

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080318\  
 Data File : BM016191.D  
 Acq On : 03 Aug 2018 22:12  
 Operator : SJ/JU  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 04 02:14:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 04 02:12:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.19  | 152  | 44579    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.00 | 136  | 188084   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.82 | 164  | 94564    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.64 | 188  | 177309   | 20.00 | ng/ul | 0.10     |
| 77) Chrysene-d12          | 21.67 | 240  | 169907   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.02 | 264  | 176000   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.45  | 96  | 8912   | 8.80  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.35  | 99  | 69187  | 16.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 46429  | 18.12 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.71  | 132 | 64805  | 19.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.90  | 113 | 57412  | 16.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.37  | 128 | 28607  | 21.18 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.10 | 143 | 31623  | 20.60 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.63 | 165 | 59076  | 19.87 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.16 | 131 | 74216  | 20.51 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.22 | 166 | 167206 | 19.40 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.51 | 160 | 202661 | 20.61 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.04 | 143 | 19044  | 12.75 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.80 | 176 | 131958 | 18.05 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.94 | 200 | 19102  | 16.14 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.64 | 188 | 177309 | 19.53 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.91 | 212 | 171274 | 21.75 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.87 | 264 | 188537 | 19.48 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 8867   | 8.977  | ng/uL# | 82 |
| 4) Benzaldehyde                | 7.33  | 77  | 53136  | 20.293 | ng/ul  | 83 |
| 6) Phenol                      | 7.37  | 94  | 69393  | 16.964 | ng/ul# | 68 |
| 8) Bis(2-Chloroethyl)ether     | 7.60  | 93  | 53834  | 17.821 | ng/ul# | 85 |
| 10) 2-Chlorophenol             | 7.75  | 128 | 63544  | 19.341 | ng/ul# | 85 |
| 11) 2-Methylphenol             | 8.64  | 108 | 51962  | 16.516 | ng/ul  | 93 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 81733  | 17.035 | ng/ul# | 92 |
| 14) Acetophenone               | 9.03  | 105 | 97297  | 16.784 | ng/ul# | 77 |
| 15) N-Nitroso-di-n-propylamine | 9.00  | 70  | 48944  | 16.878 | ng/ul# | 63 |
| 16) 4-Methylphenol             | 8.97  | 108 | 56753  | 16.334 | ng/ul  | 93 |
| 17) Hexachloroethane           | 9.26  | 117 | 32917  | 22.262 | ng/ul# | 81 |
| 20) Nitrobenzene               | 9.42  | 77  | 81224  | 21.278 | ng/ul# | 85 |
| 21) Isophorone                 | 9.93  | 82  | 125469 | 18.838 | ng/ul# | 98 |
| 23) 2-Nitrophenol              | 10.13 | 139 | 34488  | 20.928 | ng/ul# | 61 |
| 24) 2,4-Dimethylphenol         | 10.17 | 107 | 76014  | 20.168 | ng/ul  | 88 |
| 25) Bis(2-Chloroethoxy)methane | 10.41 | 93  | 72979  | 18.832 | ng/ul  | 99 |
| 27) 2,4-Dichlorophenol         | 10.66 | 162 | 56878  | 19.535 | ng/ul  | 95 |
| 28) Naphthalene                | 11.06 | 128 | 194932 | 19.556 | ng/ul  | 99 |
| 30) 4-Chloroaniline            | 11.17 | 127 | 74562  | 20.668 | ng/ul  | 98 |
| 31) Hexachlorobutadiene        | 11.31 | 225 | 43097  | 21.071 | ng/ul  | 99 |
| 32) Caprolactam                | 11.97 | 113 | 13914  | 14.178 | ng/ul# | 69 |
| 33) 4-Chloro-3-methylphenol    | 12.29 | 107 | 59284  | 17.342 | ng/ul  | 94 |
| 34) 2-Methylnaphthalene        | 12.65 | 142 | 134431 | 18.176 | ng/ul  | 95 |

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 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

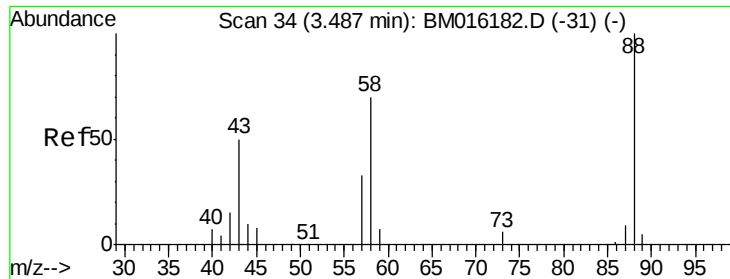
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Aug 04 02:14:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 04 02:12:34 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.02 | 216  | 65112    | 22.185 | ng/ul# | 94       |
| 37) Hexachlorocyclopentadiene  | 12.97 | 237  | 18342    | 13.182 | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 13.26 | 196  | 41567    | 21.934 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 13.34 | 196  | 42641    | 21.179 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.65 | 154  | 171423   | 21.407 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.70 | 162  | 131490   | 21.274 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.92 | 65   | 39046    | 19.742 | ng/ul# | 77       |
| 44) Dimethylphthalate          | 14.27 | 163  | 164900   | 19.318 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.41 | 165  | 29612    | 19.414 | ng/ul# | 63       |
| 47) Acenaphthylene             | 14.54 | 152  | 197128   | 20.474 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.74 | 138  | 27082    | 17.244 | ng/ul  | 93       |
| 49) Acenaphthene               | 14.88 | 153  | 140855   | 20.143 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.97 | 184  | 9781     | 11.605 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.05 | 109  | 27106    | 15.224 | ng/ul# | 66       |
| 53) Dibenzofuran               | 15.21 | 168  | 189439   | 18.984 | ng/ul# | 83       |
| 54) 2,4-Dinitrotoluene         | 15.20 | 165  | 42975    | 17.555 | ng/ul# | 21       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 32009    | 17.453 | ng/ul# | 78       |
| 56) Diethylphthalate           | 15.62 | 149  | 175753   | 18.943 | ng/ul  | 96       |
| 58) Fluorene                   | 15.86 | 166  | 145256   | 17.966 | ng/ul  | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.84 | 204  | 73994    | 18.365 | ng/ul  | 87       |
| 60) 4-Nitroaniline             | 15.90 | 138  | 25163    | 14.607 | ng/ul# | 53       |
| 63) 4,6-Dinitro-2-methylphenol | 15.96 | 198  | 19615    | 16.186 | ng/ul# | 67       |
| 64) N-Nitrosodiphenylamine     | 16.06 | 169  | 119682   | 21.791 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.73 | 248  | 40522    | 21.206 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.85 | 284  | 42400    | 19.873 | ng/ul# | 86       |
| 67) Atrazine                   | 17.00 | 200  | 44331    | 20.225 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 17.20 | 266  | 18853    | 16.437 | ng/ul  | 86       |
| 69) Phenanthrene               | 17.68 | 178  | 212794   | 20.299 | ng/ul  | 100      |
| 71) Anthracene                 | 17.68 | 178  | 212794   | 19.687 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.62 | 216  | 67376    | 27.163 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.13 | 250  | 56172    | 23.147 | ng/uL  | 98       |
| 74) Carbazole                  | 17.95 | 167  | 174569   | 17.820 | ng/ul  | 97       |
| 75) Di-n-butylphthalate        | 18.47 | 149  | 251897   | 20.126 | ng/ul# | 96       |
| 76) Fluoranthene               | 19.57 | 202  | 212689   | 16.166 | ng/ul# | 94       |
| 79) Pvrene                     | 19.93 | 202  | 218708   | 21.835 | ng/ul# | 94       |
| 80) Butylbenzylphthalate       | 20.79 | 149  | 112537   | 23.354 | ng/ul# | 83       |
| 81) 3,3'-Dichlorobenzidine     | 21.58 | 252  | 76005    | 20.336 | ng/ul  | 98       |
| 82) Benzo(a)anthracene         | 21.65 | 228  | 219802   | 20.009 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.54 | 149  | 162373   | 22.978 | ng/ul# | 94       |
| 84) Chrysene                   | 21.70 | 228  | 200852   | 19.547 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.44 | 149  | 274046   | 19.880 | ng/ul# | 82       |
| 87) Benzo(b)fluoranthene       | 23.36 | 252  | 205063   | 18.164 | ng/ul  | 97       |
| 88) Benzo(k)fluoranthene       | 23.36 | 252  | 205063   | 19.001 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.92 | 252  | 209859   | 19.333 | ng/ul  | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.43 | 276  | 258503   | 19.368 | ng/ul# | 93       |
| 92) Dibenzo(a,h)anthracene     | 26.43 | 278  | 215368   | 19.055 | ng/ul# | 96       |
| 93) Benzo(g,h,i)perylene       | 27.17 | 276  | 208624   | 19.549 | ng/ul  | 96       |

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





#2

1,4-Dioxane

Concen: 8.977 ng/uL

RT: 3.49 min Scan# 34

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

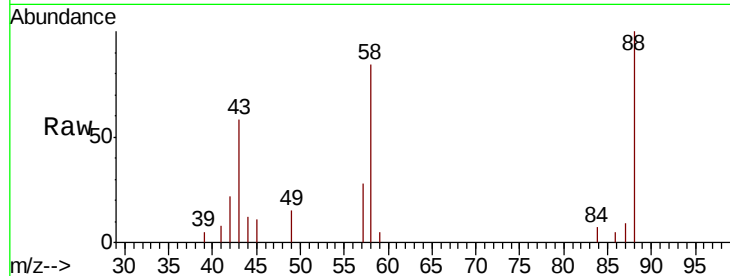
Tot Ion: 88 Resp: 8867

Ion Ratio Lower Upper

88 100

43 62.8 32.0 48.0#

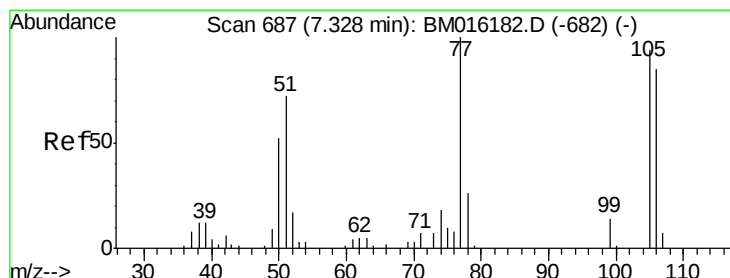
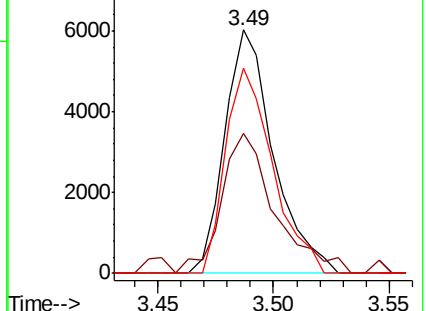
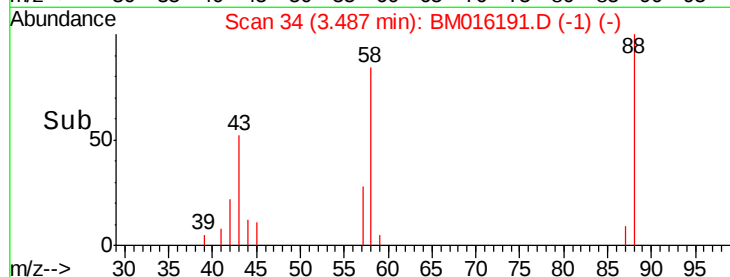
58 81.2 72.0 108.0



Abundance Ion 88.00 (87.70 to 88.70): BM016182.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM016182.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM016182.D (-31) (-)



#4

Benzaldehyde

Concen: 20.293 ng/uL

RT: 7.33 min Scan# 687

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

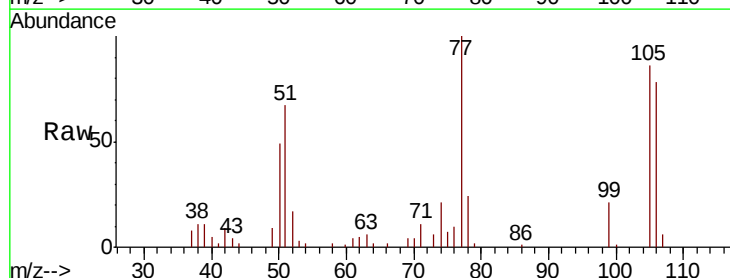
Tgt Ion: 77 Resp: 53136

Ion Ratio Lower Upper

77 100

105 85.6 80.6 120.8

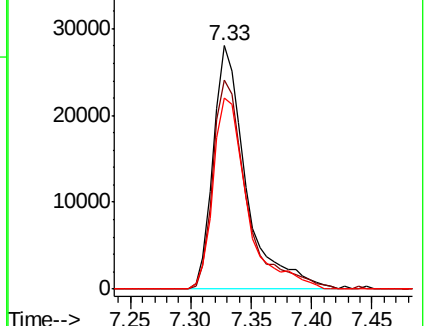
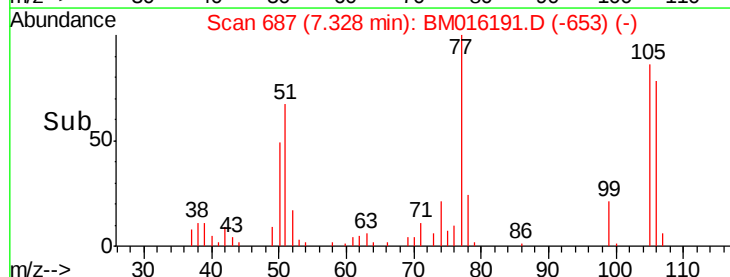
106 78.3 77.7 116.5

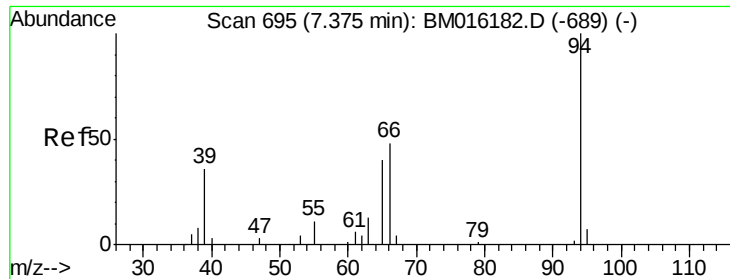


Abundance Ion 77.00 (76.70 to 77.70): BM016182.D (-682) (-)

Ion 105.00 (104.70 to 105.70): BM016182.D (-682) (-)

Ion 106.00 (105.70 to 106.70): BM016182.D (-682) (-)





#6

Phenol

Concen: 16.964 ng/ul

RT: 7.37 min Scan# 695

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

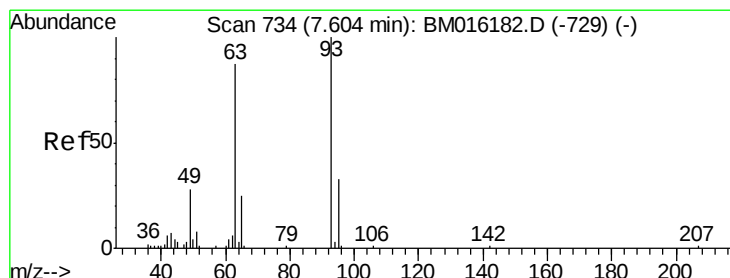
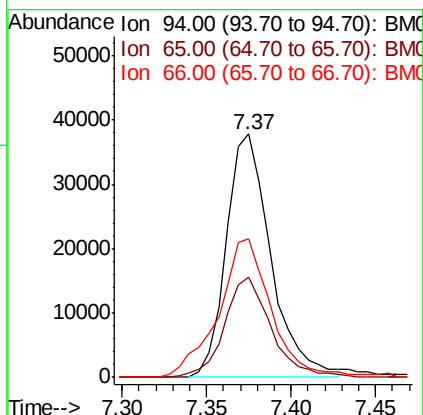
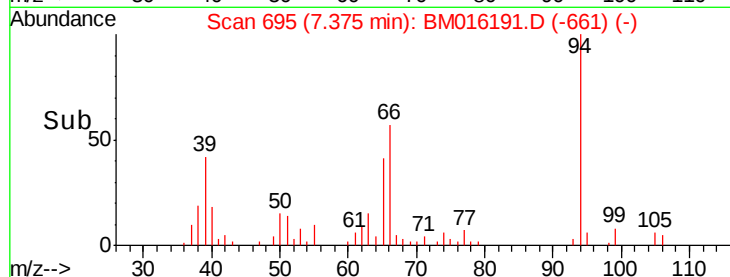
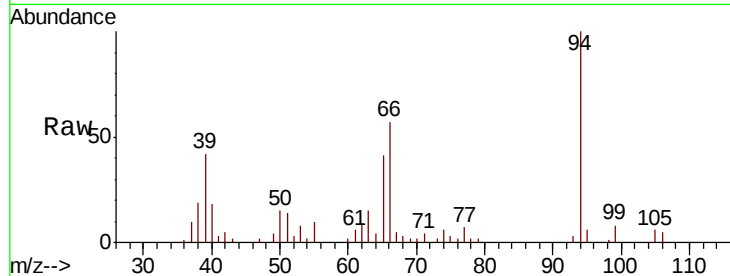
Tot Ion: 94 Resp: 69393

Ion Ratio Lower Upper

94 100

65 41.3 21.0 31.6#

66 56.8 29.3 43.9#



#8

Bis(2-Chloroethyl)ether

Concen: 17.821 ng/ul

RT: 7.60 min Scan# 734

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

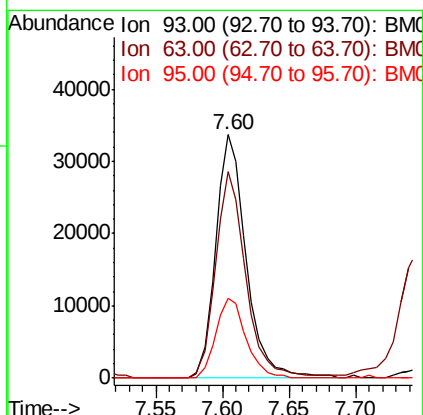
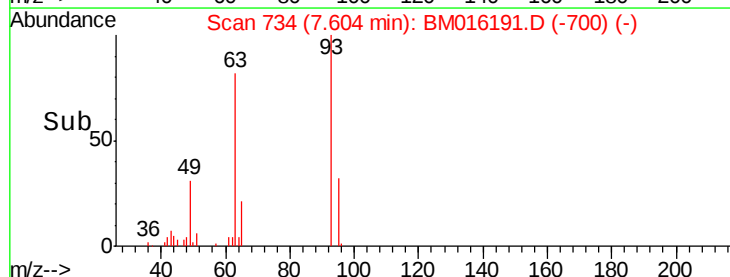
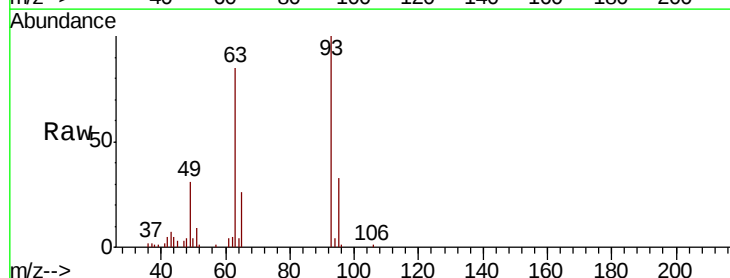
Tgt Ion: 93 Resp: 53834

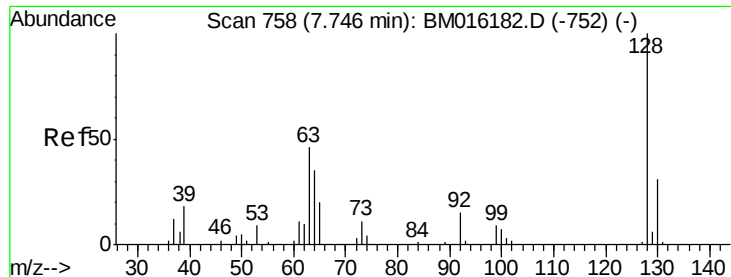
Ion Ratio Lower Upper

93 100

63 84.6 53.5 80.3#

95 32.8 26.2 39.2

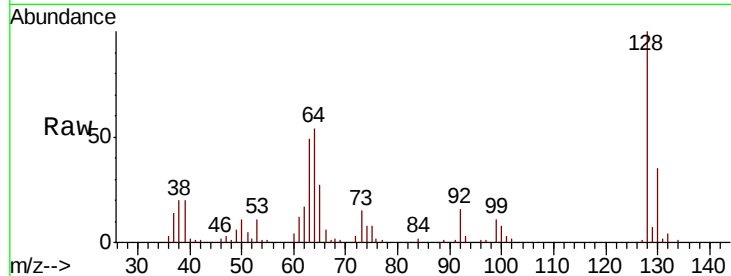




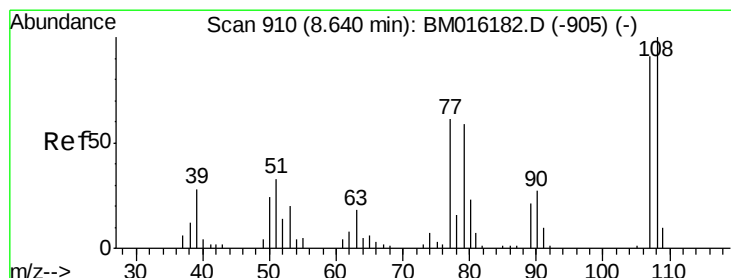
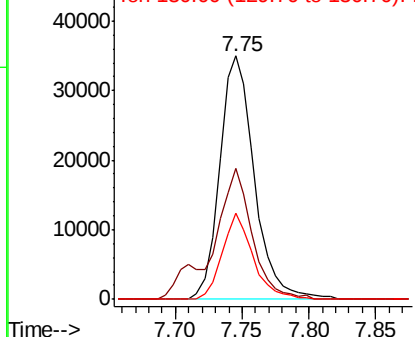
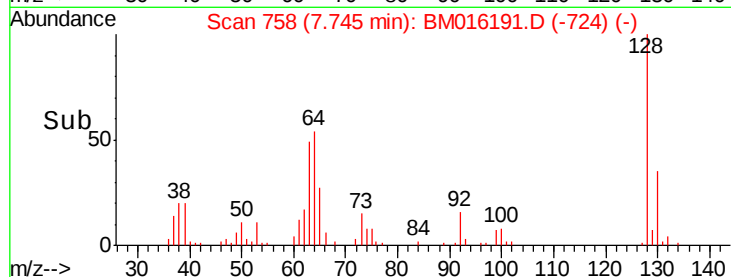
#10  
2-Chlorophenol  
Concen: 19.341 ng/ul  
RT: 7.75 min Scan# 758  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:128 Resp: 63544  
Ion Ratio Lower Upper  
128 100  
64 53.7 31.9 47.9#  
130 35.2 25.6 38.4

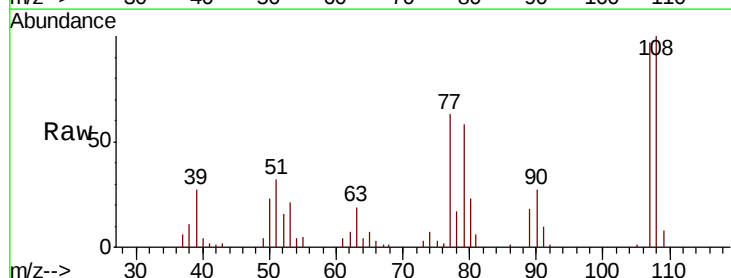


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BM016191.D (-724) (-)  
Ion 130.00 (129.70 to 130.70): E

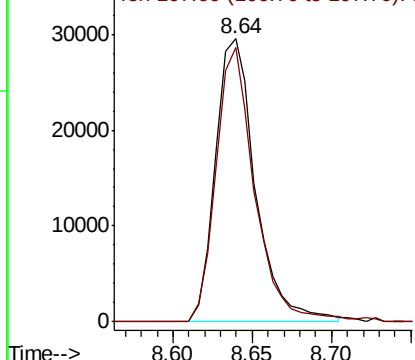
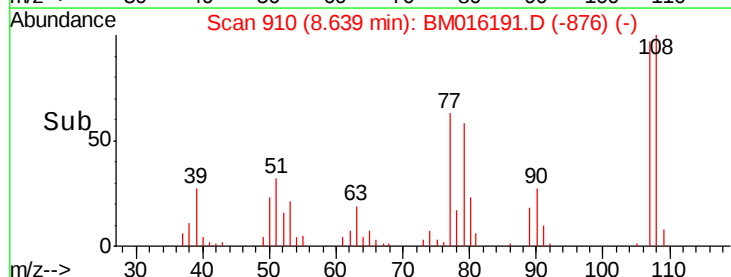


