

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101918\  
 Data File : BM017259.D  
 Acq On : 20 Oct 2018 11:25  
 Operator : MJ/SJ  
 Sample : J5195-04MS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 22 02:48:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 357501   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 1491053  | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.31 | 164  | 873804   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.06 | 188  | 1906246  | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.25 | 240  | 1706148  | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.46 | 264  | 1459747  | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.29  | 112 | 2430162 | 114.97 | ng | 0.00  |
| 7) Phenol-d6             | 6.85  | 99  | 2979573 | 103.50 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 8.82  | 82  | 2219248 | 87.05  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 15.80 | 330 | 1480699 | 125.30 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 12.92 | 172 | 5015696 | 76.37  | ng | -0.01 |
| 79) Terphenyl-d14        | 19.70 | 244 | 7049029 | 93.13  | ng | 0.00  |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 321202  | 29.759 | ng | # 79   |
| 3) Pyridine                    | 3.66  | 79  | 895755  | 36.068 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 3.57  | 42  | 447431  | 44.878 | ng | # 70   |
| 6) Aniline                     | 7.01  | 93  | 358116  | 9.946  | ng | 96     |
| 8) 2-Chlorophenol              | 7.24  | 128 | 1200327 | 49.087 | ng | 97     |
| 9) Benzaldehyde                | 6.82  | 77  | 424817  | 23.144 | ng | 99     |
| 10) Phenol                     | 6.87  | 94  | 1273249 | 41.096 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 1108188 | 44.869 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.56  | 146 | 1270158 | 44.558 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.70  | 146 | 1287160 | 44.196 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.02  | 146 | 1239040 | 44.157 | ng | 98     |
| 15) Benzyl Alcohol             | 7.91  | 79  | 1090730 | 51.835 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 1499547 | 43.458 | ng | 99     |
| 17) 2-Methylphenol             | 8.11  | 107 | 991806  | 49.873 | ng | 98     |
| 18) Hexachloroethane           | 8.73  | 117 | 460333  | 46.186 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 923879  | 48.739 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.44  | 107 | 1341073 | 49.306 | ng | 99     |
| 22) Acetophenone               | 8.49  | 105 | 1828641 | 48.381 | ng | # 99   |
| 24) Nitrobenzene               | 8.86  | 77  | 1344842 | 49.869 | ng | 96     |
| 25) Isophorone                 | 9.39  | 82  | 2502174 | 59.436 | ng | 98     |
| 26) 2-Nitrophenol              | 9.56  | 139 | 669173  | 52.424 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 1150424 | 61.800 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 1572865 | 53.082 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.09 | 162 | 1193120 | 55.203 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 1228494 | 47.381 | ng | 98     |
| 31) Naphthalene                | 10.49 | 128 | 3755267 | 51.393 | ng | 100    |
| 32) Benzoic acid               | 9.79  | 122 | 707373  | 50.929 | ng | 95     |
| 33) 4-Chloroaniline            | 10.62 | 127 | 167704  | 5.314  | ng | 97     |
| 34) Hexachlorobutadiene        | 10.77 | 225 | 739063  | 44.987 | ng | 99     |
| 35) Caprolactam                | 11.41 | 113 | 107415  | 13.637 | ng | 98     |
| 36) 4-Chloro-3-methylphenol    | 11.74 | 107 | 1286700 | 52.814 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 2843427 | 56.866 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 2701515 | 55.511 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 1465854 | 47.635 | ng | 98     |

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 Sample : J5195-04MS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

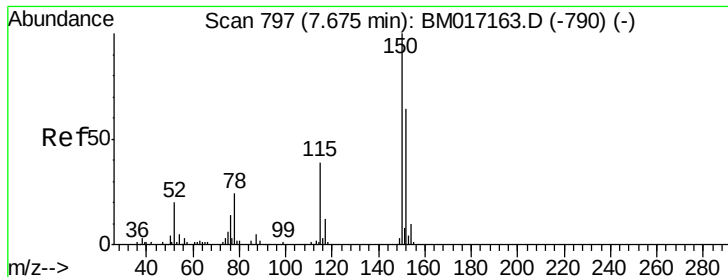
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 22 02:48:37 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 17 14:23:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.46 | 237  | 1975867  | 132.819 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.73 | 196  | 981592   | 54.950  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.80 | 196  | 1065880  | 55.643  | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.13 | 154  | 3610495  | 45.916  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.17 | 162  | 2805826  | 48.503  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.39 | 65   | 824302   | 50.149  | nq    | 94       |
| 49) Acenaphthylene             | 14.03 | 152  | 4575868  | 54.572  | nq    | 100      |
| 50) Dimethylphthalate          | 13.78 | 163  | 3510072  | 52.067  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.90 | 165  | 784513   | 52.873  | nq    | 99       |
| 52) Acenaphthene               | 14.37 | 154  | 2666050  | 50.639  | nq    | 98       |
| 53) 3-Nitroaniline             | 14.23 | 138  | 315792   | 19.651  | nq    | 98       |
| 54) 2,4-Dinitrophenol          | 14.43 | 184  | 997590   | 111.047 | nq    | 98       |
| 55) Dibenzofuran               | 14.71 | 168  | 4236897  | 48.393  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.54 | 139  | 1622758  | 108.983 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 14.69 | 165  | 1080302  | 54.171  | nq    | # 99     |
| 58) Fluorene                   | 15.36 | 166  | 3416627  | 52.723  | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 966379   | 55.345  | nq    | 99       |
| 60) Diethylphthalate           | 15.15 | 149  | 3499864  | 52.349  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 1743699  | 47.198  | nq    | 99       |
| 62) 4-Nitroaniline             | 15.40 | 138  | 788268   | 44.355  | nq    | 99       |
| 63) Azobenzene                 | 15.66 | 77   | 3295919  | 50.720  | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 646860   | 52.137  | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.58 | 169  | 3018543  | 52.339  | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 1122277  | 53.619  | nq    | 98       |
| 68) Hexachlorobenzene          | 16.36 | 284  | 1200135  | 49.362  | nq    | 99       |
| 69) Atrazine                   | 16.54 | 200  | 1087124  | 52.667  | nq    | 99       |
| 70) Pentachlorophenol          | 16.71 | 266  | 1429585  | 85.834  | nq    | 100      |
| 71) Phenanthrene               | 17.10 | 178  | 5265519  | 51.197  | nq    | 100      |
| 72) Anthracene                 | 17.19 | 178  | 5364702  | 54.896  | nq    | 100      |
| 73) Carbazole                  | 17.47 | 167  | 4715119  | 47.234  | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 5740542  | 54.522  | nq    | 99       |
| 75) Fluoranthene               | 19.12 | 202  | 5814729  | 50.243  | nq    | 99       |
| 77) Benzidine                  | 19.32 | 184  | 313586   | 7.249   | nq    | 98       |
| 78) Pyrene                     | 19.49 | 202  | 5807909  | 60.907  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 2392858  | 63.261  | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.23 | 228  | 5174617  | 53.895  | nq    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.17 | 252  | 698000   | 19.506  | nq    | 99       |
| 83) Chrysene                   | 21.29 | 228  | 4800681  | 50.516  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 3280411  | 57.861  | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 5109957  | 53.595  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 4699400  | 44.212  | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 22.80 | 252  | 4419905  | 55.381  | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 22.84 | 252  | 4454655  | 55.625  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.37 | 252  | 4195338  | 55.364  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.69 | 278  | 3959255  | 52.619  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.36 | 276  | 3944569  | 52.894  | nq    | 99       |

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



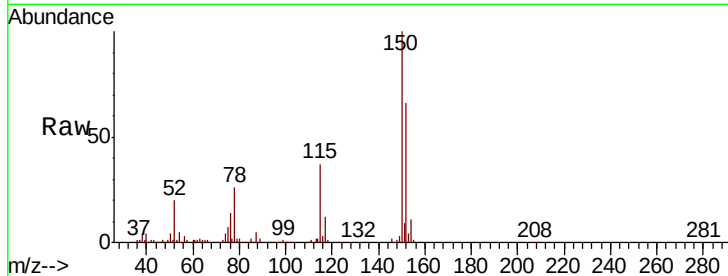


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.67 min Scan# 796  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.4 | 124.3 | 186.5 |
| 115     | 56.6  | 48.1  | 72.1  |

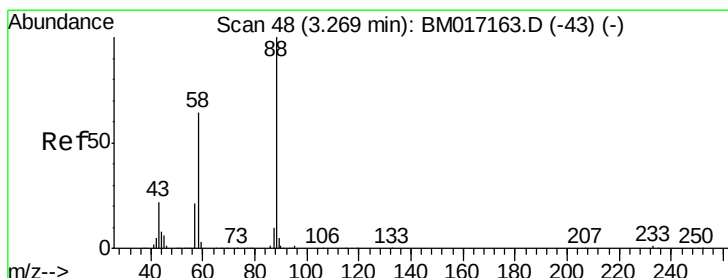
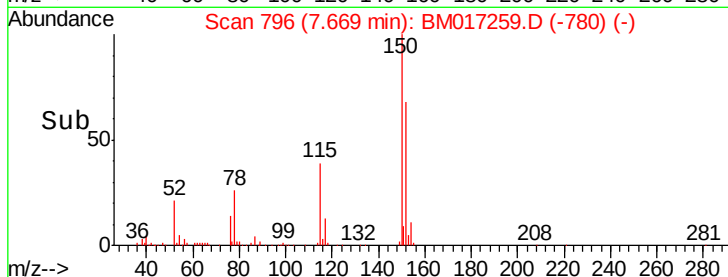
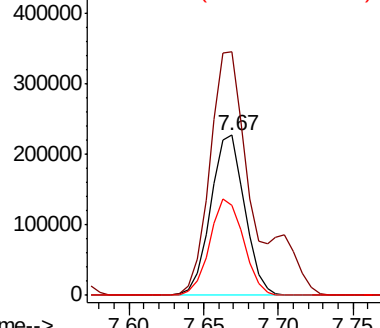


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

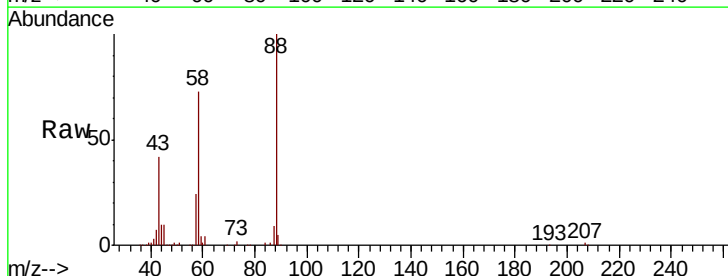
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 29.759 ng  
RT: 3.28 min Scan# 50  
Delta R.T. 0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 73.6  | 50.2  | 75.4  |
| 43      | 43.0  | 19.3  | 28.9  |

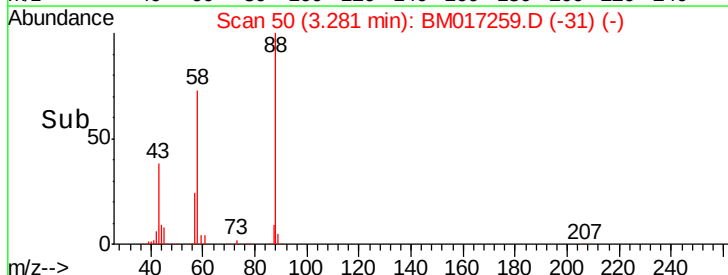
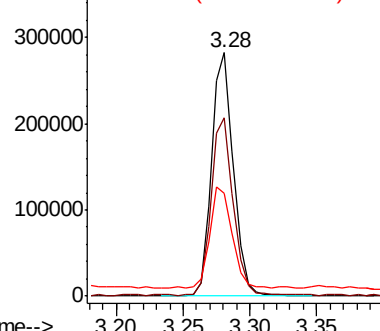


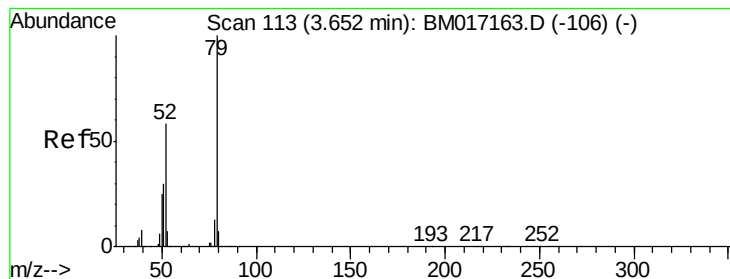
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 36.068 ng

RT: 3.66 min Scan# 115

Delta R.T. 0.01 min

Lab File: BM017259.D

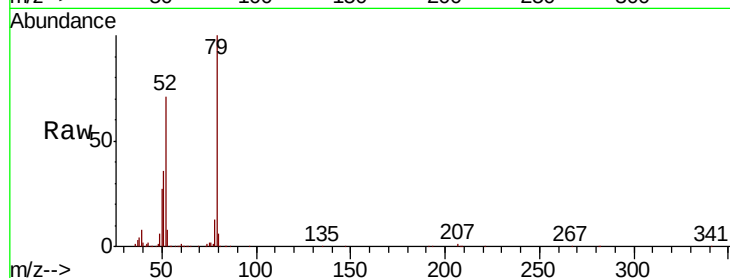
Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 79    | Resp: | 895755 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 70.7  | 46.5  | 69.7#  |
| 51       | 35.8  | 24.6  | 37.0   |



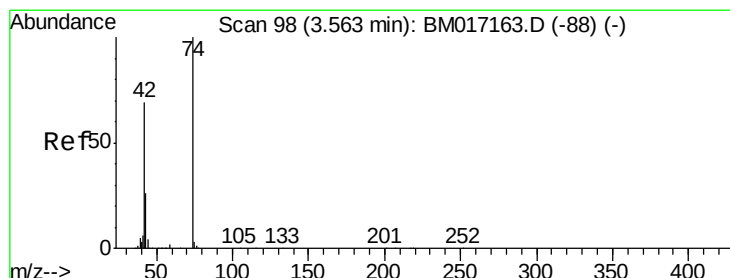
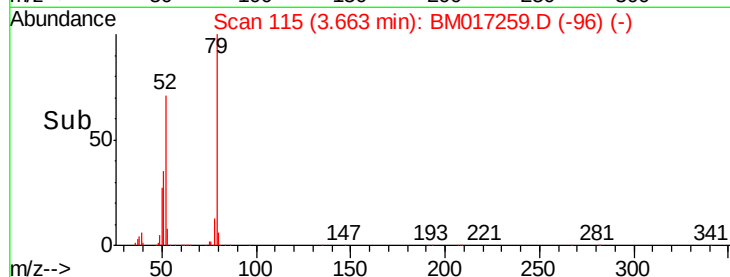
Abundance Ion 79.00 (78.70 to 79.70): BM017259.D (-115) (-)

Ion 52.00 (51.70 to 52.70): BM017259.D (-115) (-)

Ion 51.00 (50.70 to 51.70): BM017259.D (-115) (-)

3.66

Time-->



#4

n-Nitrosodimethylamine

Concen: 44.878 ng

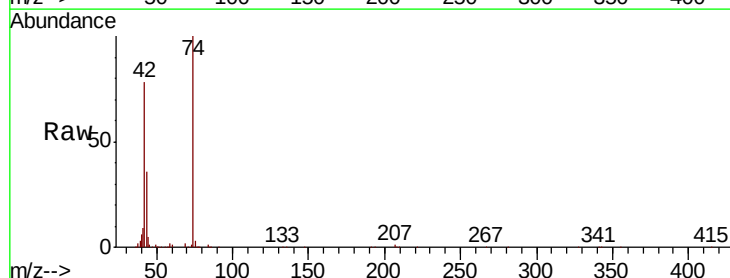
RT: 3.57 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 42    | Resp: | 447431 |
| Ion      | Ratio | Lower | Upper  |
| 42       | 100   |       |        |
| 74       | 128.2 | 114.4 | 171.6  |
| 44       | 6.5   | 48.6  | 73.0#  |



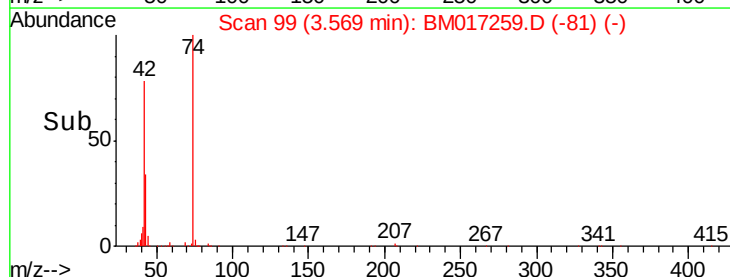
Abundance Ion 42.00 (41.70 to 42.70): BM017259.D (-98) (-)

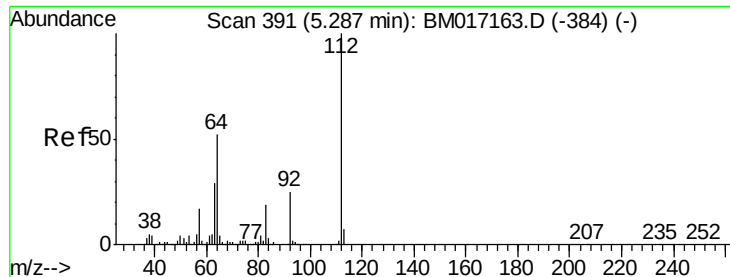
Ion 74.00 (73.70 to 74.70): BM017259.D (-98) (-)

Ion 44.00 (43.70 to 44.70): BM017259.D (-98) (-)

3.57

Time-->





#5

2-Fluorophenol

Concen: 114.971 ng

RT: 5.29 min Scan# 391

Delta R.T. 0.00 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

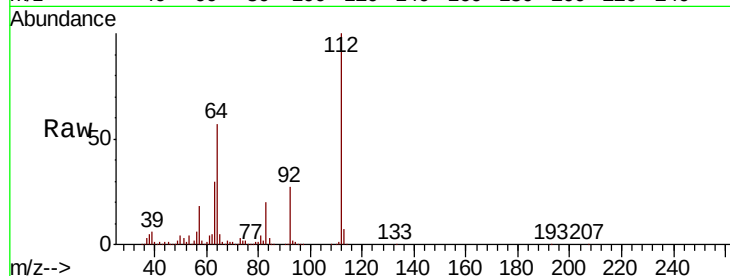
Tot Ion:112 Resp: 2430162

Ion Ratio Lower Upper

112 100

64 57.3 41.7 62.5

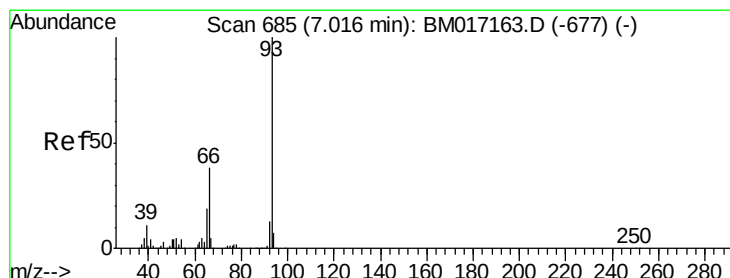
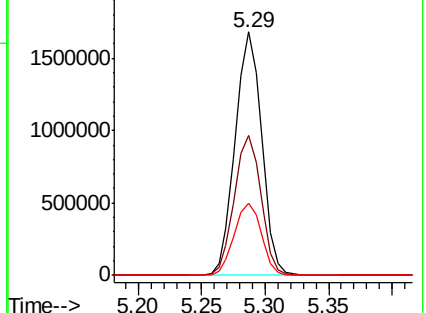
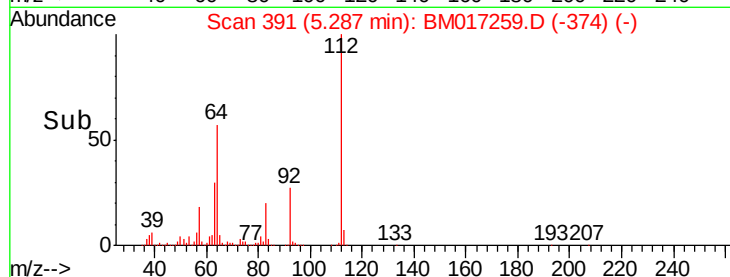
63 29.8 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 9.946 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

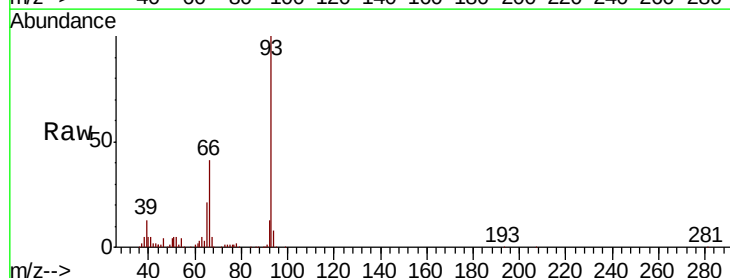
Tgt Ion: 93 Resp: 358116

Ion Ratio Lower Upper

93 100

66 40.7 30.4 45.6

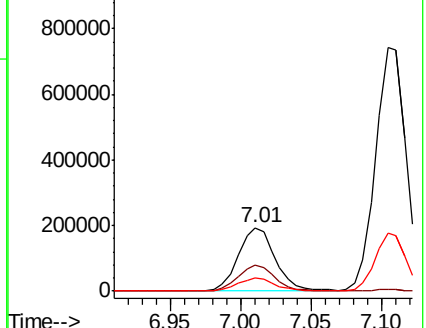
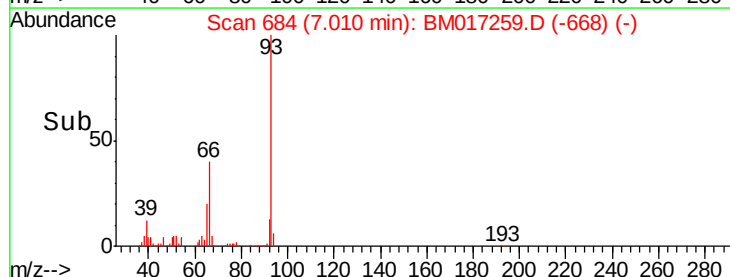
65 20.5 15.3 22.9

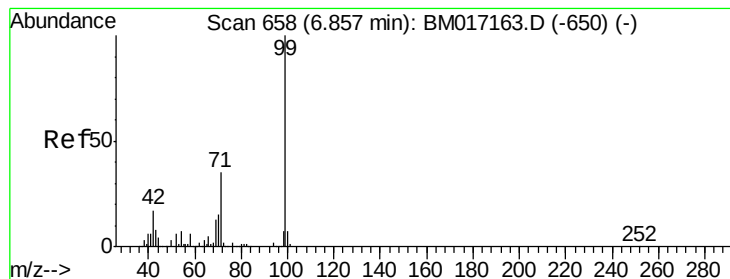


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 103.502 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

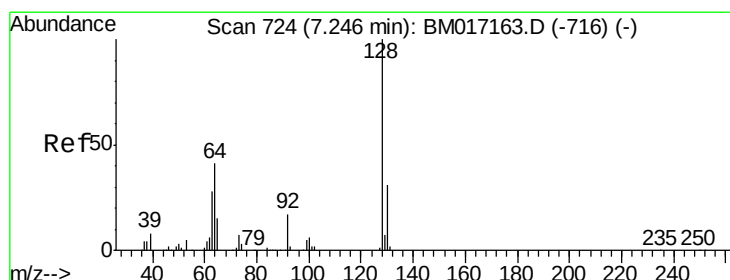
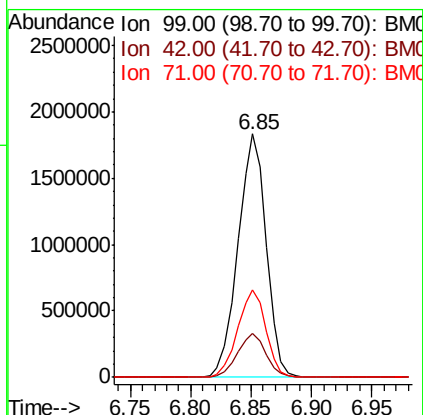
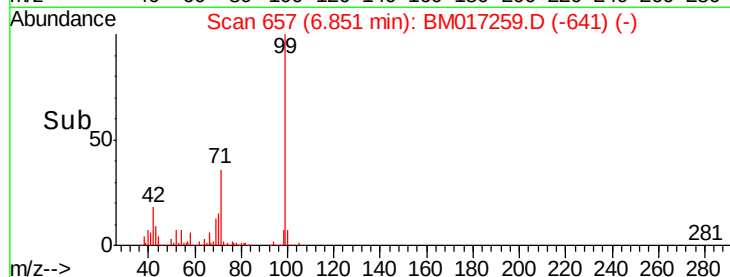
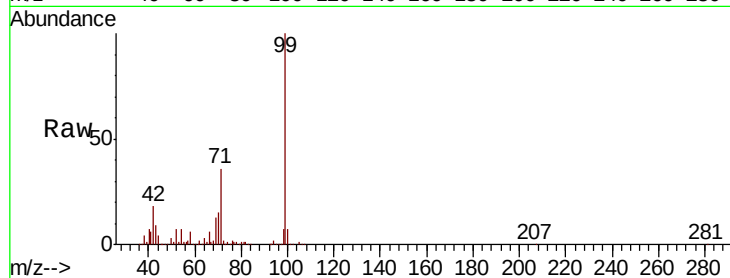
Tot Ion: 99 Resp: 2979573

Ion Ratio Lower Upper

99 100

42 17.9 13.3 19.9

71 36.1 28.0 42.0



#8

2-Chlorophenol

Concen: 49.087 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

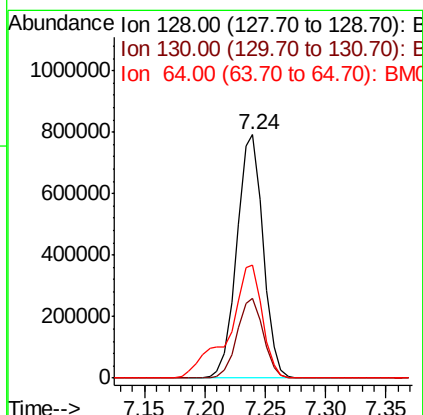
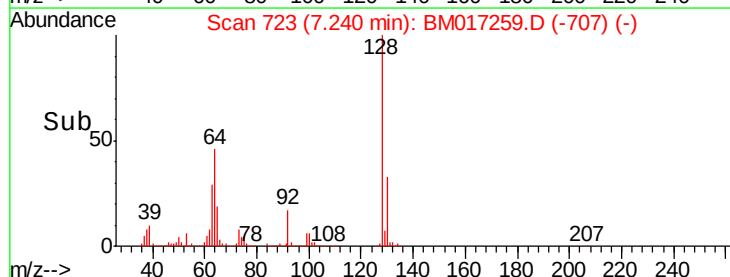
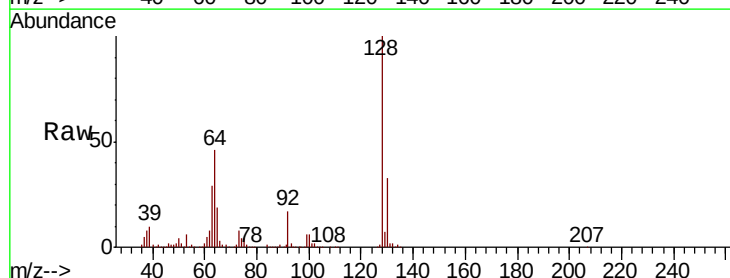
Tgt Ion: 128 Resp: 1200327

Ion Ratio Lower Upper

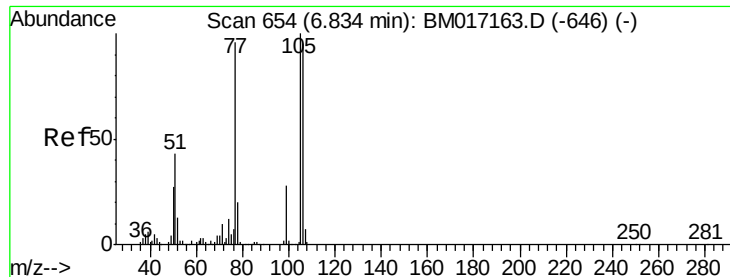
128 100

130 32.9 11.0 51.0

64 46.2 24.1 64.1







#9

Benzaldehyde

Concen: 23.144 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

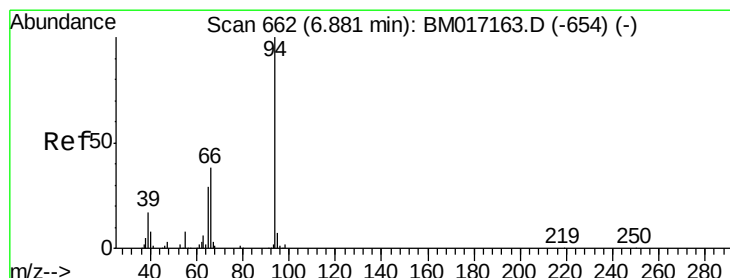
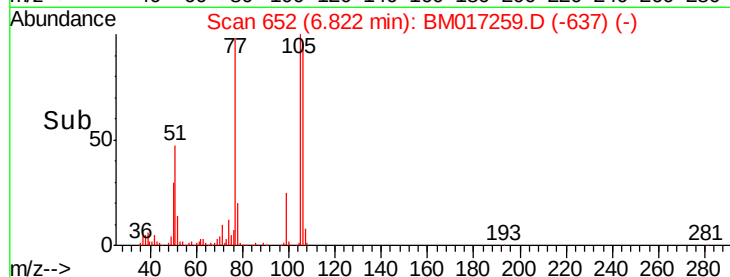
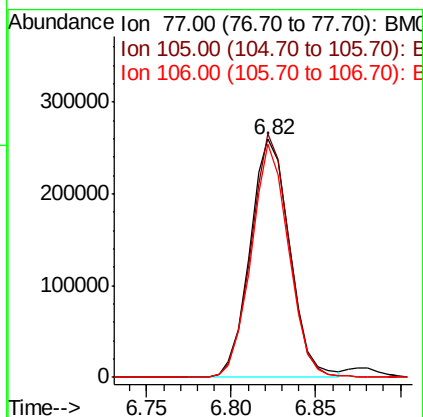
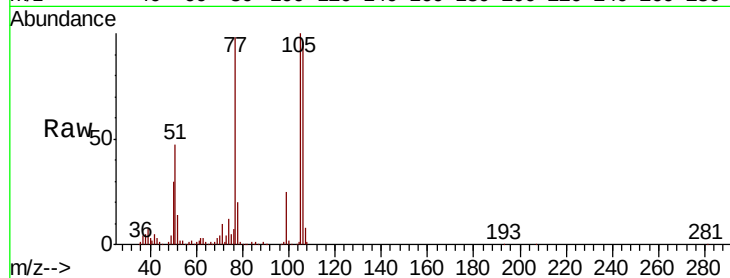
Tot Ion: 77 Resp: 424817

