

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080321\  
 Data File : BP006482.D  
 Acq On : 03 Aug 2021 17:34  
 Operator : CG/JU  
 Sample : M2262-02  
 Misc : LOQ-SOIL-5ppm  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

Quant Time: Aug 03 18:08:05 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 18:07:44 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.757  | 152  | 131852   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.540 | 136  | 529445   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.387 | 164  | 296409   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.139 | 188  | 601726   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.233 | 240  | 645889   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.563 | 264  | 687610   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.358  | 112  | 1013564  | 118.070 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 1392792  | 114.216 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.910  | 82   | 873170   | 76.124  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.881 | 330  | 372348   | 120.198 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.010 | 172  | 1508318  | 76.133  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.716 | 244  | 2265278  | 70.277  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.311  | 88   | 21562    | 5.769   | ng    | # 88     |
| 3) Pyridine                   | 3.705  | 79   | 52976    | 4.823   | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 22275    | 5.373   | ng    | # 83     |
| 6) Aniline                    | 7.093  | 93   | 77872    | 5.879   | ng    | 92       |
| 8) 2-Chlorophenol             | 7.322  | 128  | 49178    | 5.295   | ng    | 88       |
| 9) Benzaldehyde               | 6.910  | 77   | 54978    | 7.491   | ng    | 89       |
| 10) Phenol                    | 6.958  | 94   | 64284    | 5.257   | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 49984    | 5.384   | ng    | 88       |
| 12) 1,3-Dichlorobenzene       | 7.793  | 146  | 53390    | 5.515   | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.793  | 146  | 53390    | 5.434   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.105  | 146  | 52049    | 5.521   | ng    | 95       |
| 15) Benzyl Alcohol            | 8.005  | 79   | 45422    | 4.967   | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293  | 45   | 59357    | 5.372   | ng    | 93       |
| 17) 2-Methylphenol            | 8.199  | 107  | 37927    | 4.912   | ng    | 97       |
| 18) Hexachloroethane          | 8.828  | 117  | 21660    | 5.570   | ng    | # 81     |
| 19) n-Nitroso-di-n-propyla... | 8.563  | 70   | 40898    | 4.999   | ng    | # 95     |
| 20) 3+4-Methylphenols         | 8.528  | 107  | 49973    | 4.755   | ng    | 97       |
| 22) Acetophenone              | 8.581  | 105  | 78411    | 5.585   | ng    | # 97     |
| 24) Nitrobenzene              | 8.957  | 77   | 65908    | 5.528   | ng    | 90       |
| 25) Isophorone                | 9.481  | 82   | 94621    | 4.593   | ng    | 96       |
| 26) 2-Nitrophenol             | 9.663  | 139  | 18285    | 4.214   | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.728  | 122  | 39766    | 5.473   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 9.969  | 93   | 63432    | 5.754   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.187 | 162  | 33691    | 4.580   | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 10.404 | 180  | 41914    | 5.302   | ng    | 97       |
| 31) Naphthalene               | 10.593 | 128  | 154185   | 5.420   | ng    | 98       |
| 32) Benzoic acid              | 9.775  | 122  | 13246    | 2.356   | ng    | 94       |
| 33) 4-Chloroaniline           | 10.710 | 127  | 60407    | 5.247   | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.875 | 225  | 24115    | 5.235   | ng    | 97       |
| 35) Caprolactam               | 11.487 | 113  | 11496    | 4.334   | ng    | # 62     |
| 36) 4-Chloro-3-methylphenol   | 11.828 | 107  | 41566    | 4.447   | ng    | 87       |
| 37) 2-Methylnaphthalene       | 12.198 | 142  | 101594   | 5.270   | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 94731    | 5.171   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.569 | 216  | 43589    | 5.619   | ng    | # 95     |
| 41) Hexachlorocyclopentadiene | 12.551 | 237  | 26811    | 6.516   | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.816 | 196  | 21956    | 4.145   | ng    | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080321\  
 Data File : BP006482.D  
 Acq On : 03 Aug 2021 17:34  
 Operator : CG/JU  
 Sample : M2262-02  
 Misc : LOQ-SOIL-5ppm  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

Quant Time: Aug 03 18:08:05 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 18:07:44 2021  
 Response via : Initial Calibration

