

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM031622\  
 Data File : BM034253.D  
 Acq On : 16 Mar 2022 11:14  
 Operator : CG/JU  
 Sample : N1645-01  
 Misc : LOD-MDL-SOIL 4ppn  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 16 12:54:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 16 02:38:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.948  | 152  | 169538   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.760 | 136  | 706743   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.589 | 164  | 489101   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.324 | 188  | 1010587  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.494 | 240  | 887272   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.906 | 264  | 756381   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.496  | 112  | 1375106  | 145.507 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.107  | 99   | 1914949  | 141.524 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.113  | 82   | 1127258  | 77.656  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.071 | 330  | 978176   | 148.378 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.219 | 172  | 2779443  | 77.654  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.942 | 244  | 4339795  | 84.989  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.354  | 88   | 16289    | 3.810   | ng    | 92       |
| 3) Pyridine                   | 3.772  | 79   | 34862    | 3.013   | ng    | # 86     |
| 4) n-Nitrosodimethylamine     | 3.672  | 42   | 19068    | 3.471   | ng    | # 99     |
| 6) Aniline                    | 7.266  | 93   | 57263    | 3.703   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.507  | 128  | 37456    | 3.389   | ng    | 91       |
| 9) Benzaldehyde               | 7.078  | 77   | 39190    | 5.376   | ng    | 95       |
| 10) Phenol                    | 7.131  | 94   | 46145    | 3.429   | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 7.366  | 93   | 40183    | 3.638   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.837  | 146  | 43691    | 3.485   | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.984  | 146  | 43755    | 3.409   | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.301  | 146  | 42967    | 3.434   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.184  | 79   | 33336    | 3.096   | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.484  | 45   | 54281    | 3.581   | ng    | 99       |
| 17) 2-Methylphenol            | 8.389  | 107  | 30257    | 3.210   | ng    | 97       |
| 18) Hexachloroethane          | 9.036  | 117  | 16608    | 3.508   | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.754  | 70   | 33133    | 3.385   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.719  | 107  | 39110    | 3.000   | ng    | 97       |
| 22) Acetophenone              | 8.772  | 105  | 64858    | 3.576   | ng    | # 95     |
| 24) Nitrobenzene              | 9.148  | 77   | 52989    | 3.910   | ng    | 99       |
| 25) Isophorone                | 9.678  | 82   | 89128    | 3.669   | ng    | 97       |
| 26) 2-Nitrophenol             | 9.866  | 139  | 16838    | 2.802   | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.931  | 122  | 35197    | 3.740   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.166 | 93   | 51433    | 3.307   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.407 | 162  | 31877    | 2.915   | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.625 | 180  | 42403    | 3.412   | ng    | 95       |
| 31) Naphthalene               | 10.813 | 128  | 126805   | 3.444   | ng    | 99       |
| 32) Benzoic acid              | 9.983  | 122  | 9776     | 1.256   | ng    | # 79     |
| 33) 4-Chloroaniline           | 10.919 | 127  | 44533    | 3.066   | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.107 | 225  | 26841    | 3.409   | ng    | 96       |
| 35) Caprolactam               | 11.672 | 113  | 9632     | 2.534   | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.036 | 107  | 37580    | 2.999   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.419 | 142  | 90358    | 3.439   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.636 | 142  | 90453    | 3.520   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.789 | 216  | 50314    | 3.409   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.777 | 237  | 30790    | 3.603   | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.019 | 196  | 28399    | 2.787   | ng    | 98       |

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 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

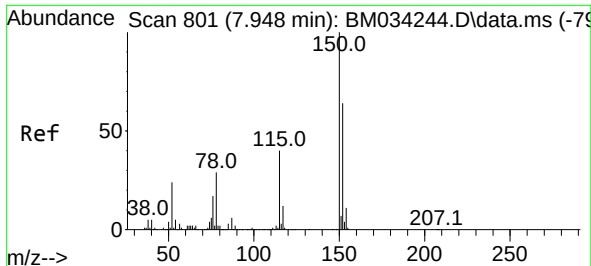
Quant Time: Mar 16 12:54:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 16 02:38:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.089 | 196  | 30232    | 2.764 | ng    | 92       |
| 46) 1,1'-Biphenyl             | 13.424 | 154  | 129792   | 3.480 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.466 | 162  | 95339    | 3.331 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.660 | 65   | 21691    | 2.479 | ng    | 86       |
| 49) Acenaphthylene            | 14.307 | 152  | 154875   | 3.471 | ng    | 100      |
| 50) Dimethylphthalate         | 14.042 | 163  | 124550   | 3.346 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.154 | 165  | 23390    | 3.063 | ng    | 91       |
| 52) Acenaphthene              | 14.648 | 154  | 95802    | 3.188 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.483 | 138  | 17654    | 2.305 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 14.689 | 184  | 5612     | 1.312 | ng #  | 82       |
| 55) Dibenzofuran              | 14.983 | 168  | 149963   | 3.348 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.789 | 139  | 9740     | 1.568 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.936 | 165  | 27916    | 2.705 | ng    | 94       |
| 58) Fluorene                  | 15.630 | 166  | 119378   | 3.283 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.207 | 232  | 28746    | 2.914 | ng    | 98       |
| 60) Diethylphthalate          | 15.401 | 149  | 126475   | 3.312 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.624 | 204  | 62926    | 3.390 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.642 | 138  | 13842    | 1.878 | ng    | 93       |
| 63) Azobenzene                | 15.918 | 77   | 116333   | 3.159 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.701 | 198  | 12606    | 1.918 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.836 | 169  | 101797   | 3.171 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.518 | 248  | 38147    | 3.284 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.636 | 284  | 44965    | 3.470 | ng    | 97       |
| 69) Atrazine                  | 16.777 | 200  | 36226    | 3.423 | ng    | 97       |
| 70) Pentachlorophenol         | 16.977 | 266  | 21647    | 2.612 | ng    | 94       |
| 71) Phenanthrene              | 17.365 | 178  | 188908   | 3.338 | ng    | 99       |
| 72) Anthracene                | 17.459 | 178  | 182011   | 3.304 | ng    | 100      |
| 73) Carbazole                 | 17.724 | 167  | 136911   | 2.665 | ng    | 96       |
| 74) Di-n-butylphthalate       | 18.295 | 149  | 190706   | 2.986 | ng    | 99       |
| 75) Fluoranthene              | 19.377 | 202  | 205452   | 3.238 | ng    | 99       |
| 77) Benzidine                 | 19.565 | 184  | 13714    | 1.055 | ng    | 95       |
| 78) Pyrene                    | 19.736 | 202  | 216714   | 3.467 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.630 | 149  | 72184    | 2.730 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.477 | 228  | 181905   | 3.248 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.412 | 252  | 45949    | 2.457 | ng    | 99       |
| 83) Chrysene                  | 21.530 | 228  | 191751   | 3.353 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.412 | 149  | 104945   | 2.688 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.336 | 149  | 155876   | 2.515 | ng #  | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.424 | 276  | 122738   | 2.523 | ng #  | 88       |
| 88) Benzo(b)fluoranthene      | 23.171 | 252  | 144413   | 3.193 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.218 | 252  | 158297   | 3.304 | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.800 | 252  | 131159   | 3.421 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 26.441 | 278  | 101105   | 2.563 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.194 | 276  | 119377   | 2.923 | ng    | 97       |

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

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BNA\_M  
**ClientSampleId :**  
LOD-MDL-SOIL-01-QT1-2022

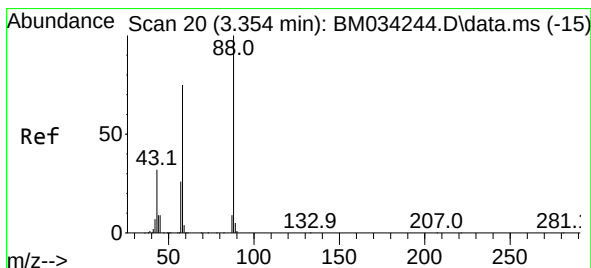
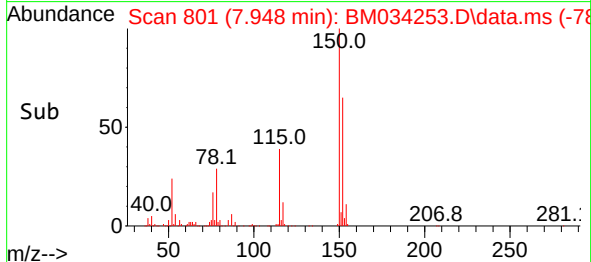
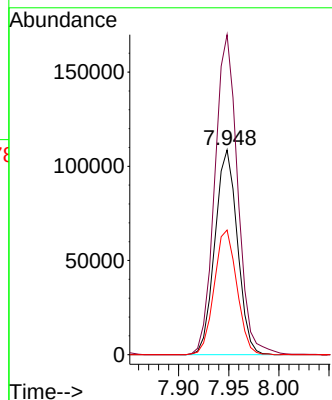
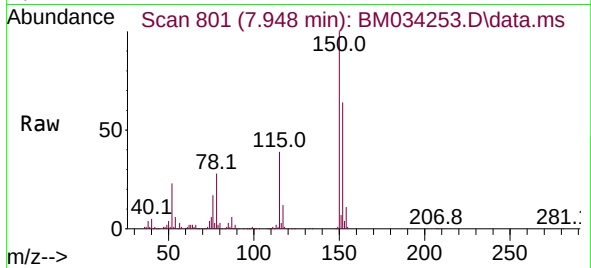
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.948 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

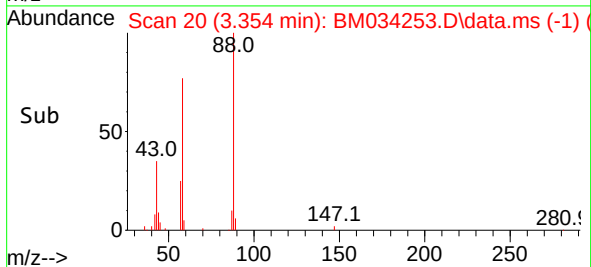
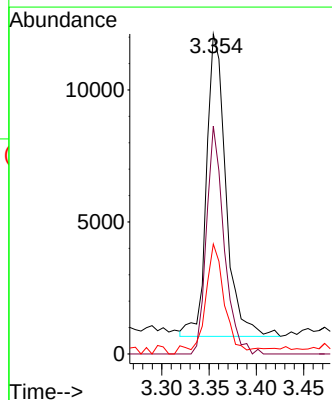
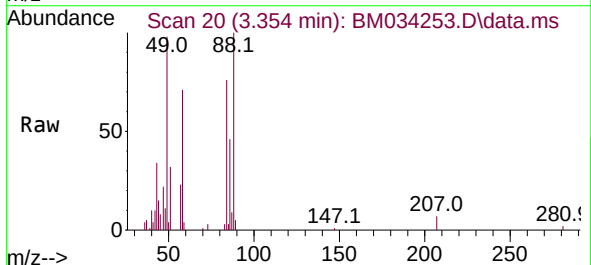
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

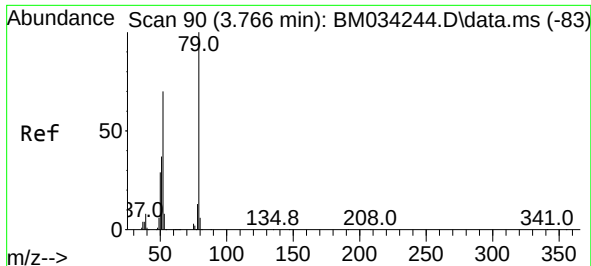
Tgt Ion:152 Resp: 169538  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.4 188.2  
115 60.8 50.1 75.1



#2  
1,4-Dioxane  
Concen: 3.810 ng  
RT: 3.354 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 88 Resp: 16289  
Ion Ratio Lower Upper  
88 100  
58 68.2 60.4 90.6  
43 36.1 25.4 38.0

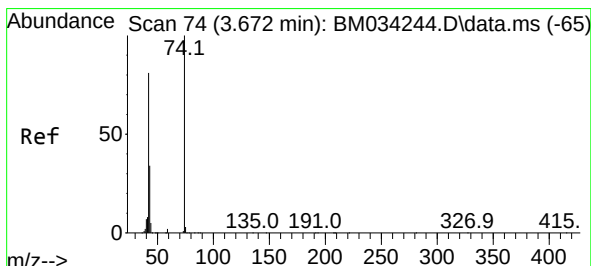
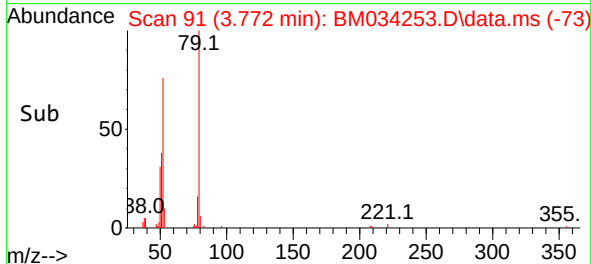
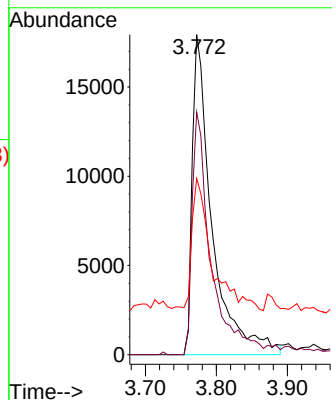
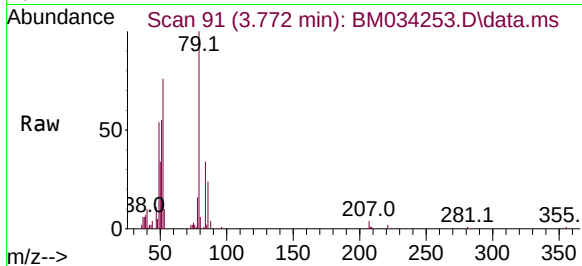




#3  
 Pyridine  
 Concen: 3.013 ng  
 RT: 3.772 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

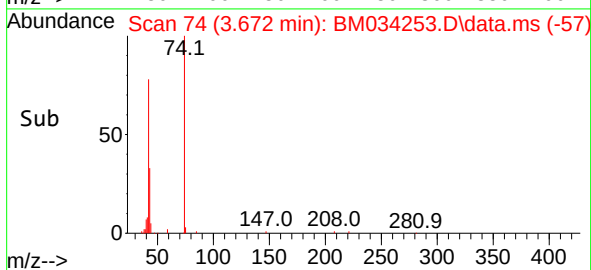
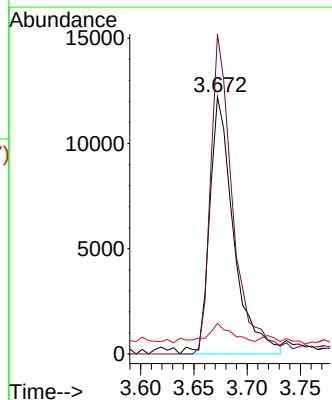
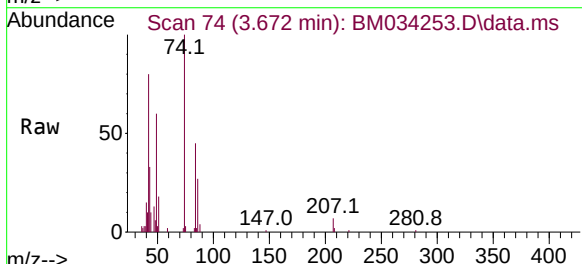
Instrument :  
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 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

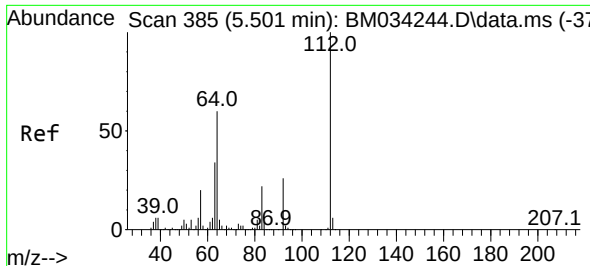
Tgt Ion: 79 Resp: 34862  
 Ion Ratio Lower Upper  
 79 100  
 52 75.9 56.1 84.1  
 51 55.0 30.4 45.6#



#4  
 n-Nitrosodimethylamine  
 Concen: 3.471 ng  
 RT: 3.672 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

Tgt Ion: 42 Resp: 19068  
 Ion Ratio Lower Upper  
 42 100  
 74 124.6 99.3 148.9  
 44 11.9 5.0 7.6#

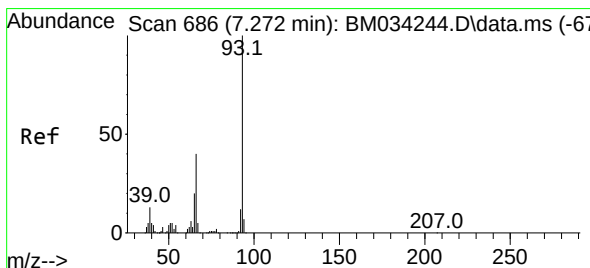
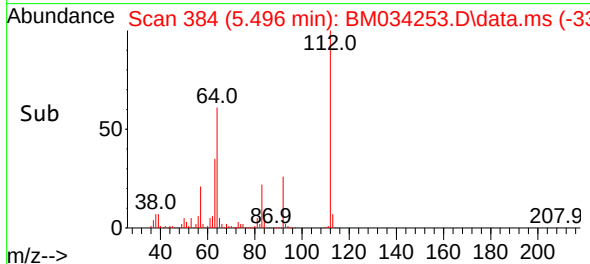
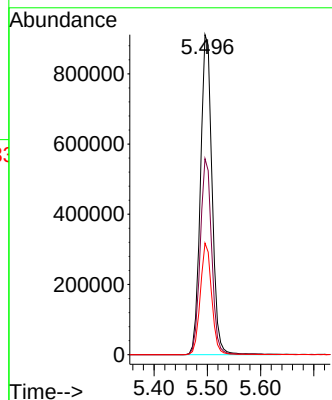
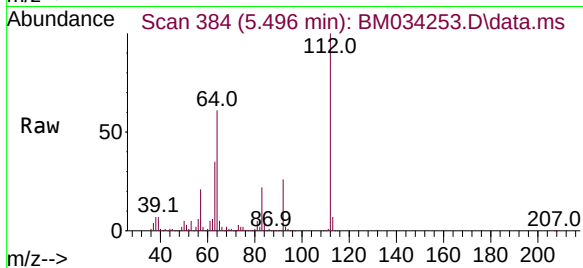




#5  
2-Fluorophenol  
Concen: 145.507 ng  
RT: 5.496 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

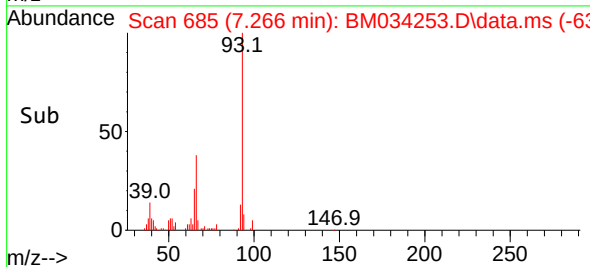
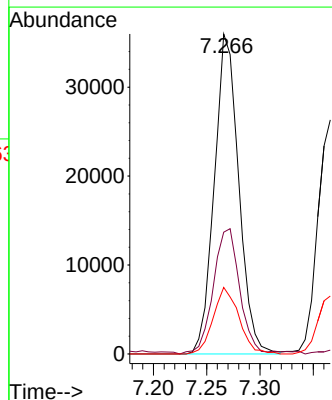
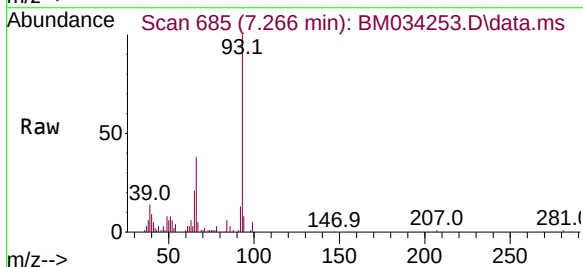
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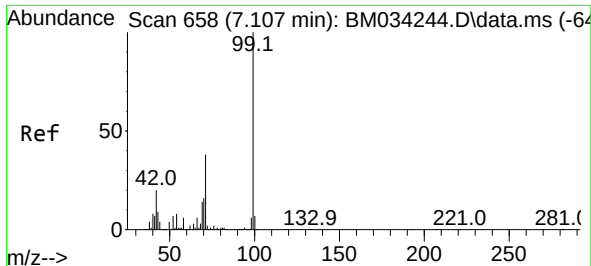
Tgt Ion:112 Resp: 1375106  
Ion Ratio Lower Upper  
112 100  
64 61.3 47.9 71.9  
63 34.8 27.1 40.7



#6  
Aniline  
Concen: 3.703 ng  
RT: 7.266 min Scan# 685  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 93 Resp: 57263  
Ion Ratio Lower Upper  
93 100  
66 38.0 31.9 47.9  
65 20.8 16.2 24.4

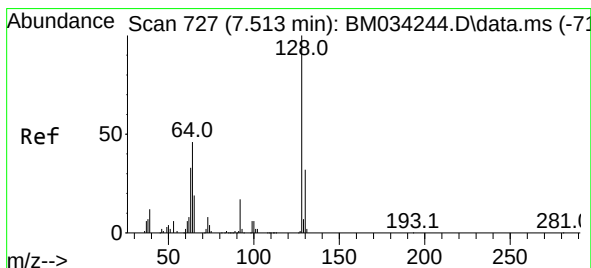
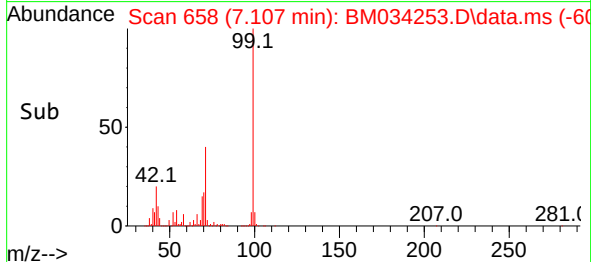
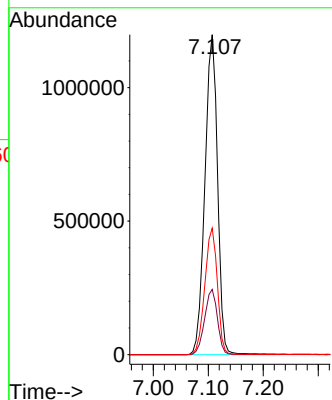
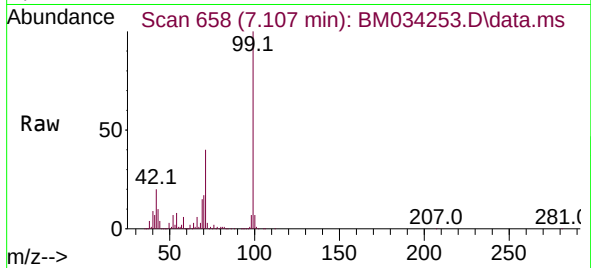




#7  
Phenol-d6  
Concen: 141.524 ng  
RT: 7.107 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

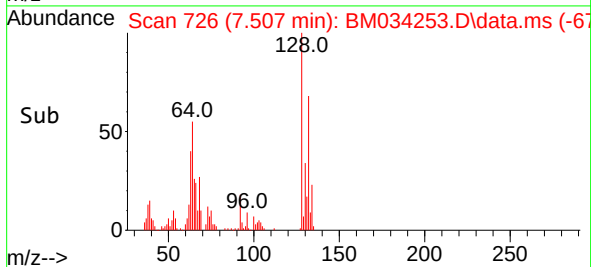
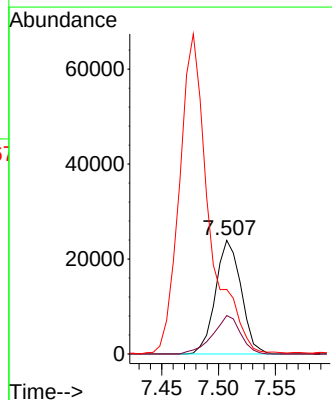
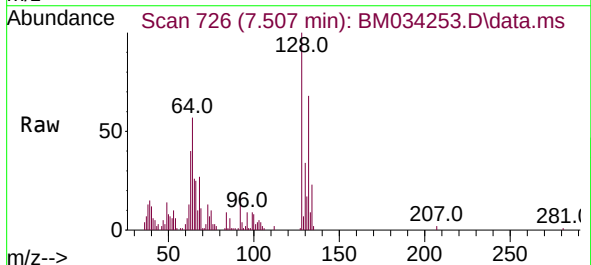
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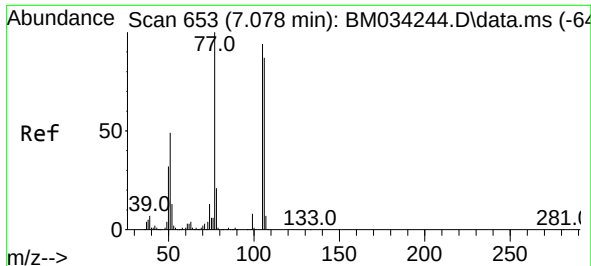
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Ion Ratio Lower Upper  
99 100  
42 20.4 15.6 23.4  
71 39.6 30.6 46.0



#8  
2-Chlorophenol  
Concen: 3.389 ng  
RT: 7.507 min Scan# 726  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:128 Resp: 37456  
Ion Ratio Lower Upper  
128 100  
130 33.8 12.3 52.3  
64 56.7 28.1 68.1

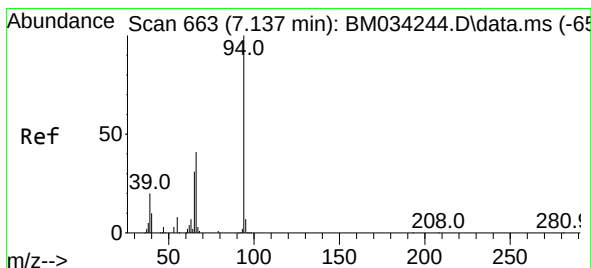
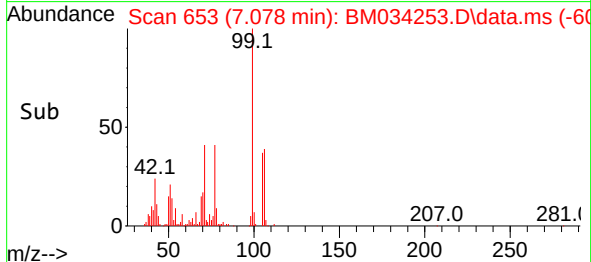
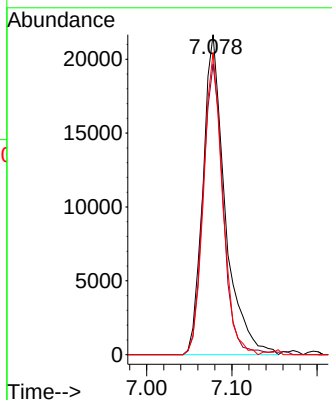
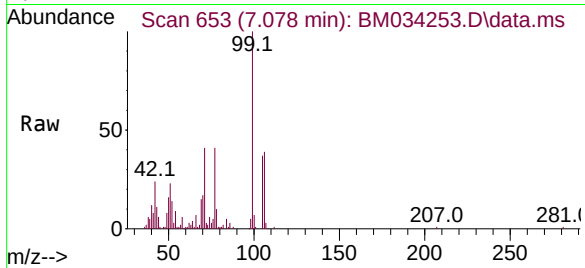