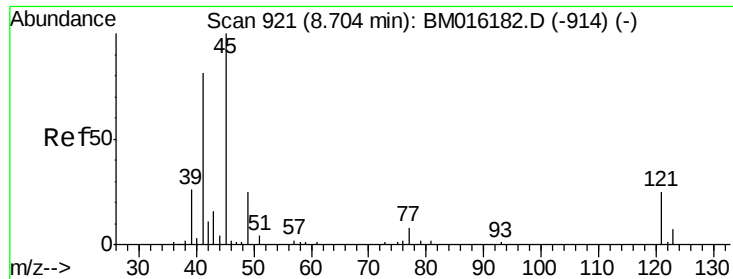
#11  
2-Methylphenol  
Concen: 16.516 ng/ul  
RT: 8.64 min Scan# 910  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion:108 Resp: 51962  
Ion Ratio Lower Upper  
108 100  
107 96.9 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E  
Ion 107.00 (106.70 to 107.70): E

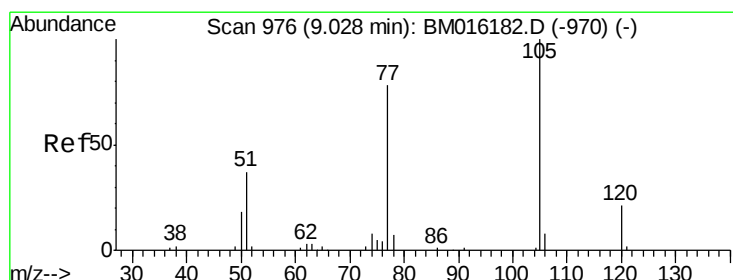
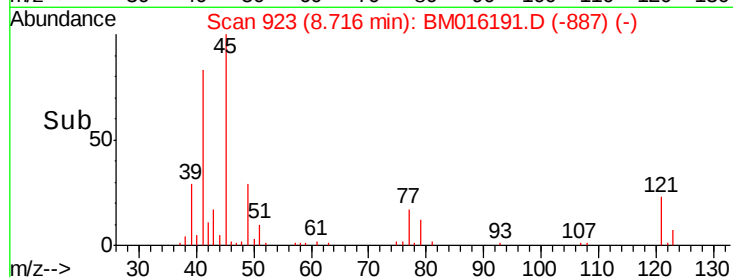
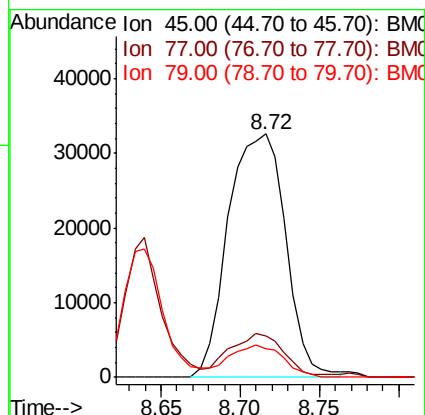
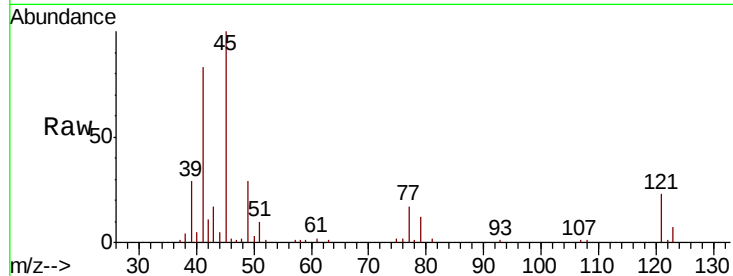




#12  
2,2'-oxvbis(1-Chloropropane)  
Concen: 17.035 ng/ul  
RT: 8.72 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

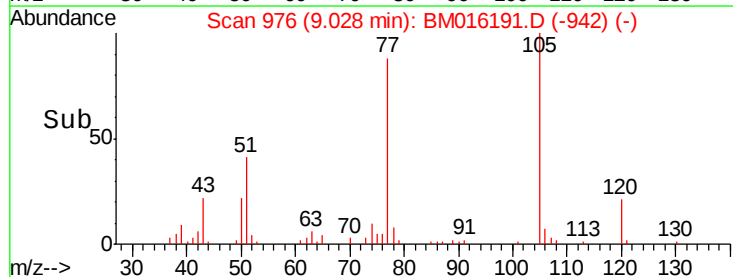
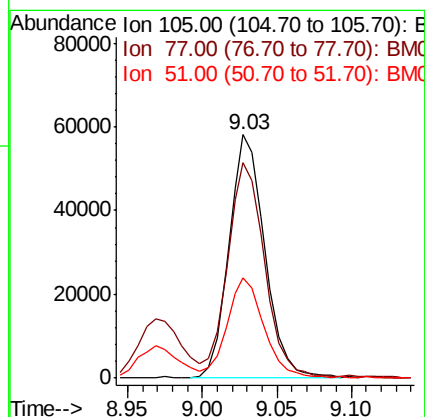
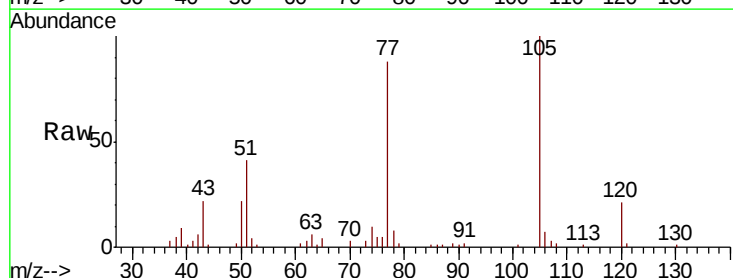
Instrument :  
BNA\_M  
ClientSampleId :

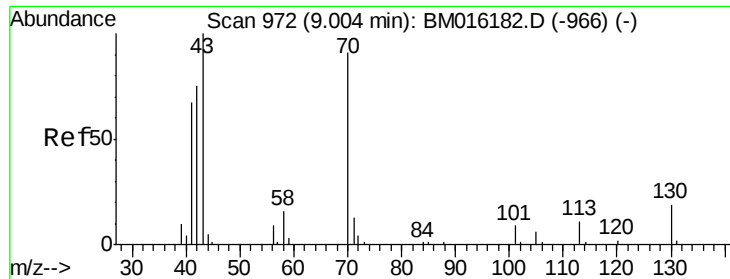
Tot Ion: 45 Resp: 81733  
Ion Ratio Lower Upper  
45 100  
77 16.9 15.9 23.9  
79 11.6 12.5 18.7#



#14  
Acetophenone  
Concen: 16.784 ng/ul  
RT: 9.03 min Scan# 976  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion:105 Resp: 97297  
Ion Ratio Lower Upper  
105 100  
77 88.5 59.0 88.4#  
51 41.3 16.4 24.6#





#15

N-Nitroso-di-n-propylamine

Concen: 16.878 ng/ul

RT: 9.00 min Scan# 971

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 70 Resp: 48944

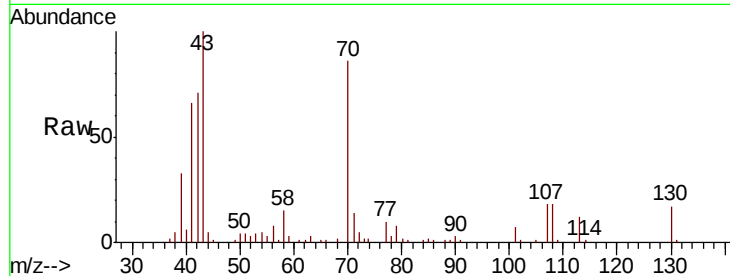
Ion Ratio Lower Upper

70 100

42 82.8 35.4 53.0#

101 8.2 8.4 12.6#

130 19.6 18.2 27.4

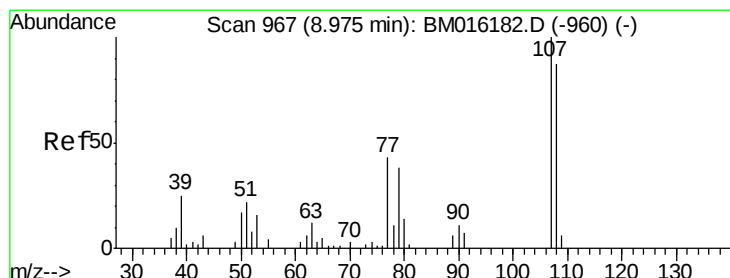
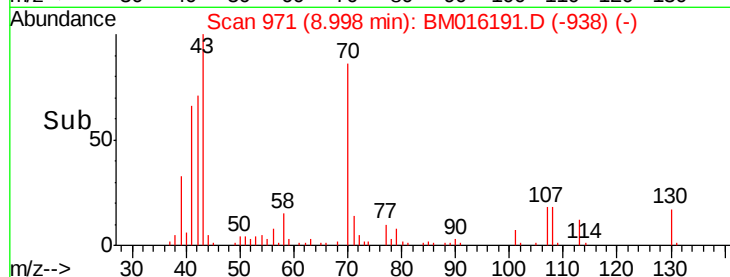
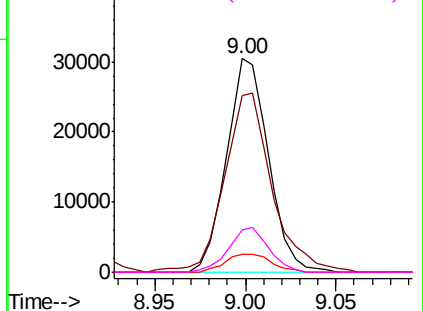


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#16

4-Methylphenol

Concen: 16.334 ng/ul

RT: 8.97 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM016191.D

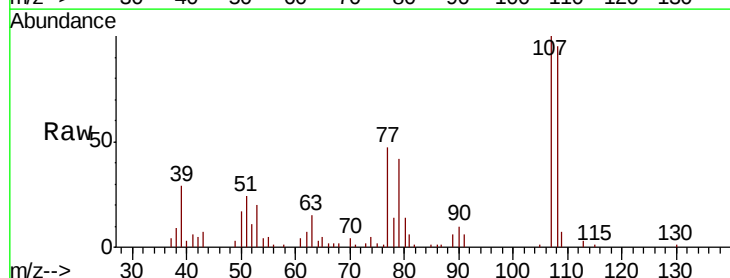
Acq: 03 Aug 2018 22:12

Tgt Ion: 108 Resp: 56753

Ion Ratio Lower Upper

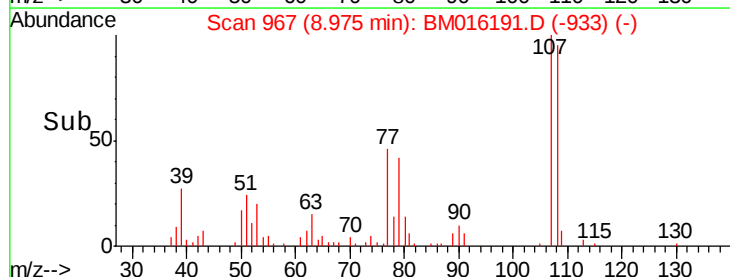
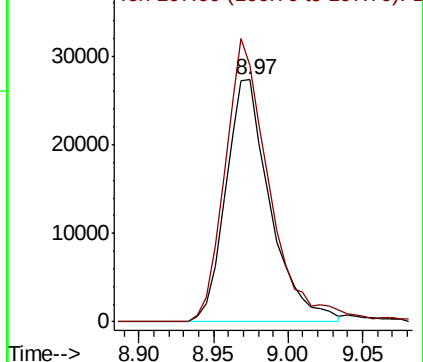
108 100

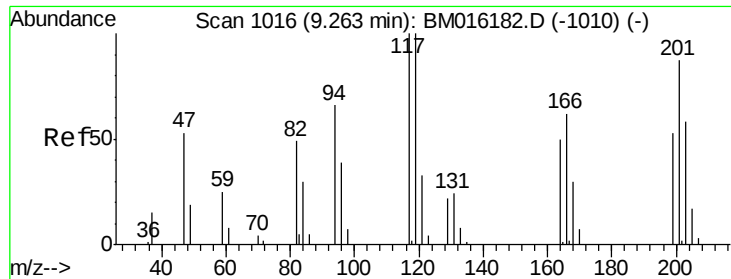
107 105.7 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

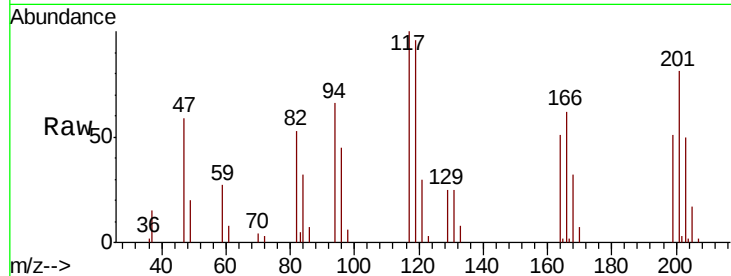




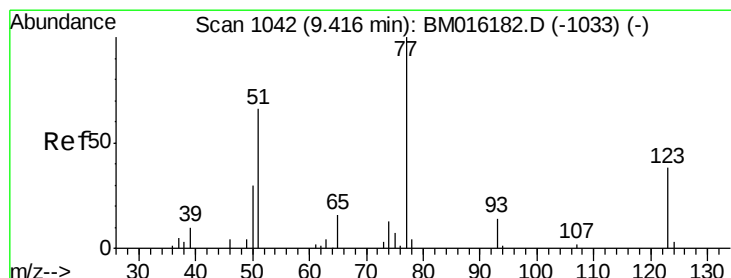
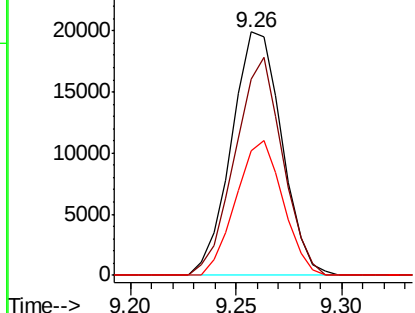
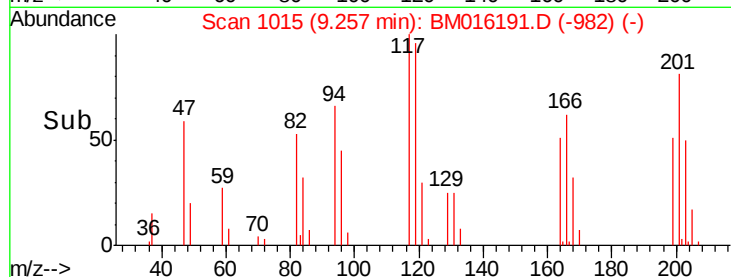
#17  
Hexachloroethane  
Concen: 22.262 ng/ul  
RT: 9.26 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:117 Resp: 32917  
Ion Ratio Lower Upper  
117 100  
201 80.5 81.5 122.3#  
199 51.4 50.6 76.0

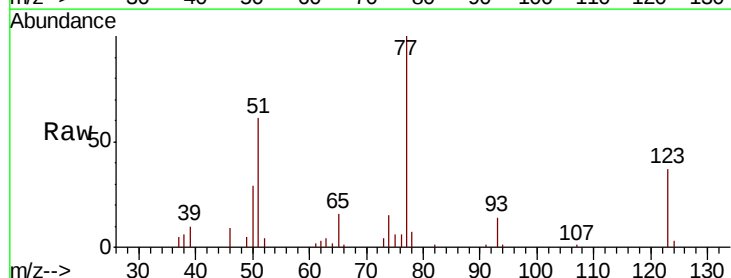


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 201.00 (200.70 to 201.70): E  
Ion 199.00 (198.70 to 199.70): E

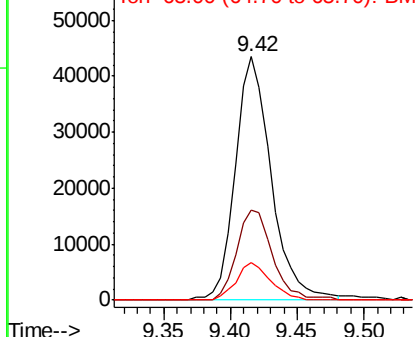
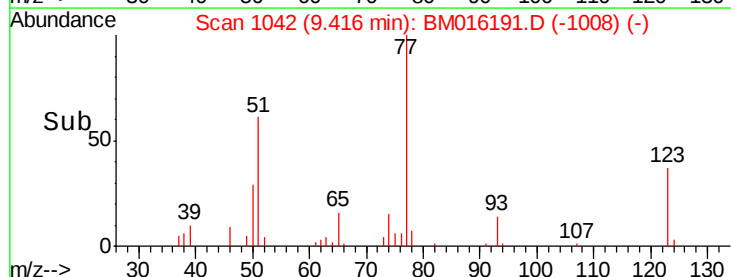


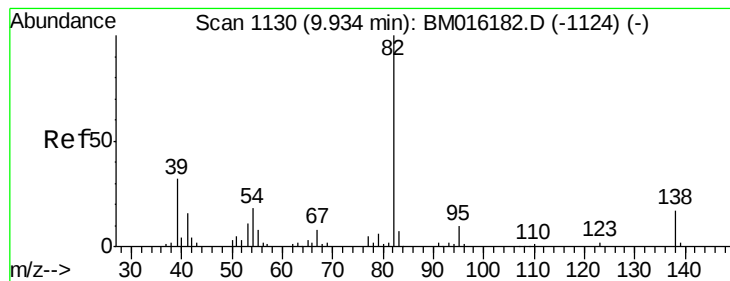
#20  
Nitrobenzene  
Concen: 21.278 ng/ul  
RT: 9.42 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion: 77 Resp: 81224  
Ion Ratio Lower Upper  
77 100  
123 36.7 39.0 58.4#  
65 15.5 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BM0  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 18.838 ng/ul

RT: 9.93 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampled :

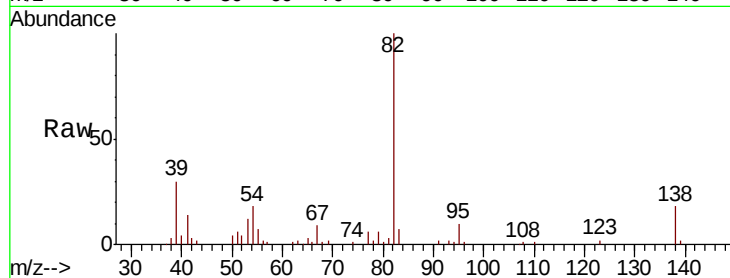
Tot Ion: 82 Resp: 125469

Ion Ratio Lower Upper

82 100

95 10.2 6.4 9.6#

138 18.4 14.9 22.3

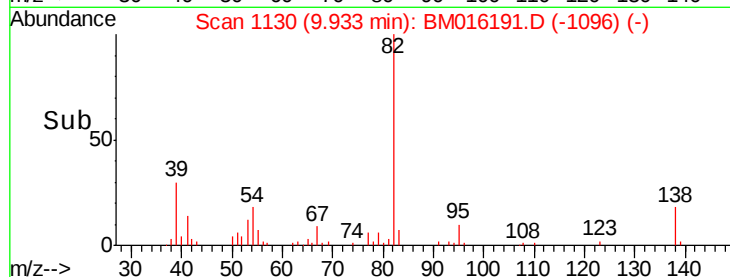


Abundance Ion 82.00 (81.70 to 82.70): BM016182.D (-1124) (-)

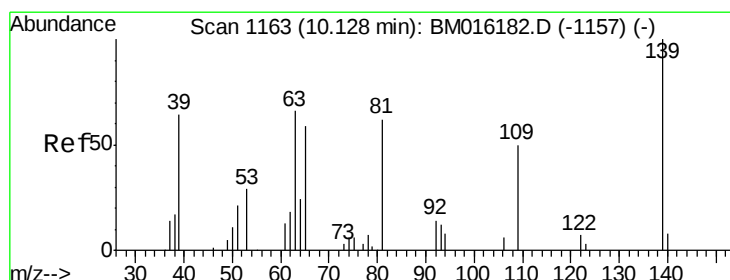
Ion 95.00 (94.70 to 95.70): BM016182.D (-1124) (-)

Ion 138.00 (137.70 to 138.70): BM016182.D (-1124) (-)

Time-->



Time-->



#23

2-Nitrophenol

Concen: 20.928 ng/ul

RT: 10.13 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

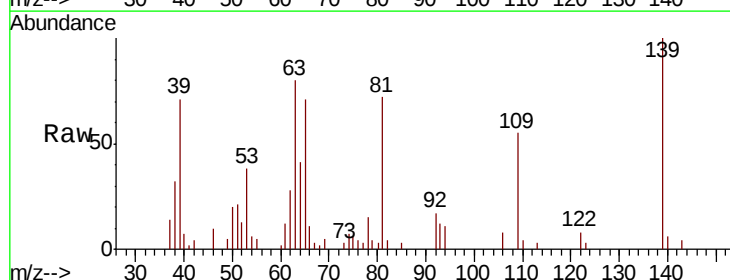
Tgt Ion: 139 Resp: 34488

Ion Ratio Lower Upper

139 100

65 71.0 36.3 54.5#

109 54.9 26.4 39.6#

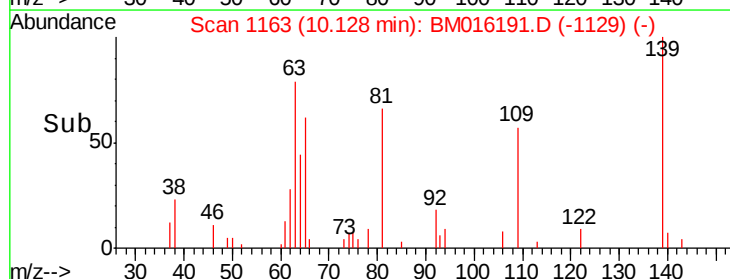


Abundance Ion 139.00 (138.70 to 139.70): BM016182.D (-1157) (-)

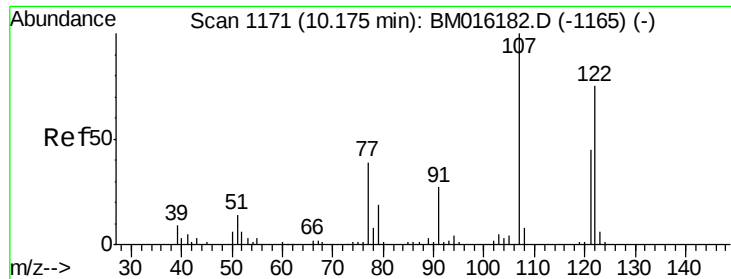
Ion 65.00 (64.70 to 65.70): BM016182.D (-1157) (-)

Ion 109.00 (108.70 to 109.70): BM016182.D (-1157) (-)

Time-->



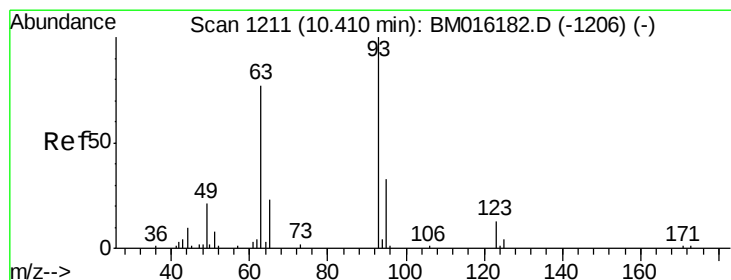
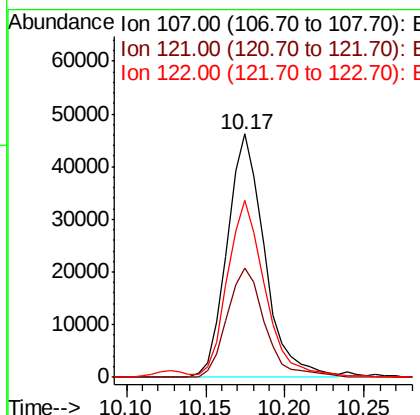
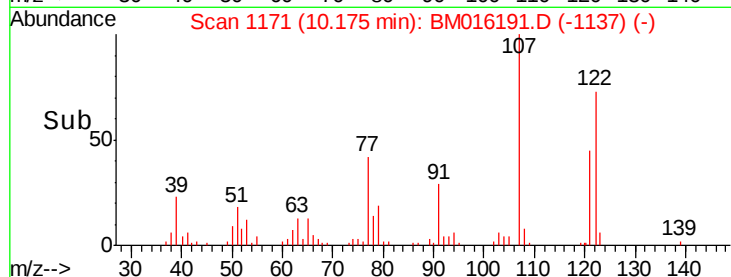
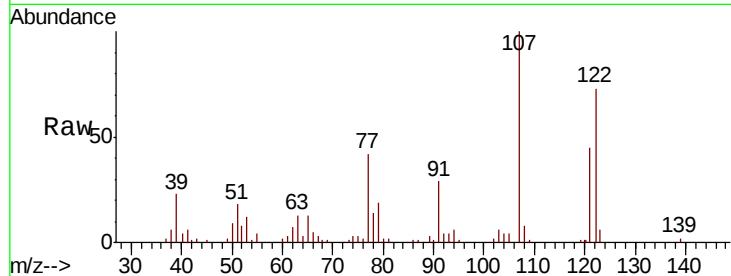
Time-->