Ion Ratio Lower Upper

77 100

105 102.2 83.9 123.9

106 97.9 78.2 118.2



#10

Phenol

Concen: 41.096 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

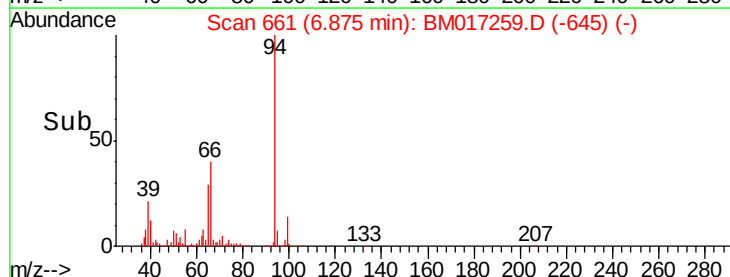
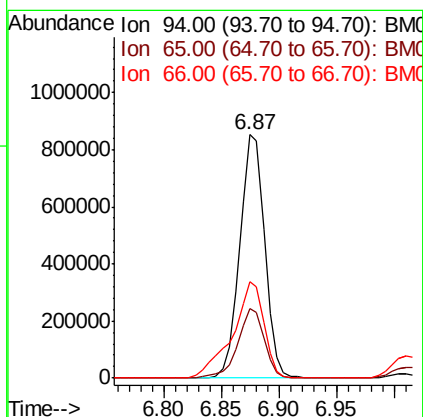
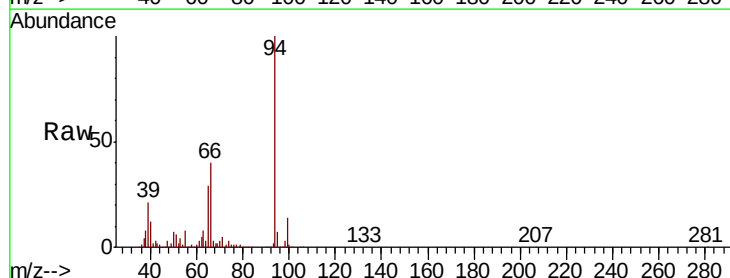
Tgt Ion: 94 Resp: 1273249

Ion Ratio Lower Upper

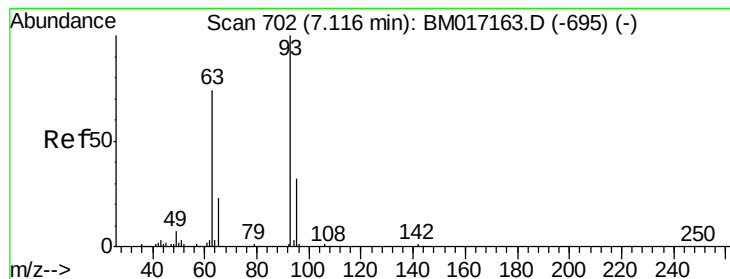
94 100

65 28.7 9.4 49.4

66 39.8 19.0 59.0







#11

bis(2-Chloroethyl)ether

Concen: 44.869 ng

RT: 7.10 min Scan# 700

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

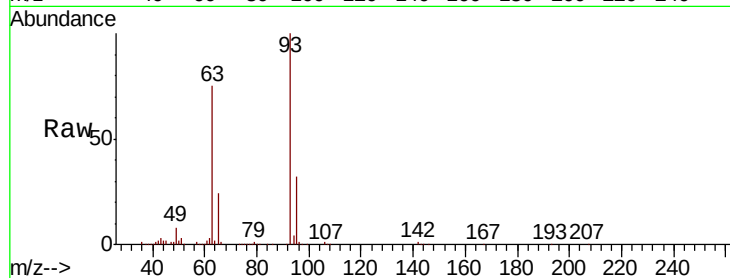
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 93 Resp: 1108188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 75.3  | 54.0  | 94.0  |
| 95  | 32.0  | 11.8  | 51.8  |

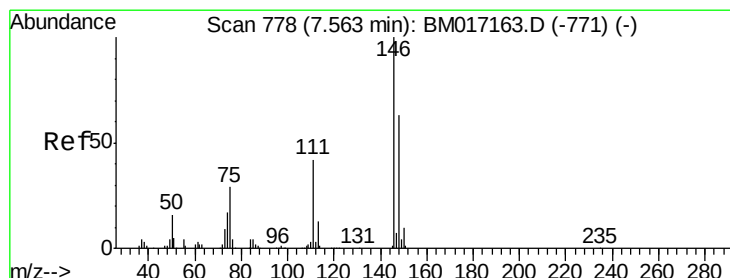
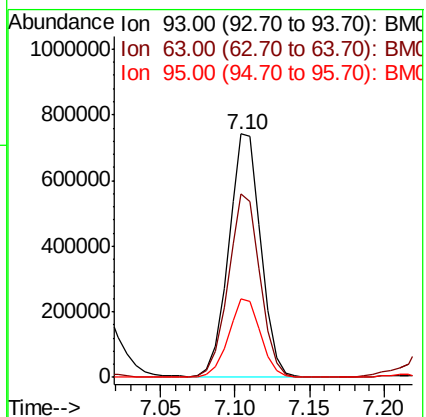
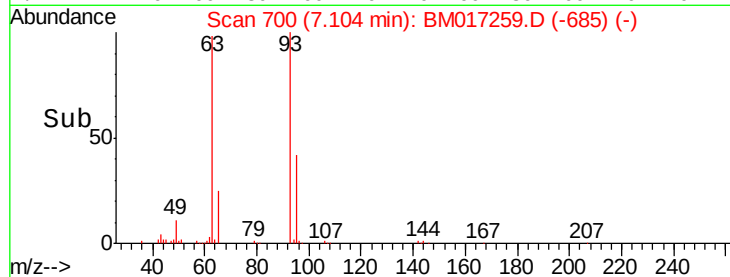


Abundance

Ion 93.00 (92.70 to 93.70): BM017163.D (-695) (-)

Ion 63.00 (62.70 to 63.70): BM017163.D (-695) (-)

Ion 95.00 (94.70 to 95.70): BM017163.D (-695) (-)



#12

1,3-Dichlorobenzene

Concen: 44.558 ng

RT: 7.56 min Scan# 777

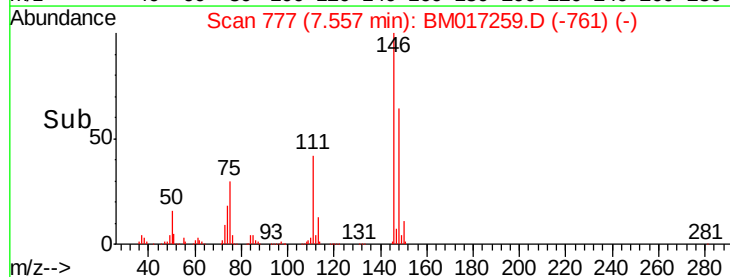
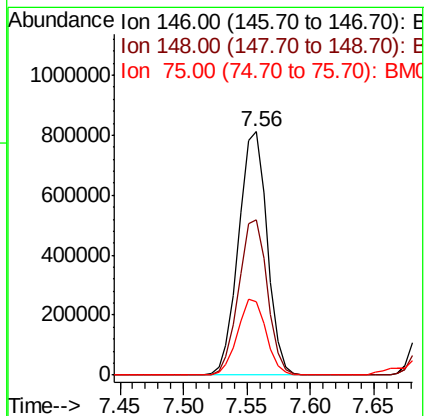
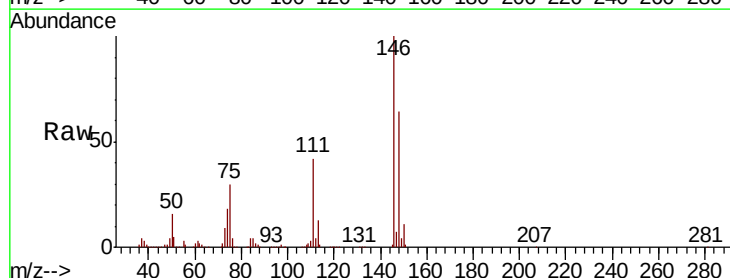
Delta R.T. -0.01 min

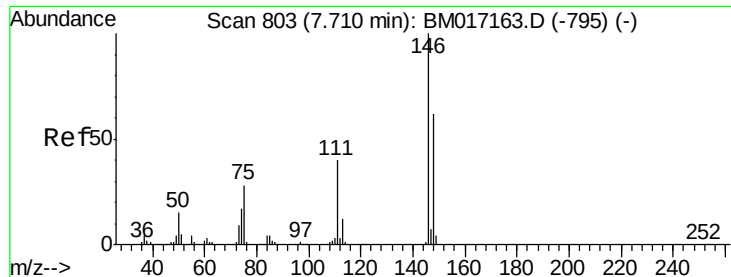
Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion: 146 Resp: 1270158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.0  | 50.2  | 75.4  |
| 75  | 30.2  | 23.3  | 34.9  |

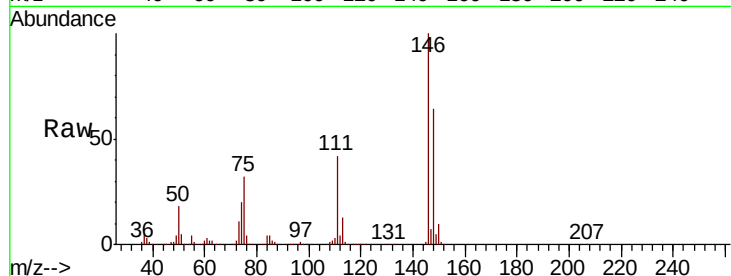




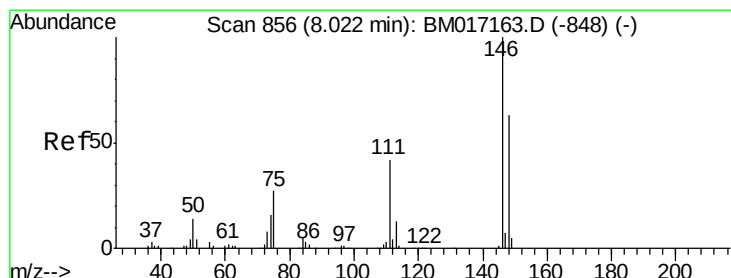
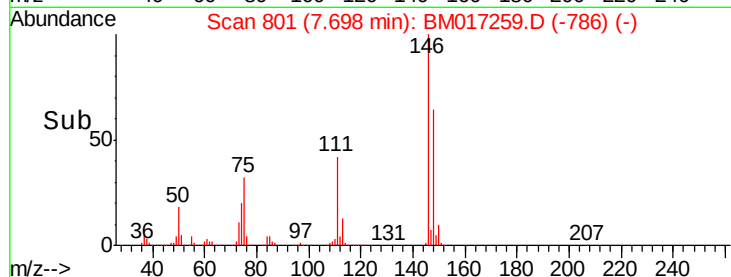
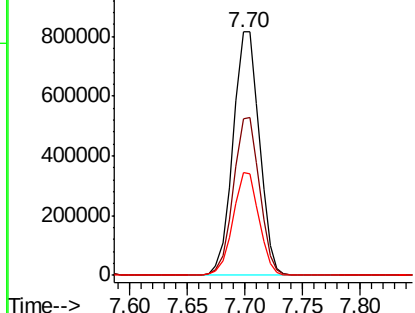
#13  
1,4-Dichlorobenzene  
Concen: 44.196 ng  
RT: 7.70 min Scan# 801  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:146 Resp: 1287160  
Ion Ratio Lower Upper  
146 100  
148 64.4 49.8 74.6  
111 42.2 32.1 48.1

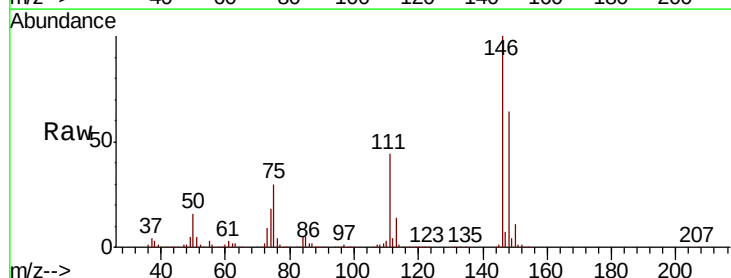


Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

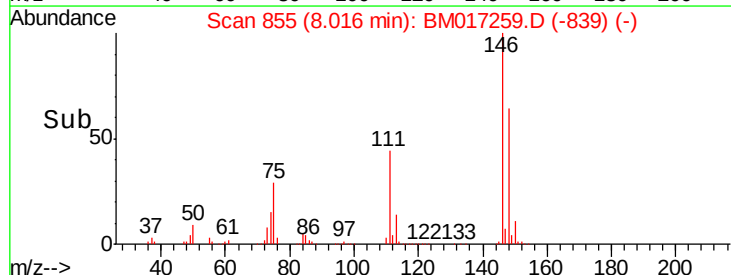
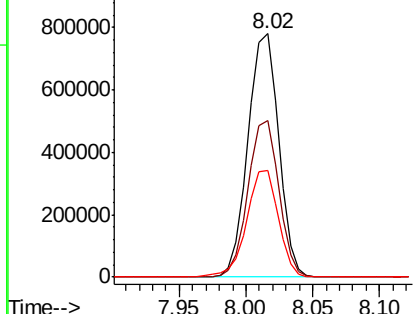


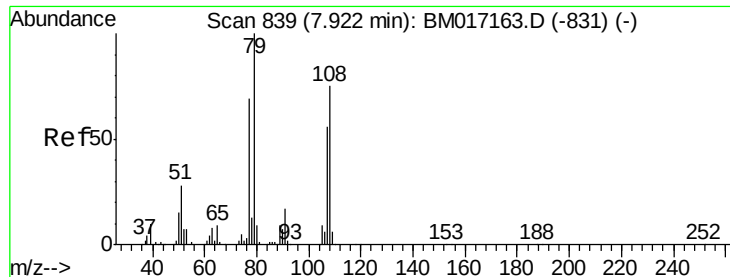
#14  
1,2-Dichlorobenzene  
Concen: 44.157 ng  
RT: 8.02 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:146 Resp: 1239040  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.8 76.2  
111 43.9 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.835 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

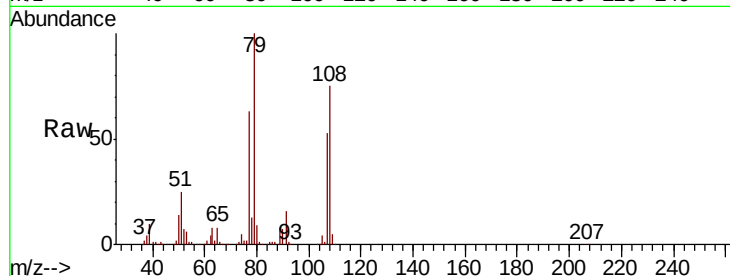
Tot Ion: 79 Resp: 1090730

Ion Ratio Lower Upper

79 100

108 75.0 60.3 90.5

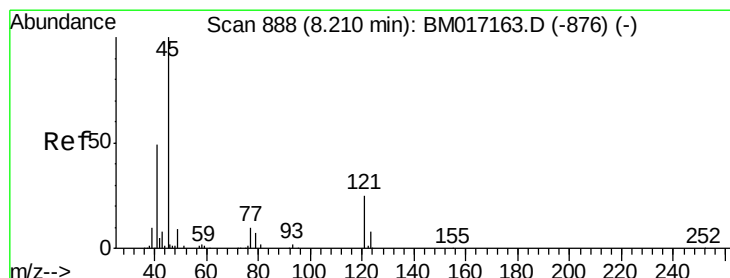
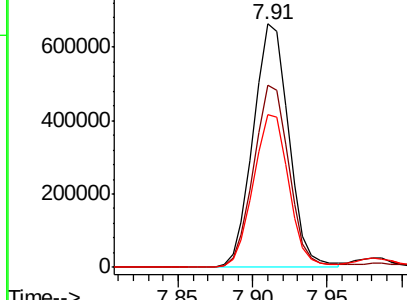
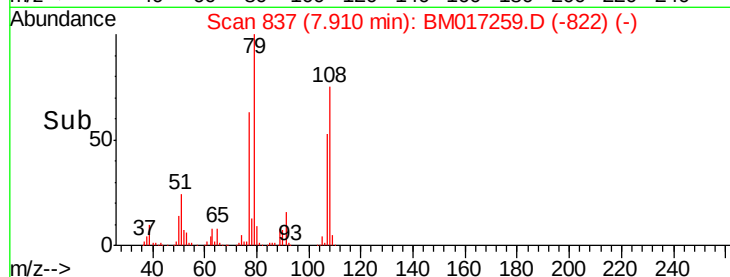
77 63.0 54.8 82.2



Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-831) (-)

Ion 108.00 (107.70 to 108.70): BM017163.D (-831) (-)

Ion 77.00 (76.70 to 77.70): BM017163.D (-831) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.458 ng

RT: 8.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

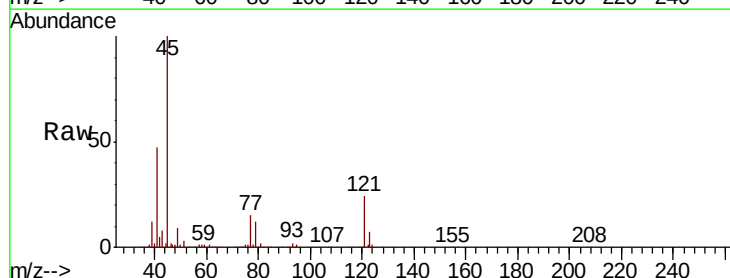
Tgt Ion: 45 Resp: 1499547

Ion Ratio Lower Upper

45 100

77 15.4 0.0 35.5

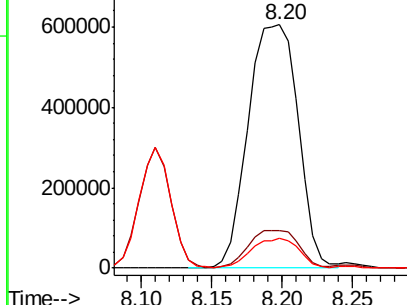
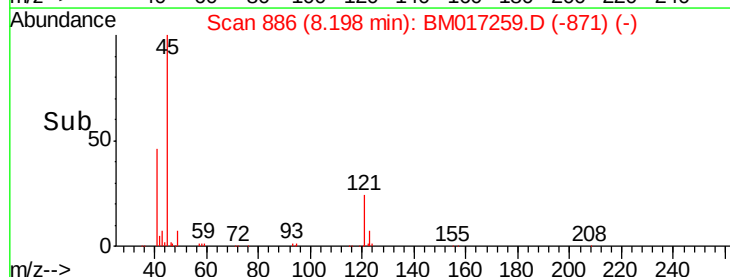
79 12.4 0.0 32.1

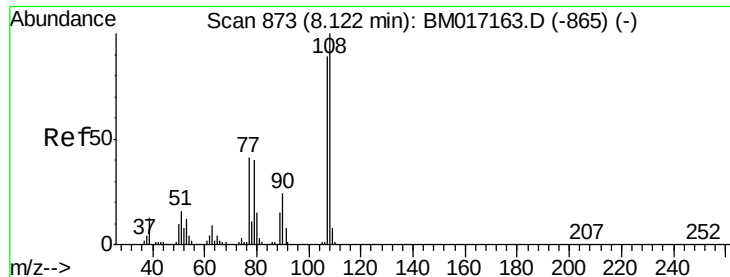


Abundance Ion 45.00 (44.70 to 45.70): BM017163.D (-876) (-)

Ion 77.00 (76.70 to 77.70): BM017163.D (-876) (-)

Ion 79.00 (78.70 to 79.70): BM017163.D (-876) (-)

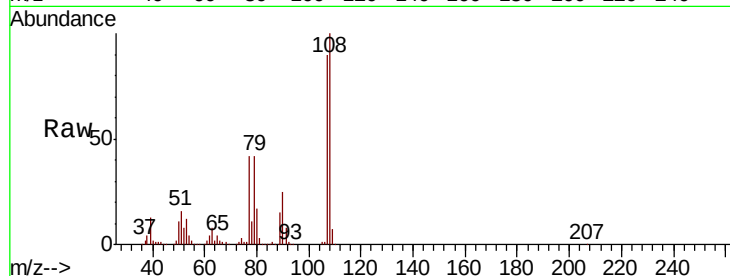




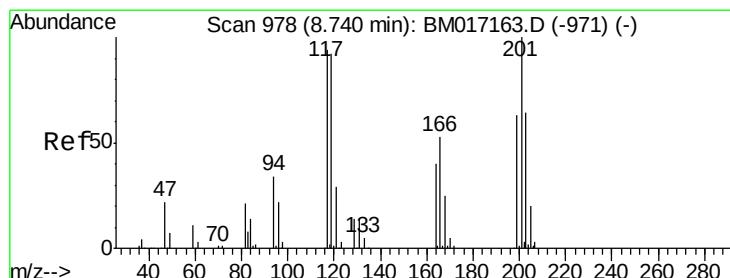
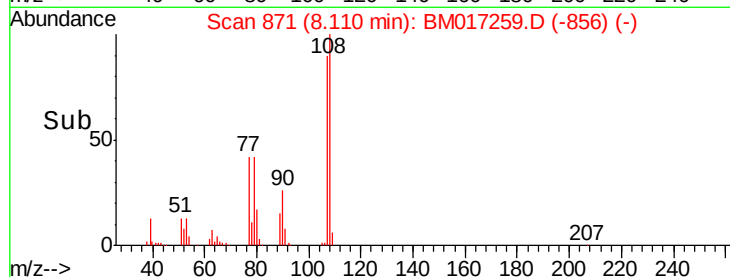
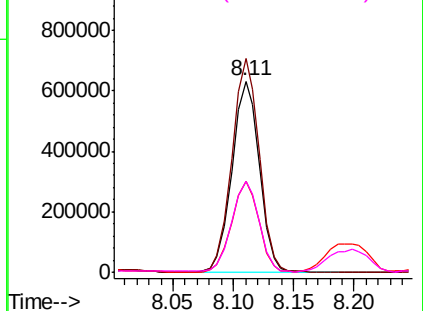
#17  
2-Methylphenol  
Concen: 49.873 ng  
RT: 8.11 min Scan# 871  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 991806 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.6 | 90.3  | 135.5  |
| 77       | 47.3  | 37.0  | 55.4   |
| 79       | 47.3  | 35.8  | 53.6   |

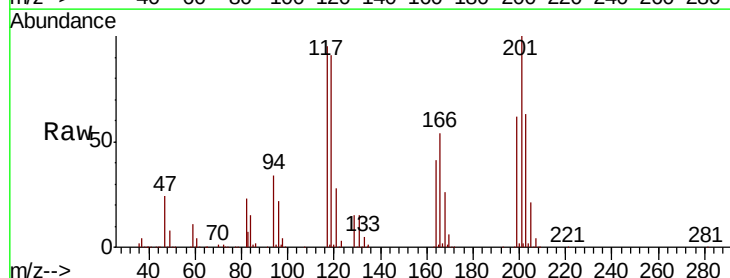


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BM0  
Ion 79.00 (78.70 to 79.70): BM0

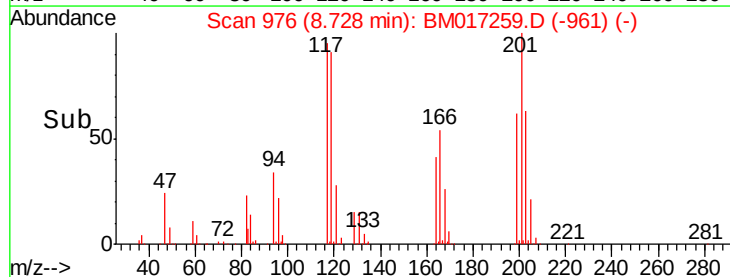
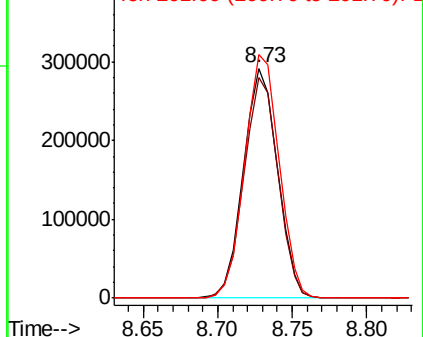


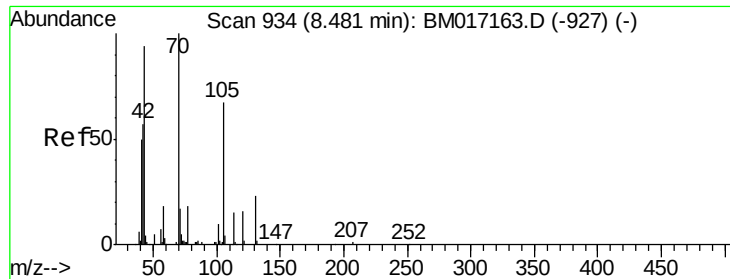
#18  
Hexachloroethane  
Concen: 46.186 ng  
RT: 8.73 min Scan# 976  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 460333 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.0  | 78.2  | 117.2  |
| 201      | 105.8 | 85.3  | 127.9  |



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

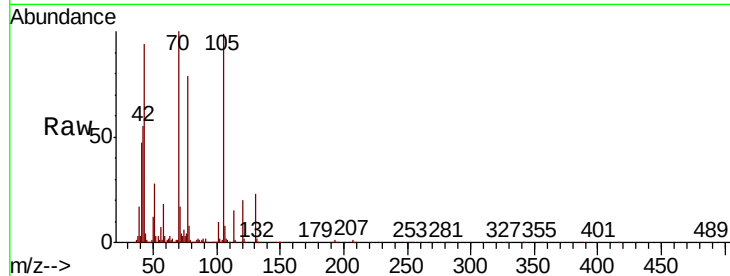




#19  
n-Nitroso-di-n-propylamine  
Concen: 48.739 ng  
RT: 8.47 min Scan# 933  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 923879 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 55.5  | 46.1  | 69.1   |
| 101      | 9.9   | 8.2   | 12.4   |
| 130      | 22.6  | 18.4  | 27.6   |



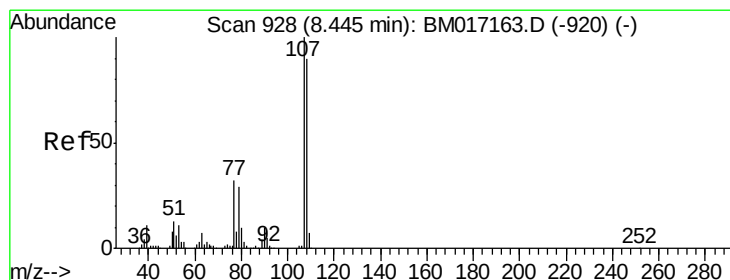
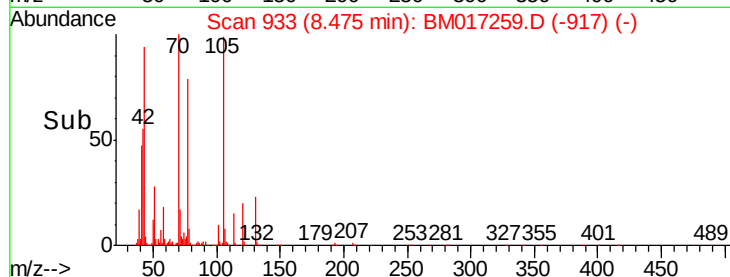
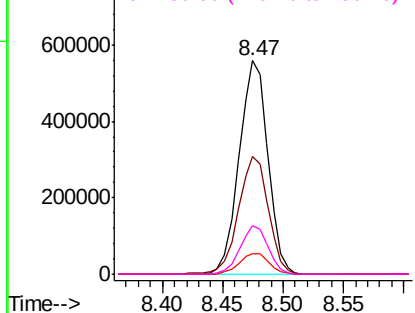
Abundance

Ion 70.00 (69.70 to 70.70): BM017259.D (-917) (-)

Ion 42.00 (41.70 to 42.70): BM017259.D (-917) (-)

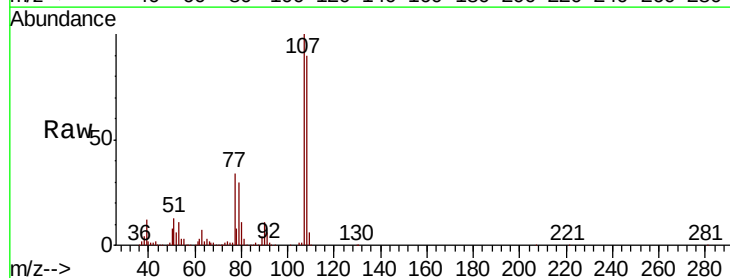
Ion 101.00 (100.70 to 101.70): BM017259.D (-917) (-)

Ion 130.00 (129.70 to 130.70): BM017259.D (-917) (-)



#20  
3+4-Methylphenols  
Concen: 49.306 ng  
RT: 8.44 min Scan# 927  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 107   | Resp: | 1341073 |
| Ion      | Ratio | Lower | Upper   |
| 107      | 100   |       |         |
| 108      | 90.3  | 69.9  | 109.9   |
| 77       | 34.1  | 12.2  | 52.2    |
| 79       | 30.3  | 9.0   | 49.0    |



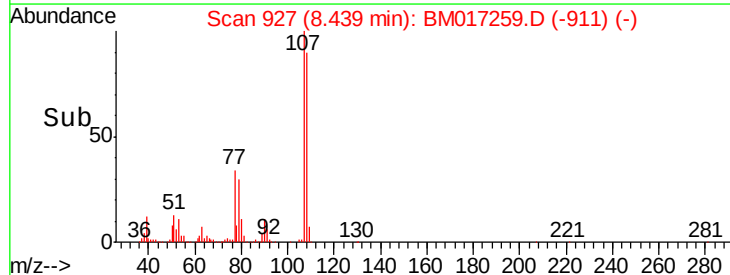
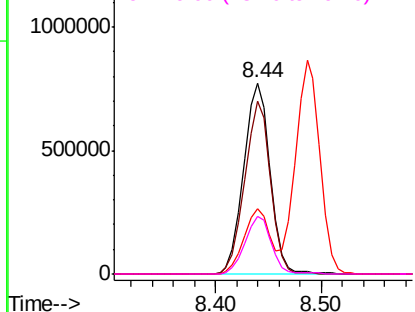
Abundance

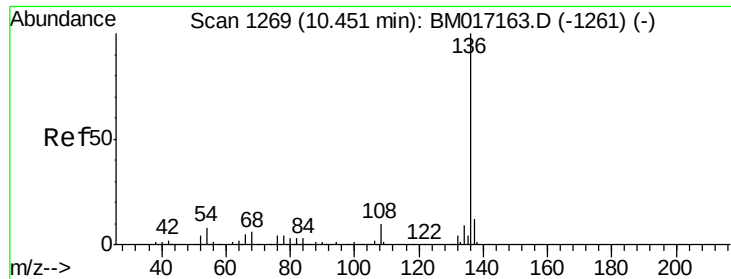
Ion 107.00 (106.70 to 107.70): BM017259.D (-911) (-)

Ion 108.00 (107.70 to 108.70): BM017259.D (-911) (-)

Ion 77.00 (76.70 to 77.70): BM017259.D (-911) (-)

Ion 79.00 (78.70 to 79.70): BM017259.D (-911) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampled :

Tot Ion:136 Resp: 1491053

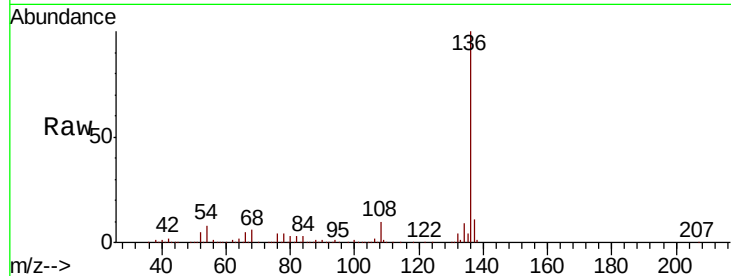
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 8.0 6.7 10.1

68 5.8 4.7 7.1

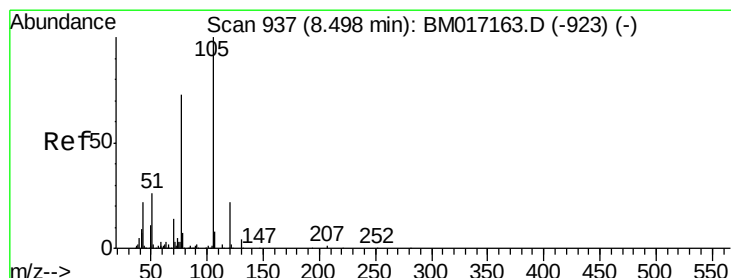
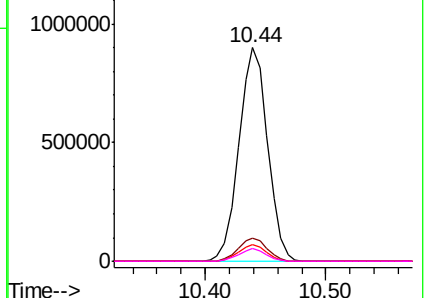
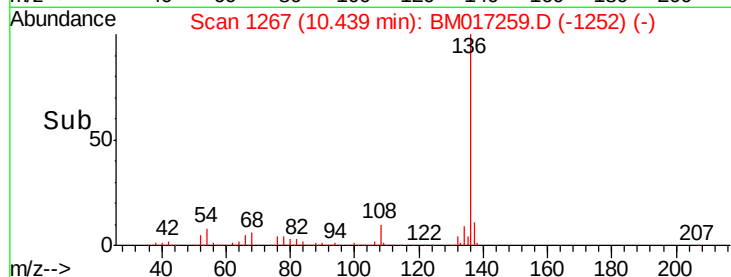


