

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072121\  
 Data File : BP006261.D  
 Acq On : 21 Jul 2021 11:42  
 Operator : CG/JU  
 Sample : M2940-01  
 Misc : LOD-SOIL-5PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

Quant Time: Jul 21 12:11:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 21 11:55:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 282650   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.587 | 136  | 1125444  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.428 | 164  | 661538   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.180 | 188  | 1312351  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.274 | 240  | 1313964  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.633 | 264  | 1351135  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 1987064  | 117.125 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.975  | 99   | 2672005  | 115.199 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.957  | 82   | 1309833  | 70.083  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.922 | 330  | 745340   | 109.456 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 2827756  | 65.064  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.757 | 244  | 4170725  | 63.496  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.346  | 88   | 31180    | 4.395   | ng    | 93       |
| 3) Pyridine                   | 3.746  | 79   | 72576    | 3.675   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.652  | 42   | 28273    | 4.222   | ng    | # 81     |
| 6) Aniline                    | 7.134  | 93   | 115663   | 4.504   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.363  | 128  | 75276    | 4.018   | ng    | 93       |
| 9) Benzaldehyde               | 6.952  | 77   | 71864    | 5.381   | ng    | 96       |
| 10) Phenol                    | 6.999  | 94   | 95882    | 4.167   | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.240  | 93   | 75135    | 4.216   | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.693  | 146  | 84235    | 4.104   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.834  | 146  | 87731    | 4.217   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.152  | 146  | 83036    | 4.167   | ng    | 99       |
| 15) Benzyl Alcohol            | 8.046  | 79   | 64358    | 3.854   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.340  | 45   | 81735    | 4.552   | ng    | 95       |
| 17) 2-Methylphenol            | 8.246  | 107  | 61728    | 4.044   | ng    | 97       |
| 18) Hexachloroethane          | 8.875  | 117  | 30698    | 4.150   | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 56087    | 3.947   | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.569  | 107  | 78221    | 3.805   | ng    | 96       |
| 22) Acetophenone              | 8.622  | 105  | 113783   | 4.189   | ng    | # 98     |
| 24) Nitrobenzene              | 8.999  | 77   | 87760    | 4.417   | ng    | 94       |
| 25) Isophorone                | 9.528  | 82   | 135618   | 3.557   | ng    | 96       |
| 26) 2-Nitrophenol             | 9.710  | 139  | 26521    | 3.553   | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 66019    | 4.376   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.016 | 93   | 94272    | 4.380   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 56671    | 3.639   | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.451 | 180  | 69853    | 3.967   | ng    | 96       |
| 31) Naphthalene               | 10.640 | 128  | 246064   | 4.165   | ng    | 99       |
| 32) Benzoic acid              | 9.822  | 122  | 20205    | 2.158   | ng    | 93       |
| 33) 4-Chloroaniline           | 10.751 | 127  | 95465    | 3.970   | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.928 | 225  | 41908    | 4.014   | ng    | 99       |
| 35) Caprolactam               | 11.534 | 113  | 15731    | 3.357   | ng    | # 84     |
| 36) 4-Chloro-3-methylphenol   | 11.875 | 107  | 65706    | 3.625   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 168390   | 4.082   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.469 | 142  | 154927   | 3.971   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.616 | 216  | 76568    | 4.273   | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 12.598 | 237  | 45240    | 4.611   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 39912    | 3.551   | ng    | 93       |

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 ALS Vial : 4 Sample Multiplier: 1

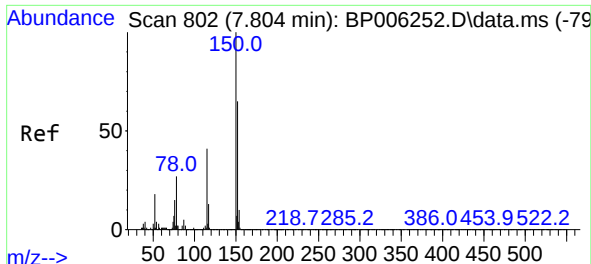
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

Quant Time: Jul 21 12:11:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072021.M  
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 QLast Update : Wed Jul 21 11:55:58 2021  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.928 | 196  | 43916    | 3.637 | ng    | # 86     |
| 46) 1,1'-Biphenyl             | 13.269 | 154  | 216904   | 4.448 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.304 | 162  | 159220   | 4.241 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 31478    | 3.568 | ng    | 95       |
| 49) Acenaphthylene            | 14.151 | 152  | 235724   | 3.944 | ng    | 99       |
| 50) Dimethylphthalate         | 13.898 | 163  | 183633   | 3.956 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 29663    | 3.256 | ng    | # 87     |
| 52) Acenaphthene              | 14.492 | 154  | 149785   | 4.054 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.334 | 138  | 31711    | 3.285 | ng    | # 85     |
| 54) 2,4-Dinitrophenol         | 14.539 | 184  | 12099    | 3.131 | ng    | 93       |
| 55) Dibenzofuran              | 14.828 | 168  | 241500   | 4.140 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.639 | 139  | 24942    | 2.912 | ng    | # 88     |
| 57) 2,4-Dinitrotoluene        | 14.792 | 165  | 34467    | 2.932 | ng    | # 82     |
| 58) Fluorene                  | 15.481 | 166  | 192152   | 4.112 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.051 | 232  | 34568    | 3.306 | ng    | # 74     |
| 60) Diethylphthalate          | 15.269 | 149  | 183929   | 3.839 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 90901    | 4.113 | ng    | 90       |
| 62) 4-Nitroaniline            | 15.492 | 138  | 31446    | 3.119 | ng    | 83       |
| 63) Azobenzene                | 15.775 | 77   | 171141   | 3.548 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198  | 16410    | 2.688 | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 15.692 | 169  | 157969   | 3.923 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.380 | 248  | 49060    | 3.711 | ng    | 91       |
| 68) Hexachlorobenzene         | 16.480 | 284  | 60224    | 3.972 | ng    | 95       |
| 69) Atrazine                  | 16.657 | 200  | 50016    | 3.803 | ng    | 95       |
| 70) Pentachlorophenol         | 16.828 | 266  | 27695    | 3.262 | ng    | 96       |
| 71) Phenanthrene              | 17.222 | 178  | 304994   | 4.243 | ng    | 99       |
| 72) Anthracene                | 17.316 | 178  | 289548   | 4.130 | ng    | 98       |
| 73) Carbazole                 | 17.586 | 167  | 263626   | 3.751 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.163 | 149  | 286991   | 3.577 | ng    | 100      |
| 75) Fluoranthene              | 19.192 | 202  | 325110   | 3.941 | ng    | 95       |
| 77) Benzidine                 | 19.380 | 184  | 132256   | 3.458 | ng    | 98       |
| 78) Pyrene                    | 19.545 | 202  | 343238   | 3.956 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.439 | 149  | 112680   | 3.066 | ng    | 89       |
| 81) Benzo(a)anthracene        | 21.263 | 228  | 331821   | 3.935 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 104095   | 4.458 | ng    | # 95     |
| 83) Chrysene                  | 21.310 | 228  | 325691   | 3.989 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.210 | 149  | 182345   | 3.291 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.127 | 149  | 300009   | 3.228 | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.062 | 276  | 382986   | 4.001 | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 22.910 | 252  | 333410   | 3.824 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 22.962 | 252  | 337777   | 4.161 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 23.521 | 252  | 312590   | 3.996 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 26.092 | 278  | 327295   | 3.953 | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 26.809 | 276  | 322791   | 4.005 | ng    | # 90     |

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

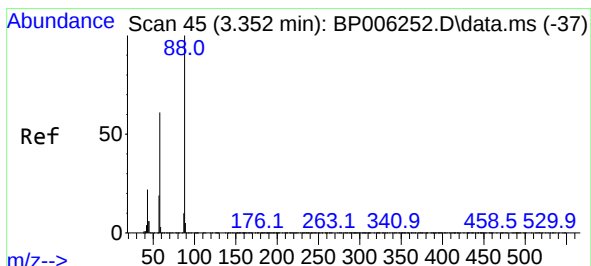
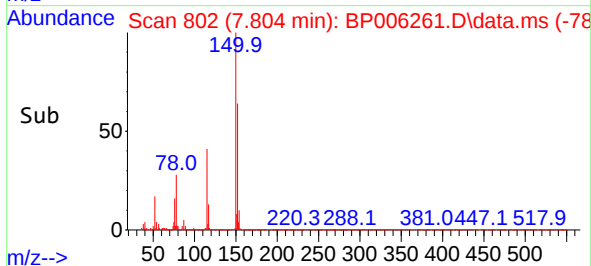
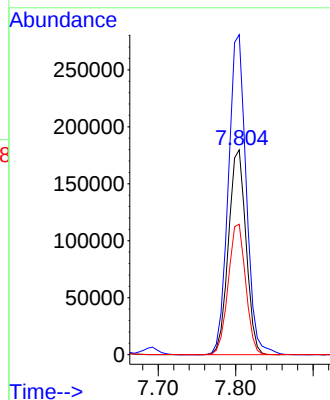
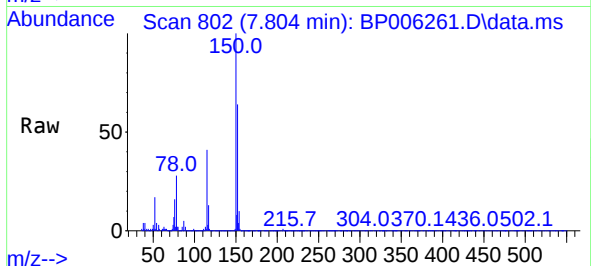




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.804 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

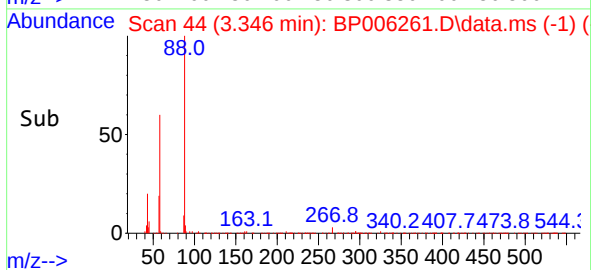
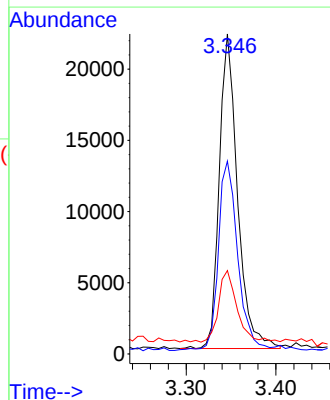
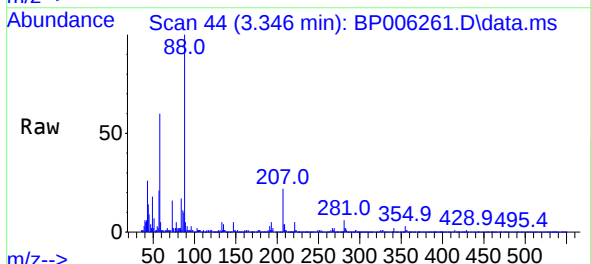
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

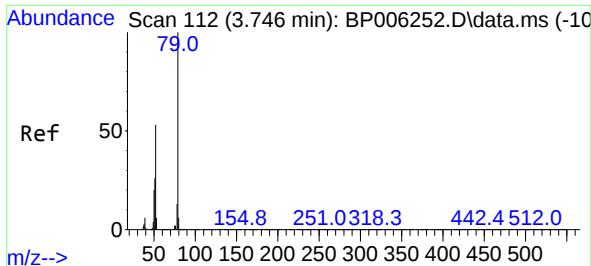
Tgt Ion:152 Resp: 282650  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.6 188.4  
115 63.7 48.5 72.7



#2  
1,4-Dioxane  
Concen: 4.395 ng  
RT: 3.346 min Scan# 44  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 88 Resp: 31180  
Ion Ratio Lower Upper  
88 100  
58 64.2 46.7 70.1  
43 23.1 20.3 30.5



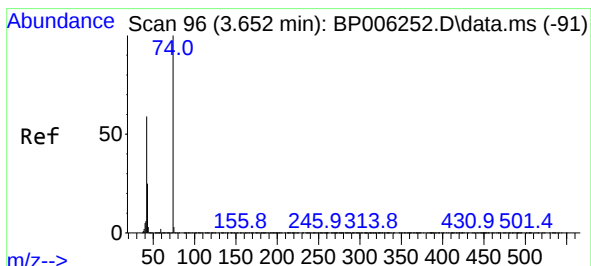
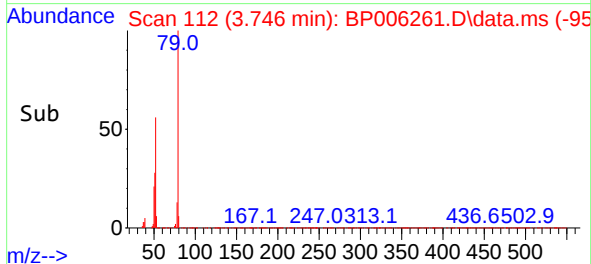
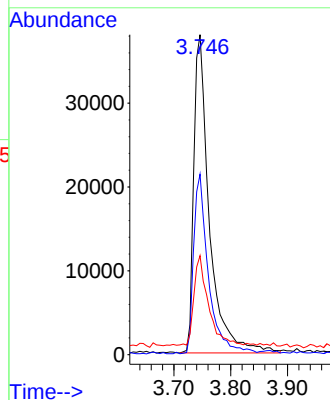
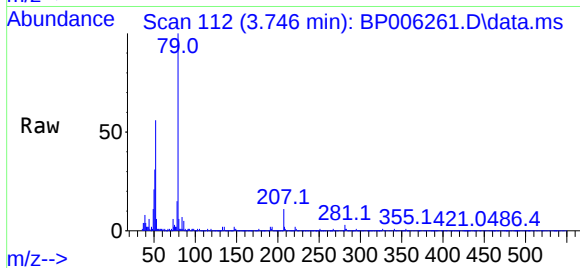


#3  
Pyridine  
Concen: 3.675 ng  
RT: 3.746 min Scan# 112  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion: 79 Resp: 72576

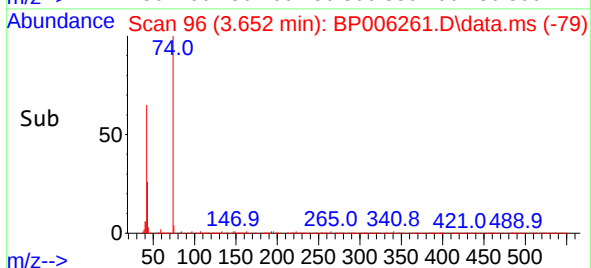
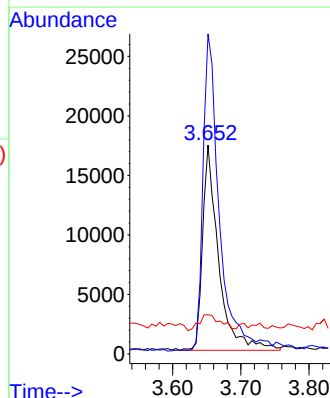
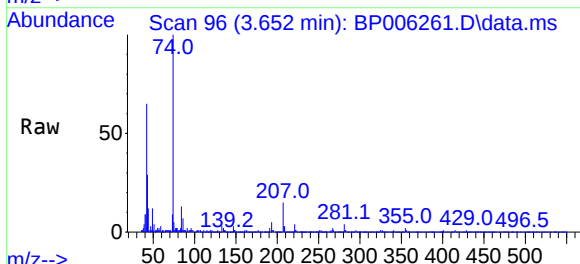
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 52  | 56.4  | 41.7  | 62.5  |
| 51  | 30.9  | 24.1  | 36.1  |

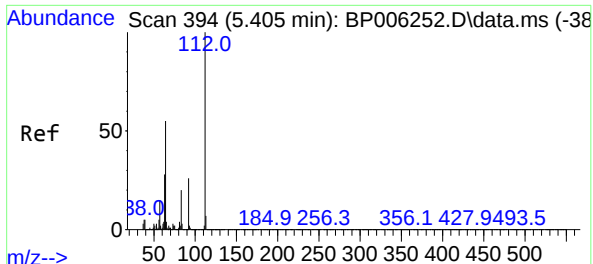


#4  
n-Nitrosodimethylamine  
Concen: 4.222 ng  
RT: 3.652 min Scan# 96  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 42 Resp: 28273

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 74  | 153.1 | 105.4 | 158.0 |
| 44  | 18.8  | 4.2   | 6.4   |

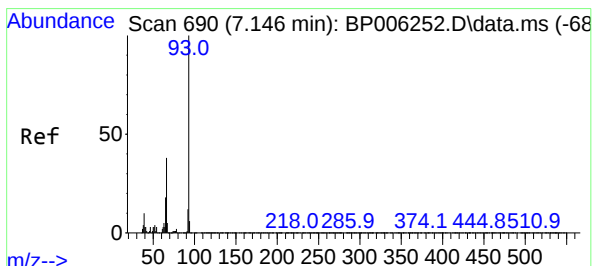
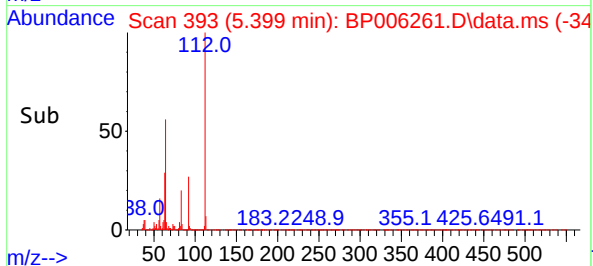
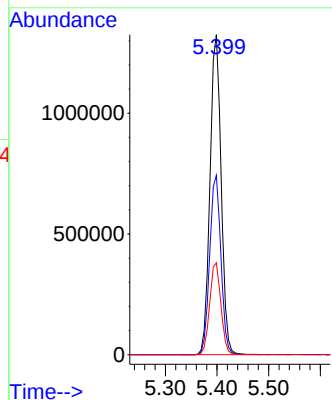
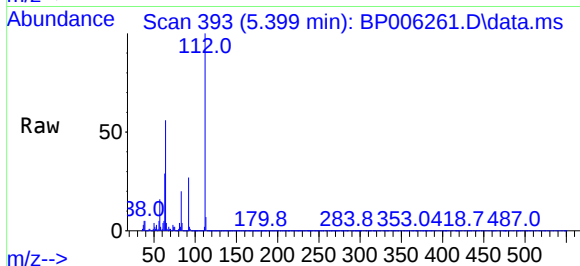




#5  
2-Fluorophenol  
Concen: 117.125 ng  
RT: 5.399 min Scan# 393  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

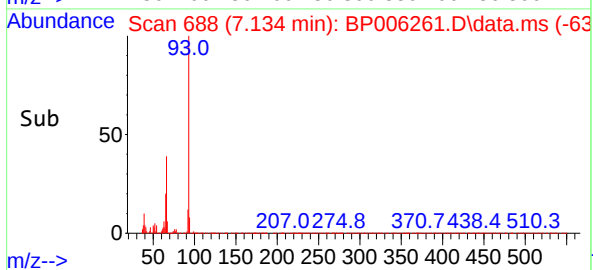
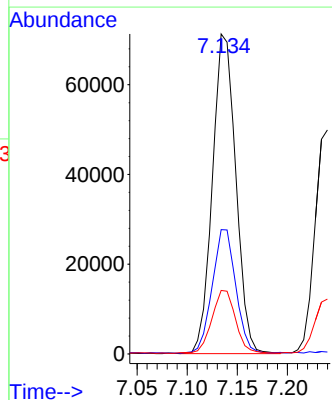
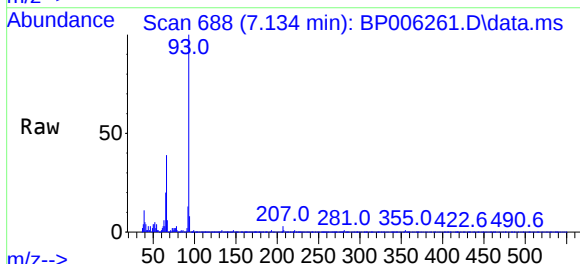
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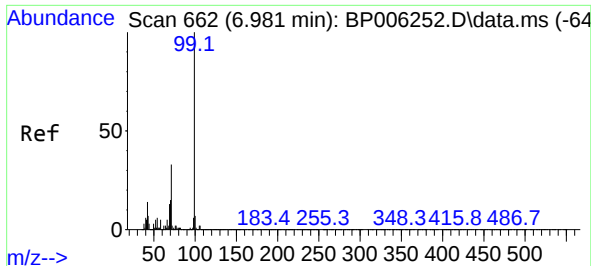
Tgt Ion:112 Resp: 1987064  
Ion Ratio Lower Upper  
112 100  
64 56.1 41.4 62.2  
63 28.7 23.8 35.8



#6  
Aniline  
Concen: 4.504 ng  
RT: 7.134 min Scan# 688  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 93 Resp: 115663  
Ion Ratio Lower Upper  
93 100  
66 38.8 29.7 44.5  
65 19.8 15.3 22.9



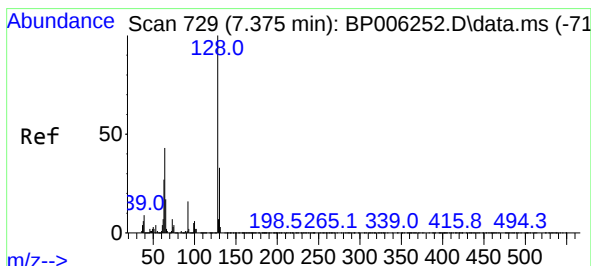
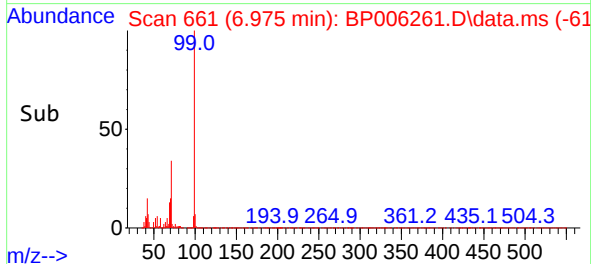
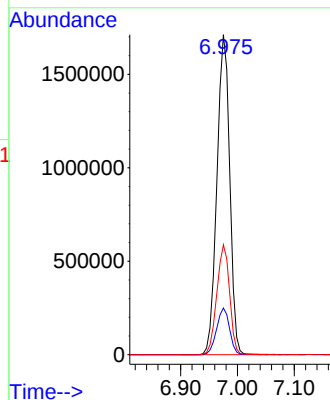
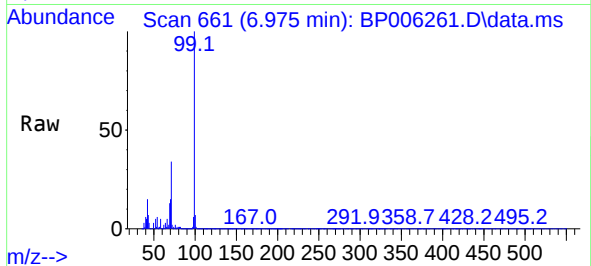


#7  
Phenol-d6  
Concen: 115.199 ng  
RT: 6.975 min Scan# 661  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion: 99 Resp: 2672005

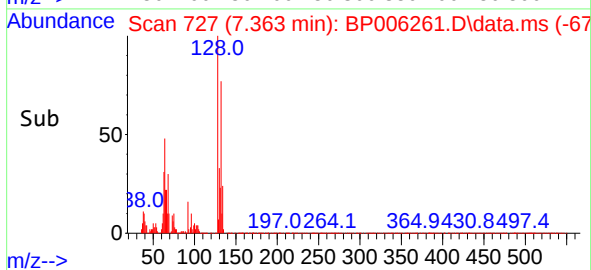
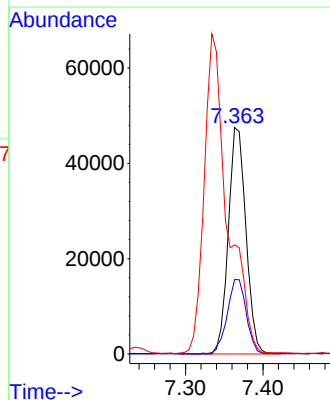
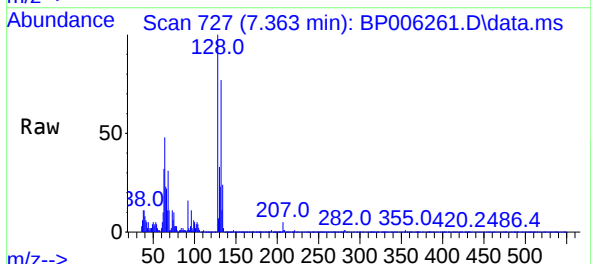
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.6  | 13.4  | 20.0  |
| 71  | 34.4  | 30.6  | 46.0  |

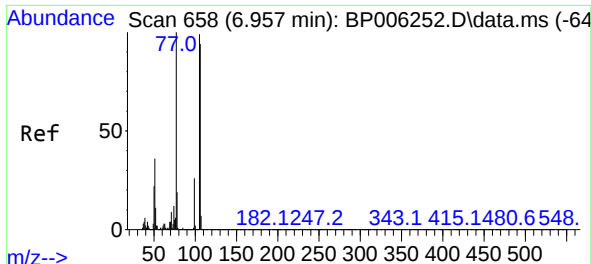


#8  
2-Chlorophenol  
Concen: 4.018 ng  
RT: 7.363 min Scan# 727  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 128 Resp: 75276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.9  | 12.4  | 52.4  |
| 64  | 48.2  | 20.3  | 60.3  |

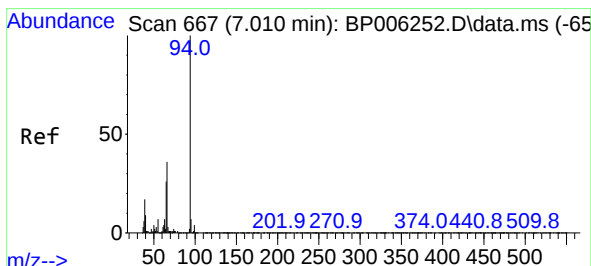
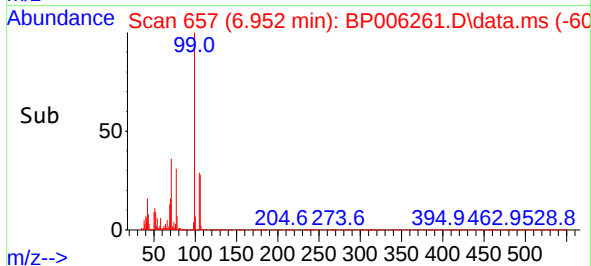
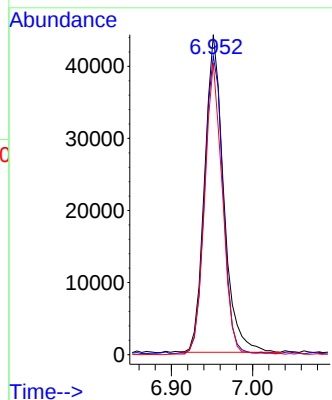
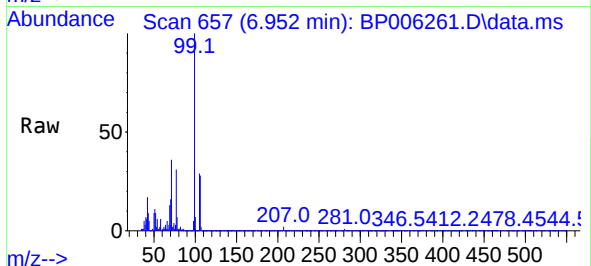