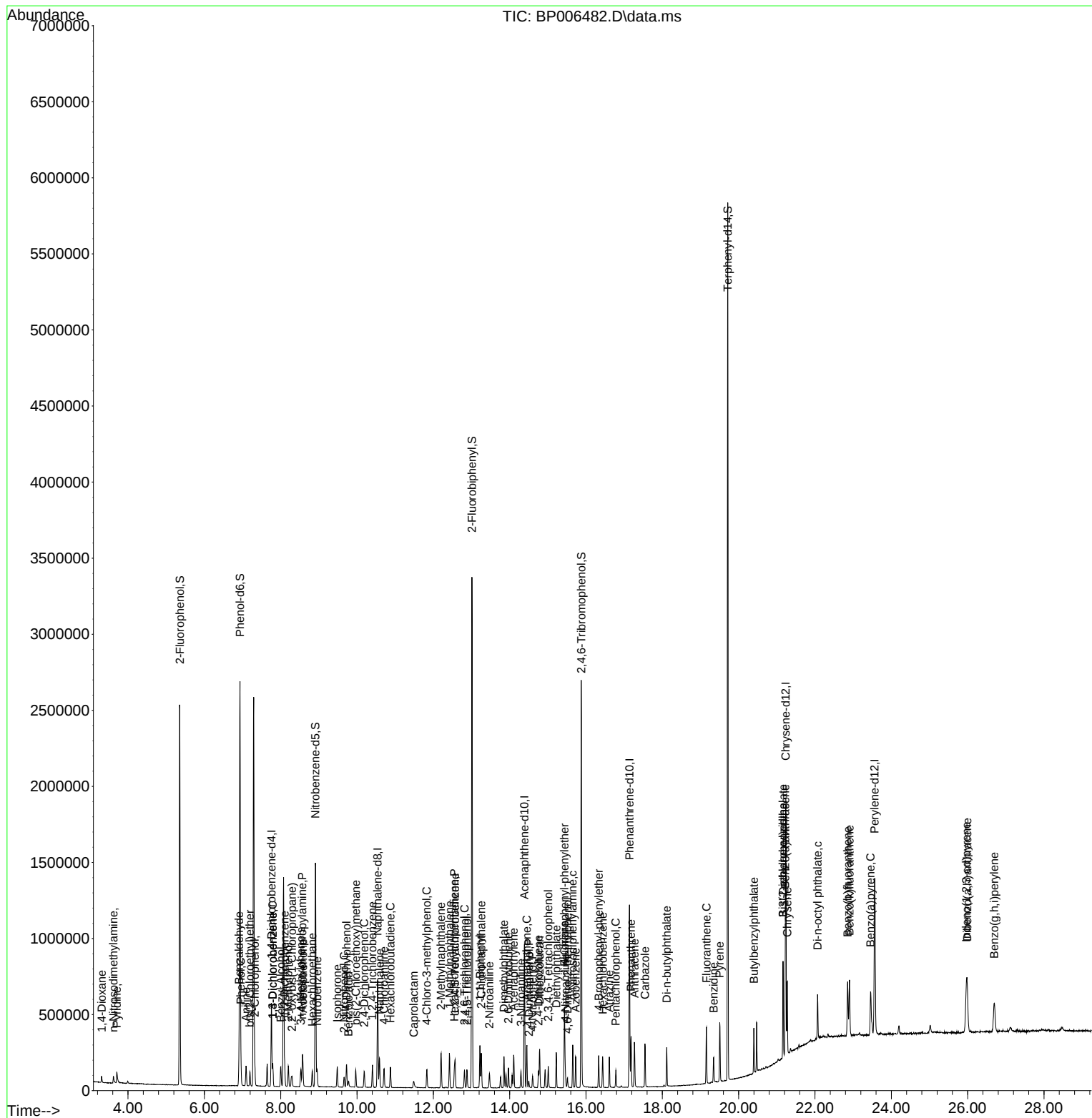
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.881 | 196  | 25857    | 4.410 | ng    | # 90     |
| 46) 1,1'-Biphenyl             | 13.222 | 154  | 129671   | 5.780 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.257 | 162  | 94000    | 5.441 | ng    | # 91     |
| 48) 2-Nitroaniline            | 13.469 | 65   | 27124    | 4.449 | ng    | 88       |
| 49) Acenaphthylene            | 14.104 | 152  | 144713   | 5.195 | ng    | 100      |
| 50) Dimethylphthalate         | 13.851 | 163  | 114812   | 5.321 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 20508    | 4.260 | ng    | # 68     |
| 52) Acenaphthene              | 14.451 | 154  | 89612    | 5.285 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.298 | 138  | 24211    | 4.536 | ng    | # 86     |
| 54) 2,4-Dinitrophenol         | 14.504 | 184  | 8050     | 3.197 | ng    | # 83     |
| 55) Dibenzofuran              | 14.787 | 168  | 142169   | 5.331 | ng    | 92       |
| 56) 4-Nitrophenol             | 14.598 | 139  | 18416    | 3.974 | ng    | # 84     |
| 57) 2,4-Dinitrotoluene        | 14.757 | 165  | 25836    | 4.001 | ng    | # 75     |
| 58) Fluorene                  | 15.434 | 166  | 111409   | 5.227 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.010 | 232  | 22462    | 4.571 | ng    | # 73     |
| 60) Diethylphthalate          | 15.222 | 149  | 115448   | 5.094 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204  | 52604    | 5.449 | ng    | 89       |
| 62) 4-Nitroaniline            | 15.457 | 138  | 24228    | 4.278 | ng    | 92       |
| 63) Azobenzene                | 15.728 | 77   | 123020   | 4.656 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 15.516 | 198  | 10645    | 2.895 | ng    | # 53     |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 93443    | 4.941 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.333 | 248  | 28620    | 4.957 | ng    | # 83     |
| 68) Hexachlorobenzene         | 16.439 | 284  | 34630    | 5.271 | ng    | # 89     |
| 69) Atrazine                  | 16.610 | 200  | 29739    | 5.039 | ng    | 94       |
| 70) Pentachlorophenol         | 16.781 | 266  | 16974    | 4.072 | ng    | 96       |
| 71) Phenanthrene              | 17.180 | 178  | 181144   | 5.337 | ng    | 100      |
| 72) Anthracene                | 17.269 | 178  | 168356   | 5.133 | ng    | 99       |
| 73) Carbazole                 | 17.545 | 167  | 162664   | 4.863 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.116 | 149  | 164456   | 4.315 | ng    | # 98     |
| 75) Fluoranthene              | 19.157 | 202  | 194905   | 5.116 | ng    | 94       |
| 77) Benzidine                 | 19.345 | 184  | 85930    | 5.317 | ng    | 99       |
| 78) Pyrene                    | 19.504 | 202  | 207074   | 4.800 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.398 | 149  | 71529    | 3.770 | ng    | # 84     |
| 81) Benzo(a)anthracene        | 21.221 | 228  | 212286   | 5.029 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.163 | 252  | 66254    | 5.979 | ng    | # 97     |
| 83) Chrysene                  | 21.274 | 228  | 218593   | 5.342 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.163 | 149  | 110057   | 3.861 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.068 | 149  | 175473   | 3.734 | ng    | # 91     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.962 | 276  | 256404   | 5.143 | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 22.857 | 252  | 224671   | 5.027 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 22.904 | 252  | 217907   | 5.079 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 23.457 | 252  | 201745   | 5.033 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 25.992 | 278  | 225302   | 5.226 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 26.698 | 276  | 217860   | 5.274 | ng    | # 91     |

