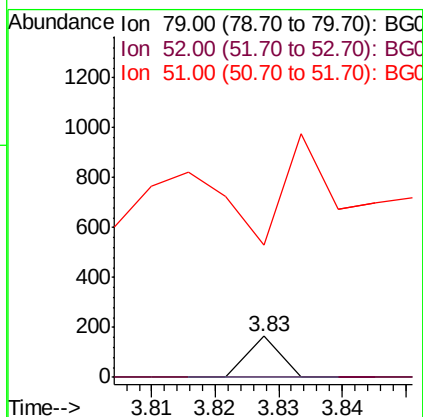
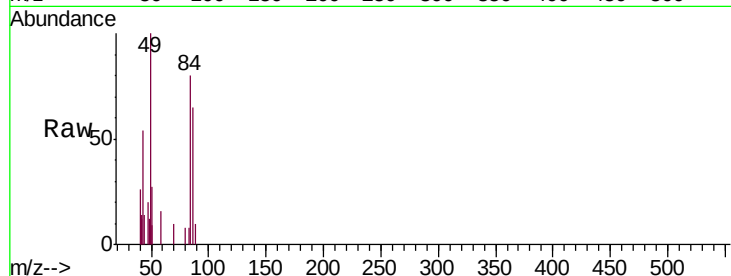
Tgt Ion: 79 Resp: 58

Ion Ratio Lower Upper

79 100

52 0.0 58.9 88.3#

51 322.6 28.6 43.0#



#4

n-Nitrosodimethylamine

Concen: 0.110 ng

RT: 3.75 min Scan# 112

Delta R.T. -0.00 min

Lab File: BG044087.D

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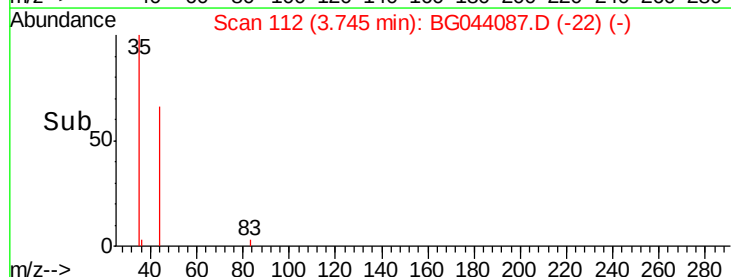
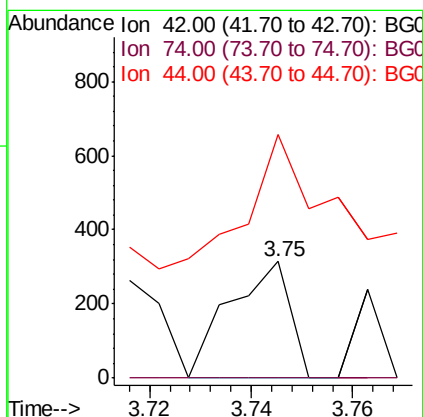
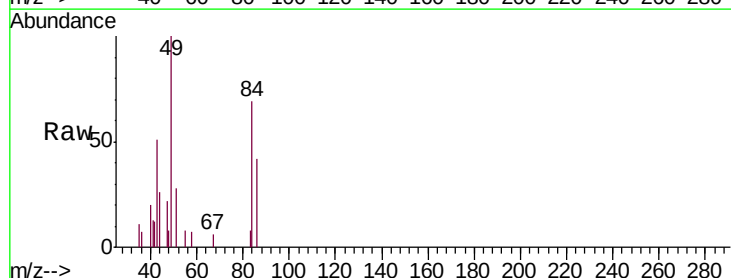
Tgt Ion: 42 Resp: 258

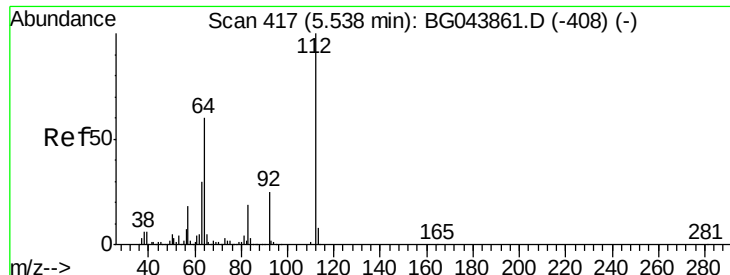
Ion Ratio Lower Upper

42 100

74 0.0 108.6 162.8#

44 209.2 5.0 7.6#





#5

2-Fluorophenol

Concen: 81.144 ng

RT: 5.51 min Scan# 413

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

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ClientSampleId :

MH-109-(SETTLED)

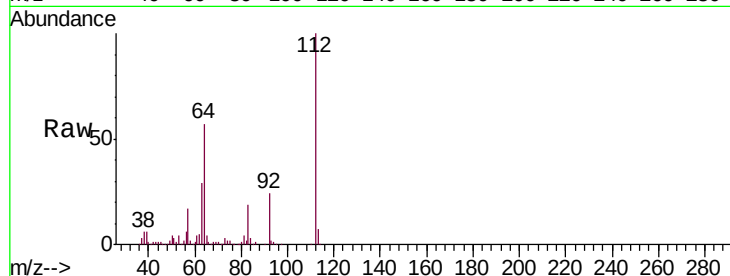
Tgt Ion: 112 Resp: 332270

Ion Ratio Lower Upper

112 100

64 56.7 47.8 71.6

63 28.8 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

250000

200000

150000

100000

50000

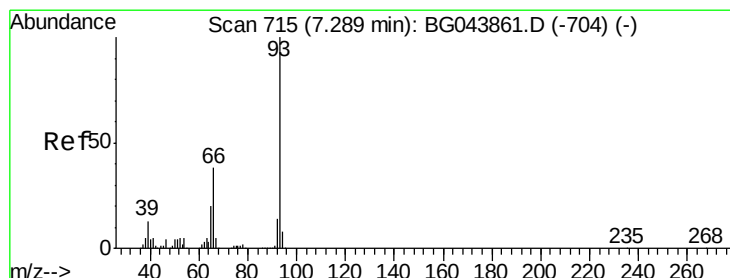
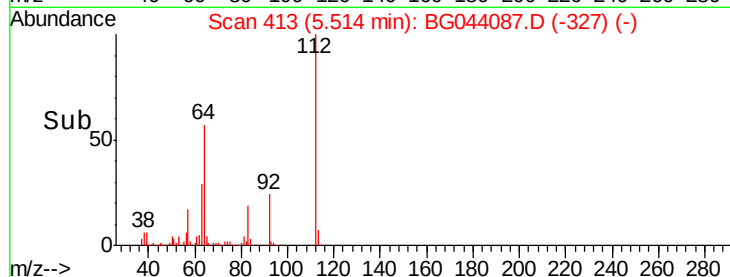
0

5.40

5.51

5.60

Time-->



#6

Aniline

Concen: 0.017 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

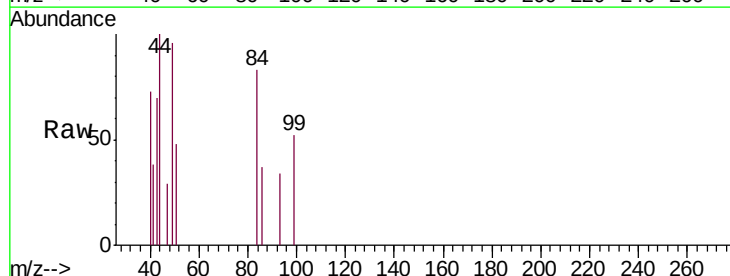
Tgt Ion: 93 Resp: 125

Ion Ratio Lower Upper

93 100

66 0.0 30.8 46.2#

65 0.0 16.0 24.0#



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

250

200

150

100

50

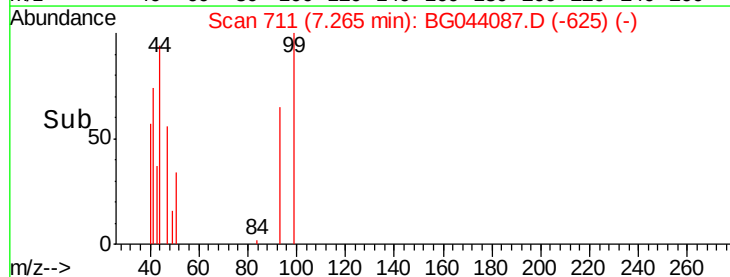
0

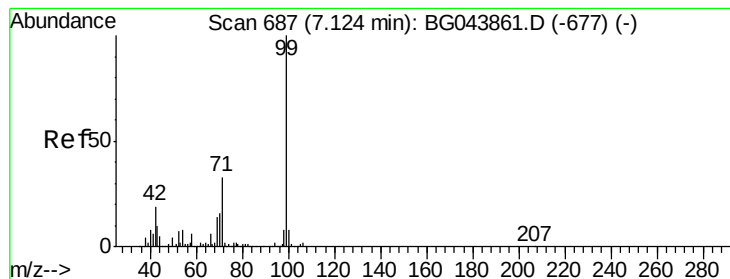
7.24

7.26

7.28

Time-->





#7

Phenol-d6

Concen: 49.764 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

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ClientSampleId :

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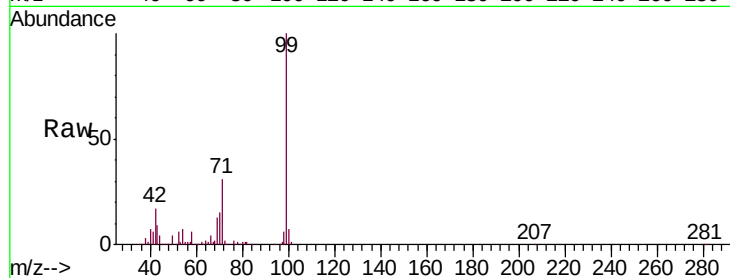
Tgt Ion: 99 Resp: 284838

Ion Ratio Lower Upper

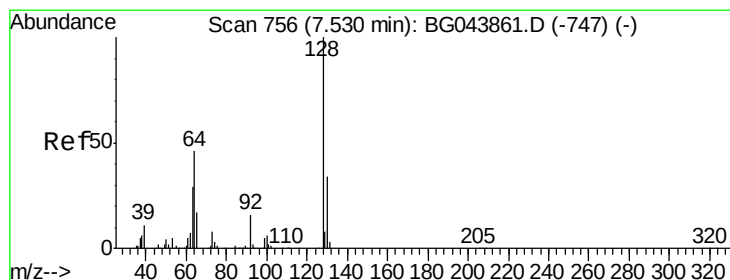
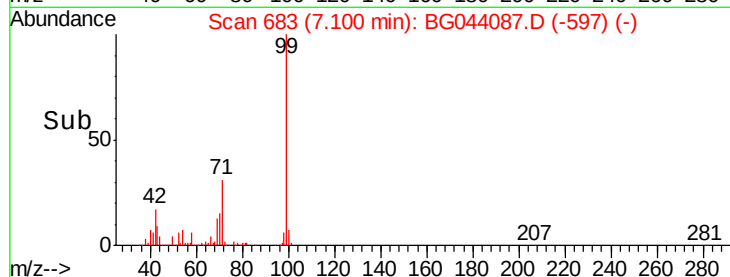
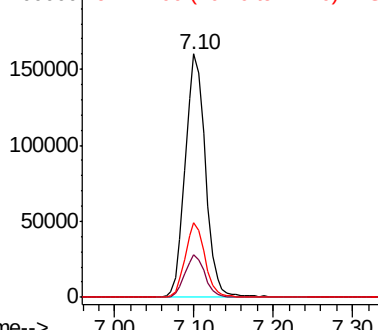
99 100

42 17.3 14.9 22.3

71 30.8 26.4 39.6



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: 0.028 ng

RT: 7.49 min Scan# 749

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

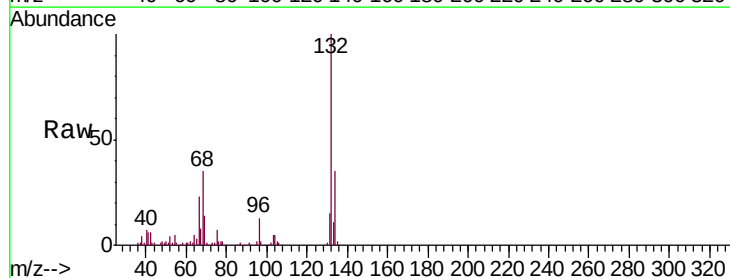
Tgt Ion: 128 Resp: 134

Ion Ratio Lower Upper

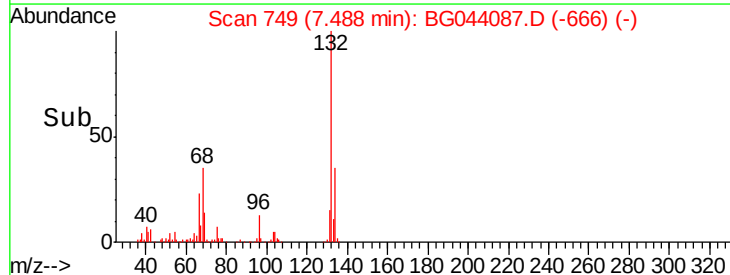
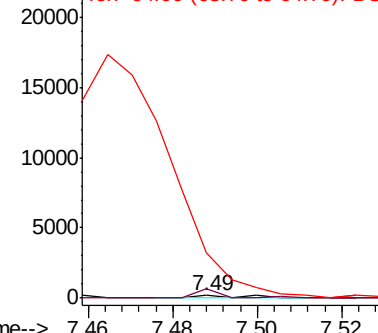
128 100

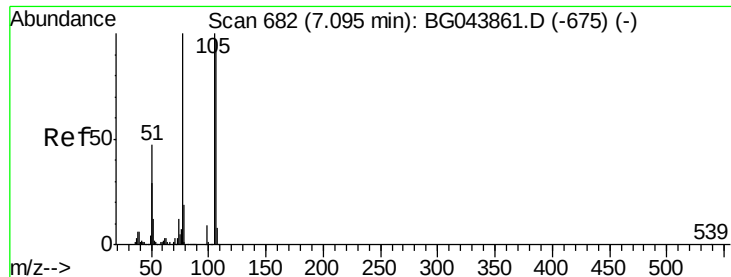
130 338.0 13.8 53.8#

64 1657.8 27.6 67.6#



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: 0.015 ng

RT: 7.05 min Scan# 674

Delta R.T. -0.05 min

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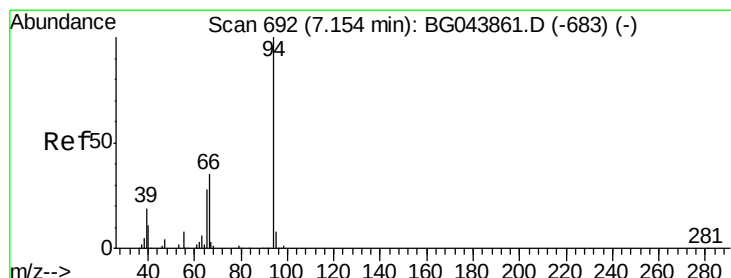
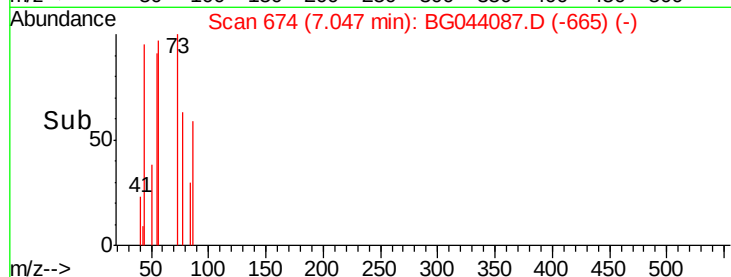
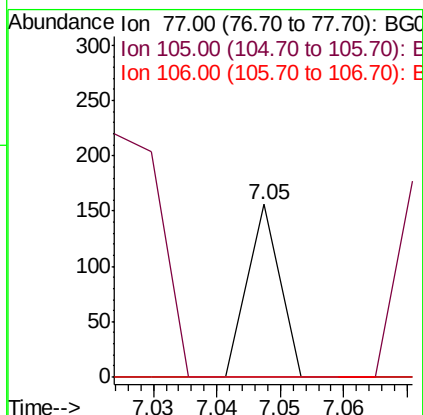
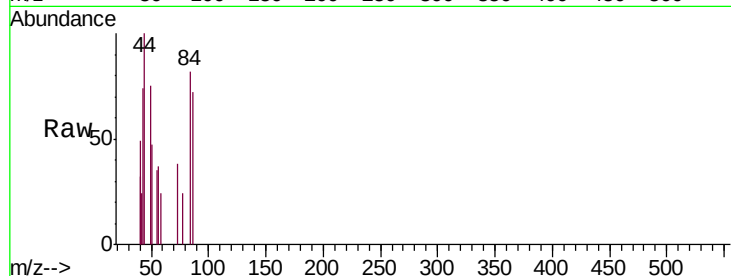
Tgt Ion: 77 Resp: 55

Ion Ratio Lower Upper

77 100

105 0.0 80.2 120.2#

106 0.0 77.2 117.2#



#10

Phenol

Concen: 2.311 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

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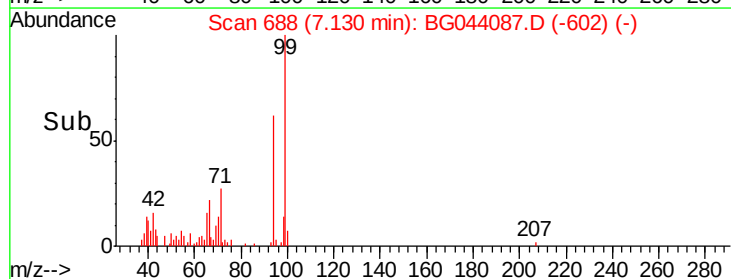
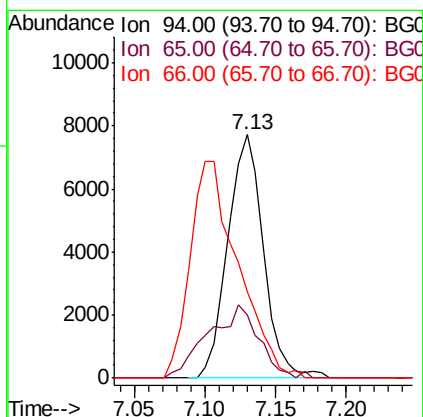
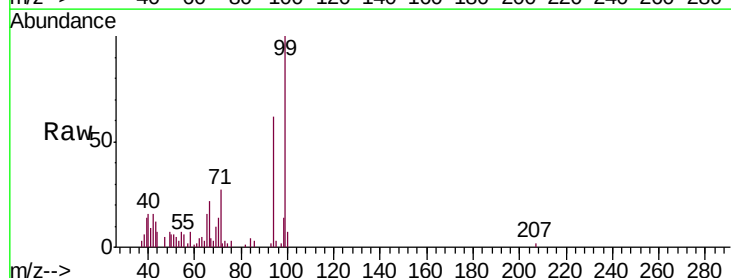
Tgt Ion: 94 Resp: 13626

Ion Ratio Lower Upper

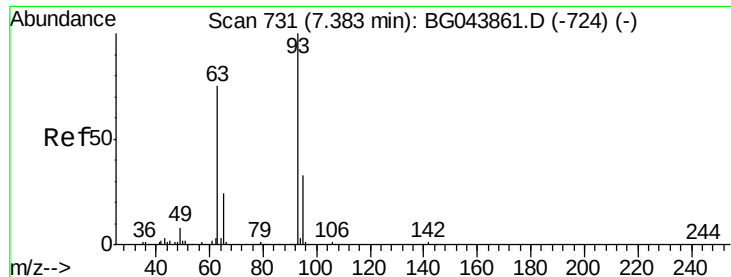
94 100

65 25.8 8.1 48.1

66 35.5 15.6 55.6



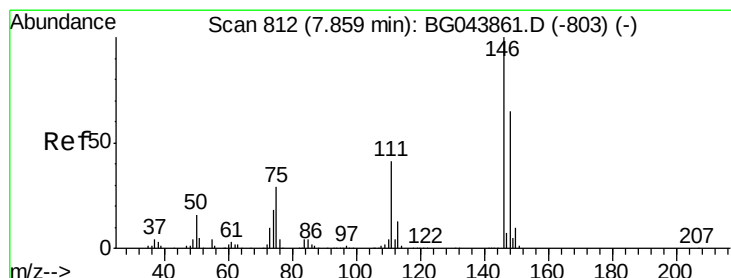
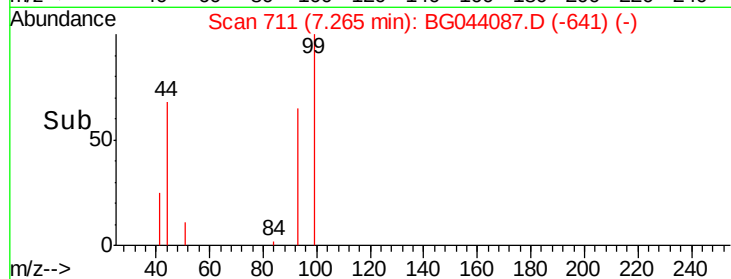
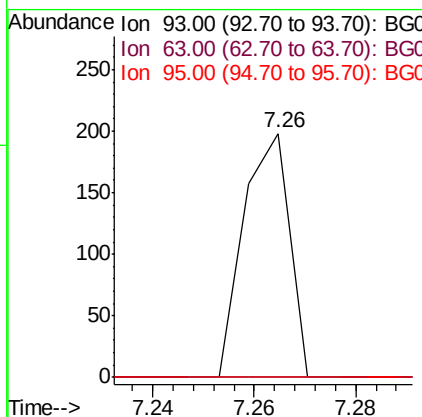
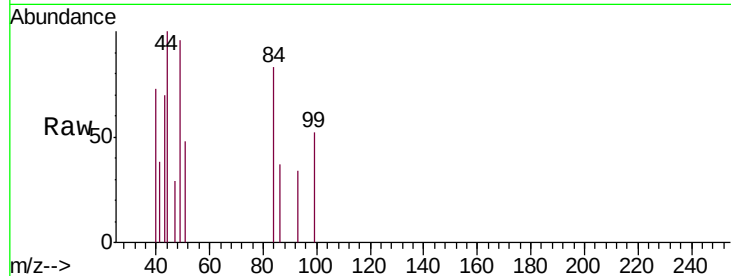