#24  
 2,4-Dimethylphenol  
 Concen: 20.168 ng/ul  
 RT: 10.17 min Scan# 1171  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

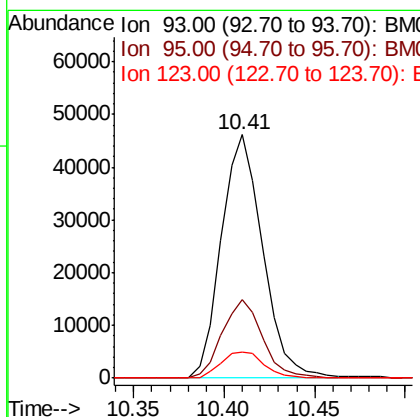
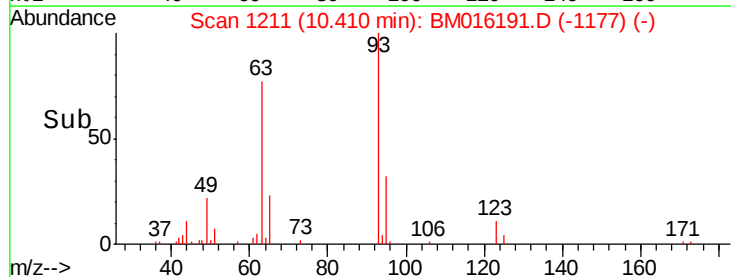
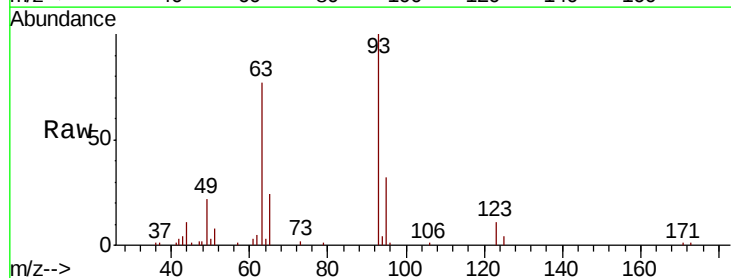
Instrument :  
 BNA\_M  
 ClientSampleId :

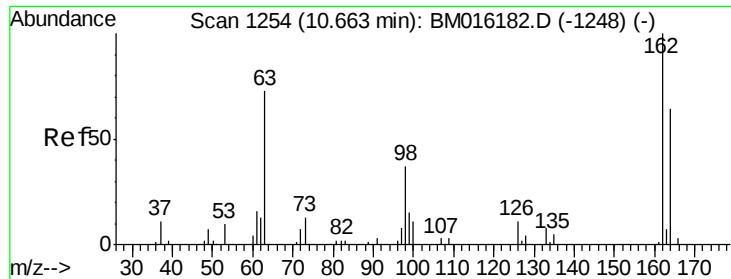
Tot Ion:107 Resp: 76014  
 Ion Ratio Lower Upper  
 107 100  
 121 45.0 40.6 61.0  
 122 72.5 67.8 101.6



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 18.832 ng/ul  
 RT: 10.41 min Scan# 1211  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Tgt Ion: 93 Resp: 72979  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 25.8 38.8  
 123 10.9 9.8 14.8

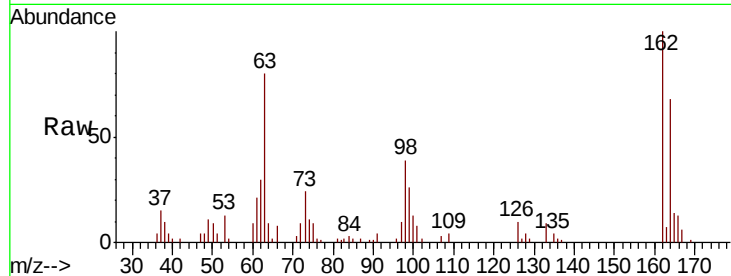




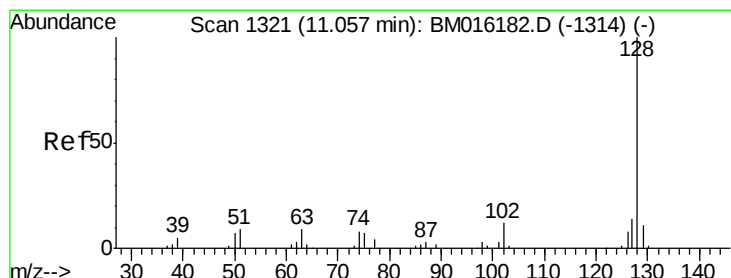
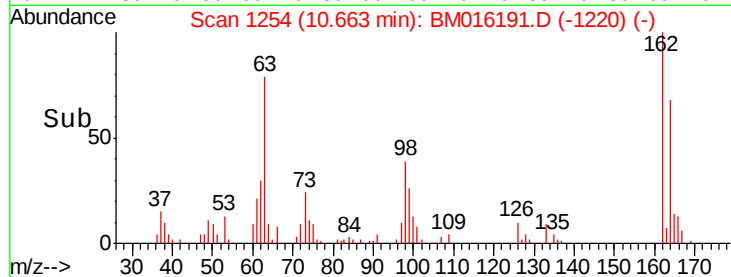
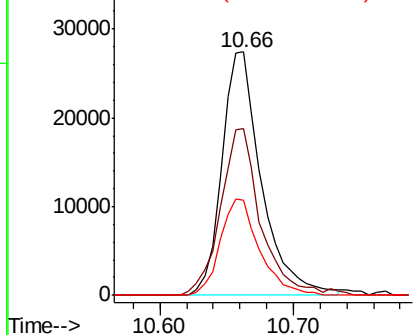
#27  
 2,4-Dichlorophenol  
 Concen: 19.535 ng/ul  
 RT: 10.66 min Scan# 1254  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 68.4  | 52.1  | 78.1  |
| 98      | 39.2  | 28.4  | 42.6  |

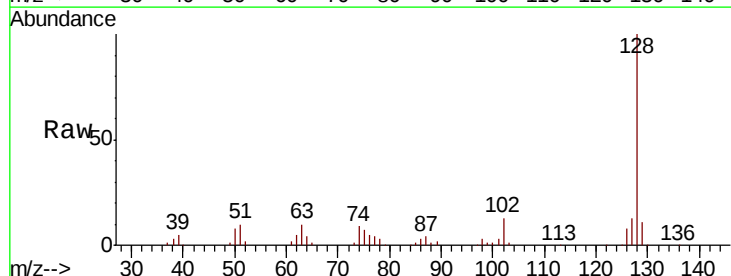


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 98.00 (97.70 to 98.70): BM

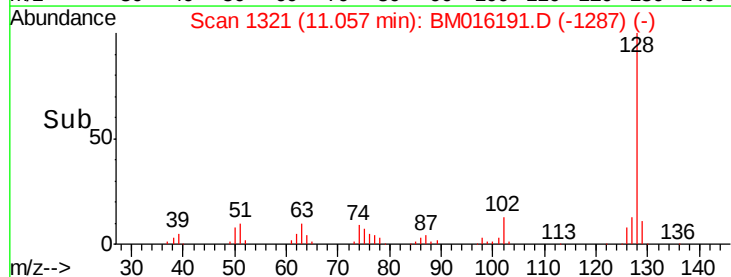
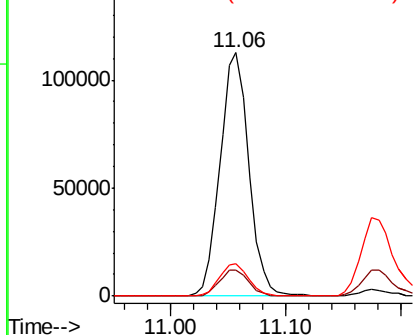


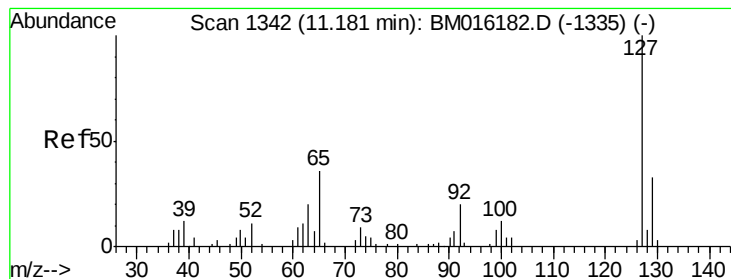
#28  
 Naphthalene  
 Concen: 19.556 ng/ul  
 RT: 11.06 min Scan# 1321  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.8  | 8.8   | 13.2  |
| 127     | 13.5  | 10.5  | 15.7  |



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





#30

4-Chloroaniline

Concen: 20.668 ng/ul

RT: 11.17 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

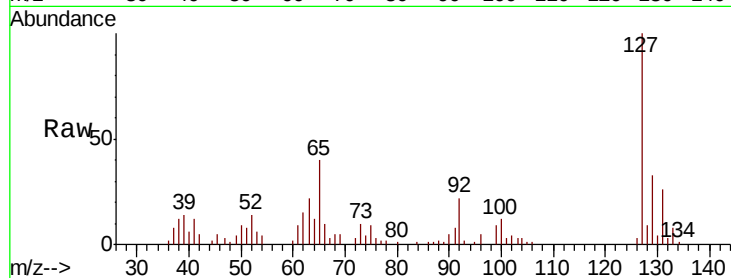
ClientSampleId :

Tot Ion:127 Resp: 74562

Ion Ratio Lower Upper

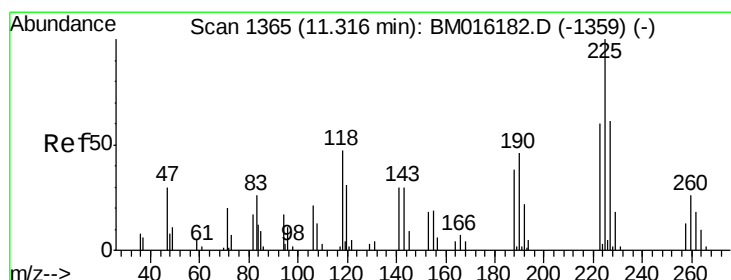
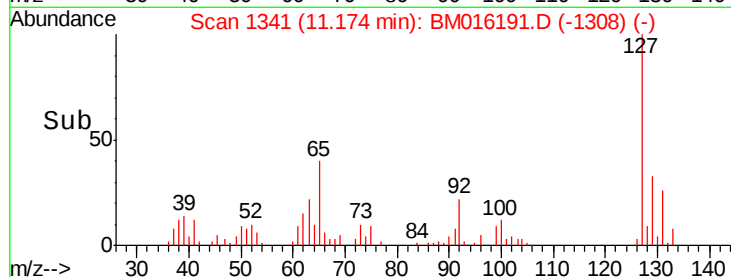
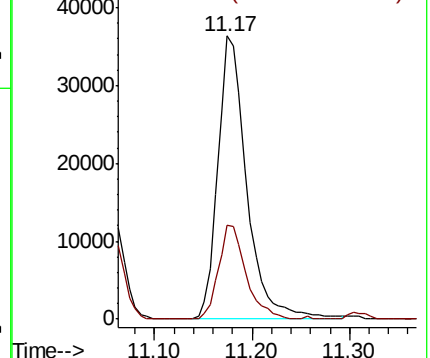
127 100

129 33.0 25.4 38.2



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#31

Hexachlorobutadiene

Concen: 21.071 ng/ul

RT: 11.31 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

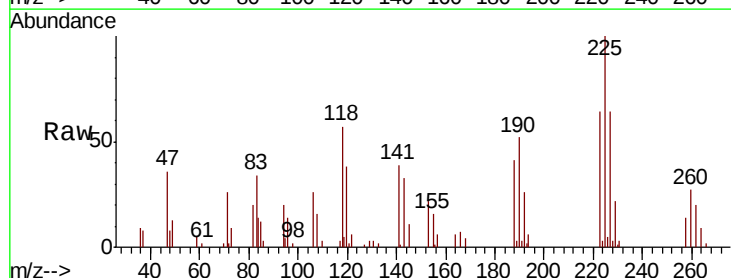
Tgt Ion:225 Resp: 43097

Ion Ratio Lower Upper

225 100

223 63.7 51.4 77.2

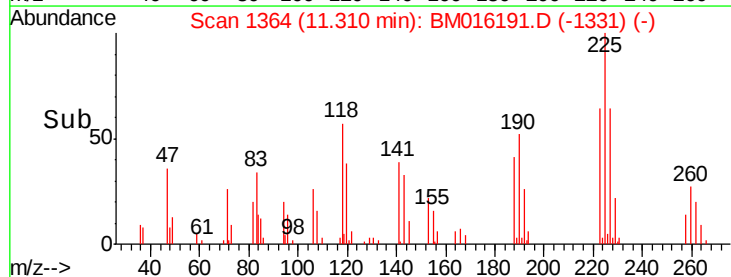
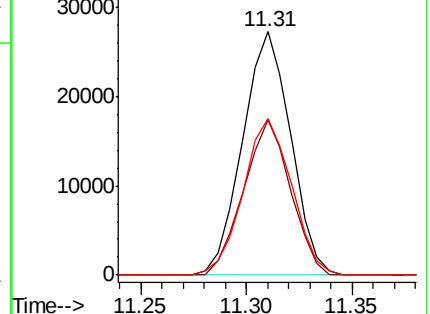
227 64.4 50.7 76.1

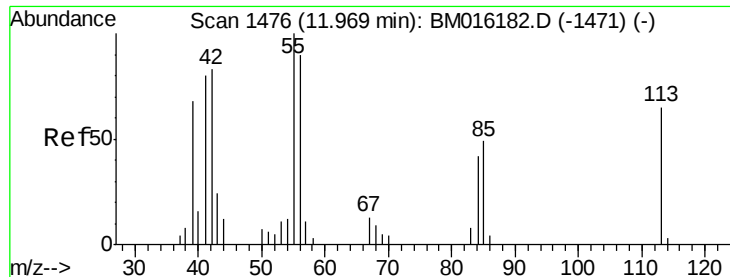


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#32

Caprolactam

Concen: 14.178 ng/ul

RT: 11.97 min Scan# 1476

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

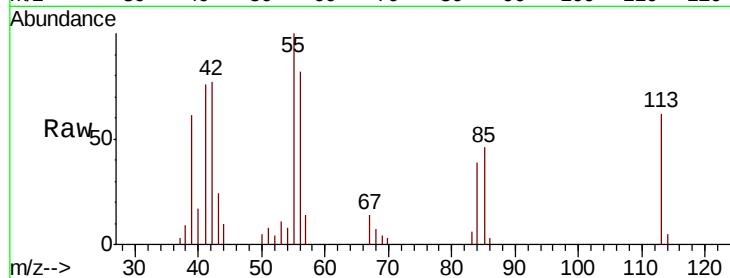
Tot Ion:113 Resp: 13914

Ion Ratio Lower Upper

113 100

55 162.5 101.9 152.9#

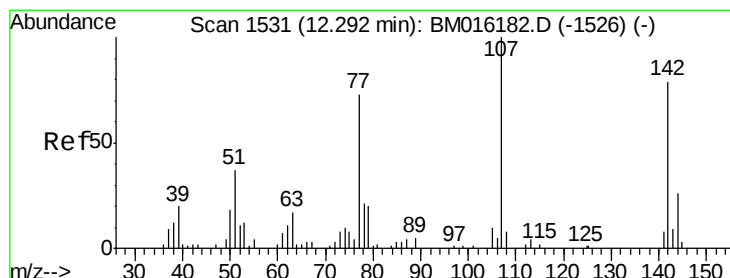
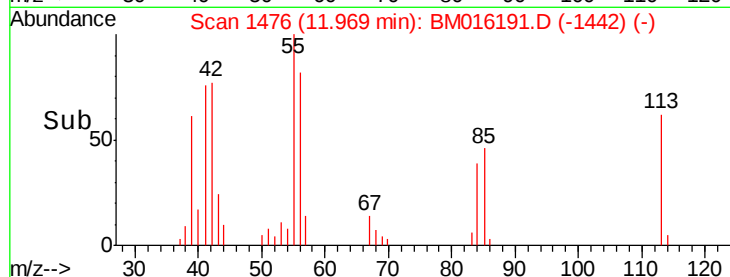
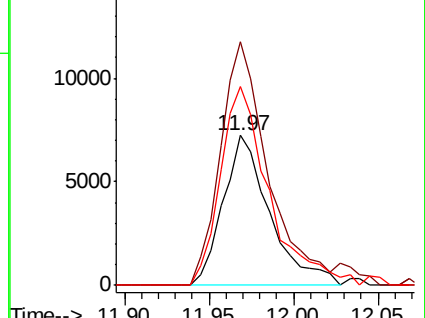
56 132.7 81.2 121.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#33

4-Chloro-3-methylphenol

Concen: 17.342 ng/ul

RT: 12.29 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

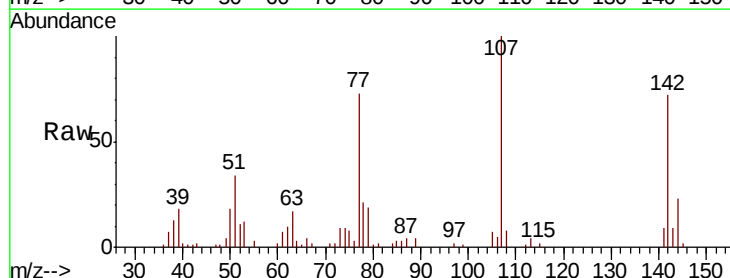
Tgt Ion:107 Resp: 59284

Ion Ratio Lower Upper

107 100

144 23.3 20.4 30.6

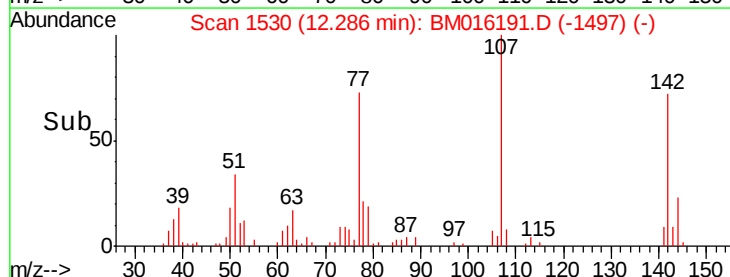
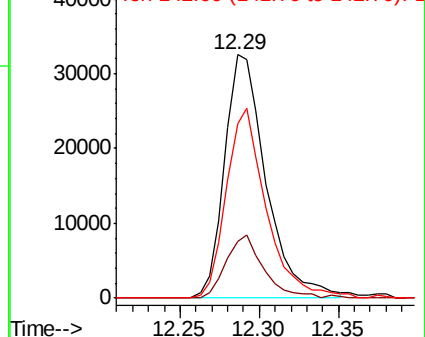
142 71.9 62.5 93.7

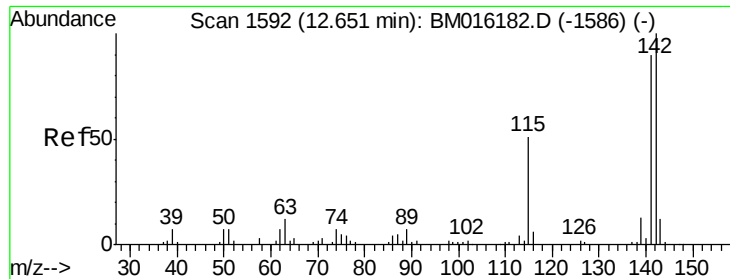


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

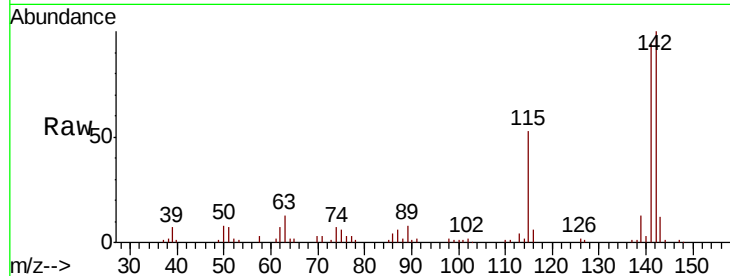




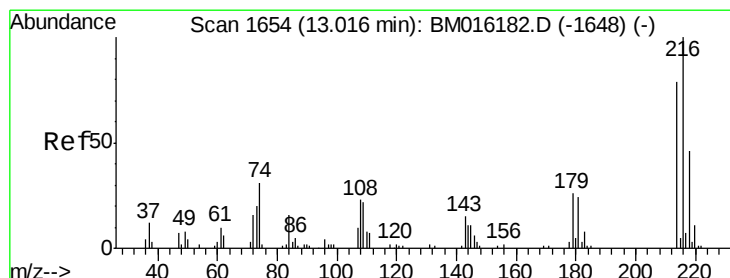
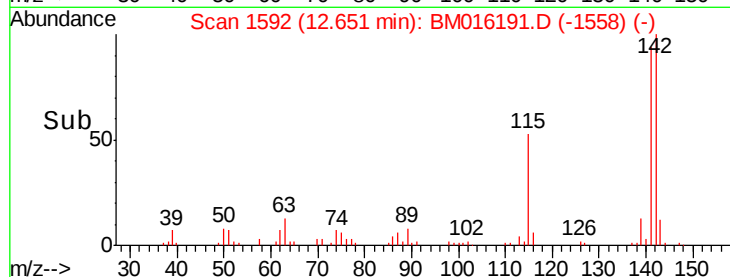
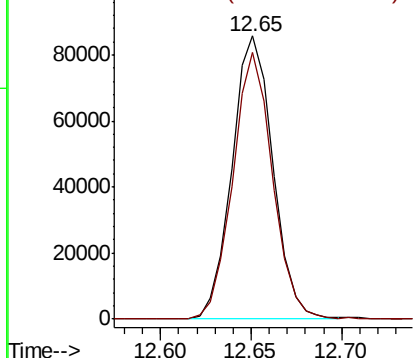
#34  
 2-Methylnaphthalene  
 Concen: 18.176 ng/ul  
 RT: 12.65 min Scan# 1592  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:142 Resp: 134431  
 Ion Ratio Lower Upper  
 142 100  
 141 94.4 71.6 107.4

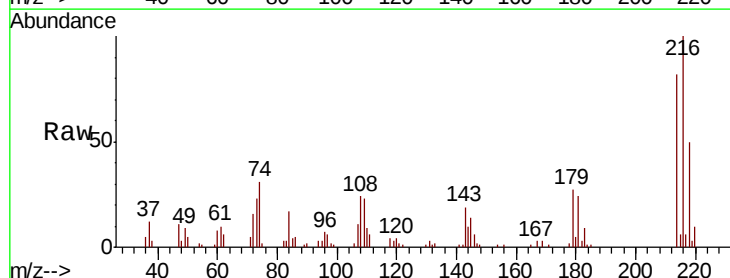


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E

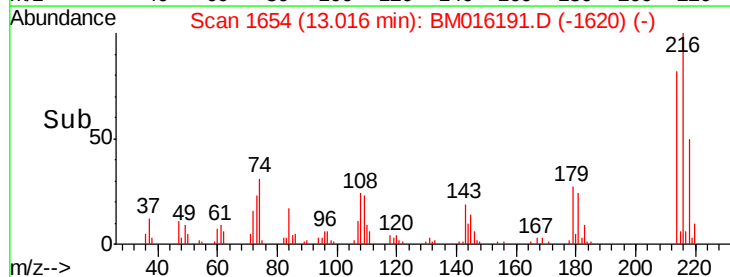
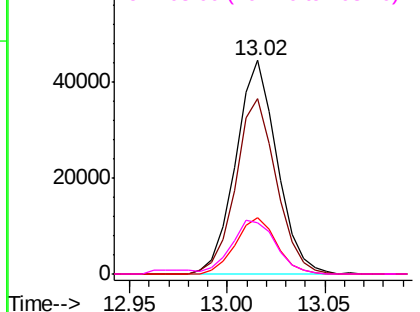


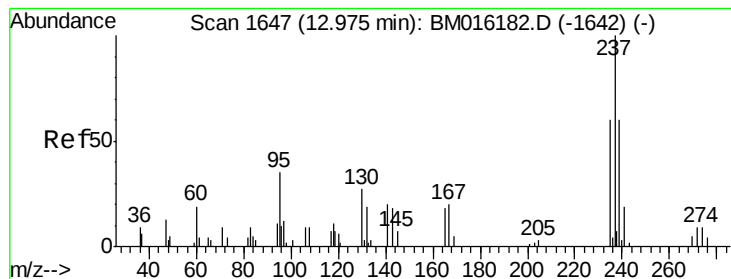
#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 22.185 ng/ul  
 RT: 13.02 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Tgt Ion:216 Resp: 65112  
 Ion Ratio Lower Upper  
 216 100  
 214 81.9 62.5 93.7  
 179 26.6 18.2 27.2  
 108 23.7 14.2 21.2#