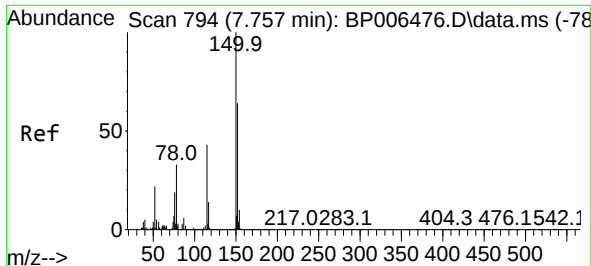
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080321\  
 Data File : BP006482.D  
 Acq On : 03 Aug 2021 17:34  
 Operator : CG/JU  
 Sample : M2262-02  
 Misc : LOQ-SOIL-5ppm  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

Quant Time: Aug 03 18:08:05 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 03 18:07:44 2021  
 Response via : Initial Calibration

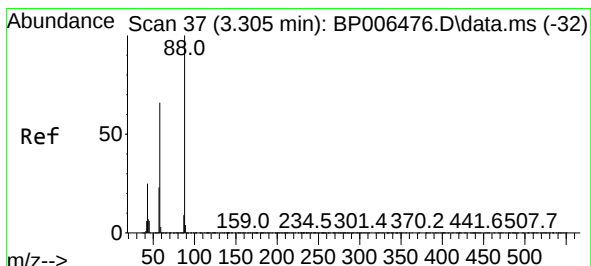
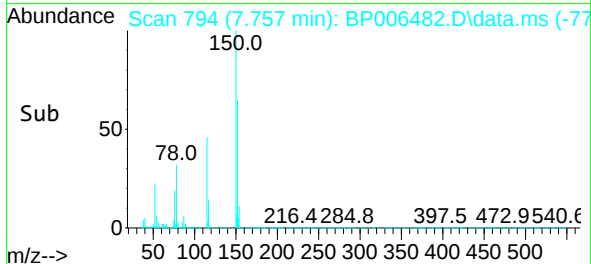
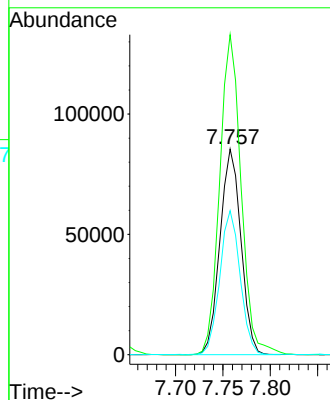
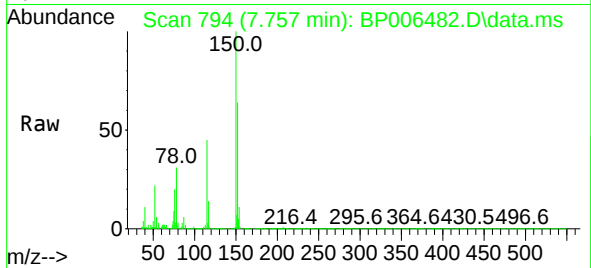




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.757 min Scan# 794  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

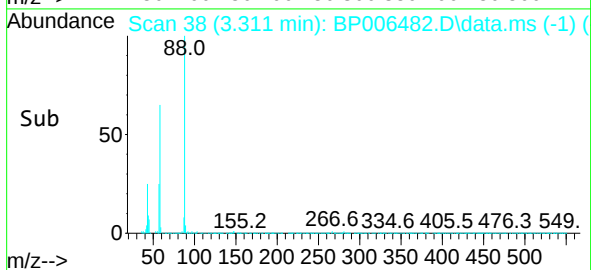
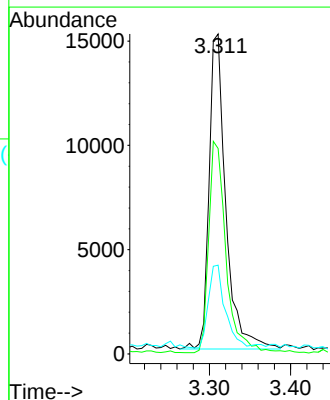
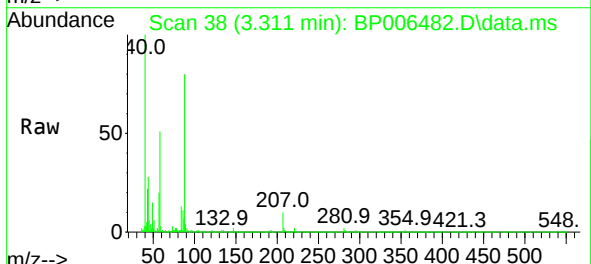
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

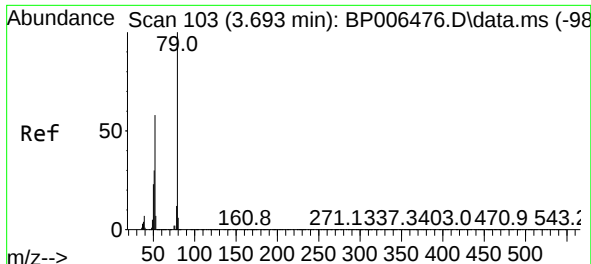
Tgt Ion:152 Resp: 131852  
Ion Ratio Lower Upper  
152 100  
150 155.7 125.6 188.4  
115 70.1 48.5 72.7



#2  
1,4-Dioxane  
Concen: 5.769 ng  
RT: 3.311 min Scan# 38  
Delta R.T. 0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 88 Resp: 21562  
Ion Ratio Lower Upper  
88 100  
58 70.1 46.7 70.1#  
43 26.4 20.3 30.5