#11  
 bis(2-Chloroethyl)ether  
 Concen: 0.025 ng  
 RT: 7.26 min Scan# 711  
 Delta R.T. -0.12 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

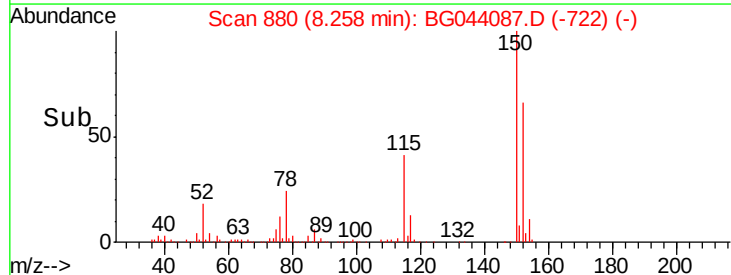
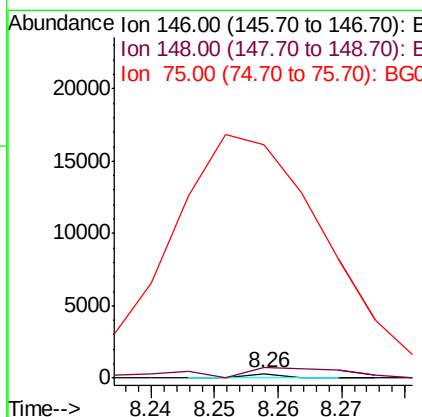
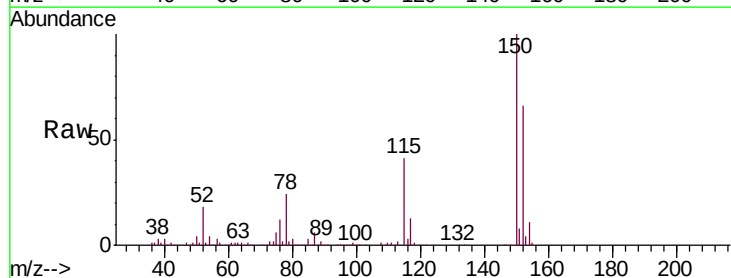
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-109-(SETTLED)

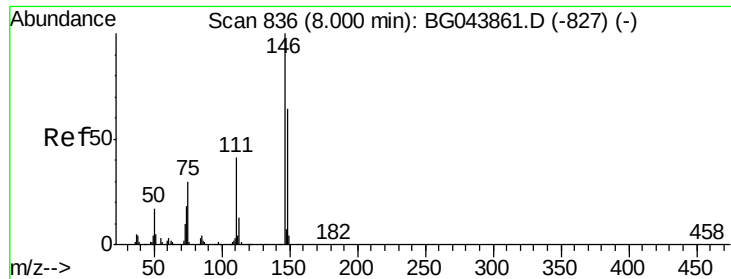
Tgt Ion: 93 Resp: 125  
 Ion Ratio Lower Upper  
 93 100  
 63 0.0 55.0 95.0#  
 95 0.0 13.3 53.3#



#12  
 1,3-Dichlorobenzene  
 Concen: 0.020 ng  
 RT: 8.26 min Scan# 880  
 Delta R.T. 0.40 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

Tgt Ion: 146 Resp: 112  
 Ion Ratio Lower Upper  
 146 100  
 148 226.1 52.1 78.1#  
 75 5060.1 23.0 34.4#

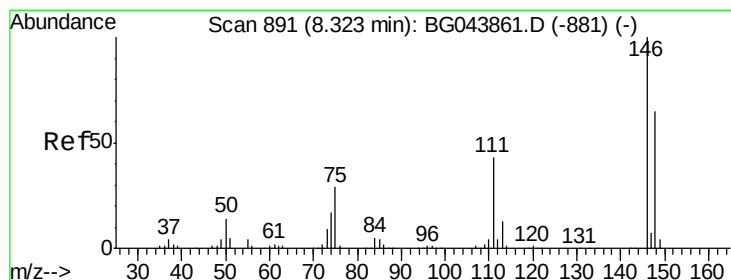
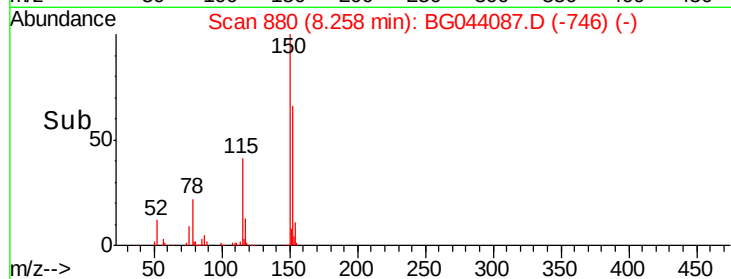
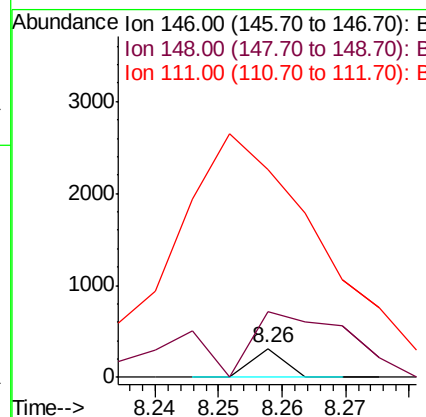
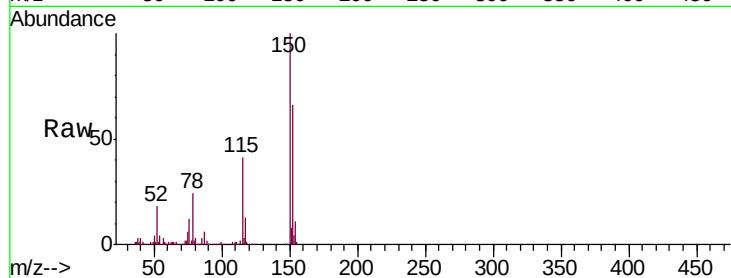




#13  
 1,4-Dichlorobenzene  
 Concen: 0.020 ng  
 RT: 8.26 min Scan# 880  
 Delta R.T. 0.26 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

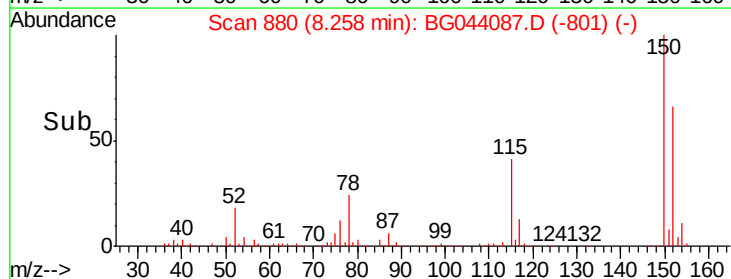
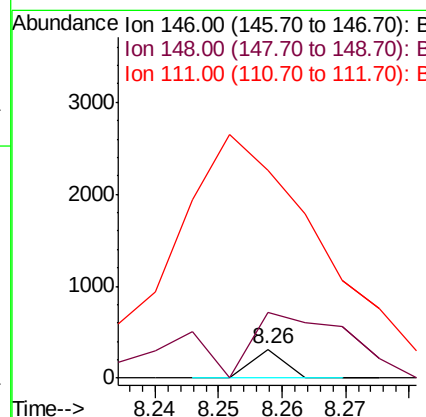
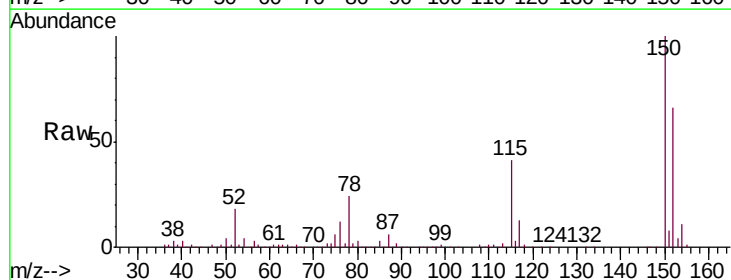
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-109-(SETTLED)

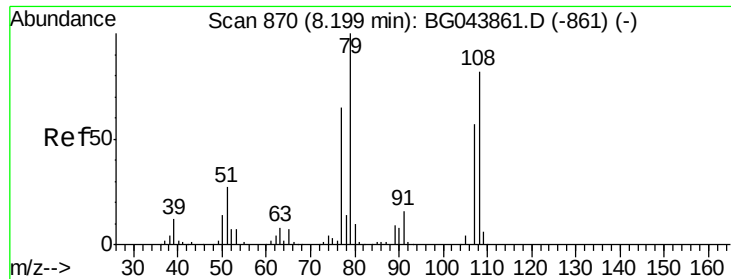
Tgt Ion:146 Resp: 112  
 Ion Ratio Lower Upper  
 146 100  
 148 226.1 51.2 76.8#  
 111 710.4 33.1 49.7#



#14  
 1,2-Dichlorobenzene  
 Concen: 0.021 ng  
 RT: 8.26 min Scan# 880  
 Delta R.T. -0.07 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

Tgt Ion:146 Resp: 112  
 Ion Ratio Lower Upper  
 146 100  
 148 226.1 51.7 77.5#  
 111 710.4 34.4 51.6#





#15

Benzyl Alcohol

Concen: 1.851 ng

RT: 8.26 min Scan# 880

Delta R.T. 0.06 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

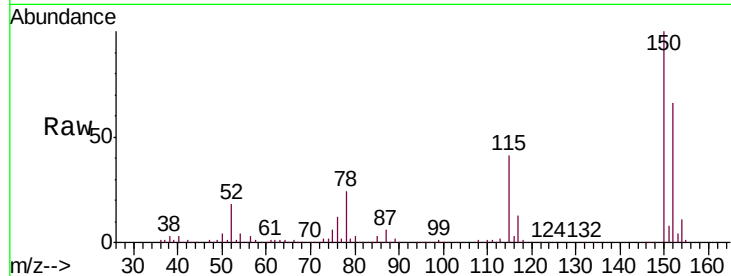
Tgt Ion: 79 Resp: 8361

Ion Ratio Lower Upper

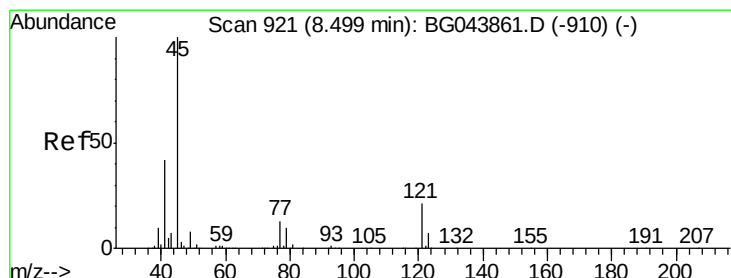
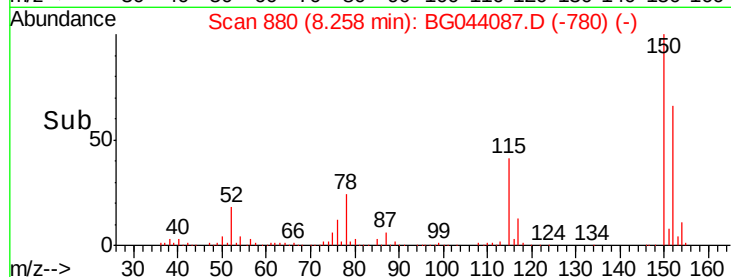
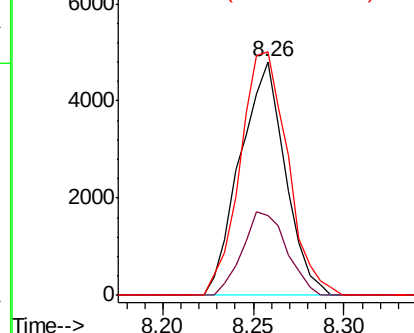
79 100

108 33.9 65.6 98.4#

77 104.1 52.0 78.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.007 ng

RT: 8.75 min Scan# 964

Delta R.T. 0.25 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

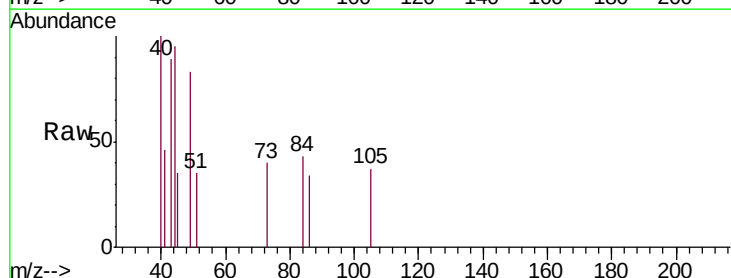
Tgt Ion: 45 Resp: 54

Ion Ratio Lower Upper

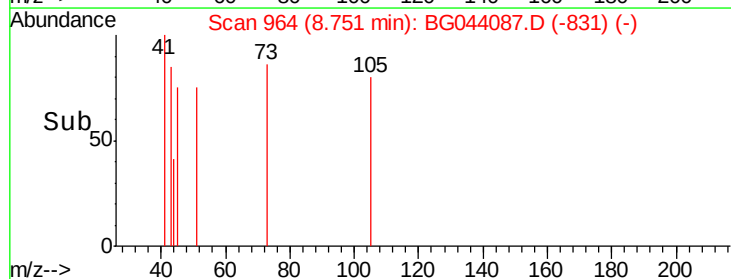
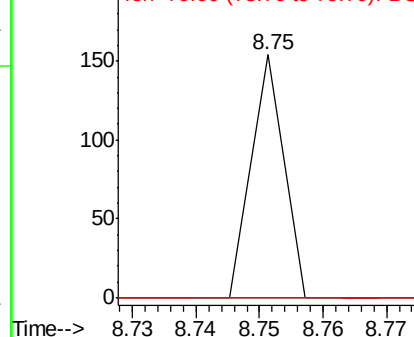
45 100

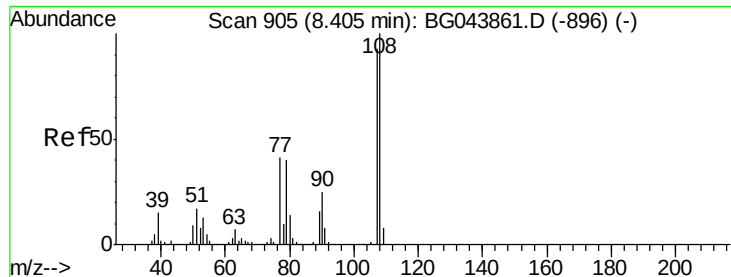
77 0.0 0.0 33.8

79 0.0 0.0 31.0



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

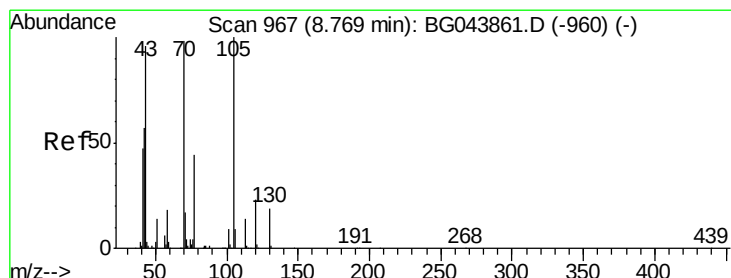
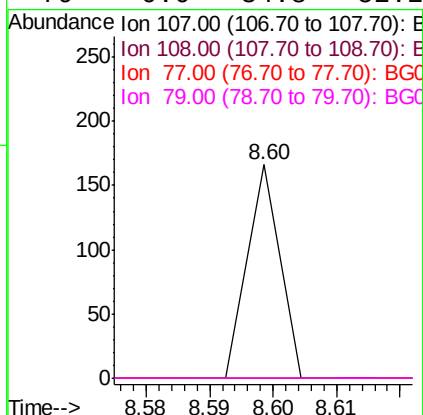
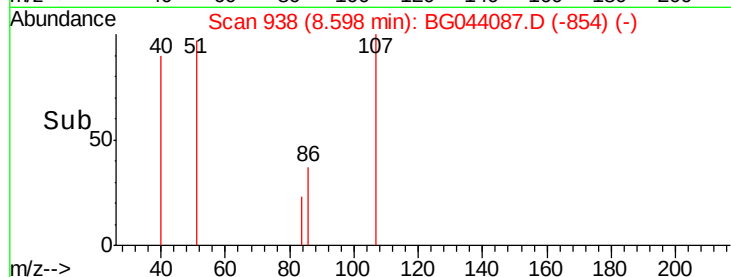
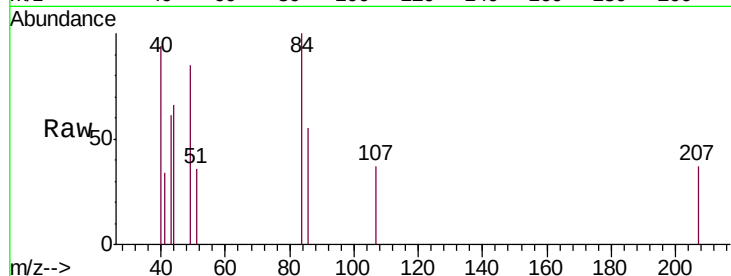




#17  
2-Methylphenol  
Concen: 0.014 ng  
RT: 8.60 min Scan# 938  
Delta R.T. 0.19 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

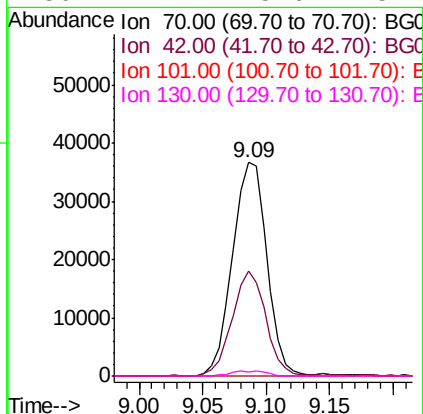
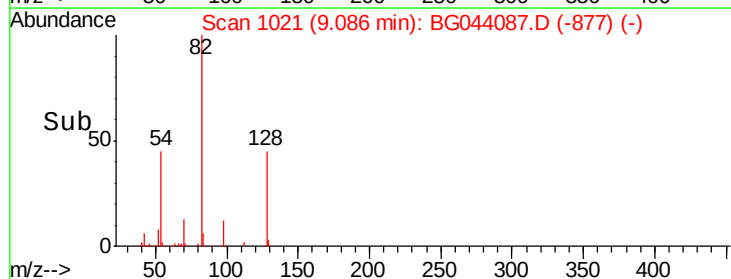
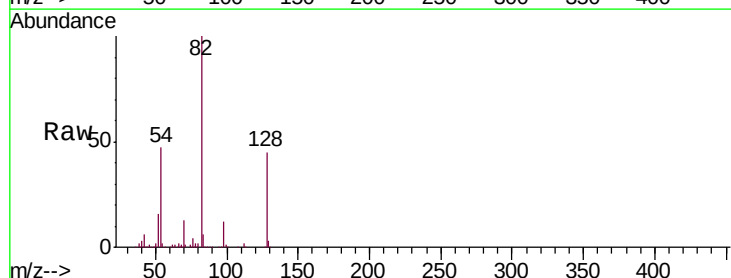
Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

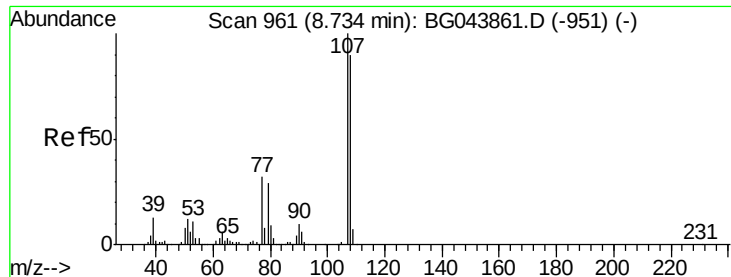
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 0.0   | 86.1  | 129.1# |
| 77      | 0.0   | 35.4  | 53.0#  |
| 79      | 0.0   | 34.8  | 52.2#  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.239 ng  
RT: 9.09 min Scan# 1021  
Delta R.T. 0.32 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 49.4  | 47.0  | 70.4  |
| 101     | 0.0   | 7.2   | 10.8# |
| 130     | 2.1   | 15.6  | 23.4# |

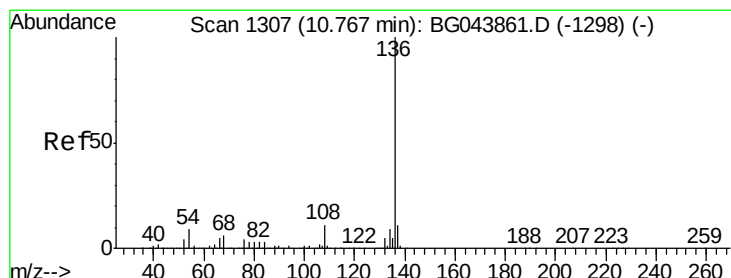
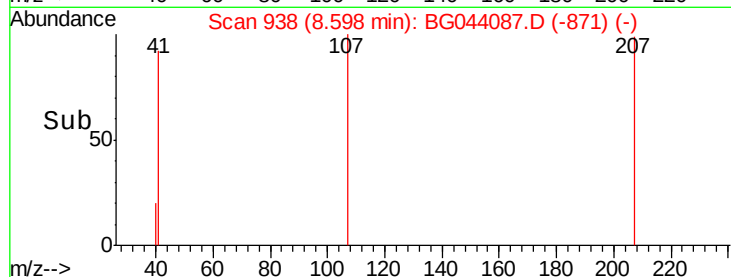
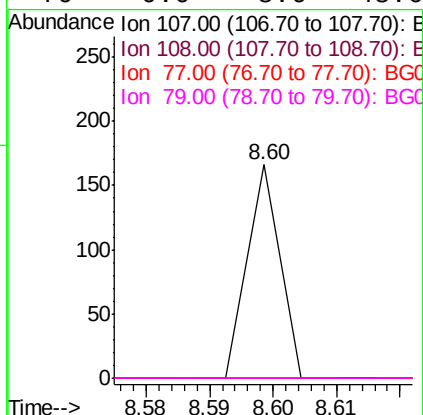
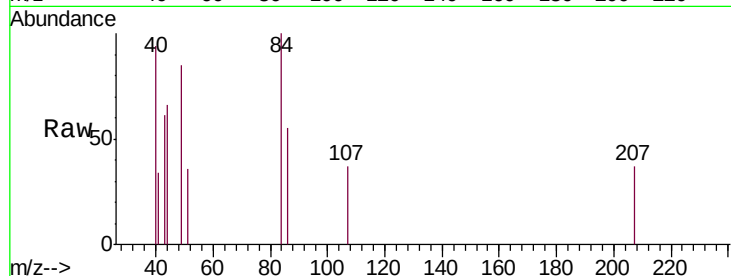