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 48.381 ng

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:105 Resp: 1828641

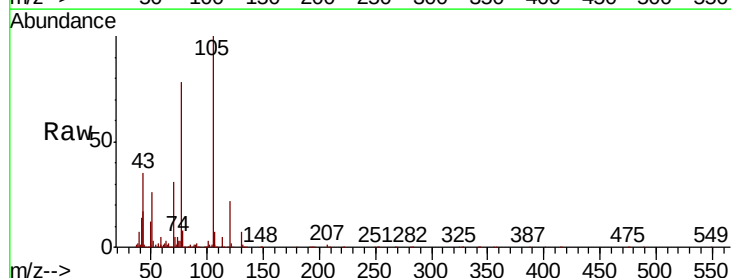
Ion Ratio Lower Upper

105 100

71 5.0 2.0 3.0#

51 26.3 20.6 31.0

120 22.4 17.5 26.3

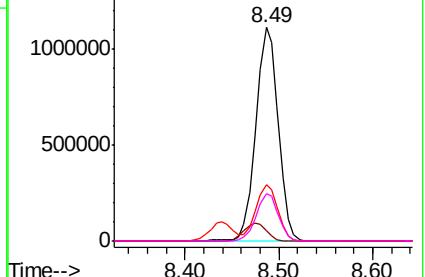
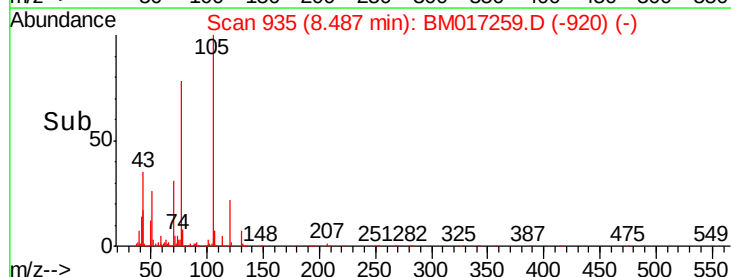


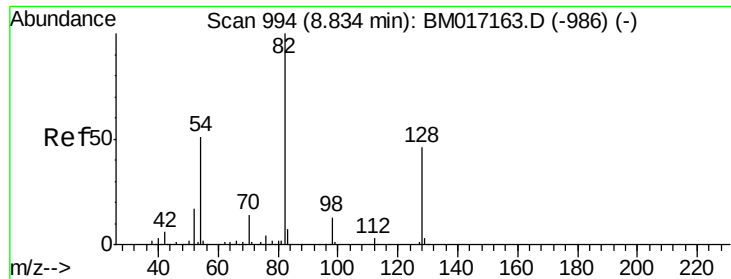
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

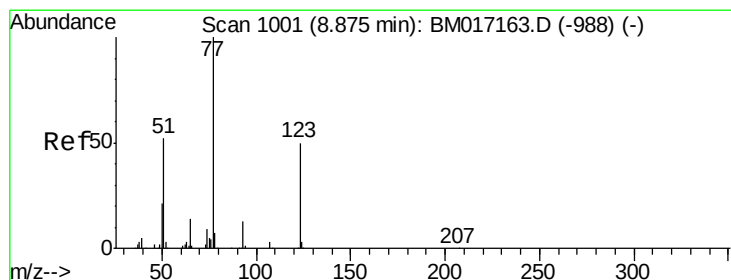
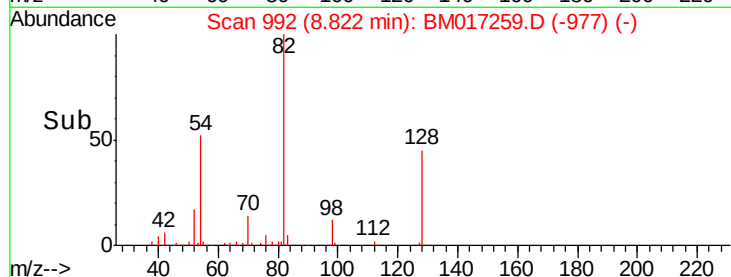
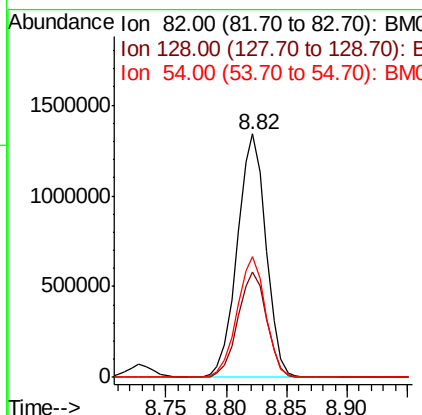
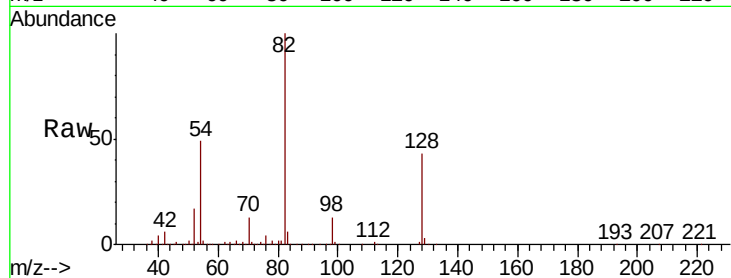




#23  
Nitrobenzene-d5  
Concen: 87.049 ng  
RT: 8.82 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

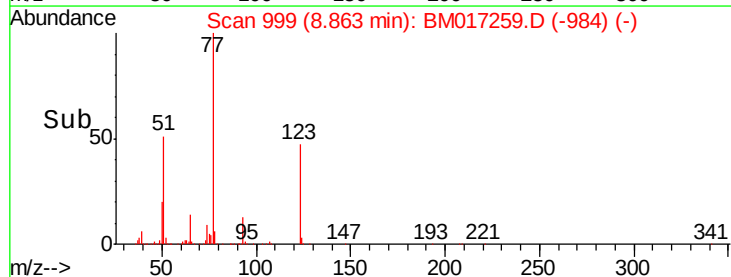
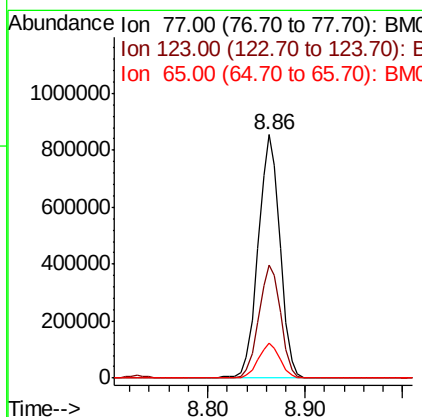
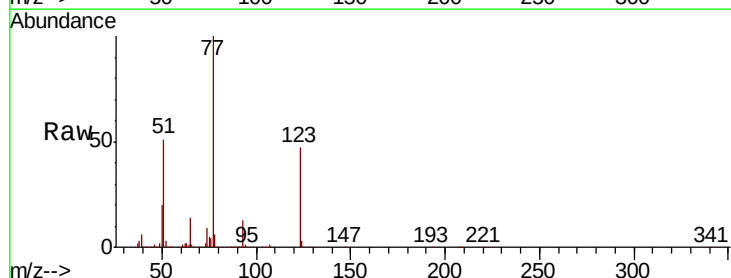
Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion: 82 Resp: 2219248  
Ion Ratio Lower Upper  
82 100  
128 43.3 37.0 55.6  
54 49.4 40.7 61.1

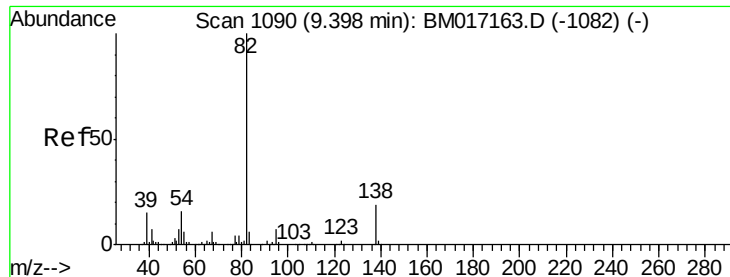


#24  
Nitrobenzene  
Concen: 49.869 ng  
RT: 8.86 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion: 77 Resp: 1344842  
Ion Ratio Lower Upper  
77 100  
123 46.5 40.2 60.4  
65 14.1 11.4 17.0







#25

Isophorone

Concen: 59.436 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

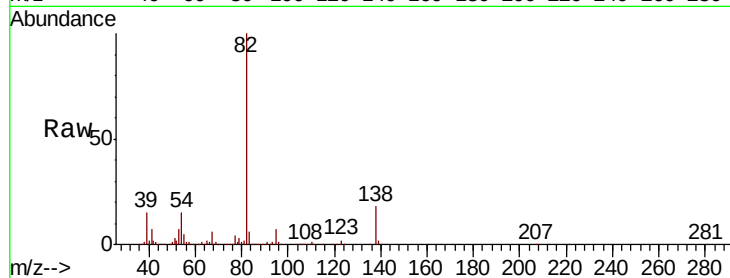
Tot Ion: 82 Resp: 2502174

Ion Ratio Lower Upper

82 100

95 7.4 6.0 9.0

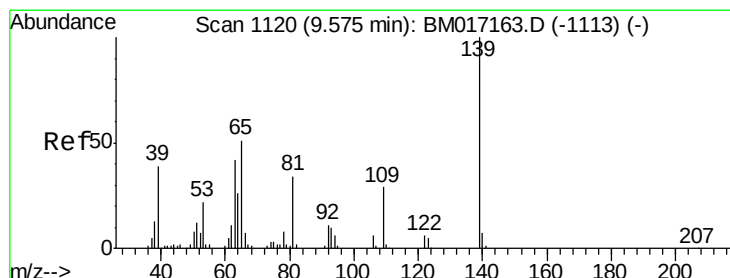
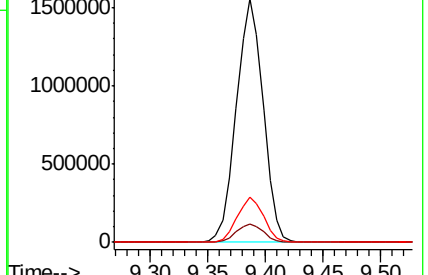
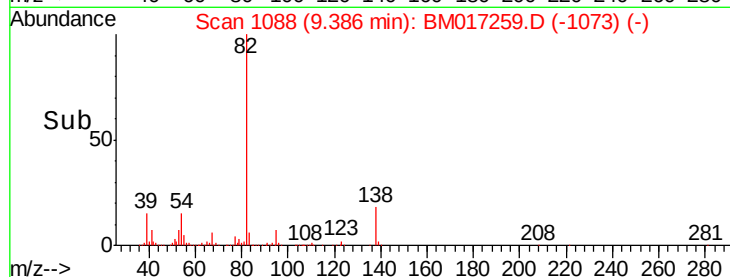
138 18.3 15.4 23.2



Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-1082) (-)

Ion 95.00 (94.70 to 95.70): BM017163.D (-1082) (-)

Ion 138.00 (137.70 to 138.70): BM017163.D (-1082) (-)



#26

2-Nitrophenol

Concen: 52.424 ng

RT: 9.56 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

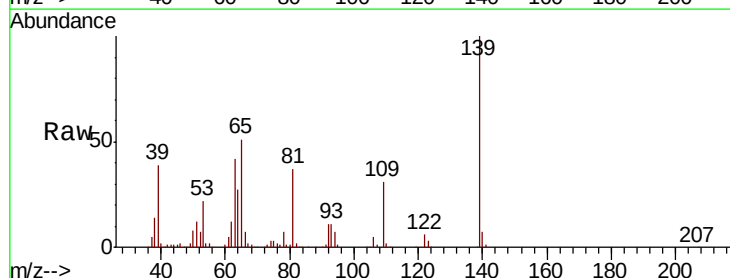
Tgt Ion: 139 Resp: 669173

Ion Ratio Lower Upper

139 100

109 31.0 23.2 34.8

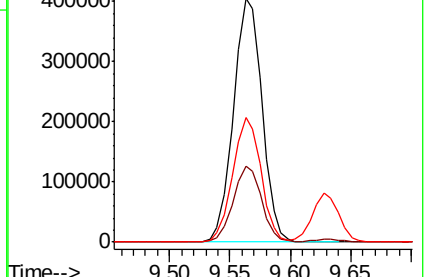
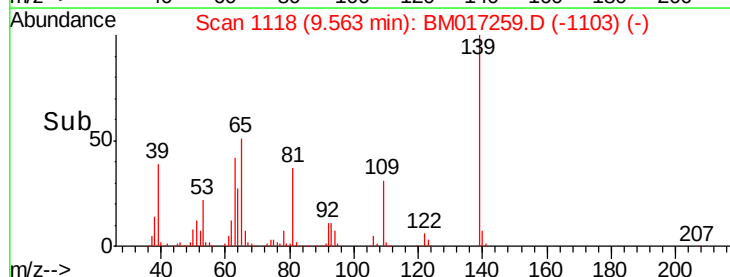
65 51.4 40.6 61.0

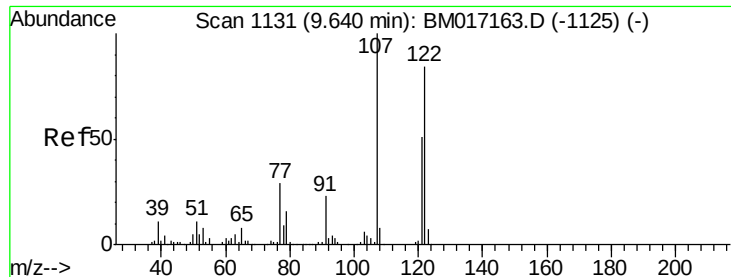


Abundance Ion 139.00 (138.70 to 139.70): BM017163.D (-1113) (-)

Ion 109.00 (108.70 to 109.70): BM017163.D (-1113) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-1113) (-)

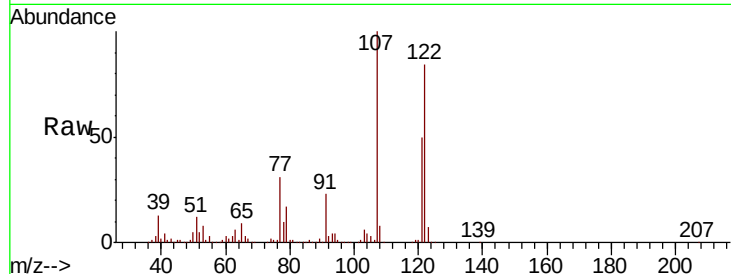




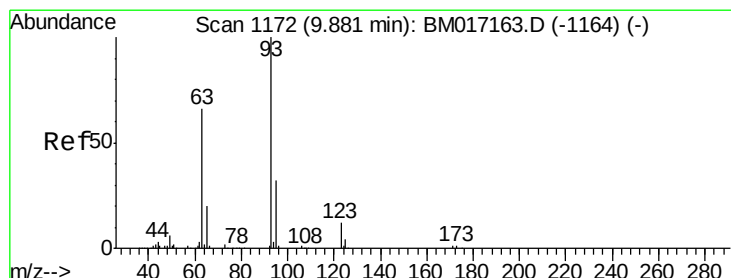
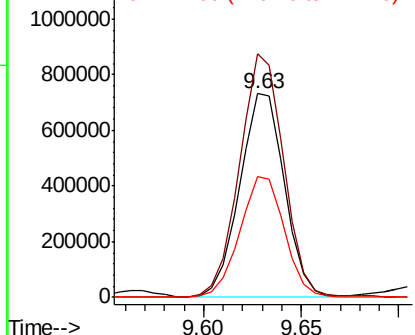
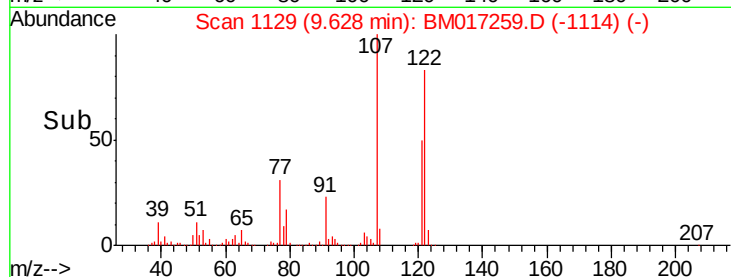
#27  
 2,4-Dimethylphenol  
 Concen: 61.800 ng  
 RT: 9.63 min Scan# 1129  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:122 Resp: 1150424  
 Ion Ratio Lower Upper  
 122 100  
 107 119.7 95.0 142.6  
 121 59.5 48.2 72.4

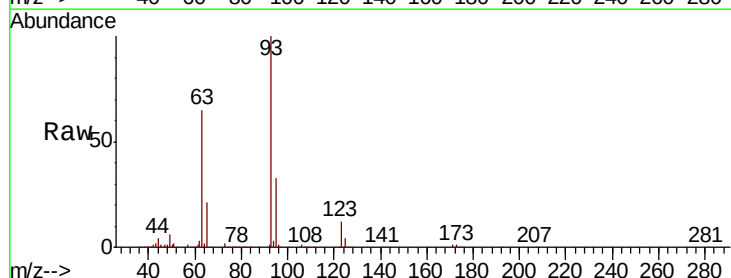


Abundance Ion 122.00 (121.70 to 122.70): E  
 1200000  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

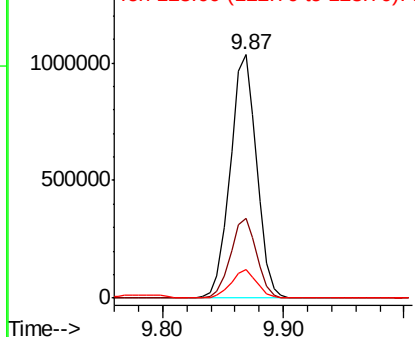
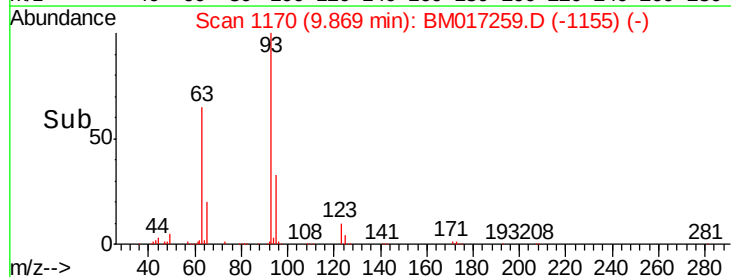


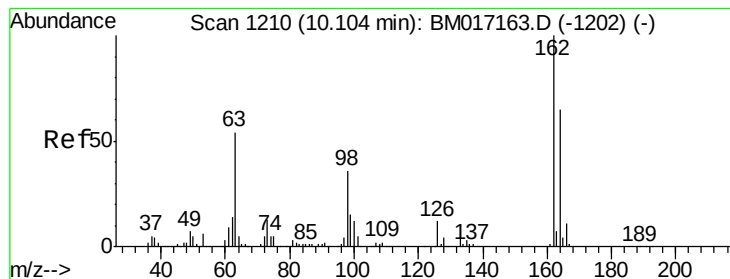
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 53.082 ng  
 RT: 9.87 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Tgt Ion: 93 Resp: 1572865  
 Ion Ratio Lower Upper  
 93 100  
 95 32.8 25.7 38.5  
 123 11.5 9.4 14.0



Abundance Ion 93.00 (92.70 to 93.70): BM0  
 1000000  
 Ion 95.00 (94.70 to 95.70): BM0  
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 55.203 ng

RT: 10.09 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

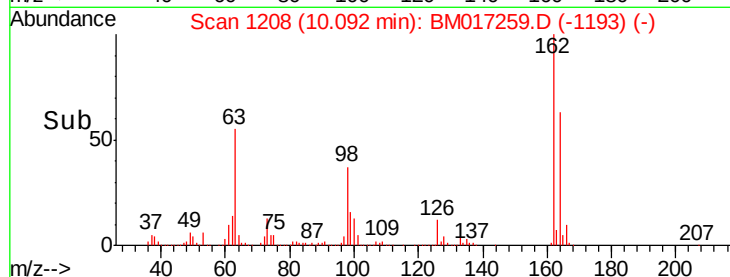
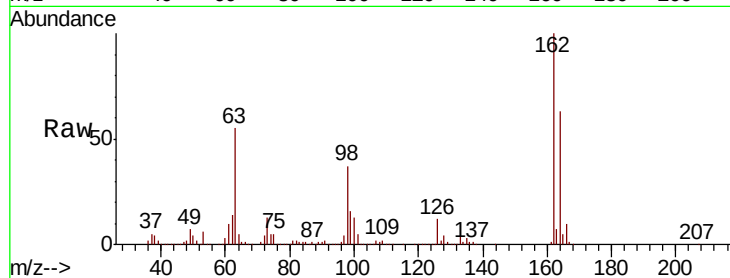
Tot Ion:162 Resp: 1193120

Ion Ratio Lower Upper

162 100

164 63.3 44.9 84.9

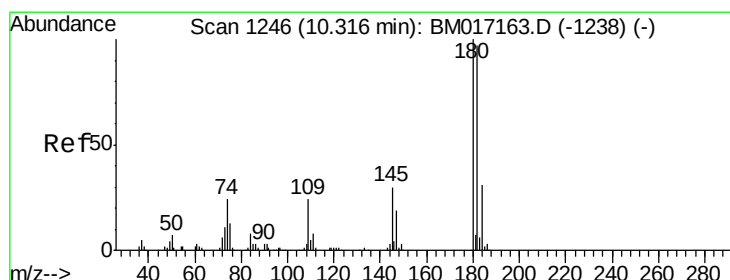
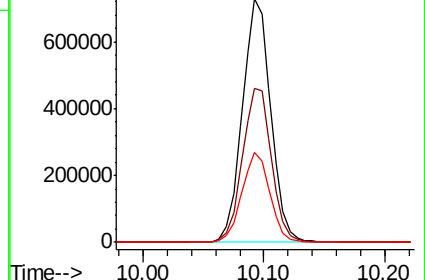
98 36.8 15.8 55.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 47.381 ng

RT: 10.30 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

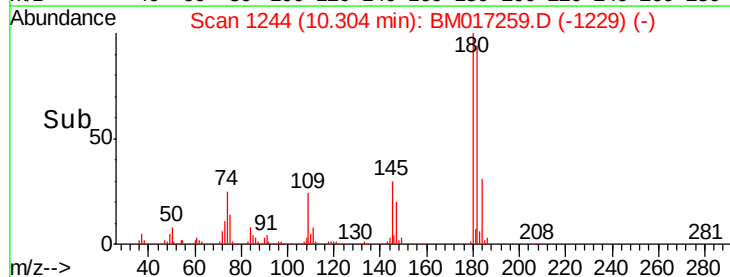
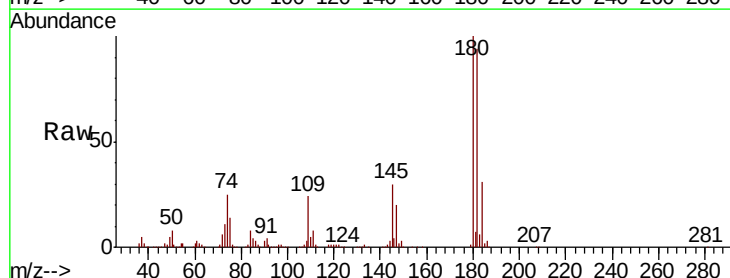
Tgt Ion:180 Resp: 1228494

Ion Ratio Lower Upper

180 100

182 94.0 77.5 116.3

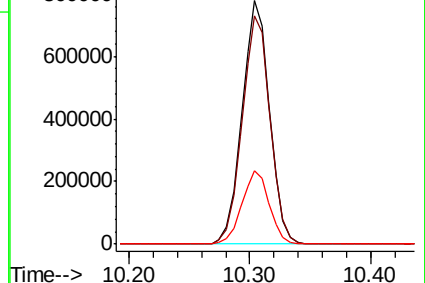
145 30.4 24.0 36.0

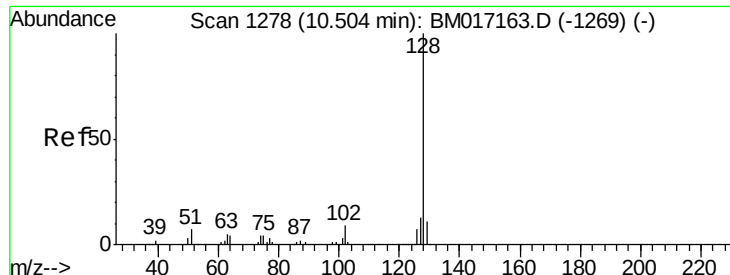


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

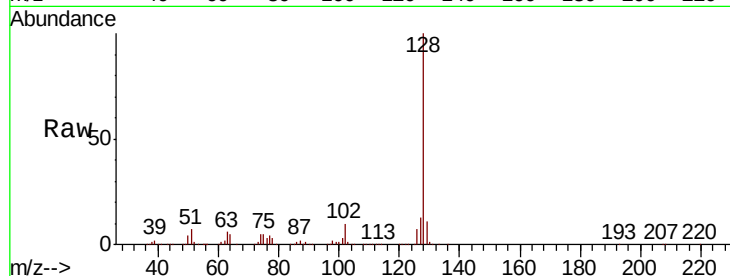




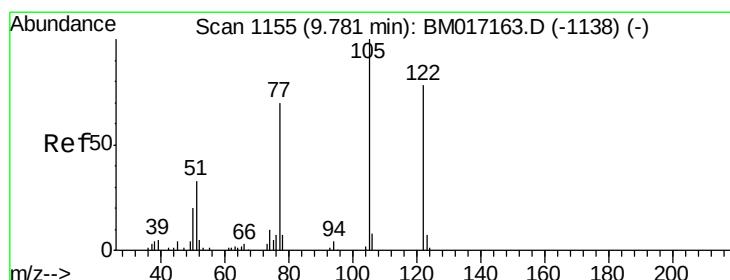
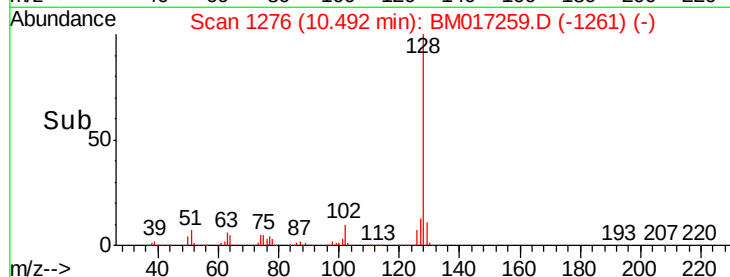
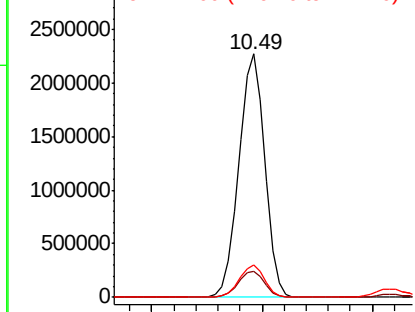
#31  
Naphthalene  
Concen: 51.393 ng  
RT: 10.49 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:128 Resp: 3755267  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.5 12.7  
127 13.1 10.3 15.5

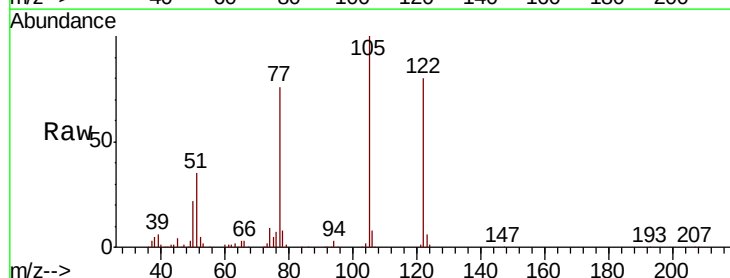


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

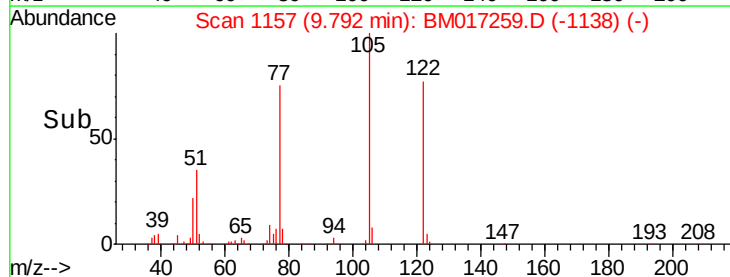
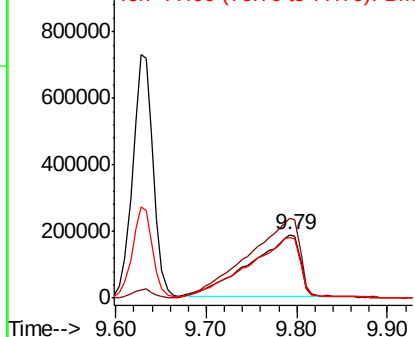


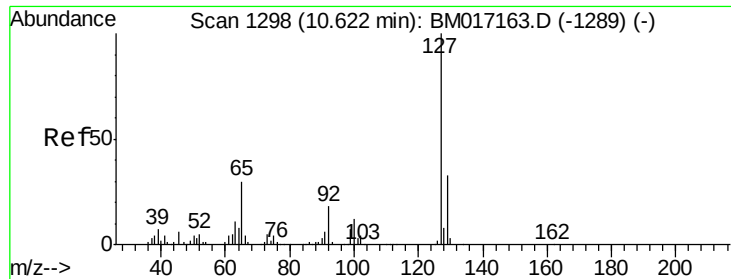
#32  
Benzoic acid  
Concen: 50.929 ng  
RT: 9.79 min Scan# 1157  
Delta R.T. 0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:122 Resp: 707373  
Ion Ratio Lower Upper  
122 100  
105 125.6 102.0 142.0  
77 95.6 67.7 107.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BM

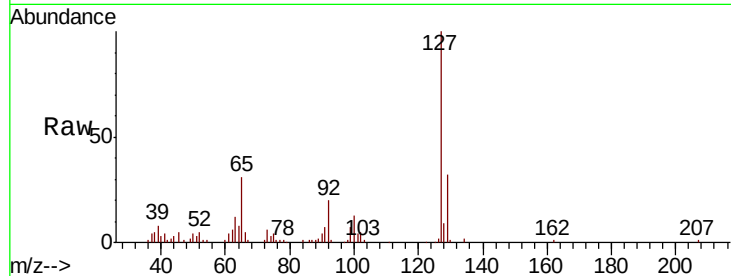




#33  
4-Chloroaniline  
Concen: 5.314 ng  
RT: 10.62 min Scan# 1297  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 167704 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 26.2  | 39.4   |
| 65       | 31.3  | 23.7  | 35.5   |
| 92       | 20.3  | 14.3  | 21.5   |