#9  
Benzaldehyde  
Concen: 5.376 ng  
RT: 7.078 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

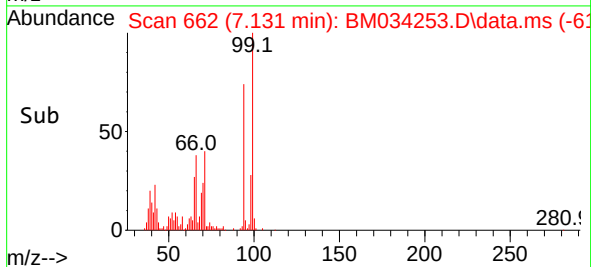
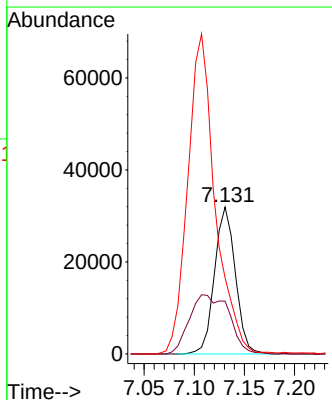
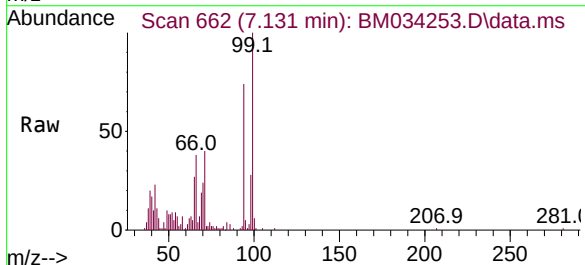
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 77 Resp: 39190  
Ion Ratio Lower Upper  
77 100  
105 90.7 73.9 113.9  
106 94.4 67.2 107.2

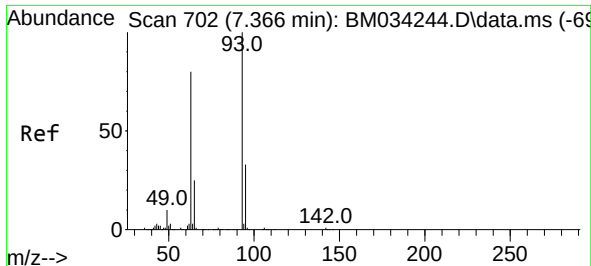


#10  
Phenol  
Concen: 3.429 ng  
RT: 7.131 min Scan# 662  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 94 Resp: 46145  
Ion Ratio Lower Upper  
94 100  
65 36.0 10.9 50.9  
66 51.8 22.0 62.0



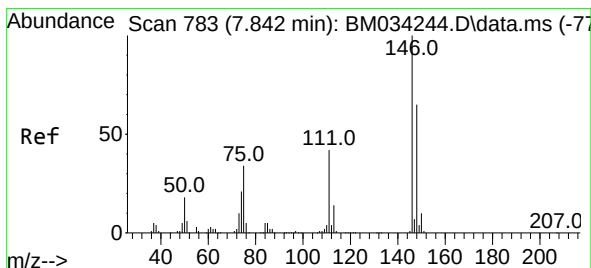
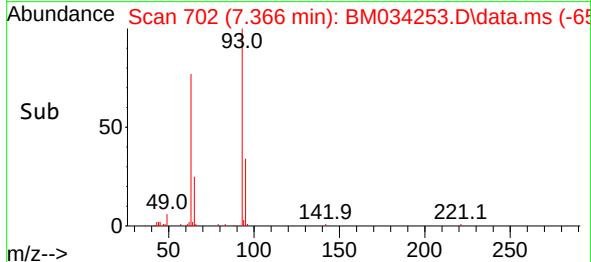
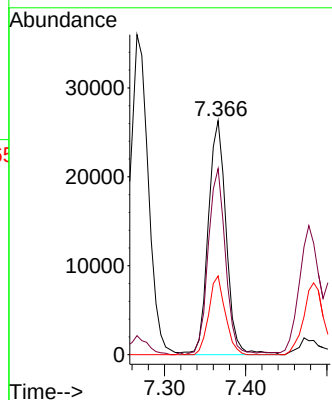
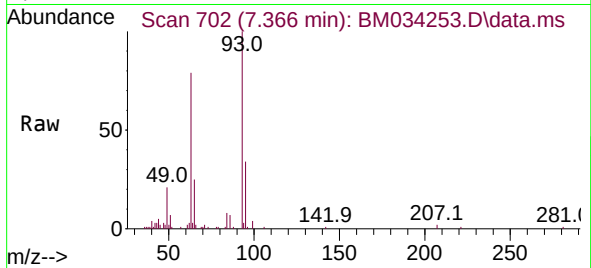




#11  
bis(2-Chloroethyl)ether  
Concen: 3.638 ng  
RT: 7.366 min Scan# 702  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

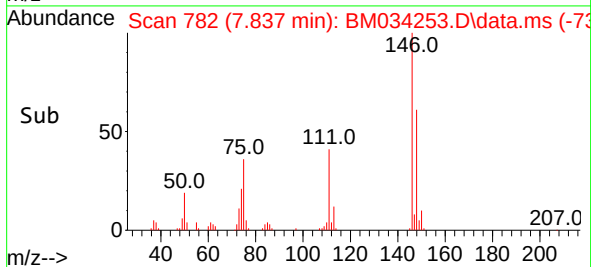
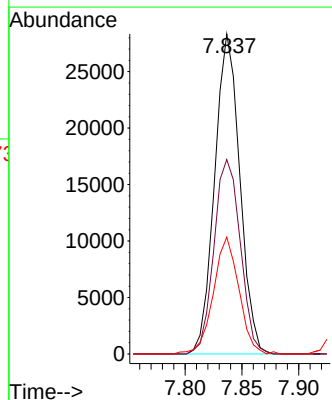
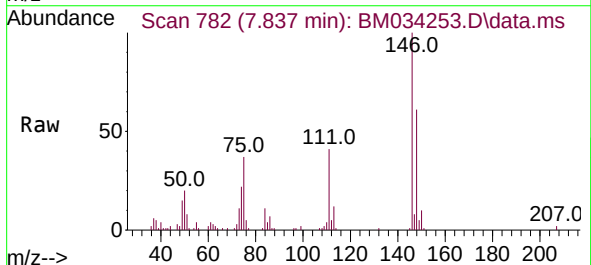
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

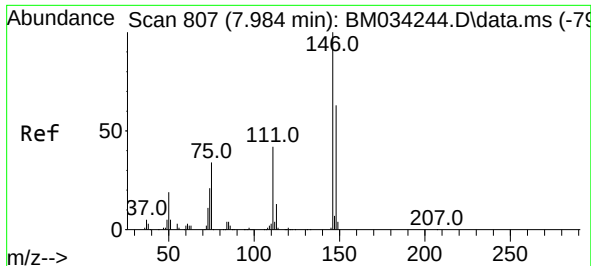
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 40183 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 79.5  | 59.6  | 99.6  |
| 95       | 33.6  | 12.6  | 52.6  |



#12  
1,3-Dichlorobenzene  
Concen: 3.485 ng  
RT: 7.837 min Scan# 782  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 43691 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 60.8  | 51.8  | 77.8  |
| 75       | 36.5  | 27.1  | 40.7  |

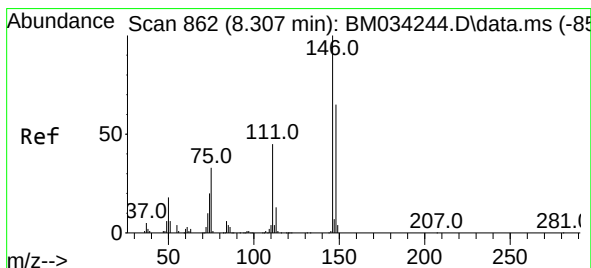
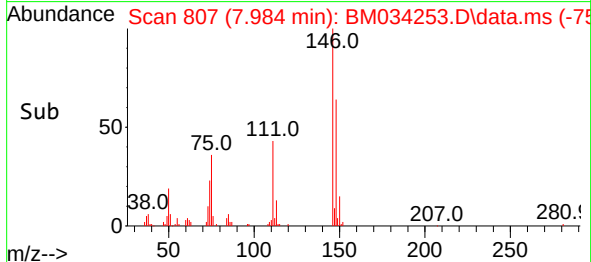
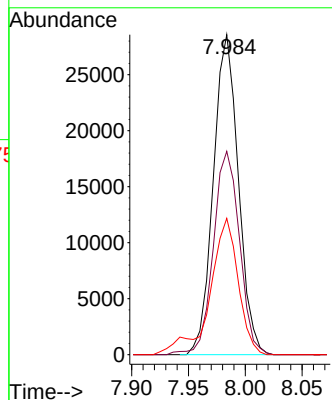
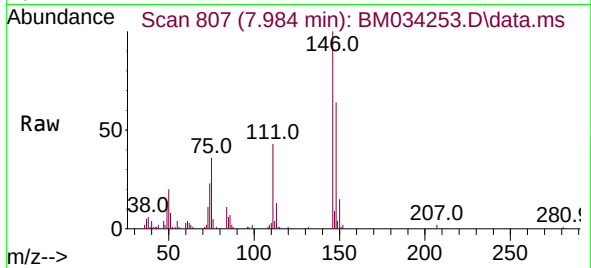




#13  
1,4-Dichlorobenzene  
Concen: 3.409 ng  
RT: 7.984 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

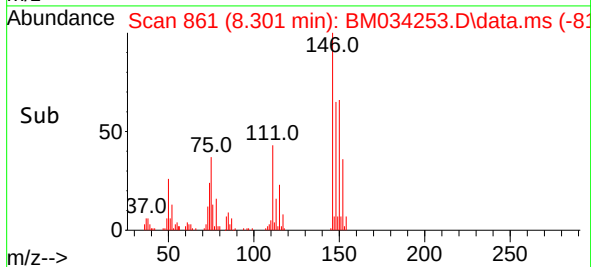
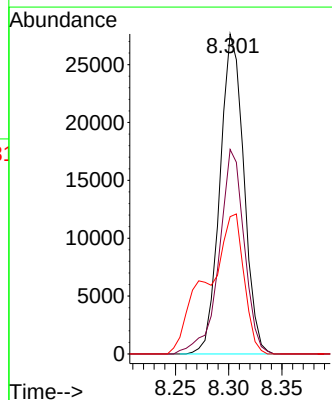
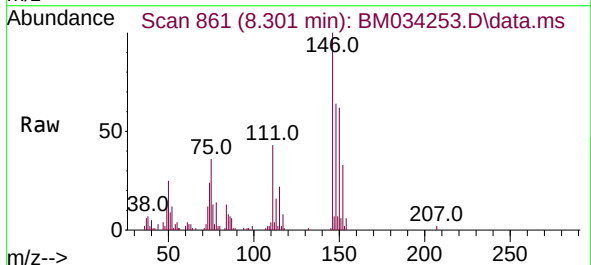
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

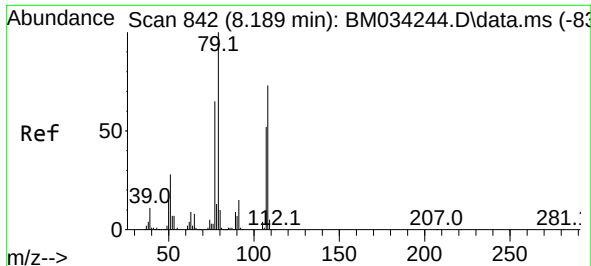
Tgt Ion:146 Resp: 43755  
Ion Ratio Lower Upper  
146 100  
148 63.5 50.6 76.0  
111 42.6 34.0 51.0



#14  
1,2-Dichlorobenzene  
Concen: 3.434 ng  
RT: 8.301 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:146 Resp: 42967  
Ion Ratio Lower Upper  
146 100  
148 63.9 52.2 78.4  
111 42.9 35.8 53.8

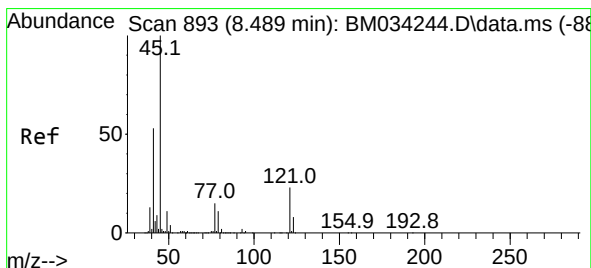
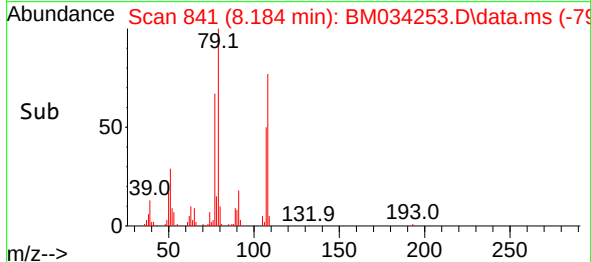
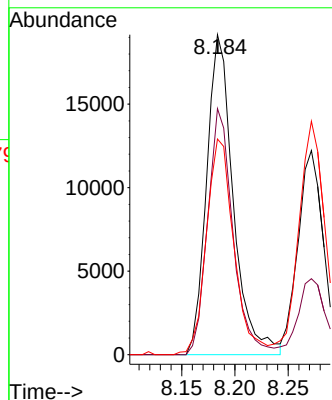
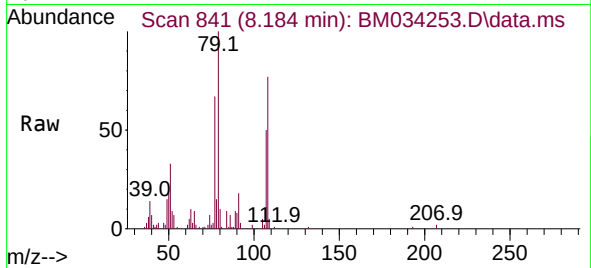




#15  
Benzyl Alcohol  
Concen: 3.096 ng  
RT: 8.184 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

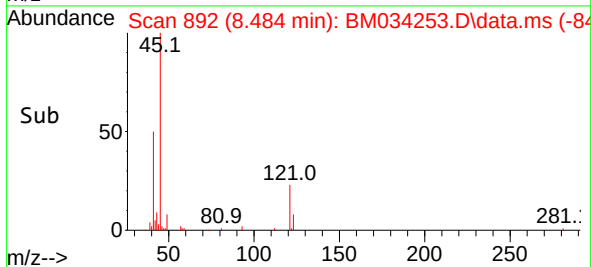
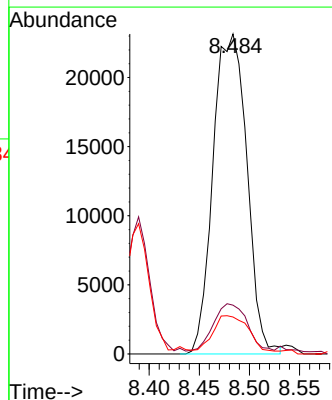
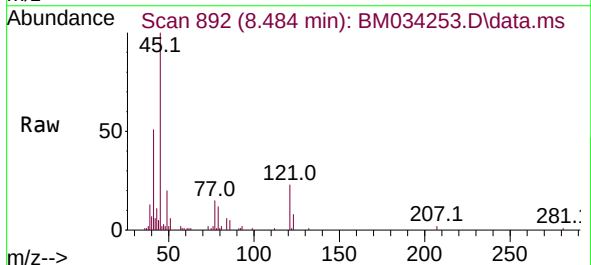
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

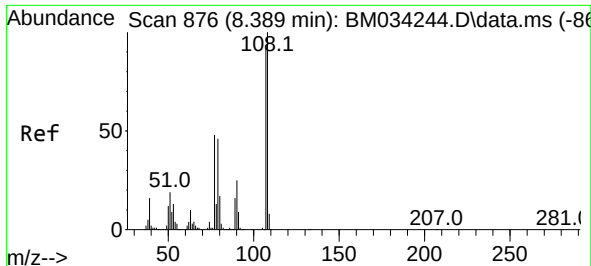
Tgt Ion: 79 Resp: 33336  
Ion Ratio Lower Upper  
79 100  
108 76.9 58.1 87.1  
77 67.4 51.8 77.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.581 ng  
RT: 8.484 min Scan# 892  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 45 Resp: 54281  
Ion Ratio Lower Upper  
45 100  
77 15.2 0.0 35.7  
79 11.6 0.0 31.7

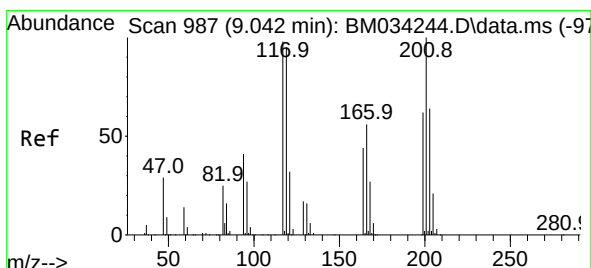
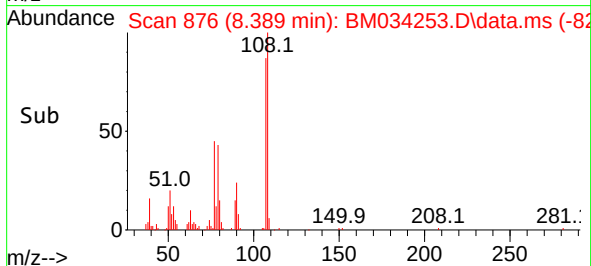
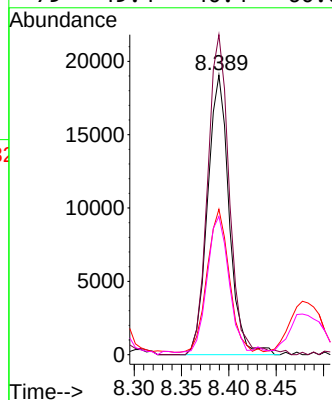
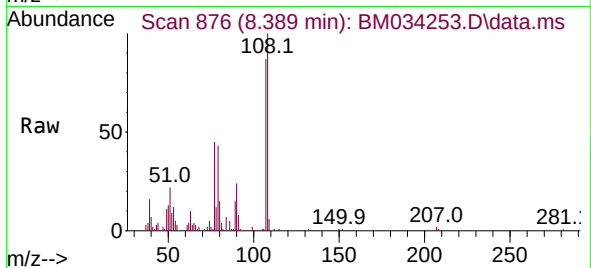




#17  
2-Methylphenol  
Concen: 3.210 ng  
RT: 8.389 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

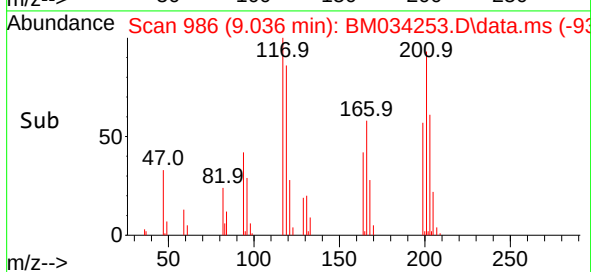
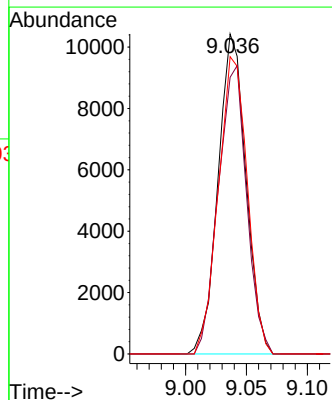
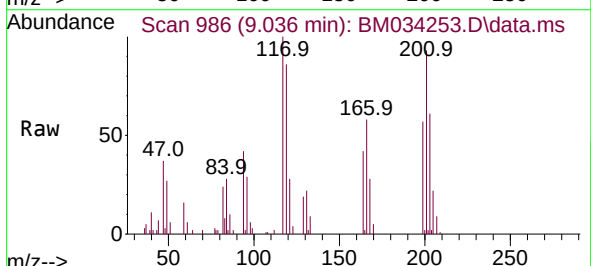
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

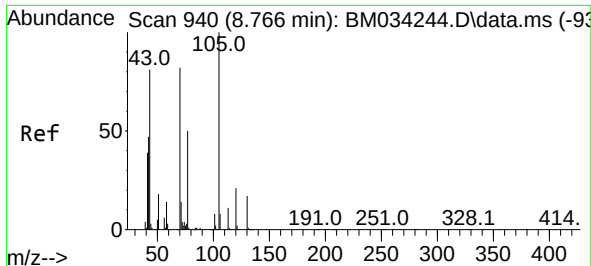
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 30257 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 114.5 | 87.3  | 130.9 |
| 77       | 52.0  | 41.6  | 62.4  |
| 79       | 49.4  | 40.4  | 60.6  |



#18  
Hexachloroethane  
Concen: 3.508 ng  
RT: 9.036 min Scan# 986  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16608 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 86.4  | 77.4  | 116.0 |
| 201      | 92.9  | 81.6  | 122.4 |

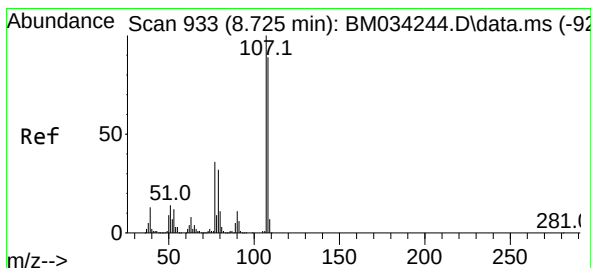
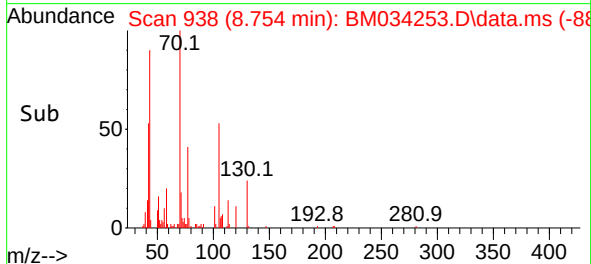
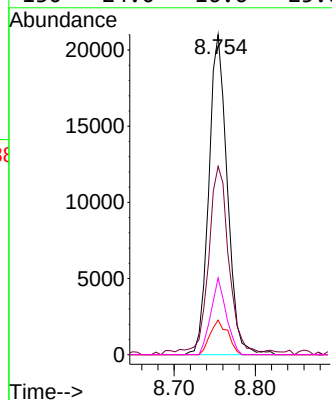
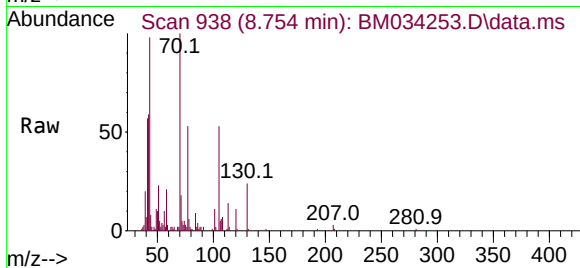




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.385 ng  
RT: 8.754 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

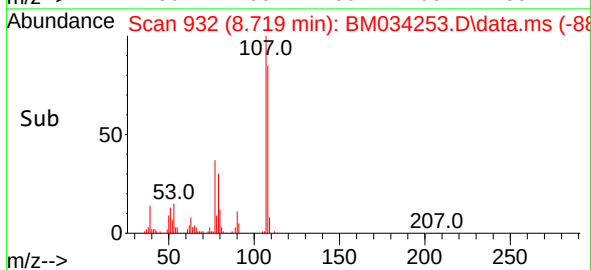
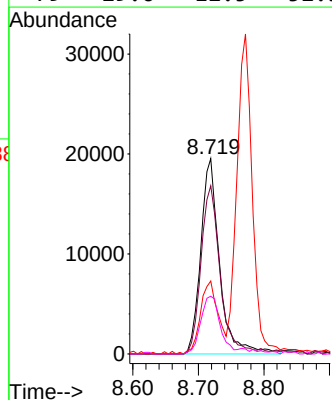
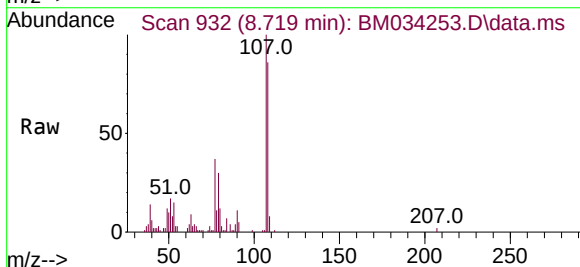
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

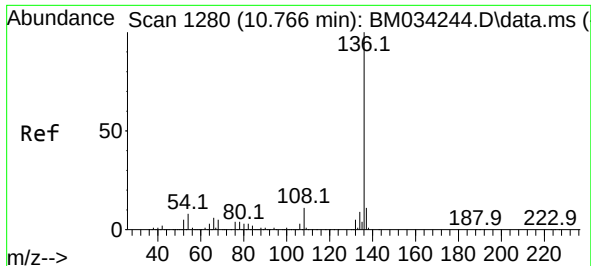
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 33133 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 58.9  | 46.7  | 70.1  |
| 101      | 10.8  | 7.8   | 11.6  |
| 130      | 24.0  | 16.6  | 25.0  |



#20  
3+4-Methylphenols  
Concen: 3.000 ng  
RT: 8.719 min Scan# 932  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 39110 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 86.0  | 69.2  | 109.2 |
| 77       | 37.4  | 16.5  | 56.5  |
| 79       | 29.6  | 12.5  | 52.5  |

