

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082521\  
 Data File : BM031902.D  
 Acq On : 25 Aug 2021 23:45  
 Operator : CG/JU  
 Sample : M2262-03  
 Misc : MDL-MDL-SOIL-8ppm  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2021

Quant Time: Aug 26 03:33:15 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 26 03:29:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.522  | 152  | 29570    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.280 | 136  | 127051   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.157 | 164  | 91641    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.915 | 188  | 216388   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.115 | 240  | 243571   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.256 | 264  | 266242   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.157  | 112  | 180884   | 101.130 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.722  | 99   | 242632   | 95.874  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.675  | 82   | 237344   | 80.917  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.662 | 330  | 118880   | 109.744 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.774 | 172  | 539264   | 77.636  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.562 | 244  | 1146211  | 67.929  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.169  | 88   | 5656     | 7.756   | ng    | # 85     |
| 3) Pyridine                   | 3.563  | 79   | 12607    | 6.925   | ng    | # 66     |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 11019    | 8.910   | ng    | # 39     |
| 6) Aniline                    | 6.869  | 93   | 23002    | 8.556   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.092  | 128  | 15691    | 7.535   | ng    | 96       |
| 9) Benzaldehyde               | 6.687  | 77   | 15629    | 9.311   | ng    | 94       |
| 10) Phenol                    | 6.745  | 94   | 18357    | 7.335   | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 6.969  | 93   | 14068    | 7.706   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.410  | 146  | 17855    | 7.763   | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 7.557  | 146  | 18527    | 7.862   | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 7.863  | 146  | 16959    | 7.391   | ng    | 98       |
| 15) Benzyl Alcohol            | 7.769  | 79   | 16203    | 7.505   | ng    | 90       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.045  | 45   | 18744    | 7.653   | ng    | 97       |
| 17) 2-Methylphenol            | 7.969  | 107  | 12716    | 7.122   | ng    | 95       |
| 18) Hexachloroethane          | 8.569  | 117  | 7371     | 7.551   | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.328  | 70   | 13846    | 7.101   | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.298  | 107  | 17335    | 7.057   | ng    | 95       |
| 22) Acetophenone              | 8.339  | 105  | 27622    | 7.998   | ng    | # 97     |
| 24) Nitrobenzene              | 8.716  | 77   | 23572    | 7.937   | ng    | 98       |
| 25) Isophorone                | 9.233  | 82   | 34876    | 6.885   | ng    | 96       |
| 26) 2-Nitrophenol             | 9.416  | 139  | 8223     | 6.916   | ng    | # 90     |
| 27) 2,4-Dimethylphenol        | 9.481  | 122  | 13225    | 7.391   | ng    | 88       |
| 28) bis(2-Chloroethoxy)met... | 9.722  | 93   | 18965    | 7.665   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 9.945  | 162  | 15100    | 7.186   | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.145 | 180  | 17678    | 7.668   | ng    | 97       |
| 31) Naphthalene               | 10.328 | 128  | 53020    | 7.468   | ng    | 99       |
| 32) Benzoic acid              | 9.592  | 122  | 7632     | 5.006   | ng    | 95       |
| 33) 4-Chloroaniline           | 10.457 | 127  | 21553    | 7.593   | ng    | 94       |
| 34) Hexachlorobutadiene       | 10.604 | 225  | 12172    | 7.982   | ng    | 94       |
| 35) Caprolactam               | 11.251 | 113  | 4700     | 7.339   | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 11.586 | 107  | 17607    | 7.065   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 11.951 | 142  | 38762    | 7.333   | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.169 | 142  | 35747    | 7.149   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.322 | 216  | 20793    | 7.745   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.292 | 237  | 8606     | 6.574   | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 12.580 | 196  | 13387    | 6.944   | ng    | 95       |

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 QLast Update : Thu Aug 26 03:29:07 2021  
 Response via : Initial Calibration

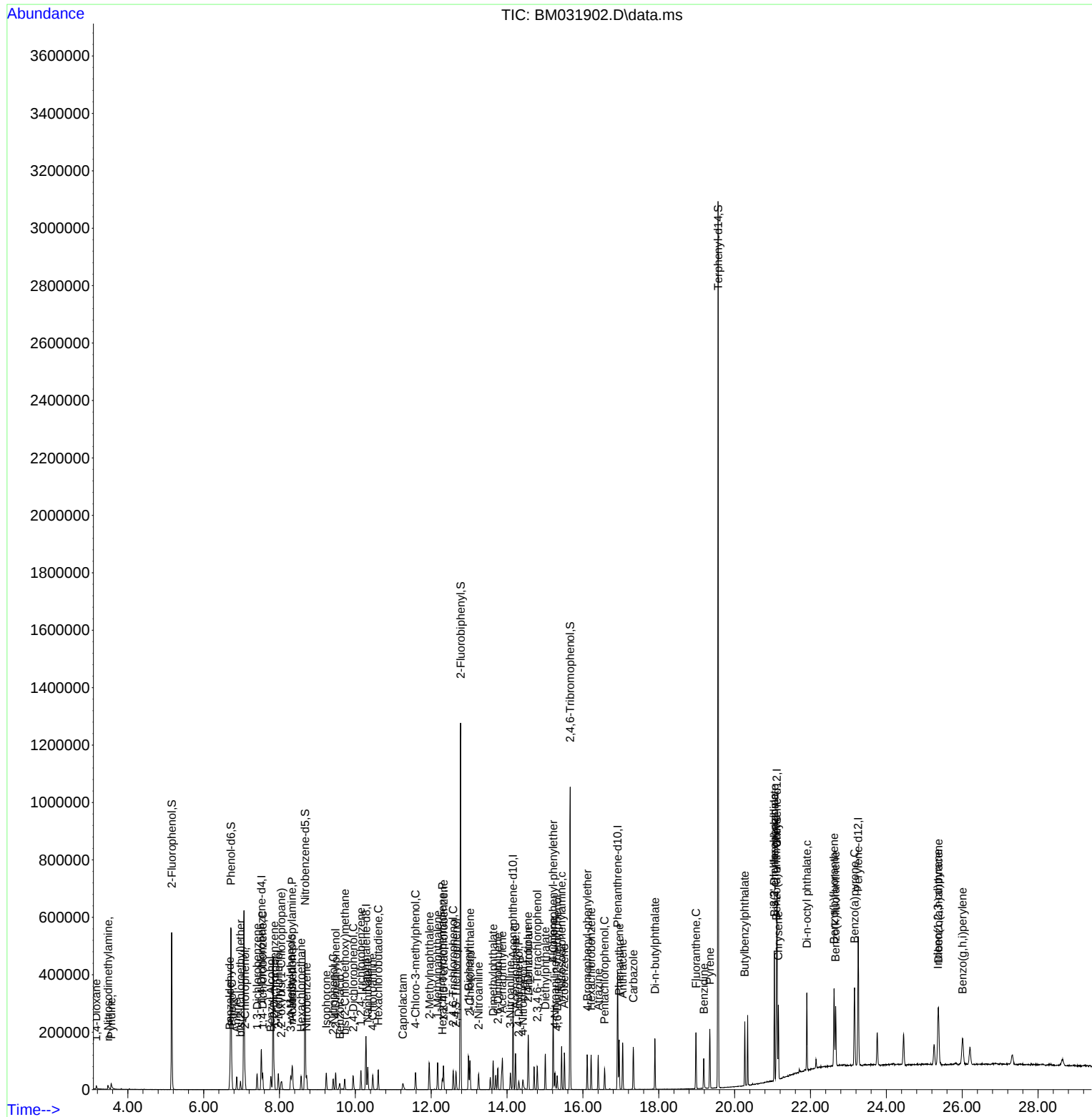
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.651 | 196  | 14441    | 6.932 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 12.986 | 154  | 52754    | 7.438 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.021 | 162  | 39806    | 7.129 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.251 | 65   | 13839    | 7.122 | ng    | 99       |
| 49) Acenaphthylene            | 13.874 | 152  | 64113    | 7.137 | ng    | 99       |
| 50) Dimethylphthalate         | 13.633 | 163  | 53662    | 7.387 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.757 | 165  | 11166    | 6.979 | ng    | 96       |
| 52) Acenaphthene              | 14.221 | 154  | 39814    | 7.280 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.086 | 138  | 11065    | 7.110 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.310 | 184  | 5273     | 5.820 | ng #  | 80       |
| 55) Dibenzofuran              | 14.563 | 168  | 65280    | 7.088 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.416 | 139  | 8348     | 6.790 | ng #  | 89       |
| 57) 2,4-Dinitrotoluene        | 14.551 | 165  | 15886    | 6.972 | ng    | 93       |
| 58) Fluorene                  | 15.215 | 166  | 53710    | 7.112 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.798 | 232  | 13095    | 7.200 | ng    | 94       |
| 60) Diethylphthalate          | 15.010 | 149  | 59210    | 7.468 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.215 | 204  | 27923    | 7.449 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.262 | 138  | 11127    | 7.404 | ng #  | 85       |
| 63) Azobenzene                | 15.510 | 77   | 66226    | 7.575 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.321 | 198  | 8359     | 5.608 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.439 | 169  | 46868    | 6.499 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.115 | 248  | 16154    | 6.684 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.215 | 284  | 17816    | 6.974 | ng    | 96       |
| 69) Atrazine                  | 16.404 | 200  | 18166    | 7.472 | ng    | 94       |
| 70) Pentachlorophenol         | 16.568 | 266  | 10533    | 6.565 | ng    | 95       |
| 71) Phenanthrene              | 16.956 | 178  | 91709    | 7.198 | ng    | 97       |
| 72) Anthracene                | 17.045 | 178  | 90970    | 7.300 | ng    | 99       |
| 73) Carbazole                 | 17.327 | 167  | 86142    | 7.320 | ng    | 99       |
| 74) Di-n-butylphthalate       | 17.898 | 149  | 107775   | 7.295 | ng    | 99       |
| 75) Fluoranthene              | 18.980 | 202  | 107826   | 7.750 | ng    | 98       |
| 77) Benzidine                 | 19.186 | 184  | 54810    | 8.602 | ng    | 97       |
| 78) Pyrene                    | 19.345 | 202  | 114751   | 5.633 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.268 | 149  | 52067    | 5.943 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.103 | 228  | 121233   | 6.920 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.044 | 252  | 44500    | 8.833 | ng    | 99       |
| 83) Chrysene                  | 21.150 | 228  | 117911   | 6.981 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.050 | 149  | 80497    | 6.386 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 21.903 | 149  | 142954   | 7.526 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.362 | 276  | 128092   | 6.953 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 22.621 | 252  | 129587   | 6.429 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.662 | 252  | 117176   | 6.132 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.162 | 252  | 121843   | 6.979 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 25.374 | 278  | 109953   | 6.891 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.009 | 276  | 106467   | 7.057 | ng    | 99       |

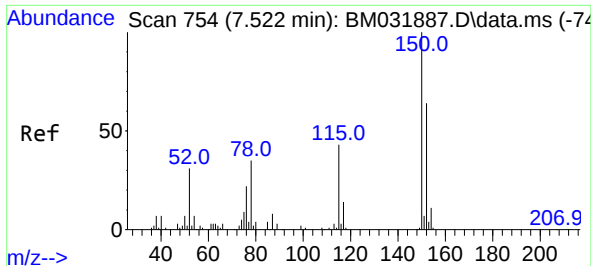
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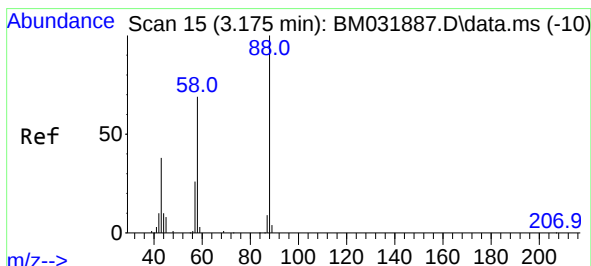
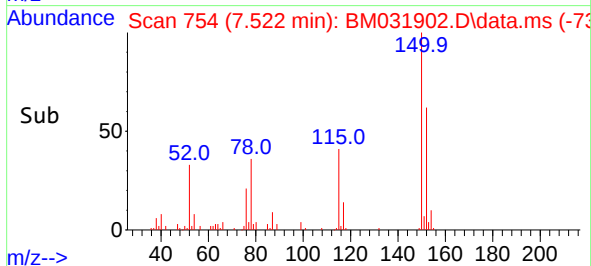
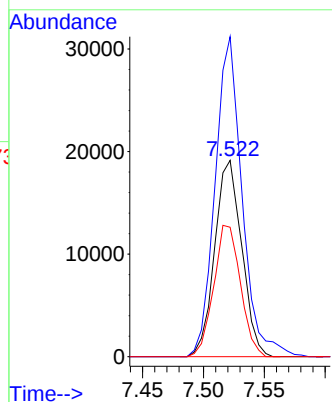
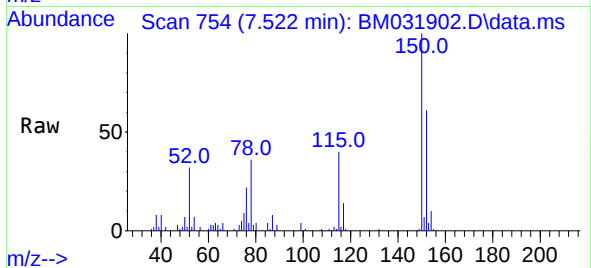




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.522 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

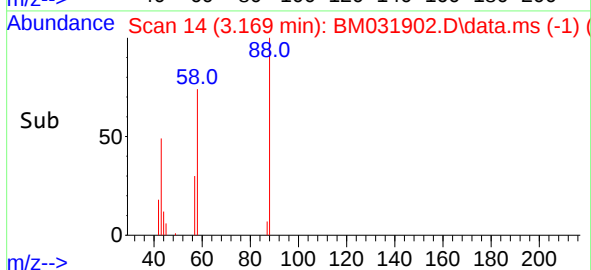
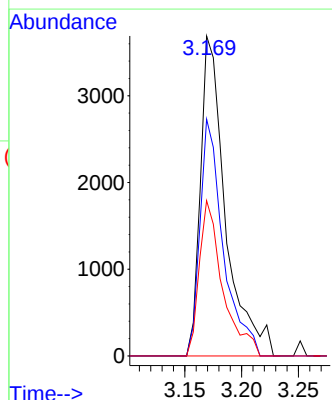
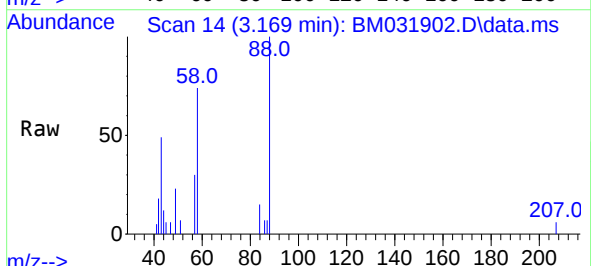
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:152 Resp: 29570  
Ion Ratio Lower Upper  
152 100  
150 163.0 122.4 183.6  
115 66.0 53.8 80.8

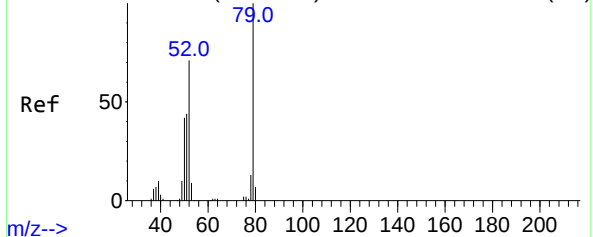


#2  
1,4-Dioxane  
Concen: 7.756 ng  
RT: 3.169 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 88 Resp: 5656  
Ion Ratio Lower Upper  
88 100  
58 68.6 50.4 75.6  
43 45.4 22.2 33.2#



Abundance Scan 79 (3.551 min): BM031887.D\data.ms (-74)



#3

Pyridine

Concen: 6.925 ng

RT: 3.563 min Scan# 81

Delta R.T. 0.012 min

Lab File: BM031902.D

Acq: 25 Aug 2021 23:45

Tgt Ion: 79 Resp: 12607

Ion Ratio Lower Upper

79 100

52 82.5 48.6 73.0#

51 60.2 27.4 41.2#

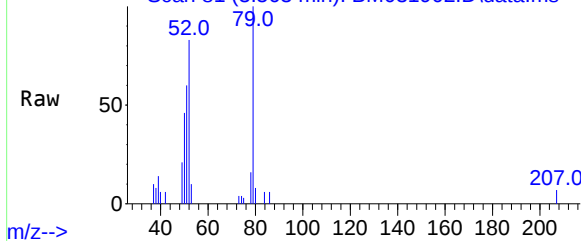
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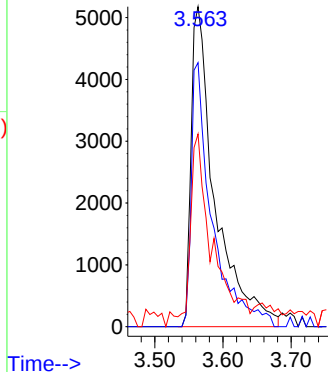
ClientSampleId :

MDL-SOIL-03-QT2-2021

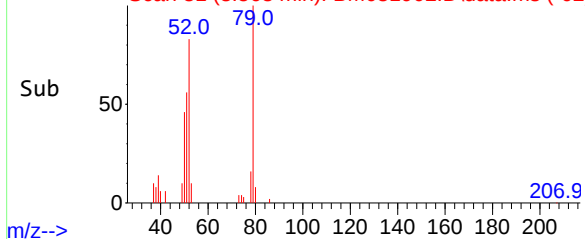
Abundance Scan 81 (3.563 min): BM031902.D\data.ms



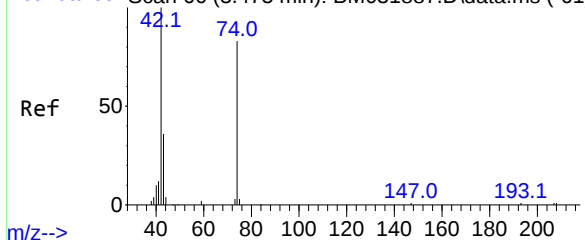
Abundance



Abundance Scan 81 (3.563 min): BM031902.D\data.ms (-62)



Abundance Scan 66 (3.475 min): BM031887.D\data.ms (-61)



#4

n-Nitrosodimethylamine

Concen: 8.910 ng

RT: 3.481 min Scan# 67

Delta R.T. 0.006 min

Lab File: BM031902.D

Acq: 25 Aug 2021 23:45

Tgt Ion: 42 Resp: 11019

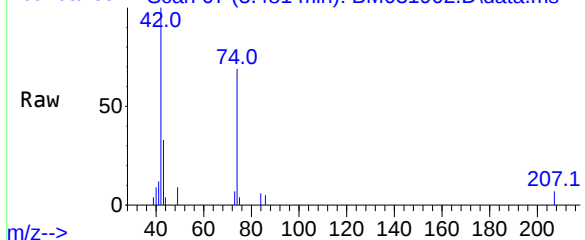
Ion Ratio Lower Upper

42 100

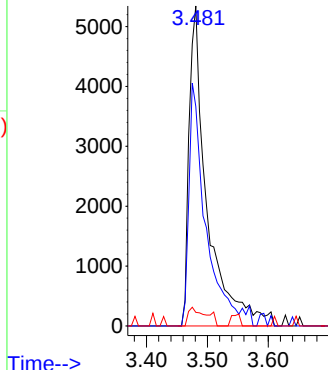
74 68.6 99.5 149.3#

44 4.3 57.3 85.9#

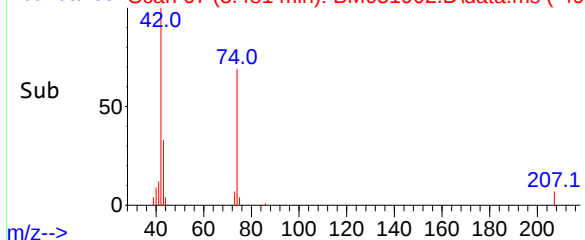
Abundance Scan 67 (3.481 min): BM031902.D\data.ms

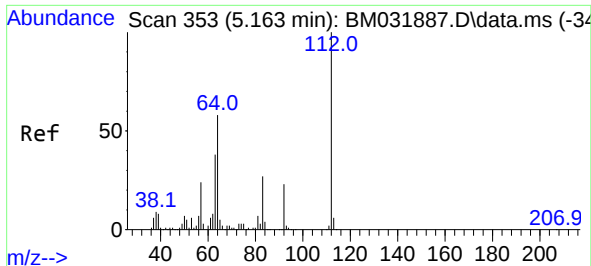


Abundance



Abundance Scan 67 (3.481 min): BM031902.D\data.ms (-49)

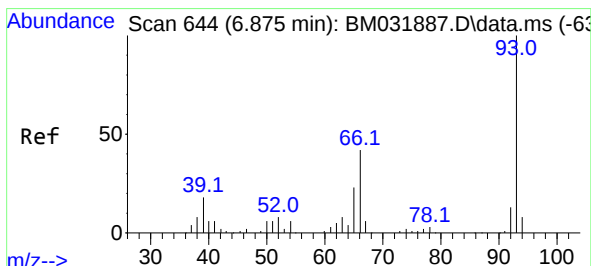
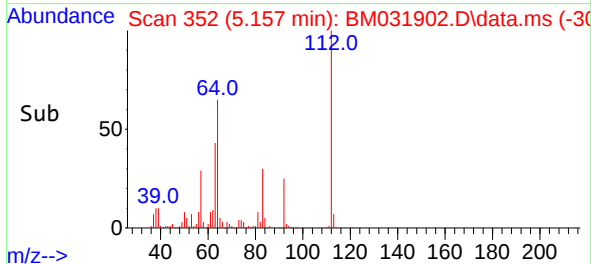
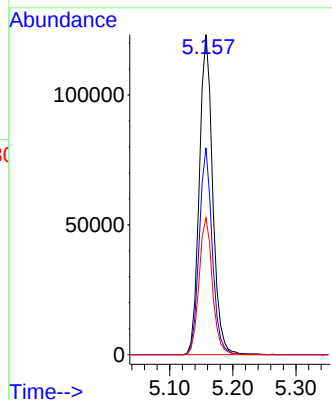
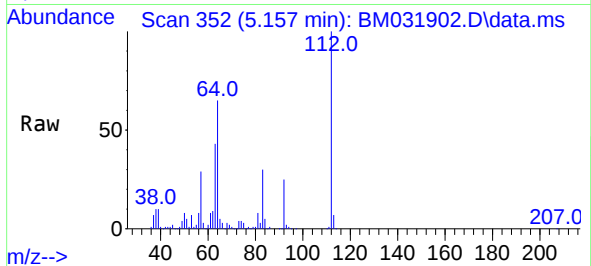




#5  
2-Fluorophenol  
Concen: 101.130 ng  
RT: 5.157 min Scan# 352  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

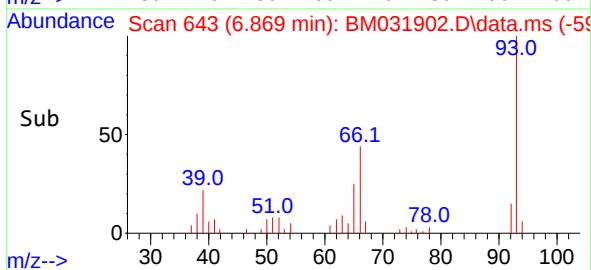
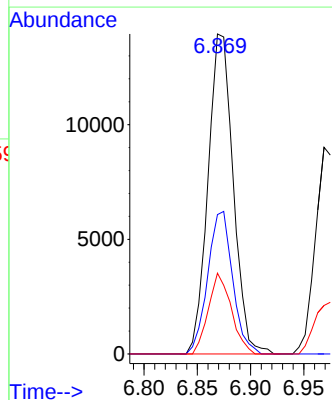
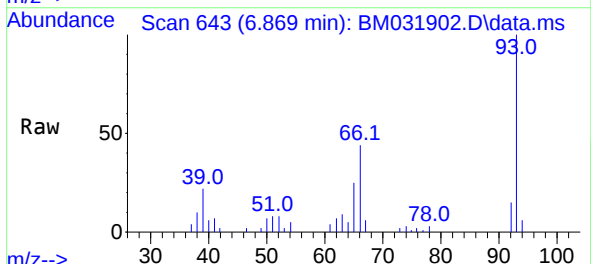
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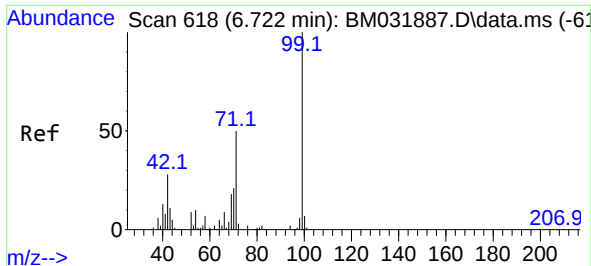
Tgt Ion:112 Resp: 180884  
Ion Ratio Lower Upper  
112 100  
64 64.7 53.7 80.5  
63 42.8 33.9 50.9



#6  
Aniline  
Concen: 8.556 ng  
RT: 6.869 min Scan# 643  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 93 Resp: 23002  
Ion Ratio Lower Upper  
93 100  
66 43.5 35.3 52.9  
65 25.2 18.7 28.1

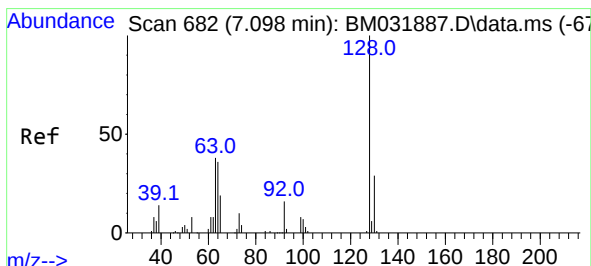
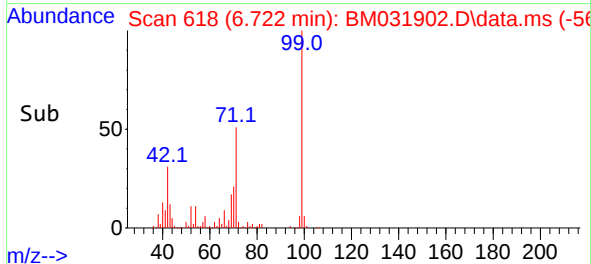
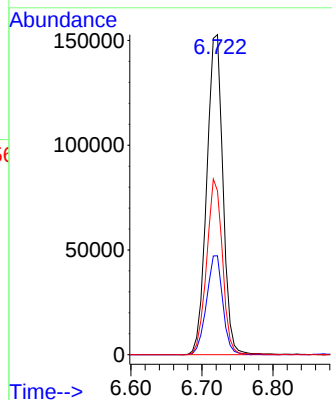
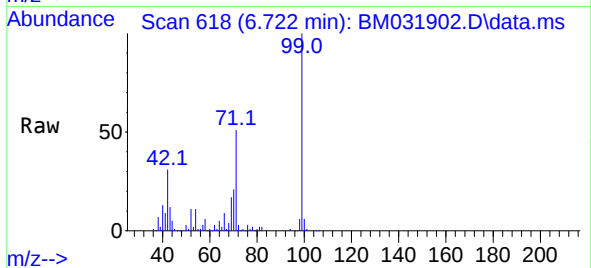




#7  
Phenol-d6  
Concen: 95.874 ng  
RT: 6.722 min Scan# 618  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