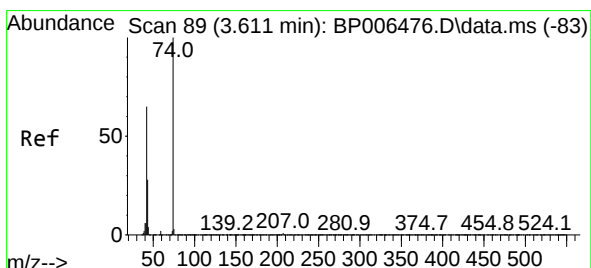
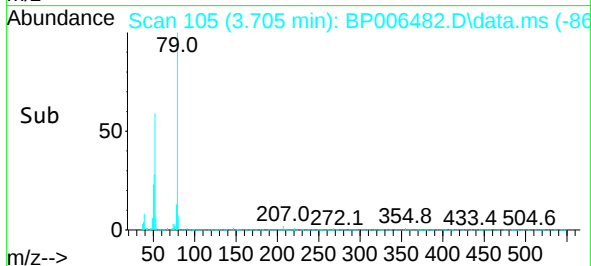
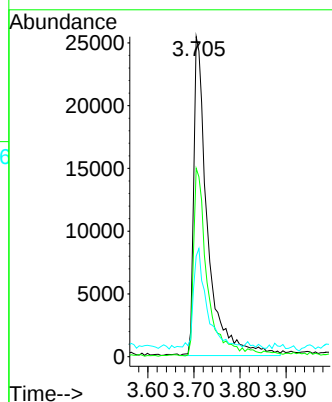
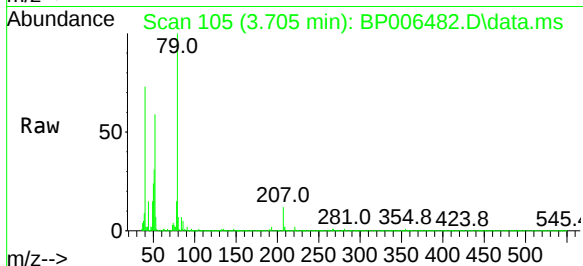




#3  
Pyridine  
Concen: 4.823 ng  
RT: 3.705 min Scan# 105  
Delta R.T. 0.012 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

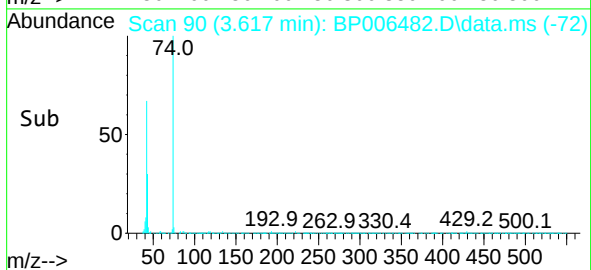
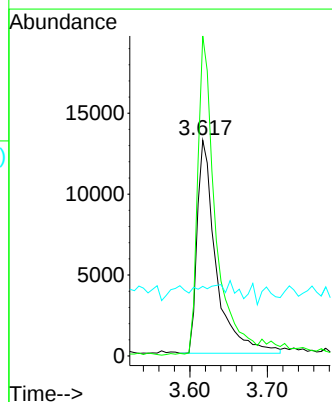
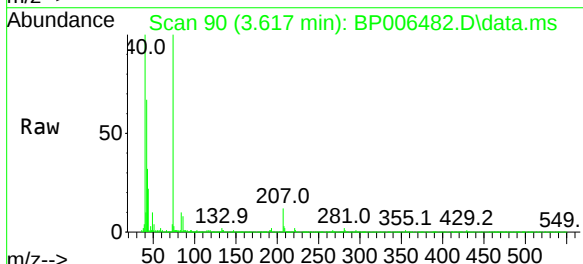
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

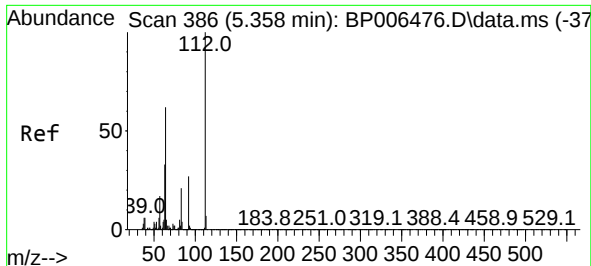
Tgt Ion: 79 Resp: 52976  
Ion Ratio Lower Upper  
79 100  
52 58.9 41.7 62.5  
51 31.4 24.1 36.1



#4  
n-Nitrosodimethylamine  
Concen: 5.373 ng  
RT: 3.617 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 42 Resp: 22275  
Ion Ratio Lower Upper  
42 100  
74 148.4 105.4 158.0  
44 32.3 4.2 6.4

