

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072121\  
 Data File : BP006262.D  
 Acq On : 21 Jul 2021 12:29  
 Operator : CG/JU  
 Sample : M2940-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 21 12:55:58 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     | 7.799  | 152  | 278632   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.587 | 136  | 1105749  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.428 | 164  | 650583   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.181 | 188  | 1294563  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.280 | 240  | 1262383  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.633 | 264  | 1285896  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 2160961  | 129.212 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.975  | 99   | 2944224  | 128.765 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.958  | 82   | 1744705  | 95.013  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.922 | 330  | 832139   | 124.261 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 3659845  | 85.627  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.757 | 244  | 5221699  | 82.745  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.346  | 88   | 60019    | 8.582   | ng    | 94       |
| 3) Pyridine                   | 3.740  | 79   | 142892   | 7.340   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.646  | 42   | 53384    | 8.087   | ng    | # 80     |
| 6) Aniline                    | 7.134  | 93   | 227184   | 8.975   | ng    | 99       |
| 8) 2-Chlorophenol             | 7.363  | 128  | 144336   | 7.816   | ng    | 92       |
| 9) Benzaldehyde               | 6.952  | 77   | 138706   | 10.536  | ng    | 96       |
| 10) Phenol                    | 6.999  | 94   | 183674   | 8.097   | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.234  | 93   | 144335   | 8.215   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.687  | 146  | 160628   | 7.939   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.834  | 146  | 165555   | 8.072   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.146  | 146  | 155885   | 7.935   | ng    | 97       |
| 15) Benzyl Alcohol            | 8.040  | 79   | 126480   | 7.684   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 157766   | 8.913   | ng    | 96       |
| 17) 2-Methylphenol            | 8.240  | 107  | 119386   | 7.935   | ng    | 98       |
| 18) Hexachloroethane          | 8.869  | 117  | 57697    | 7.913   | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 108123   | 7.719   | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.569  | 107  | 156892   | 7.742   | ng    | 95       |
| 22) Acetophenone              | 8.622  | 105  | 223863   | 8.389   | ng    | # 98     |
| 24) Nitrobenzene              | 8.999  | 77   | 169383   | 8.676   | ng    | 93       |
| 25) Isophorone                | 9.528  | 82   | 269134   | 7.184   | ng    | 96       |
| 26) 2-Nitrophenol             | 9.705  | 139  | 54275    | 7.402   | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 128674   | 8.681   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93   | 186910   | 8.838   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 112992   | 7.385   | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.452 | 180  | 136631   | 7.898   | ng    | 99       |
| 31) Naphthalene               | 10.634 | 128  | 466426   | 8.036   | ng    | 100      |
| 32) Benzoic acid              | 9.834  | 122  | 45699    | 4.968   | ng    | 98       |
| 33) 4-Chloroaniline           | 10.752 | 127  | 185940   | 7.870   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.922 | 225  | 77819    | 7.587   | ng    | 98       |
| 35) Caprolactam               | 11.528 | 113  | 34082    | 7.402   | ng    | # 82     |
| 36) 4-Chloro-3-methylphenol   | 11.875 | 107  | 134378   | 7.546   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 324705   | 8.011   | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.469 | 142  | 299602   | 7.816   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.616 | 216  | 145541   | 8.259   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.599 | 237  | 88252    | 9.147   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 82319    | 7.448   | ng    | 95       |

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 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 21 12:55:58 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

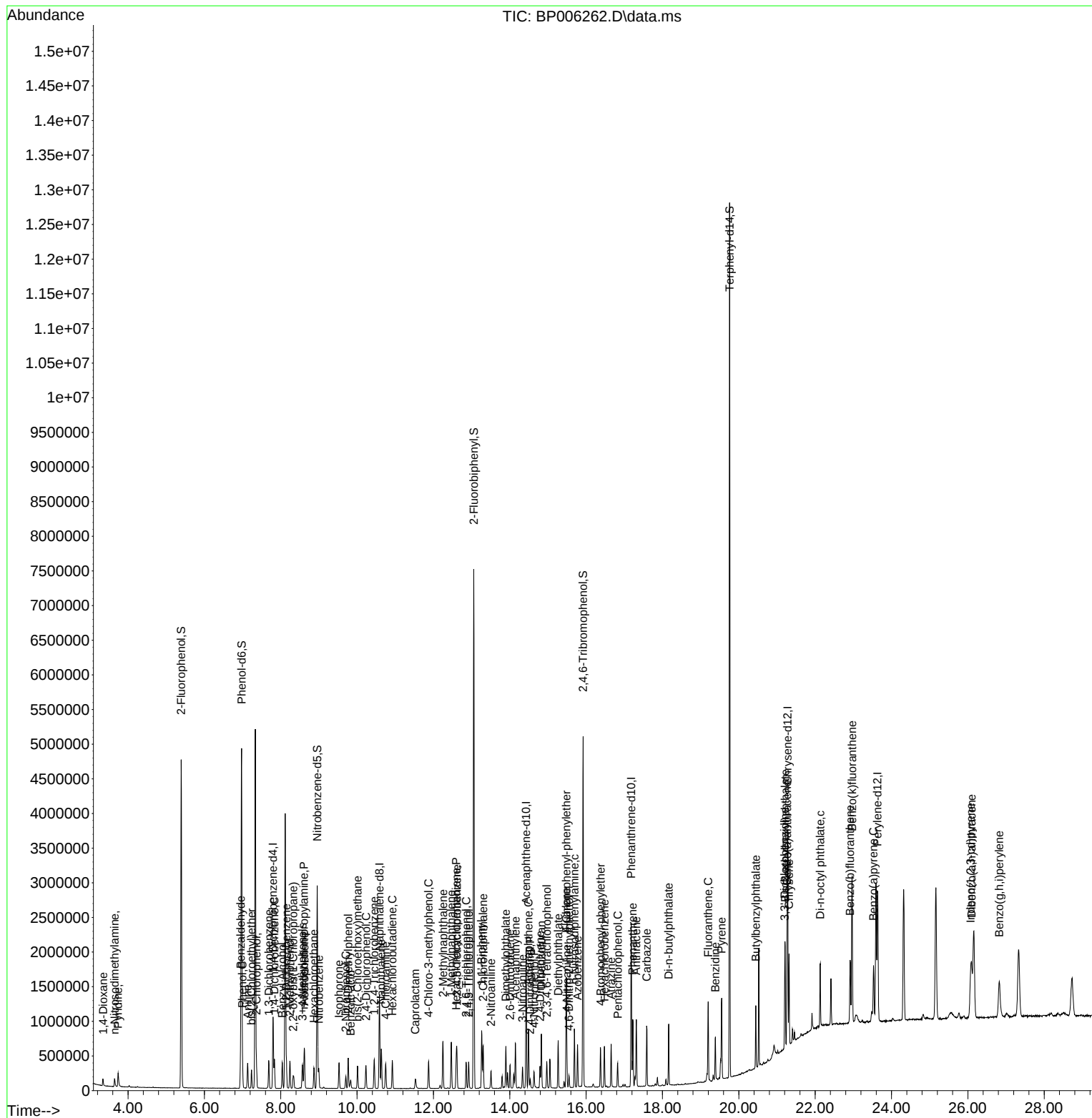
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.922 | 196  | 89649    | 7.549 | ng    | # 87     |
| 46) 1,1'-Biphenyl             | 13.263 | 154  | 408855   | 8.526 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.304 | 162  | 298866   | 8.095 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 65800    | 7.584 | ng    | 96       |
| 49) Acenaphthylene            | 14.151 | 152  | 466419   | 7.936 | ng    | 99       |
| 50) Dimethylphthalate         | 13.898 | 163  | 355651   | 7.791 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 61832    | 6.901 | ng    | 87       |
| 52) Acenaphthene              | 14.493 | 154  | 290995   | 8.009 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.334 | 138  | 67139    | 7.073 | ng    | # 89     |
| 54) 2,4-Dinitrophenol         | 14.534 | 184  | 24925    | 6.558 | ng    | 92       |
| 55) Dibenzofuran              | 14.828 | 168  | 457999   | 7.984 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.640 | 139  | 54792    | 6.505 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 14.793 | 165  | 74867    | 6.477 | ng    | # 84     |
| 58) Fluorene                  | 15.481 | 166  | 365041   | 7.944 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.969 | 232  | 68497    | 6.662 | ng    | 90       |
| 60) Diethylphthalate          | 15.269 | 149  | 366172   | 7.772 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.481 | 204  | 174789   | 8.041 | ng    | 94       |
| 62) 4-Nitroaniline            | 15.498 | 138  | 67543    | 6.812 | ng    | 87       |
| 63) Azobenzene                | 15.775 | 77   | 353313   | 7.447 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.551 | 198  | 33297    | 5.528 | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 15.692 | 169  | 306163   | 7.708 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248  | 98157    | 7.526 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.481 | 284  | 114507   | 7.656 | ng    | # 91     |
| 69) Atrazine                  | 16.657 | 200  | 99662    | 7.682 | ng    | 97       |
| 70) Pentachlorophenol         | 16.828 | 266  | 57182    | 6.827 | ng    | 99       |
| 71) Phenanthrene              | 17.222 | 178  | 574805   | 8.106 | ng    | 99       |
| 72) Anthracene                | 17.316 | 178  | 567190   | 8.201 | ng    | 99       |
| 73) Carbazole                 | 17.586 | 167  | 509684   | 7.352 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.163 | 149  | 593409   | 7.499 | ng    | 99       |
| 75) Fluoranthene              | 19.198 | 202  | 629328   | 7.734 | ng    | 95       |
| 77) Benzidine                 | 19.386 | 184  | 312418   | 8.503 | ng    | 100      |
| 78) Pyrene                    | 19.551 | 202  | 650800   | 7.807 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.445 | 149  | 238782   | 6.762 | ng    | 92       |
| 81) Benzo(a)anthracene        | 21.263 | 228  | 612114   | 7.556 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.204 | 252  | 215300   | 9.598 | ng    | # 96     |
| 83) Chrysene                  | 21.316 | 228  | 598030   | 7.625 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.216 | 149  | 395081   | 7.423 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 22.133 | 149  | 613482   | 6.870 | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.074 | 276  | 709497   | 7.788 | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 22.916 | 252  | 615092   | 7.413 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 22.969 | 252  | 632123   | 8.182 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 23.527 | 252  | 600852   | 8.071 | ng    | # 93     |
| 91) Dibenzo(a,h)anthracene    | 26.098 | 278  | 609259   | 7.732 | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 26.821 | 276  | 601092   | 7.837 | ng    | # 88     |

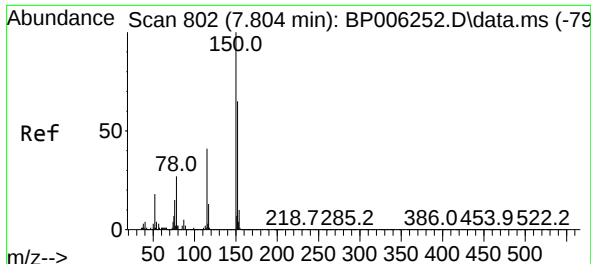
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 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 21 12:55:58 2021  
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 QLast Update : Wed Jul 21 11:55:58 2021  
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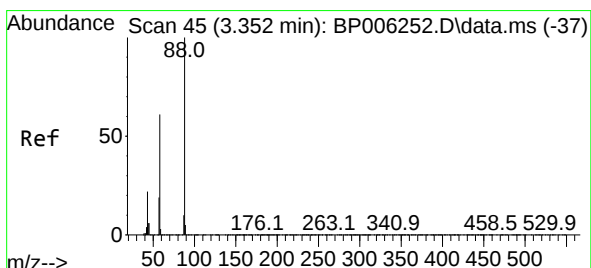
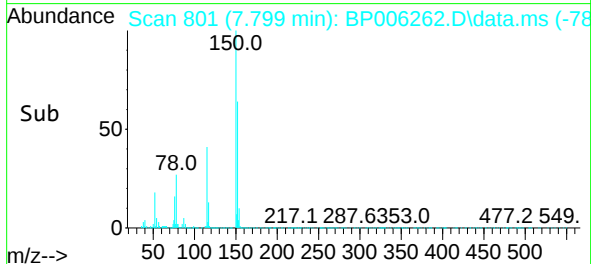
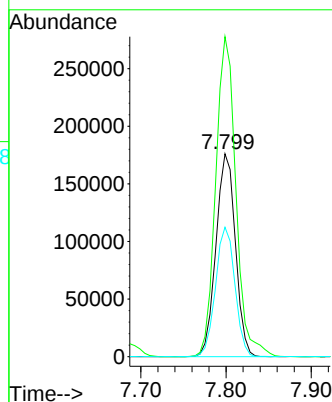
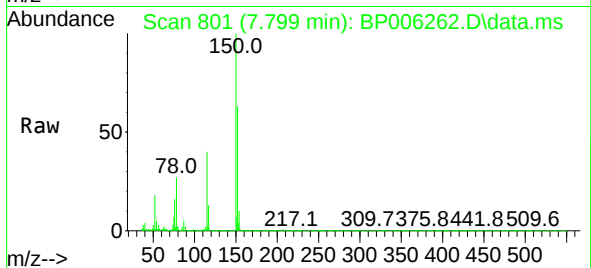




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.799 min Scan# 801  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

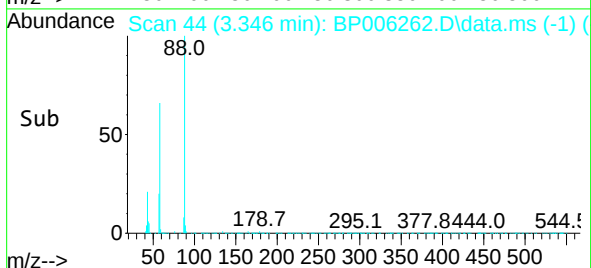
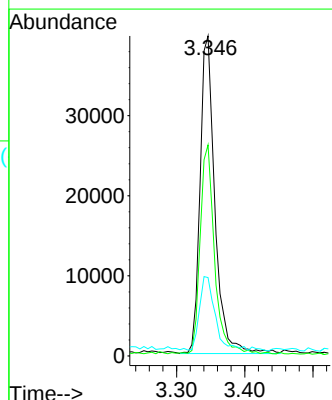
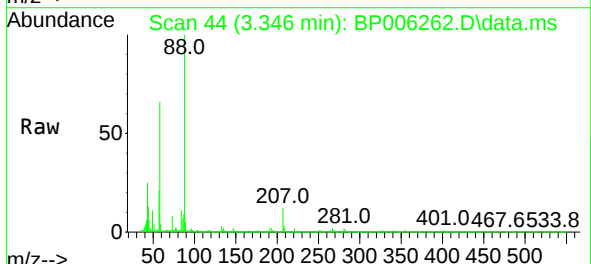
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

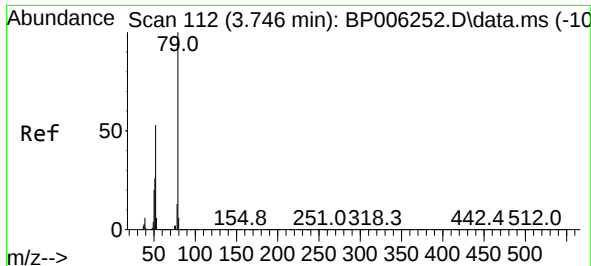
Tgt Ion:152 Resp: 278632  
Ion Ratio Lower Upper  
152 100  
150 157.8 125.6 188.4  
115 63.8 48.5 72.7



#2  
1,4-Dioxane  
Concen: 8.582 ng  
RT: 3.346 min Scan# 44  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 88 Resp: 60019  
Ion Ratio Lower Upper  
88 100  
58 63.9 46.7 70.1  
43 24.4 20.3 30.5

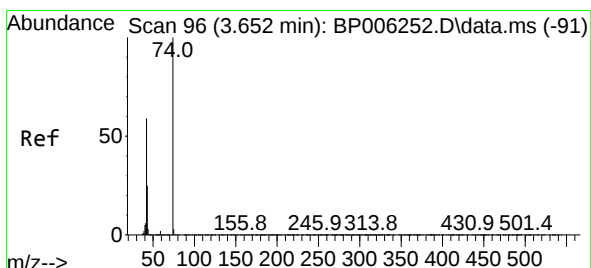
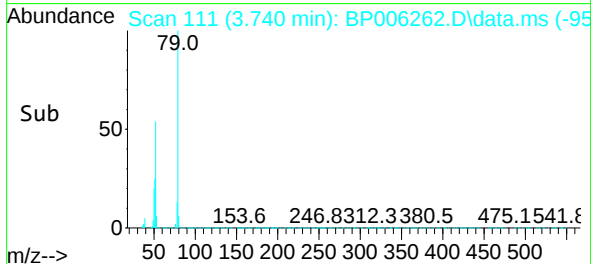
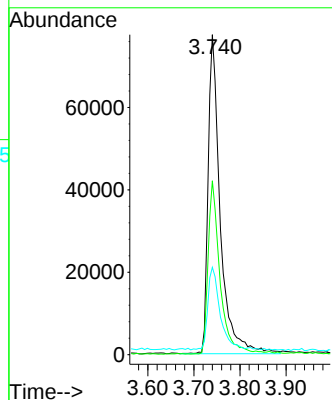
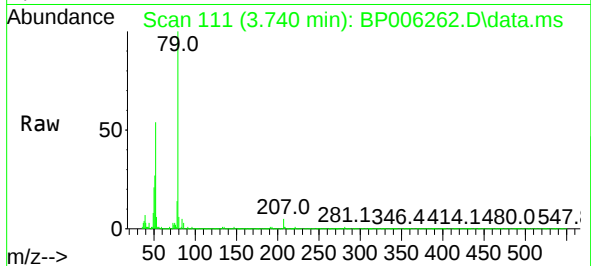




#3  
Pyridine  
Concen: 7.340 ng  
RT: 3.740 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

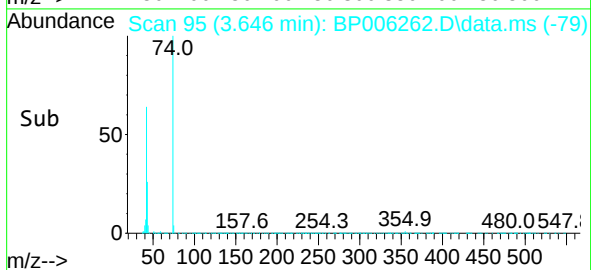
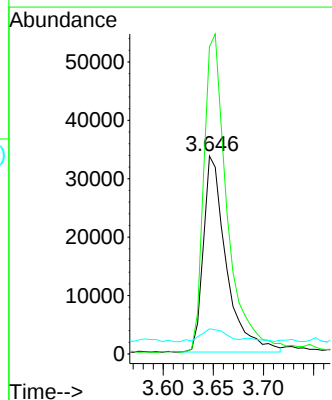
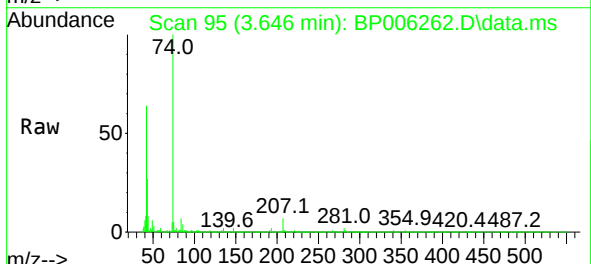
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

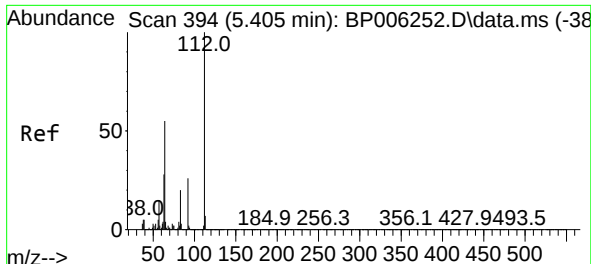
Tgt Ion: 79 Resp: 142892  
Ion Ratio Lower Upper  
79 100  
52 54.4 41.7 62.5  
51 27.3 24.1 36.1



#4  
n-Nitrosodimethylamine  
Concen: 8.087 ng  
RT: 3.646 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 42 Resp: 53384  
Ion Ratio Lower Upper  
42 100  
74 155.2 105.4 158.0  
44 12.7 4.2 6.4#

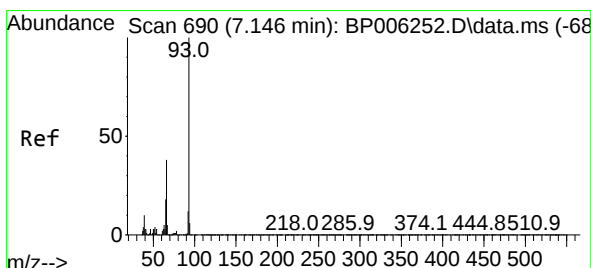
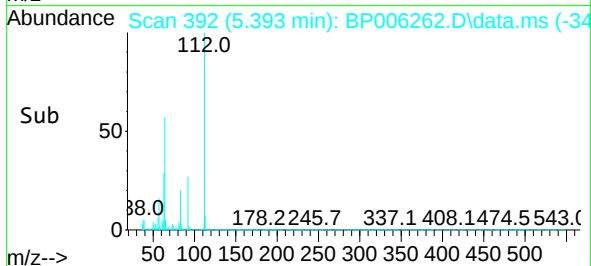
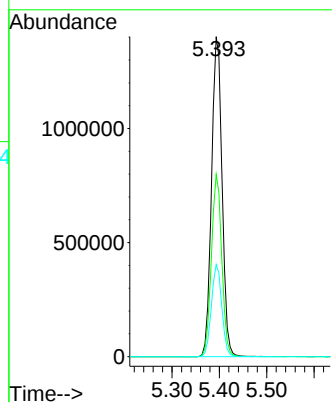
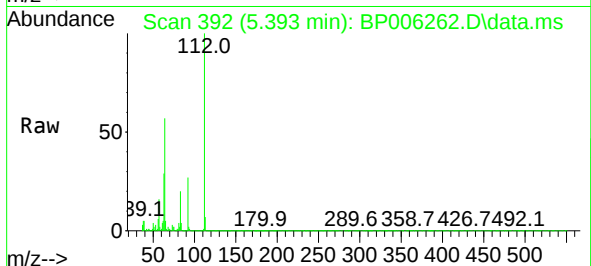




#5  
2-Fluorophenol  
Concen: 129.212 ng  
RT: 5.393 min Scan# 392  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

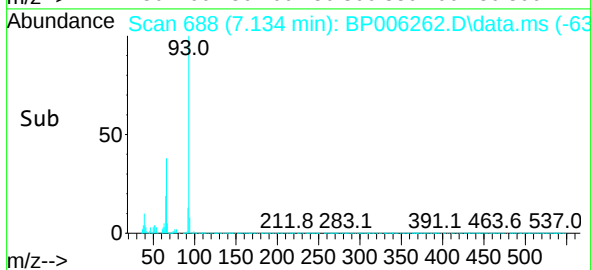
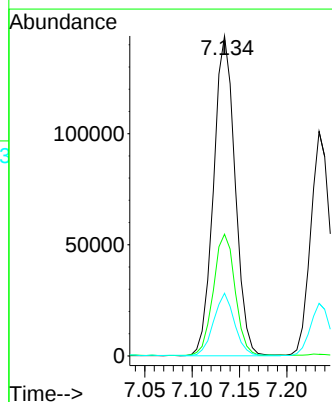
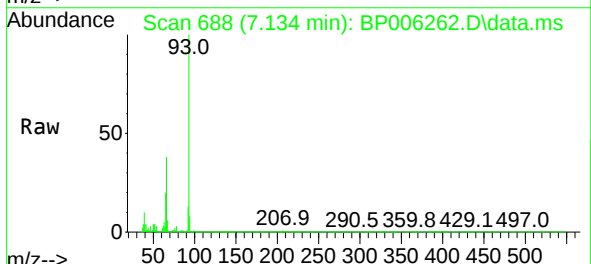
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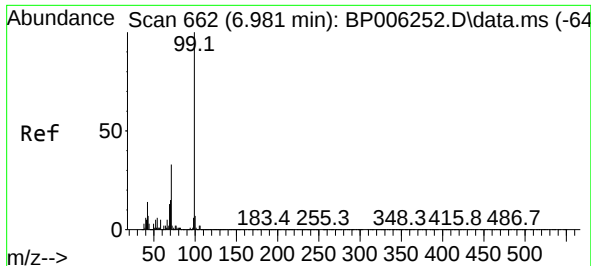
Tgt Ion:112 Resp: 2160961  
Ion Ratio Lower Upper  
112 100  
64 56.9 41.4 62.2  
63 28.8 23.8 35.8



#6  
Aniline  
Concen: 8.975 ng  
RT: 7.134 min Scan# 688  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 93 Resp: 227184  
Ion Ratio Lower Upper  
93 100  
66 38.0 29.7 44.5  
65 19.6 15.3 22.9



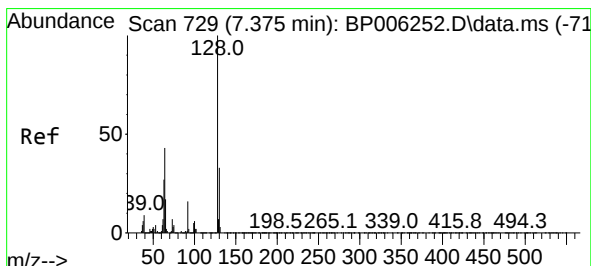
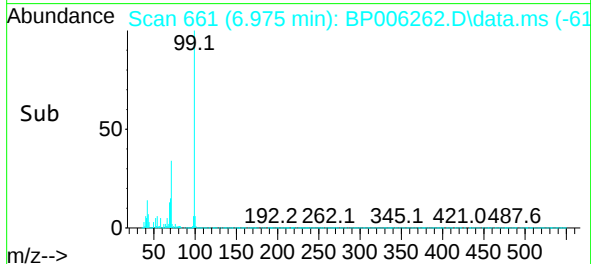
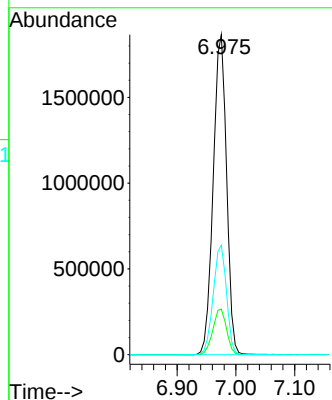
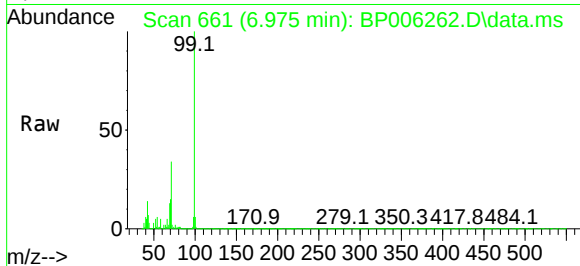


#7  
Phenol-d6  
Concen: 128.765 ng  
RT: 6.975 min Scan# 661  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