#9  
Benzaldehyde  
Concen: 5.381 ng  
RT: 6.952 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

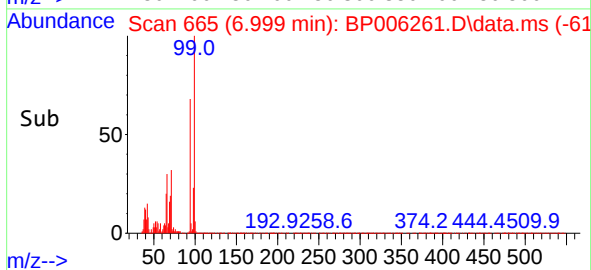
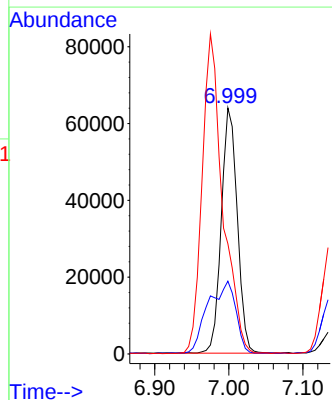
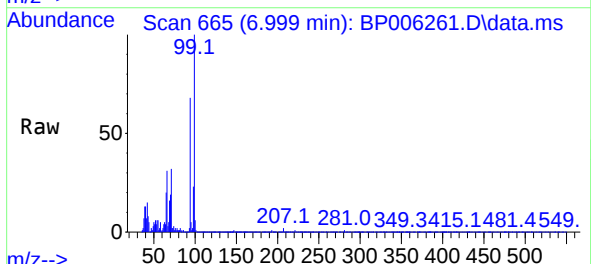
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

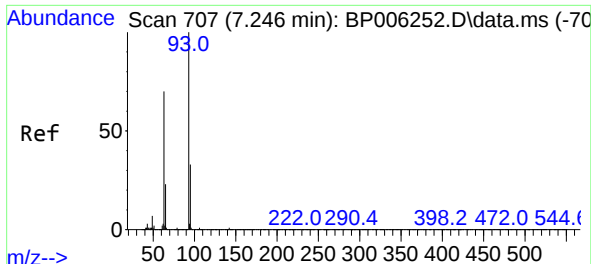
Tgt Ion: 77 Resp: 71864  
Ion Ratio Lower Upper  
77 100  
105 93.4 76.7 116.7  
106 91.2 76.2 116.2



#10  
Phenol  
Concen: 4.167 ng  
RT: 6.999 min Scan# 665  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 94 Resp: 95882  
Ion Ratio Lower Upper  
94 100  
65 29.6 8.8 48.8  
66 44.8 20.7 60.7

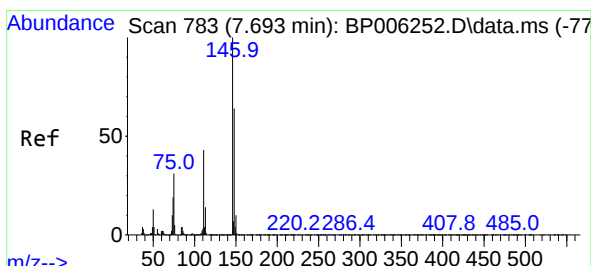
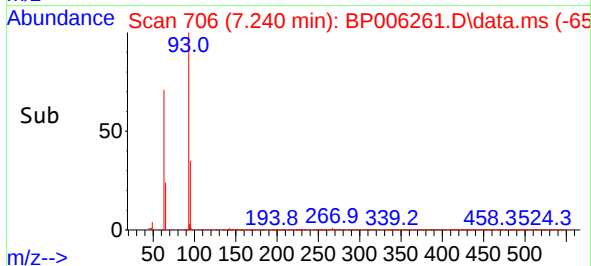
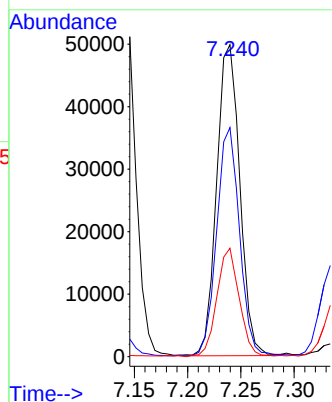
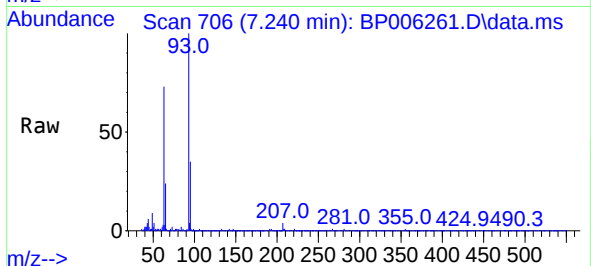




#11  
bis(2-Chloroethyl)ether  
Concen: 4.216 ng  
RT: 7.240 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

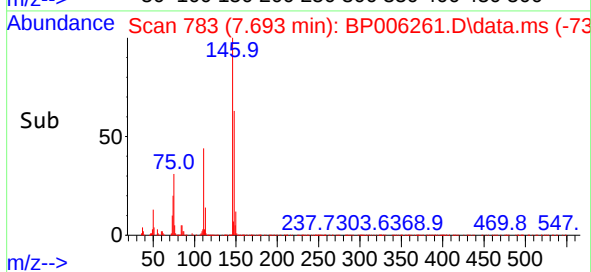
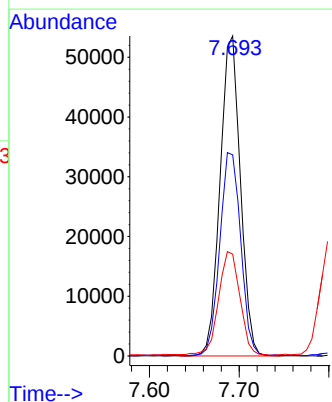
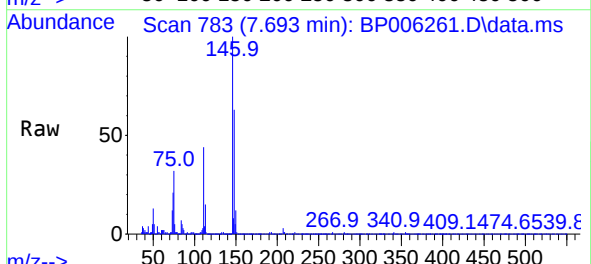
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

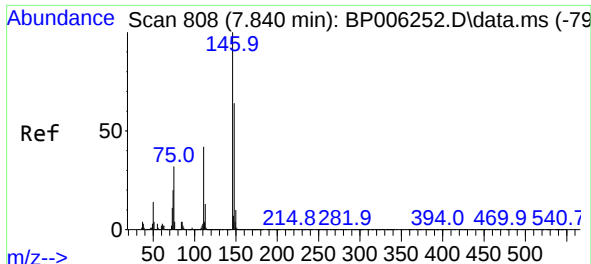
Tgt Ion: 93 Resp: 75135  
Ion Ratio Lower Upper  
93 100  
63 73.4 46.2 86.2  
95 34.8 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 4.104 ng  
RT: 7.693 min Scan# 783  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:146 Resp: 84235  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.5 77.3  
75 31.8 25.7 38.5

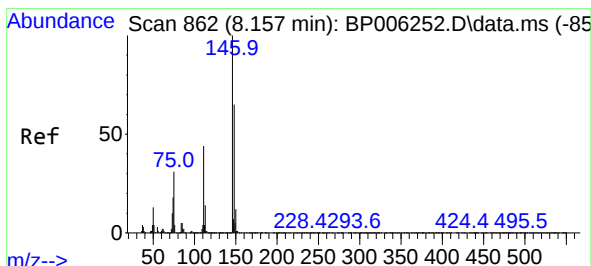
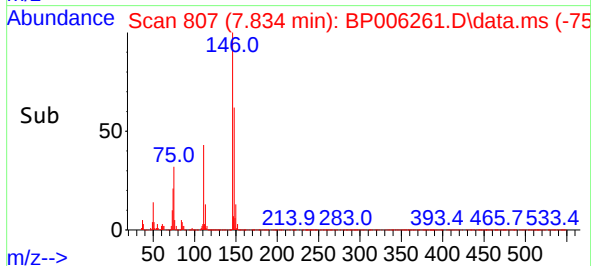
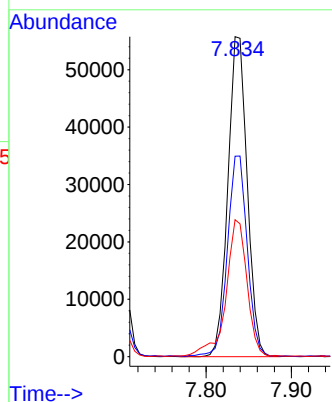
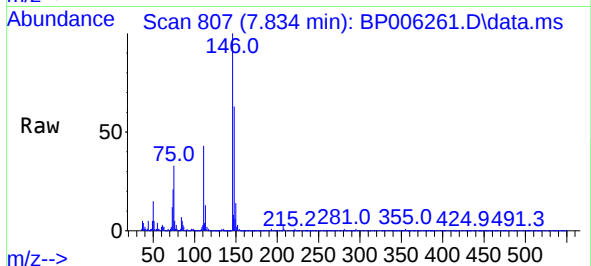




#13  
1,4-Dichlorobenzene  
Concen: 4.217 ng  
RT: 7.834 min Scan# 807  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

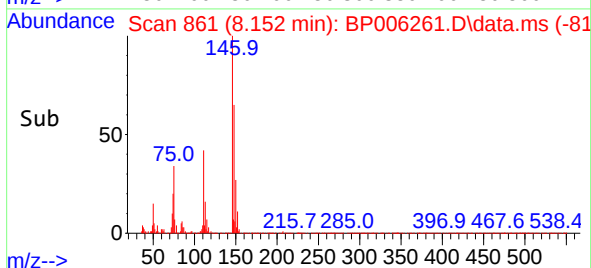
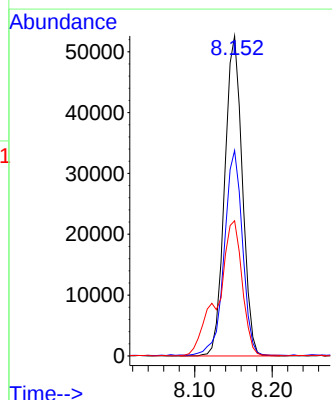
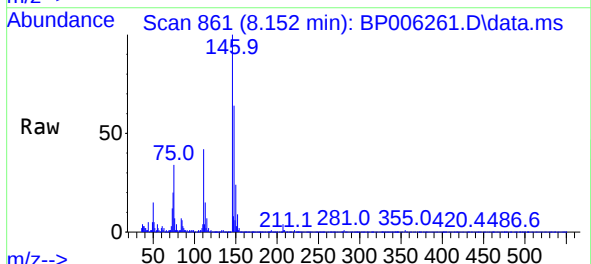
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

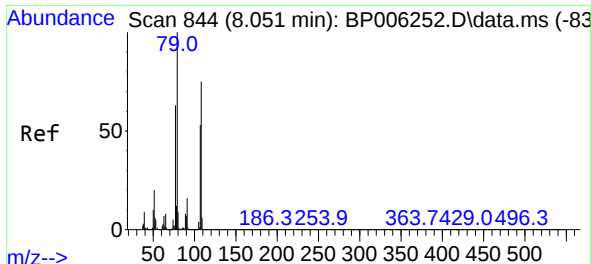
Tgt Ion:146 Resp: 87731  
Ion Ratio Lower Upper  
146 100  
148 62.7 51.3 76.9  
111 42.8 33.0 49.6



#14  
1,2-Dichlorobenzene  
Concen: 4.167 ng  
RT: 8.152 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:146 Resp: 83036  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.3 75.5  
111 42.2 33.7 50.5



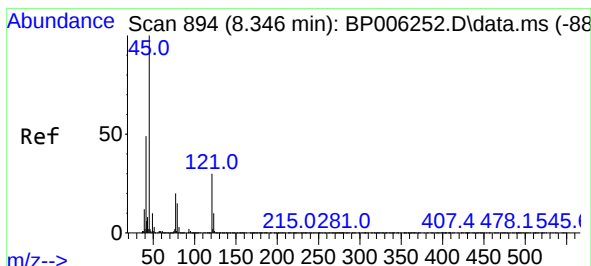
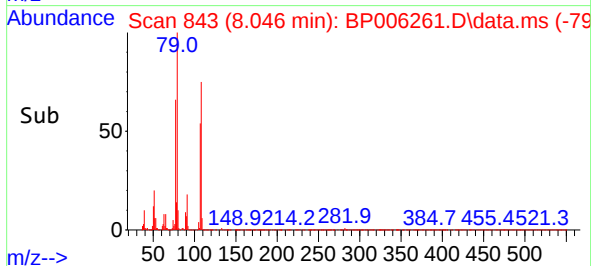
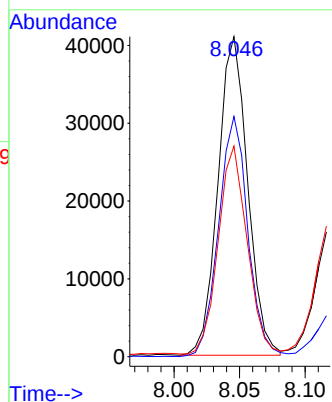
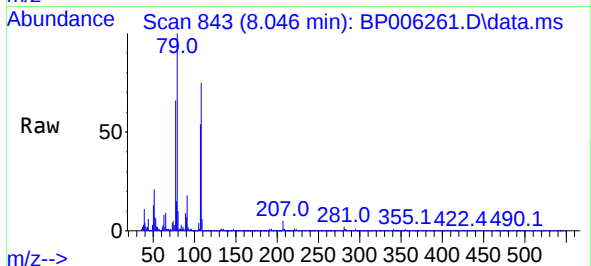


#15  
Benzyl Alcohol  
Concen: 3.854 ng  
RT: 8.046 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion: 79 Resp: 64358

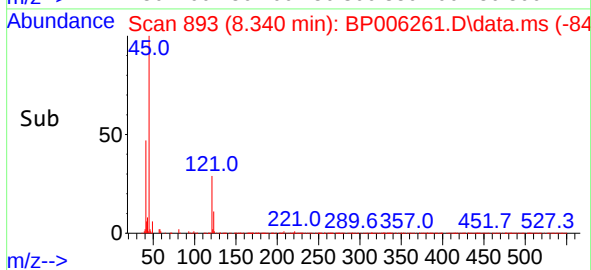
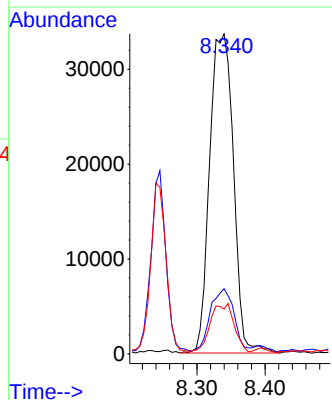
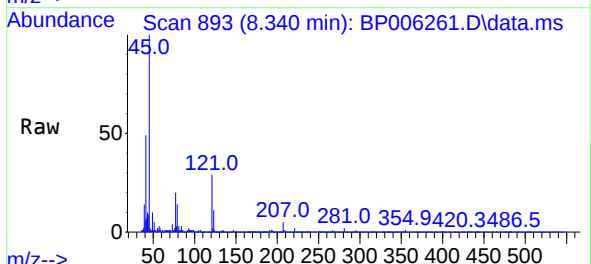
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 75.0  | 62.5  | 93.7  |
| 77  | 65.8  | 52.9  | 79.3  |

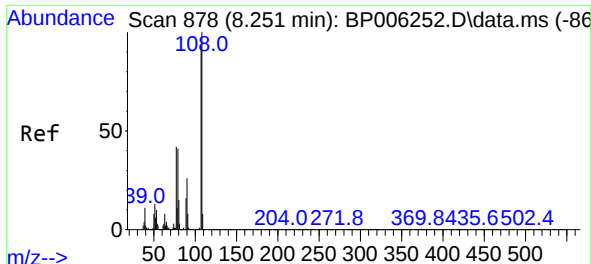


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.552 ng  
RT: 8.340 min Scan# 893  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 45 Resp: 81735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 20.4  | 2.0   | 42.0  |
| 79  | 14.0  | 0.0   | 36.7  |

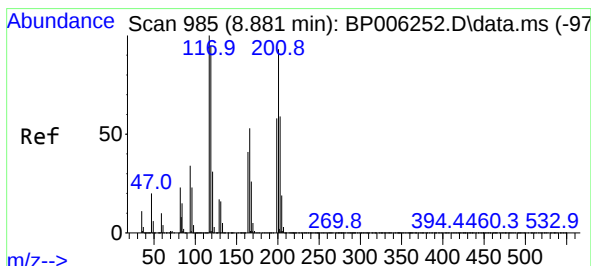
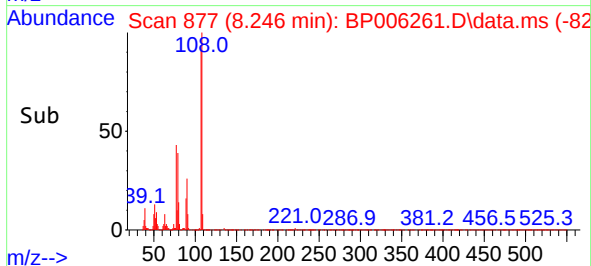
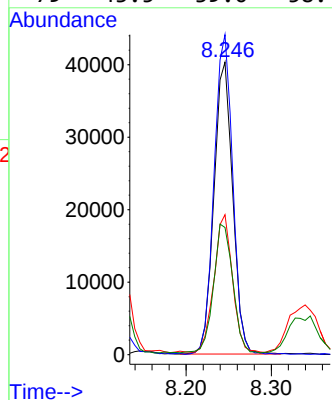
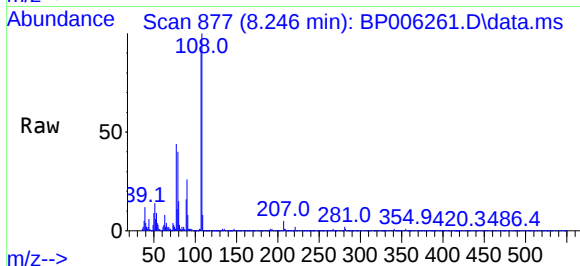




#17  
2-Methylphenol  
Concen: 4.044 ng  
RT: 8.246 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

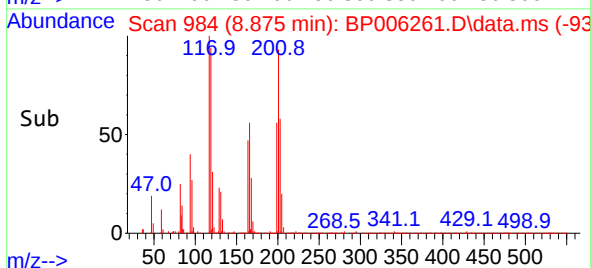
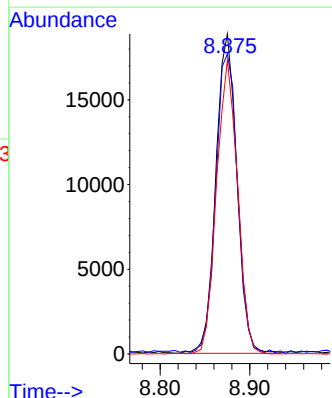
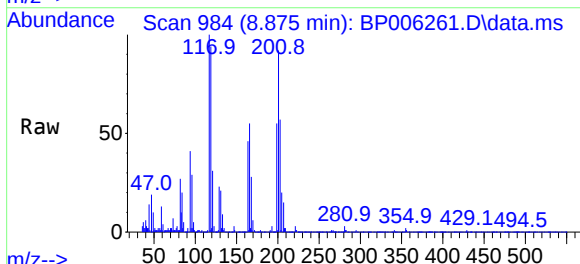
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

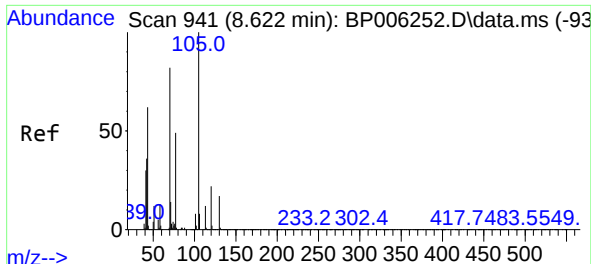
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 61728 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 109.4 | 87.7  | 131.5 |
| 77       | 47.9  | 40.2  | 60.2  |
| 79       | 43.5  | 39.0  | 58.4  |



#18  
Hexachloroethane  
Concen: 4.150 ng  
RT: 8.875 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 30698 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.8  | 76.2  | 114.2 |
| 201      | 91.7  | 83.4  | 125.0 |



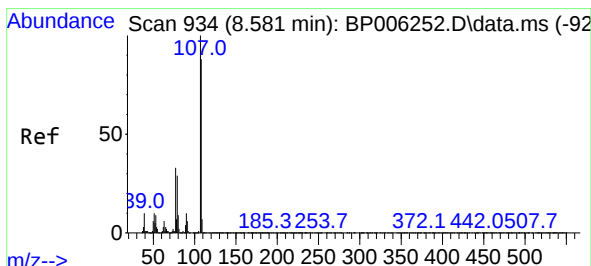
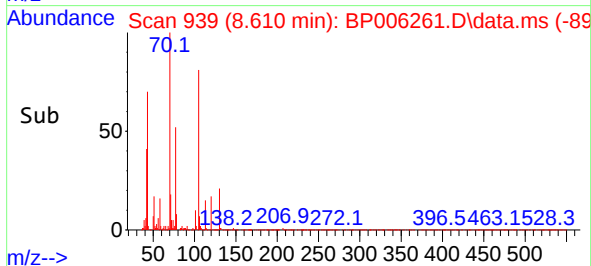
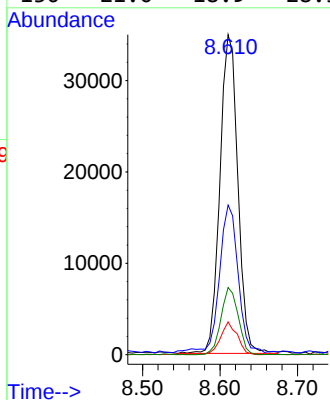
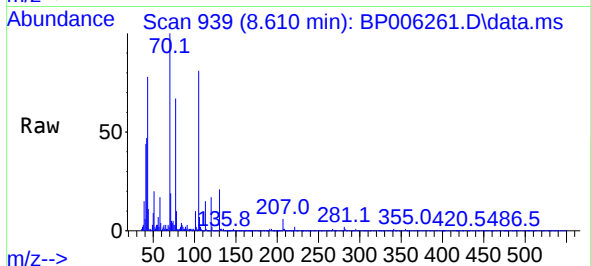


#19  
n-Nitroso-di-n-propylamine  
Concen: 3.947 ng  
RT: 8.610 min Scan# 939  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion: 70 Resp: 56087

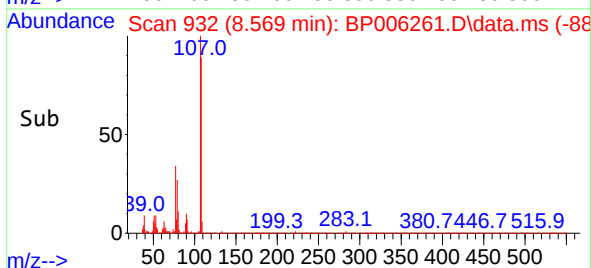
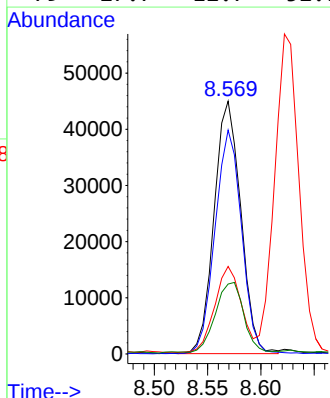
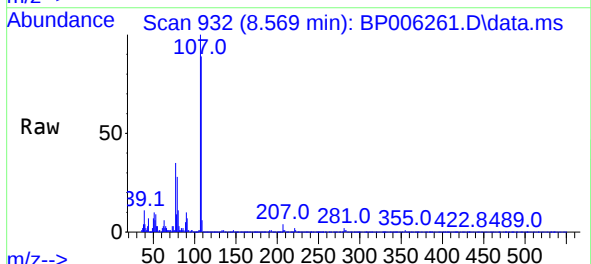
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 46.8  | 40.8  | 61.2  |
| 101 | 10.2  | 8.8   | 13.2  |
| 130 | 21.0  | 18.9  | 28.3  |

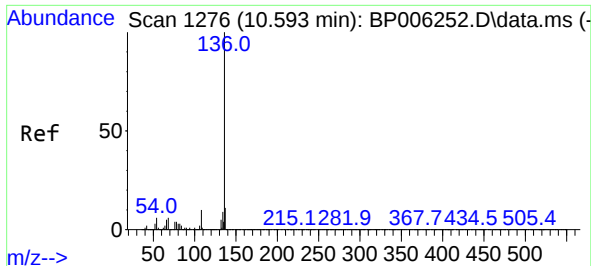


#20  
3+4-Methylphenols  
Concen: 3.805 ng  
RT: 8.569 min Scan# 932  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 107 Resp: 78221

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.5  | 71.0  | 111.0 |
| 77  | 34.6  | 16.6  | 56.6  |
| 79  | 27.7  | 12.7  | 52.7  |

