

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP072321\  
 Data File : BP006288.D  
 Acq On : 23 Jul 2021 15:28  
 Operator : CG/JU  
 Sample : M2940-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2021

Quant Time: Jul 23 15:58:29 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 14:48:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.793  | 152  | 281931   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.581 | 136  | 1167350  | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.422 | 164  | 685533   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.175 | 188  | 1359542  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.274 | 240  | 1300479  | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.621 | 264  | 1323302  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 1919364  | 109.278 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.969  | 99   | 2694510  | 110.851 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 1421159  | 64.420  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.916 | 330  | 586538   | 93.901  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.051 | 172  | 2838802  | 62.285  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.751 | 244  | 4019610  | 62.538  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.334  | 88   | 29571    | 3.963   | ng    | 93       |
| 3) Pyridine                   | 3.734  | 79   | 69327    | 3.249   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.646  | 42   | 28855    | 3.954   | ng    | # 78     |
| 6) Aniline                    | 7.128  | 93   | 117853   | 4.460   | ng    | 95       |
| 8) 2-Chlorophenol             | 7.358  | 128  | 73502    | 3.833   | ng    | 88       |
| 9) Benzaldehyde               | 6.946  | 77   | 75190    | 5.362   | ng    | 89       |
| 10) Phenol                    | 6.993  | 94   | 93752    | 3.878   | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 76744    | 4.133   | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 7.681  | 146  | 82636    | 4.040   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.828  | 146  | 83249    | 4.008   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.140  | 146  | 78803    | 3.964   | ng    | 96       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 66127    | 3.782   | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 87947    | 4.363   | ng    | 93       |
| 17) 2-Methylphenol            | 8.234  | 107  | 59365    | 3.804   | ng    | 96       |
| 18) Hexachloroethane          | 8.863  | 117  | 29175    | 3.863   | ng    | 87       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 58601    | 3.911   | ng    | # 91     |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 77841    | 3.689   | ng    | 97       |
| 22) Acetophenone              | 8.616  | 105  | 117399   | 4.067   | ng    | # 97     |
| 24) Nitrobenzene              | 8.993  | 77   | 93788    | 4.072   | ng    | 91       |
| 25) Isophorone                | 9.516  | 82   | 139470   | 3.444   | ng    | 97       |
| 26) 2-Nitrophenol             | 9.699  | 139  | 27774    | 3.151   | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 64914    | 4.094   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 97964    | 4.241   | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 54994    | 3.384   | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.446 | 180  | 68847    | 3.842   | ng    | 96       |
| 31) Naphthalene               | 10.628 | 128  | 244501   | 3.964   | ng    | 98       |
| 32) Benzoic acid              | 9.816  | 122  | 23633    | 2.095   | ng    | 93       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 94704    | 3.839   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.916 | 225  | 39395    | 3.747   | ng    | 97       |
| 35) Caprolactam               | 11.516 | 113  | 15909    | 3.093   | ng    | # 63     |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 68108    | 3.521   | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.240 | 142  | 165349   | 3.904   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.457 | 142  | 152455   | 3.819   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216  | 72901    | 3.945   | ng    | # 96     |
| 41) Hexachlorocyclopentadiene | 12.593 | 237  | 37760    | 3.772   | ng    | 91       |
| 43) 2,4,6-Trichlorophenol     | 12.851 | 196  | 38901    | 3.188   | ng    | 99       |

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 Sample : M2940-03  
 Misc : MDL-MDL-SOIL 4ppm  
 ALS Vial : 7 Sample Multiplier: 1

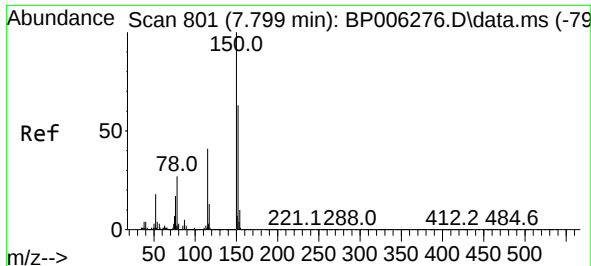
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2021

Quant Time: Jul 23 15:58:29 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 14:48:03 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.916 | 196  | 43563    | 3.256 | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 13.257 | 154  | 211792   | 4.124 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.293 | 162  | 154704   | 3.923 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 35779    | 3.150 | ng    | 88       |
| 49) Acenaphthylene            | 14.140 | 152  | 226809   | 3.631 | ng    | 99       |
| 50) Dimethylphthalate         | 13.893 | 163  | 183690   | 3.818 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.998 | 165  | 31149    | 2.991 | ng    | # 83     |
| 52) Acenaphthene              | 14.487 | 154  | 148290   | 3.840 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.328 | 138  | 34048    | 3.044 | ng    | # 83     |
| 54) 2,4-Dinitrophenol         | 14.528 | 184  | 12214    | 2.327 | ng    | # 77     |
| 55) Dibenzofuran              | 14.822 | 168  | 230208   | 3.807 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.634 | 139  | 26614    | 2.797 | ng    | # 87     |
| 57) 2,4-Dinitrotoluene        | 14.787 | 165  | 37093    | 2.725 | ng    | # 75     |
| 58) Fluorene                  | 15.469 | 166  | 184006   | 3.818 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232  | 34997    | 3.150 | ng    | # 77     |
| 60) Diethylphthalate          | 15.257 | 149  | 185224   | 3.753 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.475 | 204  | 86235    | 3.819 | ng    | 93       |
| 62) 4-Nitroaniline            | 15.487 | 138  | 32969    | 2.844 | ng    | # 79     |
| 63) Azobenzene                | 15.763 | 77   | 187093   | 3.551 | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 17316    | 2.290 | ng    | 74       |
| 66) n-Nitrosodiphenylamine    | 15.687 | 169  | 153875   | 3.652 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.369 | 248  | 32209    | 2.682 | ng    | # 90     |
| 68) Hexachlorobenzene         | 16.469 | 284  | 56229    | 3.701 | ng    | # 83     |
| 69) Atrazine                  | 16.645 | 200  | 48165    | 3.621 | ng    | 96       |
| 70) Pentachlorophenol         | 16.816 | 266  | 25746    | 2.825 | ng    | 98       |
| 71) Phenanthrene              | 17.216 | 178  | 287587   | 3.834 | ng    | 100      |
| 72) Anthracene                | 17.304 | 178  | 268049   | 3.695 | ng    | 99       |
| 73) Carbazole                 | 17.581 | 167  | 249666   | 3.440 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.151 | 149  | 270635   | 3.295 | ng    | 100      |
| 75) Fluoranthene              | 19.192 | 202  | 303958   | 3.621 | ng    | 93       |
| 77) Benzidine                 | 19.375 | 184  | 122311   | 3.603 | ng    | 99       |
| 78) Pyrene                    | 19.539 | 202  | 317477   | 3.711 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.439 | 149  | 104713   | 2.893 | ng    | 89       |
| 81) Benzo(a)anthracene        | 21.257 | 228  | 306837   | 3.675 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 91528    | 4.141 | ng    | # 95     |
| 83) Chrysene                  | 21.310 | 228  | 305011   | 3.777 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.204 | 149  | 174848   | 3.206 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.121 | 149  | 273730   | 3.018 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.051 | 276  | 345995   | 3.658 | ng    | # 88     |
| 88) Benzo(b)fluoranthene      | 22.910 | 252  | 317207   | 3.729 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 22.957 | 252  | 304587   | 3.782 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 23.516 | 252  | 285342   | 3.744 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 26.080 | 278  | 301544   | 3.690 | ng    | # 89     |
| 92) Benzo(g,h,i)perylene      | 26.792 | 276  | 293367   | 3.723 | ng    | # 89     |

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

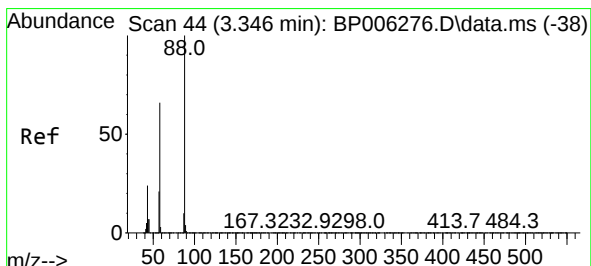
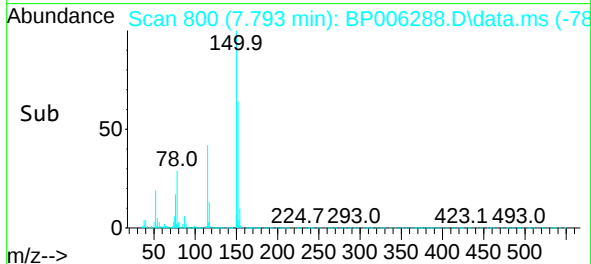
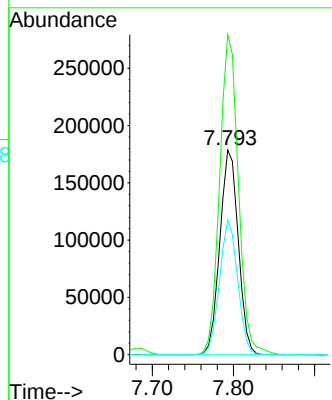
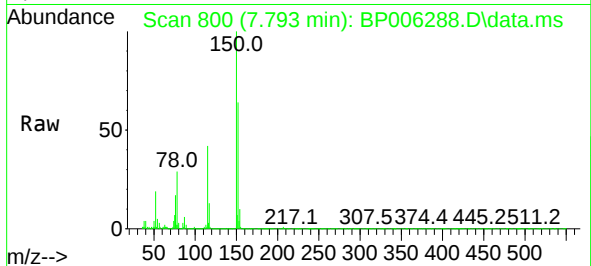




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.793 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

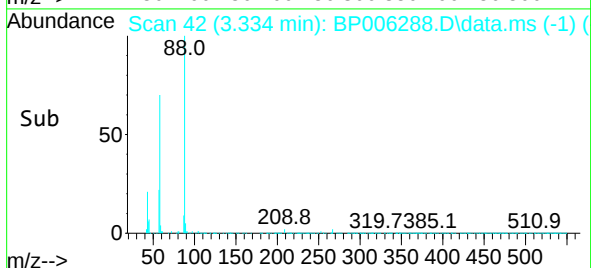
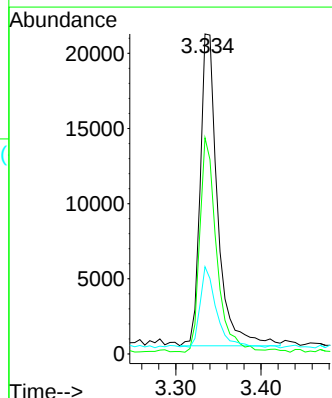
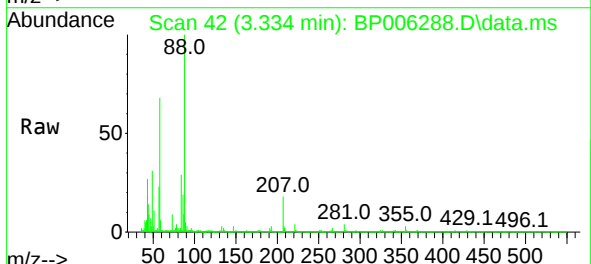
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

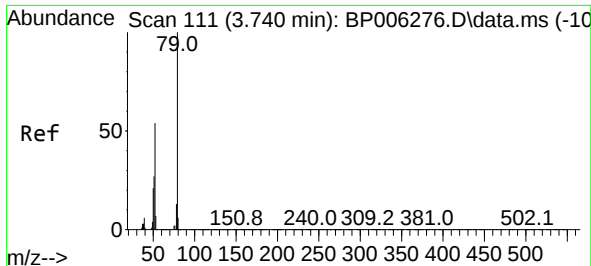
Tgt Ion:152 Resp: 281931  
Ion Ratio Lower Upper  
152 100  
150 156.4 125.6 188.4  
115 65.9 48.5 72.7



#2  
1,4-Dioxane  
Concen: 3.963 ng  
RT: 3.334 min Scan# 42  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 88 Resp: 29571  
Ion Ratio Lower Upper  
88 100  
58 65.5 46.7 70.1  
43 24.0 20.3 30.5

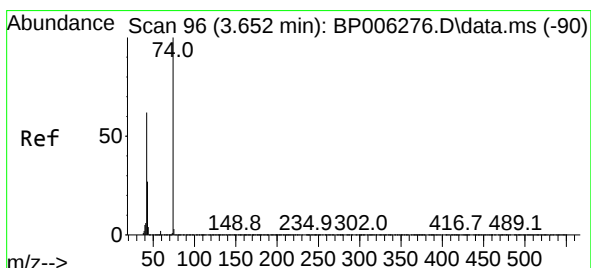
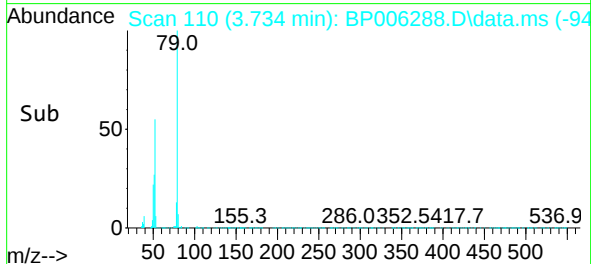
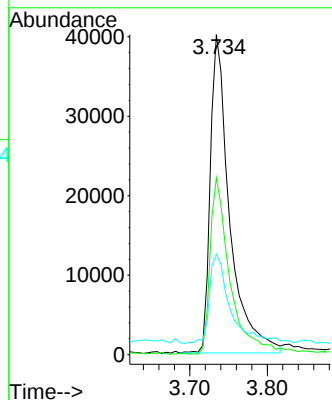
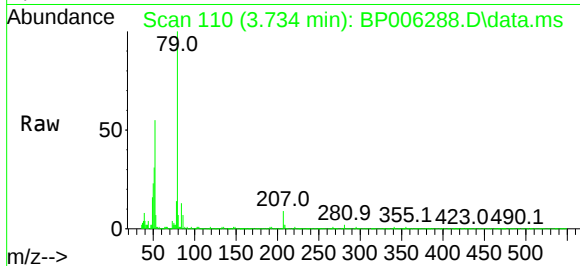




#3  
Pyridine  
Concen: 3.249 ng  
RT: 3.734 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

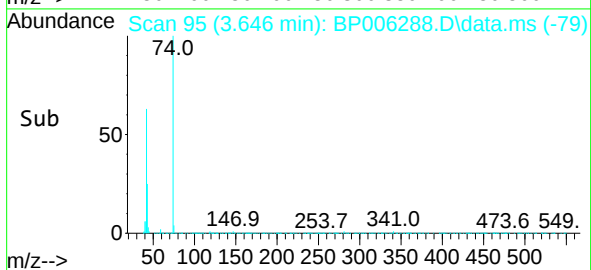
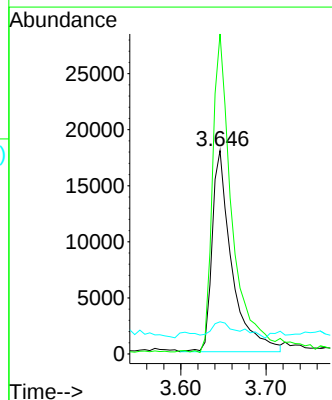
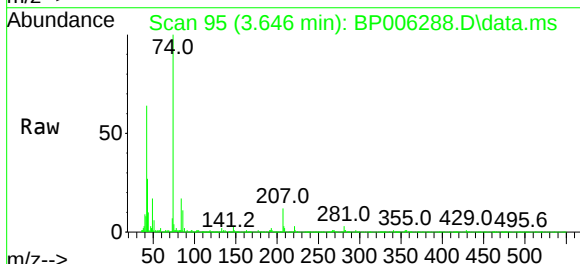
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

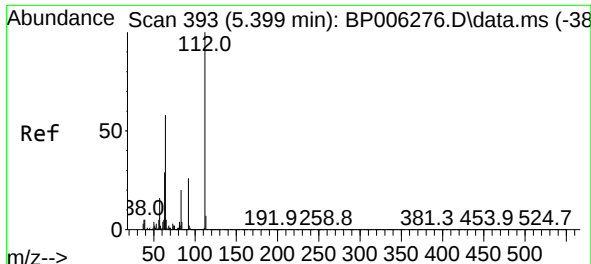
|             |             |
|-------------|-------------|
| Tgt Ion: 79 | Resp: 69327 |
| Ion Ratio   | Lower Upper |
| 79 100      |             |
| 52 55.3     | 41.7 62.5   |
| 51 31.5     | 24.1 36.1   |



#4  
n-Nitrosodimethylamine  
Concen: 3.954 ng  
RT: 3.646 min Scan# 95  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 28855 |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 74 157.4    | 105.4 158.0 |
| 44 15.9     | 4.2 6.4     |

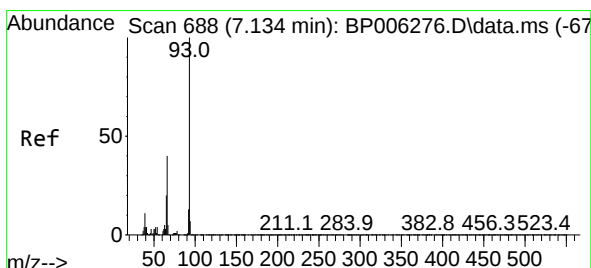
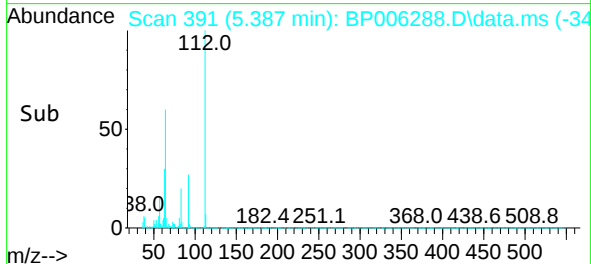
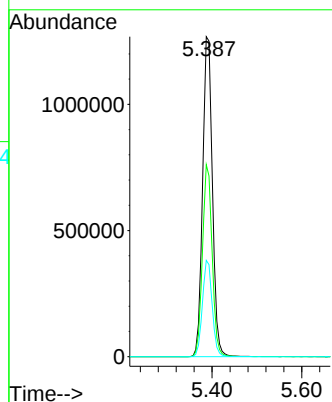
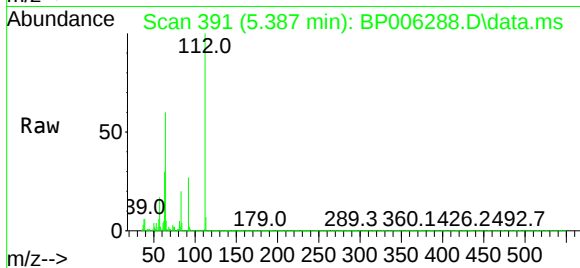




#5  
2-Fluorophenol  
Concen: 109.278 ng  
RT: 5.387 min Scan# 391  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

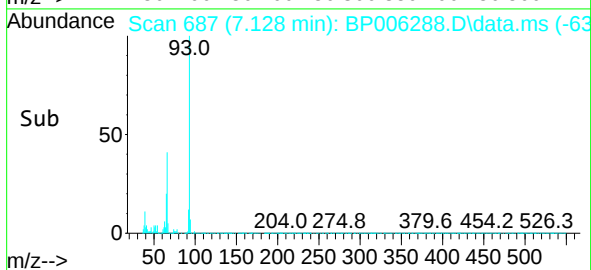
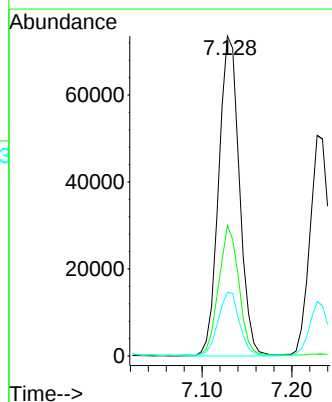
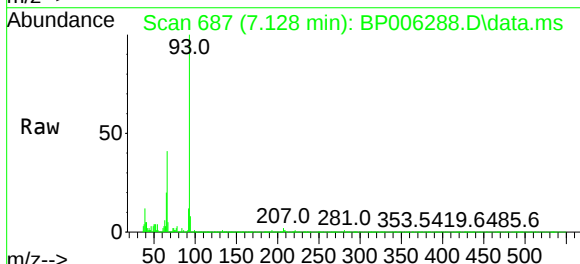
Instrument :  
BNA\_P  
ClientSampleId :  
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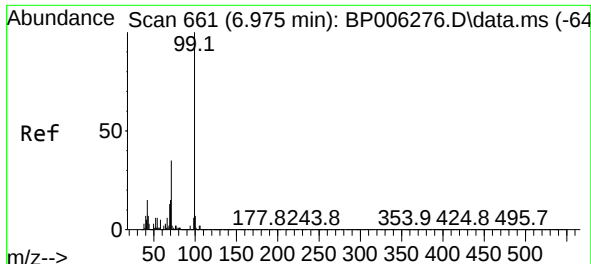
Tgt Ion:112 Resp: 1919364  
Ion Ratio Lower Upper  
112 100  
64 60.0 41.4 62.2  
63 30.1 23.8 35.8



#6  
Aniline  
Concen: 4.460 ng  
RT: 7.128 min Scan# 687  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
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Tgt Ion: 93 Resp: 117853  
Ion Ratio Lower Upper  
93 100  
66 40.8 29.7 44.5  
65 19.9 15.3 22.9

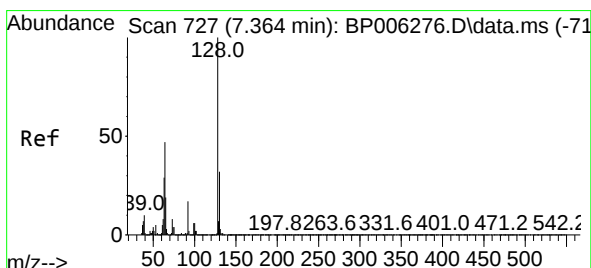
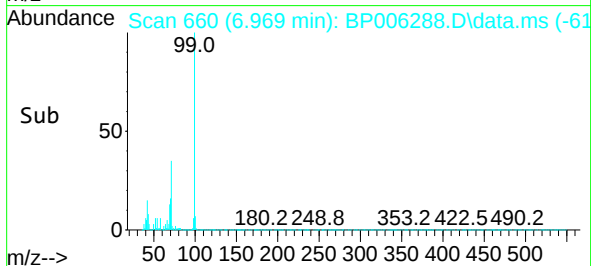
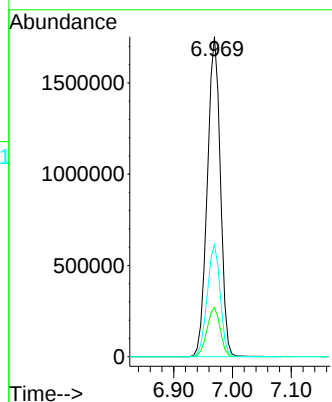
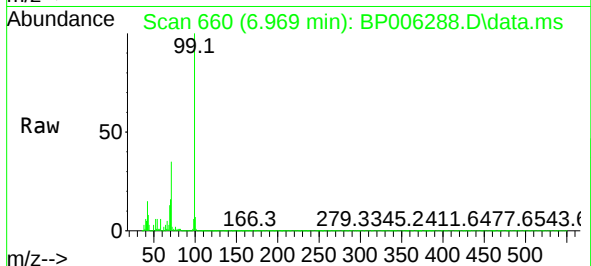




#7  
Phenol-d6  
Concen: 110.851 ng  
RT: 6.969 min Scan# 660  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

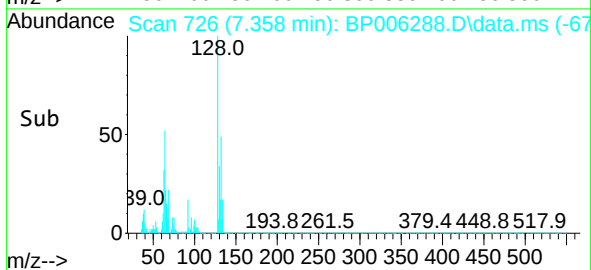
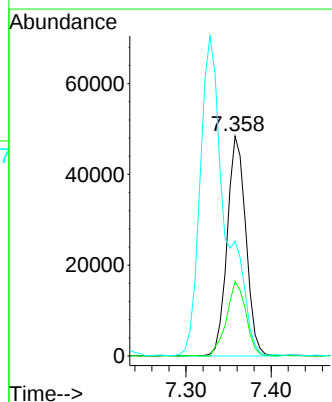
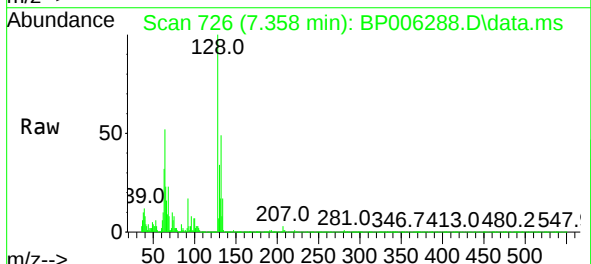
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

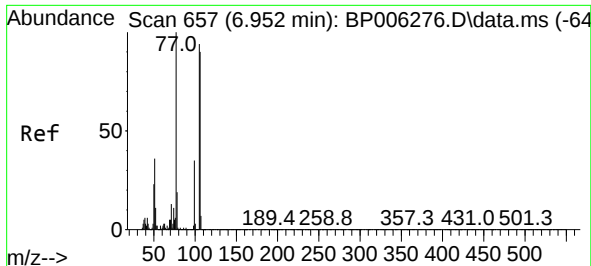
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Ion Ratio Lower Upper  
99 100  
42 15.4 13.4 20.0  
71 35.0 30.6 46.0



#8  
2-Chlorophenol  
Concen: 3.833 ng  
RT: 7.358 min Scan# 726  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 128 Resp: 73502  
Ion Ratio Lower Upper  
128 100  
130 34.0 12.4 52.4  
64 52.2 20.3 60.3

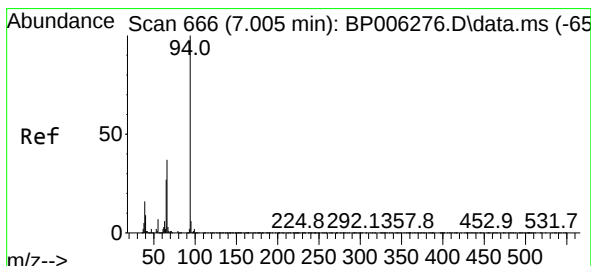
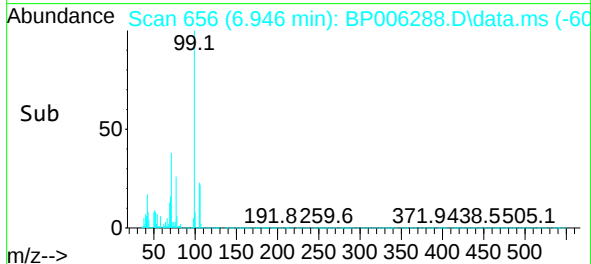
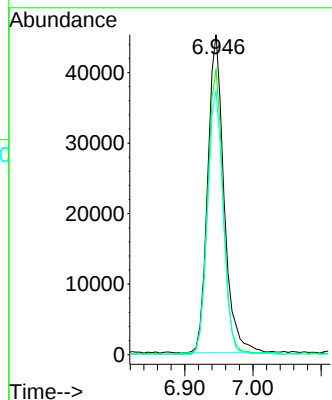
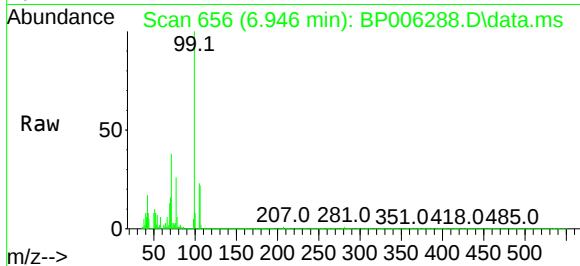