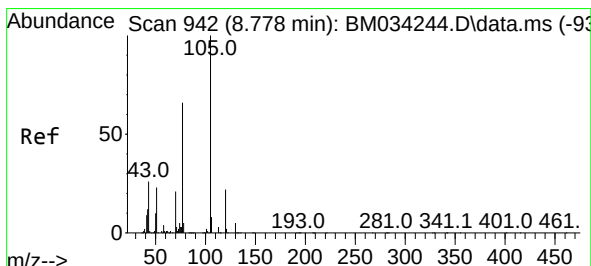
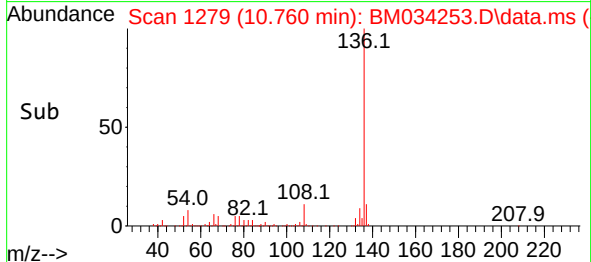
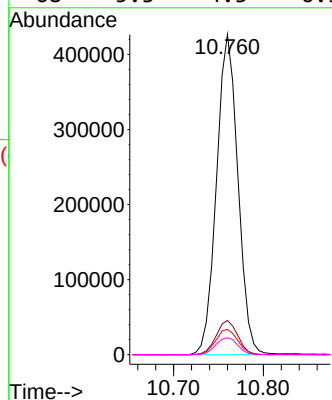
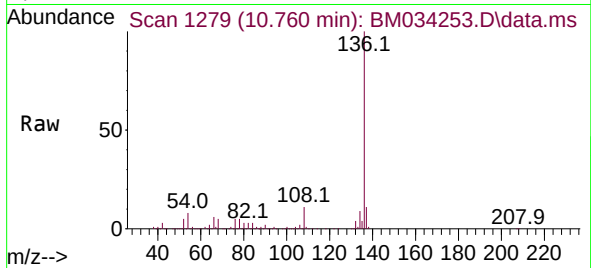




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.760 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

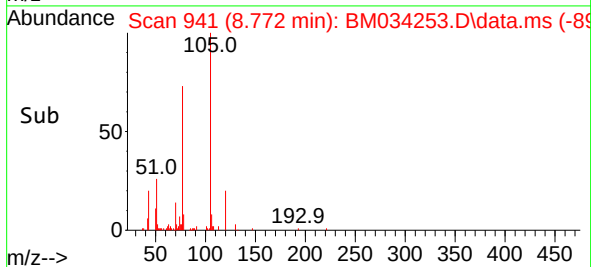
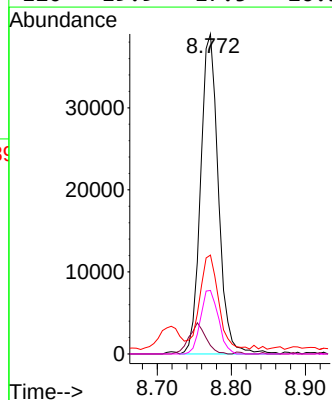
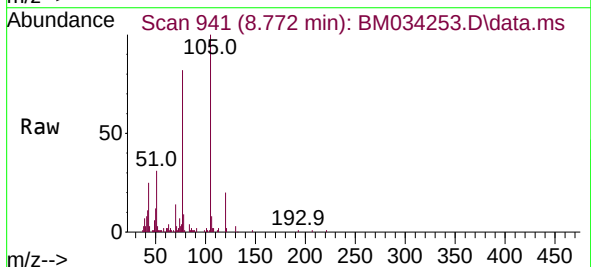
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

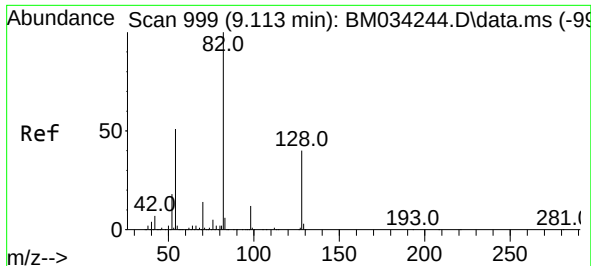
Tgt Ion:136 Resp: 706743  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 7.9 6.2 9.4  
68 5.3 4.3 6.5



#22  
Acetophenone  
Concen: 3.576 ng  
RT: 8.772 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:105 Resp: 64858  
Ion Ratio Lower Upper  
105 100  
71 2.7 3.0 4.4#  
51 30.9 22.6 33.8  
120 19.9 17.5 26.3

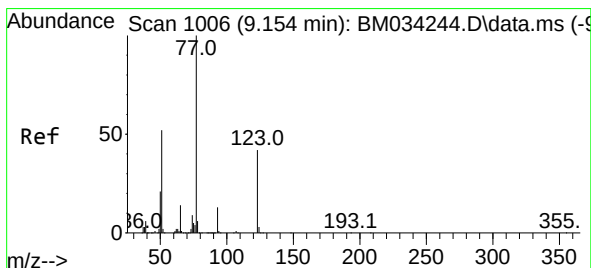
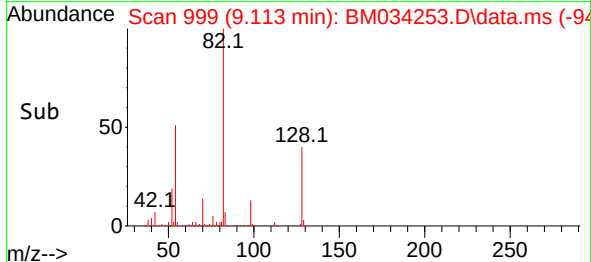
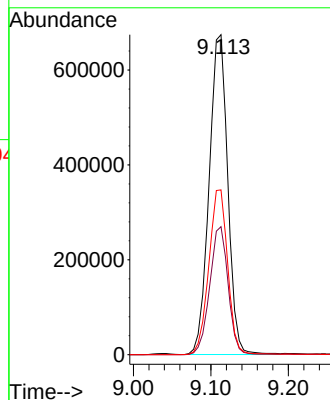
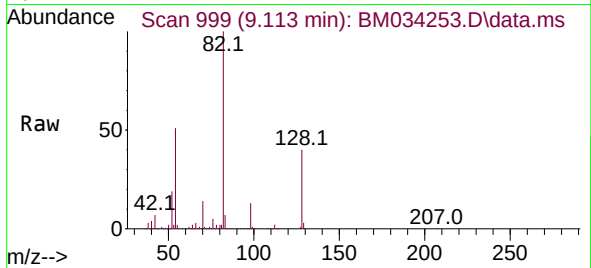




#23  
Nitrobenzene-d5  
Concen: 77.656 ng  
RT: 9.113 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

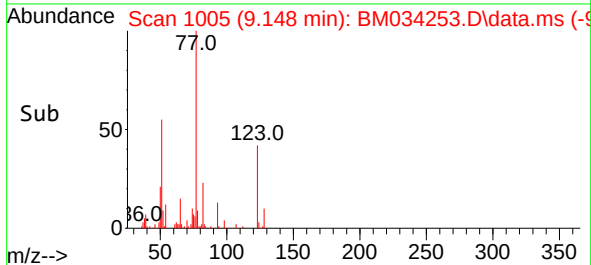
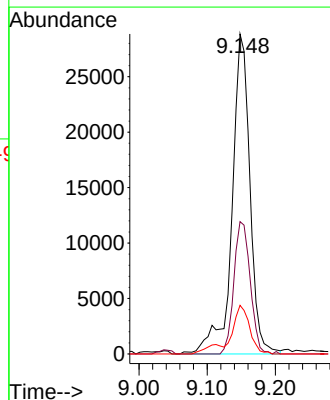
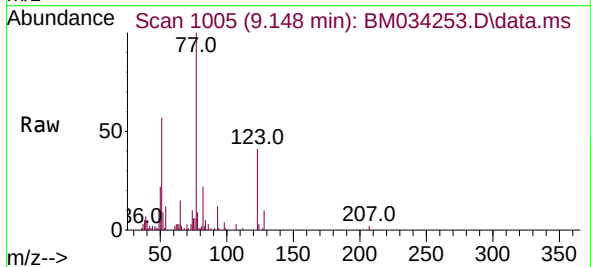
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

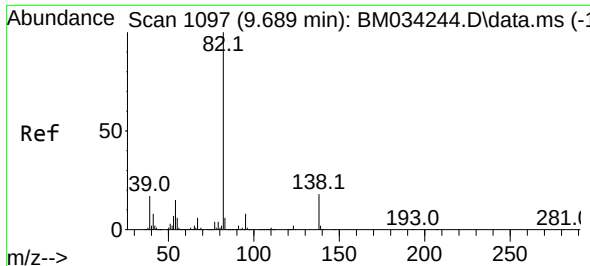
Tgt Ion: 82 Resp: 1127258  
Ion Ratio Lower Upper  
82 100  
128 40.0 31.9 47.9  
54 51.5 40.6 61.0



#24  
Nitrobenzene  
Concen: 3.910 ng  
RT: 9.148 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 77 Resp: 52989  
Ion Ratio Lower Upper  
77 100  
123 41.3 33.3 49.9  
65 15.2 11.0 16.4

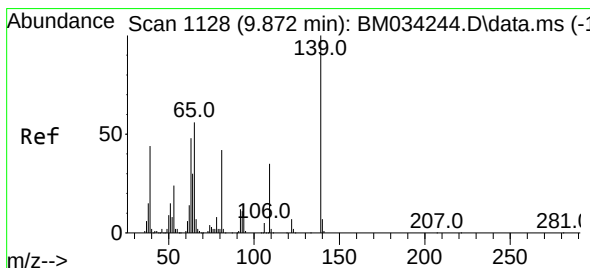
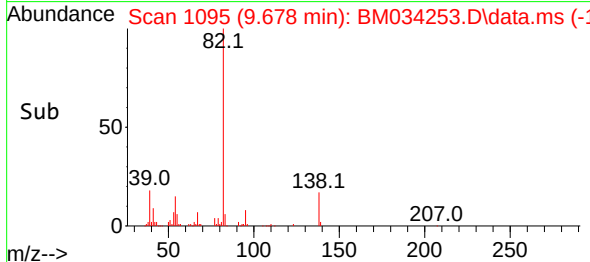
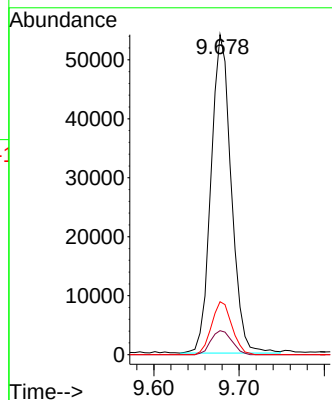
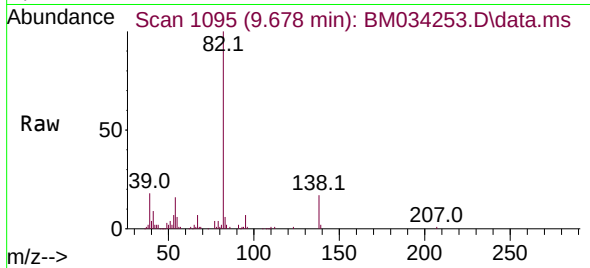




#25  
Isophorone  
Concen: 3.669 ng  
RT: 9.678 min Scan# 1095  
Delta R.T. -0.012 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

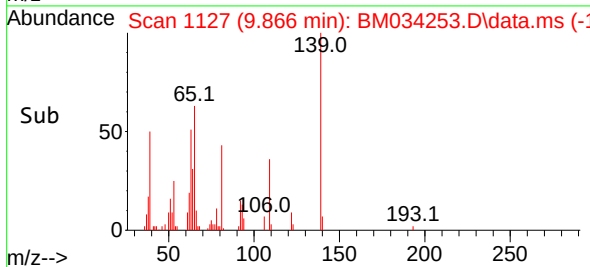
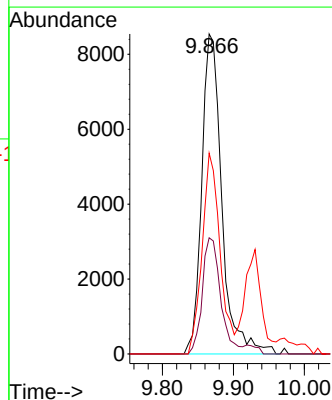
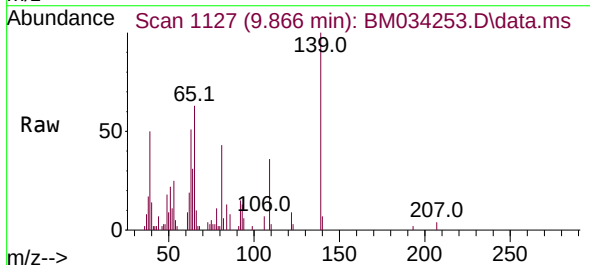
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 82 Resp: 89128  
Ion Ratio Lower Upper  
82 100  
95 7.5 6.6 9.8  
138 16.5 14.4 21.6

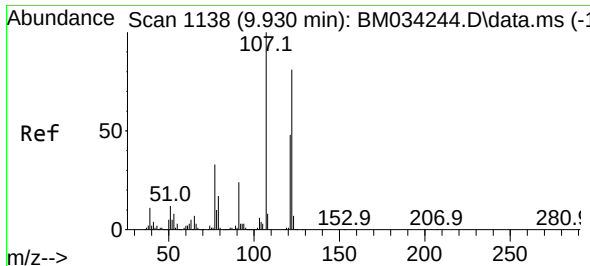


#26  
2-Nitrophenol  
Concen: 2.802 ng  
RT: 9.866 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 139 Resp: 16838  
Ion Ratio Lower Upper  
139 100  
109 36.3 28.1 42.1  
65 62.8 44.6 67.0



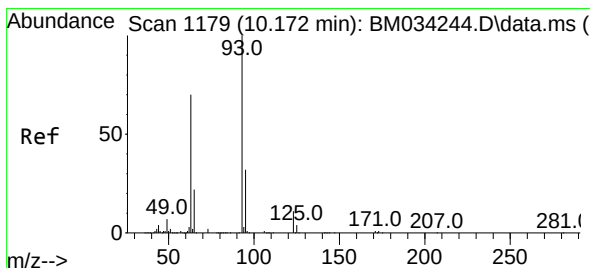
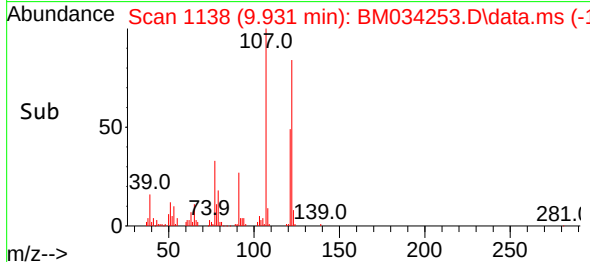
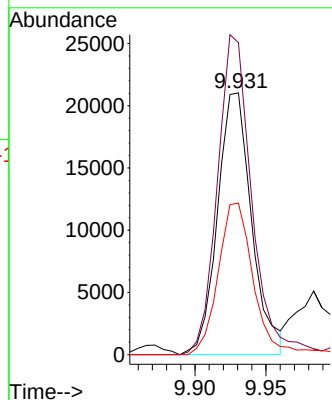
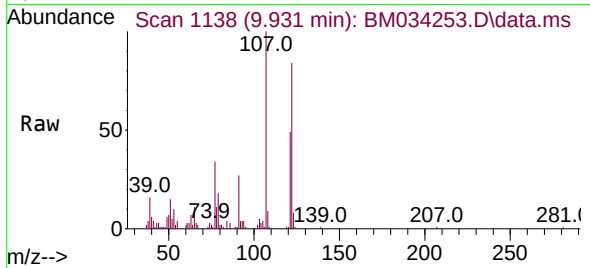




#27  
2,4-Dimethylphenol  
Concen: 3.740 ng  
RT: 9.931 min Scan# 1138  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

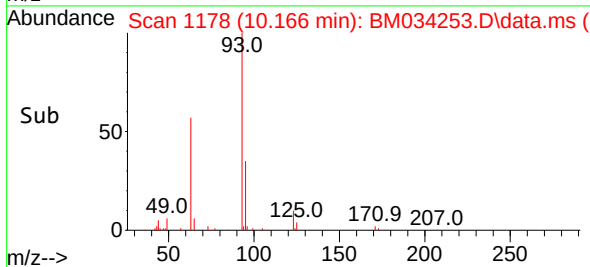
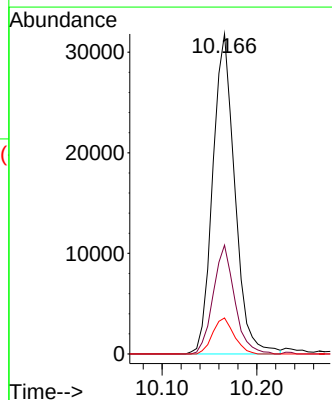
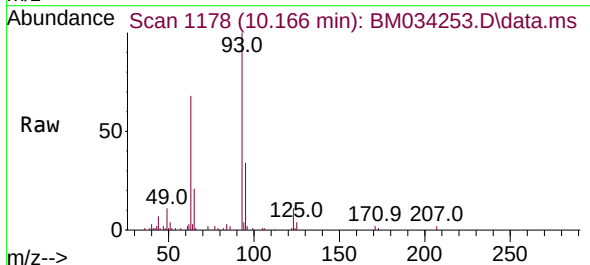
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

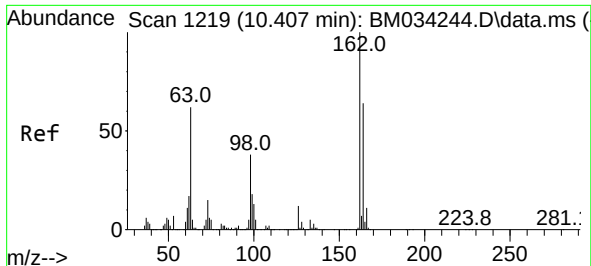
Tgt Ion:122 Resp: 35197  
Ion Ratio Lower Upper  
122 100  
107 119.3 99.0 148.6  
121 57.9 47.7 71.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 3.307 ng  
RT: 10.166 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 93 Resp: 51433  
Ion Ratio Lower Upper  
93 100  
95 34.0 26.0 39.0  
123 11.3 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 2.915 ng

RT: 10.407 min Scan# 1219

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

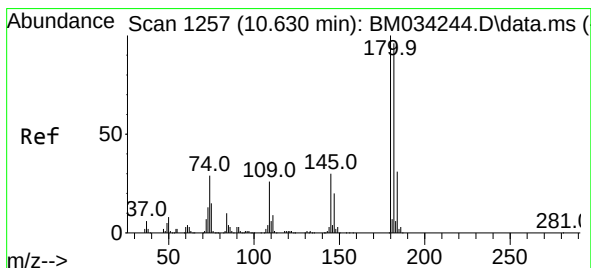
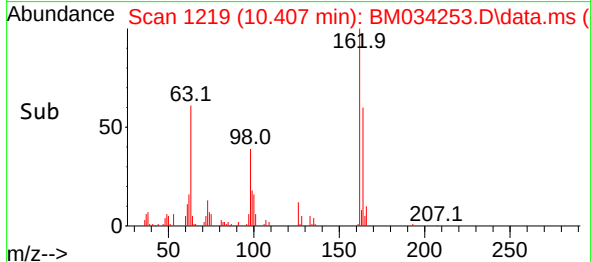
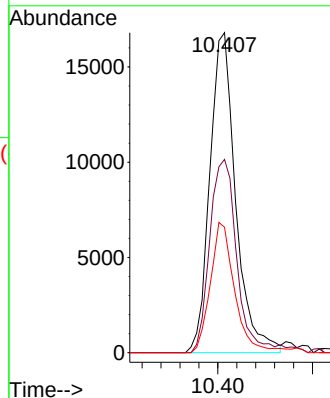
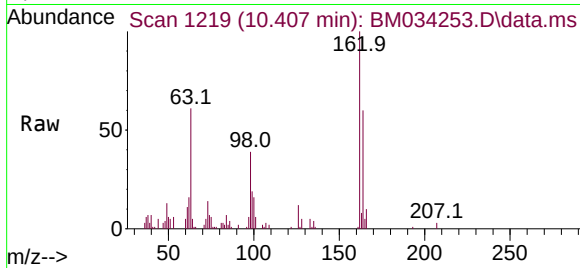
Tgt Ion:162 Resp: 31877

Ion Ratio Lower Upper

162 100

164 60.4 43.9 83.9

98 39.2 17.6 57.6



#30

1,2,4-Trichlorobenzene

Concen: 3.412 ng

RT: 10.625 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

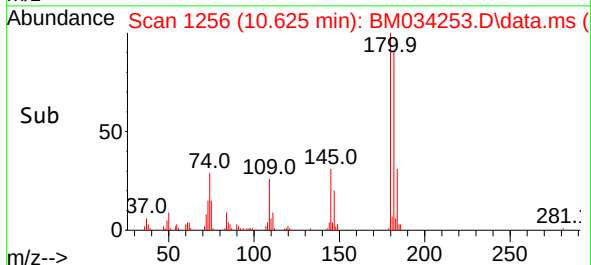
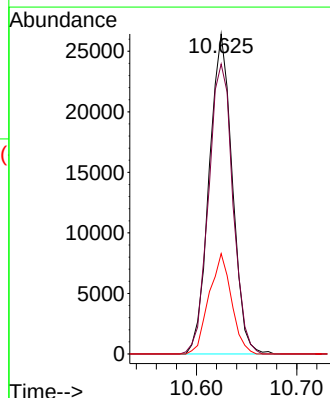
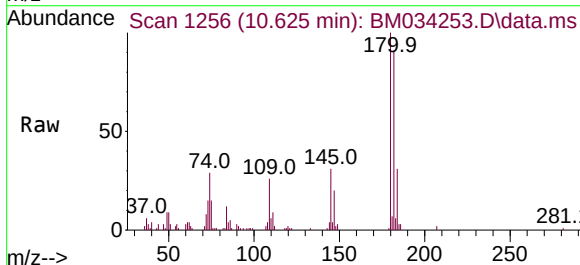
Tgt Ion:180 Resp: 42403

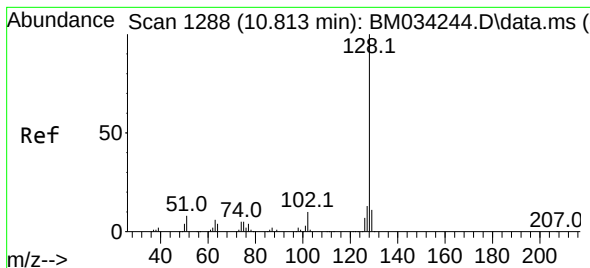
Ion Ratio Lower Upper

180 100

182 90.6 77.0 115.4

145 31.3 23.7 35.5





#31

Naphthalene

Concen: 3.444 ng

RT: 10.813 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

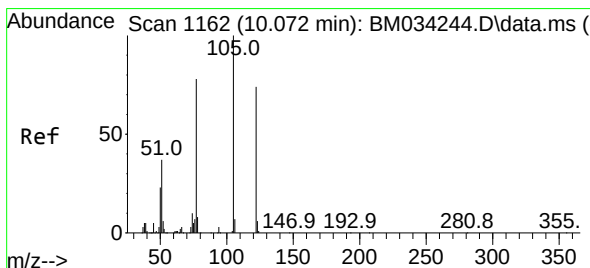
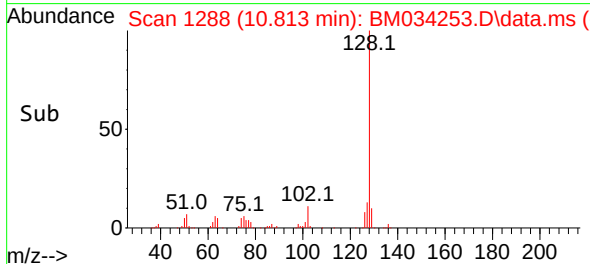
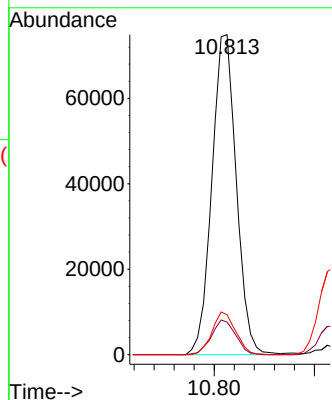
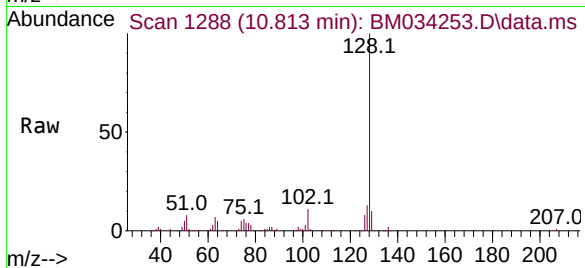
Tgt Ion:128 Resp: 126805

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

127 12.5 10.2 15.4



#32

Benzoic acid

Concen: 1.256 ng

RT: 9.983 min Scan# 1147

Delta R.T. -0.089 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

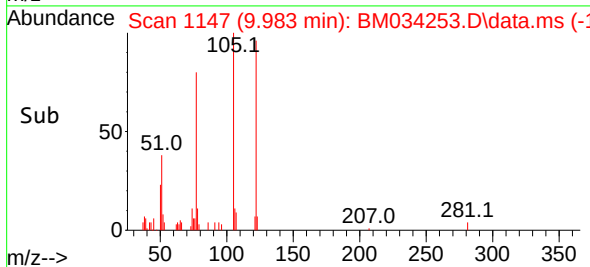
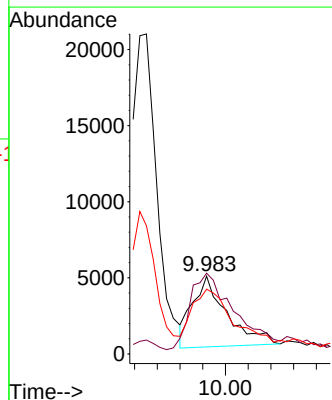
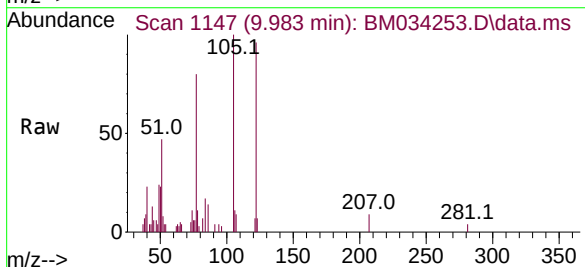
Tgt Ion:122 Resp: 9776