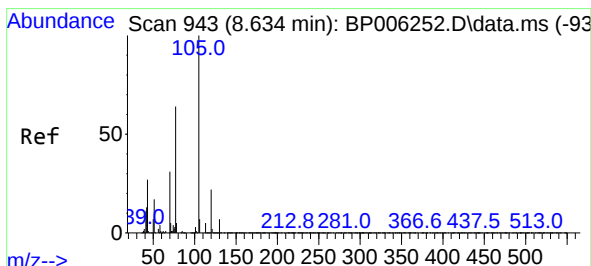
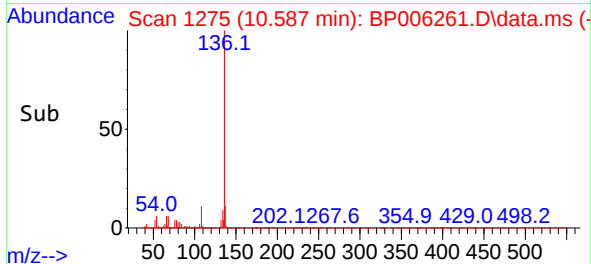
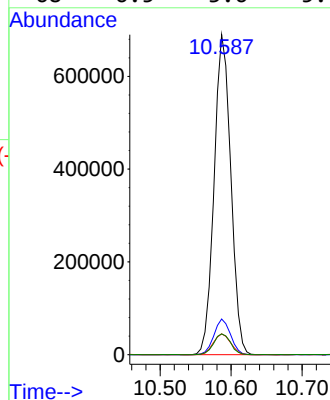
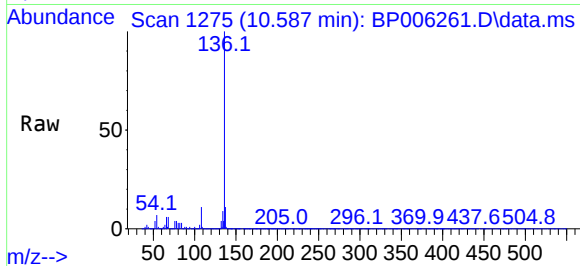




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.587 min Scan# 1275  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

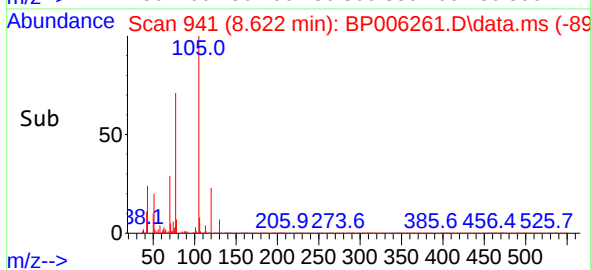
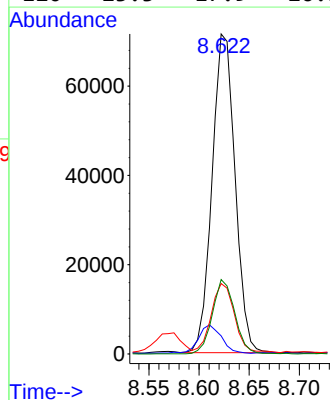
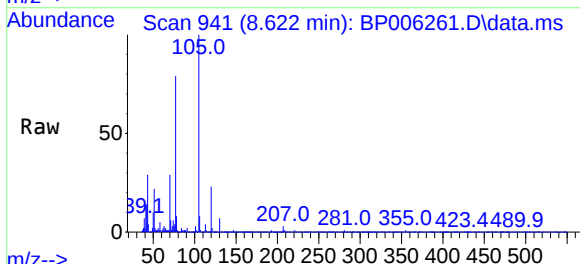
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

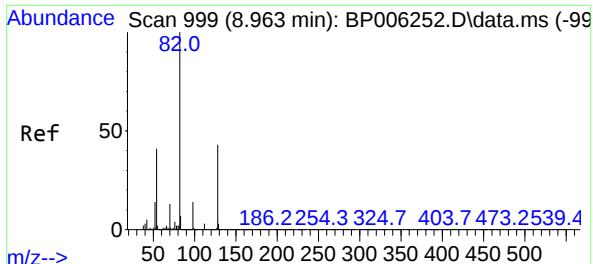
Tgt Ion:136 Resp: 1125444  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 6.5 4.6 6.8  
68 6.5 3.6 5.4#



#22  
Acetophenone  
Concen: 4.189 ng  
RT: 8.622 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:105 Resp: 113783  
Ion Ratio Lower Upper  
105 100  
71 5.6 1.9 2.9#  
51 22.0 18.4 27.6  
120 23.3 17.9 26.9

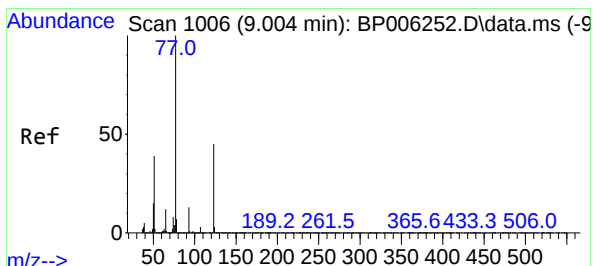
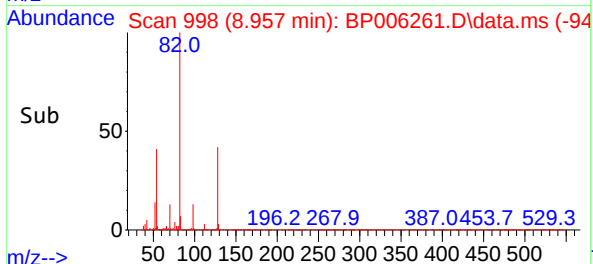
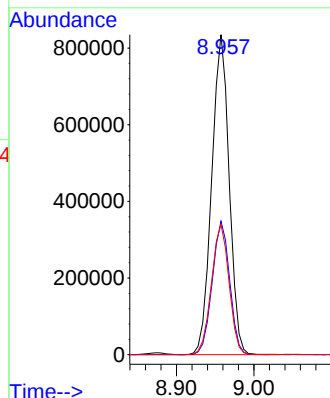
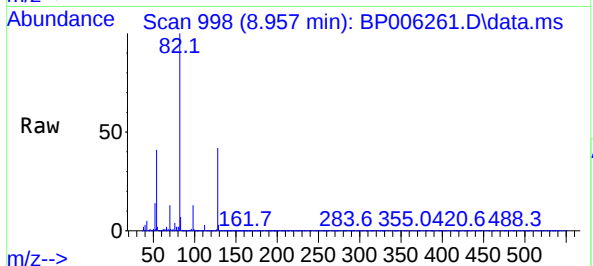




#23  
Nitrobenzene-d5  
Concen: 70.083 ng  
RT: 8.957 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

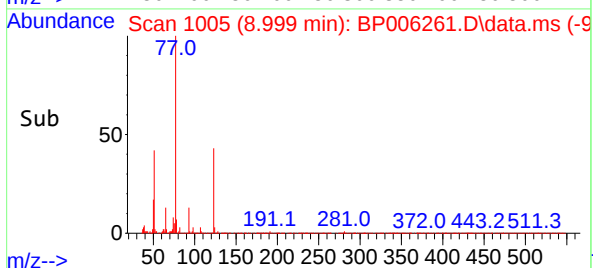
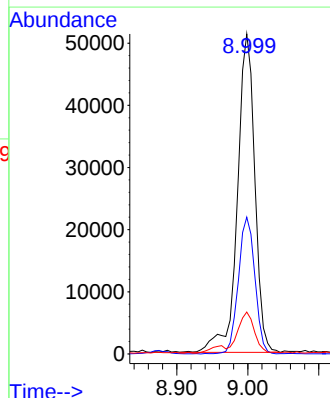
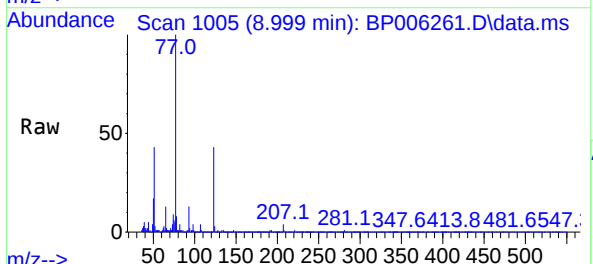
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

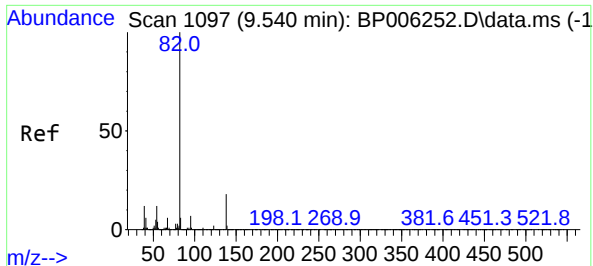
Tgt Ion: 82 Resp: 1309833  
Ion Ratio Lower Upper  
82 100  
128 41.7 35.7 53.5  
54 40.7 35.0 52.4



#24  
Nitrobenzene  
Concen: 4.417 ng  
RT: 8.999 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 77 Resp: 87760  
Ion Ratio Lower Upper  
77 100  
123 42.7 38.2 57.2  
65 13.1 11.4 17.2

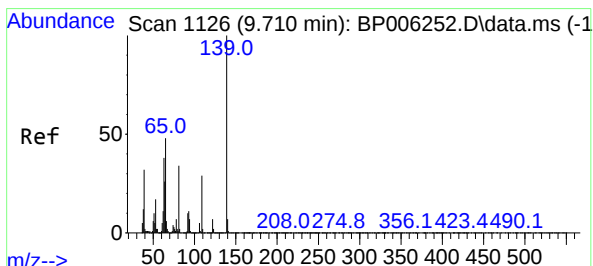
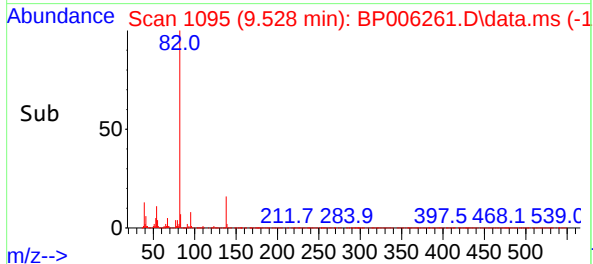
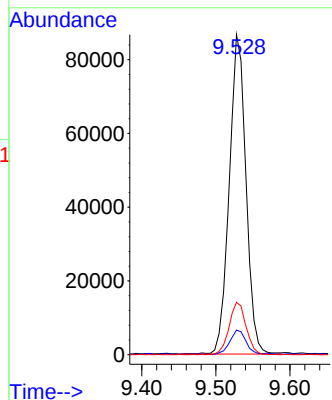
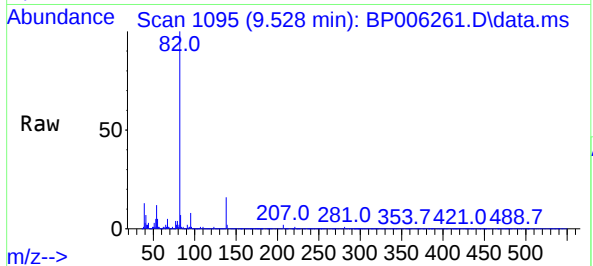




#25  
Isophorone  
Concen: 3.557 ng  
RT: 9.528 min Scan# 1095  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

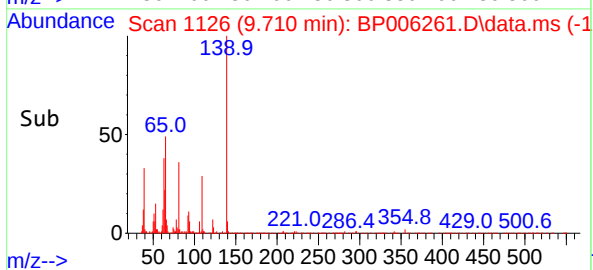
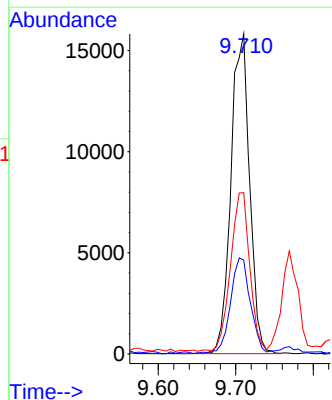
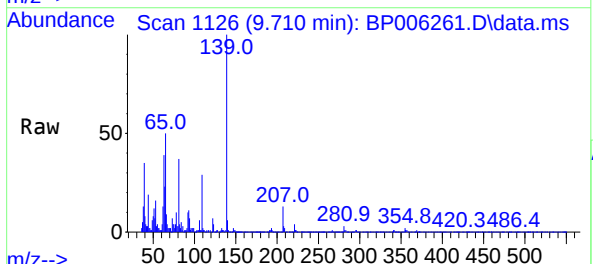
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

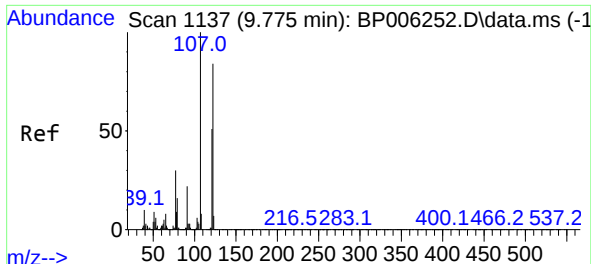
Tgt Ion: 82 Resp: 135618  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.5 9.7  
138 16.3 15.0 22.4



#26  
2-Nitrophenol  
Concen: 3.553 ng  
RT: 9.710 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 139 Resp: 26521  
Ion Ratio Lower Upper  
139 100  
109 29.3 28.8 43.2  
65 50.4 41.0 61.6

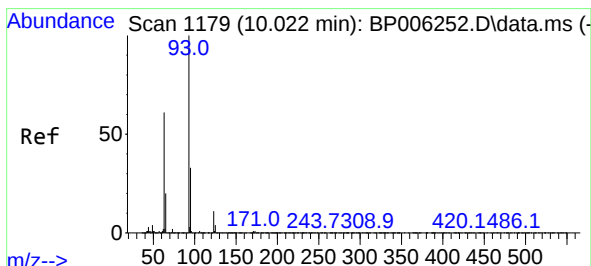
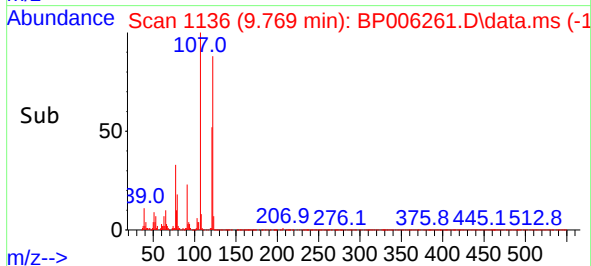
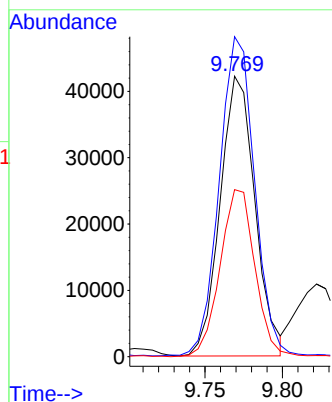
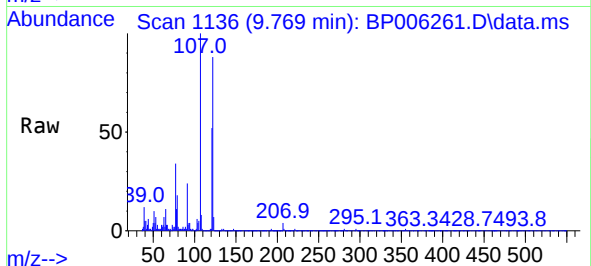




#27  
2,4-Dimethylphenol  
Concen: 4.376 ng  
RT: 9.769 min Scan# 1136  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

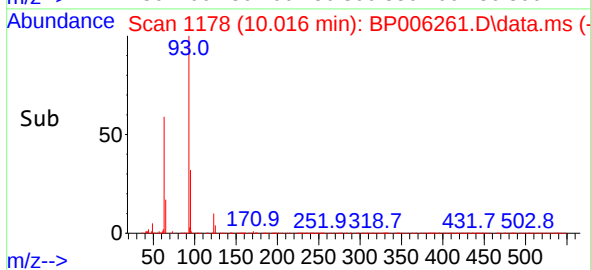
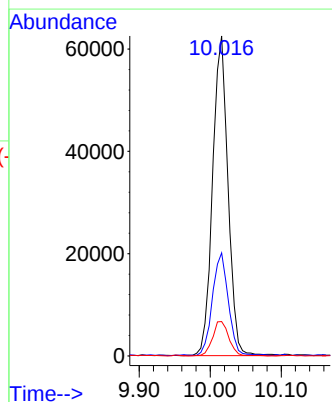
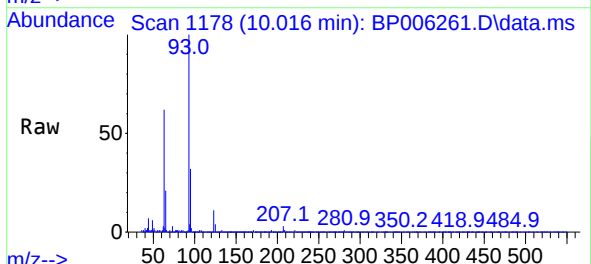
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

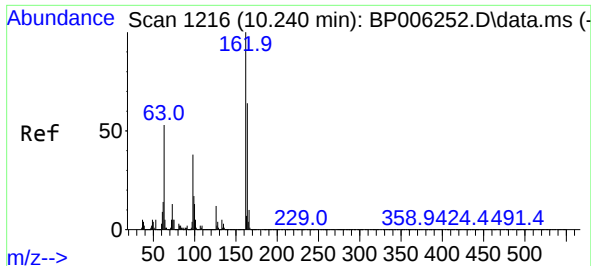
Tgt Ion:122 Resp: 66019  
Ion Ratio Lower Upper  
122 100  
107 114.1 94.5 141.7  
121 59.6 47.4 71.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 4.380 ng  
RT: 10.016 min Scan# 1178  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 93 Resp: 94272  
Ion Ratio Lower Upper  
93 100  
95 32.2 25.9 38.9  
123 10.8 10.2 15.2

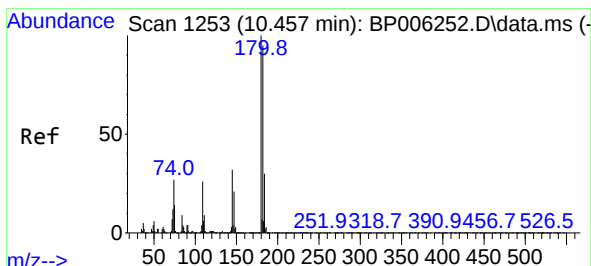
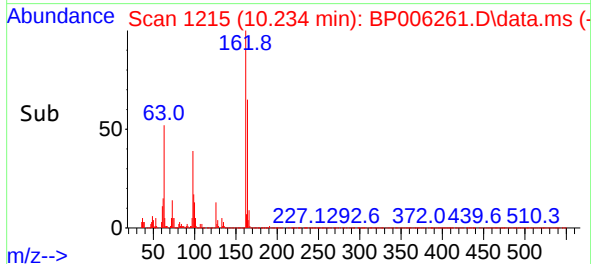
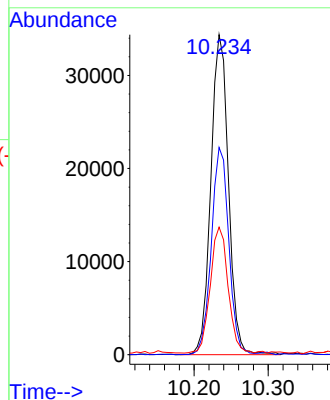
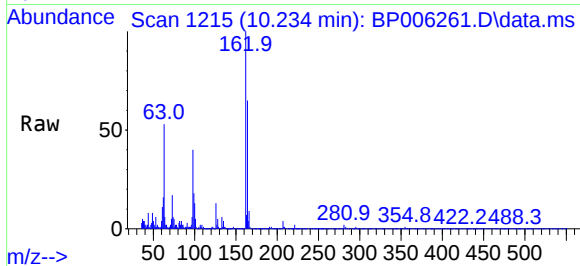




#29  
2,4-Dichlorophenol  
Concen: 3.639 ng  
RT: 10.234 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

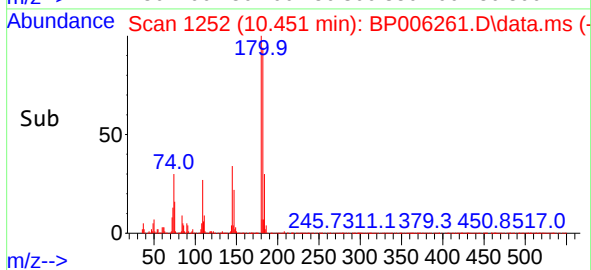
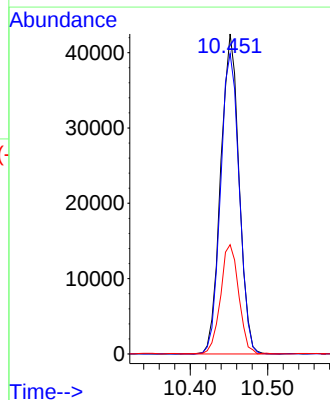
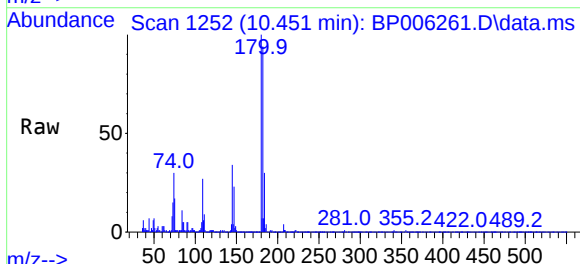
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

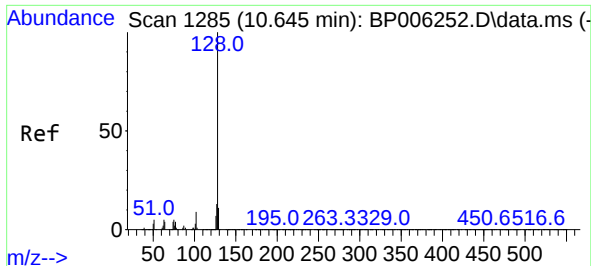
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 56671 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 64.7  | 44.9  | 84.9  |
| 98        | 39.8  | 14.3  | 54.3  |



#30  
1,2,4-Trichlorobenzene  
Concen: 3.967 ng  
RT: 10.451 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 69853 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.9  | 77.9  | 116.9 |
| 145       | 34.2  | 24.7  | 37.1  |

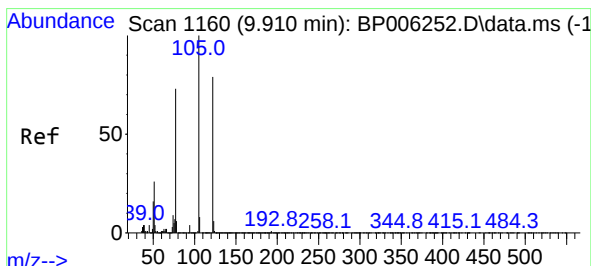
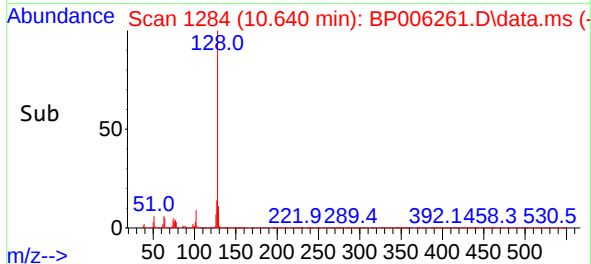
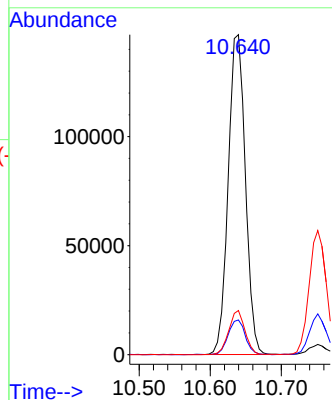
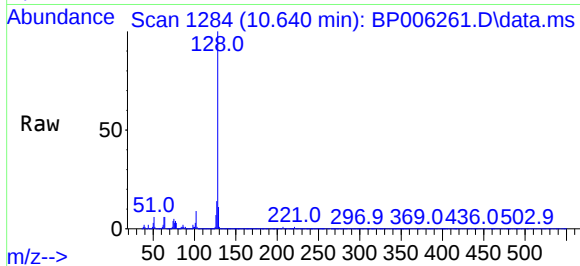




#31  
Naphthalene  
Concen: 4.165 ng  
RT: 10.640 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

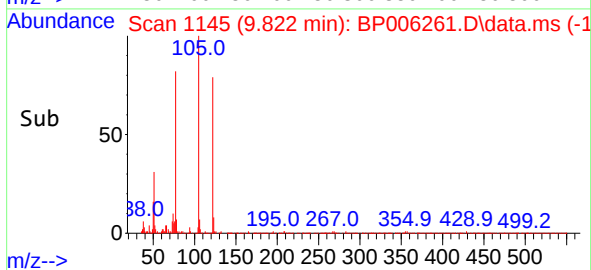
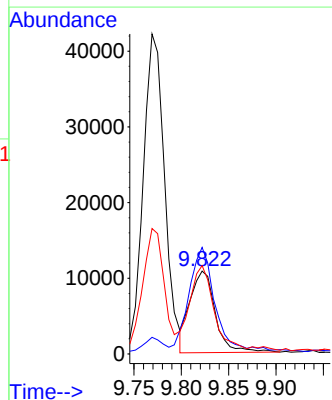
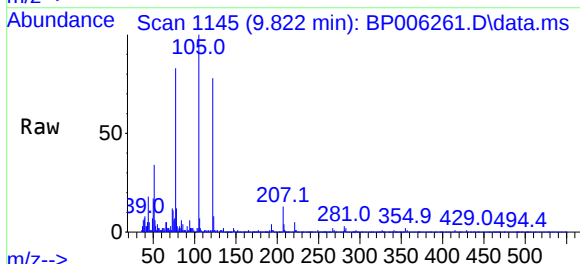
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

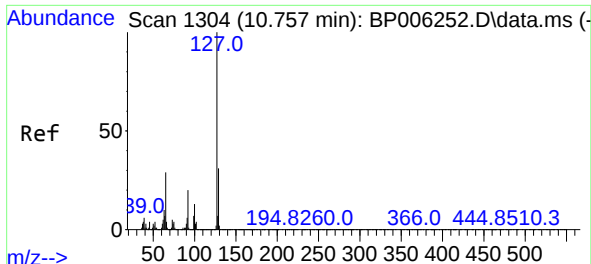
Tgt Ion:128 Resp: 246064  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.0 13.6  
127 13.8 10.7 16.1



#32  
Benzoic acid  
Concen: 2.158 ng  
RT: 9.822 min Scan# 1145  
Delta R.T. -0.088 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:122 Resp: 20205  
Ion Ratio Lower Upper  
122 100  
105 128.5 103.2 143.2  
77 106.4 76.2 116.2