#20  
3+4-Methylphenols  
Concen: 0.010 ng  
RT: 8.60 min Scan# 938  
Delta R.T. -0.14 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

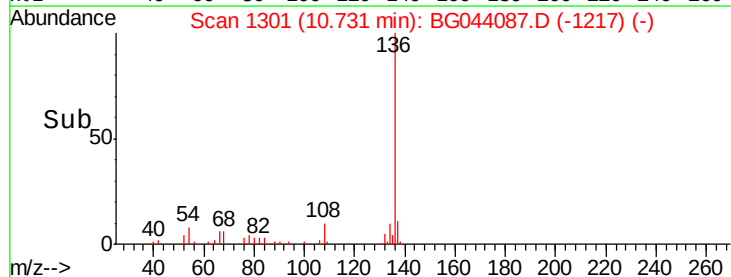
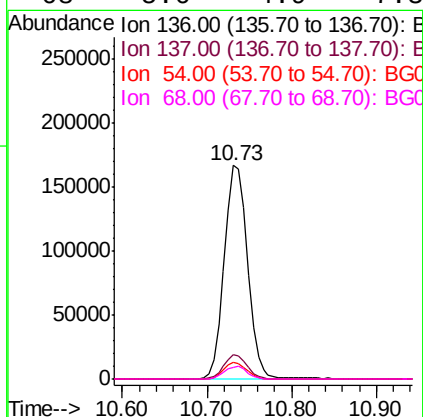
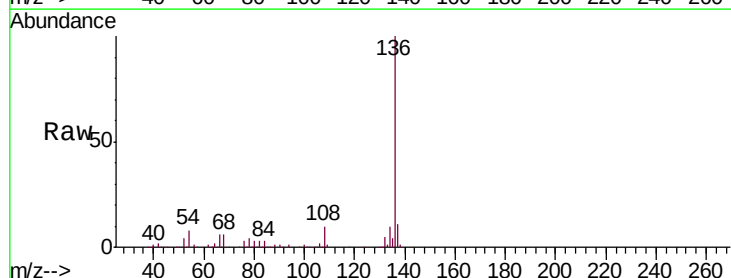
Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

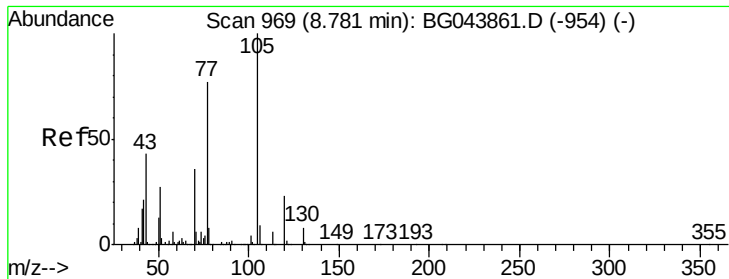
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 59     |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 0.0   | 70.3  | 110.3# |
| 77       | 0.0   | 12.4  | 52.4#  |
| 79       | 0.0   | 8.6   | 48.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.04 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 319295 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.8   | 13.2   |
| 54       | 7.8   | 7.0   | 10.4   |
| 68       | 5.6   | 4.9   | 7.3    |





#22

Acetophenone

Concen: 0.021 ng

RT: 8.75 min Scan# 964

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

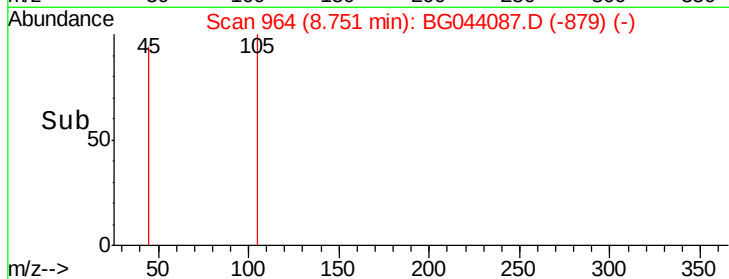
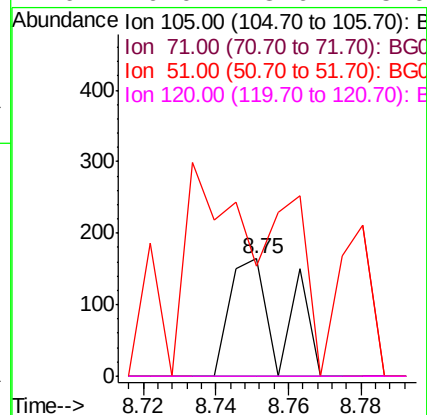
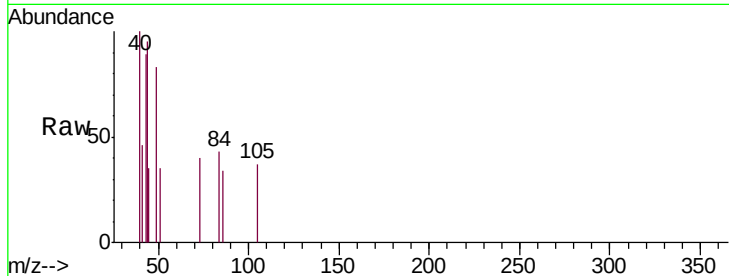
Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 164   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.0   | 4.8   | 7.2#  |
| 51       | 93.9  | 21.4  | 32.0# |
| 120      | 0.0   | 18.6  | 28.0# |



#23

Nitrobenzene-d5

Concen: 90.024 ng

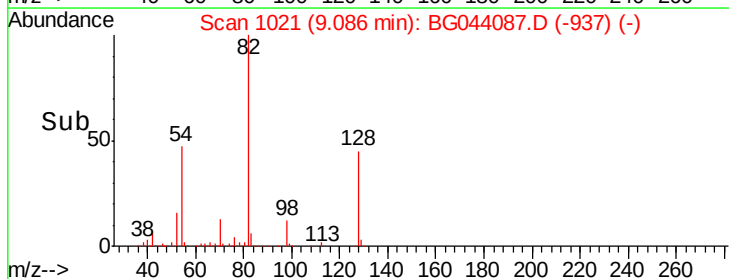
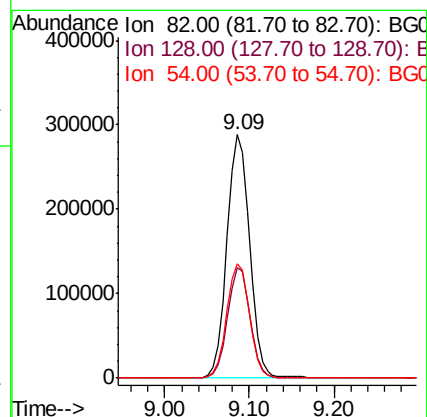
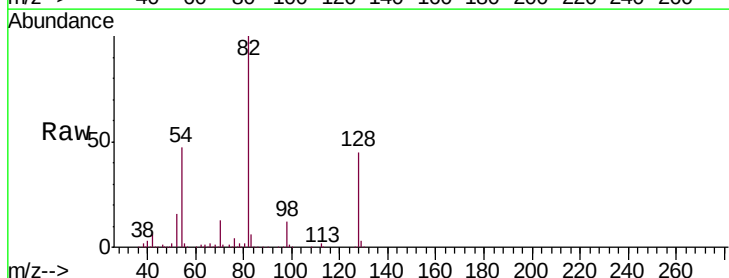
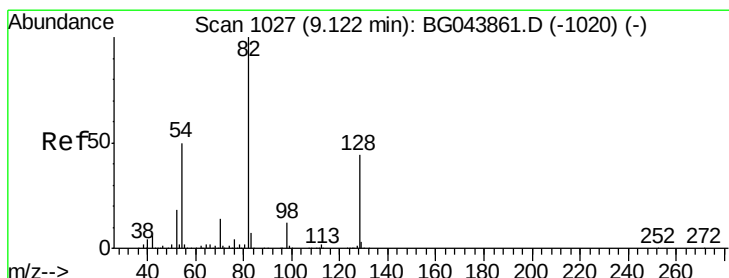
RT: 9.09 min Scan# 1021

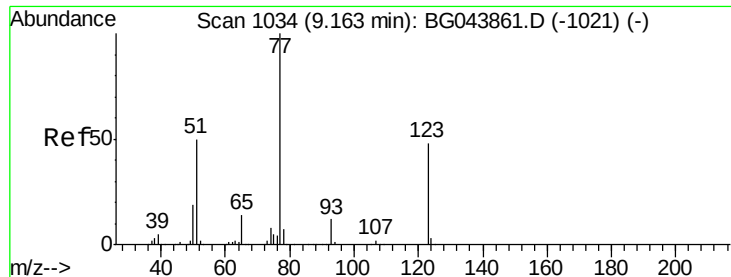
Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 537319 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.3  | 35.1  | 52.7   |
| 54       | 47.0  | 40.1  | 60.1   |

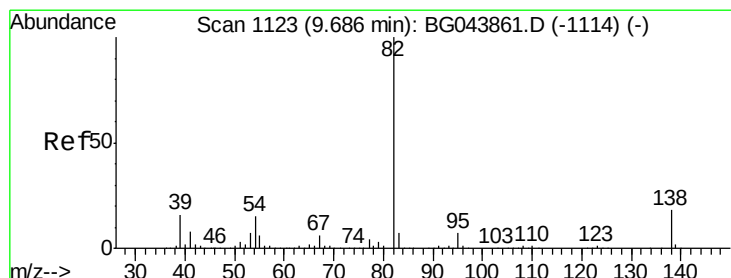
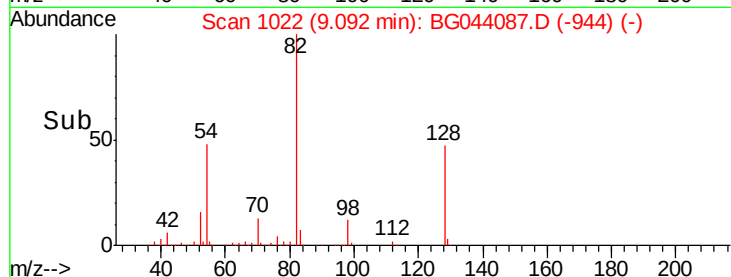
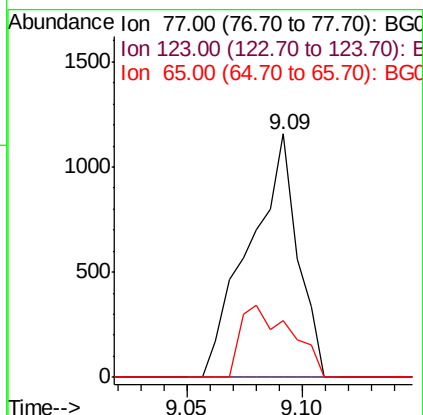
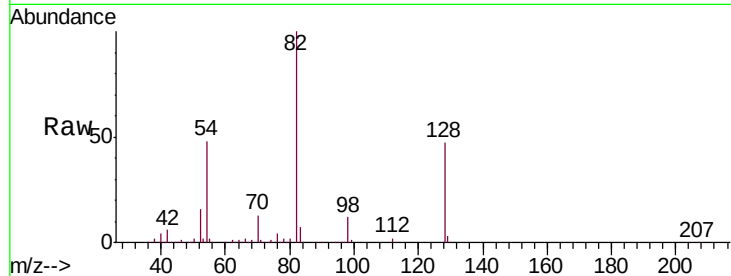




#24  
 Nitrobenzene  
 Concen: 0.284 ng  
 RT: 9.09 min Scan# 1022  
 Delta R.T. -0.07 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

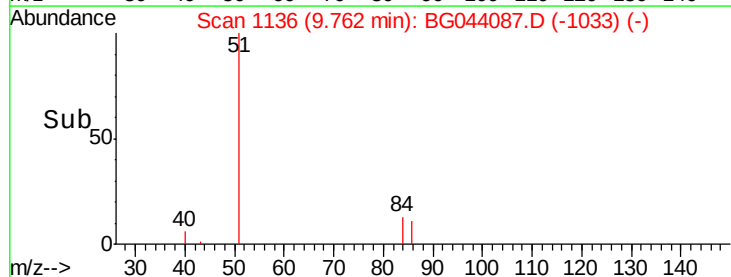
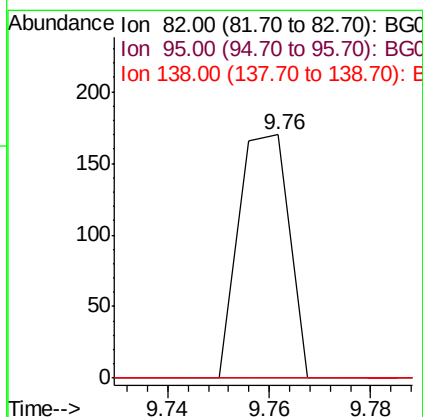
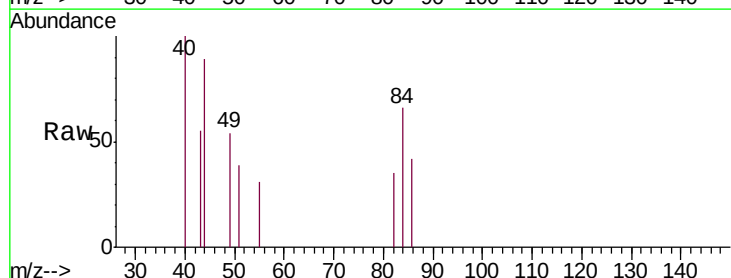
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-109-(SETTLED)

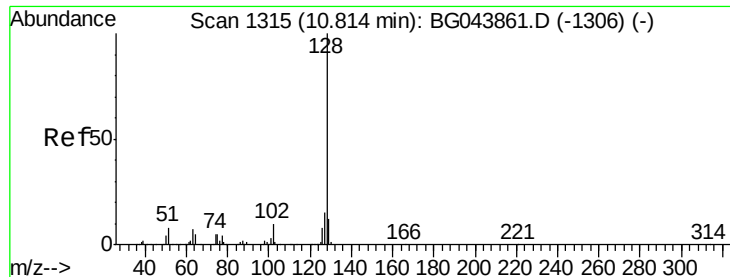
Tgt Ion: 77 Resp: 1679  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 38.7 58.1#  
 65 23.5 11.1 16.7#



#25  
 Isophorone  
 Concen: 0.011 ng  
 RT: 9.76 min Scan# 1136  
 Delta R.T. 0.08 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

Tgt Ion: 82 Resp: 118  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.8 8.6#  
 138 0.0 14.6 22.0#

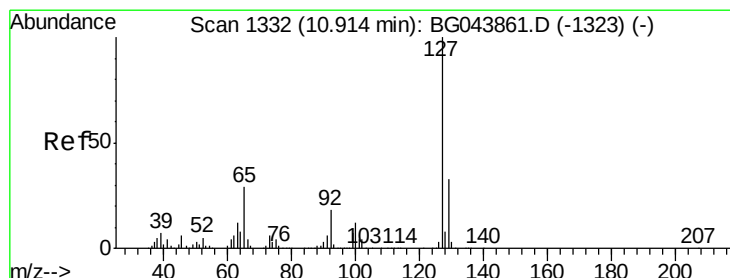
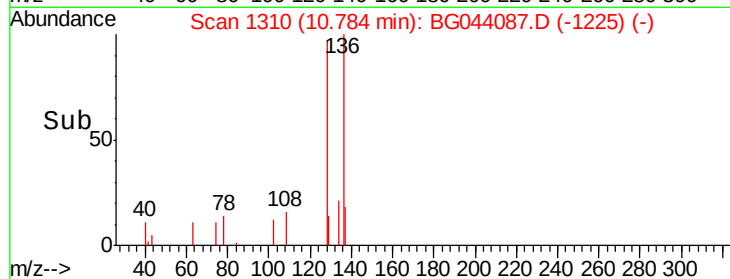
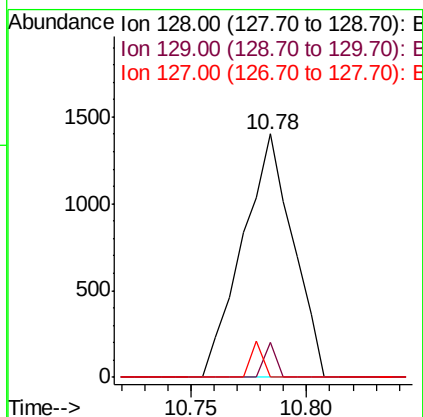
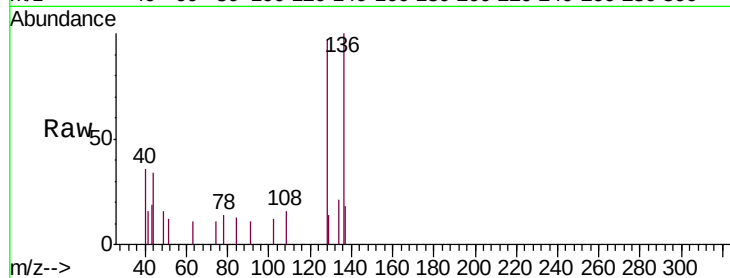




#31  
Naphthalene  
Concen: 0.138 ng  
RT: 10.78 min Scan# 1310  
Delta R.T. -0.03 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

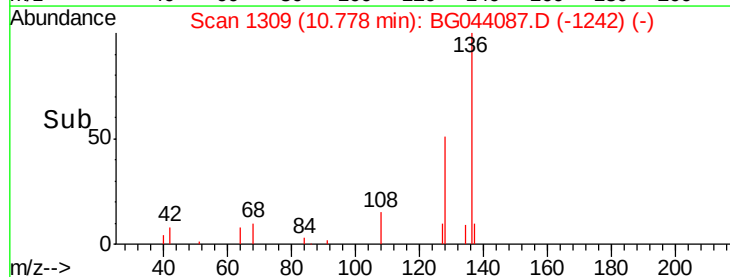
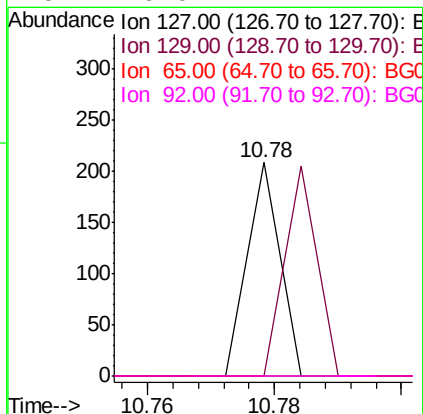
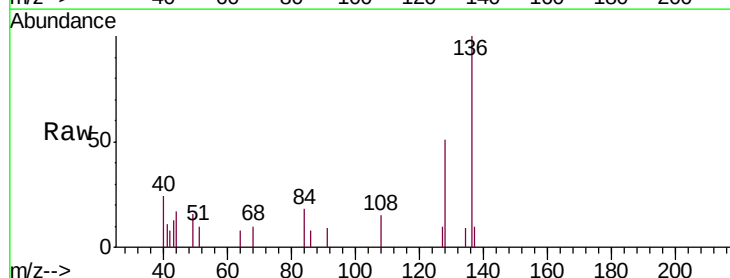
Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

Tgt Ion:128 Resp: 2126  
Ion Ratio Lower Upper  
128 100  
129 14.6 9.8 14.6  
127 0.0 12.0 18.0#

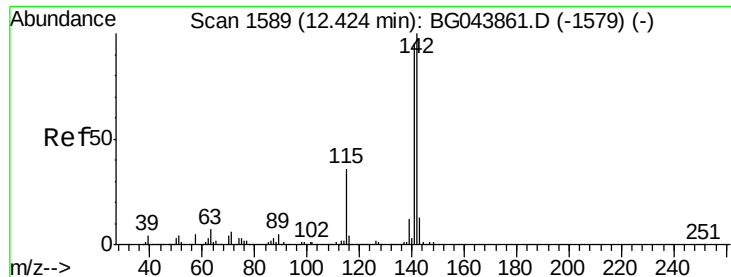


#33  
4-Chloroaniline  
Concen: 0.010 ng  
RT: 10.78 min Scan# 1309  
Delta R.T. -0.14 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Tgt Ion:127 Resp: 74  
Ion Ratio Lower Upper  
127 100  
129 0.0 26.6 40.0#  
65 0.0 23.3 34.9#  
92 0.0 14.7 22.1#