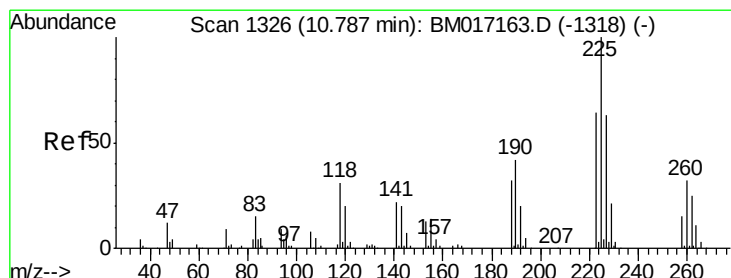
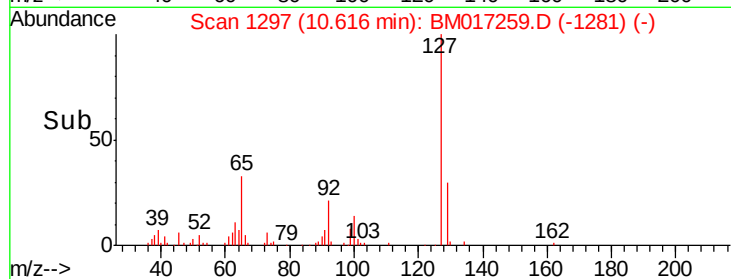
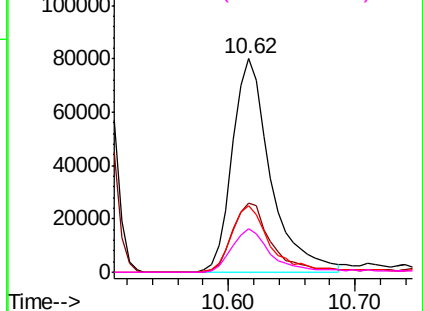
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

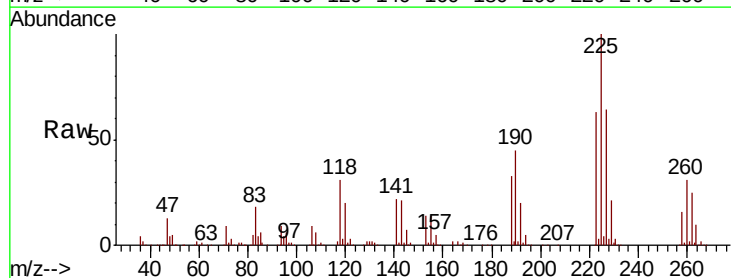
Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0



#34  
Hexachlorobutadiene  
Concen: 44.987 ng  
RT: 10.77 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 739063 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 51.0  | 76.6   |
| 227      | 63.8  | 50.8  | 76.2   |

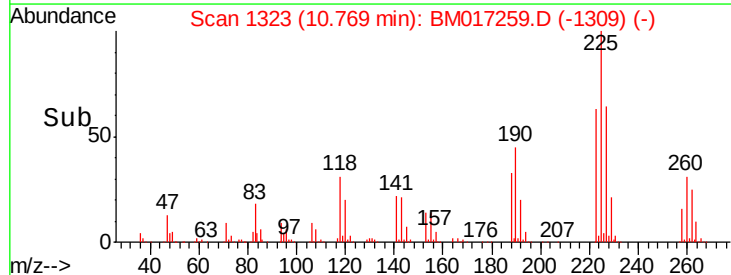
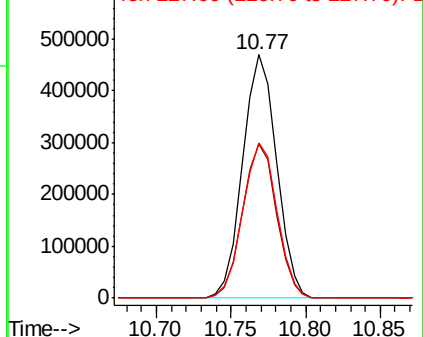


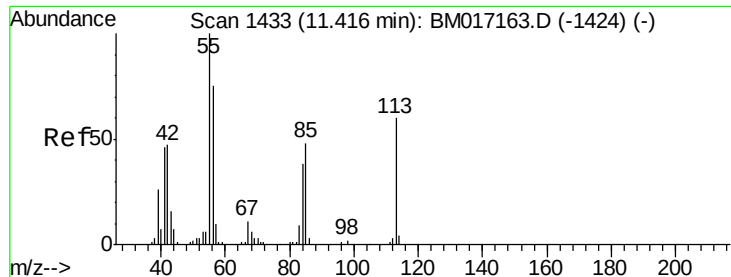
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 13.637 ng

RT: 11.41 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampled :

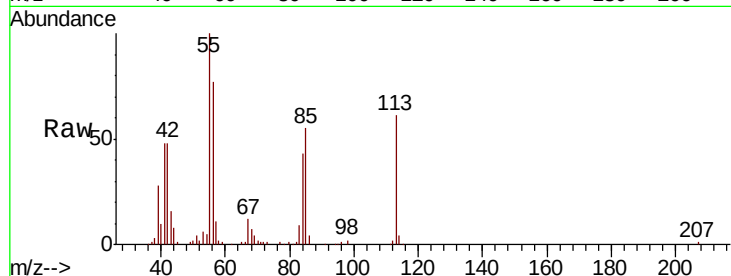
Tot Ion:113 Resp: 107415

Ion Ratio Lower Upper

113 100

55 163.4 147.0 187.0

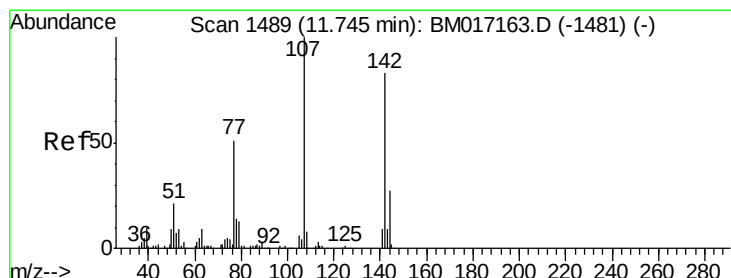
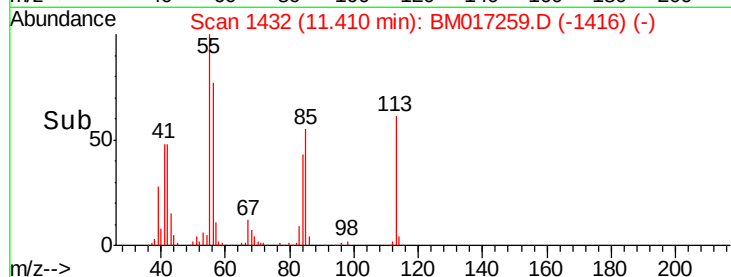
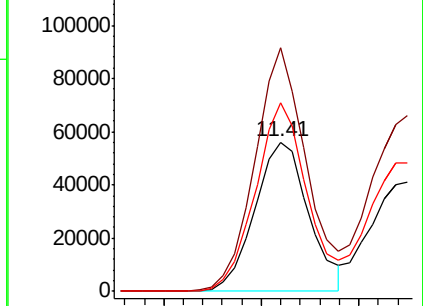
56 126.3 104.5 144.5



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 52.814 ng

RT: 11.74 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

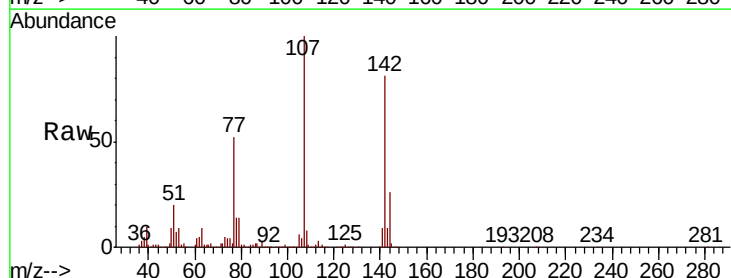
Tgt Ion:107 Resp: 1286700

Ion Ratio Lower Upper

107 100

144 26.4 21.6 32.4

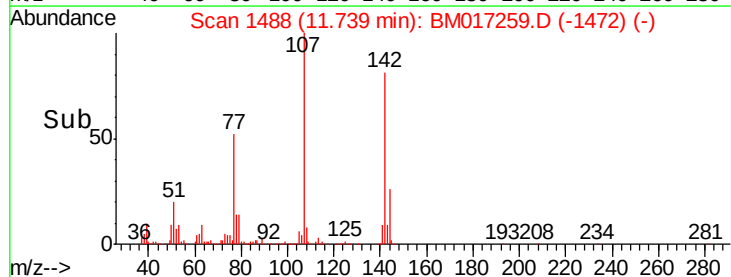
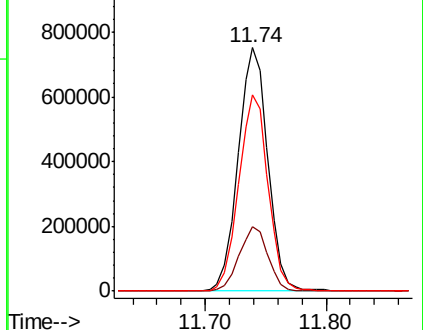
142 80.9 66.0 99.0

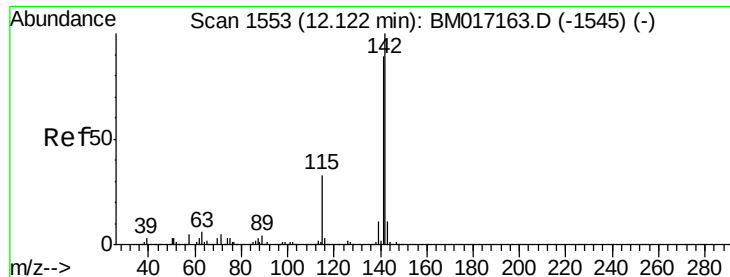


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

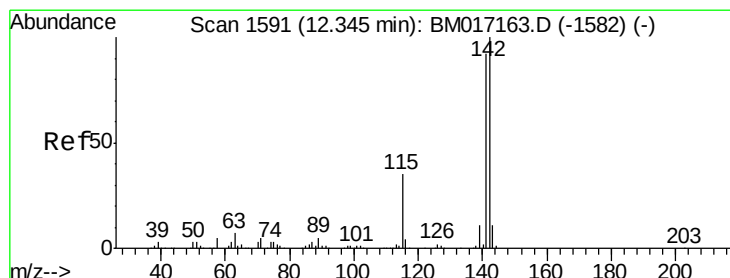
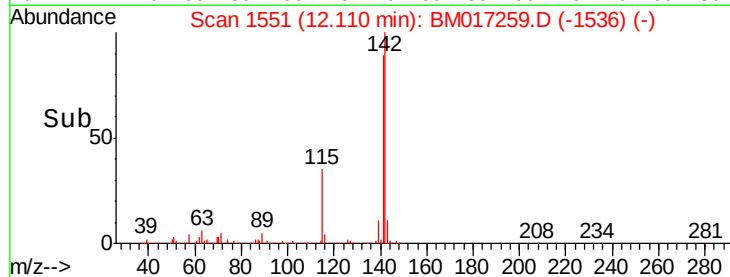
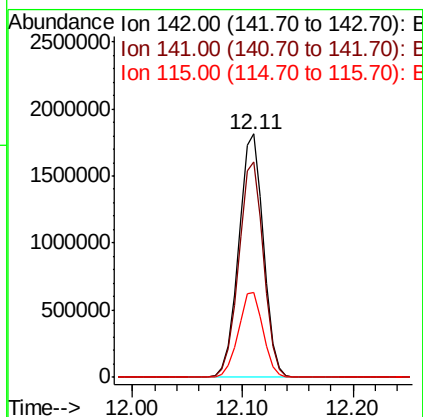
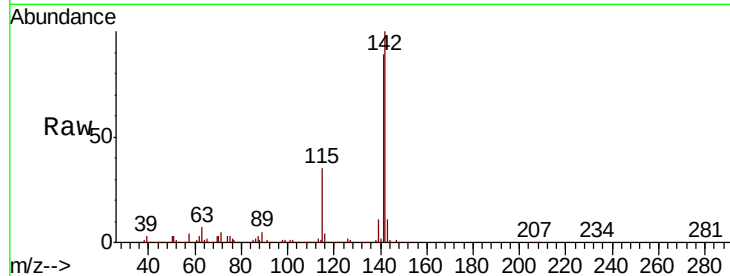




#37  
2-Methylnaphthalene  
Concen: 56.866 ng  
RT: 12.11 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

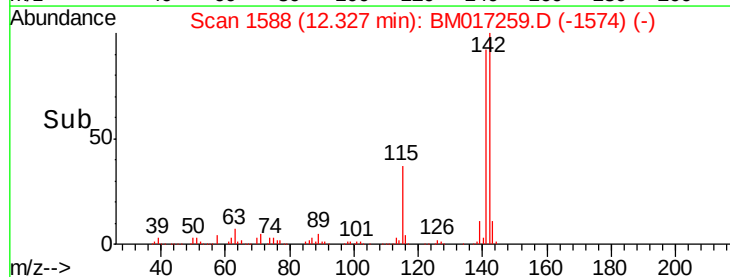
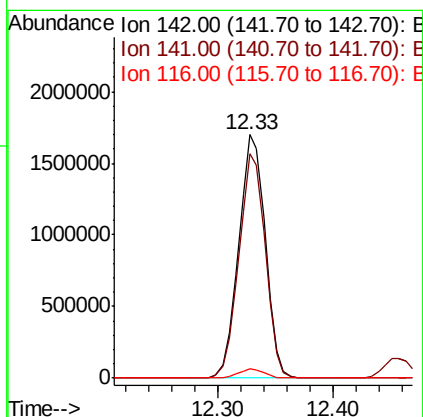
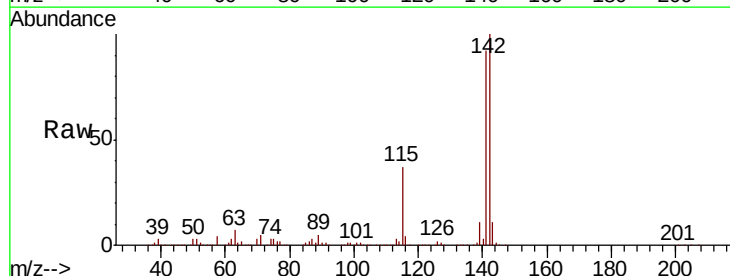
Instrument :  
BNA\_M  
ClientSampled :

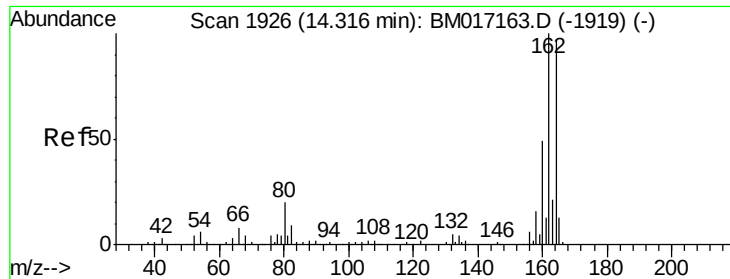
Tot Ion:142 Resp: 2843427  
Ion Ratio Lower Upper  
142 100  
141 88.7 70.9 106.3  
115 34.7 26.4 39.6



#38  
1-Methylnaphthalene  
Concen: 55.511 ng  
RT: 12.33 min Scan# 1588  
Delta R.T. -0.02 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:142 Resp: 2701515  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.8 110.6  
116 4.1 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

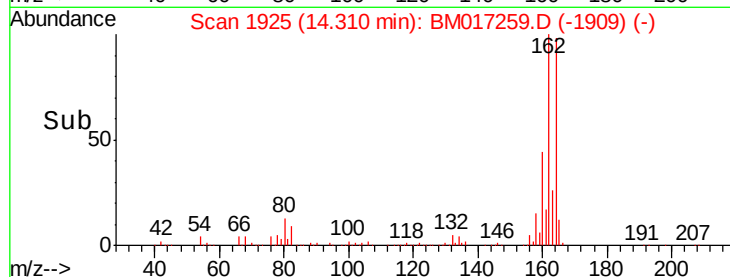
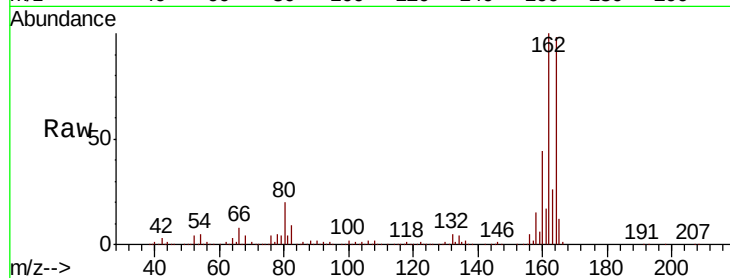
Tot Ion:164 Resp: 873804

Ion Ratio Lower Upper

164 100

162 102.5 82.1 123.1

160 45.4 40.2 60.2

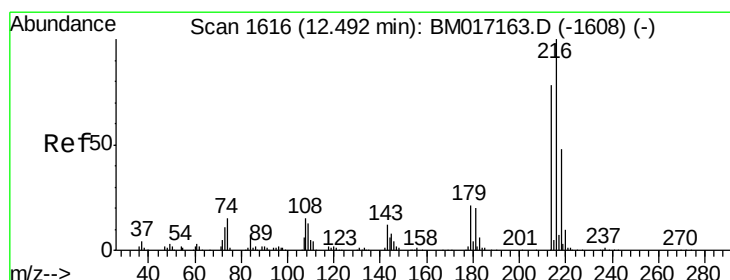
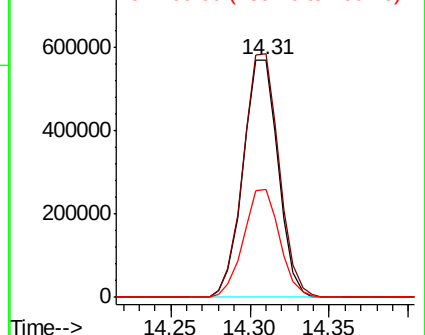


Abundance

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.635 ng

RT: 12.48 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:216 Resp: 1465854

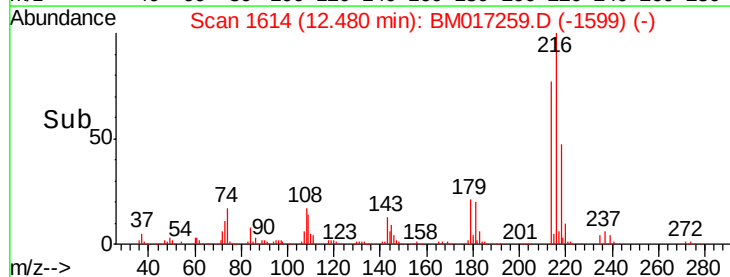
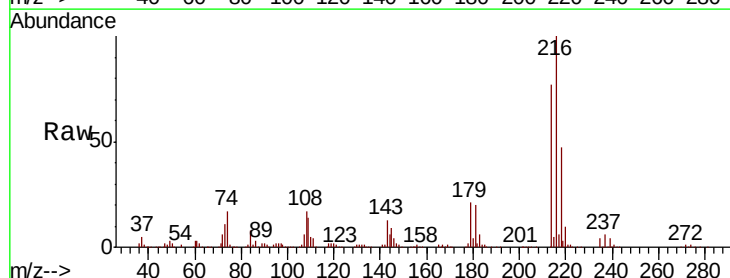
Ion Ratio Lower Upper

216 100

214 77.5 62.6 93.8

179 20.9 16.6 24.8

108 19.8 13.5 20.3



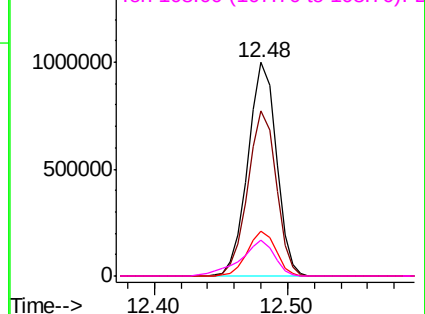
Abundance

Ion 216.00 (215.70 to 216.70): E

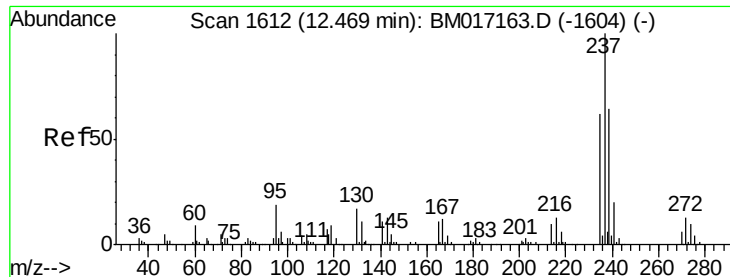
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



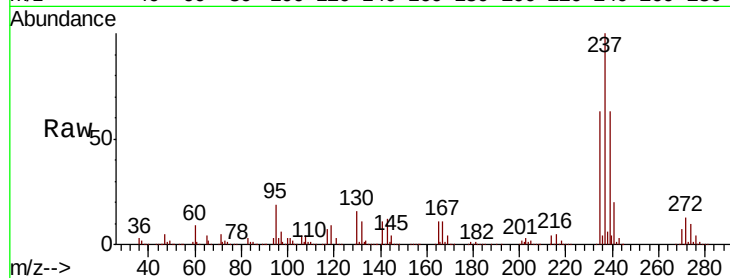




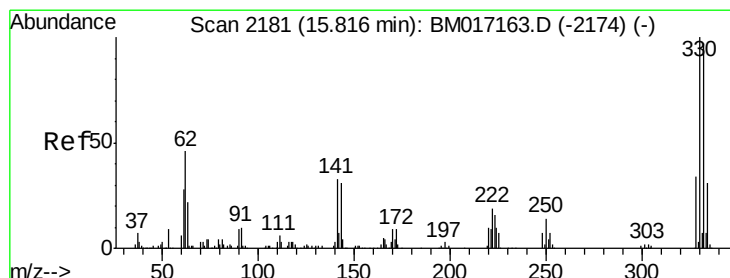
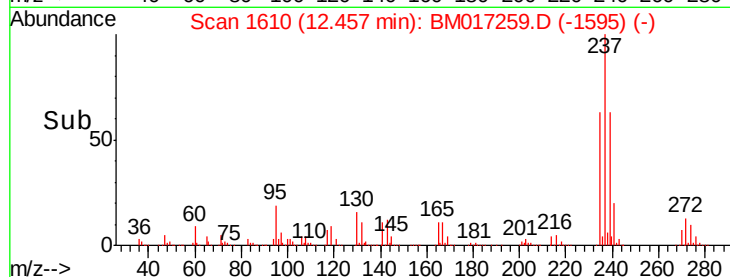
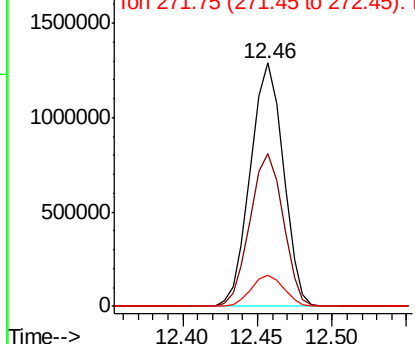
#41  
Hexachlorocyclopentadiene  
Concen: 132.819 ng  
RT: 12.46 min Scan# 1610  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:237 Resp: 1975867  
Ion Ratio Lower Upper  
237 100  
235 62.9 42.4 82.4  
272 12.7 0.0 33.0

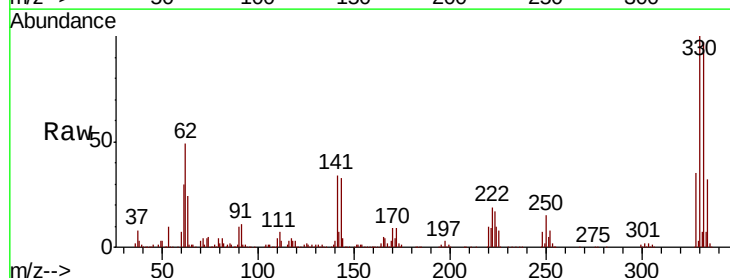


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

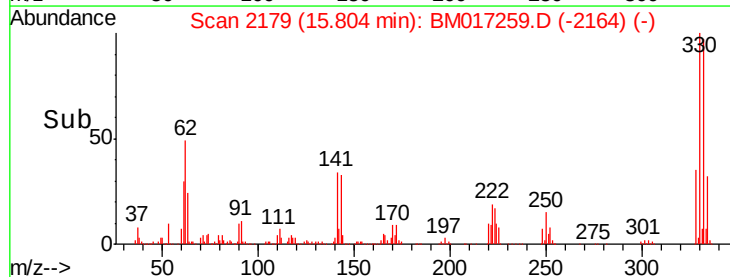
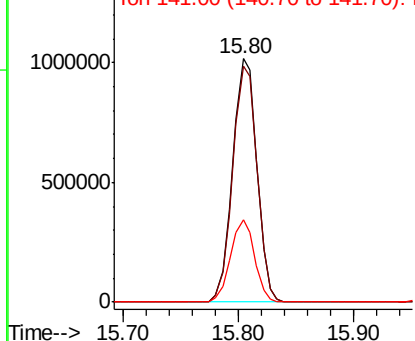


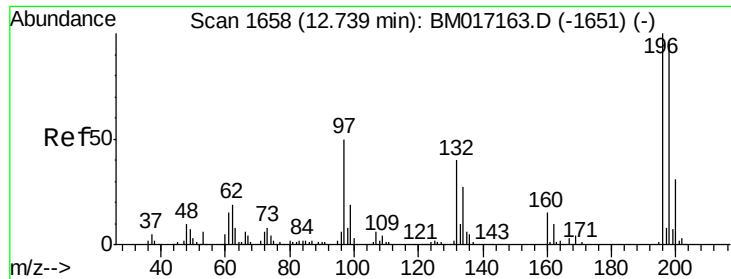
#42  
2,4,6-Tribromophenol  
Concen: 125.303 ng  
RT: 15.80 min Scan# 2179  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:330 Resp: 1480699  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.3 115.9  
141 33.3 27.4 41.0



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

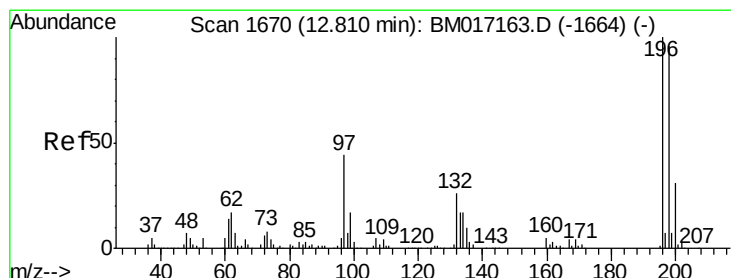
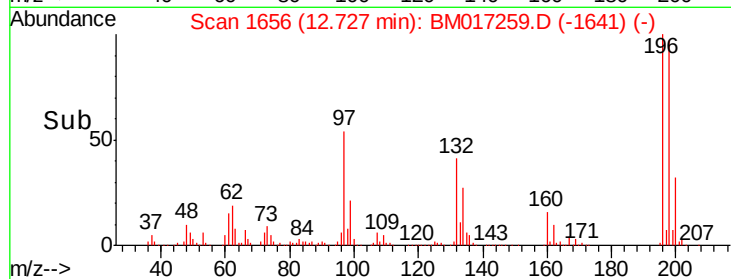
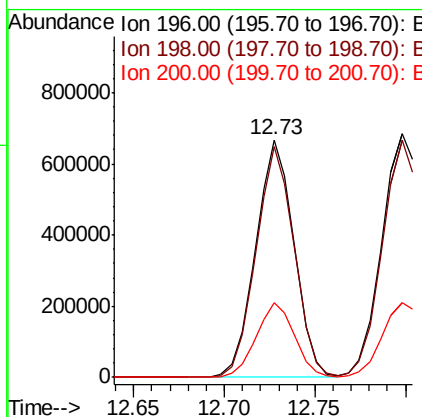
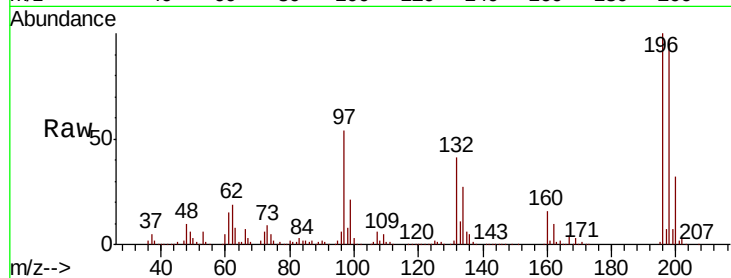




#43  
 2,4,6-Trichlorophenol  
 Concen: 54.950 ng  
 RT: 12.73 min Scan# 1656  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

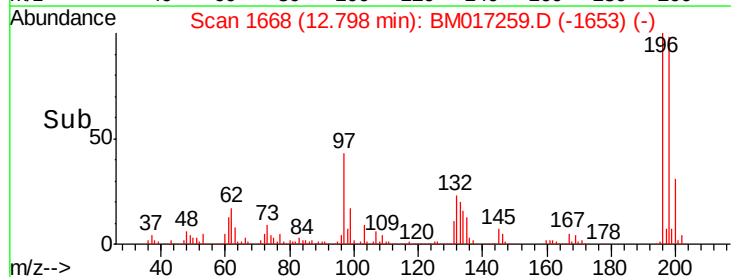
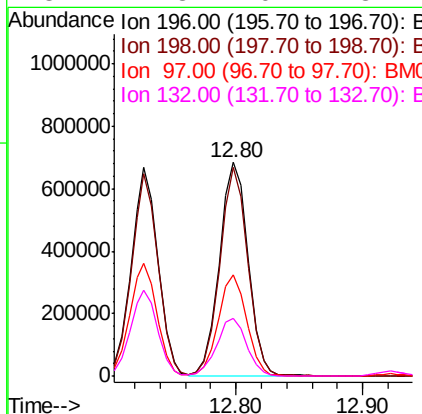
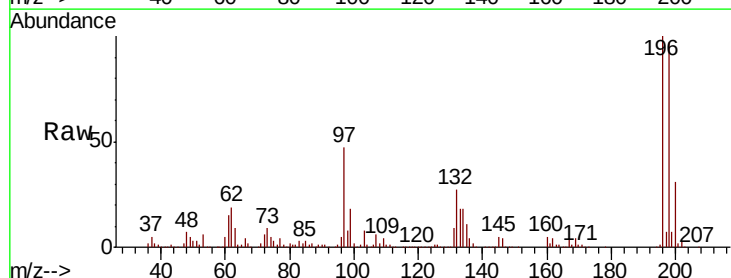
Instrument :  
 BNA\_M  
 ClientSampleId :

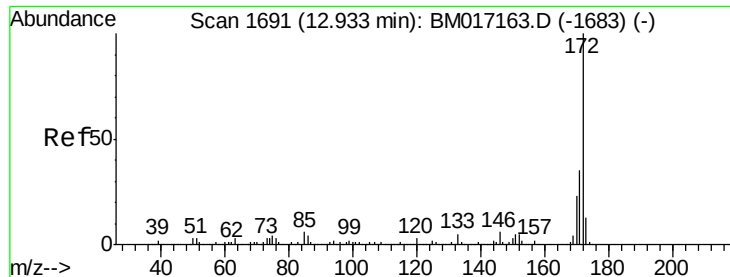
Tot Ion:196 Resp: 981592  
 Ion Ratio Lower Upper  
 196 100  
 198 97.1 77.1 115.7  
 200 31.5 25.0 37.4



#44  
 2,4,5-Trichlorophenol  
 Concen: 55.643 ng  
 RT: 12.80 min Scan# 1668  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Tgt Ion:196 Resp: 1065880  
 Ion Ratio Lower Upper  
 196 100  
 198 97.5 76.6 115.0  
 97 47.5 35.5 53.3  
 132 27.3 20.7 31.1