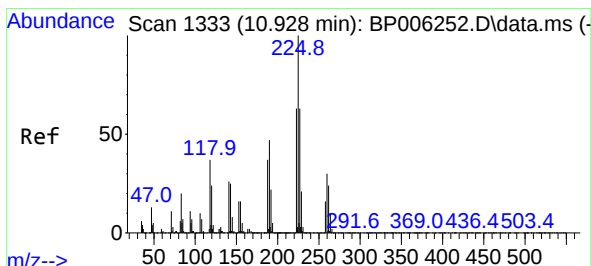
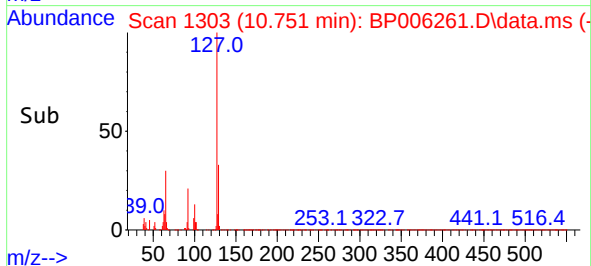
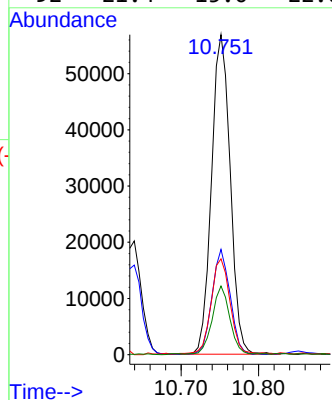
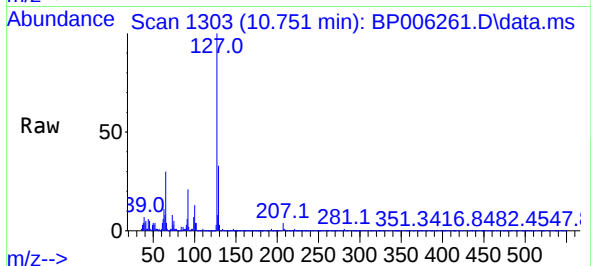




#33  
4-Chloroaniline  
Concen: 3.970 ng  
RT: 10.751 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

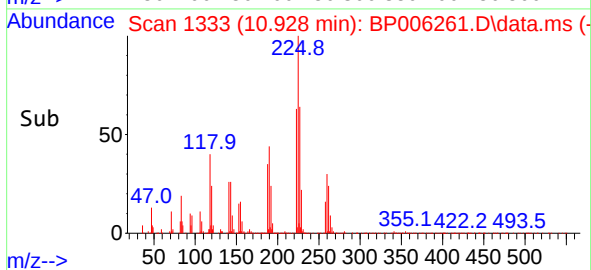
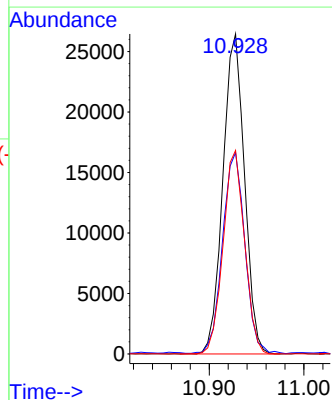
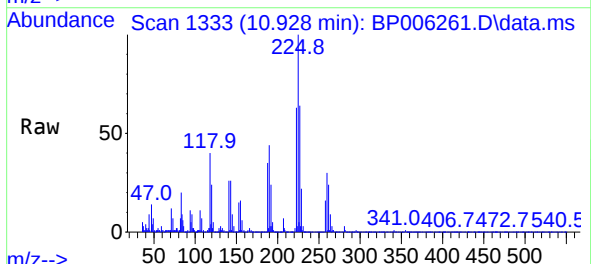
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

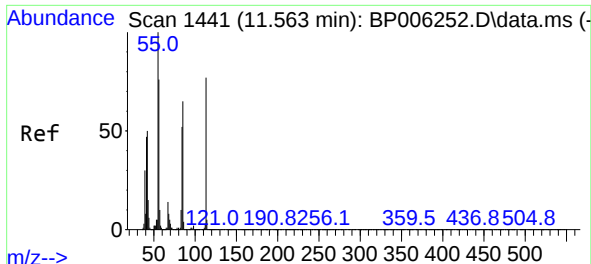
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 95465 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.9  | 26.1  | 39.1  |
| 65       | 29.9  | 22.5  | 33.7  |
| 92       | 21.4  | 15.0  | 22.6  |



#34  
Hexachlorobutadiene  
Concen: 4.014 ng  
RT: 10.928 min Scan# 1333  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 41908 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.9  | 51.0  | 76.6  |
| 227      | 63.6  | 51.4  | 77.2  |

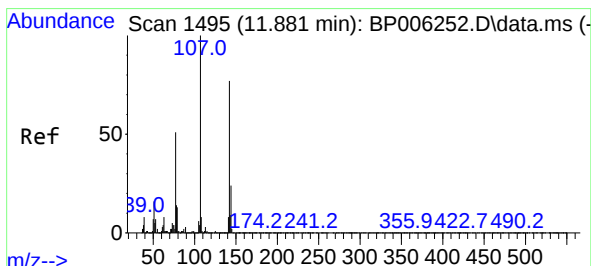
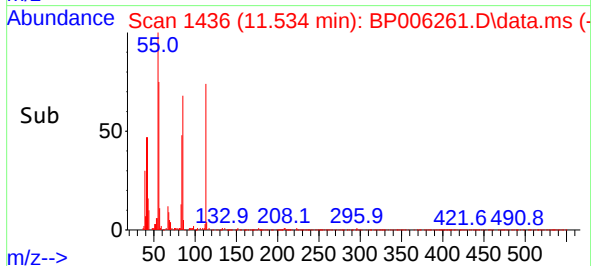
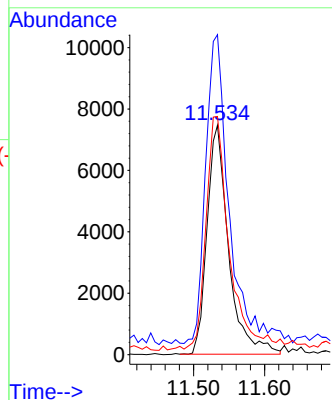
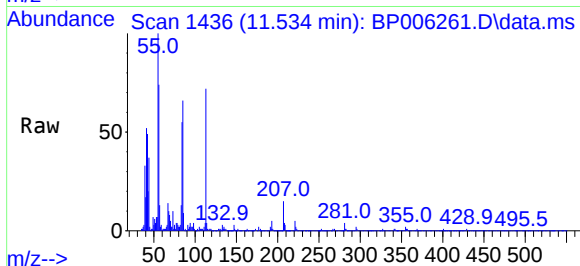




#35  
Caprolactam  
Concen: 3.357 ng  
RT: 11.534 min Scan# 1436  
Delta R.T. -0.029 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

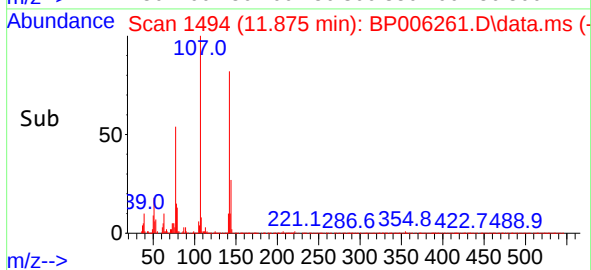
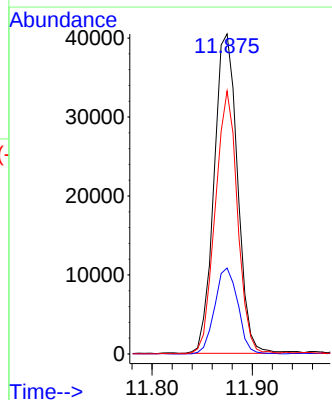
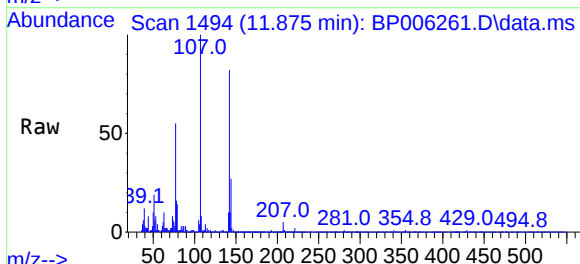
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

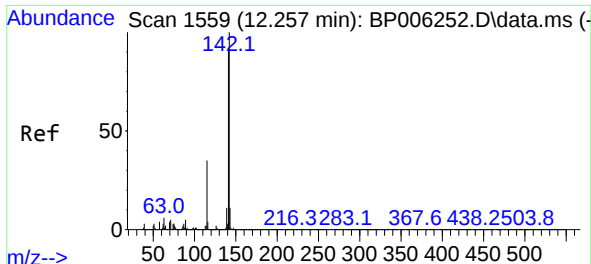
Tgt Ion:113 Resp: 15731  
Ion Ratio Lower Upper  
113 100  
55 139.5 98.9 138.9#  
56 103.8 71.7 111.7



#36  
4-Chloro-3-methylphenol  
Concen: 3.625 ng  
RT: 11.875 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:107 Resp: 65706  
Ion Ratio Lower Upper  
107 100  
144 26.8 21.1 31.7  
142 82.2 66.0 99.0

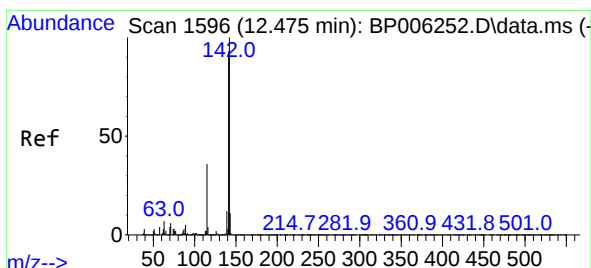
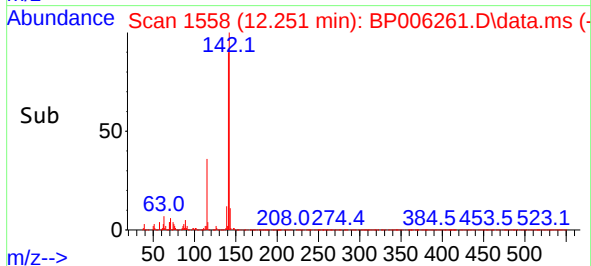
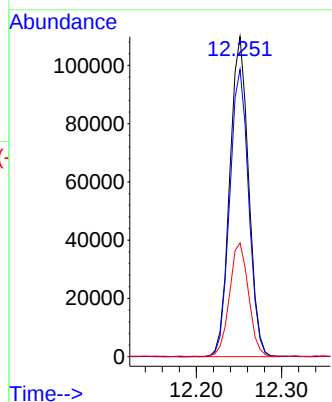
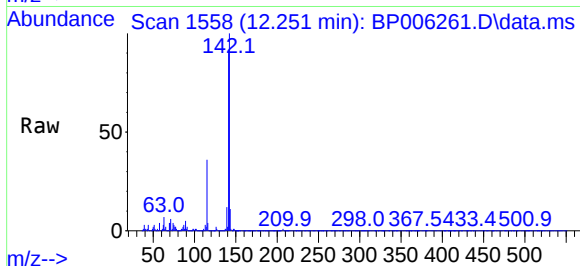




#37  
2-Methylnaphthalene  
Concen: 4.082 ng  
RT: 12.251 min Scan# 1558  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

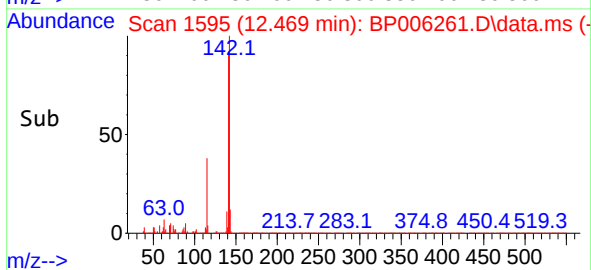
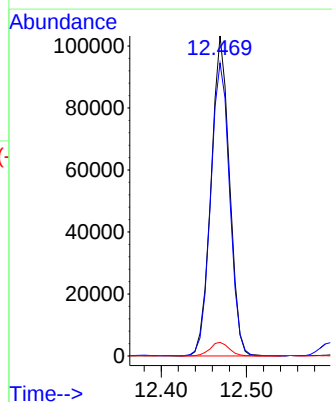
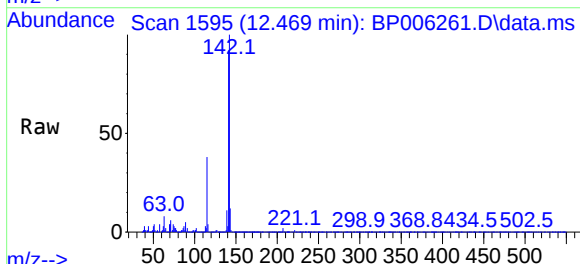
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

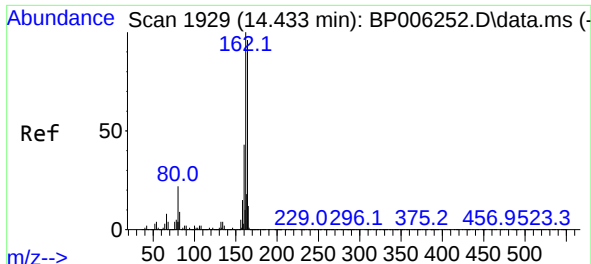
Tgt Ion:142 Resp: 168390  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.8 107.6  
115 35.5 31.6 47.4



#38  
1-Methylnaphthalene  
Concen: 3.971 ng  
RT: 12.469 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:142 Resp: 154927  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.3 109.9  
116 4.2 3.5 5.3

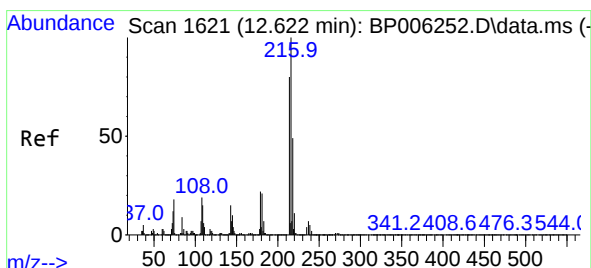
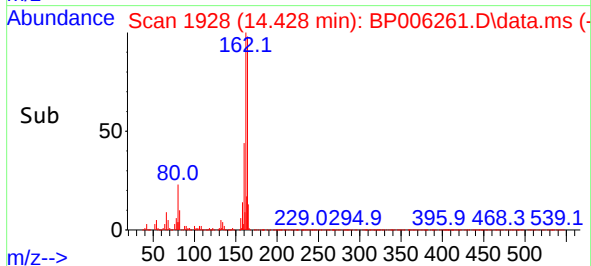
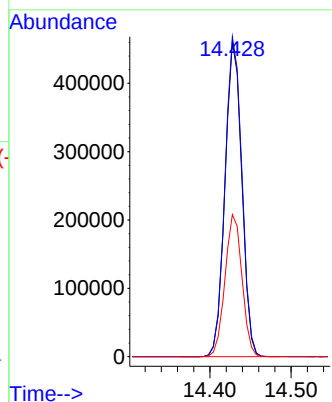
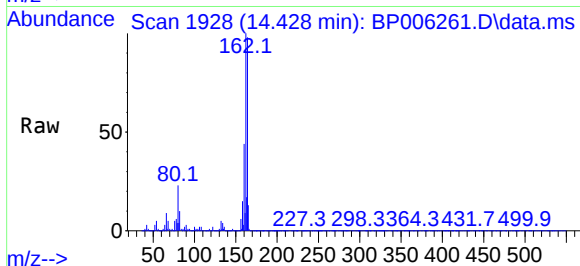




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.428 min Scan# 1928  
Delta R.T. -0.005 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

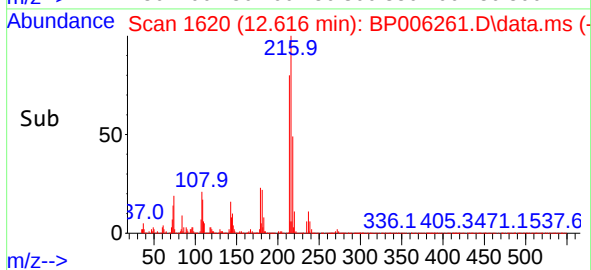
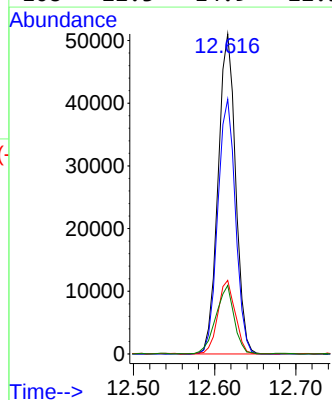
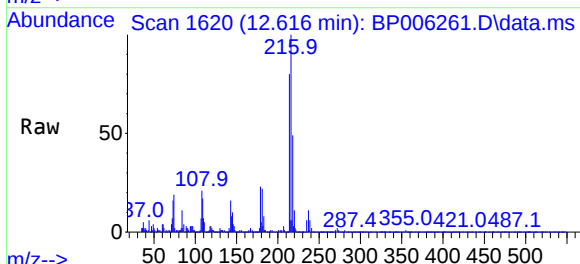
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

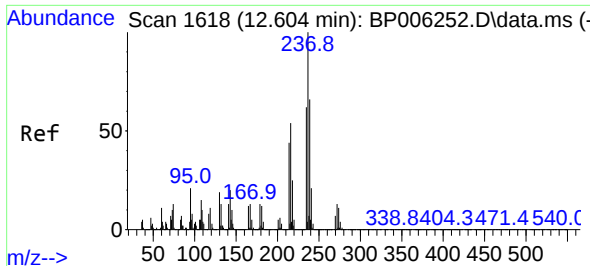
Tgt Ion:164 Resp: 661538  
Ion Ratio Lower Upper  
164 100  
162 101.6 80.2 120.2  
160 45.1 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.273 ng  
RT: 12.616 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:216 Resp: 76568  
Ion Ratio Lower Upper  
216 100  
214 80.4 61.9 92.9  
179 22.5 16.8 25.2  
108 22.3 14.9 22.3

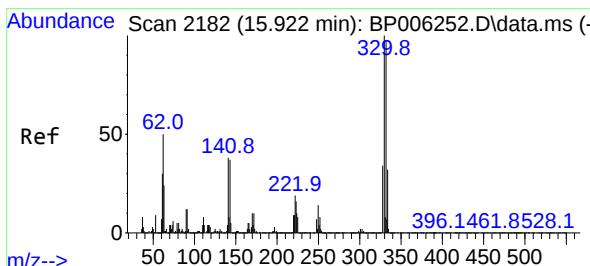
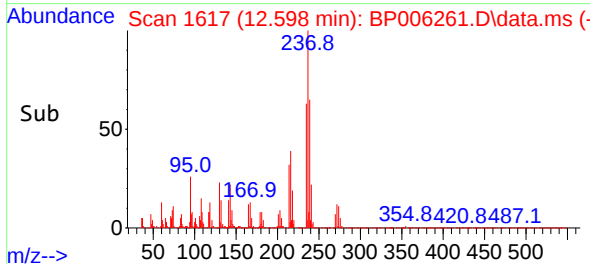
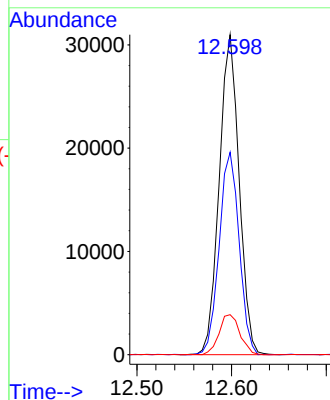
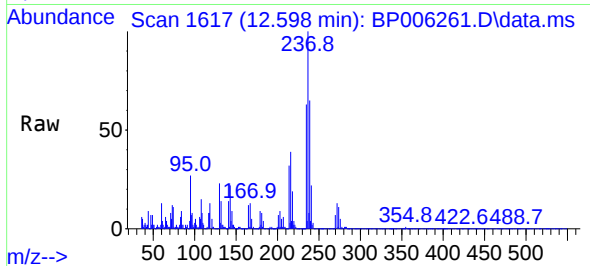




#41  
Hexachlorocyclopentadiene  
Concen: 4.611 ng  
RT: 12.598 min Scan# 1617  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

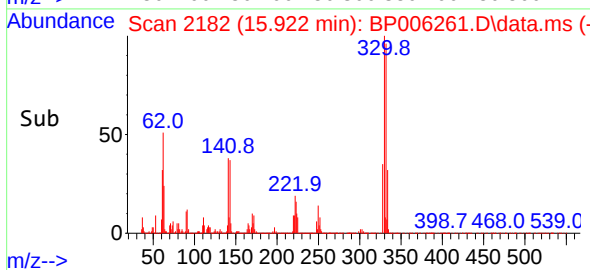
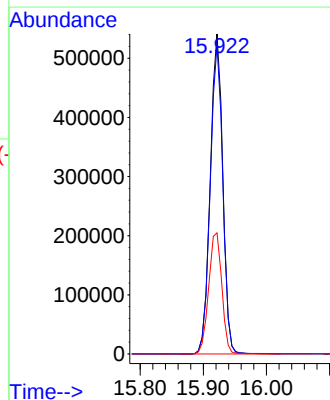
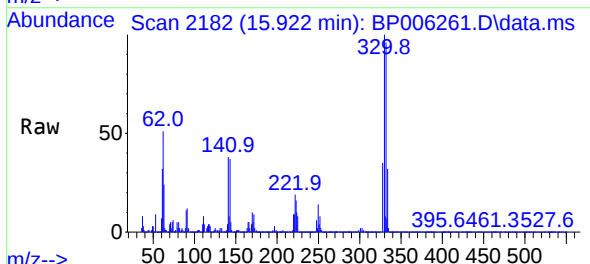
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

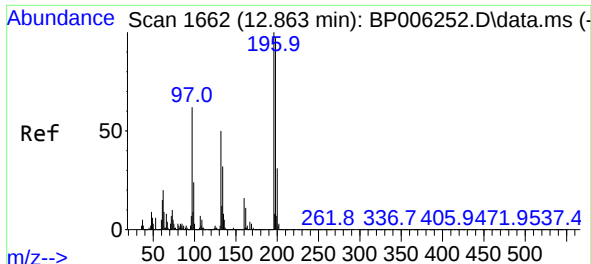
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 45240 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 63.3  | 44.5  | 84.5  |
| 272      | 12.5  | 0.0   | 32.5  |



#42  
2,4,6-Tribromophenol  
Concen: 109.456 ng  
RT: 15.922 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 745340 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.0  | 77.8  | 116.8  |
| 141      | 39.6  | 25.4  | 38.2   |

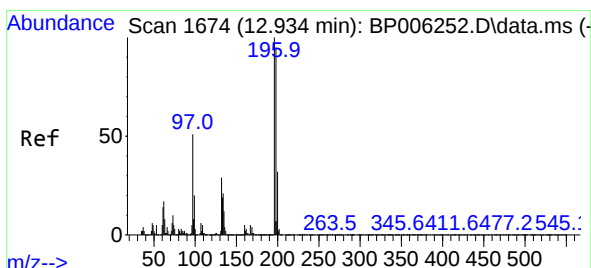
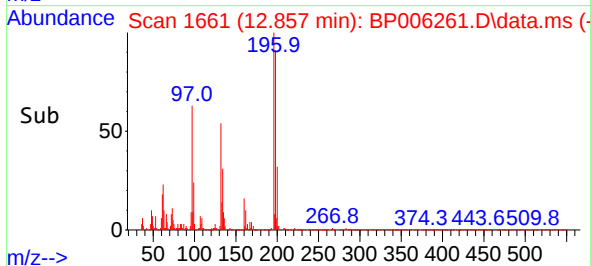
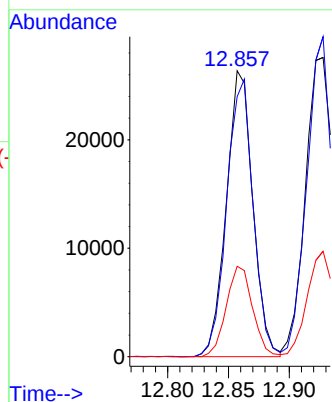
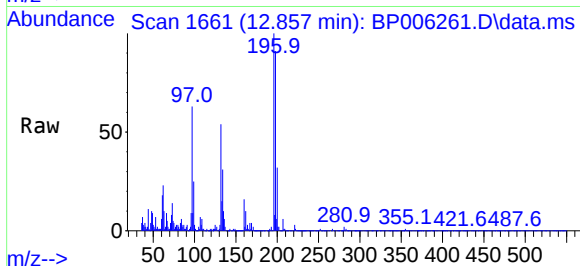




#43  
2,4,6-Trichlorophenol  
Concen: 3.551 ng  
RT: 12.857 min Scan# 1661  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

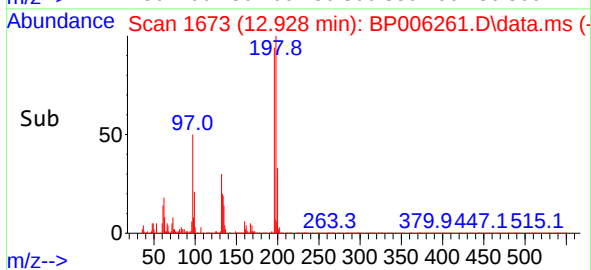
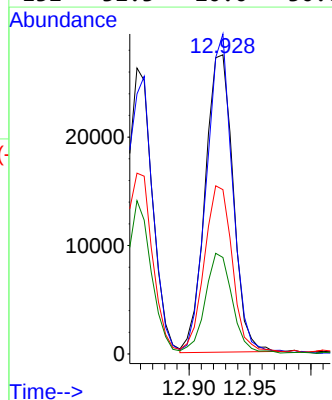
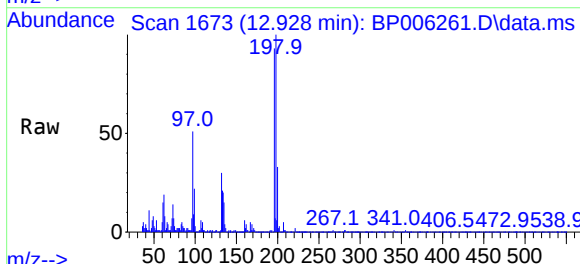
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

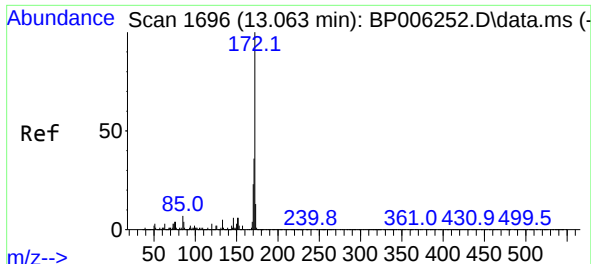
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 39912      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 90.9  | 79.5 119.3 |
| 200         | 31.6  | 25.0 37.6  |



#44  
2,4,5-Trichlorophenol  
Concen: 3.637 ng  
RT: 12.928 min Scan# 1673  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 43916      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 107.0 | 74.7 112.1 |
| 97          | 54.9  | 37.4 56.0  |
| 132         | 32.3  | 20.0 30.0# |