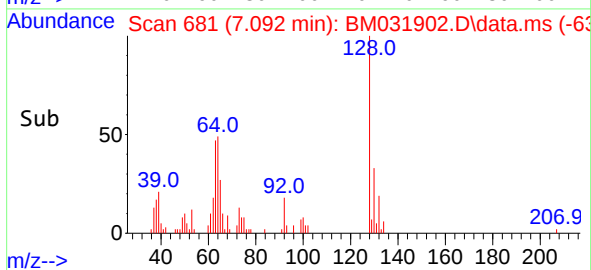
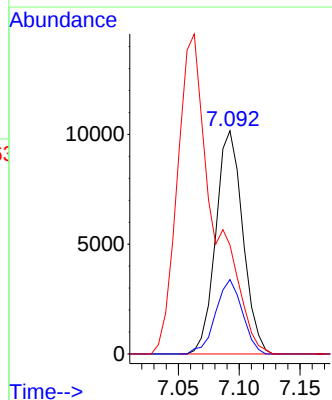
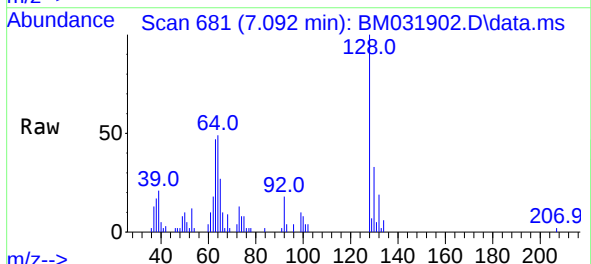
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BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

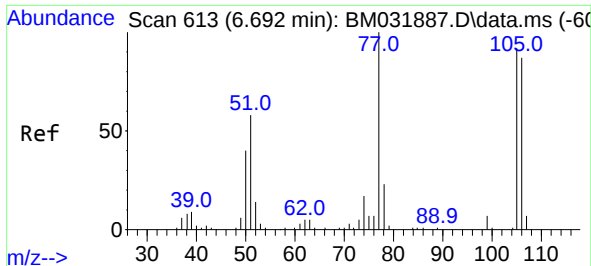
Tgt Ion: 99 Resp: 242632  
Ion Ratio Lower Upper  
99 100  
42 30.9 23.0 34.6  
71 51.2 37.8 56.8



#8  
2-Chlorophenol  
Concen: 7.535 ng  
RT: 7.092 min Scan# 681  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 128 Resp: 15691  
Ion Ratio Lower Upper  
128 100  
130 33.3 13.0 53.0  
64 48.8 33.4 73.4



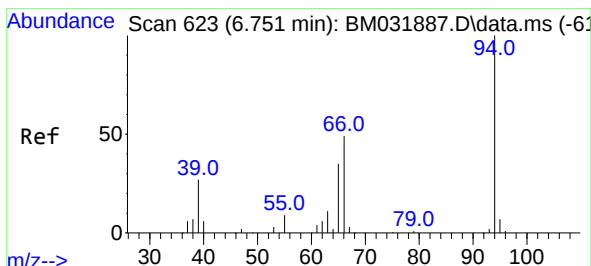
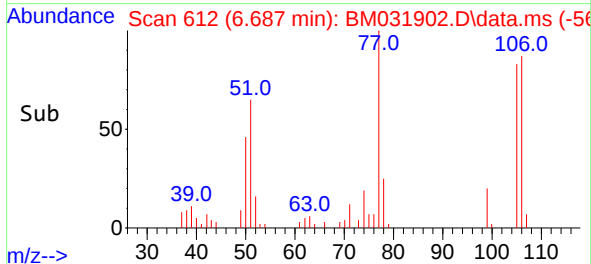
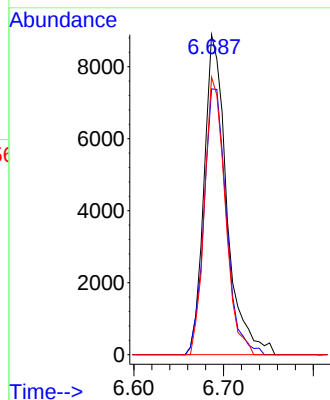
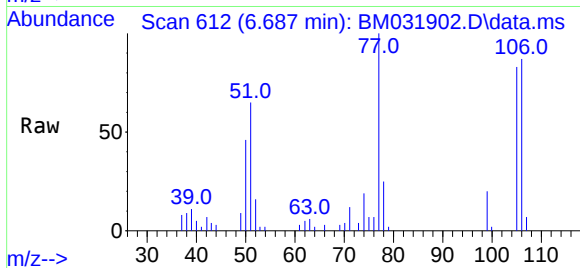


#9  
Benzaldehyde  
Concen: 9.311 ng  
RT: 6.687 min Scan# 612  
Delta R.T. -0.005 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion: 77 Resp: 15629

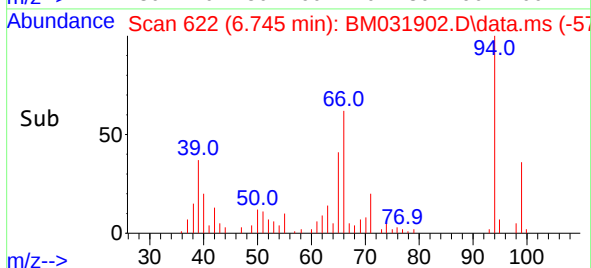
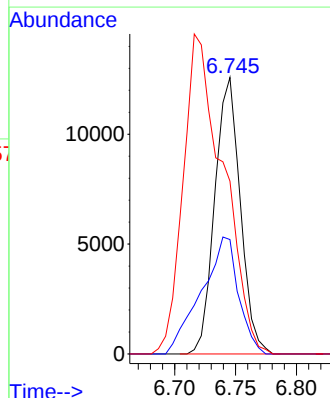
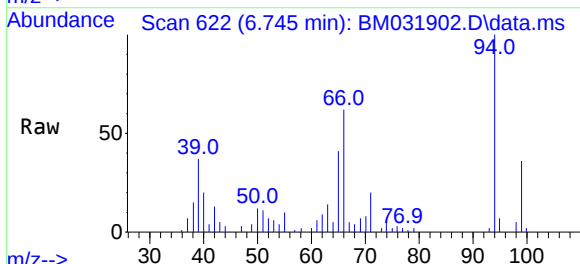
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 83.1  | 68.9  | 108.9 |
| 106 | 86.7  | 61.2  | 101.2 |

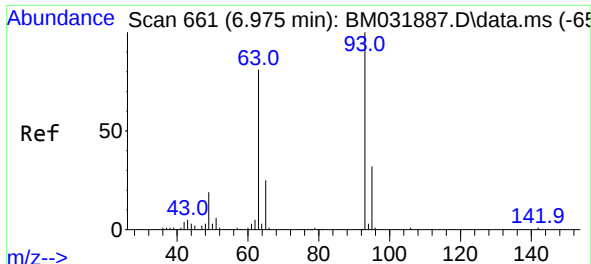


#10  
Phenol  
Concen: 7.335 ng  
RT: 6.745 min Scan# 622  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 94 Resp: 18357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 41.4  | 16.9  | 56.9  |
| 66  | 62.5  | 30.0  | 70.0  |



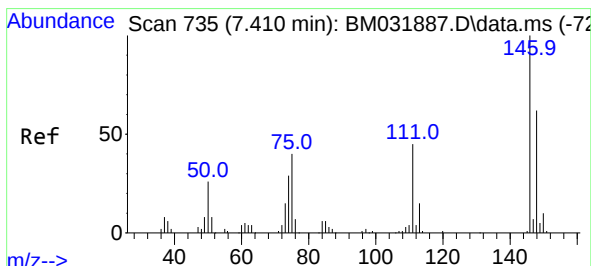
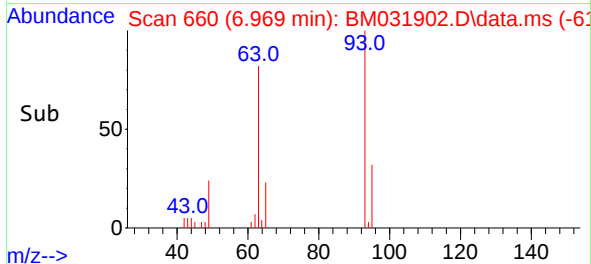
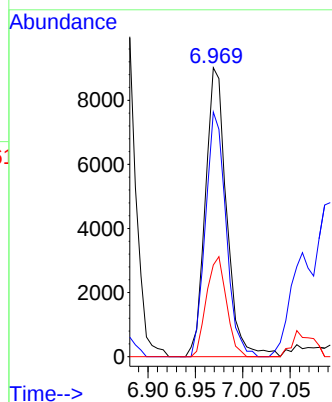
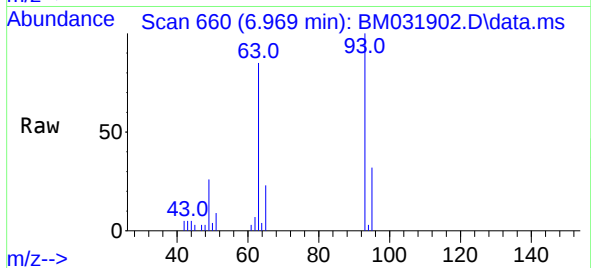


#11  
bis(2-Chloroethyl)ether  
Concen: 7.706 ng  
RT: 6.969 min Scan# 660  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion: 93 Resp: 14068  

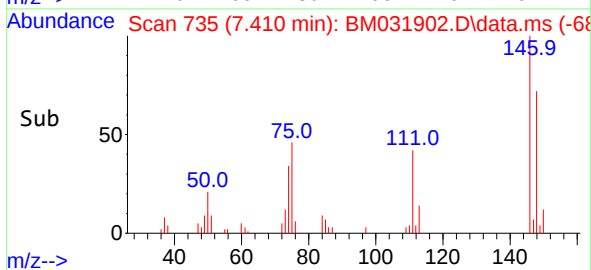
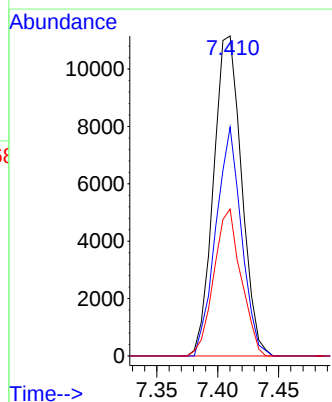
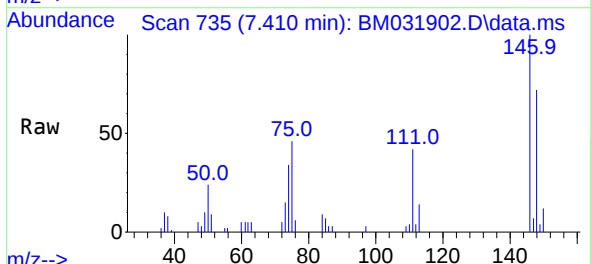
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 84.7  | 63.7  | 103.7 |
| 95  | 31.7  | 12.4  | 52.4  |

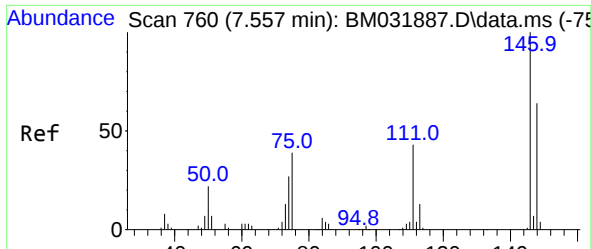


#12  
1,3-Dichlorobenzene  
Concen: 7.763 ng  
RT: 7.410 min Scan# 735  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 146 Resp: 17855  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 71.5  | 52.3  | 78.5  |
| 75  | 45.9  | 34.2  | 51.2  |

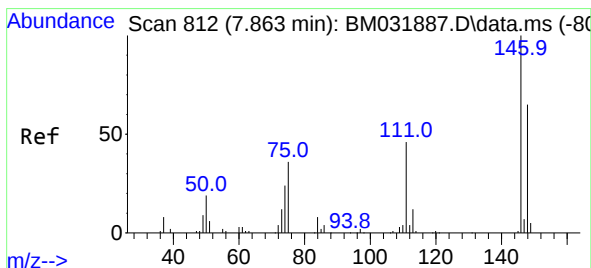
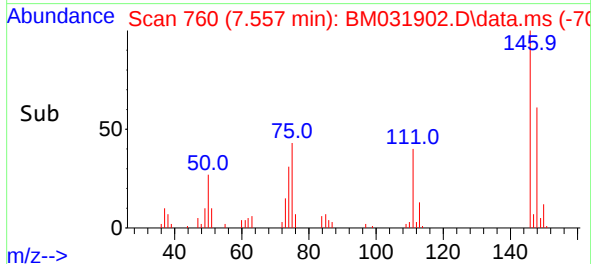
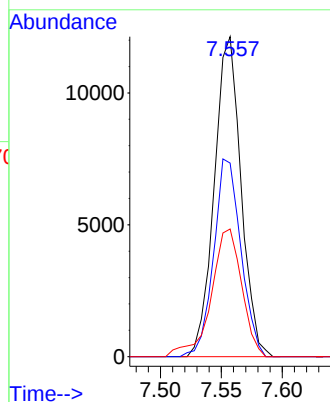
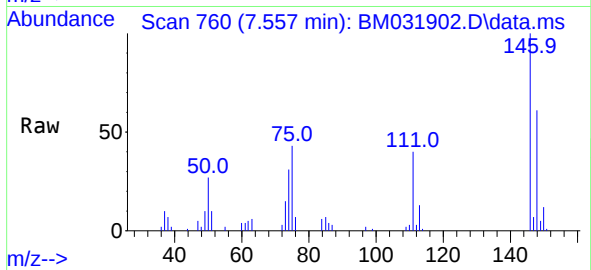




#13  
1,4-Dichlorobenzene  
Concen: 7.862 ng  
RT: 7.557 min Scan# 760  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

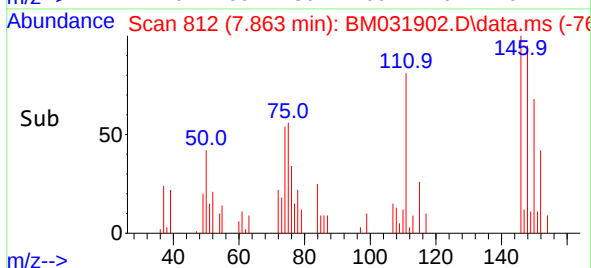
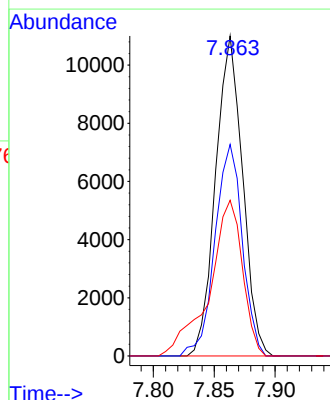
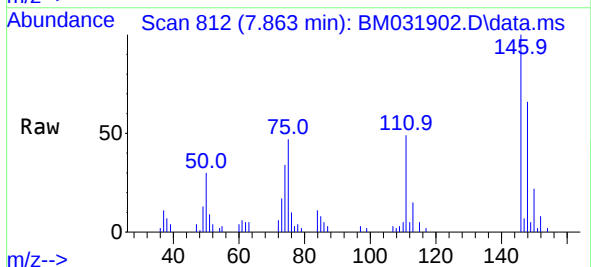
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

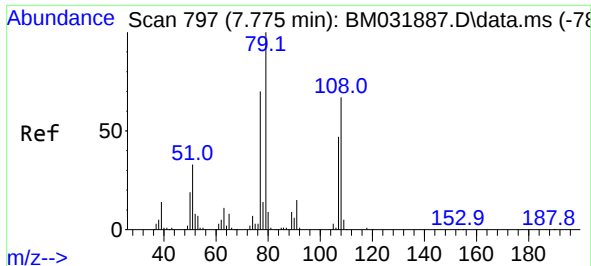
Tgt Ion:146 Resp: 18527  
Ion Ratio Lower Upper  
146 100  
148 60.5 51.1 76.7  
111 39.9 35.3 52.9



#14  
1,2-Dichlorobenzene  
Concen: 7.391 ng  
RT: 7.863 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:146 Resp: 16959  
Ion Ratio Lower Upper  
146 100  
148 66.1 51.7 77.5  
111 48.7 38.2 57.2



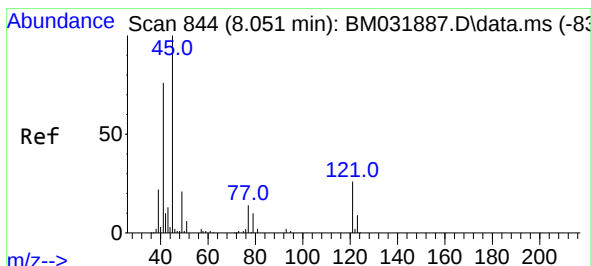
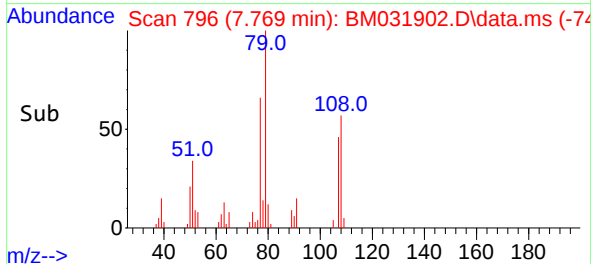
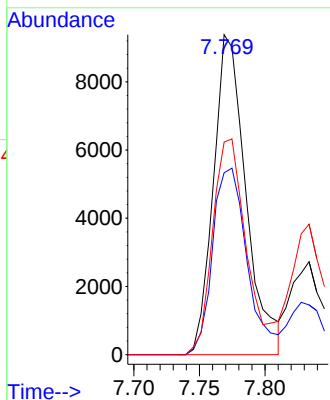
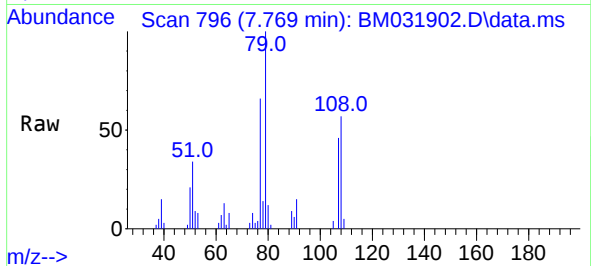


#15  
Benzyl Alcohol  
Concen: 7.505 ng  
RT: 7.769 min Scan# 796  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion: 79 Resp: 16203

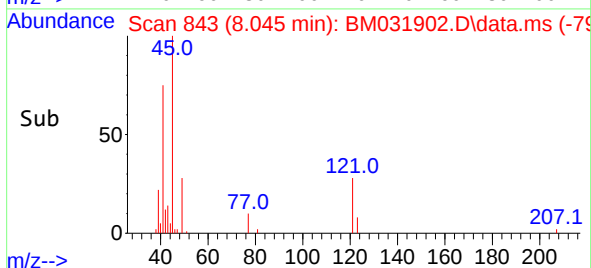
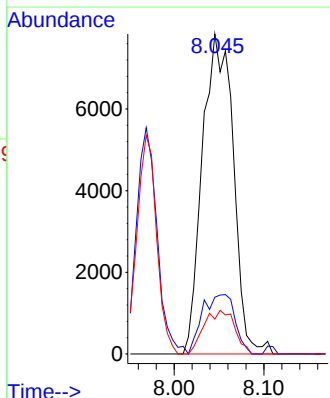
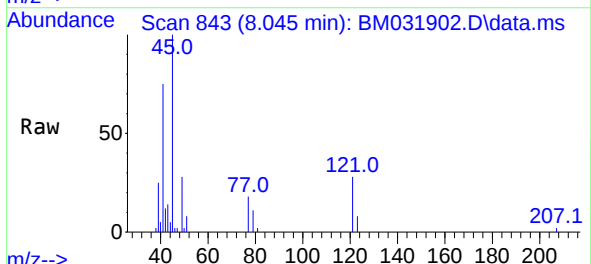
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 56.8  | 53.6  | 80.4  |
| 77  | 66.5  | 57.7  | 86.5  |

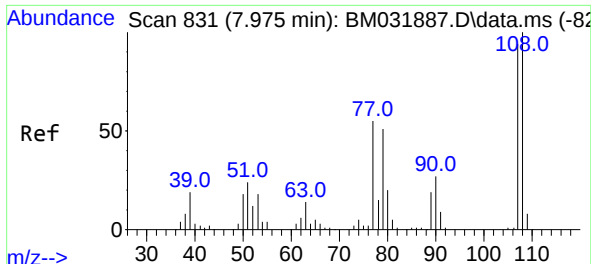


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.653 ng  
RT: 8.045 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 45 Resp: 18744

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 17.7  | 0.0   | 36.1  |
| 79  | 10.9  | 0.0   | 30.5  |

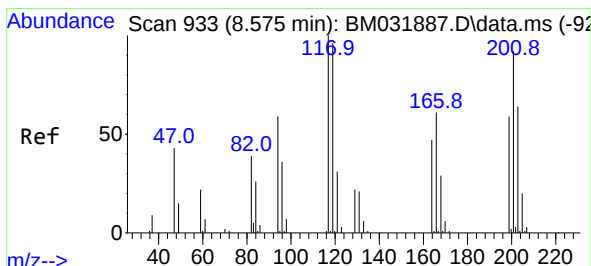
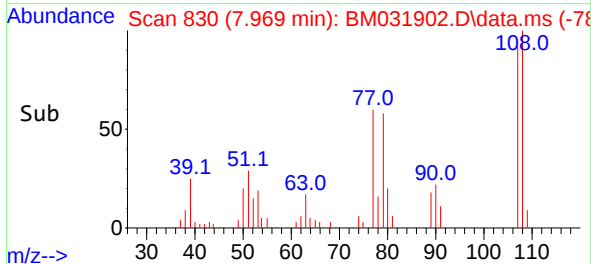
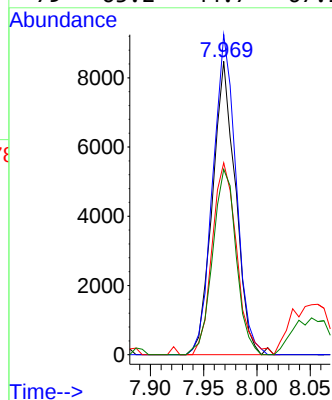
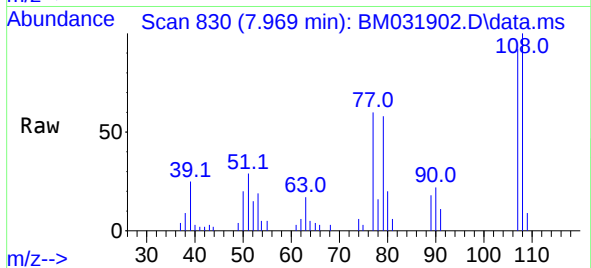




#17  
2-Methylphenol  
Concen: 7.122 ng  
RT: 7.969 min Scan# 830  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

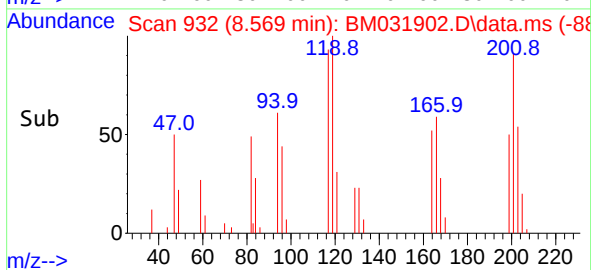
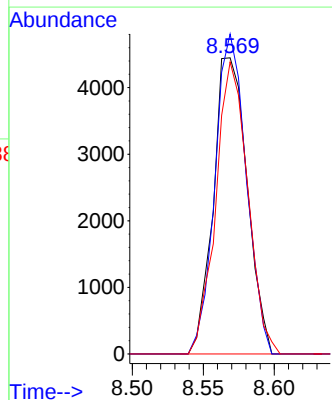
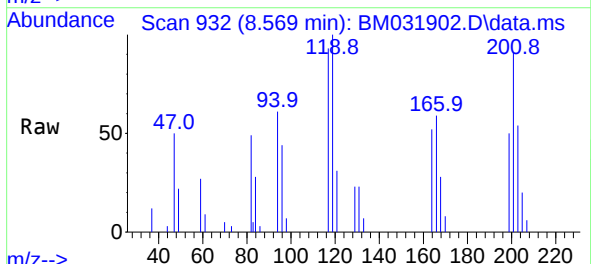
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

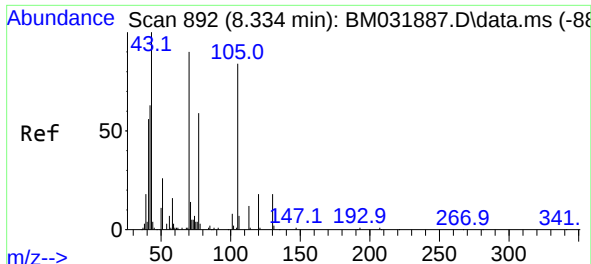
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 12716 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 109.1 | 87.9  | 131.9 |
| 77       | 65.4  | 48.2  | 72.2  |
| 79       | 63.2  | 44.7  | 67.1  |



#18  
Hexachloroethane  
Concen: 7.551 ng  
RT: 8.569 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 7371  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 108.0 | 77.7  | 116.5 |
| 201      | 98.6  | 70.2  | 105.2 |



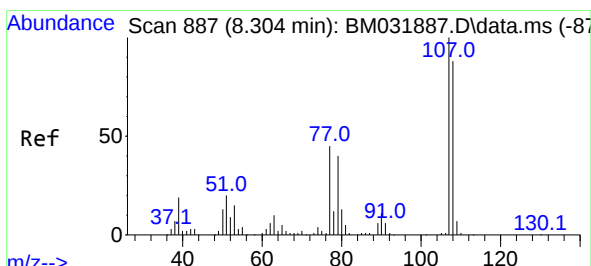
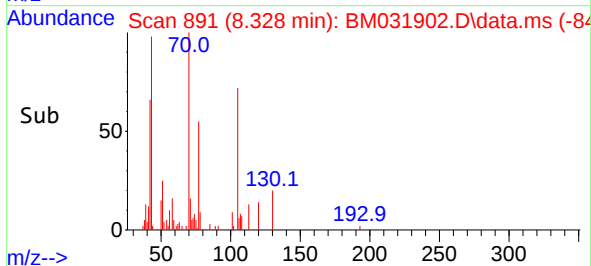
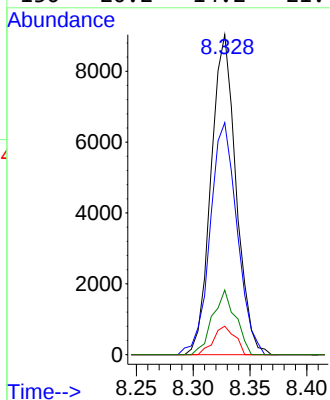
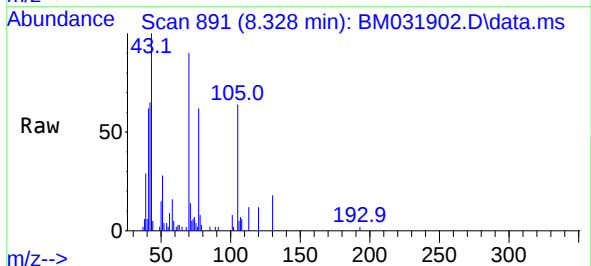


#19  
n-Nitroso-di-n-propylamine  
Concen: 7.101 ng  
RT: 8.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion: 70 Resp: 13846