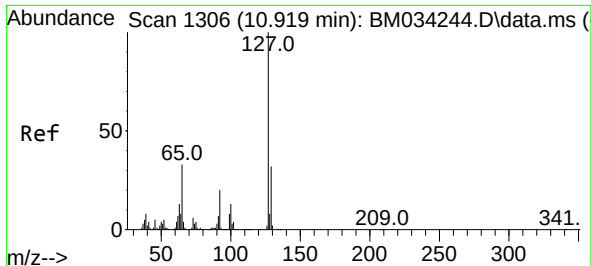
Ion Ratio Lower Upper

122 100

105 103.9 109.6 149.6#

77 83.3 83.1 123.1

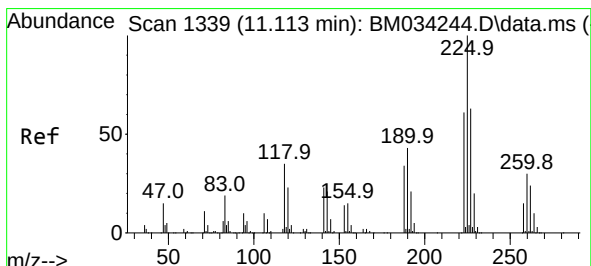
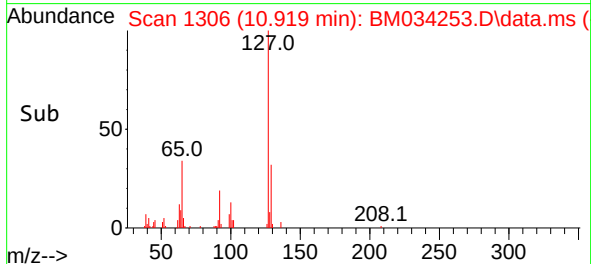
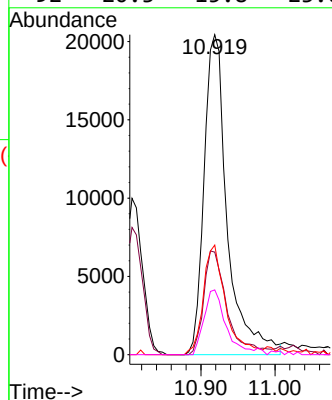
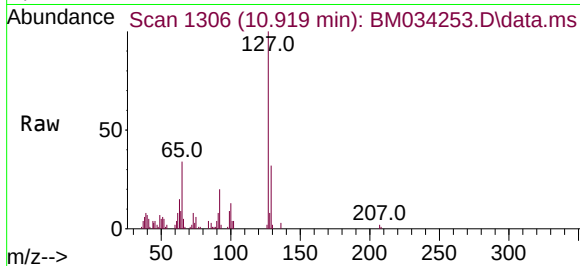




#33  
4-Chloroaniline  
Concen: 3.066 ng  
RT: 10.919 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

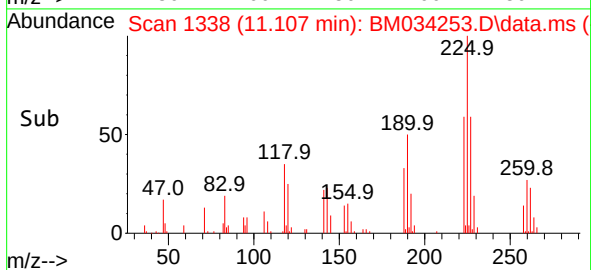
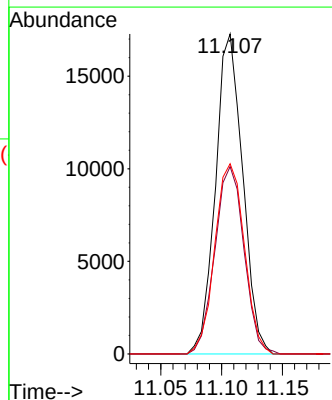
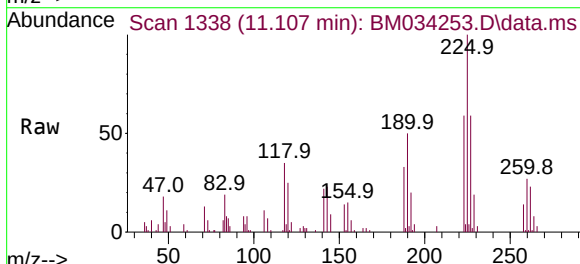
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

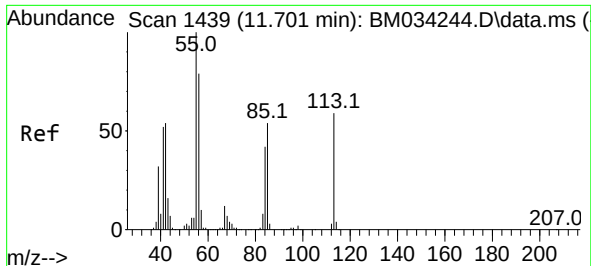
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 44533 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.1  | 25.4  | 38.2  |
| 65       | 34.3  | 26.2  | 39.2  |
| 92       | 20.3  | 15.8  | 23.6  |



#34  
Hexachlorobutadiene  
Concen: 3.409 ng  
RT: 11.107 min Scan# 1338  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 26841 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 58.5  | 49.0  | 73.4  |
| 227      | 59.5  | 50.2  | 75.2  |

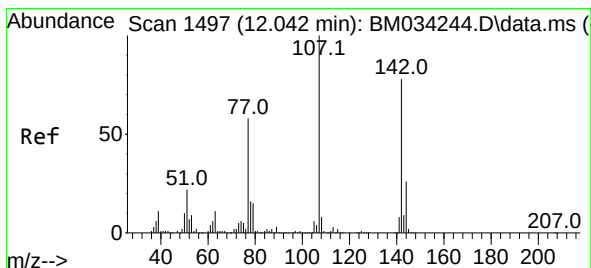
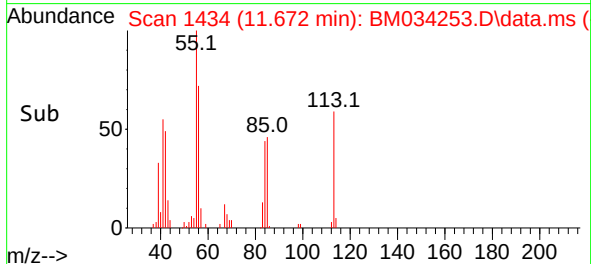
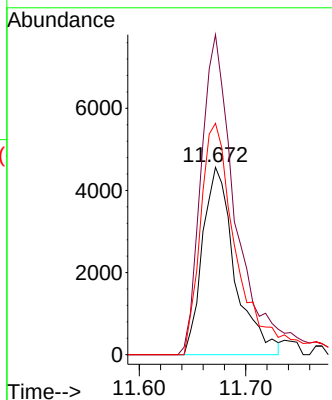
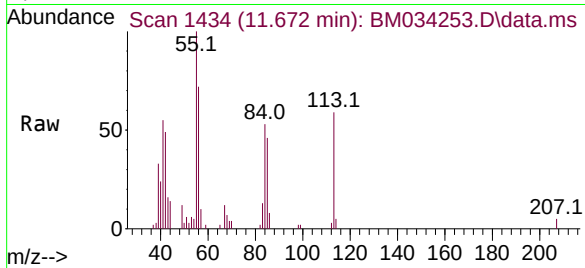




#35  
 Caprolactam  
 Concen: 2.534 ng  
 RT: 11.672 min Scan# 1434  
 Delta R.T. -0.029 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

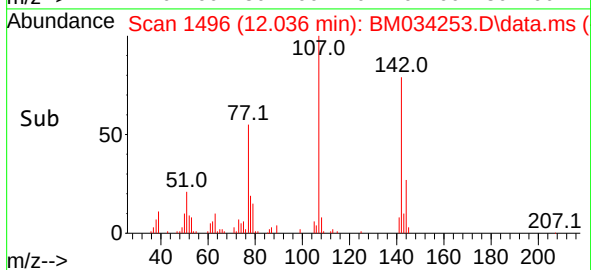
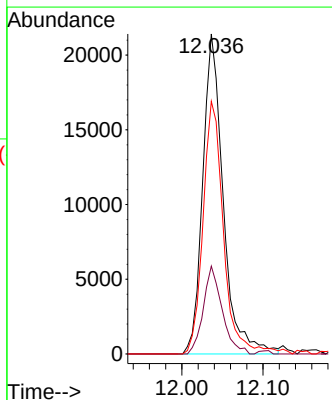
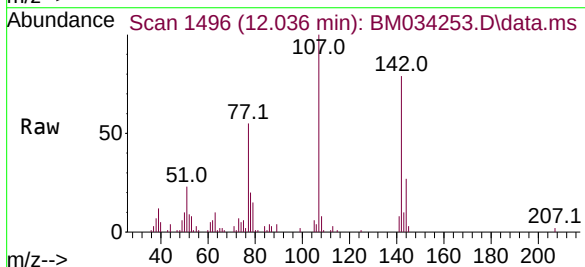
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

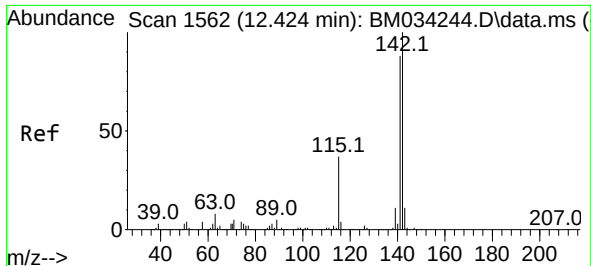
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 9632  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 170.8 | 148.9 | 188.9 |
| 56        | 123.5 | 113.3 | 153.3 |



#36  
 4-Chloro-3-methylphenol  
 Concen: 2.999 ng  
 RT: 12.036 min Scan# 1496  
 Delta R.T. -0.006 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 37580 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 27.4  | 20.8  | 31.2  |
| 142       | 79.0  | 62.7  | 94.1  |

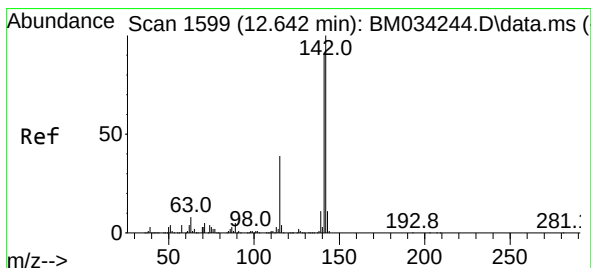
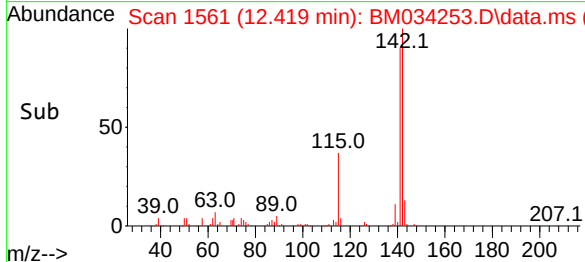
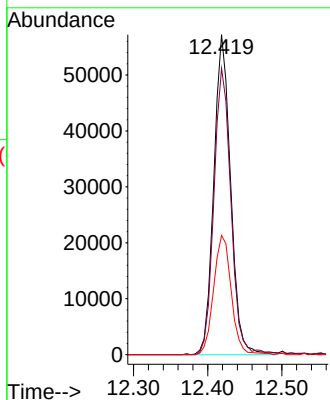
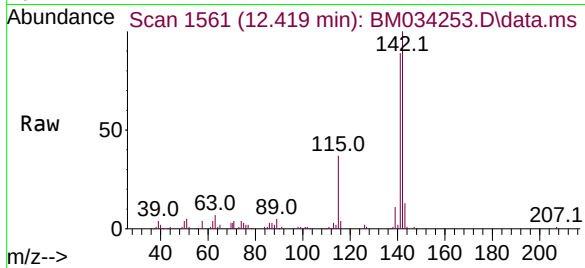




#37  
2-Methylnaphthalene  
Concen: 3.439 ng  
RT: 12.419 min Scan# 1561  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

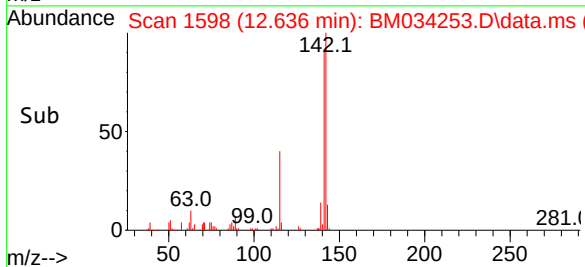
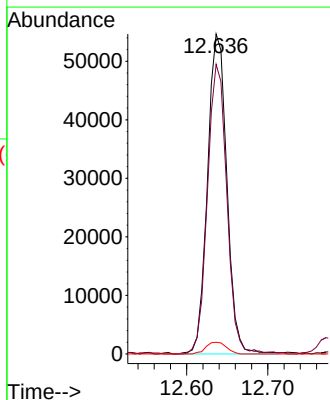
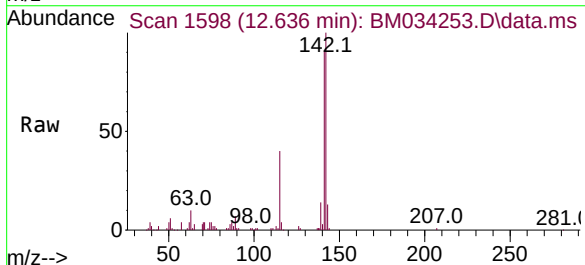
Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

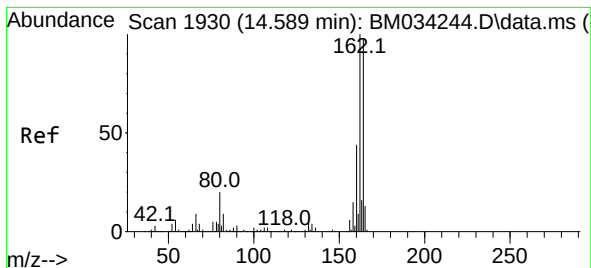
Tgt Ion:142 Resp: 90358  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.1 105.1  
115 37.2 29.9 44.9



#38  
1-Methylnaphthalene  
Concen: 3.520 ng  
RT: 12.636 min Scan# 1598  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:142 Resp: 90453  
Ion Ratio Lower Upper  
142 100  
141 90.5 73.0 109.6  
116 3.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.589 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

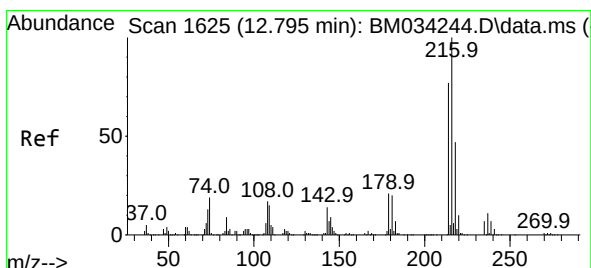
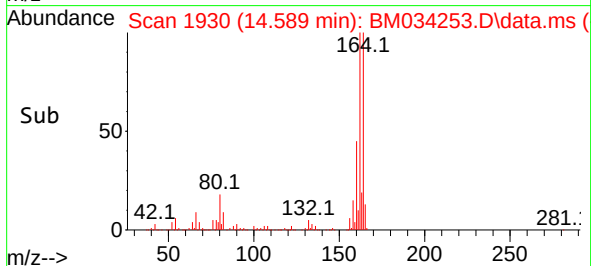
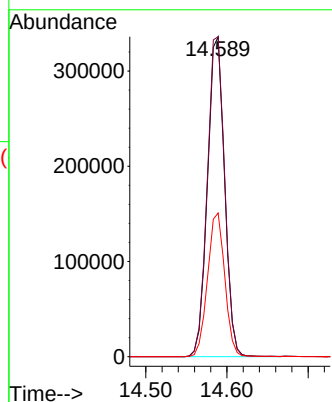
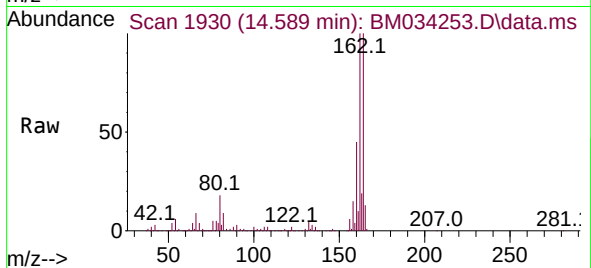
Tgt Ion:164 Resp: 489101

Ion Ratio Lower Upper

164 100

162 100.1 81.6 122.4

160 44.9 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.409 ng

RT: 12.789 min Scan# 1624

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Tgt Ion:216 Resp: 50314

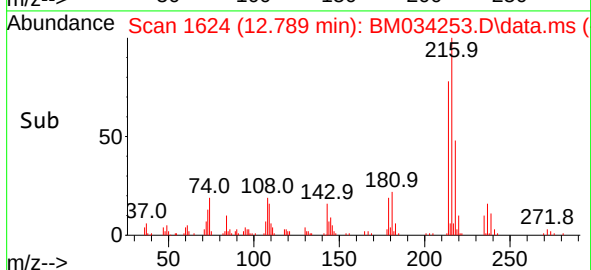
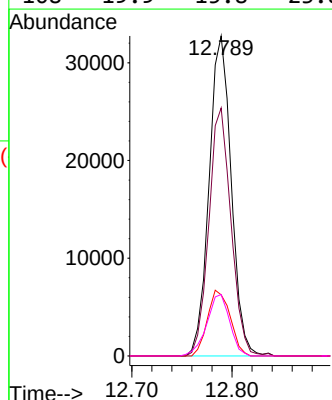
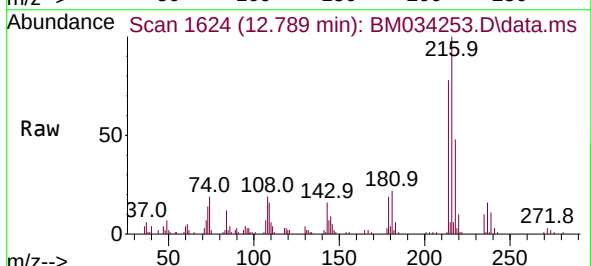
Ion Ratio Lower Upper

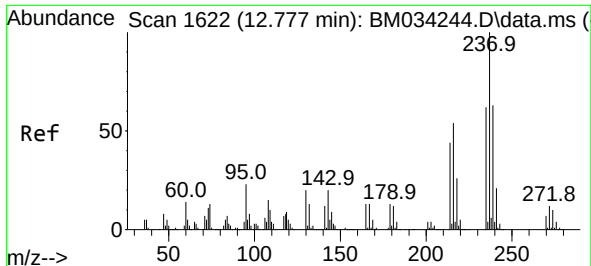
216 100

214 77.4 62.7 94.1

179 21.1 17.2 25.8

108 19.9 15.8 23.8

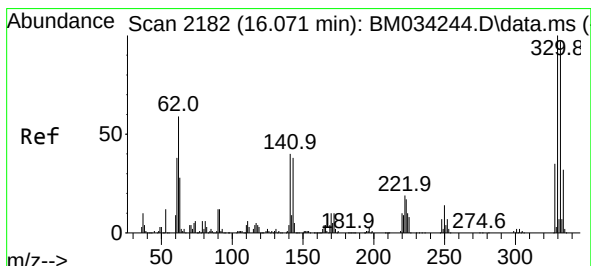
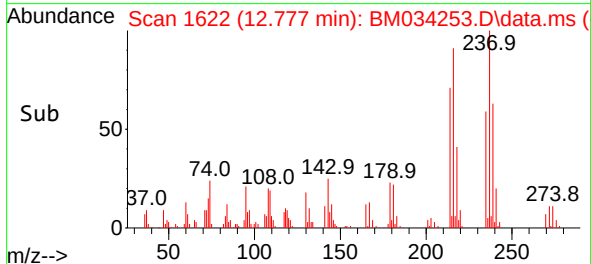
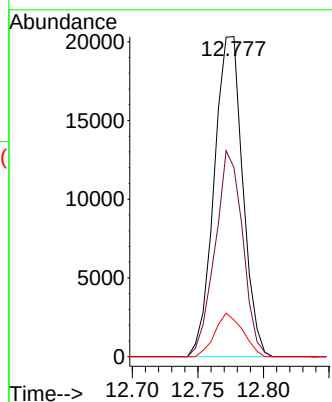
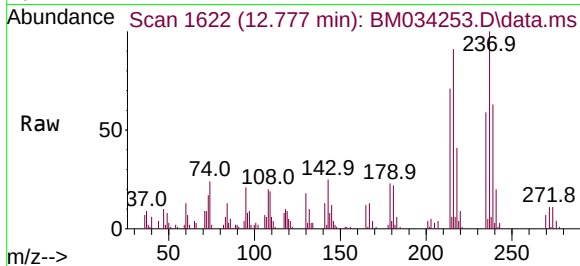




#41  
Hexachlorocyclopentadiene  
Concen: 3.603 ng  
RT: 12.777 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

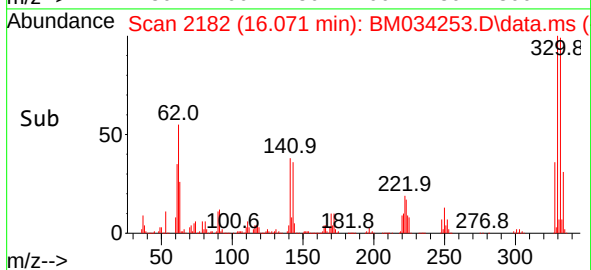
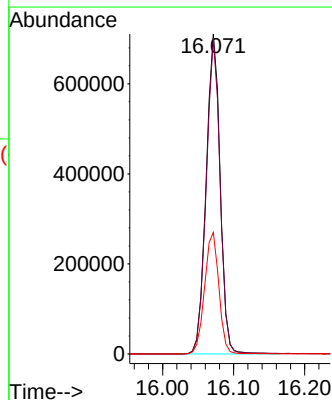
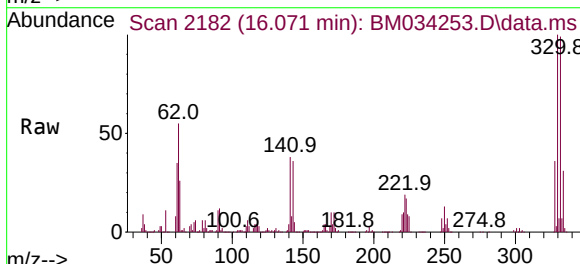
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:237 Resp: 30790  
Ion Ratio Lower Upper  
237 100  
235 59.1 42.1 82.1  
272 11.5 0.0 32.3

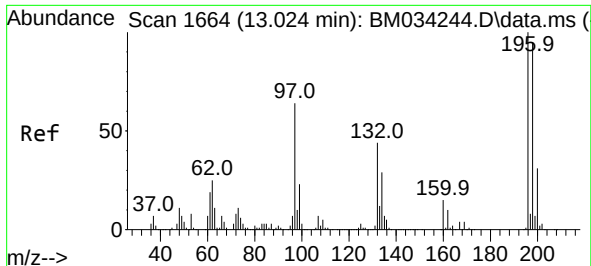


#42  
2,4,6-Tribromophenol  
Concen: 148.378 ng  
RT: 16.071 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:330 Resp: 978176  
Ion Ratio Lower Upper  
330 100  
332 97.3 78.2 117.4  
141 38.8 30.6 45.8



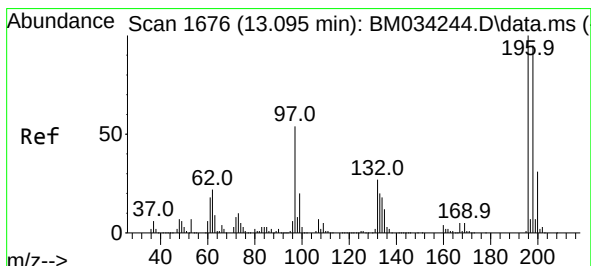
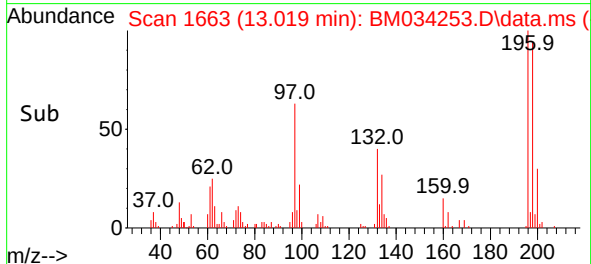
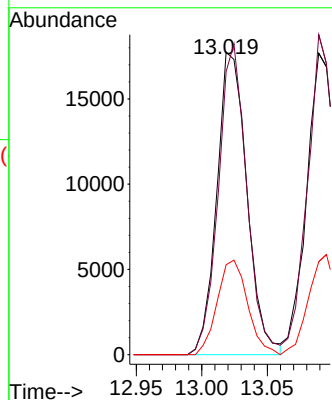
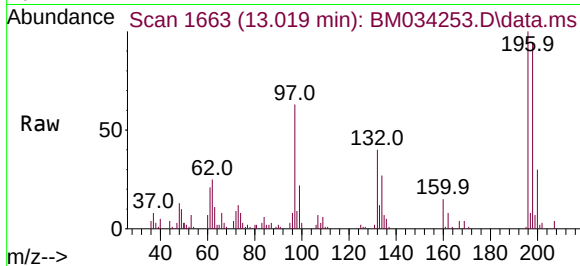




#43  
2,4,6-Trichlorophenol  
Concen: 2.787 ng  
RT: 13.019 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

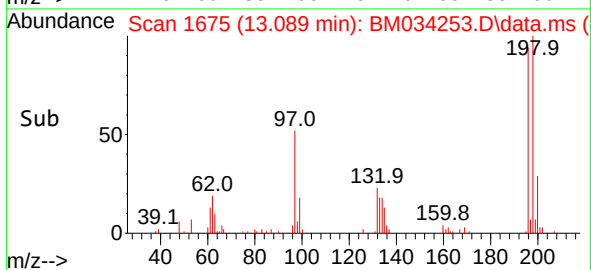
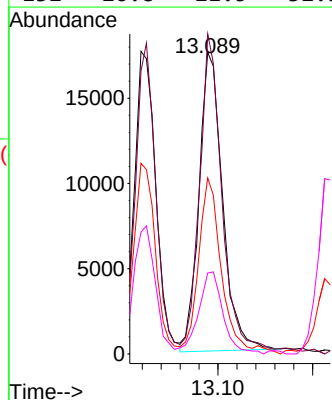
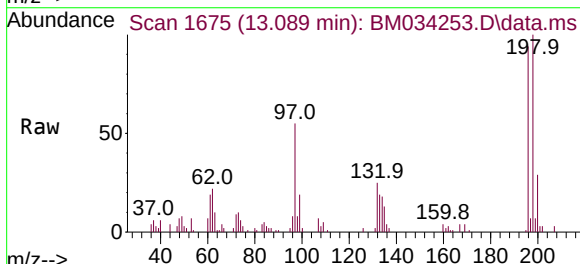
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

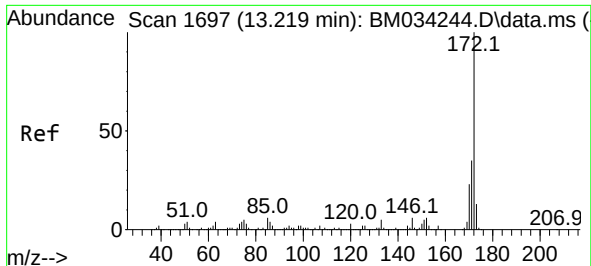
Tgt Ion:196 Resp: 28399  
Ion Ratio Lower Upper  
196 100  
198 93.6 76.1 114.1  
200 29.7 24.9 37.3