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

Tgt Ion: 99 Resp: 2944224

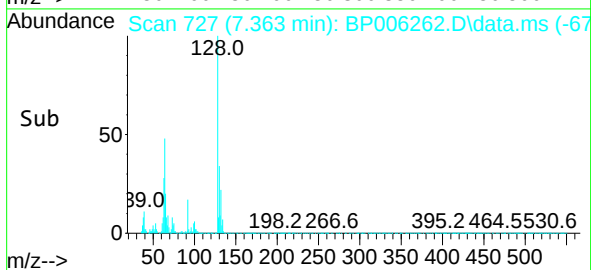
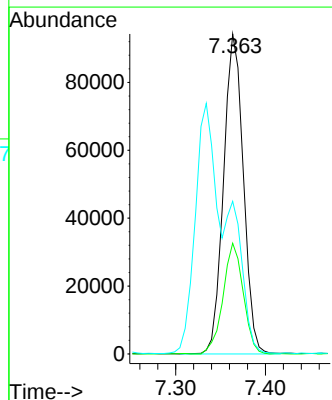
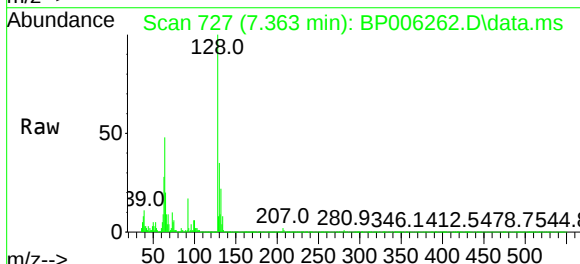
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.3  | 13.4  | 20.0  |
| 71  | 34.2  | 30.6  | 46.0  |

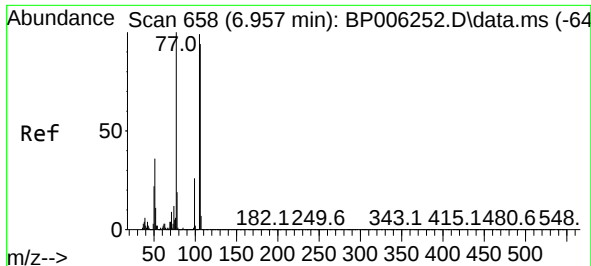


#8  
2-Chlorophenol  
Concen: 7.816 ng  
RT: 7.363 min Scan# 727  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 128 Resp: 144336

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 34.6  | 12.4  | 52.4  |
| 64  | 47.7  | 20.3  | 60.3  |

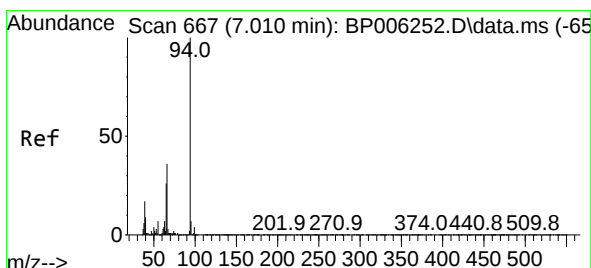
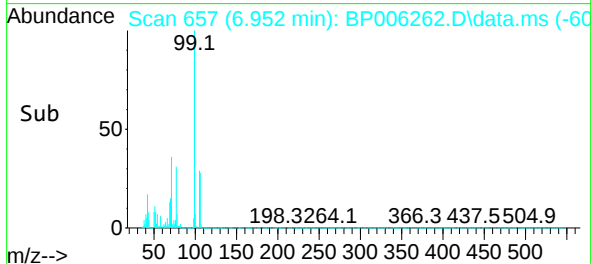
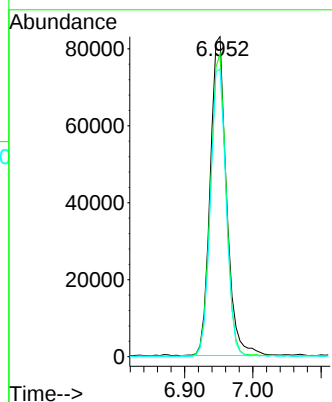
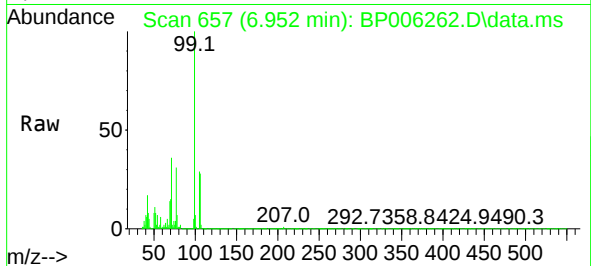




#9  
Benzaldehyde  
Concen: 10.536 ng  
RT: 6.952 min Scan# 657  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

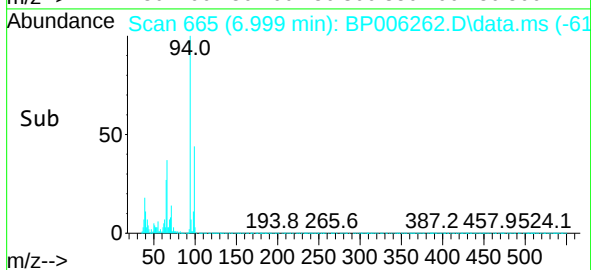
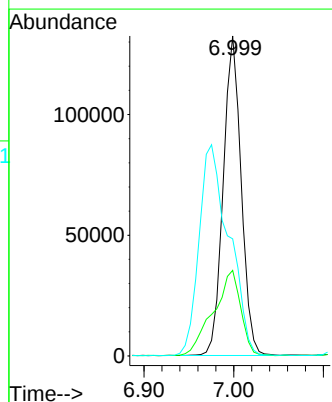
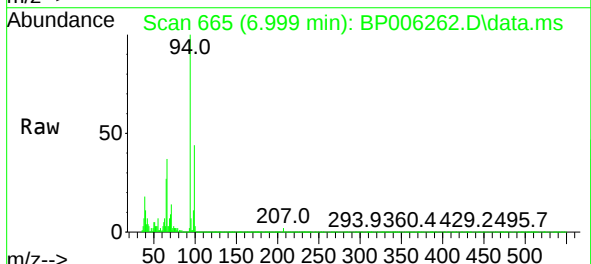
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

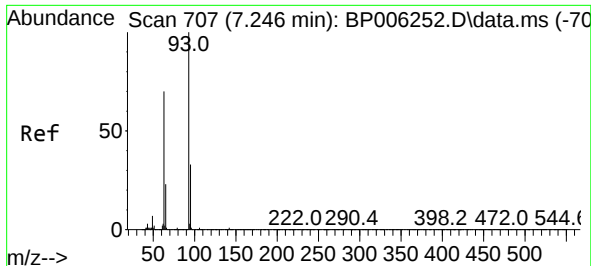
Tgt Ion: 77 Resp: 138706  
Ion Ratio Lower Upper  
77 100  
105 94.6 76.7 116.7  
106 89.8 76.2 116.2



#10  
Phenol  
Concen: 8.097 ng  
RT: 6.999 min Scan# 665  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

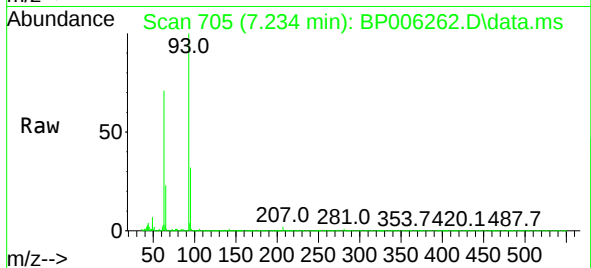
Tgt Ion: 94 Resp: 183674  
Ion Ratio Lower Upper  
94 100  
65 26.8 8.8 48.8  
66 36.6 20.7 60.7



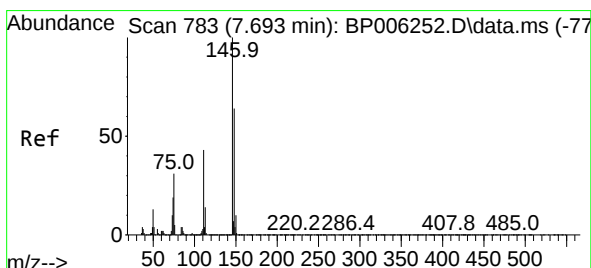
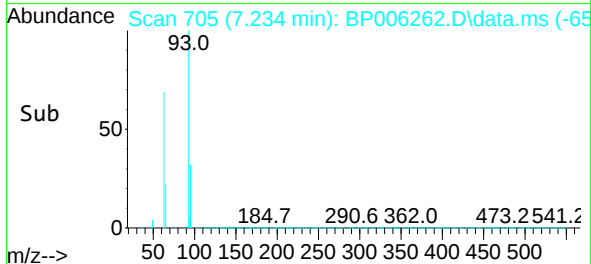
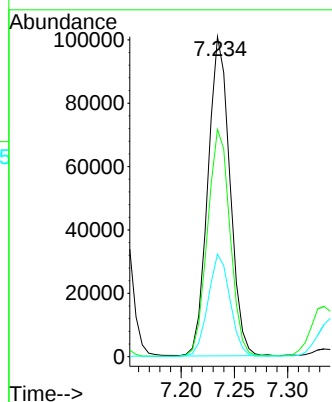


#11  
bis(2-Chloroethyl)ether  
Concen: 8.215 ng  
RT: 7.234 min Scan# 705  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

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

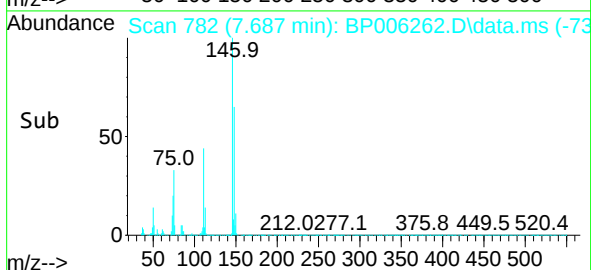
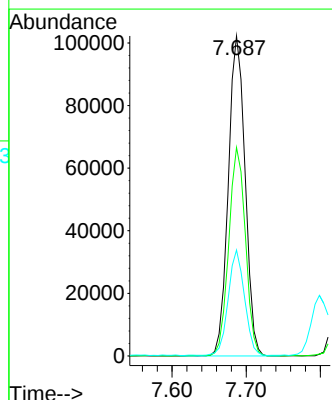
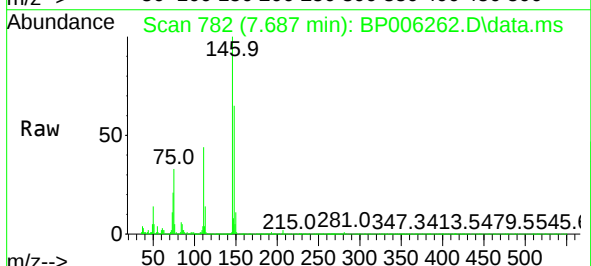


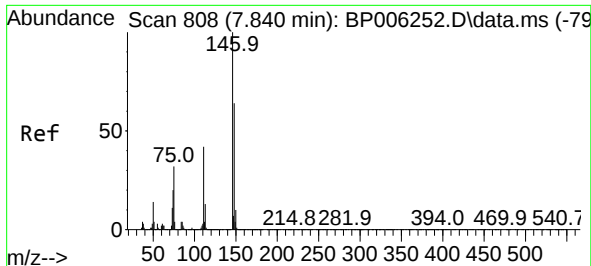
Tgt Ion: 93 Resp: 144335  
Ion Ratio Lower Upper  
93 100  
63 71.1 46.2 86.2  
95 32.1 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 7.939 ng  
RT: 7.687 min Scan# 782  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 146 Resp: 160628  
Ion Ratio Lower Upper  
146 100  
148 65.2 51.5 77.3  
75 33.1 25.7 38.5

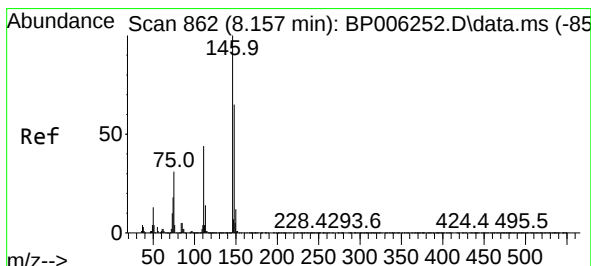
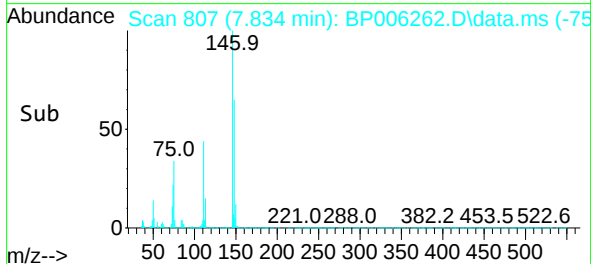
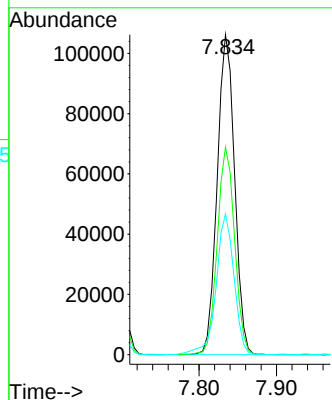
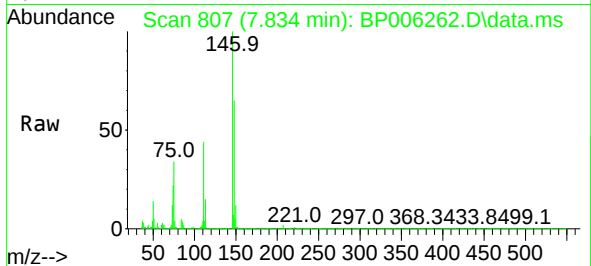




#13  
1,4-Dichlorobenzene  
Concen: 8.072 ng  
RT: 7.834 min Scan# 807  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

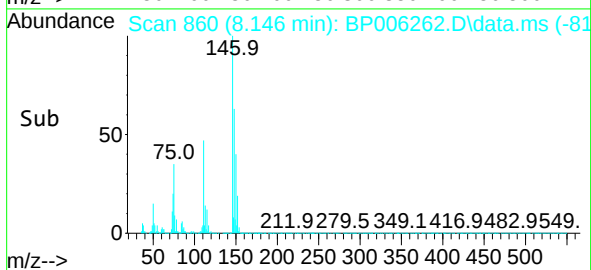
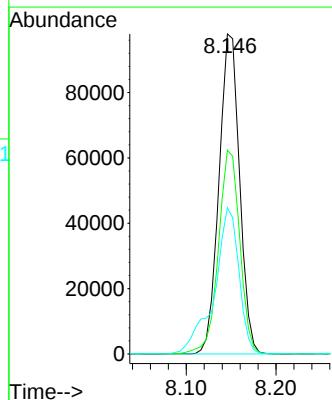
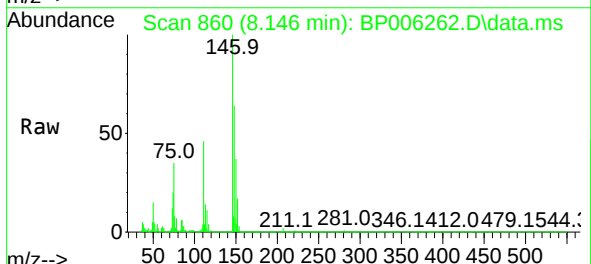
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

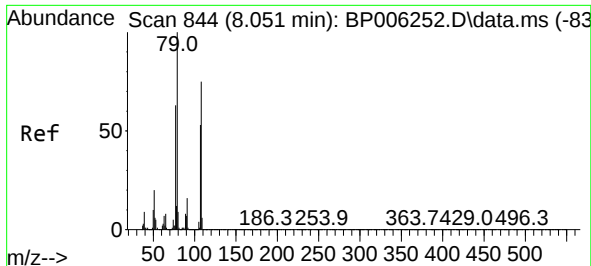
Tgt Ion:146 Resp: 165555  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.3 76.9  
111 44.0 33.0 49.6



#14  
1,2-Dichlorobenzene  
Concen: 7.935 ng  
RT: 8.146 min Scan# 860  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:146 Resp: 155885  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.3 75.5  
111 45.7 33.7 50.5

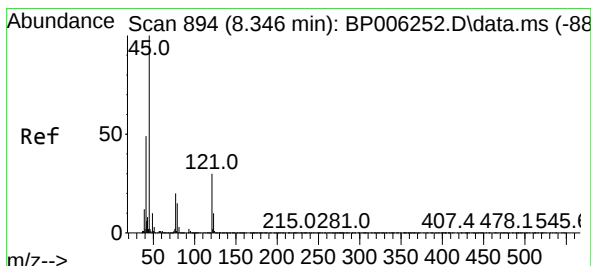
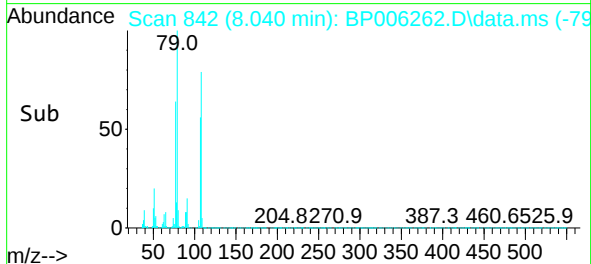
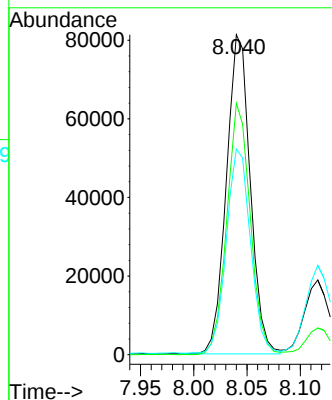
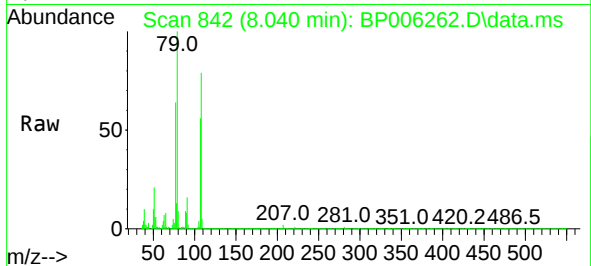




#15  
Benzyl Alcohol  
Concen: 7.684 ng  
RT: 8.040 min Scan# 842  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

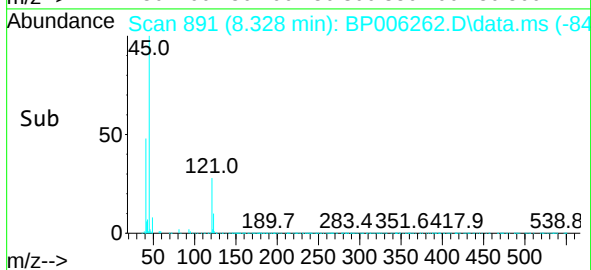
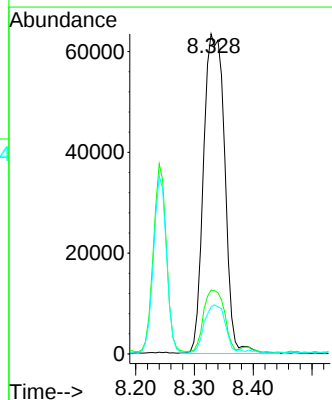
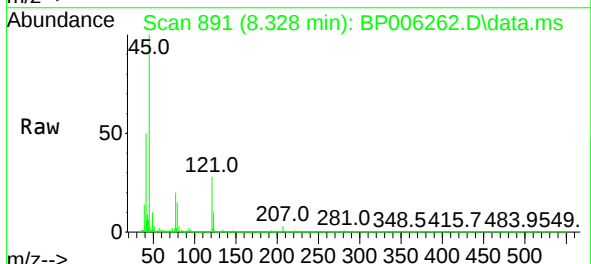
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

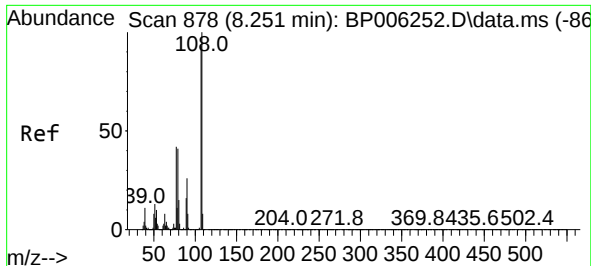
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 126480 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 78.6  | 62.5  | 93.7   |
| 77       | 64.3  | 52.9  | 79.3   |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.913 ng  
RT: 8.328 min Scan# 891  
Delta R.T. -0.017 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 157766 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 19.9  | 2.0   | 42.0   |
| 79       | 14.7  | 0.0   | 36.7   |

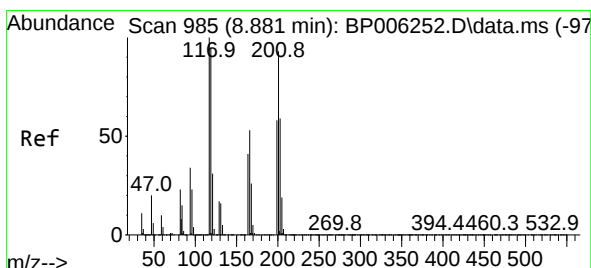
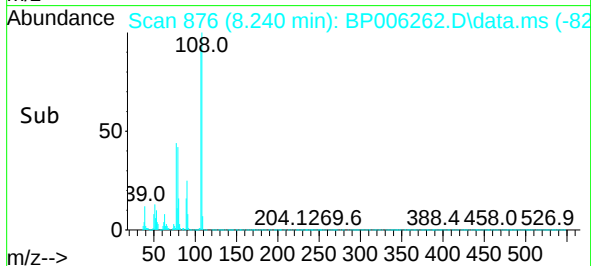
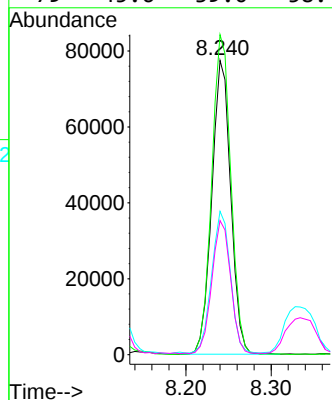
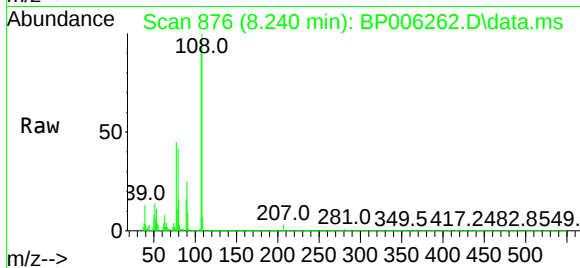




#17  
2-Methylphenol  
Concen: 7.935 ng  
RT: 8.240 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

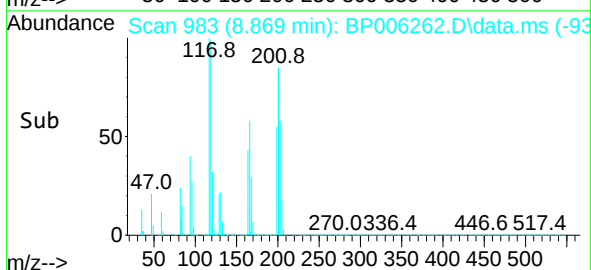
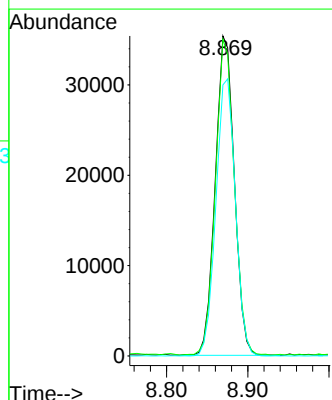
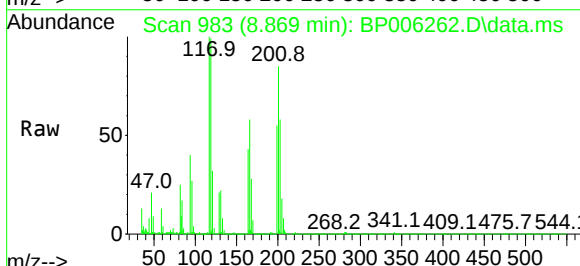
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

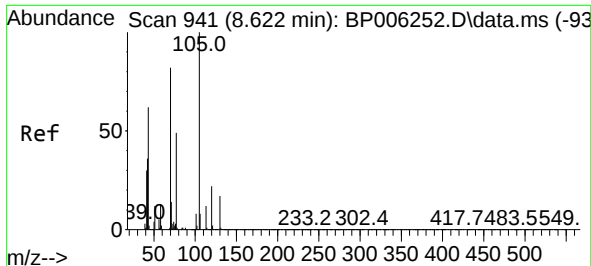
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 119386 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 108.7 | 87.7  | 131.5  |
| 77        | 48.7  | 40.2  | 60.2   |
| 79        | 45.6  | 39.0  | 58.4   |



#18  
Hexachloroethane  
Concen: 7.913 ng  
RT: 8.869 min Scan# 983  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 57697 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 99.0  | 76.2  | 114.2 |
| 201       | 86.5  | 83.4  | 125.0 |

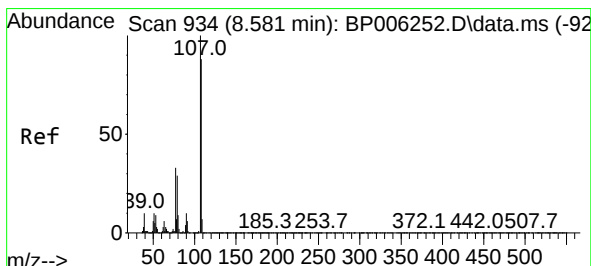
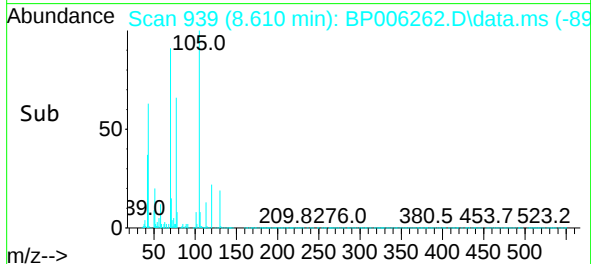
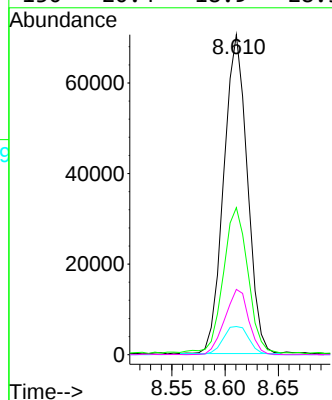
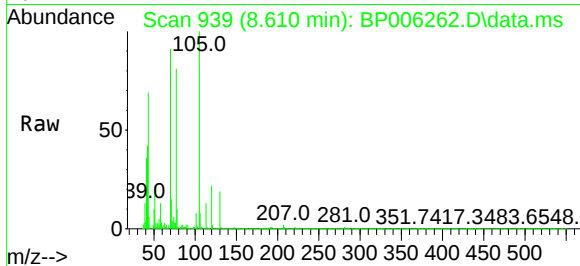




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.719 ng  
RT: 8.610 min Scan# 939  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