#9  
Benzaldehyde  
Concen: 5.362 ng  
RT: 6.946 min Scan# 656  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

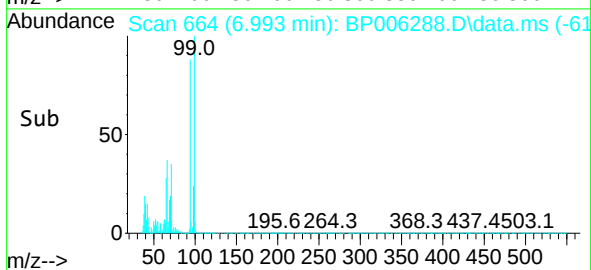
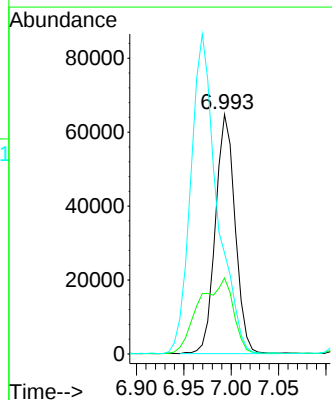
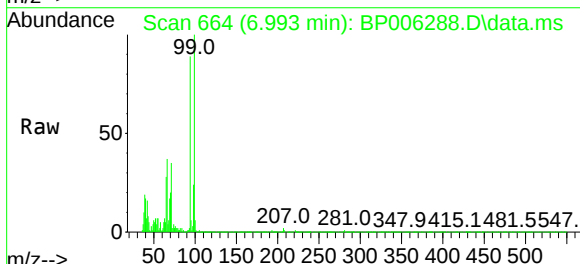
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

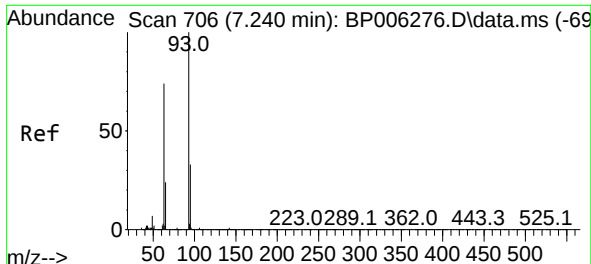
Tgt Ion: 77 Resp: 75190  
Ion Ratio Lower Upper  
77 100  
105 89.0 76.7 116.7  
106 82.2 76.2 116.2



#10  
Phenol  
Concen: 3.878 ng  
RT: 6.993 min Scan# 664  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 94 Resp: 93752  
Ion Ratio Lower Upper  
94 100  
65 31.7 8.8 48.8  
66 42.2 20.7 60.7

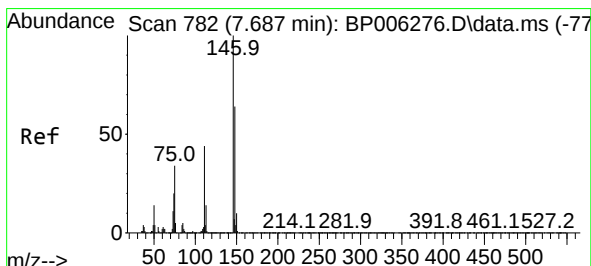
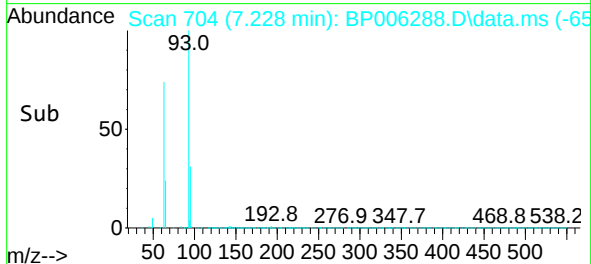
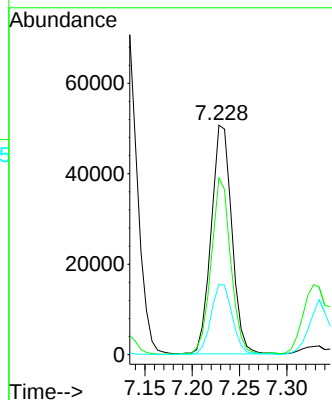
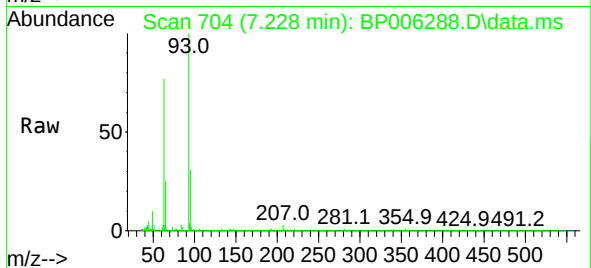




#11  
bis(2-Chloroethyl)ether  
Concen: 4.133 ng  
RT: 7.228 min Scan# 704  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

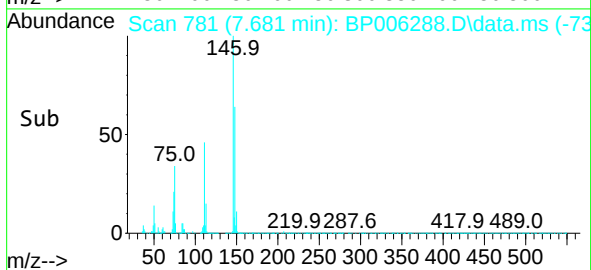
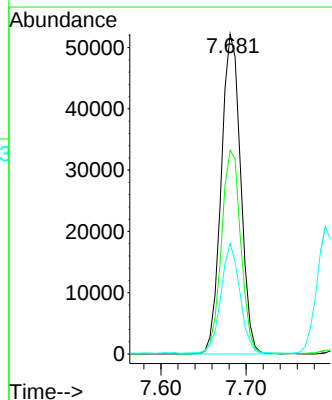
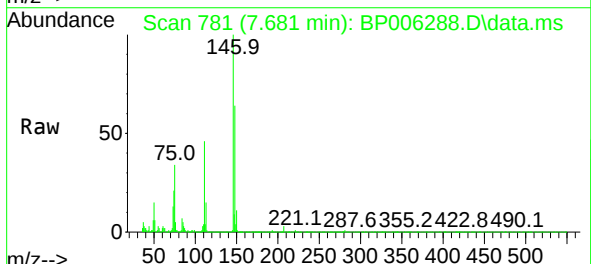
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

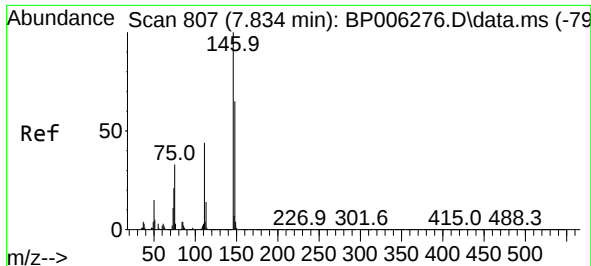
Tgt Ion: 93 Resp: 76744  
Ion Ratio Lower Upper  
93 100  
63 77.0 46.2 86.2  
95 30.6 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 4.040 ng  
RT: 7.681 min Scan# 781  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

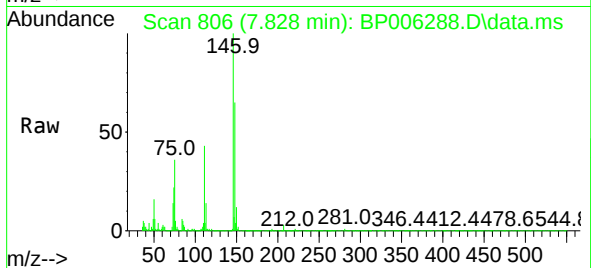
Tgt Ion:146 Resp: 82636  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.5 77.3  
75 34.5 25.7 38.5



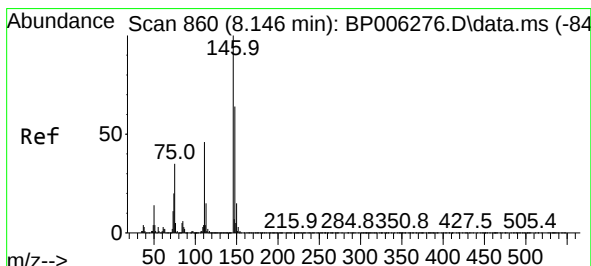
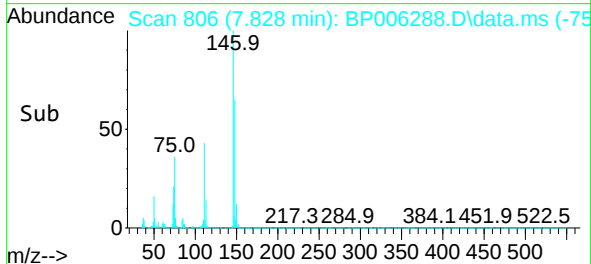
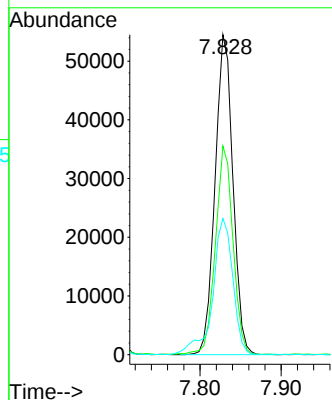


#13  
1,4-Dichlorobenzene  
Concen: 4.008 ng  
RT: 7.828 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

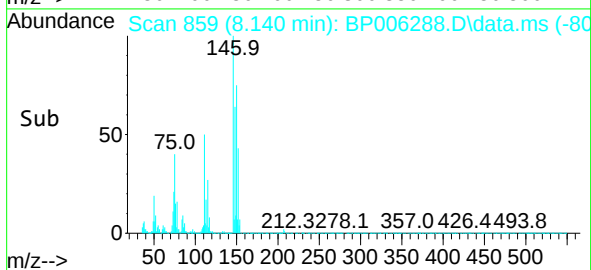
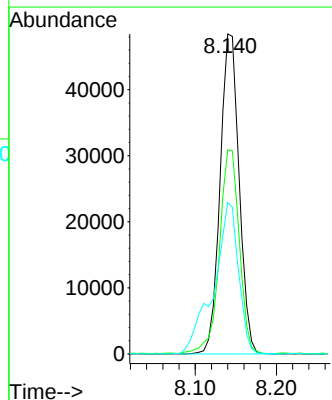
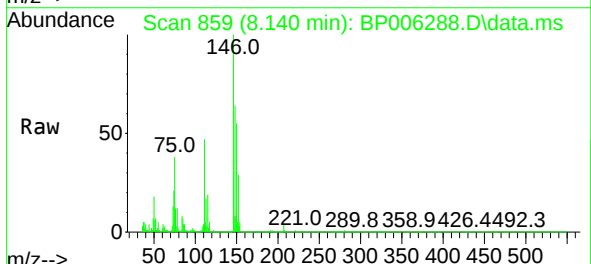


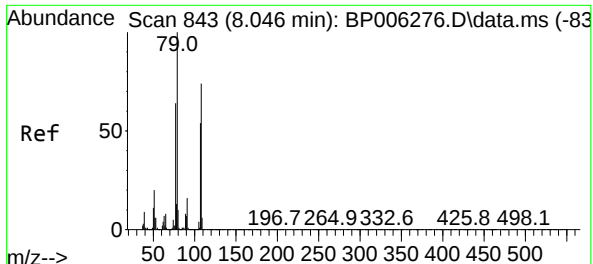
Tgt Ion:146 Resp: 83249  
Ion Ratio Lower Upper  
146 100  
148 65.2 51.3 76.9  
111 42.5 33.0 49.6



#14  
1,2-Dichlorobenzene  
Concen: 3.964 ng  
RT: 8.140 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:146 Resp: 78803  
Ion Ratio Lower Upper  
146 100  
148 63.8 50.3 75.5  
111 47.4 33.7 50.5

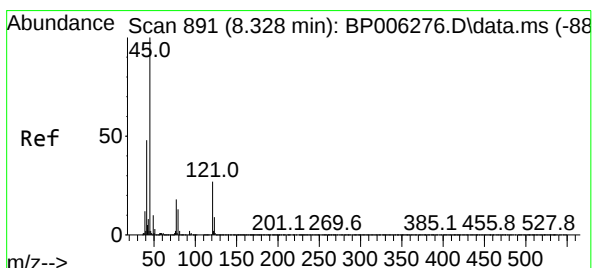
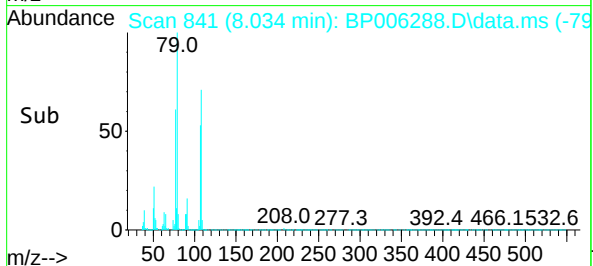
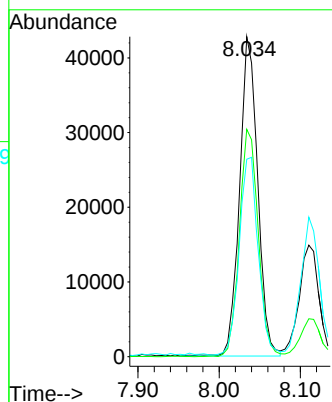
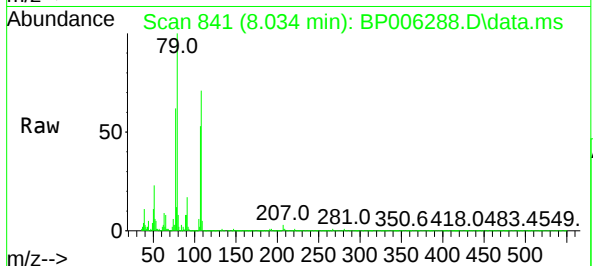




#15  
Benzyl Alcohol  
Concen: 3.782 ng  
RT: 8.034 min Scan# 841  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

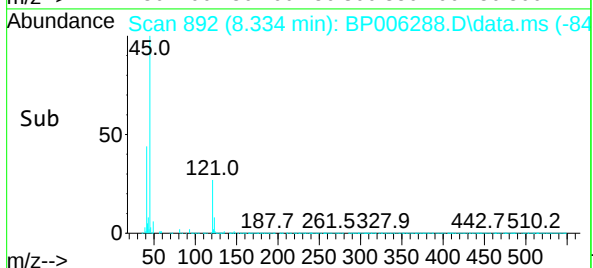
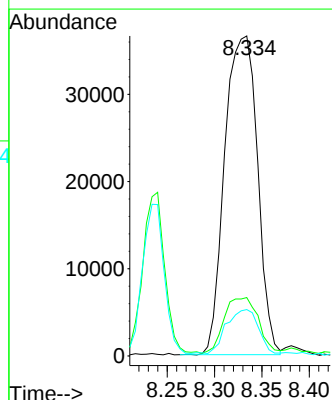
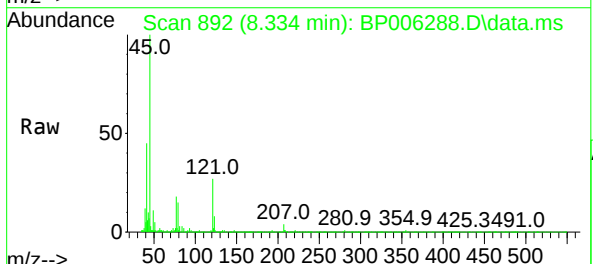
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

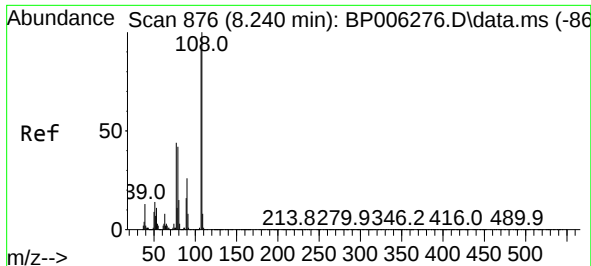
Tgt Ion: 79 Resp: 66127  
Ion Ratio Lower Upper  
79 100  
108 71.1 62.5 93.7  
77 61.7 52.9 79.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.363 ng  
RT: 8.334 min Scan# 892  
Delta R.T. 0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 45 Resp: 87947  
Ion Ratio Lower Upper  
45 100  
77 18.2 2.0 42.0  
79 14.5 0.0 36.7

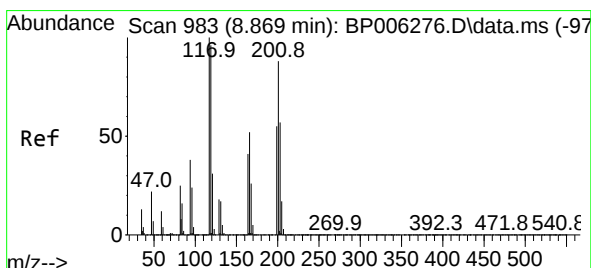
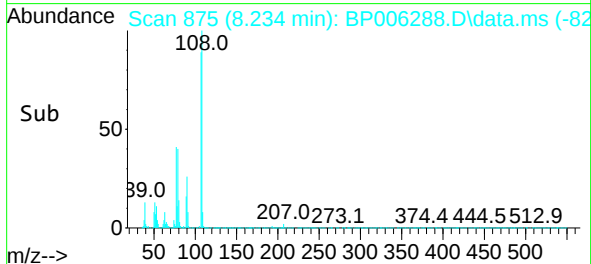
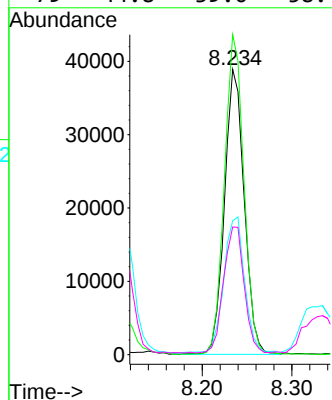
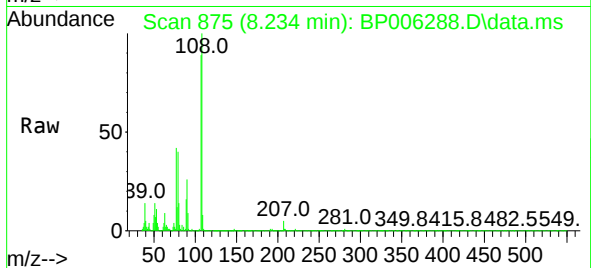




#17  
2-Methylphenol  
Concen: 3.804 ng  
RT: 8.234 min Scan# 875  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

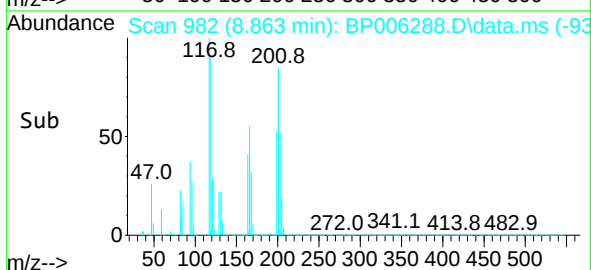
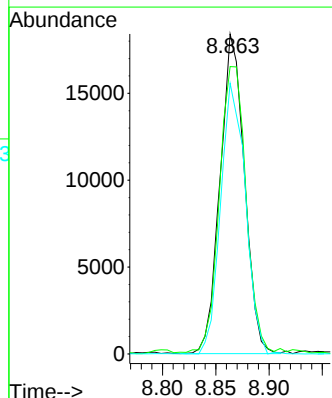
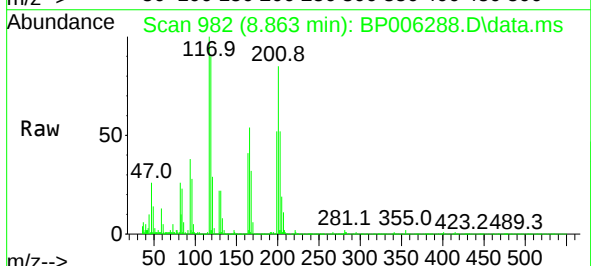
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

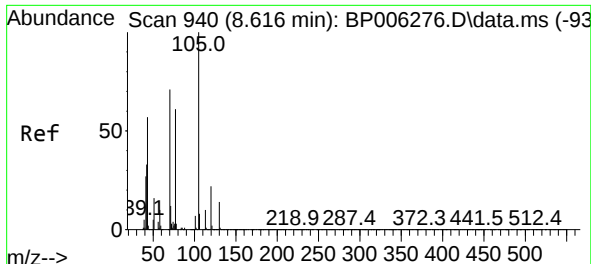
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 59365 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 112.2 | 87.7  | 131.5 |
| 77       | 47.0  | 40.2  | 60.2  |
| 79       | 44.8  | 39.0  | 58.4  |



#18  
Hexachloroethane  
Concen: 3.863 ng  
RT: 8.863 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 29175 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 89.8  | 76.2  | 114.2 |
| 201      | 84.6  | 83.4  | 125.0 |

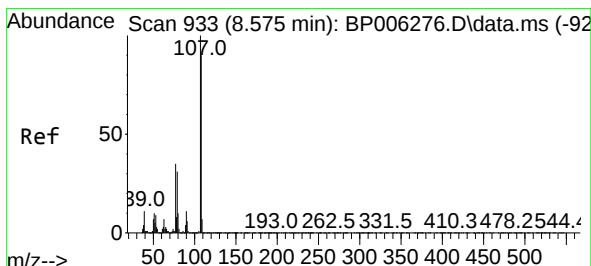
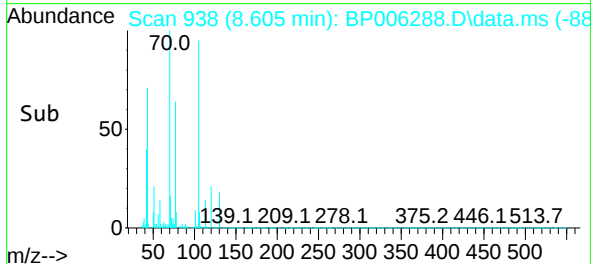
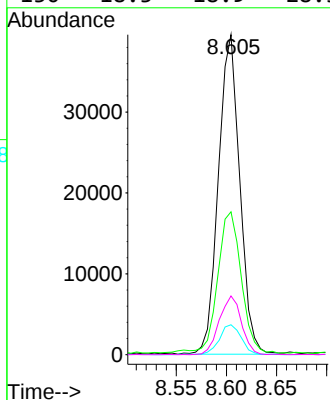
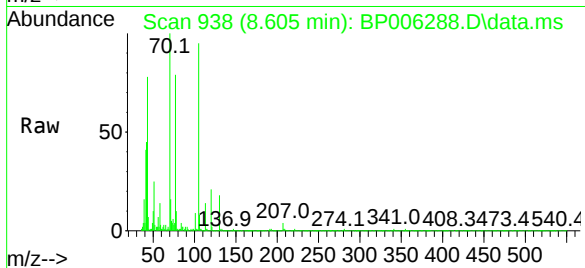




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.911 ng  
RT: 8.605 min Scan# 938  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

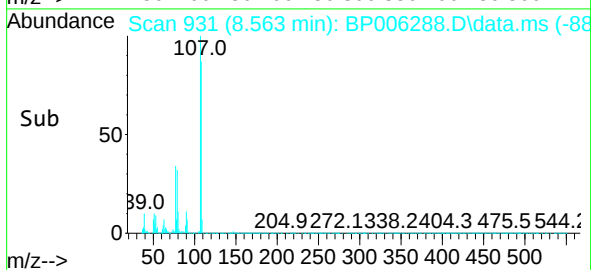
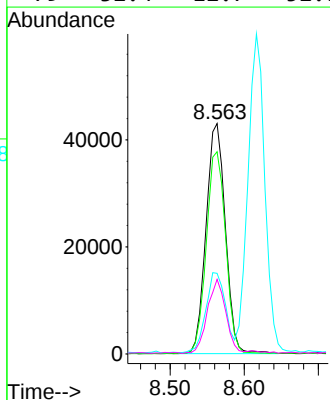
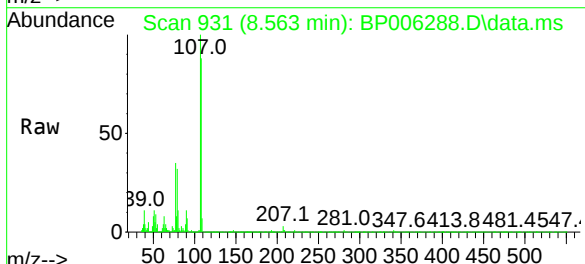
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

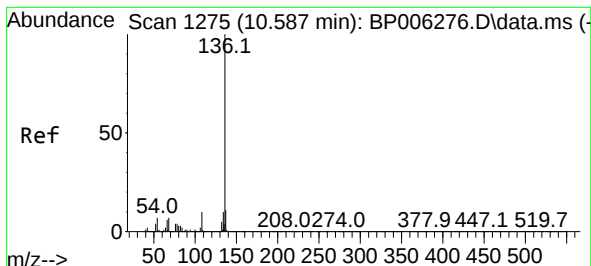
|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 58601 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 44.6     | 40.8 61.2   |
| 101 9.3     | 8.8 13.2    |
| 130 18.3    | 18.9 28.3#  |



#20  
3+4-Methylphenols  
Concen: 3.689 ng  
RT: 8.563 min Scan# 931  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|              |             |
|--------------|-------------|
| Tgt Ion: 107 | Resp: 77841 |
| Ion Ratio    | Lower Upper |
| 107 100      |             |
| 108 87.7     | 71.0 111.0  |
| 77 35.0      | 16.6 56.6   |
| 79 32.4      | 12.7 52.7   |