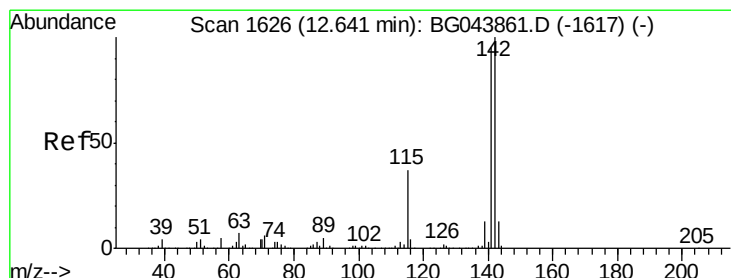
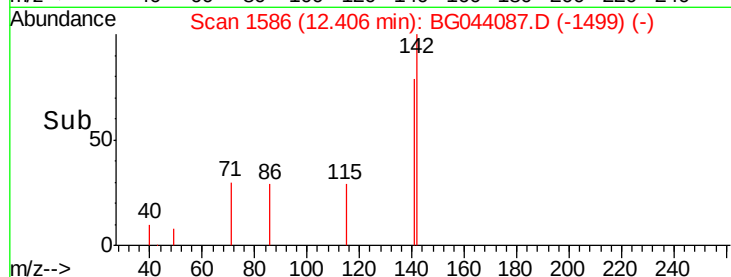
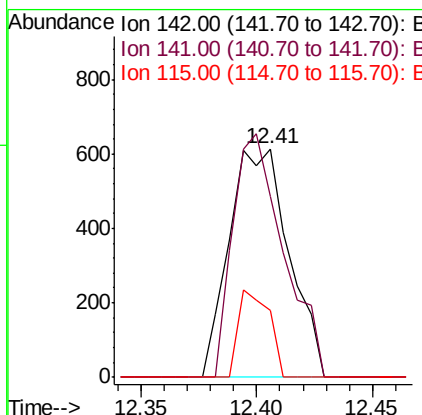
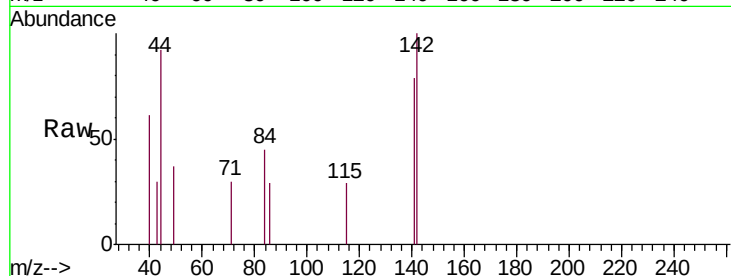




#37  
 2-Methylnaphthalene  
 Concen: 0.095 ng  
 RT: 12.41 min Scan# 1586  
 Delta R.T. -0.02 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

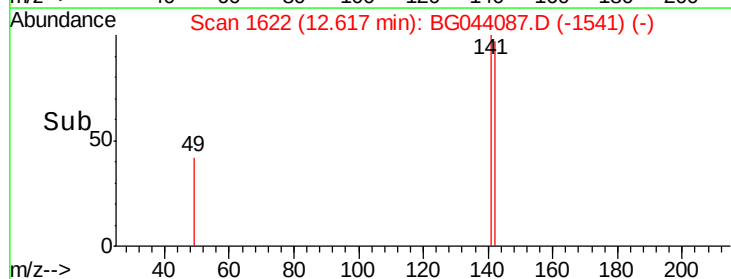
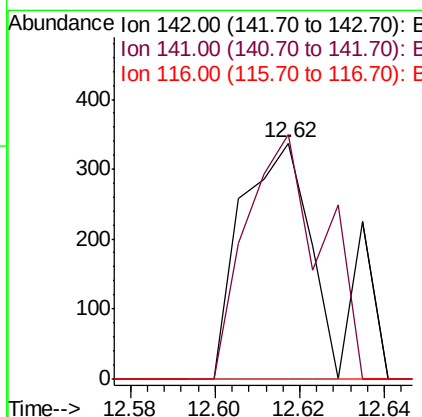
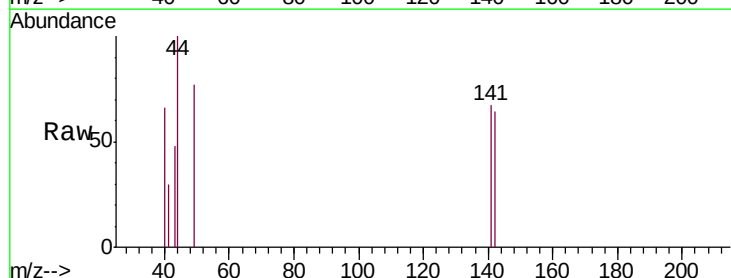
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-109-(SETTLED)

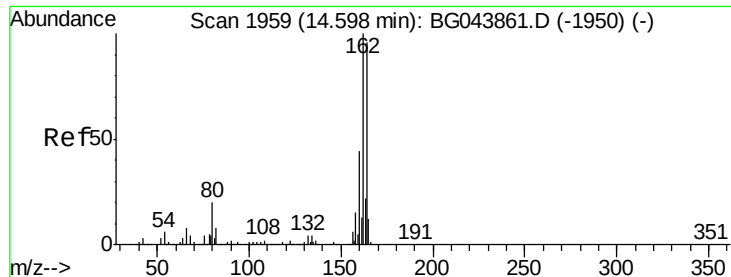
Tgt Ion:142 Resp: 1104  
 Ion Ratio Lower Upper  
 142 100  
 141 79.0 75.8 113.8  
 115 29.5 28.6 42.8



#38  
 1-Methylnaphthalene  
 Concen: 0.034 ng  
 RT: 12.62 min Scan# 1622  
 Delta R.T. -0.02 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

Tgt Ion:142 Resp: 377  
 Ion Ratio Lower Upper  
 142 100  
 141 103.6 76.0 114.0  
 116 0.0 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

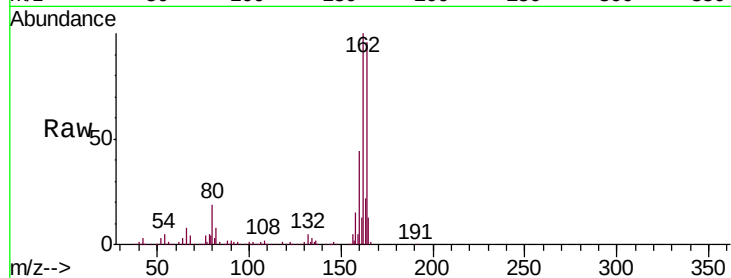
Tgt Ion:164 Resp: 226509

Ion Ratio Lower Upper

164 100

162 104.0 83.0 124.4

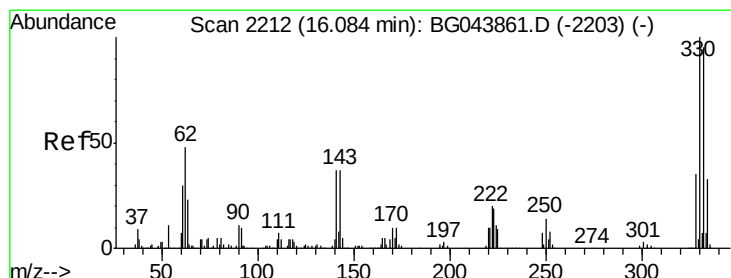
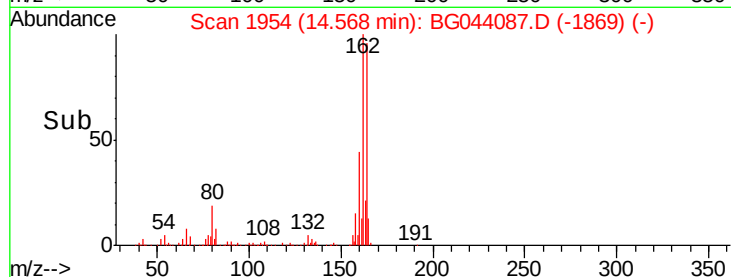
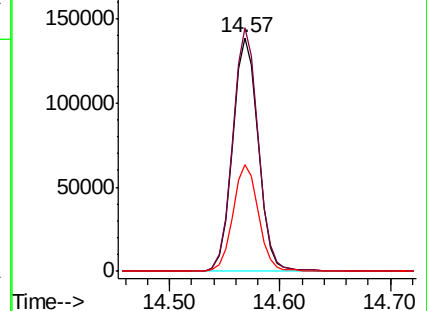
160 45.6 36.1 54.1



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: 166.994 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

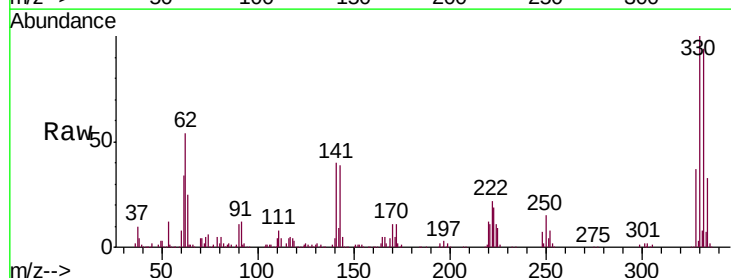
Tgt Ion:330 Resp: 395838

Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

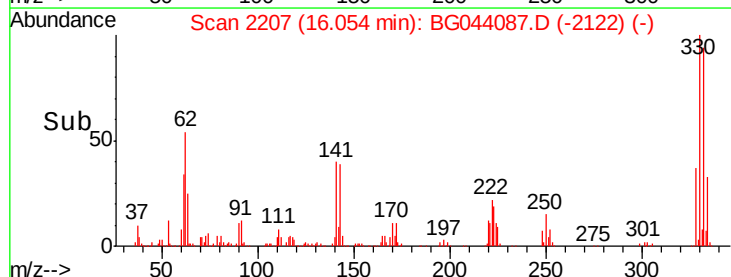
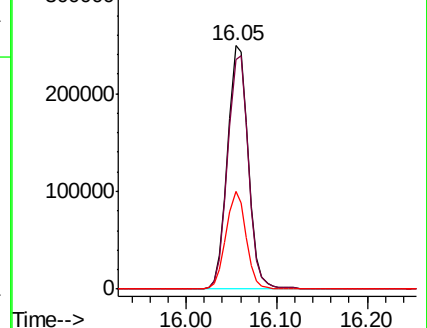
141 38.9 33.1 49.7

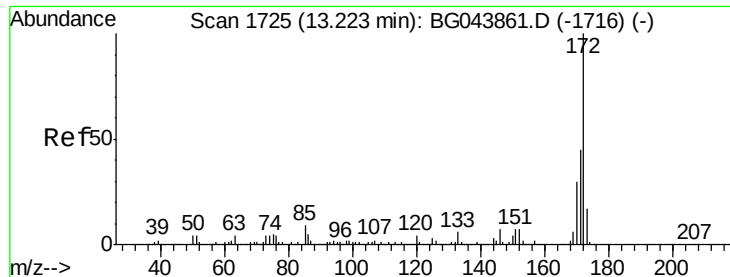


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

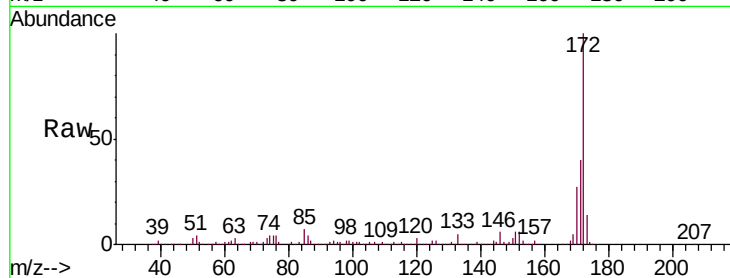




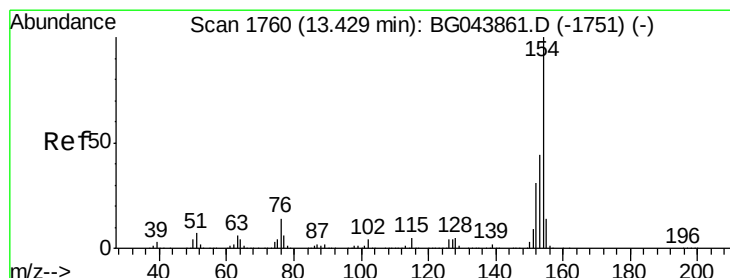
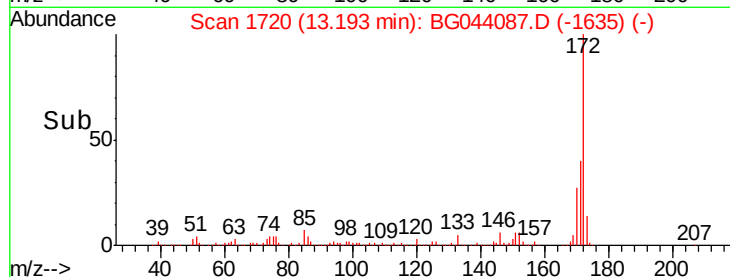
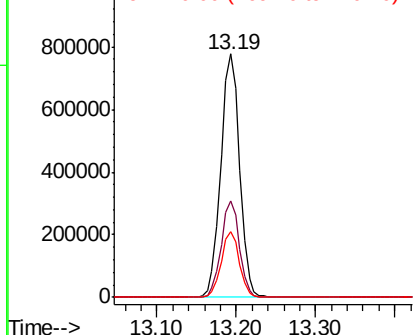
#45  
2-Fluorobiphenyl  
Concen: 102.103 ng  
RT: 13.19 min Scan# 1720  
Delta R.T. -0.03 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

Tgt Ion:172 Resp: 1276504  
Ion Ratio Lower Upper  
172 100  
171 39.5 35.8 53.8  
170 27.1 24.2 36.4

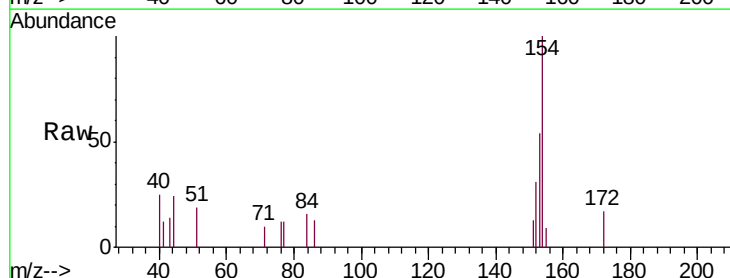


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

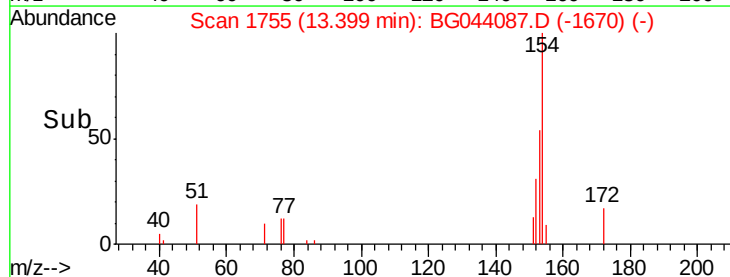
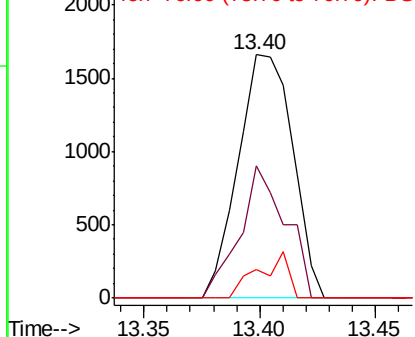


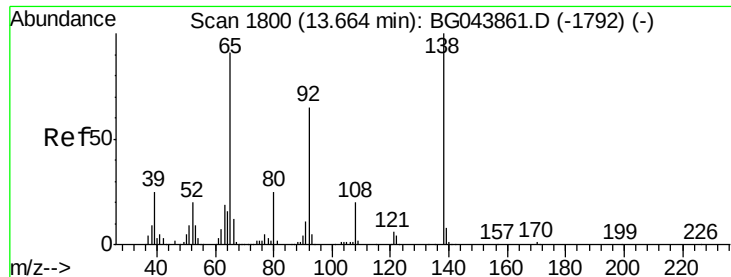
#46  
1,1'-Biphenyl  
Concen: 0.168 ng  
RT: 13.40 min Scan# 1755  
Delta R.T. -0.03 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Tgt Ion:154 Resp: 2730  
Ion Ratio Lower Upper  
154 100  
153 54.2 23.6 63.6  
76 11.8 0.0 34.4



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: 0.015 ng

RT: 13.47 min Scan# 1767

Delta R.T. -0.19 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

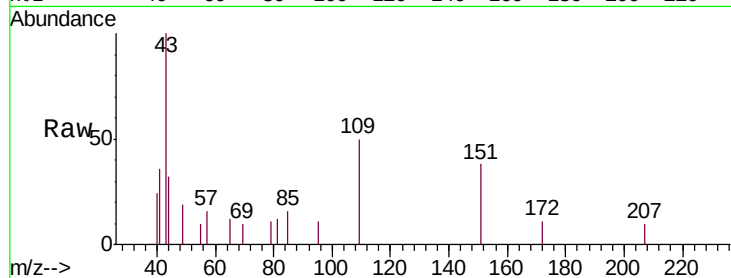
Tgt Ion: 65 Resp: 64

Ion Ratio Lower Upper

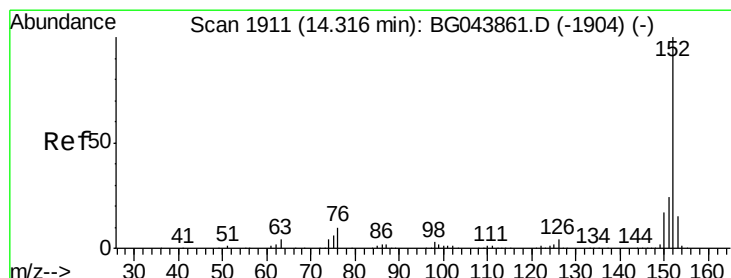
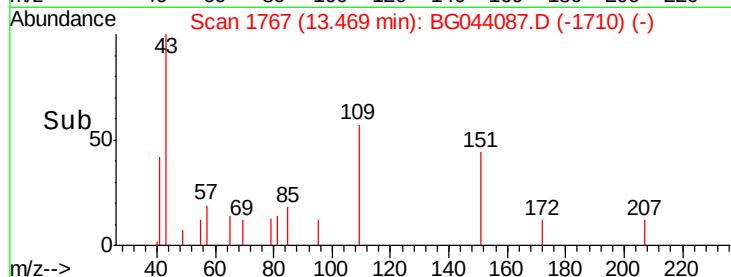
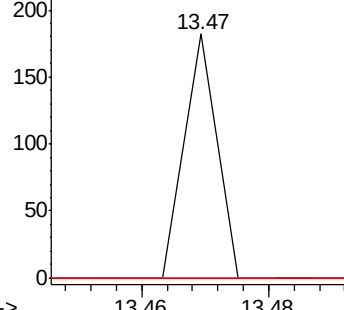
65 100

92 0.0 57.4 86.2#

138 0.0 88.2 132.4#



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



#49

Acenaphthylene

Concen: 0.003 ng

RT: 14.30 min Scan# 1908

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

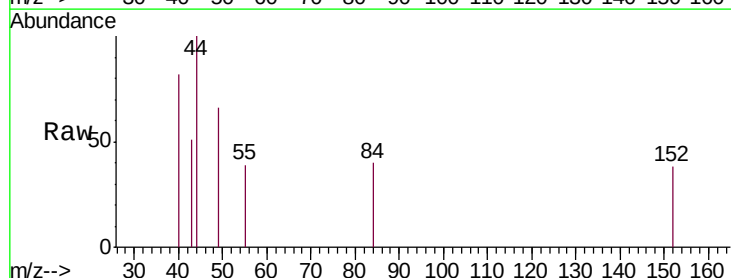
Tgt Ion: 152 Resp: 60

Ion Ratio Lower Upper

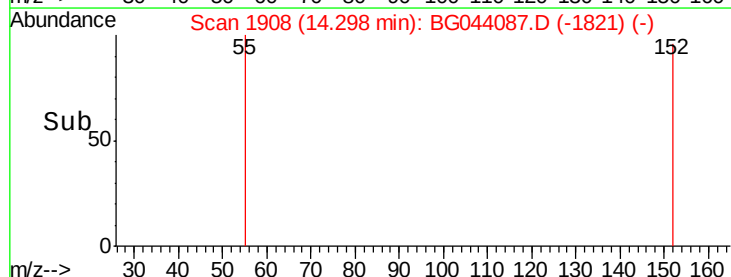
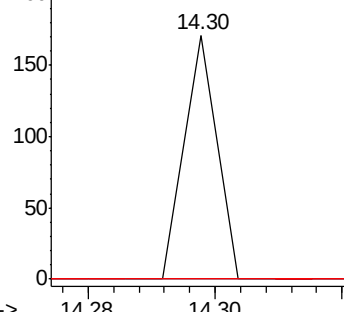
152 100

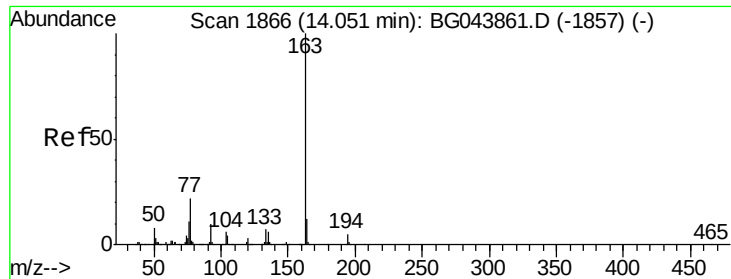
151 0.0 19.4 29.2#

153 0.0 12.0 18.0#



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC





#50

Dimethylphthalate

Concen: 4.096 ng

RT: 14.02 min Scan# 1861

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

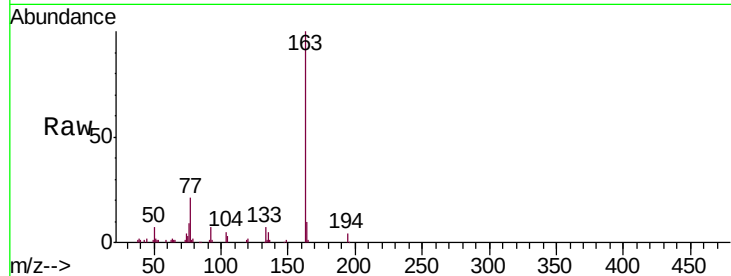
Tgt Ion:163 Resp: 65876

Ion Ratio Lower Upper

163 100

194 3.8 3.7 5.5

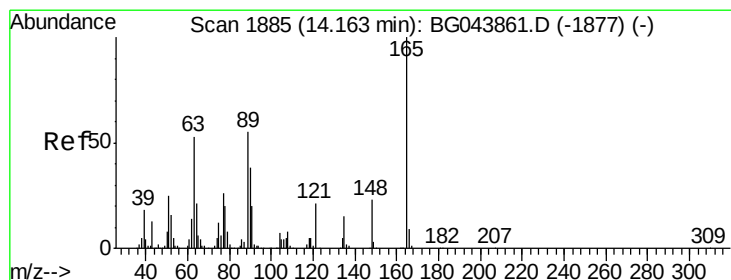
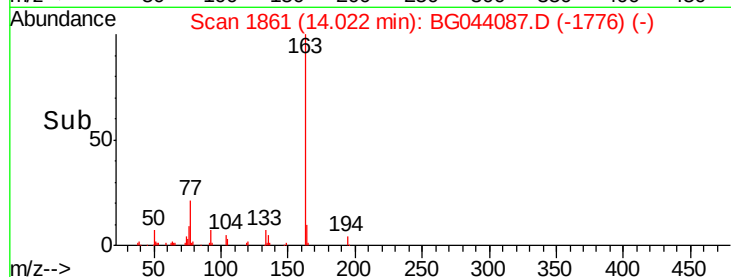
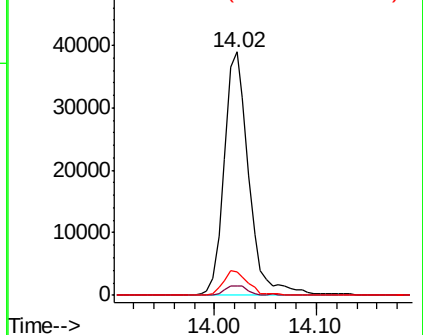
164 9.8 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.099 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.40 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