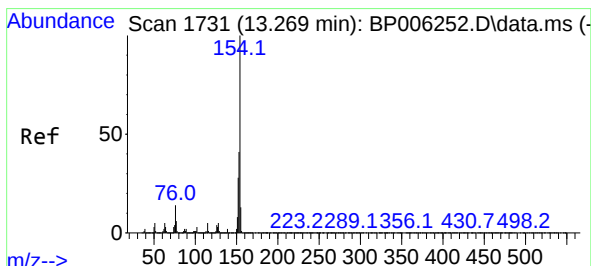
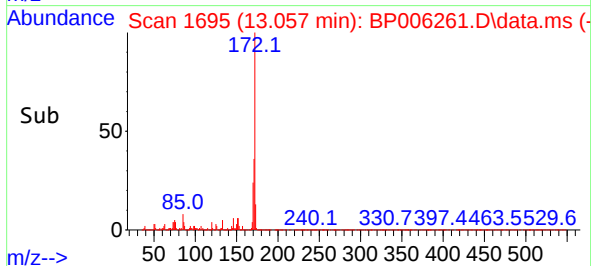
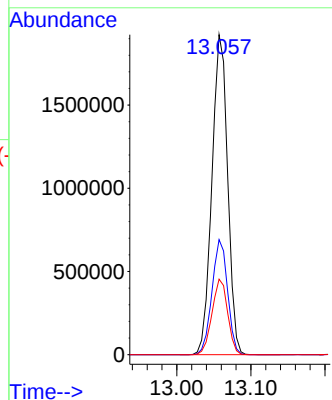
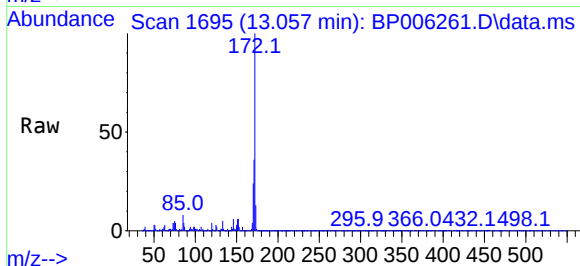




#45  
2-Fluorobiphenyl  
Concen: 65.064 ng  
RT: 13.057 min Scan# 1695  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

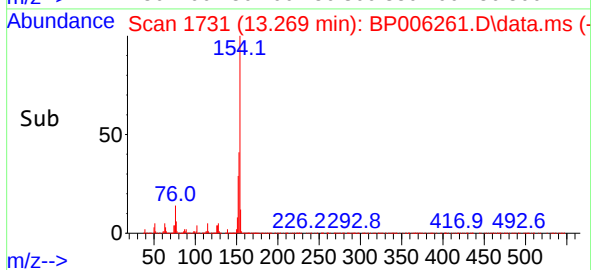
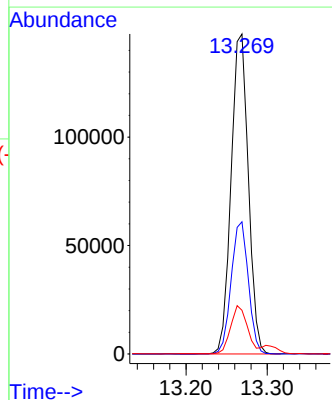
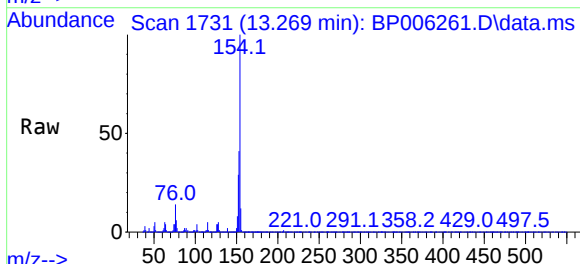
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

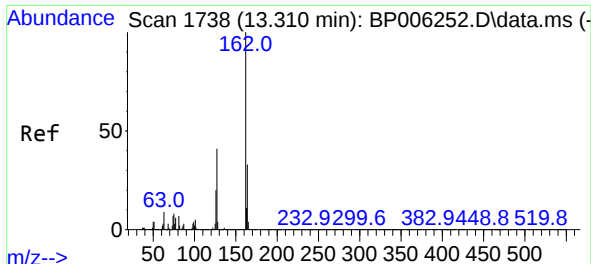
Tgt Ion:172 Resp: 2827756  
Ion Ratio Lower Upper  
172 100  
171 35.9 27.9 41.9  
170 23.6 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 4.448 ng  
RT: 13.269 min Scan# 1731  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:154 Resp: 216904  
Ion Ratio Lower Upper  
154 100  
153 41.3 20.4 60.4  
76 13.7 0.0 30.8

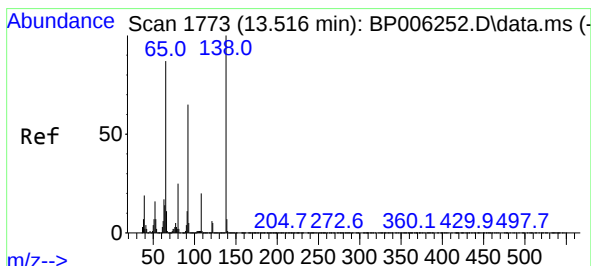
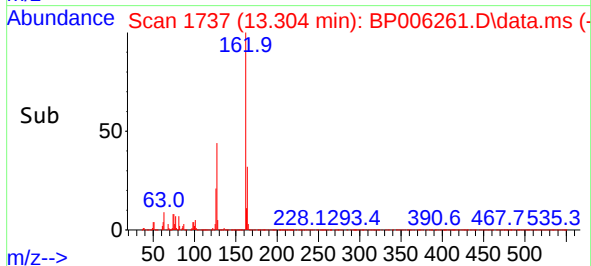
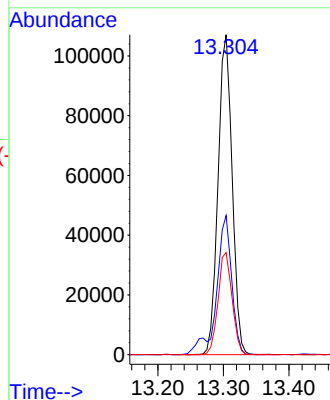
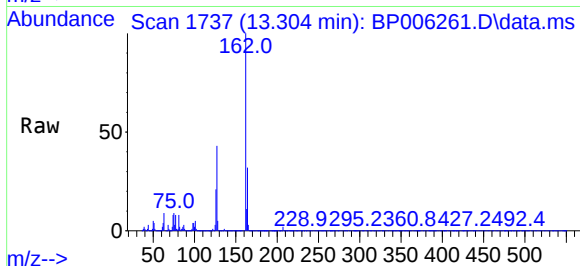




#47  
2-Chloronaphthalene  
Concen: 4.241 ng  
RT: 13.304 min Scan# 1737  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

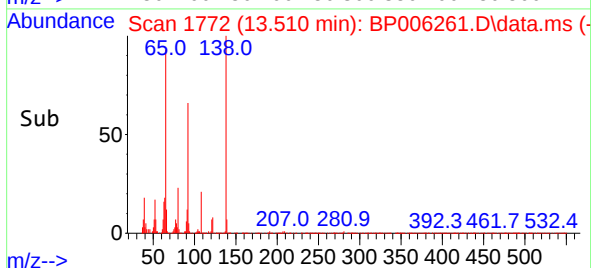
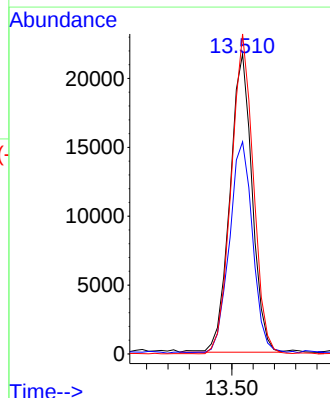
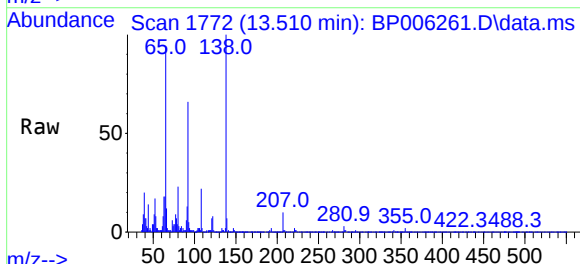
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

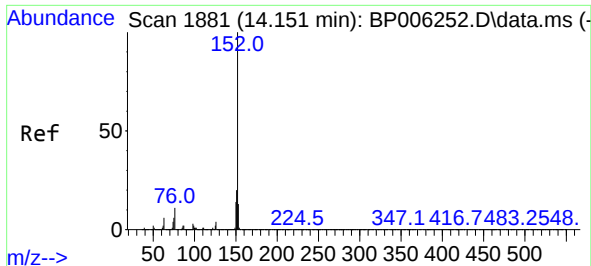
Tgt Ion:162 Resp: 159220  
Ion Ratio Lower Upper  
162 100  
127 43.5 31.4 47.0  
164 31.9 26.6 39.8



#48  
2-Nitroaniline  
Concen: 3.568 ng  
RT: 13.510 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion: 65 Resp: 31478  
Ion Ratio Lower Upper  
65 100  
92 70.7 57.7 86.5  
138 106.7 92.1 138.1

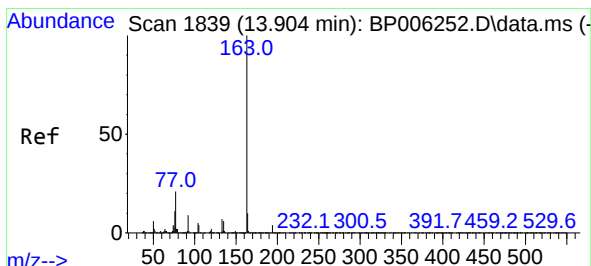
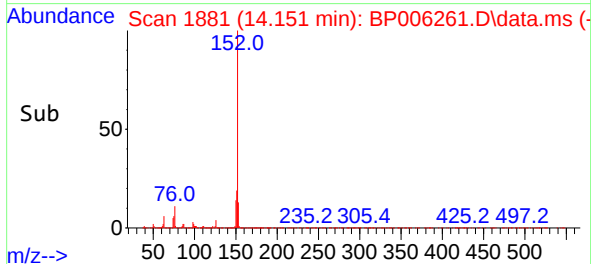
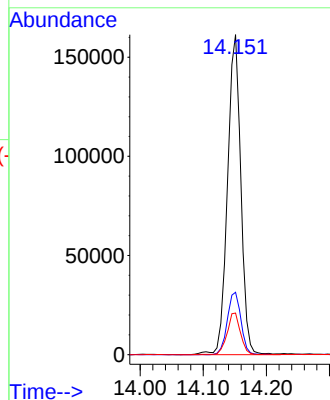
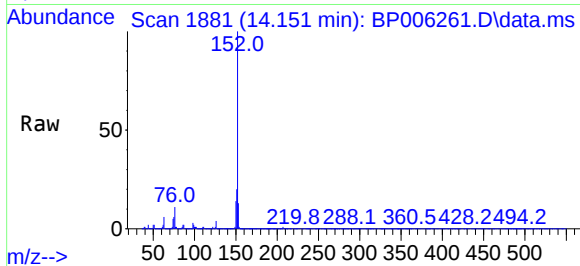




#49  
Acenaphthylene  
Concen: 3.944 ng  
RT: 14.151 min Scan# 1881  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

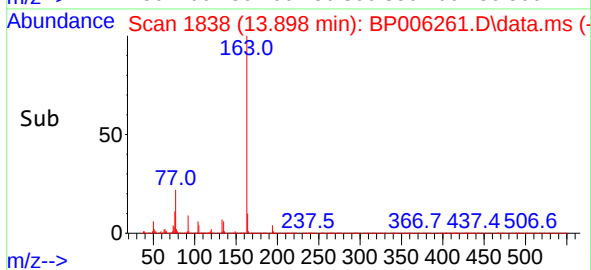
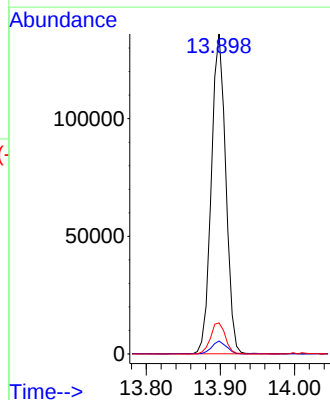
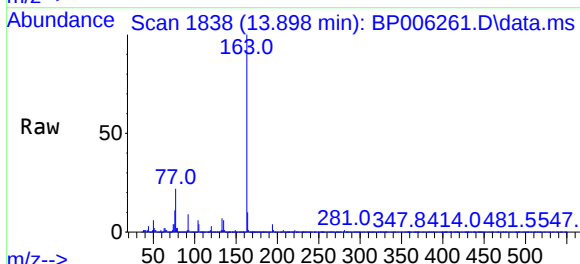
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

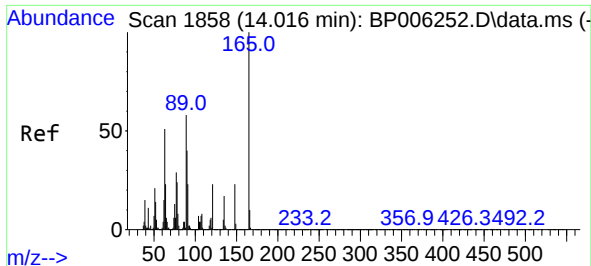
Tgt Ion:152 Resp: 235724  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.2 24.2  
153 13.0 10.6 16.0



#50  
Dimethylphthalate  
Concen: 3.956 ng  
RT: 13.898 min Scan# 1838  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:163 Resp: 183633  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.2  
164 9.7 8.2 12.2

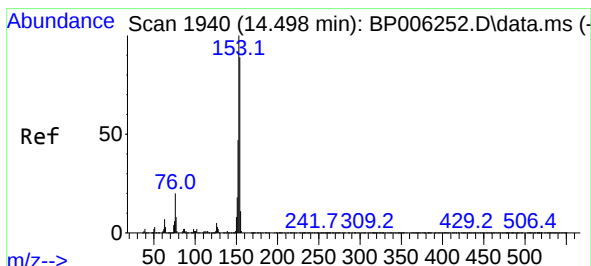
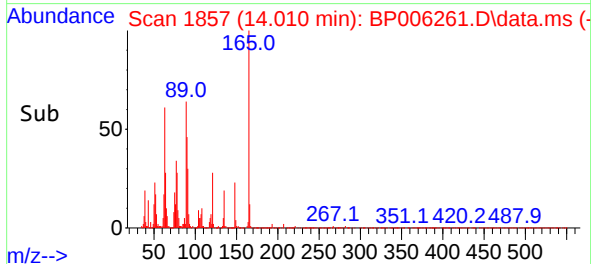
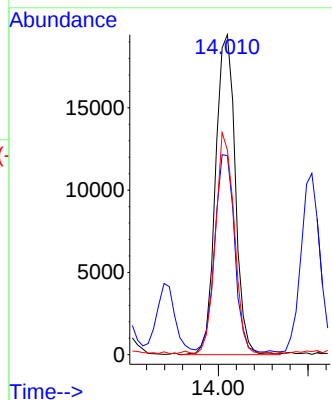
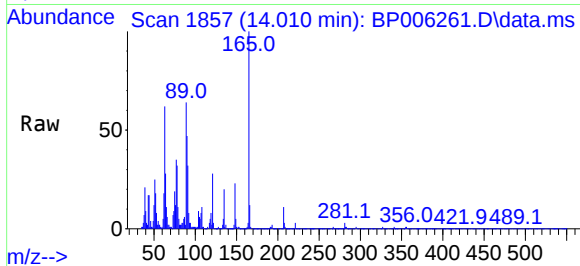




#51  
2,6-Dinitrotoluene  
Concen: 3.256 ng  
RT: 14.010 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

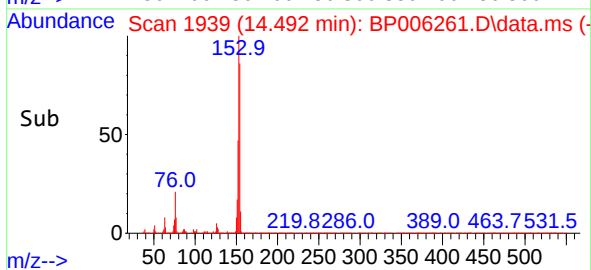
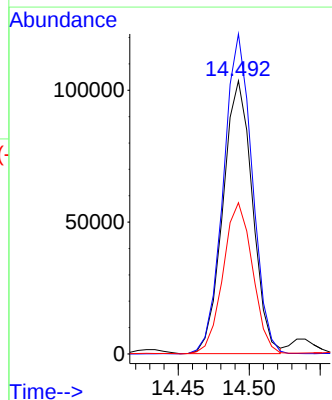
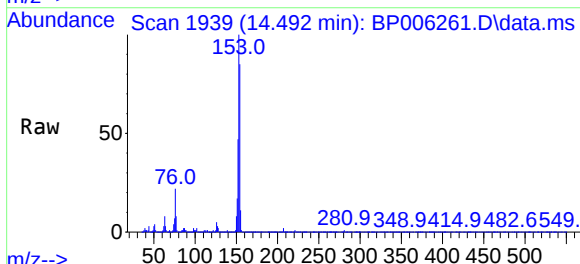
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

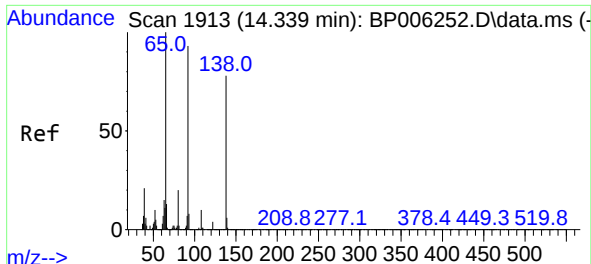
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 29663 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 62.2  | 41.3  | 61.9# |
| 89        | 64.0  | 44.8  | 67.2  |



#52  
Acenaphthene  
Concen: 4.054 ng  
RT: 14.492 min Scan# 1939  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 149785 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 117.1 | 89.4  | 134.2  |
| 152       | 55.3  | 43.0  | 64.4   |

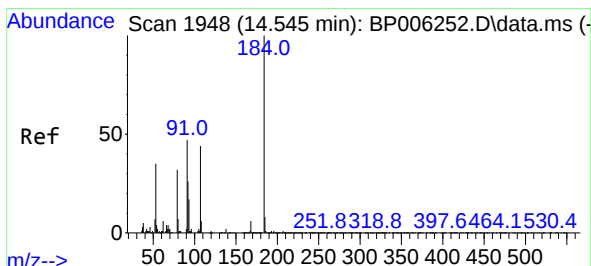
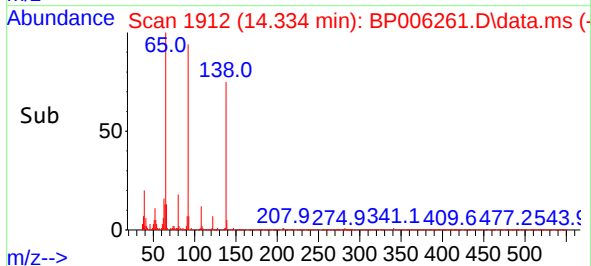
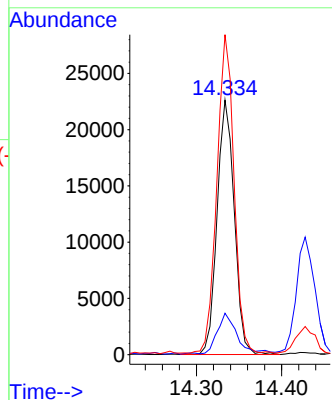
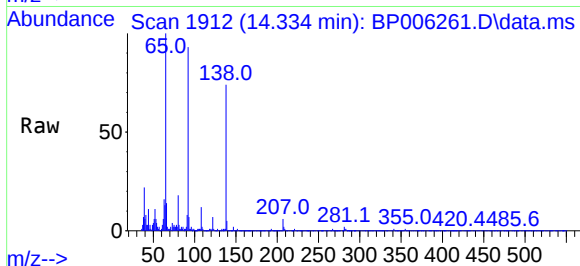




#53  
3-Nitroaniline  
Concen: 3.285 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. -0.005 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

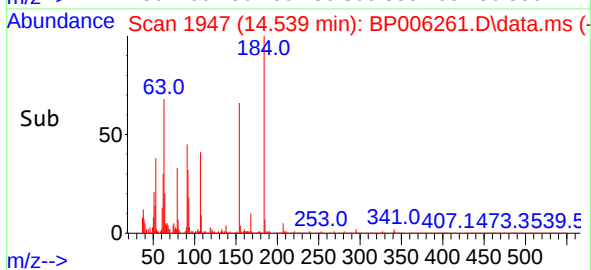
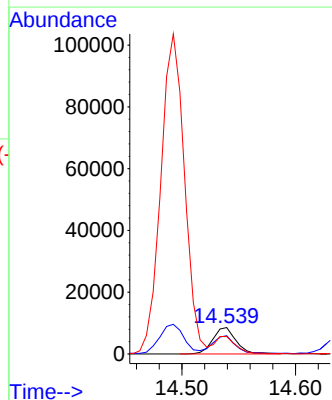
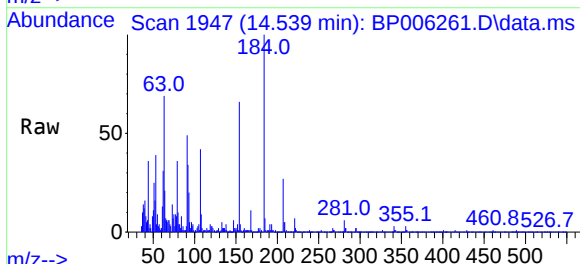
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

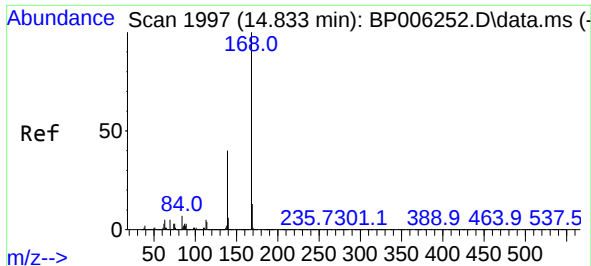
Tgt Ion:138 Resp: 31711  
Ion Ratio Lower Upper  
138 100  
108 16.3 8.4 12.6#  
92 125.7 87.8 131.8



#54  
2,4-Dinitrophenol  
Concen: 3.131 ng  
RT: 14.539 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:184 Resp: 12099  
Ion Ratio Lower Upper  
184 100  
63 69.2 47.0 70.6  
154 66.5 52.3 78.5

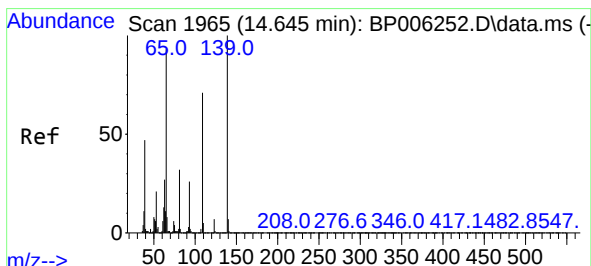
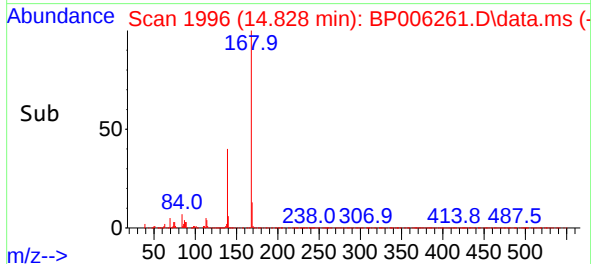
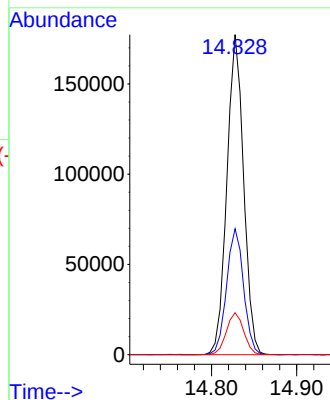
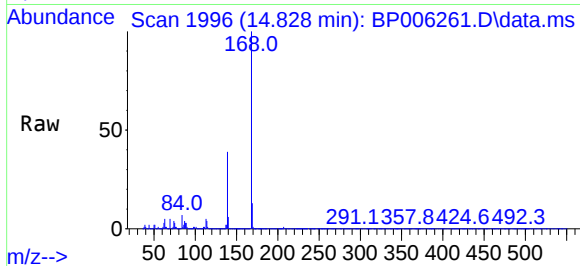




#55  
Dibenzofuran  
Concen: 4.140 ng  
RT: 14.828 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

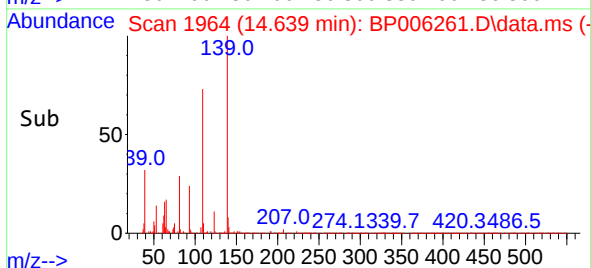
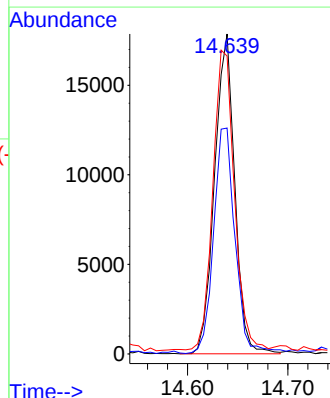
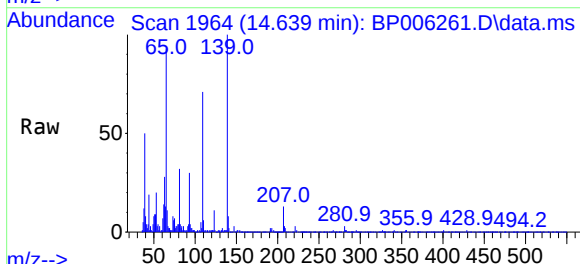
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

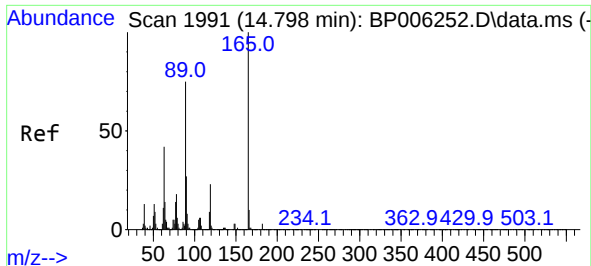
Tgt Ion:168 Resp: 241500  
Ion Ratio Lower Upper  
168 100  
139 39.4 31.0 46.6  
169 13.1 10.8 16.2



#56  
4-Nitrophenol  
Concen: 2.912 ng  
RT: 14.639 min Scan# 1964  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:139 Resp: 24942  
Ion Ratio Lower Upper  
139 100  
109 70.6 72.3 112.3#  
65 93.1 72.5 112.5