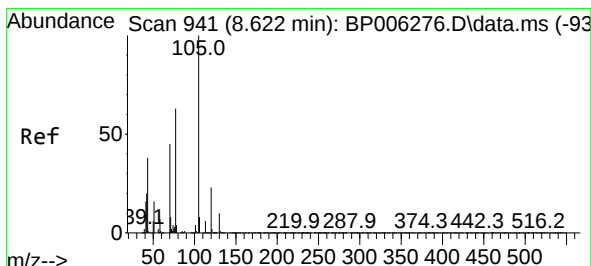
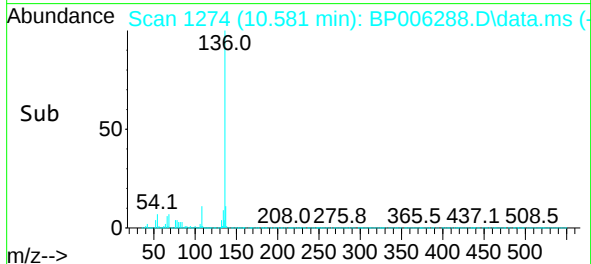
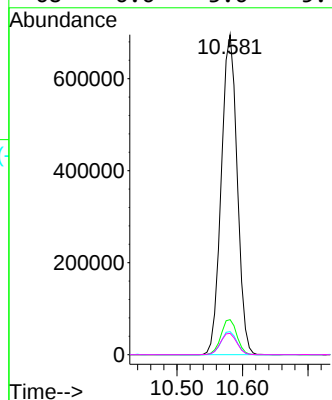
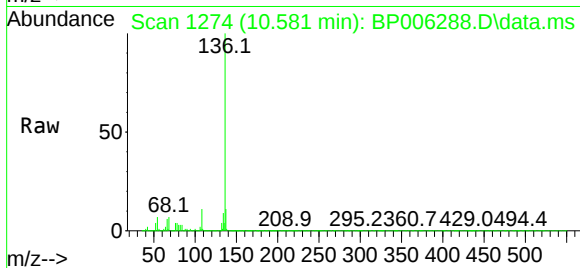




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.581 min Scan# 1274  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

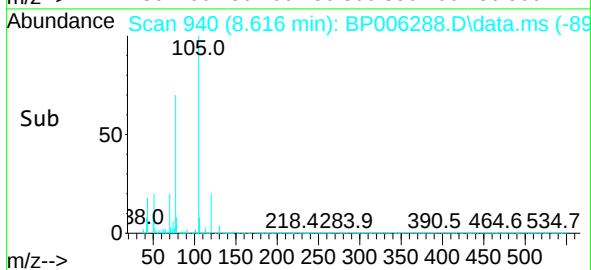
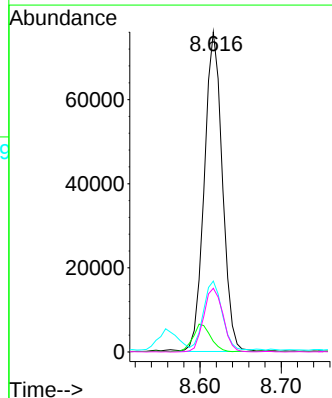
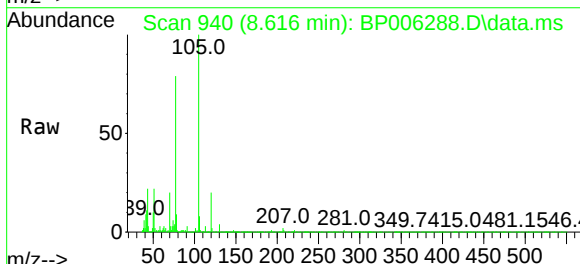
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

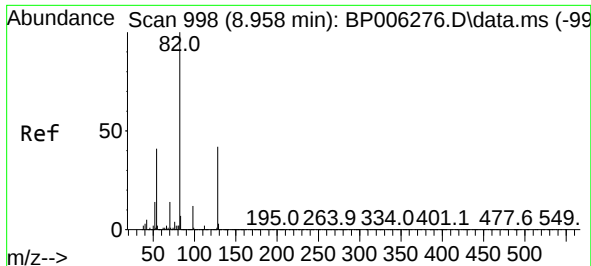
Tgt Ion:136 Resp: 1167350  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 7.2 4.6 6.8#  
68 6.6 3.6 5.4#



#22  
Acetophenone  
Concen: 4.067 ng  
RT: 8.616 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:105 Resp: 117399  
Ion Ratio Lower Upper  
105 100  
71 3.3 1.9 2.9#  
51 22.1 18.4 27.6  
120 19.9 17.9 26.9

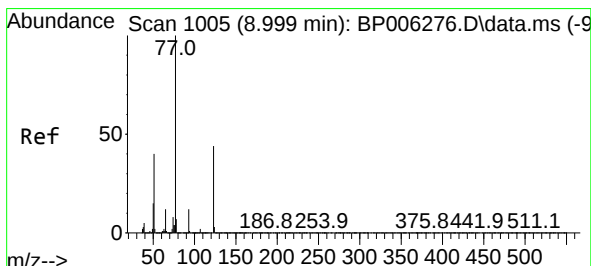
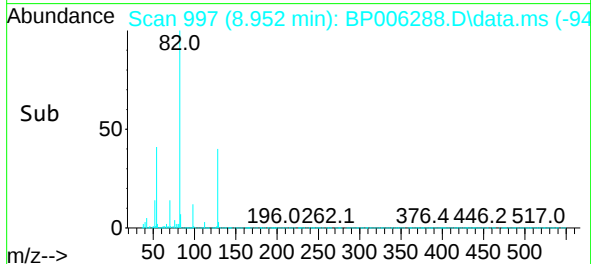
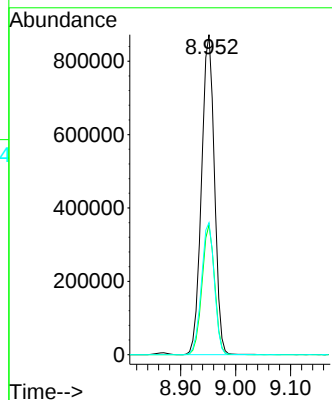
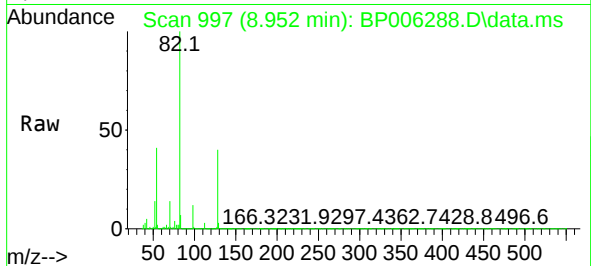




#23  
Nitrobenzene-d5  
Concen: 64.420 ng  
RT: 8.952 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

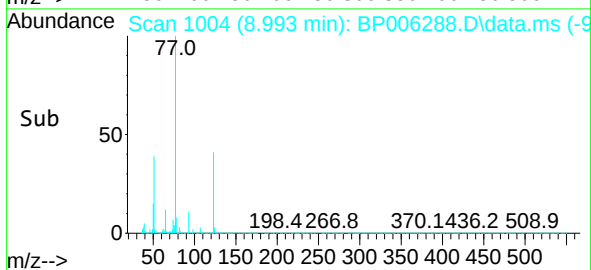
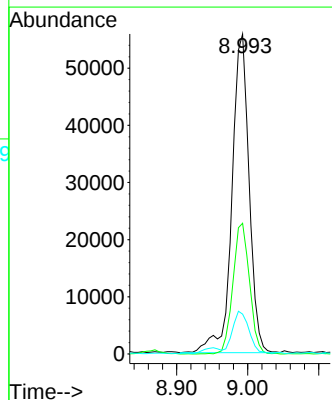
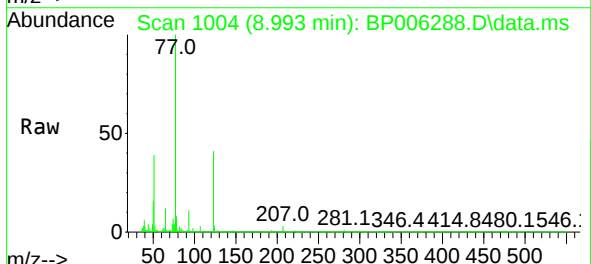
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

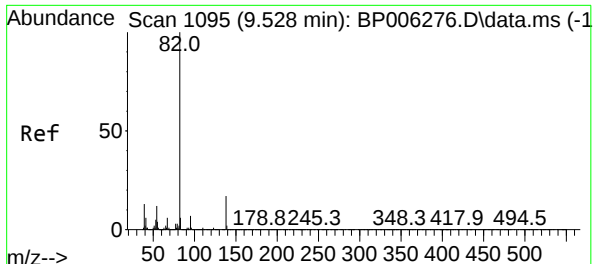
Tgt Ion: 82 Resp: 1421159  
Ion Ratio Lower Upper  
82 100  
128 40.5 35.7 53.5  
54 41.3 35.0 52.4



#24  
Nitrobenzene  
Concen: 4.072 ng  
RT: 8.993 min Scan# 1004  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 77 Resp: 93788  
Ion Ratio Lower Upper  
77 100  
123 40.9 38.2 57.2  
65 12.4 11.4 17.2

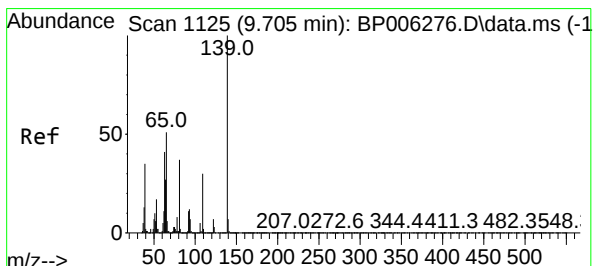
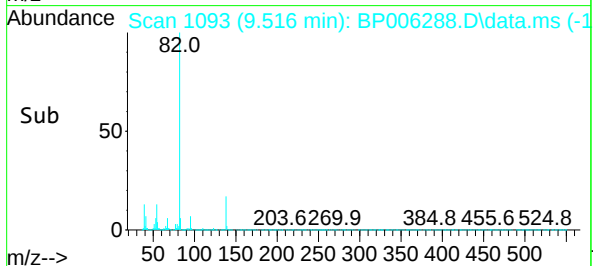
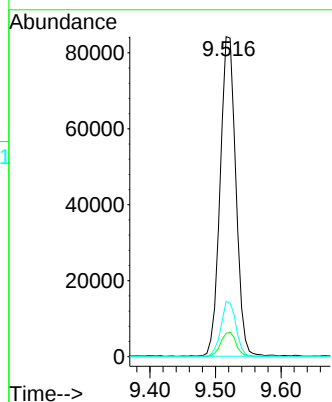
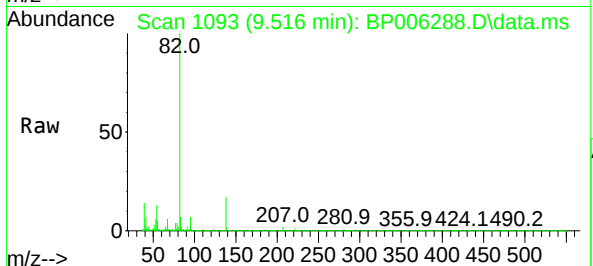




#25  
Isophorone  
Concen: 3.444 ng  
RT: 9.516 min Scan# 1093  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

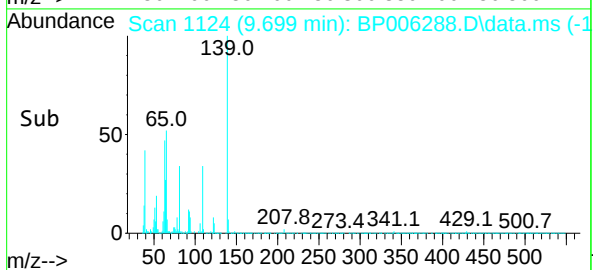
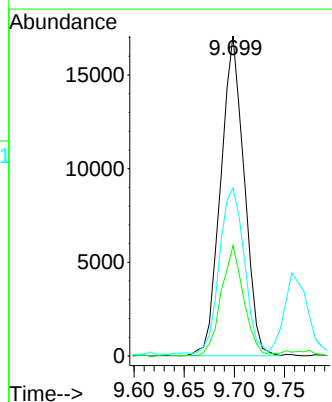
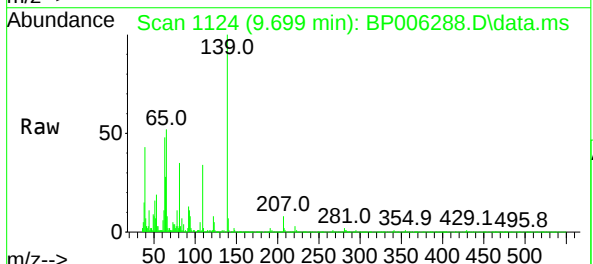
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

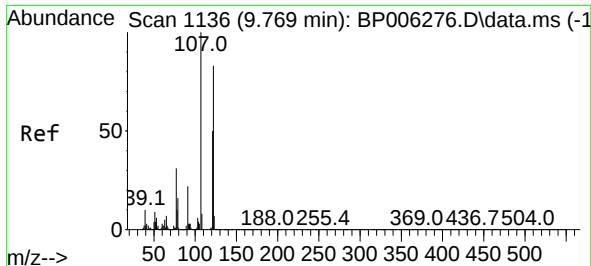
Tgt Ion: 82 Resp: 139470  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.5 9.7  
138 17.3 15.0 22.4



#26  
2-Nitrophenol  
Concen: 3.151 ng  
RT: 9.699 min Scan# 1124  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 139 Resp: 27774  
Ion Ratio Lower Upper  
139 100  
109 34.5 28.8 43.2  
65 52.5 41.0 61.6

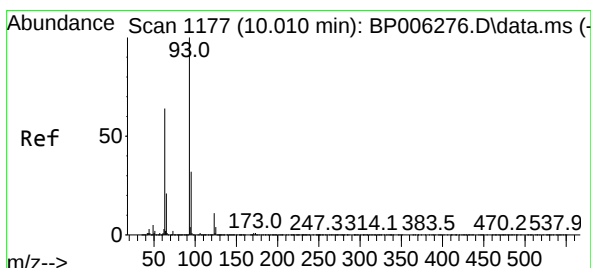
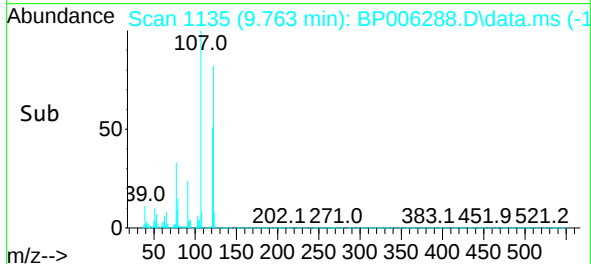
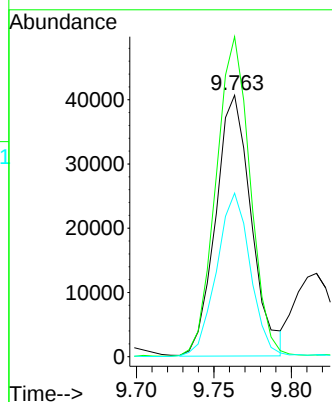
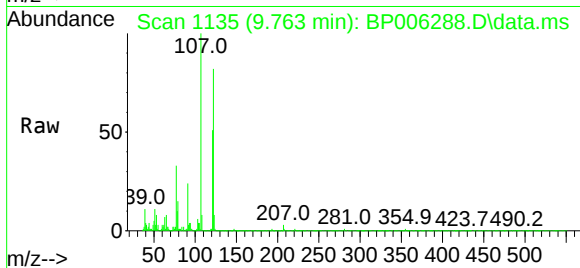




#27  
2,4-Dimethylphenol  
Concen: 4.094 ng  
RT: 9.763 min Scan# 1135  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

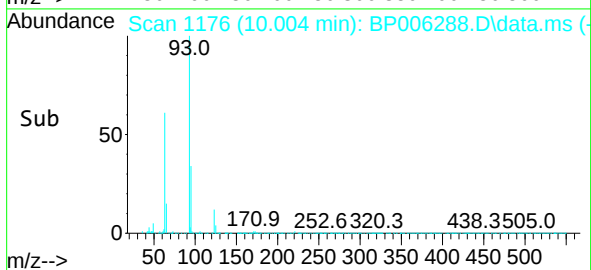
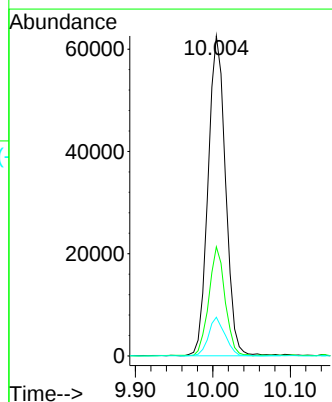
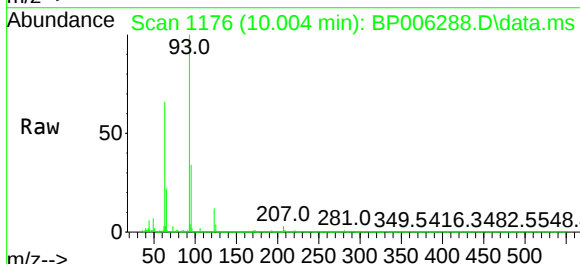
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

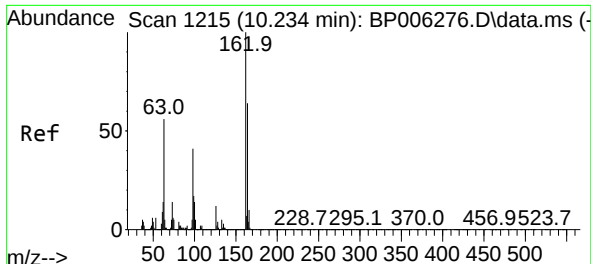
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:122 | Resp: | 64914       |
| Ion         | Ratio | Lower Upper |
| 122         | 100   |             |
| 107         | 122.4 | 94.5 141.7  |
| 121         | 62.5  | 47.4 71.2   |



#28  
bis(2-Chloroethoxy)methane  
Concen: 4.241 ng  
RT: 10.004 min Scan# 1176  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 93 | Resp: | 97964       |
| Ion         | Ratio | Lower Upper |
| 93          | 100   |             |
| 95          | 34.1  | 25.9 38.9   |
| 123         | 12.1  | 10.2 15.2   |

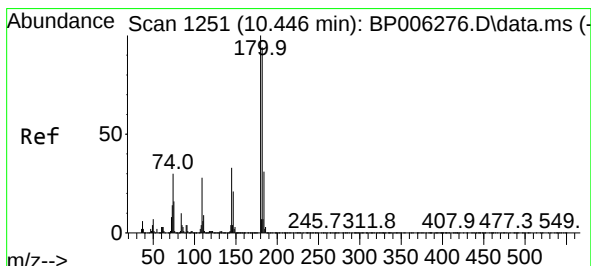
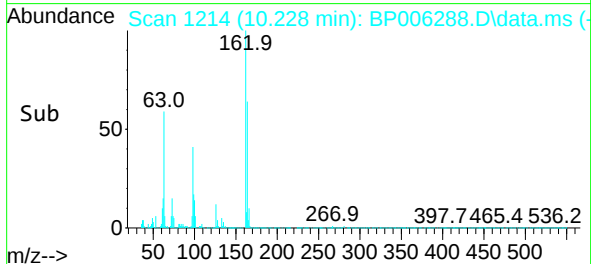
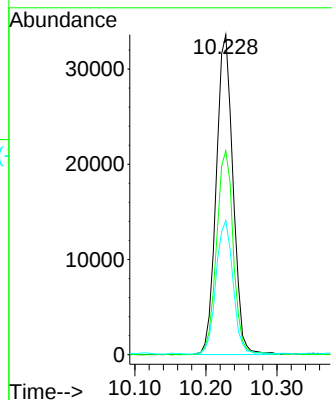
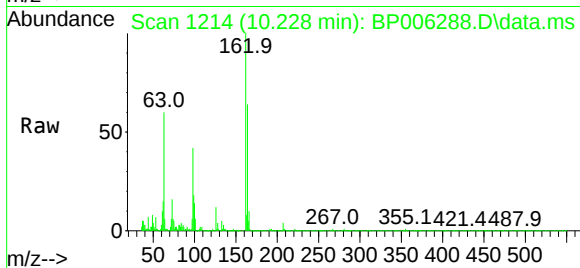




#29  
2,4-Dichlorophenol  
Concen: 3.384 ng  
RT: 10.228 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

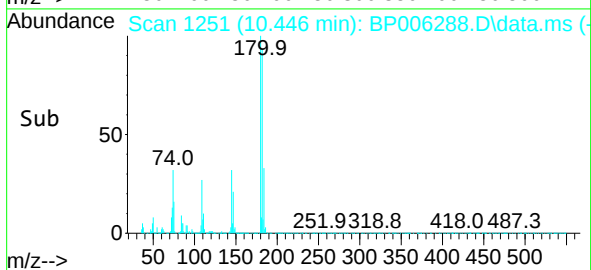
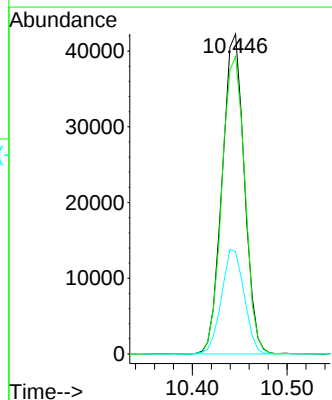
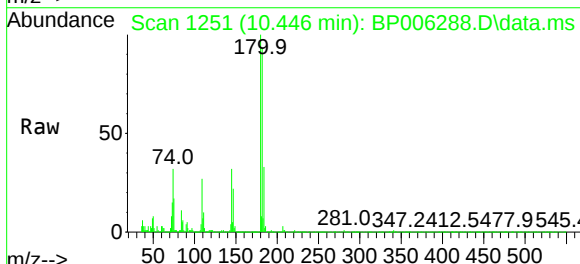
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

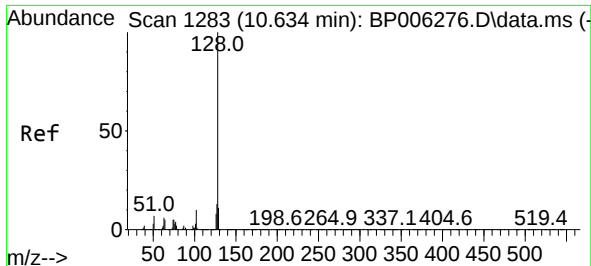
Tgt Ion:162 Resp: 54994  
Ion Ratio Lower Upper  
162 100  
164 63.7 44.9 84.9  
98 41.9 14.3 54.3



#30  
1,2,4-Trichlorobenzene  
Concen: 3.842 ng  
RT: 10.446 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:180 Resp: 68847  
Ion Ratio Lower Upper  
180 100  
182 93.0 77.9 116.9  
145 32.0 24.7 37.1

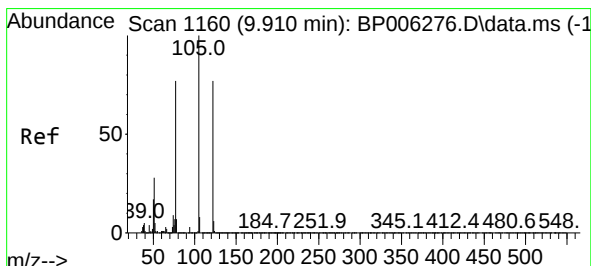
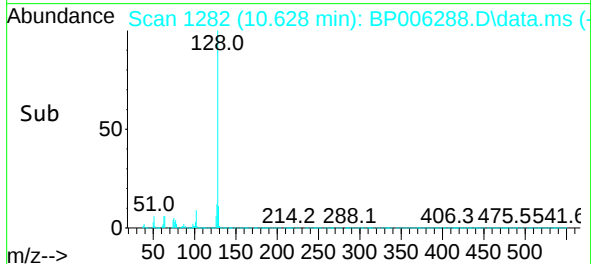
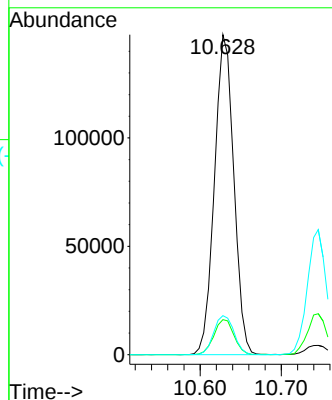
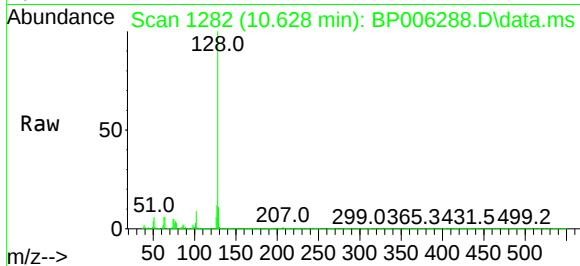




#31  
Naphthalene  
Concen: 3.964 ng  
RT: 10.628 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

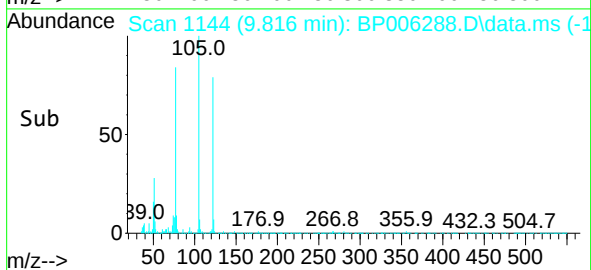
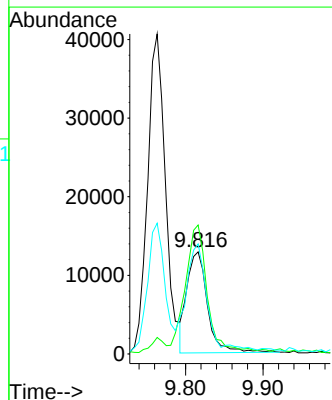
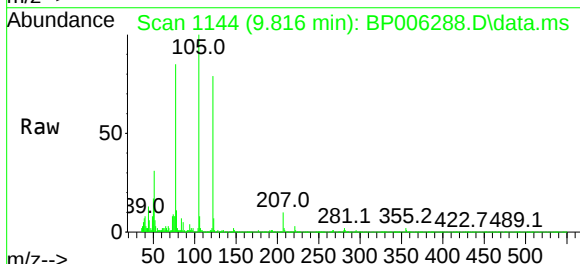
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

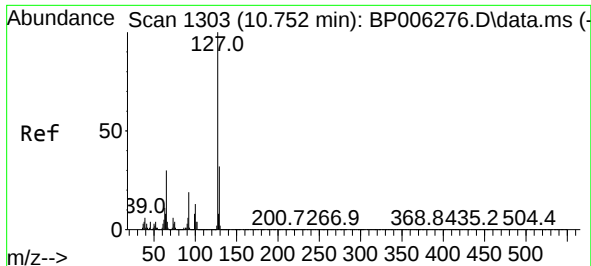
Tgt Ion:128 Resp: 244501  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 12.2 10.7 16.1



#32  
Benzoic acid  
Concen: 2.095 ng  
RT: 9.816 min Scan# 1144  
Delta R.T. -0.094 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:122 Resp: 23633  
Ion Ratio Lower Upper  
122 100  
105 126.3 103.2 143.2  
77 107.9 76.2 116.2