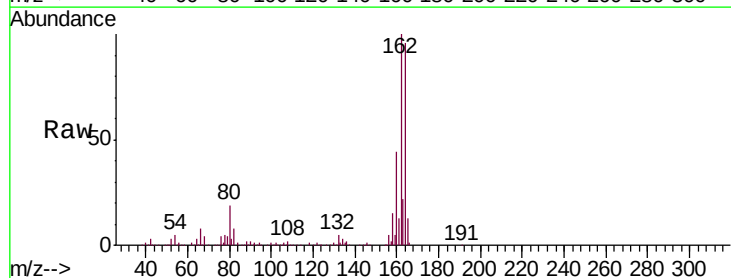
Tgt Ion:165 Resp: 29441

Ion Ratio Lower Upper

165 100

63 1.2 43.1 64.7#

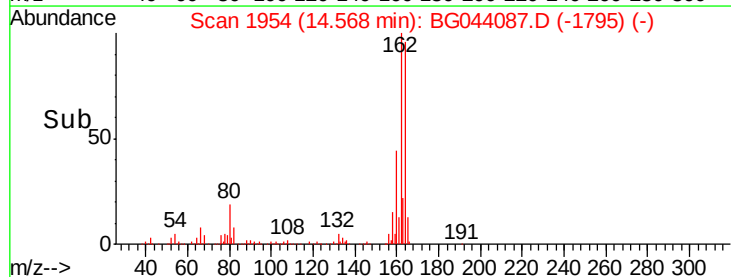
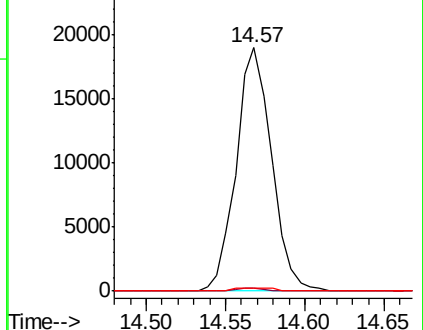
89 1.0 43.8 65.6#

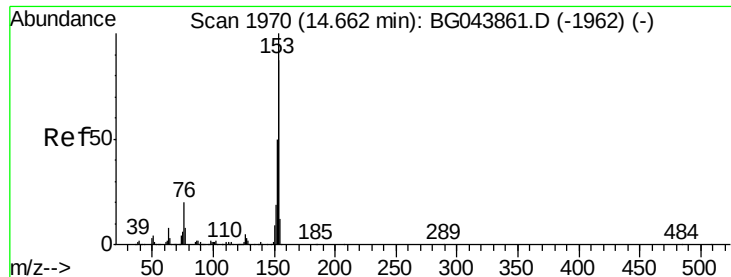


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.057 ng

RT: 14.57 min Scan# 1954

Delta R.T. -0.09 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

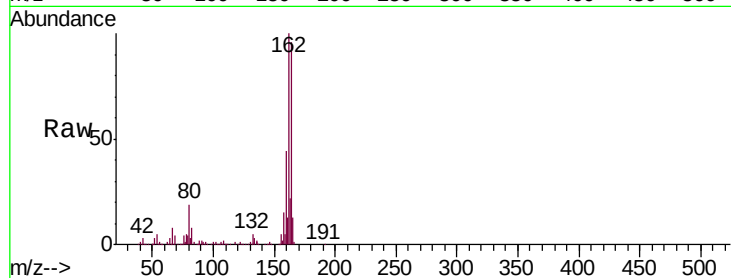
Tgt Ion:154 Resp: 749

Ion Ratio Lower Upper

154 100

153 0.0 91.6 137.4#

152 0.0 45.4 68.0#



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

14.57

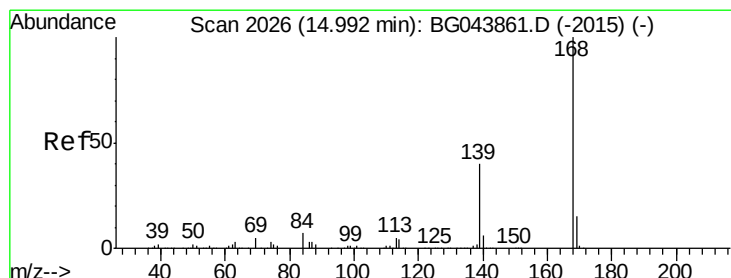
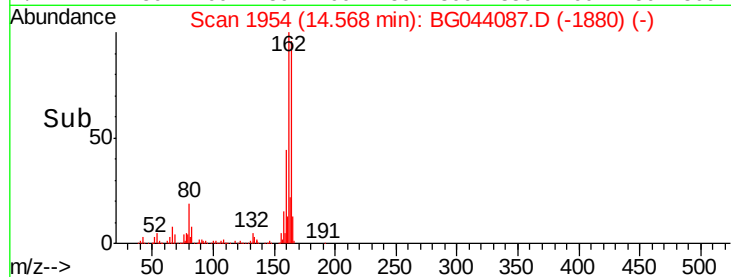
400

200

0

14.55 14.60

Time-->



#55

Dibenzofuran

Concen: 0.003 ng

RT: 14.97 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

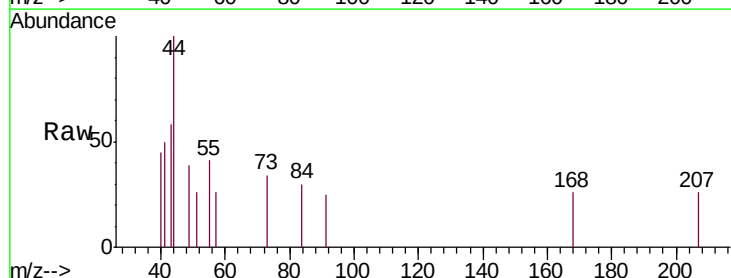
Tgt Ion:168 Resp: 58

Ion Ratio Lower Upper

168 100

139 0.0 32.2 48.2#

169 0.0 12.2 18.2#



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

14.97

200

150

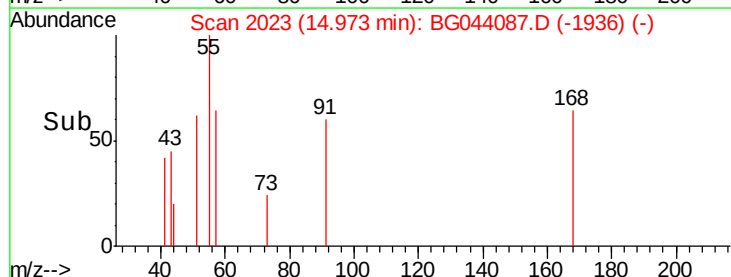
100

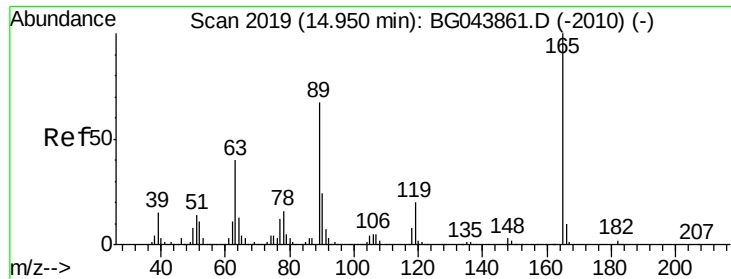
50

0

14.96 14.98

Time-->

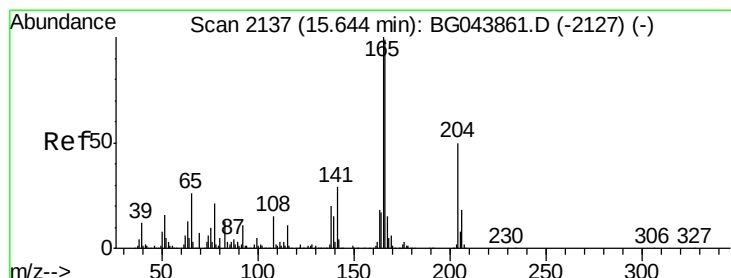
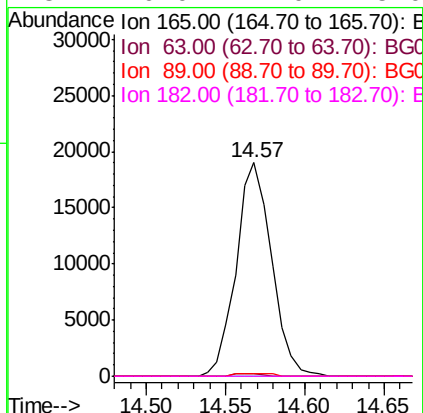
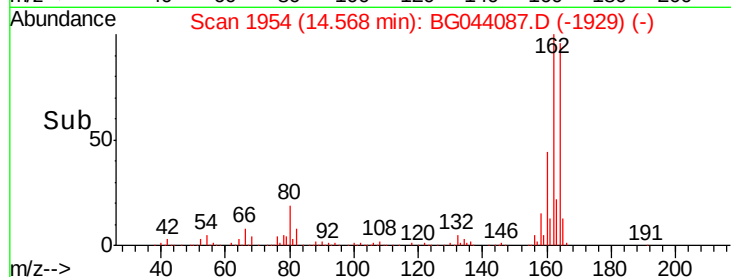
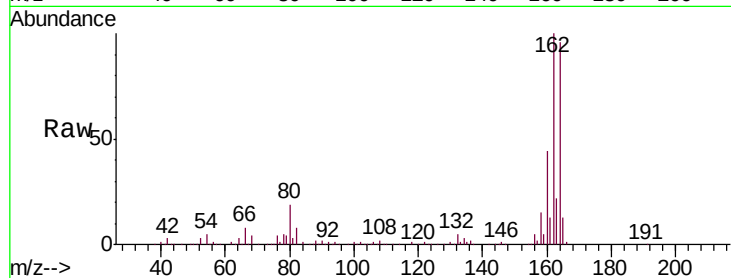




#57  
 2,4-Dinitrotoluene  
 Concen: 5.952 ng  
 RT: 14.57 min Scan# 1954  
 Delta R.T. -0.38 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

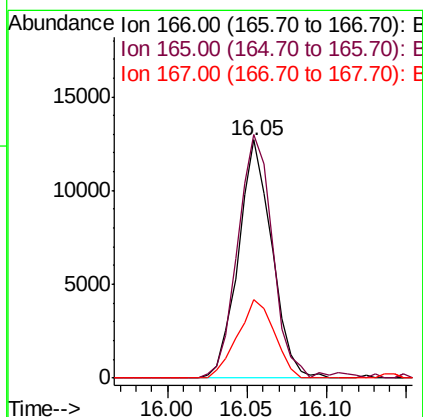
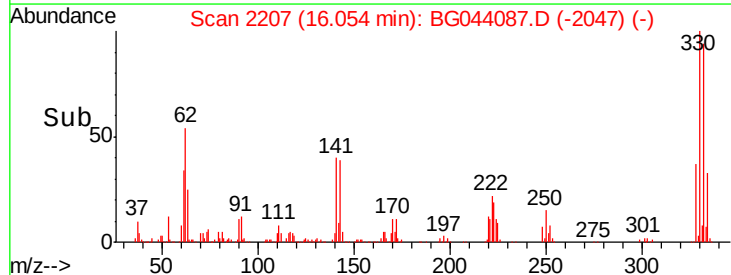
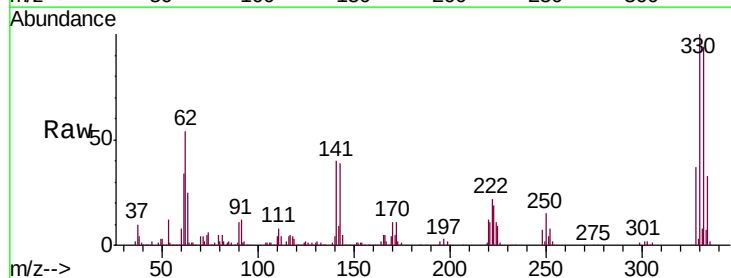
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MH-109-(SETTLED)

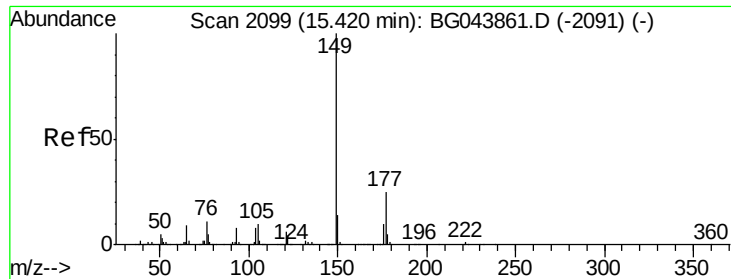
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 31.9  | 47.9# |
| 89      | 1.0   | 53.8  | 80.6# |
| 182     | 0.0   | 2.0   | 3.0#  |



#58  
 Fluorene  
 Concen: 1.291 ng  
 RT: 16.05 min Scan# 2207  
 Delta R.T. 0.41 min  
 Lab File: BG044087.D  
 Acq: 17 Jan 2020 23:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 102.2 | 80.8  | 121.2 |
| 167     | 33.1  | 12.1  | 18.1# |





#60

Diethylphthalate

Concen: 0.053 ng

RT: 15.38 min Scan# 2093

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

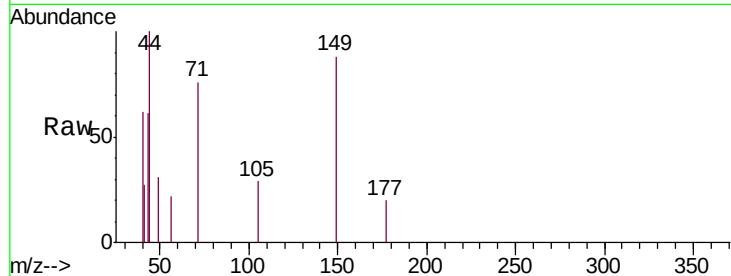
Instrument :

BNA\_G

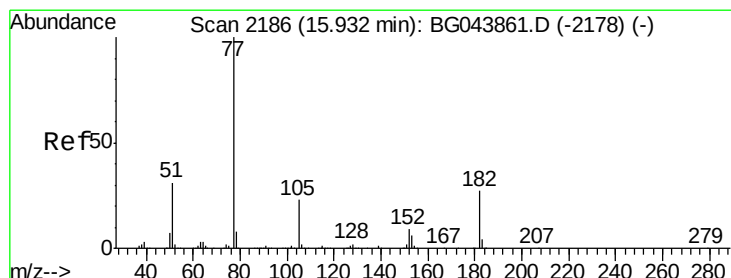
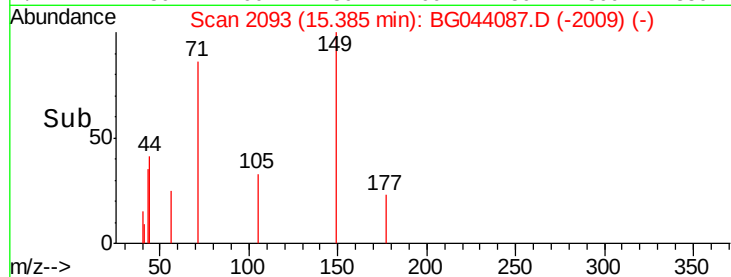
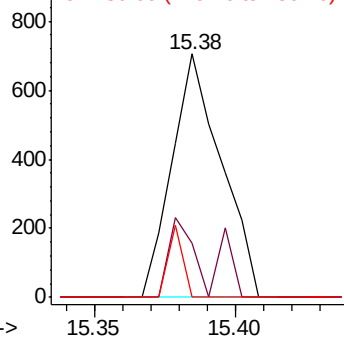
ClientSampleId :

MH-109-(SETTLED)

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 856   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 177      | 22.5  | 20.0  | 30.0  |
| 150      | 0.0   | 11.1  | 16.7# |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.013 ng

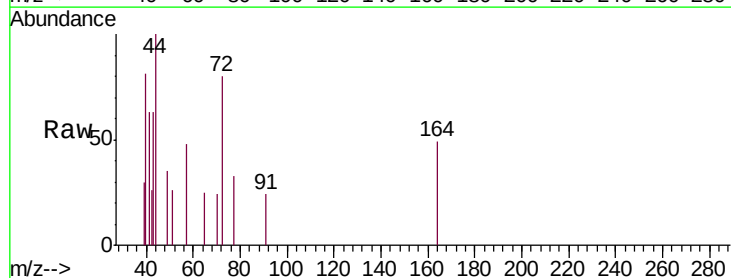
RT: 15.85 min Scan# 2172

Delta R.T. -0.08 min

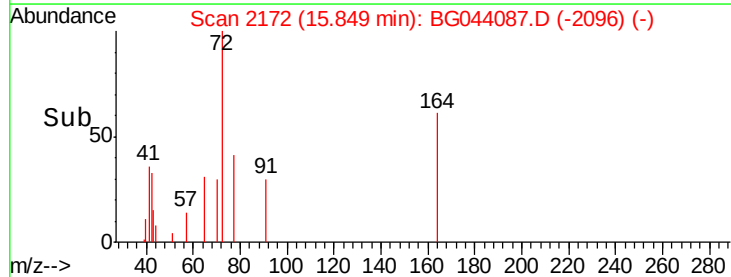
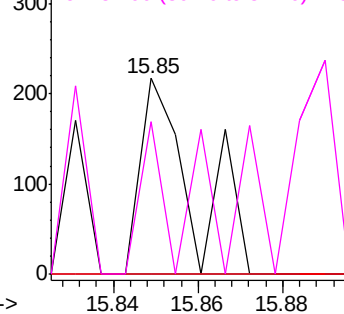
Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

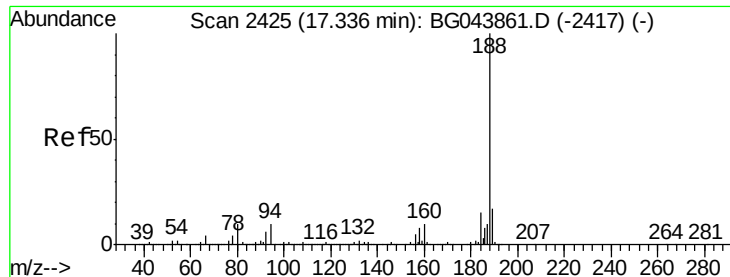
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 188   |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 182      | 0.0   | 7.3   | 47.3# |
| 105      | 0.0   | 3.2   | 43.2# |
| 51       | 77.9  | 10.6  | 50.6# |



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: 17.31 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

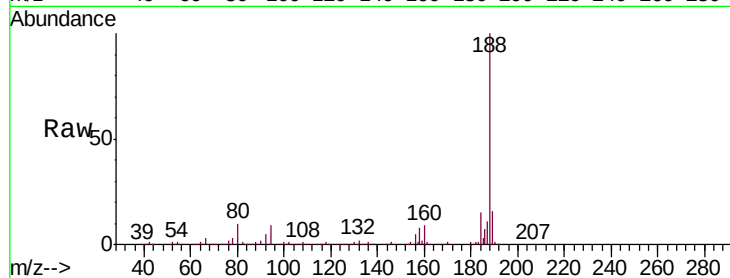
Tgt Ion:188 Resp: 491234

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

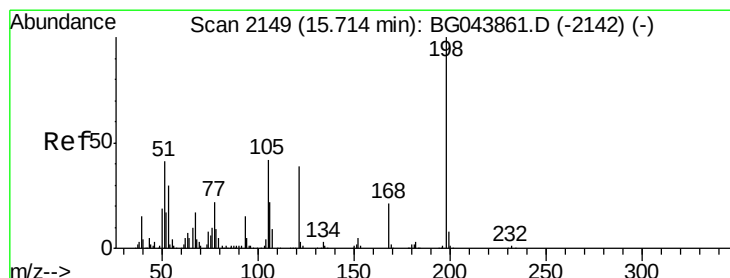
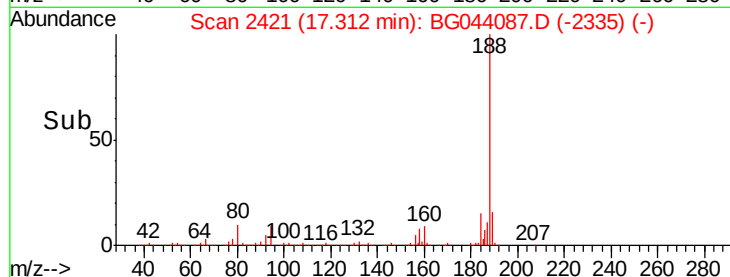
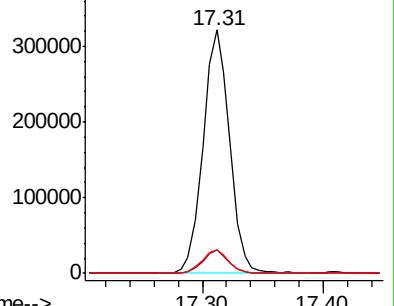
80 9.6 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.931 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