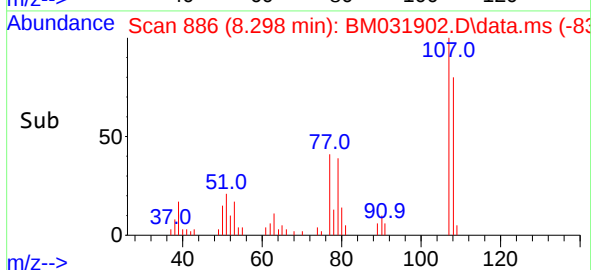
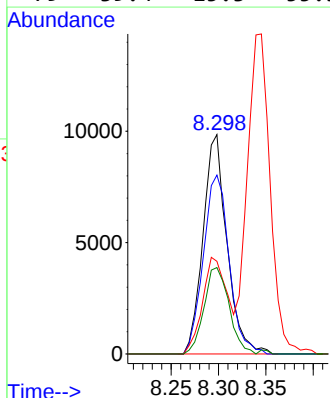
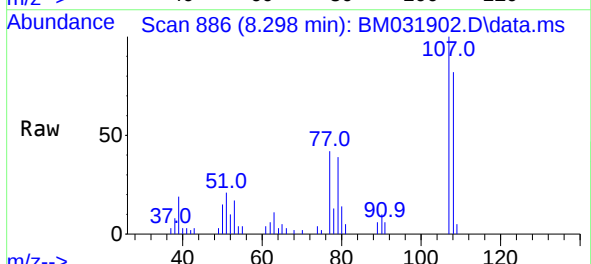
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 72.5  | 56.3  | 84.5  |
| 101 | 8.9   | 7.8   | 11.6  |
| 130 | 20.2  | 14.2  | 21.4  |

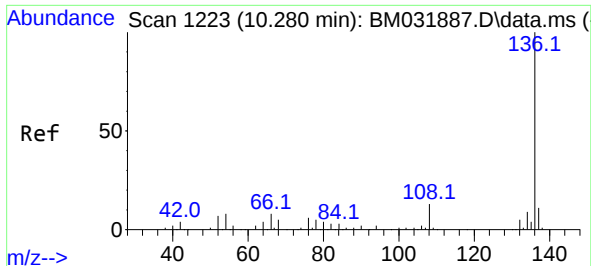


#20  
3+4-Methylphenols  
Concen: 7.057 ng  
RT: 8.298 min Scan# 886  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 107 Resp: 17335

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 81.6  | 67.6  | 107.6 |
| 77  | 42.3  | 21.9  | 61.9  |
| 79  | 39.4  | 15.3  | 55.3  |

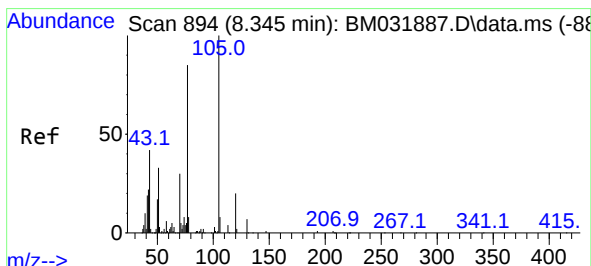
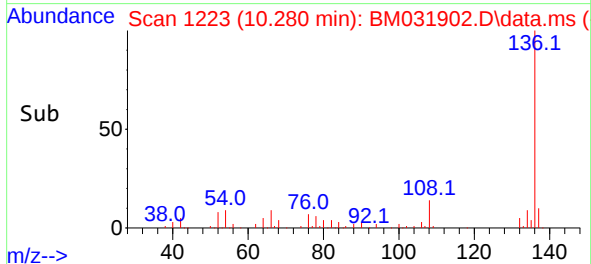
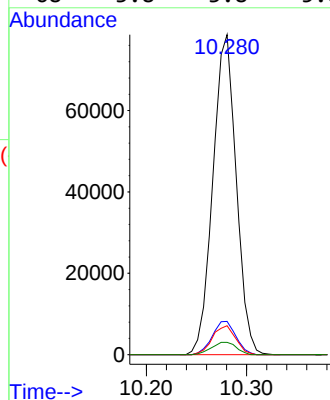
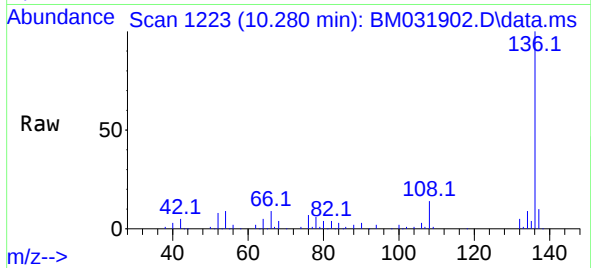




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.280 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

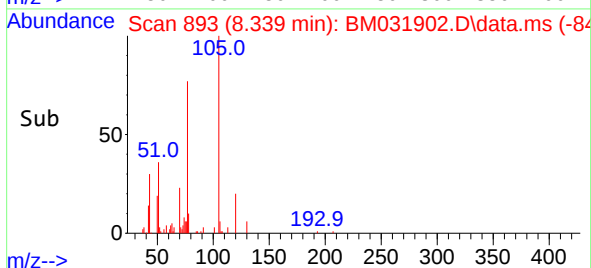
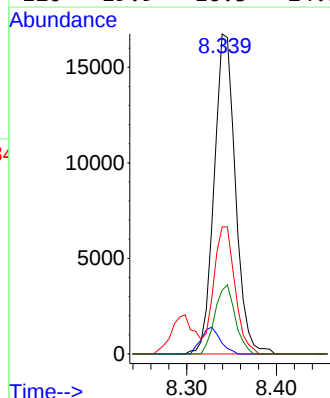
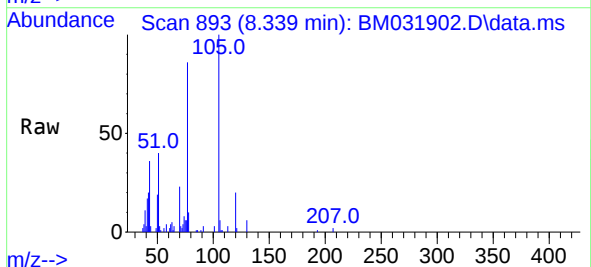
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

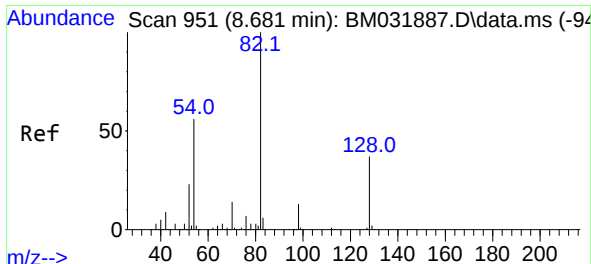
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 127051 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.4    | 8.7 13.1     |
| 54 9.0      | 7.4 11.0     |
| 68 3.8      | 3.8 5.8#     |



#22  
Acetophenone  
Concen: 7.998 ng  
RT: 8.339 min Scan# 893  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |             |
|-------------|-------------|
| Tgt Ion:105 | Resp: 27622 |
| Ion Ratio   | Lower Upper |
| 105 100     |             |
| 71 3.3      | 3.8 5.6#    |
| 51 39.7     | 29.5 44.3   |
| 120 19.9    | 16.3 24.5   |





#23

Nitrobenzene-d5

Concen: 80.917 ng

RT: 8.675 min Scan# 950

Delta R.T. -0.006 min

Lab File: BM031902.D

Acq: 25 Aug 2021 23:45

Instrument :

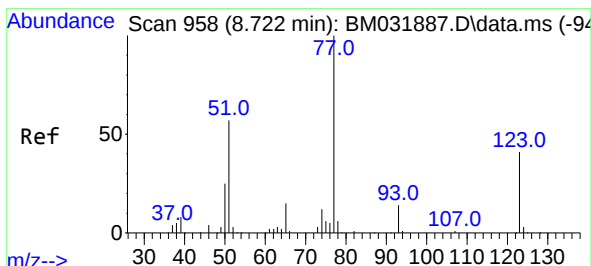
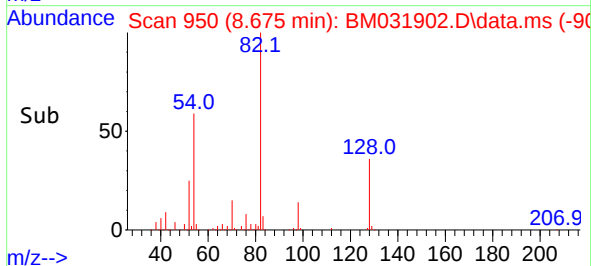
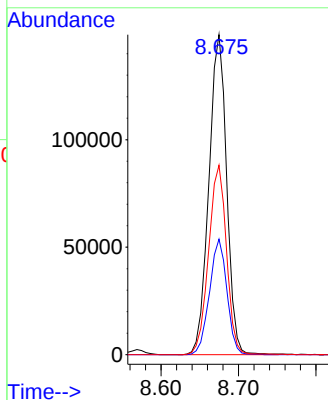
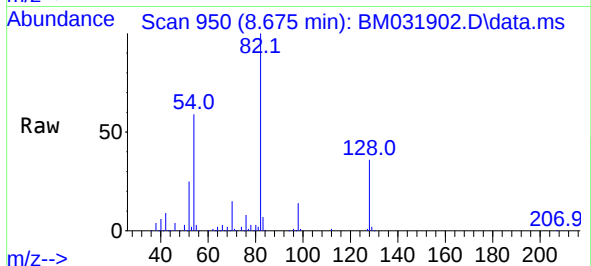
BNA\_M

ClientSampleId :

MDL-SOIL-03-QT2-2021

Tgt Ion: 82 Resp: 237344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.1  | 29.0  | 43.6  |
| 54  | 59.2  | 45.8  | 68.8  |



#24

Nitrobenzene

Concen: 7.937 ng

RT: 8.716 min Scan# 957

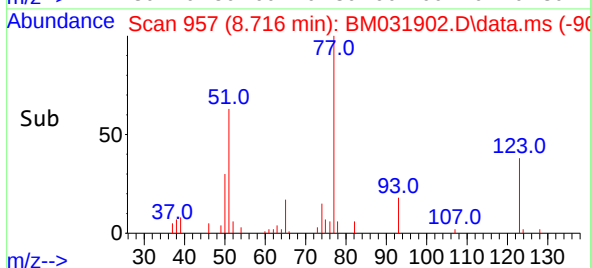
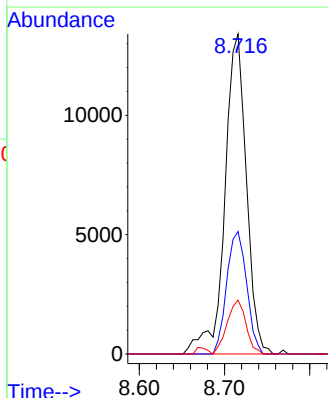
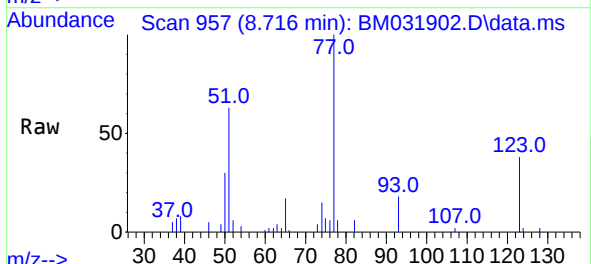
Delta R.T. -0.006 min

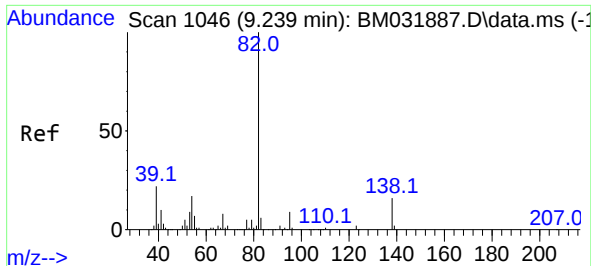
Lab File: BM031902.D

Acq: 25 Aug 2021 23:45

Tgt Ion: 77 Resp: 23572

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 38.3  | 30.1  | 45.1  |
| 65  | 16.8  | 11.7  | 17.5  |

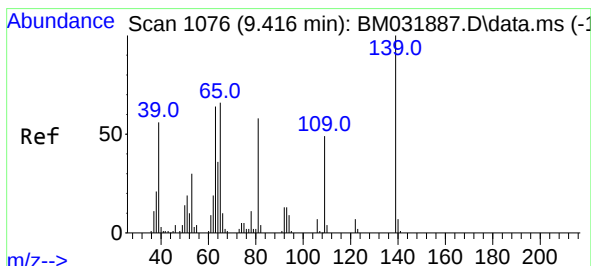
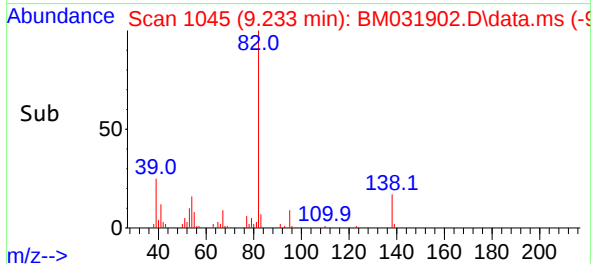
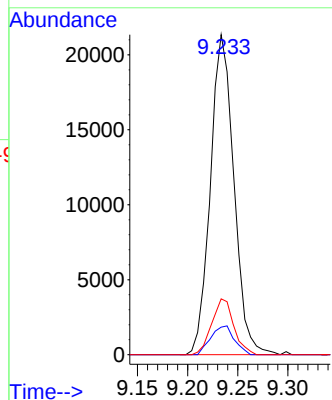
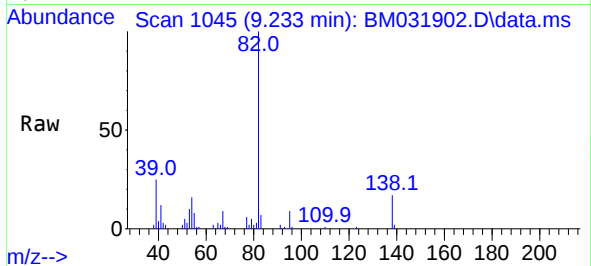




#25  
Isophorone  
Concen: 6.885 ng  
RT: 9.233 min Scan# 1045  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

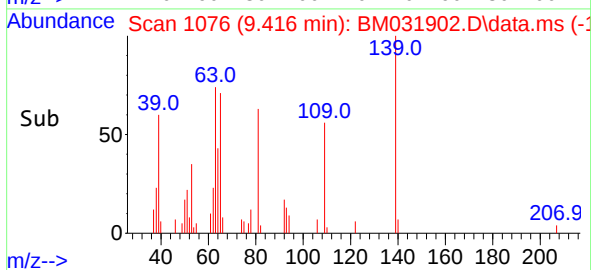
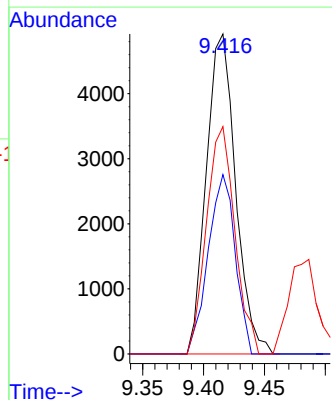
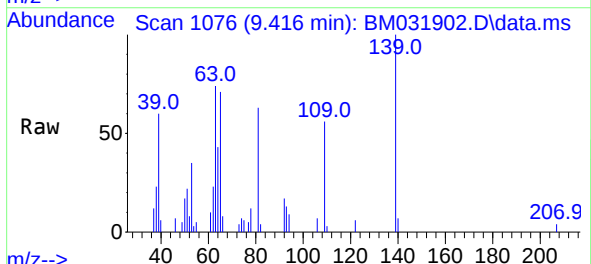
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BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

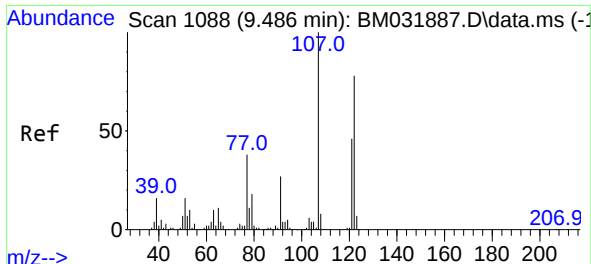
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 34876 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 95       | 8.6   | 6.4   | 9.6   |
| 138      | 17.5  | 12.4  | 18.6  |



#26  
2-Nitrophenol  
Concen: 6.916 ng  
RT: 9.416 min Scan# 1076  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 8223  |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 109      | 56.1  | 34.8  | 52.2# |
| 65       | 71.0  | 59.9  | 89.9  |

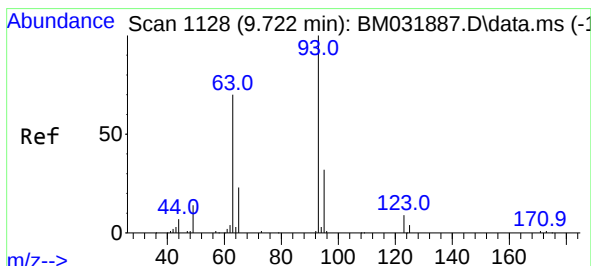
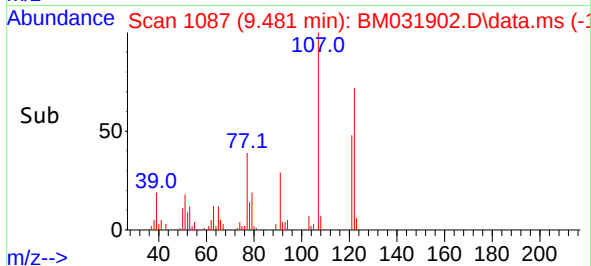
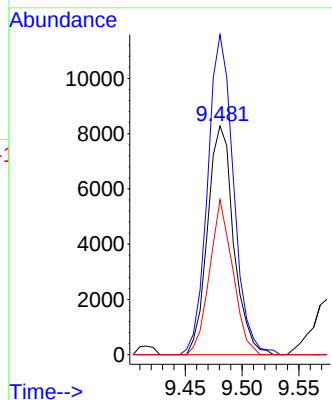
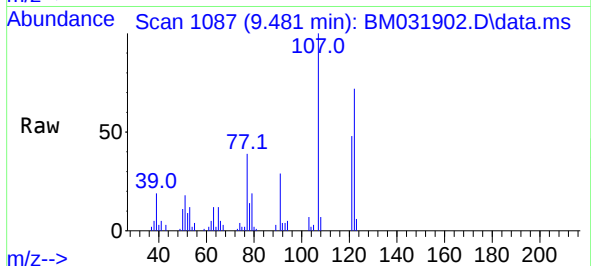




#27  
2,4-Dimethylphenol  
Concen: 7.391 ng  
RT: 9.481 min Scan# 1087  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

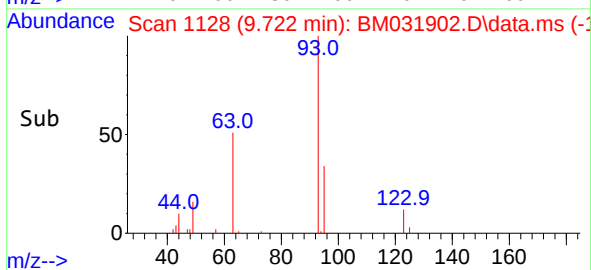
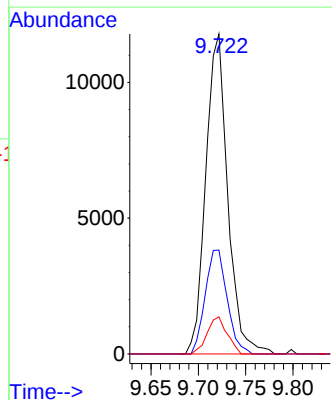
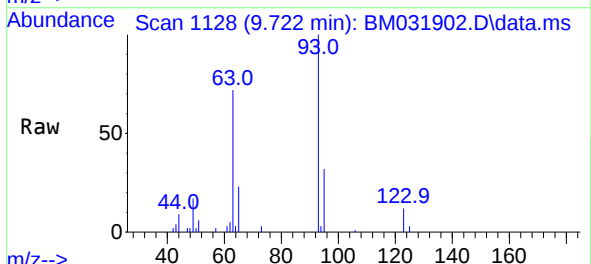
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

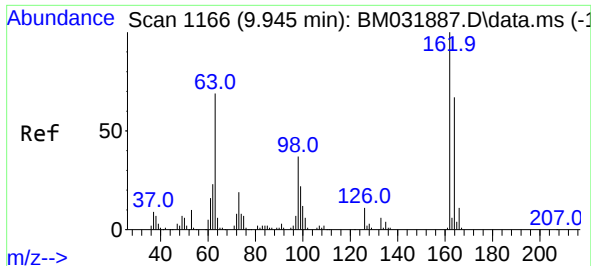
Tgt Ion:122 Resp: 13225  
Ion Ratio Lower Upper  
122 100  
107 139.8 100.6 150.8  
121 67.7 47.3 70.9



#28  
bis(2-Chloroethoxy)methane  
Concen: 7.665 ng  
RT: 9.722 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion: 93 Resp: 18965  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.8 38.8  
123 11.6 8.8 13.2

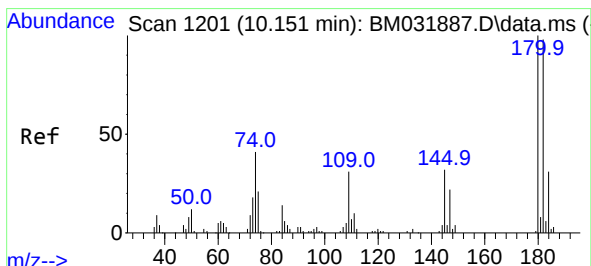
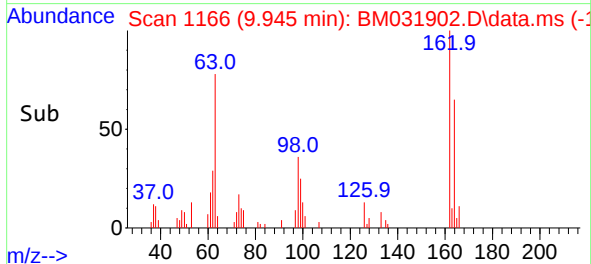
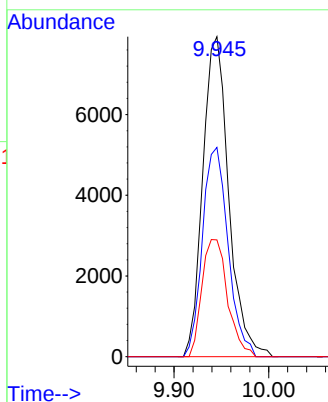
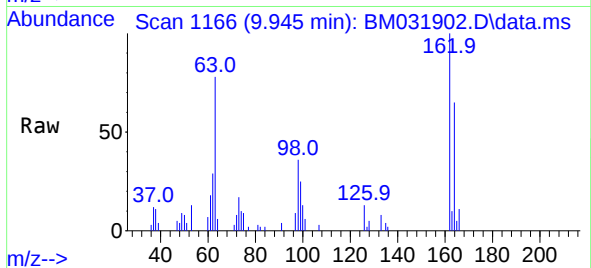




#29  
2,4-Dichlorophenol  
Concen: 7.186 ng  
RT: 9.945 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

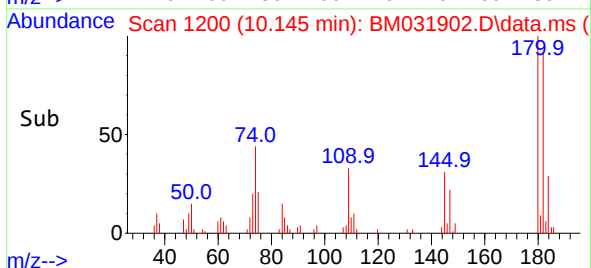
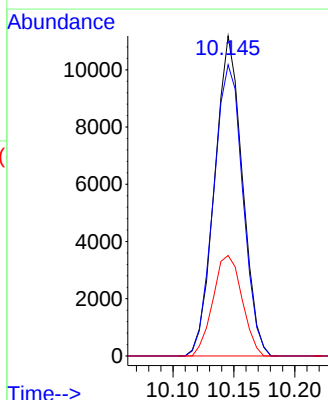
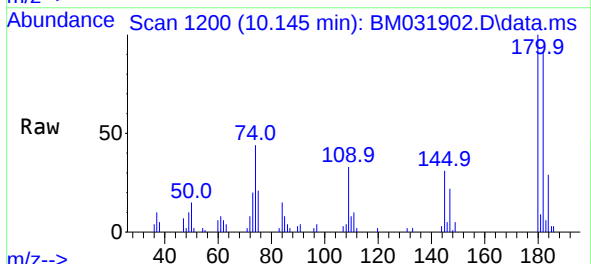
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

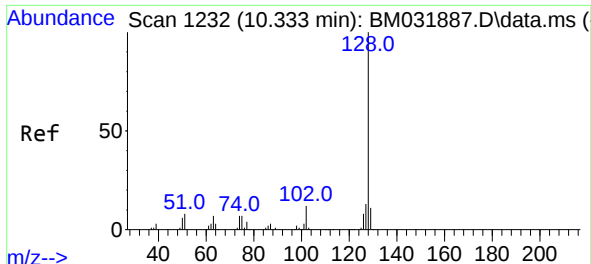
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 15100 |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 164      | 65.4  | 47.4  | 87.4  |
| 98       | 36.5  | 18.9  | 58.9  |



#30  
1,2,4-Trichlorobenzene  
Concen: 7.668 ng  
RT: 10.145 min Scan# 1200  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 17678 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.0  | 75.5  | 113.3 |
| 145      | 31.4  | 26.2  | 39.2  |

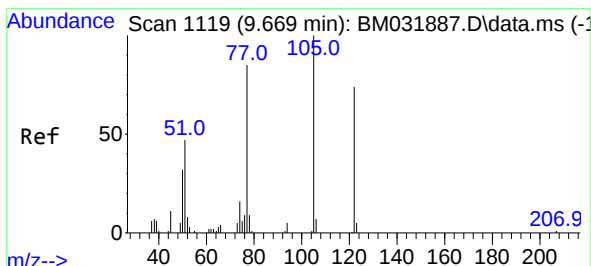
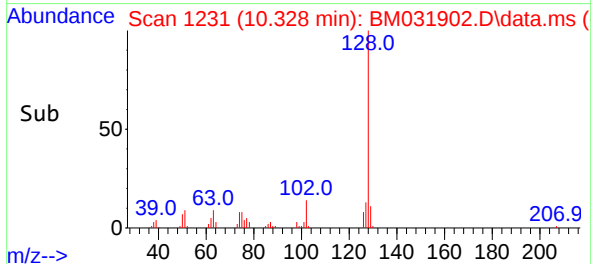
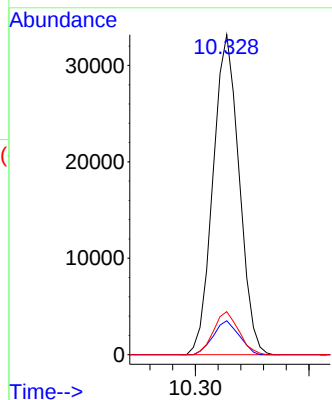
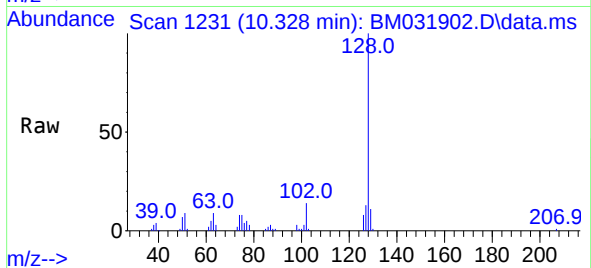