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





#37

Hexachlorocyclopentadiene

Concen: 13.182 ng/ul

RT: 12.97 min Scan# 1647

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

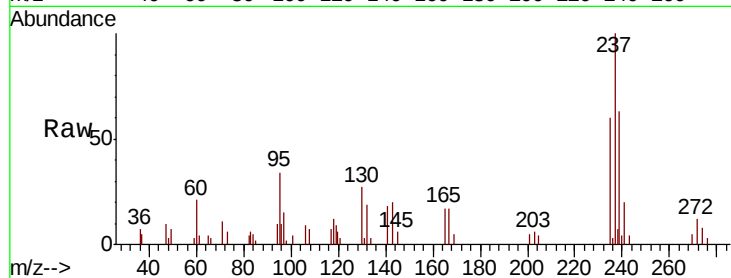
Tot Ion:237 Resp: 18342

Ion Ratio Lower Upper

237 100

235 59.9 50.4 75.6

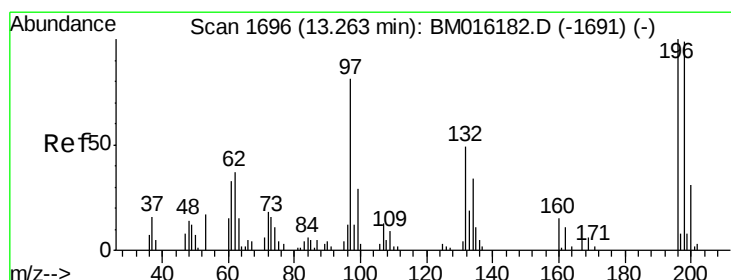
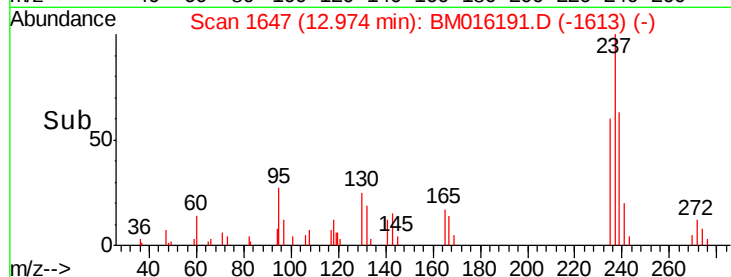
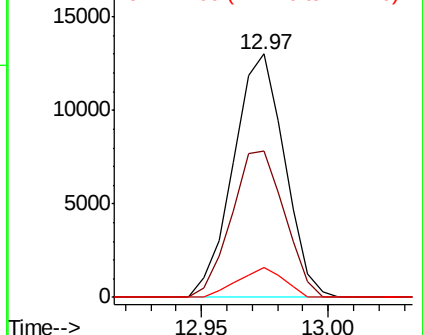
272 12.4 9.6 14.4



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#38

2,4,6-Trichlorophenol

Concen: 21.934 ng/ul

RT: 13.26 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

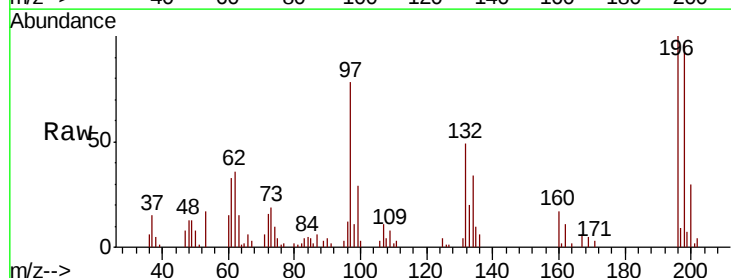
Tgt Ion:196 Resp: 41567

Ion Ratio Lower Upper

196 100

198 96.7 76.6 114.8

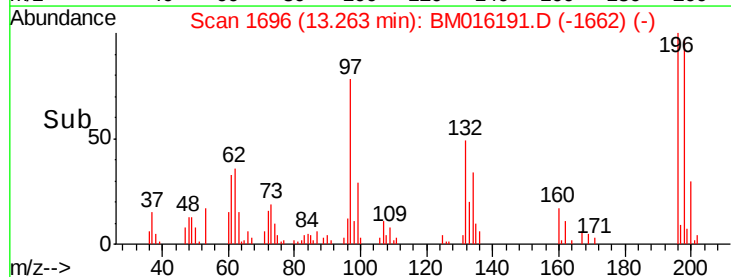
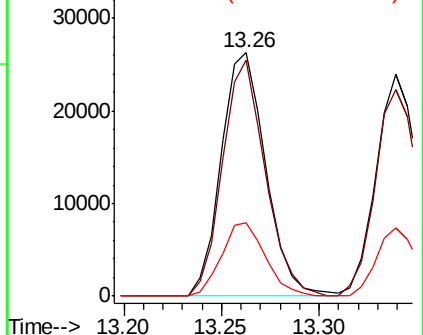
200 29.9 24.7 37.1

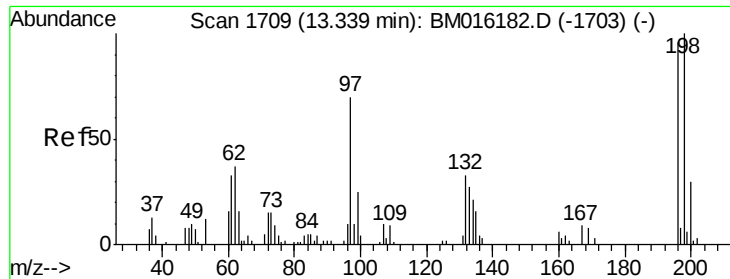


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

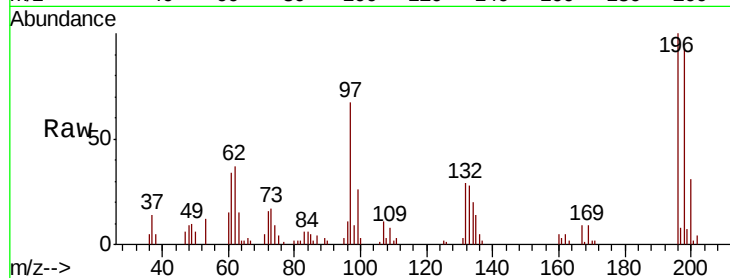




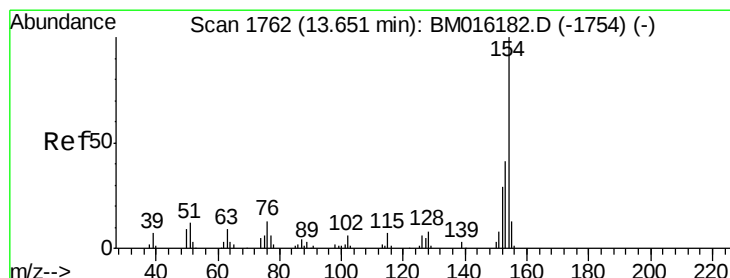
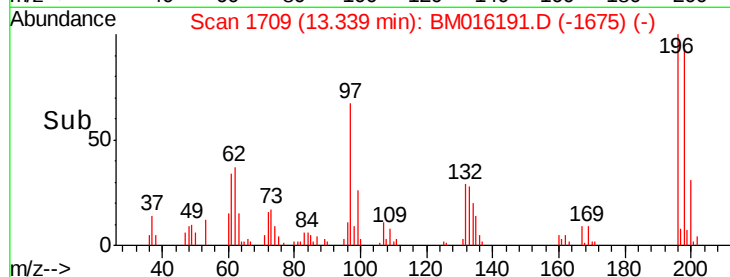
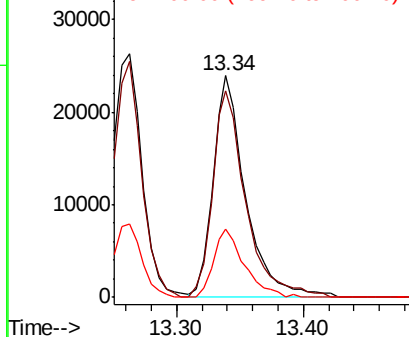
#39  
 2,4,5-Trichlorophenol  
 Concen: 21.179 ng/ul  
 RT: 13.34 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:196 Resp: 42641  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 76.9 115.3  
 200 30.7 25.0 37.4

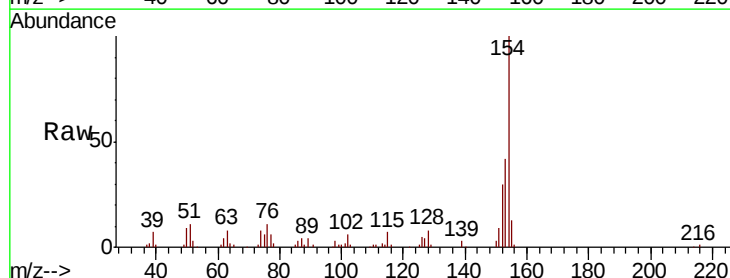


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

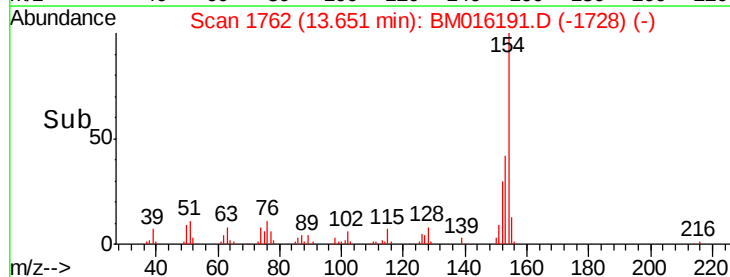
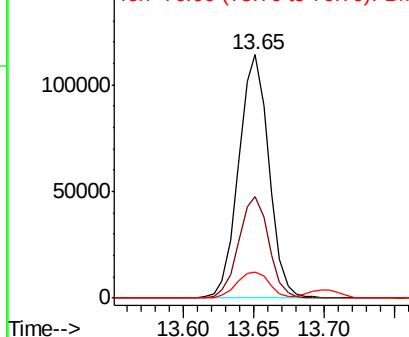


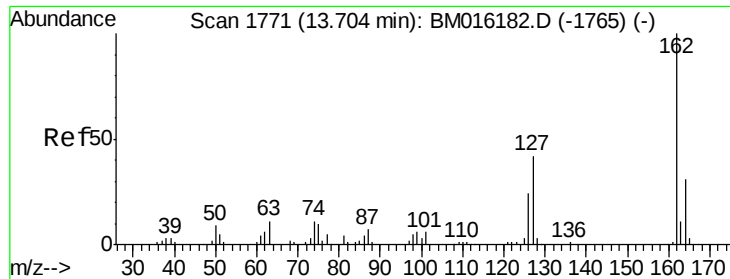
#40  
 1,1'-Biphenyl  
 Concen: 21.407 ng/ul  
 RT: 13.65 min Scan# 1762  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Tgt Ion:154 Resp: 171423  
 Ion Ratio Lower Upper  
 154 100  
 153 41.6 32.1 48.1  
 76 10.8 9.5 14.3



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

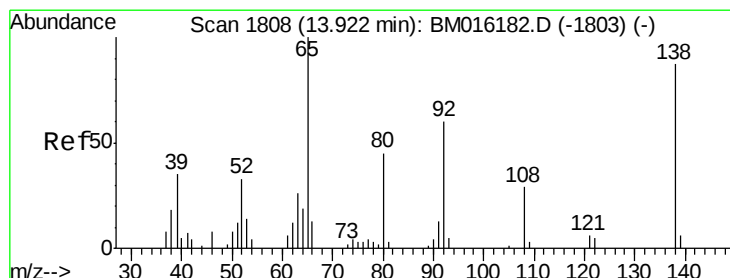
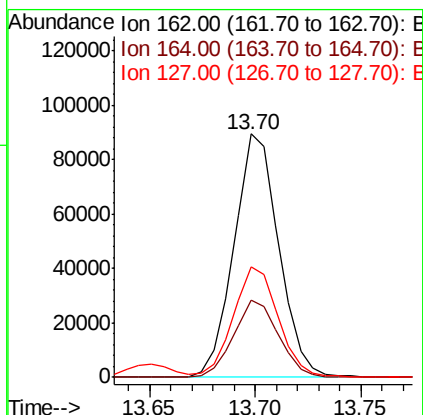
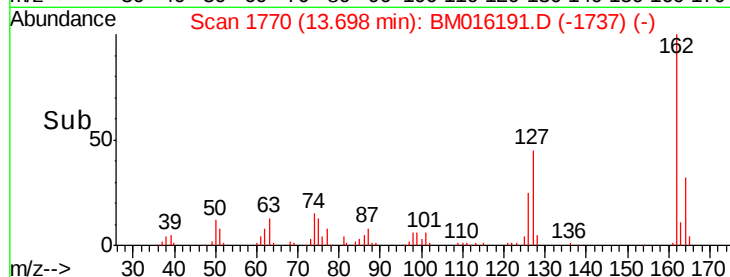
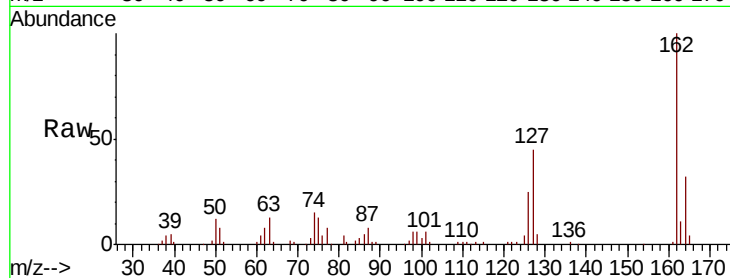




#41  
 2-Chloronaphthalene  
 Concen: 21.274 ng/ul  
 RT: 13.70 min Scan# 1770  
 Delta R.T. -0.01 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

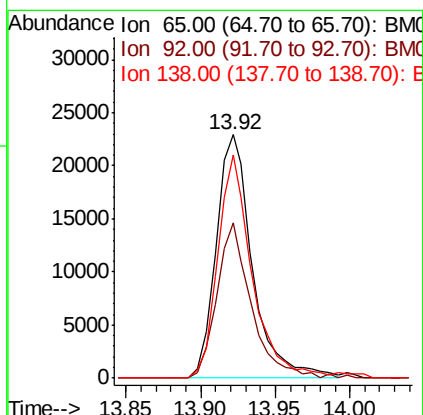
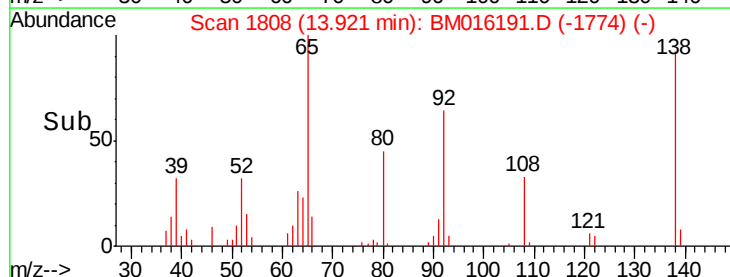
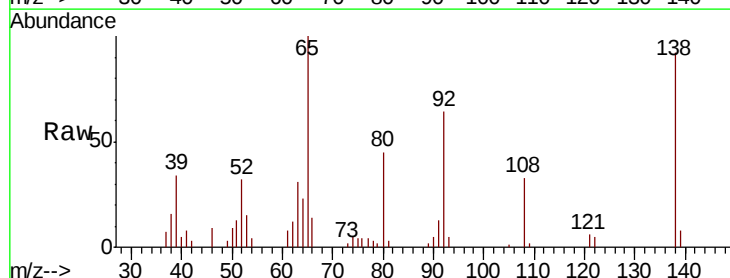
Instrument :  
 BNA\_M  
 ClientSampled :

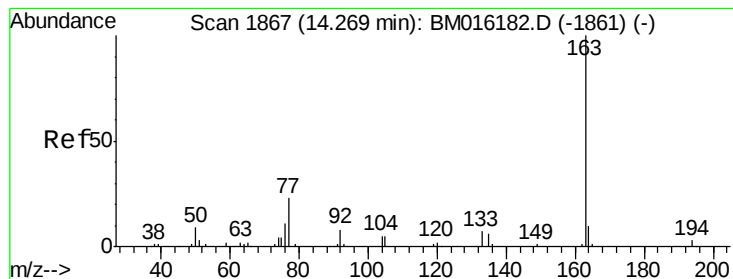
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 31.8  | 25.9  | 38.9  |
| 127     | 45.4  | 34.1  | 51.1  |



#42  
 2-Nitroaniline  
 Concen: 19.742 ng/ul  
 RT: 13.92 min Scan# 1808  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 64.0  | 60.4  | 90.6   |
| 138     | 91.9  | 99.8  | 149.6# |





#44

Dimethylphthalate

Concen: 19.318 ng/ul

RT: 14.27 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

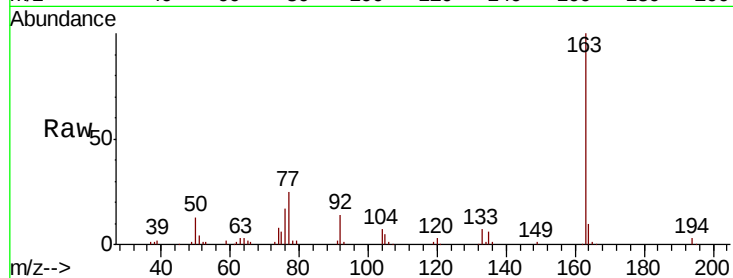
Tot Ion:163 Resp: 164900

Ion Ratio Lower Upper

163 100

194 3.3 3.2 4.8

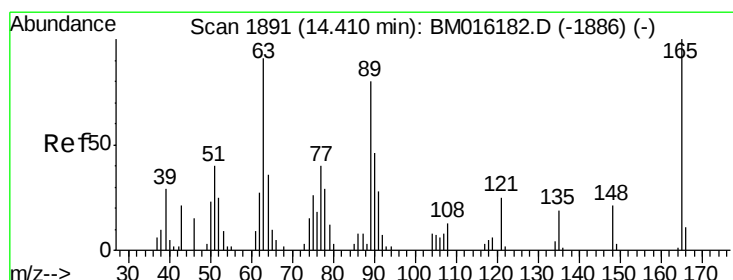
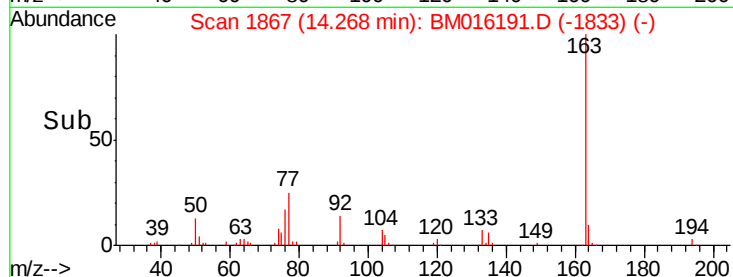
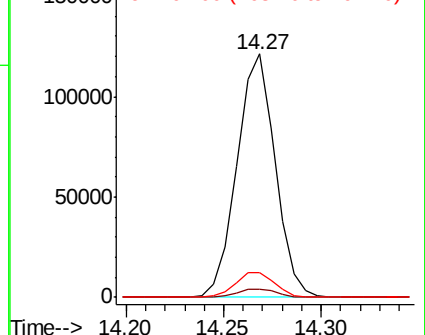
164 10.2 7.8 11.8



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



#45

2,6-Dinitrotoluene

Concen: 19.414 ng/ul

RT: 14.41 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

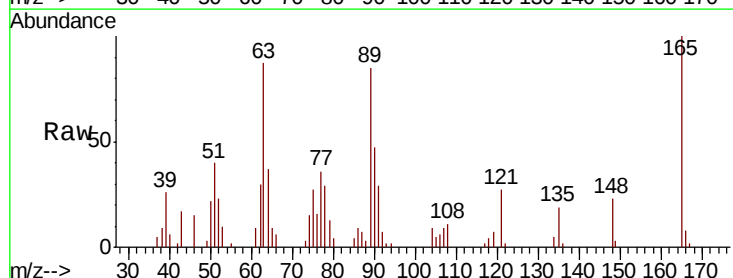
Tgt Ion:165 Resp: 29612

Ion Ratio Lower Upper

165 100

89 85.2 42.4 63.6#

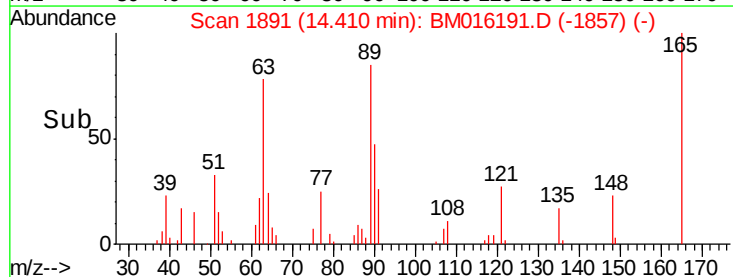
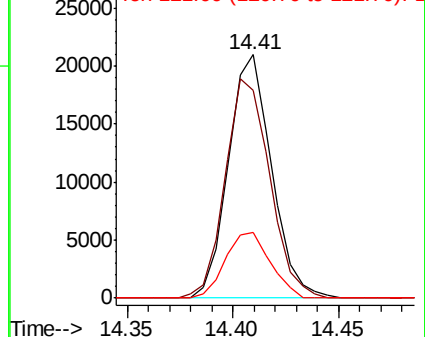
121 27.2 16.6 24.8#

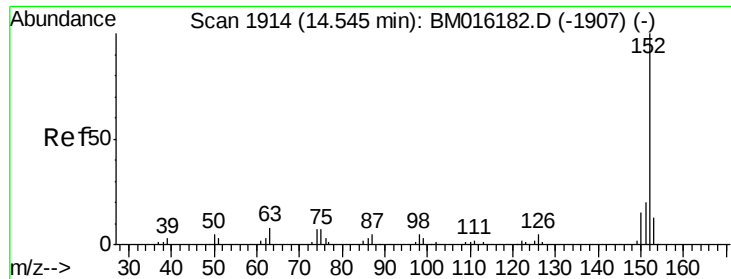


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM0

Ion 121.00 (120.70 to 121.70): E





#47

Acenaphthylene

Concen: 20.474 ng/ul

RT: 14.54 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

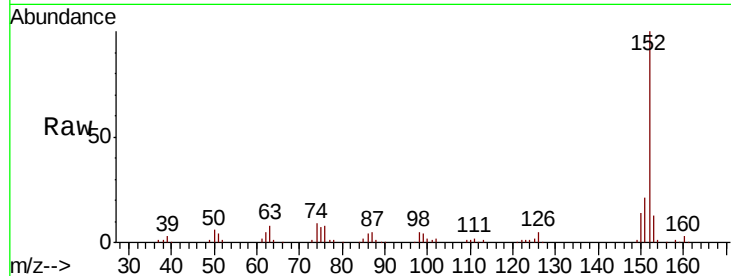
Tot Ion:152 Resp: 197128

Ion Ratio Lower Upper

152 100

151 21.1 15.7 23.5

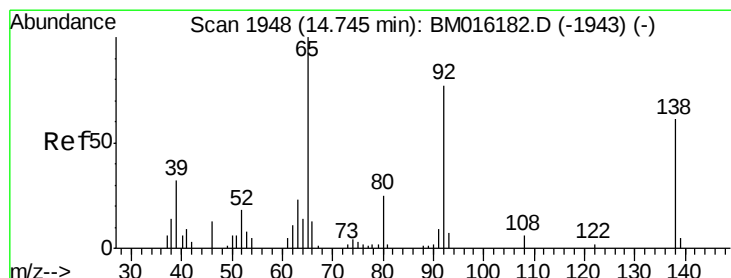
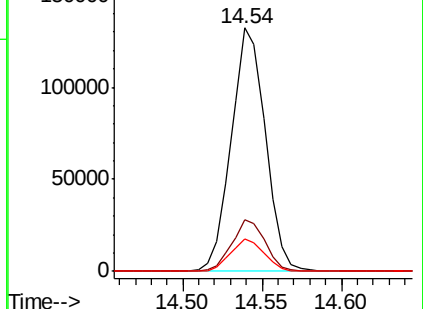
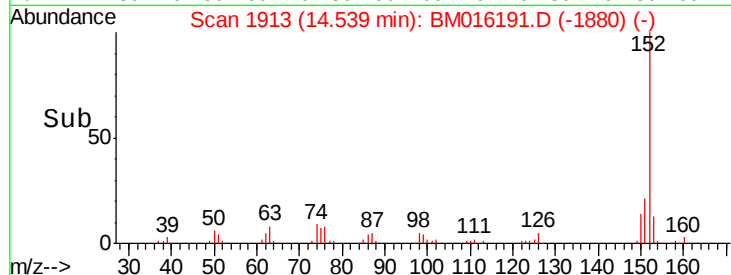
153 13.5 10.5 15.7