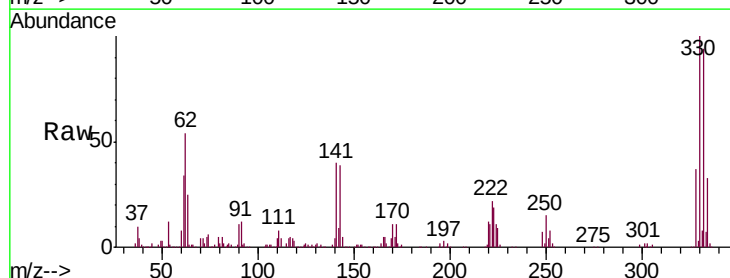
Tgt Ion:198 Resp: 1507

Ion Ratio Lower Upper

198 100

51 107.1 22.5 62.5#

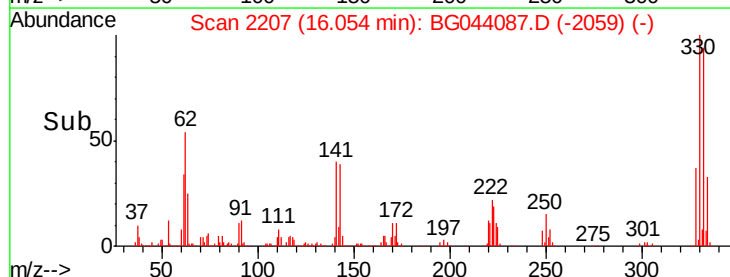
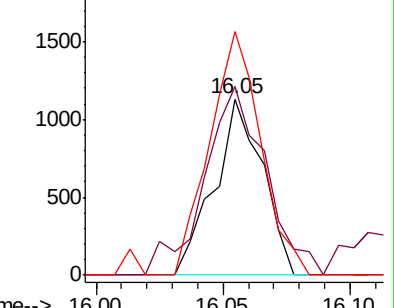
105 138.1 22.3 62.3#

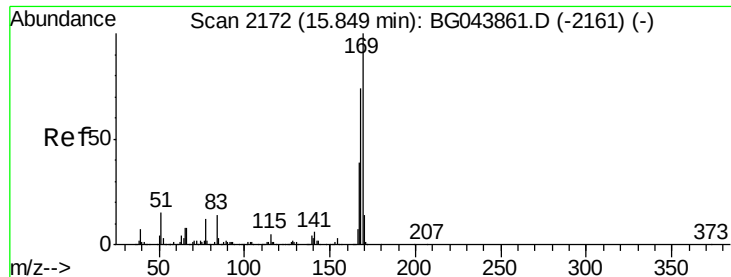


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 1.046 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.21 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

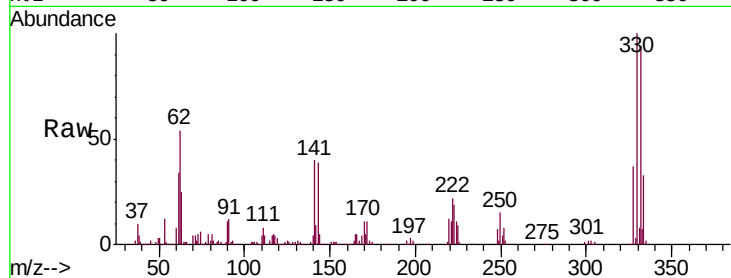
Tgt Ion:169 Resp: 15130

Ion Ratio Lower Upper

169 100

168 6.8 59.0 88.6#

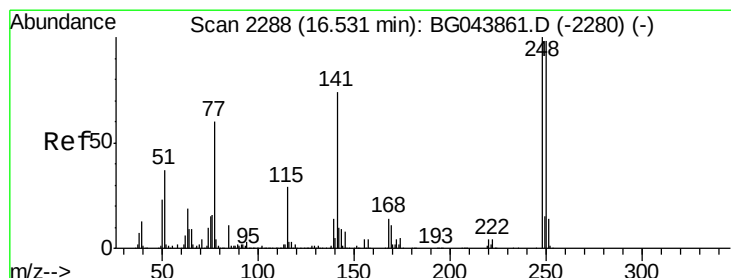
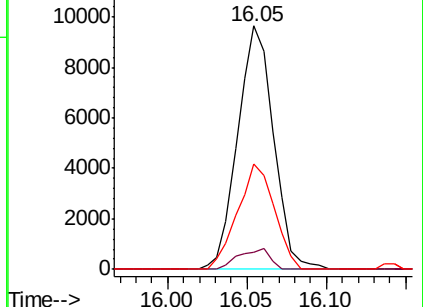
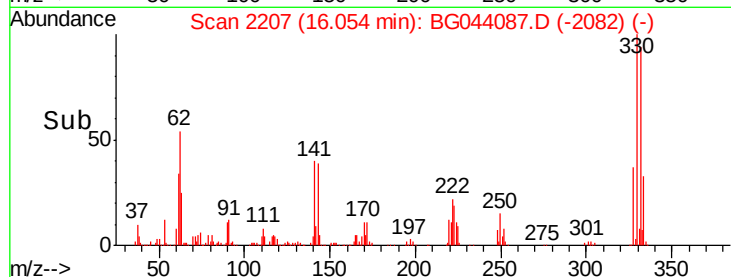
167 43.5 31.4 47.0



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: 5.156 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.48 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

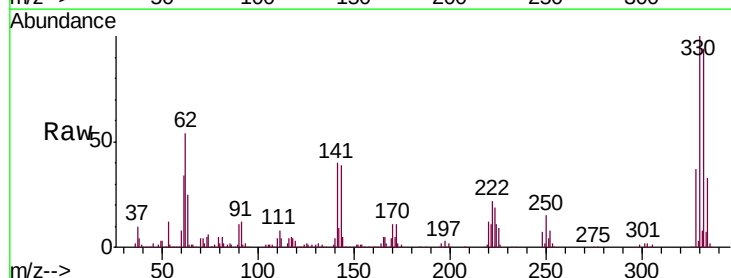
Tgt Ion:248 Resp: 28488

Ion Ratio Lower Upper

248 100

250 200.8 78.2 117.2#

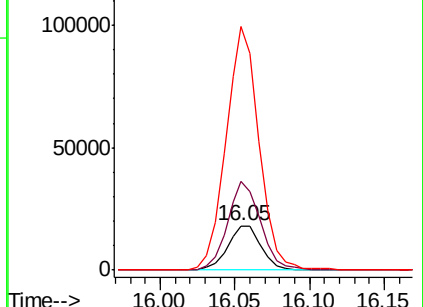
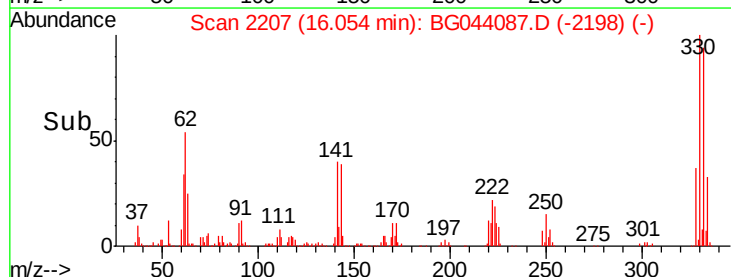
141 550.2 59.3 88.9#

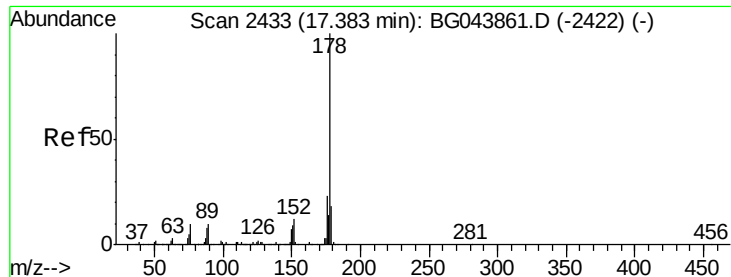


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 0.074 ng

RT: 17.35 min Scan# 2428

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

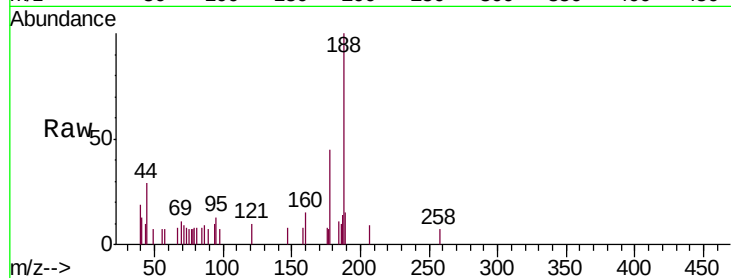
Tgt Ion:178 Resp: 1736

Ion Ratio Lower Upper

178 100

176 18.1 18.6 28.0#

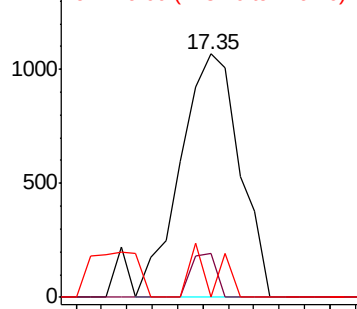
179 0.0 14.4 21.6#



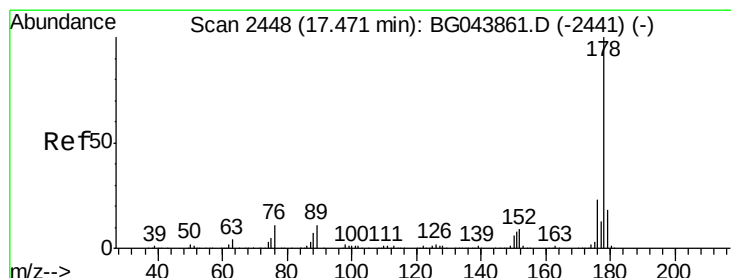
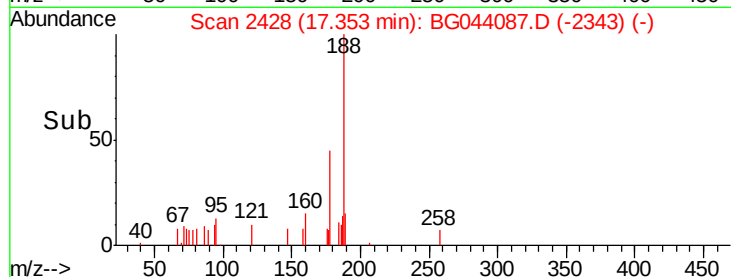
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 0.049 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

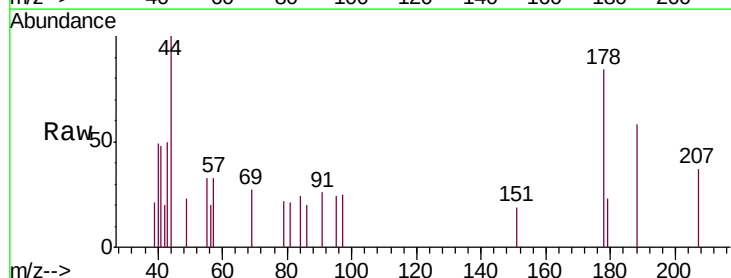
Tgt Ion:178 Resp: 1133

Ion Ratio Lower Upper

178 100

176 0.0 18.3 27.5#

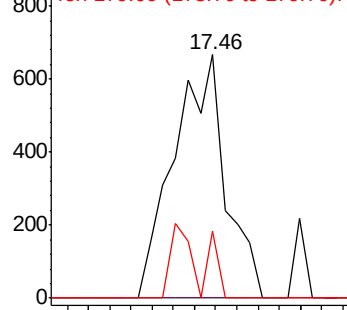
179 27.3 14.6 22.0#



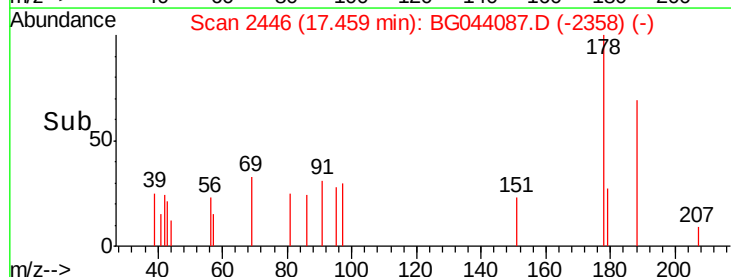
Abundance Ion 178.00 (177.70 to 178.70): E

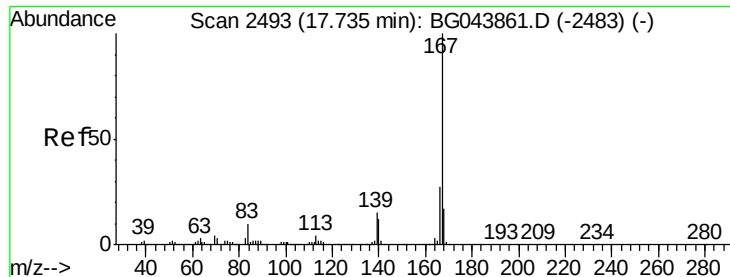
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#73

Carbazole

Concen: 0.012 ng

RT: 17.72 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

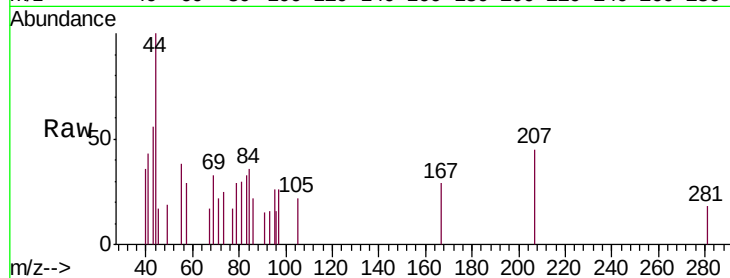
Tgt Ion:167 Resp: 261

Ion Ratio Lower Upper

167 100

166 0.0 21.6 32.4#

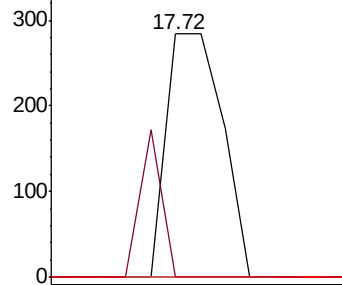
139 0.0 12.1 18.1#



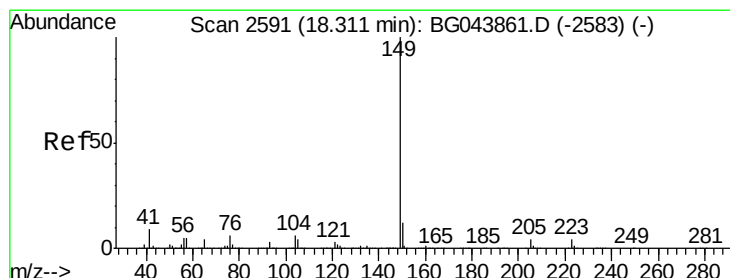
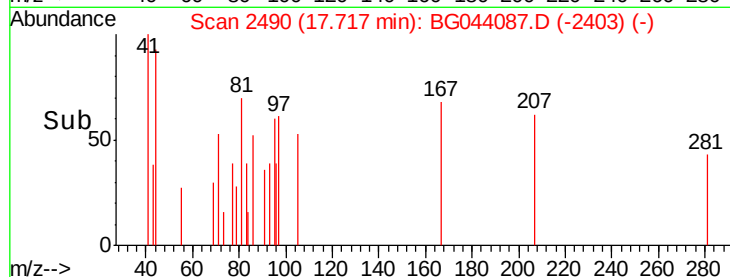
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 0.071 ng

RT: 18.28 min Scan# 2585

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

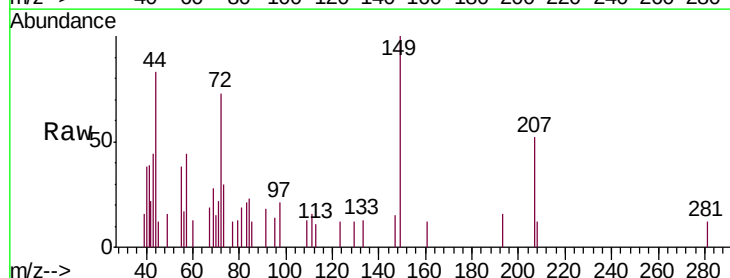
Tgt Ion:149 Resp: 1945

Ion Ratio Lower Upper

149 100

150 0.0 9.7 14.5#

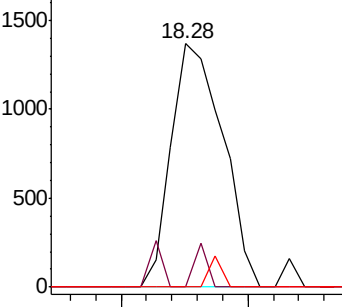
104 0.0 5.0 7.4#



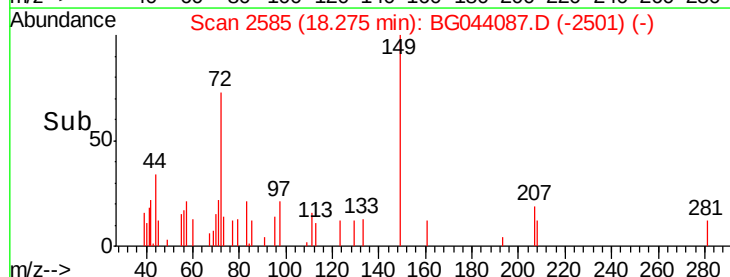
Abundance Ion 149.00 (148.70 to 149.70): E

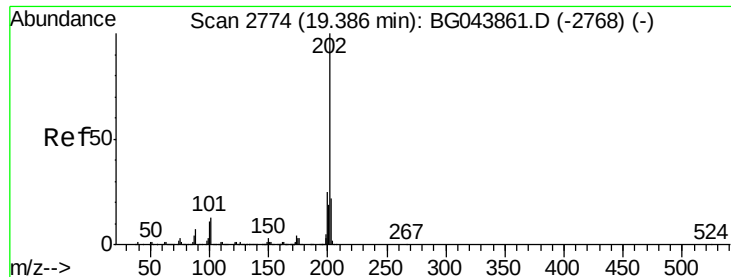
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: 0.120 ng

RT: 19.36 min Scan# 2770

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

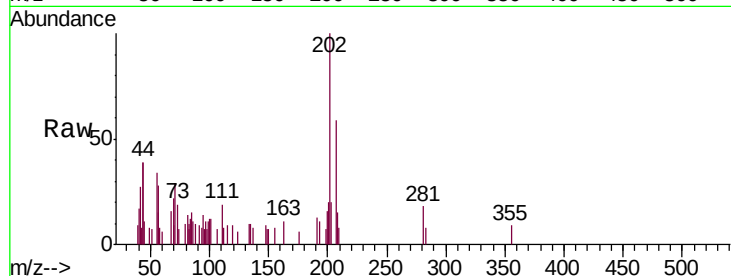
Tgt Ion:202 Resp: 3233

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.3

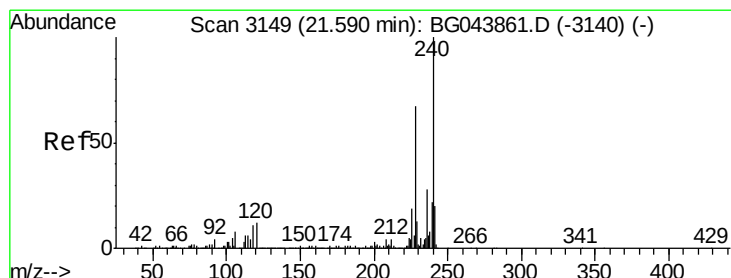
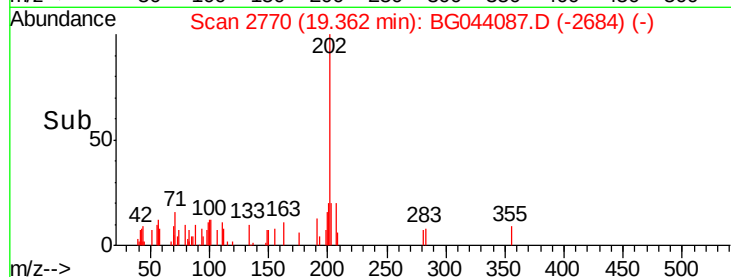
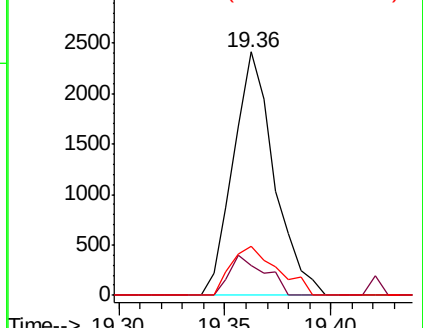
203 20.3 1.6 41.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

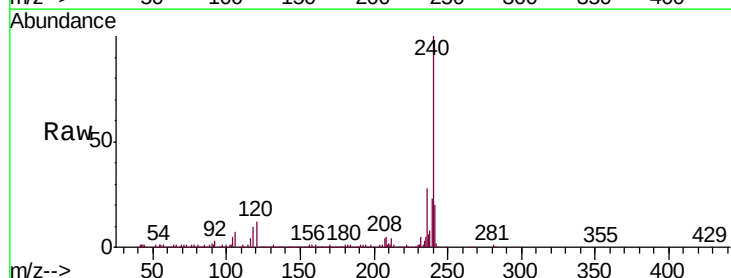
Tgt Ion:240 Resp: 407719

Ion Ratio Lower Upper

240 100

120 11.6 9.6 14.4

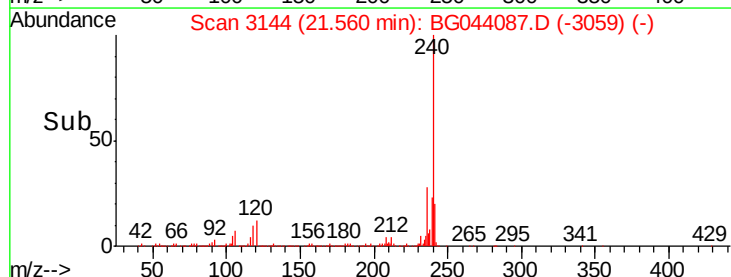
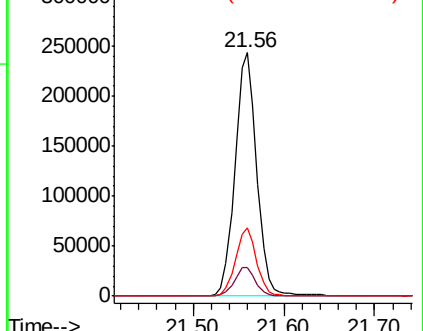
236 28.3 22.2 33.2