#31  
Naphthalene  
Concen: 7.468 ng  
RT: 10.328 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

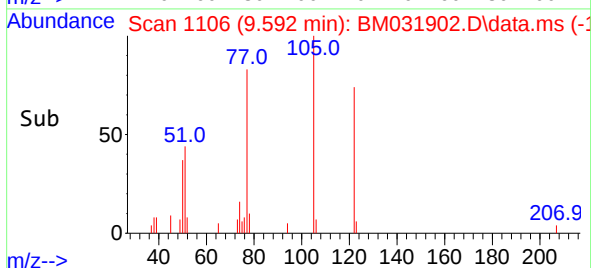
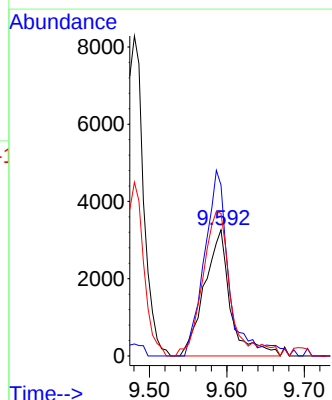
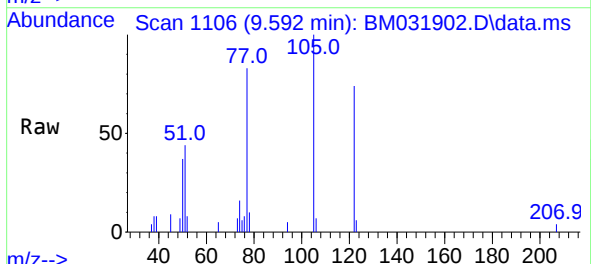
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

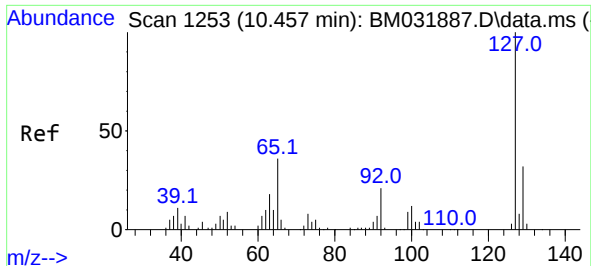
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 53020 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.6  | 8.6   | 13.0  |
| 127      | 13.5  | 10.4  | 15.6  |



#32  
Benzoic acid  
Concen: 5.006 ng  
RT: 9.592 min Scan# 1106  
Delta R.T. -0.076 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 7632  |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 105      | 135.6 | 120.3 | 160.3 |
| 77       | 113.1 | 100.0 | 140.0 |

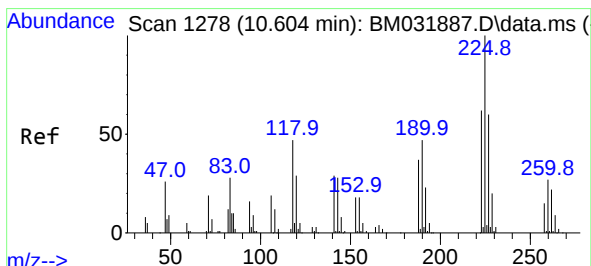
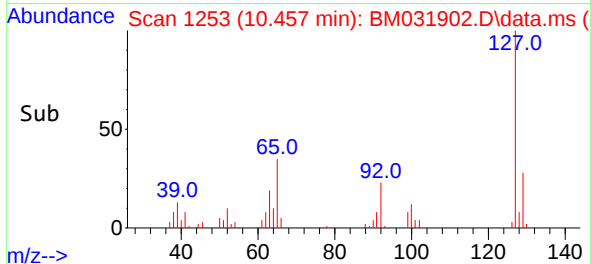
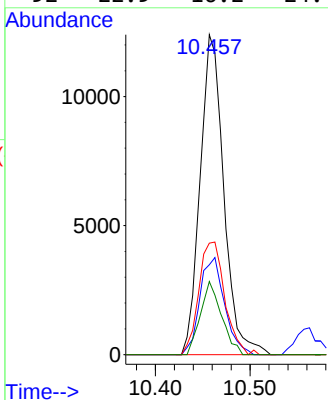
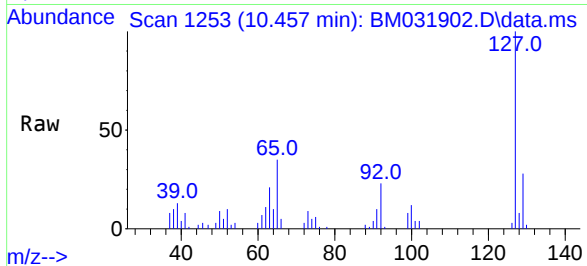




#33  
4-Chloroaniline  
Concen: 7.593 ng  
RT: 10.457 min Scan# 1253  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

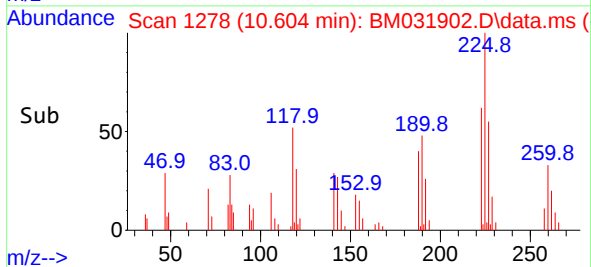
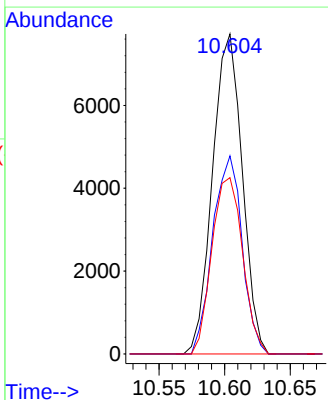
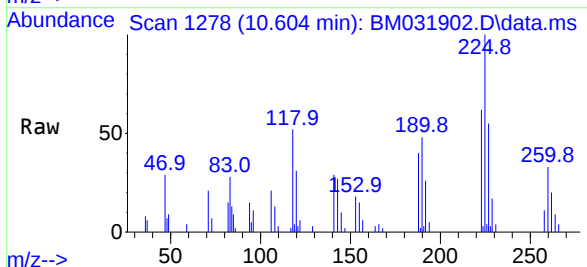
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

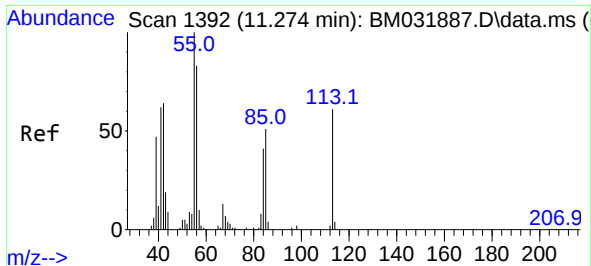
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 21553 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 28.1  | 25.6  | 38.4  |
| 65       | 34.8  | 30.4  | 45.6  |
| 92       | 22.9  | 16.2  | 24.4  |



#34  
Hexachlorobutadiene  
Concen: 7.982 ng  
RT: 10.604 min Scan# 1278  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 12172 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.9  | 52.6  | 78.8  |
| 227      | 55.1  | 51.2  | 76.8  |

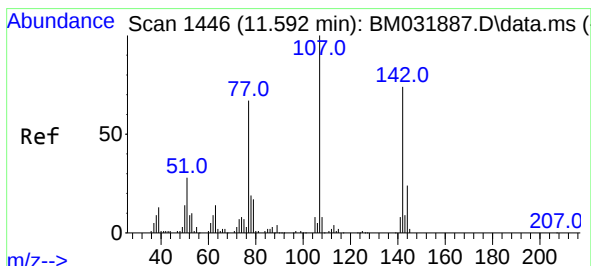
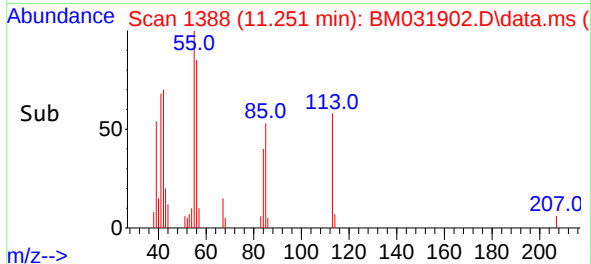
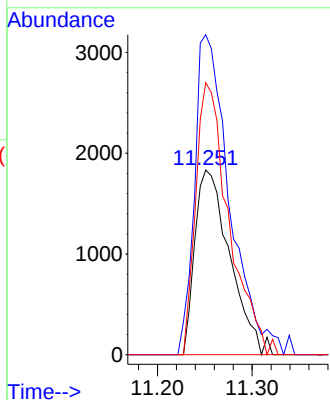
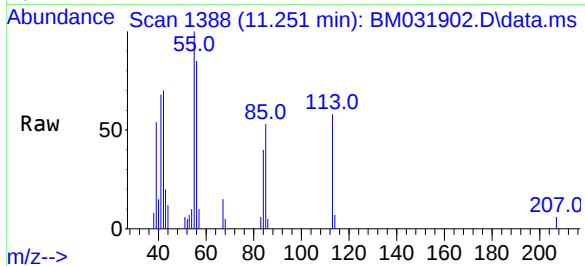




#35  
Caprolactam  
Concen: 7.339 ng  
RT: 11.251 min Scan# 1388  
Delta R.T. -0.023 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

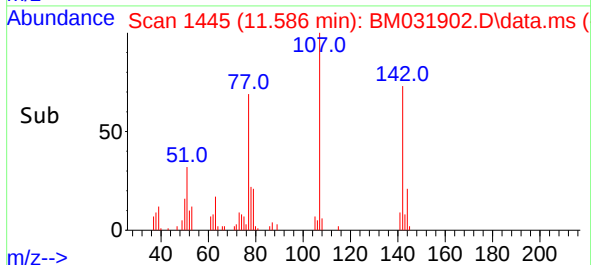
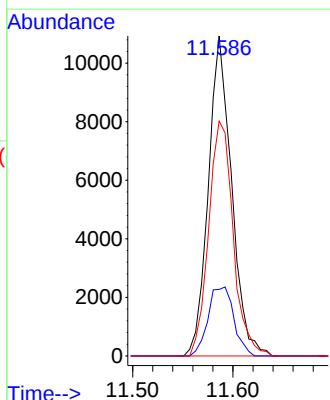
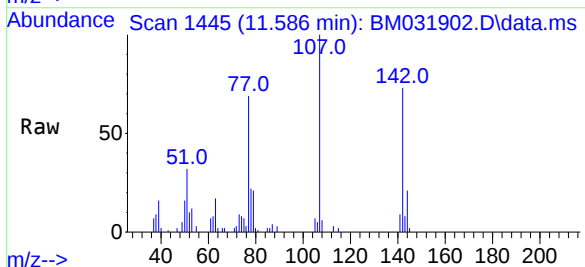
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

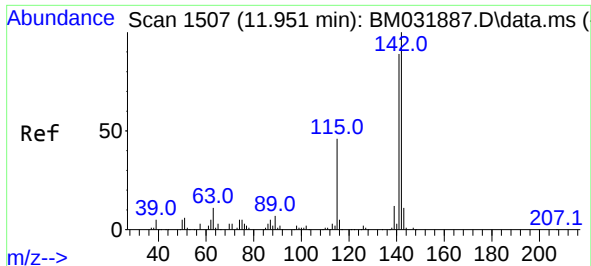
Tgt Ion:113 Resp: 4700  
Ion Ratio Lower Upper  
113 100  
55 173.2 170.5 210.5  
56 147.3 125.2 165.2



#36  
4-Chloro-3-methylphenol  
Concen: 7.065 ng  
RT: 11.586 min Scan# 1445  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:107 Resp: 17607  
Ion Ratio Lower Upper  
107 100  
144 20.8 19.3 28.9  
142 73.4 60.5 90.7

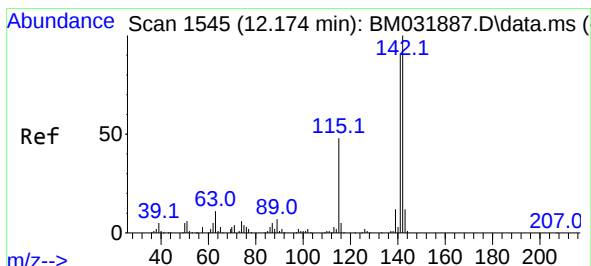
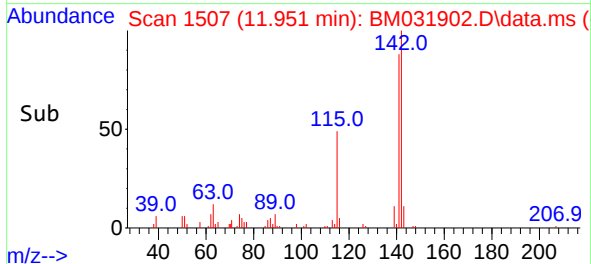
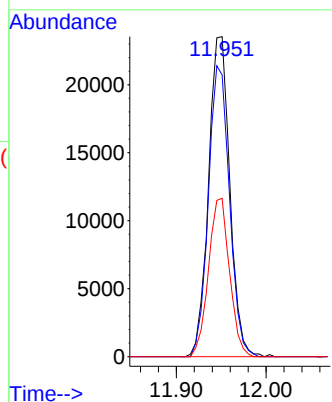
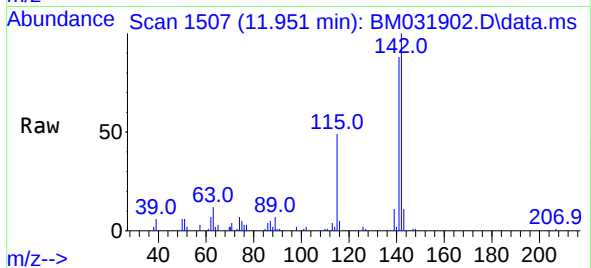




#37  
2-Methylnaphthalene  
Concen: 7.333 ng  
RT: 11.951 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

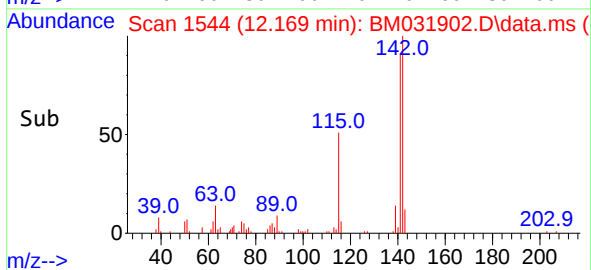
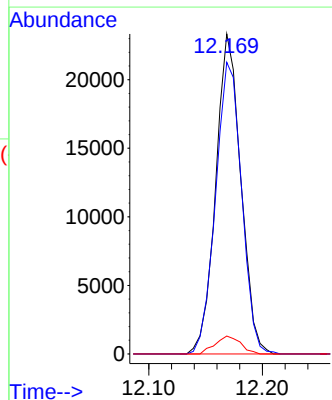
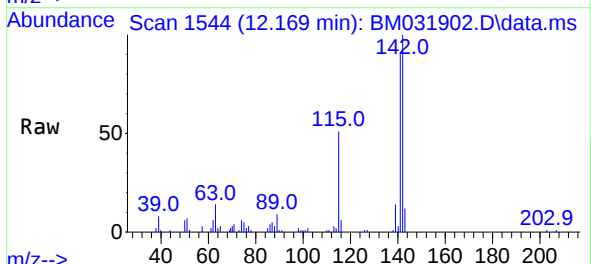
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

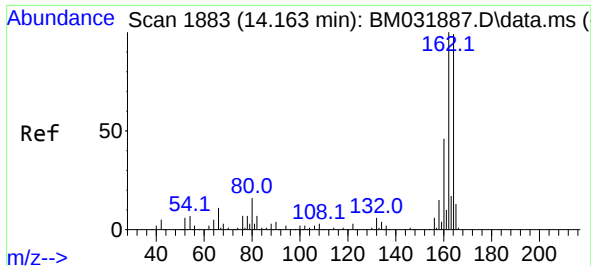
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 38762 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 88.1  | 71.8  | 107.6 |
| 115      | 49.5  | 36.3  | 54.5  |



#38  
1-Methylnaphthalene  
Concen: 7.149 ng  
RT: 12.169 min Scan# 1544  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 35747 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 91.2  | 75.6  | 113.4 |
| 116      | 5.6   | 4.0   | 6.0   |

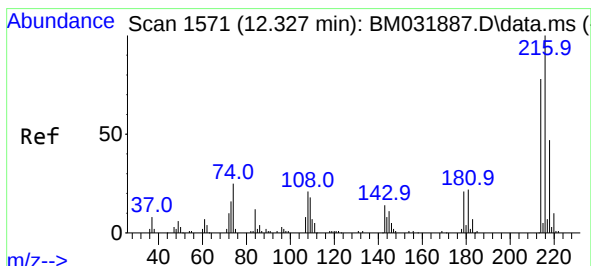
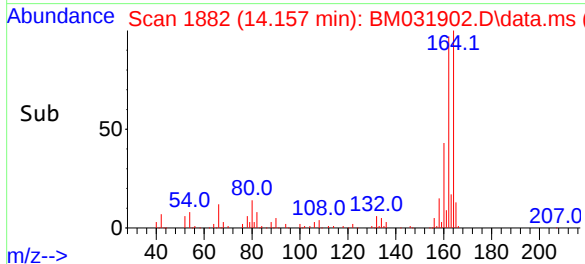
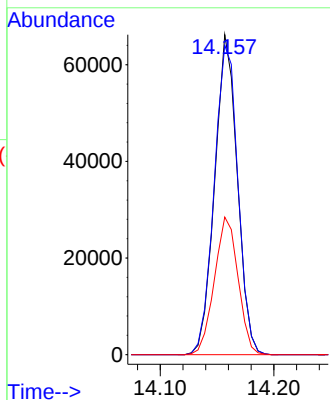
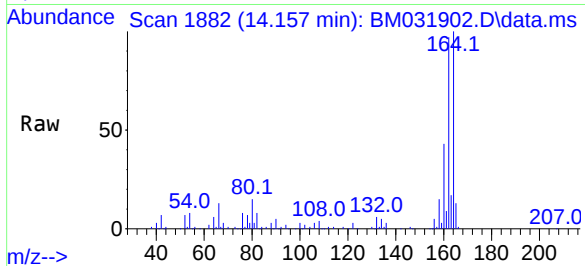




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.157 min Scan# 1882  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

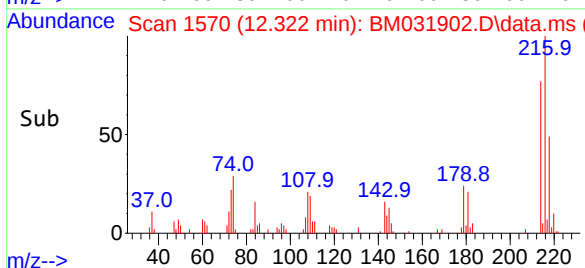
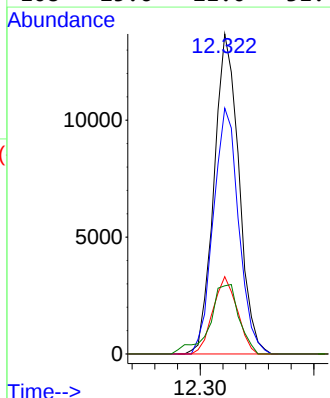
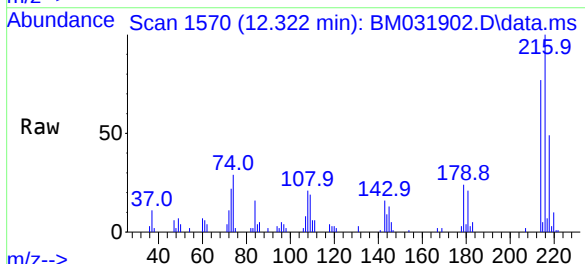
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

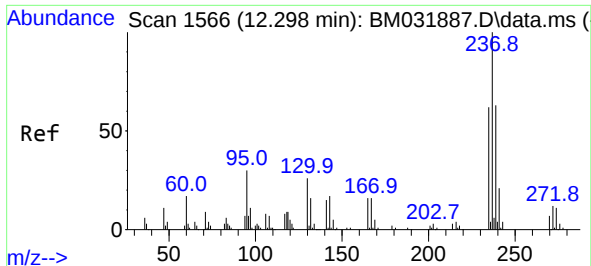
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 91641      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 96.6  | 80.6 121.0 |
| 160         | 43.0  | 35.1 52.7  |



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 7.745 ng  
RT: 12.322 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:216 | Resp: | 20793     |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 78.5  | 62.5 93.7 |
| 179         | 23.5  | 18.7 28.1 |
| 108         | 25.6  | 21.0 31.4 |

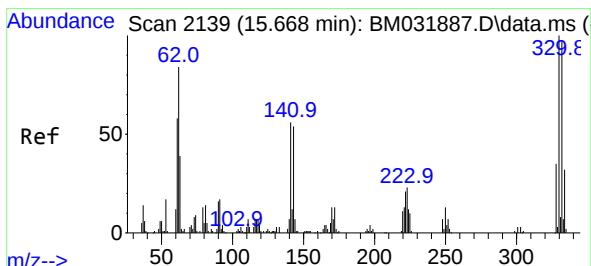
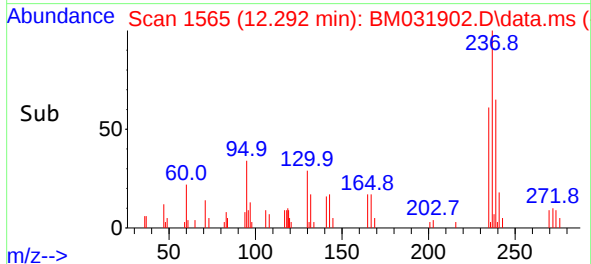
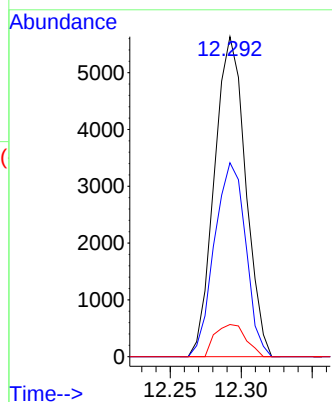
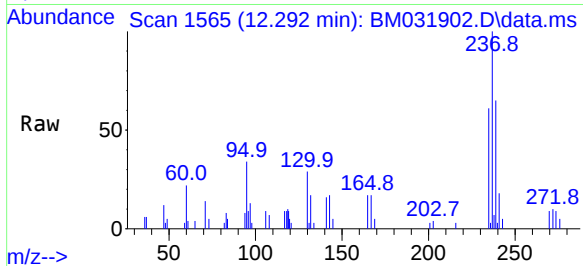




#41  
Hexachlorocyclopentadiene  
Concen: 6.574 ng  
RT: 12.292 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

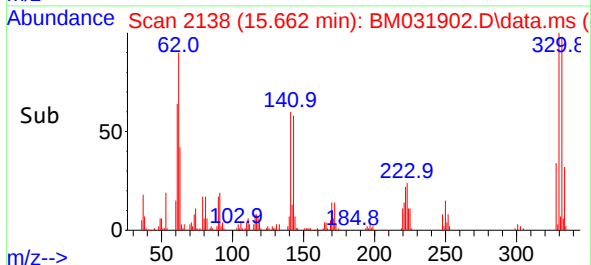
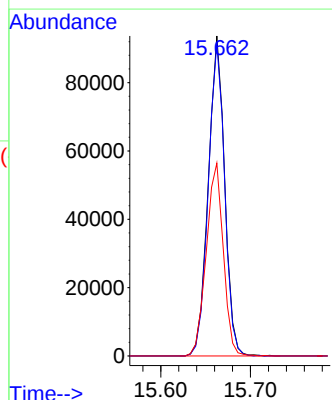
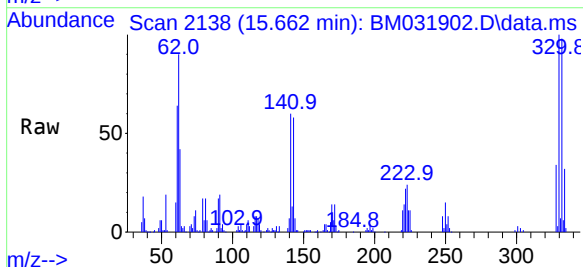
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

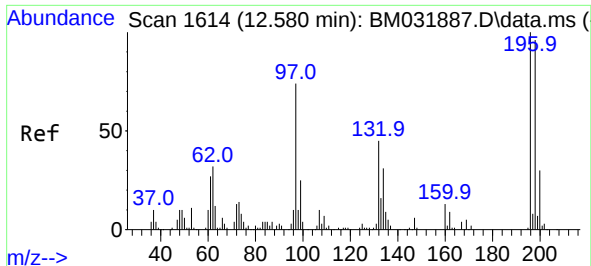
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|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 8606  |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 60.6  | 44.4  | 84.4  |
| 272      | 10.1  | 0.0   | 31.4  |



#42  
2,4,6-Tribromophenol  
Concen: 109.744 ng  
RT: 15.662 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 118880 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.5  | 75.7  | 113.5  |
| 141      | 62.6  | 50.7  | 76.1   |

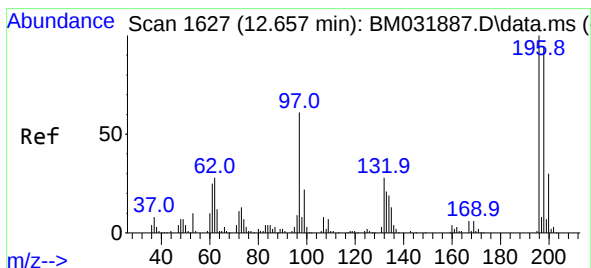
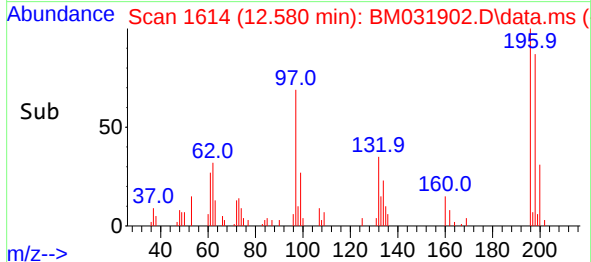
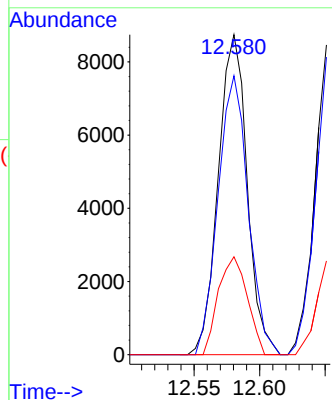
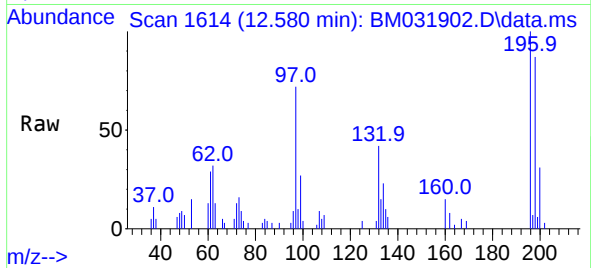




#43  
2,4,6-Trichlorophenol  
Concen: 6.944 ng  
RT: 12.580 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