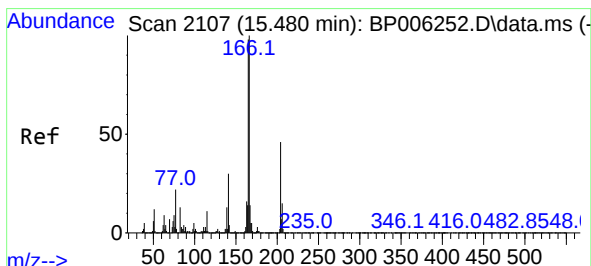
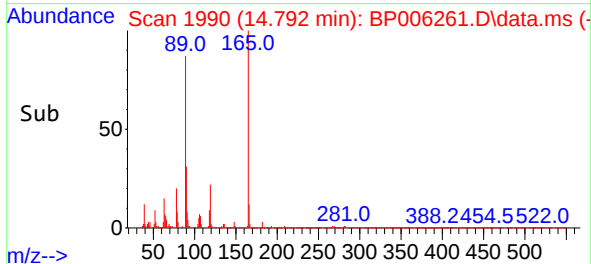
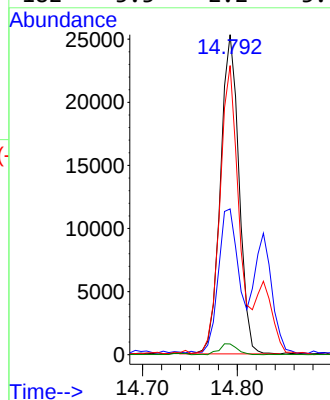
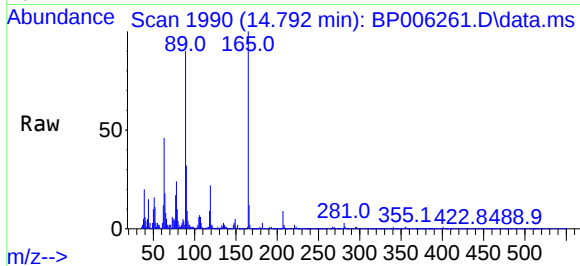




#57  
2,4-Dinitrotoluene  
Concen: 2.932 ng  
RT: 14.792 min Scan# 1990  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

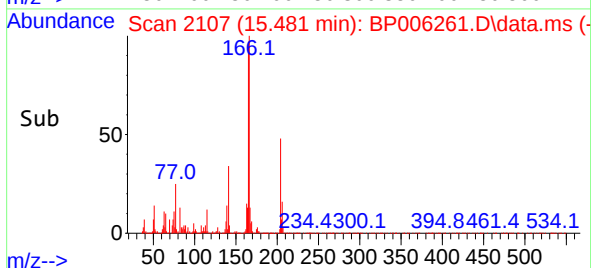
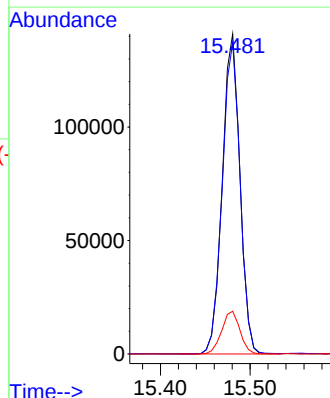
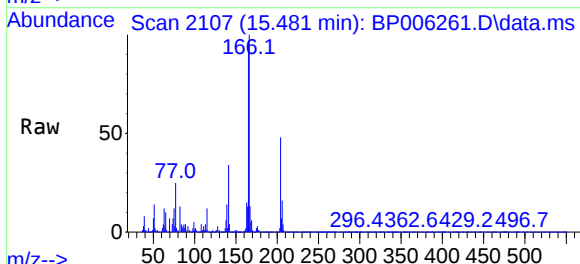
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

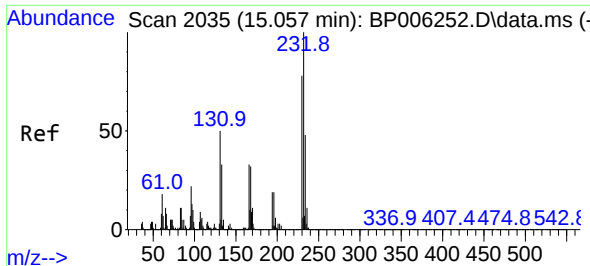
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 34467      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 45.6  | 32.3 48.5  |
| 89          | 90.3  | 55.9 83.9# |
| 182         | 3.3   | 2.2 3.4    |



#58  
Fluorene  
Concen: 4.112 ng  
RT: 15.481 min Scan# 2107  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 192152     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 97.3  | 78.0 117.0 |
| 167         | 13.3  | 10.5 15.7  |

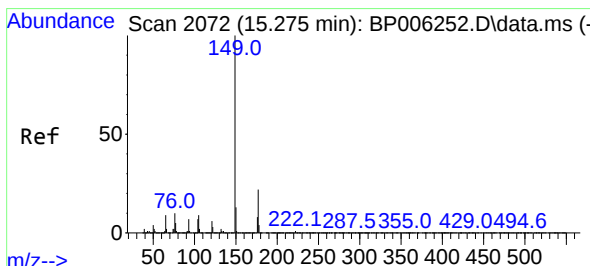
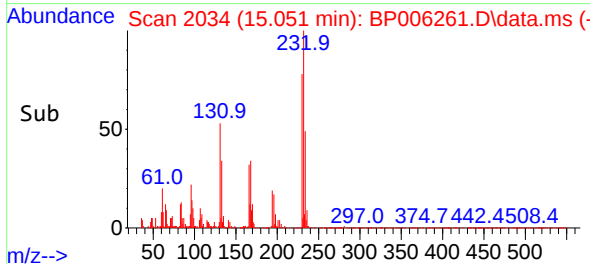
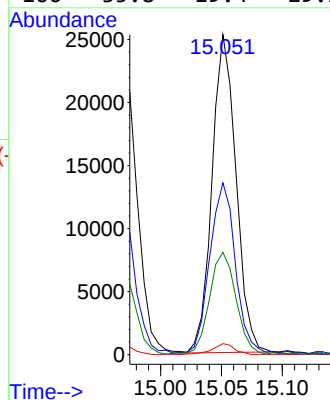
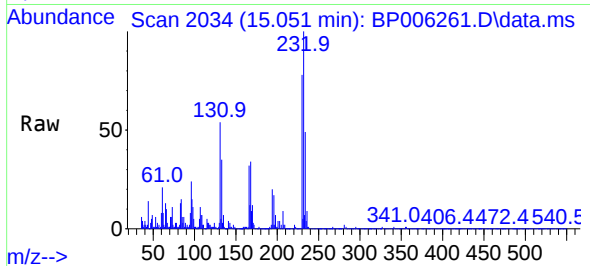




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.306 ng  
RT: 15.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

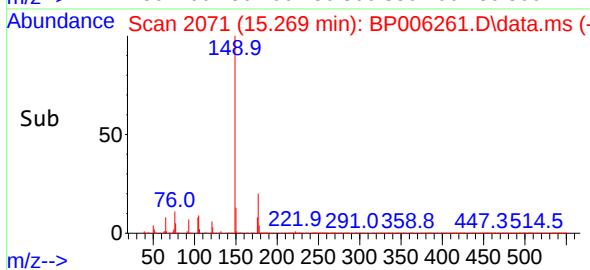
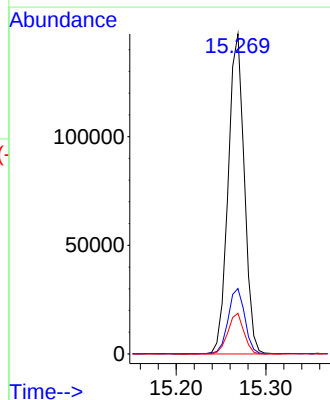
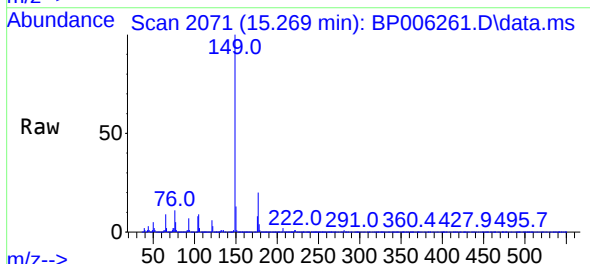
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

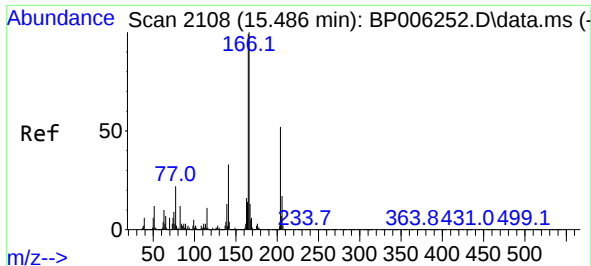
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:232 | Resp: | 34568      |
| Ion Ratio   | Lower | Upper      |
| 232         | 100   |            |
| 131         | 58.0  | 32.2 48.4# |
| 130         | 3.4   | 2.0 3.0#   |
| 166         | 35.8  | 19.4 29.2# |



#60  
Diethylphthalate  
Concen: 3.839 ng  
RT: 15.269 min Scan# 2071  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 183929    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 20.5  | 17.5 26.3 |
| 150         | 12.7  | 9.9 14.9  |

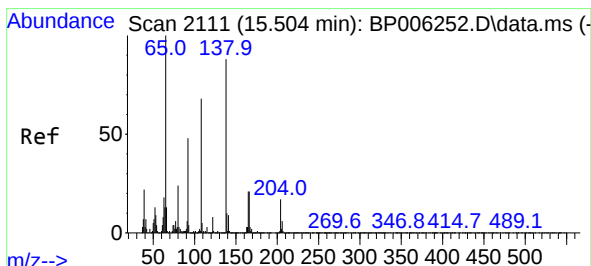
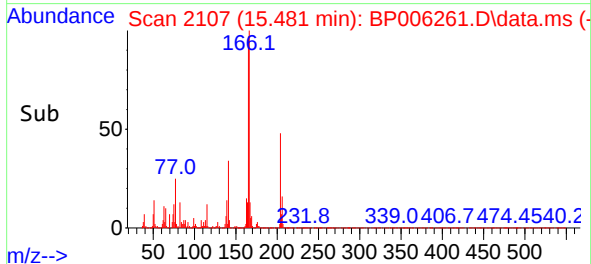
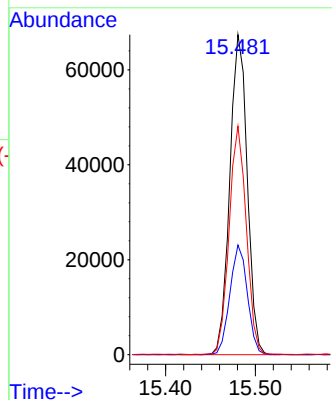
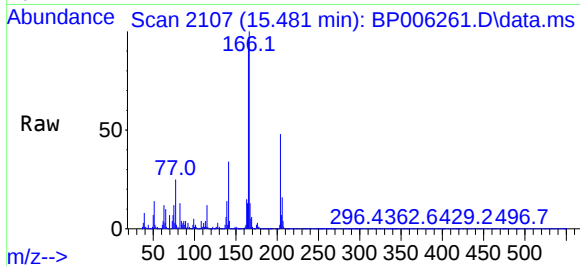




#61  
4-Chlorophenyl-phenylether  
Concen: 4.113 ng  
RT: 15.481 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

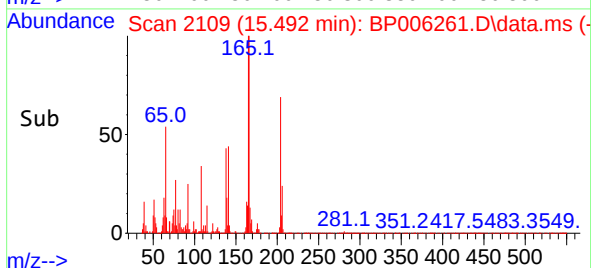
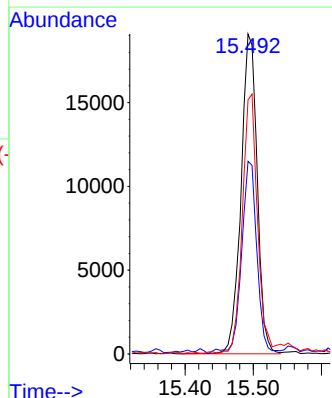
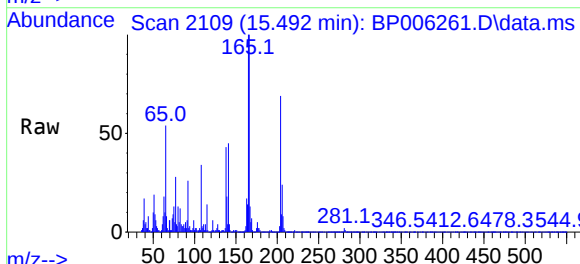
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

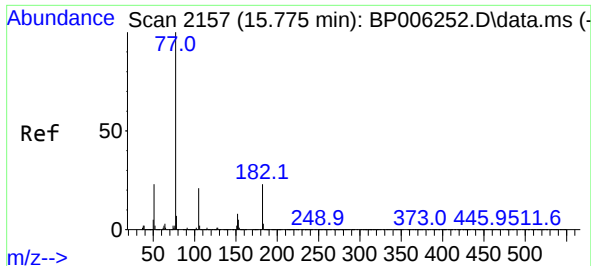
Tgt Ion:204 Resp: 90901  
Ion Ratio Lower Upper  
204 100  
206 34.3 26.6 40.0  
141 71.4 48.6 73.0



#62  
4-Nitroaniline  
Concen: 3.119 ng  
RT: 15.492 min Scan# 2109  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:138 Resp: 31446  
Ion Ratio Lower Upper  
138 100  
92 60.2 31.2 71.2  
108 79.4 78.6 118.6

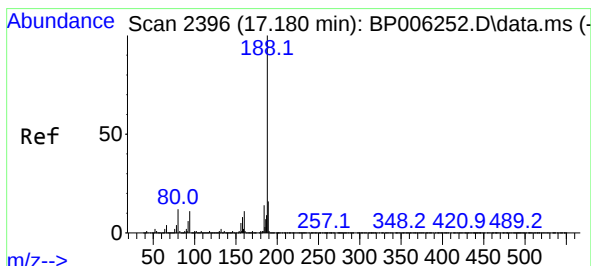
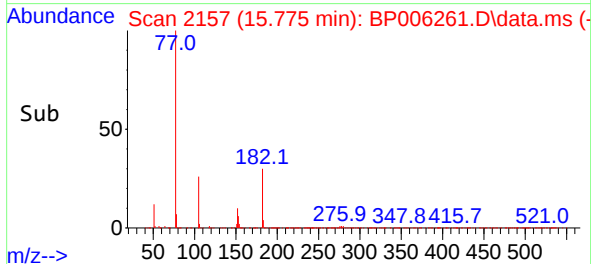
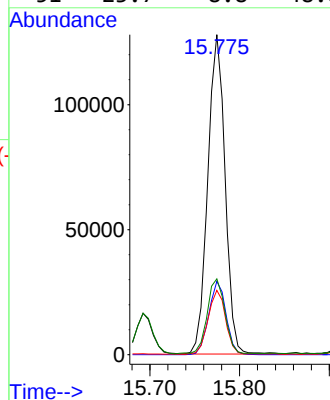
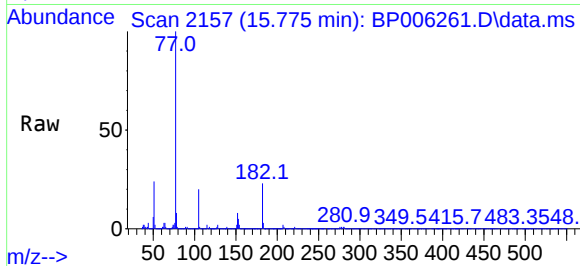




#63  
Azobenzene  
Concen: 3.548 ng  
RT: 15.775 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

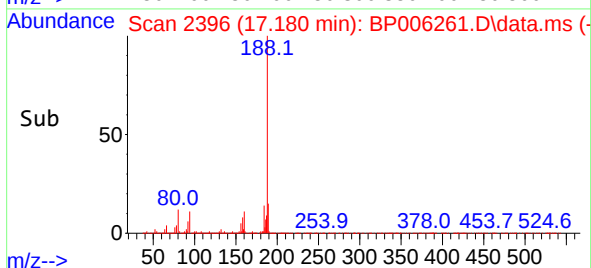
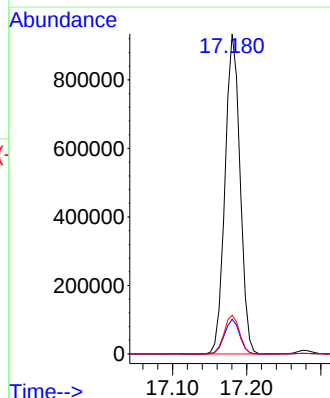
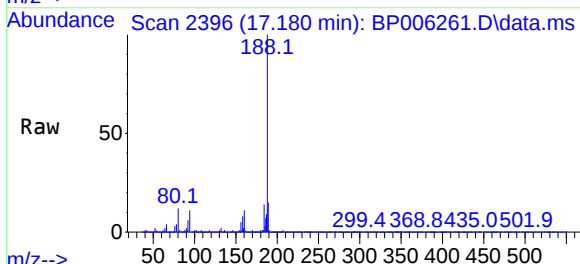
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

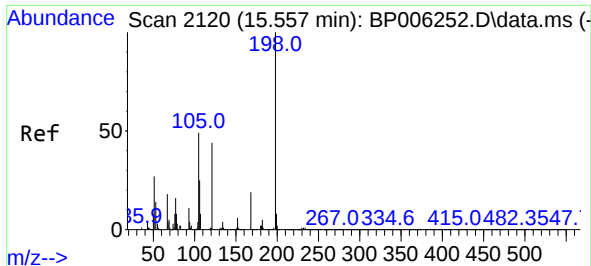
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 171141 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 22.9    | 6.0 46.0     |
| 105 20.1    | 0.0 38.8     |
| 51 23.7     | 8.8 48.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.180 min Scan# 2396  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |               |
|-------------|---------------|
| Tgt Ion:188 | Resp: 1312351 |
| Ion Ratio   | Lower Upper   |
| 188 100     |               |
| 94 10.9     | 5.6 8.4#      |
| 80 12.1     | 6.3 9.5#      |

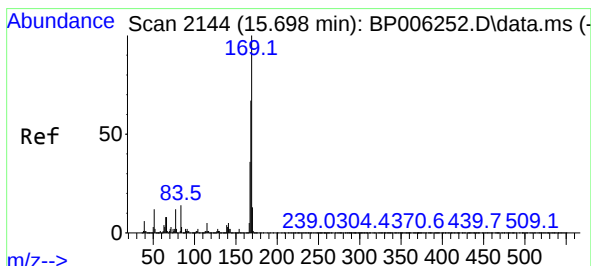
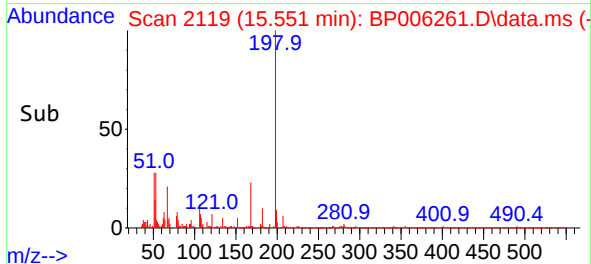
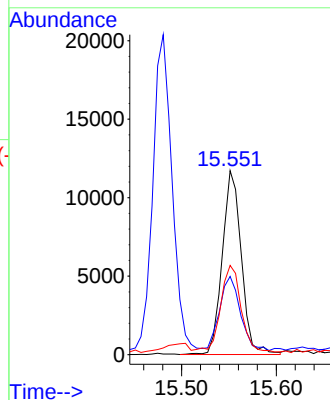
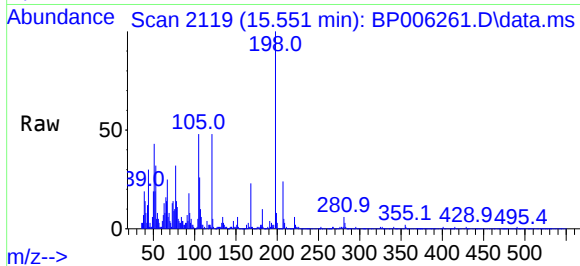




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.688 ng  
RT: 15.551 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

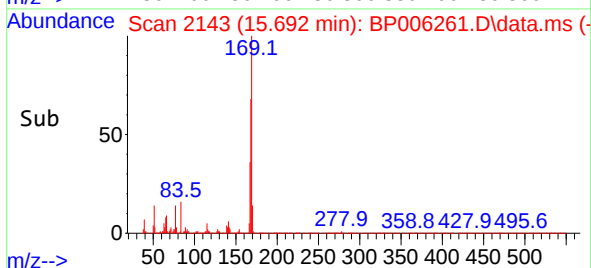
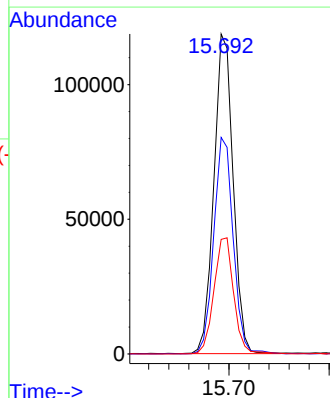
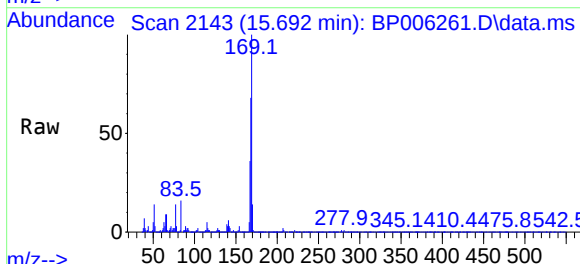
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

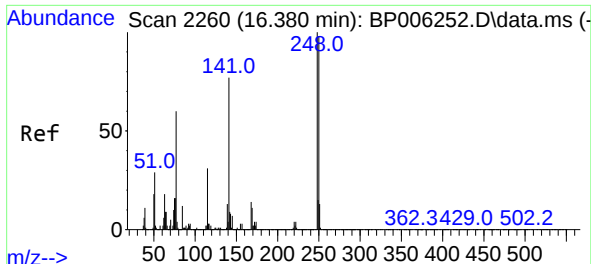
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:198 | Resp: | 16410     |
| Ion Ratio   | Lower | Upper     |
| 198         | 100   |           |
| 51          | 42.5  | 14.0 54.0 |
| 105         | 48.5  | 19.5 59.5 |



#66  
n-Nitrosodiphenylamine  
Concen: 3.923 ng  
RT: 15.692 min Scan# 2143  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:169 | Resp: | 157969    |
| Ion Ratio   | Lower | Upper     |
| 169         | 100   |           |
| 168         | 67.7  | 54.4 81.6 |
| 167         | 35.8  | 29.0 43.6 |

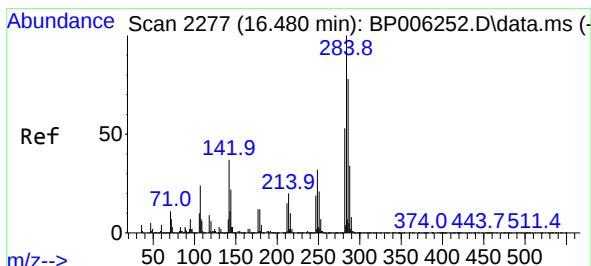
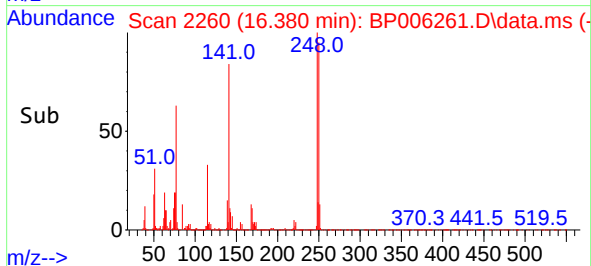
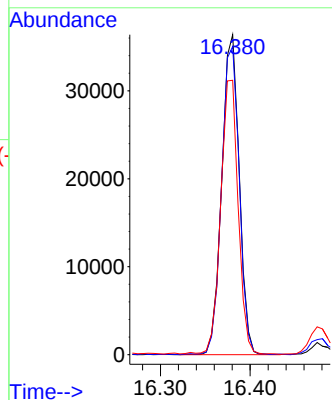
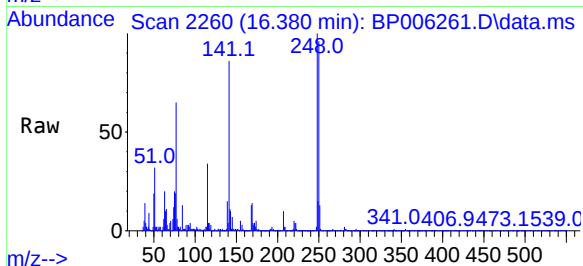




#67  
4-Bromophenyl-phenylether  
Concen: 3.711 ng  
RT: 16.380 min Scan# 2260  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

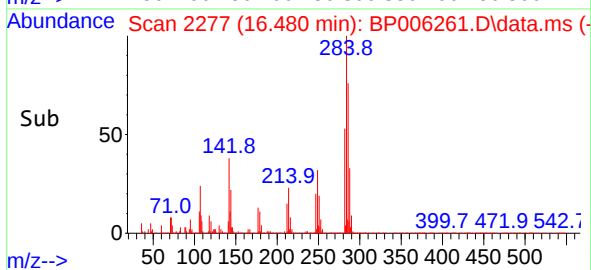
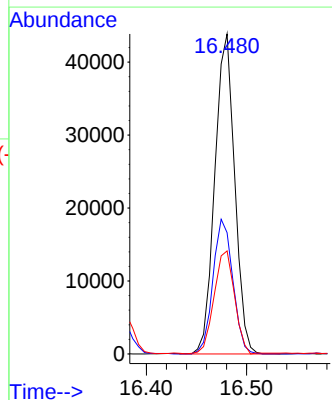
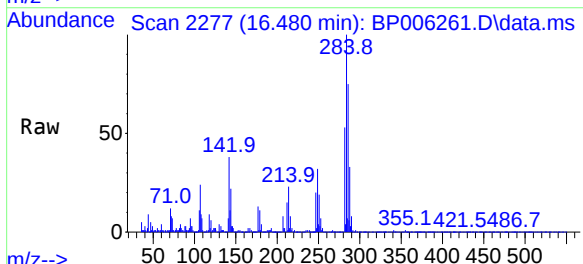
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

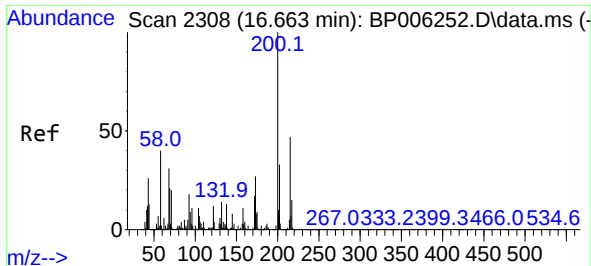
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 49060 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 96.3  | 79.8  | 119.8 |
| 141       | 85.7  | 57.8  | 86.6  |