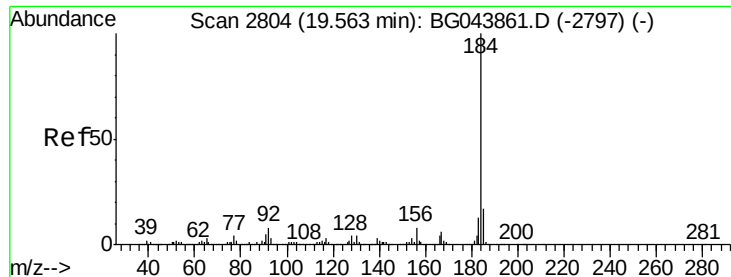


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.210 ng

RT: 19.93 min Scan# 2866

Delta R.T. 0.36 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

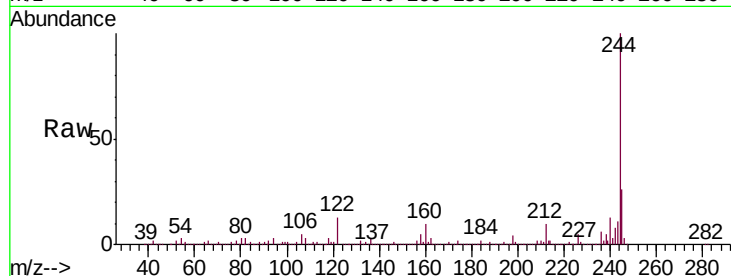
Tgt Ion:184 Resp: 32896

Ion Ratio Lower Upper

184 100

185 17.1 13.4 20.0

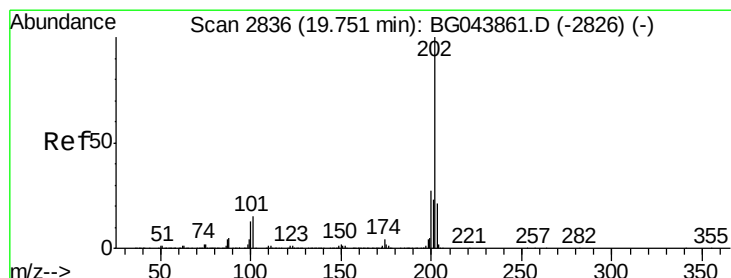
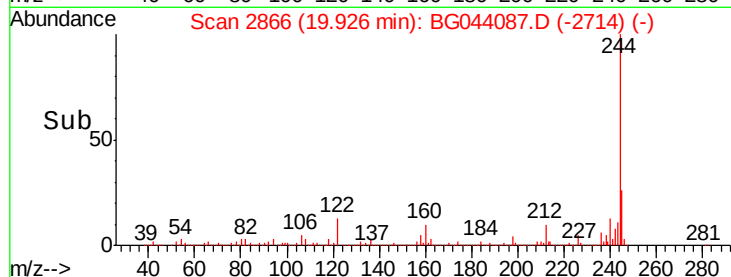
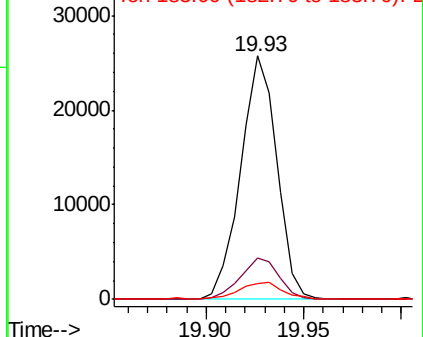
183 6.6 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.130 ng

RT: 19.72 min Scan# 2831

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

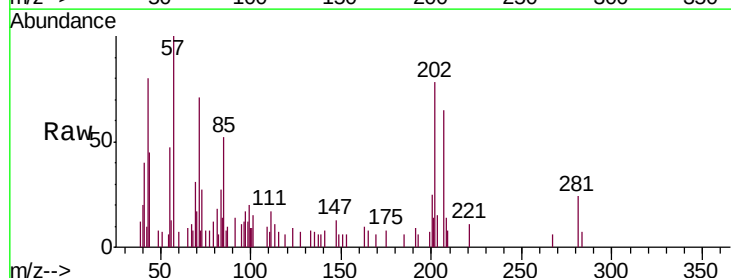
Tgt Ion:202 Resp: 3462

Ion Ratio Lower Upper

202 100

200 32.0 21.7 32.5

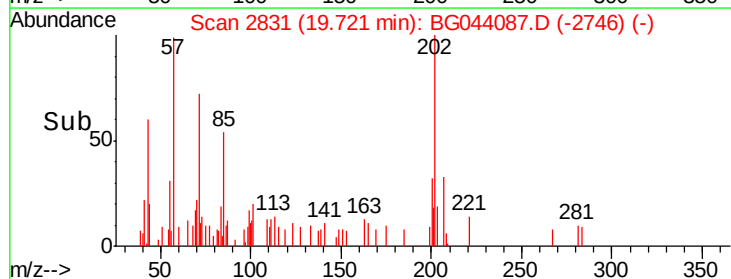
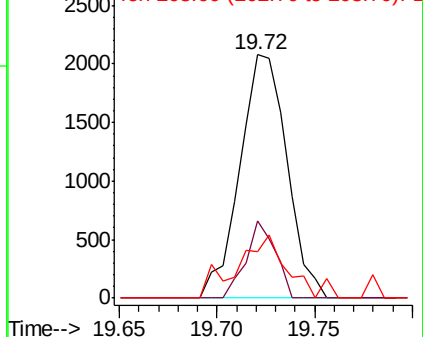
203 19.1 17.0 25.6

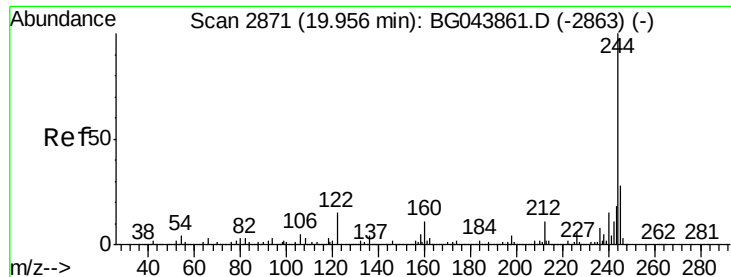


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 122.303 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

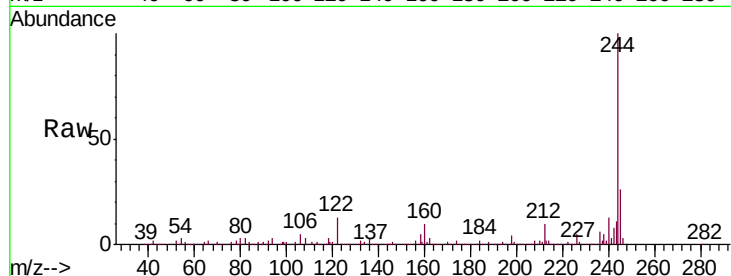
Tgt Ion:244 Resp: 1855624

Ion Ratio Lower Upper

244 100

212 9.7 8.6 13.0

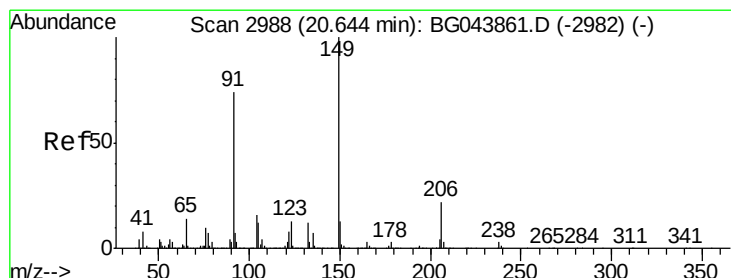
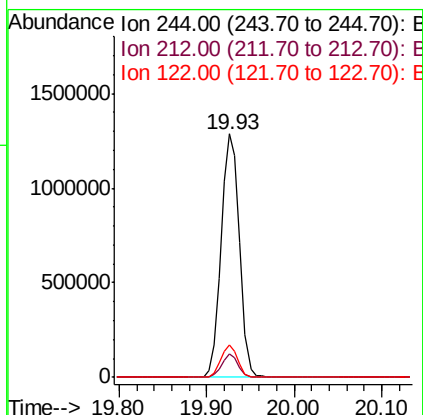
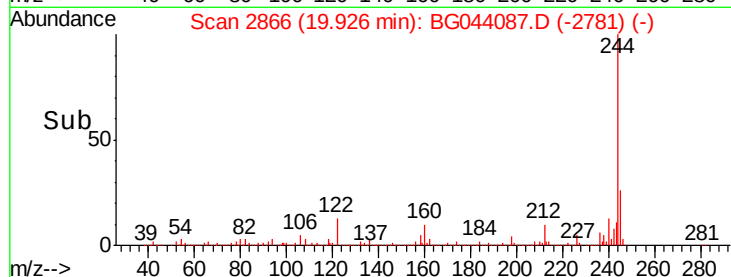
122 13.2 11.9 17.9



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: 0.156 ng

RT: 20.61 min Scan# 2983

Delta R.T. -0.03 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

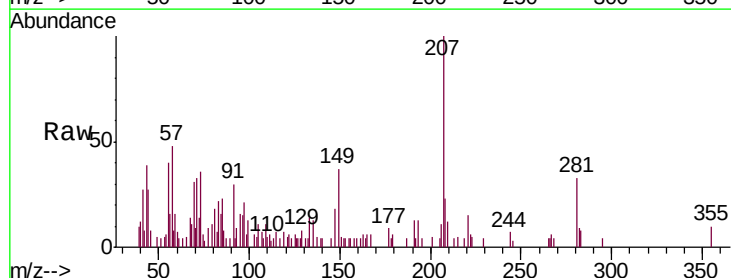
Tgt Ion:149 Resp: 1979

Ion Ratio Lower Upper

149 100

91 80.3 59.5 89.3

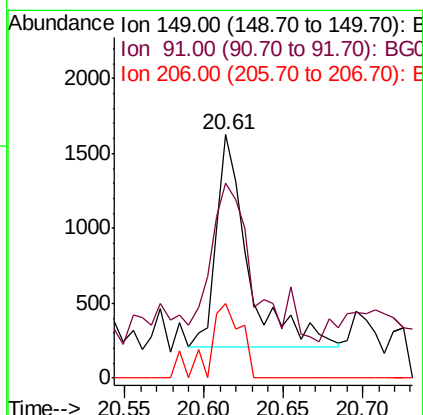
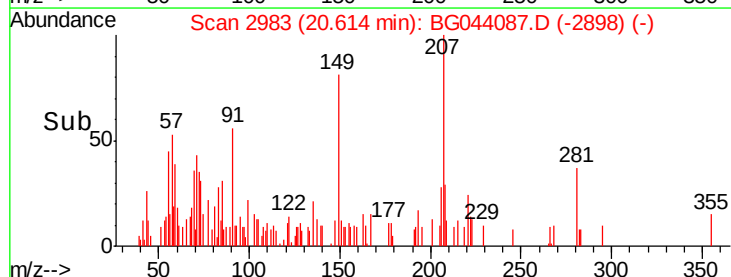
206 30.9 17.8 26.6#

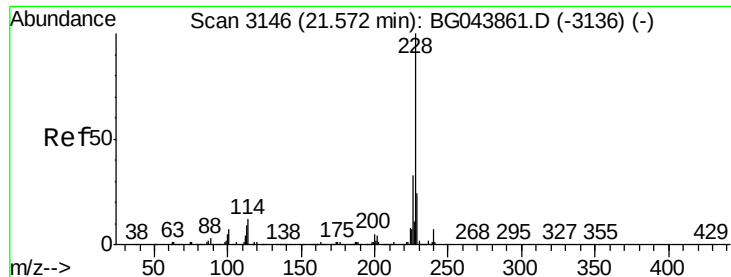


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.153 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

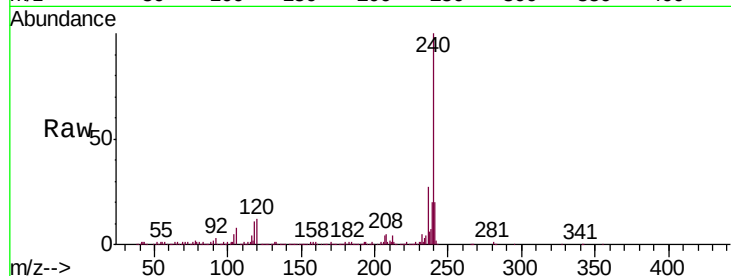
Tgt Ion:228 Resp: 3877

Ion Ratio Lower Upper

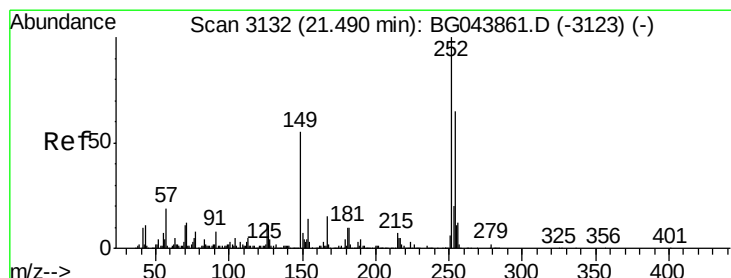
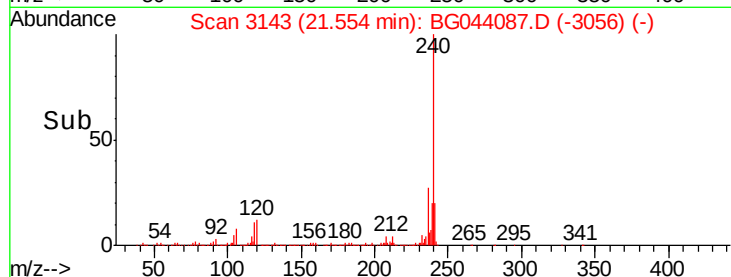
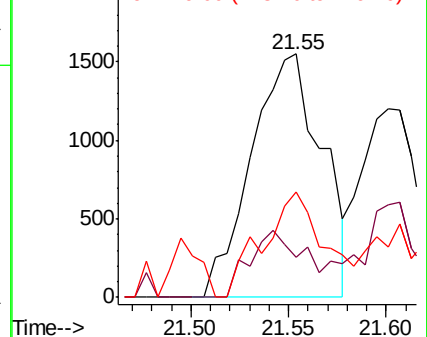
228 100

226 16.3 26.2 39.4#

229 43.2 18.9 28.3#



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: 0.041 ng

RT: 21.47 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

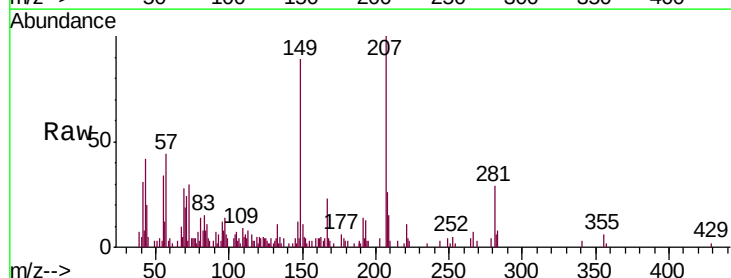
Tgt Ion:252 Resp: 405

Ion Ratio Lower Upper

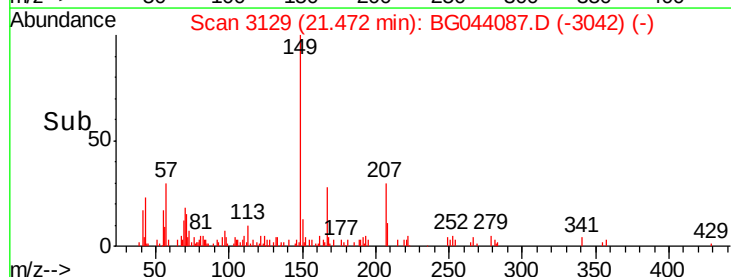
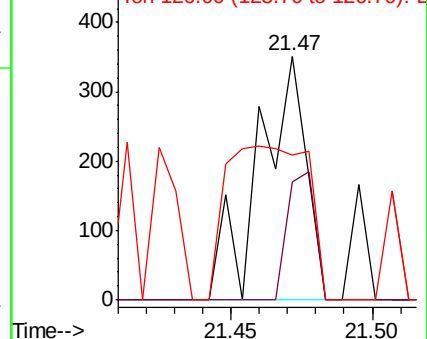
252 100

254 48.4 52.1 78.1#

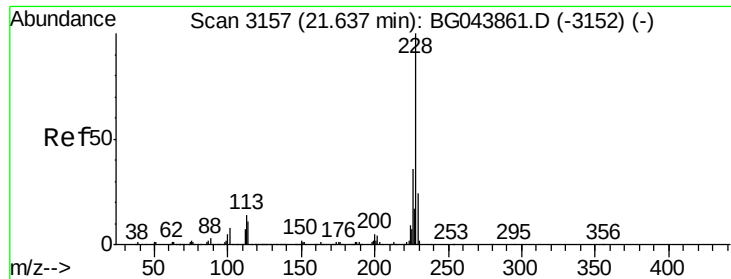
126 59.3 9.1 13.7#



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







#83

Chrysene

Concen: 0.110 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

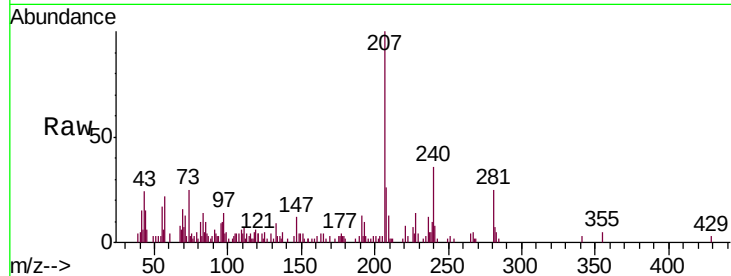
Tgt Ion:228 Resp: 2641

Ion Ratio Lower Upper

228 100

226 49.2 28.8 43.2#

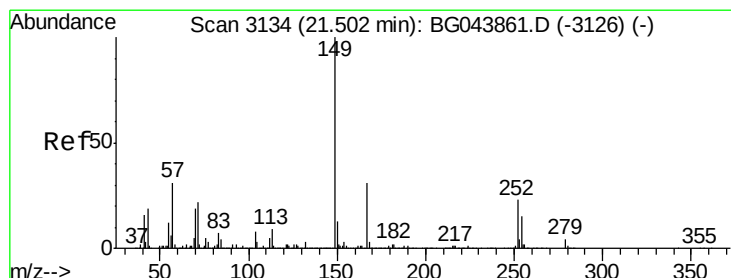
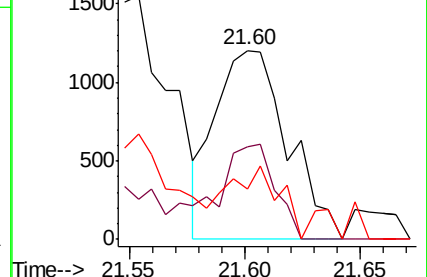
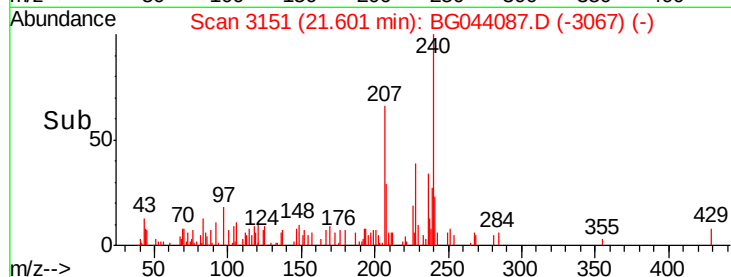
229 26.8 19.0 28.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.652 ng

RT: 21.47 min Scan# 3128

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

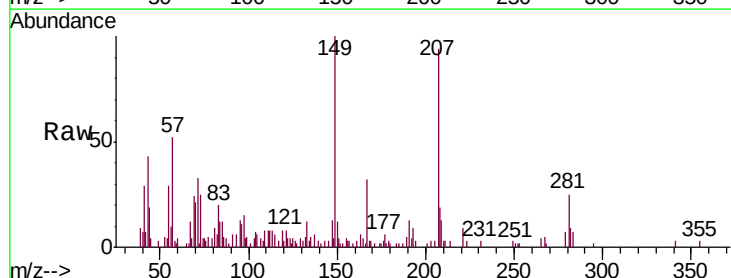
Tgt Ion:149 Resp: 11400

Ion Ratio Lower Upper

149 100

167 32.1 24.7 37.1

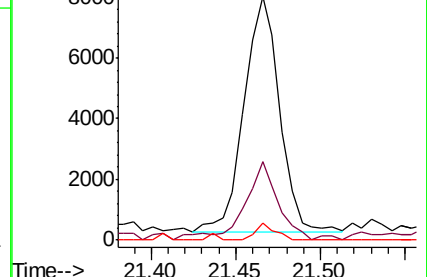
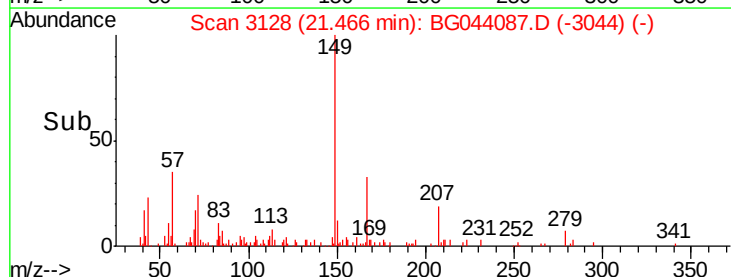
279 6.7 3.3 4.9#