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



#48

3-Nitroaniline

Concen: 17.244 ng/ul

RT: 14.74 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

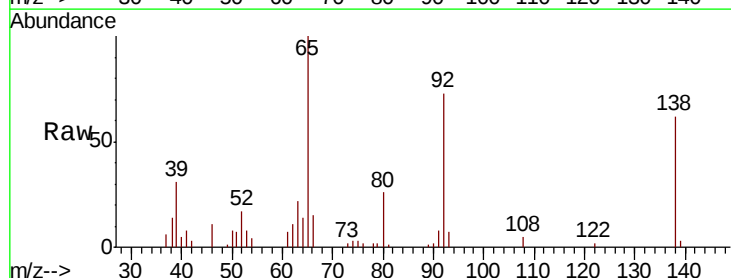
Tgt Ion:138 Resp: 27082

Ion Ratio Lower Upper

138 100

108 8.8 8.7 13.1

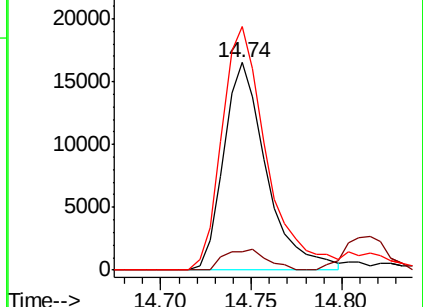
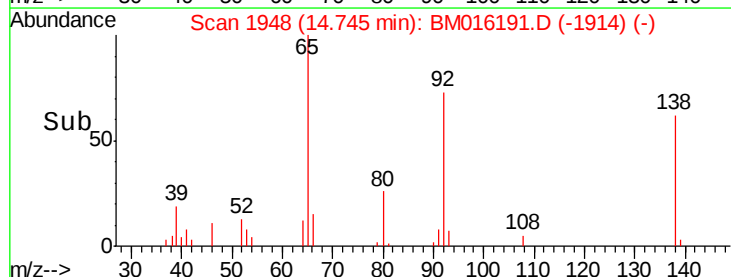
92 117.3 88.2 132.4

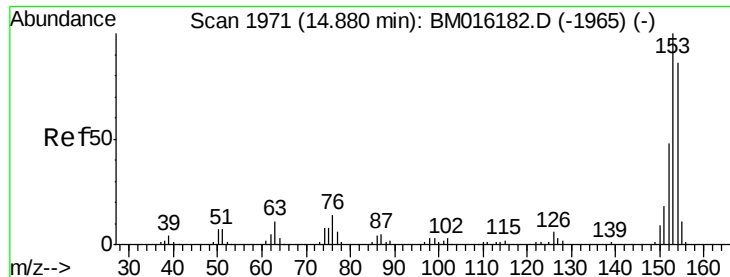


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#49

Acenaphthene

Concen: 20.143 ng/ul

RT: 14.88 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

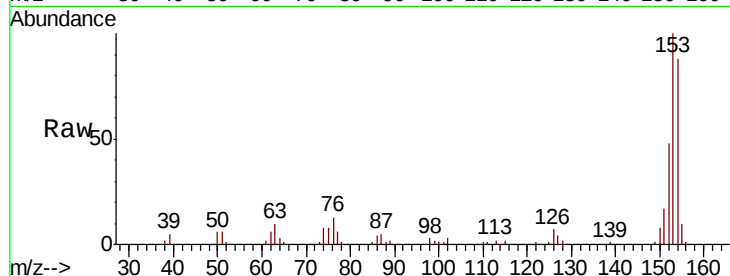
Tot Ion:153 Resp: 140855

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

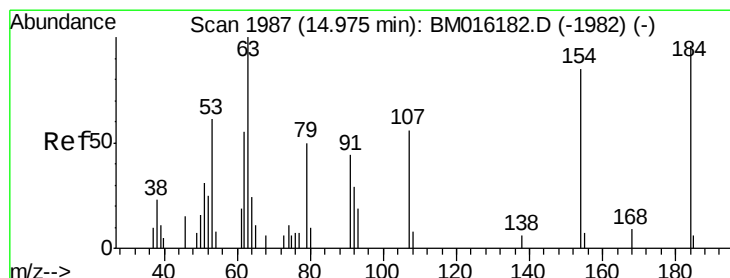
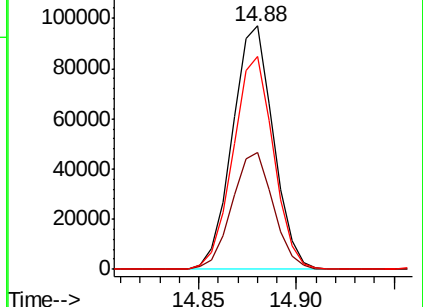
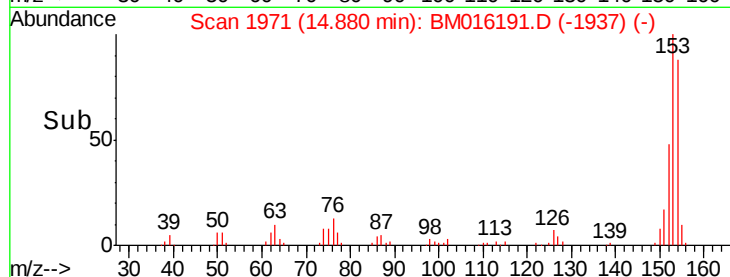
154 87.6 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 11.605 ng/ul

RT: 14.97 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

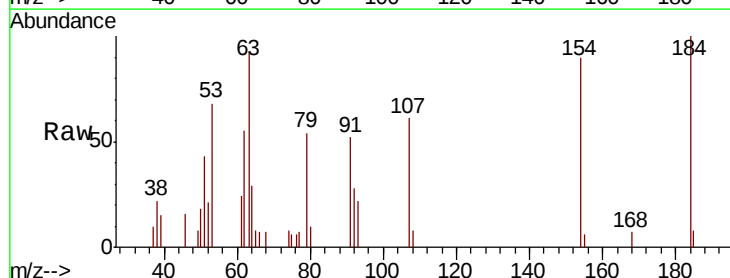
Tgt Ion:184 Resp: 9781

Ion Ratio Lower Upper

184 100

63 92.6 76.0 114.0

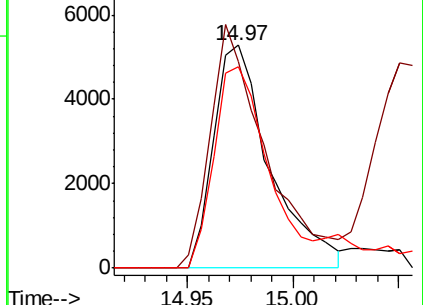
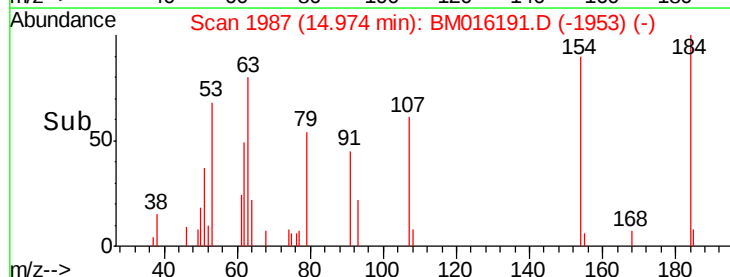
154 90.4 300.0 450.0#

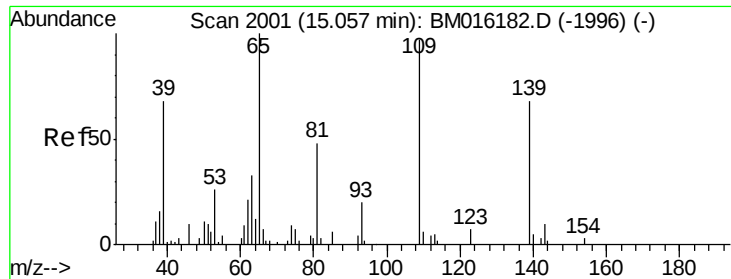


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E

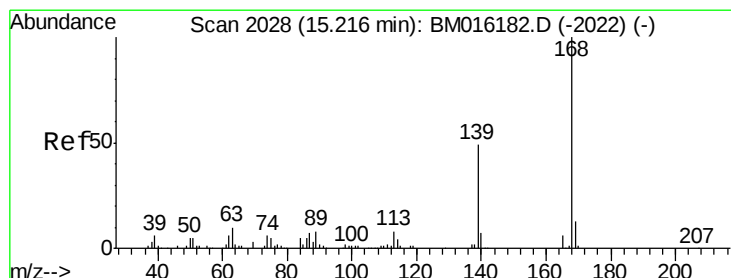
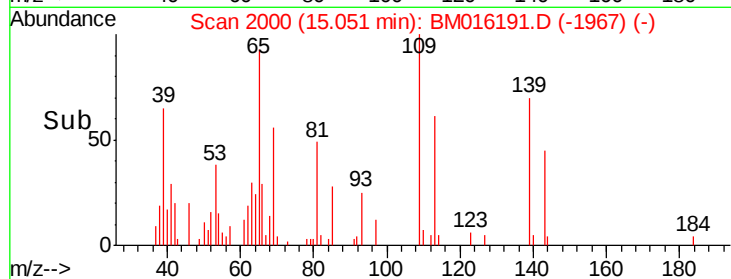
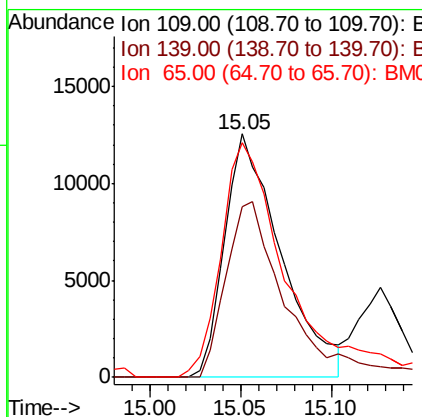
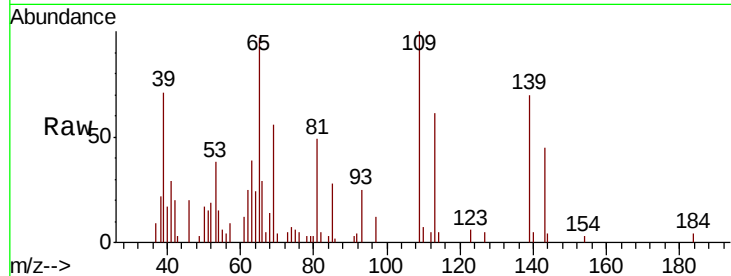




#52  
4-Nitrophenol  
Concen: 15.224 ng/ul  
RT: 15.05 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

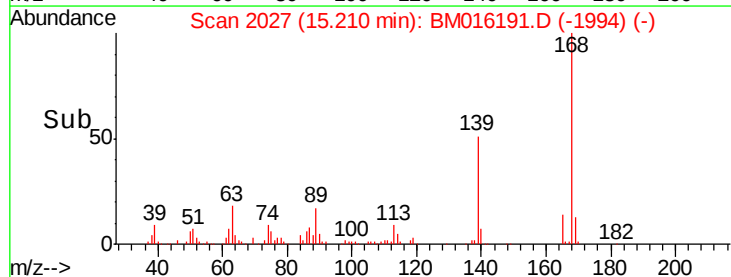
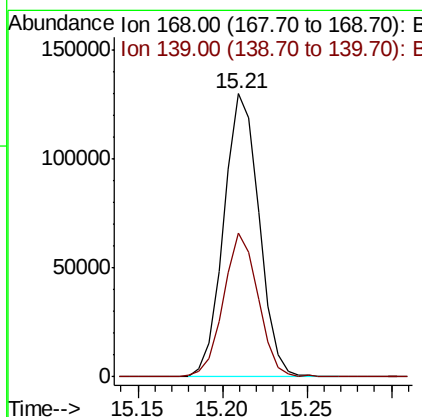
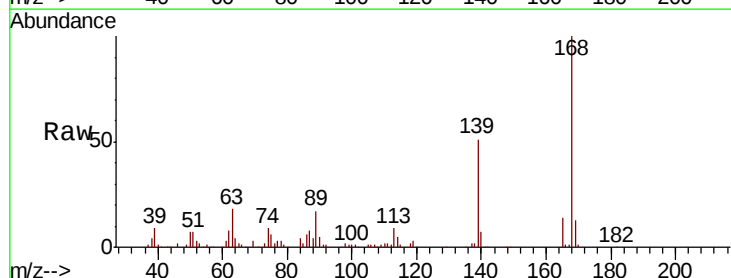
Instrument :  
BNA\_M  
ClientSampleId :

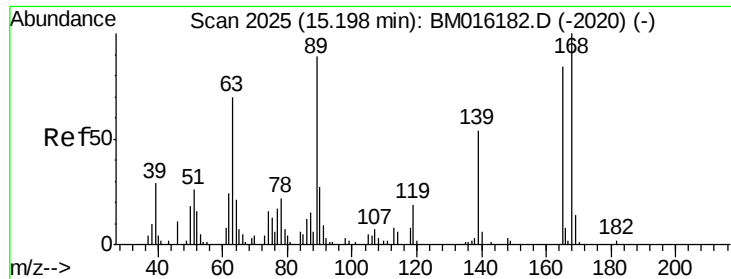
Tot Ion:109 Resp: 27106  
Ion Ratio Lower Upper  
109 100  
139 70.2 103.7 155.5#  
65 96.5 89.4 134.2



#53  
Dibenzofuran  
Concen: 18.984 ng/ul  
RT: 15.21 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion:168 Resp: 189439  
Ion Ratio Lower Upper  
168 100  
139 51.0 32.2 48.2#

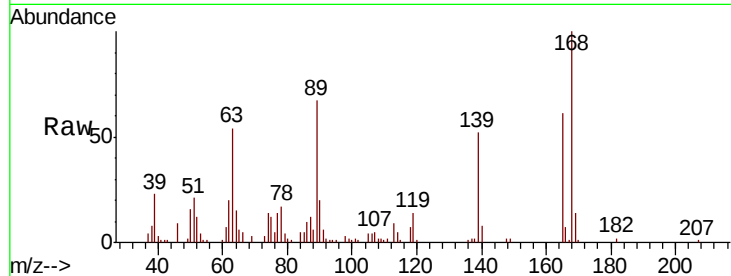




#54  
2,4-Dinitrotoluene  
Concen: 17.555 ng/ul  
RT: 15.20 min Scan# 2025  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 88.1  | 29.8  | 44.6# |
| 182     | 3.0   | 2.2   | 3.4   |

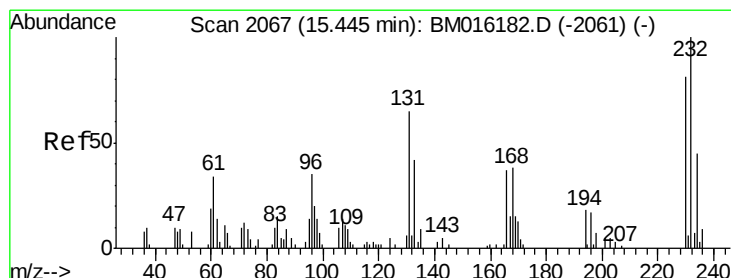
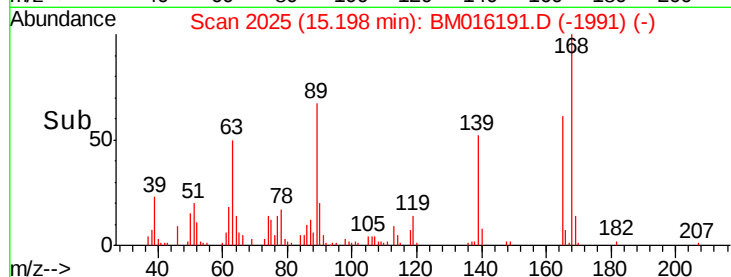
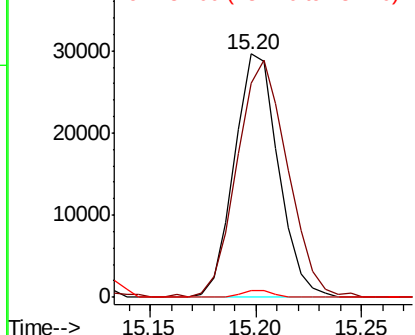


Abundance

Ion 165.00 (164.70 to 165.70): E

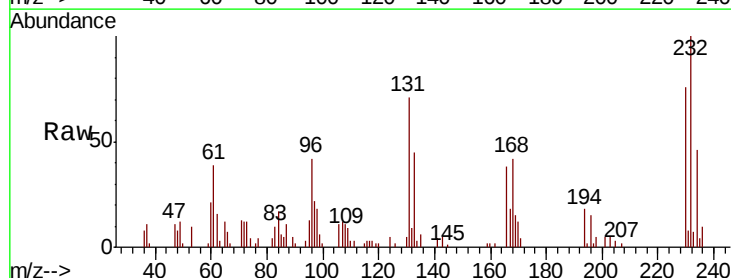
Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#55  
2,3,4,6-Tetrachlorophenol  
Concen: 17.453 ng/ul  
RT: 15.44 min Scan# 2066  
Delta R.T. -0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 71.0  | 39.4  | 59.2# |
| 130     | 4.6   | 2.2   | 3.2#  |
| 166     | 38.1  | 26.6  | 39.8  |



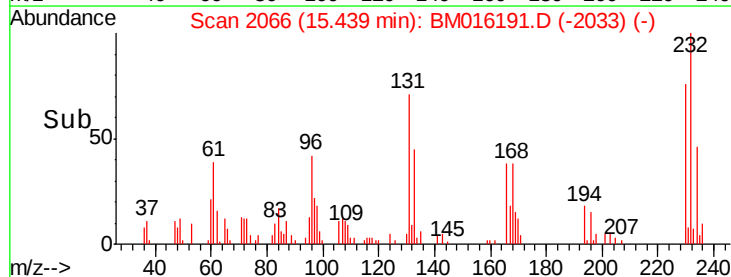
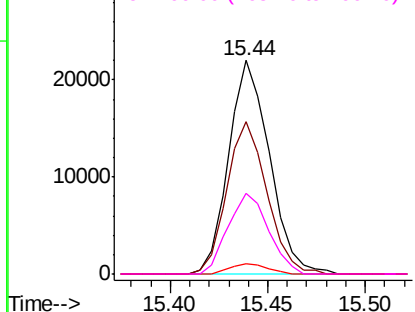
Abundance

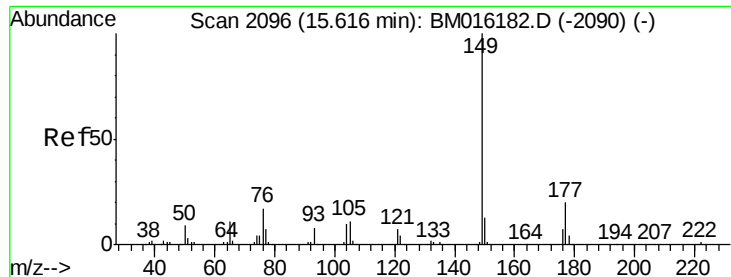
Ion 232.00 (231.70 to 232.70): E

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

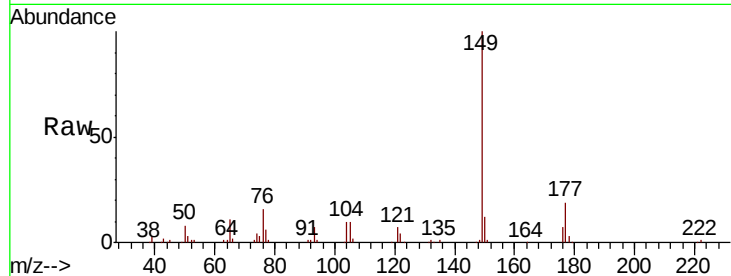




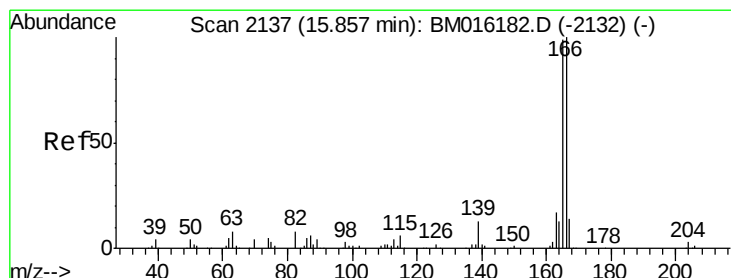
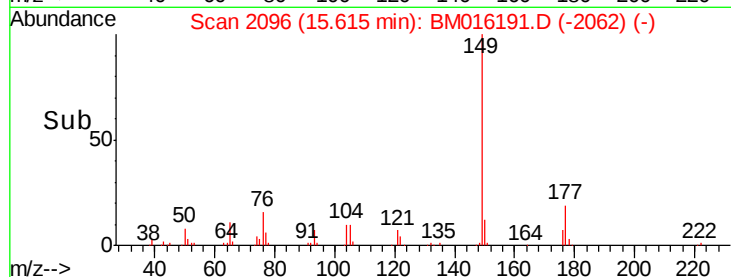
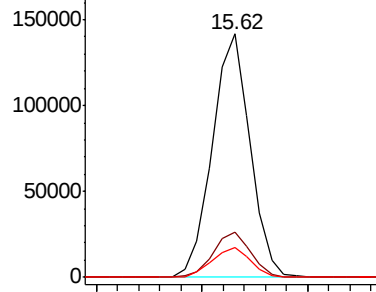
#56  
Diethylphthalate  
Concen: 18.943 ng/ul  
RT: 15.62 min Scan# 2096  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:149 Resp: 175753  
Ion Ratio Lower Upper  
149 100  
177 18.6 17.4 26.2  
150 12.4 10.0 15.0

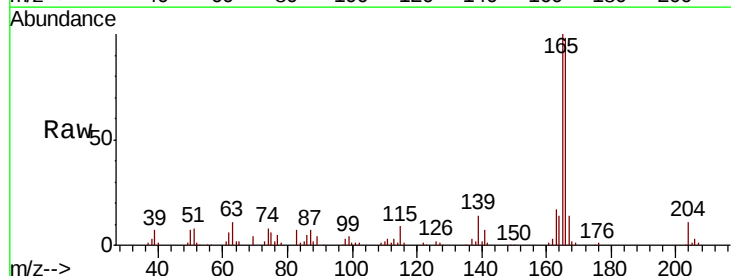


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

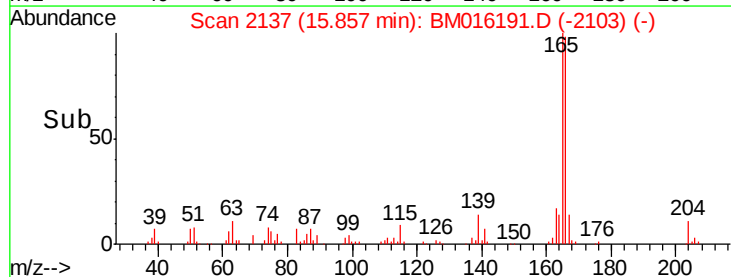
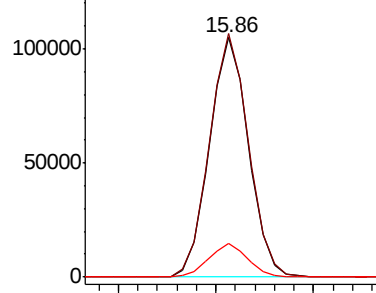


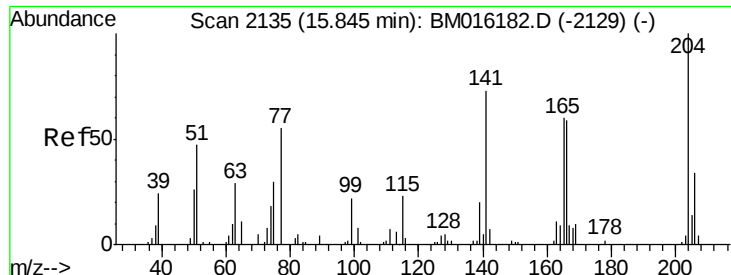
#58  
Fluorene  
Concen: 17.966 ng/ul  
RT: 15.86 min Scan# 2137  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion:166 Resp: 145256  
Ion Ratio Lower Upper  
166 100  
165 101.6 78.5 117.7  
167 14.1 10.7 16.1