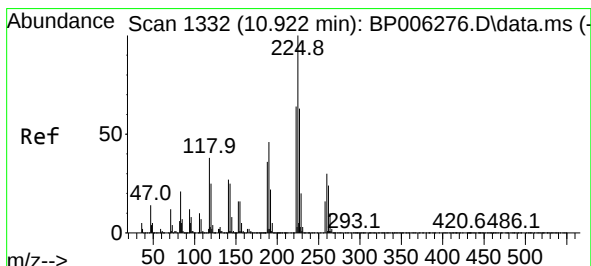
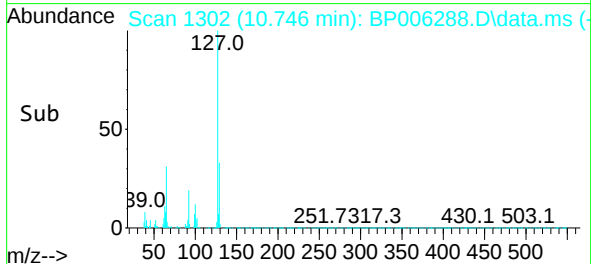
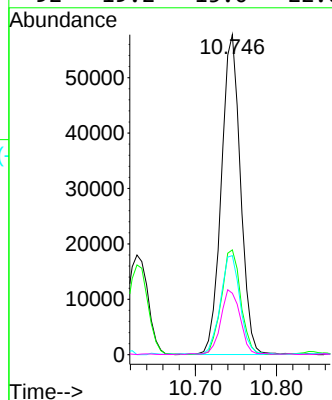
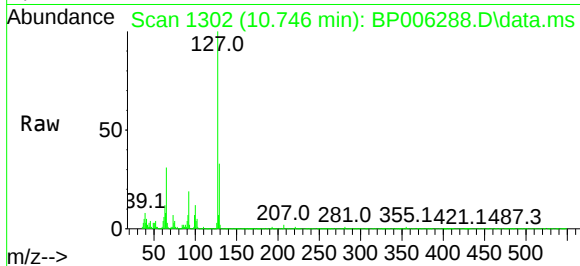




#33  
4-Chloroaniline  
Concen: 3.839 ng  
RT: 10.746 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

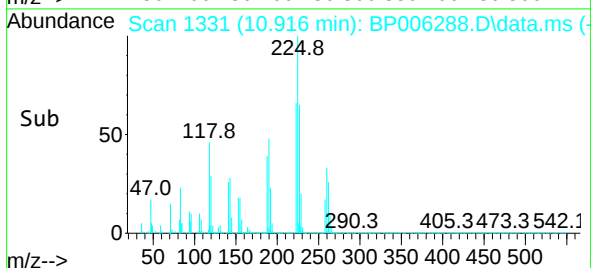
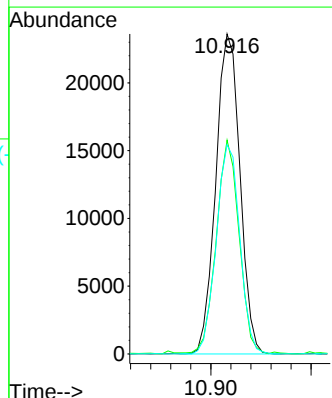
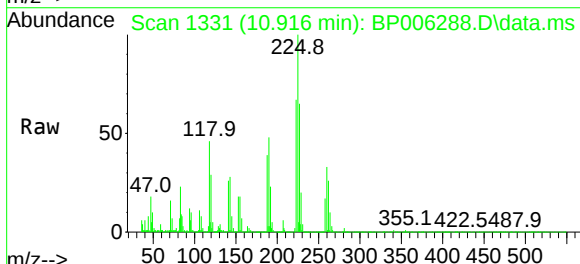
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

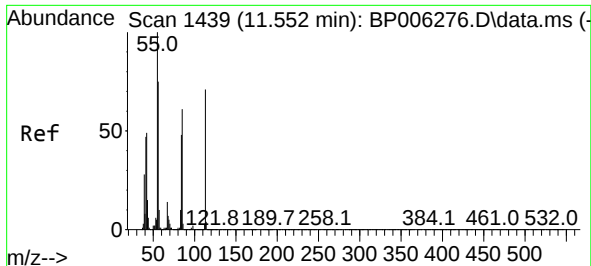
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 94704 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.7  | 26.1  | 39.1  |
| 65       | 31.0  | 22.5  | 33.7  |
| 92       | 19.2  | 15.0  | 22.6  |



#34  
Hexachlorobutadiene  
Concen: 3.747 ng  
RT: 10.916 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 39395 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 66.8  | 51.0  | 76.6  |
| 227      | 65.4  | 51.4  | 77.2  |

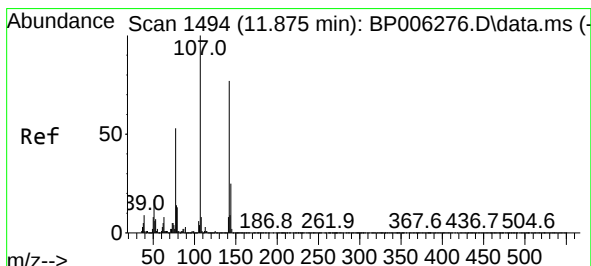
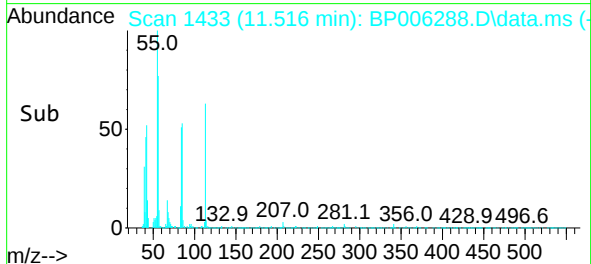
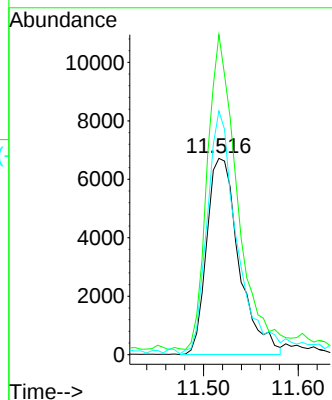
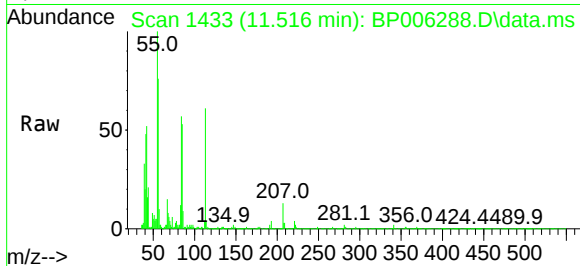




#35  
Caprolactam  
Concen: 3.093 ng  
RT: 11.516 min Scan# 1433  
Delta R.T. -0.035 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

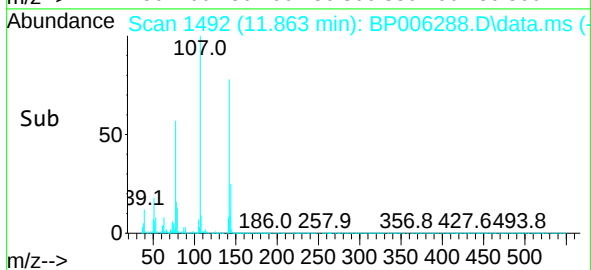
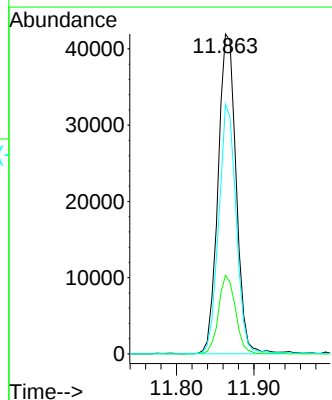
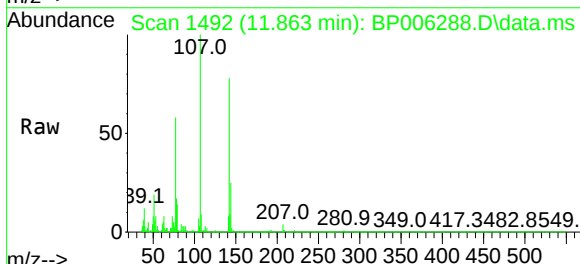
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

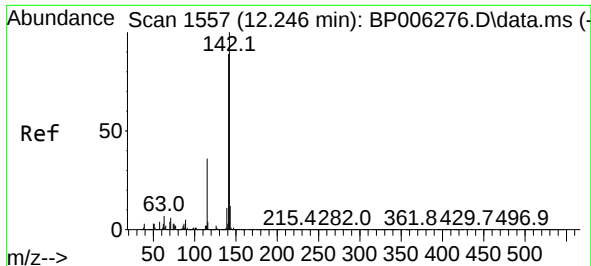
Tgt Ion:113 Resp: 15909  
Ion Ratio Lower Upper  
113 100  
55 163.0 98.9 138.9#  
56 124.1 71.7 111.7#



#36  
4-Chloro-3-methylphenol  
Concen: 3.521 ng  
RT: 11.863 min Scan# 1492  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:107 Resp: 68108  
Ion Ratio Lower Upper  
107 100  
144 24.6 21.1 31.7  
142 78.0 66.0 99.0

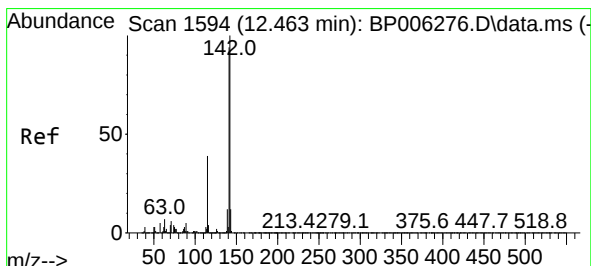
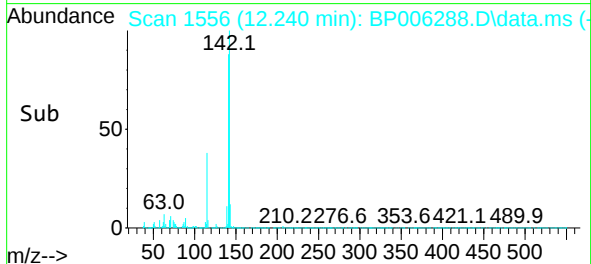
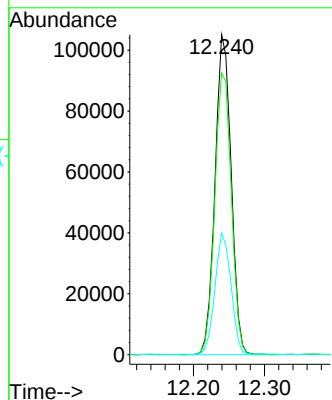
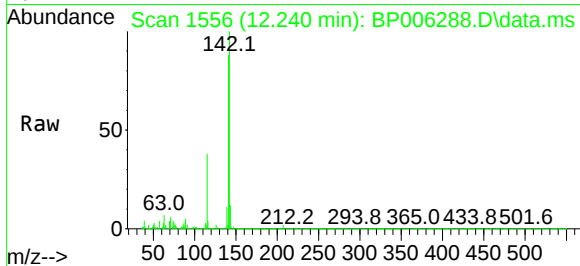




#37  
2-Methylnaphthalene  
Concen: 3.904 ng  
RT: 12.240 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

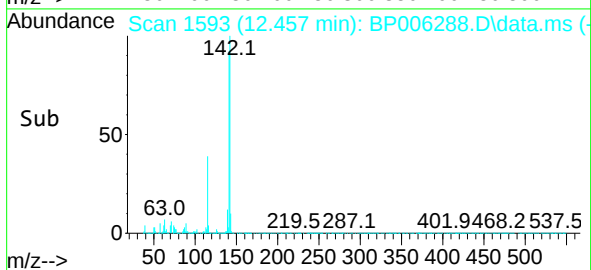
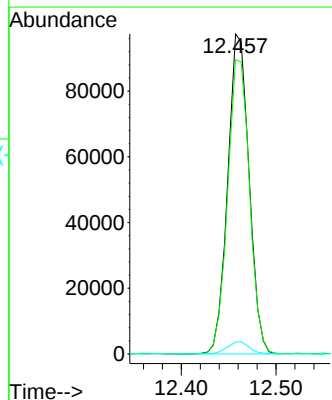
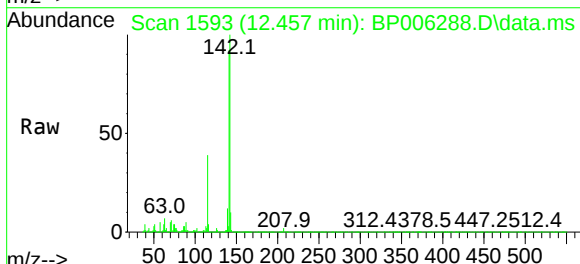
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

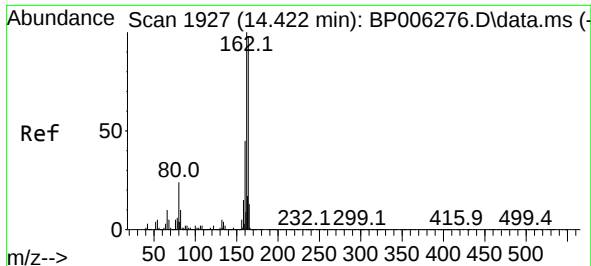
Tgt Ion:142 Resp: 165349  
Ion Ratio Lower Upper  
142 100  
141 88.0 71.8 107.6  
115 38.0 31.6 47.4



#38  
1-Methylnaphthalene  
Concen: 3.819 ng  
RT: 12.457 min Scan# 1593  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:142 Resp: 152455  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.3 109.9  
116 3.7 3.5 5.3

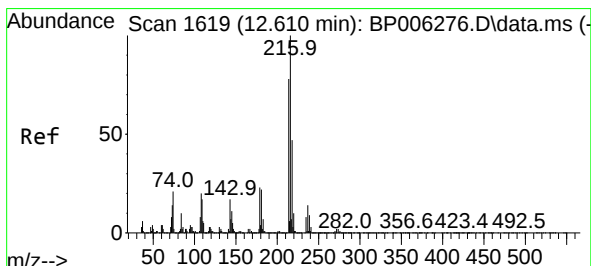
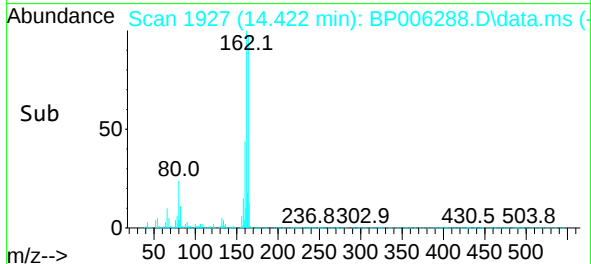
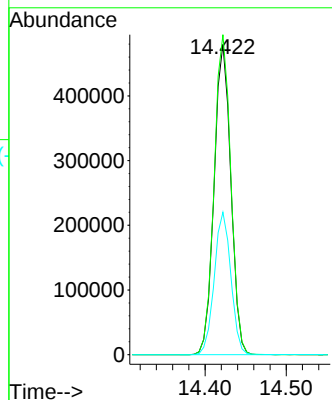
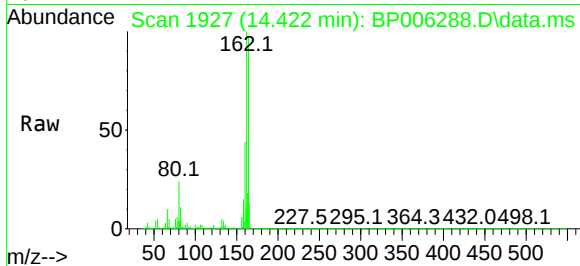




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.422 min Scan# 1927  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

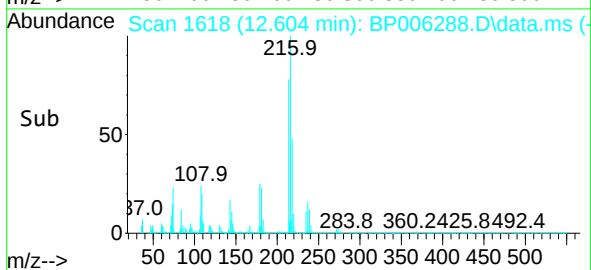
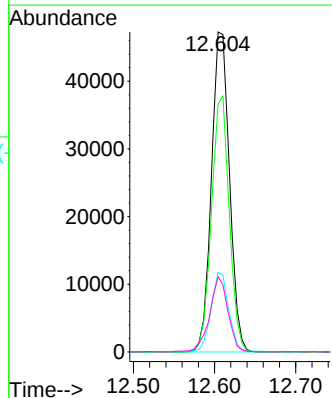
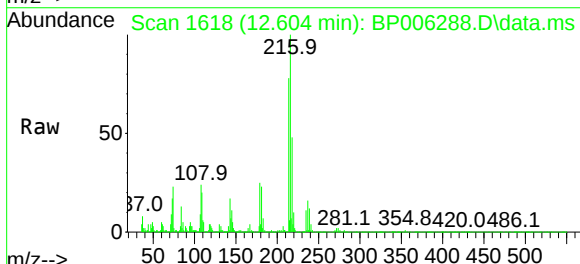
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

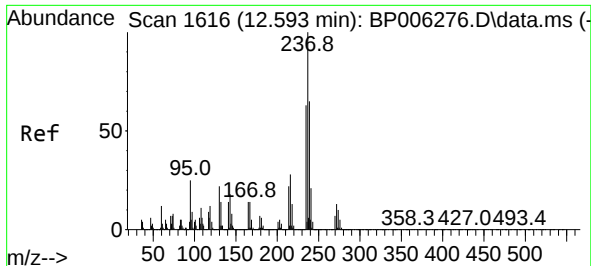
Tgt Ion:164 Resp: 685533  
Ion Ratio Lower Upper  
164 100  
162 103.1 80.2 120.2  
160 45.9 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.945 ng  
RT: 12.604 min Scan# 1618  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:216 Resp: 72901  
Ion Ratio Lower Upper  
216 100  
214 78.9 61.9 92.9  
179 24.5 16.8 25.2  
108 24.0 14.9 22.3#

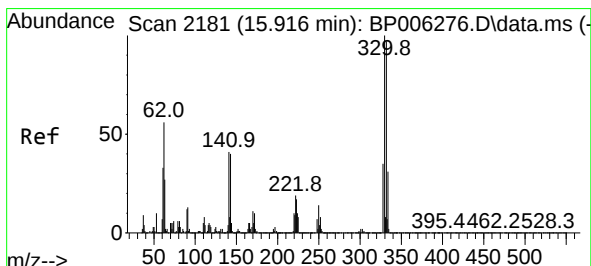
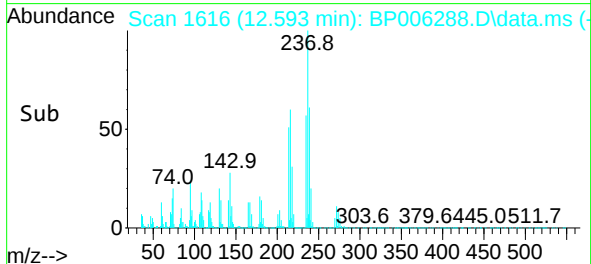
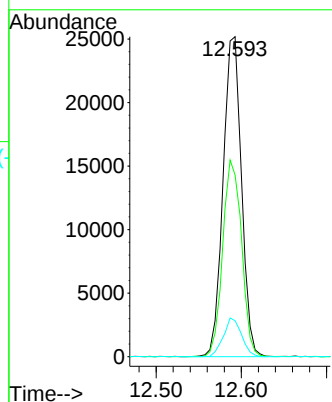
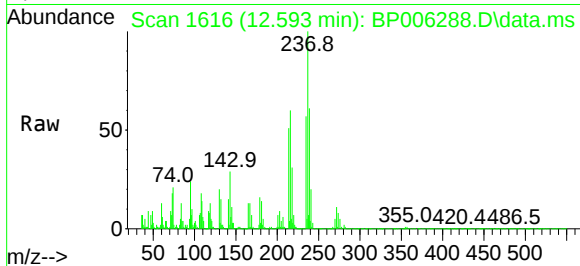




#41  
Hexachlorocyclopentadiene  
Concen: 3.772 ng  
RT: 12.593 min Scan# 1616  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

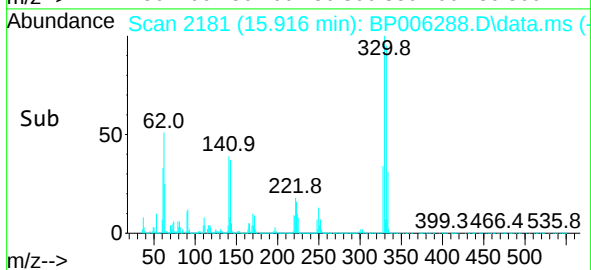
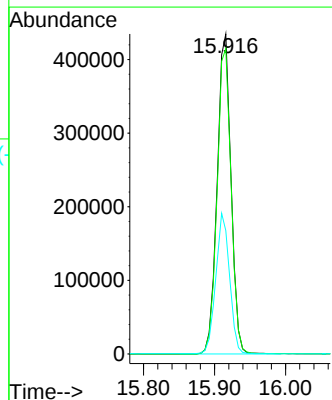
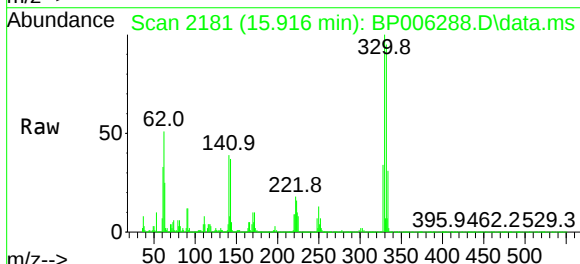
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

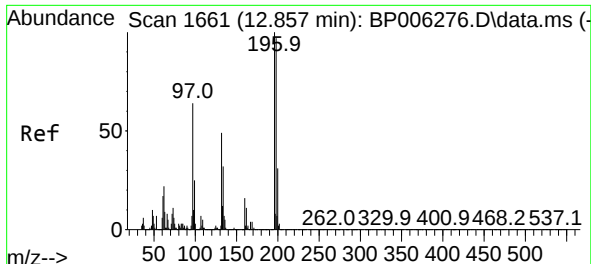
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 237   | Resp: | 37760 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 56.8  | 44.5  | 84.5  |
| 272       | 11.3  | 0.0   | 32.5  |



#42  
2,4,6-Tribromophenol  
Concen: 93.901 ng  
RT: 15.916 min Scan# 2181  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 586538 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.7  | 77.8  | 116.8  |
| 141       | 43.8  | 25.4  | 38.2#  |

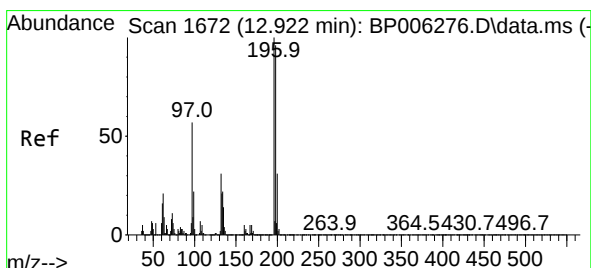
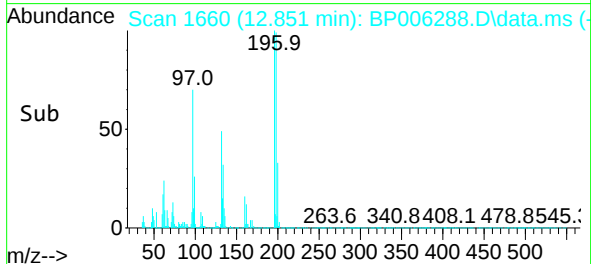
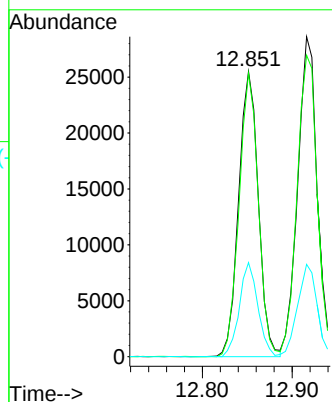
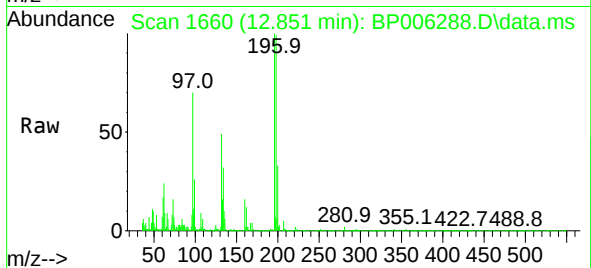




#43  
2,4,6-Trichlorophenol  
Concen: 3.188 ng  
RT: 12.851 min Scan# 1660  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

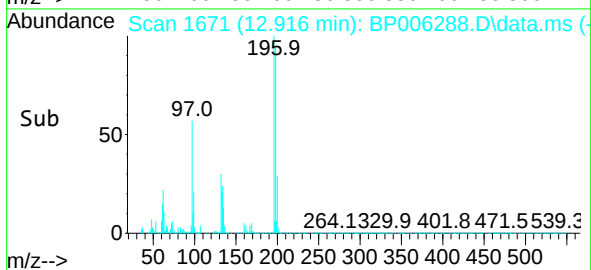
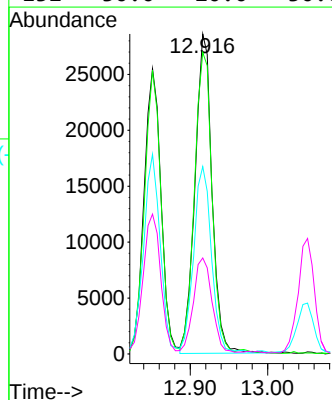
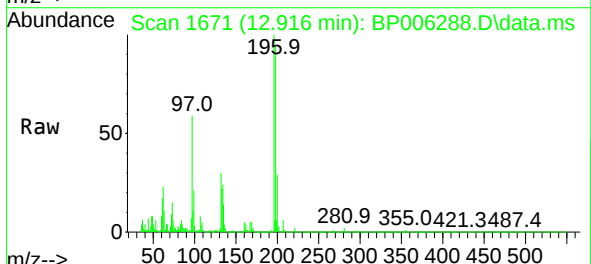
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

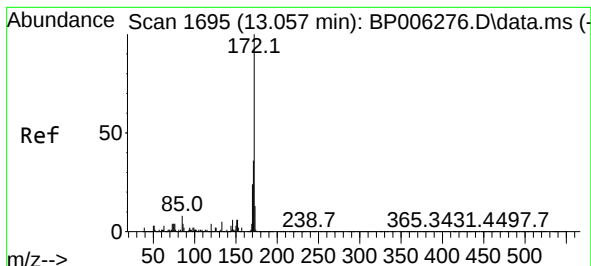
Tgt Ion:196 Resp: 38901  
Ion Ratio Lower Upper  
196 100  
198 99.4 79.5 119.3  
200 33.0 25.0 37.6