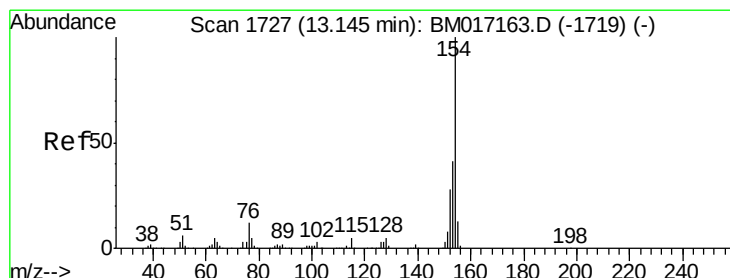
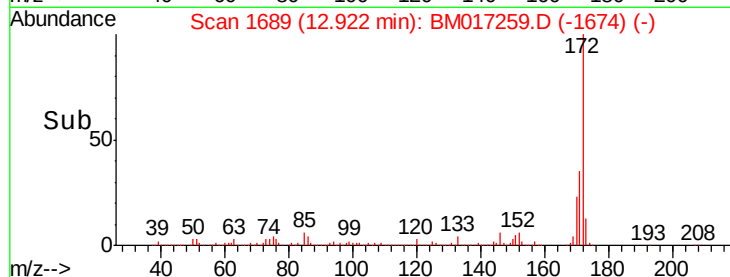
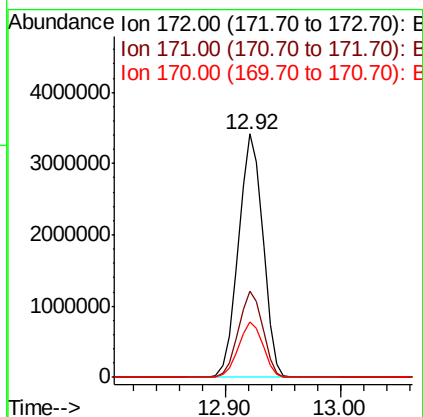
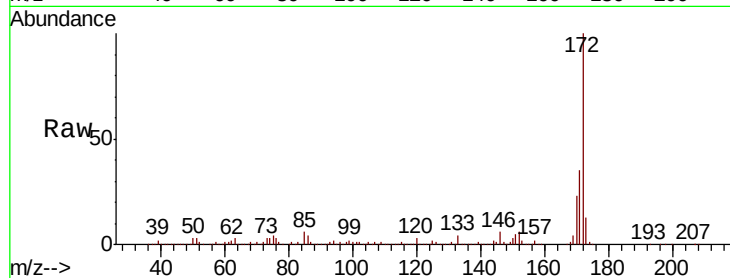




#45  
2-Fluorobiphenyl  
Concen: 76.374 ng  
RT: 12.92 min Scan# 1689  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

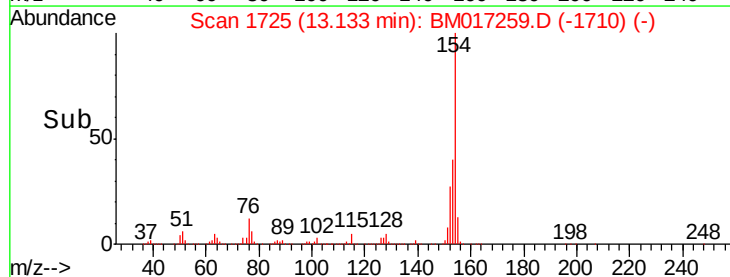
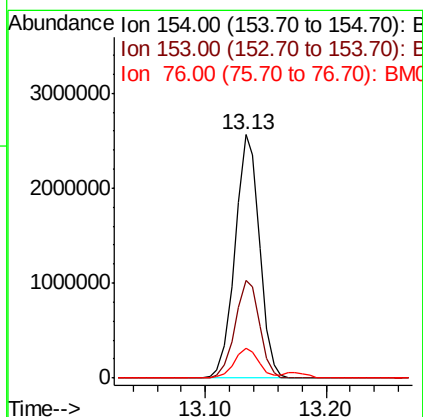
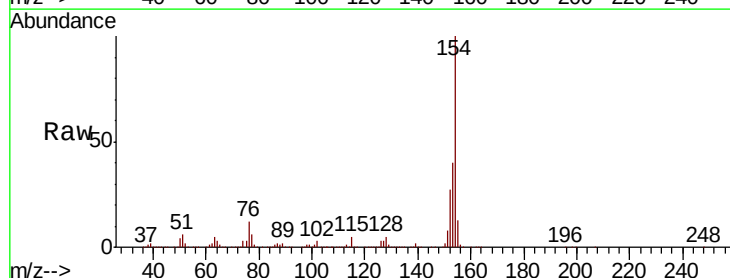
Instrument :  
BNA\_M  
ClientSampled :

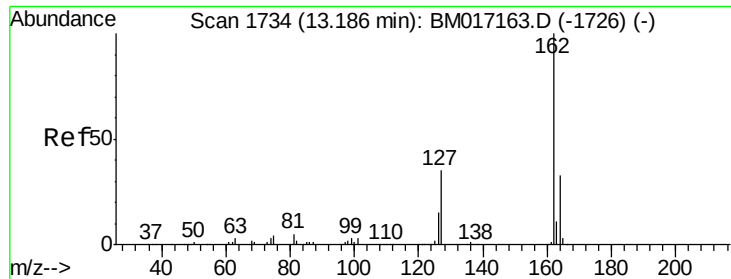
Tot Ion:172 Resp: 5015696  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.3 42.5  
170 23.0 18.3 27.5



#46  
1,1'-Biphenyl  
Concen: 45.916 ng  
RT: 13.13 min Scan# 1725  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:154 Resp: 3610495  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.5 60.5  
76 12.4 0.0 31.8

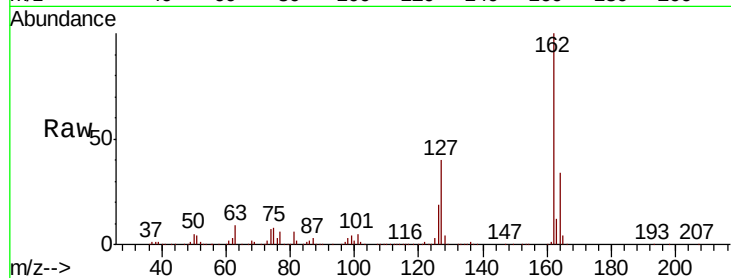




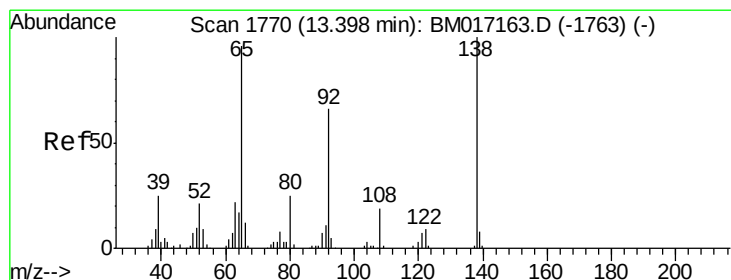
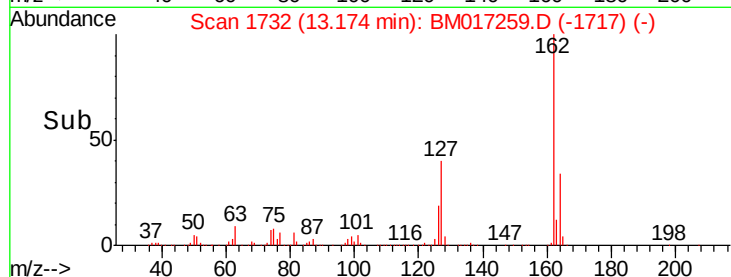
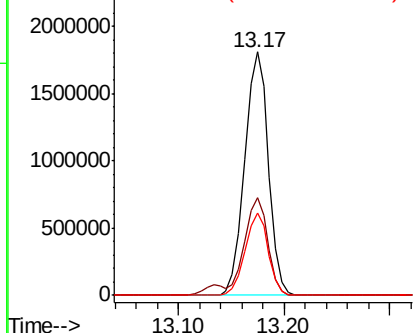
#47  
 2-Chloronaphthalene  
 Concen: 48.503 ng  
 RT: 13.17 min Scan# 1732  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:162 Resp: 2805826  
 Ion Ratio Lower Upper  
 162 100  
 127 39.9 31.0 46.4  
 164 33.8 26.6 39.8

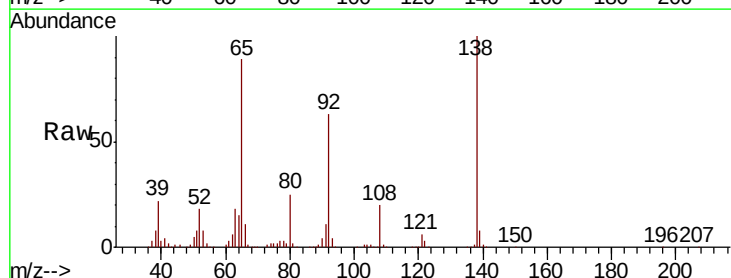


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

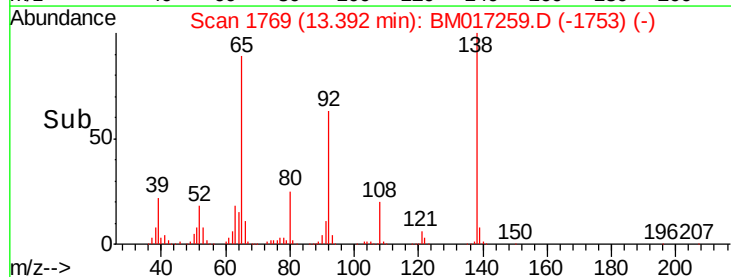
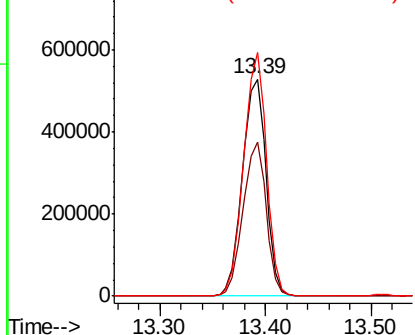


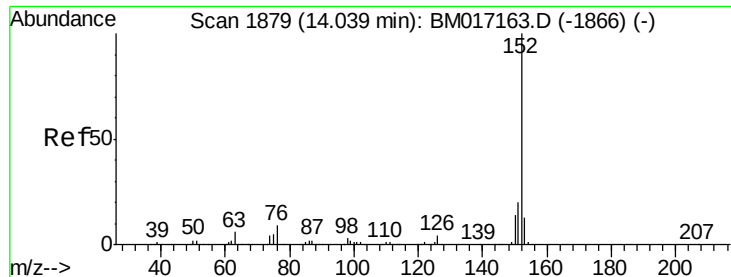
#48  
 2-Nitroaniline  
 Concen: 50.149 ng  
 RT: 13.39 min Scan# 1769  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Tgt Ion: 65 Resp: 824302  
 Ion Ratio Lower Upper  
 65 100  
 92 71.0 54.9 82.3  
 138 112.1 83.7 125.5



Abundance Ion 65.00 (64.70 to 65.70): BM0  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 54.572 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

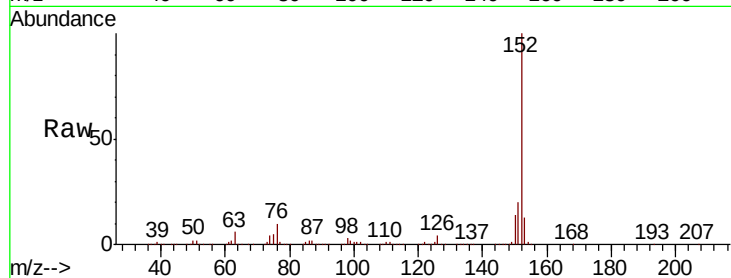
Tot Ion:152 Resp: 4575868

Ion Ratio Lower Upper

152 100

151 19.9 16.0 24.0

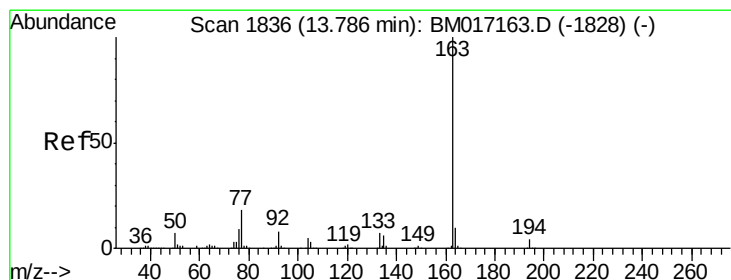
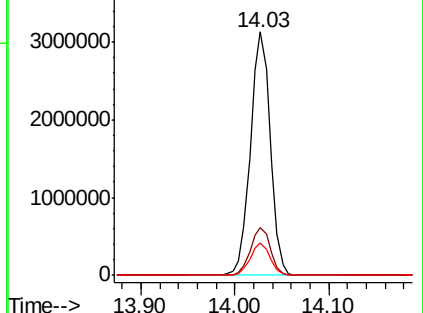
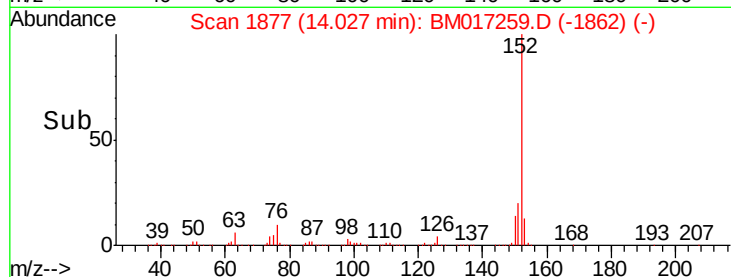
153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 52.067 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

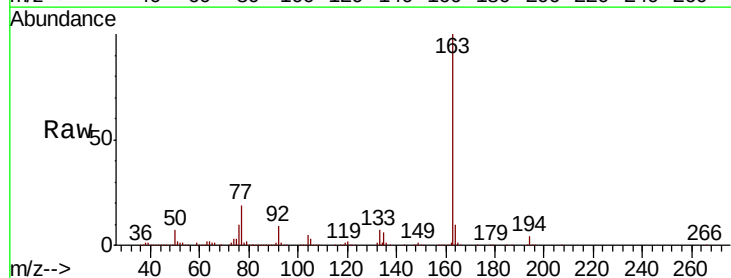
Tgt Ion:163 Resp: 3510072

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

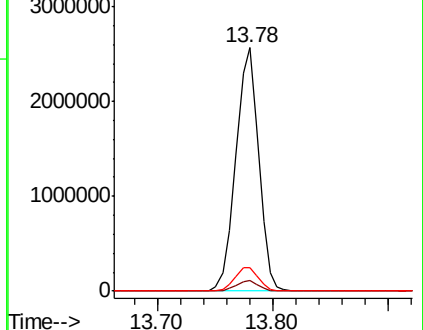
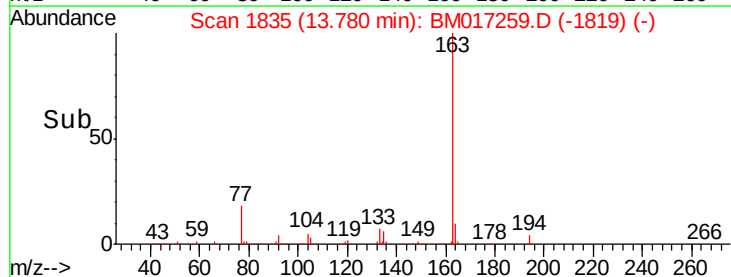
164 9.8 7.8 11.8

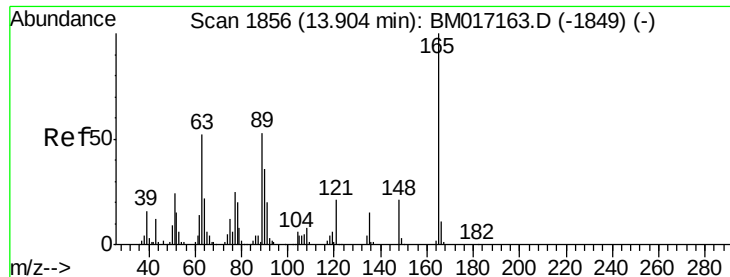


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

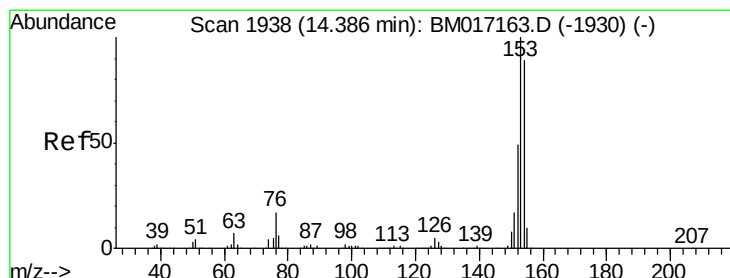
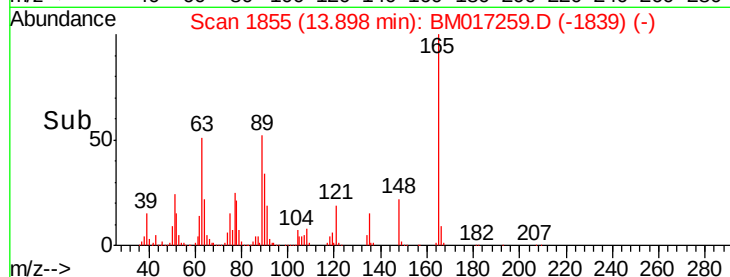
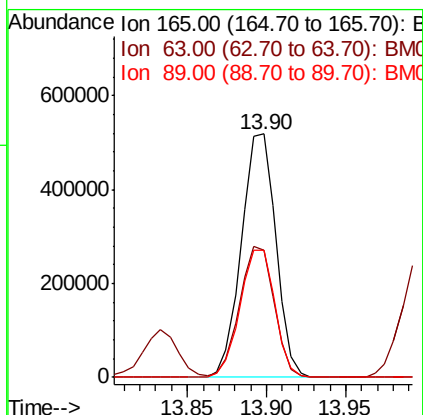
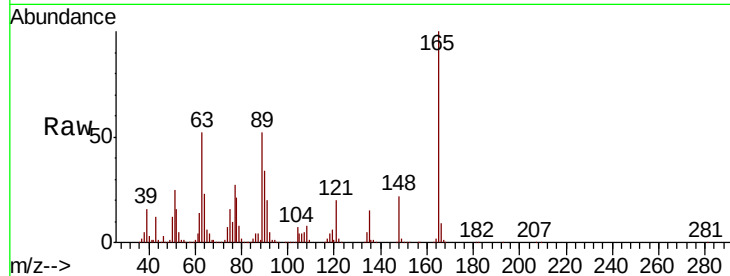




#51  
2,6-Dinitrotoluene  
Concen: 52.873 ng  
RT: 13.90 min Scan# 1855  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

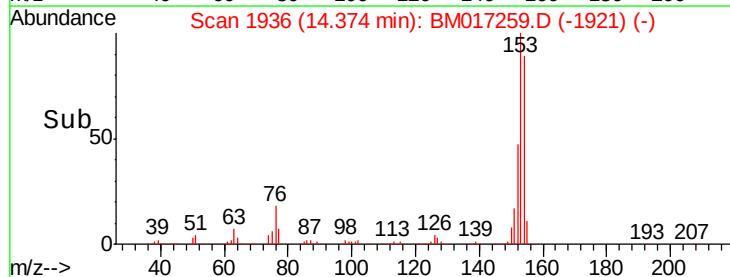
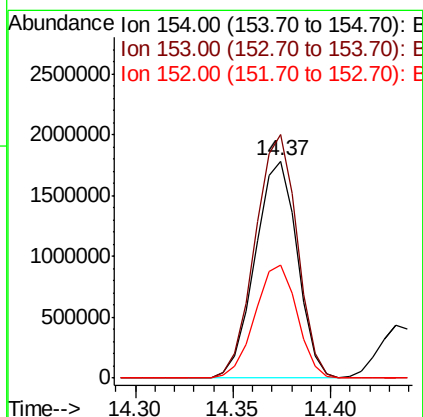
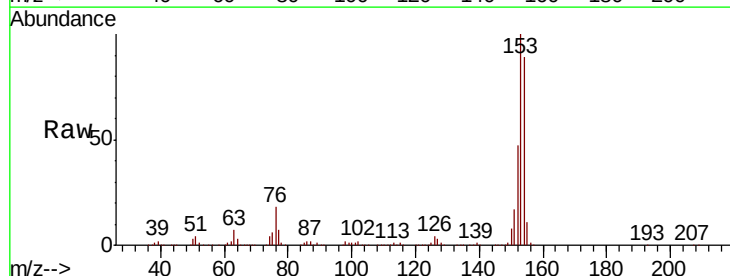
Instrument :  
BNA\_M  
ClientSampleId :

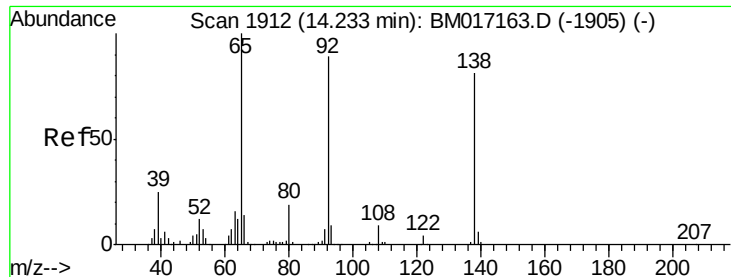
Tot Ion:165 Resp: 784513  
Ion Ratio Lower Upper  
165 100  
63 52.1 42.7 64.1  
89 52.5 42.1 63.1



#52  
Acenaphthene  
Concen: 50.639 ng  
RT: 14.37 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:154 Resp: 2666050  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.2 135.2  
152 52.2 44.2 66.4

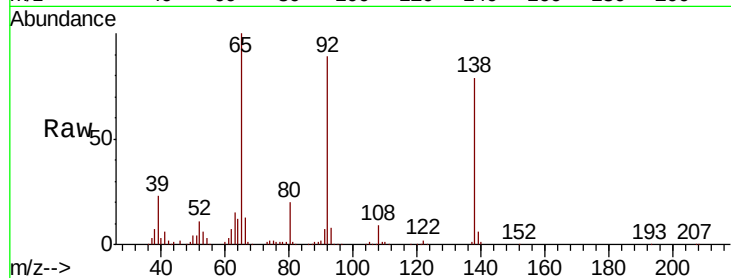




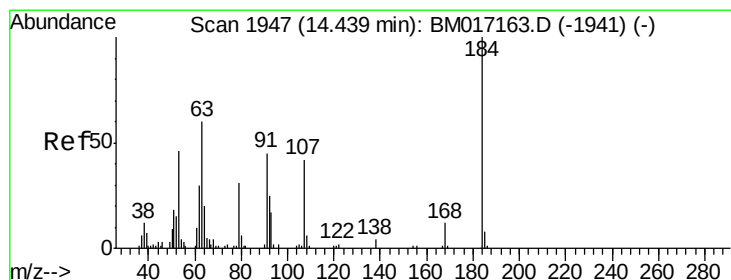
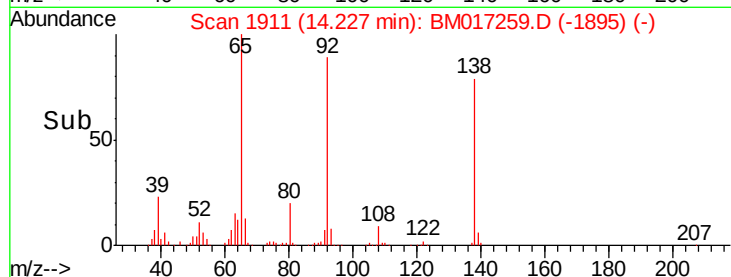
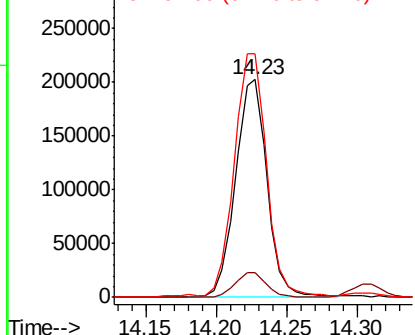
#53  
3-Nitroaniline  
Concen: 19.651 ng  
RT: 14.23 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:138 Resp: 315792  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.7 13.1  
92 111.8 87.9 131.9

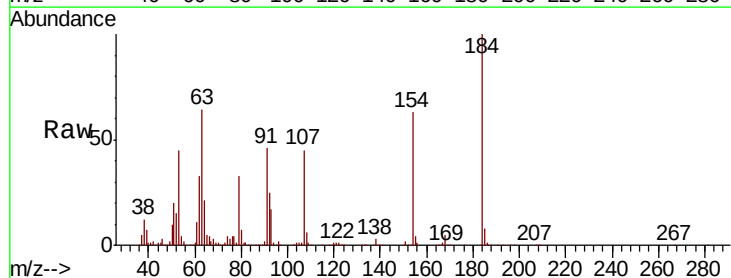


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BM

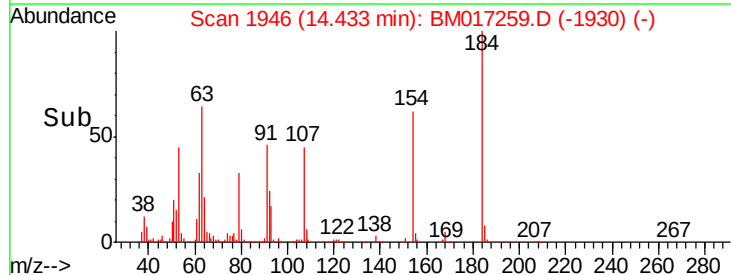
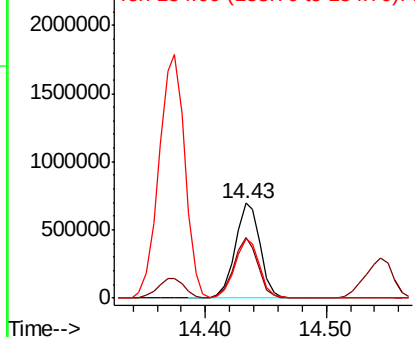


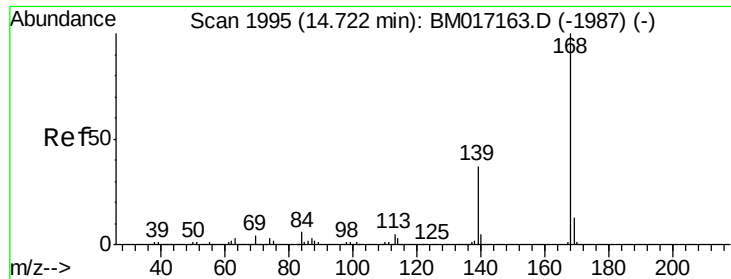
#54  
2,4-Dinitrophenol  
Concen: 111.047 ng  
RT: 14.43 min Scan# 1946  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:184 Resp: 997590  
Ion Ratio Lower Upper  
184 100  
63 63.9 51.2 76.8  
154 63.0 47.8 71.8



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 154.00 (153.70 to 154.70): E

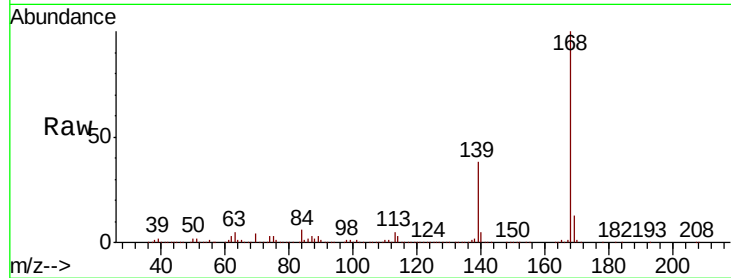




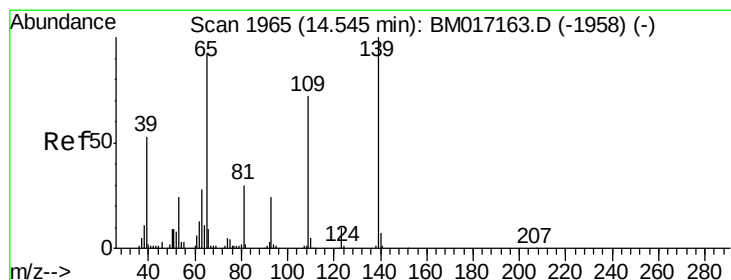
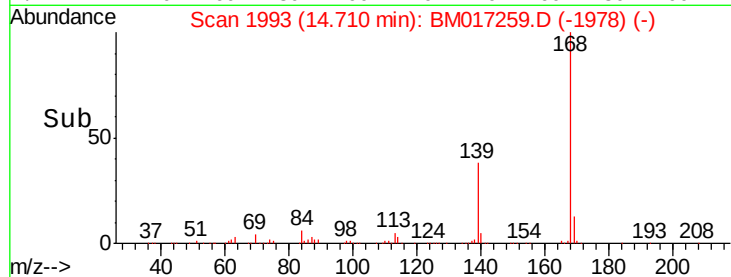
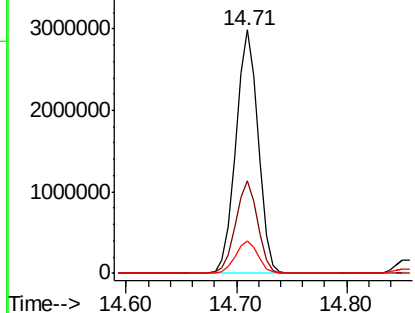
#55  
Dibenzofuran  
Concen: 48.393 ng  
RT: 14.71 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:168 Resp: 4236897  
Ion Ratio Lower Upper  
168 100  
139 38.0 29.3 43.9  
169 13.2 10.6 15.8

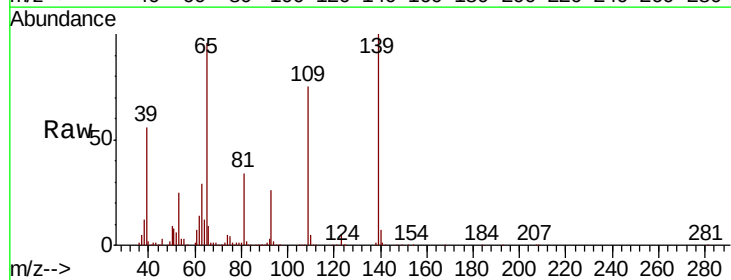


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

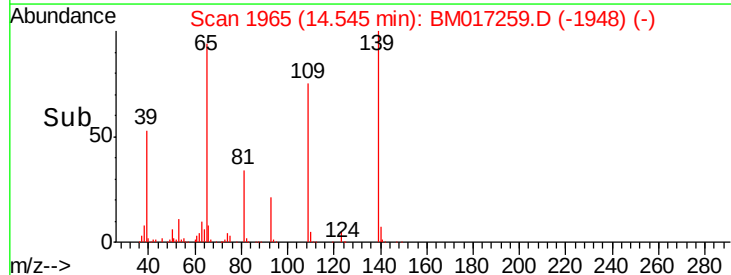
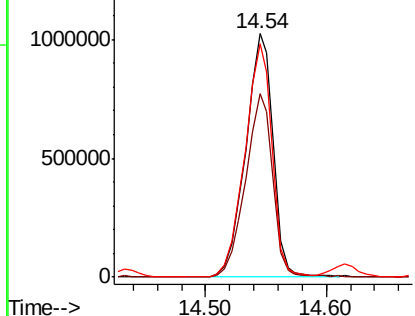


#56  
4-Nitrophenol  
Concen: 108.983 ng  
RT: 14.54 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

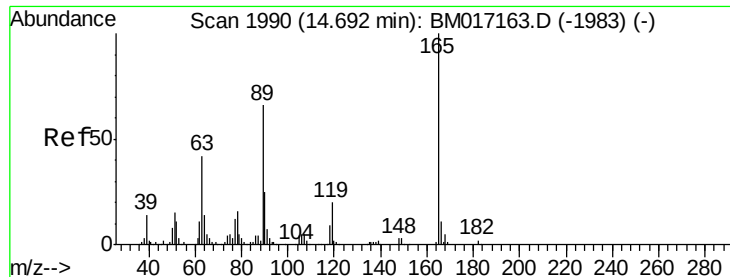
Tgt Ion:139 Resp: 1622758  
Ion Ratio Lower Upper  
139 100  
109 75.1 51.8 91.8  
65 95.8 72.1 112.1