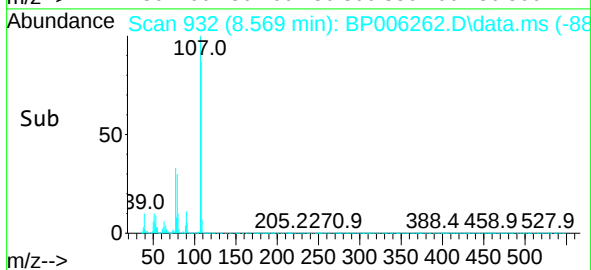
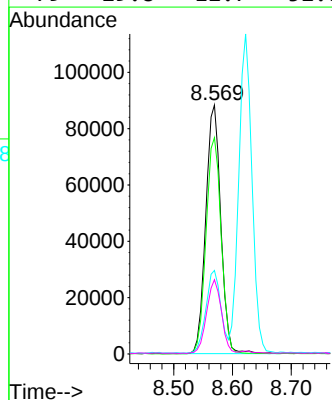
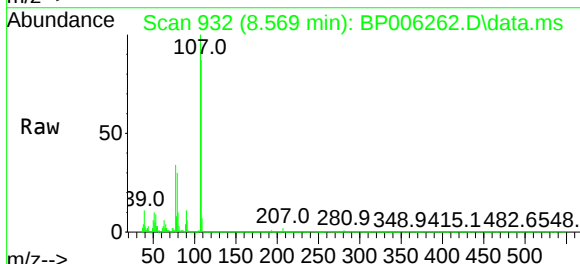
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

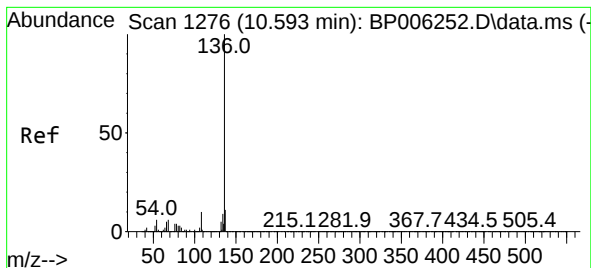
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 108123 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 45.9  | 40.8  | 61.2   |
| 101      | 8.8   | 8.8   | 13.2   |
| 130      | 20.4  | 18.9  | 28.3   |



#20  
3+4-Methylphenols  
Concen: 7.742 ng  
RT: 8.569 min Scan# 932  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 156892 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.9  | 71.0  | 111.0  |
| 77       | 33.5  | 16.6  | 56.6   |
| 79       | 29.8  | 12.7  | 52.7   |

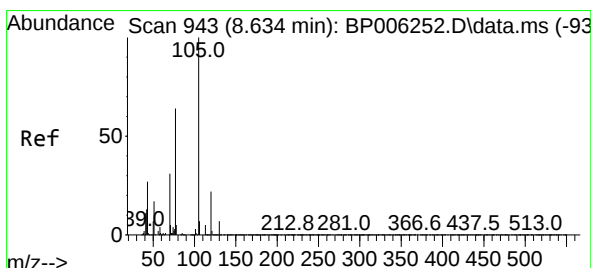
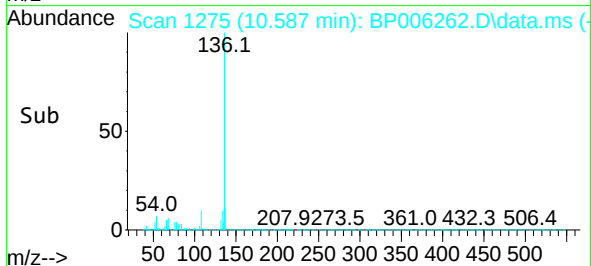
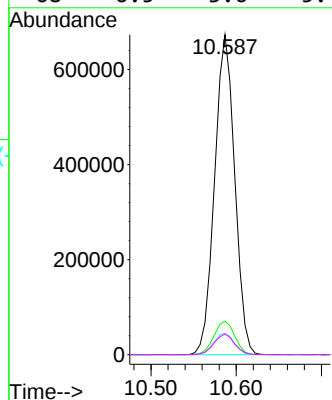
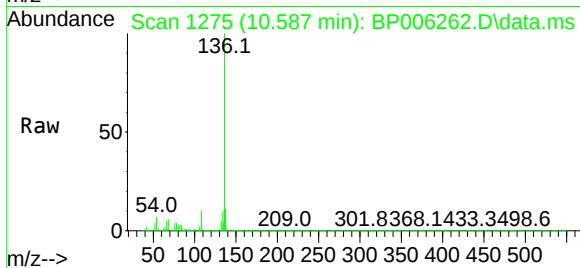




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.587 min Scan# 1275  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

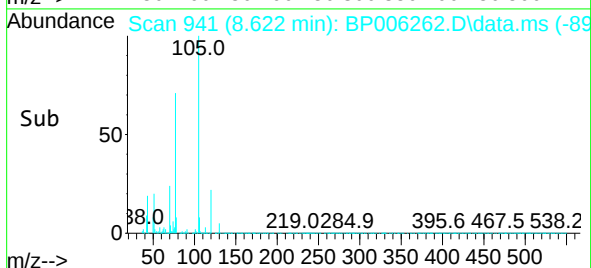
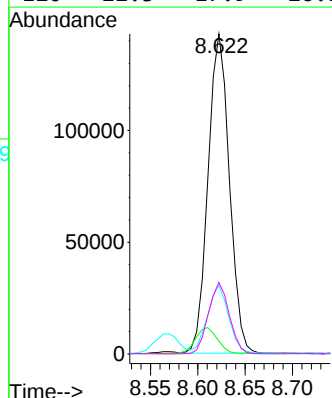
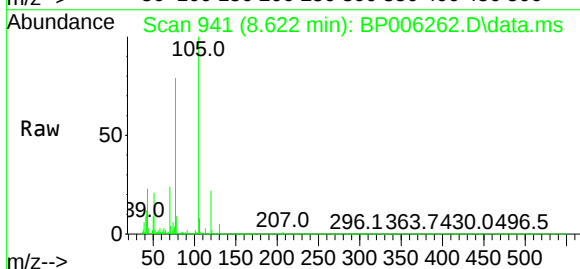
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

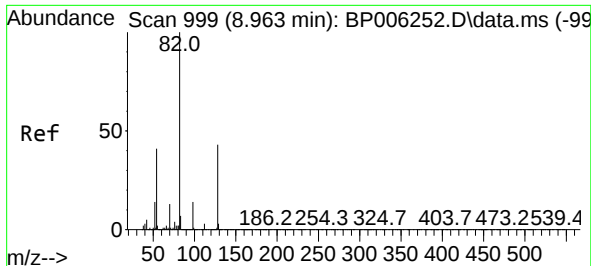
Tgt Ion:136 Resp: 1105749  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 12.8  
54 6.5 4.6 6.8  
68 6.5 3.6 5.4#



#22  
Acetophenone  
Concen: 8.389 ng  
RT: 8.622 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:105 Resp: 223863  
Ion Ratio Lower Upper  
105 100  
71 4.0 1.9 2.9#  
51 21.4 18.4 27.6  
120 22.3 17.9 26.9

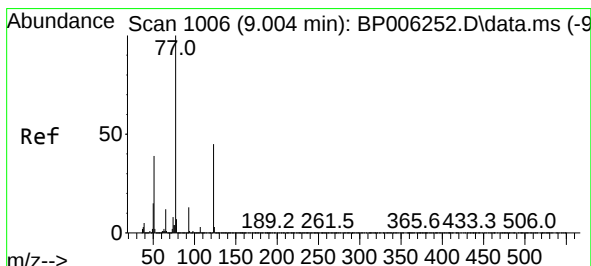
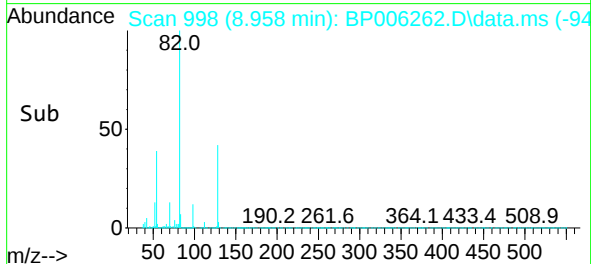
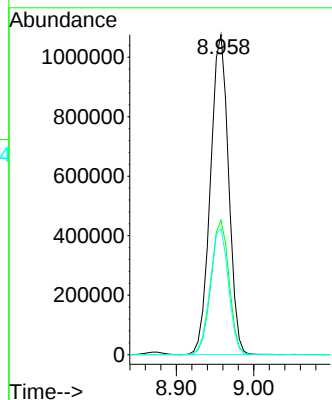
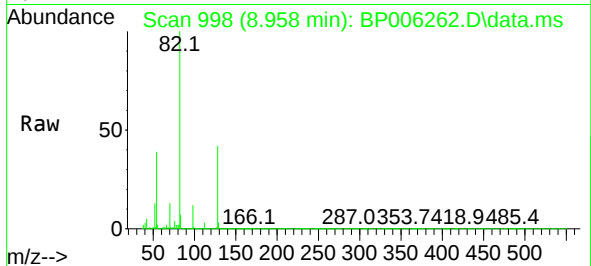




#23  
Nitrobenzene-d5  
Concen: 95.013 ng  
RT: 8.958 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

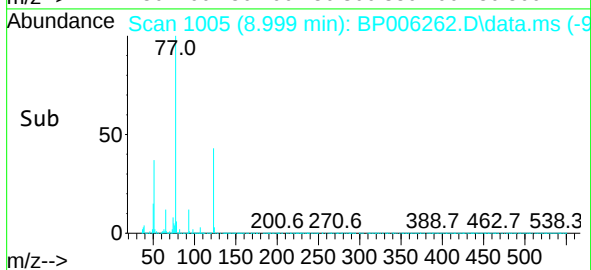
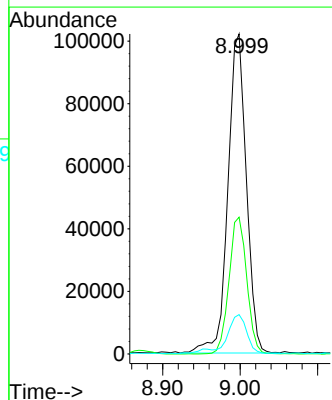
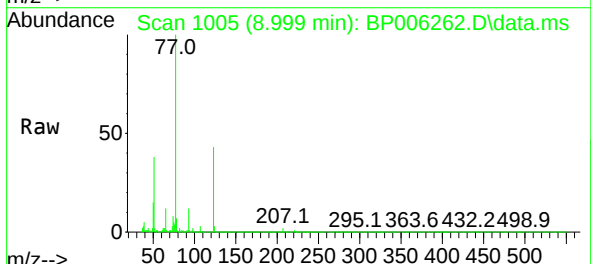
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

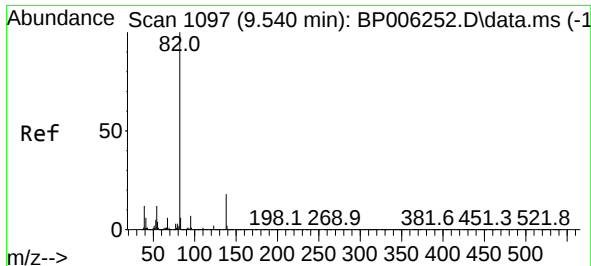
Tgt Ion: 82 Resp: 1744705  
Ion Ratio Lower Upper  
82 100  
128 42.0 35.7 53.5  
54 39.4 35.0 52.4



#24  
Nitrobenzene  
Concen: 8.676 ng  
RT: 8.999 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 77 Resp: 169383  
Ion Ratio Lower Upper  
77 100  
123 42.8 38.2 57.2  
65 12.3 11.4 17.2

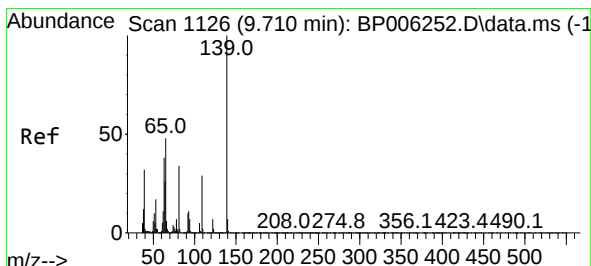
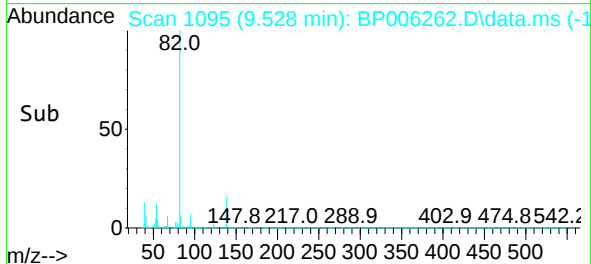
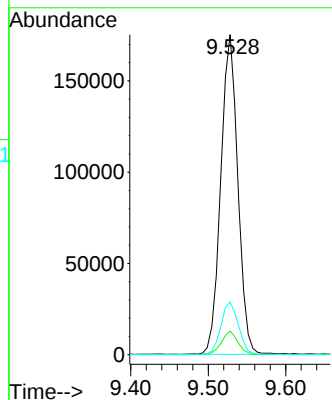
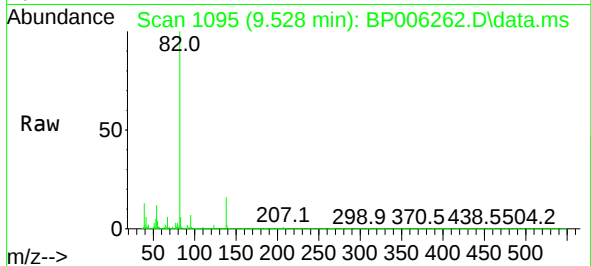




#25  
Isophorone  
Concen: 7.184 ng  
RT: 9.528 min Scan# 1095  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

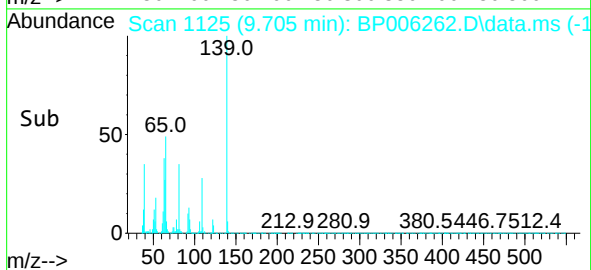
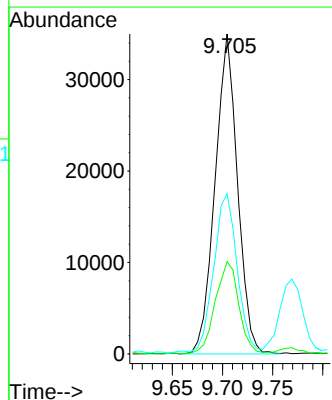
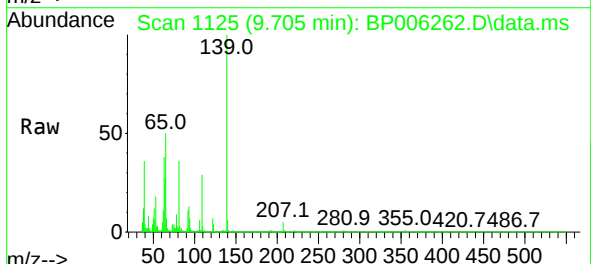
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

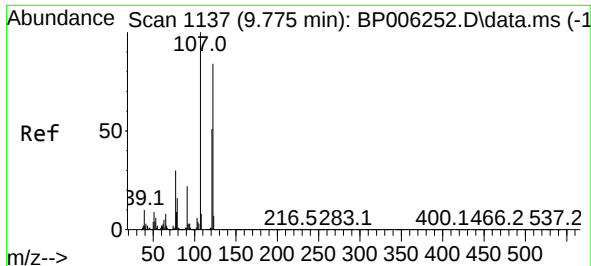
|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 269134 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 95 7.4      | 6.5 9.7      |
| 138 16.4    | 15.0 22.4    |



#26  
2-Nitrophenol  
Concen: 7.402 ng  
RT: 9.705 min Scan# 1125  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:139 | Resp: 54275 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 139 100     |             |       |  |
| 109 28.8    | 28.8        | 43.2  |  |
| 65 50.1     | 41.0        | 61.6  |  |

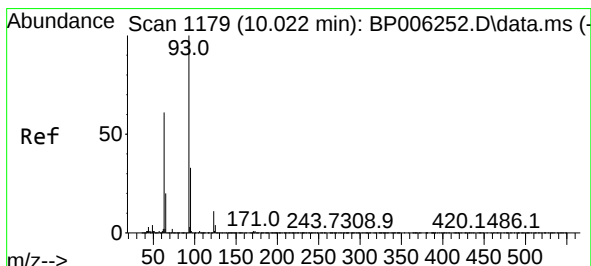
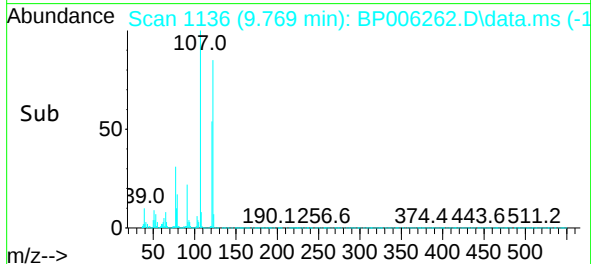
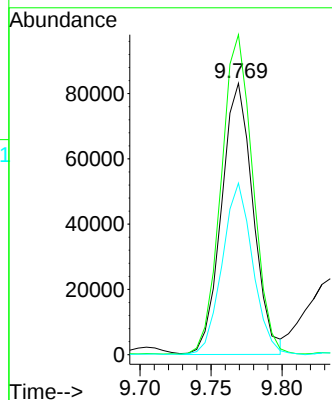
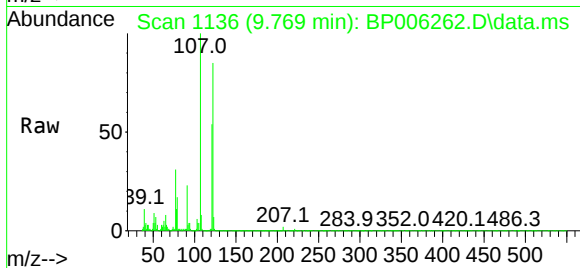




#27  
2,4-Dimethylphenol  
Concen: 8.681 ng  
RT: 9.769 min Scan# 1136  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

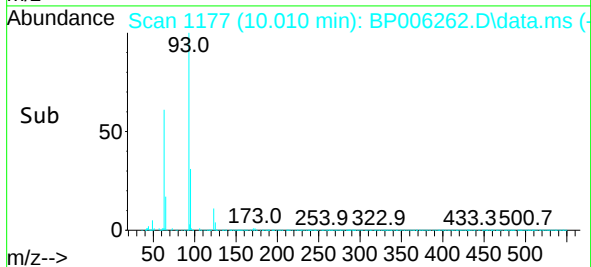
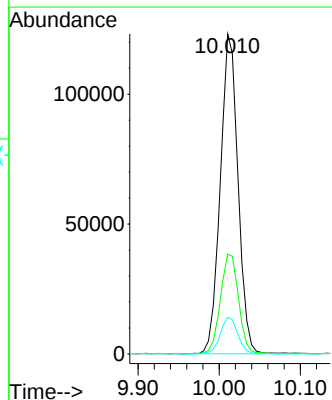
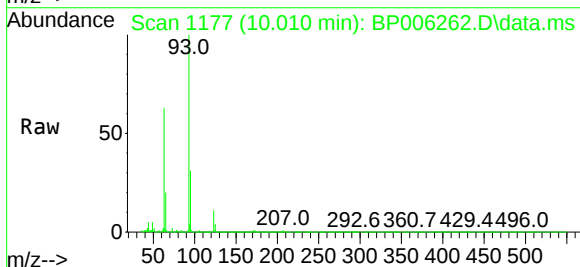
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

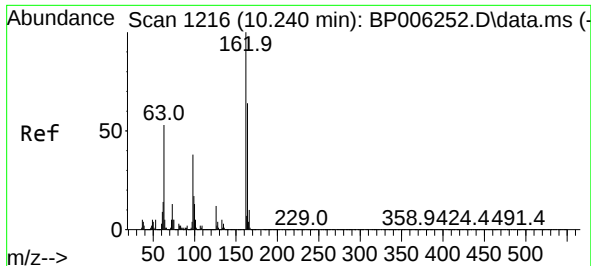
Tgt Ion:122 Resp: 128674  
Ion Ratio Lower Upper  
122 100  
107 117.9 94.5 141.7  
121 63.2 47.4 71.2



#28  
bis(2-Chloroethoxy)methane  
Concen: 8.838 ng  
RT: 10.010 min Scan# 1177  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 93 Resp: 186910  
Ion Ratio Lower Upper  
93 100  
95 31.2 25.9 38.9  
123 11.5 10.2 15.2

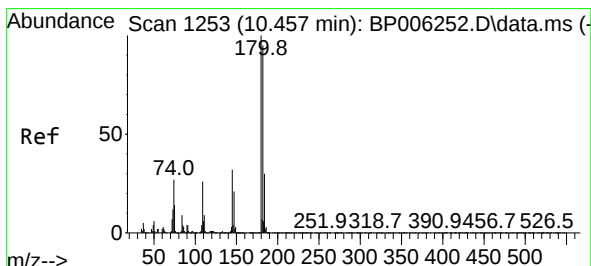
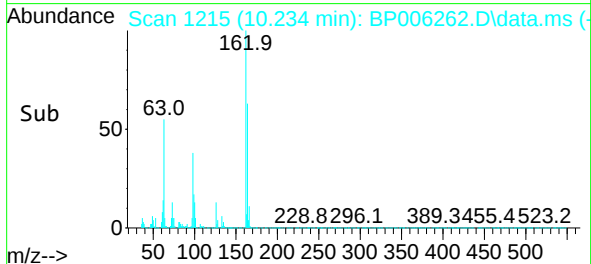
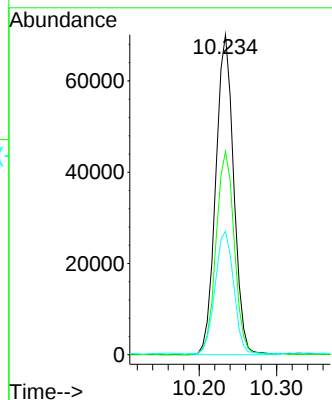
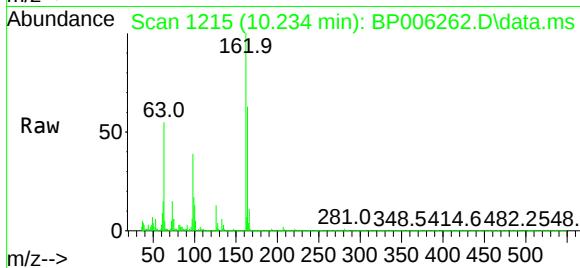




#29  
2,4-Dichlorophenol  
Concen: 7.385 ng  
RT: 10.234 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

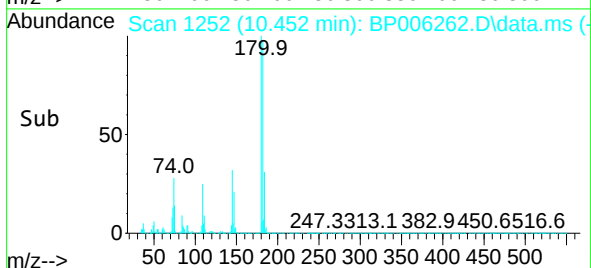
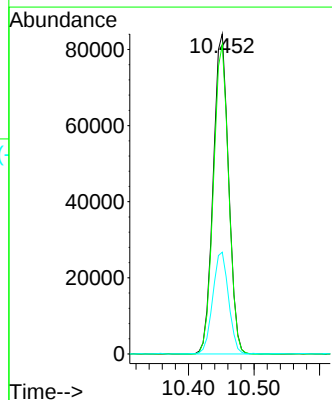
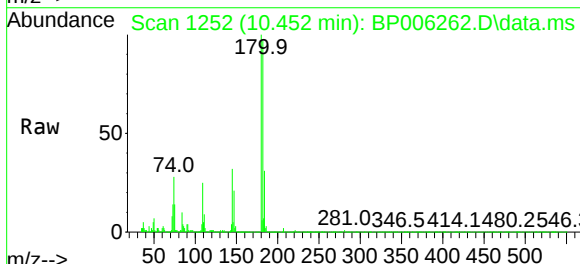
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

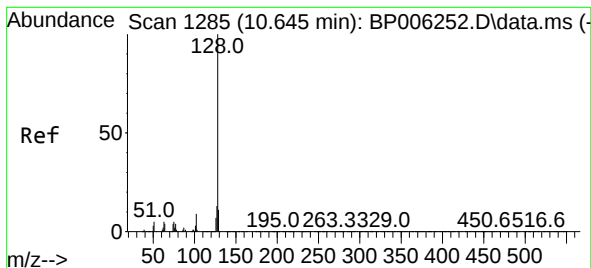
Tgt Ion:162 Resp: 112992  
Ion Ratio Lower Upper  
162 100  
164 63.5 44.9 84.9  
98 38.5 14.3 54.3



#30  
1,2,4-Trichlorobenzene  
Concen: 7.898 ng  
RT: 10.452 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:180 Resp: 136631  
Ion Ratio Lower Upper  
180 100  
182 96.6 77.9 116.9  
145 31.8 24.7 37.1

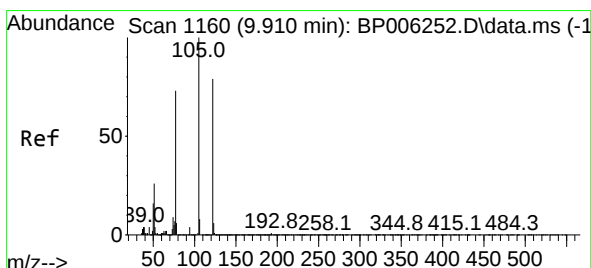
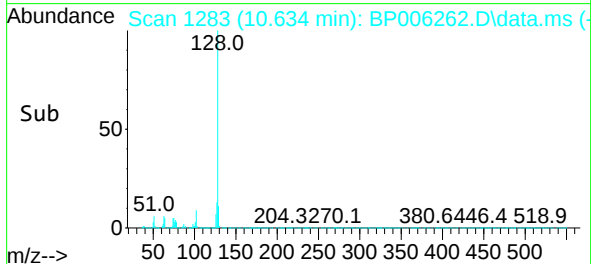
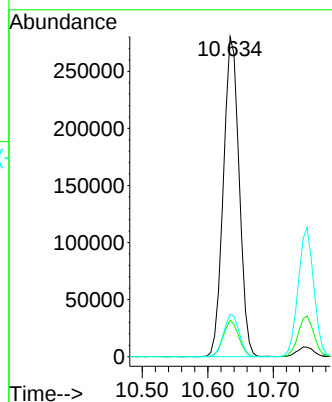
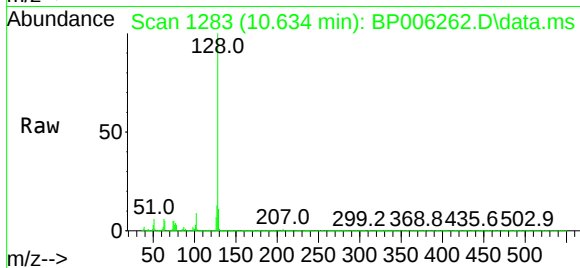




#31  
Naphthalene  
Concen: 8.036 ng  
RT: 10.634 min Scan# 1283  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