#44  
2,4,5-Trichlorophenol  
Concen: 2.764 ng  
RT: 13.089 min Scan# 1675  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:196 Resp: 30232  
Ion Ratio Lower Upper  
196 100  
198 106.2 75.9 113.9  
97 58.4 43.2 64.8  
132 26.8 21.5 32.3

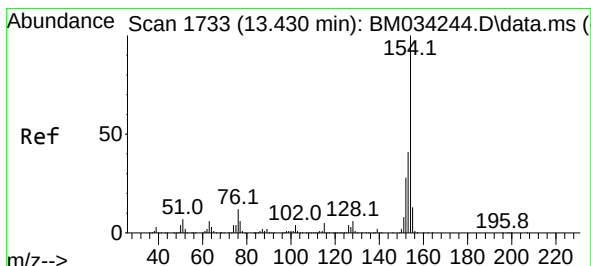
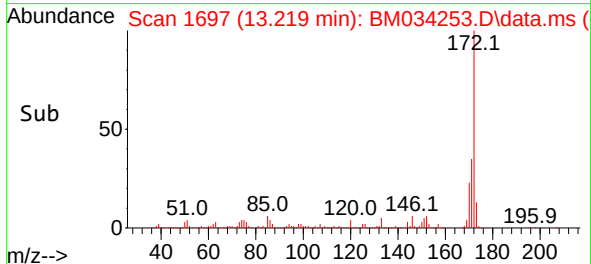
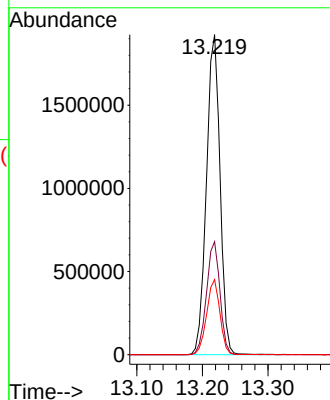
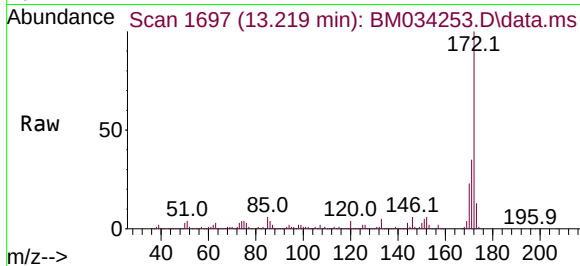




#45  
2-Fluorobiphenyl  
Concen: 77.654 ng  
RT: 13.219 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

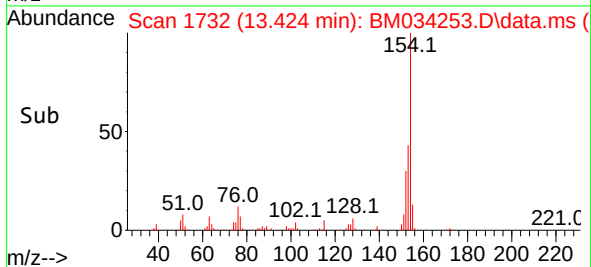
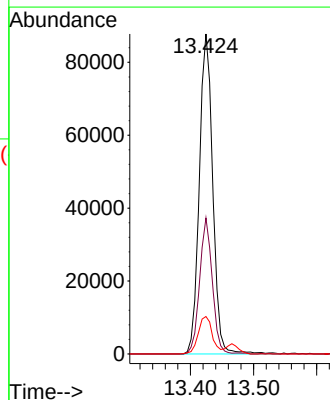
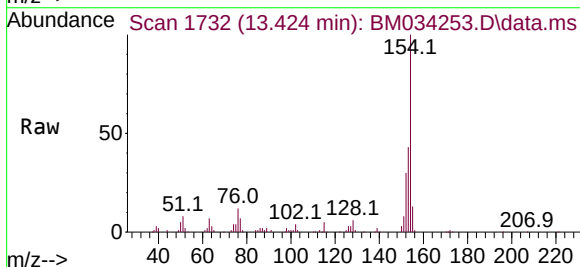
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

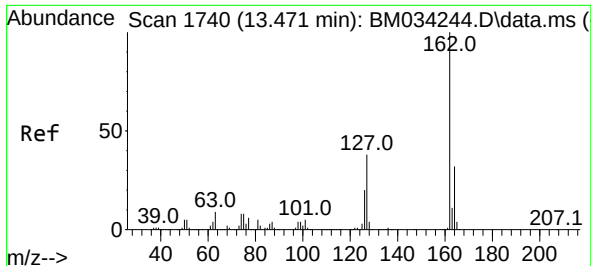
Tgt Ion:172 Resp: 2779443  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.0 42.0  
170 23.5 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 3.480 ng  
RT: 13.424 min Scan# 1732  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:154 Resp: 129792  
Ion Ratio Lower Upper  
154 100  
153 42.5 21.0 61.0  
76 11.7 0.0 32.1

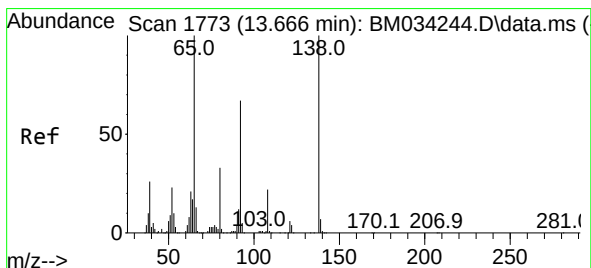
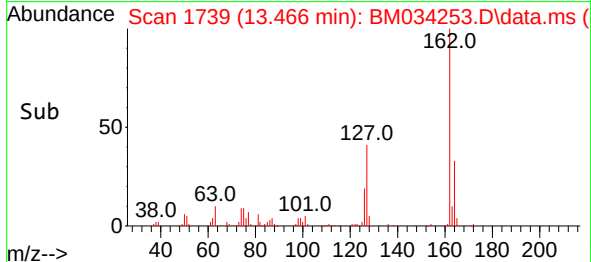
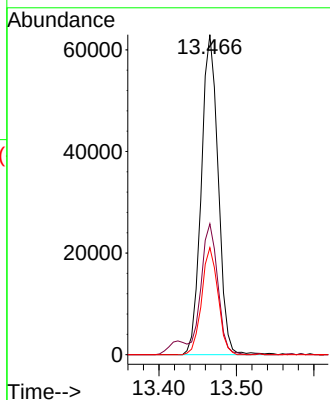
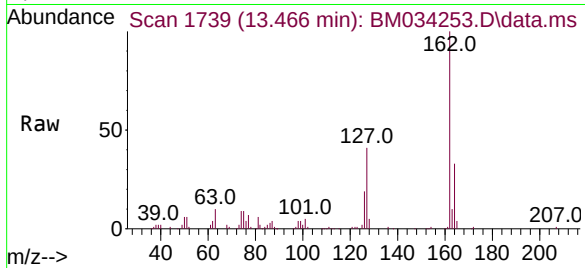




#47  
2-Chloronaphthalene  
Concen: 3.331 ng  
RT: 13.466 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

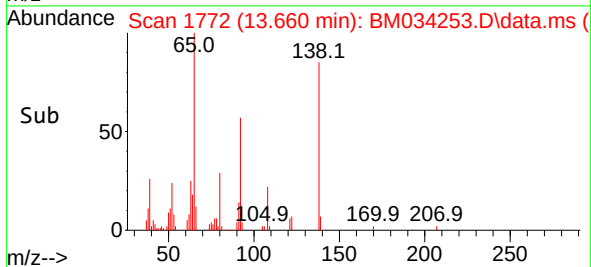
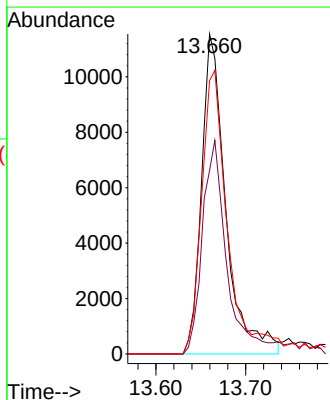
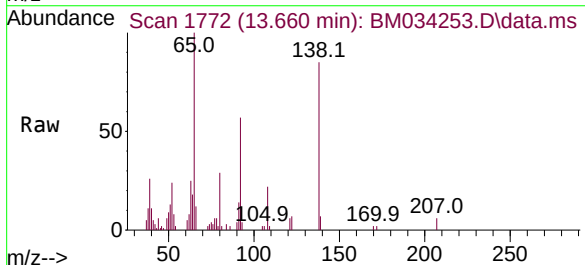
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

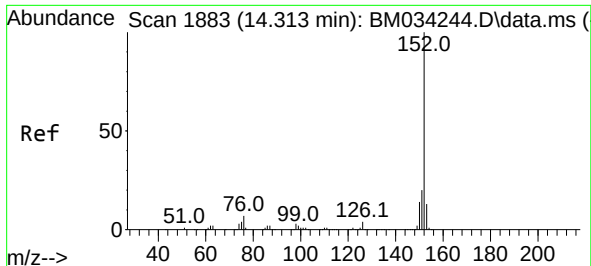
Tgt Ion:162 Resp: 95339  
Ion Ratio Lower Upper  
162 100  
127 40.9 30.4 45.6  
164 33.5 25.8 38.8



#48  
2-Nitroaniline  
Concen: 2.479 ng  
RT: 13.660 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion: 65 Resp: 21691  
Ion Ratio Lower Upper  
65 100  
92 57.3 53.8 80.8  
138 85.4 79.9 119.9

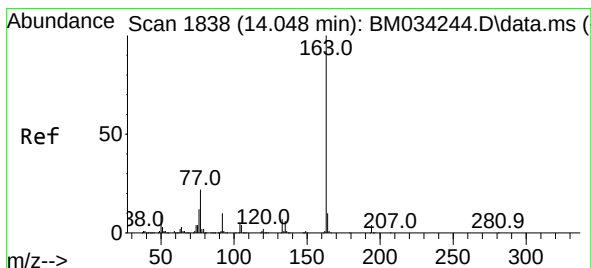
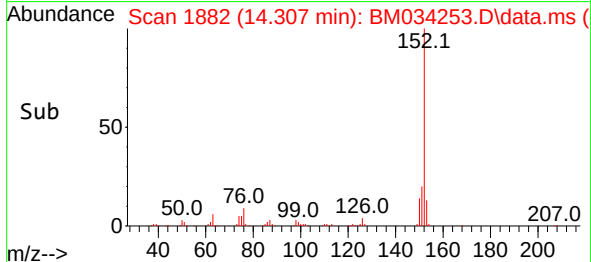
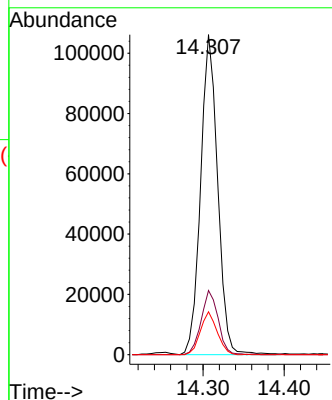
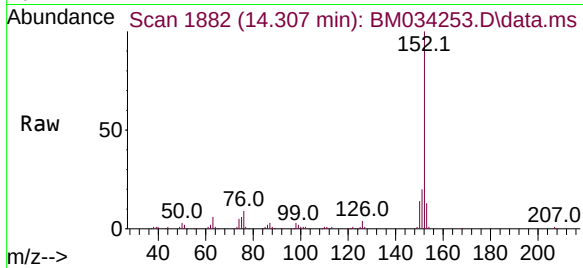




#49  
Acenaphthylene  
Concen: 3.471 ng  
RT: 14.307 min Scan# 1882  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

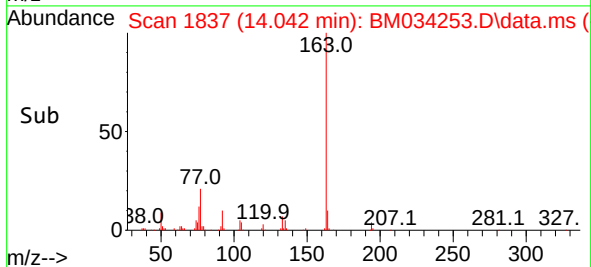
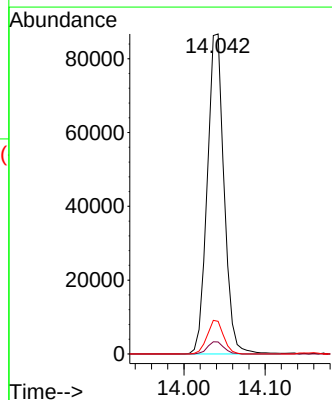
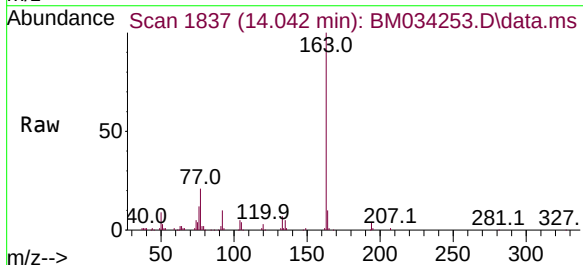
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

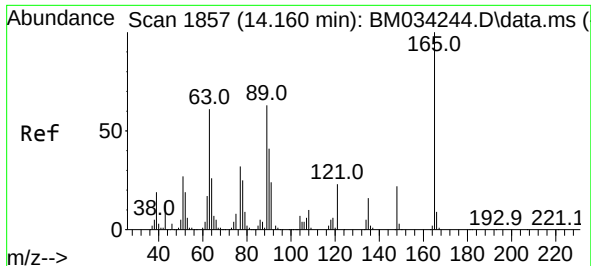
Tgt Ion:152 Resp: 154875  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.4 10.6 16.0



#50  
Dimethylphthalate  
Concen: 3.346 ng  
RT: 14.042 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:163 Resp: 124550  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.2 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 3.063 ng

RT: 14.154 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

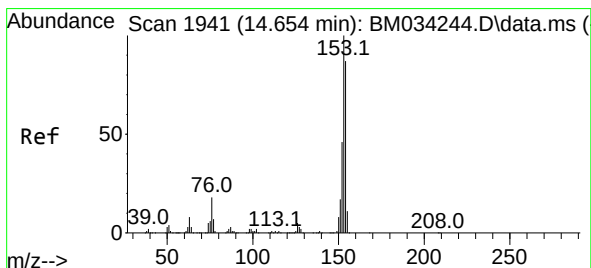
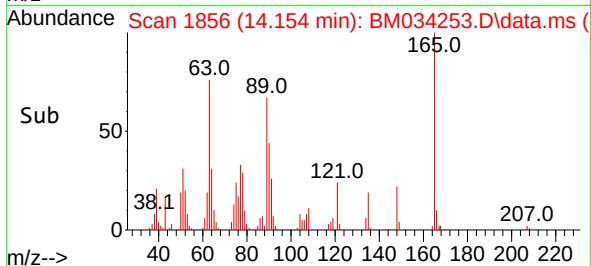
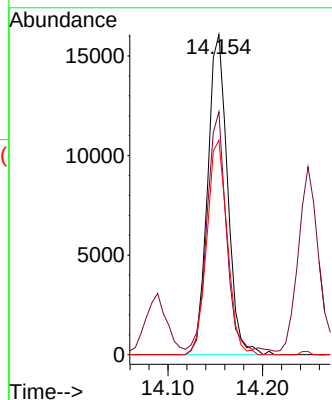
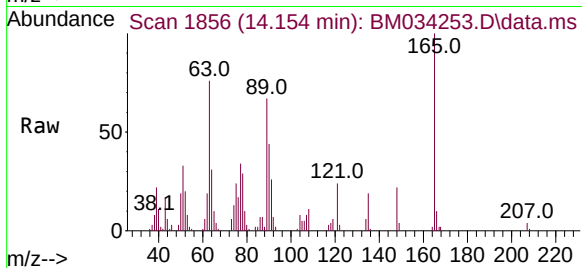
Tgt Ion:165 Resp: 23390

Ion Ratio Lower Upper

165 100

63 75.9 51.9 77.9

89 67.0 50.6 76.0



#52

Acenaphthene

Concen: 3.188 ng

RT: 14.648 min Scan# 1940

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

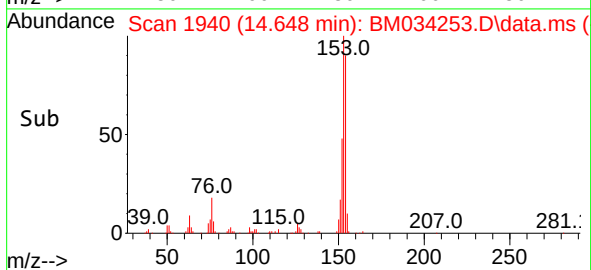
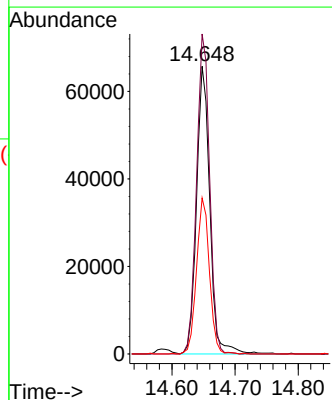
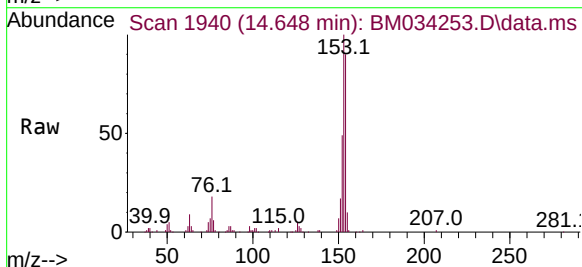
Tgt Ion:154 Resp: 95802

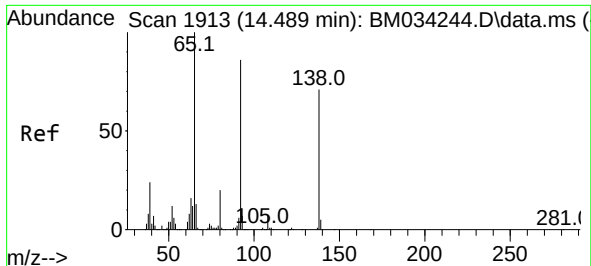
Ion Ratio Lower Upper

154 100

153 111.3 91.8 137.8

152 54.3 42.6 64.0

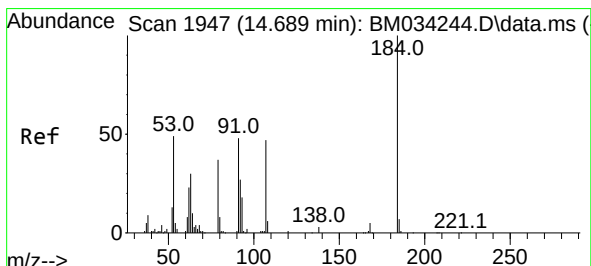
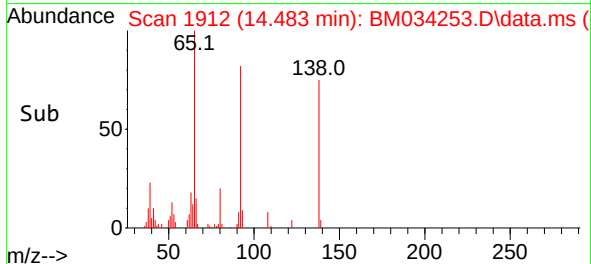
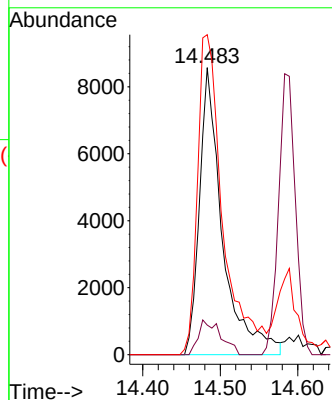
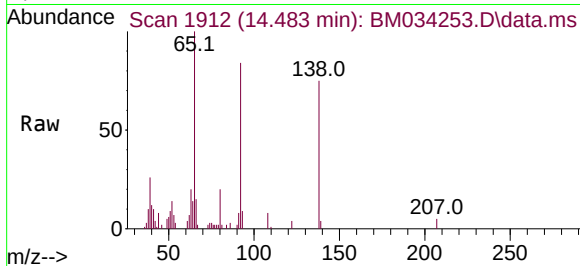




#53  
3-Nitroaniline  
Concen: 2.305 ng  
RT: 14.483 min Scan# 1912  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

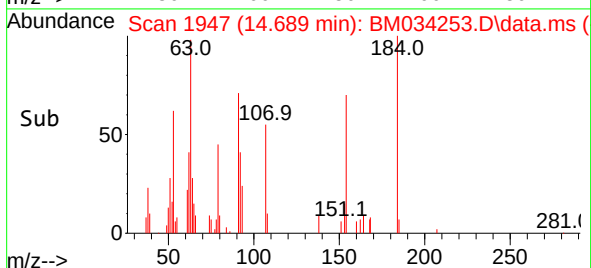
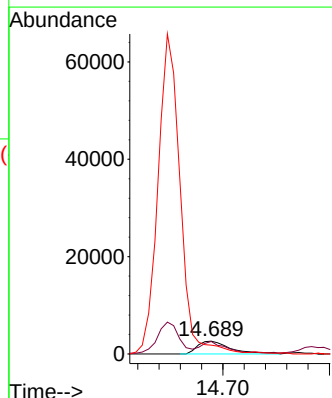
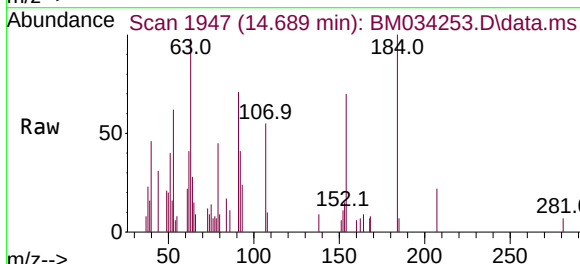
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

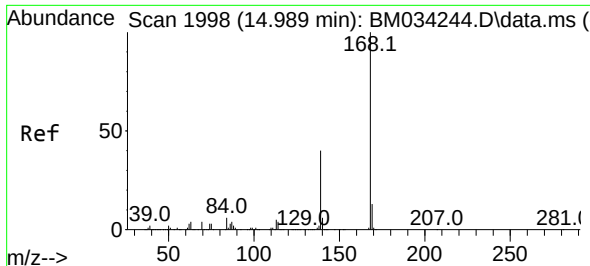
Tgt Ion:138 Resp: 17654  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.3 12.5  
92 111.5 97.6 146.4



#54  
2,4-Dinitrophenol  
Concen: 1.312 ng  
RT: 14.689 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:184 Resp: 5612  
Ion Ratio Lower Upper  
184 100  
63 98.0 58.3 87.5#  
154 69.6 52.6 78.8

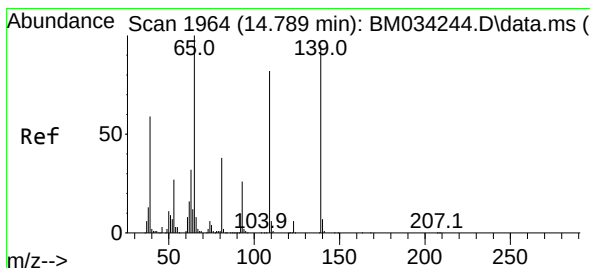
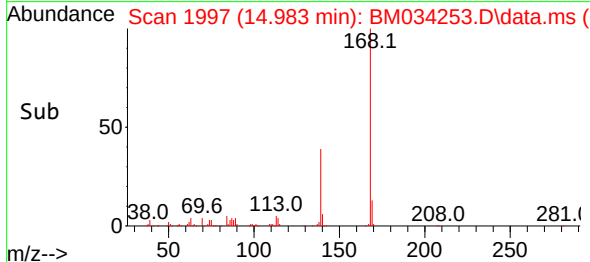
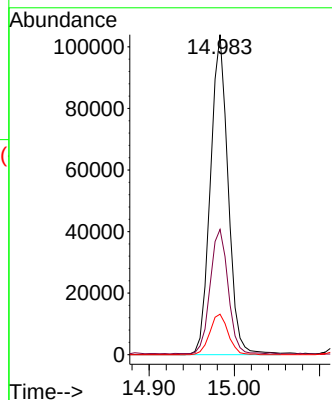
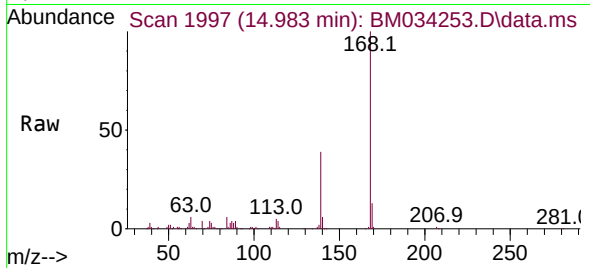




#55  
Dibenzenofuran  
Concen: 3.348 ng  
RT: 14.983 min Scan# 1998  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

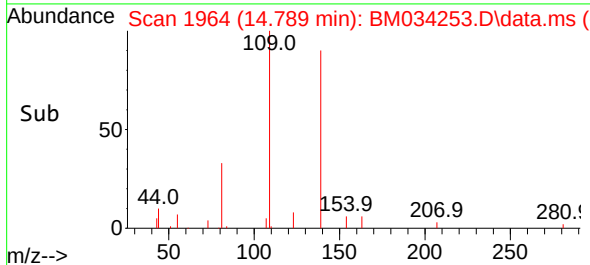
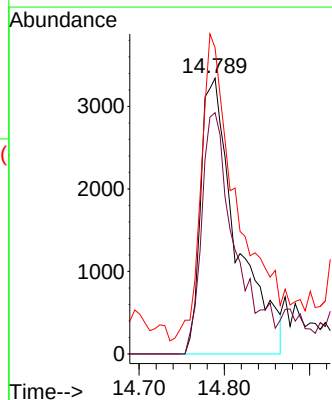
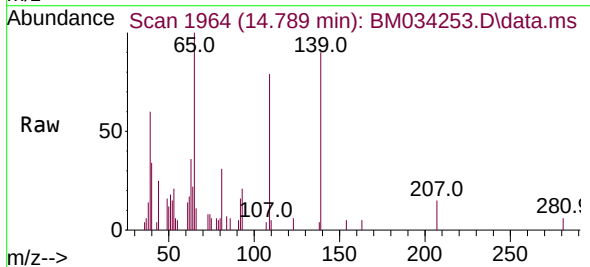
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