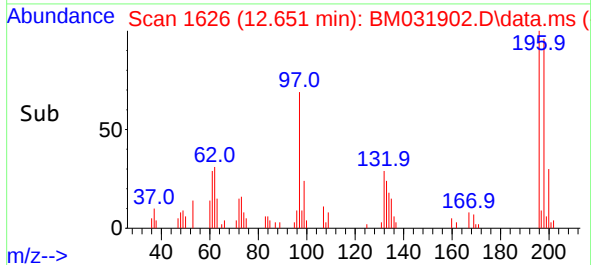
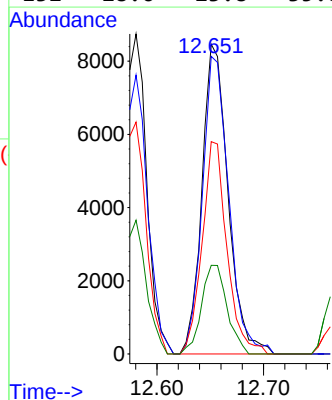
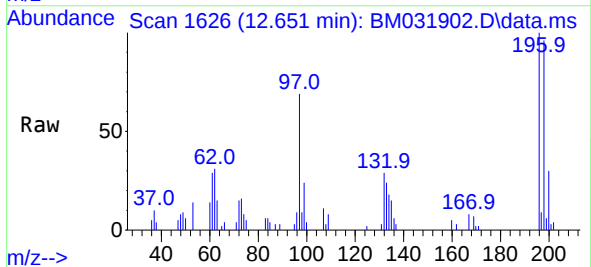
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

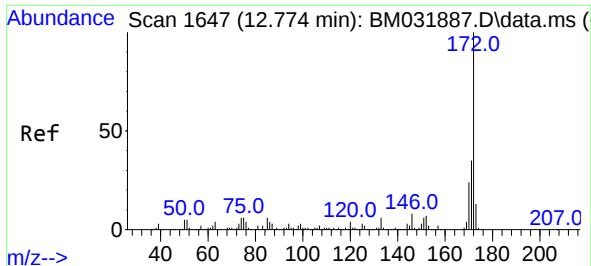
Tgt Ion:196 Resp: 13387  
Ion Ratio Lower Upper  
196 100  
198 87.1 73.6 110.4  
200 30.6 22.1 33.1



#44  
2,4,5-Trichlorophenol  
Concen: 6.932 ng  
RT: 12.651 min Scan# 1626  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:196 Resp: 14441  
Ion Ratio Lower Upper  
196 100  
198 96.1 77.0 115.4  
97 68.5 53.9 80.9  
132 28.6 23.8 35.8



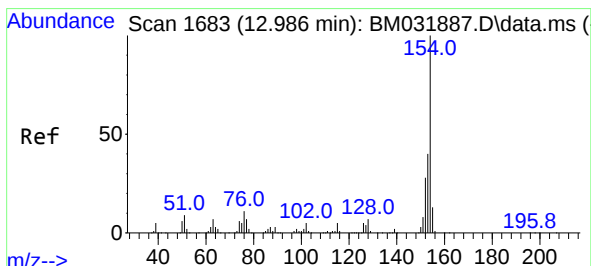
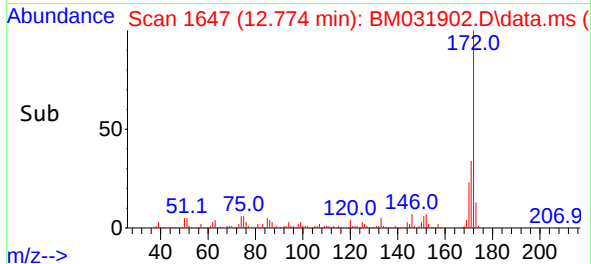
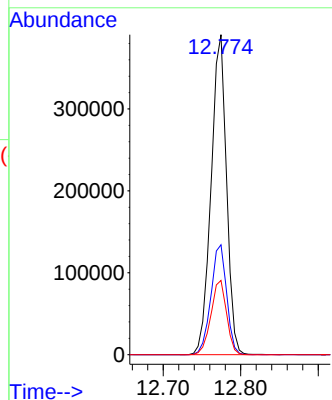
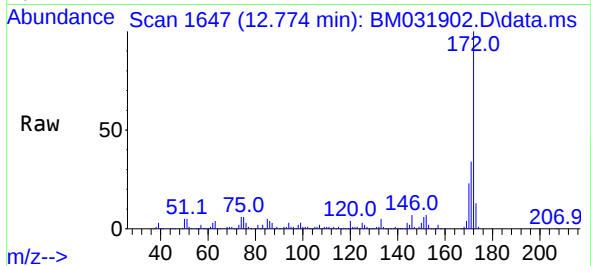


#45  
2-Fluorobiphenyl  
Concen: 77.636 ng  
RT: 12.774 min Scan# 1647  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:172 Resp: 539264

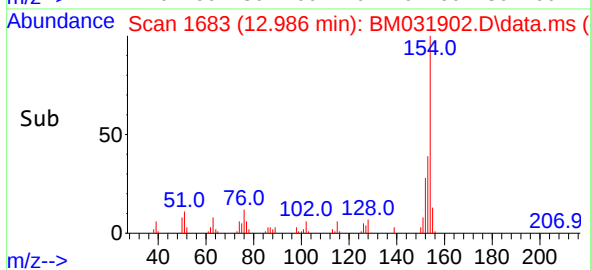
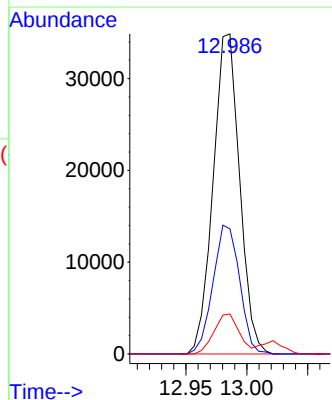
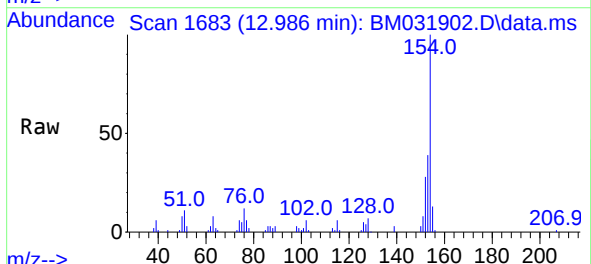
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 34.3  | 28.1  | 42.1  |
| 170 | 23.2  | 18.6  | 27.8  |

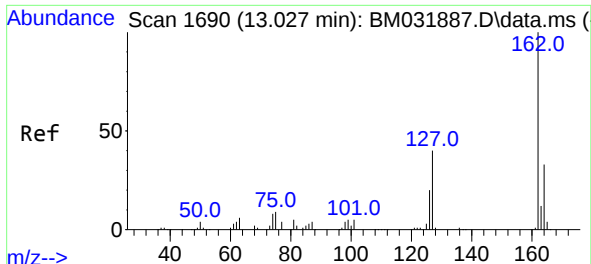


#46  
1,1'-Biphenyl  
Concen: 7.438 ng  
RT: 12.986 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:154 Resp: 52754

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.1  | 20.3  | 60.3  |
| 76  | 12.5  | 0.0   | 33.5  |

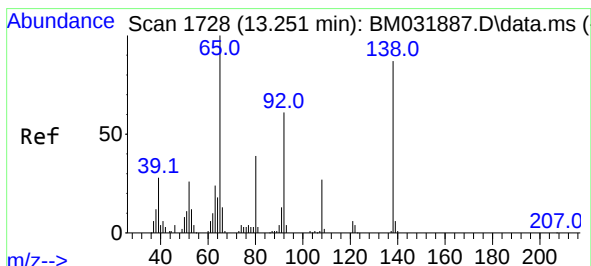
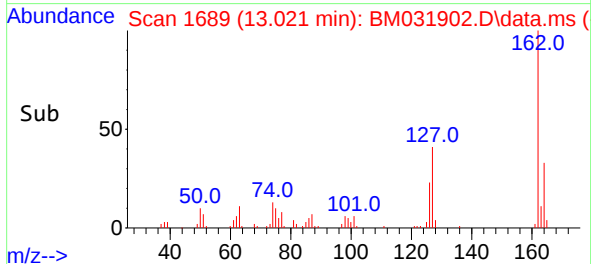
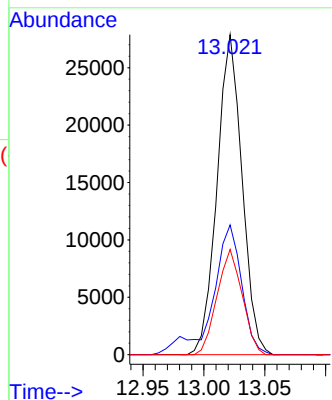
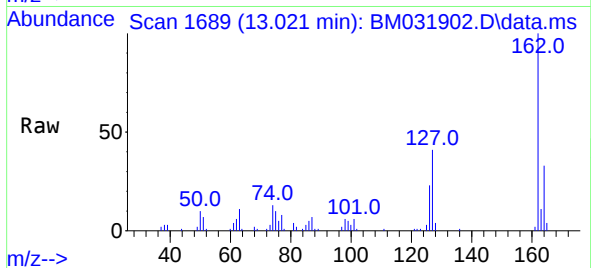




#47  
2-Chloronaphthalene  
Concen: 7.129 ng  
RT: 13.021 min Scan# 1689  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

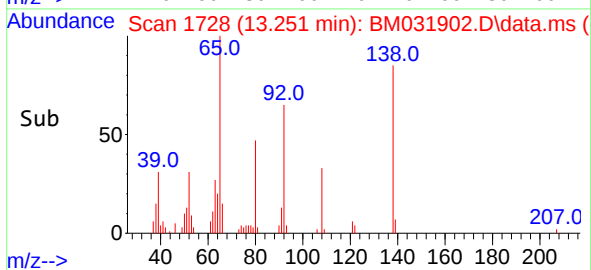
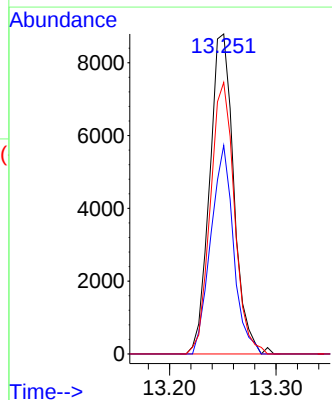
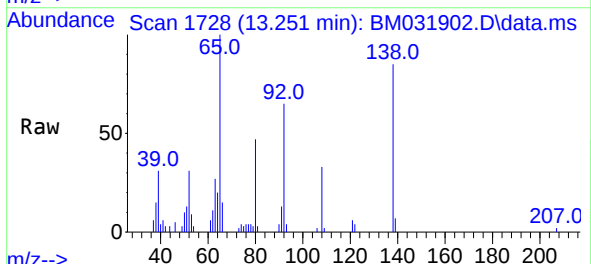
Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

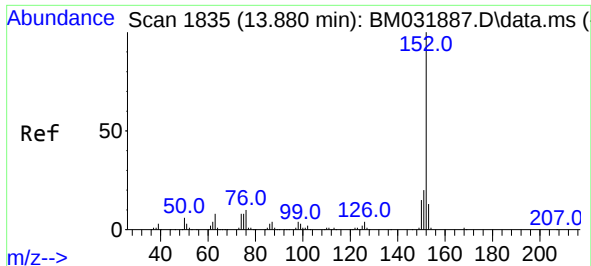
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 39806 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 40.5  | 33.2  | 49.8  |
| 164       | 32.9  | 25.7  | 38.5  |



#48  
2-Nitroaniline  
Concen: 7.122 ng  
RT: 13.251 min Scan# 1728  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 13839 |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 65.2  | 51.2  | 76.8  |
| 138       | 84.8  | 66.8  | 100.2 |

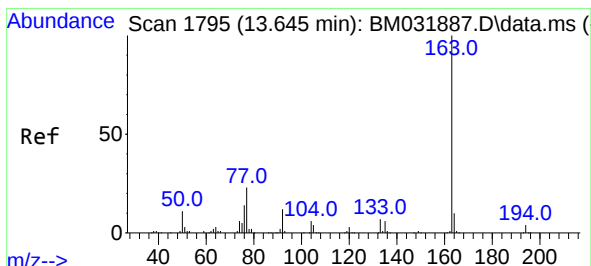
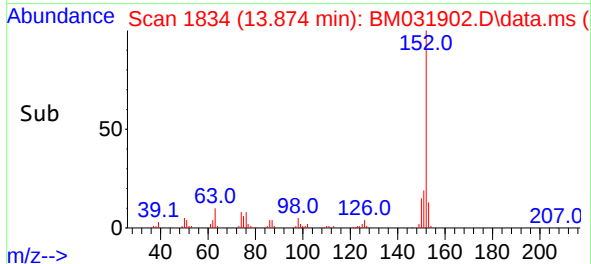
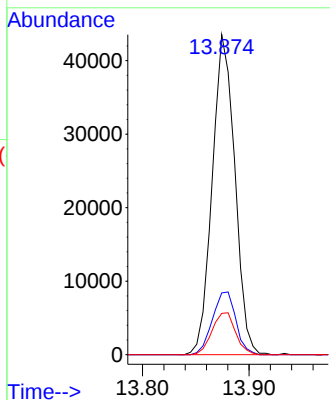
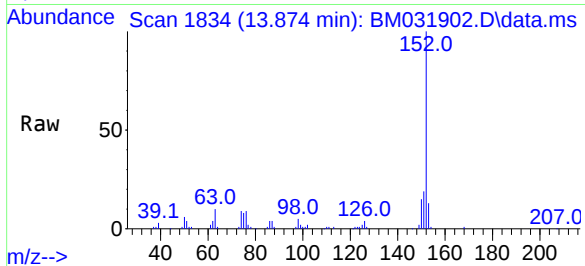




#49  
Acenaphthylene  
Concen: 7.137 ng  
RT: 13.874 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

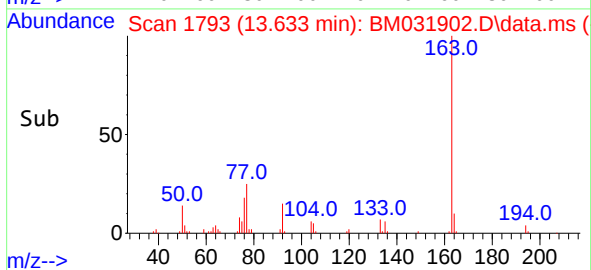
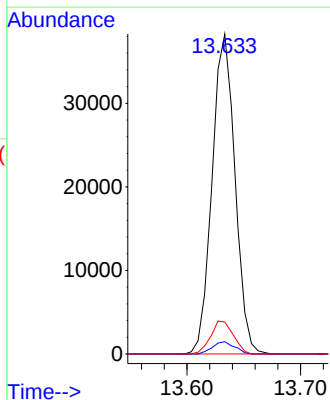
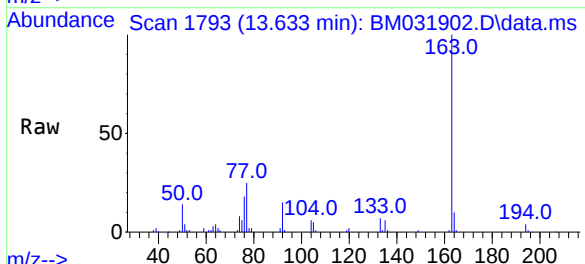
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

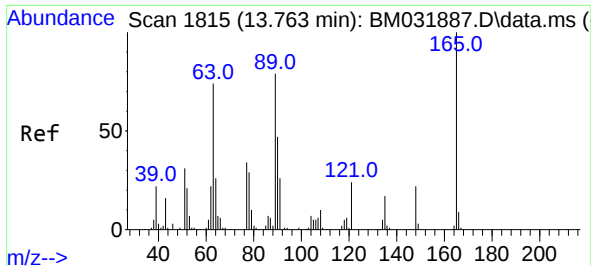
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 64113     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 19.3  | 15.7 23.5 |
| 153         | 12.9  | 10.6 15.8 |



#50  
Dimethylphthalate  
Concen: 7.387 ng  
RT: 13.633 min Scan# 1793  
Delta R.T. -0.012 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 53662    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 3.9   | 2.9 4.3  |
| 164         | 10.0  | 8.0 12.0 |

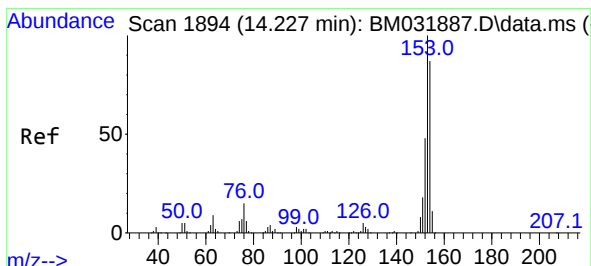
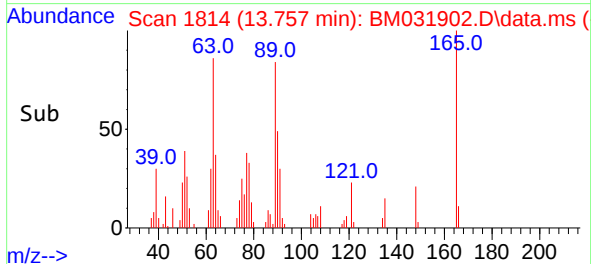
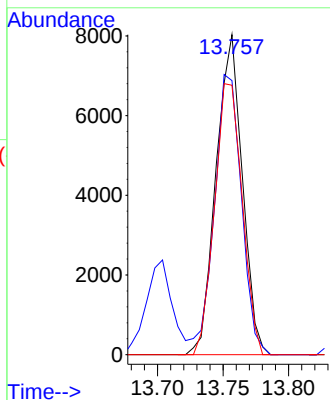
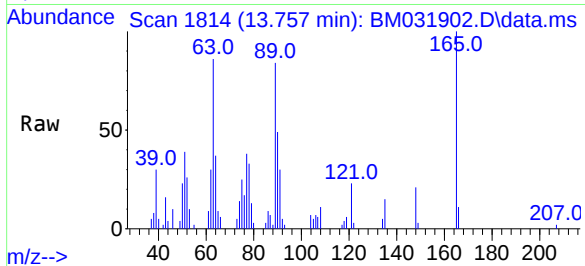




#51  
2,6-Dinitrotoluene  
Concen: 6.979 ng  
RT: 13.757 min Scan# 1814  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

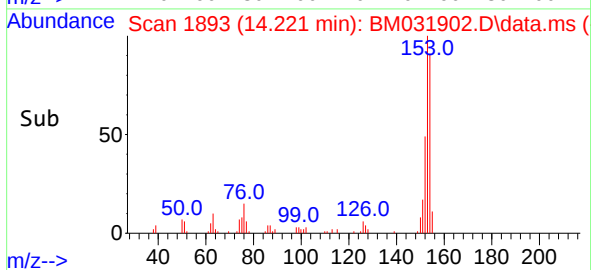
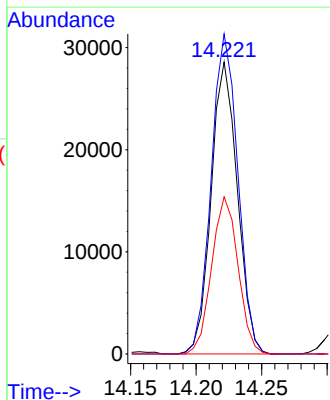
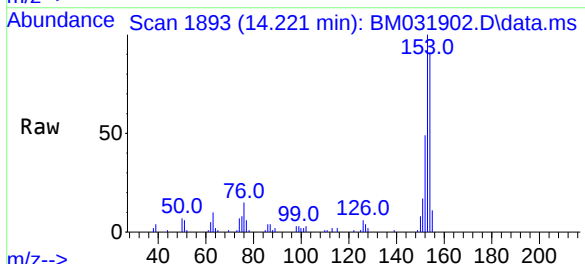
Instrument :  
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ClientSampleId :  
MDL-SOIL-03-QT2-2021

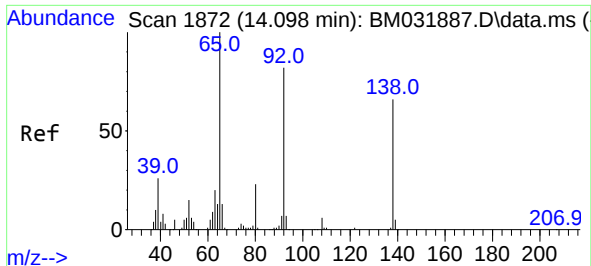
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|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 11166 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 85.7  | 72.4  | 108.6 |
| 89        | 84.2  | 69.3  | 103.9 |



#52  
Acenaphthene  
Concen: 7.280 ng  
RT: 14.221 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 39814 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 109.6 | 92.4  | 138.6 |
| 152       | 53.8  | 43.7  | 65.5  |

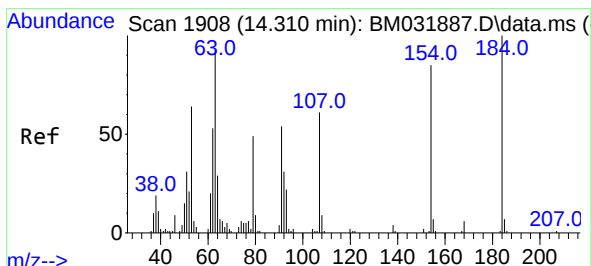
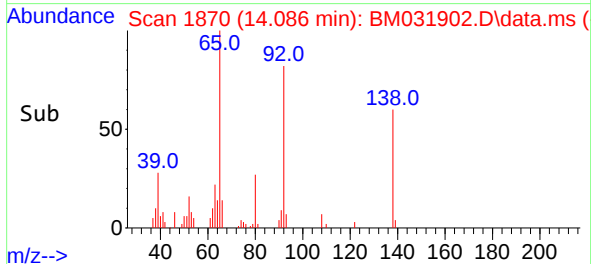
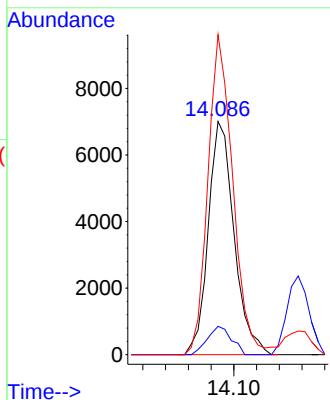
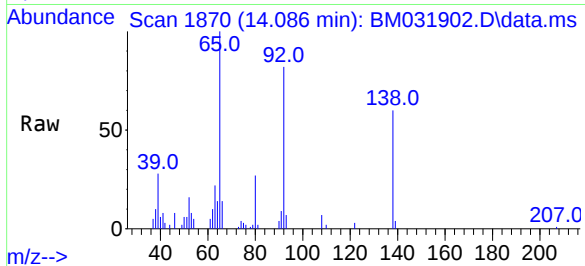




#53  
3-Nitroaniline  
Concen: 7.110 ng  
RT: 14.086 min Scan# 1870  
Delta R.T. -0.012 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

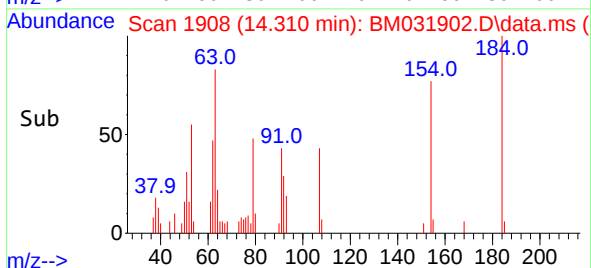
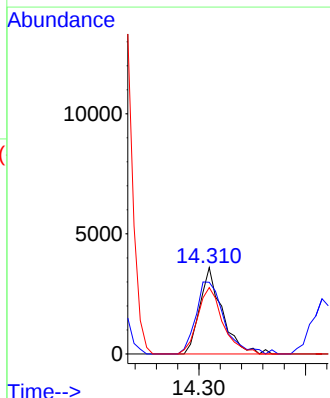
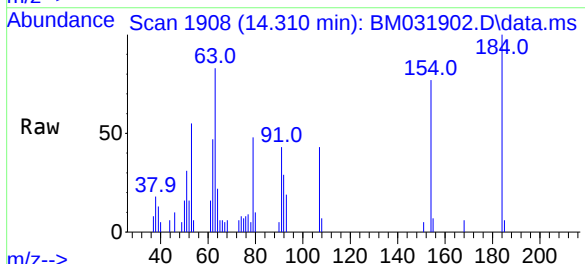
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BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

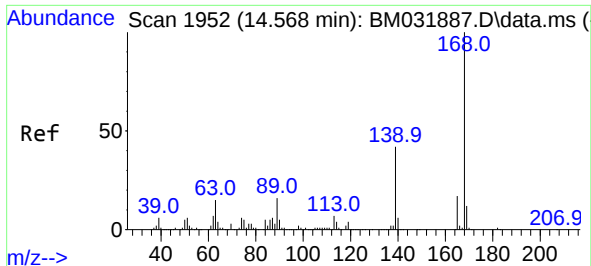
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 138   | Resp: | 11065 |
| Ion      | Ratio | Lower | Upper |
| 138      | 100   |       |       |
| 108      | 12.1  | 8.3   | 12.5  |
| 92       | 137.1 | 105.2 | 157.8 |



#54  
2,4-Dinitrophenol  
Concen: 5.820 ng  
RT: 14.310 min Scan# 1908  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 184   | Resp: | 5273   |
| Ion      | Ratio | Lower | Upper  |
| 184      | 100   |       |        |
| 63       | 83.0  | 93.8  | 140.6# |
| 154      | 76.8  | 64.0  | 96.0   |

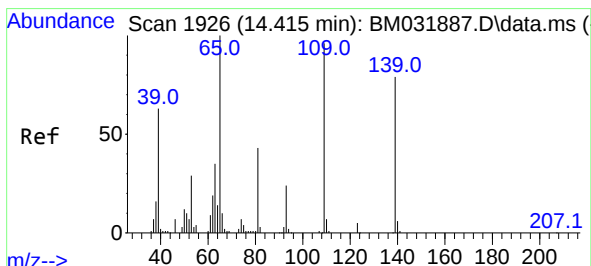
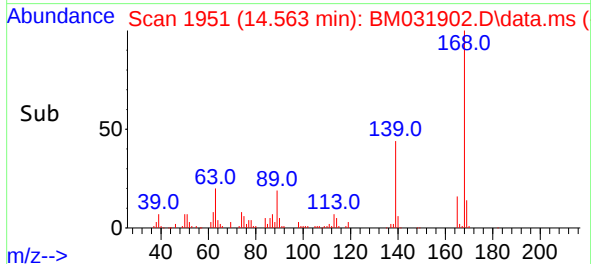
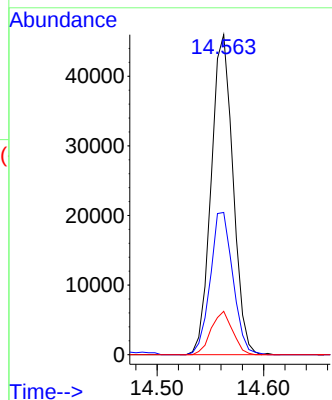
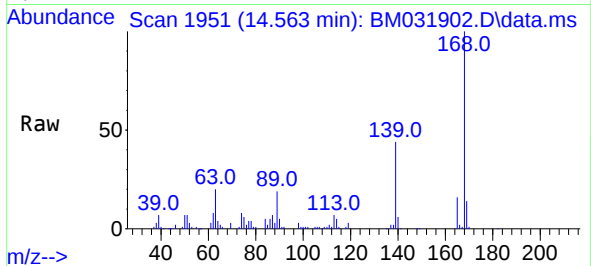




#55  
Dibenzenofuran  
Concen: 7.088 ng  
RT: 14.563 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