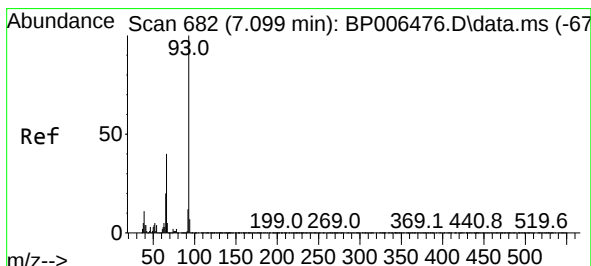
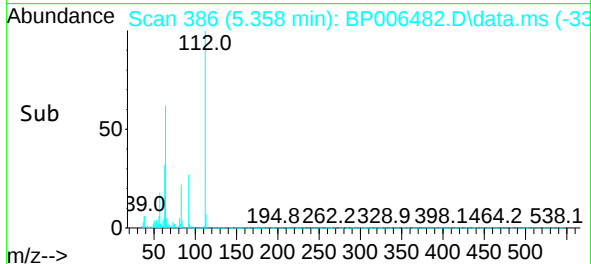
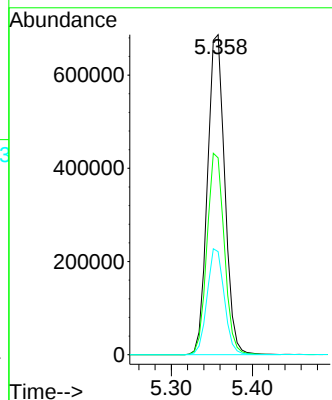
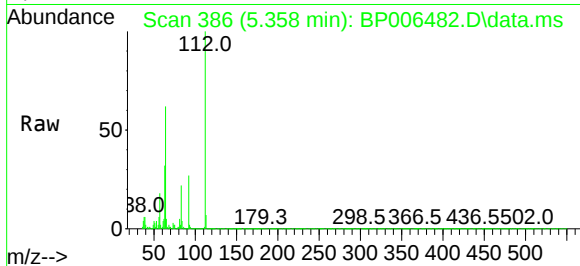




#5  
2-Fluorophenol  
Concen: 118.070 ng  
RT: 5.358 min Scan# 386  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

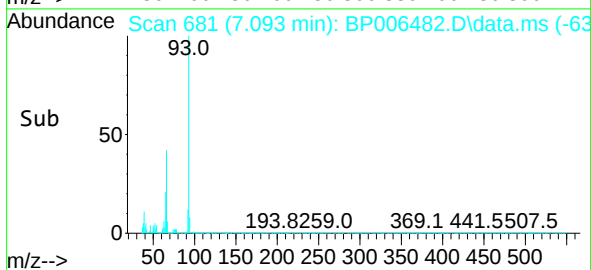
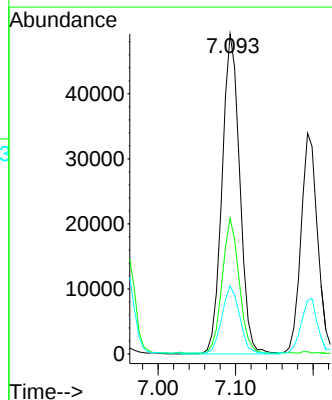
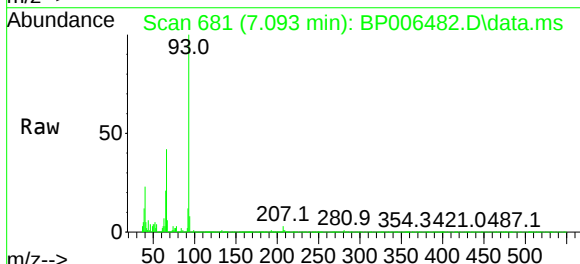
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

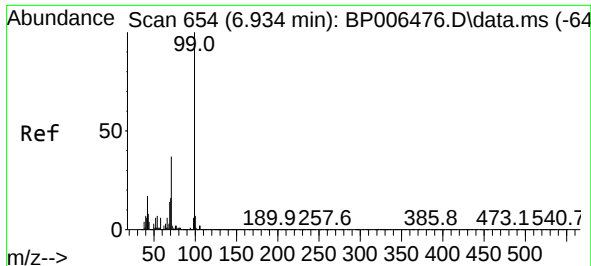
Tgt Ion:112 Resp: 1013564  
Ion Ratio Lower Upper  
112 100  
64 61.5 41.4 62.2  
63 32.2 23.8 35.8



#6  
Aniline  
Concen: 5.879 ng  
RT: 7.093 min Scan# 681  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

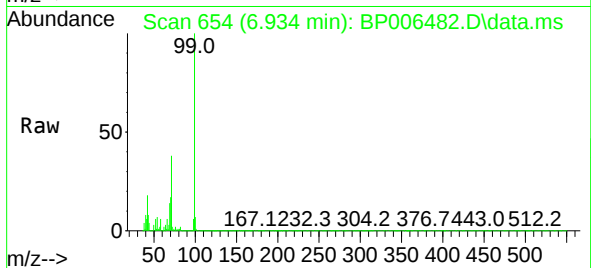
Tgt Ion: 93 Resp: 77872  
Ion Ratio Lower Upper  
93 100  
66 42.4 29.7 44.5  
65 21.3 15.3 22.9





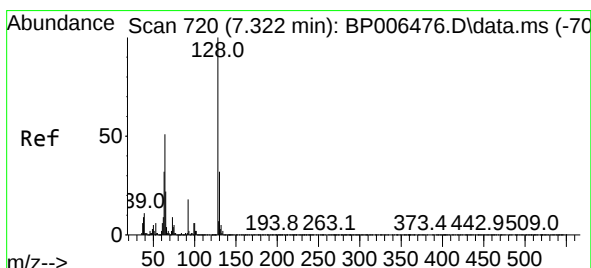
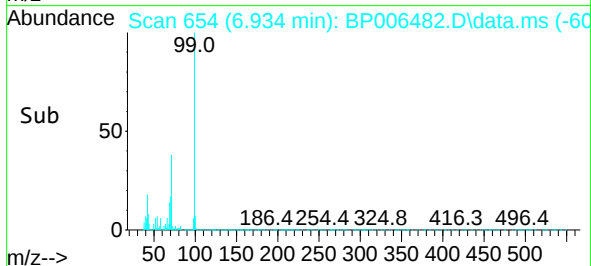
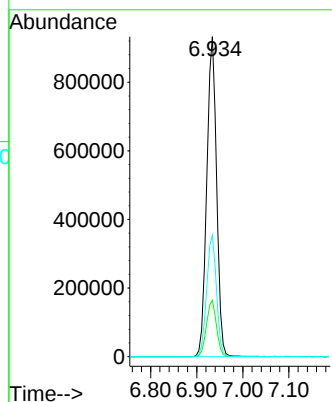
#7  
Phenol-d6  
Concen: 114.216 ng  
RT: 6.934 min Scan# 654  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021