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

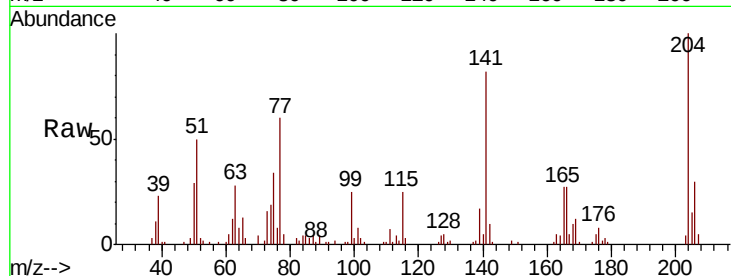




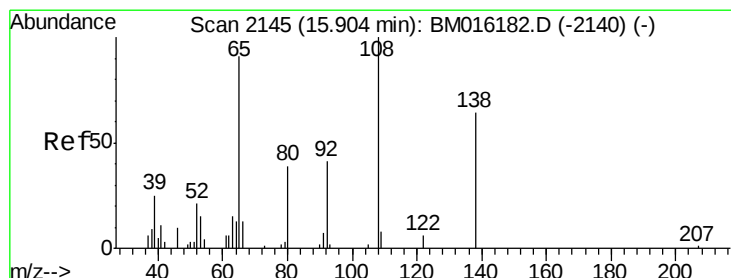
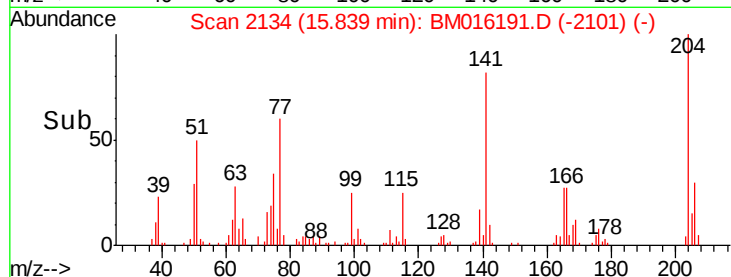
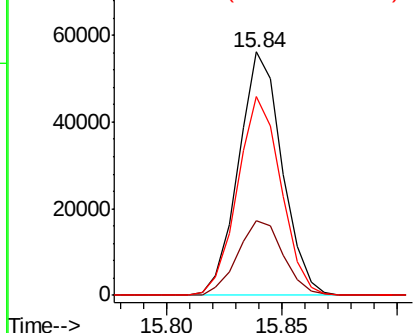
#59  
4-Chlorophenyl-phenylether  
Concen: 18.365 ng/ul  
RT: 15.84 min Scan# 2134  
Delta R.T. -0.01 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampled :

Tot Ion:204 Resp: 73994  
Ion Ratio Lower Upper  
204 100  
206 30.4 26.2 39.4  
141 81.7 54.6 81.8

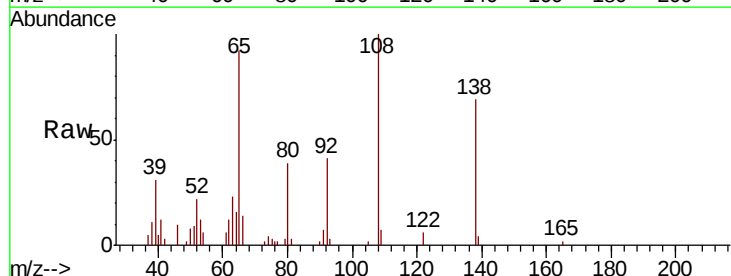


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

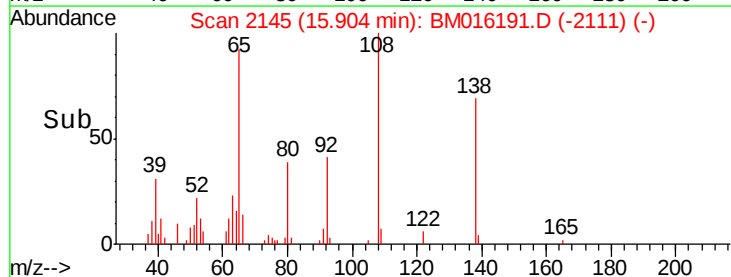
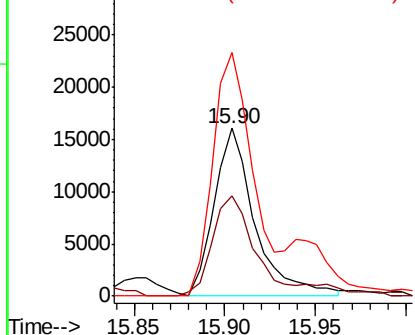


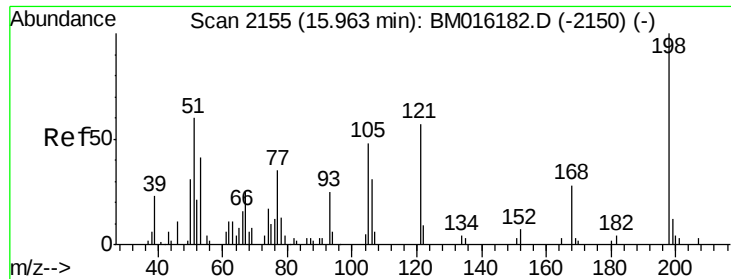
#60  
4-Nitroaniline  
Concen: 14.607 ng/ul  
RT: 15.90 min Scan# 2145  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Tgt Ion:138 Resp: 25163  
Ion Ratio Lower Upper  
138 100  
92 60.0 40.6 60.8  
108 145.3 67.0 100.6#



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

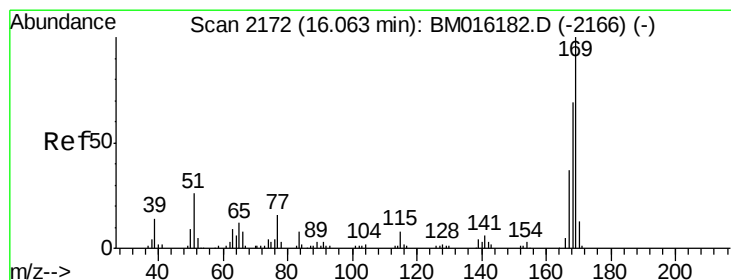
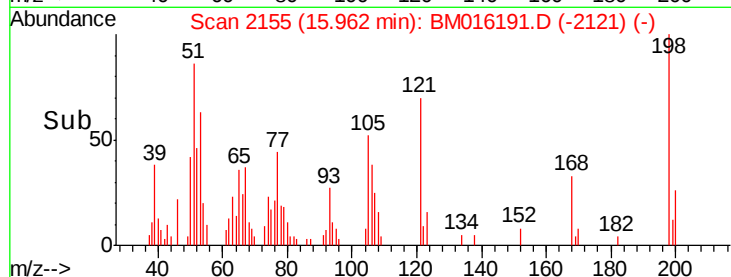
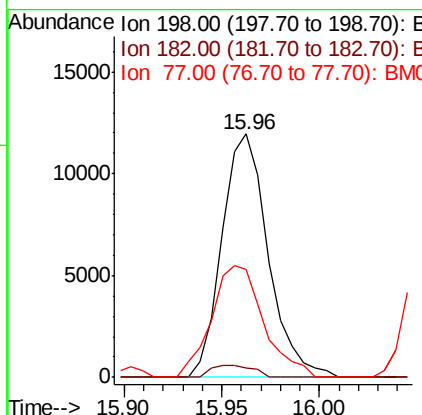
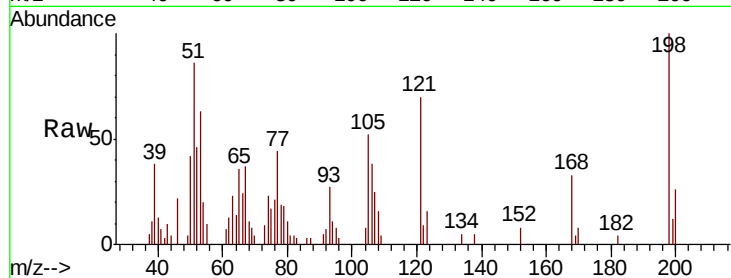




#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 16.186 ng/ul  
 RT: 15.96 min Scan# 2155  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

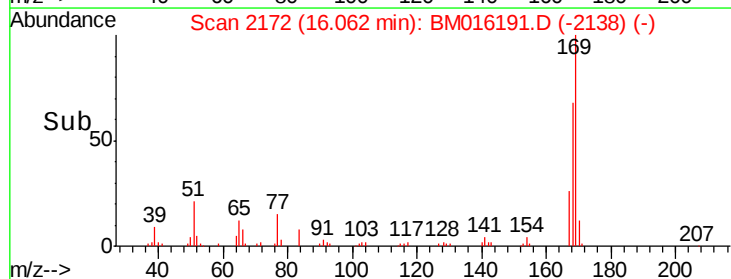
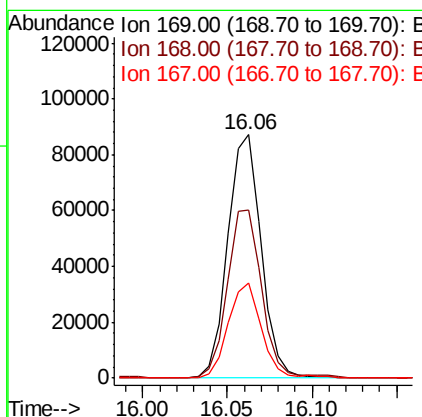
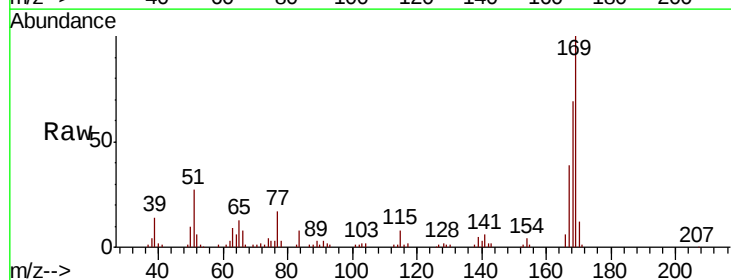
Instrument :  
 BNA\_M  
 ClientSampleId :

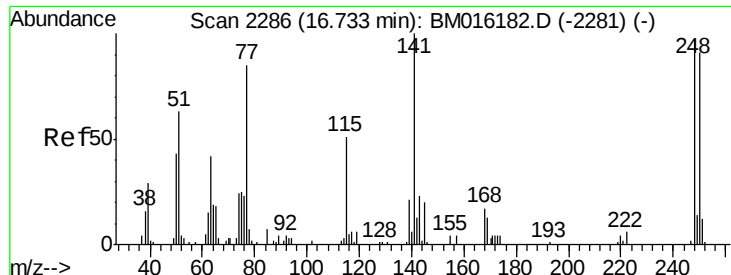
| Tot Ion   | 198  | Resp | 19615 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| Lower     |      |      |       |
| Upper     |      |      |       |
| 182       | 4.1  | 3.1  | 4.7   |
| 77        | 44.3 | 20.1 | 30.1  |



#64  
 N-Nitrosodiphenylamine  
 Concen: 21.791 ng/ul  
 RT: 16.06 min Scan# 2172  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

| Tgt Ion                                    | 169  | Resp | 119682 |
|--------------------------------------------|------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |        |
| Lower                                      |      |      |        |
| Upper                                      |      |      |        |
| 168                                        | 68.9 | 53.8 | 80.8   |
| 167                                        | 39.1 | 29.3 | 43.9   |

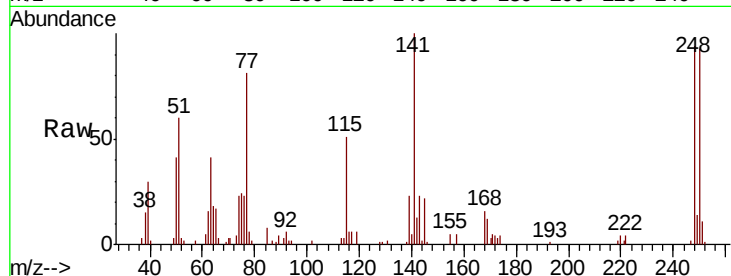




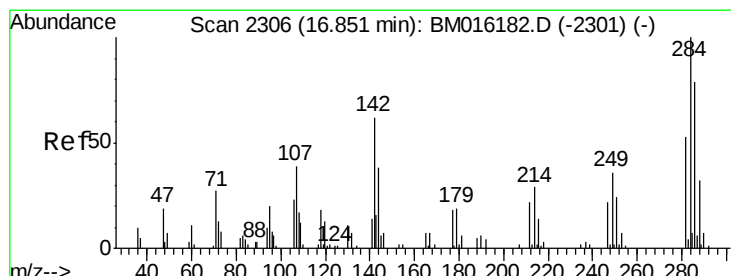
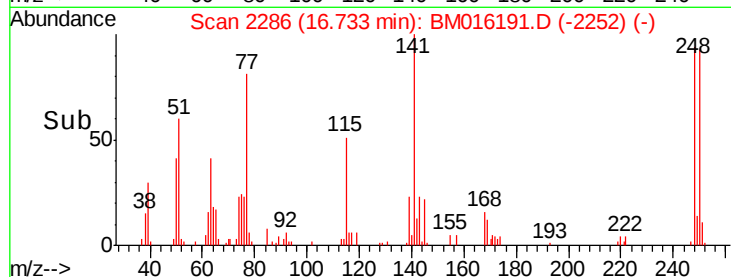
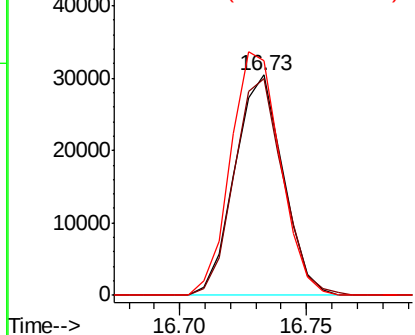
#65  
 4-Bromophenyl-phenylether  
 Concen: 21.206 ng/ul  
 RT: 16.73 min Scan# 2286  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Instrument :  
 BNA\_M  
 ClientSampled :

Tot Ion:248 Resp: 40522  
 Ion Ratio Lower Upper  
 248 100  
 250 98.7 78.7 118.1  
 141 106.6 72.2 108.2

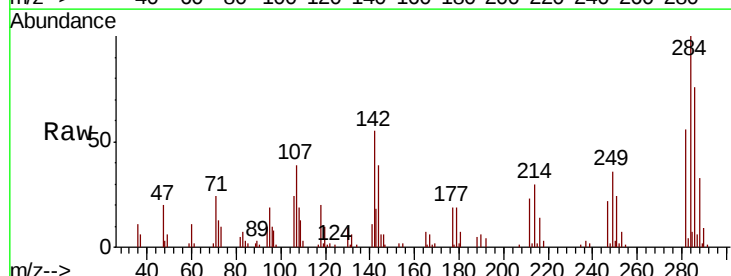


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

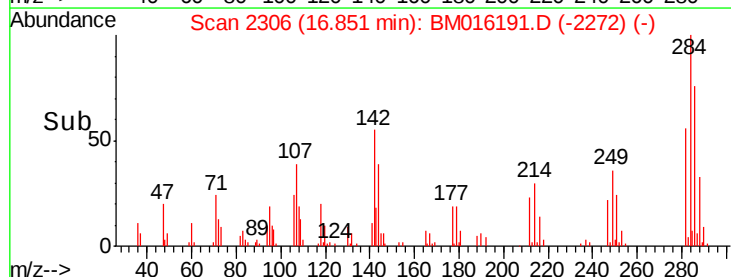
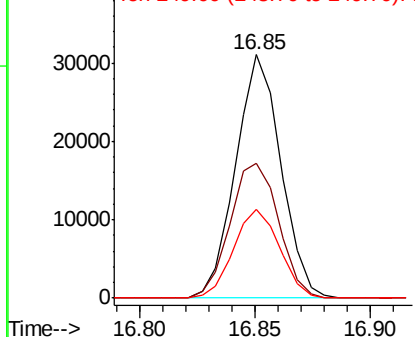


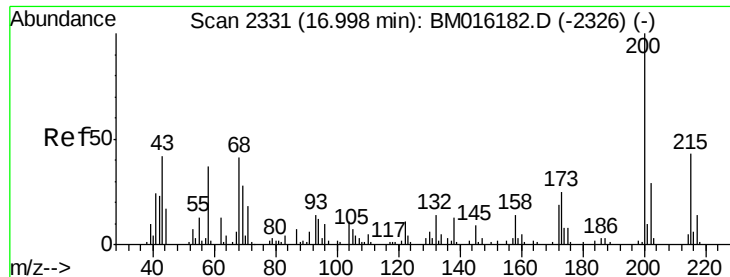
#66  
 Hexachlorobenzene  
 Concen: 19.873 ng/ul  
 RT: 16.85 min Scan# 2306  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Tgt Ion:284 Resp: 42400  
 Ion Ratio Lower Upper  
 284 100  
 142 55.2 33.1 49.7#  
 249 36.3 27.1 40.7



Abundance Ion 284.00 (283.70 to 284.70): E  
 Ion 142.00 (141.70 to 142.70): E  
 Ion 249.00 (248.70 to 249.70): E

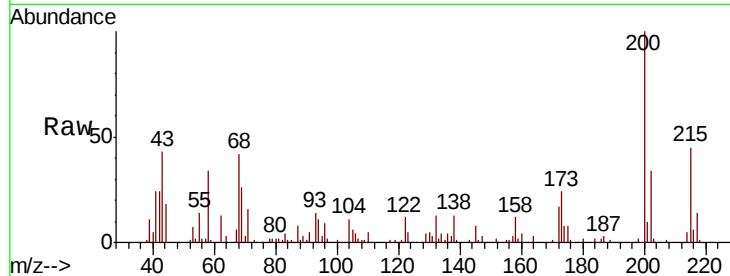




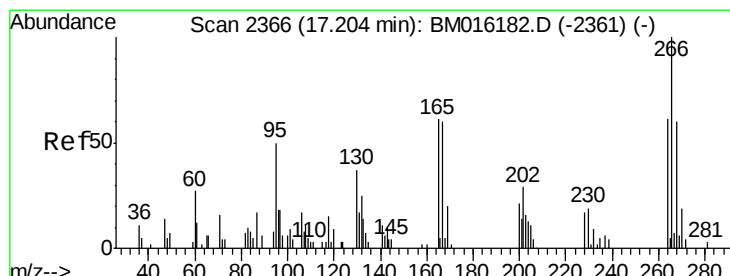
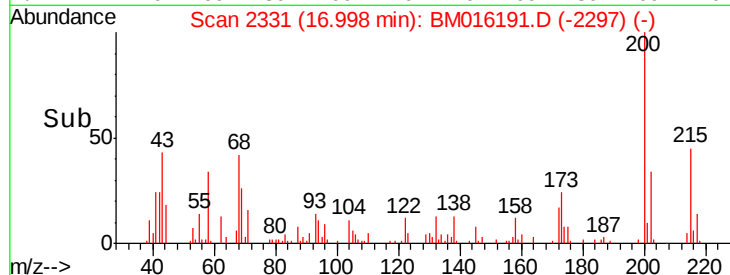
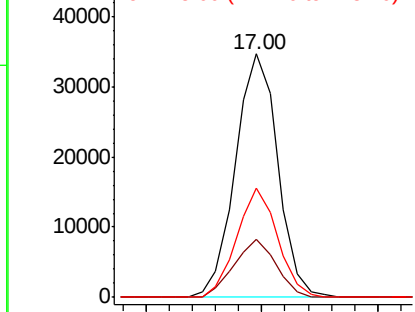
#67  
Atrazine  
Concen: 20.225 ng/ul  
RT: 17.00 min Scan# 2331  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.0  | 21.6  | 32.4  |
| 215     | 45.1  | 37.0  | 55.4  |

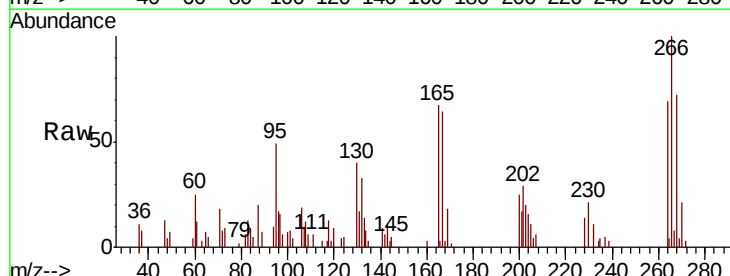


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

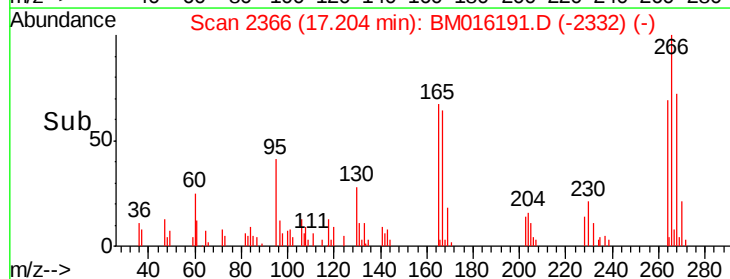
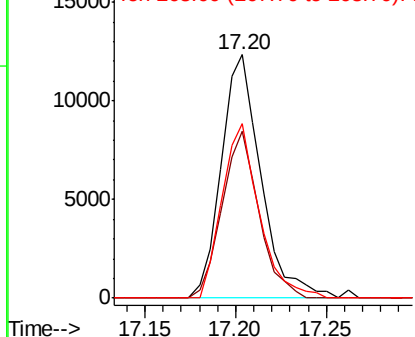


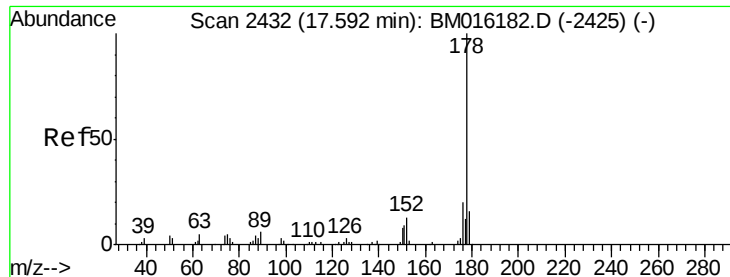
#68  
Pentachlorophenol  
Concen: 16.437 ng/ul  
RT: 17.20 min Scan# 2366  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 72.8  | 50.5  | 75.7  |
| 268     | 75.5  | 50.9  | 76.3  |



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





#69

Phenanthrene

Concen: 20.299 ng/ul

RT: 17.68 min Scan# 2447

Delta R.T. 0.09 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

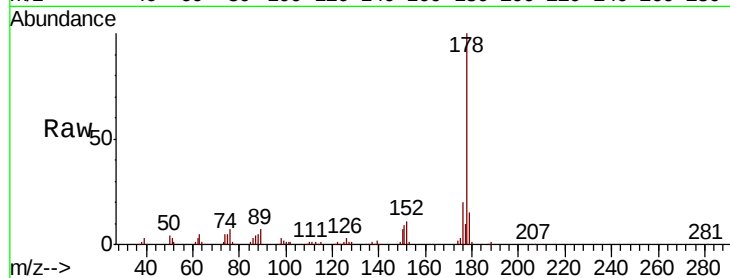
Tot Ion:178 Resp: 212794

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

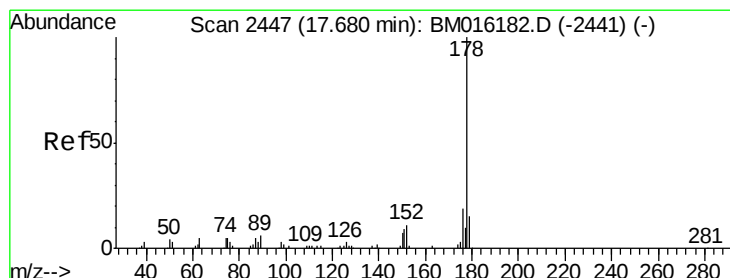
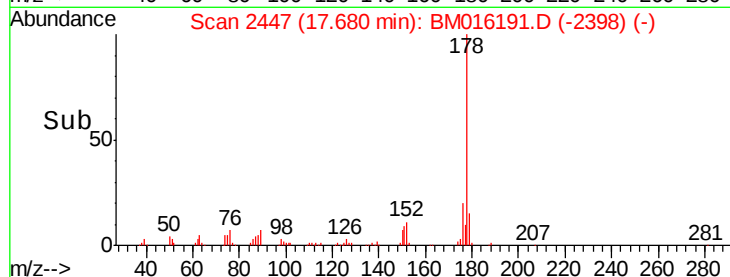
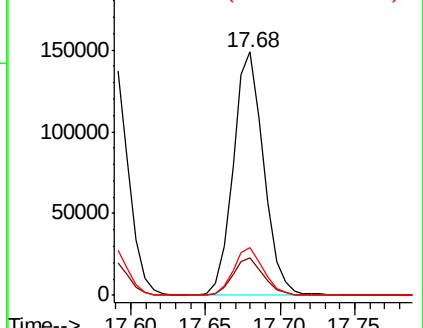
176 19.5 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 19.687 ng/ul