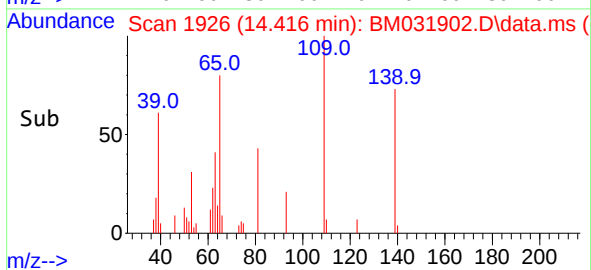
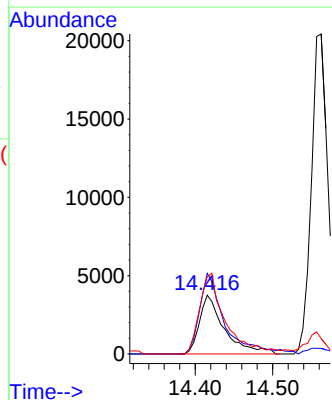
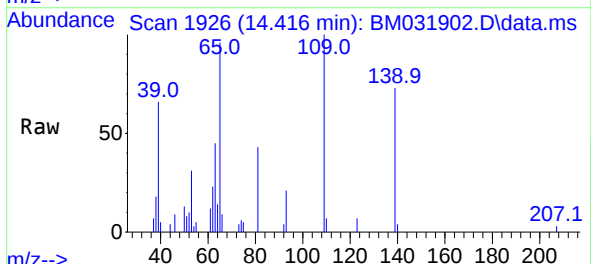
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

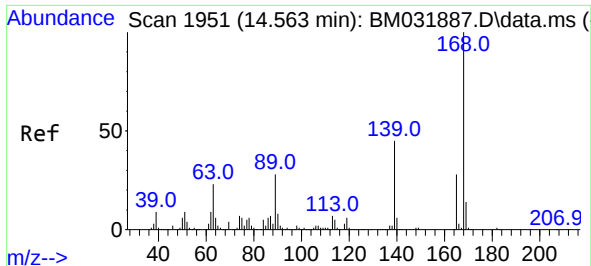
Tgt Ion:168 Resp: 65280  
Ion Ratio Lower Upper  
168 100  
139 44.4 35.0 52.4  
169 13.6 10.8 16.2



#56  
4-Nitrophenol  
Concen: 6.790 ng  
RT: 14.416 min Scan# 1926  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:139 Resp: 8348  
Ion Ratio Lower Upper  
139 100  
109 136.9 92.3 132.3#  
65 130.9 110.5 150.5



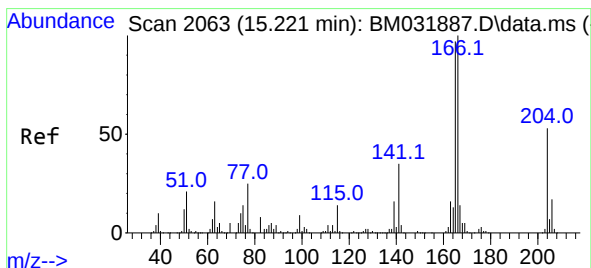
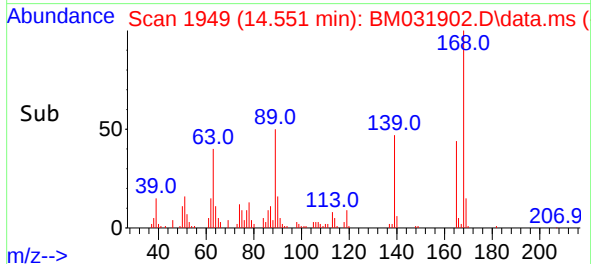
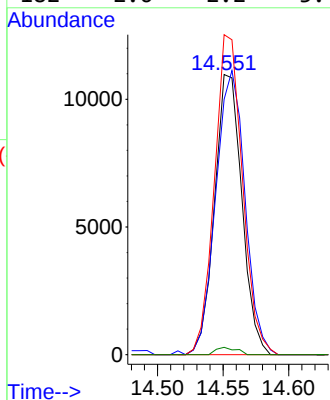
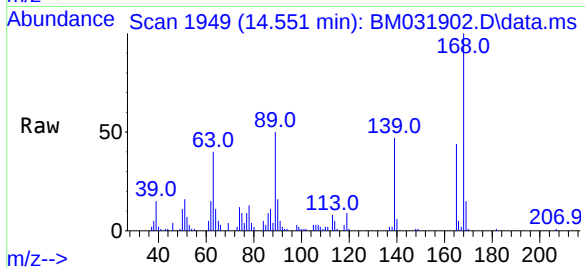


#57  
2,4-Dinitrotoluene  
Concen: 6.972 ng  
RT: 14.551 min Scan# 1949  
Delta R.T. -0.012 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:165 Resp: 15886

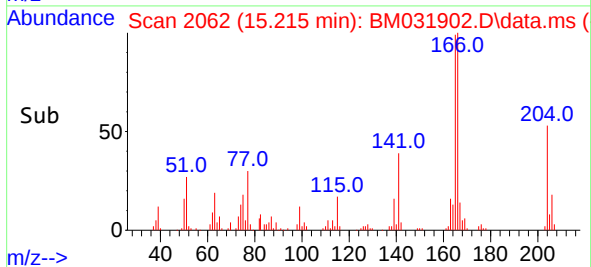
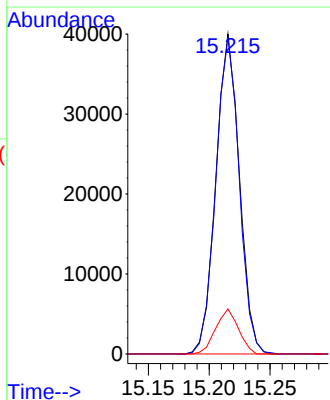
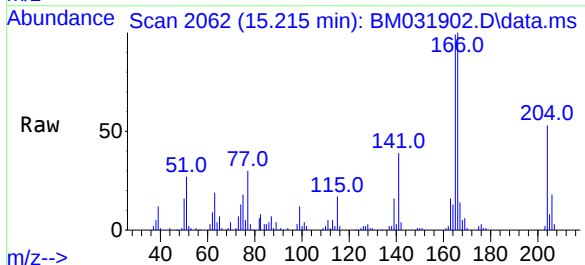
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 91.2  | 70.3  | 105.5 |
| 89  | 114.2 | 83.1  | 124.7 |
| 182 | 2.6   | 2.2   | 3.4   |

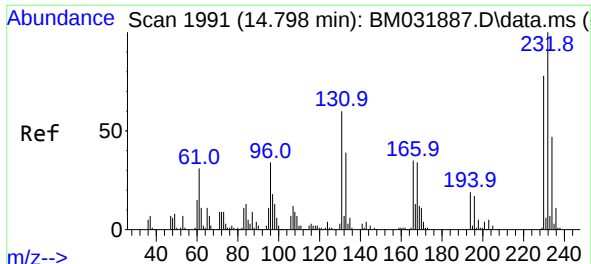


#58  
Fluorene  
Concen: 7.112 ng  
RT: 15.215 min Scan# 2062  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:166 Resp: 53710

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 98.8  | 79.3  | 118.9 |
| 167 | 14.0  | 10.6  | 16.0  |



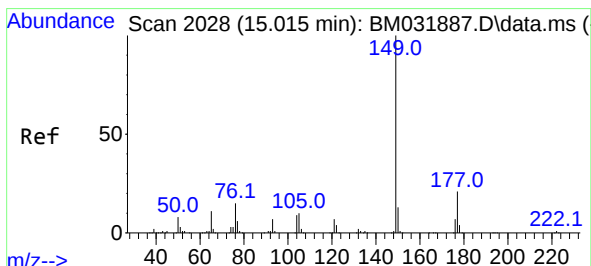
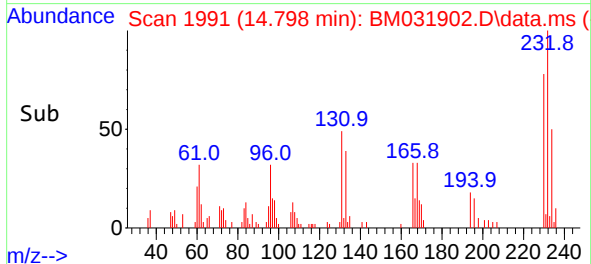
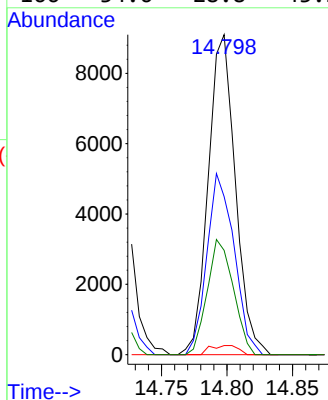
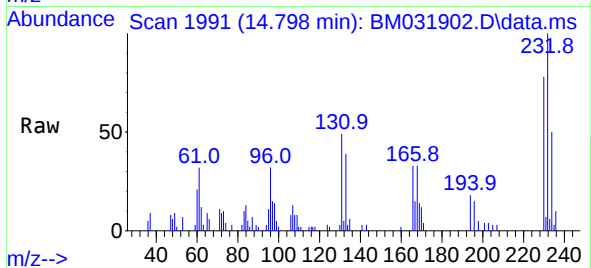


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 7.200 ng  
RT: 14.798 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:232 Resp: 13095

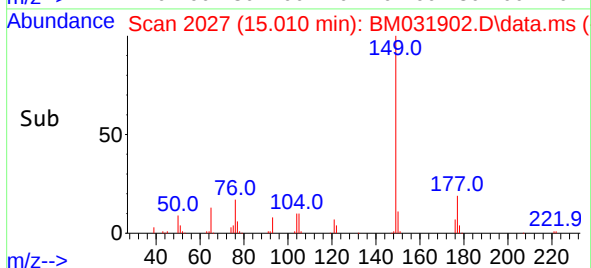
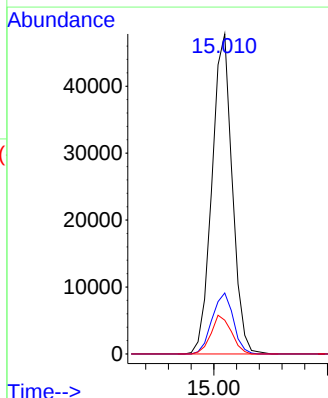
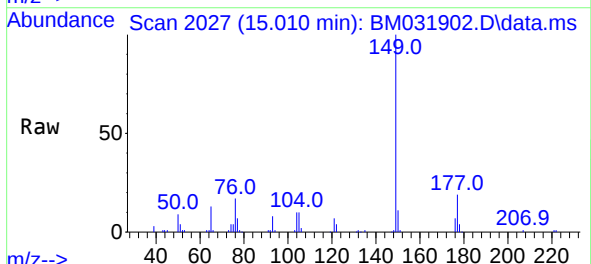
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 56.8  | 50.6  | 75.8  |
| 130 | 3.0   | 3.0   | 4.4   |
| 166 | 34.6  | 28.8  | 43.2  |

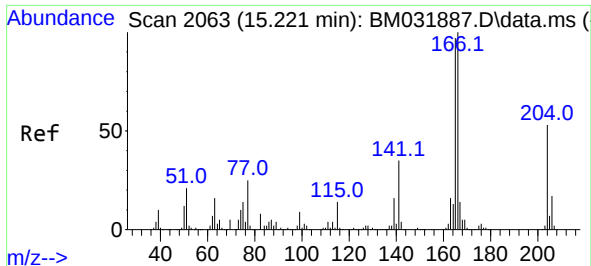


#60  
Diethylphthalate  
Concen: 7.468 ng  
RT: 15.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:149 Resp: 59210

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 19.1  | 15.7  | 23.5  |
| 150 | 10.5  | 9.6   | 14.4  |

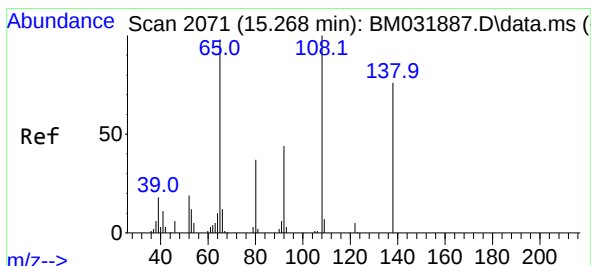
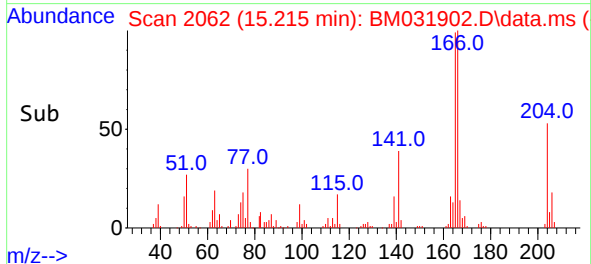
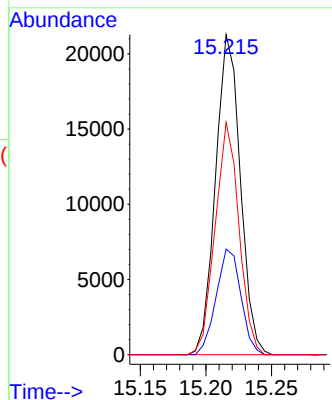
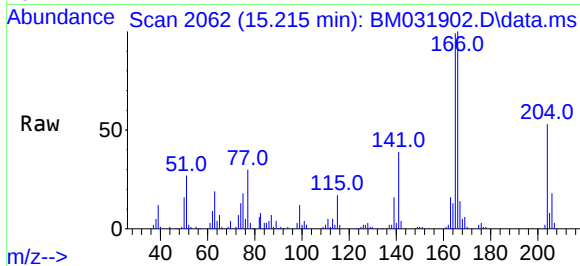




#61  
4-Chlorophenyl-phenylether  
Concen: 7.449 ng  
RT: 15.215 min Scan# 2062  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

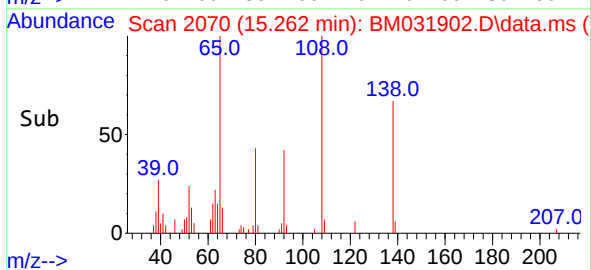
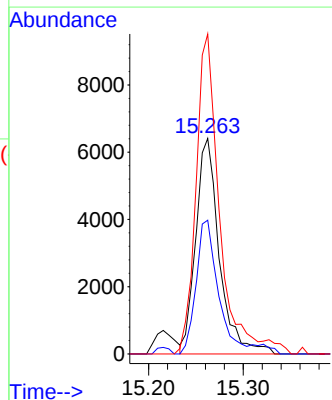
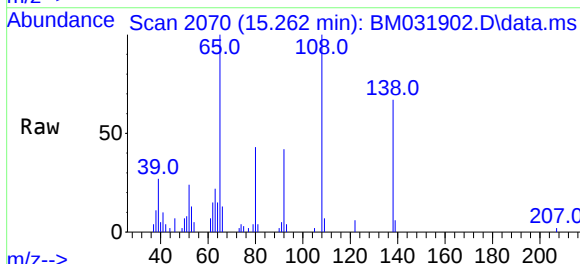
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

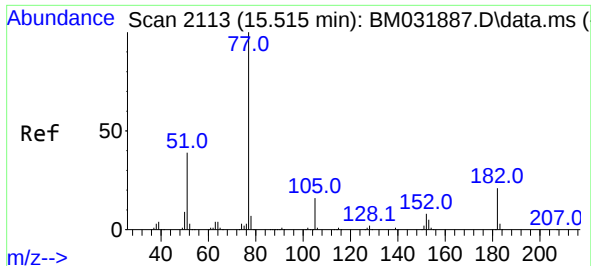
Tgt Ion:204 Resp: 27923  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.7 40.1  
141 72.5 55.8 83.8



#62  
4-Nitroaniline  
Concen: 7.404 ng  
RT: 15.262 min Scan# 2070  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:138 Resp: 11127  
Ion Ratio Lower Upper  
138 100  
92 62.0 40.6 80.6  
108 148.4 103.8 143.8#

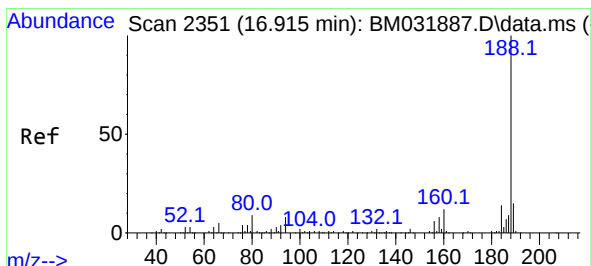
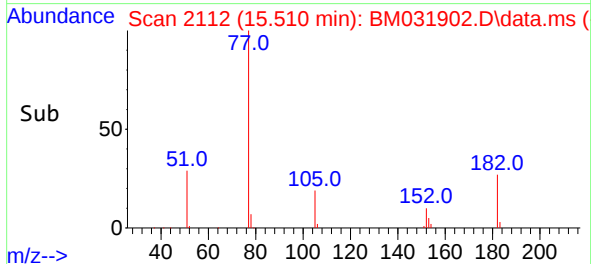
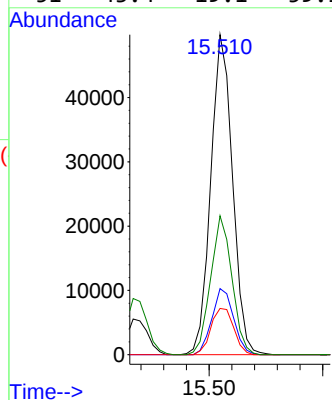
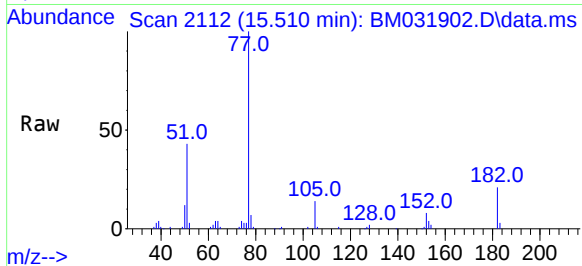




#63  
Azobenzene  
Concen: 7.575 ng  
RT: 15.510 min Scan# 2112  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

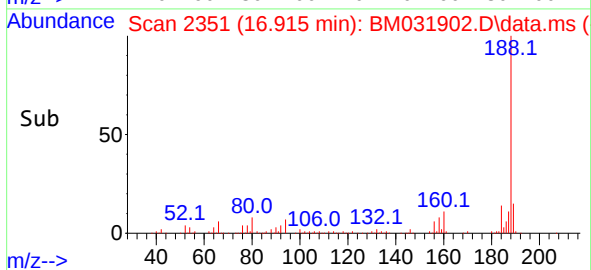
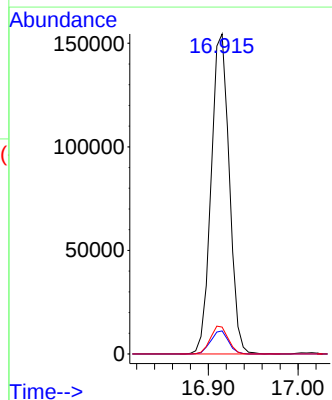
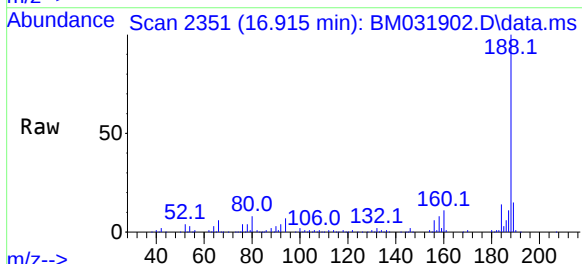
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

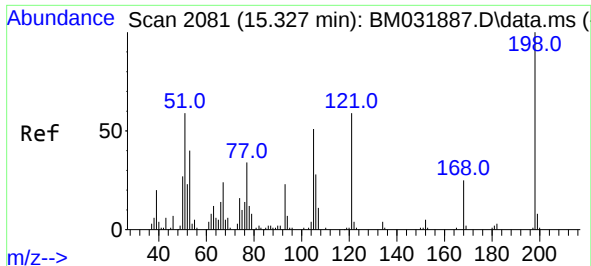
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 66226 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 20.6    | 0.0 39.3    |
| 105 14.4    | 0.0 36.1    |
| 51 43.4     | 19.1 59.1   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.915 min Scan# 2351  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 216388 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 7.2      | 6.3 9.5      |
| 80 8.4      | 7.3 10.9     |

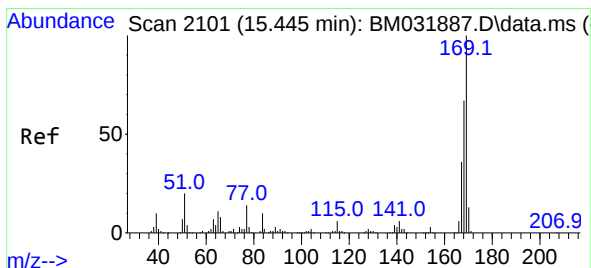
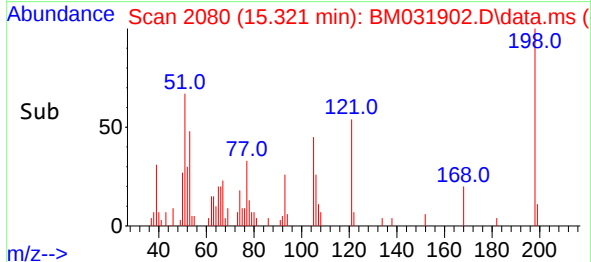
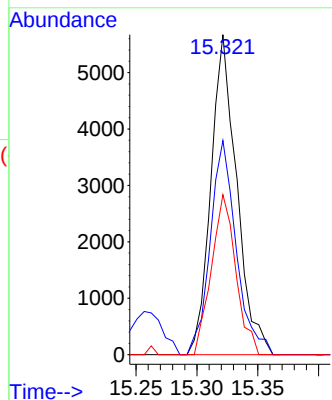
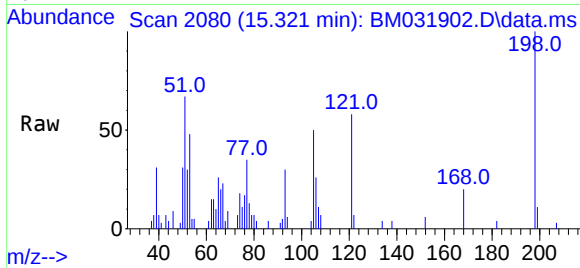




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.608 ng  
RT: 15.321 min Scan# 2080  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

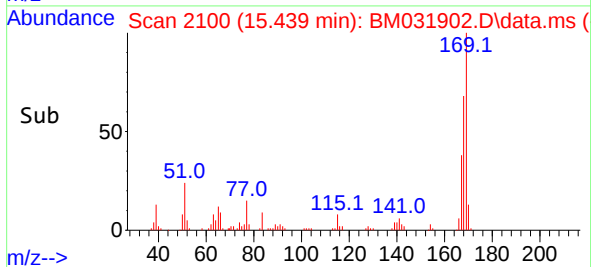
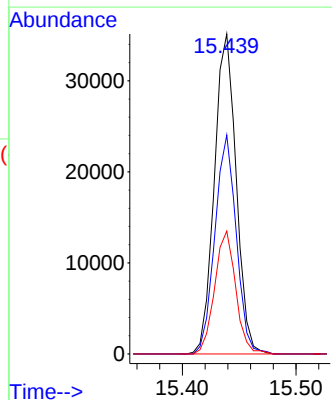
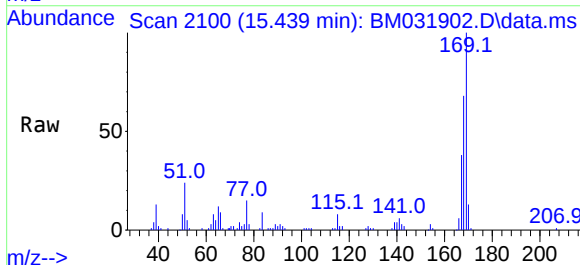
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

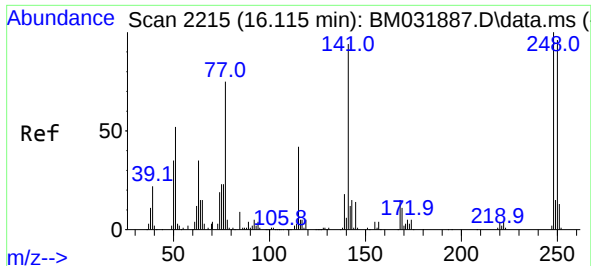
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 198   | Resp: | 8359  |
| Ion      | Ratio | Lower | Upper |
| 198      | 100   |       |       |
| 51       | 66.9  | 49.7  | 89.7  |
| 105      | 50.0  | 34.9  | 74.9  |



#66  
n-Nitrosodiphenylamine  
Concen: 6.499 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 169   | Resp: | 46868 |
| Ion      | Ratio | Lower | Upper |
| 169      | 100   |       |       |
| 168      | 68.4  | 55.0  | 82.4  |
| 167      | 38.4  | 29.8  | 44.8  |

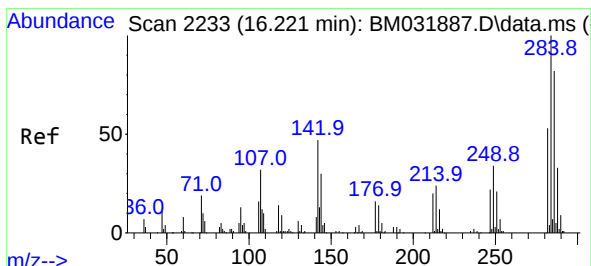
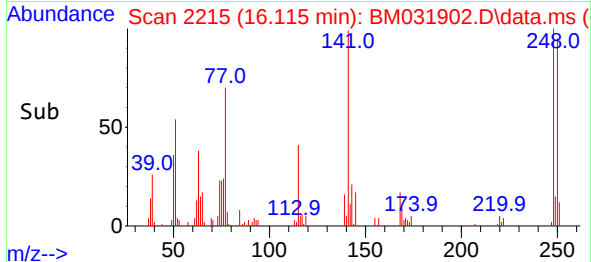
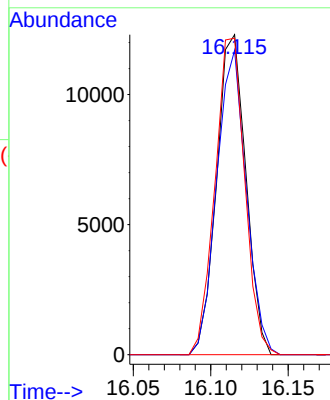
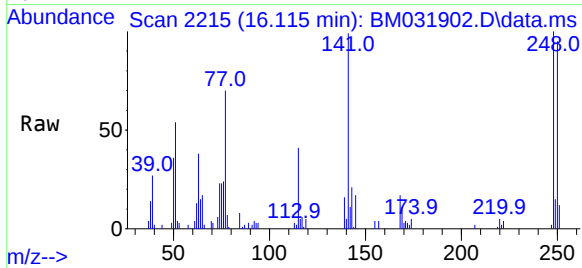




#67  
4-Bromophenyl-phenylether  
Concen: 6.684 ng  
RT: 16.115 min Scan# 2215  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