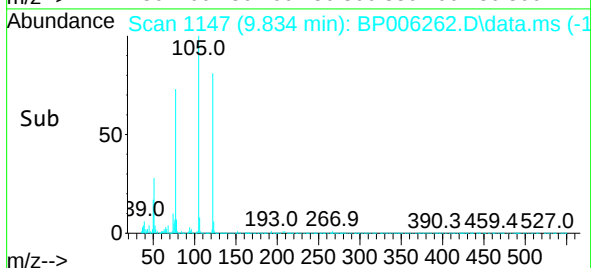
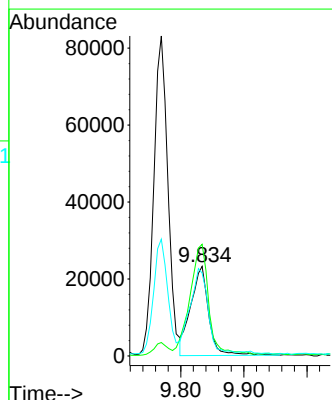
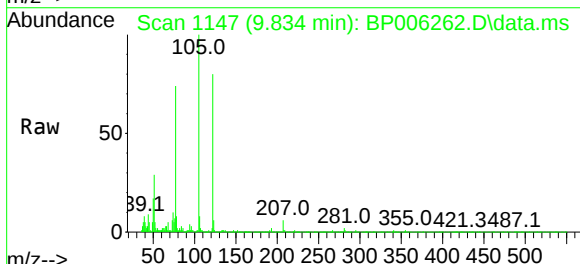
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

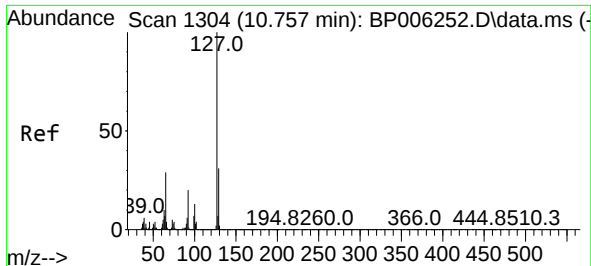
Tgt Ion:128 Resp: 466426  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.6  
127 13.3 10.7 16.1



#32  
Benzoic acid  
Concen: 4.968 ng  
RT: 9.834 min Scan# 1147  
Delta R.T. -0.076 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:122 Resp: 45699  
Ion Ratio Lower Upper  
122 100  
105 124.7 103.2 143.2  
77 92.6 76.2 116.2

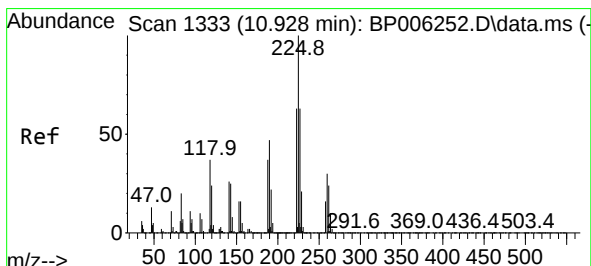
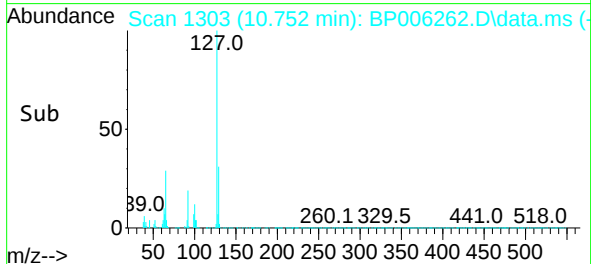
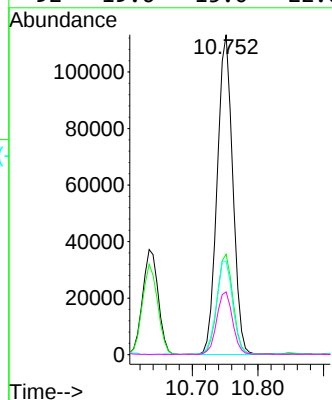
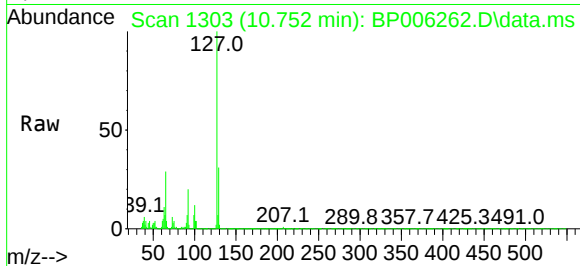




#33  
4-Chloroaniline  
Concen: 7.870 ng  
RT: 10.752 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

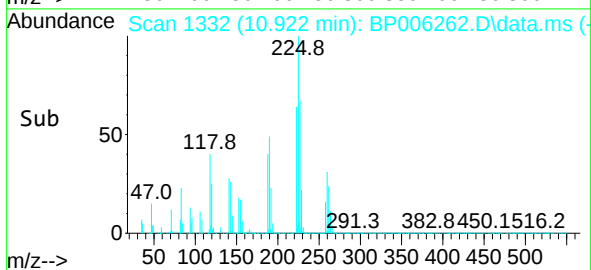
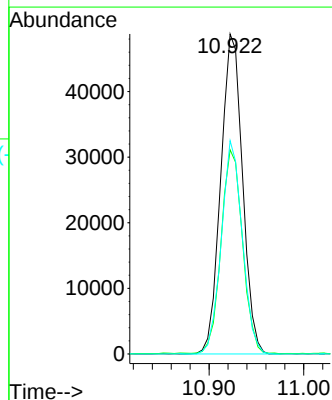
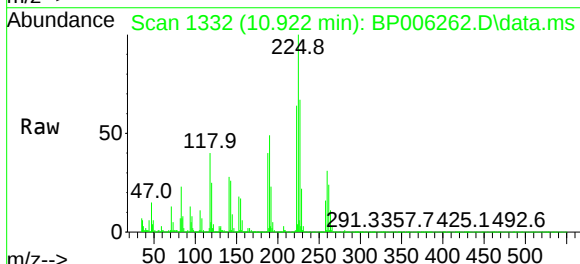
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BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

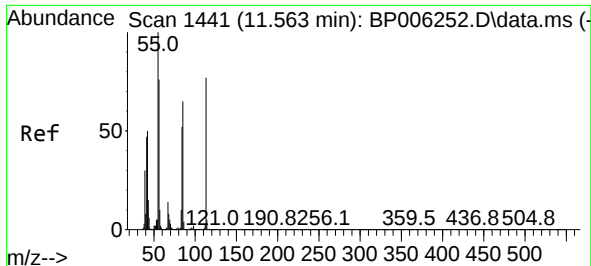
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 185940 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.4  | 26.1  | 39.1   |
| 65       | 29.2  | 22.5  | 33.7   |
| 92       | 19.6  | 15.0  | 22.6   |



#34  
Hexachlorobutadiene  
Concen: 7.587 ng  
RT: 10.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 77819 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.8  | 51.0  | 76.6  |
| 227      | 66.7  | 51.4  | 77.2  |

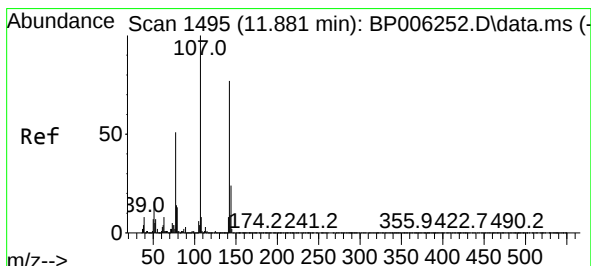
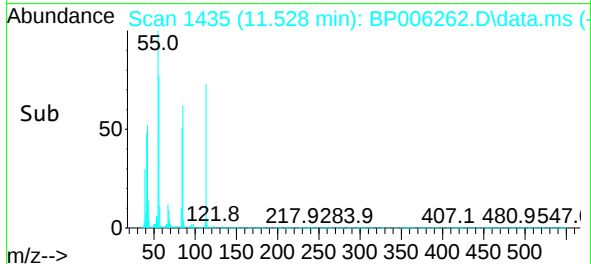
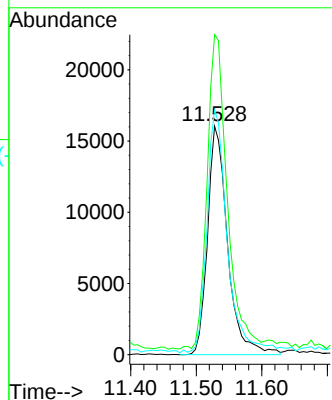
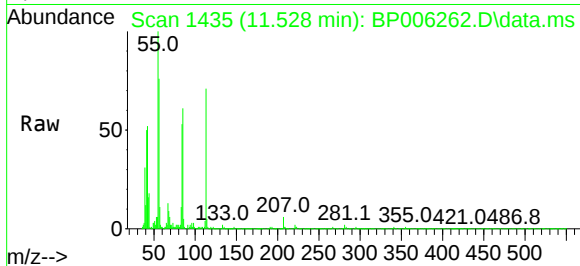




#35  
Caprolactam  
Concen: 7.402 ng  
RT: 11.528 min Scan# 1435  
Delta R.T. -0.035 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

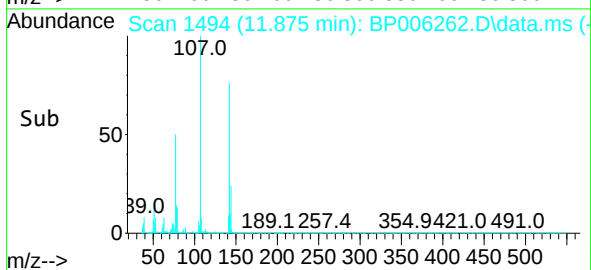
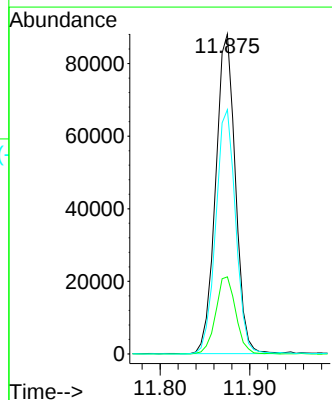
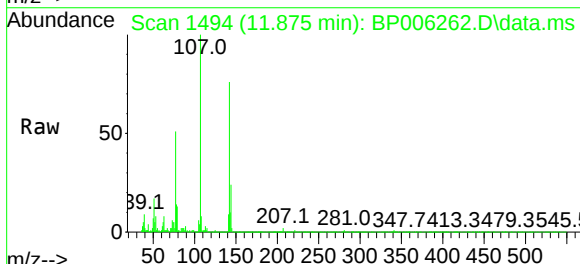
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

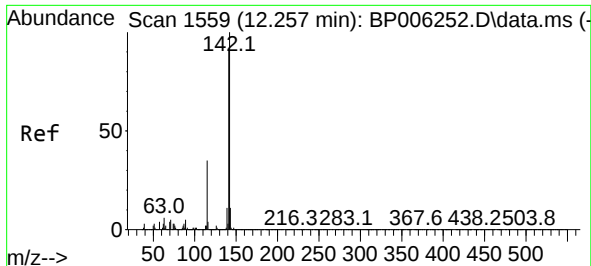
Tgt Ion:113 Resp: 34082  
Ion Ratio Lower Upper  
113 100  
55 140.0 98.9 138.9#  
56 107.1 71.7 111.7



#36  
4-Chloro-3-methylphenol  
Concen: 7.546 ng  
RT: 11.875 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:107 Resp: 134378  
Ion Ratio Lower Upper  
107 100  
144 24.1 21.1 31.7  
142 76.3 66.0 99.0

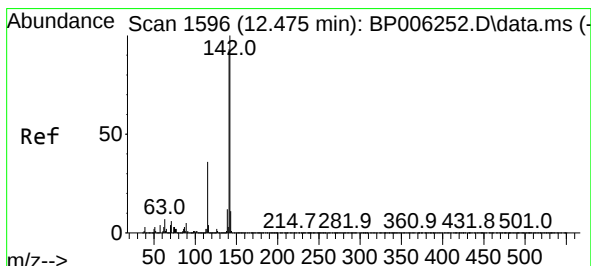
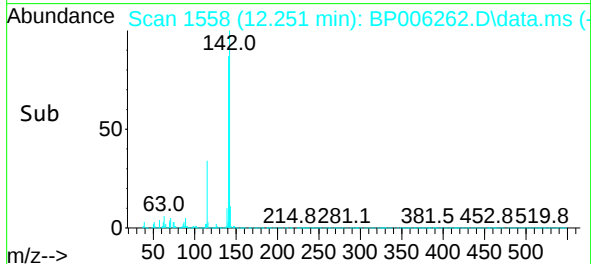
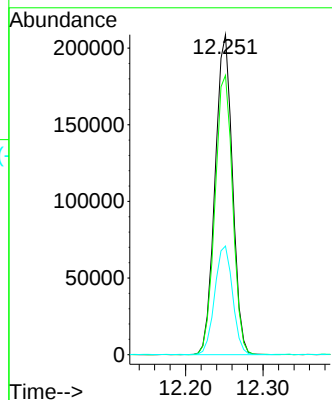
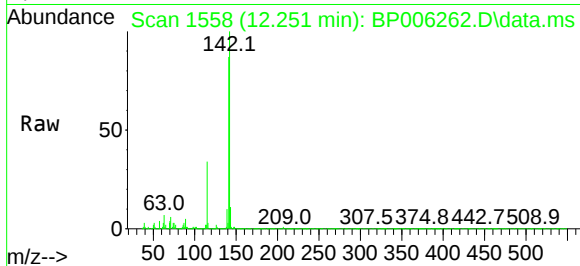




#37  
2-Methylnaphthalene  
Concen: 8.011 ng  
RT: 12.251 min Scan# 1558  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

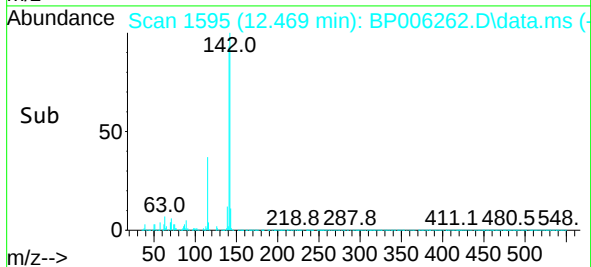
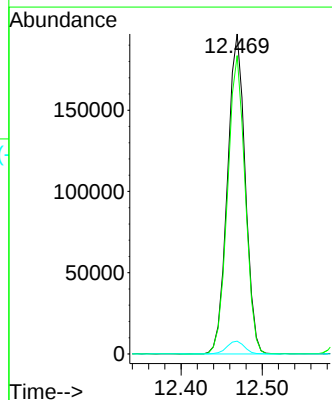
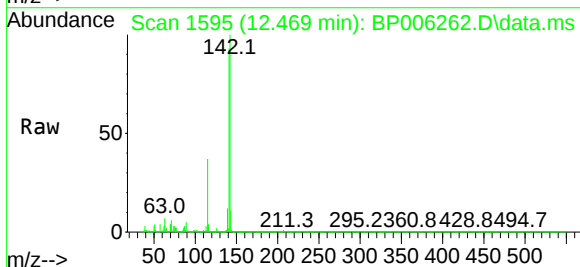
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

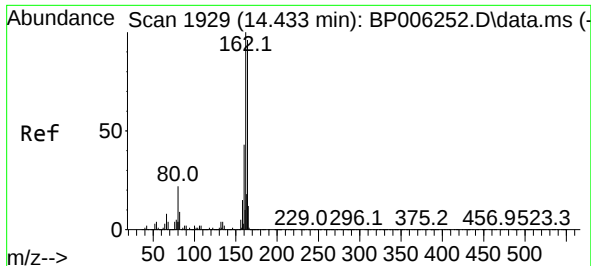
Tgt Ion:142 Resp: 324705  
Ion Ratio Lower Upper  
142 100  
141 87.3 71.8 107.6  
115 33.9 31.6 47.4



#38  
1-Methylnaphthalene  
Concen: 7.816 ng  
RT: 12.469 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:142 Resp: 299602  
Ion Ratio Lower Upper  
142 100  
141 93.2 73.3 109.9  
116 4.0 3.5 5.3

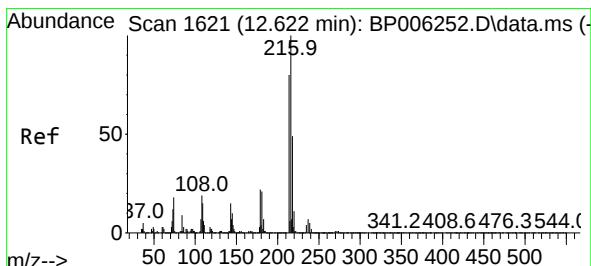
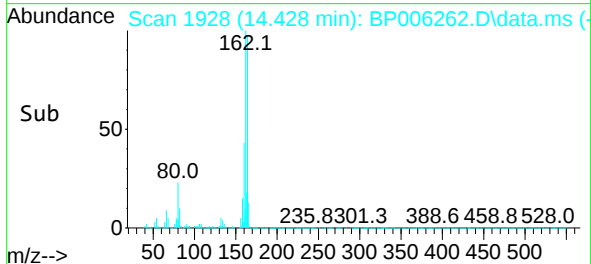
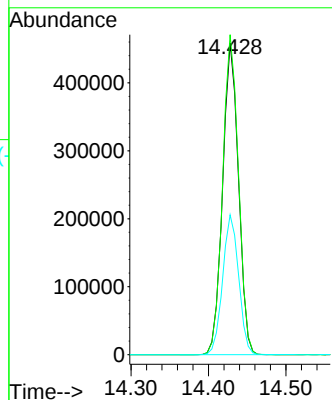
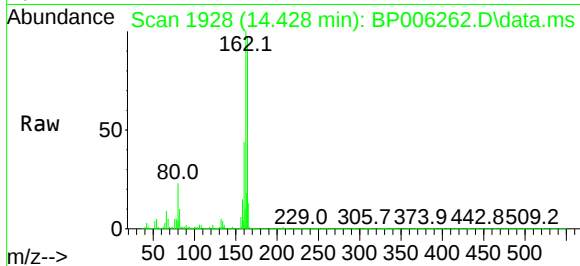




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.428 min Scan# 1928  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

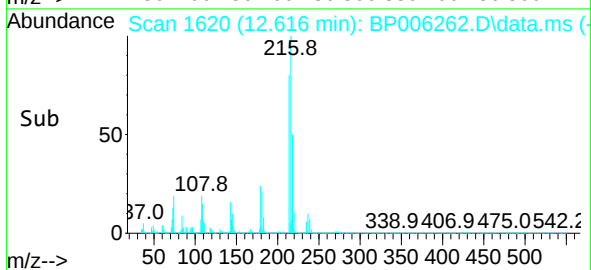
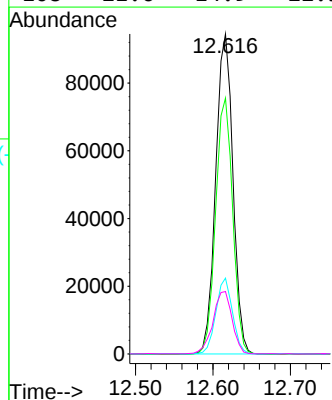
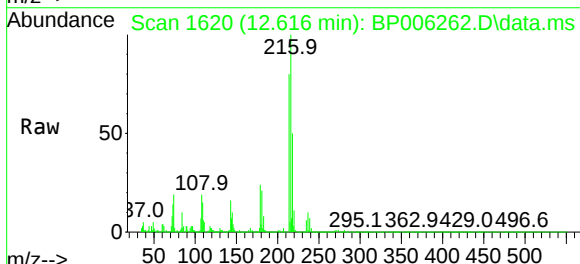
Instrument :  
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ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

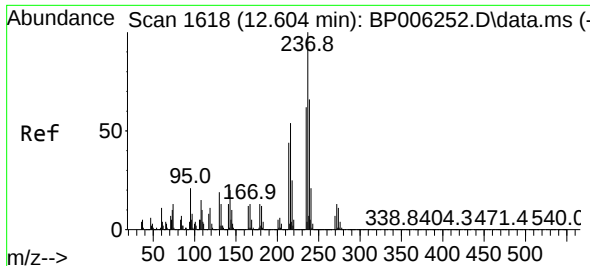
Tgt Ion:164 Resp: 650583  
Ion Ratio Lower Upper  
164 100  
162 102.7 80.2 120.2  
160 44.9 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 8.259 ng  
RT: 12.616 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:216 Resp: 145541  
Ion Ratio Lower Upper  
216 100  
214 79.3 61.9 92.9  
179 22.9 16.8 25.2  
108 21.6 14.9 22.3

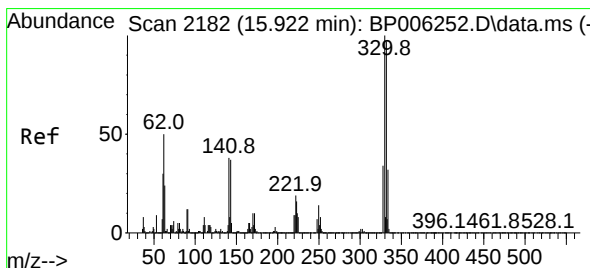
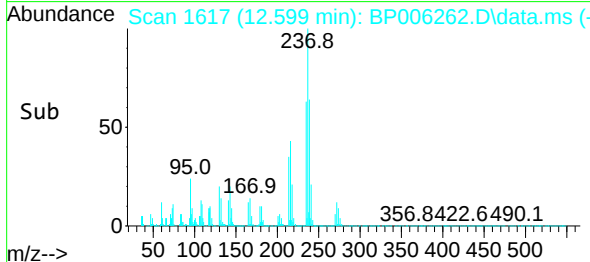
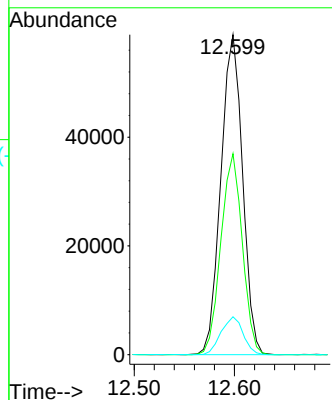
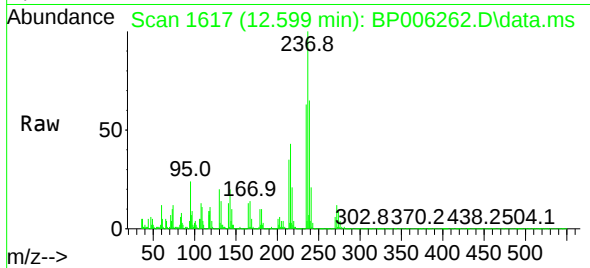




#41  
Hexachlorocyclopentadiene  
Concen: 9.147 ng  
RT: 12.599 min Scan# 1617  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

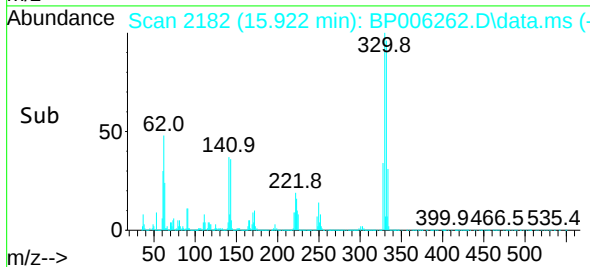
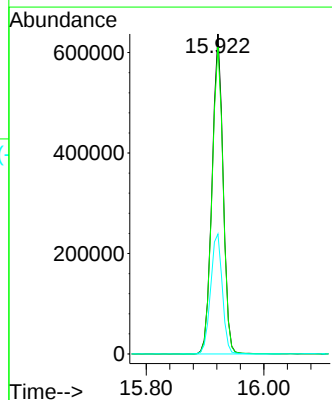
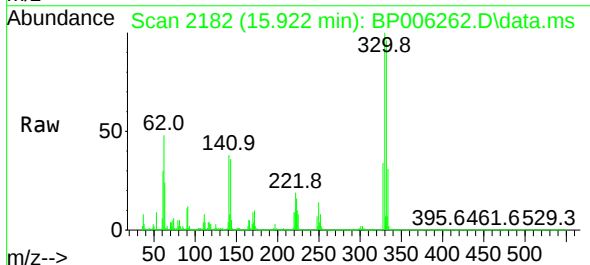
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BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

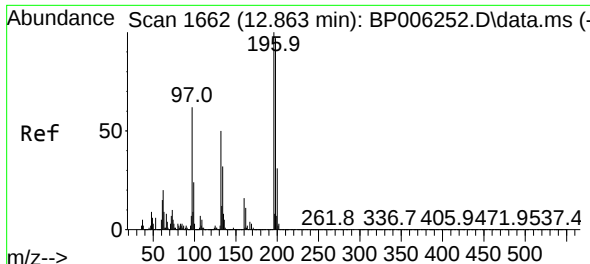
Tgt Ion:237 Resp: 88252  
Ion Ratio Lower Upper  
237 100  
235 62.8 44.5 84.5  
272 11.8 0.0 32.5



#42  
2,4,6-Tribromophenol  
Concen: 124.261 ng  
RT: 15.922 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:330 Resp: 832139  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.8 116.8  
141 39.7 25.4 38.2#

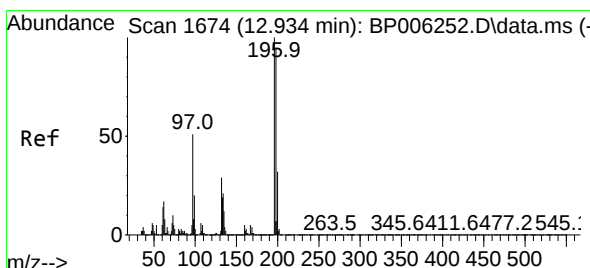
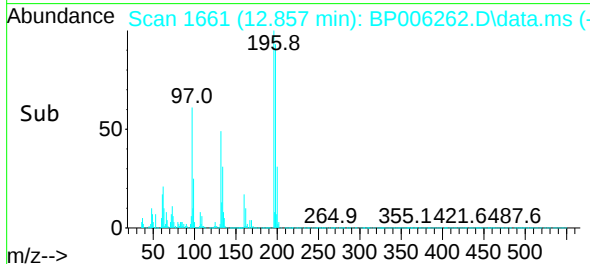
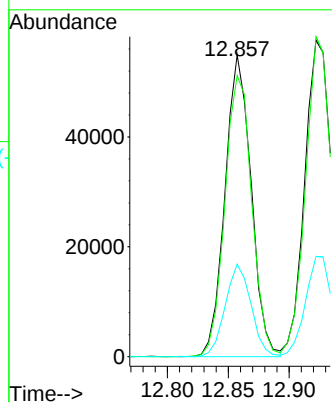
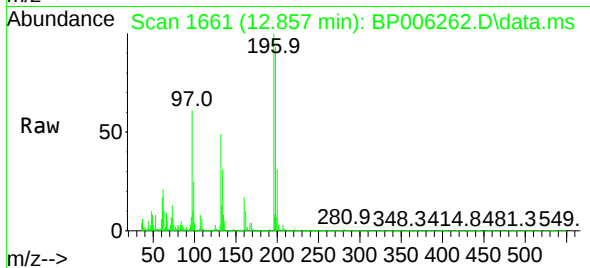




#43  
2,4,6-Trichlorophenol  
Concen: 7.448 ng  
RT: 12.857 min Scan# 1661  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