#44  
2,4,5-Trichlorophenol  
Concen: 3.256 ng  
RT: 12.916 min Scan# 1671  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:196 Resp: 43563  
Ion Ratio Lower Upper  
196 100  
198 94.2 74.7 112.1  
97 58.5 37.4 56.0#  
132 30.0 20.0 30.0

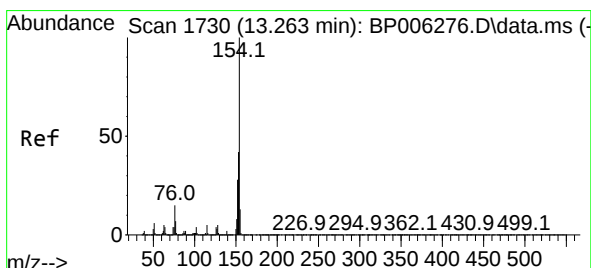
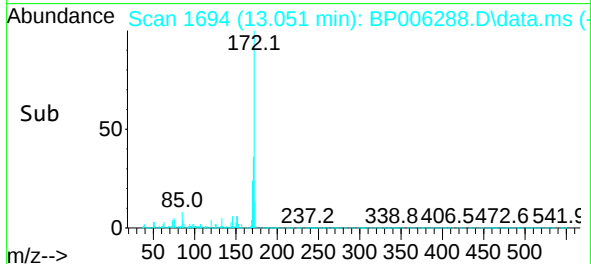
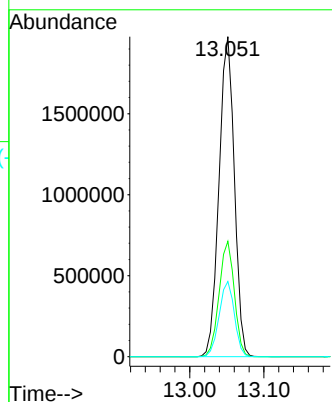
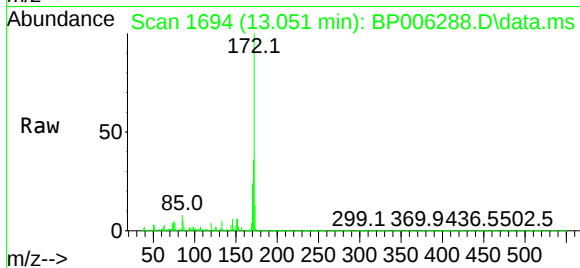




#45  
2-Fluorobiphenyl  
Concen: 62.285 ng  
RT: 13.051 min Scan# 1694  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

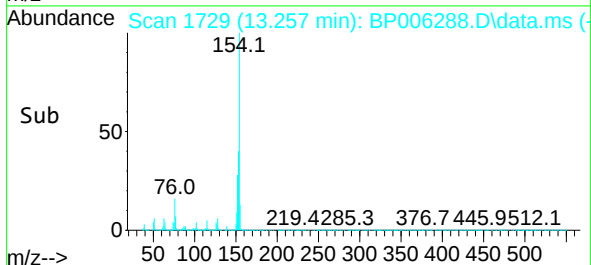
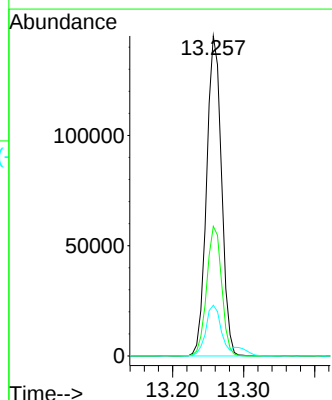
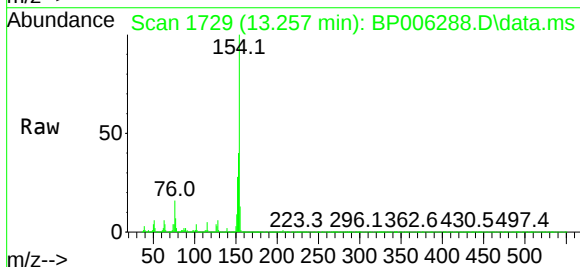
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

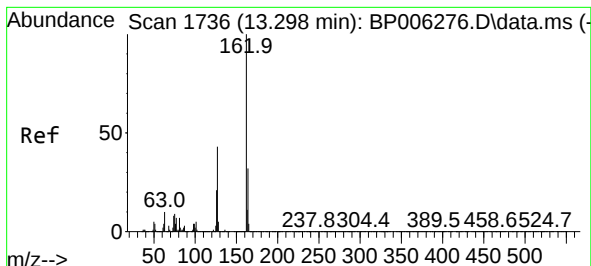
Tgt Ion:172 Resp: 2838802  
Ion Ratio Lower Upper  
172 100  
171 36.0 27.9 41.9  
170 23.5 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 4.124 ng  
RT: 13.257 min Scan# 1729  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:154 Resp: 211792  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.4 60.4  
76 15.9 0.0 30.8

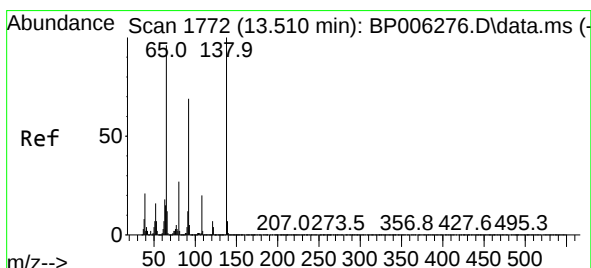
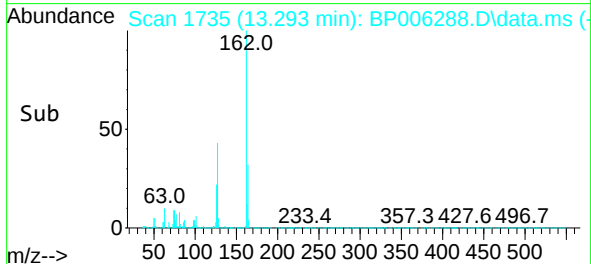
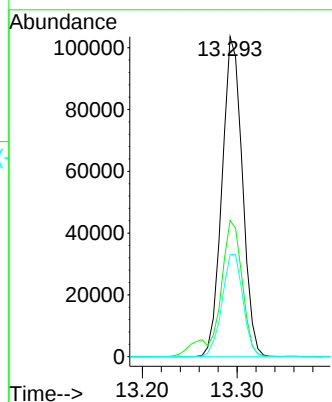
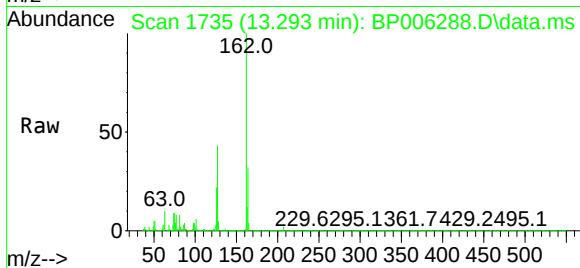




#47  
2-Chloronaphthalene  
Concen: 3.923 ng  
RT: 13.293 min Scan# 1735  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

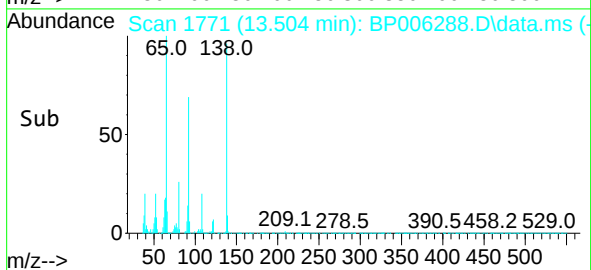
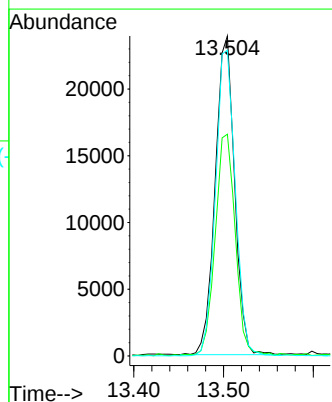
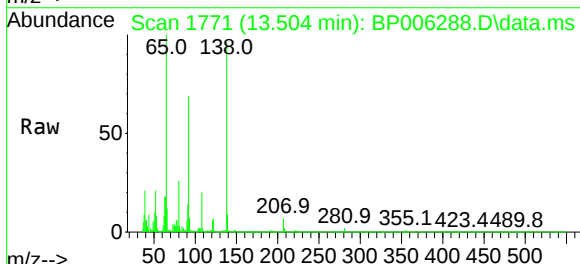
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

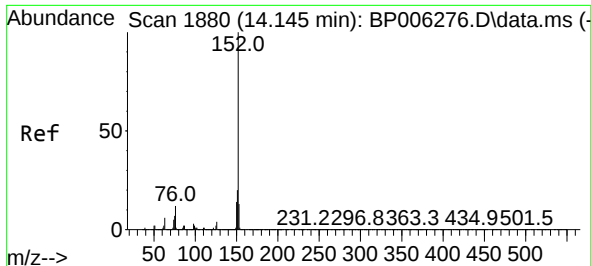
Tgt Ion:162 Resp: 154704  
Ion Ratio Lower Upper  
162 100  
127 42.6 31.4 47.0  
164 31.9 26.6 39.8



#48  
2-Nitroaniline  
Concen: 3.150 ng  
RT: 13.504 min Scan# 1771  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion: 65 Resp: 35779  
Ion Ratio Lower Upper  
65 100  
92 69.3 57.7 86.5  
138 95.6 92.1 138.1

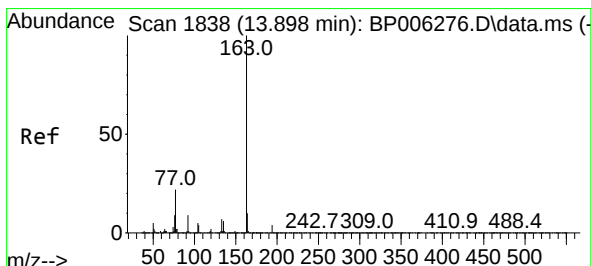
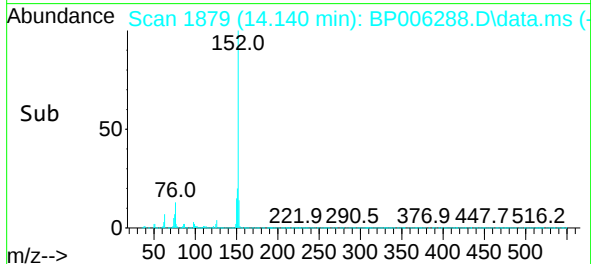
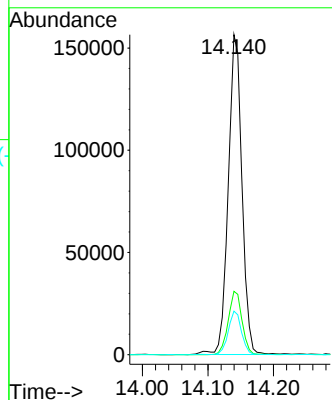
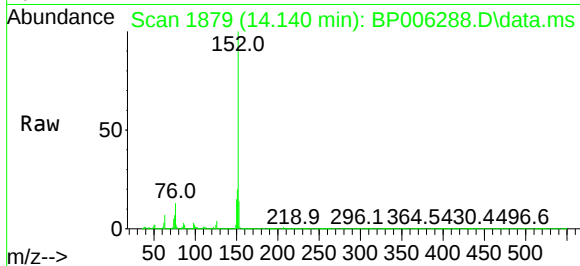




#49  
Acenaphthylene  
Concen: 3.631 ng  
RT: 14.140 min Scan# 1879  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

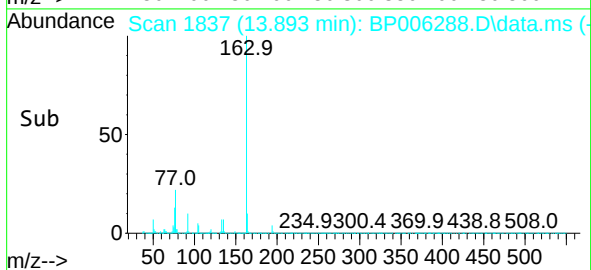
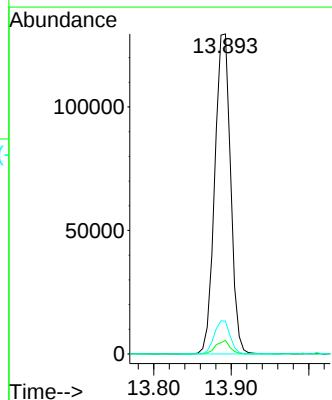
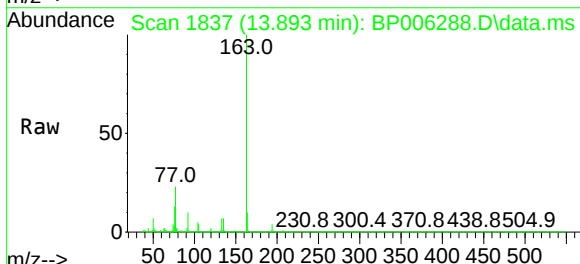
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

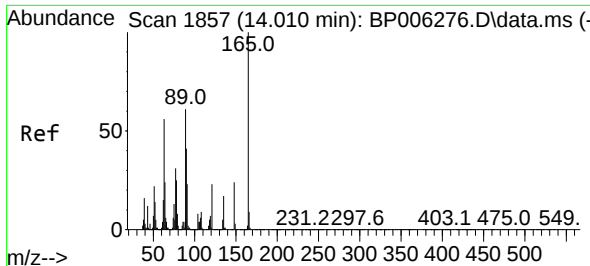
Tgt Ion:152 Resp: 226809  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.2 24.2  
153 13.6 10.6 16.0



#50  
Dimethylphthalate  
Concen: 3.818 ng  
RT: 13.893 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:163 Resp: 183690  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.2  
164 10.3 8.2 12.2

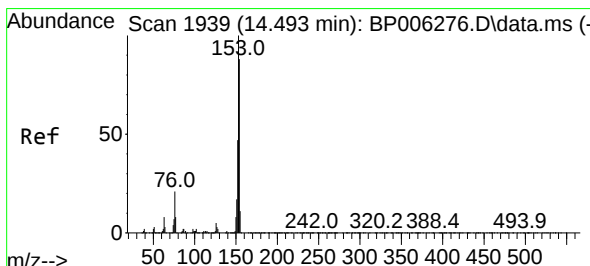
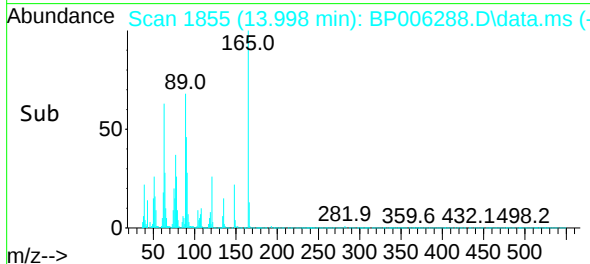
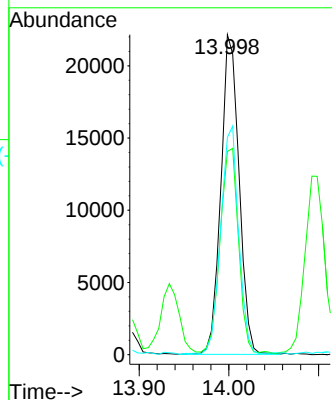
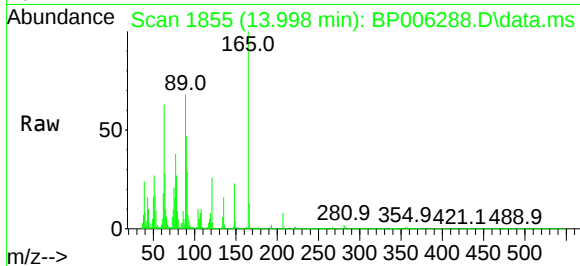




#51  
2,6-Dinitrotoluene  
Concen: 2.991 ng  
RT: 13.998 min Scan# 1855  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

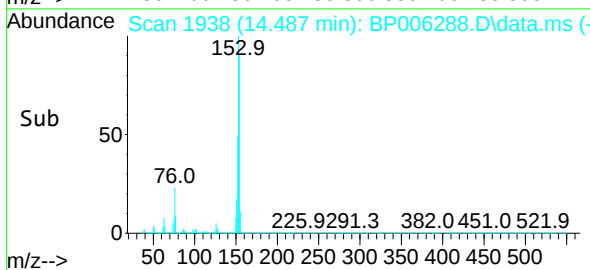
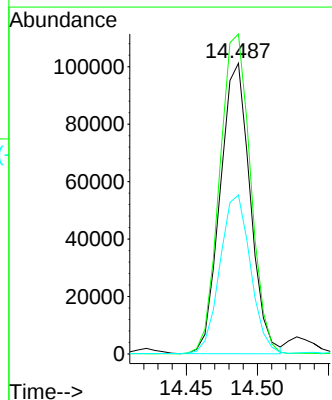
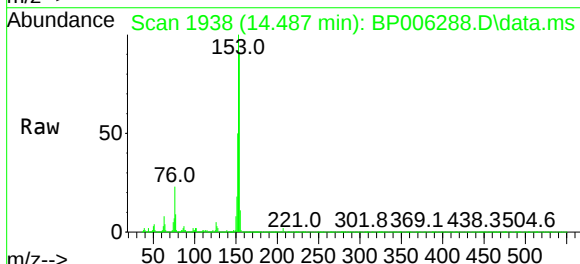
Instrument :  
BNA\_P  
ClientSampleId :  
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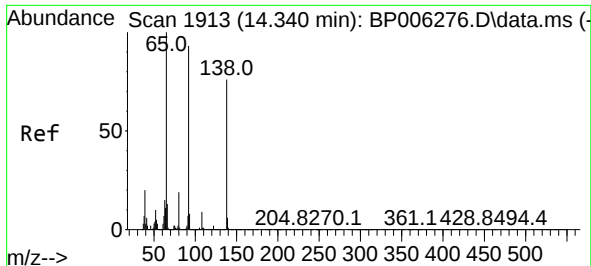
Tgt Ion:165 Resp: 31149  
Ion Ratio Lower Upper  
165 100  
63 63.5 41.3 61.9#  
89 67.9 44.8 67.2#



#52  
Acenaphthene  
Concen: 3.840 ng  
RT: 14.487 min Scan# 1938  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:154 Resp: 148290  
Ion Ratio Lower Upper  
154 100  
153 110.1 89.4 134.2  
152 54.7 43.0 64.4

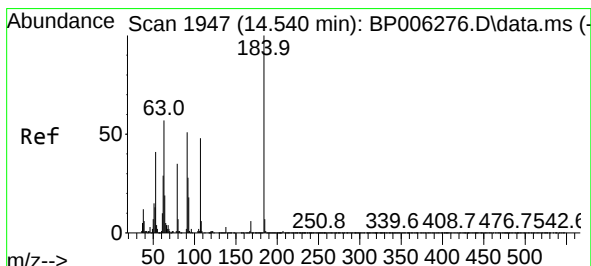
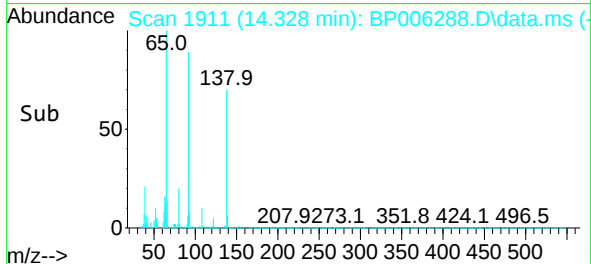
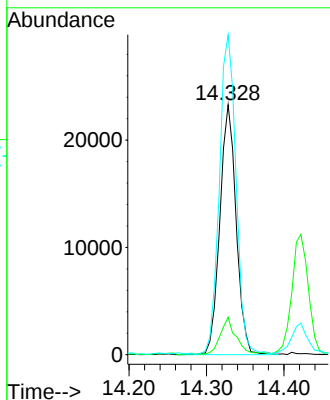
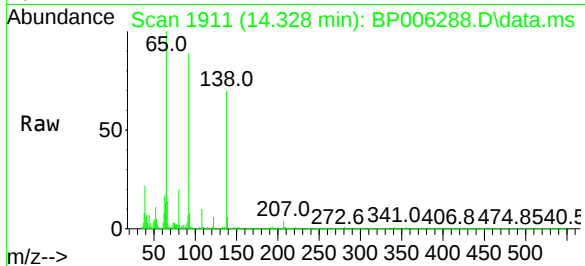




#53  
3-Nitroaniline  
Concen: 3.044 ng  
RT: 14.328 min Scan# 1911  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

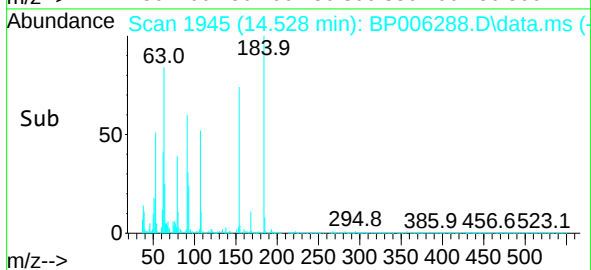
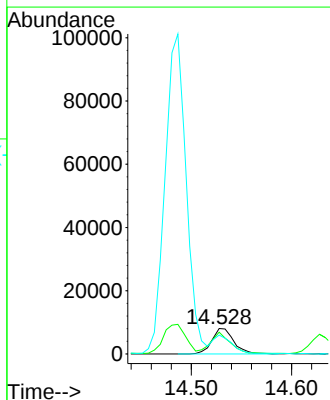
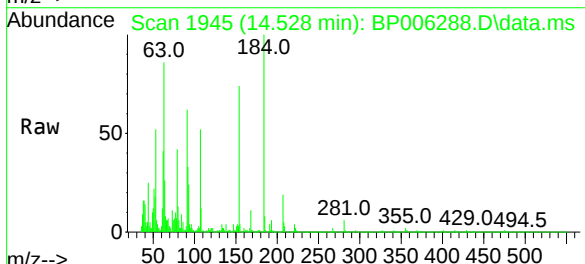
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

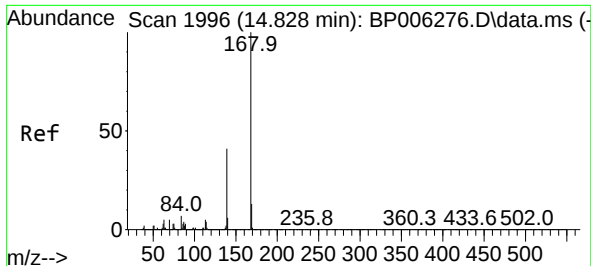
Tgt Ion:138 Resp: 34048  
Ion Ratio Lower Upper  
138 100  
108 15.0 8.4 12.6#  
92 128.1 87.8 131.8



#54  
2,4-Dinitrophenol  
Concen: 2.327 ng  
RT: 14.528 min Scan# 1945  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:184 Resp: 12214  
Ion Ratio Lower Upper  
184 100  
63 85.6 47.0 70.6#  
154 74.2 52.3 78.5

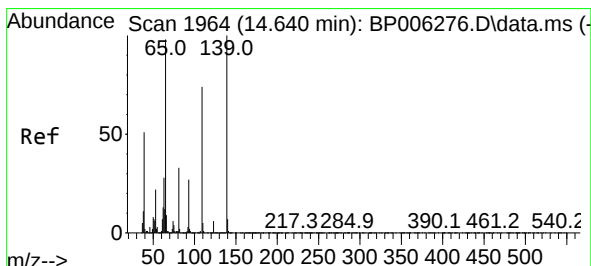
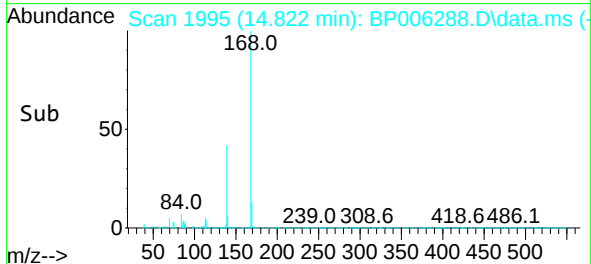
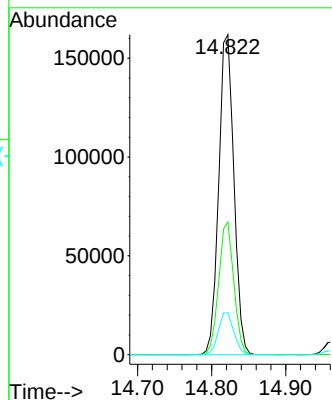
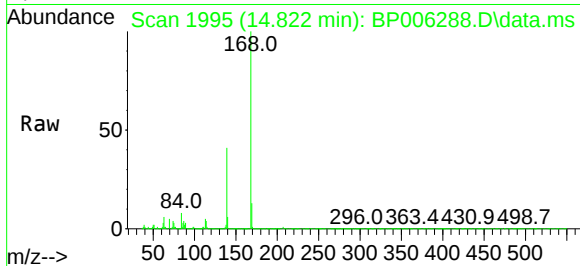




#55  
Dibenzenofuran  
Concen: 3.807 ng  
RT: 14.822 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

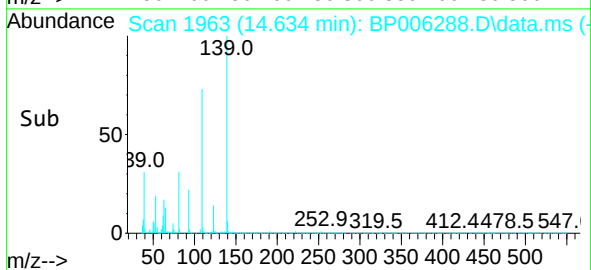
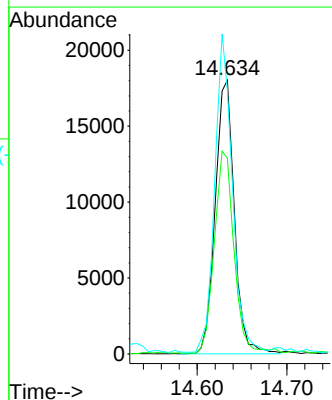
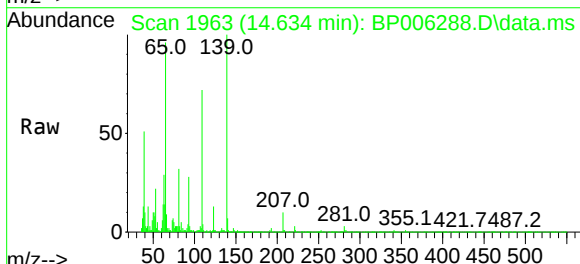
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