#68  
Hexachlorobenzene  
Concen: 3.972 ng  
RT: 16.480 min Scan# 2277  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 60224 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 37.9  | 26.9  | 40.3  |
| 249       | 32.2  | 24.5  | 36.7  |

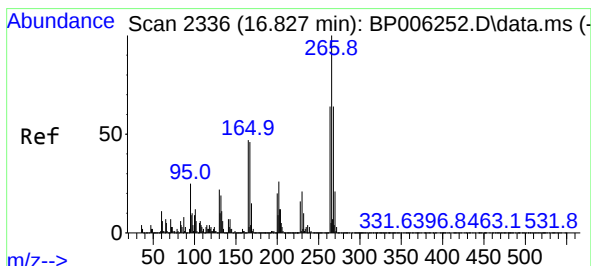
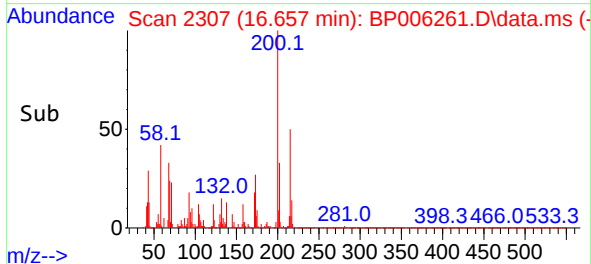
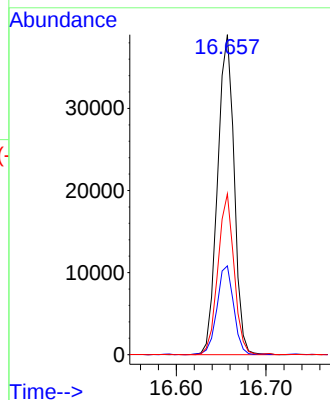
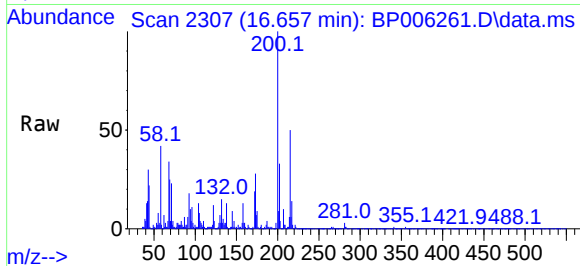




#69  
Atrazine  
Concen: 3.803 ng  
RT: 16.657 min Scan# 2307  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

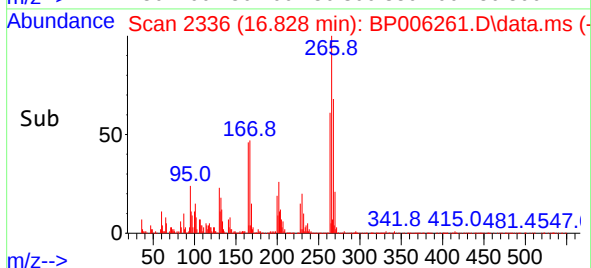
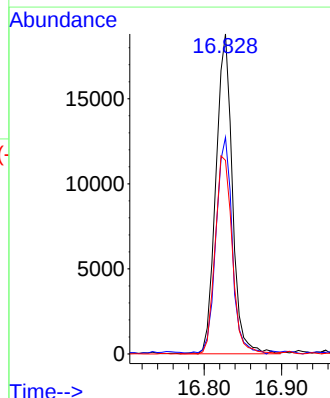
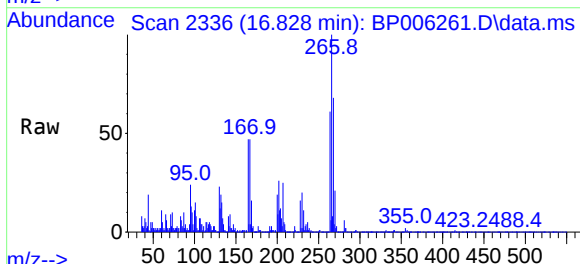
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

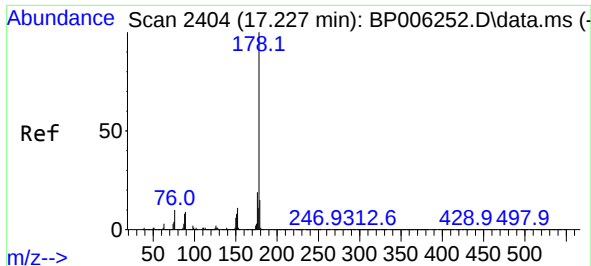
Tgt Ion:200 Resp: 50016  
Ion Ratio Lower Upper  
200 100  
173 27.8 4.1 44.1  
215 50.3 27.7 67.7



#70  
Pentachlorophenol  
Concen: 3.262 ng  
RT: 16.828 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:266 Resp: 27695  
Ion Ratio Lower Upper  
266 100  
268 67.7 51.6 77.4  
264 60.5 50.3 75.5

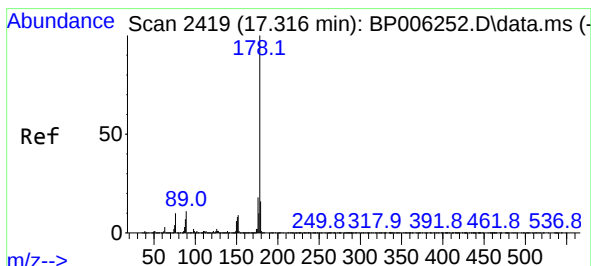
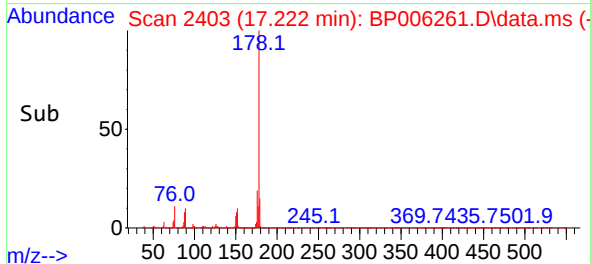
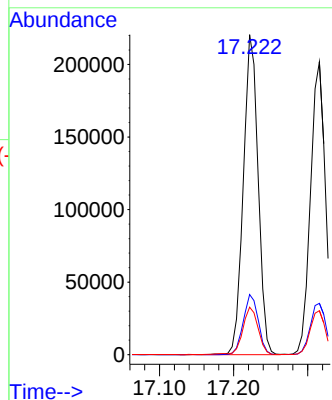
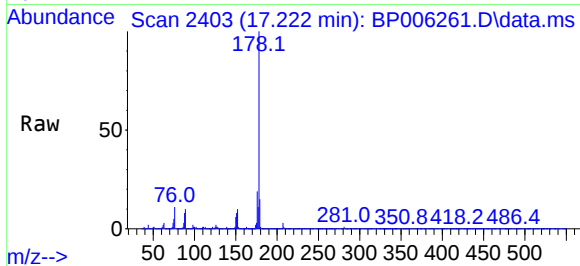




#71  
Phenanthrene  
Concen: 4.243 ng  
RT: 17.222 min Scan# 2403  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

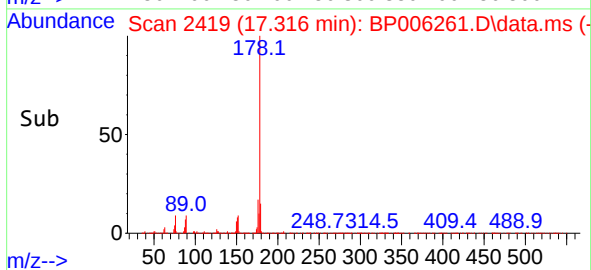
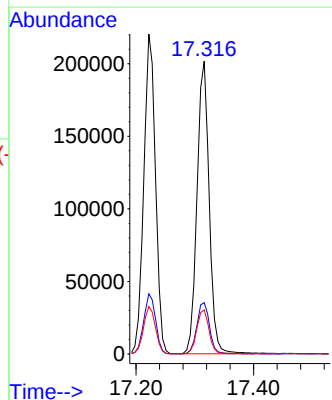
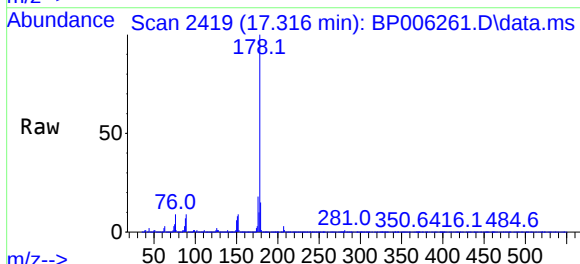
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

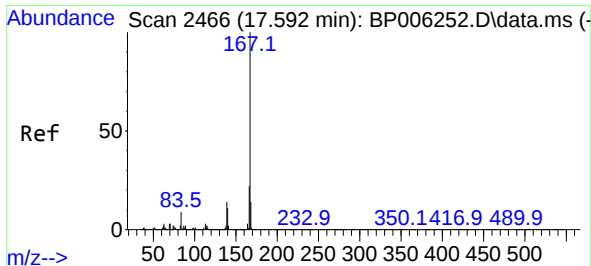
Tgt Ion:178 Resp: 304994  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.1 22.7  
179 14.8 12.4 18.6



#72  
Anthracene  
Concen: 4.130 ng  
RT: 17.316 min Scan# 2419  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:178 Resp: 289548  
Ion Ratio Lower Upper  
178 100  
176 17.5 14.9 22.3  
179 15.0 12.2 18.2

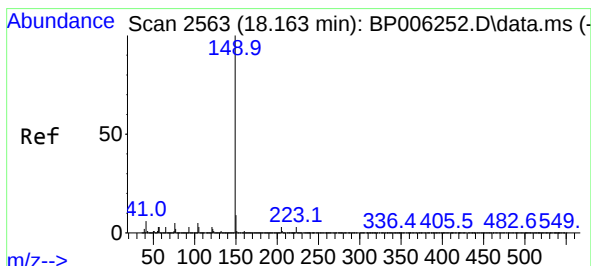
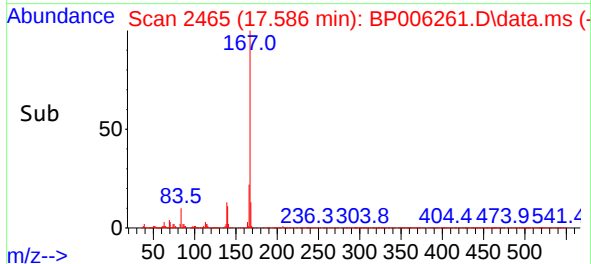
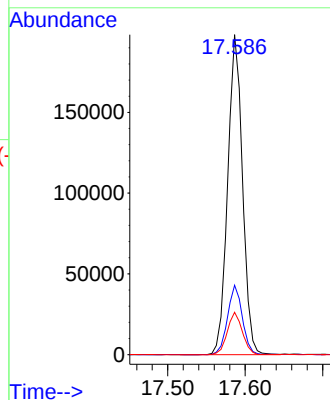
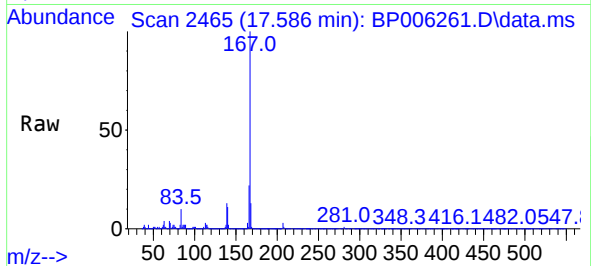




#73  
 Carbazole  
 Concen: 3.751 ng  
 RT: 17.586 min Scan# 2465  
 Delta R.T. -0.006 min  
 Lab File: BP006261.D  
 Acq: 21 Jul 2021 11:42

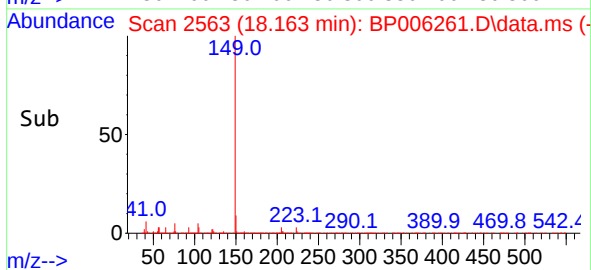
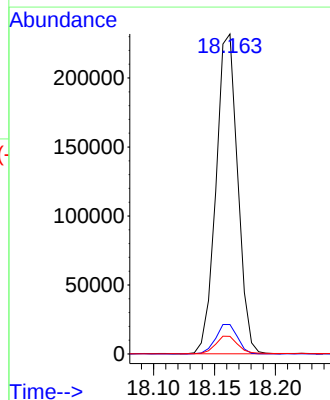
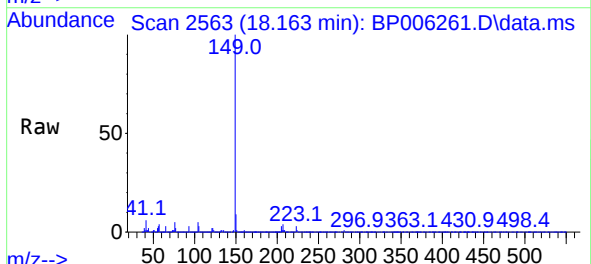
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

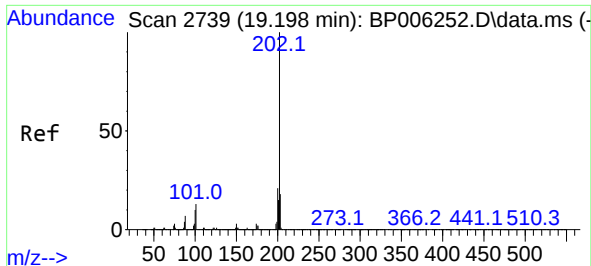
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 167   | Resp: | 263626 |
| Ion      | Ratio | Lower | Upper  |
| 167      | 100   |       |        |
| 166      | 21.7  | 17.1  | 25.7   |
| 139      | 13.3  | 10.7  | 16.1   |



#74  
 Di-n-butylphthalate  
 Concen: 3.577 ng  
 RT: 18.163 min Scan# 2563  
 Delta R.T. 0.000 min  
 Lab File: BP006261.D  
 Acq: 21 Jul 2021 11:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 286991 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.2   | 7.3   | 10.9   |
| 104      | 5.5   | 4.5   | 6.7    |

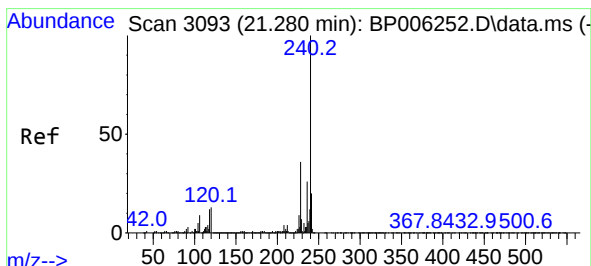
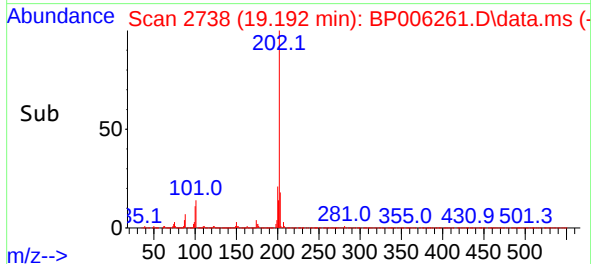
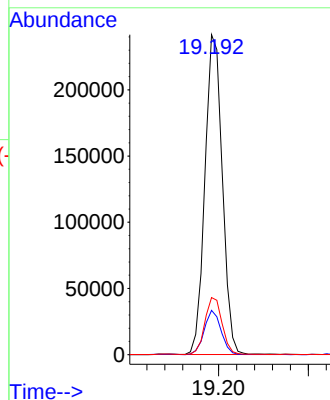
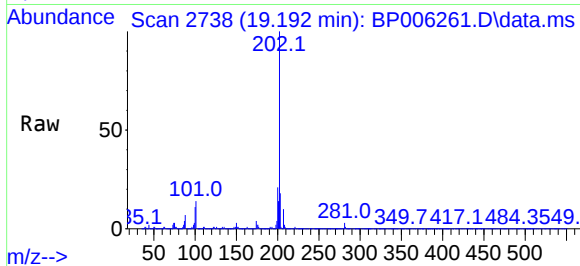




#75  
Fluoranthene  
Concen: 3.941 ng  
RT: 19.192 min Scan# 2738  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

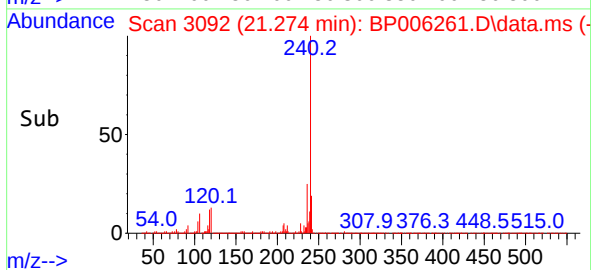
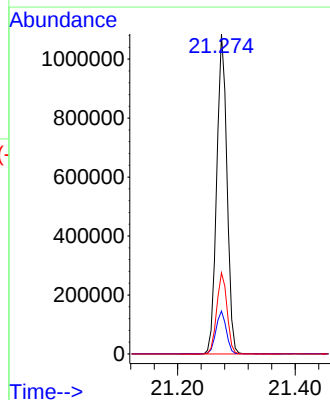
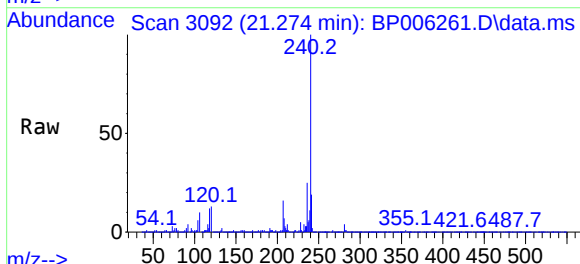
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

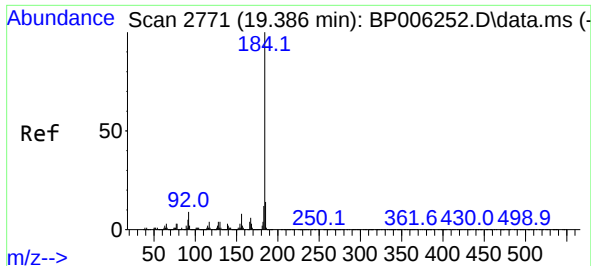
Tgt Ion:202 Resp: 325110  
Ion Ratio Lower Upper  
202 100  
101 13.8 0.0 27.6  
203 17.9 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.274 min Scan# 3092  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:240 Resp: 1313964  
Ion Ratio Lower Upper  
240 100  
120 13.4 6.5 9.7#  
236 25.4 20.6 31.0

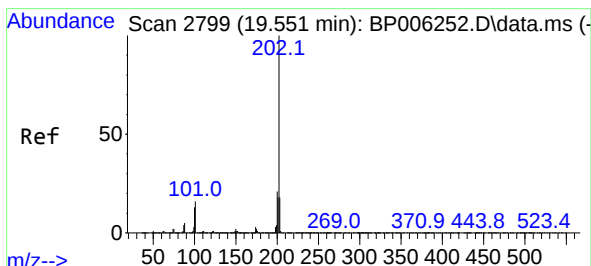
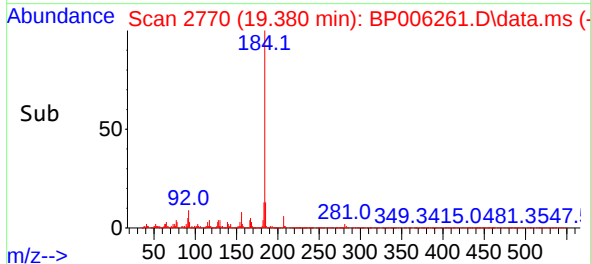
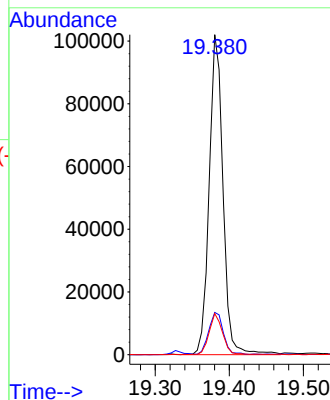
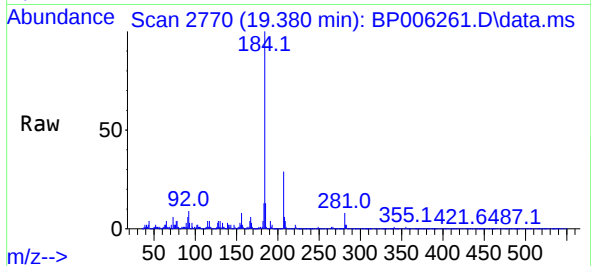




#77  
Benzidine  
Concen: 3.458 ng  
RT: 19.380 min Scan# 2770  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

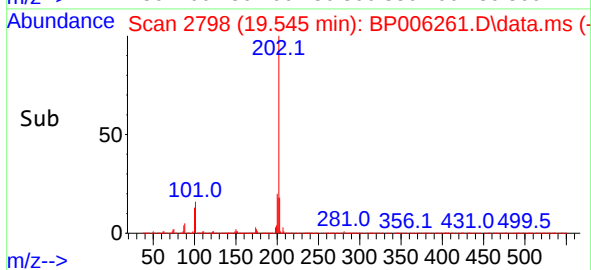
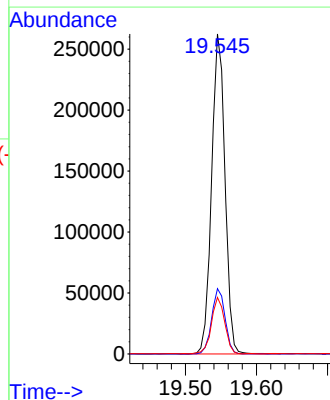
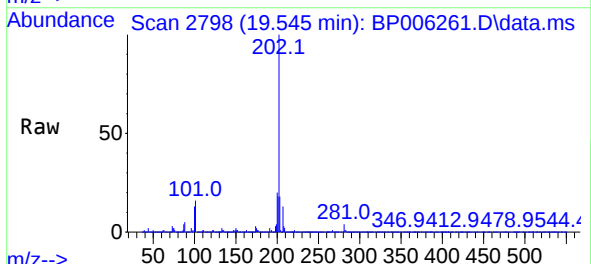
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

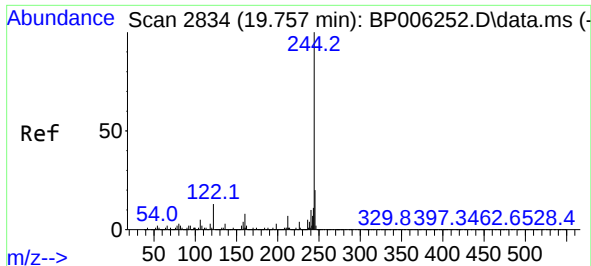
Tgt Ion:184 Resp: 132256  
Ion Ratio Lower Upper  
184 100  
185 13.2 11.0 16.4  
183 12.8 9.5 14.3



#78  
Pyrene  
Concen: 3.956 ng  
RT: 19.545 min Scan# 2798  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:202 Resp: 343238  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.3 24.5  
203 17.7 14.2 21.2

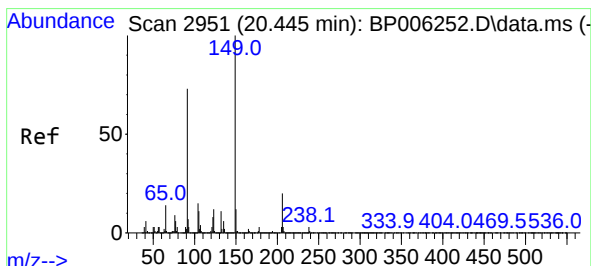
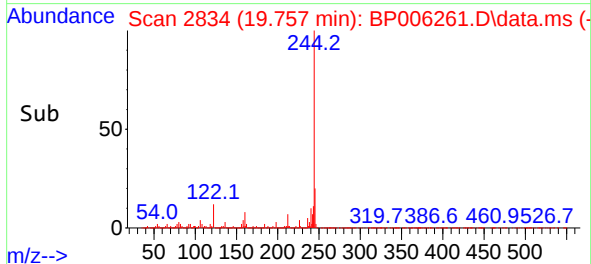
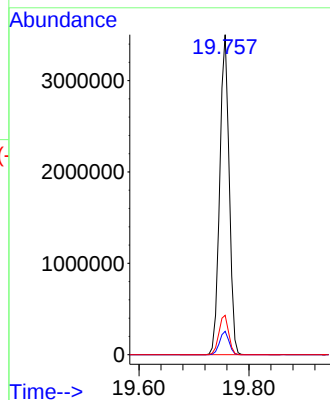
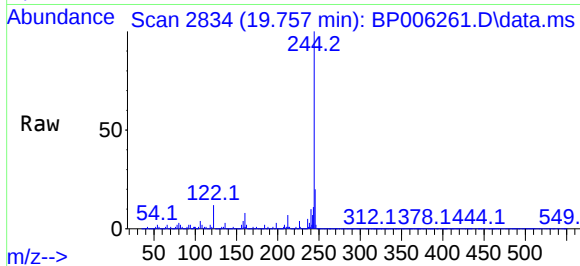




#79  
Terphenyl-d14  
Concen: 63.496 ng  
RT: 19.757 min Scan# 2834  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

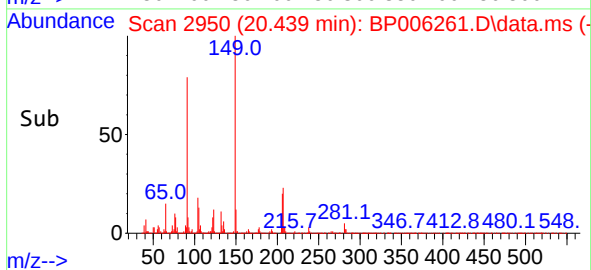
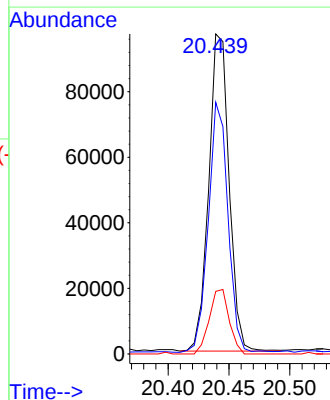
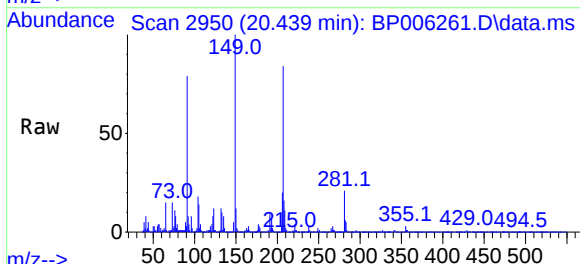
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BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