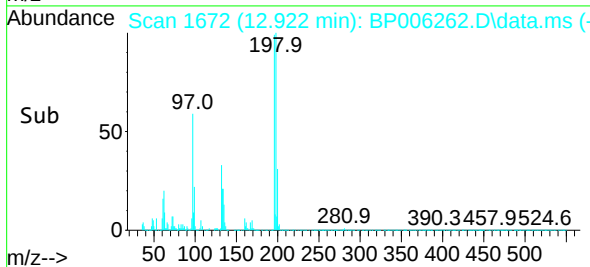
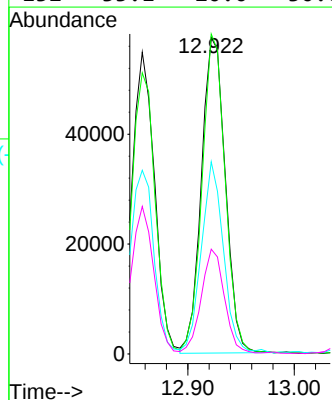
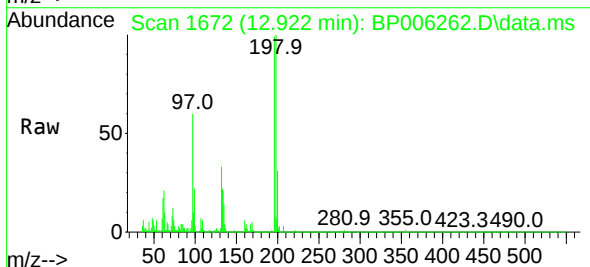
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

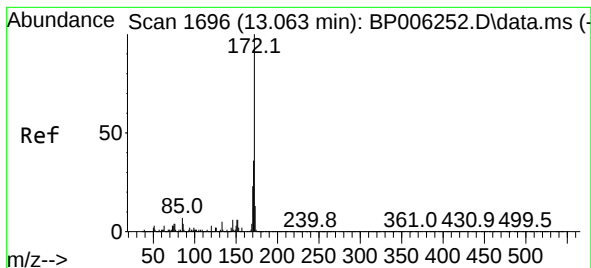
Tgt Ion:196 Resp: 82319  
Ion Ratio Lower Upper  
196 100  
198 93.1 79.5 119.3  
200 30.7 25.0 37.6



#44  
2,4,5-Trichlorophenol  
Concen: 7.549 ng  
RT: 12.922 min Scan# 1672  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:196 Resp: 89649  
Ion Ratio Lower Upper  
196 100  
198 101.1 74.7 112.1  
97 60.7 37.4 56.0#  
132 33.1 20.0 30.0#

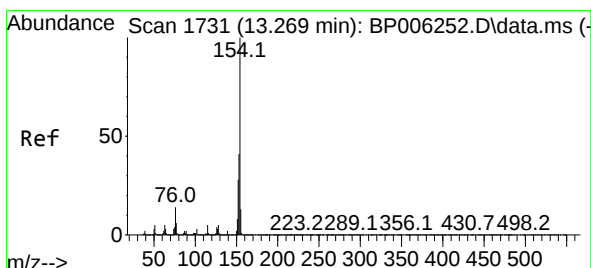
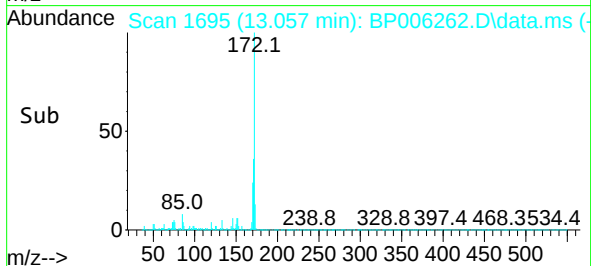
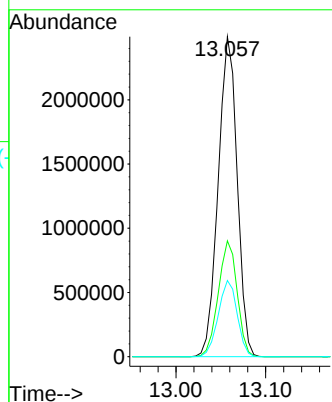
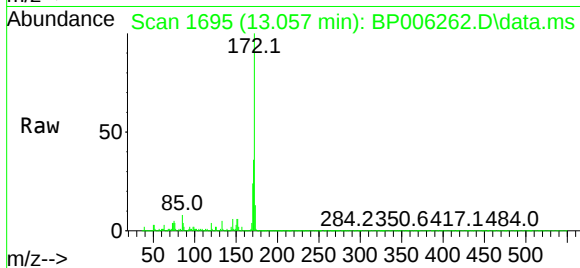




#45  
2-Fluorobiphenyl  
Concen: 85.627 ng  
RT: 13.057 min Scan# 1695  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

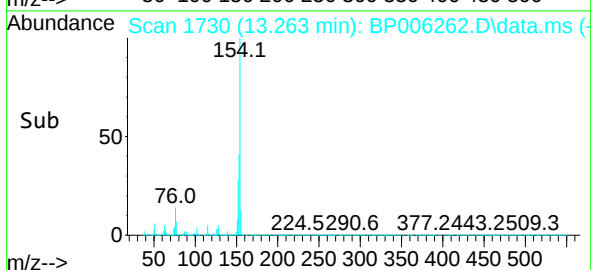
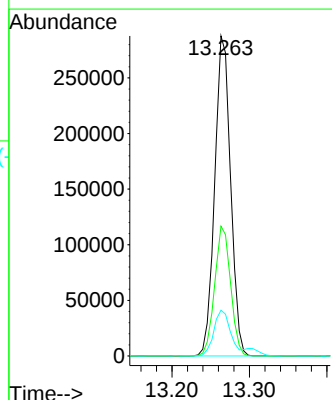
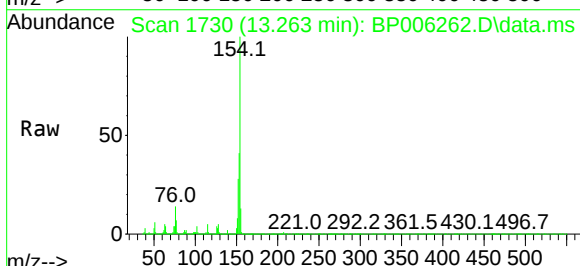
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

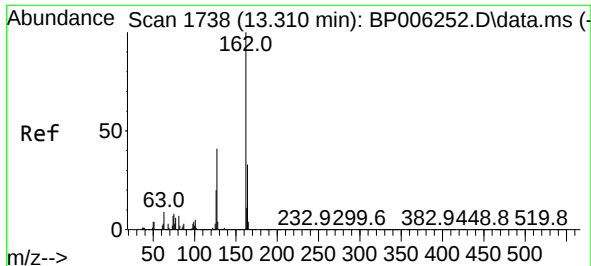
Tgt Ion:172 Resp: 3659845  
Ion Ratio Lower Upper  
172 100  
171 36.2 27.9 41.9  
170 23.8 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 8.526 ng  
RT: 13.263 min Scan# 1730  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:154 Resp: 408855  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.4 60.4  
76 14.3 0.0 30.8

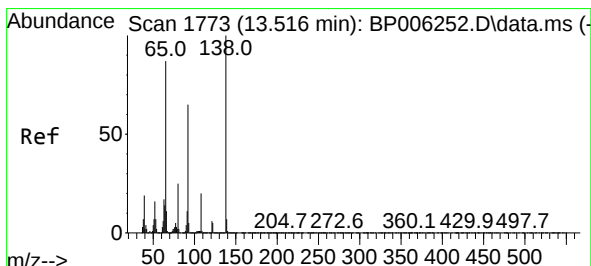
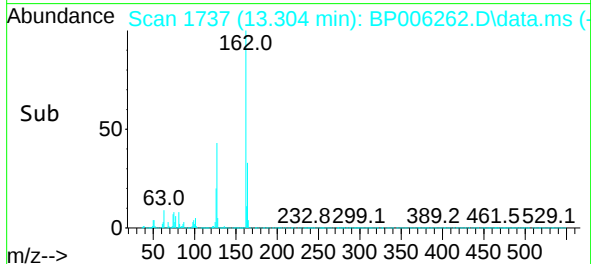
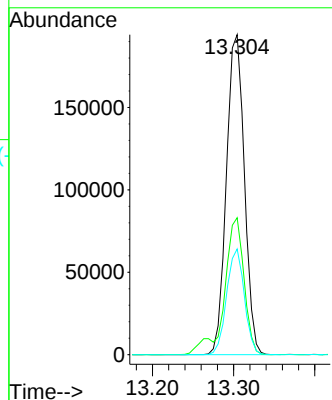
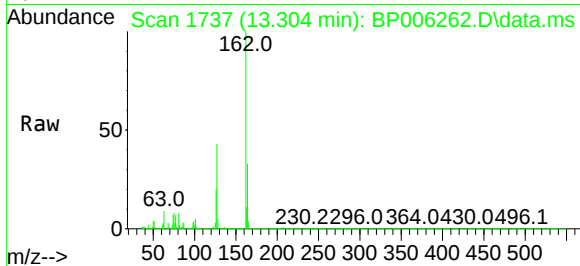




#47  
2-Chloronaphthalene  
Concen: 8.095 ng  
RT: 13.304 min Scan# 1737  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

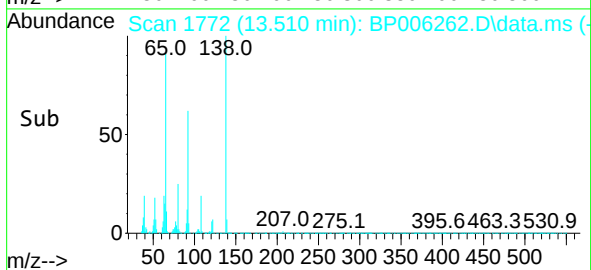
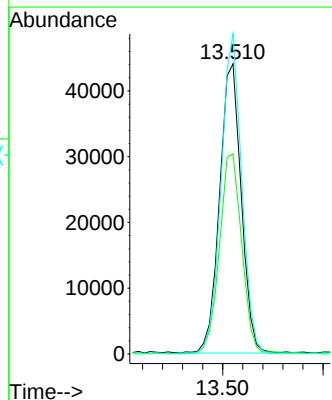
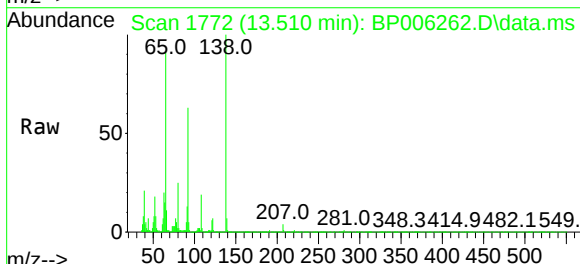
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

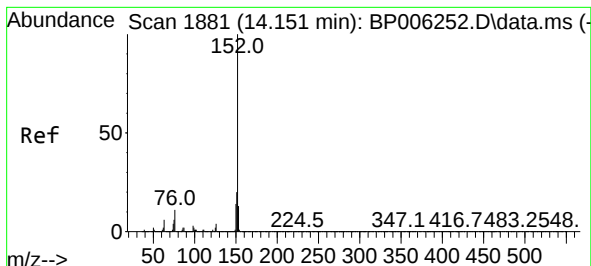
Tgt Ion:162 Resp: 298866  
Ion Ratio Lower Upper  
162 100  
127 42.8 31.4 47.0  
164 33.1 26.6 39.8



#48  
2-Nitroaniline  
Concen: 7.584 ng  
RT: 13.510 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion: 65 Resp: 65800  
Ion Ratio Lower Upper  
65 100  
92 69.0 57.7 86.5  
138 110.3 92.1 138.1

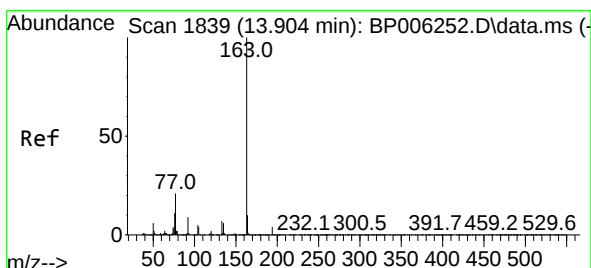
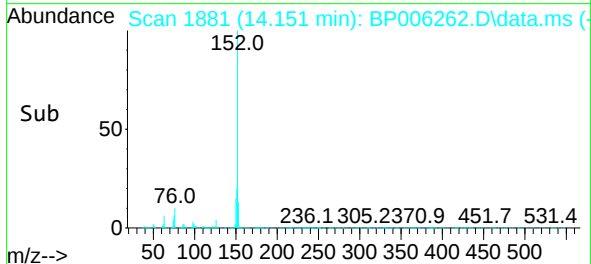
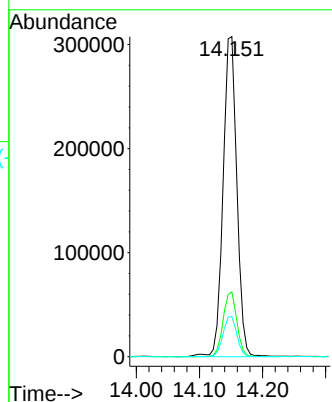
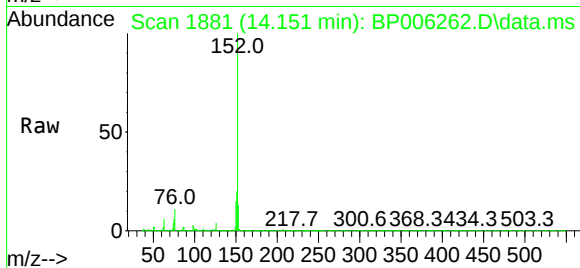




#49  
Acenaphthylene  
Concen: 7.936 ng  
RT: 14.151 min Scan# 1881  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

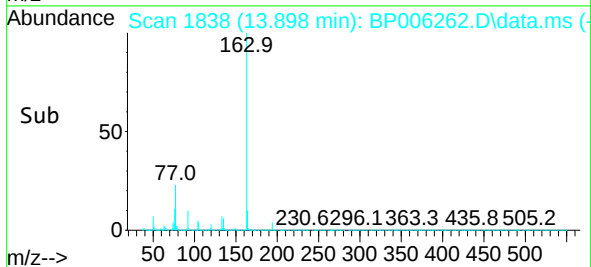
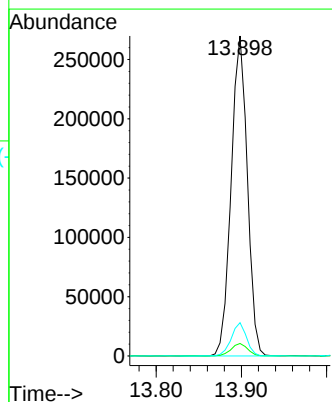
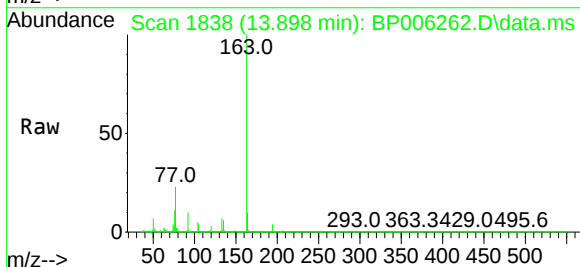
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

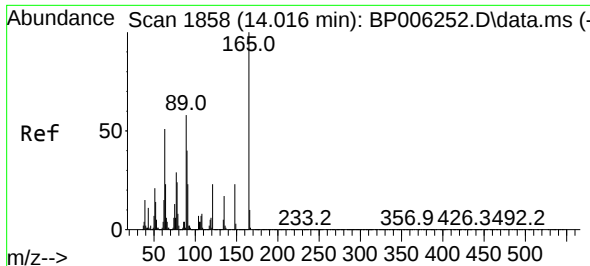
Tgt Ion:152 Resp: 466419  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.2  
153 12.5 10.6 16.0



#50  
Dimethylphthalate  
Concen: 7.791 ng  
RT: 13.898 min Scan# 1838  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:163 Resp: 355651  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.4 5.2  
164 10.4 8.2 12.2

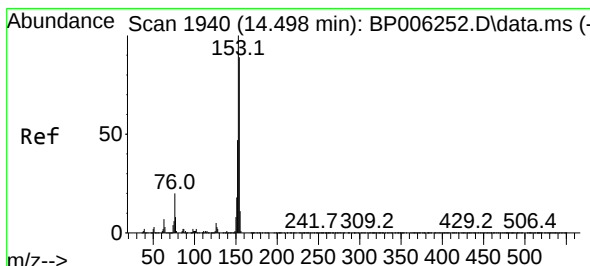
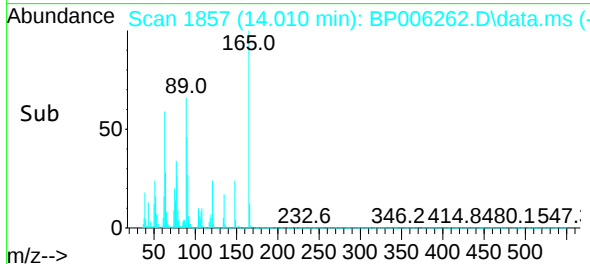
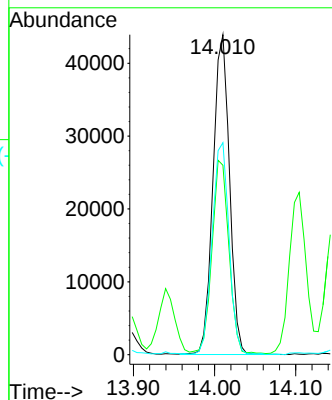
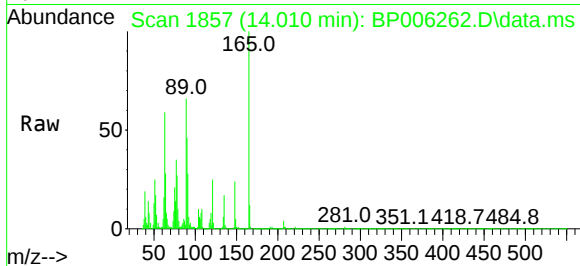




#51  
2,6-Dinitrotoluene  
Concen: 6.901 ng  
RT: 14.010 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

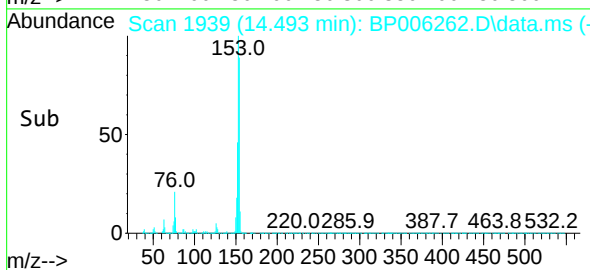
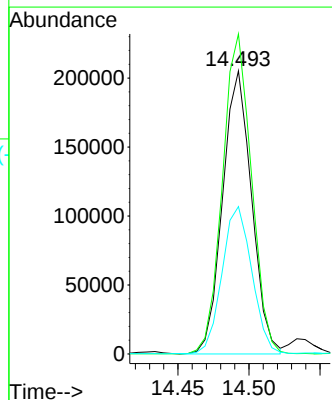
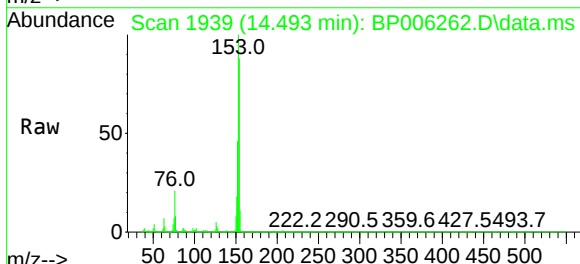
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

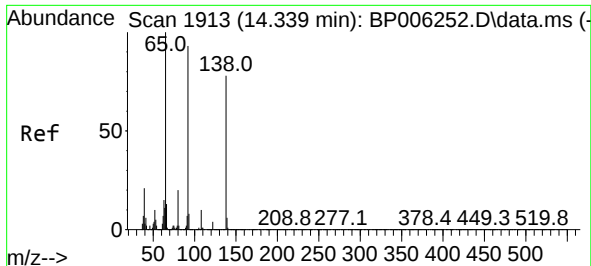
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 61832 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 59.2  | 41.3  | 61.9  |
| 89        | 66.2  | 44.8  | 67.2  |



#52  
Acenaphthene  
Concen: 8.009 ng  
RT: 14.493 min Scan# 1939  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 290995 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 113.0 | 89.4  | 134.2  |
| 152       | 52.0  | 43.0  | 64.4   |

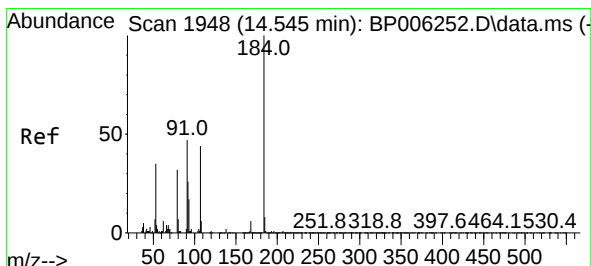
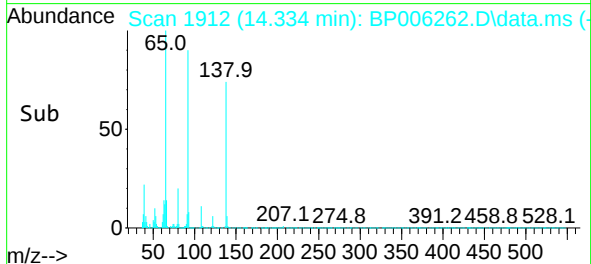
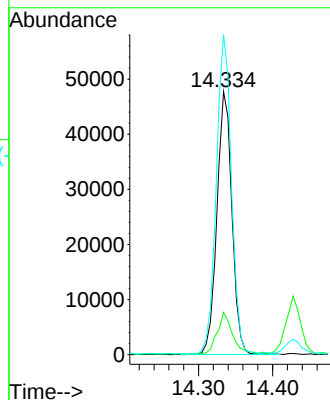
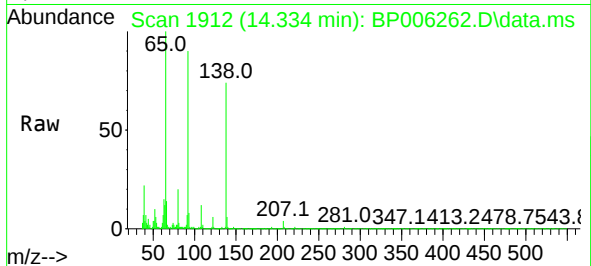




#53  
3-Nitroaniline  
Concen: 7.073 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

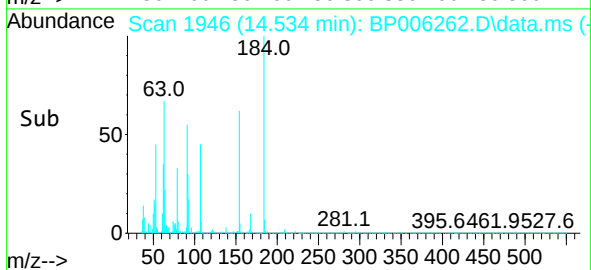
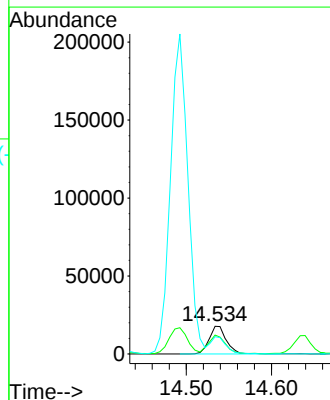
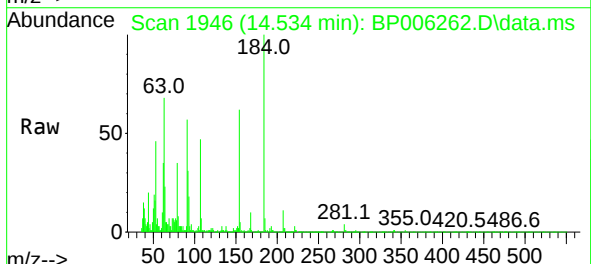
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

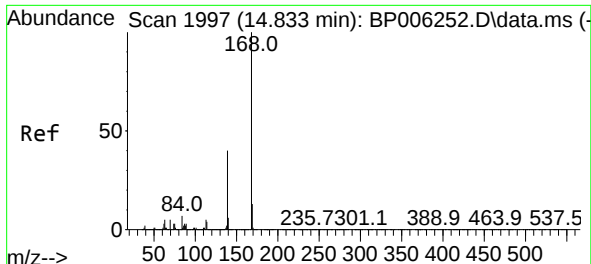
Tgt Ion:138 Resp: 67139  
Ion Ratio Lower Upper  
138 100  
108 16.0 8.4 12.6#  
92 121.6 87.8 131.8



#54  
2,4-Dinitrophenol  
Concen: 6.558 ng  
RT: 14.534 min Scan# 1946  
Delta R.T. -0.012 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:184 Resp: 24925  
Ion Ratio Lower Upper  
184 100  
63 68.0 47.0 70.6  
154 62.2 52.3 78.5

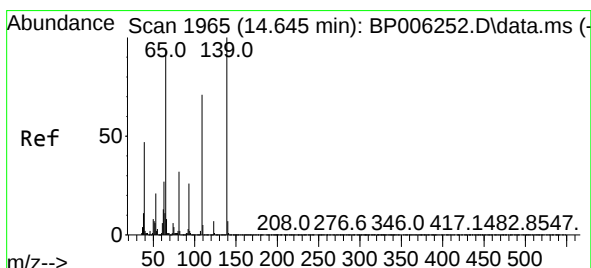
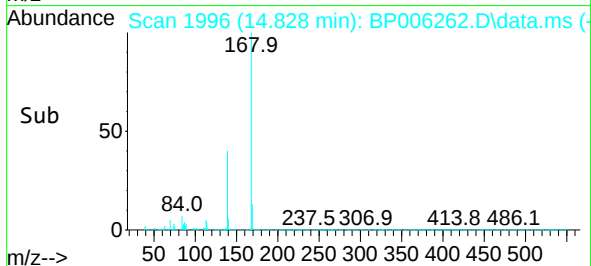
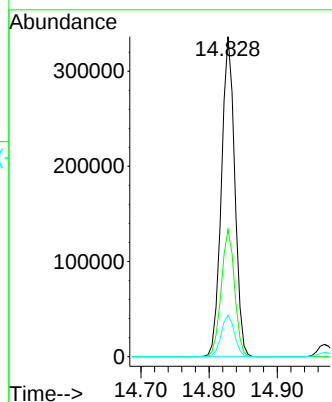
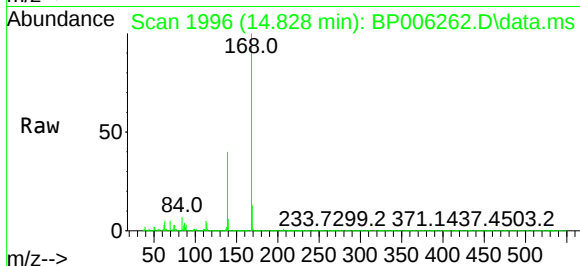




#55  
Dibenzofuran  
Concen: 7.984 ng  
RT: 14.828 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