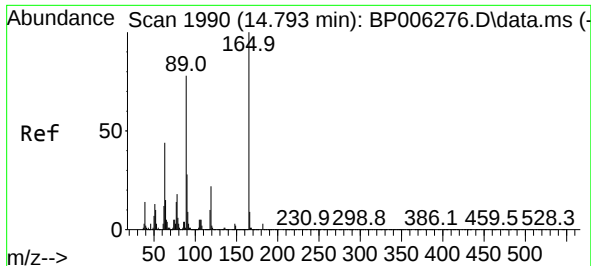
Tgt Ion:168 Resp: 230208  
Ion Ratio Lower Upper  
168 100  
139 41.4 31.0 46.6  
169 13.0 10.8 16.2



#56  
4-Nitrophenol  
Concen: 2.797 ng  
RT: 14.634 min Scan# 1963  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:139 Resp: 26614  
Ion Ratio Lower Upper  
139 100  
109 71.5 72.3 112.3#  
65 96.2 72.5 112.5

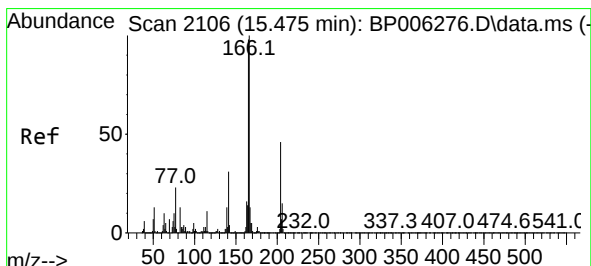
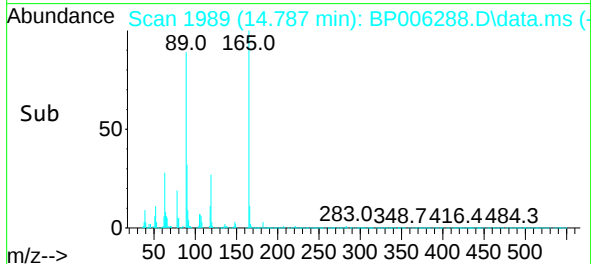
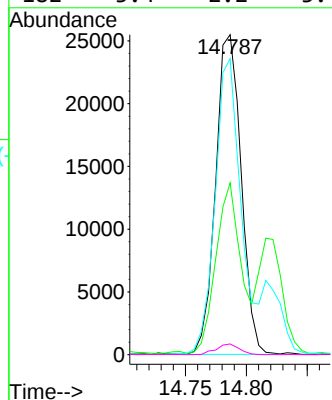
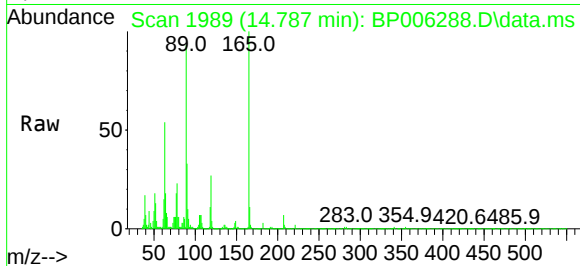




#57  
2,4-Dinitrotoluene  
Concen: 2.725 ng  
RT: 14.787 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

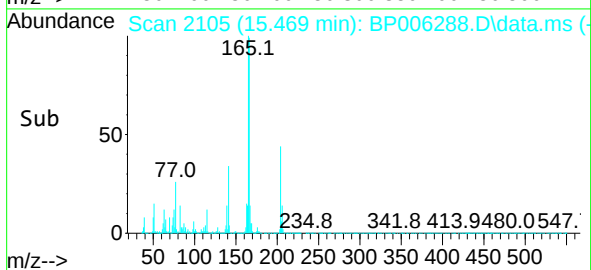
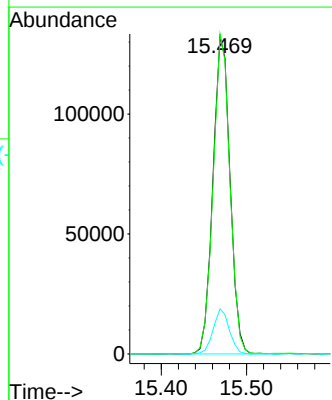
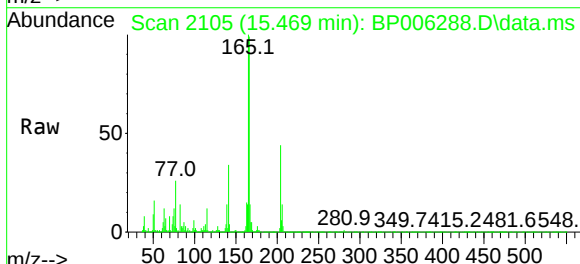
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

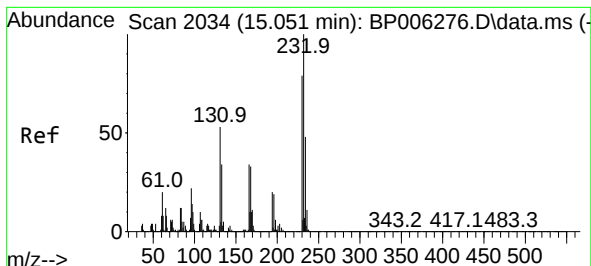
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 37093 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 53.7  | 32.3  | 48.5# |
| 89        | 92.5  | 55.9  | 83.9# |
| 182       | 3.4   | 2.2   | 3.4   |



#58  
Fluorene  
Concen: 3.818 ng  
RT: 15.469 min Scan# 2105  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 184006 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 100.9 | 78.0  | 117.0  |
| 167       | 14.2  | 10.5  | 15.7   |

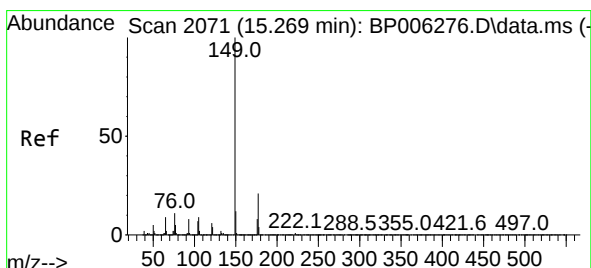
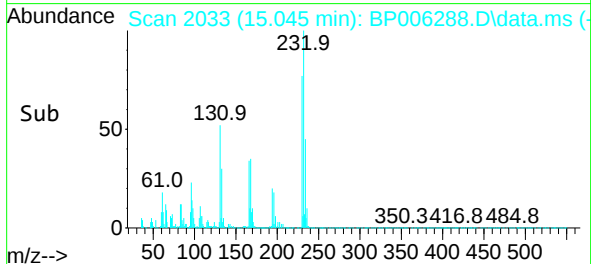
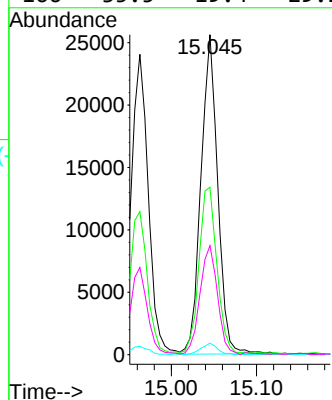
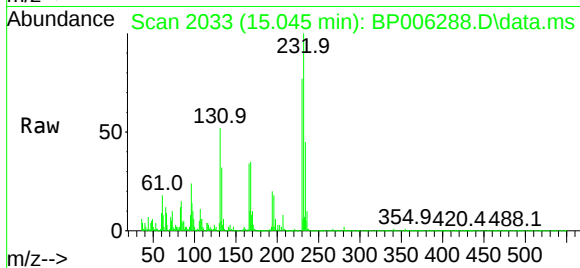




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.150 ng  
RT: 15.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

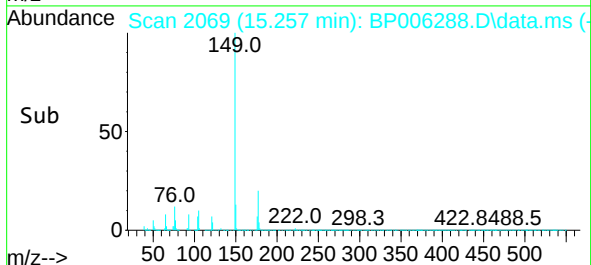
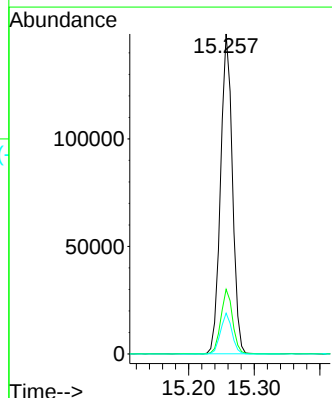
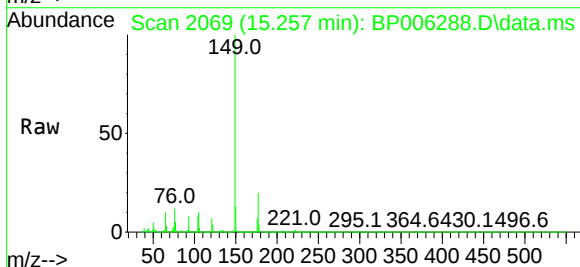
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

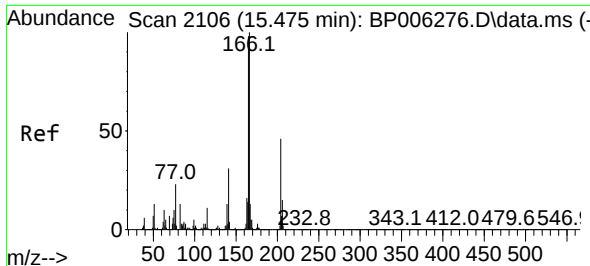
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:232 | Resp: | 34997      |
| Ion Ratio   | Lower | Upper      |
| 232         | 100   |            |
| 131         | 55.1  | 32.2 48.4# |
| 130         | 3.7   | 2.0 3.0#   |
| 166         | 35.5  | 19.4 29.2# |



#60  
Diethylphthalate  
Concen: 3.753 ng  
RT: 15.257 min Scan# 2069  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 185224    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 20.2  | 17.5 26.3 |
| 150         | 12.7  | 9.9 14.9  |

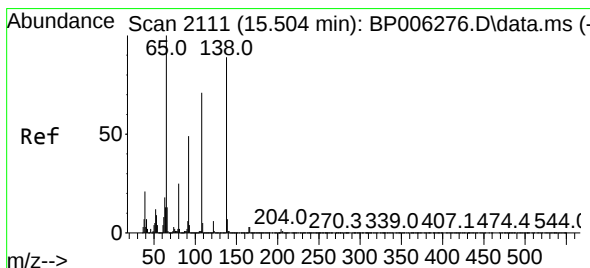
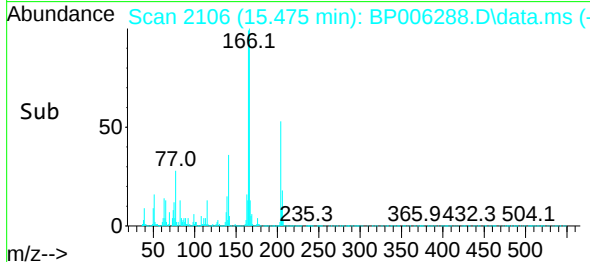
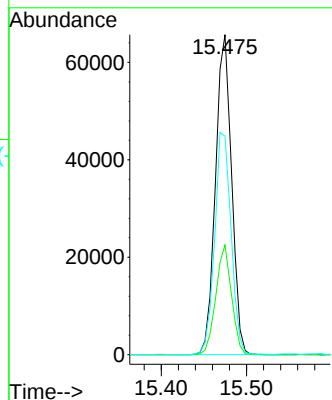
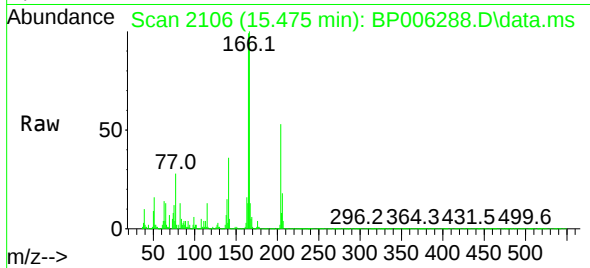




#61  
4-Chlorophenyl-phenylether  
Concen: 3.819 ng  
RT: 15.475 min Scan# 2106  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

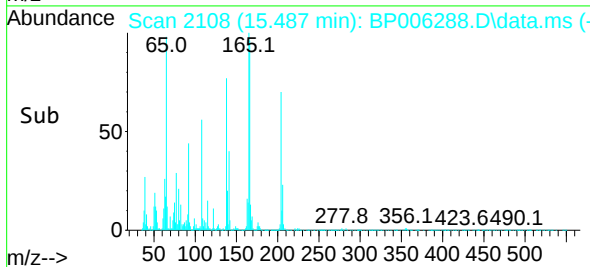
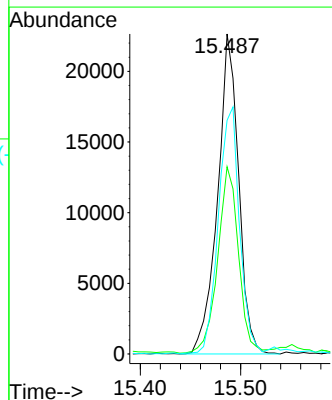
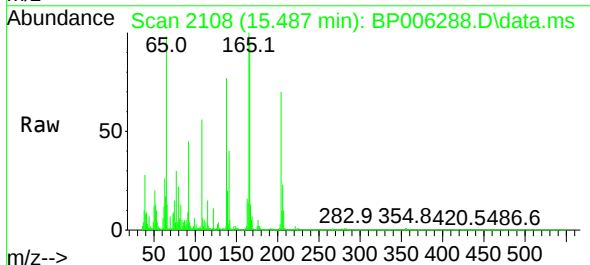
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

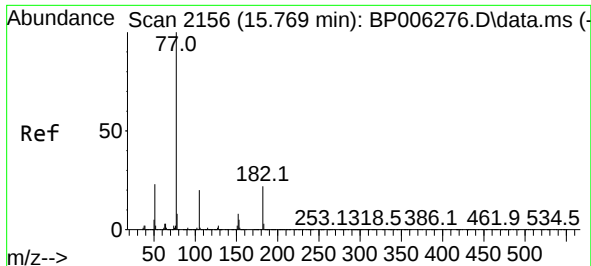
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 204   | Resp: | 86235 |
| Ion Ratio | Lower | Upper |       |
| 204       | 100   |       |       |
| 206       | 34.3  | 26.6  | 40.0  |
| 141       | 68.3  | 48.6  | 73.0  |



#62  
4-Nitroaniline  
Concen: 2.844 ng  
RT: 15.487 min Scan# 2108  
Delta R.T. -0.018 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 32969 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 58.5  | 31.2  | 71.2  |
| 108       | 73.0  | 78.6  | 118.6 |

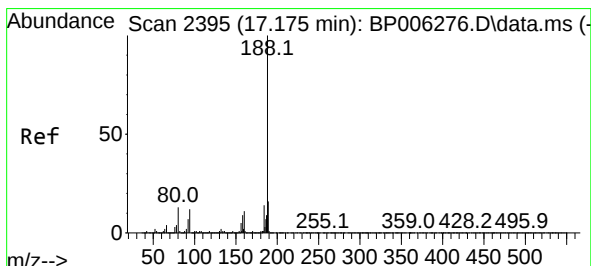
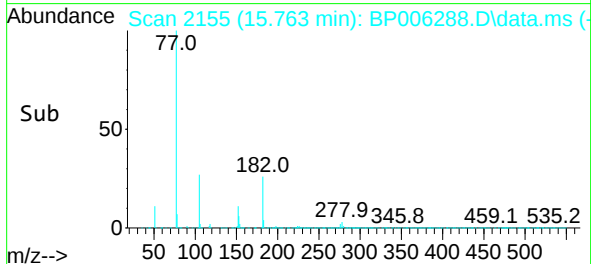
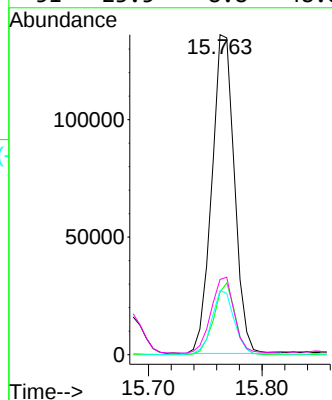
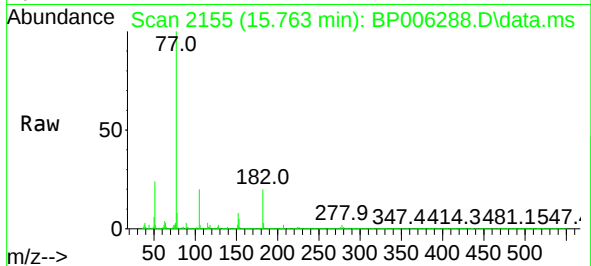




#63  
Azobenzene  
Concen: 3.551 ng  
RT: 15.763 min Scan# 2155  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

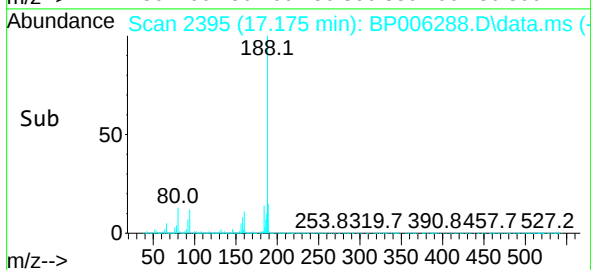
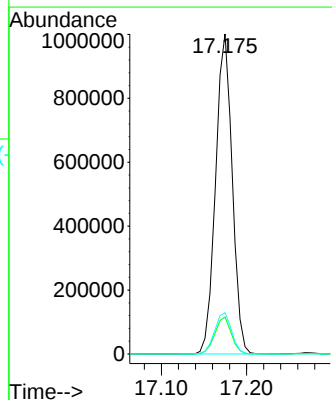
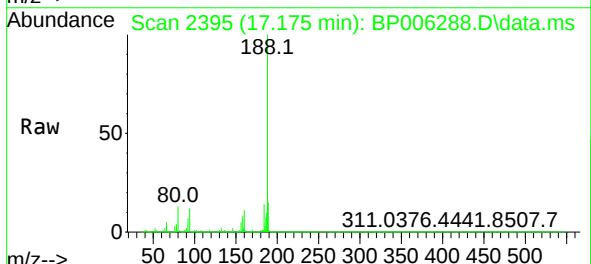
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

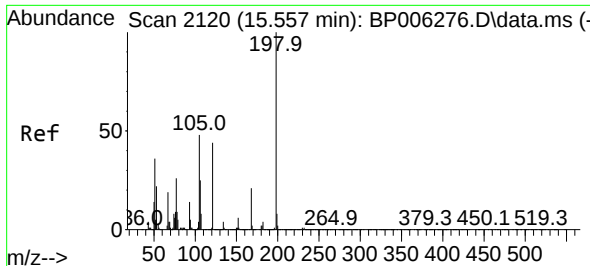
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 187093 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 19.6    | 6.0 46.0     |
| 105 20.1    | 0.0 38.8     |
| 51 23.5     | 8.8 48.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.175 min Scan# 2395  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|              |               |
|--------------|---------------|
| Tgt Ion: 188 | Resp: 1359542 |
| Ion Ratio    | Lower Upper   |
| 188 100      |               |
| 94 11.5      | 5.6 8.4#      |
| 80 12.9      | 6.3 9.5#      |

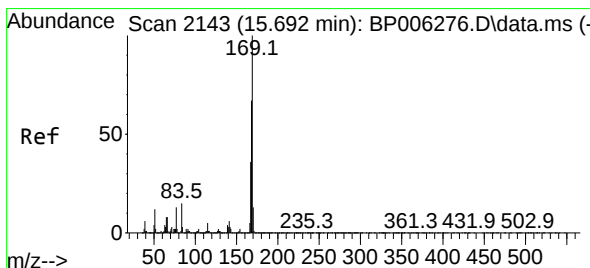
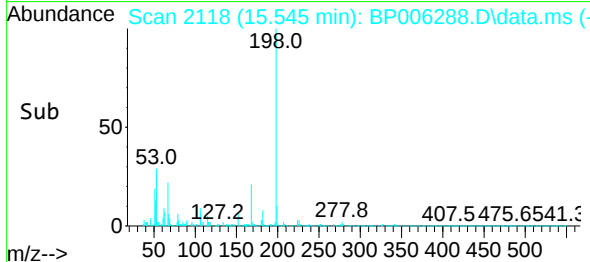
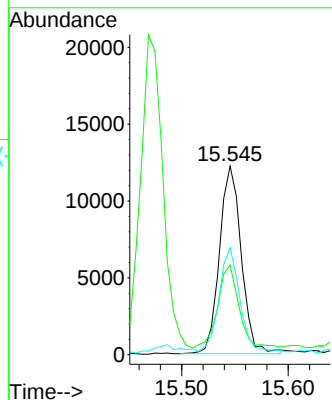
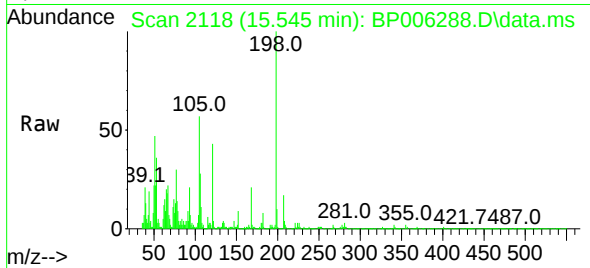




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.290 ng  
RT: 15.545 min Scan# 2118  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

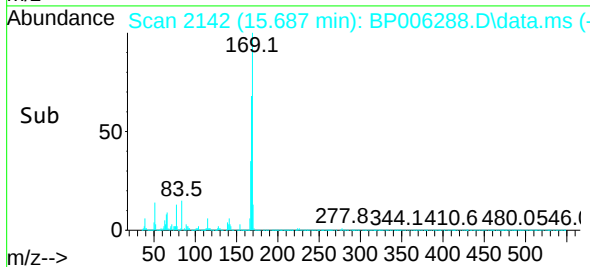
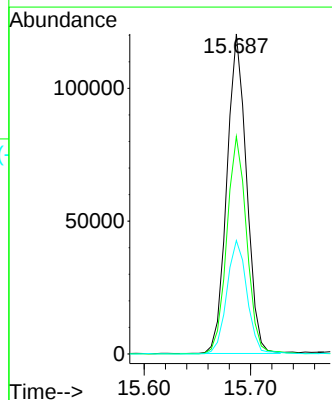
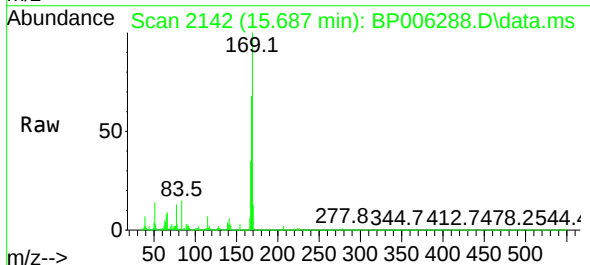
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

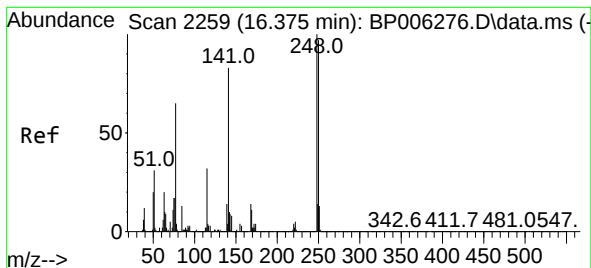
Tgt Ion:198 Resp: 17316  
Ion Ratio Lower Upper  
198 100  
51 47.5 14.0 54.0  
105 56.7 19.5 59.5



#66  
n-Nitrosodiphenylamine  
Concen: 3.652 ng  
RT: 15.687 min Scan# 2142  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:169 Resp: 153875  
Ion Ratio Lower Upper  
169 100  
168 68.0 54.4 81.6  
167 35.5 29.0 43.6

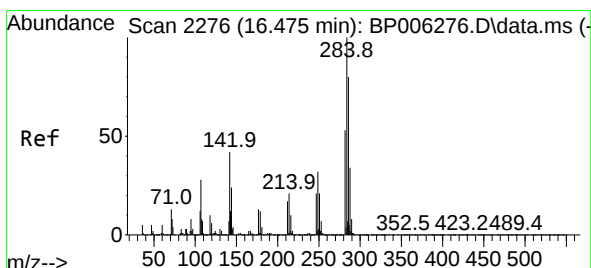
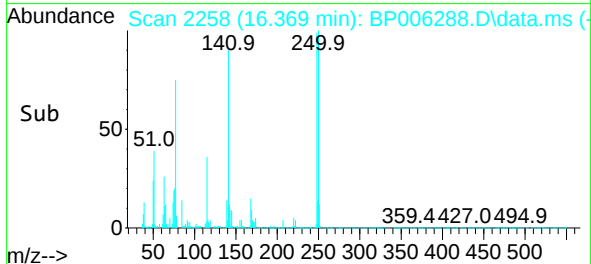
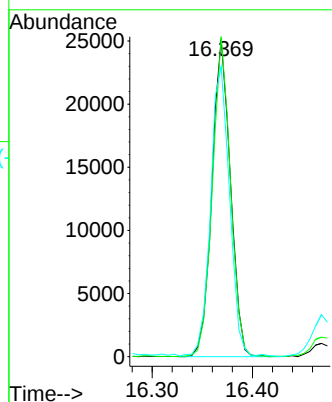
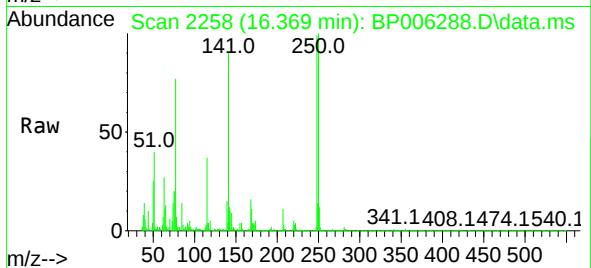




#67  
4-Bromophenyl-phenylether  
Concen: 2.682 ng  
RT: 16.369 min Scan# 2258  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

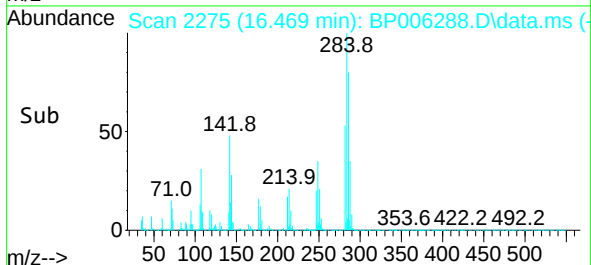
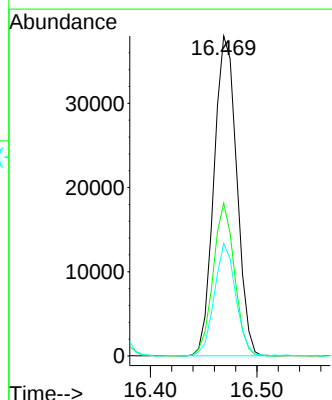
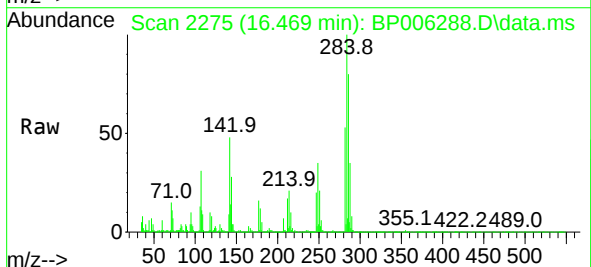
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