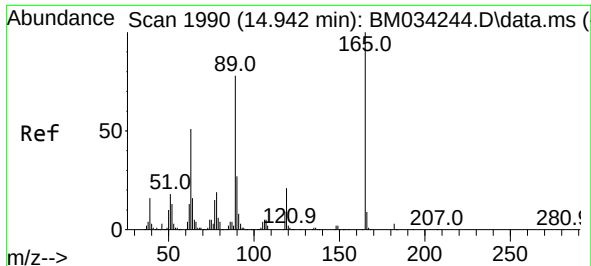
Tgt Ion:168 Resp: 149963  
Ion Ratio Lower Upper  
168 100  
139 39.2 32.4 48.6  
169 12.6 10.8 16.2



#56  
4-Nitrophenol  
Concen: 1.568 ng  
RT: 14.789 min Scan# 1964  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:139 Resp: 9740  
Ion Ratio Lower Upper  
139 100  
109 87.5 66.3 106.3  
65 111.1 85.5 125.5

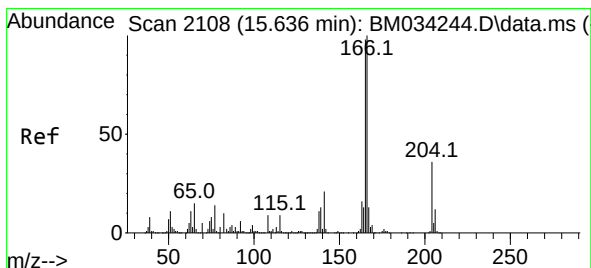
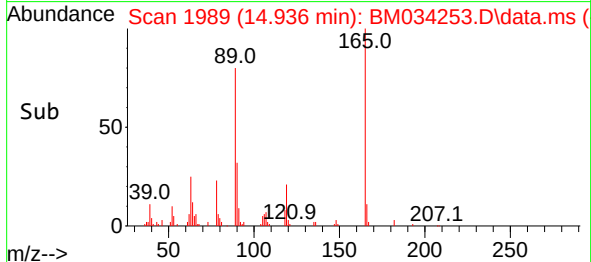
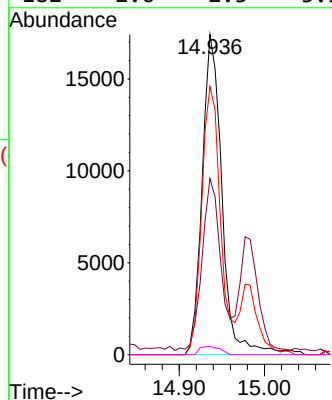
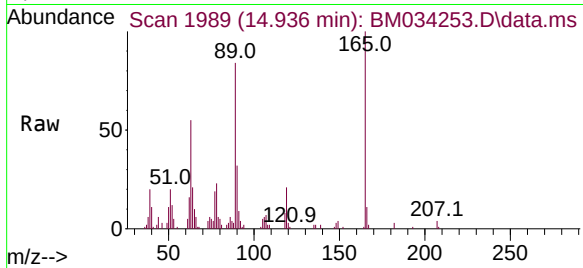




#57  
2,4-Dinitrotoluene  
Concen: 2.705 ng  
RT: 14.936 min Scan# 1990  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

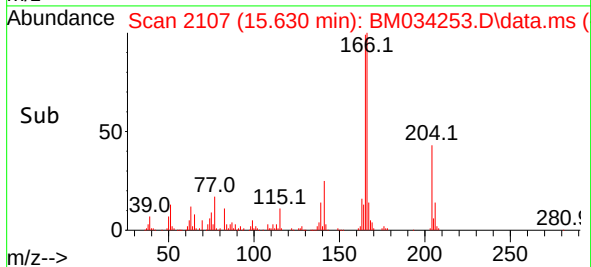
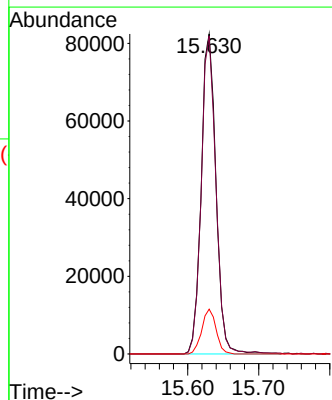
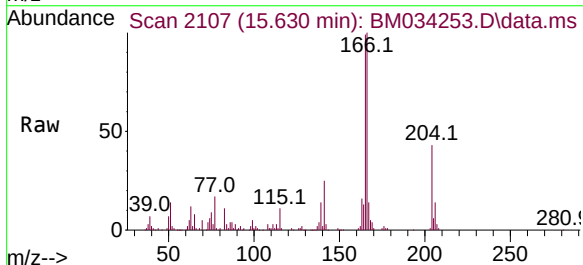
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:165 Resp: 27916  
Ion Ratio Lower Upper  
165 100  
63 55.1 40.6 61.0  
89 83.7 62.7 94.1  
182 2.6 2.3 3.5

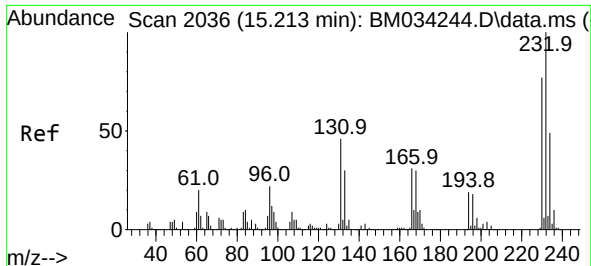


#58  
Fluorene  
Concen: 3.283 ng  
RT: 15.630 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:166 Resp: 119378  
Ion Ratio Lower Upper  
166 100  
165 99.4 78.0 117.0  
167 14.0 10.5 15.7







#59

2,3,4,6-Tetrachlorophenol

Concen: 2.914 ng

RT: 15.207 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BM034253.D

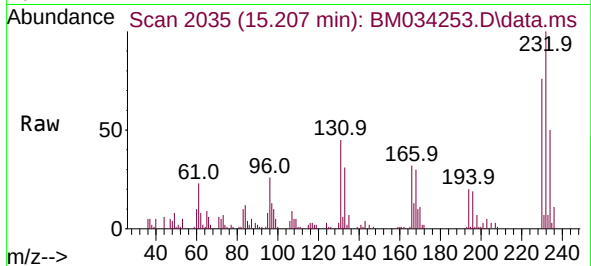
Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:232 Resp: 28746

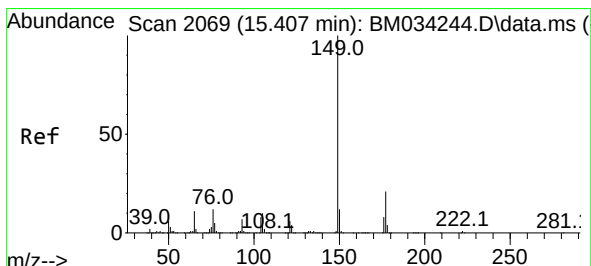
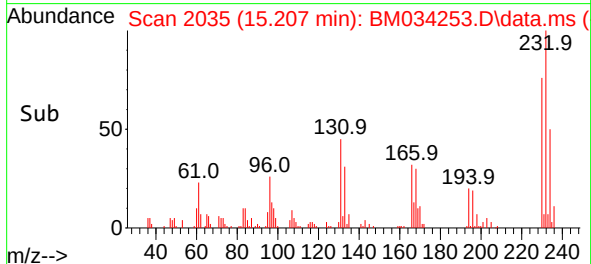
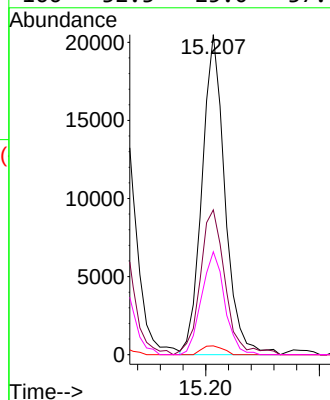
Ion Ratio Lower Upper

232 100

131 49.1 38.0 57.0

130 2.6 2.2 3.2

166 32.3 25.0 37.4



#60

Diethylphthalate

Concen: 3.312 ng

RT: 15.401 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

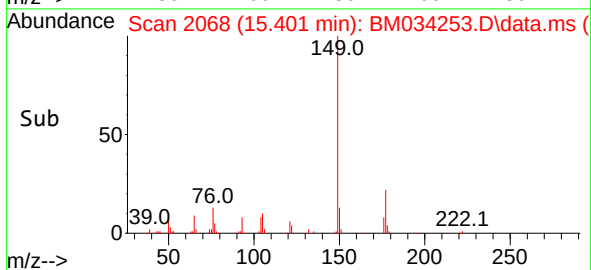
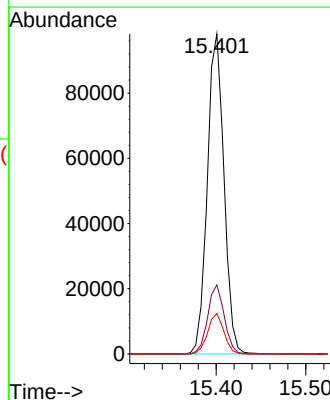
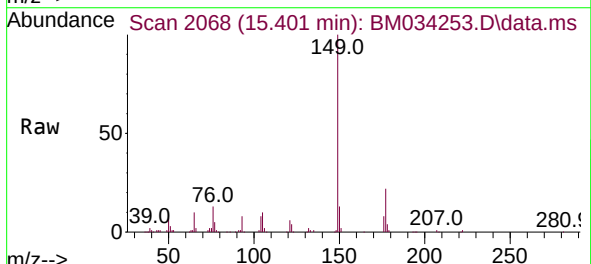
Tgt Ion:149 Resp: 126475

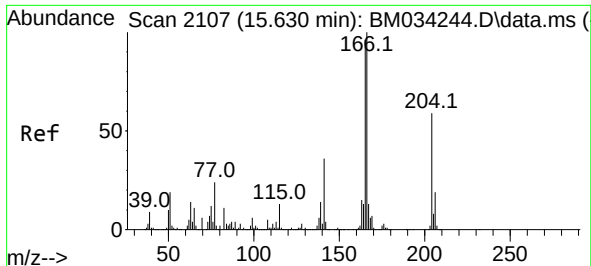
Ion Ratio Lower Upper

149 100

177 21.6 17.1 25.7

150 12.7 9.9 14.9





#61

4-Chlorophenyl-phenylether

Concen: 3.390 ng

RT: 15.624 min Scan# 2106

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

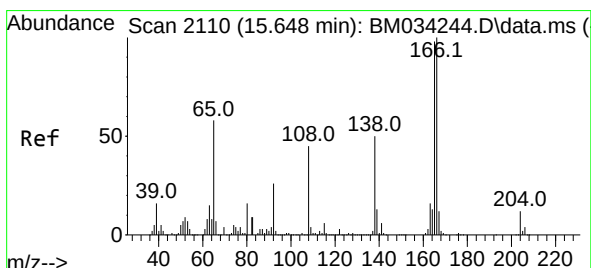
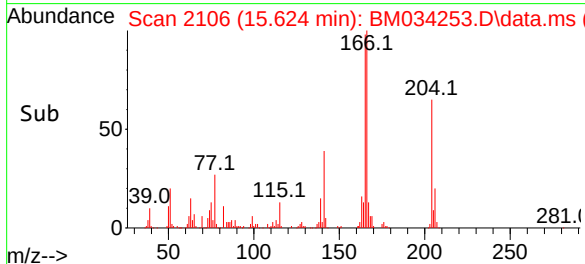
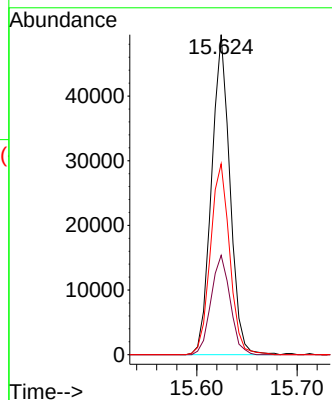
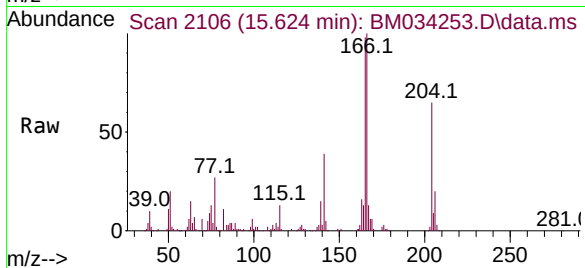
Tgt Ion:204 Resp: 62926

Ion Ratio Lower Upper

204 100

206 31.0 26.4 39.6

141 59.7 49.4 74.2



#62

4-Nitroaniline

Concen: 1.878 ng

RT: 15.642 min Scan# 2109

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

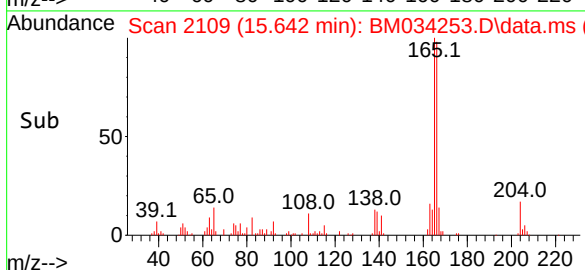
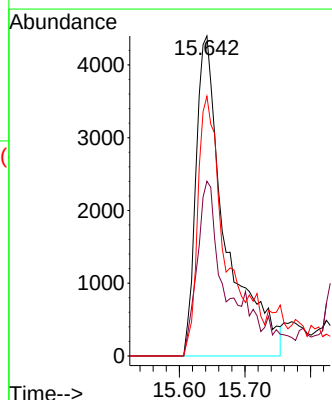
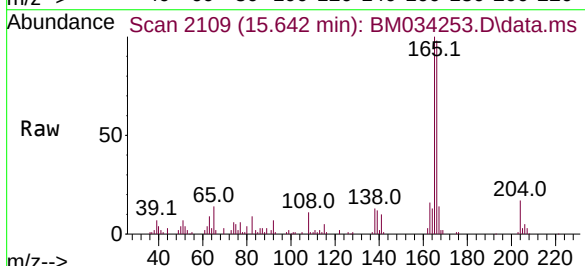
Tgt Ion:138 Resp: 13842

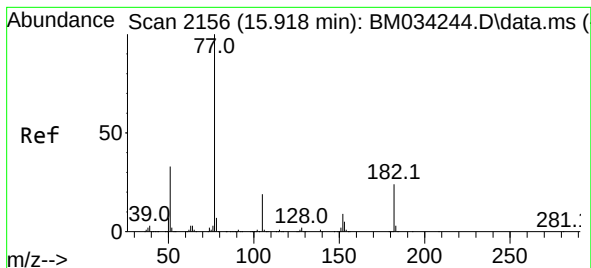
Ion Ratio Lower Upper

138 100

92 54.6 32.6 72.6

108 81.2 69.8 109.8





#63

Azobenzene

Concen: 3.159 ng

RT: 15.918 min Scan# 2156

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 77 Resp: 116333

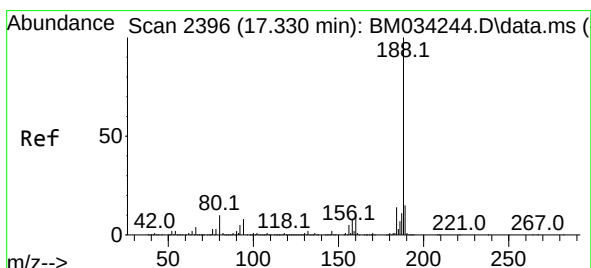
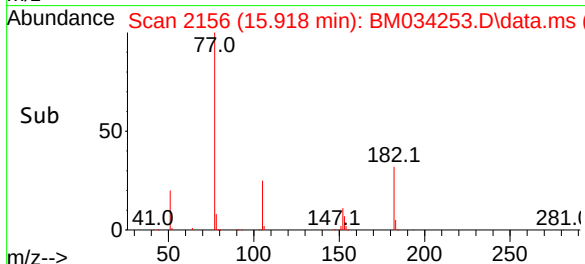
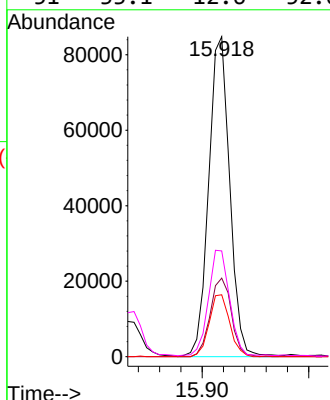
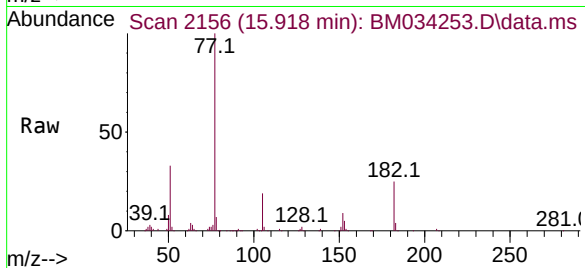
Ion Ratio Lower Upper

77 100

182 24.5 4.4 44.4

105 19.3 0.0 38.7

51 33.1 12.6 52.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2395

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

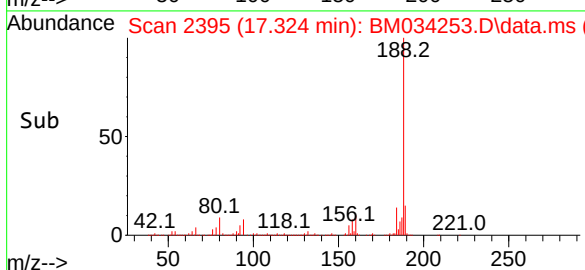
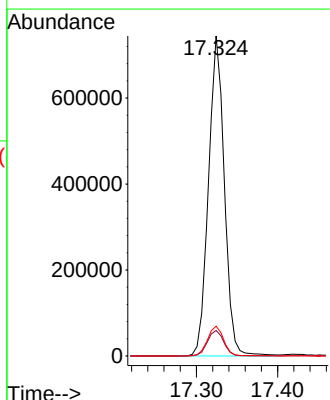
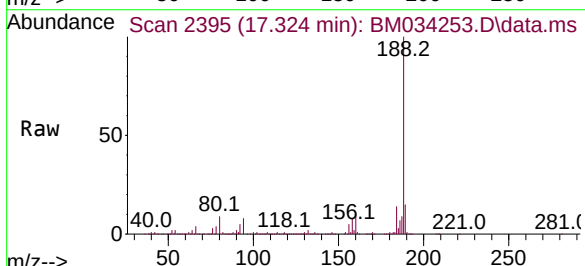
Tgt Ion: 188 Resp: 1010587

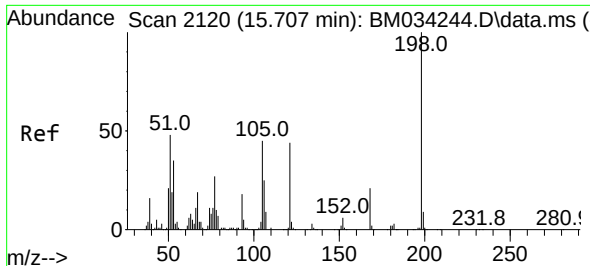
Ion Ratio Lower Upper

188 100

94 8.0 6.6 9.8

80 9.3 7.8 11.8

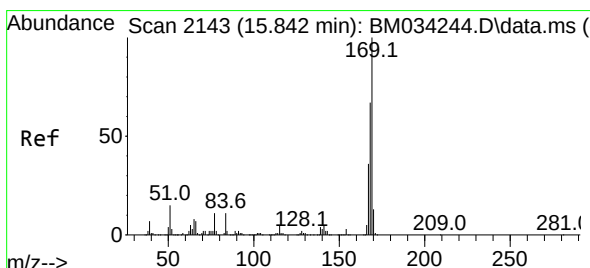
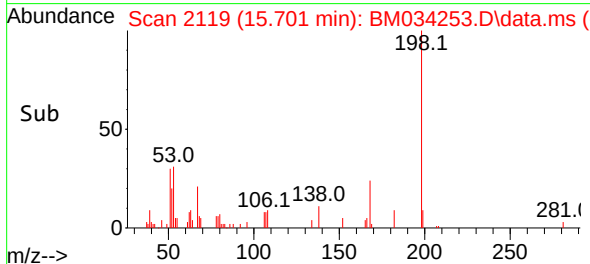
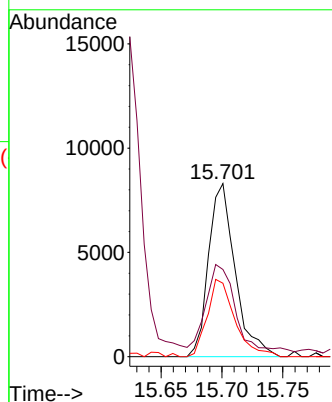
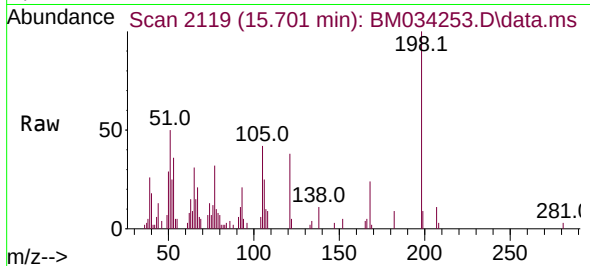




#65  
4,6-Dinitro-2-methylphenol  
Concen: 1.918 ng  
RT: 15.701 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

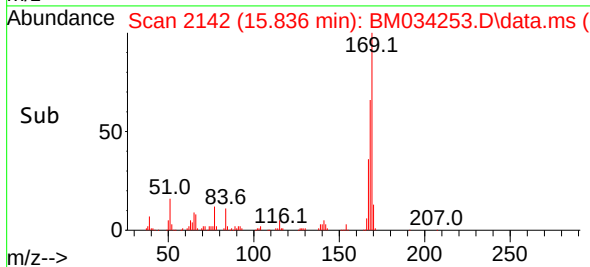
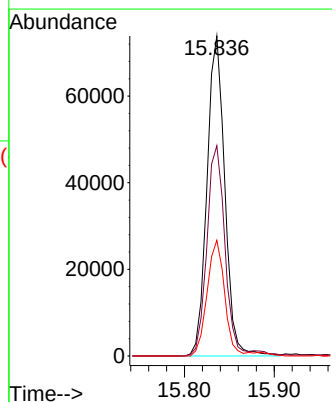
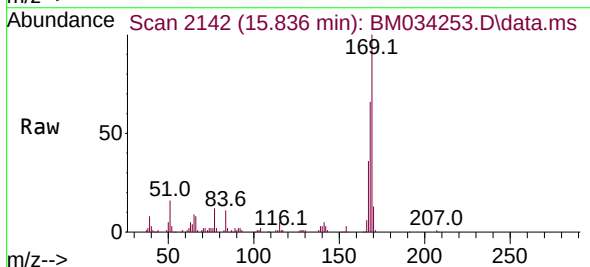
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

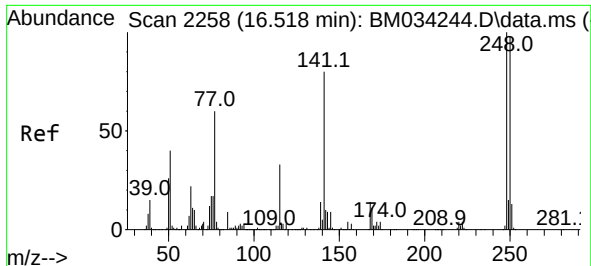
Tgt Ion:198 Resp: 12606  
Ion Ratio Lower Upper  
198 100  
51 50.4 29.0 69.0  
105 42.5 25.3 65.3



#66  
n-Nitrosodiphenylamine  
Concen: 3.171 ng  
RT: 15.836 min Scan# 2142  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:169 Resp: 101797  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.9 80.9  
167 36.2 29.0 43.4

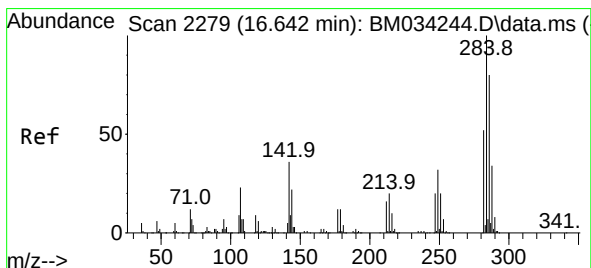
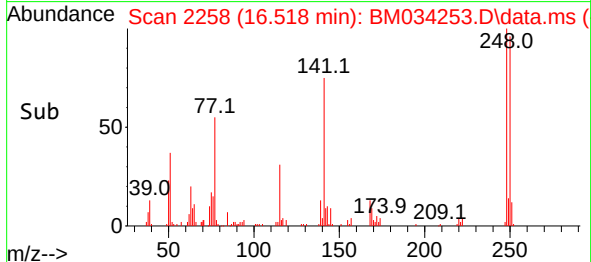
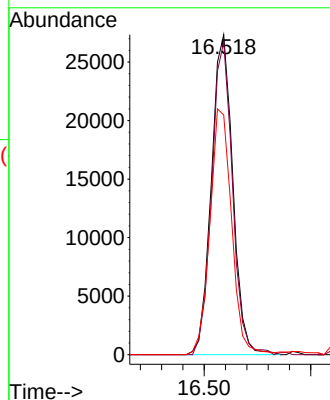
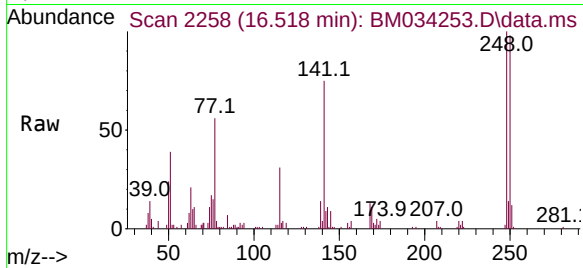




#67  
4-Bromophenyl-phenylether  
Concen: 3.284 ng  
RT: 16.518 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

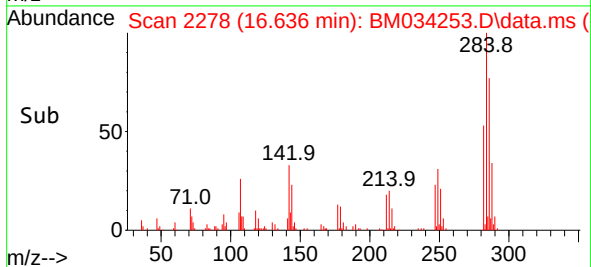
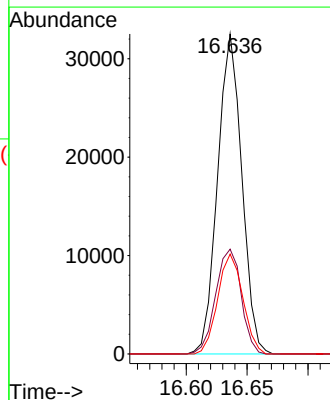
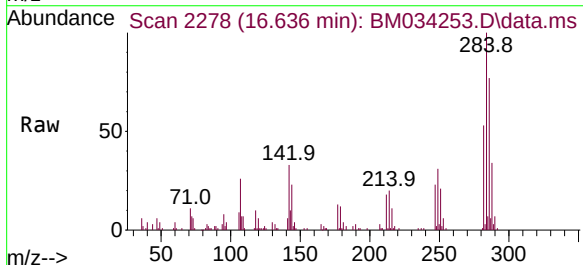
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