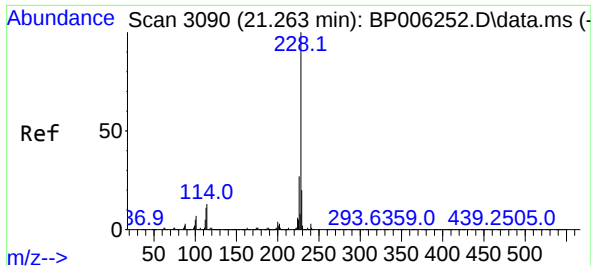
Tgt Ion:244 Resp: 4170725  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.0 9.0  
122 12.3 7.1 10.7#



#80  
Butylbenzylphthalate  
Concen: 3.066 ng  
RT: 20.439 min Scan# 2950  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:149 Resp: 112680  
Ion Ratio Lower Upper  
149 100  
91 78.7 54.6 81.8  
206 19.6 16.7 25.1



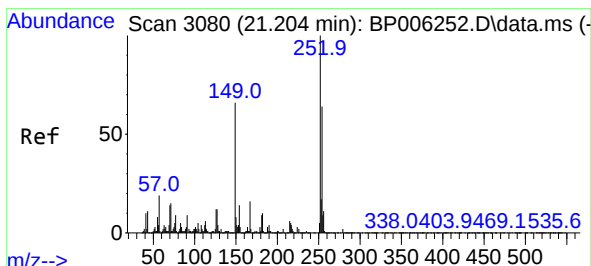
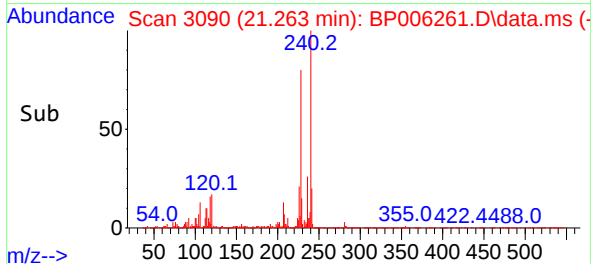
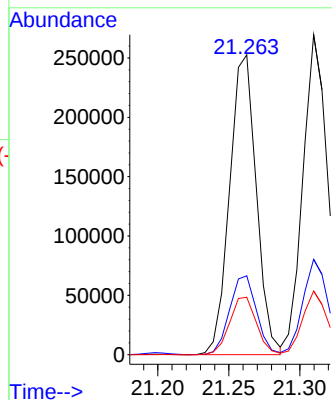
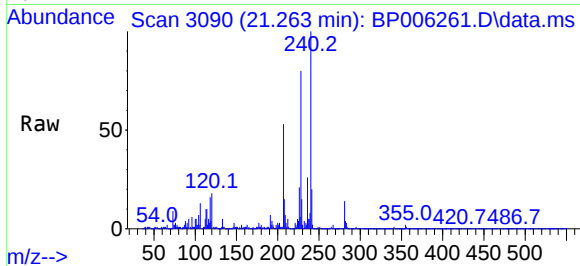


#81  
Benzo(a)anthracene  
Concen: 3.935 ng  
RT: 21.263 min Scan# 3090  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion:228 Resp: 331821

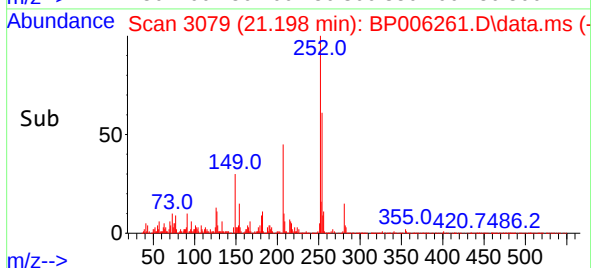
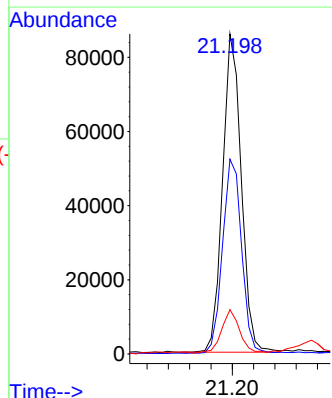
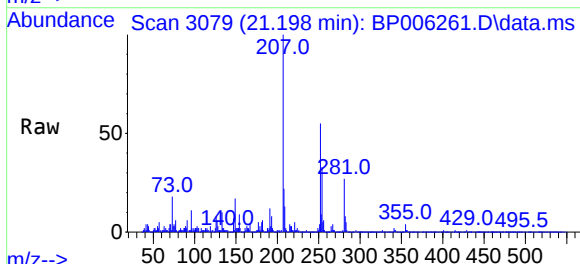
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 26.3  | 21.6  | 32.4  |
| 229 | 19.2  | 15.8  | 23.6  |

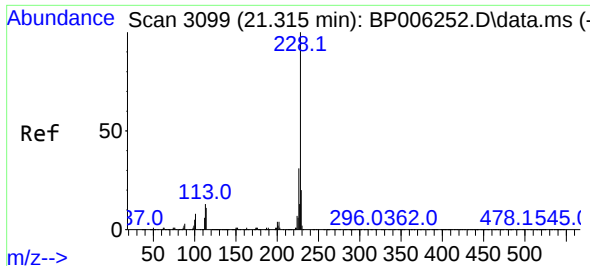


#82  
3,3'-Dichlorobenzidine  
Concen: 4.458 ng  
RT: 21.198 min Scan# 3079  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:252 Resp: 104095

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 60.8  | 50.6  | 76.0  |
| 126 | 13.9  | 7.0   | 10.6  |

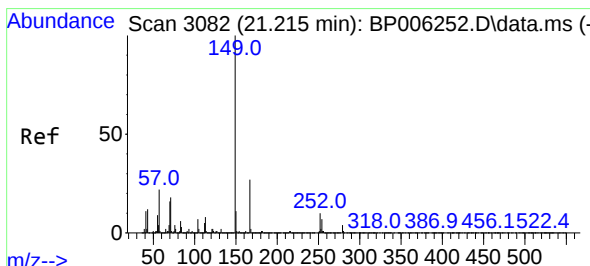
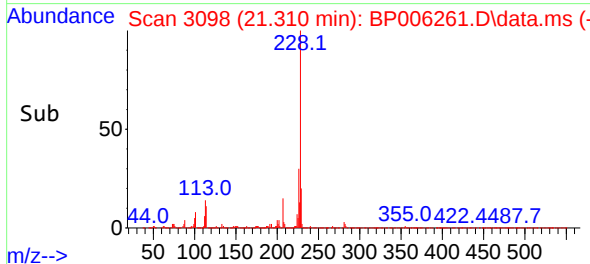
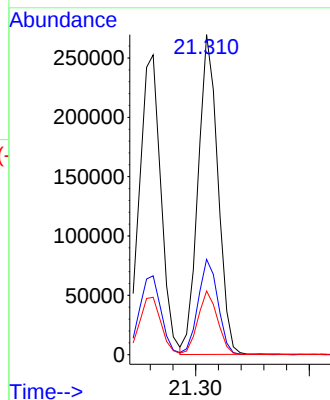
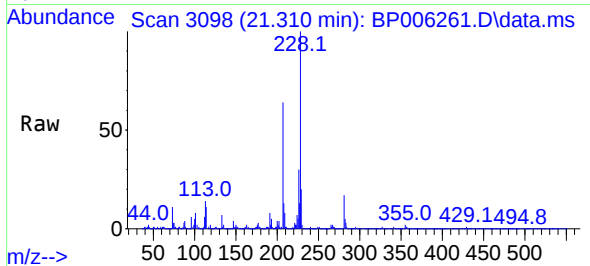




#83  
Chrysene  
Concen: 3.989 ng  
RT: 21.310 min Scan# 3098  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

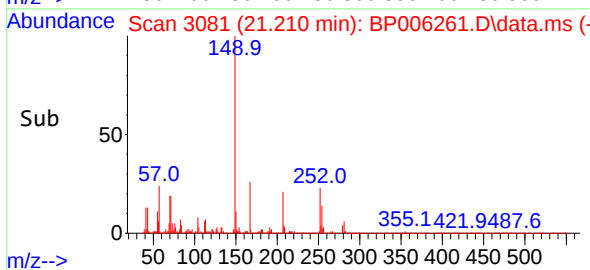
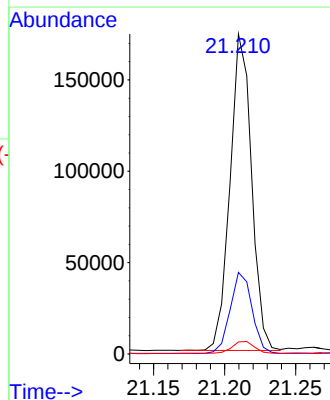
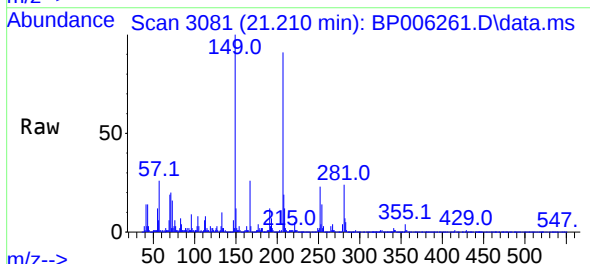
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

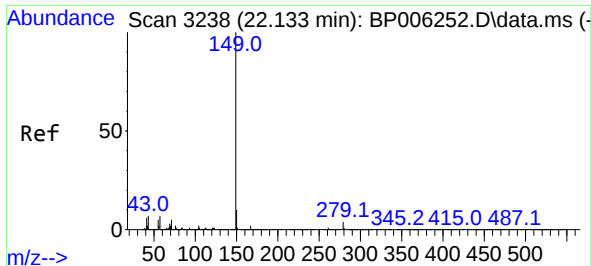
|             |              |
|-------------|--------------|
| Tgt Ion:228 | Resp: 325691 |
| Ion Ratio   | Lower Upper  |
| 228 100     |              |
| 226 29.8    | 23.8 35.6    |
| 229 19.9    | 15.4 23.2    |



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.291 ng  
RT: 21.210 min Scan# 3081  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 182345 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 167 25.5    | 21.9 32.9    |
| 279 3.7     | 4.3 6.5#     |

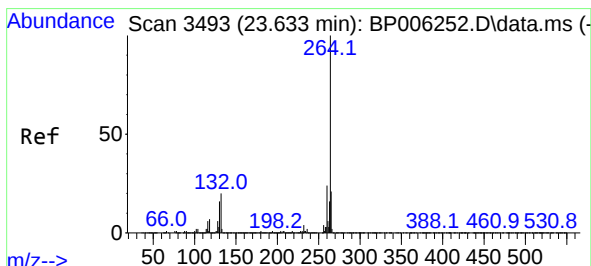
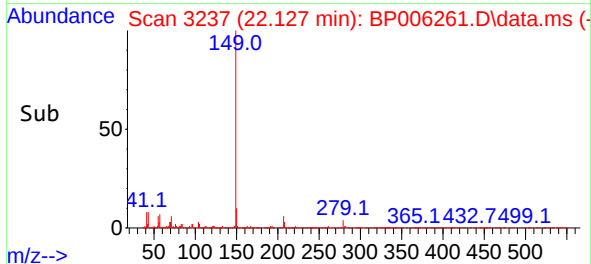
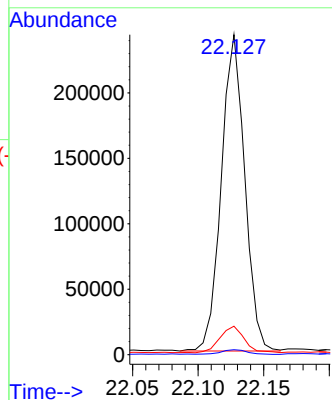
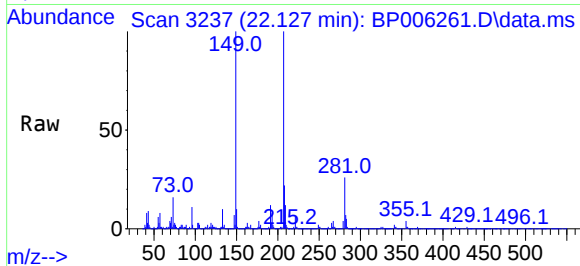




#85  
Di-n-octyl phthalate  
Concen: 3.228 ng  
RT: 22.127 min Scan# 3237  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

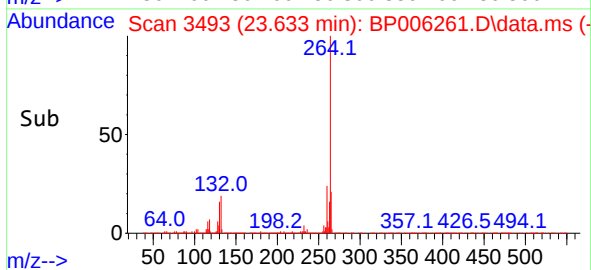
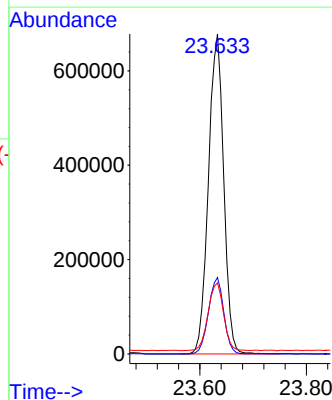
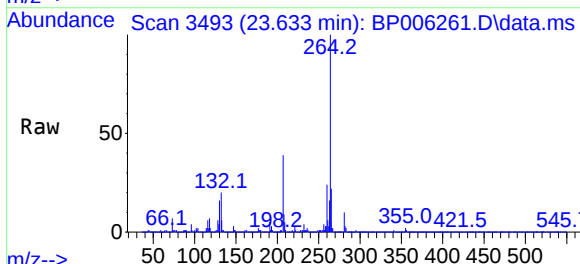
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LOD-MDL-SOIL-01-QT3-2021

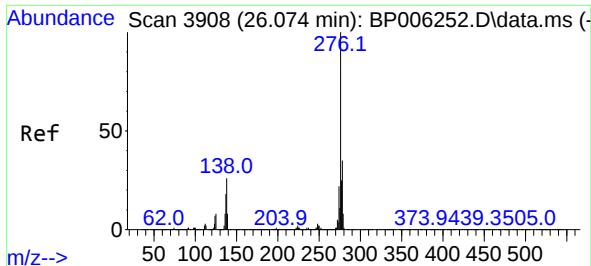
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:149 | Resp: | 300009   |
| Ion Ratio   | Lower | Upper    |
| 149         | 100   |          |
| 167         | 1.6   | 1.4 2.0  |
| 43          | 8.6   | 5.6 8.4# |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.633 min Scan# 3493  
Delta R.T. 0.000 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 1351135   |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.9  | 18.6 28.0 |
| 265         | 22.2  | 17.6 26.4 |

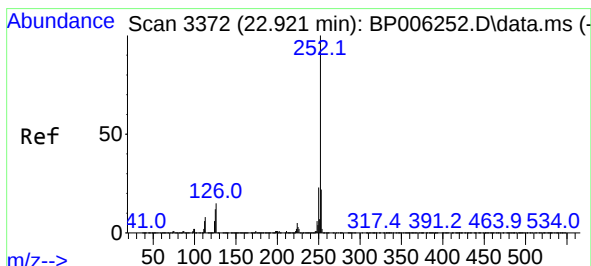
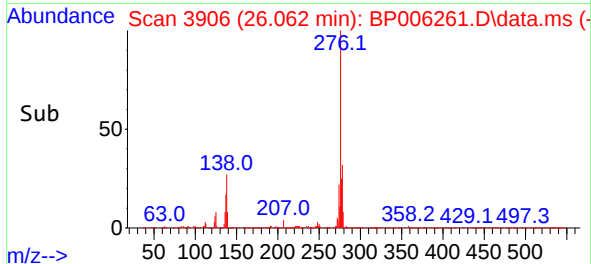
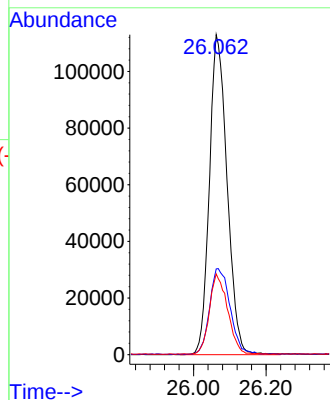
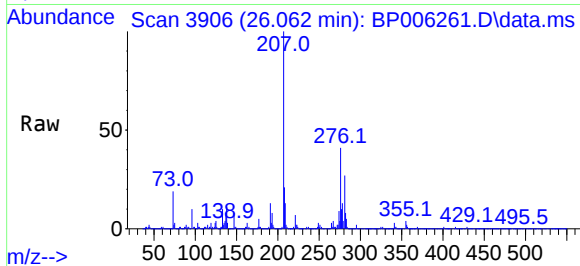




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.001 ng  
 RT: 26.062 min Scan# 3906  
 Delta R.T. -0.012 min  
 Lab File: BP006261.D  
 Acq: 21 Jul 2021 11:42

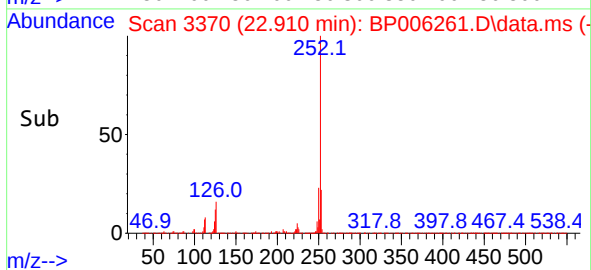
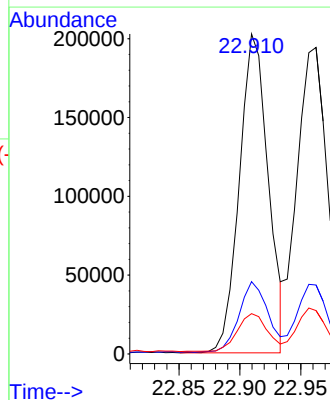
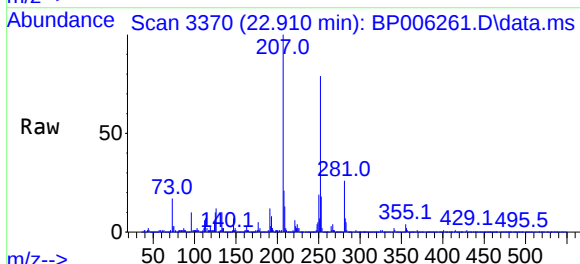
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

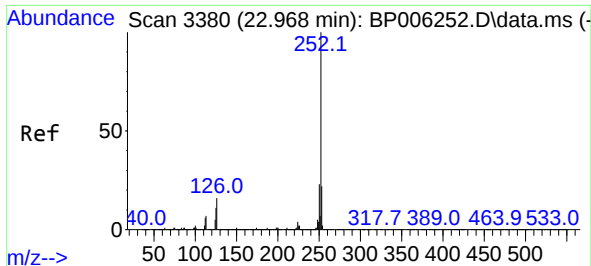
Tgt Ion:276 Resp: 382986  
 Ion Ratio Lower Upper  
 276 100  
 138 30.8 15.3 22.9#  
 277 25.6 20.4 30.6



#88  
 Benzo(b)fluoranthene  
 Concen: 3.824 ng  
 RT: 22.910 min Scan# 3370  
 Delta R.T. -0.012 min  
 Lab File: BP006261.D  
 Acq: 21 Jul 2021 11:42

Tgt Ion:252 Resp: 333410  
 Ion Ratio Lower Upper  
 252 100  
 253 22.6 17.5 26.3  
 125 12.6 6.2 9.4#

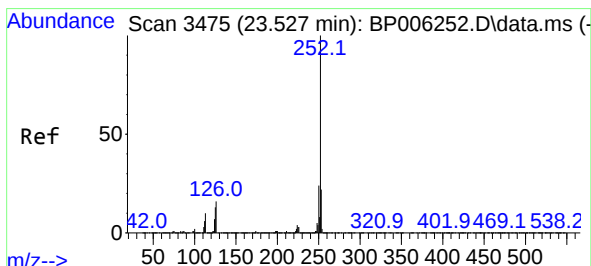
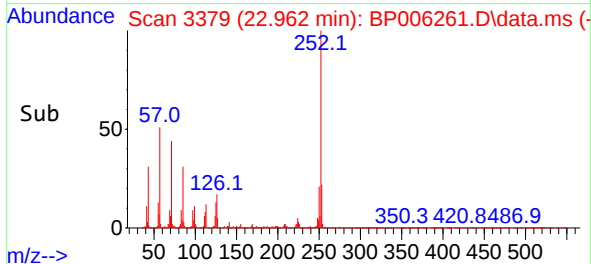
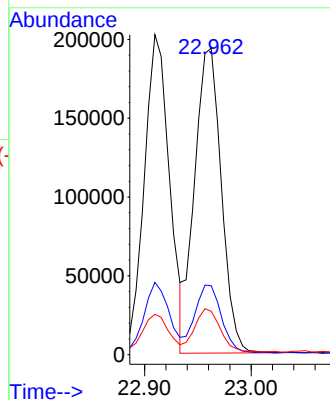
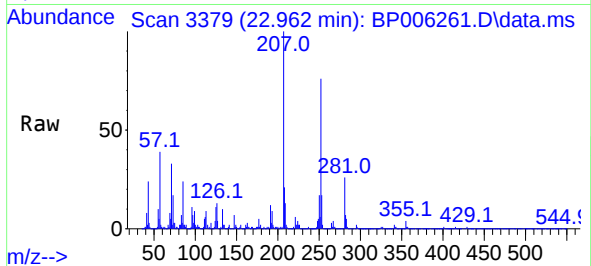




#89  
Benzo(k)fluoranthene  
Concen: 4.161 ng  
RT: 22.962 min Scan# 3379  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

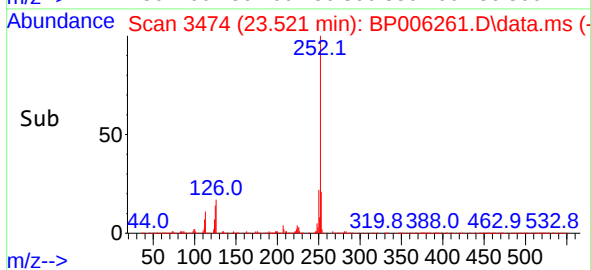
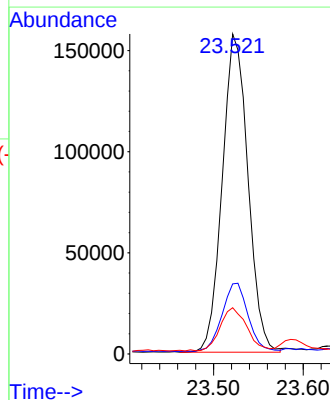
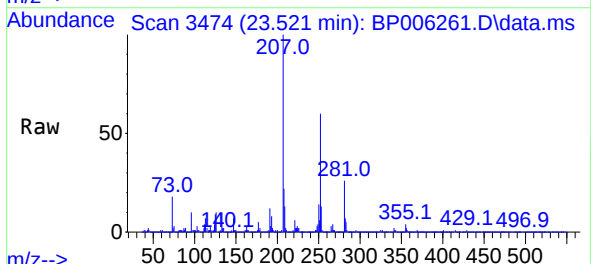
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

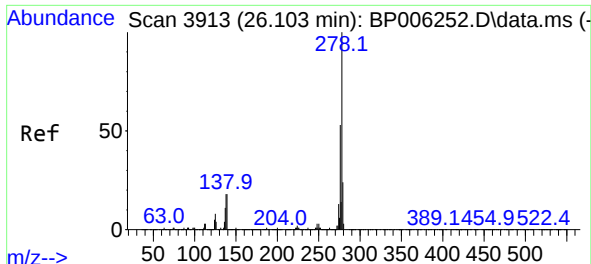
Tgt Ion:252 Resp: 337777  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.6 26.4  
125 14.1 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 3.996 ng  
RT: 23.521 min Scan# 3474  
Delta R.T. -0.006 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:252 Resp: 312590  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.9 26.9  
125 14.5 6.5 9.7#

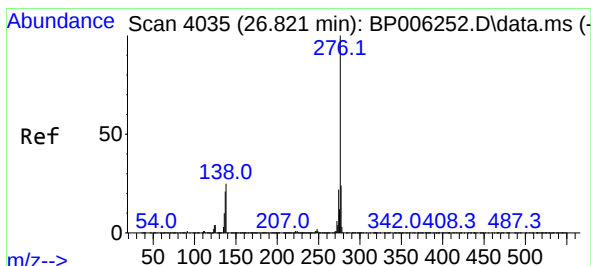
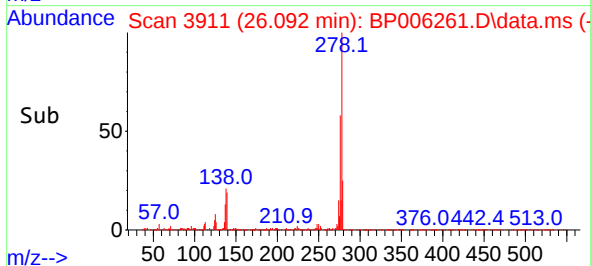
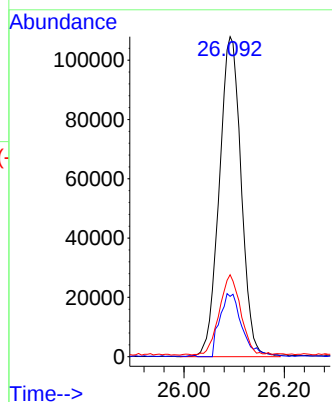
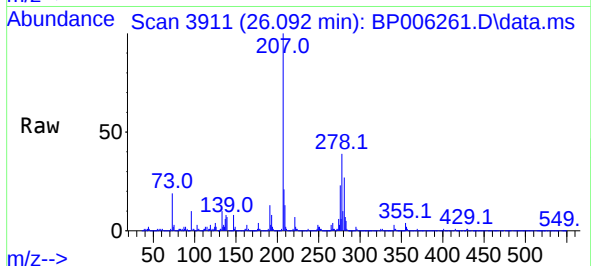




#91  
Dibenzo(a,h)anthracene  
Concen: 3.953 ng  
RT: 26.092 min Scan# 3911  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

Tgt Ion:278 Resp: 327295  
Ion Ratio Lower Upper  
278 100  
139 18.9 9.3 13.9#  
279 25.6 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 4.005 ng  
RT: 26.809 min Scan# 4033  
Delta R.T. -0.012 min  
Lab File: BP006261.D  
Acq: 21 Jul 2021 11:42

Tgt Ion:276 Resp: 322791  
Ion Ratio Lower Upper  
276 100  
277 23.5 18.9 28.3  
138 25.8 12.6 18.8#