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): E



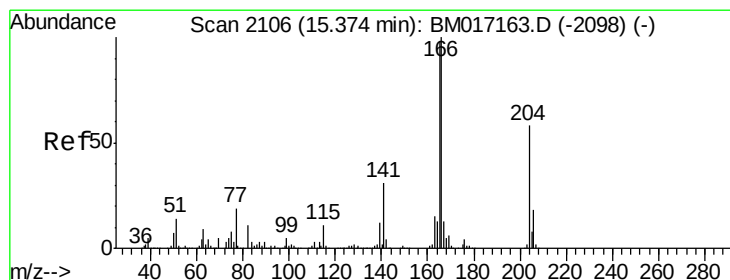
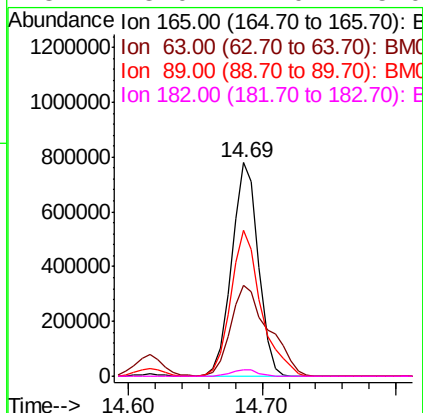
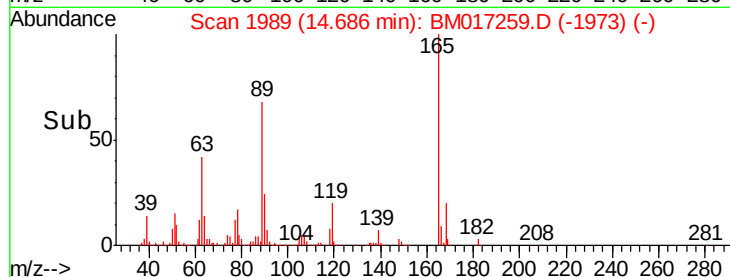
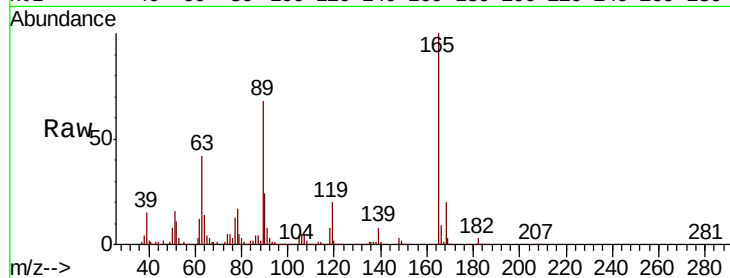




#57  
 2,4-Dinitrotoluene  
 Concen: 54.171 ng  
 RT: 14.69 min Scan# 1989  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

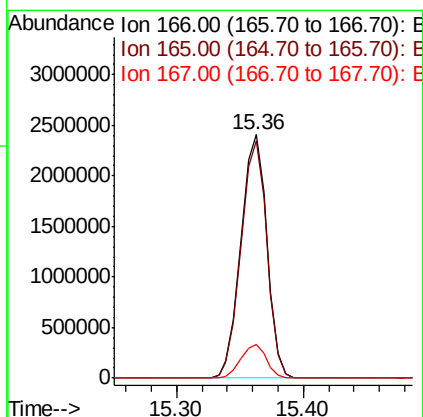
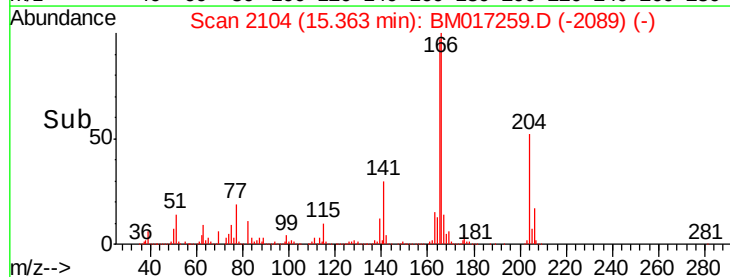
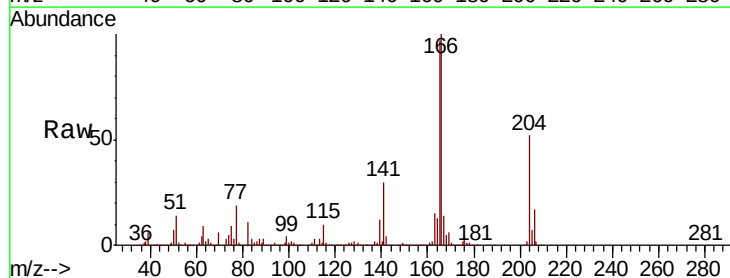
Instrument :  
 BNA\_M  
 ClientSampled :

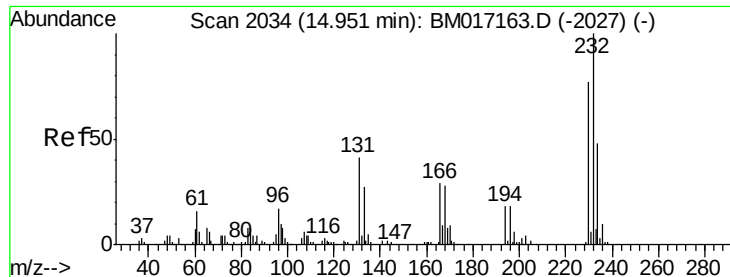
Tot Ion:165 Resp: 1080302  
 Ion Ratio Lower Upper  
 165 100  
 63 42.4 33.8 50.8  
 89 68.1 53.1 79.7  
 182 3.0 2.0 3.0#



#58  
 Fluorene  
 Concen: 52.723 ng  
 RT: 15.36 min Scan# 2104  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Tgt Ion:166 Resp: 3416627  
 Ion Ratio Lower Upper  
 166 100  
 165 97.3 78.1 117.1  
 167 13.6 10.6 16.0

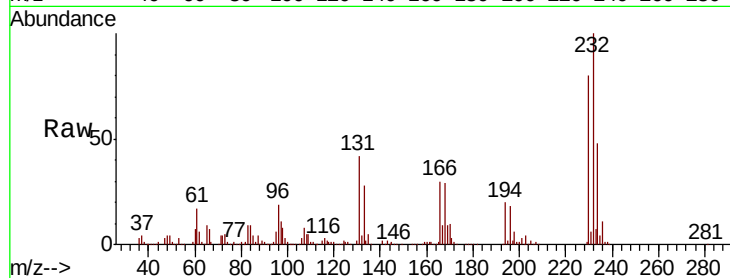




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 55.345 ng  
 RT: 14.94 min Scan# 2032  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 42.3  | 33.1  | 49.7  |
| 130     | 2.2   | 1.7   | 2.5   |
| 166     | 30.5  | 24.4  | 36.6  |



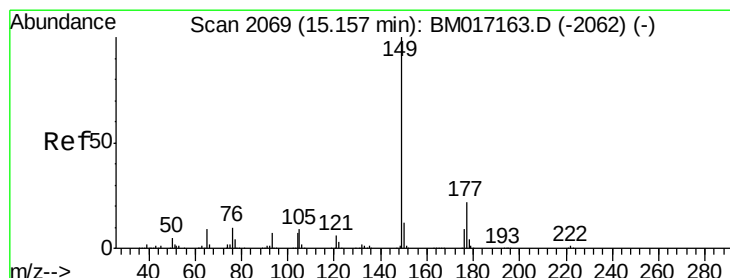
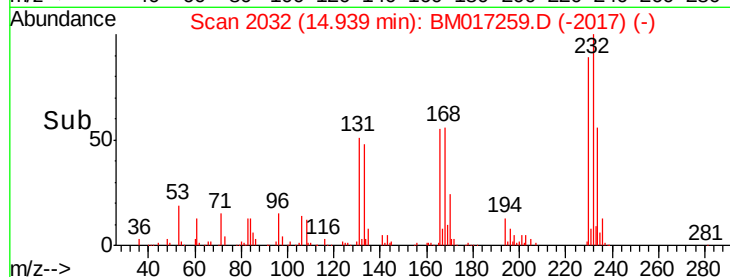
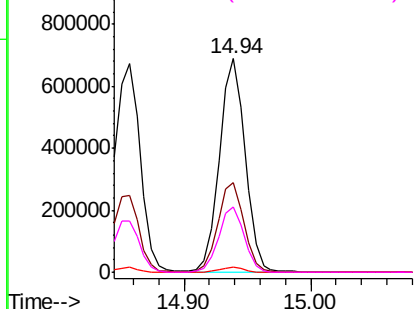
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

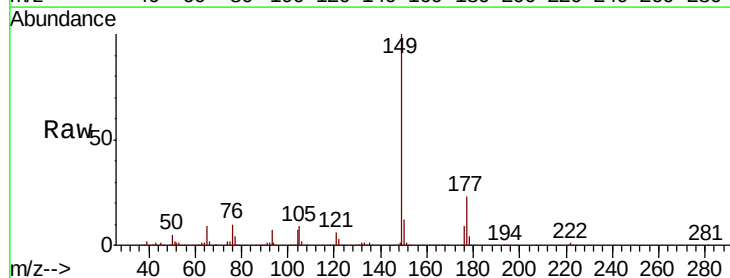
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 52.349 ng  
 RT: 15.15 min Scan# 2068  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.6  | 17.7  | 26.5  |
| 150     | 12.4  | 10.0  | 15.0  |

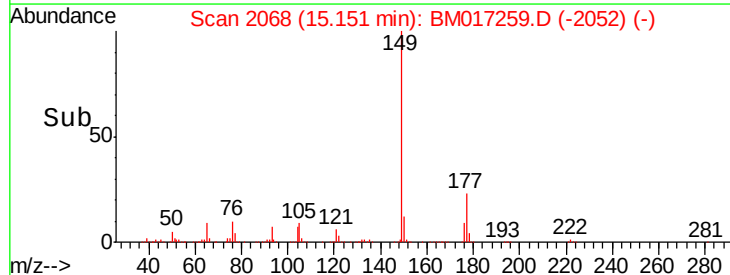
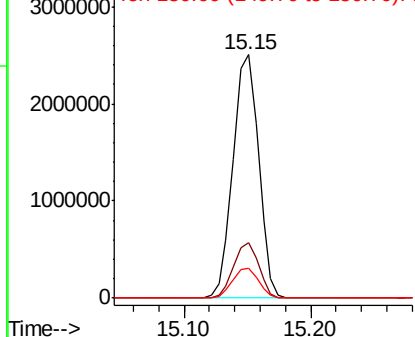


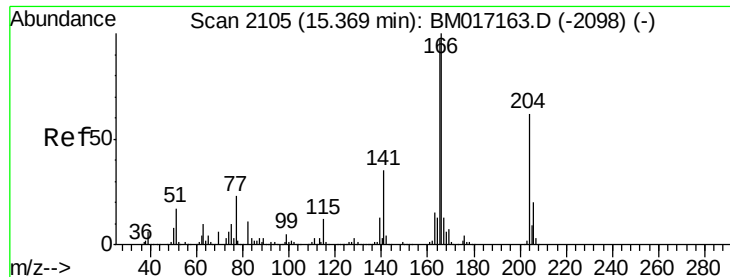
Abundance

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

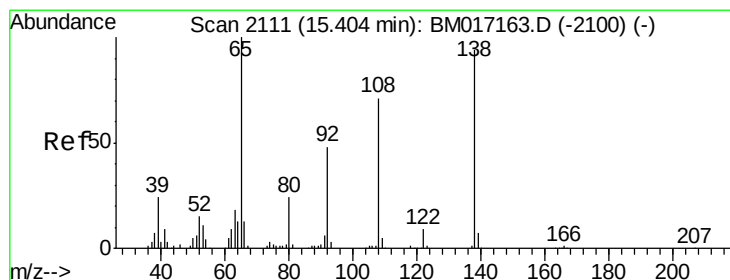
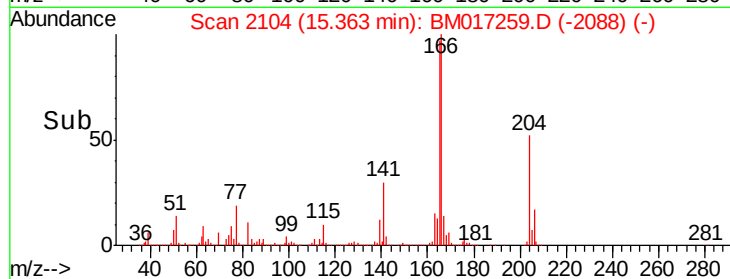
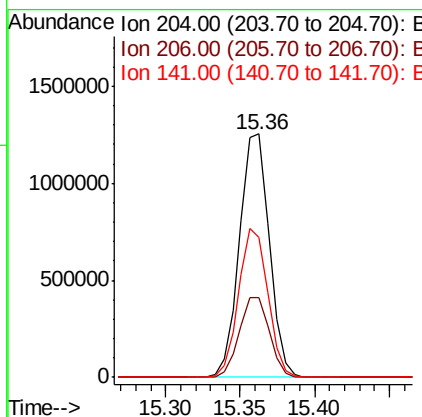
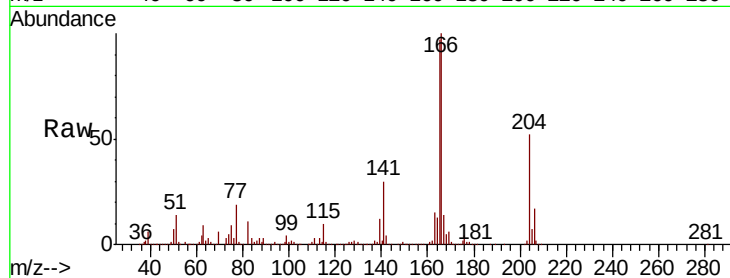




#61  
4-Chlorophenyl-phenylether  
Concen: 47.198 ng  
RT: 15.36 min Scan# 2104  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

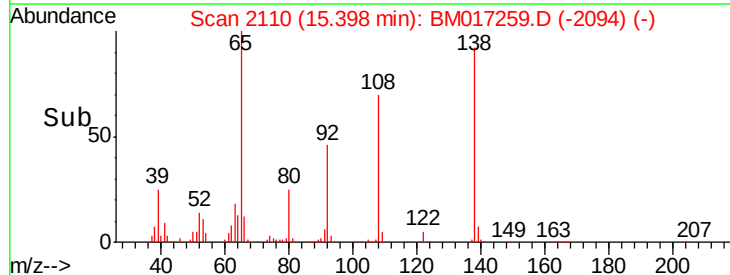
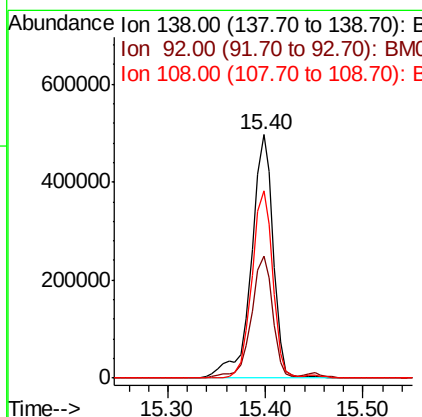
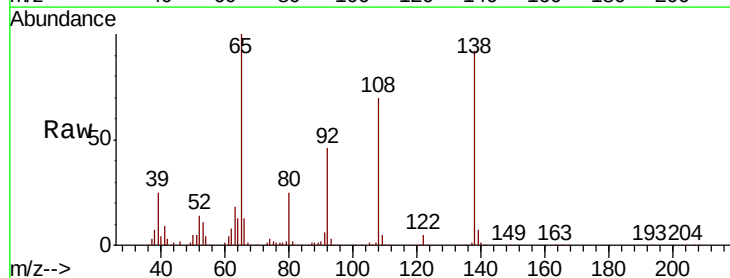
Instrument :  
BNA\_M  
ClientSampleId :

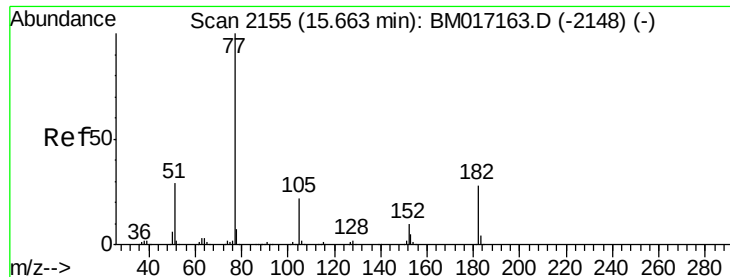
Tot Ion:204 Resp: 1743699  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.1 39.1  
141 57.7 45.4 68.2



#62  
4-Nitroaniline  
Concen: 44.355 ng  
RT: 15.40 min Scan# 2110  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:138 Resp: 788268  
Ion Ratio Lower Upper  
138 100  
92 50.4 31.2 71.2  
108 76.7 55.5 95.5





#63

Azobenzene

Concen: 50.720 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

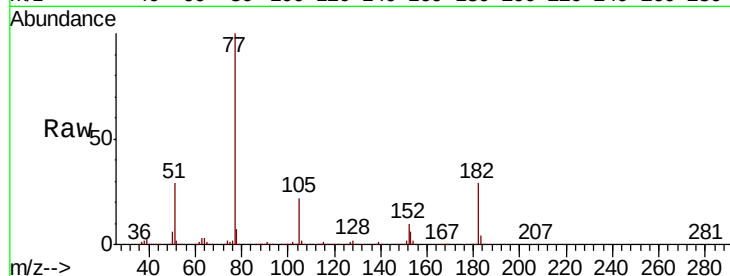
Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 77 Resp: 3295919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.9  | 8.3   | 48.3  |
| 105 | 21.9  | 1.5   | 41.5  |
| 51  | 29.3  | 8.8   | 48.8  |

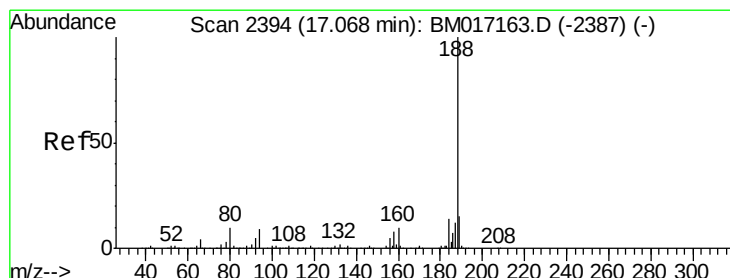
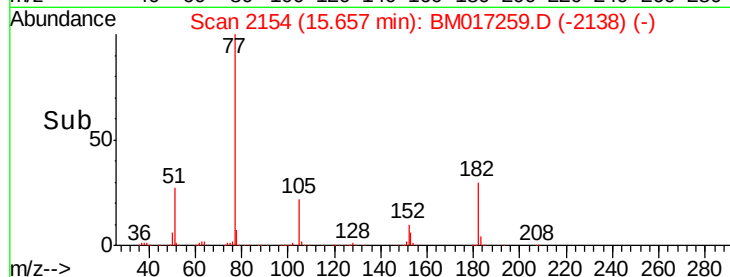


Abundance Ion 77.00 (76.70 to 77.70): BM0

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): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

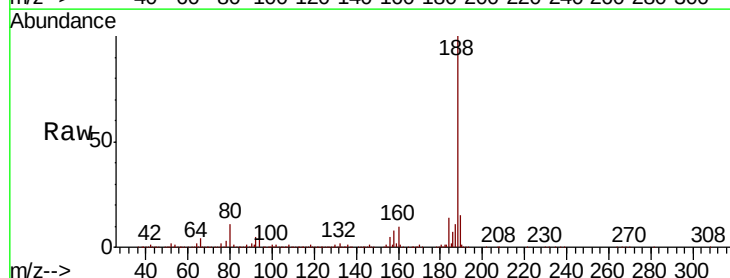
Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:188 Resp: 1906246

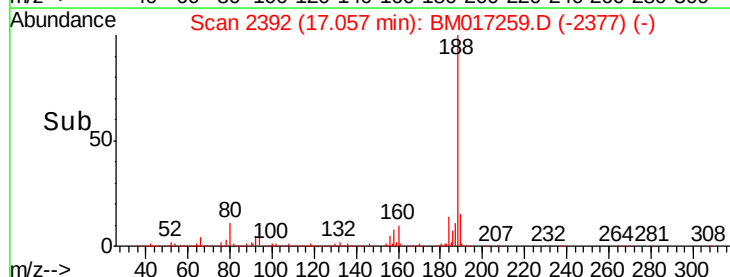
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.6   | 7.0   | 10.4  |
| 80  | 10.7  | 7.7   | 11.5  |

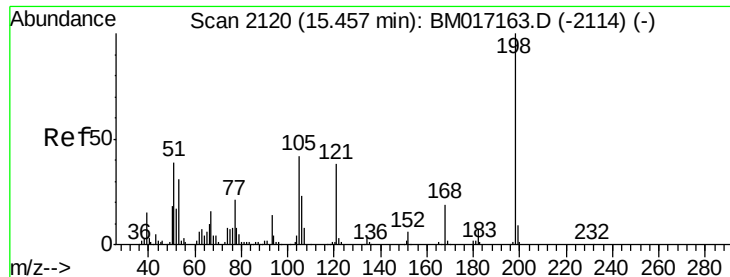


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

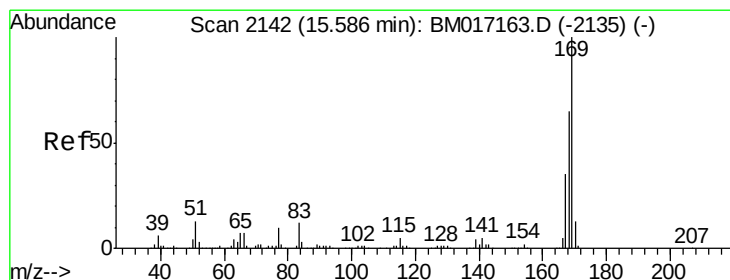
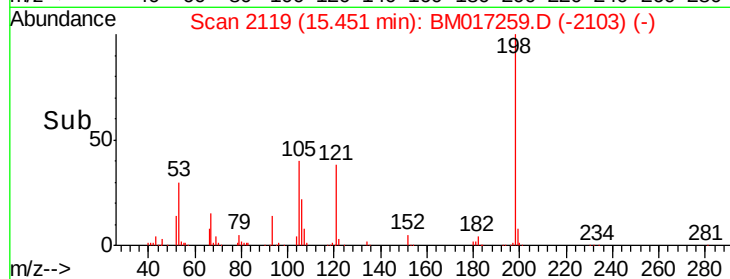
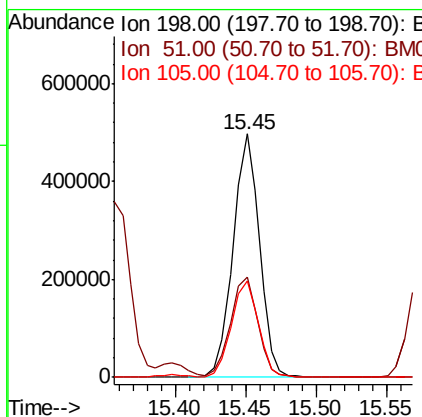
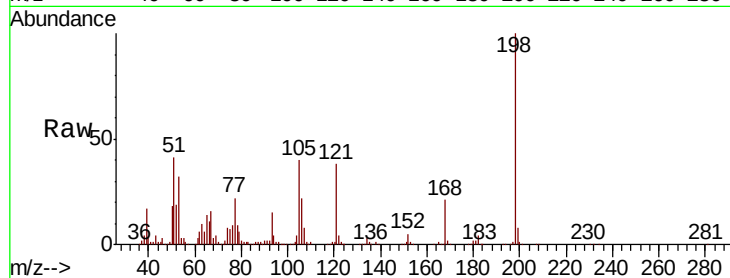




#65  
4,6-Dinitro-2-methylphenol  
Concen: 52.137 ng  
RT: 15.45 min Scan# 2119  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

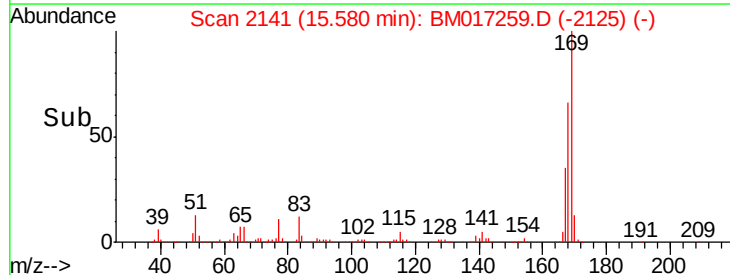
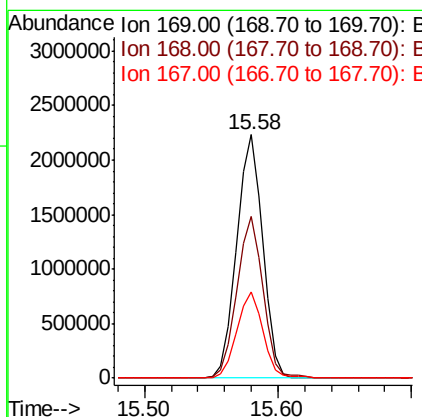
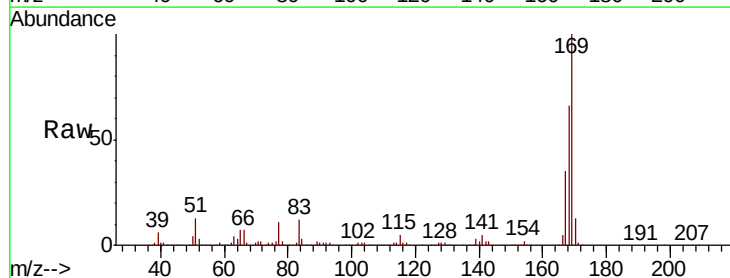
Instrument :  
BNA\_M  
ClientSampleId :

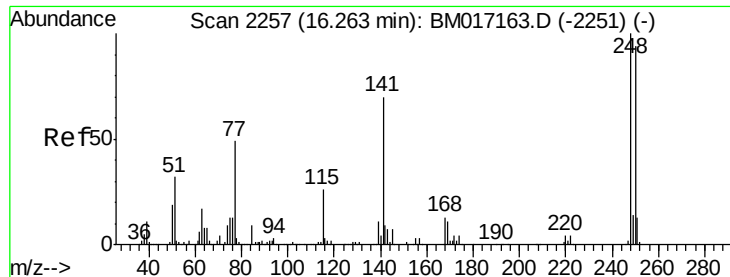
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 41.1  | 20.3  | 60.3  |
| 105     | 39.8  | 21.9  | 61.9  |



#66  
n-Nitrosodiphenylamine  
Concen: 52.339 ng  
RT: 15.58 min Scan# 2141  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.3  | 52.2  | 78.4  |
| 167     | 35.2  | 28.4  | 42.6  |

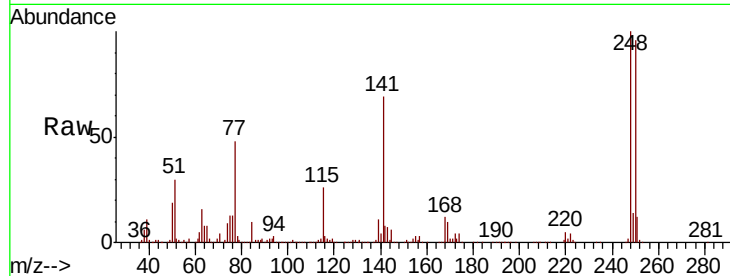




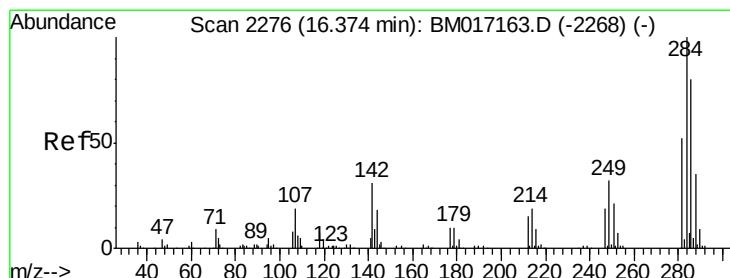
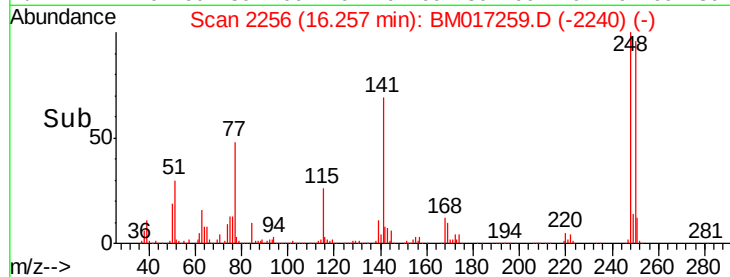
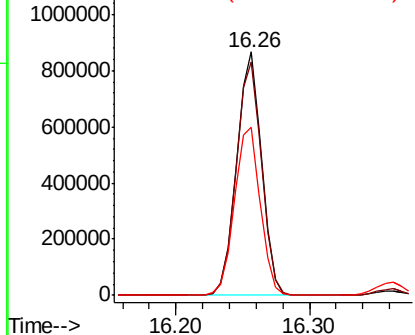
#67  
4-Bromophenyl-phenylether  
Concen: 53.619 ng  
RT: 16.26 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:248 Resp: 1122277  
Ion Ratio Lower Upper  
248 100  
250 96.0 75.1 112.7  
141 68.9 55.6 83.4

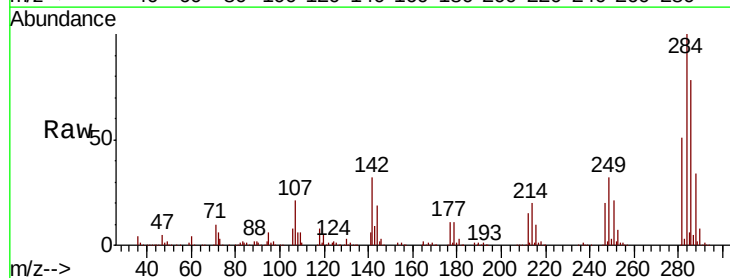


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

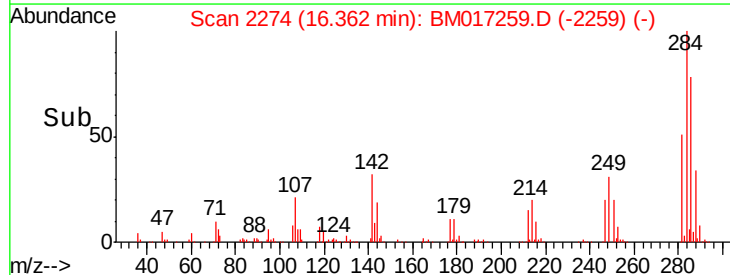
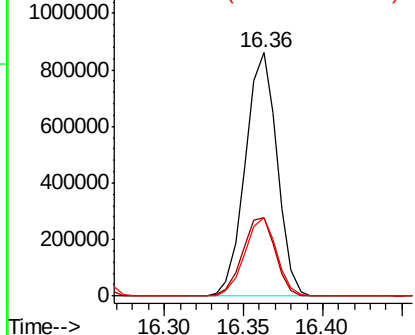