RT: 17.68 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

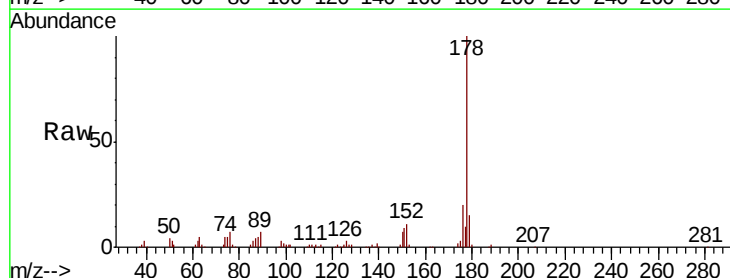
Tgt Ion:178 Resp: 212794

Ion Ratio Lower Upper

178 100

179 15.2 12.1 18.1

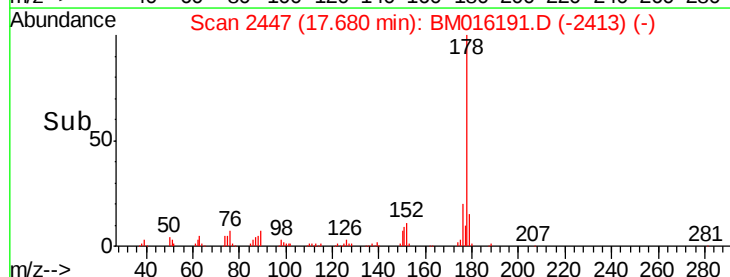
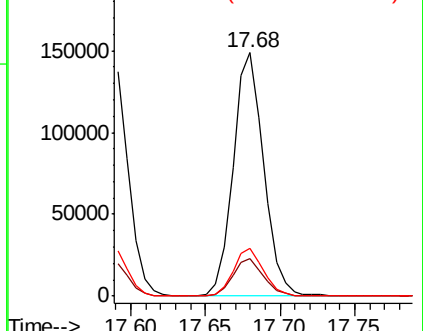
176 19.5 14.8 22.2

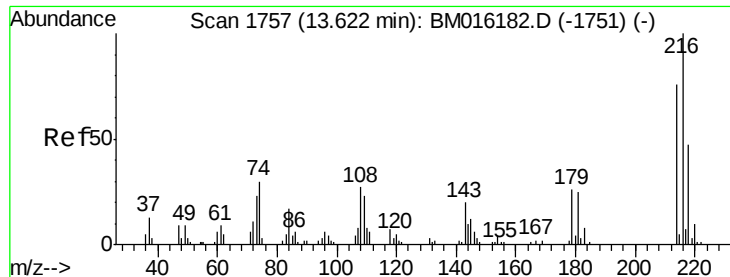


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

1,2,3,4-Tetrachlorobenzene

Concen: 27.163 ng/uL

RT: 13.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

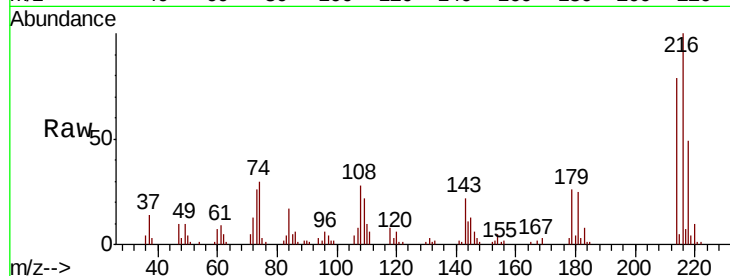
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:216 Resp: 67376

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.3  | 62.5  | 93.7  |
| 218 | 49.1  | 38.4  | 57.6  |

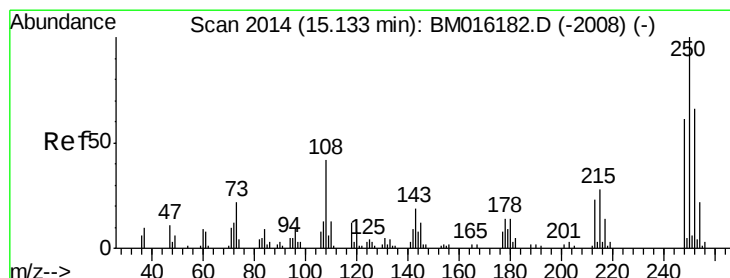
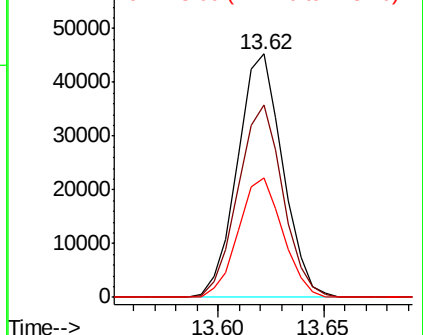
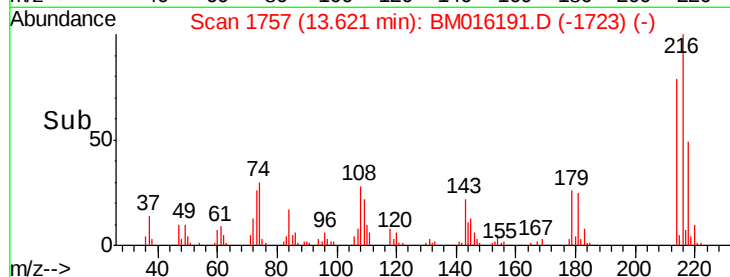


Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E



#73

Pentachlorobenzene

Concen: 23.147 ng/uL

RT: 15.13 min Scan# 2013

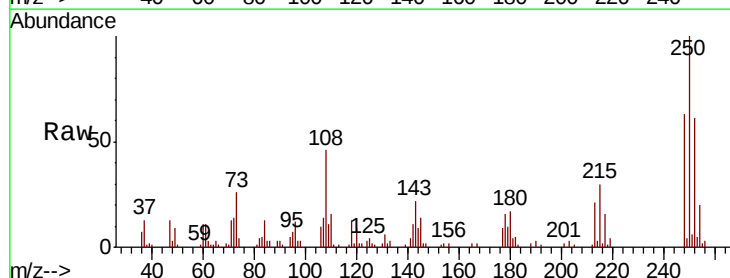
Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Tgt Ion:250 Resp: 56172

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 250 | 100   |       |       |
| 248 | 63.2  | 50.6  | 75.8  |
| 252 | 60.6  | 51.4  | 77.0  |

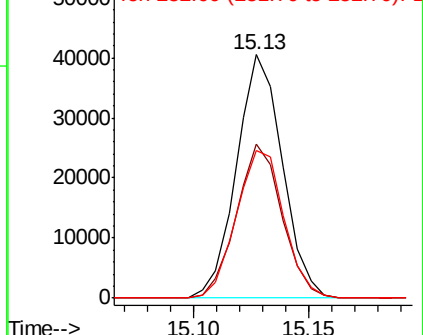
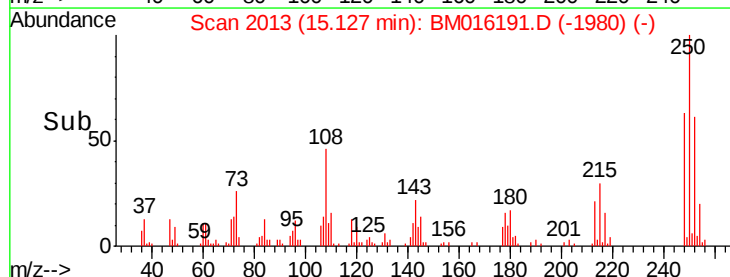


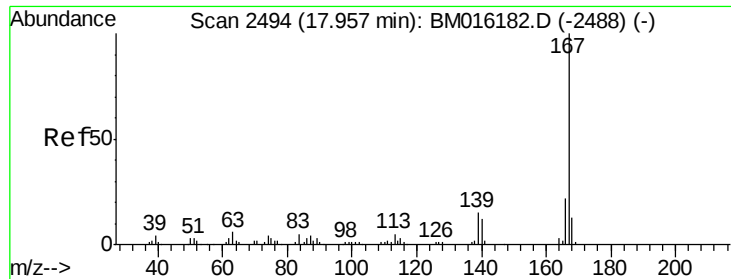
Abundance

Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

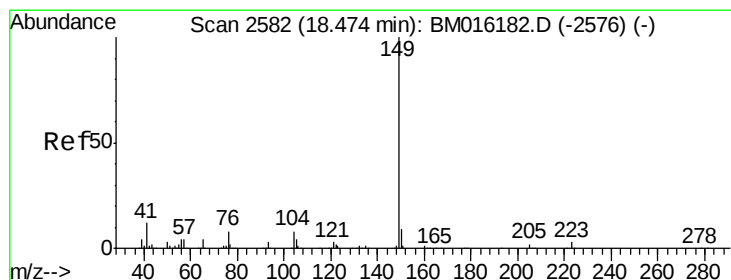
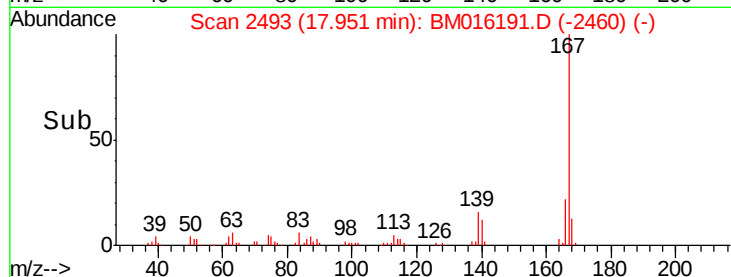
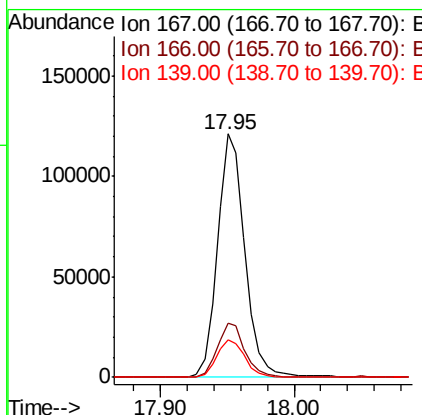
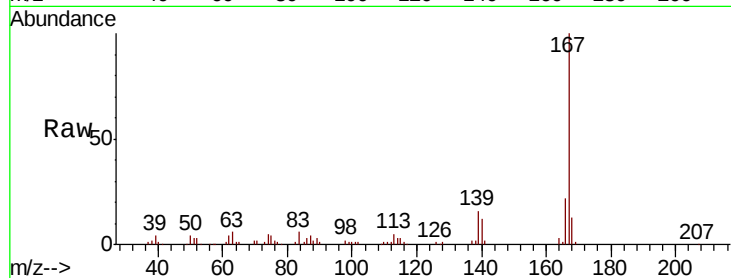




#74  
 Carbazole  
 Concen: 17.820 ng/ul  
 RT: 17.95 min Scan# 2493  
 Delta R.T. -0.01 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

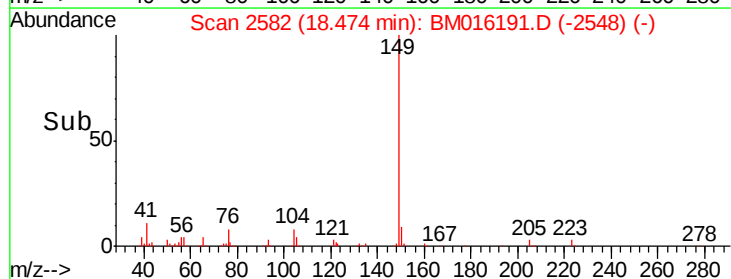
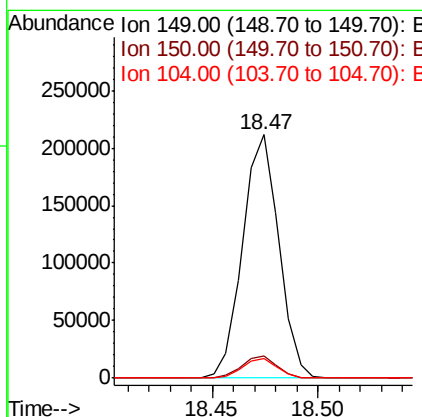
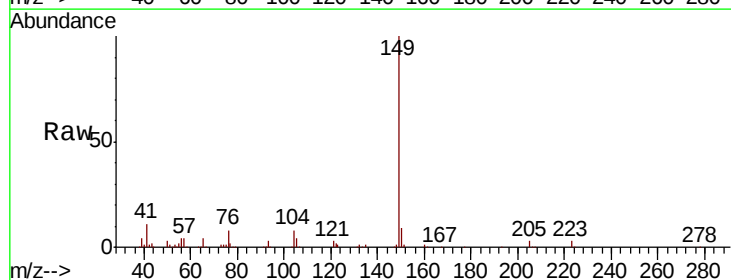
Instrument :  
 BNA\_M  
 ClientSampleId :

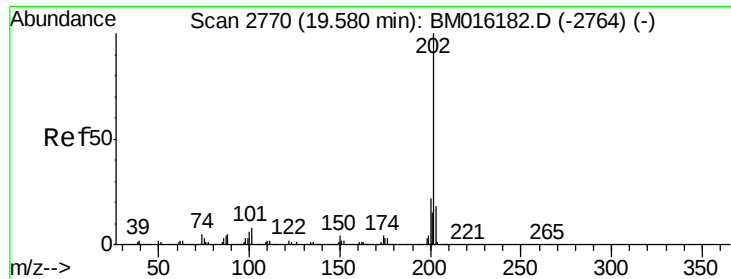
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.0  | 25.6  |
| 139     | 15.6  | 11.0  | 16.4  |



#75  
 Di-n-butylphthalate  
 Concen: 20.126 ng/ul  
 RT: 18.47 min Scan# 2582  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 7.4   | 11.0  |
| 104     | 8.3   | 4.0   | 6.0   |

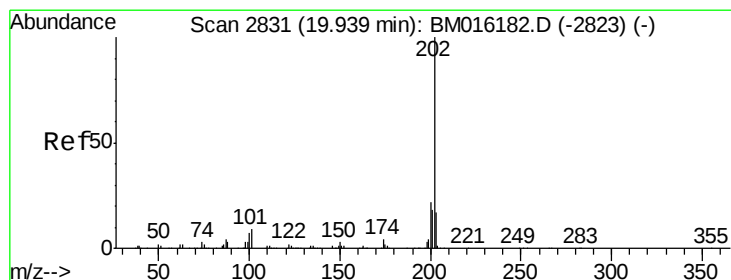
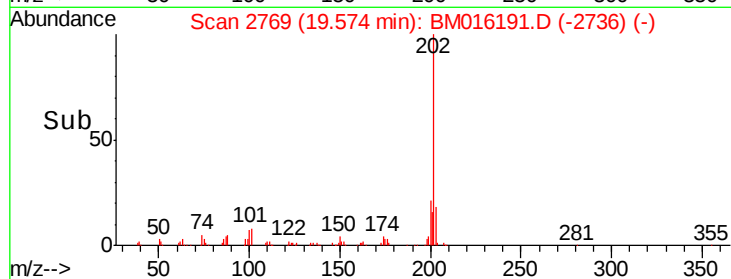
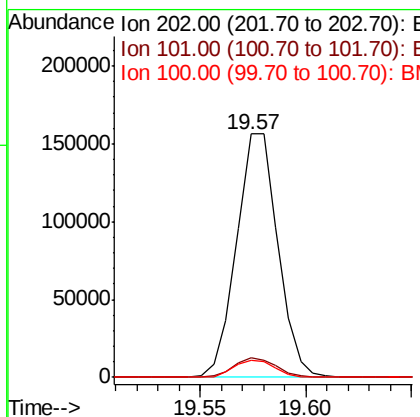
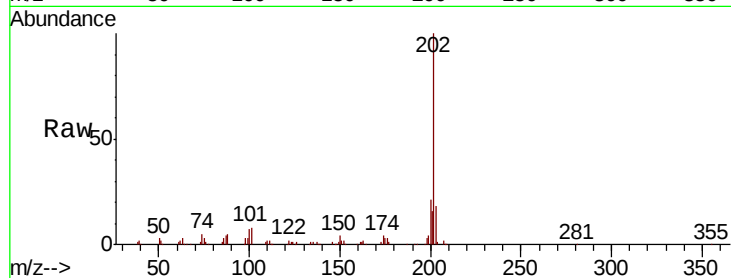




#76  
 Fluoranthene  
 Concen: 16.166 ng/ul  
 RT: 19.57 min Scan# 2769  
 Delta R.T. -0.01 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

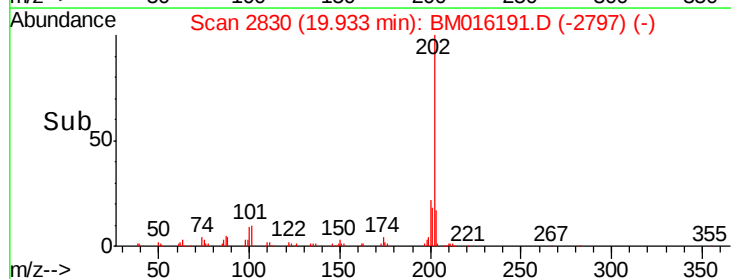
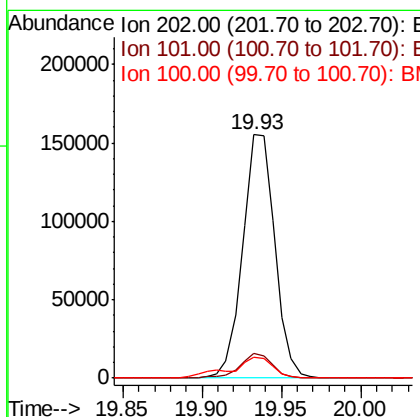
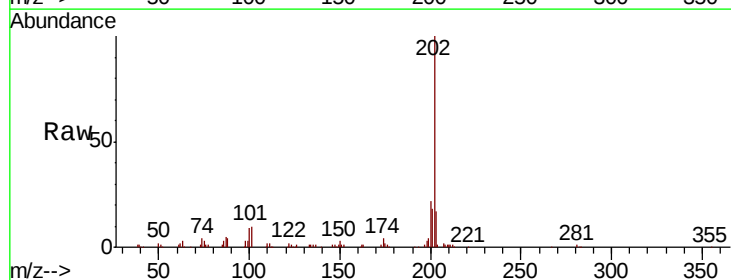
Instrument :  
 BNA\_M  
 ClientSampleId :

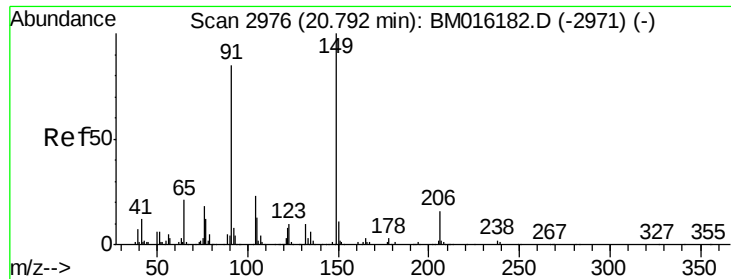
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.3   | 8.8   | 13.2# |
| 100     | 7.0   | 6.6   | 9.8   |



#79  
 Pyrene  
 Concen: 21.835 ng/ul  
 RT: 19.93 min Scan# 2830  
 Delta R.T. -0.01 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.1  | 10.2  | 15.2# |
| 100     | 8.6   | 8.5   | 12.7  |

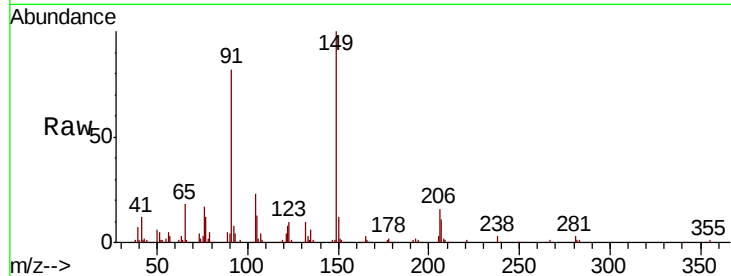




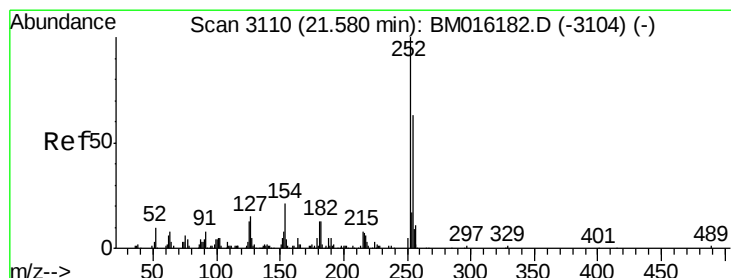
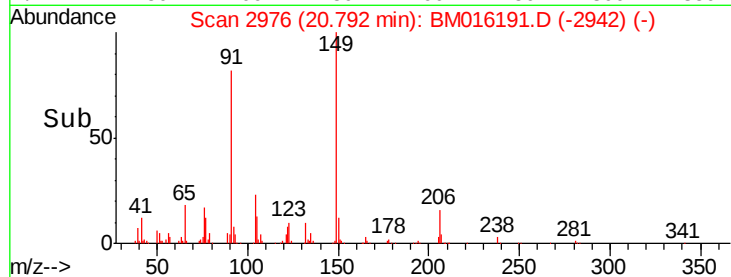
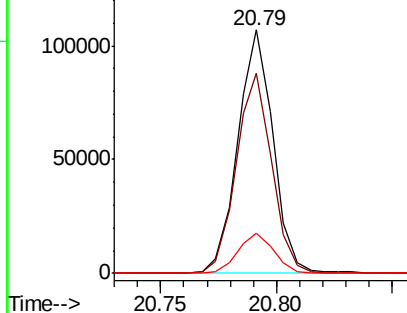
#80  
Butylbenzylphthalate  
Concen: 23.354 ng/ul  
RT: 20.79 min Scan# 2976  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 82.4  | 53.4  | 80.2# |
| 206     | 16.5  | 16.6  | 24.8# |

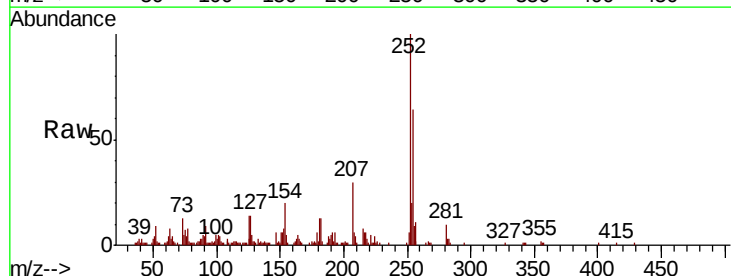


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BM016191.D (-2942) (-)  
Ion 206.00 (205.70 to 206.70): E

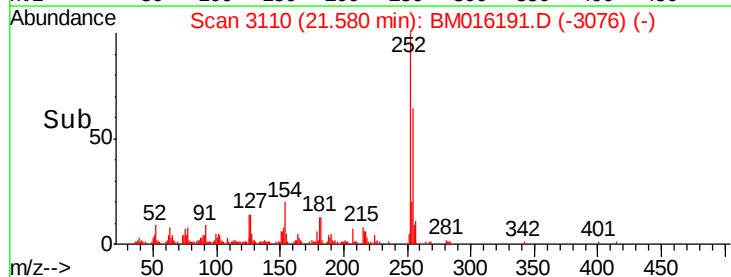
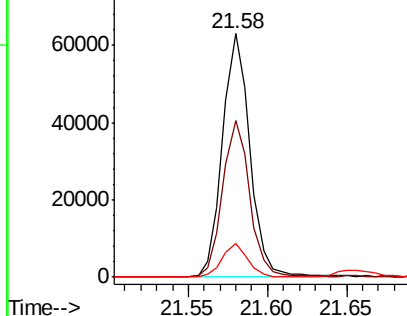


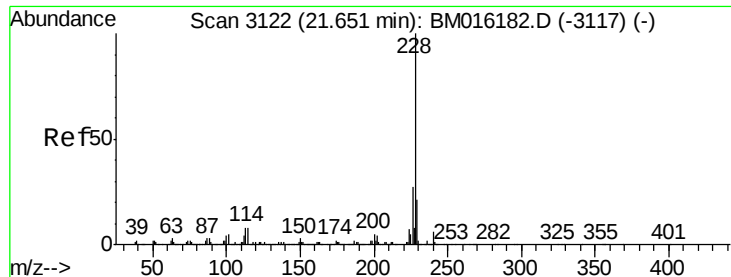
#81  
3,3'-Dichlorobenzidine  
Concen: 20.336 ng/ul  
RT: 21.58 min Scan# 3110  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.1  | 52.2  | 78.2  |
| 126     | 13.7  | 9.4   | 14.2  |