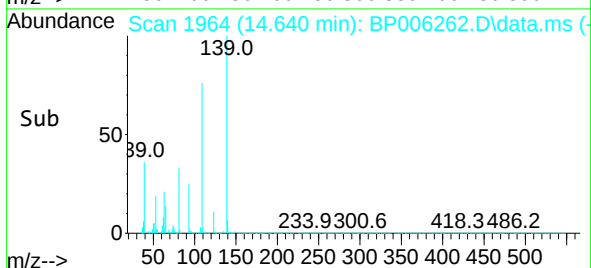
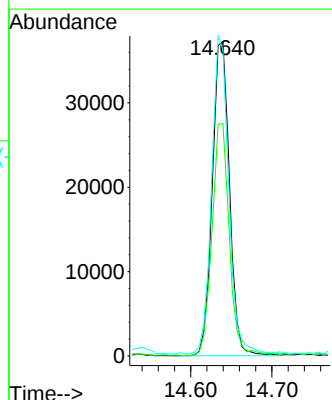
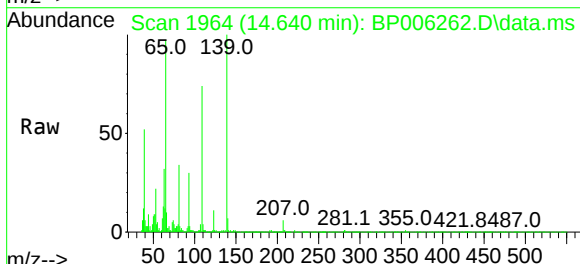
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

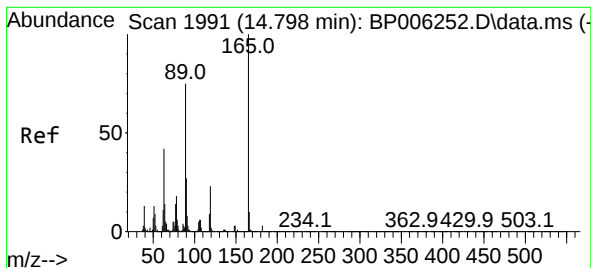
Tgt Ion:168 Resp: 457999  
Ion Ratio Lower Upper  
168 100  
139 39.7 31.0 46.6  
169 13.0 10.8 16.2



#56  
4-Nitrophenol  
Concen: 6.505 ng  
RT: 14.640 min Scan# 1964  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:139 Resp: 54792  
Ion Ratio Lower Upper  
139 100  
109 73.9 72.3 112.3  
65 97.4 72.5 112.5

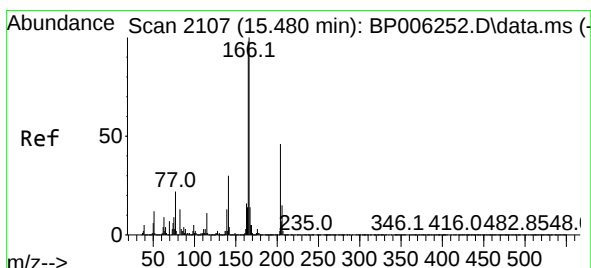
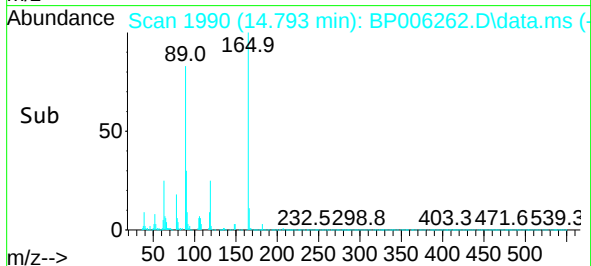
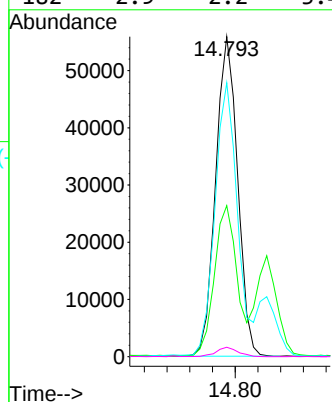
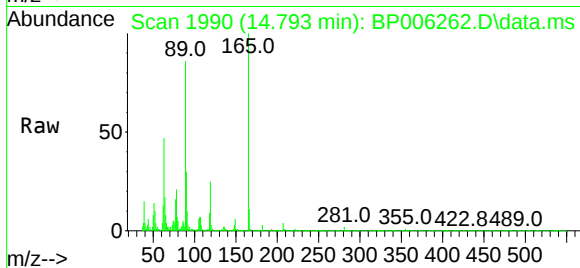




#57  
2,4-Dinitrotoluene  
Concen: 6.477 ng  
RT: 14.793 min Scan# 1990  
Delta R.T. -0.005 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

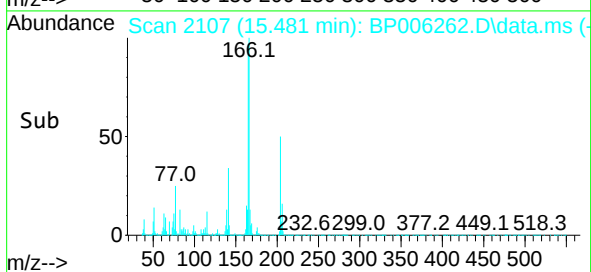
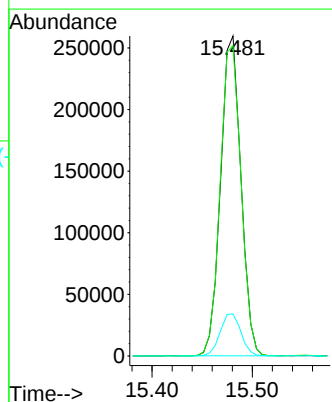
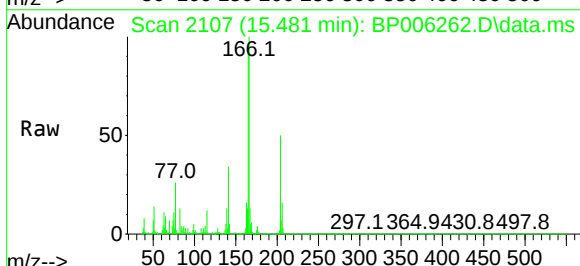
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

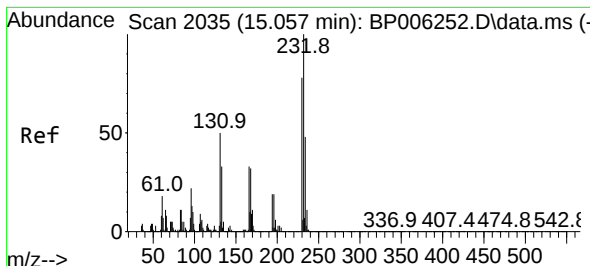
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 74867      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 47.2  | 32.3 48.5  |
| 89          | 85.6  | 55.9 83.9# |
| 182         | 2.9   | 2.2 3.4    |



#58  
Fluorene  
Concen: 7.944 ng  
RT: 15.481 min Scan# 2107  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 365041     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 97.0  | 78.0 117.0 |
| 167         | 13.1  | 10.5 15.7  |

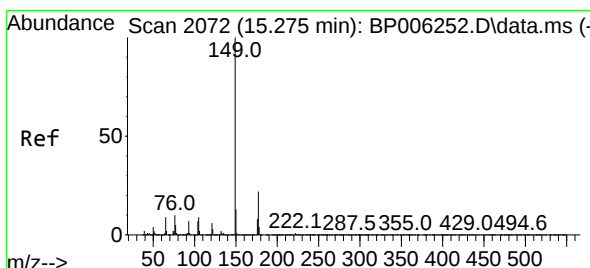
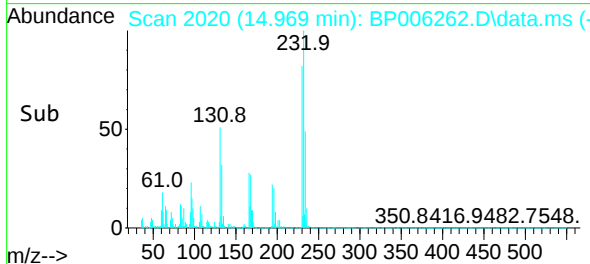
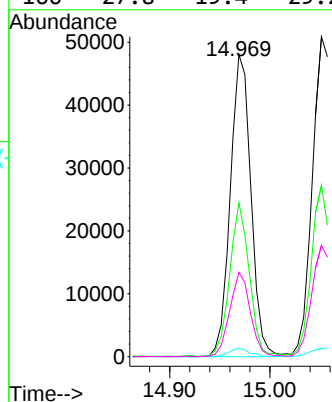
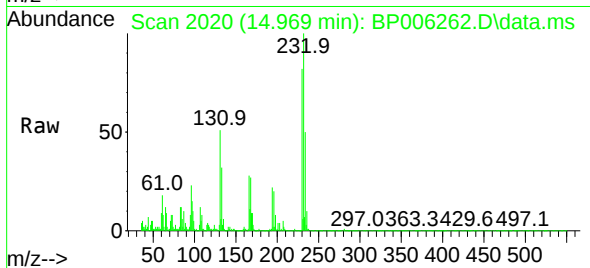




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.662 ng  
RT: 14.969 min Scan# 2020  
Delta R.T. -0.088 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

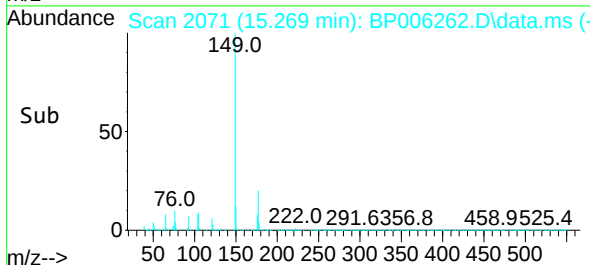
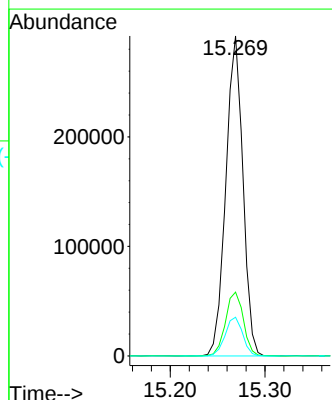
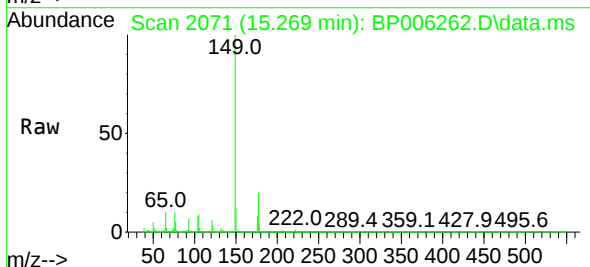
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

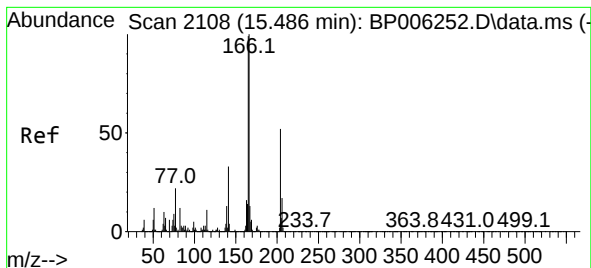
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 68497     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 48.1  | 32.2 48.4 |
| 130         | 2.8   | 2.0 3.0   |
| 166         | 27.8  | 19.4 29.2 |



#60  
Diethylphthalate  
Concen: 7.772 ng  
RT: 15.269 min Scan# 2071  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 366172    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 19.9  | 17.5 26.3 |
| 150         | 12.1  | 9.9 14.9  |

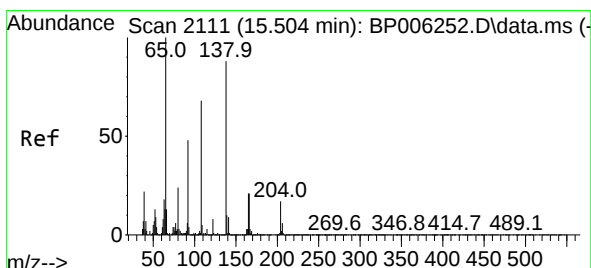
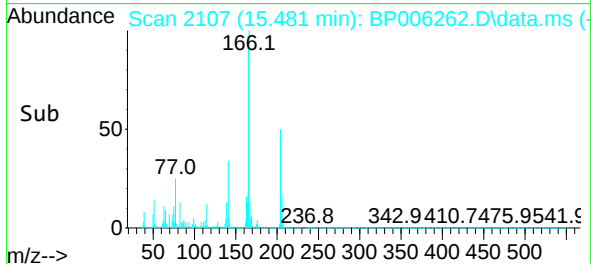
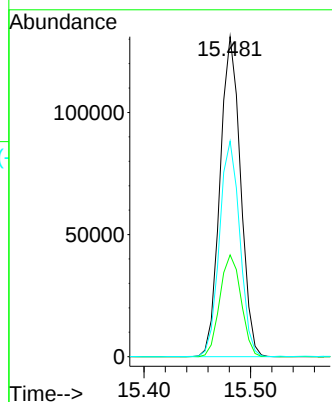
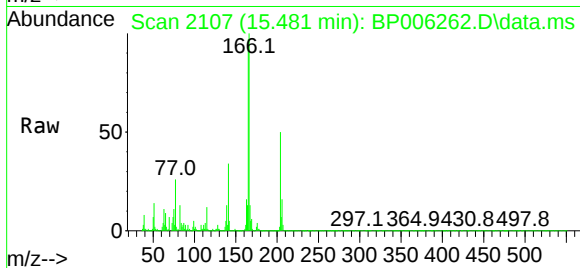




#61  
4-Chlorophenyl-phenylether  
Concen: 8.041 ng  
RT: 15.481 min Scan# 2107  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

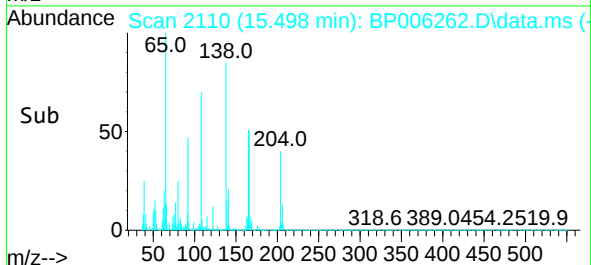
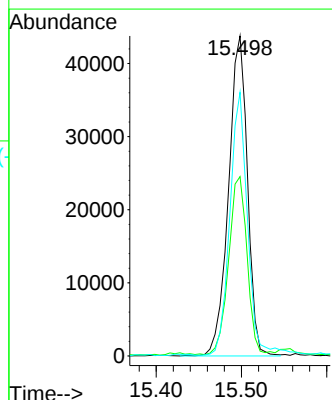
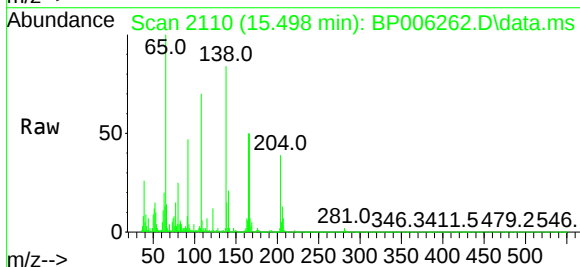
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

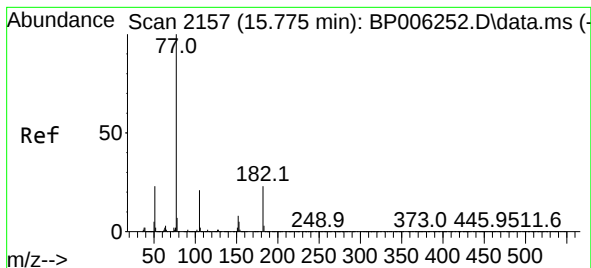
Tgt Ion:204 Resp: 174789  
Ion Ratio Lower Upper  
204 100  
206 31.8 26.6 40.0  
141 67.3 48.6 73.0



#62  
4-Nitroaniline  
Concen: 6.812 ng  
RT: 15.498 min Scan# 2110  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:138 Resp: 67543  
Ion Ratio Lower Upper  
138 100  
92 56.0 31.2 71.2  
108 82.4 78.6 118.6

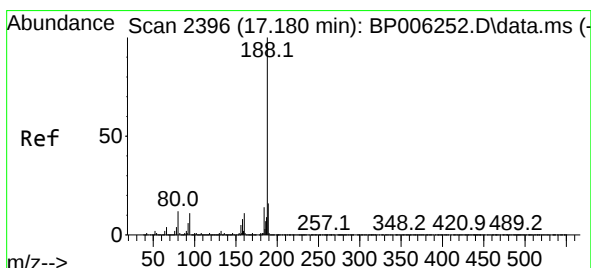
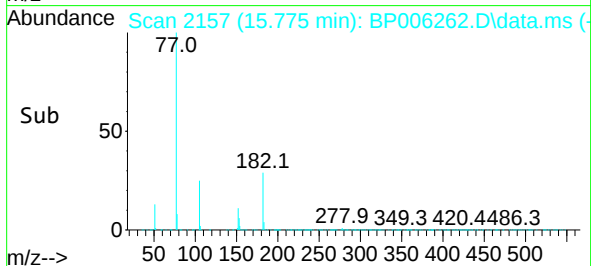
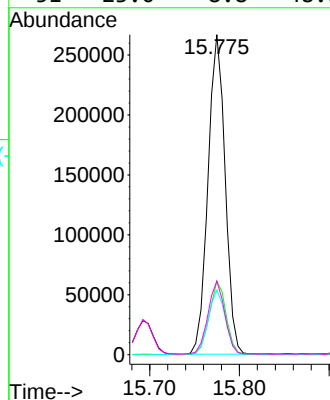
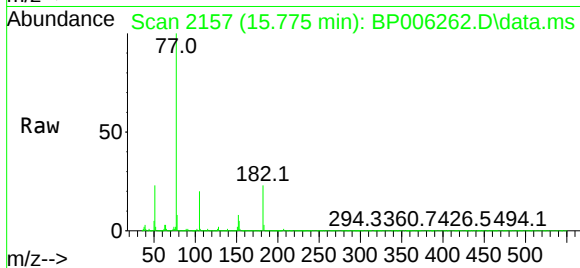




#63  
Azobenzene  
Concen: 7.447 ng  
RT: 15.775 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

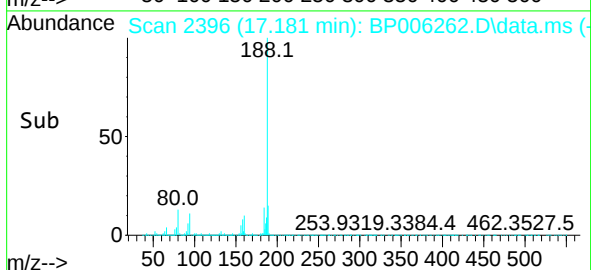
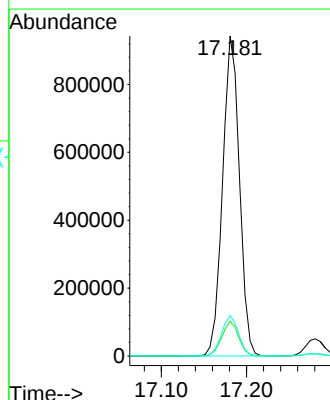
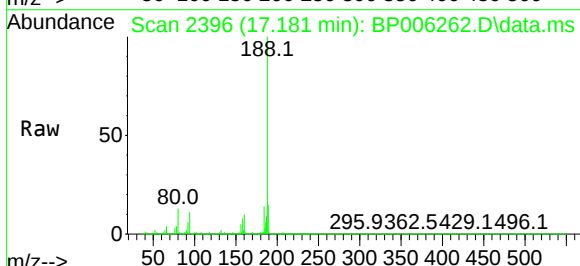
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

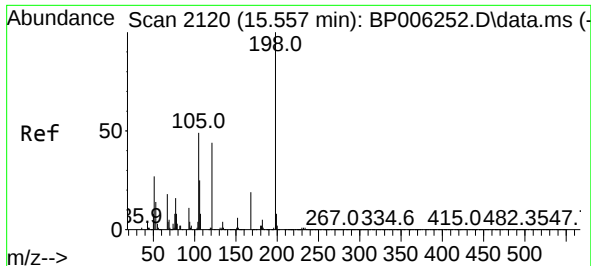
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 353313 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 23.0    | 6.0 46.0     |
| 105 20.2    | 0.0 38.8     |
| 51 23.0     | 8.8 48.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.181 min Scan# 2396  
Delta R.T. 0.001 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |               |       |       |
|-------------|---------------|-------|-------|
| Tgt Ion:188 | Resp: 1294563 |       |       |
| Ion         | Ratio         | Lower | Upper |
| 188         | 100           |       |       |
| 94          | 10.8          | 5.6   | 8.4#  |
| 80          | 12.6          | 6.3   | 9.5#  |

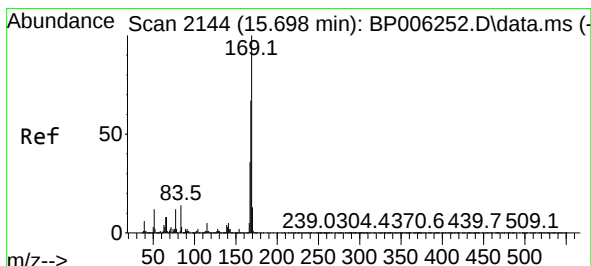
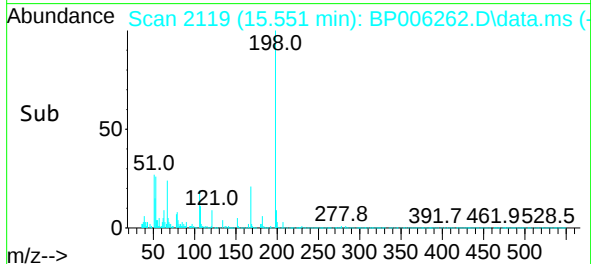
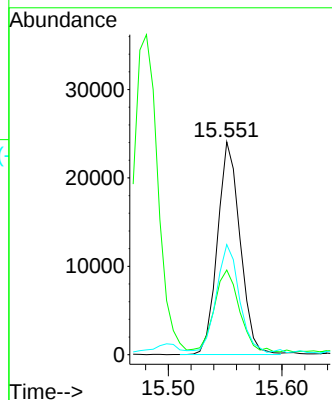
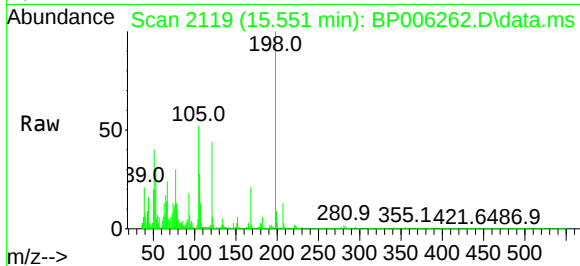




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.528 ng  
RT: 15.551 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

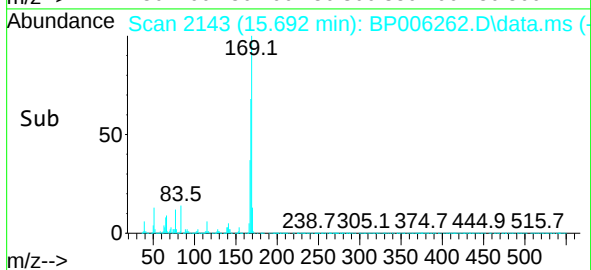
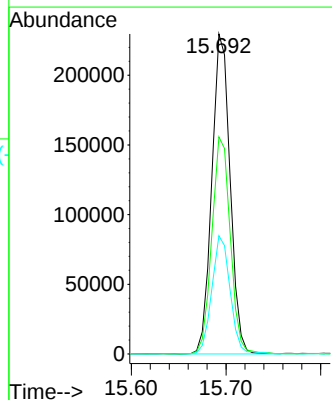
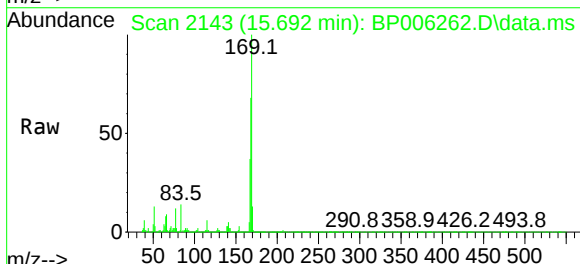
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

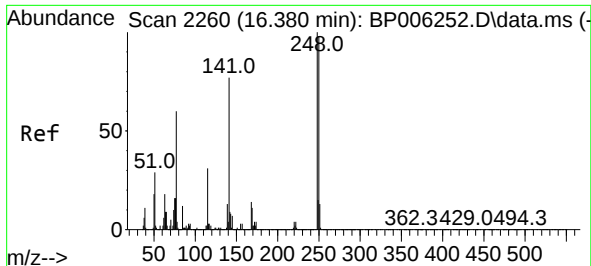
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:198 | Resp: | 33297     |
| Ion Ratio   | Lower | Upper     |
| 198         | 100   |           |
| 51          | 39.8  | 14.0 54.0 |
| 105         | 51.7  | 19.5 59.5 |



#66  
n-Nitrosodiphenylamine  
Concen: 7.708 ng  
RT: 15.692 min Scan# 2143  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:169 | Resp: | 306163    |
| Ion Ratio   | Lower | Upper     |
| 169         | 100   |           |
| 168         | 67.9  | 54.4 81.6 |
| 167         | 37.0  | 29.0 43.6 |

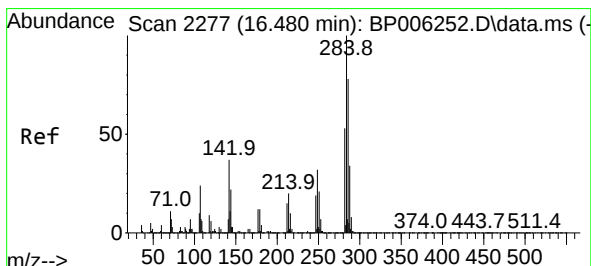
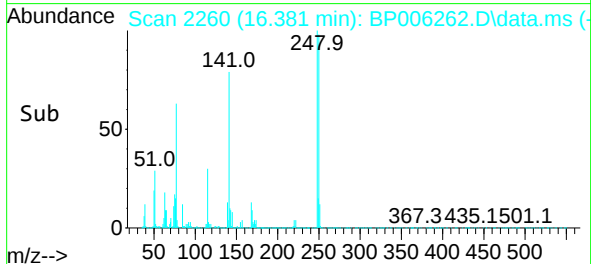
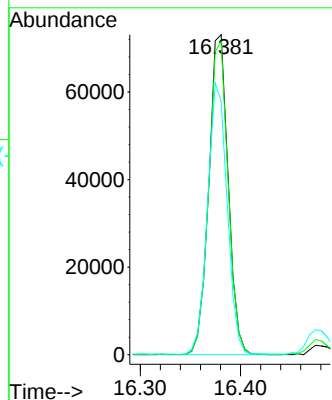
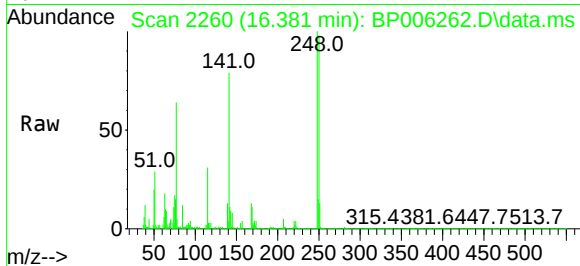




#67  
4-Bromophenyl-phenylether  
Concen: 7.526 ng  
RT: 16.381 min Scan# 2260  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