Tgt Ion: 99 Resp: 1392792

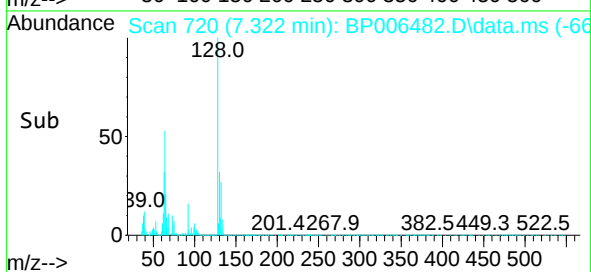
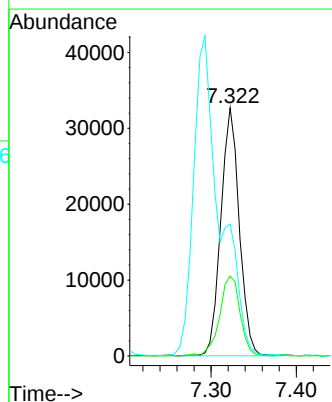
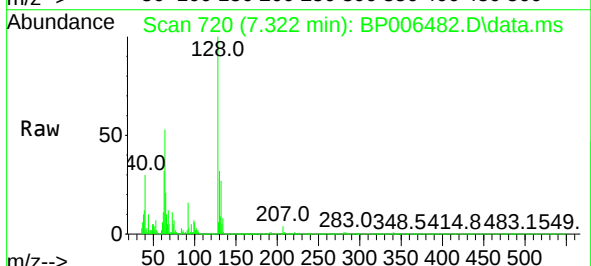
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 13.4  | 20.0  |
| 71  | 37.9  | 30.6  | 46.0  |

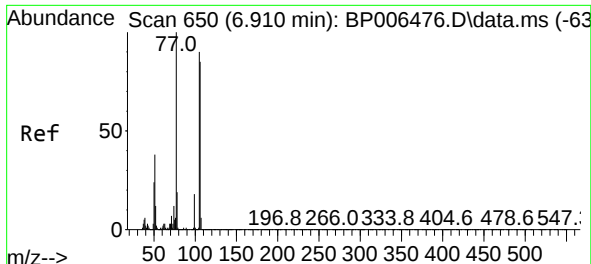


#8  
2-Chlorophenol  
Concen: 5.295 ng  
RT: 7.322 min Scan# 720  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 128 Resp: 49178

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.2  | 12.4  | 52.4  |
| 64  | 53.2  | 20.3  | 60.3  |

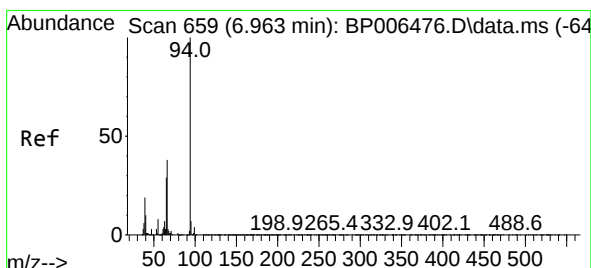
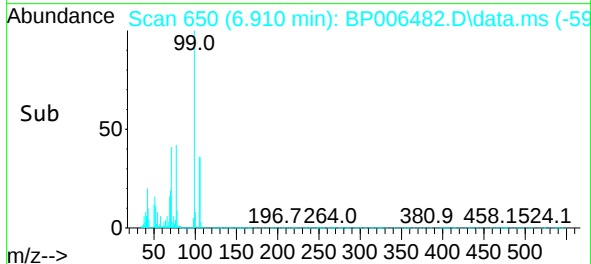
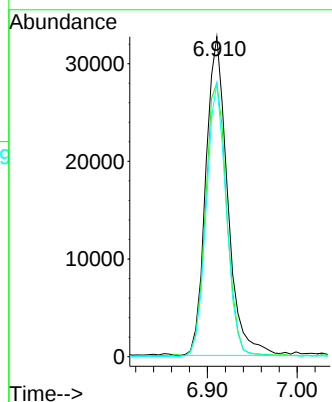
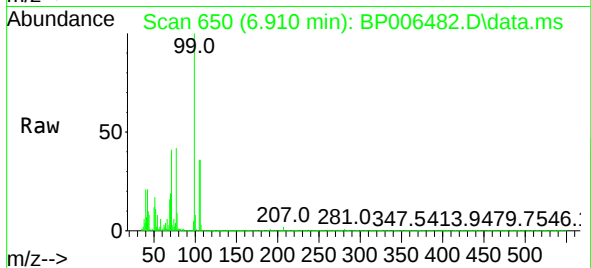




#9  
Benzaldehyde  
Concen: 7.491 ng  
RT: 6.910 min Scan# 650  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