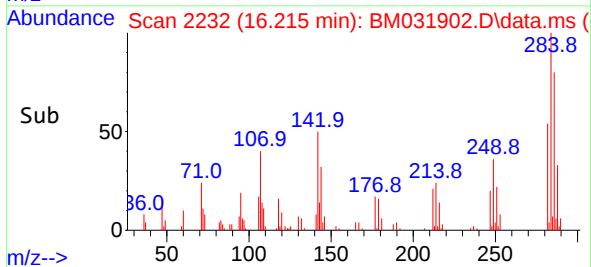
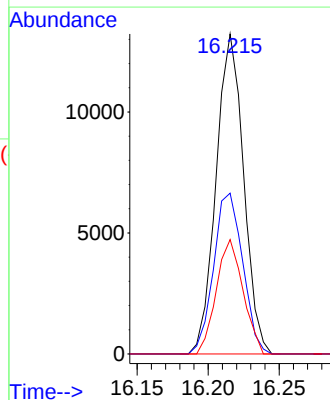
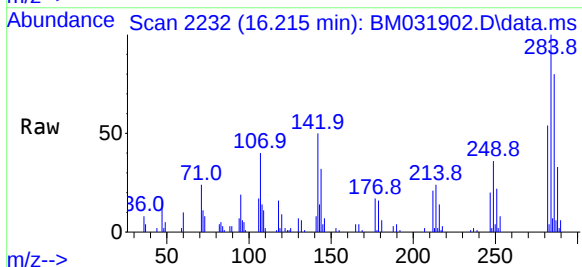
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

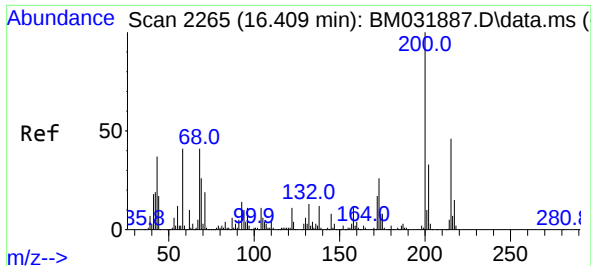
Tgt Ion:248 Resp: 16154  
Ion Ratio Lower Upper  
248 100  
250 95.2 77.4 116.2  
141 98.9 74.1 111.1



#68  
Hexachlorobenzene  
Concen: 6.974 ng  
RT: 16.215 min Scan# 2232  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:284 Resp: 17816  
Ion Ratio Lower Upper  
284 100  
142 50.3 43.0 64.6  
249 35.7 27.6 41.4

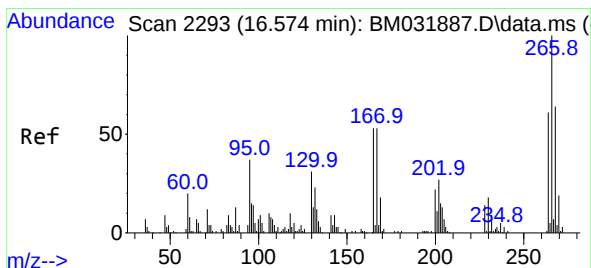
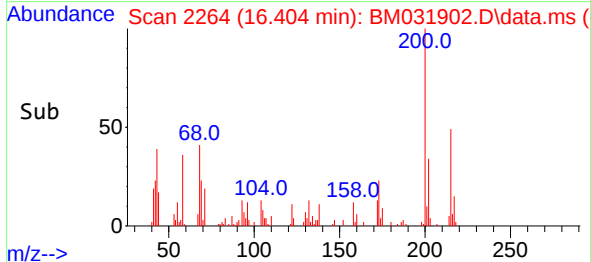
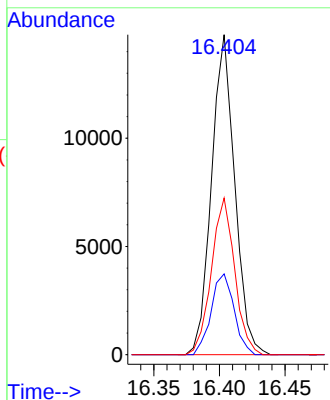
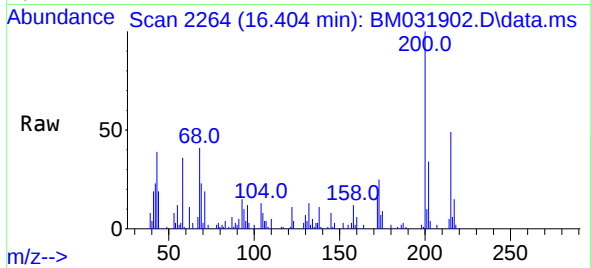




#69  
Atrazine  
Concen: 7.472 ng  
RT: 16.404 min Scan# 2264  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

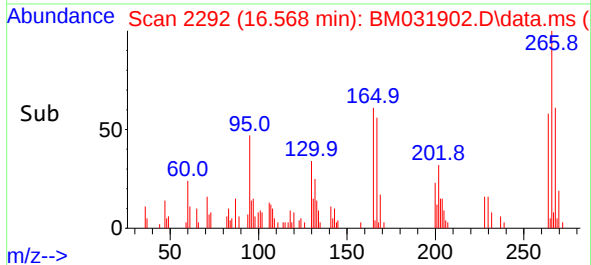
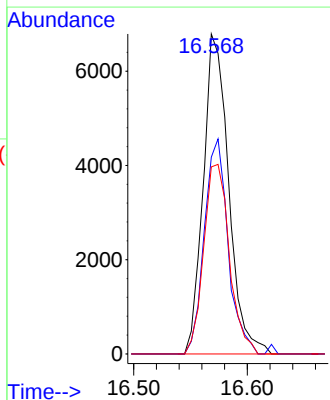
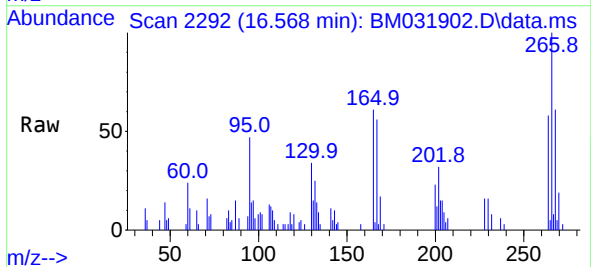
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

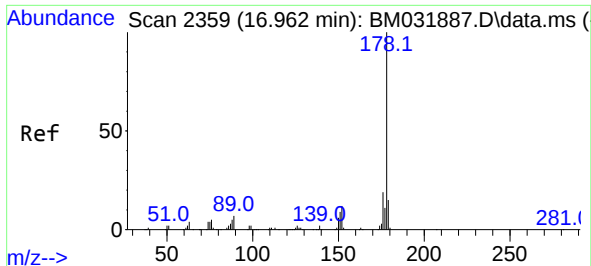
Tgt Ion:200 Resp: 18166  
Ion Ratio Lower Upper  
200 100  
173 25.2 5.8 45.8  
215 48.9 23.6 63.6



#70  
Pentachlorophenol  
Concen: 6.565 ng  
RT: 16.568 min Scan# 2292  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:266 Resp: 10533  
Ion Ratio Lower Upper  
266 100  
268 61.5 50.3 75.5  
264 58.5 52.1 78.1

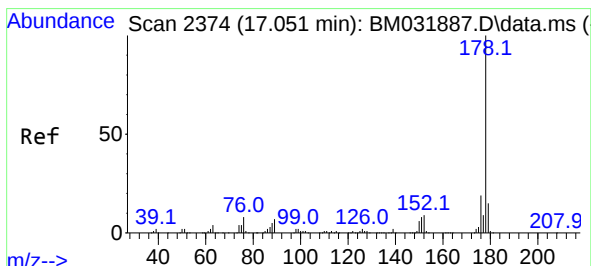
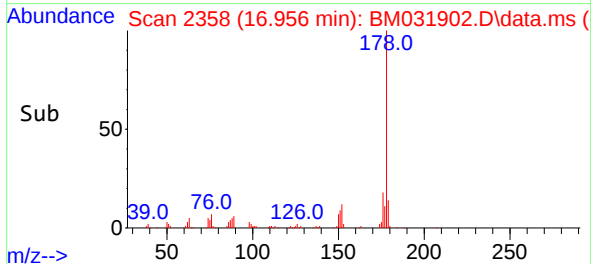
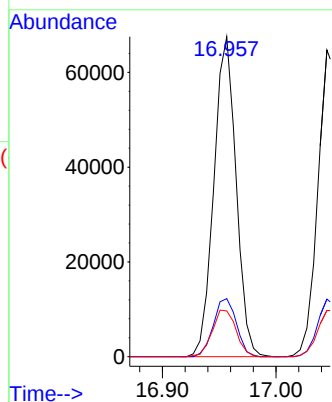
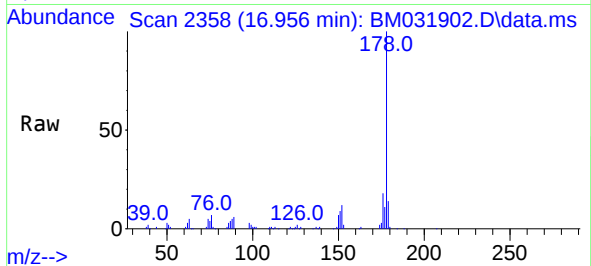




#71  
Phenanthrene  
Concen: 7.198 ng  
RT: 16.956 min Scan# 2358  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

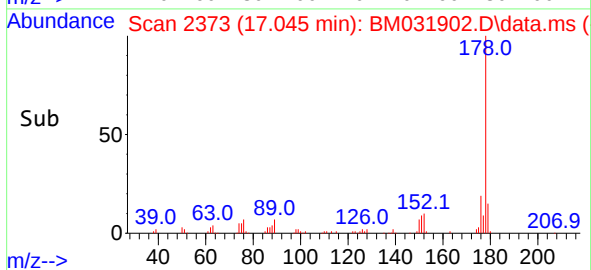
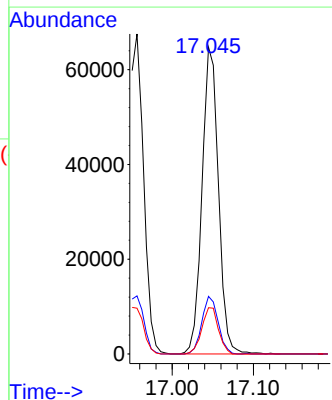
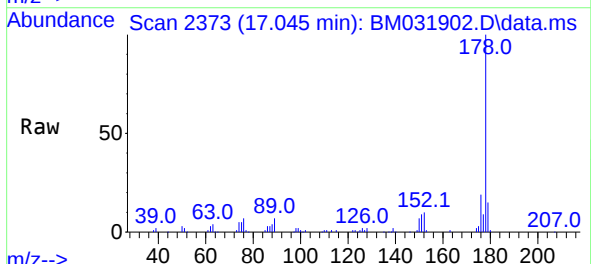
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

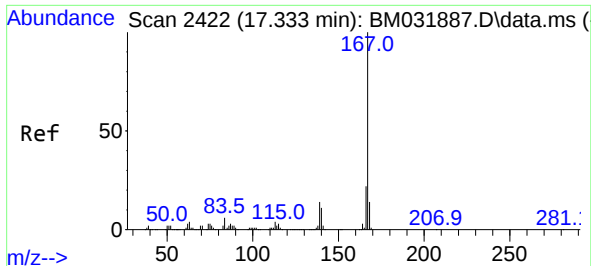
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 91709     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.2  | 15.6 23.4 |
| 179         | 14.3  | 12.4 18.6 |



#72  
Anthracene  
Concen: 7.300 ng  
RT: 17.045 min Scan# 2373  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 90970     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.8  | 14.8 22.2 |
| 179         | 15.1  | 12.3 18.5 |

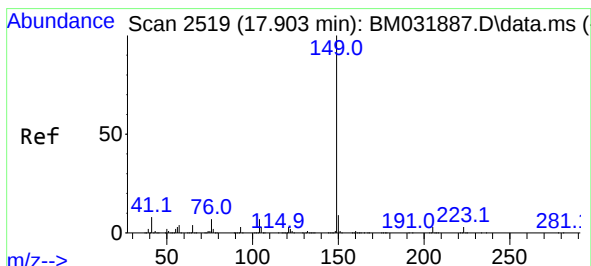
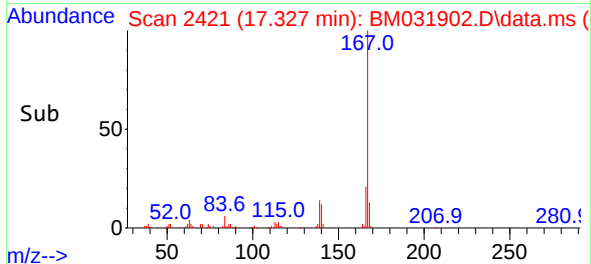
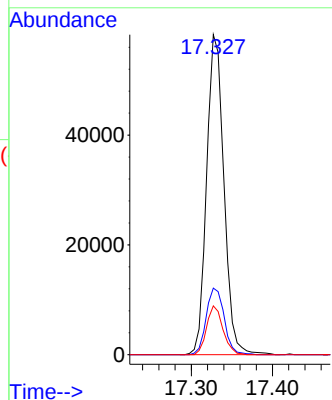
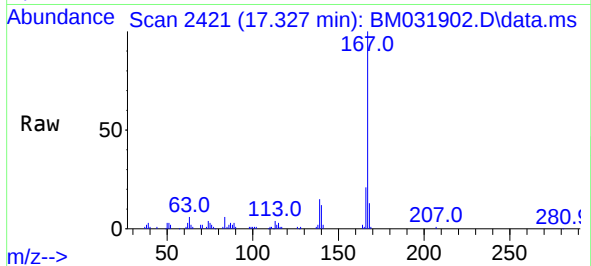




#73  
Carbazole  
Concen: 7.320 ng  
RT: 17.327 min Scan# 2421  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

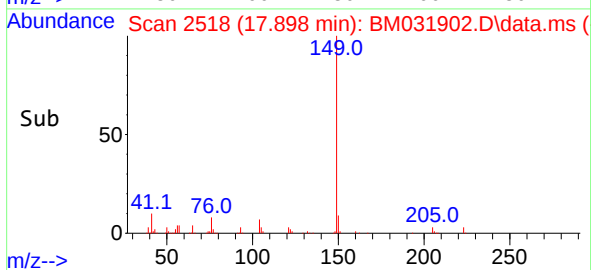
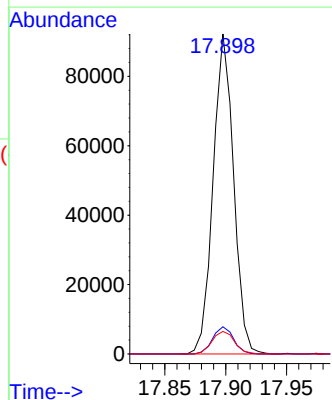
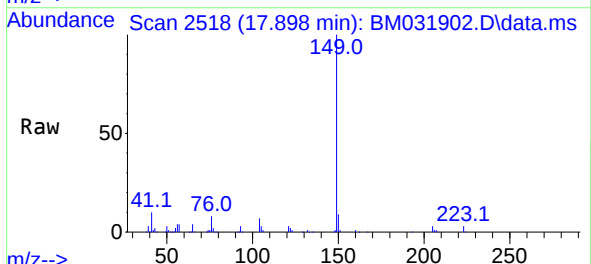
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

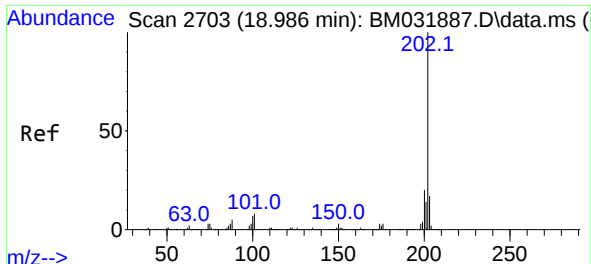
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:167 | Resp: | 86142     |
| Ion Ratio   | Lower | Upper     |
| 167         | 100   |           |
| 166         | 20.8  | 17.4 26.0 |
| 139         | 15.3  | 11.9 17.9 |



#74  
Di-n-butylphthalate  
Concen: 7.295 ng  
RT: 17.898 min Scan# 2518  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:149 | Resp: | 107775   |
| Ion Ratio   | Lower | Upper    |
| 149         | 100   |          |
| 150         | 8.5   | 7.3 10.9 |
| 104         | 7.1   | 5.6 8.4  |

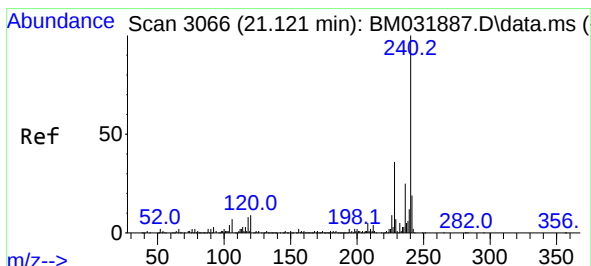
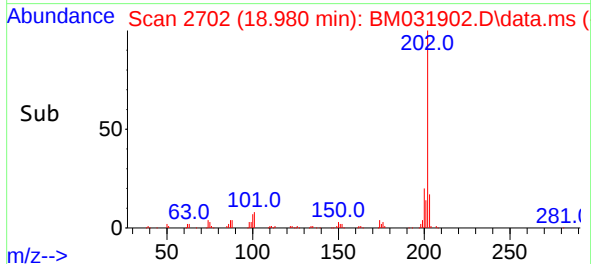
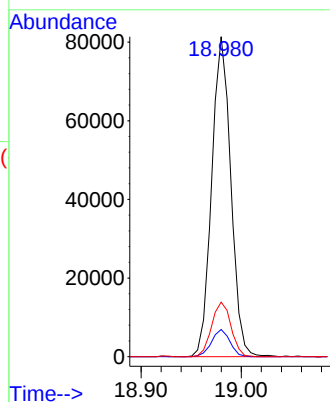
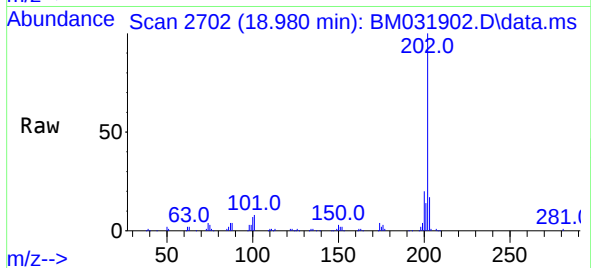




#75  
Fluoranthene  
Concen: 7.750 ng  
RT: 18.980 min Scan# 2702  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

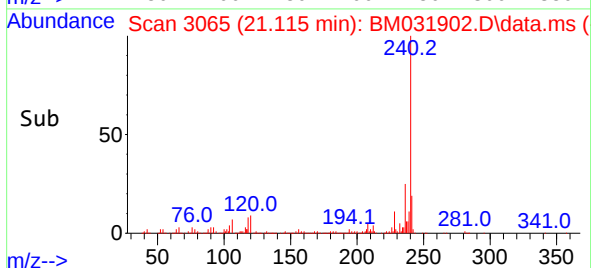
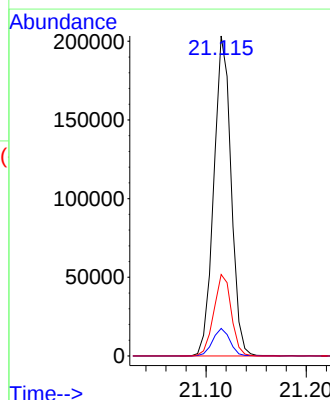
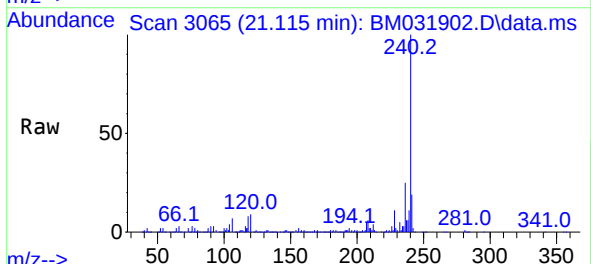
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

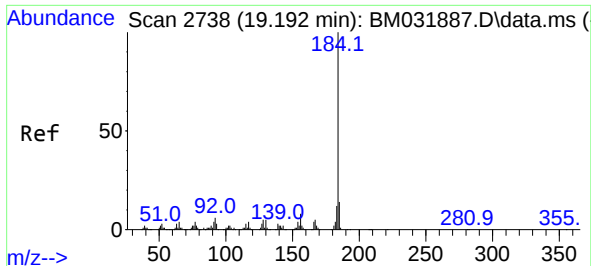
Tgt Ion:202 Resp: 107826  
Ion Ratio Lower Upper  
202 100  
101 8.5 0.0 29.9  
203 17.0 0.0 36.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.115 min Scan# 3065  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:240 Resp: 243571  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.8 11.6  
236 25.4 20.9 31.3

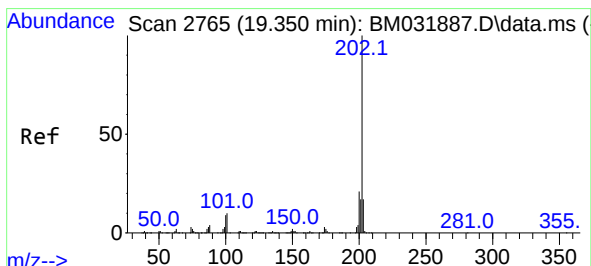
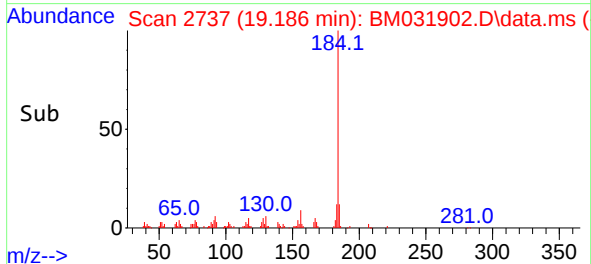
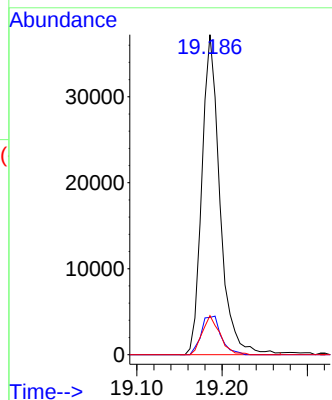
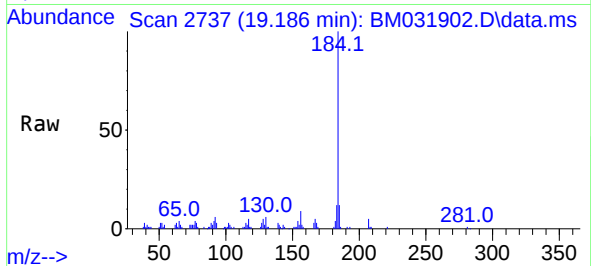




#77  
Benzidine  
Concen: 8.602 ng  
RT: 19.186 min Scan# 2737  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

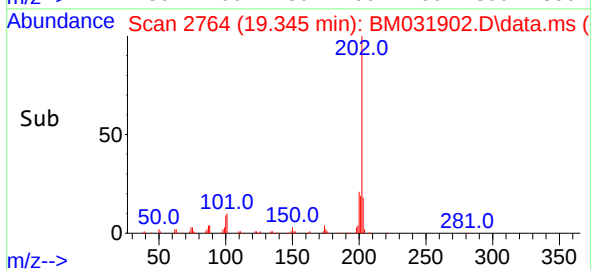
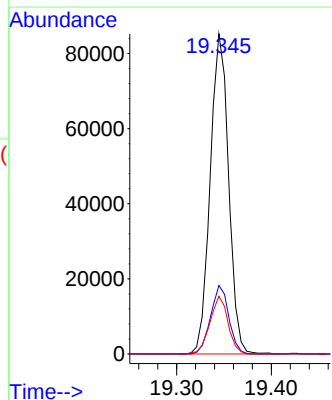
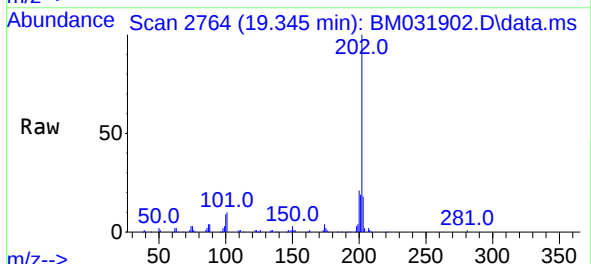
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

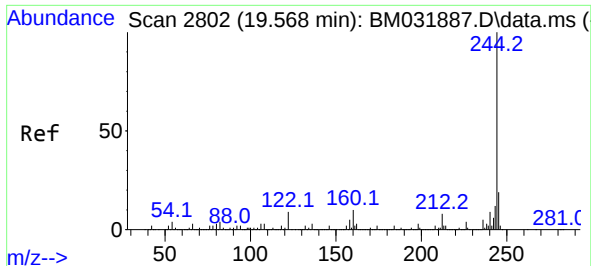
Tgt Ion:184 Resp: 54810  
Ion Ratio Lower Upper  
184 100  
185 11.6 10.6 16.0  
183 12.2 9.0 13.4



#78  
Pyrene  
Concen: 5.633 ng  
RT: 19.345 min Scan# 2764  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:202 Resp: 114751  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.6 25.0  
203 18.0 13.7 20.5

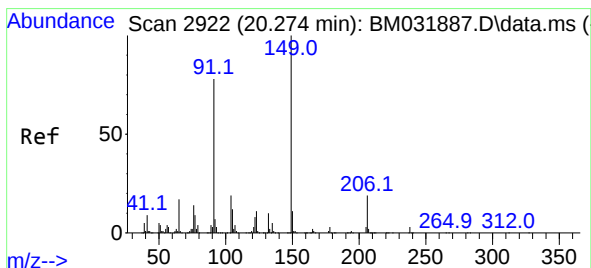
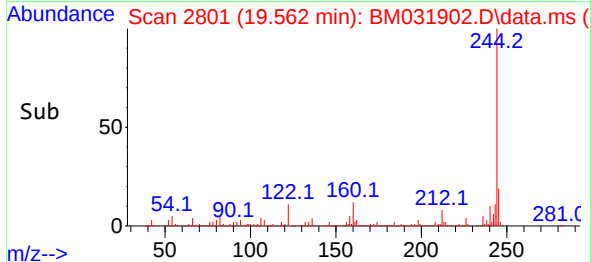
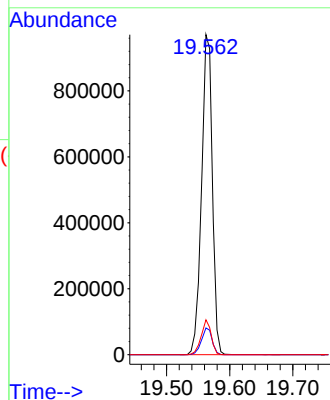
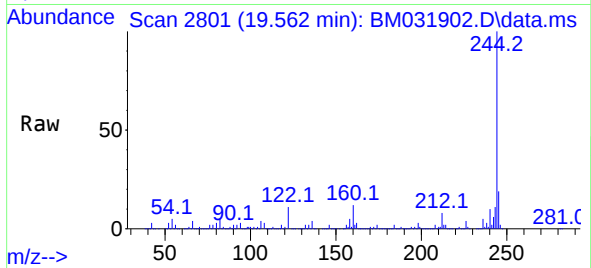




#79  
Terphenyl-d14  
Concen: 67.929 ng  
RT: 19.562 min Scan# 2801  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