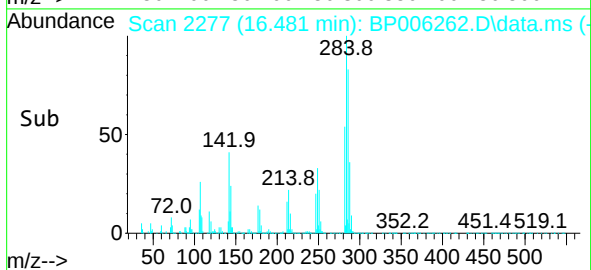
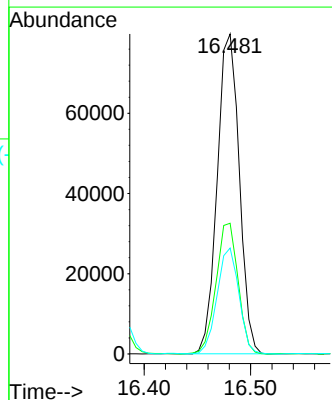
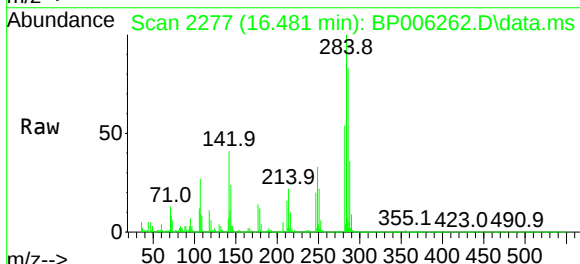
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

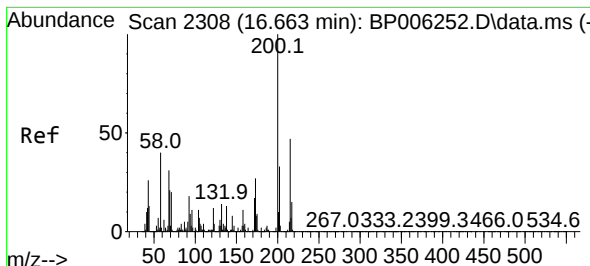
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:248 | Resp: | 98157      |
| Ion Ratio   | Lower | Upper      |
| 248         | 100   |            |
| 250         | 97.7  | 79.8 119.8 |
| 141         | 79.1  | 57.8 86.6  |



#68  
Hexachlorobenzene  
Concen: 7.656 ng  
RT: 16.481 min Scan# 2277  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:284 | Resp: | 114507     |
| Ion Ratio   | Lower | Upper      |
| 284         | 100   |            |
| 142         | 40.9  | 26.9 40.3# |
| 249         | 33.1  | 24.5 36.7  |





#69

Atrazine

Concen: 7.682 ng

RT: 16.657 min Scan# 2307

Delta R.T. -0.006 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

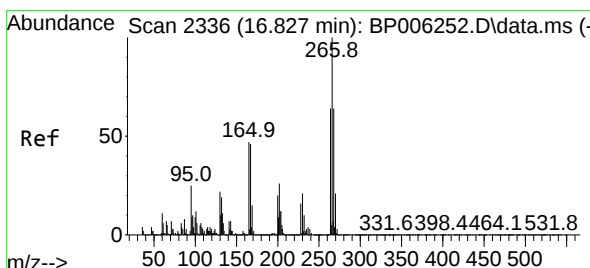
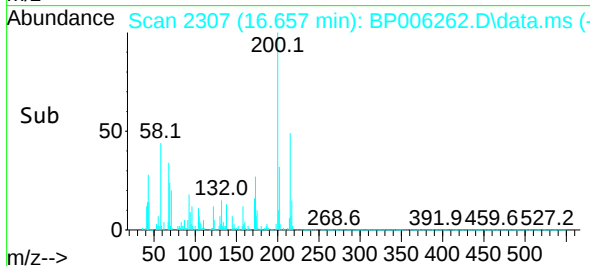
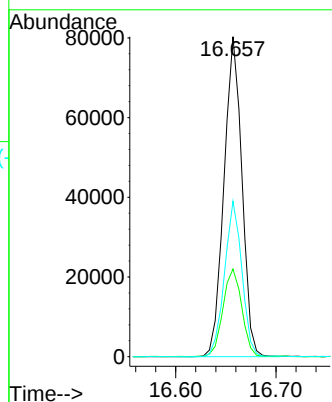
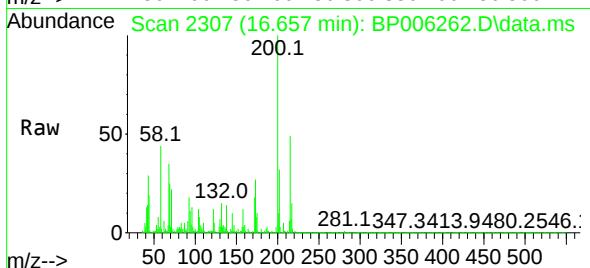
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 99662 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.4  | 4.1   | 44.1  |
| 215       | 48.6  | 27.7  | 67.7  |

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2021



#70

Pentachlorophenol

Concen: 6.827 ng

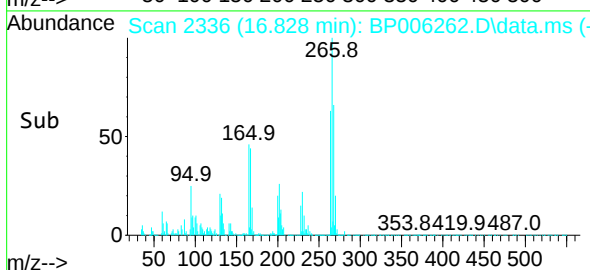
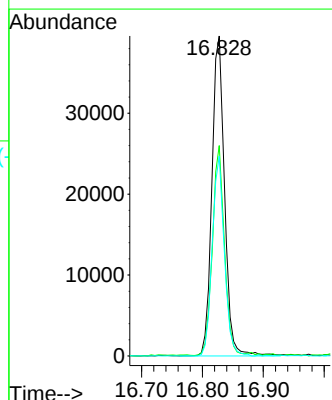
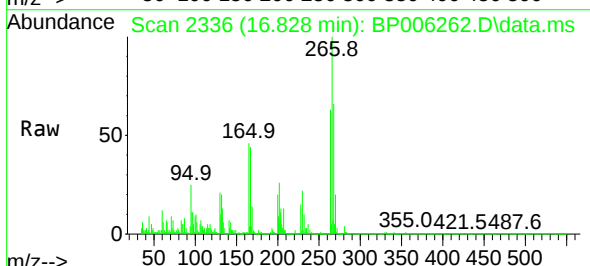
RT: 16.828 min Scan# 2336

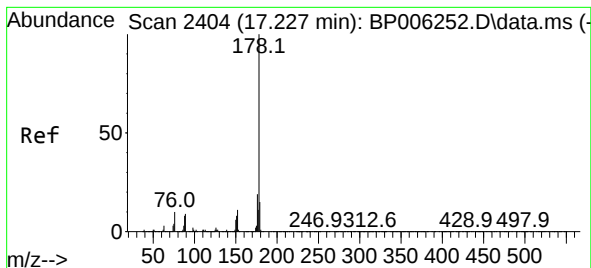
Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 57182 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 65.7  | 51.6  | 77.4  |
| 264       | 62.5  | 50.3  | 75.5  |





#71

Phenanthrene

Concen: 8.106 ng

RT: 17.222 min Scan# 2403

Delta R.T. -0.006 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

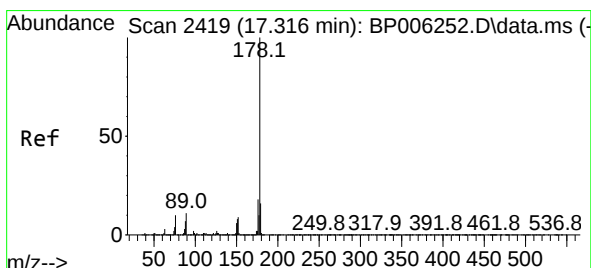
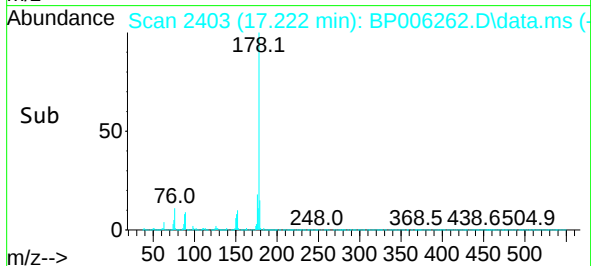
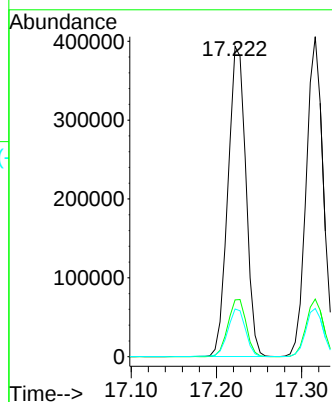
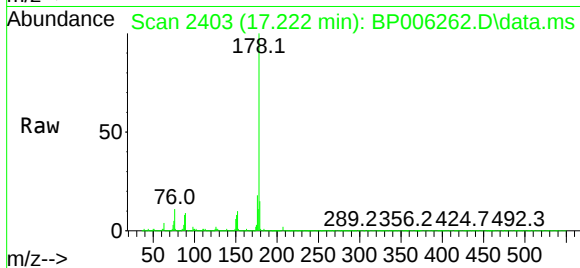
Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2021

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 574805    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.3  | 15.1 22.7 |
| 179         | 15.4  | 12.4 18.6 |



#72

Anthracene

Concen: 8.201 ng

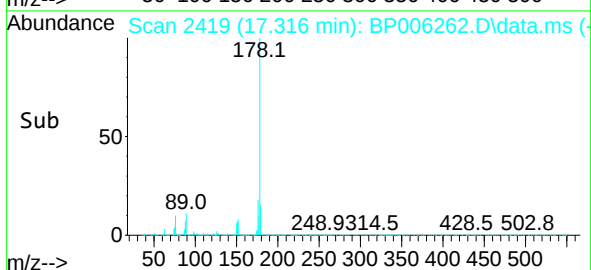
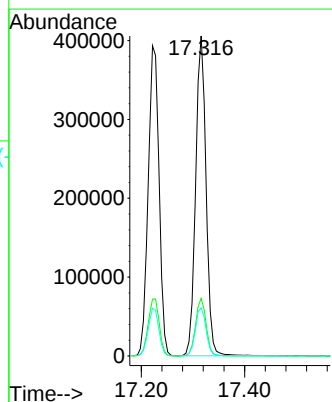
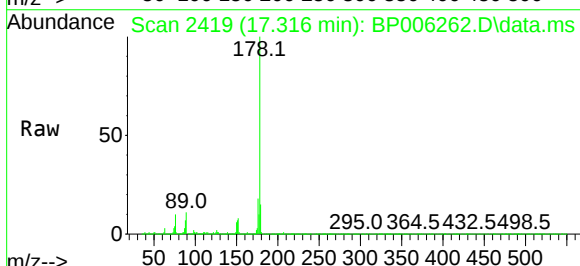
RT: 17.316 min Scan# 2419

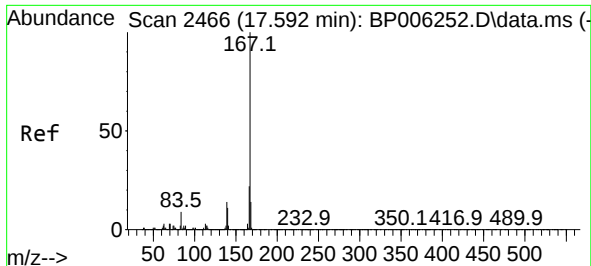
Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 567190    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 18.0  | 14.9 22.3 |
| 179         | 15.1  | 12.2 18.2 |

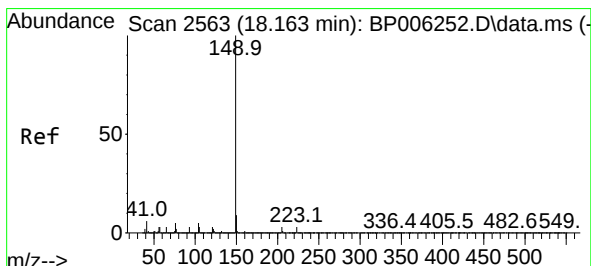
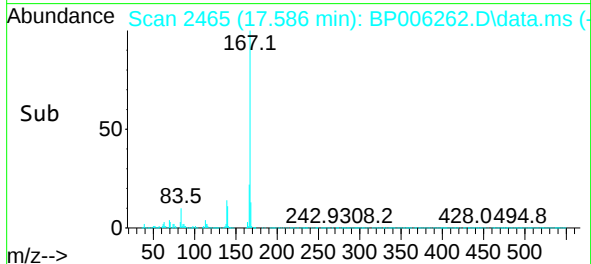
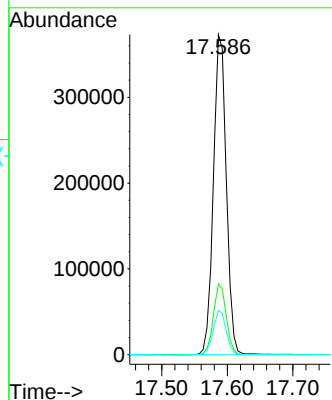
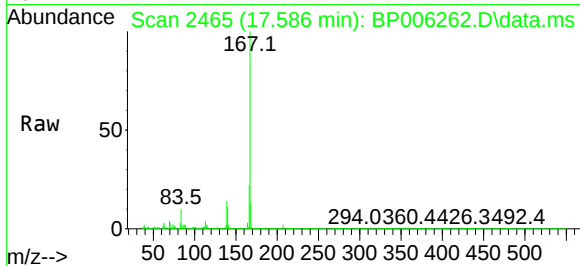




#73  
 Carbazole  
 Concen: 7.352 ng  
 RT: 17.586 min Scan# 2465  
 Delta R.T. -0.006 min  
 Lab File: BP006262.D  
 Acq: 21 Jul 2021 12:29

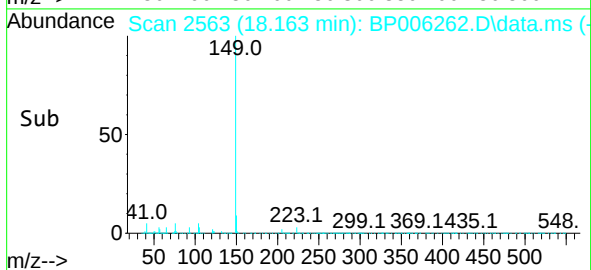
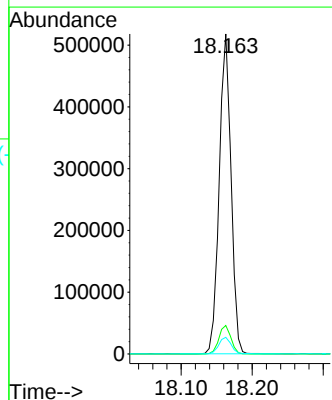
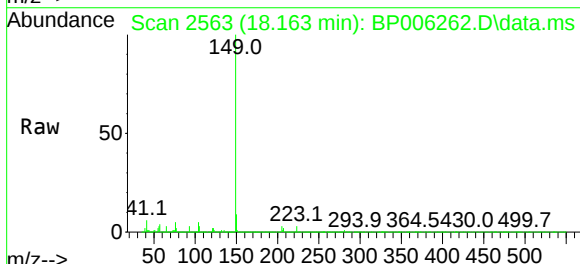
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2021

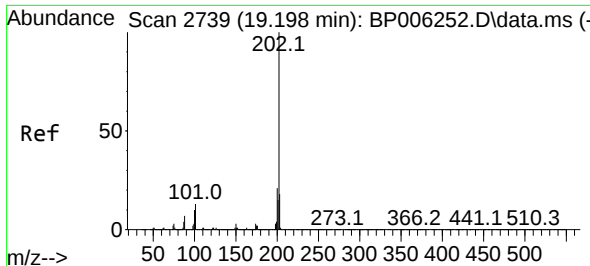
Tgt Ion:167 Resp: 509684  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.1 25.7  
 139 13.8 10.7 16.1



#74  
 Di-n-butylphthalate  
 Concen: 7.499 ng  
 RT: 18.163 min Scan# 2563  
 Delta R.T. 0.000 min  
 Lab File: BP006262.D  
 Acq: 21 Jul 2021 12:29

Tgt Ion:149 Resp: 593409  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.3 10.9  
 104 5.2 4.5 6.7

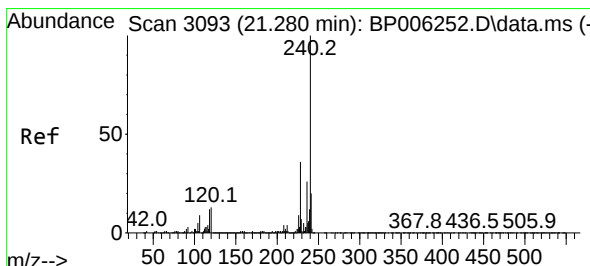
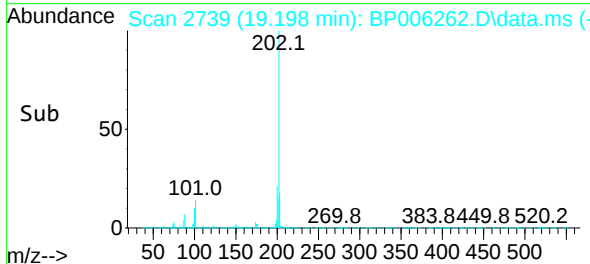
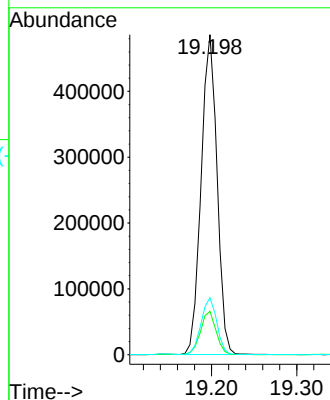
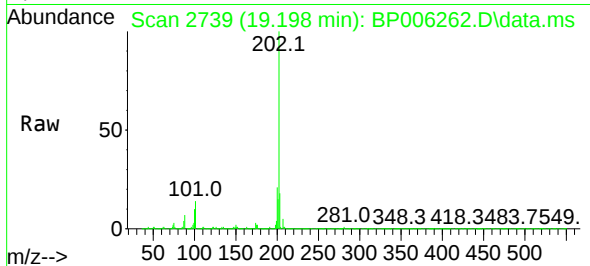




#75  
Fluoranthene  
Concen: 7.734 ng  
RT: 19.198 min Scan# 2739  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

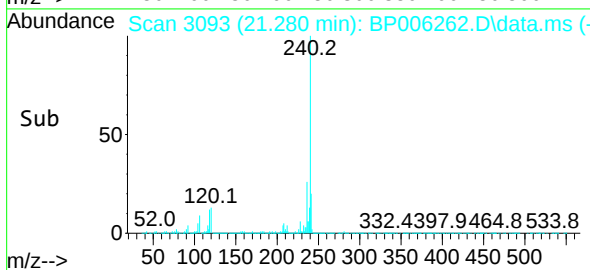
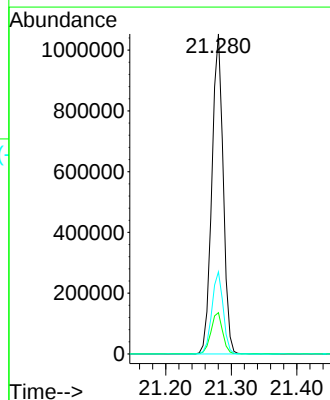
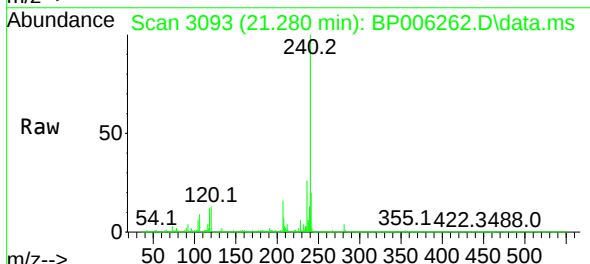
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

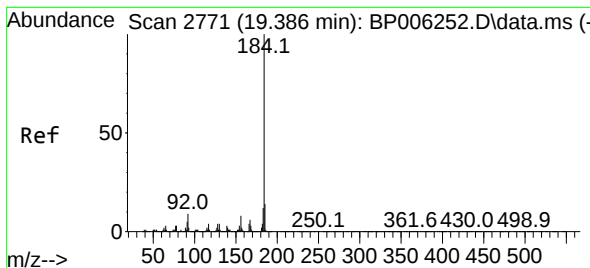
Tgt Ion:202 Resp: 629328  
Ion Ratio Lower Upper  
202 100  
101 13.5 0.0 27.6  
203 17.8 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.280 min Scan# 3093  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:240 Resp: 1262383  
Ion Ratio Lower Upper  
240 100  
120 12.9 6.5 9.7#  
236 25.7 20.6 31.0





#77

Benzidine

Concen: 8.503 ng

RT: 19.386 min Scan# 2771

Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

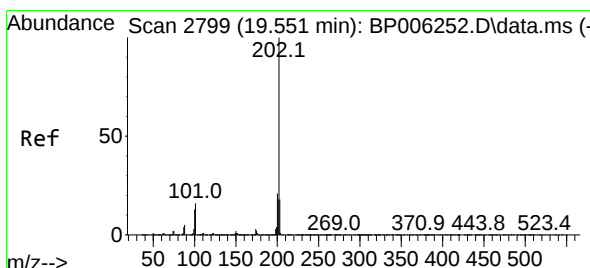
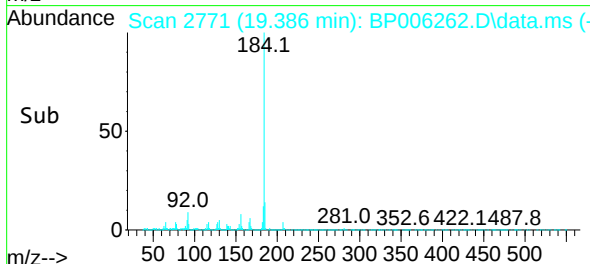
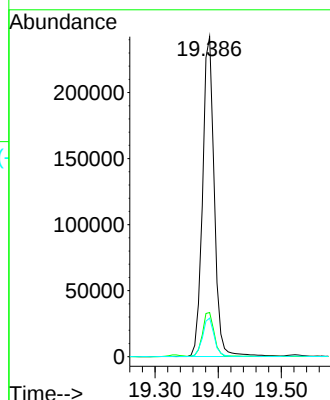
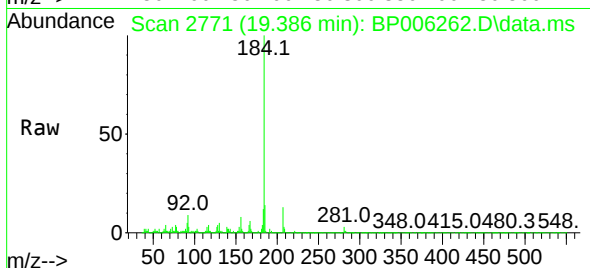
Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2021

|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 312418   |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 13.8 11.0 16.4 |
| 183         | 12.1 9.5 14.3  |



#78

Pyrene

Concen: 7.807 ng

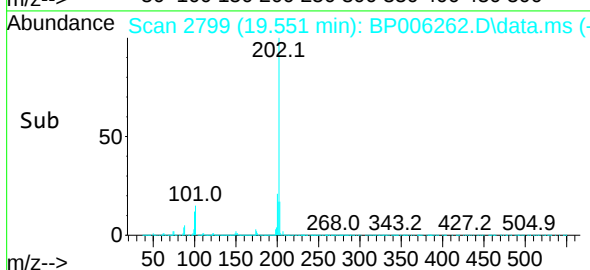
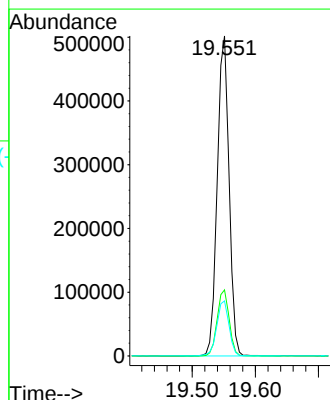
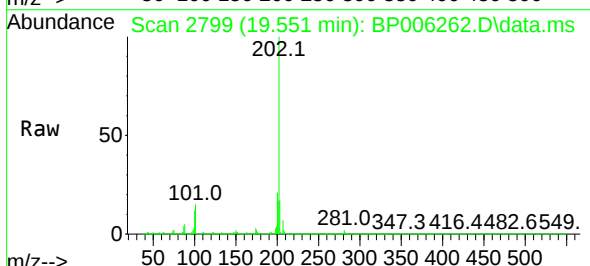
RT: 19.551 min Scan# 2799

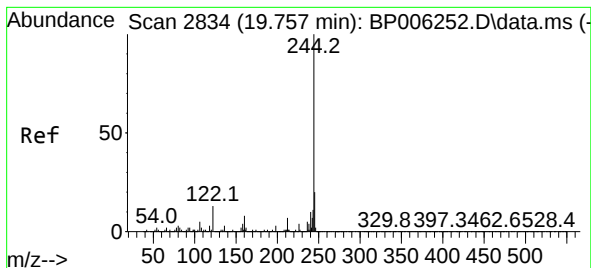
Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 650800   |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 20.6 16.3 24.5 |
| 203         | 17.2 14.2 21.2 |





#79

Terphenyl-d14

Concen: 82.745 ng

RT: 19.757 min Scan# 2834

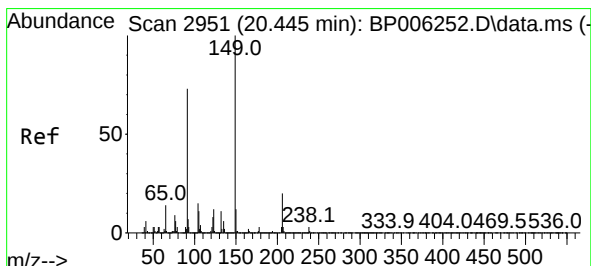
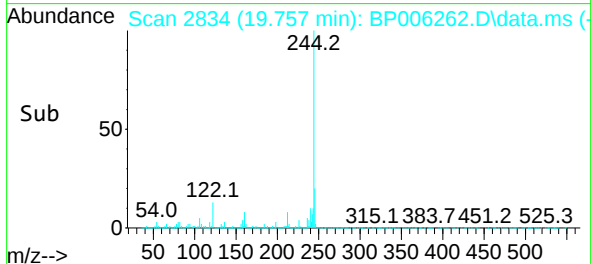
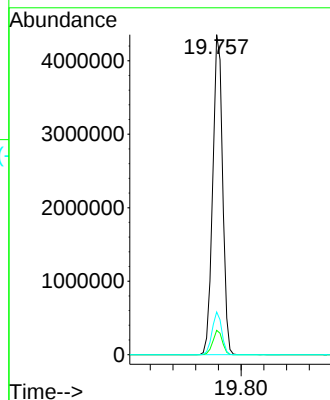
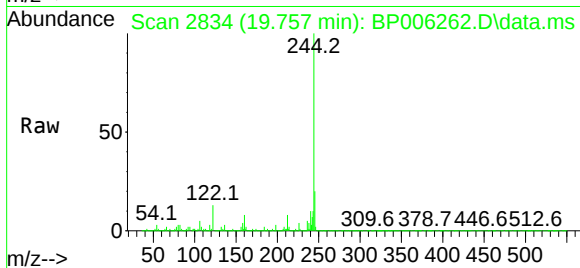
Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