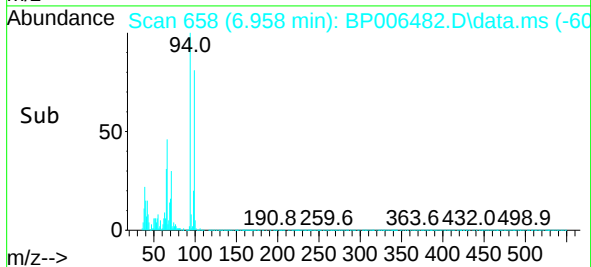
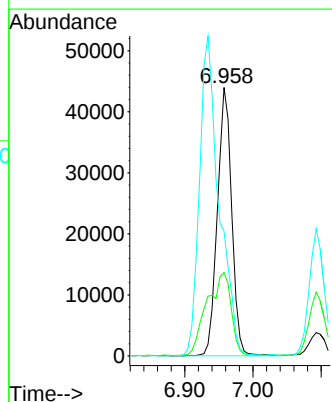
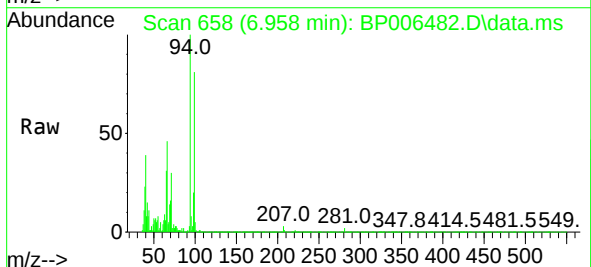
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

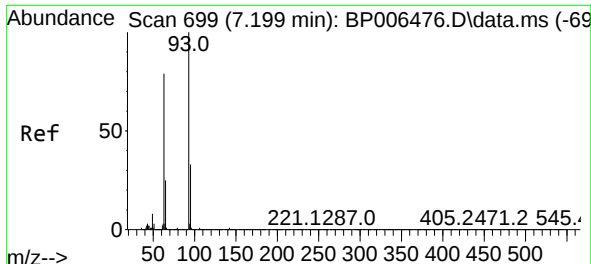
Tgt Ion: 77 Resp: 54978  
Ion Ratio Lower Upper  
77 100  
105 85.6 76.7 116.7  
106 85.4 76.2 116.2



#10  
Phenol  
Concen: 5.257 ng  
RT: 6.958 min Scan# 658  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 94 Resp: 64284  
Ion Ratio Lower Upper  
94 100  
65 31.1 8.8 48.8  
66 46.5 20.7 60.7

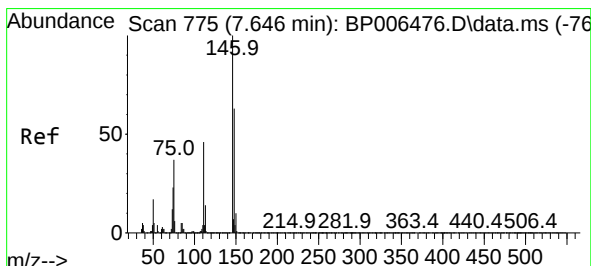
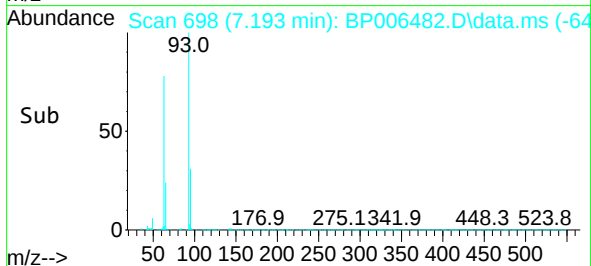
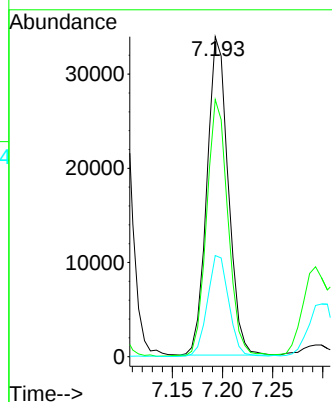
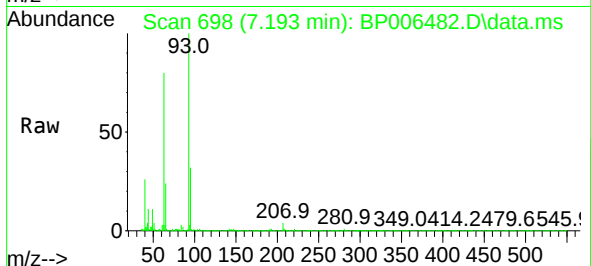




#11  
bis(2-Chloroethyl)ether  
Concen: 5.384 ng  
RT: 7.193 min Scan# 698  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

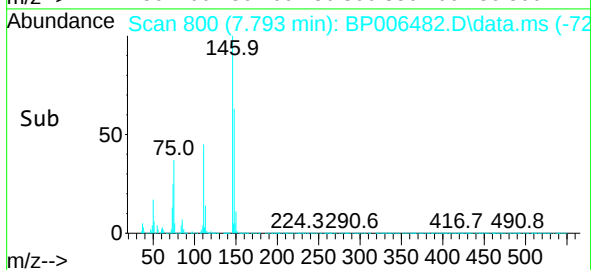
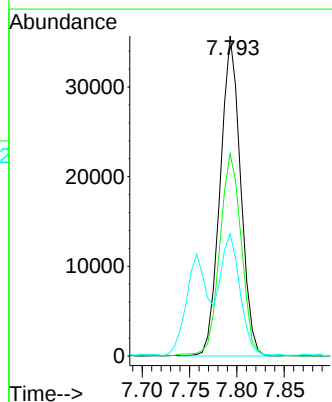
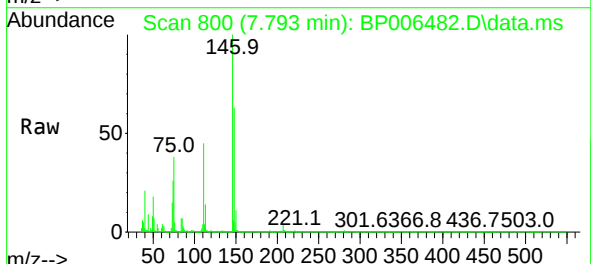
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