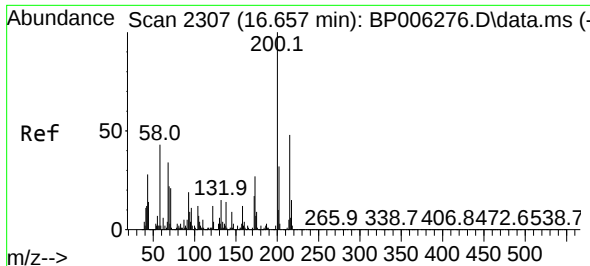
Tgt Ion:248 Resp: 32209  
Ion Ratio Lower Upper  
248 100  
250 100.8 79.8 119.8  
141 91.4 57.8 86.6#



#68  
Hexachlorobenzene  
Concen: 3.701 ng  
RT: 16.469 min Scan# 2275  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:284 Resp: 56229  
Ion Ratio Lower Upper  
284 100  
142 47.7 26.9 40.3#  
249 35.2 24.5 36.7

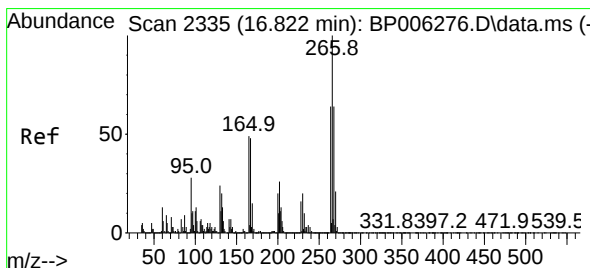
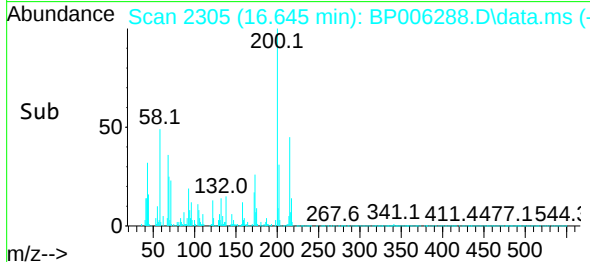
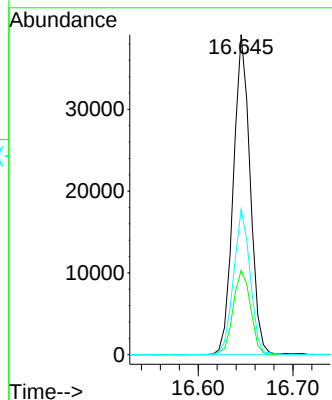
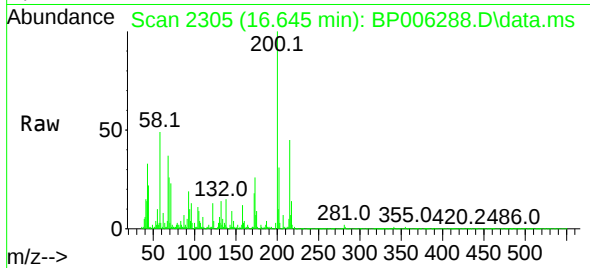




#69  
Atrazine  
Concen: 3.621 ng  
RT: 16.645 min Scan# 2305  
Delta R.T. -0.012 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

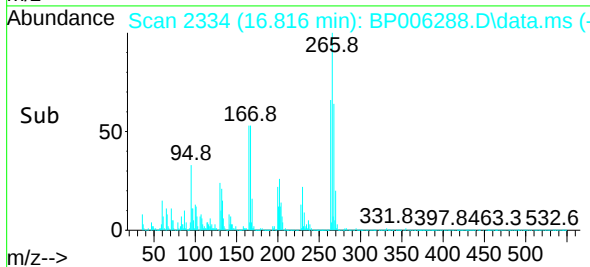
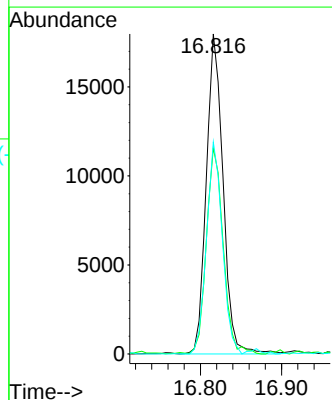
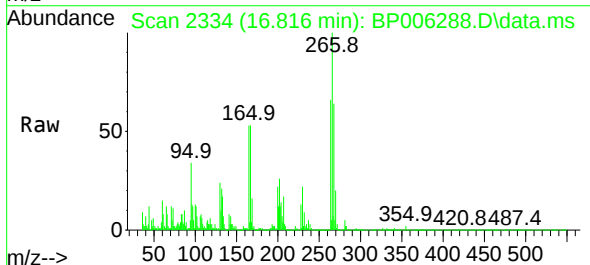
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BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

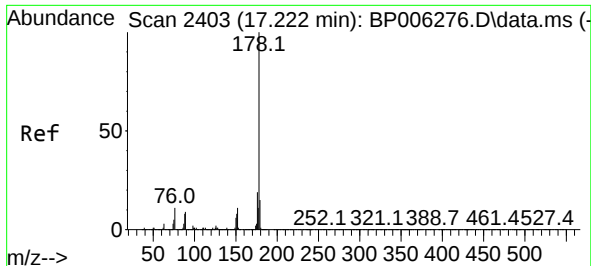
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 48165 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 26.4  | 4.1   | 44.1  |
| 215       | 45.4  | 27.7  | 67.7  |



#70  
Pentachlorophenol  
Concen: 2.825 ng  
RT: 16.816 min Scan# 2334  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 25746 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 64.4  | 51.6  | 77.4  |
| 264       | 66.2  | 50.3  | 75.5  |

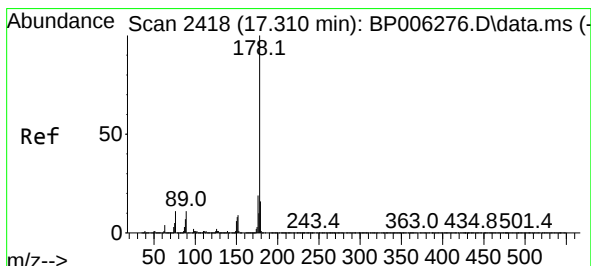
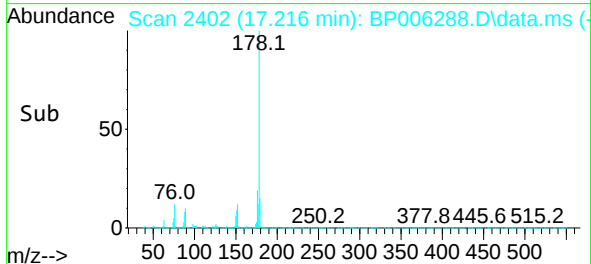
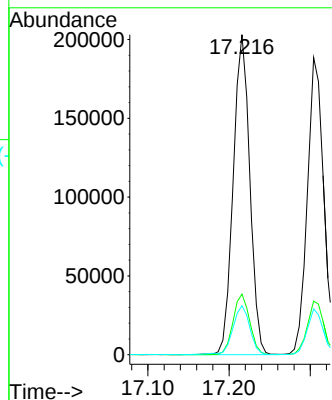
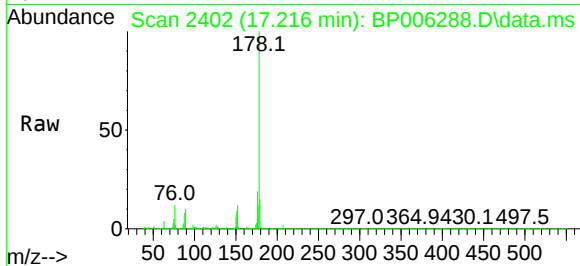




#71  
Phenanthrene  
Concen: 3.834 ng  
RT: 17.216 min Scan# 2402  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

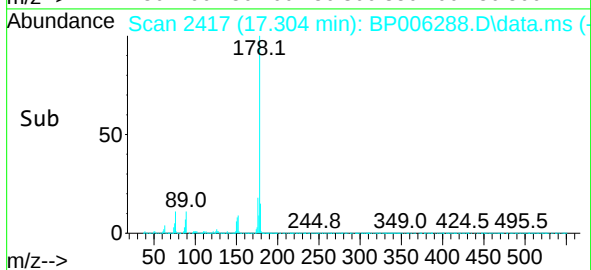
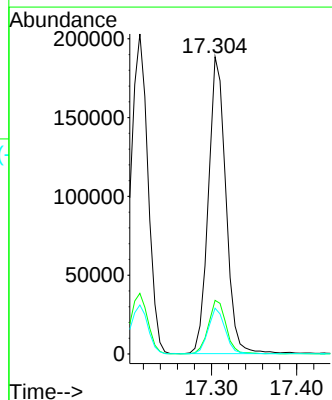
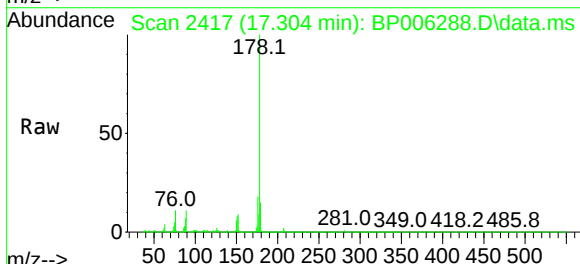
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

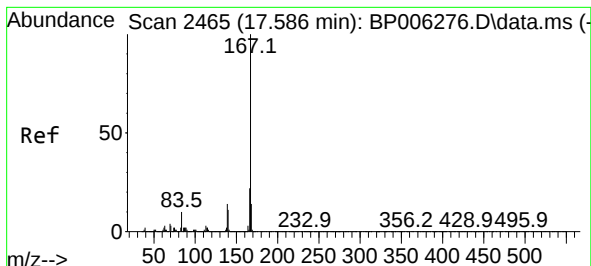
Tgt Ion:178 Resp: 287587  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.1 22.7  
179 15.3 12.4 18.6



#72  
Anthracene  
Concen: 3.695 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:178 Resp: 268049  
Ion Ratio Lower Upper  
178 100  
176 18.0 14.9 22.3  
179 15.4 12.2 18.2





#73

Carbazole

Concen: 3.440 ng

RT: 17.581 min Scan# 2464

Delta R.T. -0.006 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

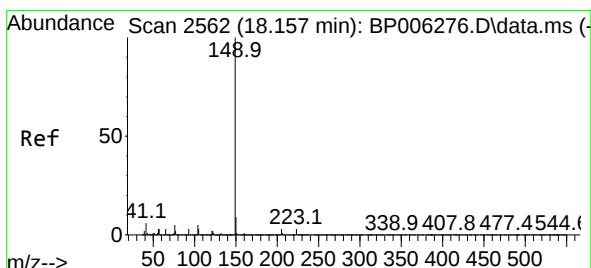
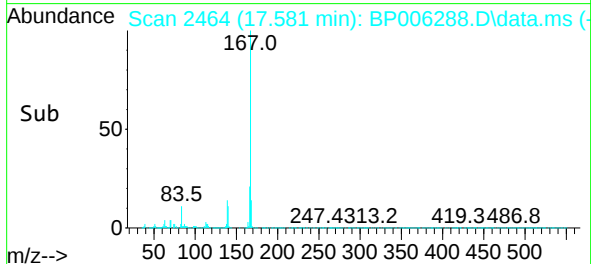
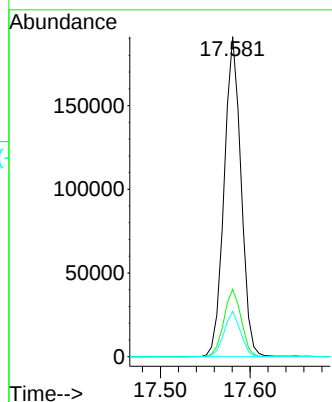
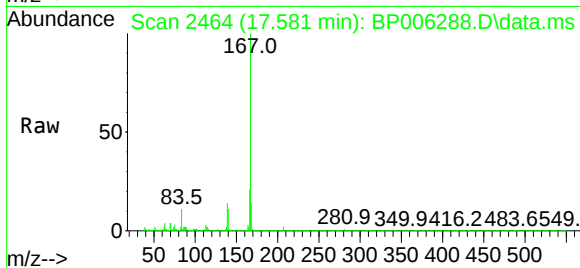
Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT3-2021

|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 249666 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 21.1    | 17.1 25.7    |
| 139 14.2    | 10.7 16.1    |



#74

Di-n-butylphthalate

Concen: 3.295 ng

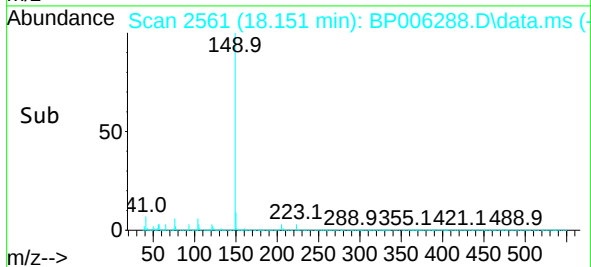
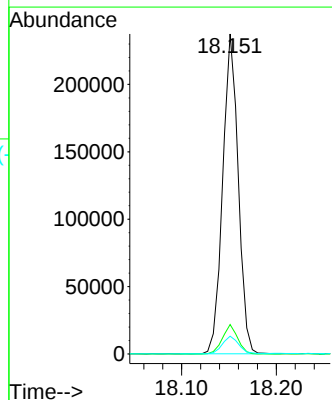
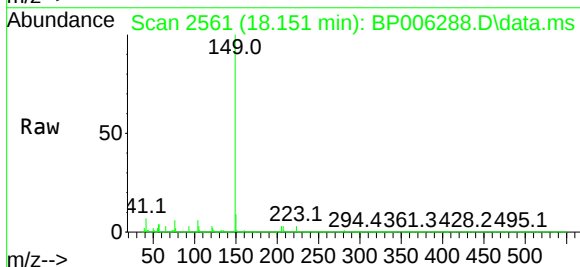
RT: 18.151 min Scan# 2561

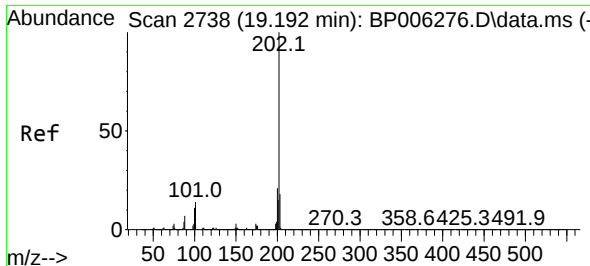
Delta R.T. -0.006 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 270635 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 150 9.2     | 7.3 10.9     |
| 104 5.6     | 4.5 6.7      |

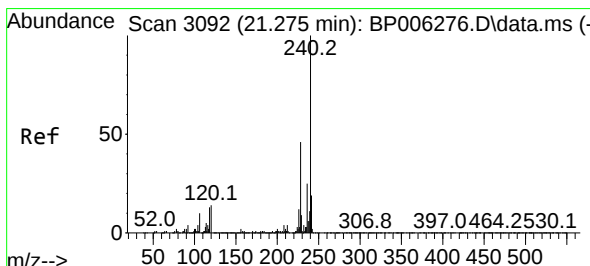
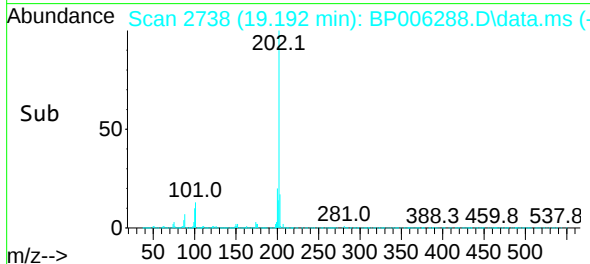
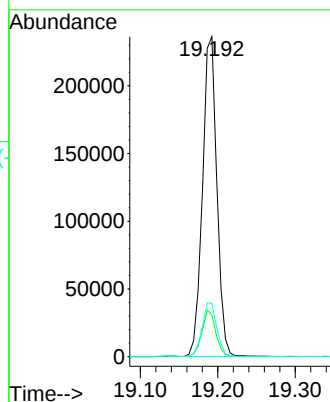
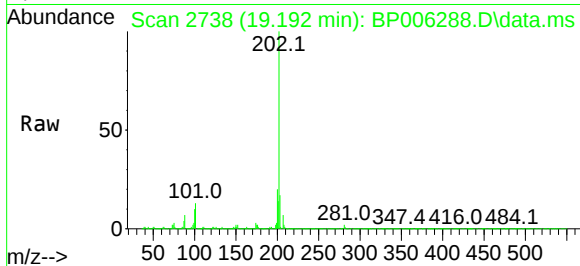




#75  
Fluoranthene  
Concen: 3.621 ng  
RT: 19.192 min Scan# 2738  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

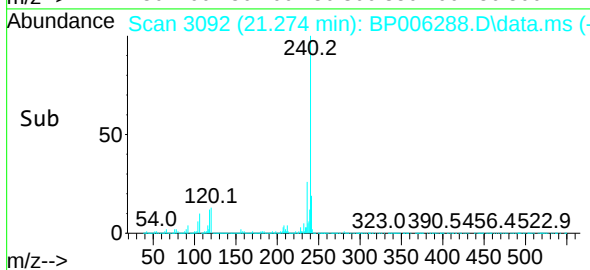
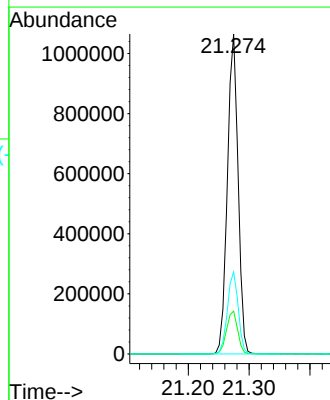
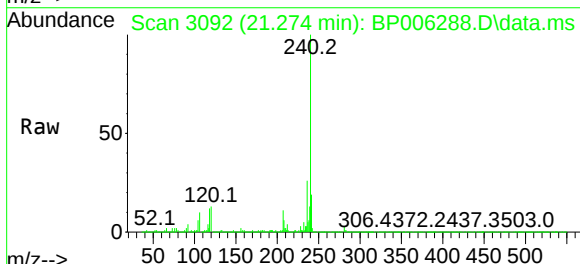
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

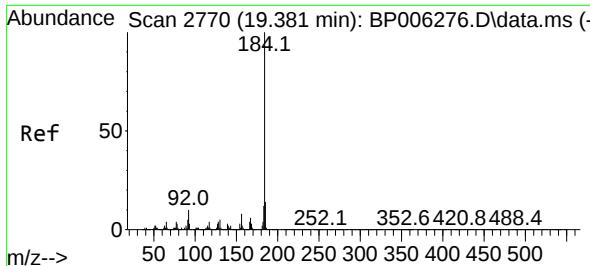
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 303958 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 13.0  | 0.0   | 27.6   |
| 203      | 16.6  | 0.0   | 37.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.274 min Scan# 3092  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 240   | Resp: | 1300479 |
| Ion      | Ratio | Lower | Upper   |
| 240      | 100   |       |         |
| 120      | 13.4  | 6.5   | 9.7#    |
| 236      | 25.6  | 20.6  | 31.0    |

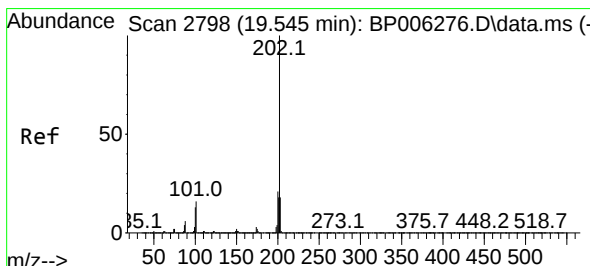
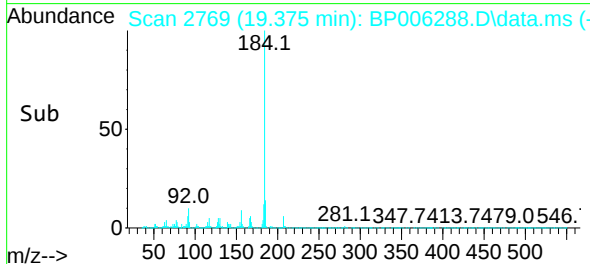
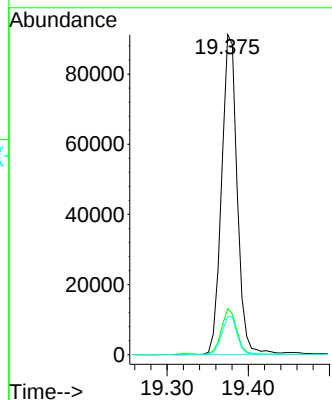
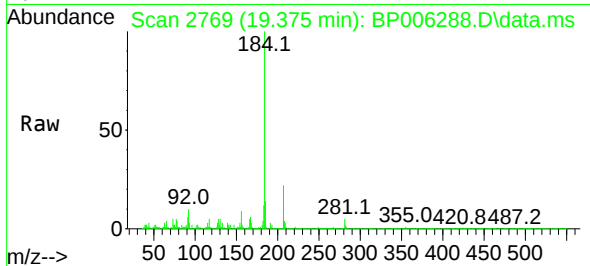




#77  
Benzidine  
Concen: 3.603 ng  
RT: 19.375 min Scan# 2769  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

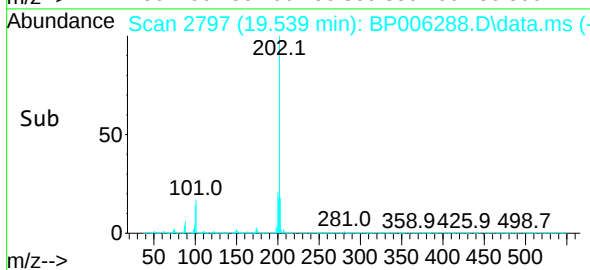
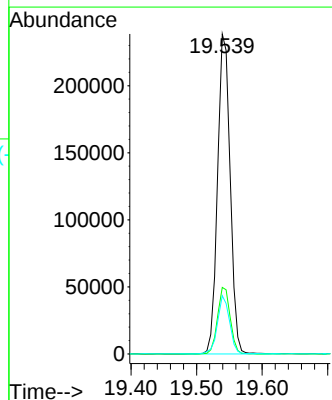
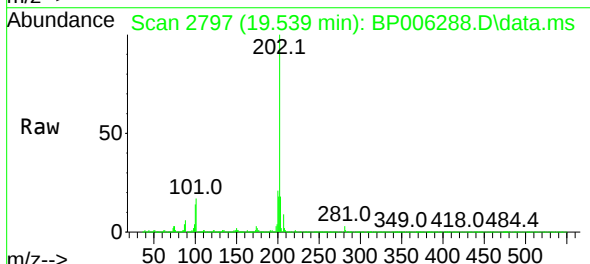
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

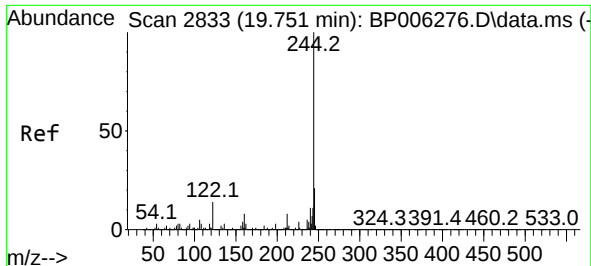
Tgt Ion:184 Resp: 122311  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.0 16.4  
183 11.9 9.5 14.3



#78  
Pyrene  
Concen: 3.711 ng  
RT: 19.539 min Scan# 2797  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:202 Resp: 317477  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.3 24.5  
203 18.2 14.2 21.2

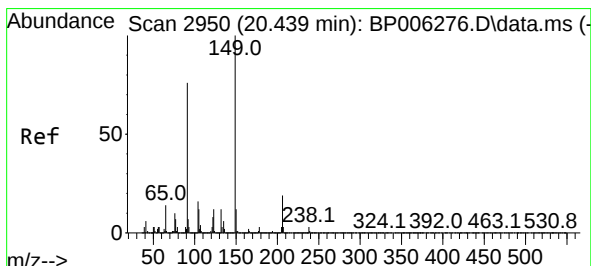
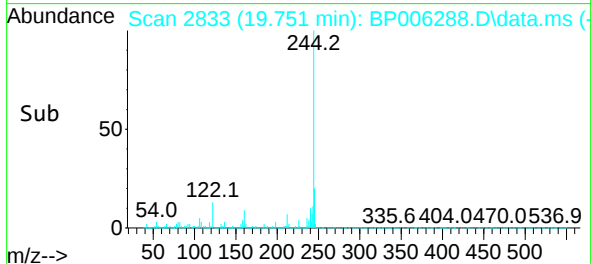
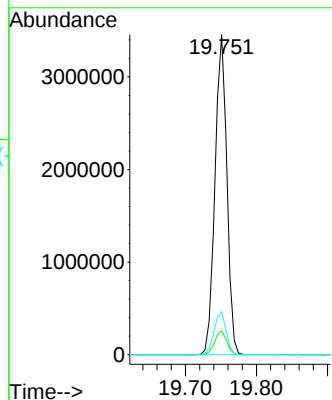
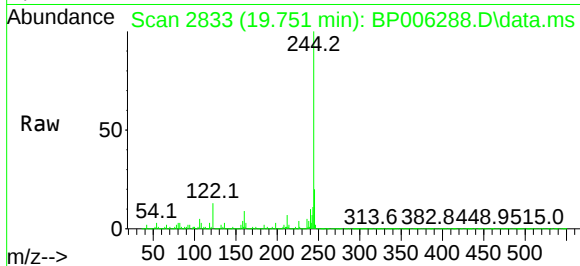




#79  
Terphenyl-d14  
Concen: 62.538 ng  
RT: 19.751 min Scan# 2833  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