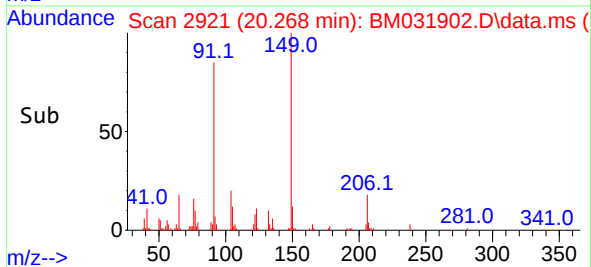
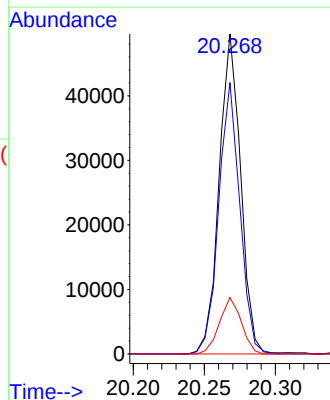
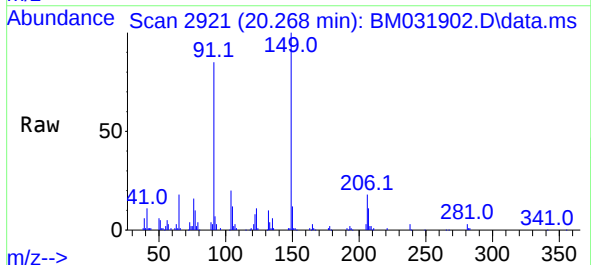
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

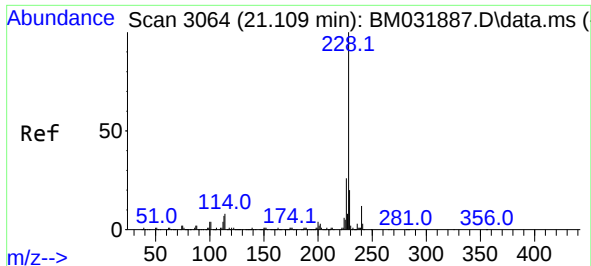
Tgt Ion:244 Resp: 1146211  
Ion Ratio Lower Upper  
244 100  
212 8.4 6.5 9.7  
122 10.9 8.7 13.1



#80  
Butylbenzylphthalate  
Concen: 5.943 ng  
RT: 20.268 min Scan# 2921  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:149 Resp: 52067  
Ion Ratio Lower Upper  
149 100  
91 84.8 64.0 96.0  
206 17.6 14.4 21.6



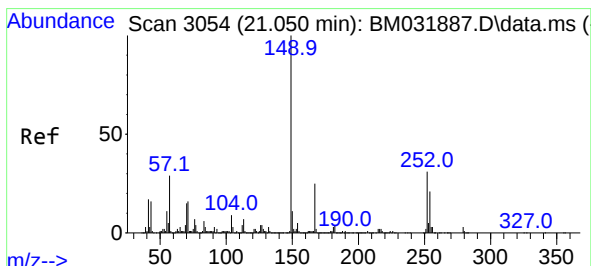
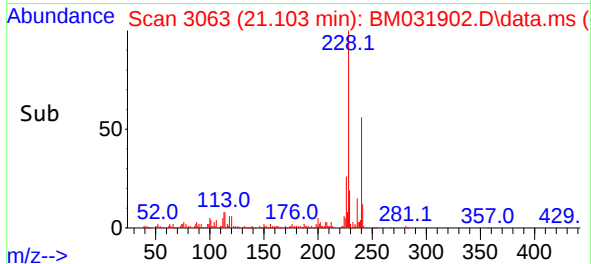
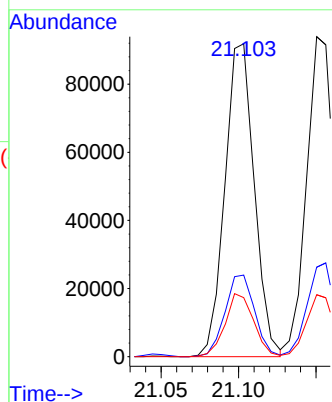
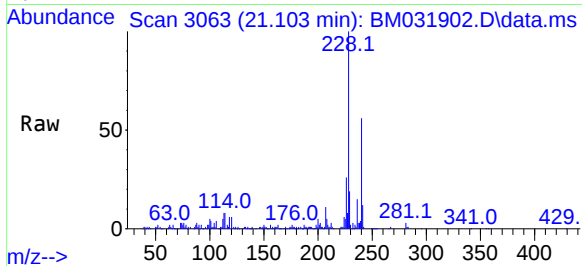


#81  
Benzo(a)anthracene  
Concen: 6.920 ng  
RT: 21.103 min Scan# 3063  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:228 Resp: 121233

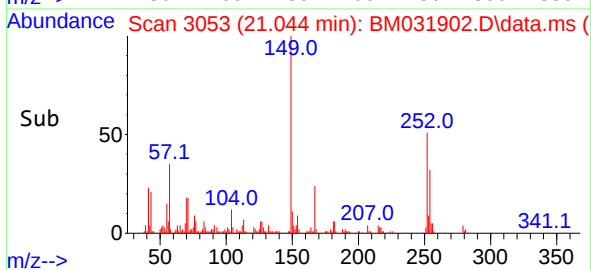
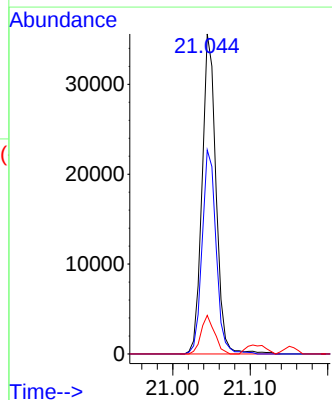
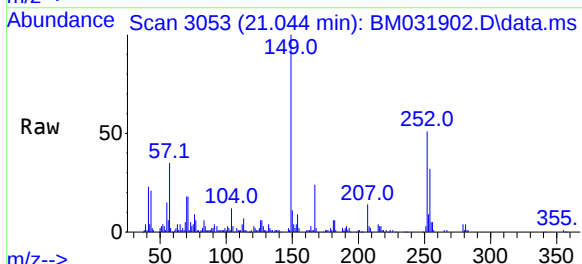
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.0  | 21.4  | 32.2  |
| 229 | 18.9  | 15.3  | 22.9  |

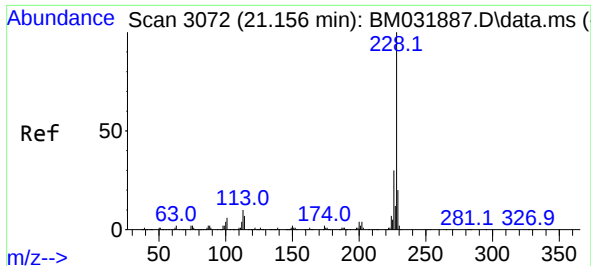


#82  
3,3'-Dichlorobenzidine  
Concen: 8.833 ng  
RT: 21.044 min Scan# 3053  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:252 Resp: 44500

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.7  | 51.6  | 77.4  |
| 126 | 12.1  | 9.7   | 14.5  |



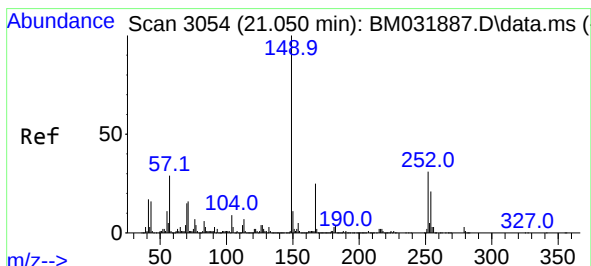
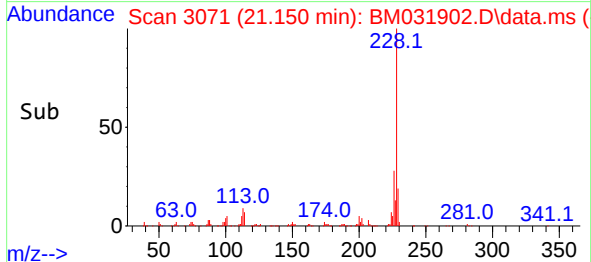
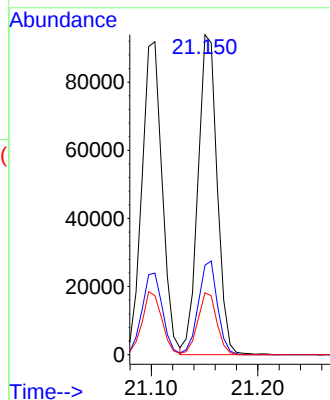
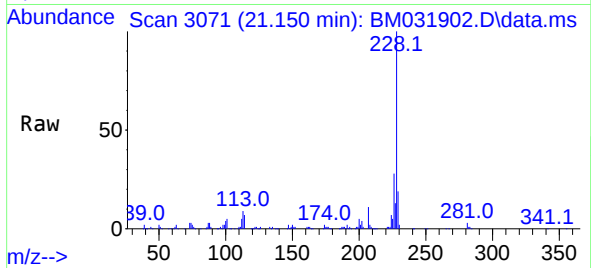


#83  
Chrysene  
Concen: 6.981 ng  
RT: 21.150 min Scan# 3071  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:228 Resp: 117911

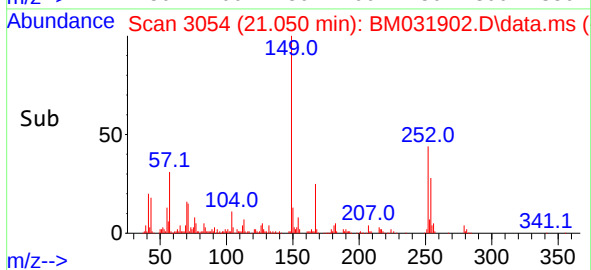
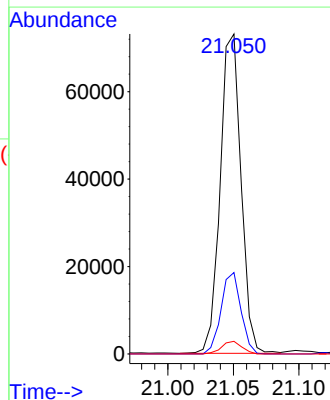
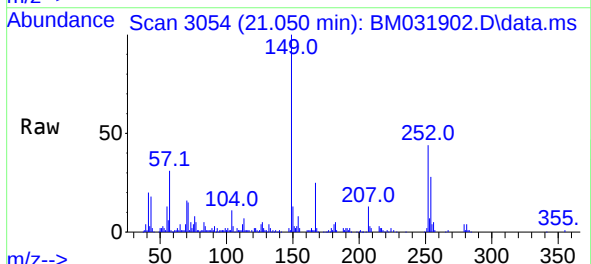
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.0  | 24.0  | 36.0  |
| 229 | 19.4  | 16.0  | 24.0  |

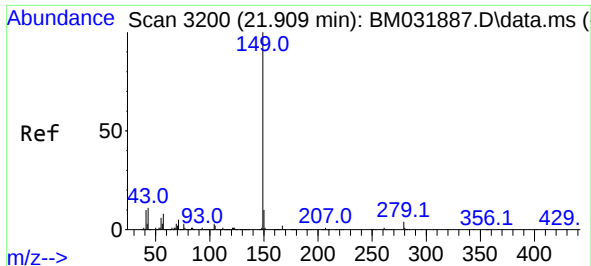


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.386 ng  
RT: 21.050 min Scan# 3054  
Delta R.T. 0.000 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:149 Resp: 80497

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 25.4  | 19.7  | 29.5  |
| 279 | 3.9   | 2.6   | 4.0   |

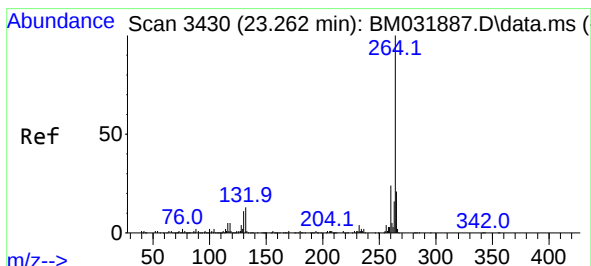
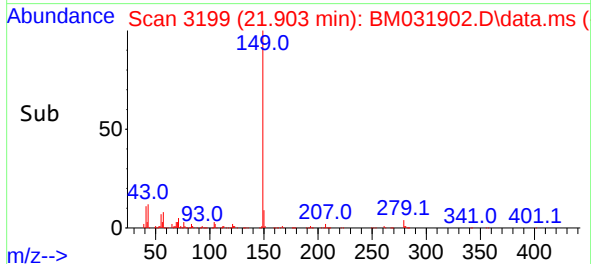
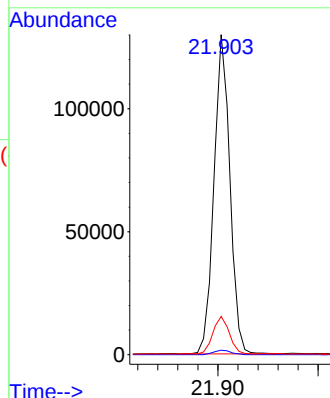
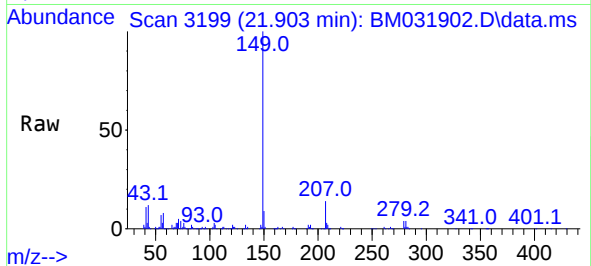




#85  
Di-n-octyl phthalate  
Concen: 7.526 ng  
RT: 21.903 min Scan# 3199  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

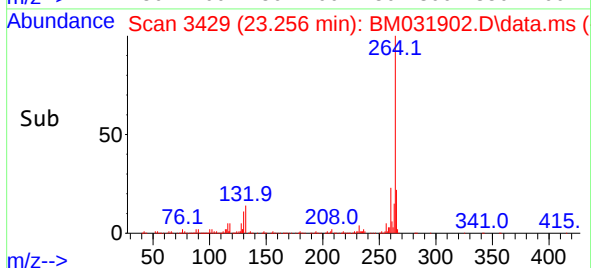
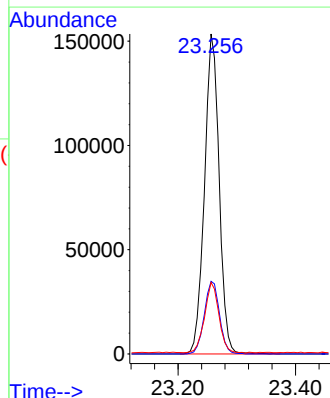
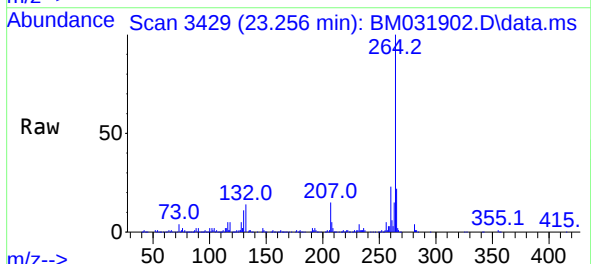
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

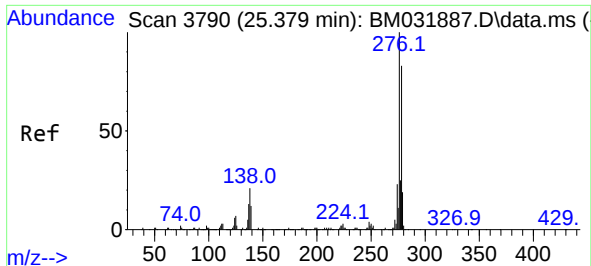
Tgt Ion:149 Resp: 142954  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 12.2 10.4 15.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.256 min Scan# 3429  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:264 Resp: 266242  
Ion Ratio Lower Upper  
264 100  
260 22.7 19.3 28.9  
265 22.3 18.3 27.5

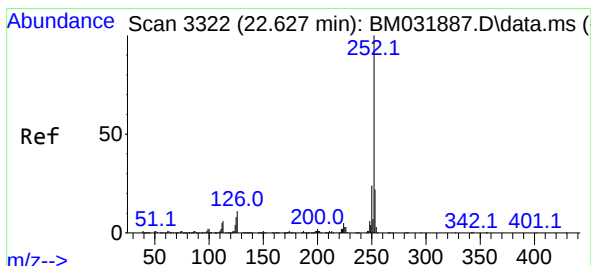
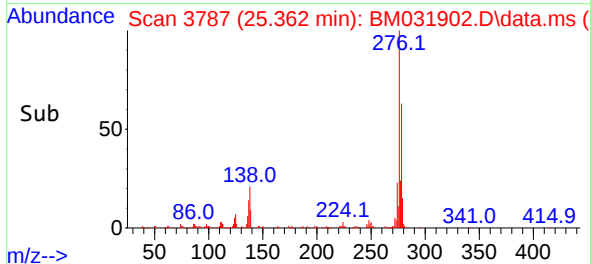
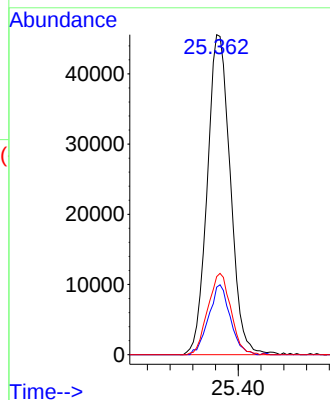
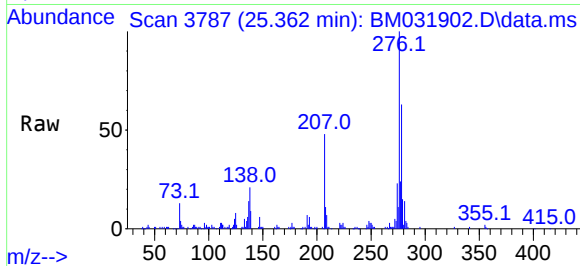




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.953 ng  
RT: 25.362 min Scan# 3787  
Delta R.T. -0.018 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

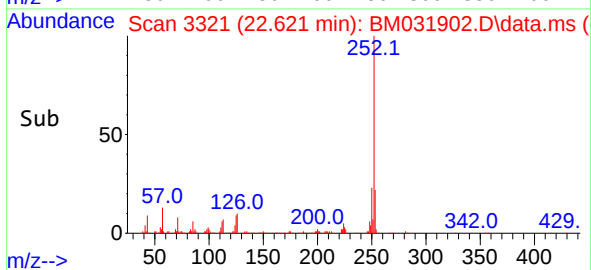
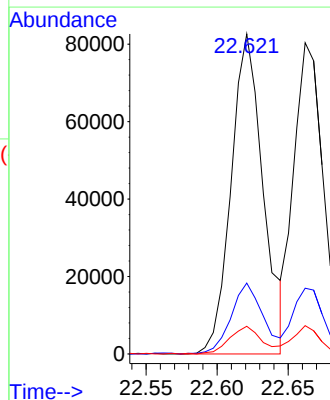
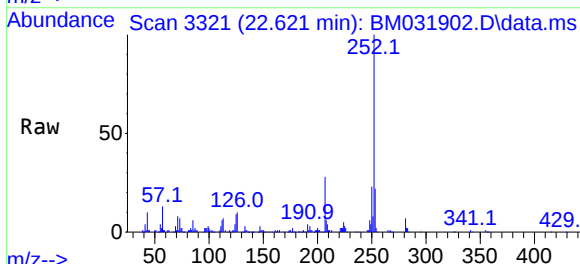
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

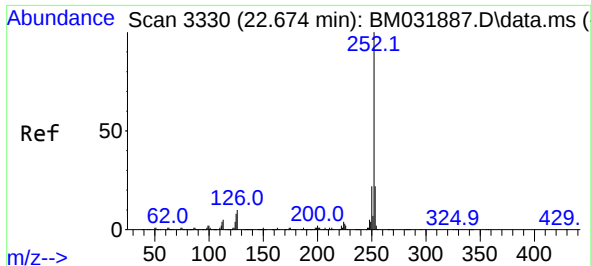
Tgt Ion:276 Resp: 128092  
Ion Ratio Lower Upper  
276 100  
138 20.5 18.4 27.6  
277 25.4 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 6.429 ng  
RT: 22.621 min Scan# 3321  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:252 Resp: 129587  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.0 27.0  
125 8.7 7.5 11.3

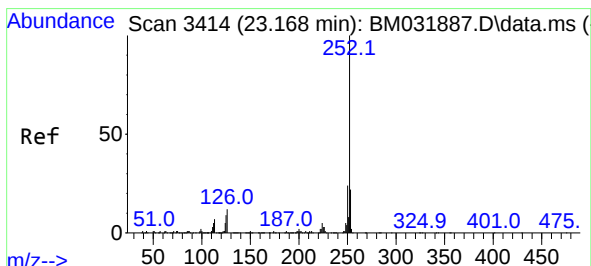
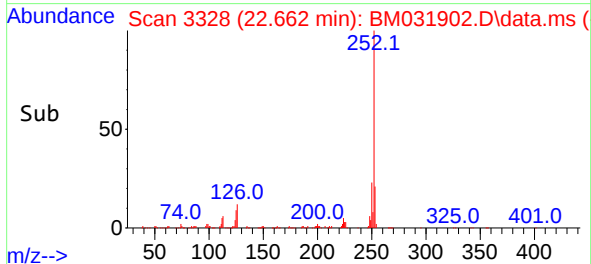
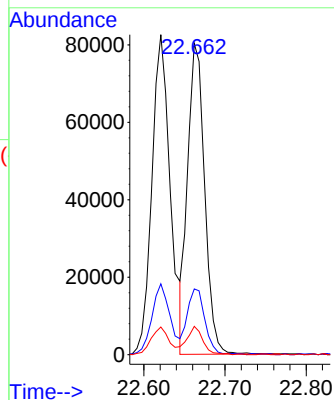
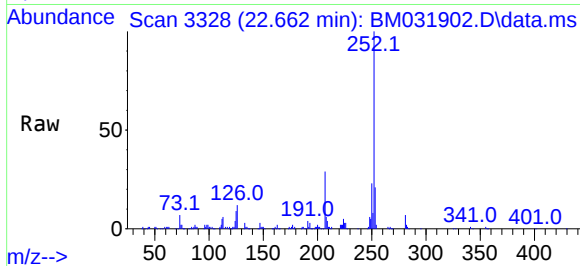




#89  
Benzo(k)fluoranthene  
Concen: 6.132 ng  
RT: 22.662 min Scan# 3328  
Delta R.T. -0.012 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

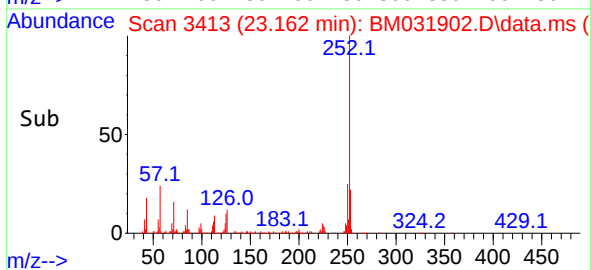
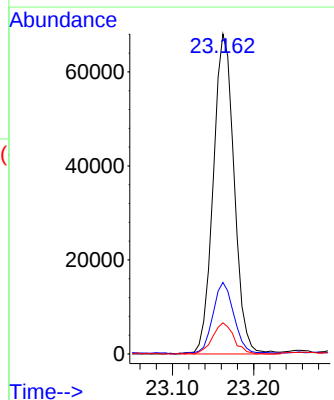
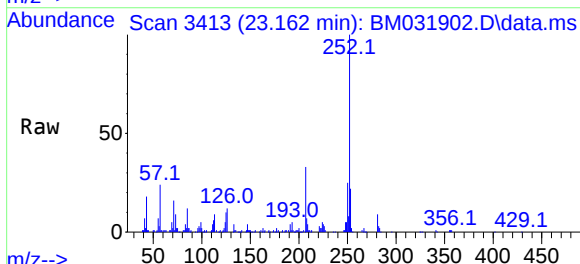
Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

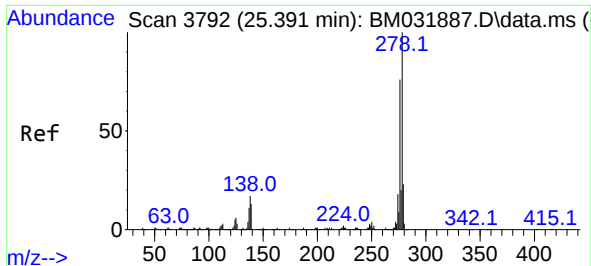
Tgt Ion:252 Resp: 117176  
Ion Ratio Lower Upper  
252 100  
253 21.1 17.3 25.9  
125 9.1 7.5 11.3



#90  
Benzo(a)pyrene  
Concen: 6.979 ng  
RT: 23.162 min Scan# 3413  
Delta R.T. -0.006 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:252 Resp: 121843  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.2  
125 9.8 8.1 12.1

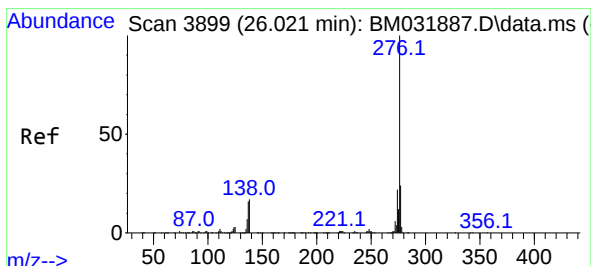
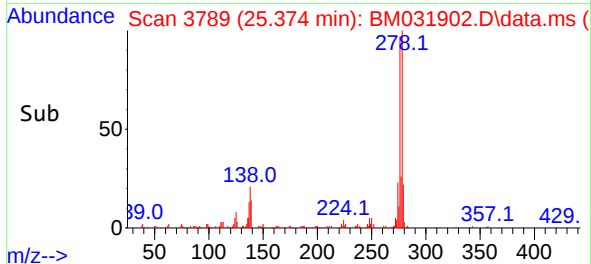
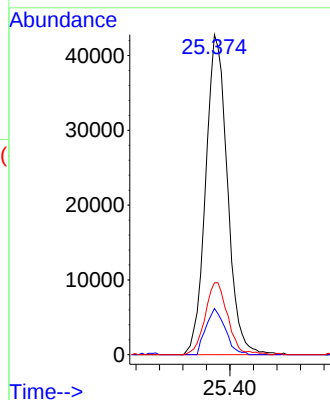
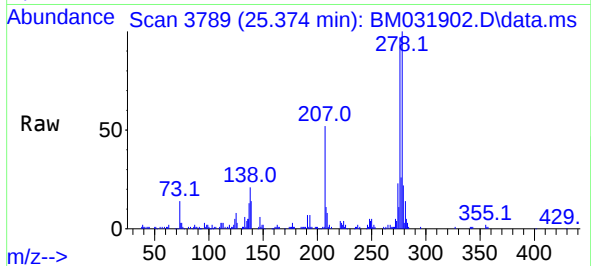




#91  
Dibenzo(a,h)anthracene  
Concen: 6.891 ng  
RT: 25.374 min Scan# 3789  
Delta R.T. -0.018 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Instrument :  
BNA\_M  
ClientSampleId :  
MDL-SOIL-03-QT2-2021

Tgt Ion:278 Resp: 109953  
Ion Ratio Lower Upper  
278 100  
139 14.4 10.9 16.3  
279 22.5 18.2 27.2



#92  
Benzo(g,h,i)perylene  
Concen: 7.057 ng  
RT: 26.009 min Scan# 3897  
Delta R.T. -0.012 min  
Lab File: BM031902.D  
Acq: 25 Aug 2021 23:45

Tgt Ion:276 Resp: 106467  
Ion Ratio Lower Upper  
276 100  
277 24.7 19.4 29.0  
138 18.6 14.6 22.0