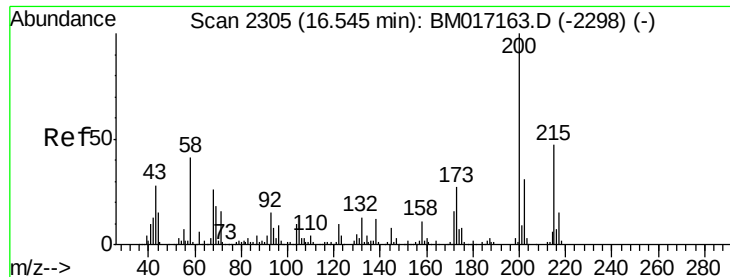
#68  
Hexachlorobenzene  
Concen: 49.362 ng  
RT: 16.36 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:284 Resp: 1200135  
Ion Ratio Lower Upper  
284 100  
142 32.5 25.0 37.6  
249 32.0 25.5 38.3



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

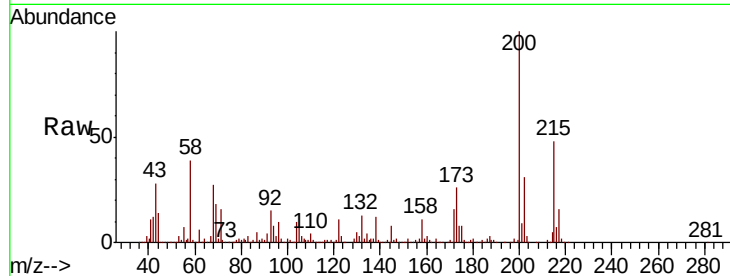




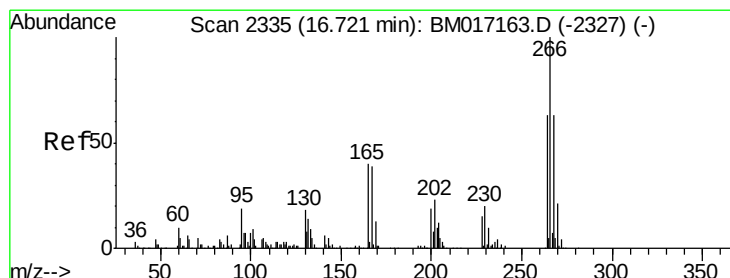
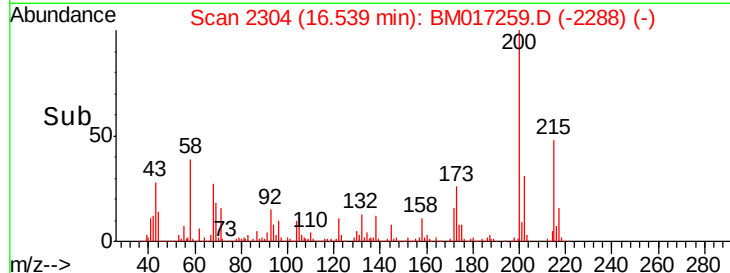
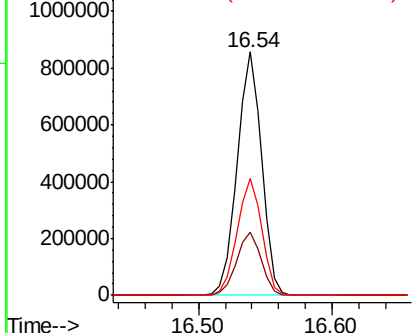
#69  
Atrazine  
Concen: 52.667 ng  
RT: 16.54 min Scan# 2304  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:200 Resp: 1087124  
Ion Ratio Lower Upper  
200 100  
173 26.1 7.0 47.0  
215 47.8 27.3 67.3

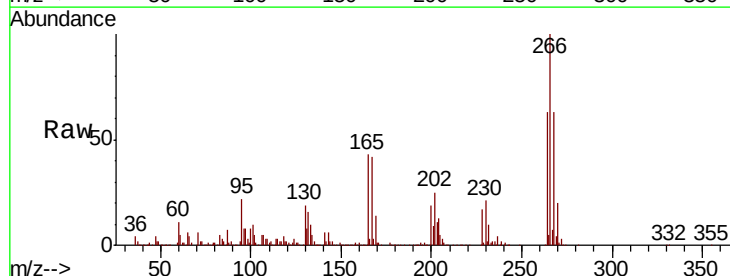


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

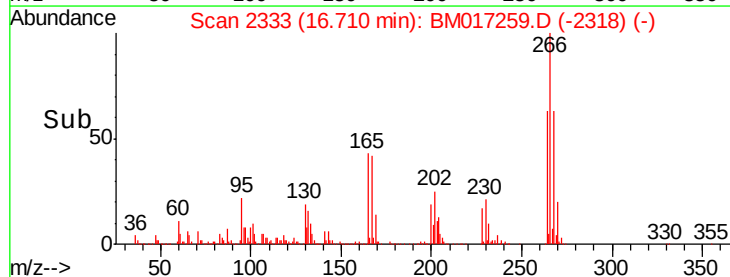
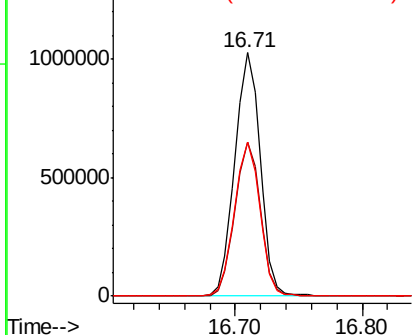


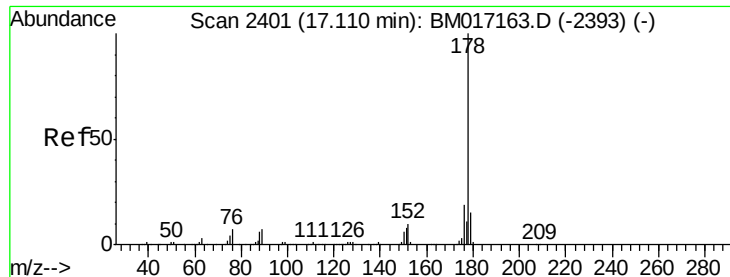
#70  
Pentachlorophenol  
Concen: 85.834 ng  
RT: 16.71 min Scan# 2333  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:266 Resp: 1429585  
Ion Ratio Lower Upper  
266 100  
268 63.3 50.7 76.1  
264 63.1 50.4 75.6



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E

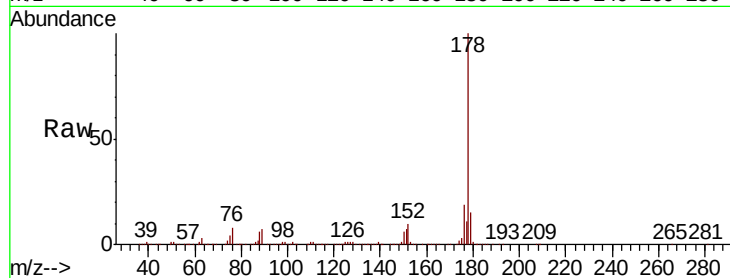




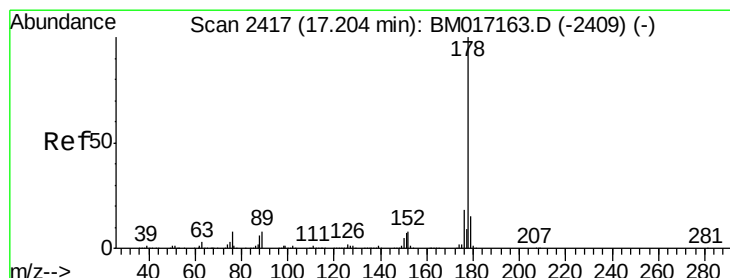
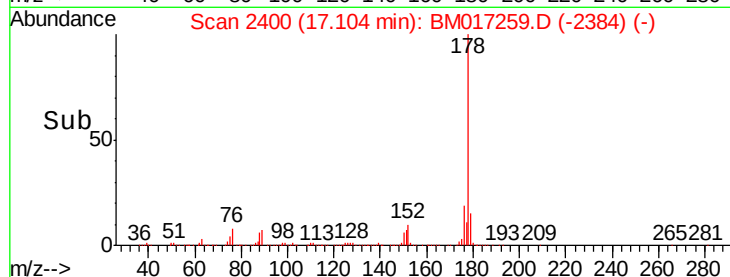
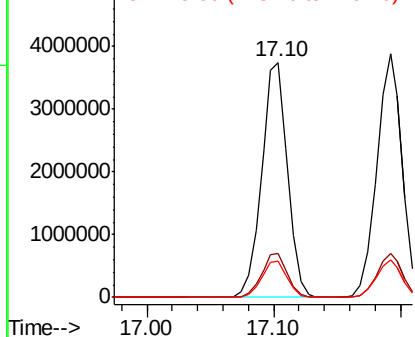
#71  
Phenanthrene  
Concen: 51.197 ng  
RT: 17.10 min Scan# 2400  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:178 Resp: 5265519  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.6  
179 15.4 12.3 18.5

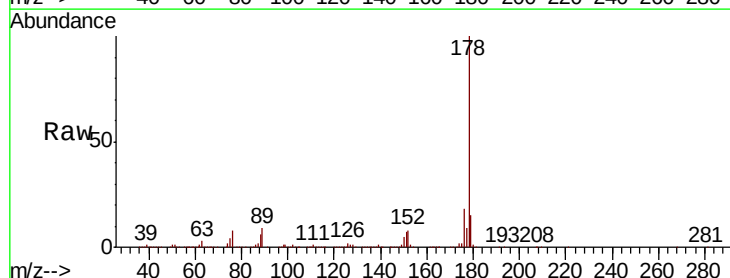


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

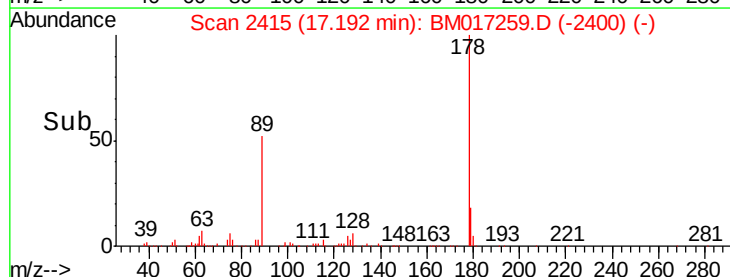
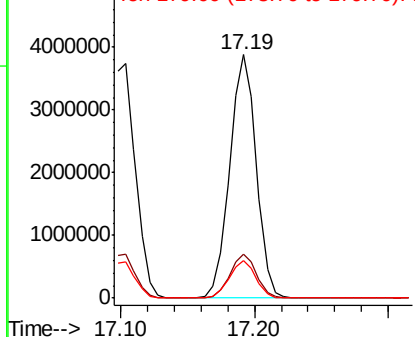


#72  
Anthracene  
Concen: 54.896 ng  
RT: 17.19 min Scan# 2415  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

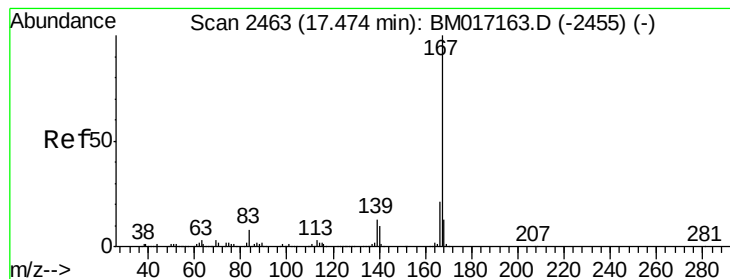
Tgt Ion:178 Resp: 5364702  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.5 21.7  
179 15.4 12.2 18.2



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







#73

Carbazole

Concen: 47.234 ng

RT: 17.47 min Scan# 2462

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

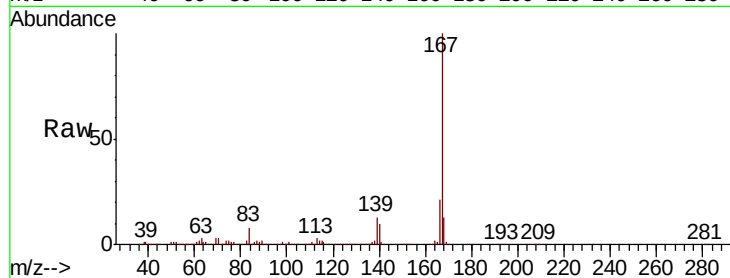
Tot Ion:167 Resp: 4715119

Ion Ratio Lower Upper

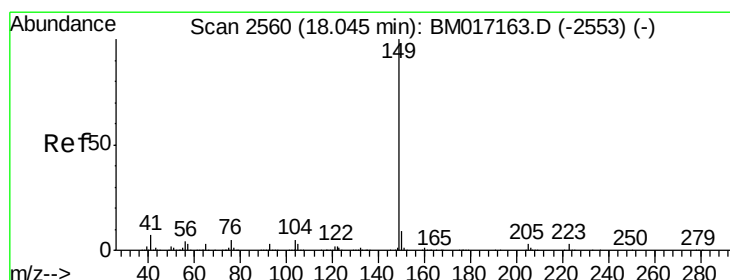
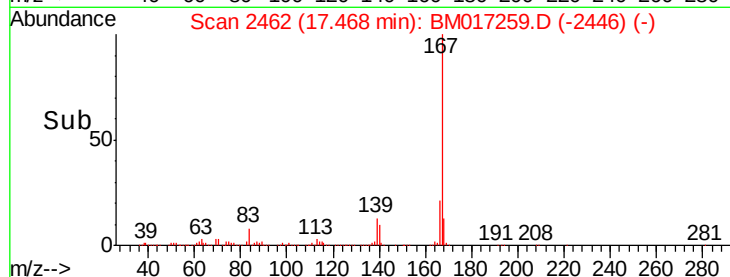
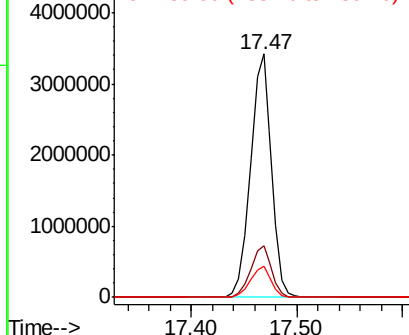
167 100

166 21.2 17.1 25.7

139 12.7 10.1 15.1



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



#74

Di-n-butylphthalate

Concen: 54.522 ng

RT: 18.03 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

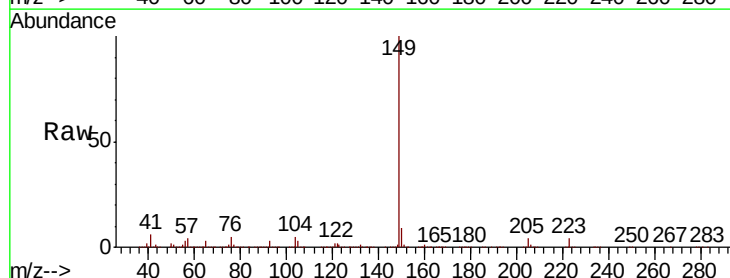
Tgt Ion:149 Resp: 5740542

Ion Ratio Lower Upper

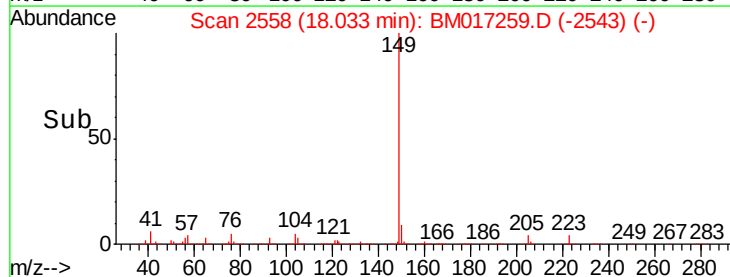
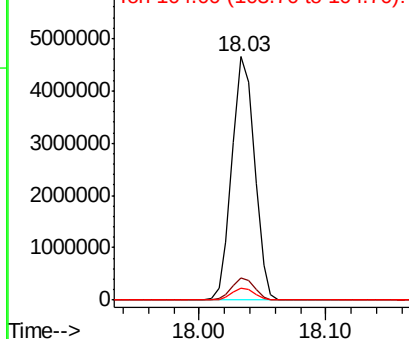
149 100

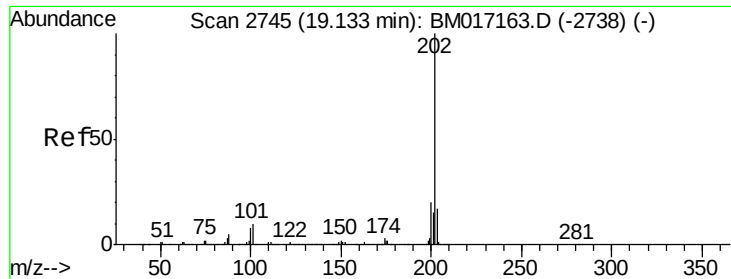
150 9.3 7.4 11.0

104 5.0 4.3 6.5



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





#75

Fluoranthene

Concen: 50.243 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampled :

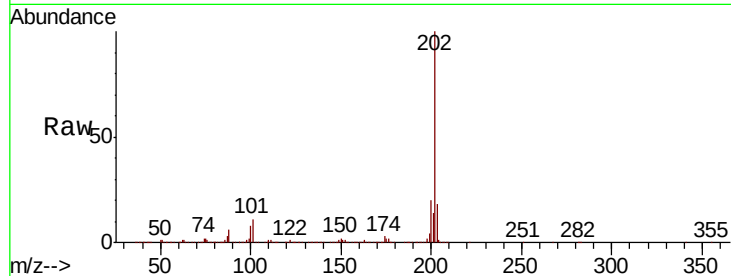
Tot Ion:202 Resp: 5814729

Ion Ratio Lower Upper

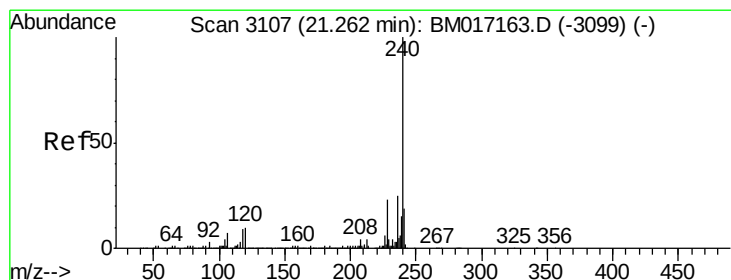
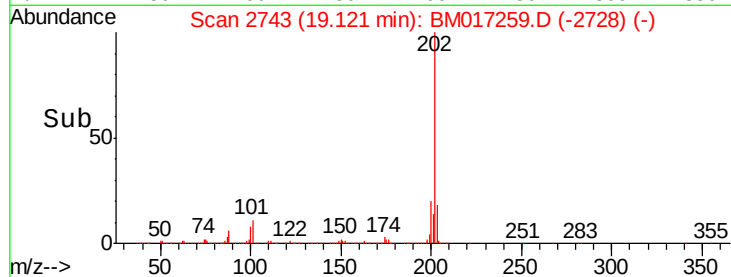
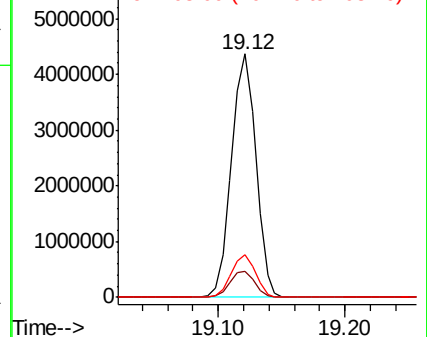
202 100

101 10.6 0.0 30.0

203 17.7 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E  
6000000  
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: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

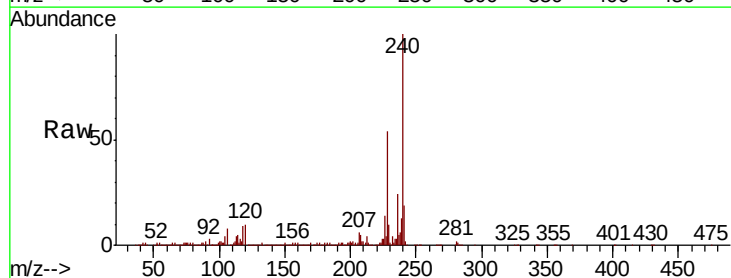
Tgt Ion:240 Resp: 1706148

Ion Ratio Lower Upper

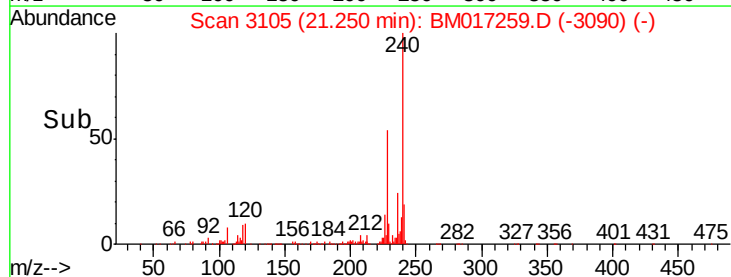
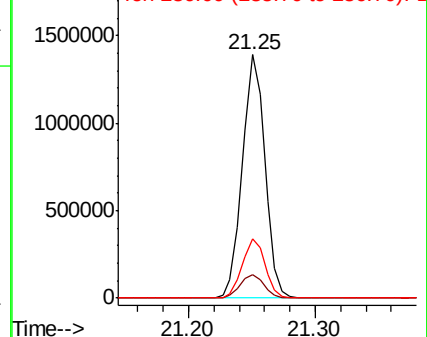
240 100

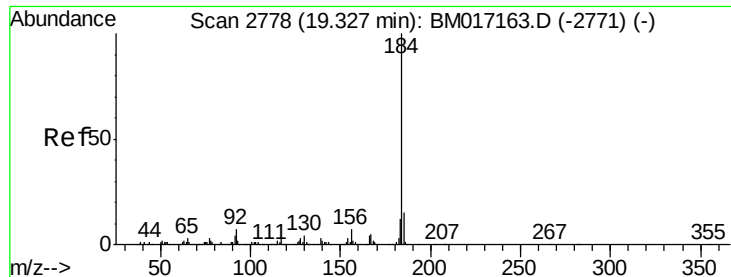
120 9.9 8.1 12.1

236 24.4 19.9 29.9



Abundance Ion 240.00 (239.70 to 240.70): E  
1500000  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.249 ng

RT: 19.32 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

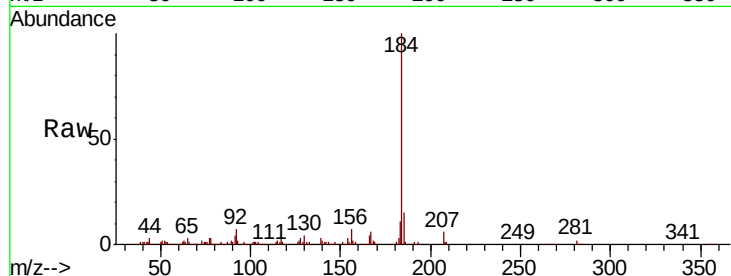
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:184 Resp: 313586

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.5  | 11.8  | 17.8  |
| 183 | 10.8  | 9.7   | 14.5  |

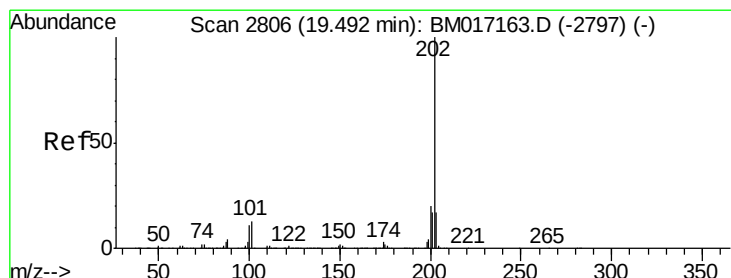
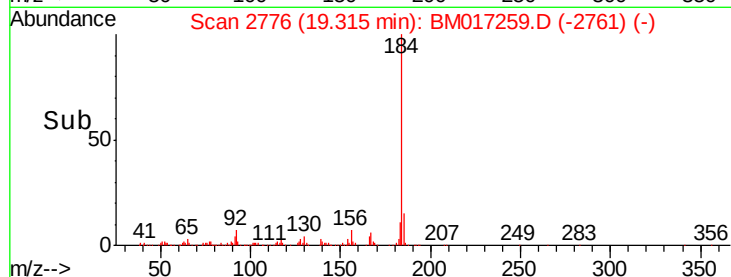
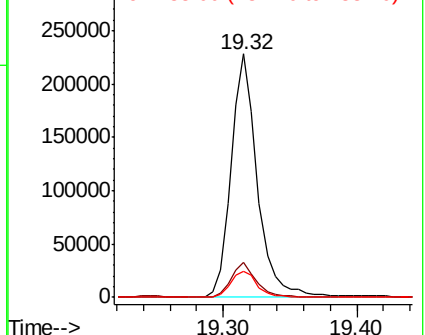


Abundance

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: 60.907 ng

RT: 19.49 min Scan# 2805

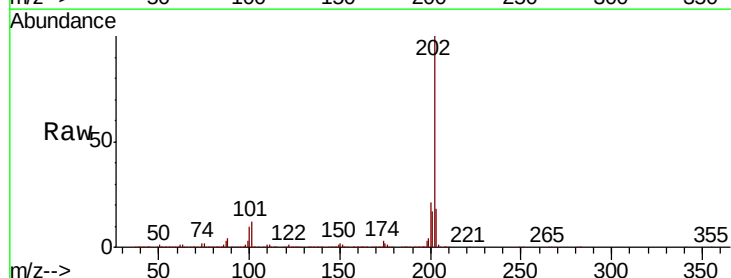
Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:202 Resp: 5807909

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 20.9  | 16.3  | 24.5  |
| 203 | 17.6  | 13.9  | 20.9  |

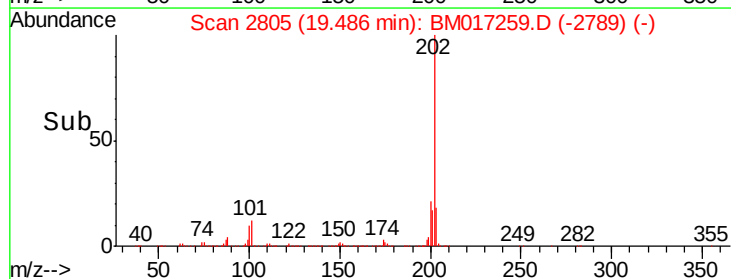
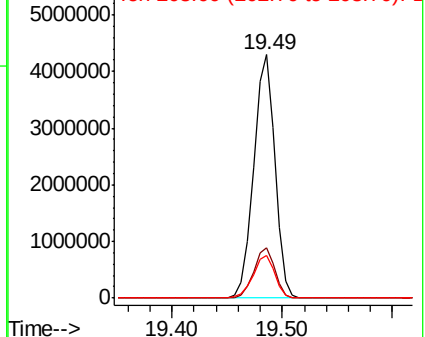


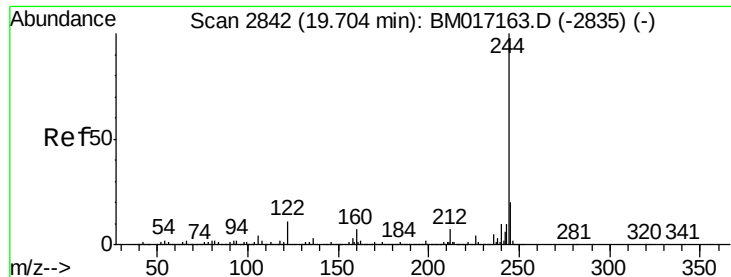
Abundance

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: 93.125 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

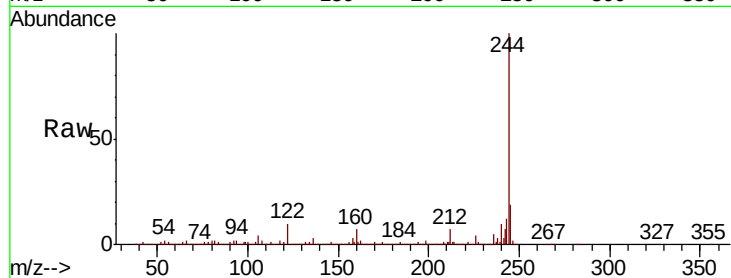
Tot Ion:244 Resp: 7049029

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

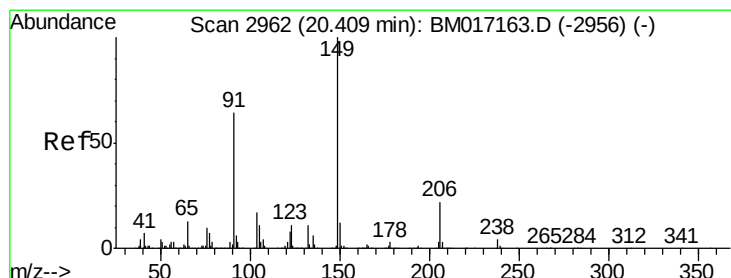
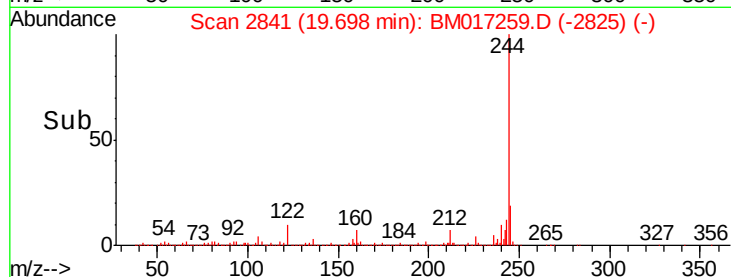
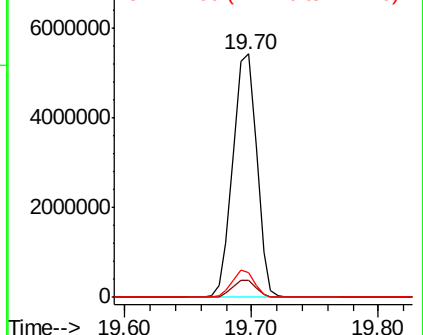
122 10.1 8.4 12.6



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: 63.261 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

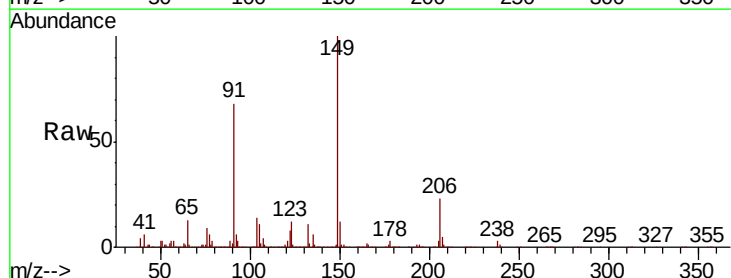
Tgt Ion:149 Resp: 2392858

Ion Ratio Lower Upper

149 100

91 67.9 51.3 76.9

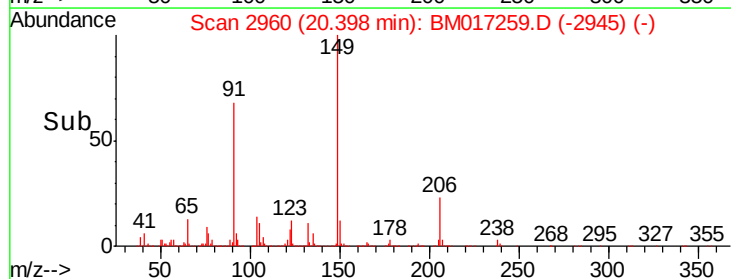
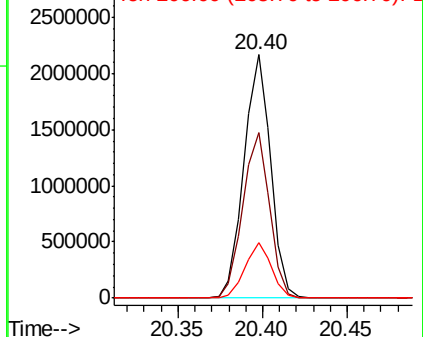
206 22.7 18.0 27.0