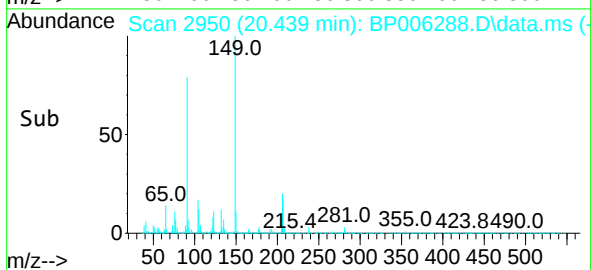
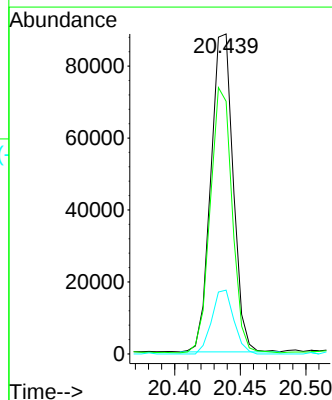
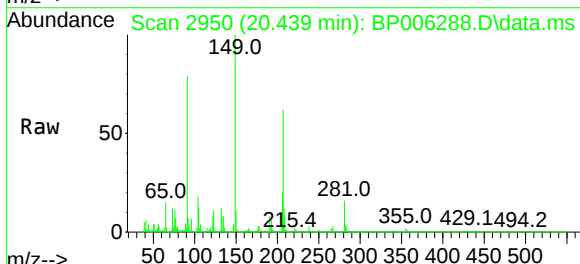
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

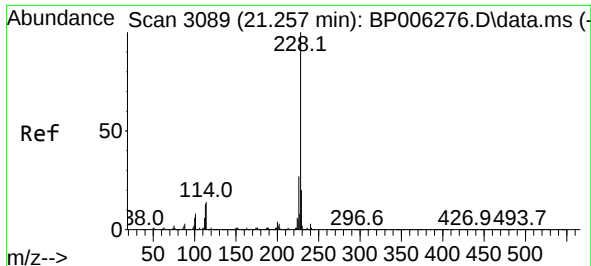
Tgt Ion:244 Resp: 4019610  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 13.4 7.1 10.7#



#80  
Butylbenzylphthalate  
Concen: 2.893 ng  
RT: 20.439 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:149 Resp: 104713  
Ion Ratio Lower Upper  
149 100  
91 79.0 54.6 81.8  
206 19.9 16.7 25.1

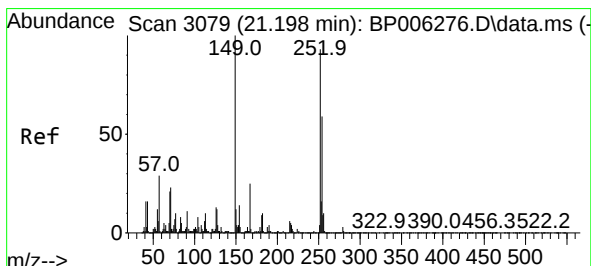
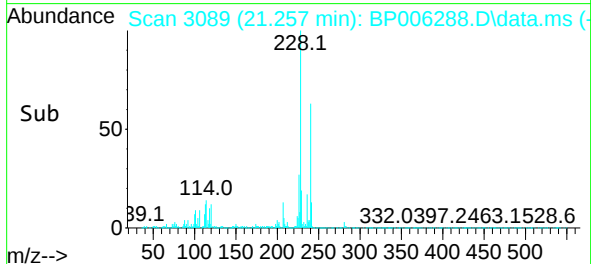
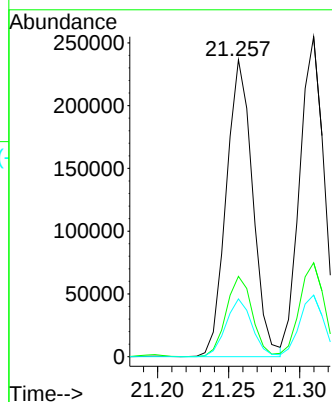
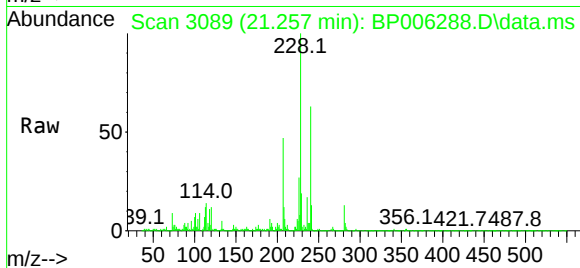




#81  
Benzo(a)anthracene  
Concen: 3.675 ng  
RT: 21.257 min Scan# 3089  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

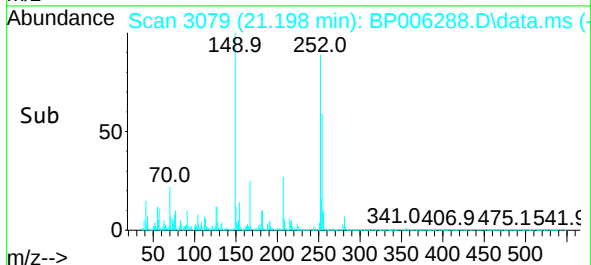
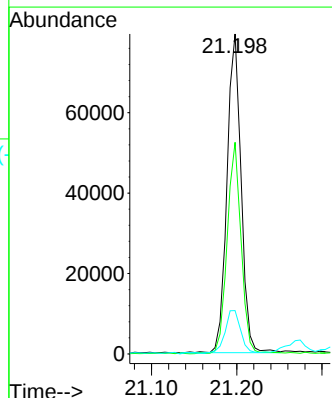
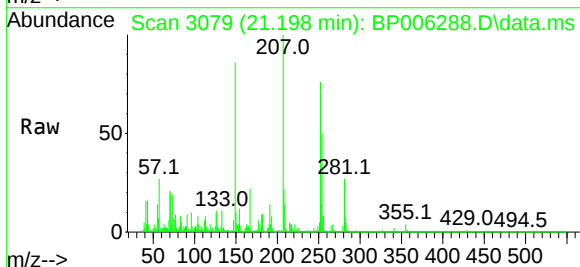
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

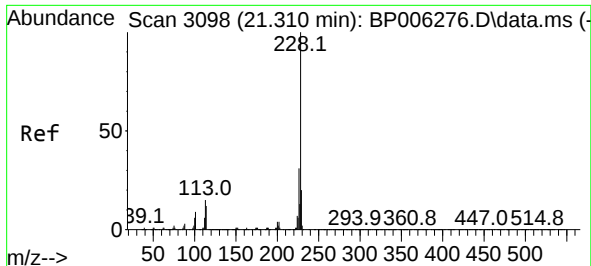
Tgt Ion:228 Resp: 306837  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.6 32.4  
229 19.5 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 4.141 ng  
RT: 21.198 min Scan# 3079  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:252 Resp: 91528  
Ion Ratio Lower Upper  
252 100  
254 66.1 50.6 76.0  
126 13.5 7.0 10.6#

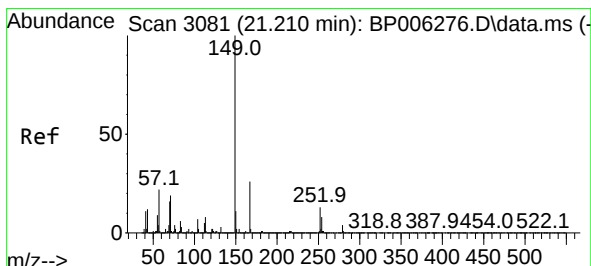
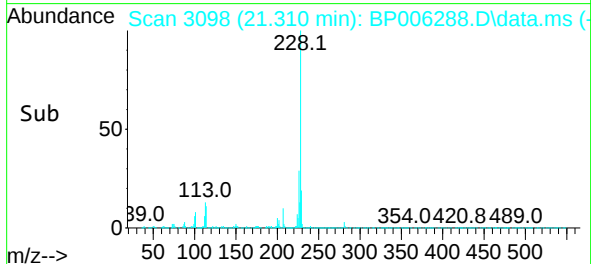
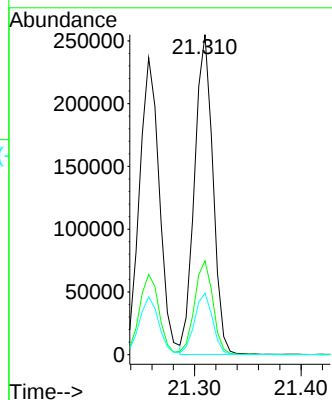
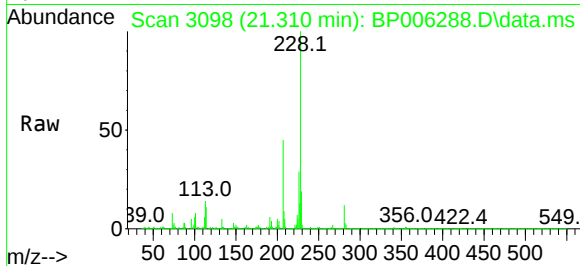




#83  
Chrysene  
Concen: 3.777 ng  
RT: 21.310 min Scan# 3098  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

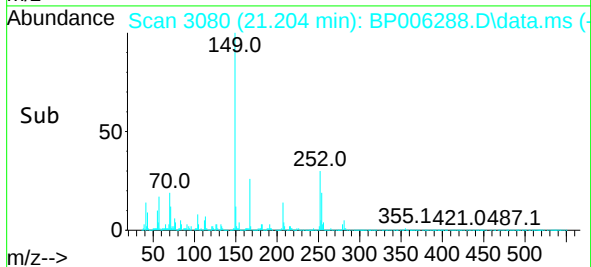
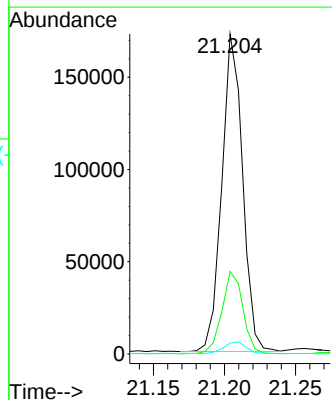
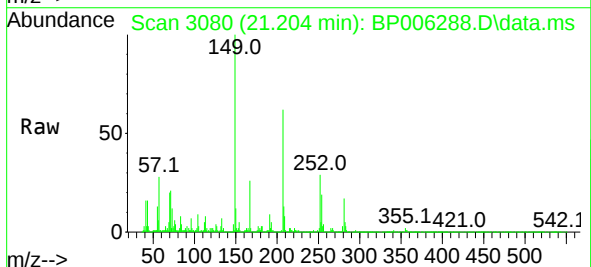
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

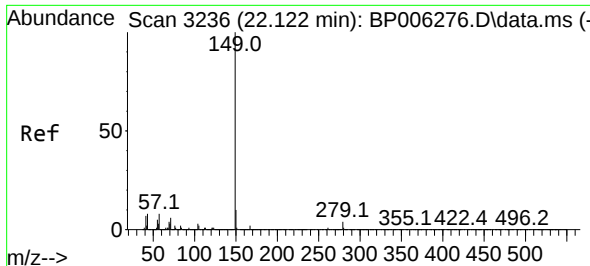
Tgt Ion:228 Resp: 305011  
Ion Ratio Lower Upper  
228 100  
226 29.4 23.8 35.6  
229 19.3 15.4 23.2



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.206 ng  
RT: 21.204 min Scan# 3080  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:149 Resp: 174848  
Ion Ratio Lower Upper  
149 100  
167 25.8 21.9 32.9  
279 3.4 4.3 6.5#

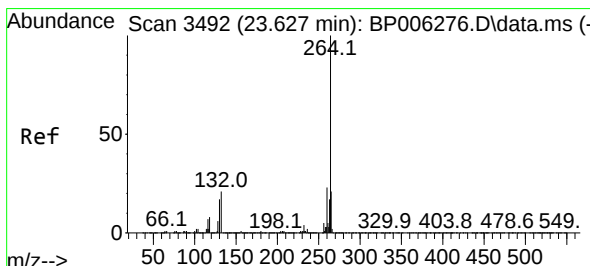
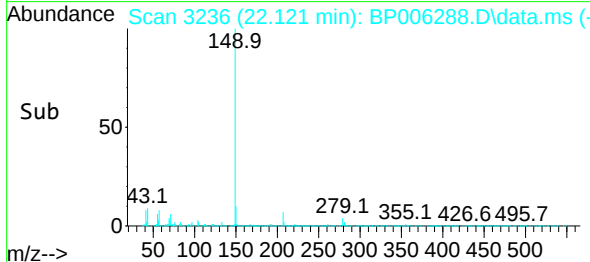
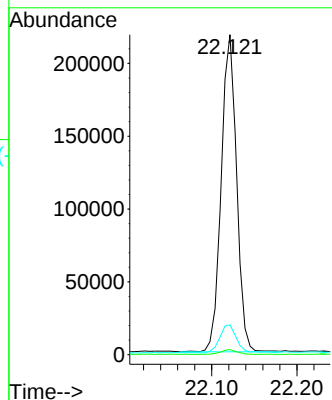
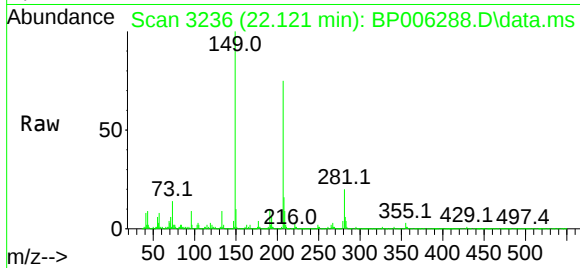




#85  
Di-n-octyl phthalate  
Concen: 3.018 ng  
RT: 22.121 min Scan# 3236  
Delta R.T. -0.000 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

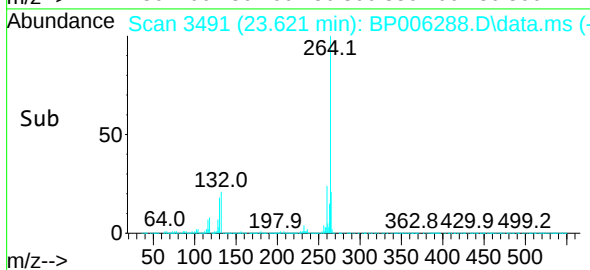
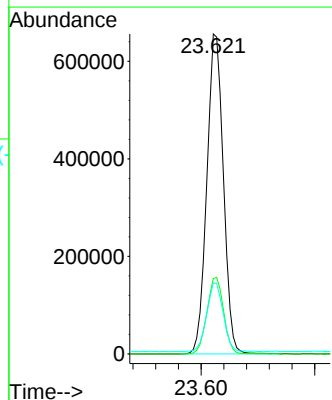
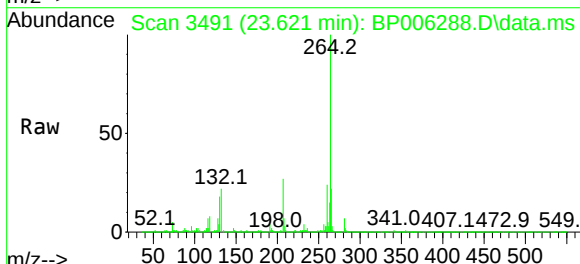
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

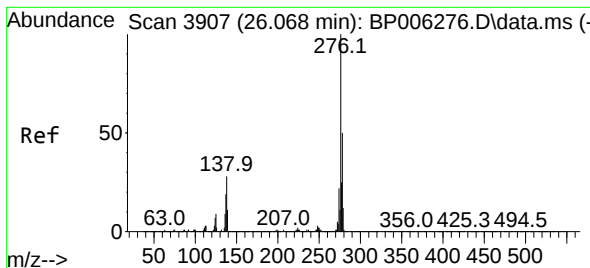
Tgt Ion:149 Resp: 273730  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 9.5 5.6 8.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.621 min Scan# 3491  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:264 Resp: 1323302  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.6 28.0  
265 22.2 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.658 ng

RT: 26.051 min Scan# 3904

Delta R.T. -0.018 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

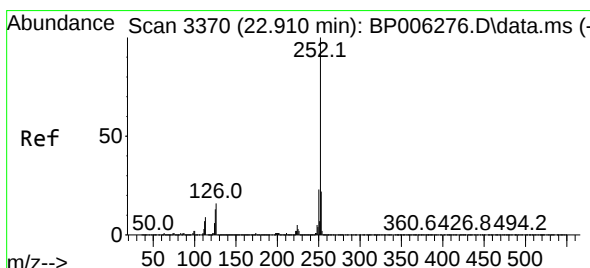
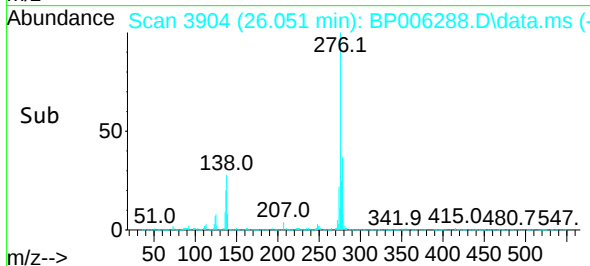
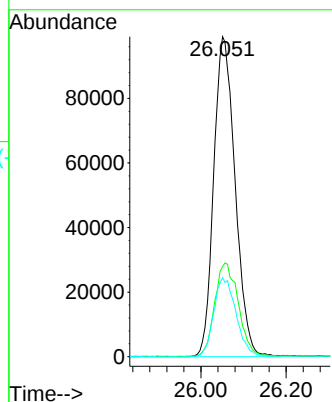
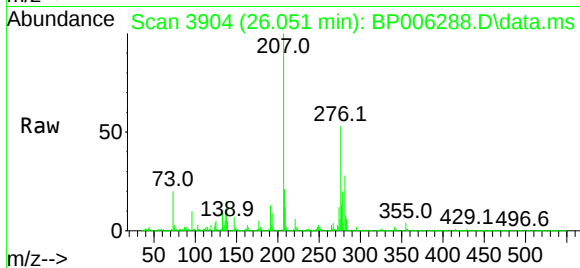
Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT3-2021

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 345995 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 32.0  | 15.3  | 22.9#  |
| 277       | 25.6  | 20.4  | 30.6   |



#88

Benzo(b)fluoranthene

Concen: 3.729 ng

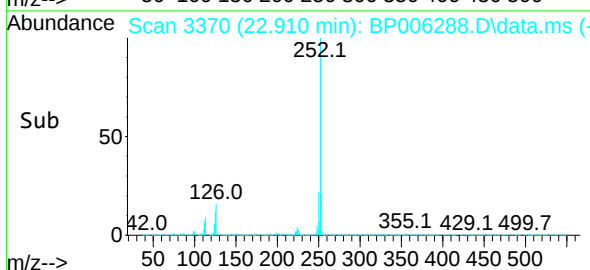
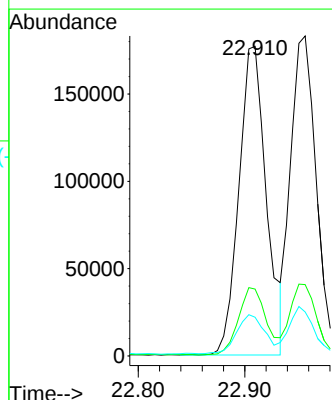
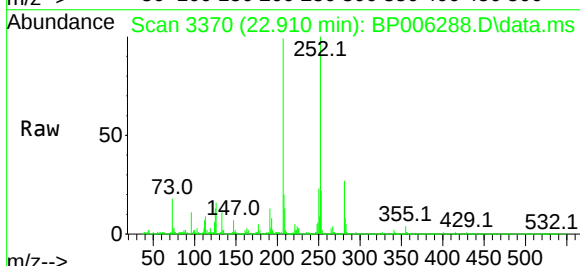
RT: 22.910 min Scan# 3370

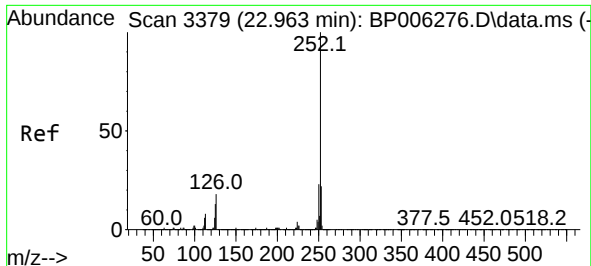
Delta R.T. -0.000 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 317207 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.6  | 17.5  | 26.3   |
| 125       | 12.5  | 6.2   | 9.4#   |

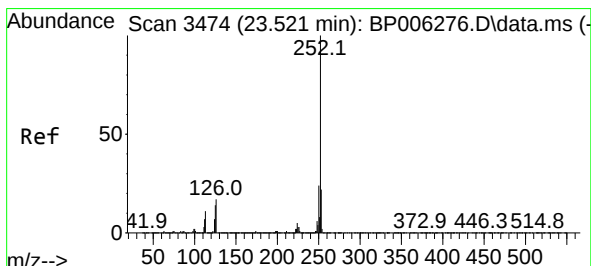
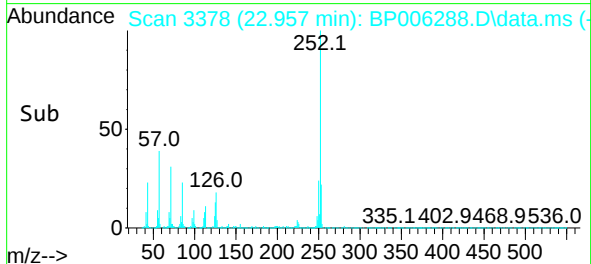
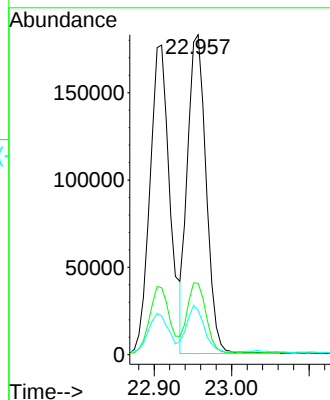
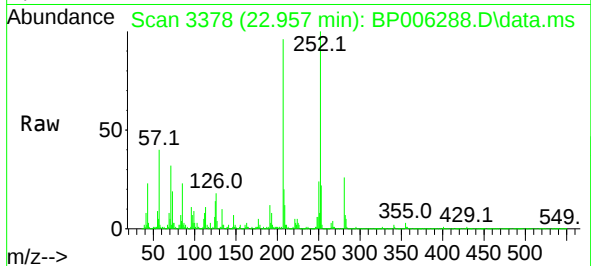




#89  
Benzo(k)fluoranthene  
Concen: 3.782 ng  
RT: 22.957 min Scan# 3378  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

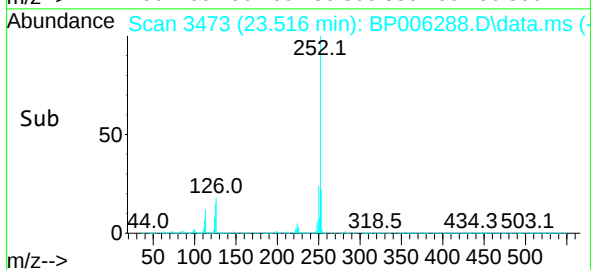
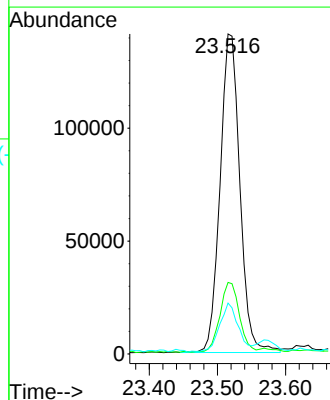
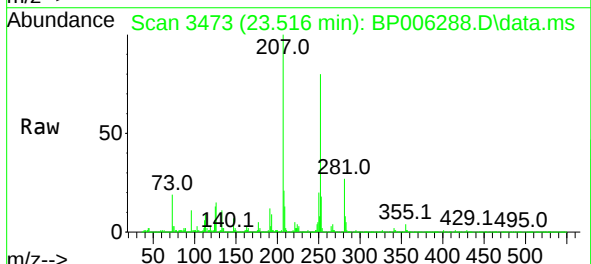
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-SOIL-03-QT3-2021

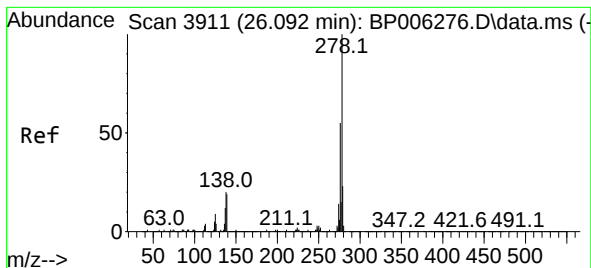
Tgt Ion:252 Resp: 304587  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.6 26.4  
125 13.8 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 3.744 ng  
RT: 23.516 min Scan# 3473  
Delta R.T. -0.006 min  
Lab File: BP006288.D  
Acq: 23 Jul 2021 15:28

Tgt Ion:252 Resp: 285342  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.9 26.9  
125 15.9 6.5 9.7#





#91

Dibenzo(a,h)anthracene

Concen: 3.690 ng

RT: 26.080 min Scan# 3909

Delta R.T. -0.012 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

Instrument :

BNA\_P

ClientSampleId :

MDL-SOIL-03-QT3-2021

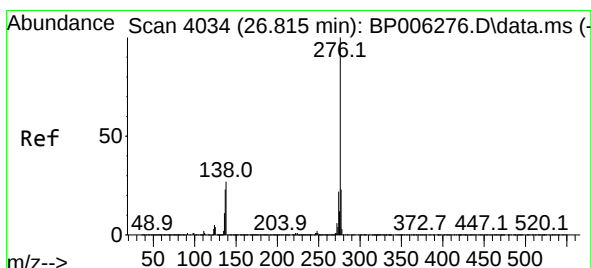
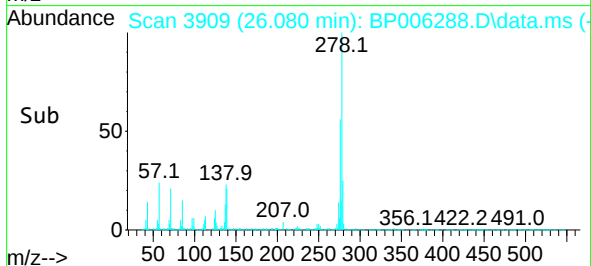
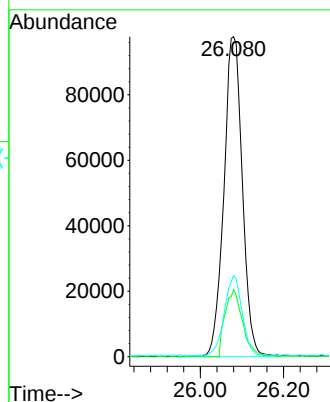
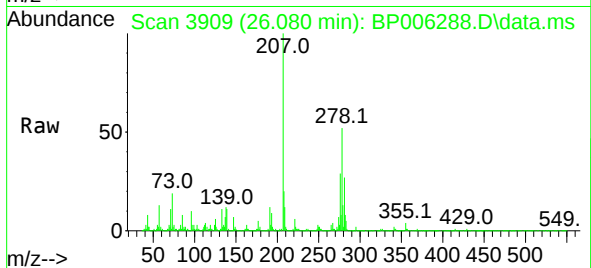
Tgt Ion:278 Resp: 301544

Ion Ratio Lower Upper

278 100

139 20.9 9.3 13.9#

279 25.4 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 3.723 ng

RT: 26.792 min Scan# 4030

Delta R.T. -0.024 min

Lab File: BP006288.D

Acq: 23 Jul 2021 15:28

Tgt Ion:276 Resp: 293367

Ion Ratio Lower Upper

276 100

277 22.3 18.9 28.3

138 25.4 12.6 18.8#