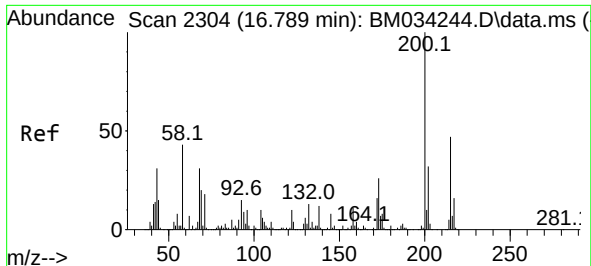
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 38147 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 97.8  | 78.0  | 117.0 |
| 141       | 74.9  | 63.8  | 95.6  |



#68  
Hexachlorobenzene  
Concen: 3.470 ng  
RT: 16.636 min Scan# 2278  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 44965 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 32.8  | 28.9  | 43.3  |
| 249       | 31.2  | 25.4  | 38.0  |

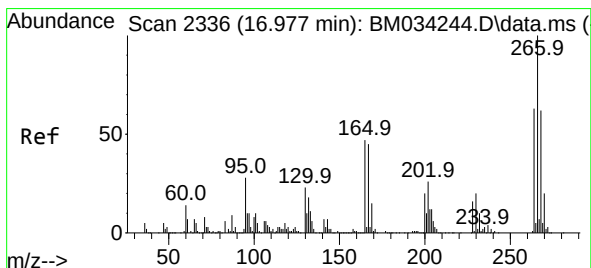
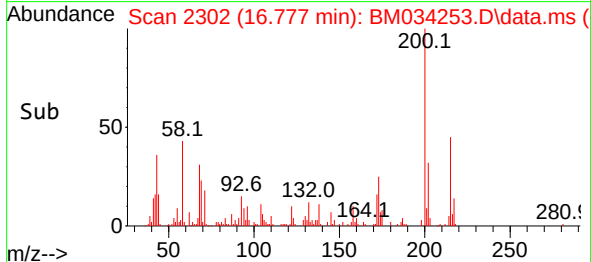
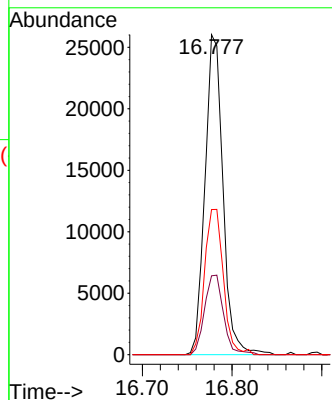
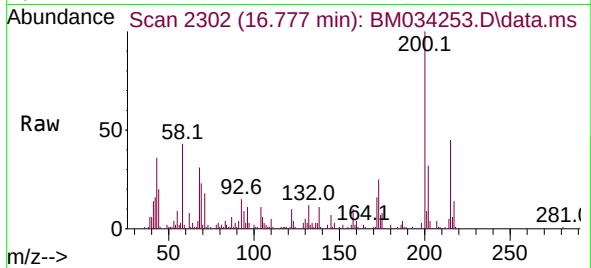




#69  
 Atrazine  
 Concen: 3.423 ng  
 RT: 16.777 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

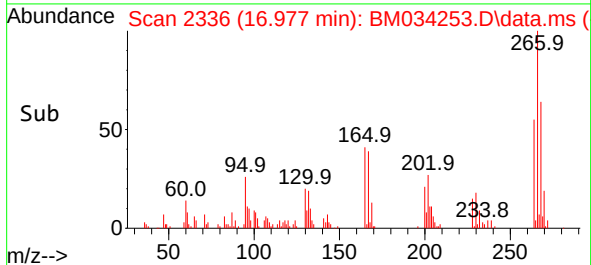
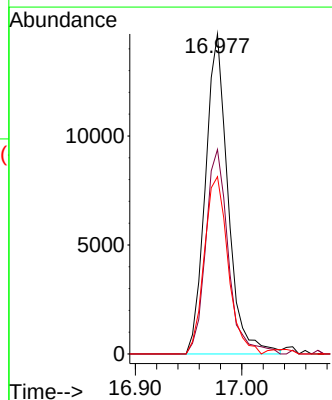
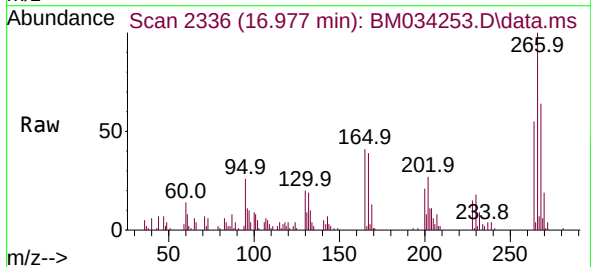
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

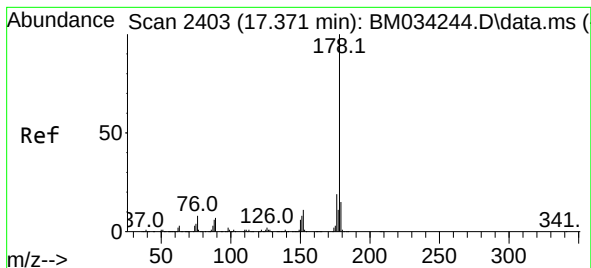
Tgt Ion:200 Resp: 36226  
 Ion Ratio Lower Upper  
 200 100  
 173 24.6 6.1 46.1  
 215 45.4 27.4 67.4



#70  
 Pentachlorophenol  
 Concen: 2.612 ng  
 RT: 16.977 min Scan# 2336  
 Delta R.T. 0.000 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

Tgt Ion:266 Resp: 21647  
 Ion Ratio Lower Upper  
 266 100  
 268 63.9 49.8 74.8  
 264 55.4 50.3 75.5





#71

Phenanthrene

Concen: 3.338 ng

RT: 17.365 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

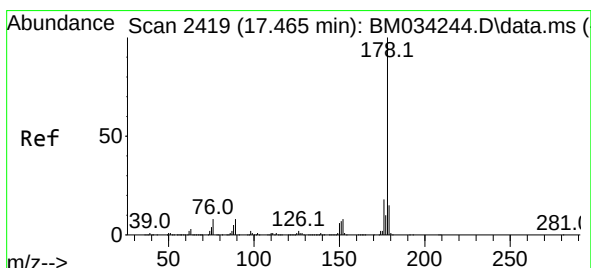
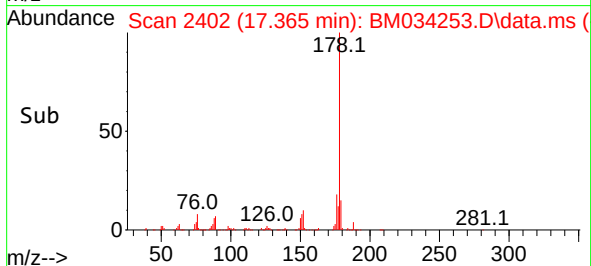
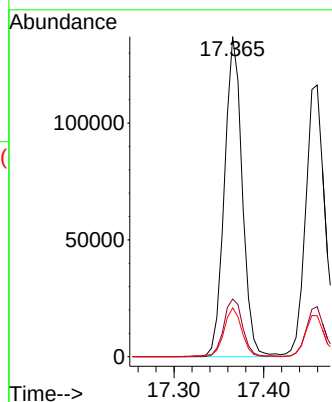
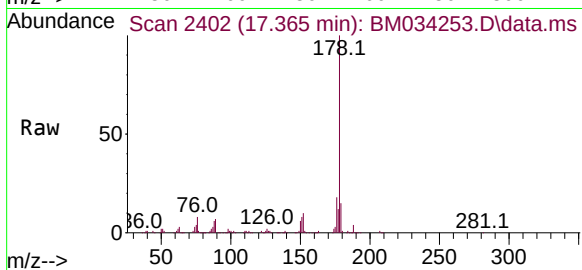
Tgt Ion:178 Resp: 188908

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.2 12.2 18.4



#72

Anthracene

Concen: 3.304 ng

RT: 17.459 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

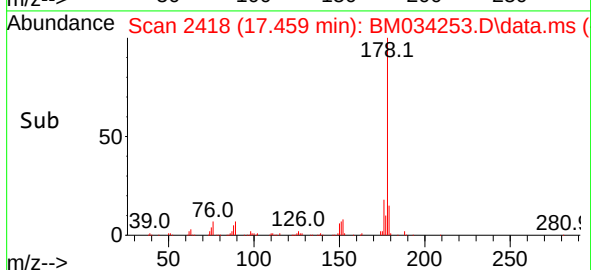
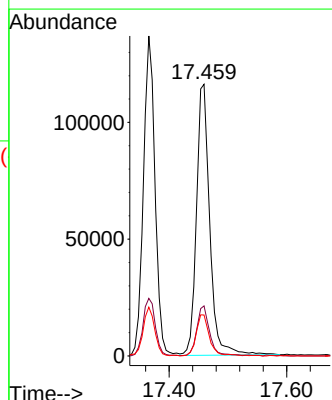
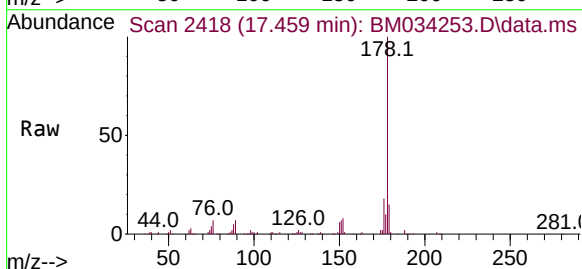
Tgt Ion:178 Resp: 182011

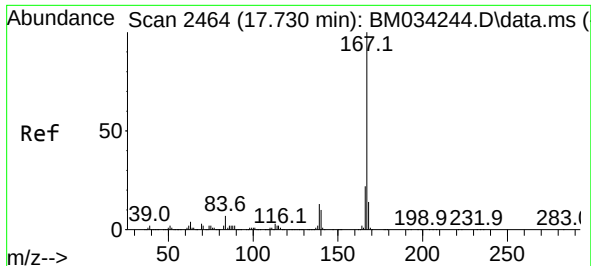
Ion Ratio Lower Upper

178 100

176 18.4 14.6 22.0

179 15.1 12.2 18.2

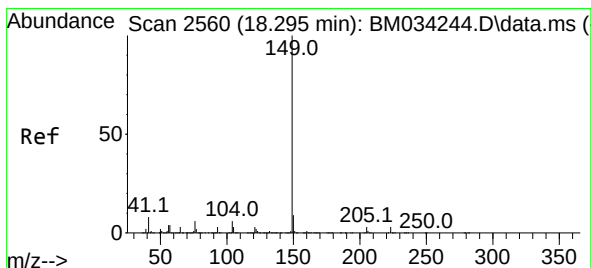
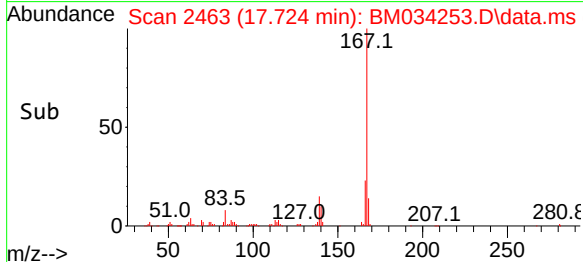
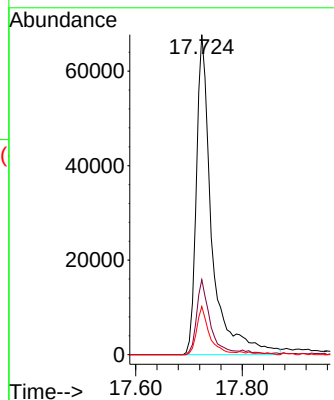
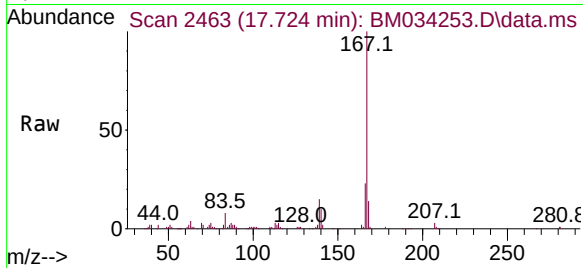




#73  
Carbazole  
Concen: 2.665 ng  
RT: 17.724 min Scan# 2463  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

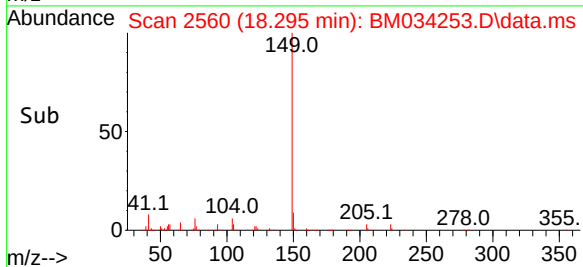
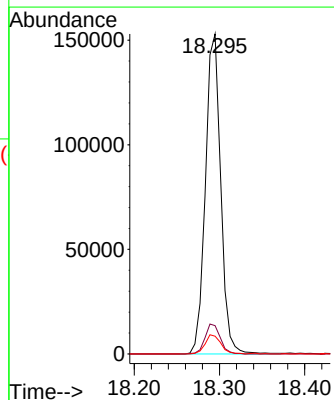
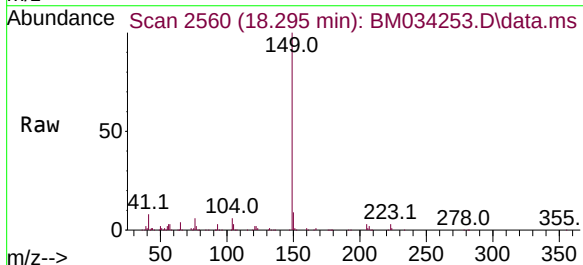
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:167 Resp: 136911  
Ion Ratio Lower Upper  
167 100  
166 23.4 17.4 26.2  
139 15.1 10.4 15.6

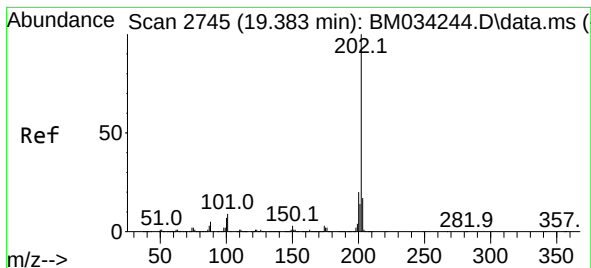


#74  
Di-n-butylphthalate  
Concen: 2.986 ng  
RT: 18.295 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:149 Resp: 190706  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.6 11.4  
104 5.6 4.7 7.1







#75

Fluoranthene

Concen: 3.238 ng

RT: 19.377 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

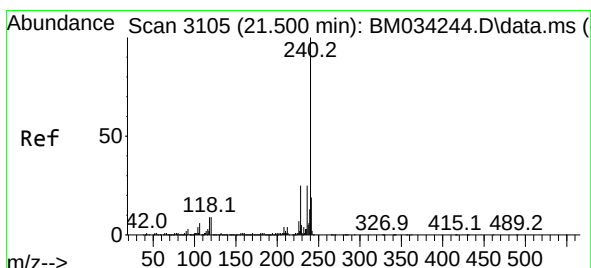
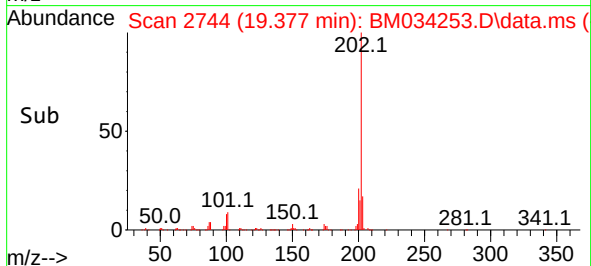
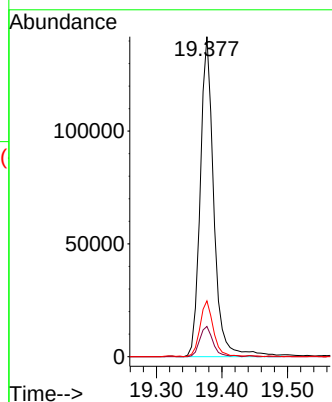
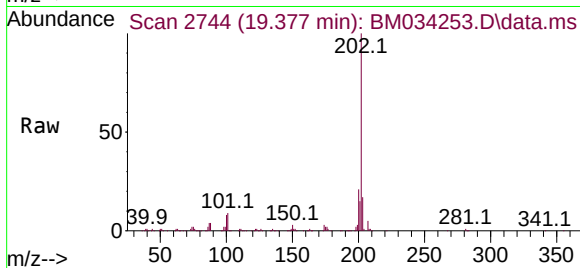
Tgt Ion:202 Resp: 205452

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.4

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.494 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

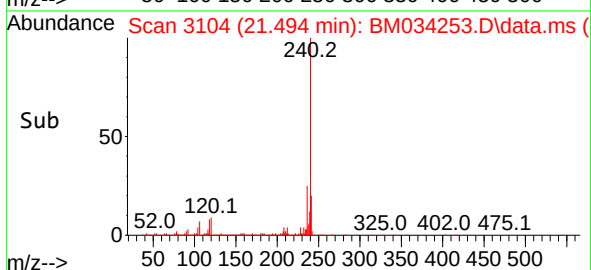
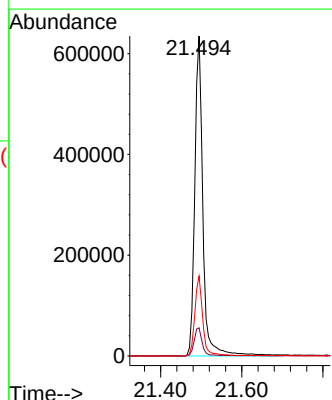
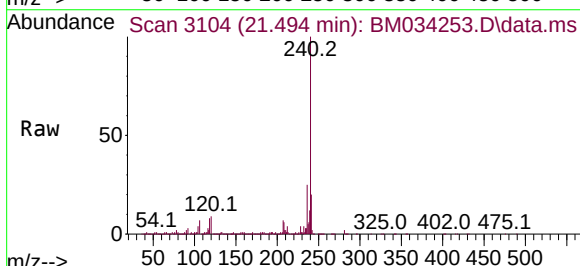
Tgt Ion:240 Resp: 887272

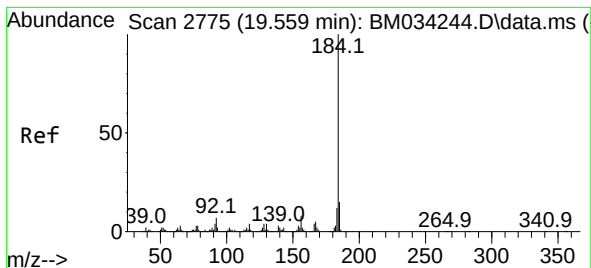
Ion Ratio Lower Upper

240 100

120 8.8 7.3 10.9

236 25.0 20.2 30.2





#77

Benzidine

Concen: 1.055 ng

RT: 19.565 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

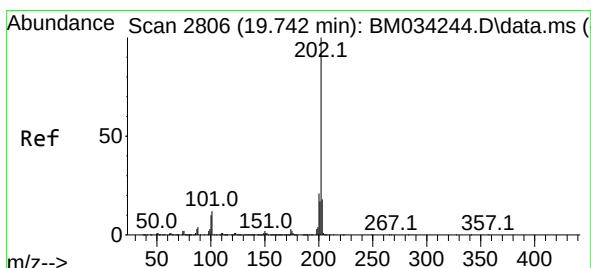
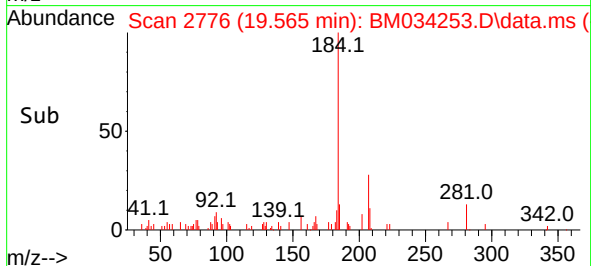
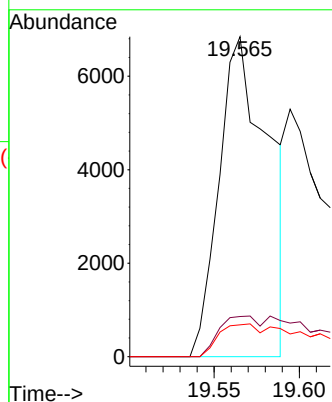
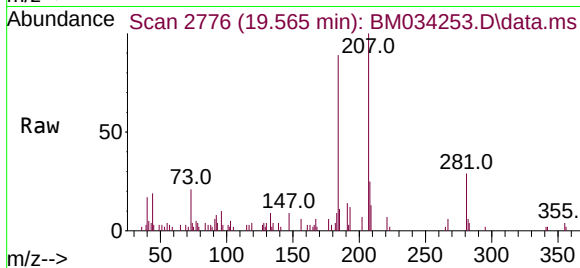
Tgt Ion:184 Resp: 13714

Ion Ratio Lower Upper

184 100

185 12.6 11.7 17.5

183 10.0 9.8 14.6



#78

Pyrene

Concen: 3.467 ng

RT: 19.736 min Scan# 2805

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

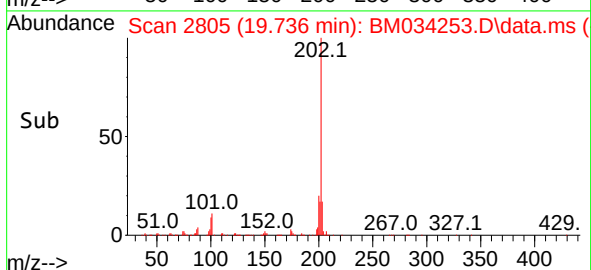
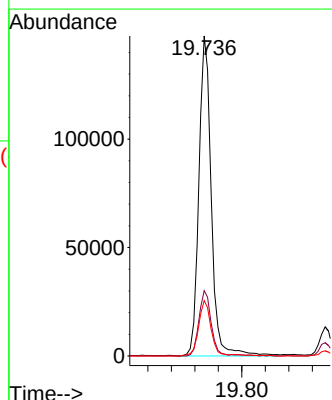
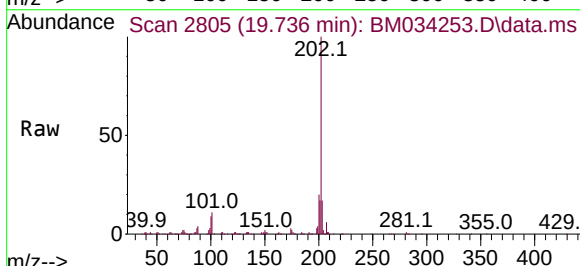
Tgt Ion:202 Resp: 216714

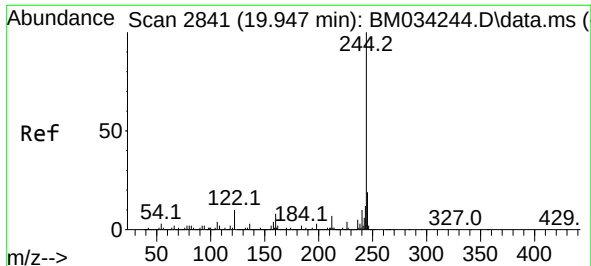
Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

203 17.3 14.1 21.1

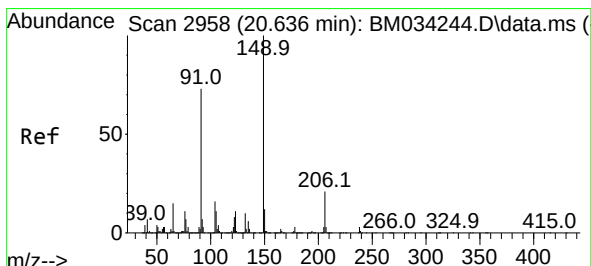
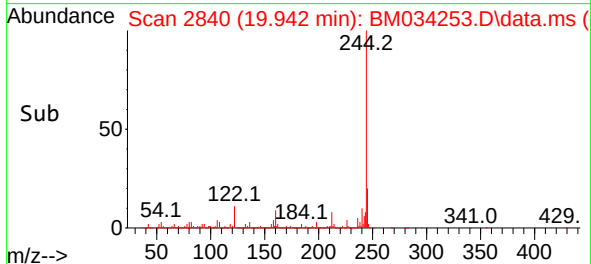
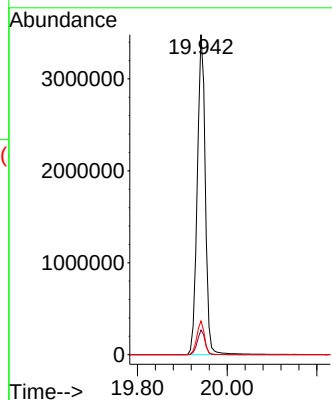
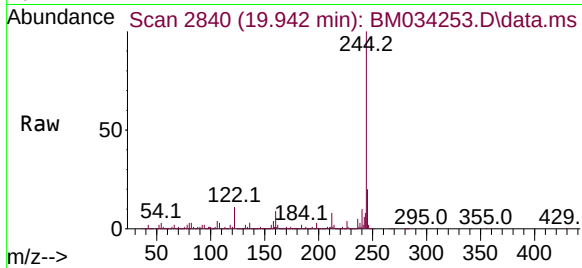




#79  
 Terphenyl-d14  
 Concen: 84.989 ng  
 RT: 19.942 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

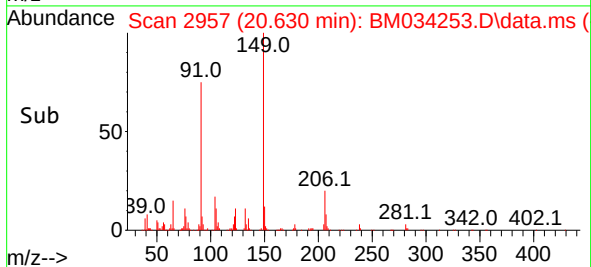
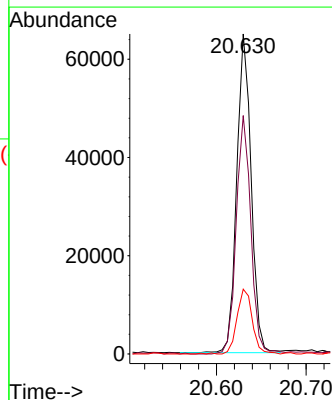
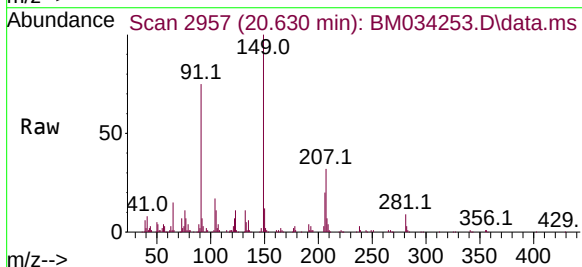
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2022