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

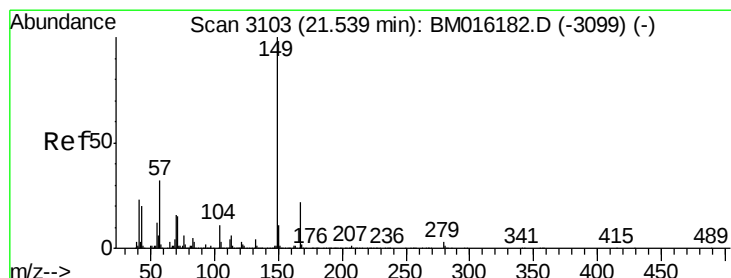
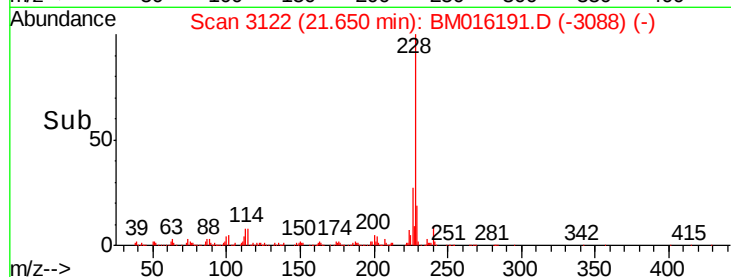
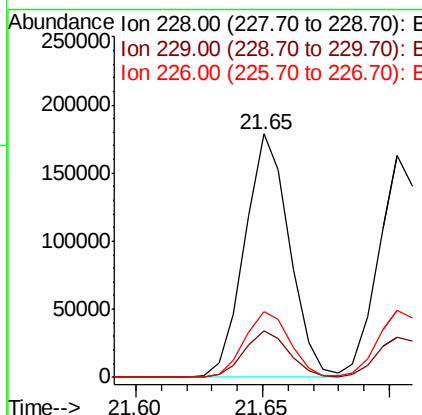
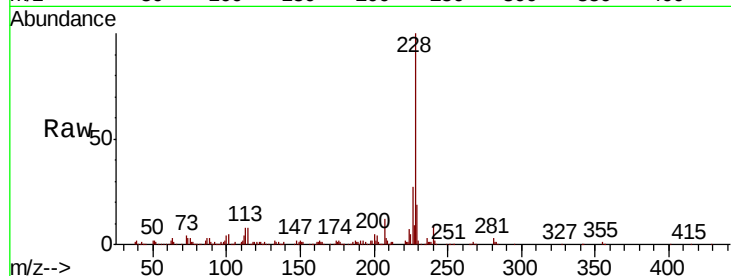




#82  
Benzo(a)anthracene  
Concen: 20.009 ng/ul  
RT: 21.65 min Scan# 3122  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

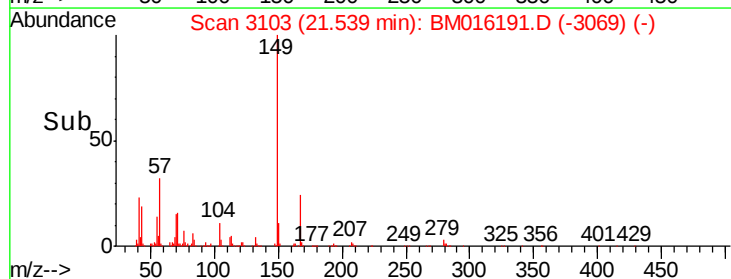
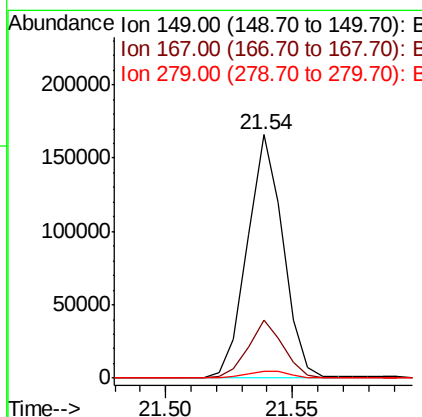
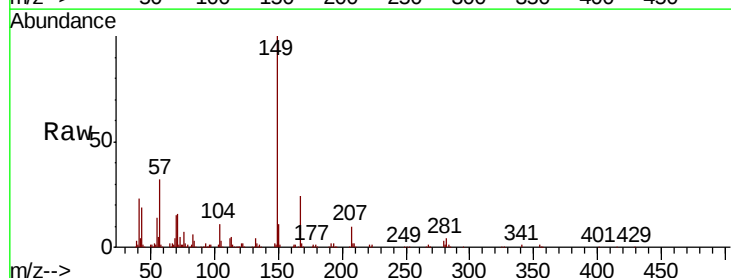
Instrument :  
BNA\_M  
ClientSampleId :

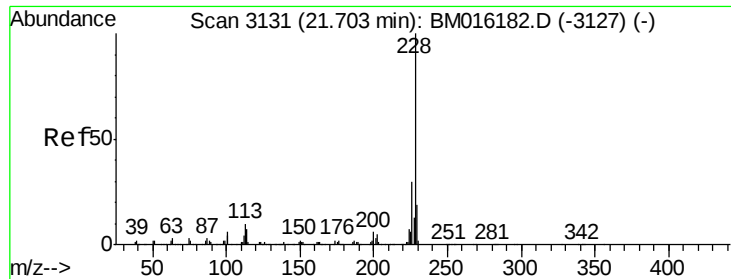
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.2  | 15.7  | 23.5  |
| 226     | 27.2  | 21.8  | 32.6  |



#83  
Bis(2-ethylhexyl)phthalate  
Concen: 22.978 ng/ul  
RT: 21.54 min Scan# 3103  
Delta R.T. -0.00 min  
Lab File: BM016191.D  
Acq: 03 Aug 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 23.7  | 21.6  | 32.4  |
| 279     | 2.9   | 3.0   | 4.4#  |

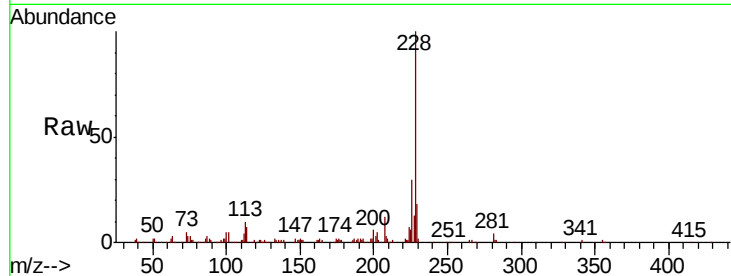




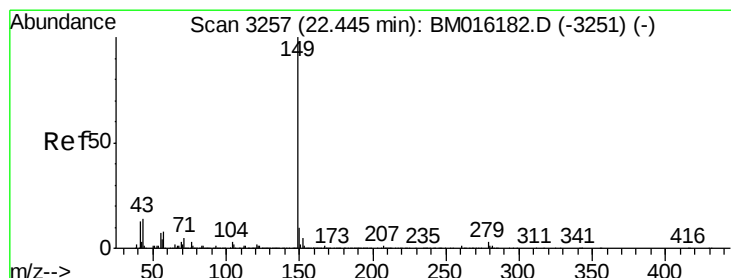
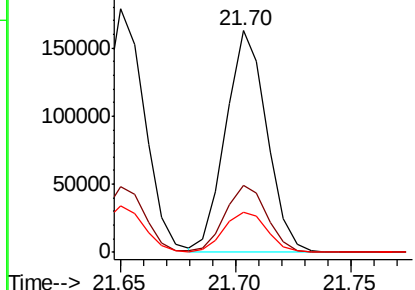
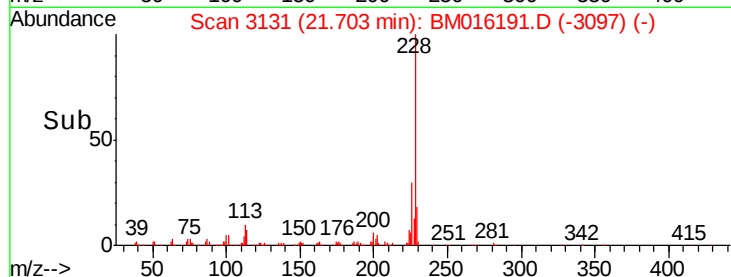
#84  
 Chrysene  
 Concen: 19.547 ng/ul  
 RT: 21.70 min Scan# 3131  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

Instrument :  
 BNA\_M  
 ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:228 | Resp: | 200852      |
| Ion         | Ratio | Lower Upper |
| 228         | 100   |             |
| 226         | 30.4  | 24.0 36.0   |
| 229         | 18.2  | 15.6 23.4   |

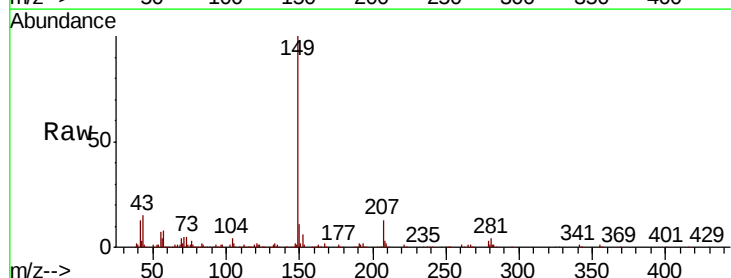


Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

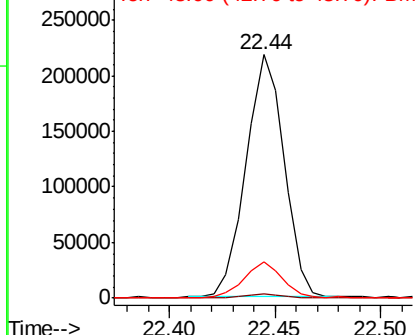
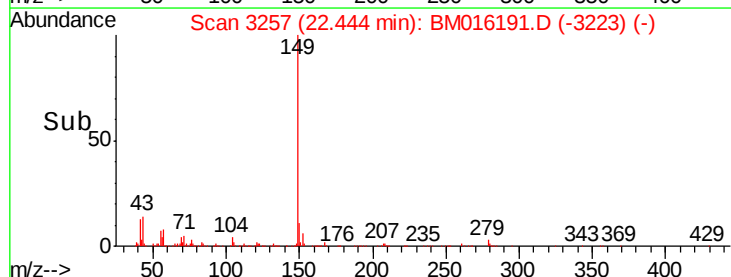


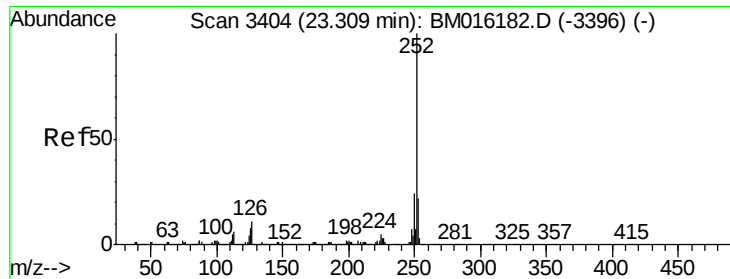
#86  
 Di-n-octyl phthalate  
 Concen: 19.880 ng/ul  
 RT: 22.44 min Scan# 3257  
 Delta R.T. -0.00 min  
 Lab File: BM016191.D  
 Acq: 03 Aug 2018 22:12

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:149 | Resp: | 274046      |
| Ion         | Ratio | Lower Upper |
| 149         | 100   |             |
| 167         | 1.6   | 1.2 1.8     |
| 43          | 14.7  | 5.6 8.4#    |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BM





#87

Benzo(b)fluoranthene

Concen: 18.164 ng/ul

RT: 23.36 min Scan# 3412

Delta R.T. 0.05 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

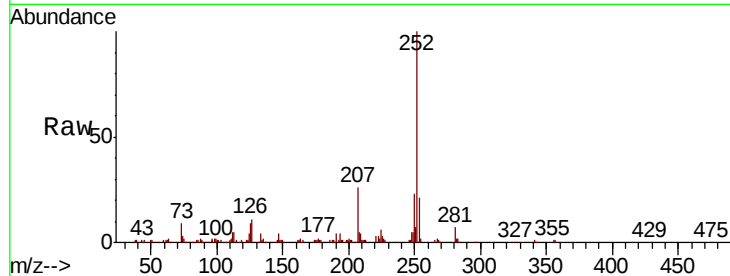
Tot Ion:252 Resp: 205063

Ion Ratio Lower Upper

252 100

253 21.0 17.5 26.3

125 8.7 8.5 12.7

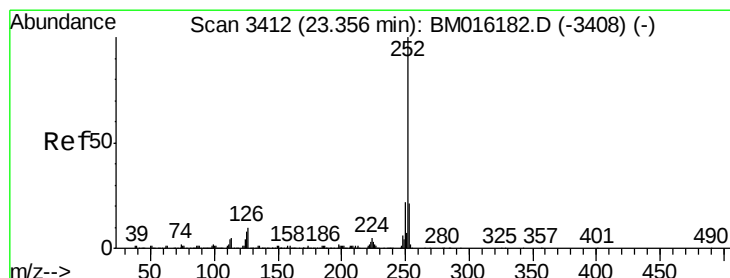
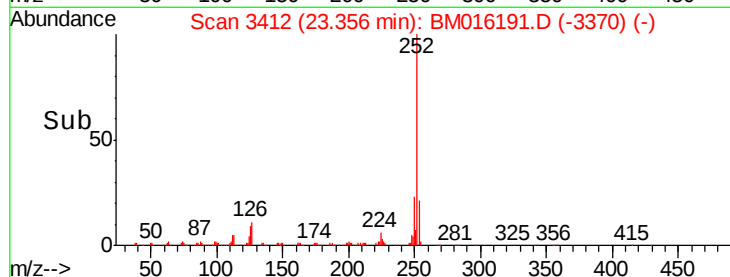
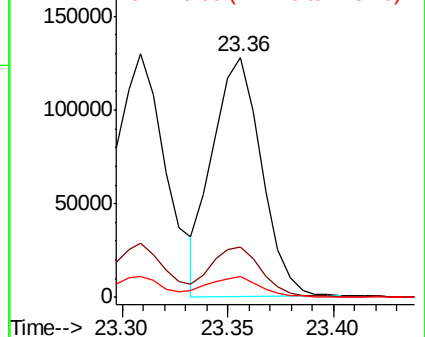


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.001 ng/ul

RT: 23.36 min Scan# 3412

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

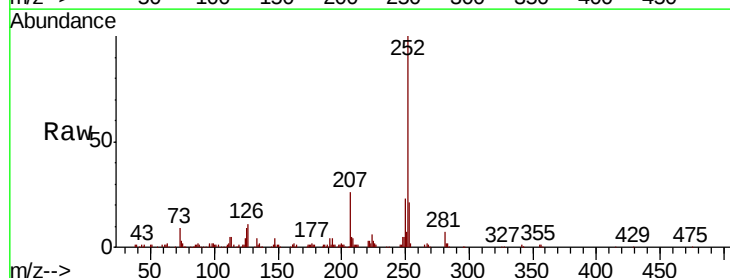
Tgt Ion:252 Resp: 205063

Ion Ratio Lower Upper

252 100

253 21.0 17.3 25.9

125 8.7 8.2 12.2

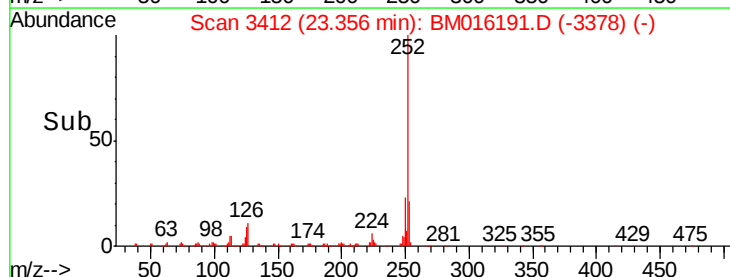
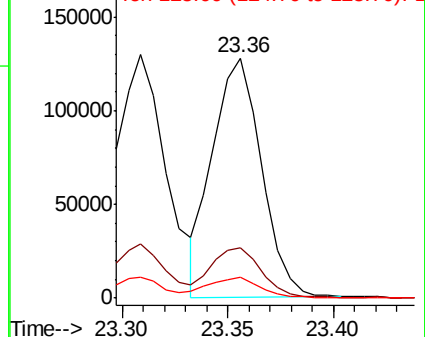


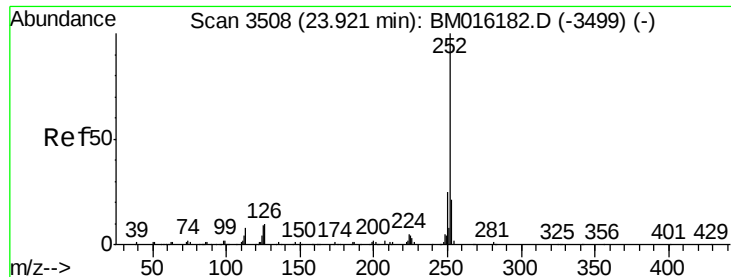
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 19.333 ng/uL

RT: 23.92 min Scan# 3508

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampleId :

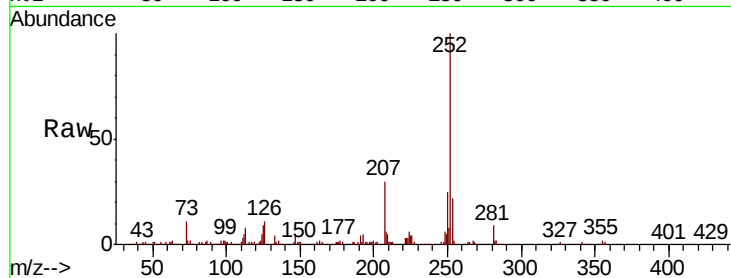
Tot Ion:252 Resp: 209859

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

125 9.3 9.0 13.6

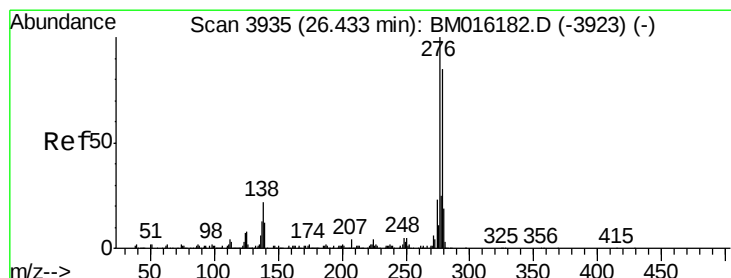
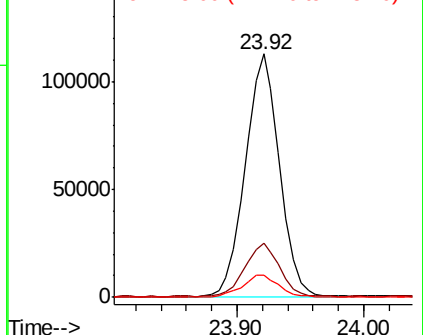
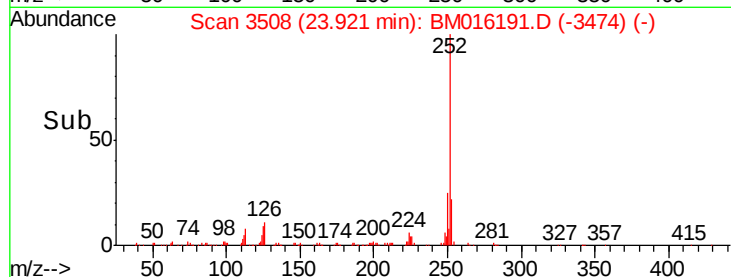


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 19.368 ng/uL

RT: 26.43 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

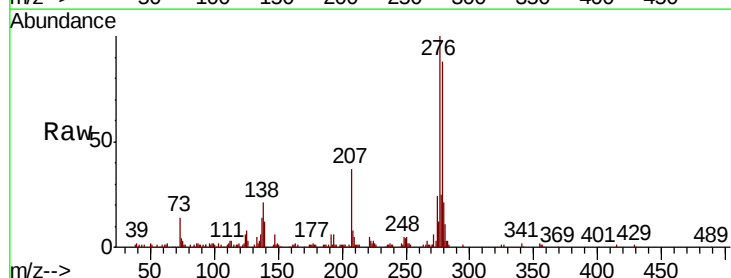
Tgt Ion:276 Resp: 258503

Ion Ratio Lower Upper

276 100

138 21.0 22.3 33.5#

277 25.5 20.2 30.2

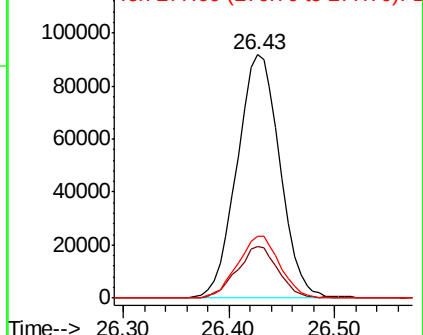
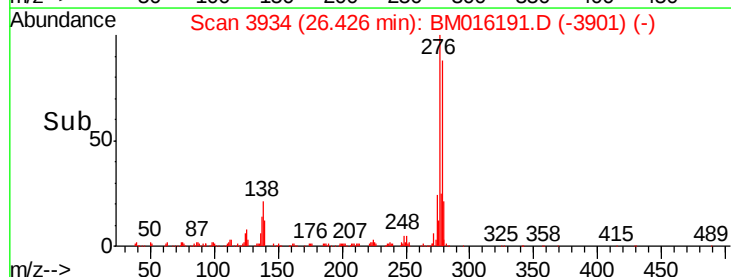


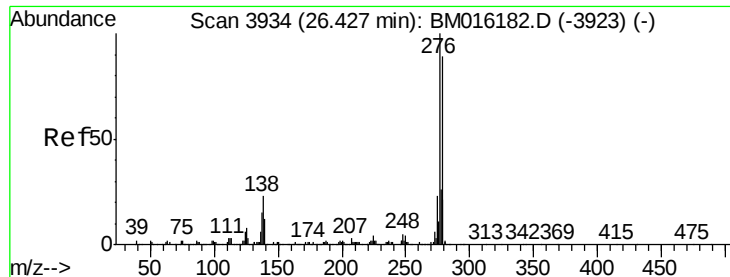
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 19.055 ng/ul

RT: 26.43 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

Instrument :

BNA\_M

ClientSampled :

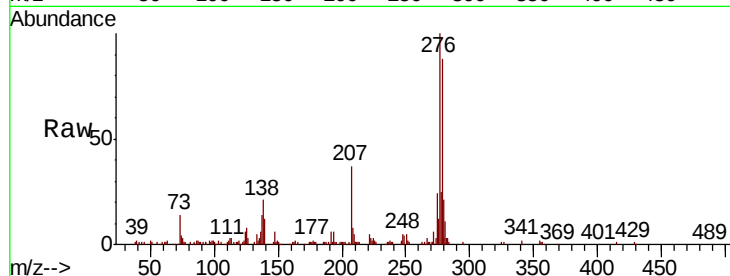
Tot Ion:278 Resp: 215368

Ion Ratio Lower Upper

278 100

139 13.4 13.9 20.9#

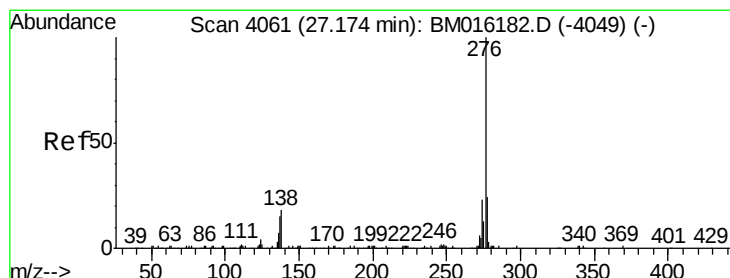
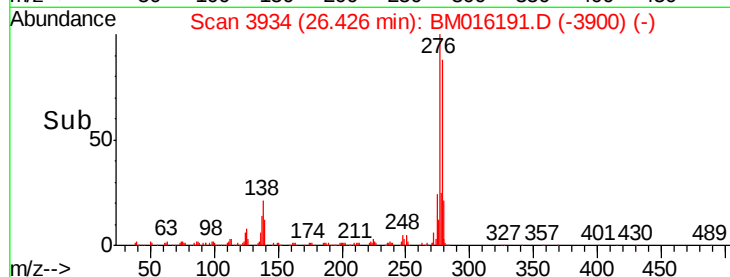
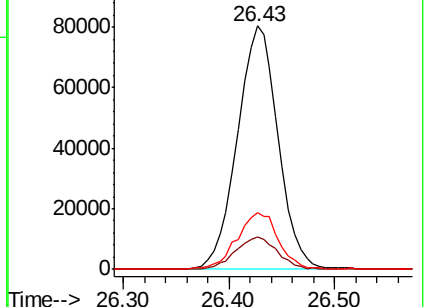
279 23.4 19.0 28.4



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



#93

Benzo(g,h,i)perylene

Concen: 19.549 ng/ul

RT: 27.17 min Scan# 4060

Delta R.T. -0.01 min

Lab File: BM016191.D

Acq: 03 Aug 2018 22:12

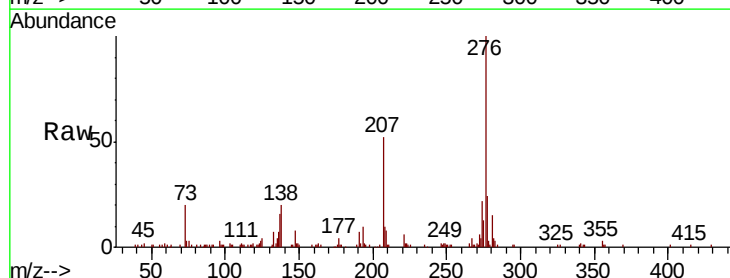
Tgt Ion:276 Resp: 208624

Ion Ratio Lower Upper

276 100

138 19.7 18.9 28.3

277 23.6 19.2 28.8



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