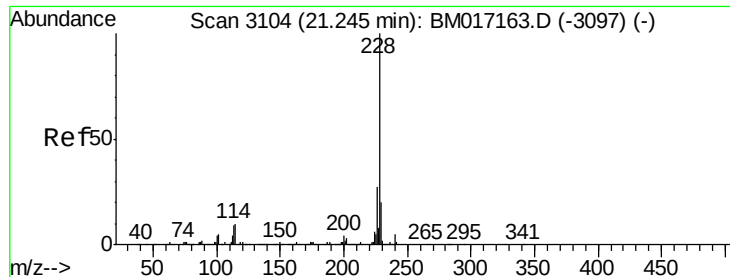


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 53.895 ng

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

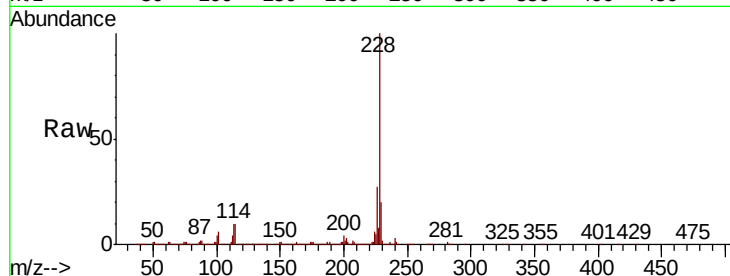
Instrument :

BNA\_M

ClientSampled :

Tot Ion:228 Resp: 5174617

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.9  | 21.4  | 32.0  |
| 229 | 19.7  | 15.9  | 23.9  |

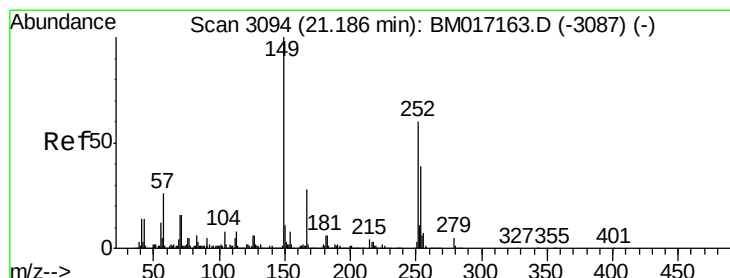
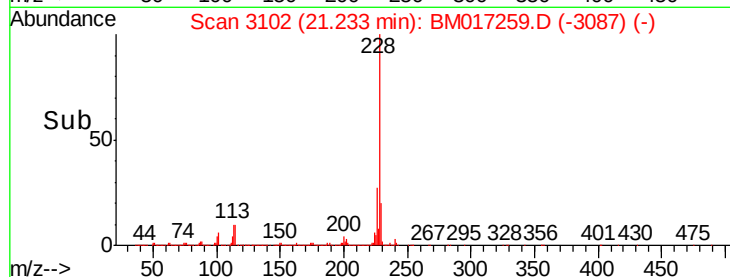
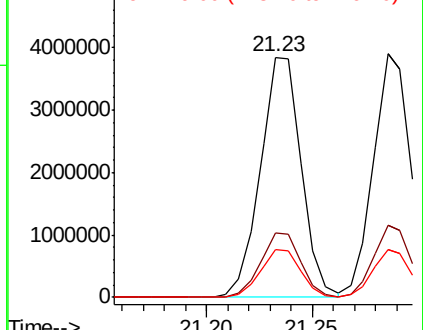


Abundance

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: 19.506 ng

RT: 21.17 min Scan# 3092

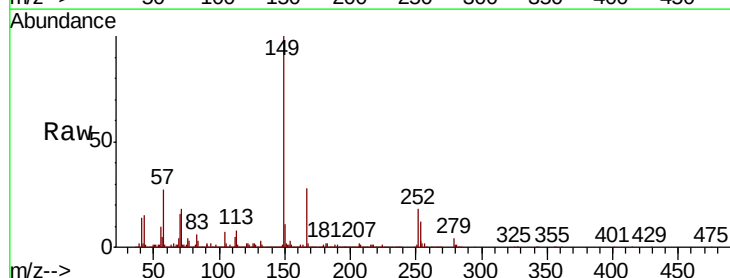
Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:252 Resp: 698000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 65.6  | 52.1  | 78.1  |
| 126 | 10.8  | 8.6   | 12.8  |

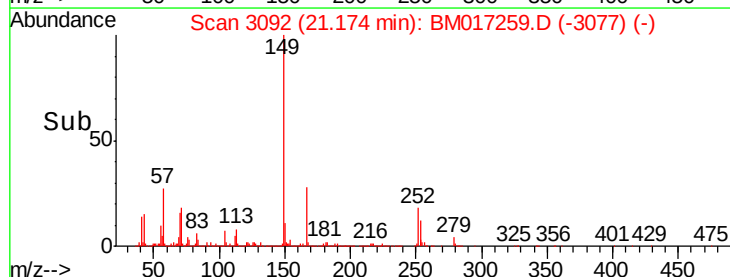
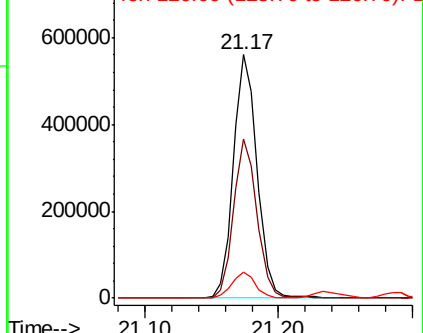


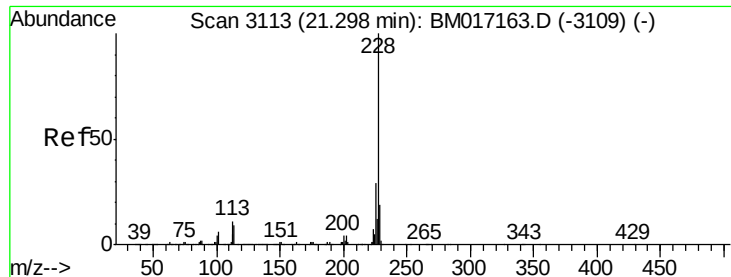
Abundance

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

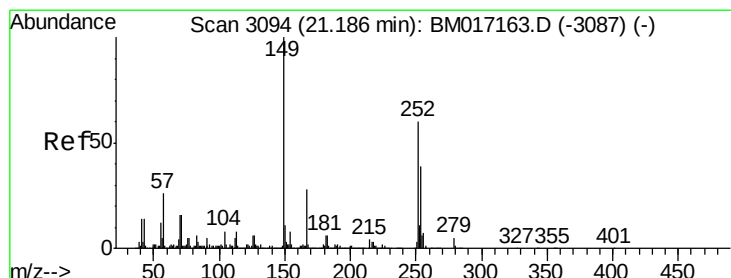
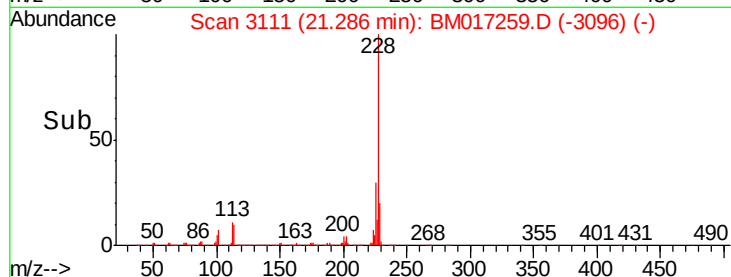
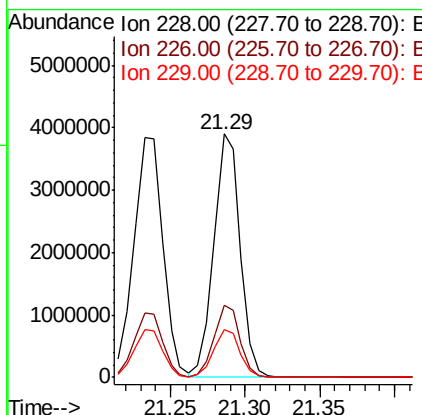
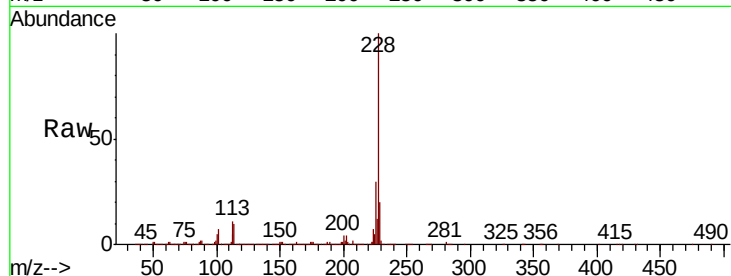




#83  
 Chrysene  
 Concen: 50.516 ng  
 RT: 21.29 min Scan# 3111  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

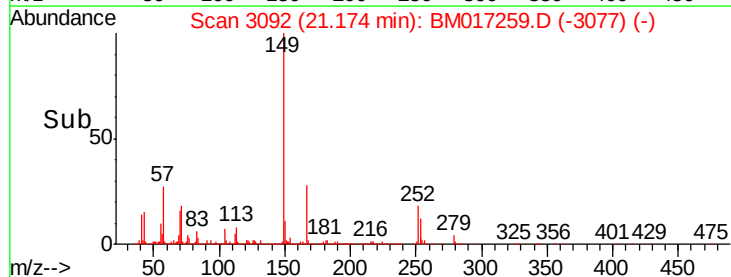
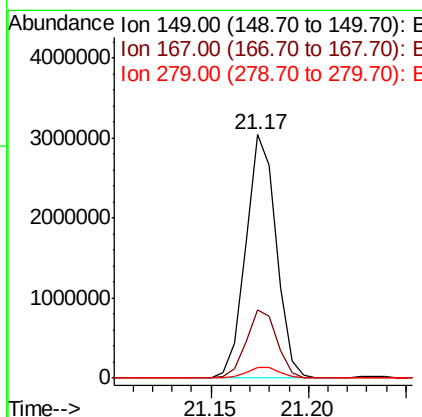
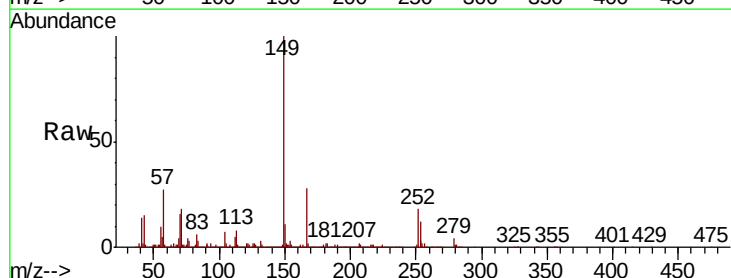
Instrument :  
 BNA\_M  
 ClientSampleId :

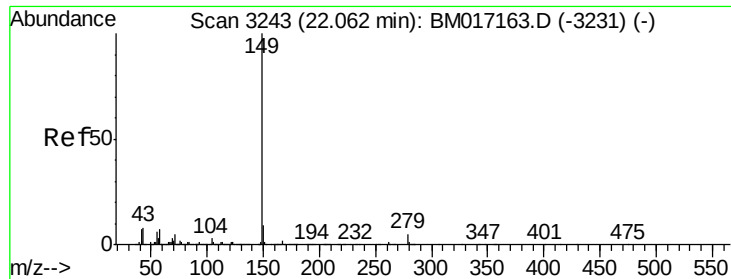
Tot Ion:228 Resp: 4800681  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 23.3 34.9  
 229 19.9 15.6 23.4



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 57.861 ng  
 RT: 21.17 min Scan# 3092  
 Delta R.T. -0.01 min  
 Lab File: BM017259.D  
 Acq: 20 Oct 2018 11:25

Tgt Ion:149 Resp: 3280411  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 22.2 33.4  
 279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 53.595 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Instrument :

BNA\_M

ClientSampled :

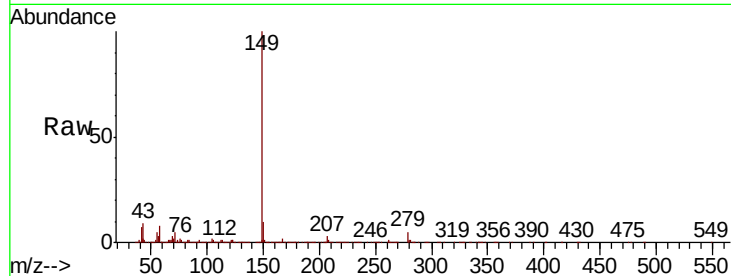
Tot Ion:149 Resp: 5109957

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

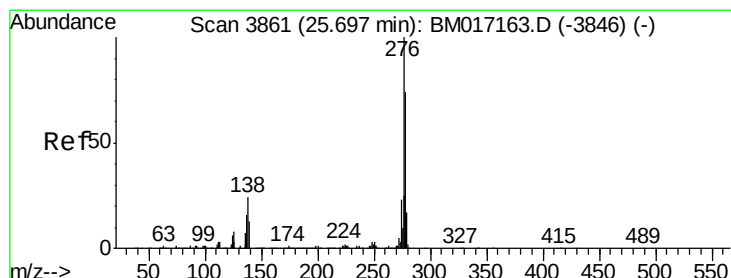
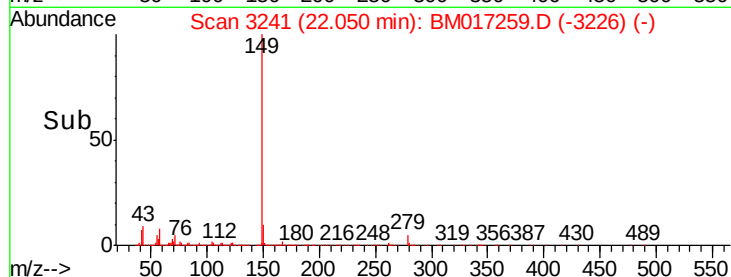
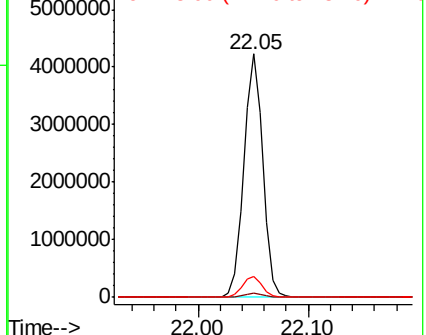
43 8.8 7.2 10.8



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): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.212 ng

RT: 25.68 min Scan# 3858

Delta R.T. -0.02 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

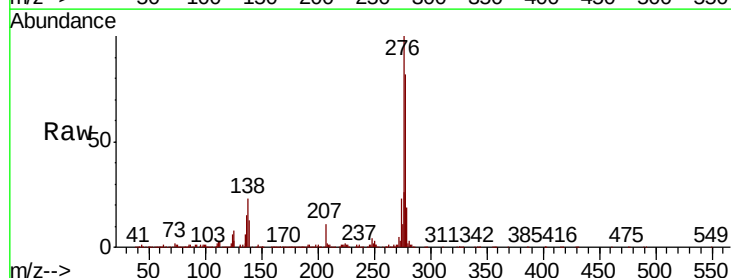
Tgt Ion:276 Resp: 4699400

Ion Ratio Lower Upper

276 100

138 23.5 19.5 29.3

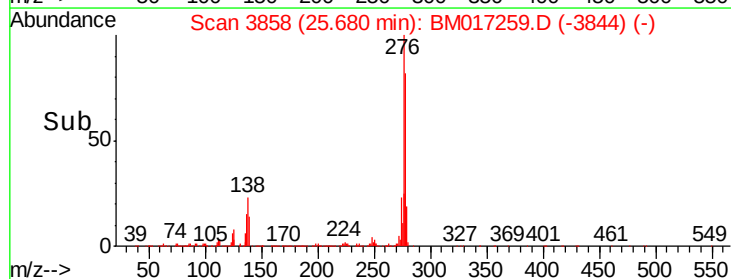
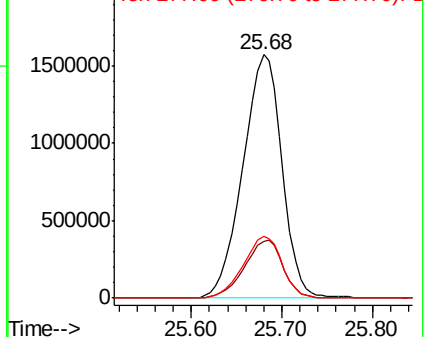
277 25.3 20.1 30.1

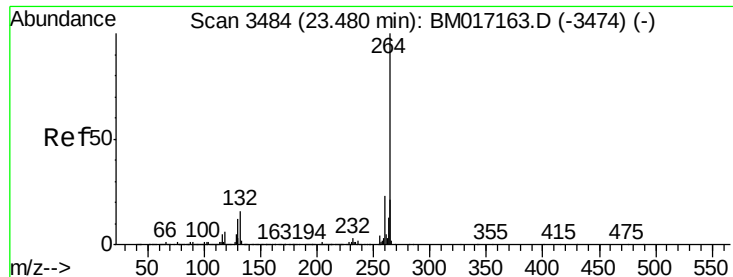


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



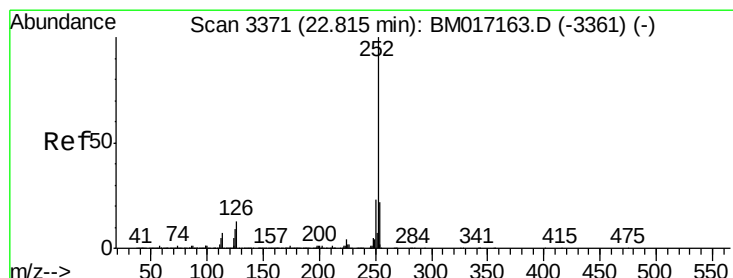
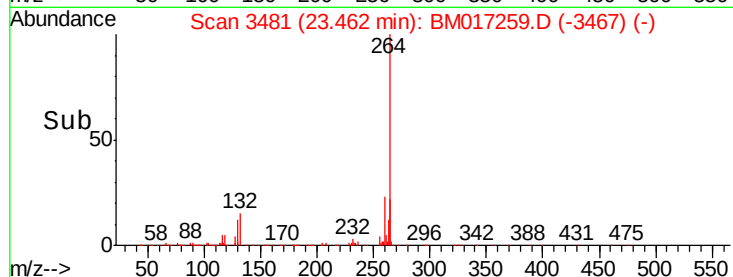
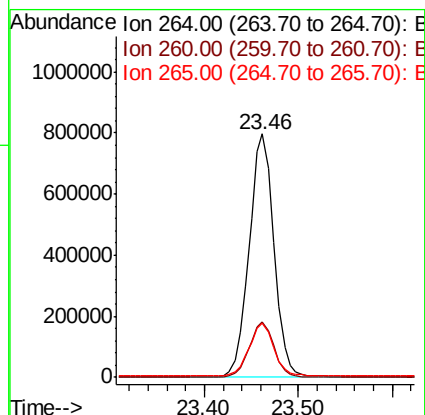
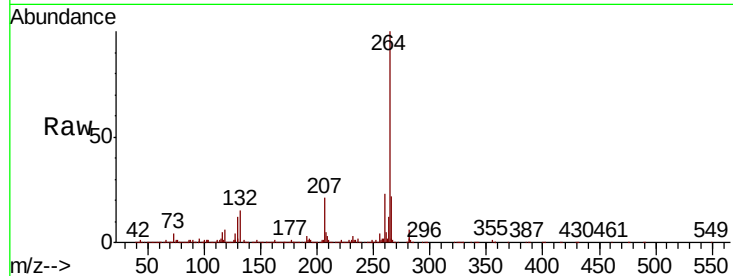


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.46 min Scan# 3481  
Delta R.T. -0.02 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:264 Resp: 1459747  

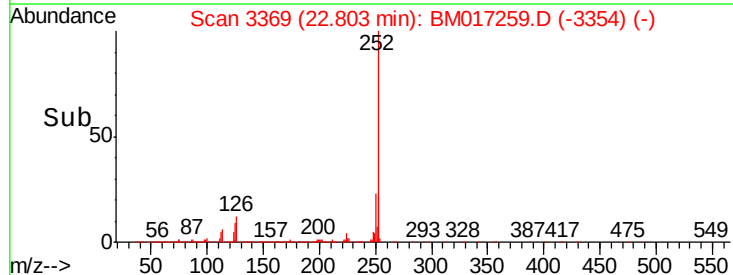
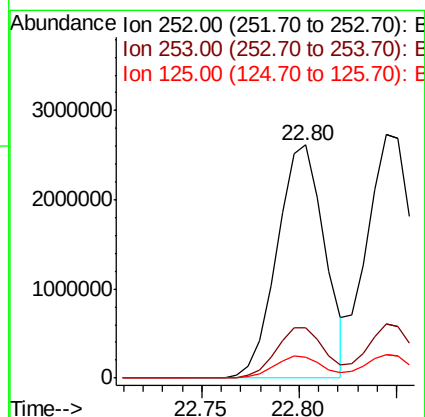
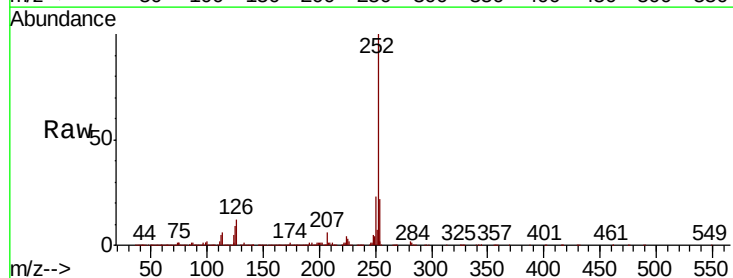
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 18.6  | 27.8  |
| 265 | 22.3  | 17.8  | 26.8  |



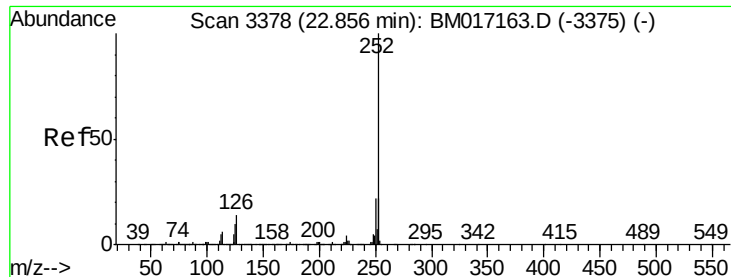
#88  
Benzo(b)fluoranthene  
Concen: 55.381 ng  
RT: 22.80 min Scan# 3369  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:252 Resp: 4419905  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.4  | 26.2  |
| 125 | 9.2   | 7.5   | 11.3  |



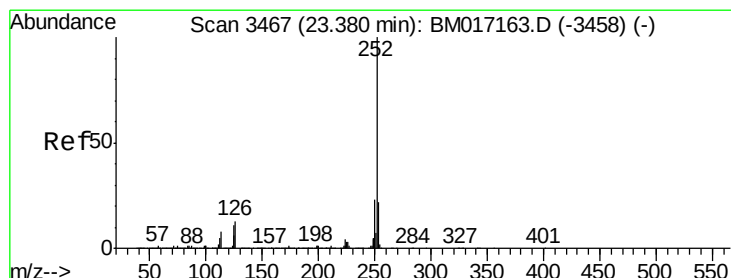
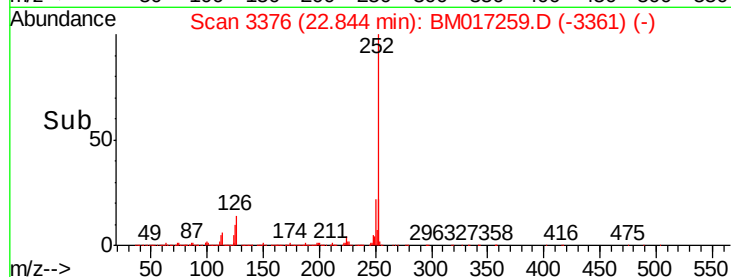
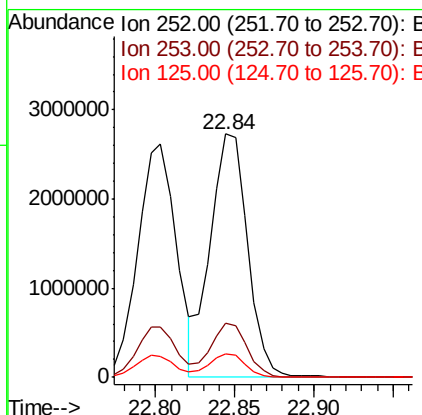
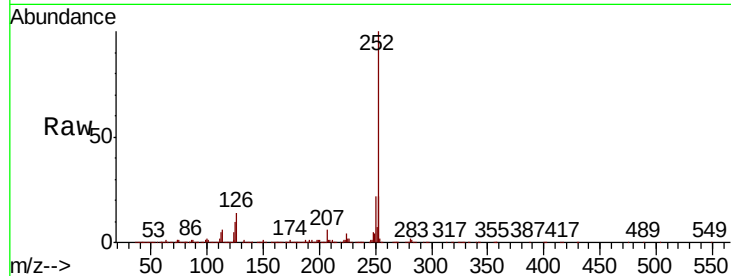




#89  
Benzo(k)fluoranthene  
Concen: 55.625 ng  
RT: 22.84 min Scan# 3376  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

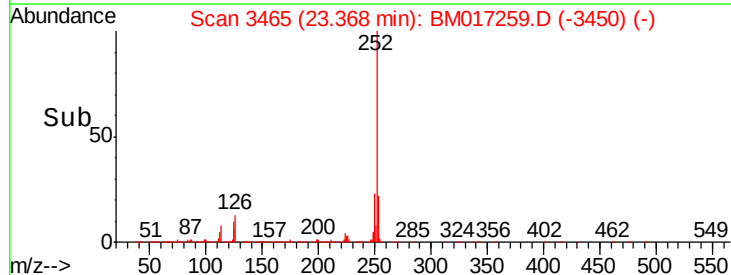
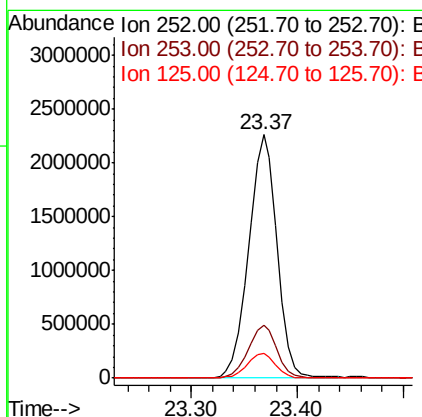
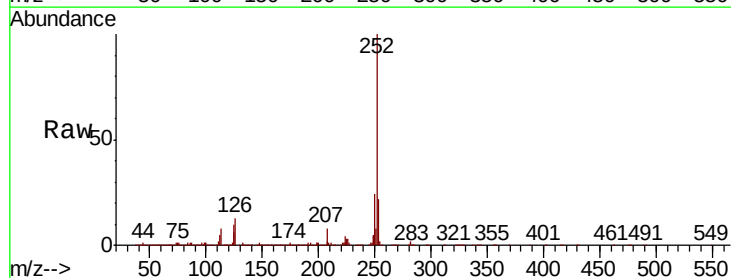
Instrument :  
BNA\_M  
ClientSampleId :

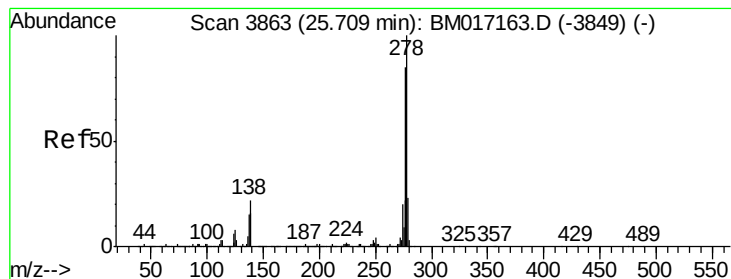
Tot Ion:252 Resp: 4454655  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 9.6 8.2 12.2



#90  
Benzo(a)pyrene  
Concen: 55.364 ng  
RT: 23.37 min Scan# 3465  
Delta R.T. -0.01 min  
Lab File: BM017259.D  
Acq: 20 Oct 2018 11:25

Tgt Ion:252 Resp: 4195338  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.0  
125 10.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 52.619 ng

RT: 25.69 min Scan# 3860

Delta R.T. -0.02 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

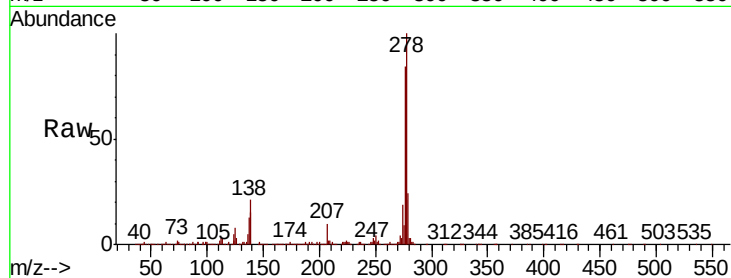
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:278 Resp: 3959255

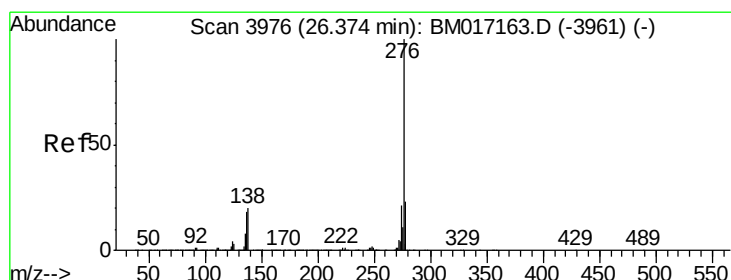
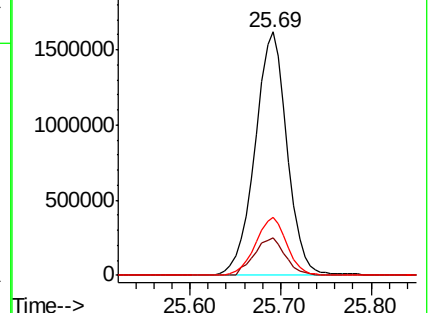
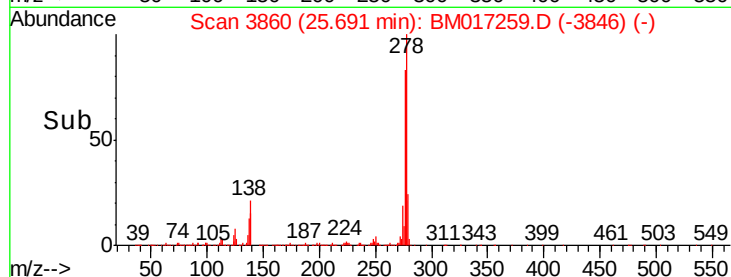
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.4  | 12.7  | 19.1  |
| 279 | 23.9  | 18.7  | 28.1  |



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: 52.894 ng

RT: 26.36 min Scan# 3973

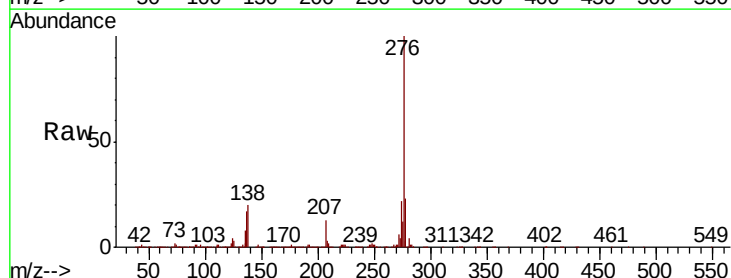
Delta R.T. -0.02 min

Lab File: BM017259.D

Acq: 20 Oct 2018 11:25

Tgt Ion:276 Resp: 3944569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.4  | 18.6  | 28.0  |
| 138 | 19.9  | 16.4  | 24.6  |



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