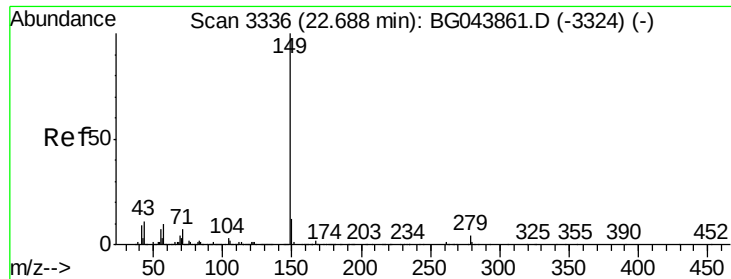


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

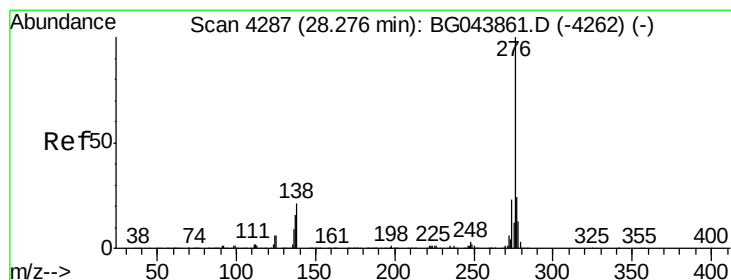
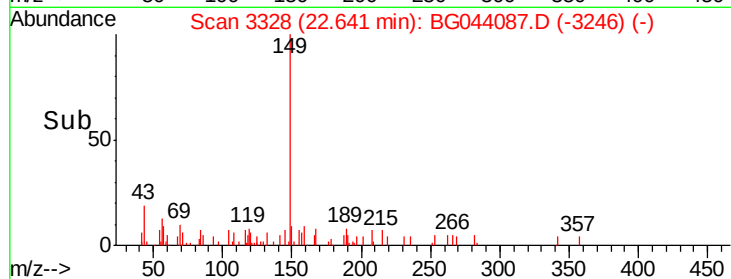
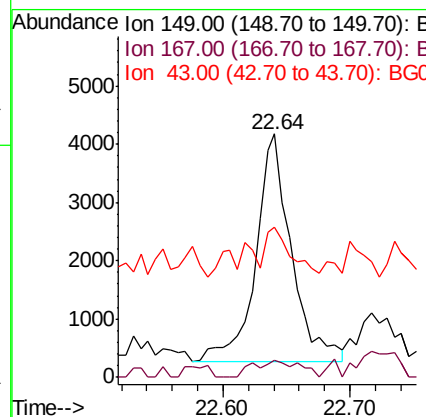
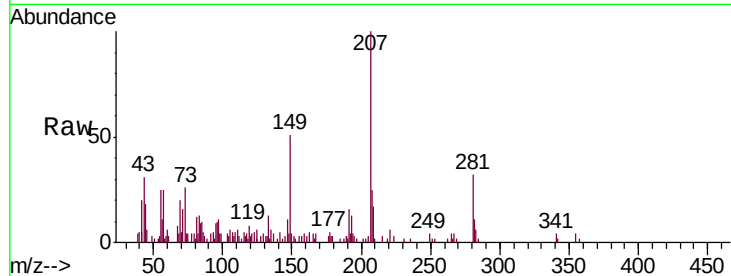




#85  
Di-n-octyl phthalate  
Concen: 0.262 ng  
RT: 22.64 min Scan# 3328  
Delta R.T. -0.05 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

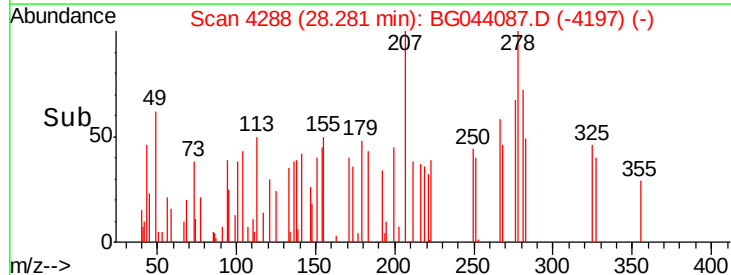
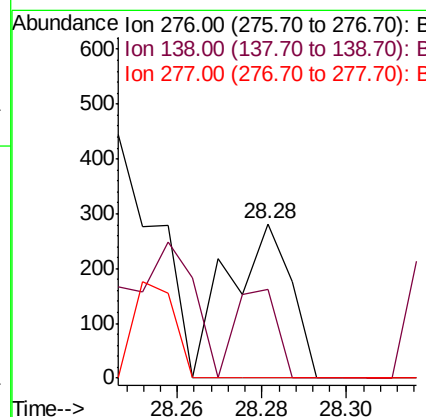
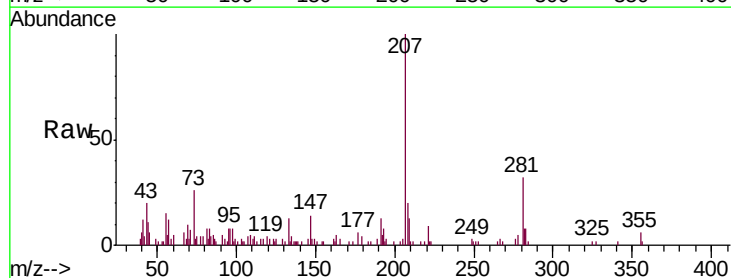
Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

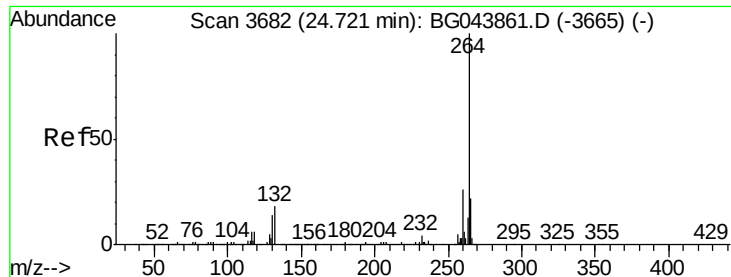
Tgt Ion:149 Resp: 7689  
Ion Ratio Lower Upper  
149 100  
167 6.9 1.4 2.0#  
43 17.9 8.8 13.2#



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 0.009 ng  
RT: 28.28 min Scan# 4288  
Delta R.T. 0.01 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Tgt Ion:276 Resp: 293  
Ion Ratio Lower Upper  
276 100  
138 37.9 21.0 31.4#  
277 0.0 21.1 31.7#



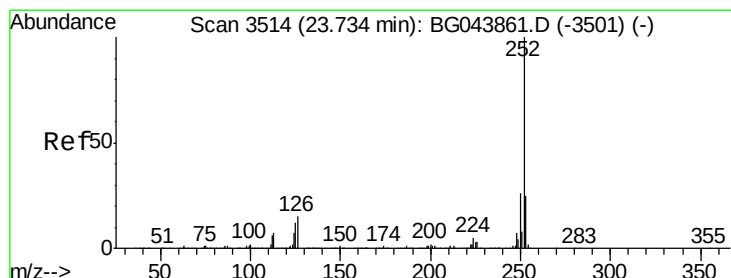
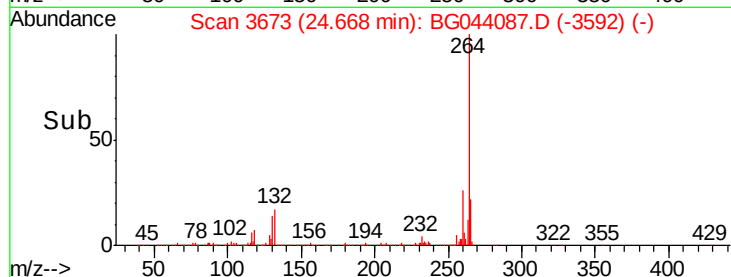
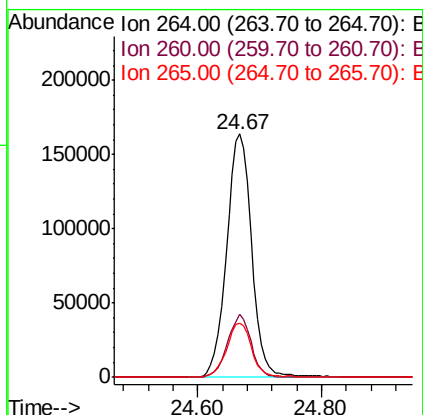
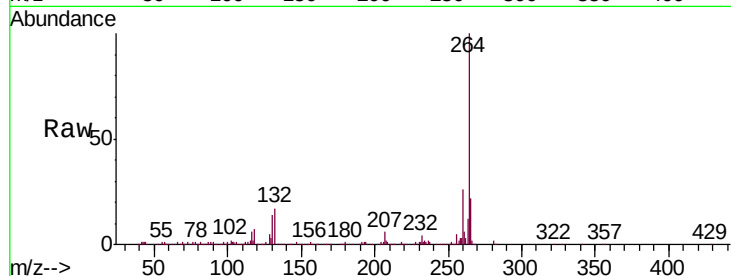


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.67 min Scan# 3673  
Delta R.T. -0.05 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Instrument :  
BNA\_G  
ClientSampleId :  
MH-109-(SETTLED)

Tgt Ion: 264 Resp: 460884  

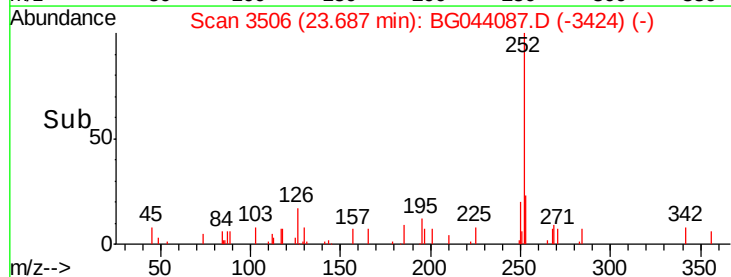
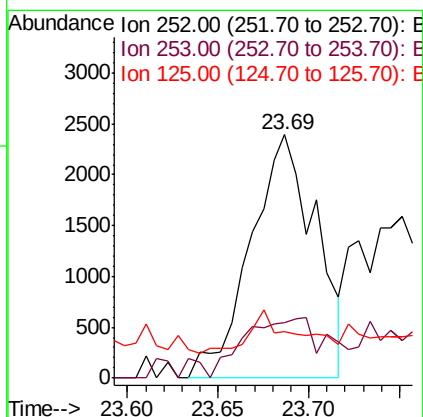
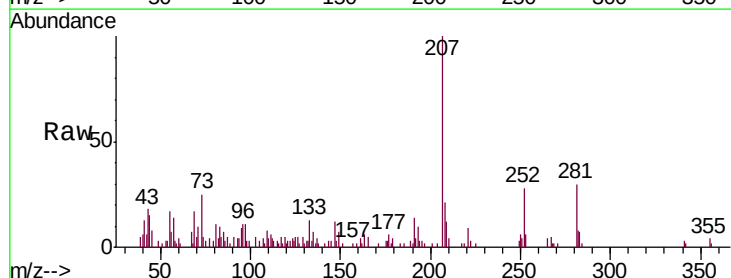
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.7  | 20.4  | 30.6  |
| 265 | 22.3  | 17.4  | 26.2  |

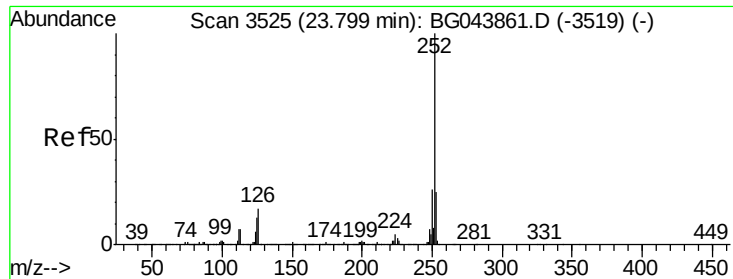


#88  
Benzo(b)fluoranthene  
Concen: 0.221 ng  
RT: 23.69 min Scan# 3506  
Delta R.T. -0.05 min  
Lab File: BG044087.D  
Acq: 17 Jan 2020 23:13

Tgt Ion: 252 Resp: 6013  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.7  | 19.7  | 29.5  |
| 125 | 18.9  | 9.4   | 14.2  |





#89

Benzo(k)fluoranthene

Concen: 0.149 ng

RT: 23.75 min Scan# 3517

Delta R.T. -0.05 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

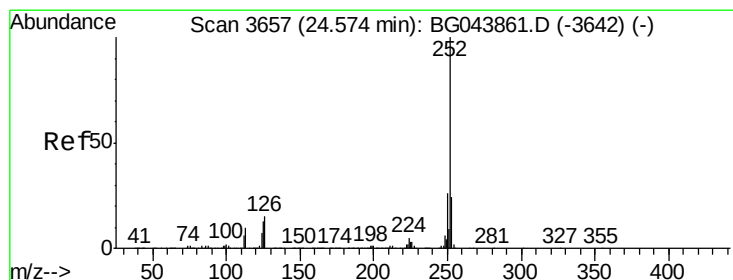
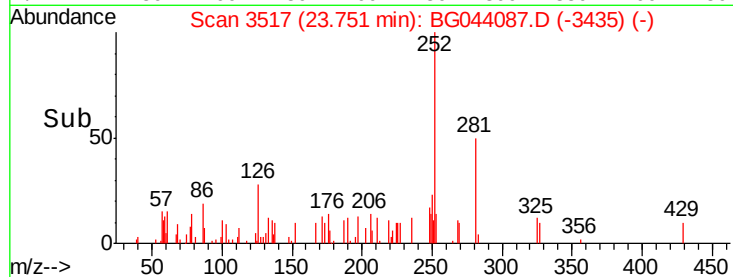
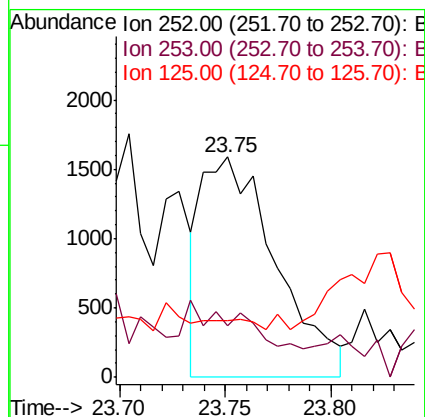
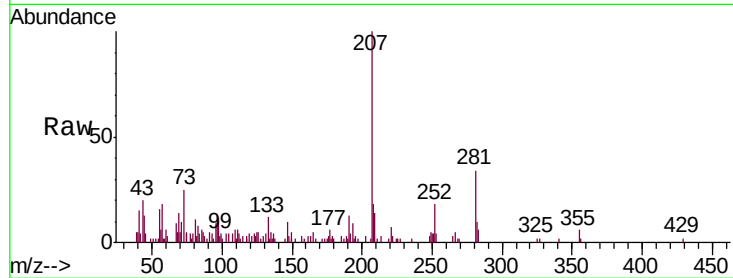
Tgt Ion:252 Resp: 3866

Ion Ratio Lower Upper

252 100

253 23.6 19.4 29.2

125 26.0 9.9 14.9#



#90

Benzo(a)pyrene

Concen: 0.191 ng

RT: 24.52 min Scan# 3648

Delta R.T. -0.05 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

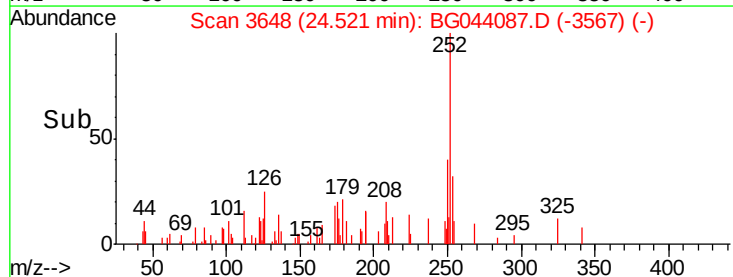
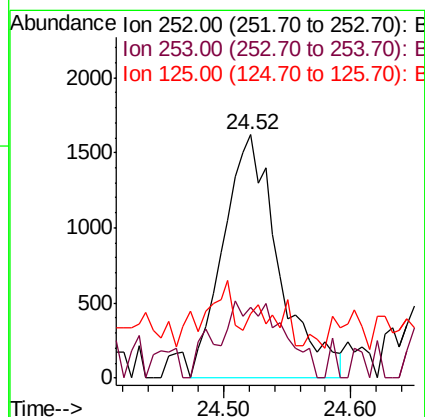
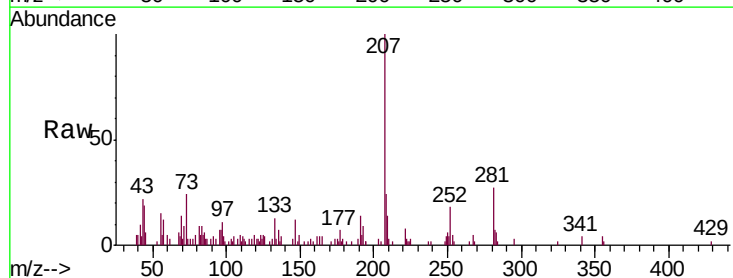
Tgt Ion:252 Resp: 4921

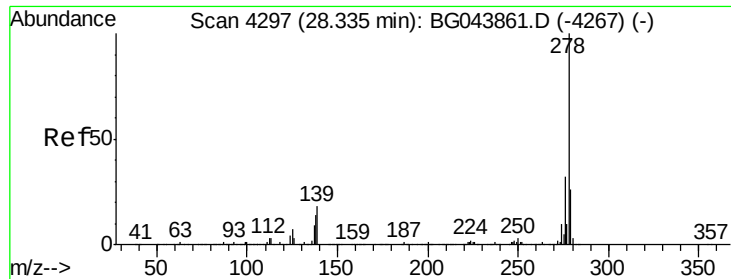
Ion Ratio Lower Upper

252 100

253 28.9 19.3 28.9

125 26.6 10.4 15.6#





#91

Dibenzo(a,h)anthracene

Concen: 0.042 ng

RT: 28.26 min Scan# 4285

Delta R.T. -0.07 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

Instrument :

BNA\_G

ClientSampleId :

MH-109-(SETTLED)

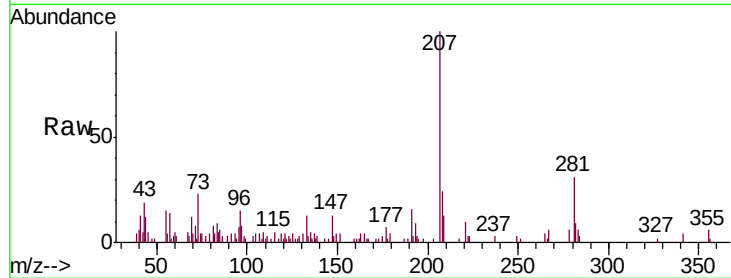
Tgt Ion:278 Resp: 1088

Ion Ratio Lower Upper

278 100

139 46.4 14.2 21.4#

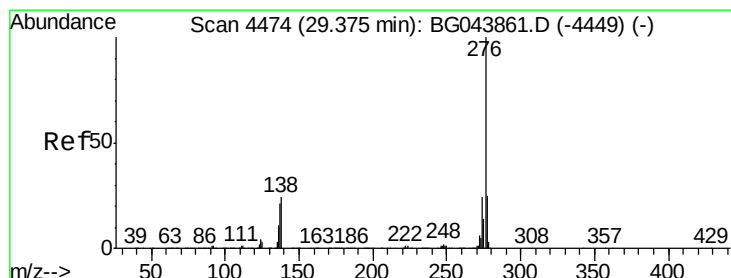
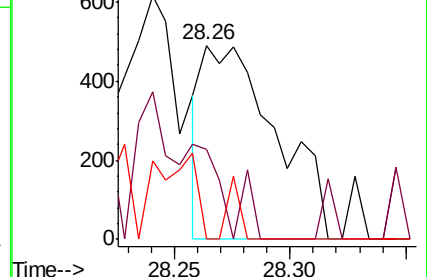
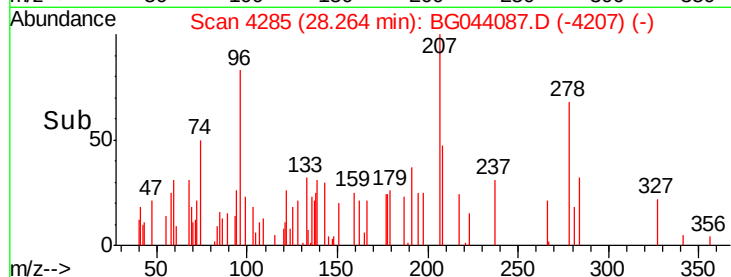
279 0.0 20.6 30.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.013 ng

RT: 29.33 min Scan# 4467

Delta R.T. -0.04 min

Lab File: BG044087.D

Acq: 17 Jan 2020 23:13

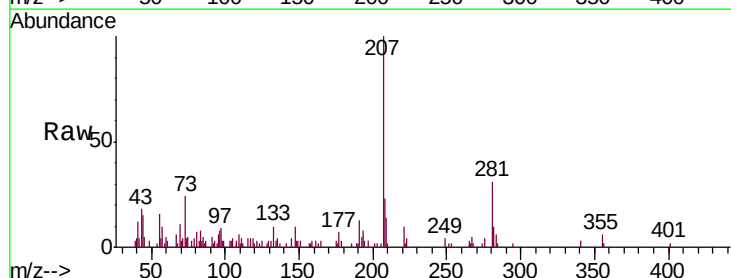
Tgt Ion:276 Resp: 333

Ion Ratio Lower Upper

276 100

277 0.0 20.2 30.4#

138 0.0 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