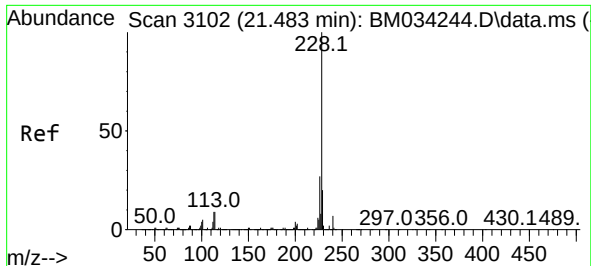
Tgt Ion:244 Resp: 4339795  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 5.9 8.9  
 122 10.6 7.8 11.8



#80  
 Butylbenzylphthalate  
 Concen: 2.730 ng  
 RT: 20.630 min Scan# 2957  
 Delta R.T. -0.006 min  
 Lab File: BM034253.D  
 Acq: 16 Mar 2022 11:14

Tgt Ion:149 Resp: 72184  
 Ion Ratio Lower Upper  
 149 100  
 91 74.5 58.5 87.7  
 206 20.3 16.9 25.3

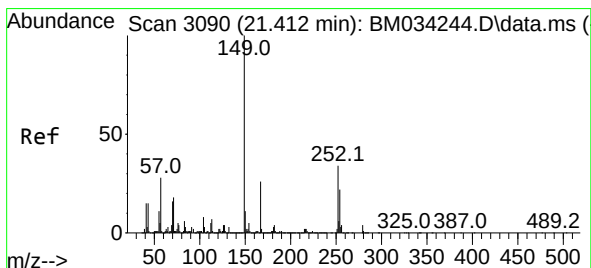
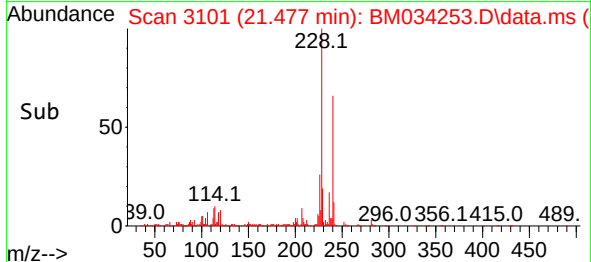
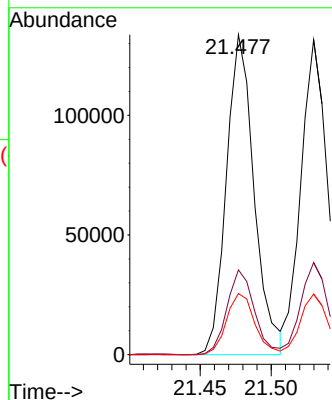
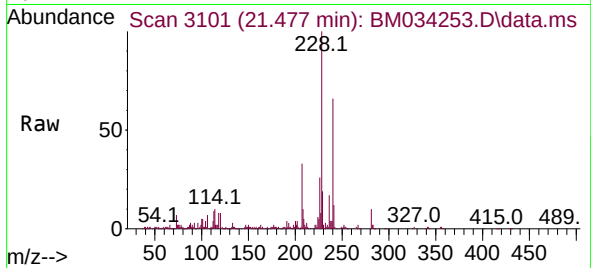




#81  
Benzo(a)anthracene  
Concen: 3.248 ng  
RT: 21.477 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

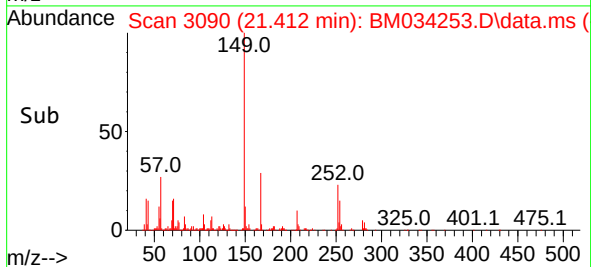
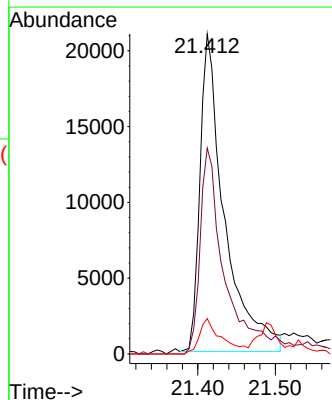
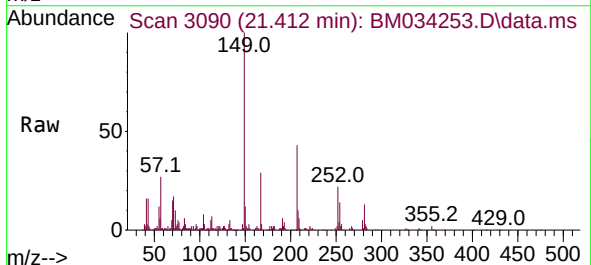
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BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

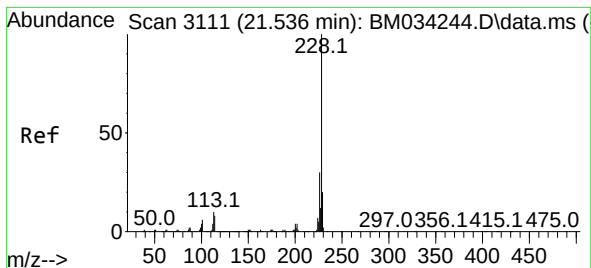
Tgt Ion:228 Resp: 181905  
Ion Ratio Lower Upper  
228 100  
226 26.5 21.6 32.4  
229 19.1 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 2.457 ng  
RT: 21.412 min Scan# 3090  
Delta R.T. 0.000 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:252 Resp: 45949  
Ion Ratio Lower Upper  
252 100  
254 64.4 50.9 76.3  
126 11.1 8.6 12.8





#83

Chrysene

Concen: 3.353 ng

RT: 21.530 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

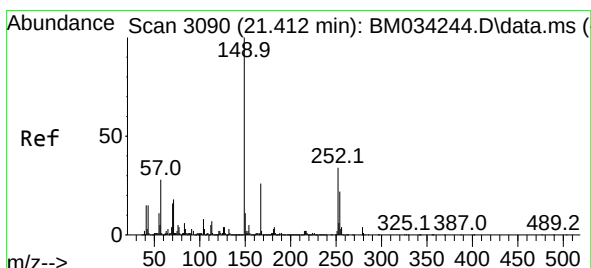
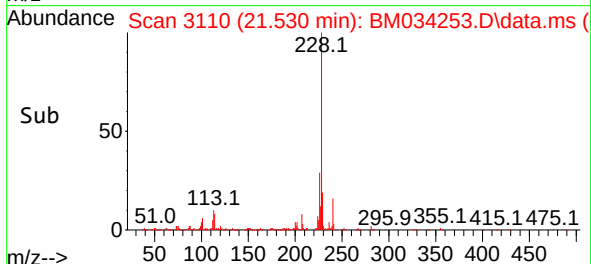
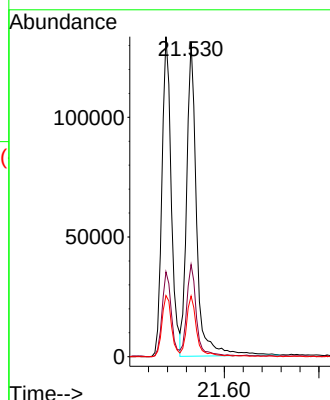
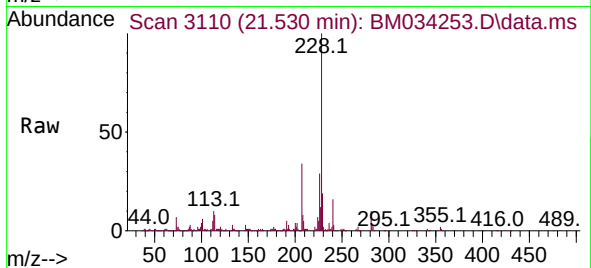
Tgt Ion:228 Resp: 191751

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

229 19.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.688 ng

RT: 21.412 min Scan# 3090

Delta R.T. 0.000 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

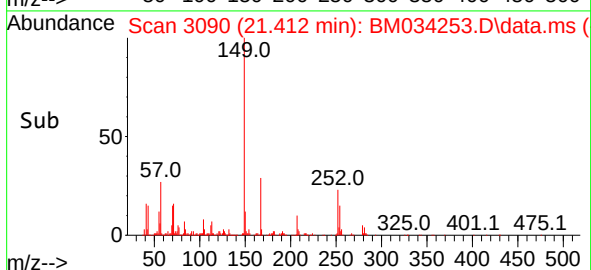
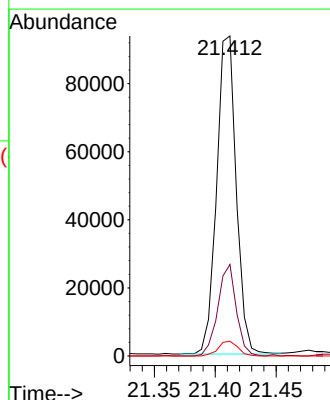
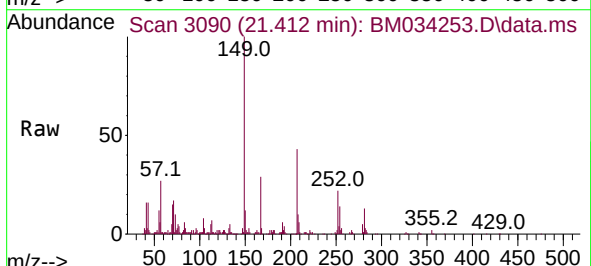
Tgt Ion:149 Resp: 104945

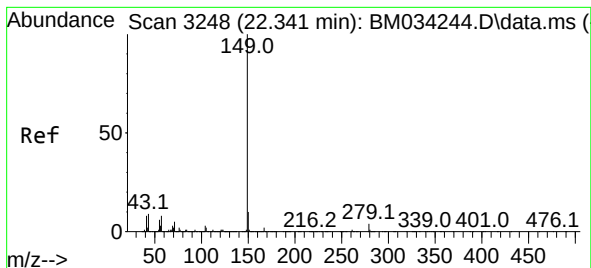
Ion Ratio Lower Upper

149 100

167 28.6 21.2 31.8

279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 2.515 ng

RT: 22.336 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

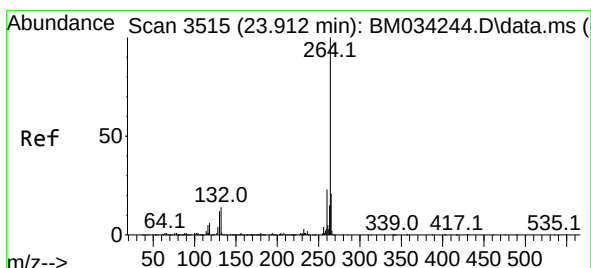
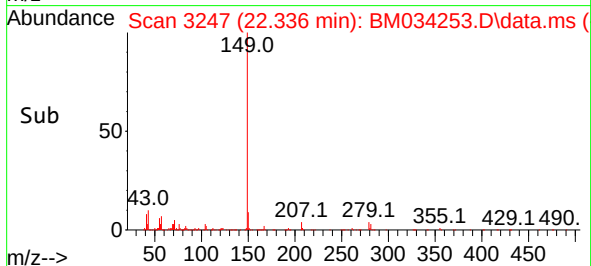
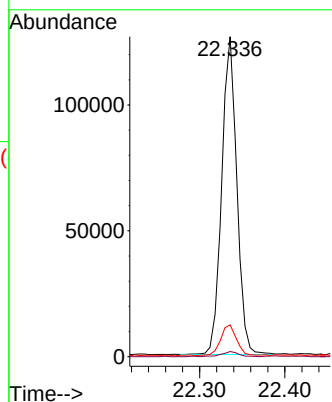
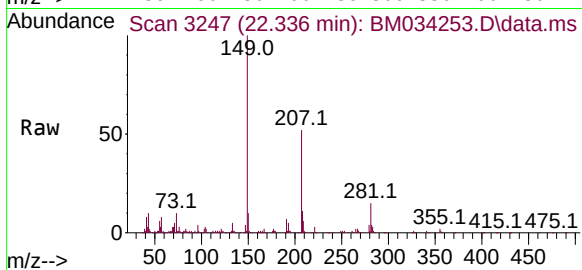
Tgt Ion:149 Resp: 155876

Ion Ratio Lower Upper

149 100

167 1.9 1.2 1.8#

43 10.3 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.906 min Scan# 3514

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

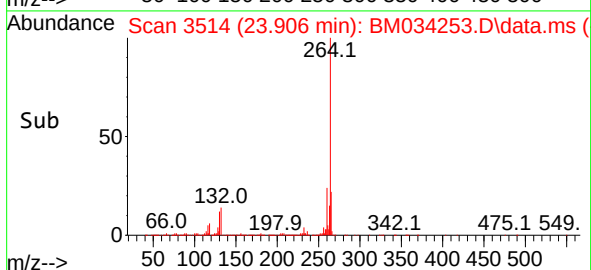
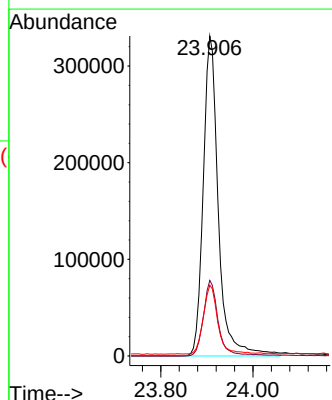
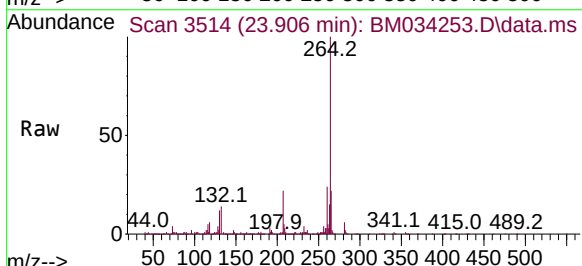
Tgt Ion:264 Resp: 756381

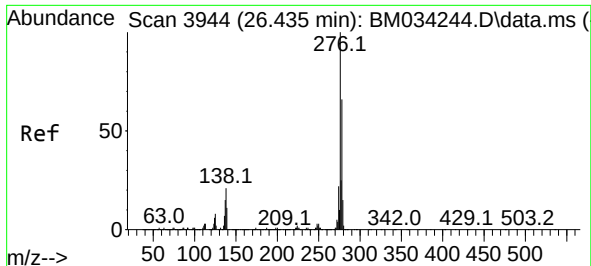
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.1 17.6 26.4

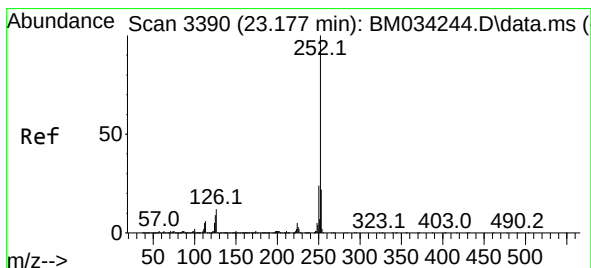
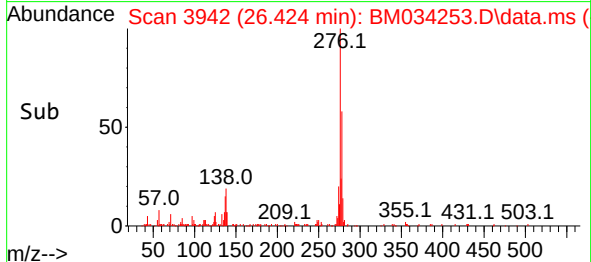
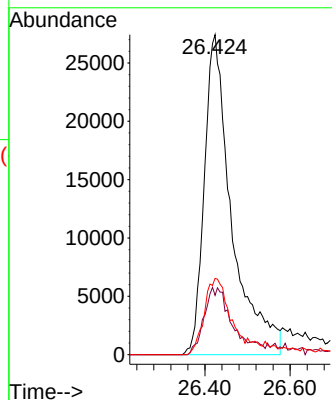
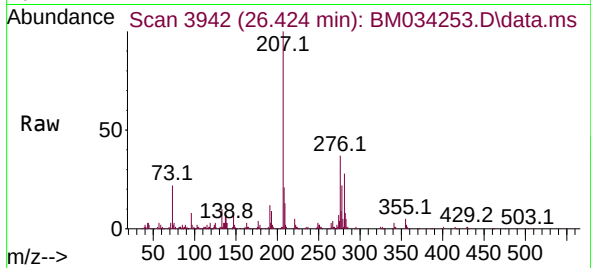




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.523 ng  
RT: 26.424 min Scan# 3942  
Delta R.T. -0.012 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

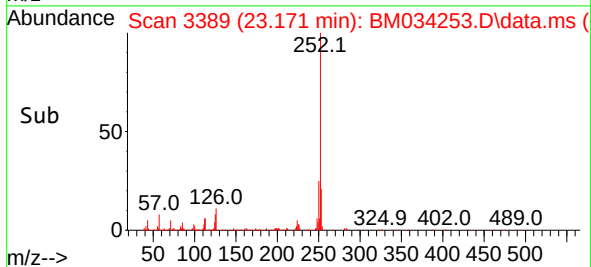
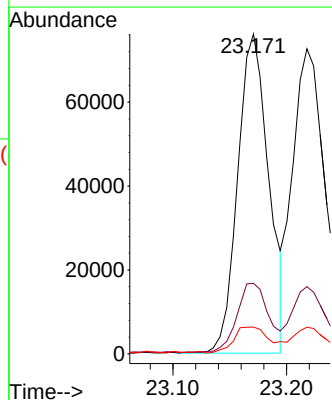
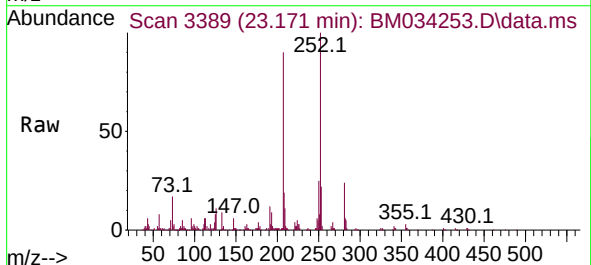
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BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

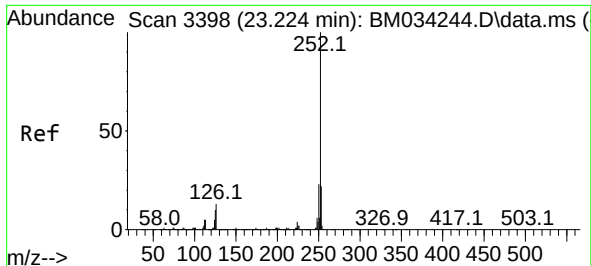
Tgt Ion:276 Resp: 122738  
Ion Ratio Lower Upper  
276 100  
138 9.0 16.6 25.0#  
277 24.1 19.8 29.6



#88  
Benzo(b)fluoranthene  
Concen: 3.193 ng  
RT: 23.171 min Scan# 3389  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:252 Resp: 144413  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.8  
125 8.4 7.2 10.8

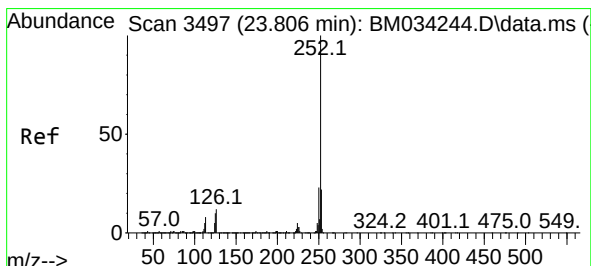
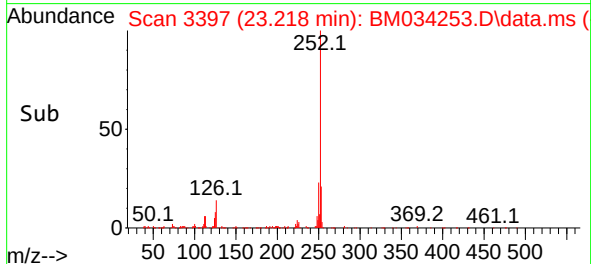
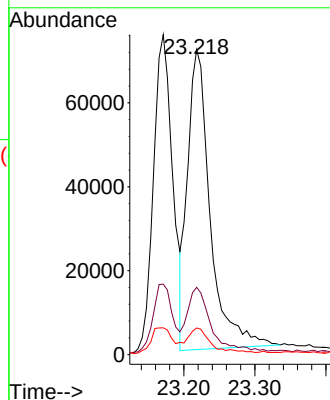
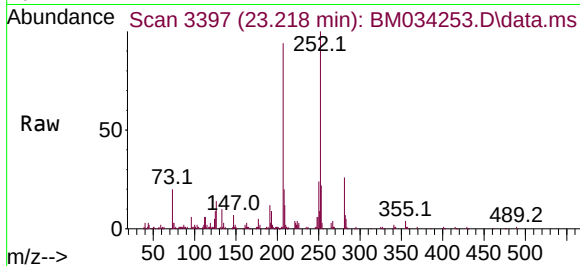




#89  
Benzo(k)fluoranthene  
Concen: 3.304 ng  
RT: 23.218 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

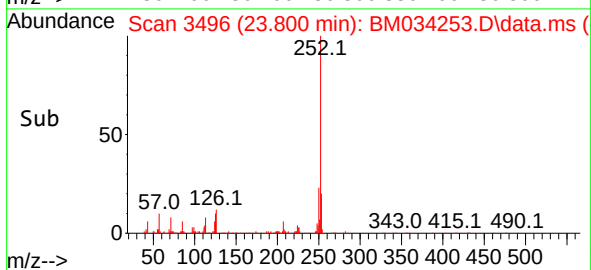
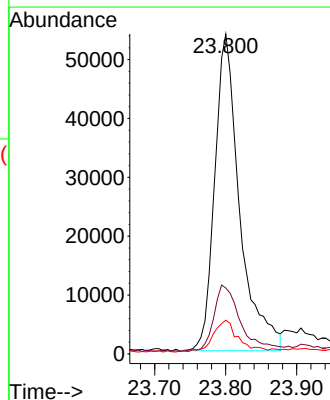
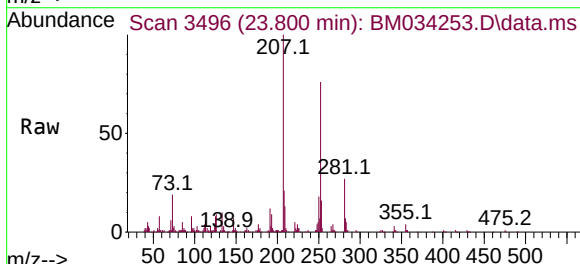
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:252 Resp: 158297  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.6 26.4  
125 8.7 7.5 11.3

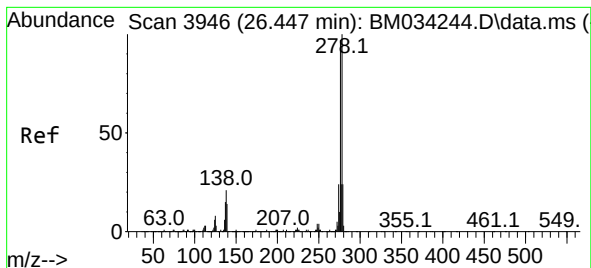


#90  
Benzo(a)pyrene  
Concen: 3.421 ng  
RT: 23.800 min Scan# 3496  
Delta R.T. -0.006 min  
Lab File: BM034253.D  
Acq: 16 Mar 2022 11:14

Tgt Ion:252 Resp: 131159  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.5 26.3  
125 10.5 7.8 11.6







#91

Dibenzo(a,h)anthracene

Concen: 2.563 ng

RT: 26.441 min Scan# 3946

Delta R.T. -0.006 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

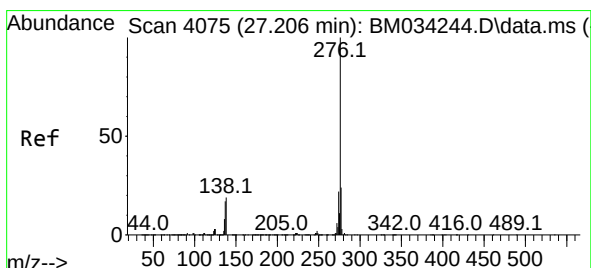
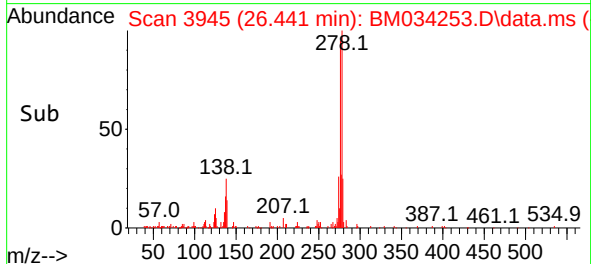
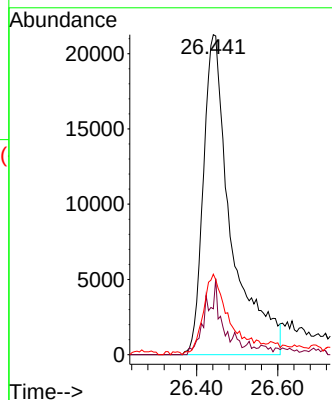
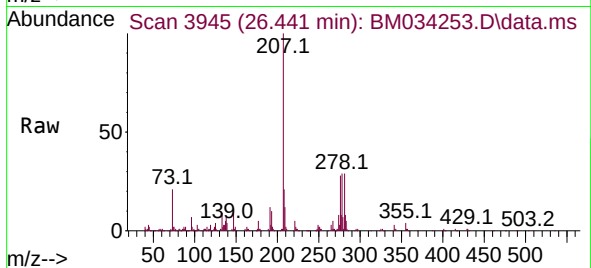
Tgt Ion:278 Resp: 101105

Ion Ratio Lower Upper

278 100

139 14.3 11.2 16.8

279 25.2 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 2.923 ng

RT: 27.194 min Scan# 4073

Delta R.T. -0.012 min

Lab File: BM034253.D

Acq: 16 Mar 2022 11:14

Tgt Ion:276 Resp: 119377

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.4

138 18.2 15.6 23.4