Tgt Ion:244 Resp: 5221699

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.6   | 6.0   | 9.0   |
| 122 | 13.3  | 7.1   | 10.7# |



#80

Butylbenzylphthalate

Concen: 6.762 ng

RT: 20.445 min Scan# 2951

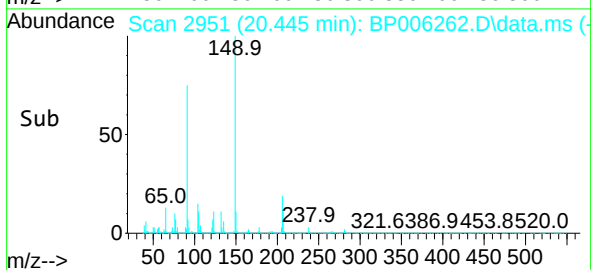
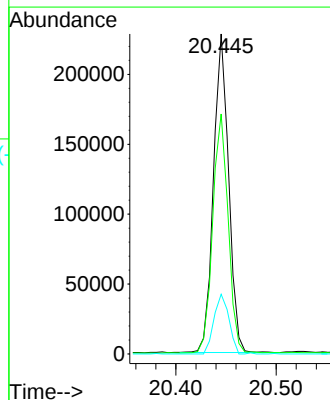
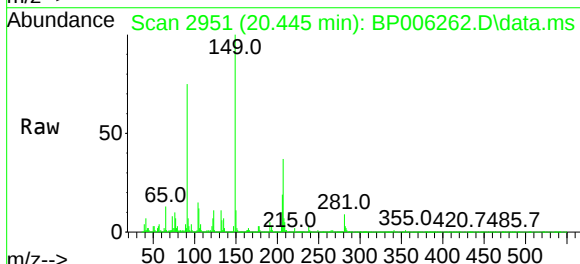
Delta R.T. 0.000 min

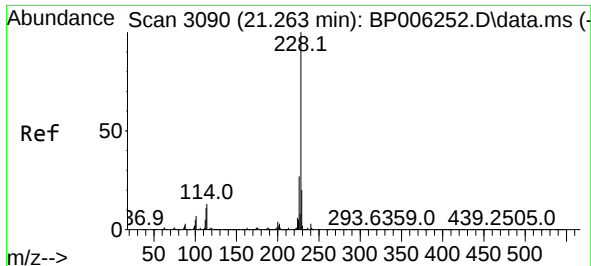
Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

Tgt Ion:149 Resp: 238782

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 75.0  | 54.6  | 81.8  |
| 206 | 18.7  | 16.7  | 25.1  |

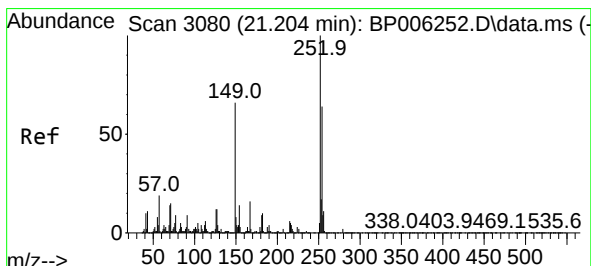
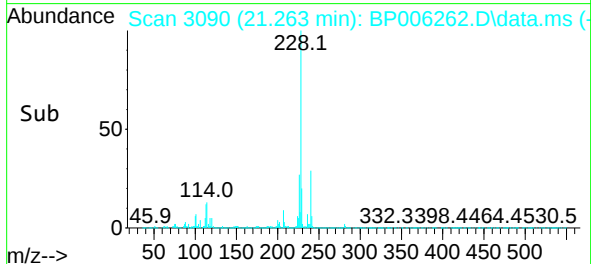
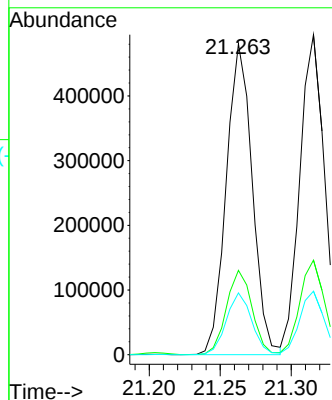
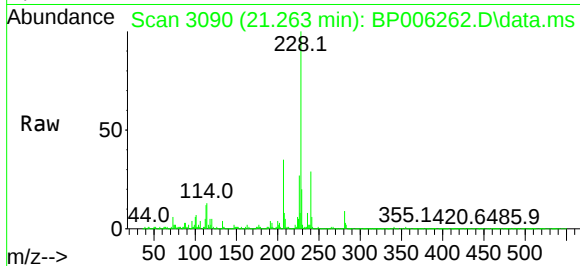




#81  
Benzo(a)anthracene  
Concen: 7.556 ng  
RT: 21.263 min Scan# 3090  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

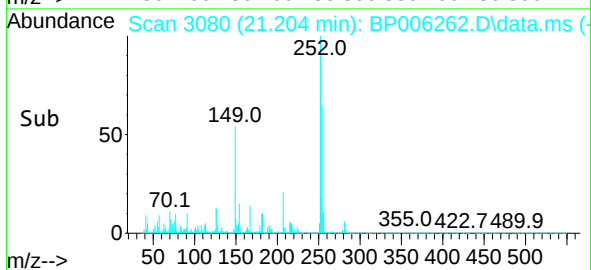
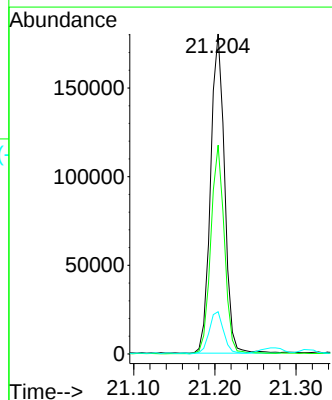
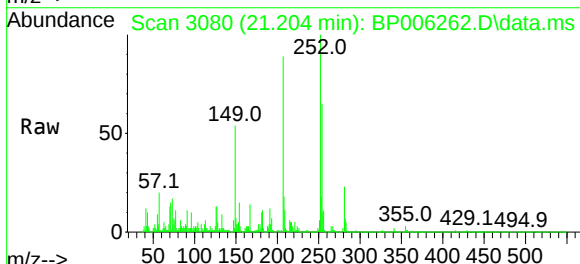
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

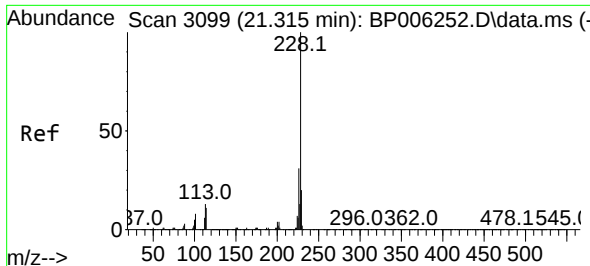
Tgt Ion:228 Resp: 612114  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.6 32.4  
229 19.9 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 9.598 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:252 Resp: 215300  
Ion Ratio Lower Upper  
252 100  
254 65.3 50.6 76.0  
126 13.2 7.0 10.6#

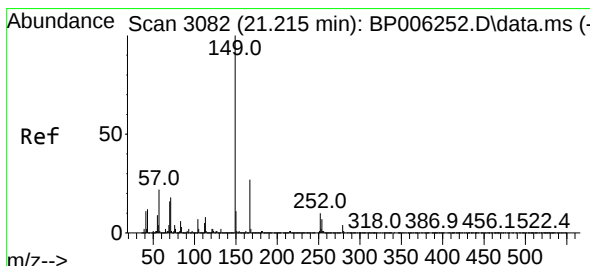
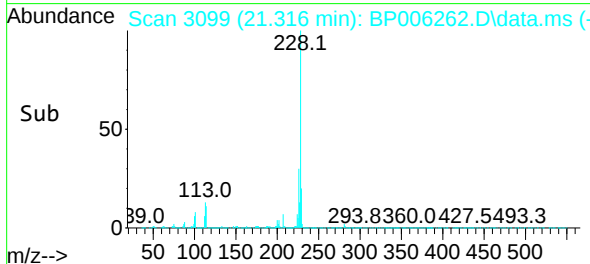
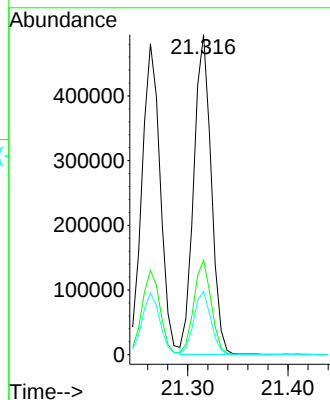
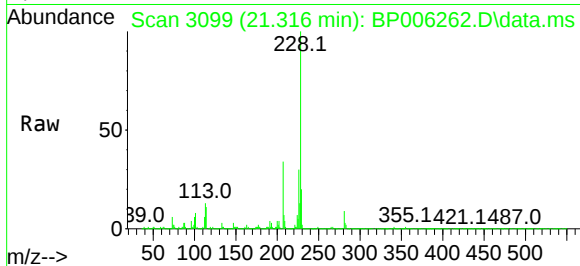




#83  
Chrysene  
Concen: 7.625 ng  
RT: 21.316 min Scan# 3099  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

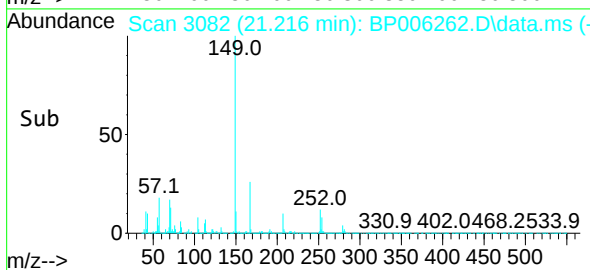
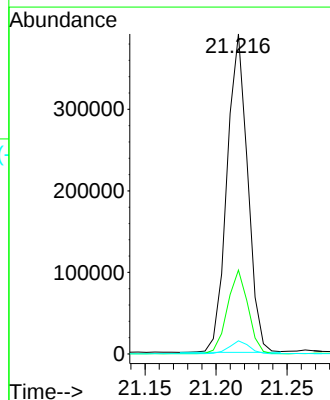
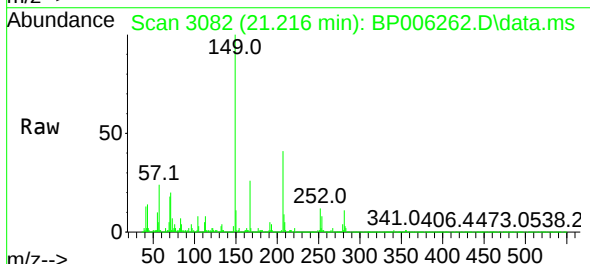
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

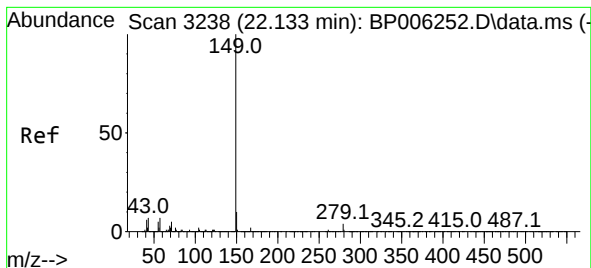
Tgt Ion:228 Resp: 598030  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.8 35.6  
229 19.8 15.4 23.2



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.423 ng  
RT: 21.216 min Scan# 3082  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:149 Resp: 395081  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.9 32.9  
279 4.1 4.3 6.5#

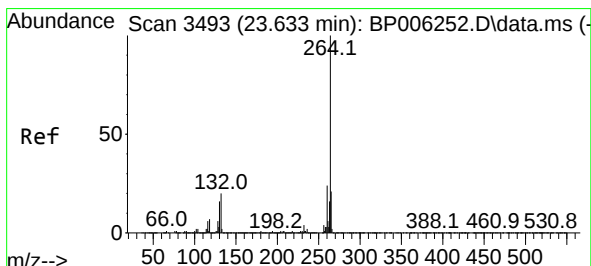
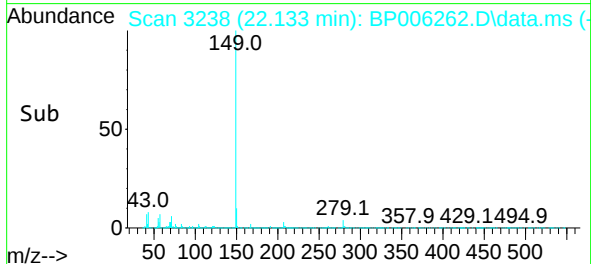
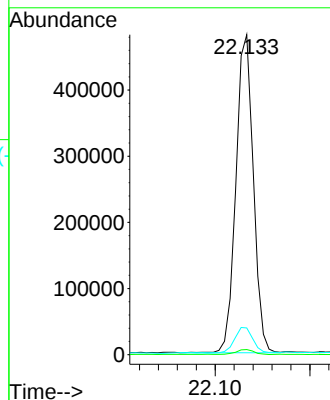
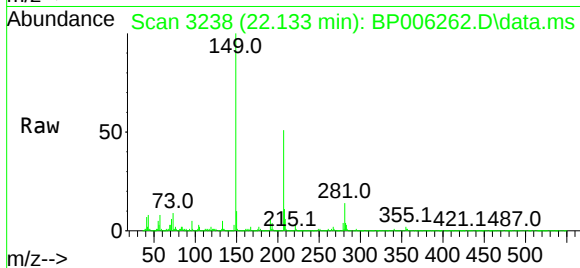




#85  
Di-n-octyl phthalate  
Concen: 6.870 ng  
RT: 22.133 min Scan# 3238  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

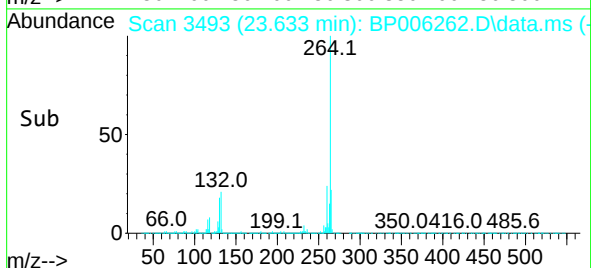
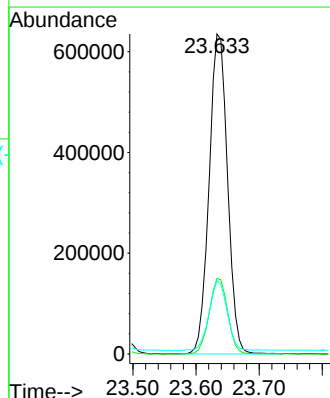
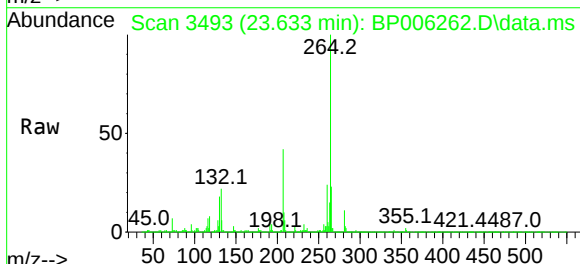
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

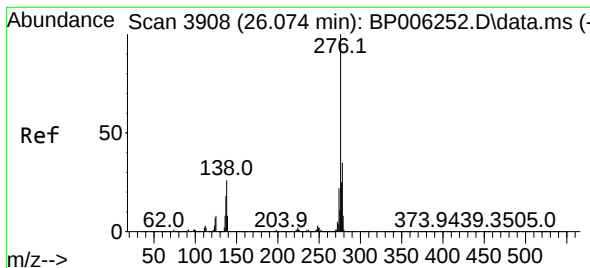
Tgt Ion:149 Resp: 613482  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 8.6 5.6 8.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.633 min Scan# 3493  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:264 Resp: 1285896  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.6 28.0  
265 22.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.788 ng

RT: 26.074 min Scan# 3908

Delta R.T. 0.000 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

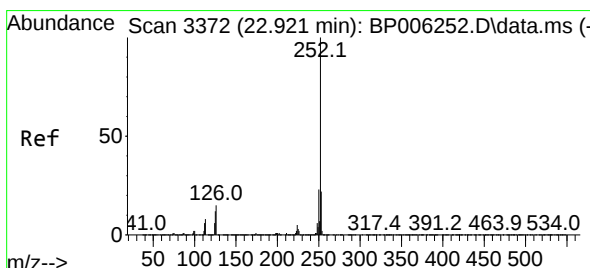
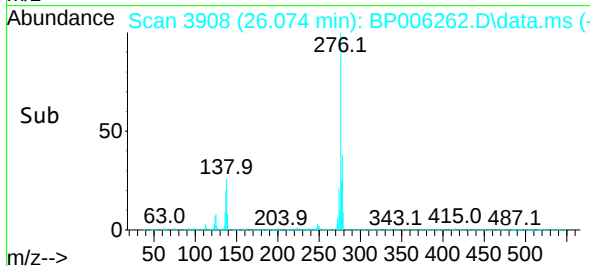
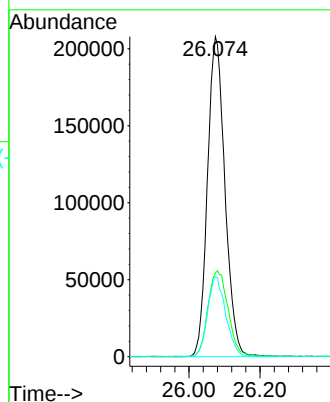
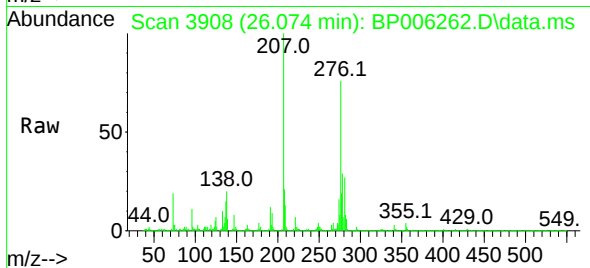
Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2021

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 709497 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 30.7  | 15.3  | 22.9#  |
| 277       | 25.7  | 20.4  | 30.6   |



#88

Benzo(b)fluoranthene

Concen: 7.413 ng

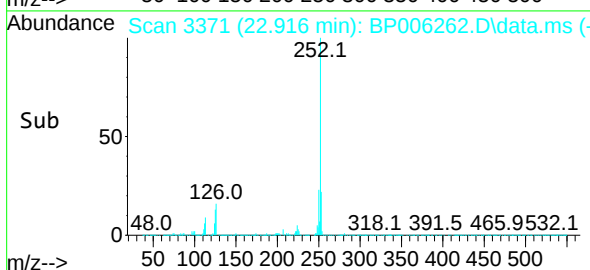
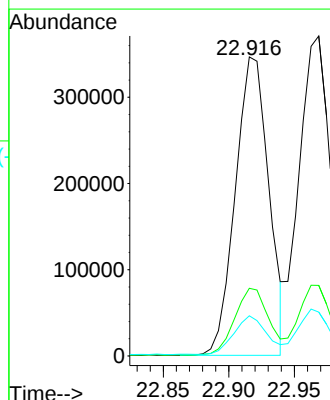
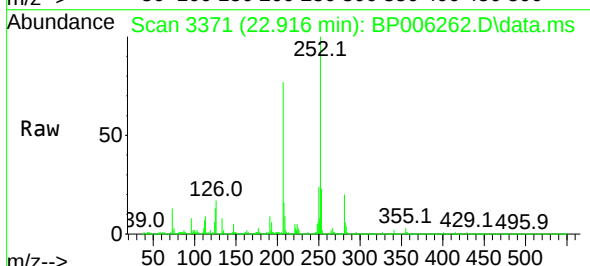
RT: 22.916 min Scan# 3371

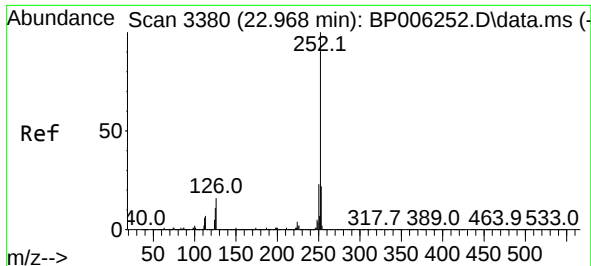
Delta R.T. -0.006 min

Lab File: BP006262.D

Acq: 21 Jul 2021 12:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 615092 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.6  | 17.5  | 26.3   |
| 125       | 13.5  | 6.2   | 9.4#   |

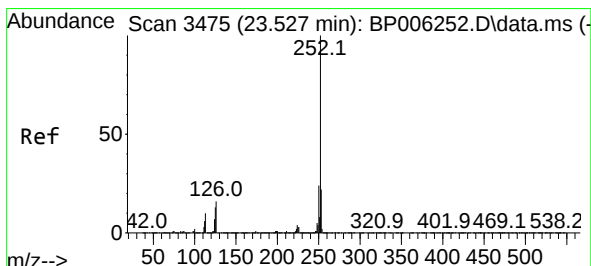
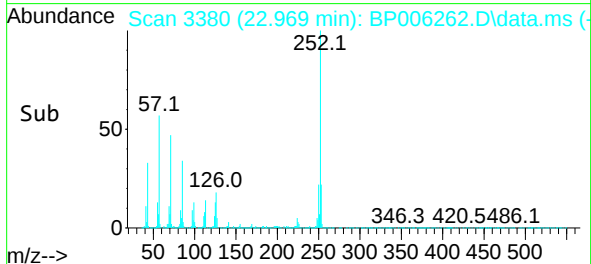
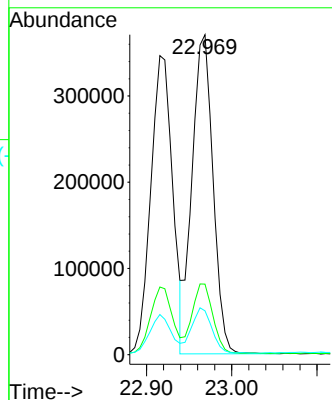
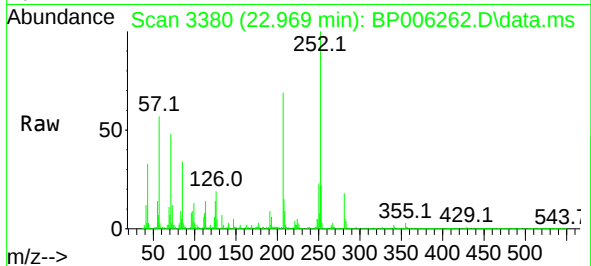




#89  
Benzo(k)fluoranthene  
Concen: 8.182 ng  
RT: 22.969 min Scan# 3380  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

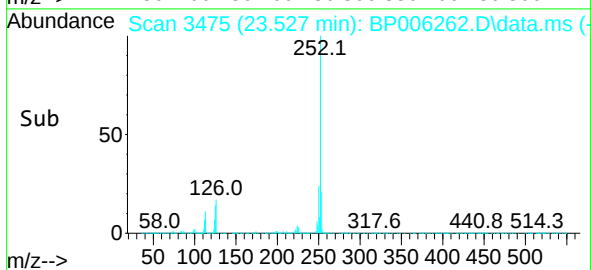
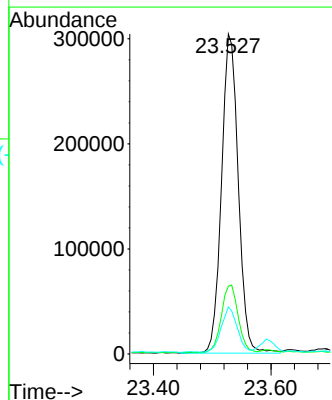
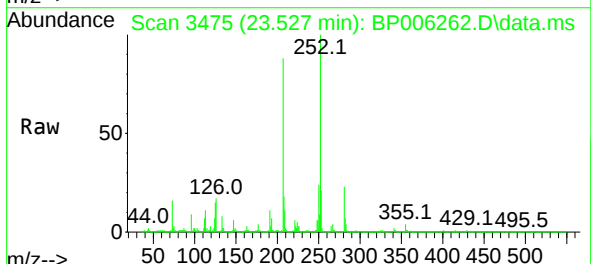
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2021

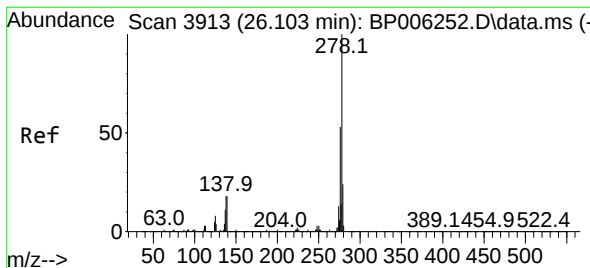
Tgt Ion:252 Resp: 632123  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 13.7 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 8.071 ng  
RT: 23.527 min Scan# 3475  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:252 Resp: 600852  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.9 26.9  
125 14.7 6.5 9.7#

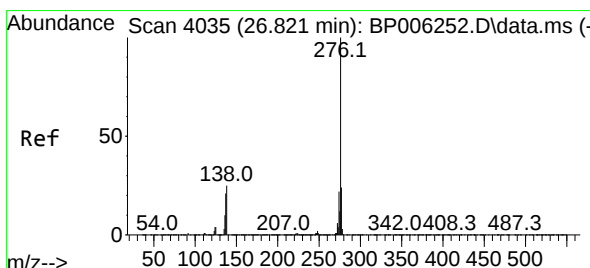
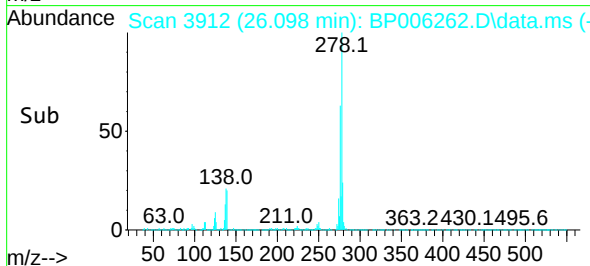
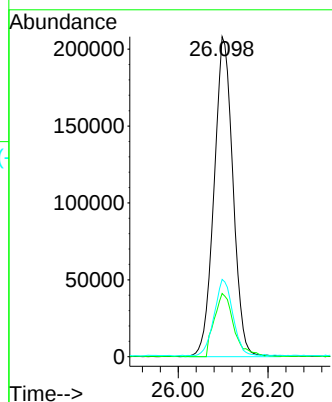
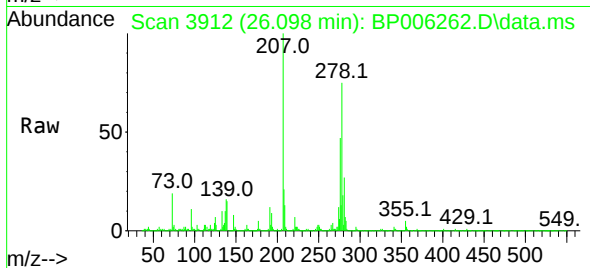




#91  
Dibenzo(a,h)anthracene  
Concen: 7.732 ng  
RT: 26.098 min Scan# 3912  
Delta R.T. -0.006 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

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

Tgt Ion:278 Resp: 609259  
Ion Ratio Lower Upper  
278 100  
139 19.8 9.3 13.9#  
279 24.2 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 7.837 ng  
RT: 26.821 min Scan# 4035  
Delta R.T. 0.000 min  
Lab File: BP006262.D  
Acq: 21 Jul 2021 12:29

Tgt Ion:276 Resp: 601092  
Ion Ratio Lower Upper  
276 100  
277 21.7 18.9 28.3  
138 26.4 12.6 18.8#