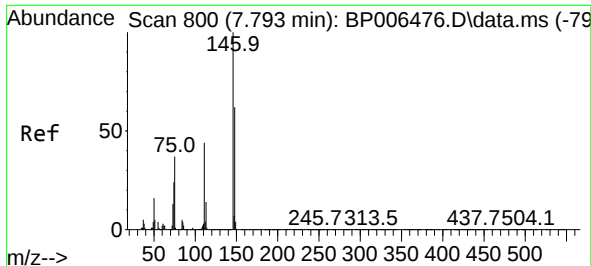
|             |             |
|-------------|-------------|
| Tgt Ion: 93 | Resp: 49984 |
| Ion Ratio   | Lower Upper |
| 93 100      |             |
| 63 80.4     | 46.2 86.2   |
| 95 31.6     | 12.2 52.2   |



#12  
1,3-Dichlorobenzene  
Concen: 5.515 ng  
RT: 7.793 min Scan# 800  
Delta R.T. 0.147 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|              |             |
|--------------|-------------|
| Tgt Ion: 146 | Resp: 53390 |
| Ion Ratio    | Lower Upper |
| 146 100      |             |
| 148 63.2     | 51.5 77.3   |
| 75 38.1      | 25.7 38.5   |

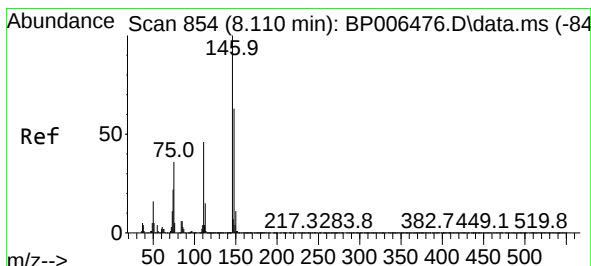
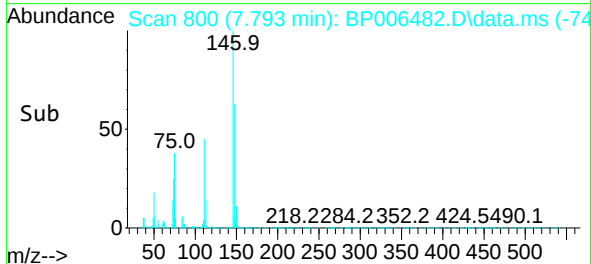
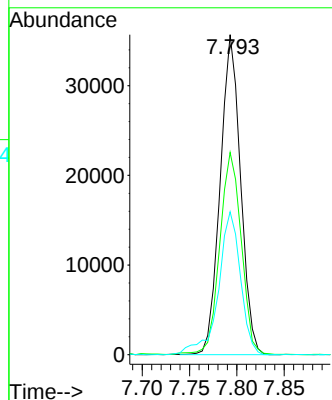
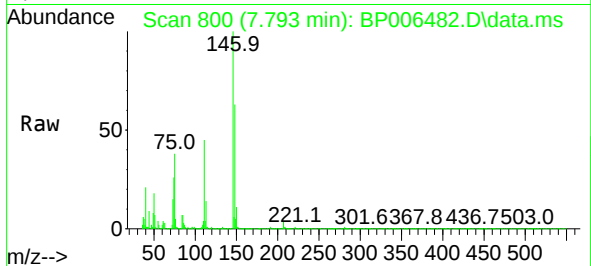




#13  
1,4-Dichlorobenzene  
Concen: 5.434 ng  
RT: 7.793 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

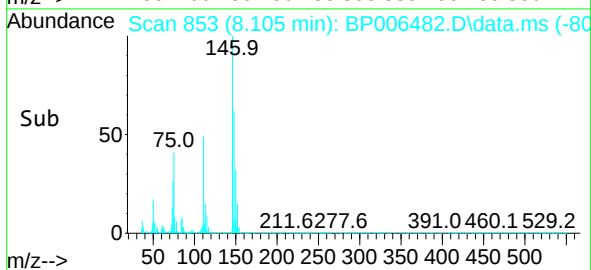
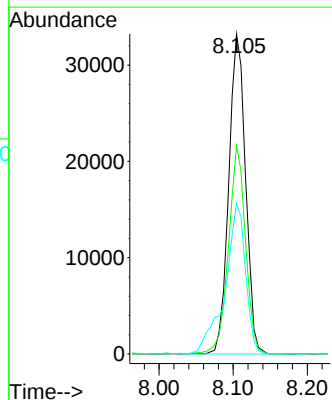
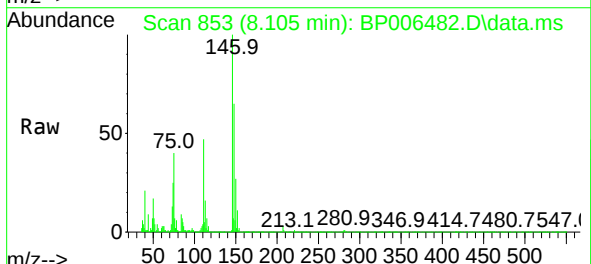
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

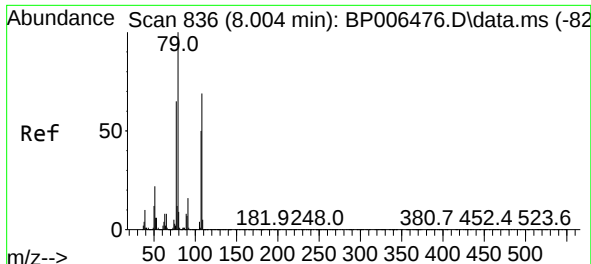
Tgt Ion:146 Resp: 53390  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.3 76.9  
111 44.6 33.0 49.6



#14  
1,2-Dichlorobenzene  
Concen: 5.521 ng  
RT: 8.105 min Scan# 853  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:146 Resp: 52049  
Ion Ratio Lower Upper  
146 100  
148 65.1 50.3 75.5  
111 47.0 33.7 50.5

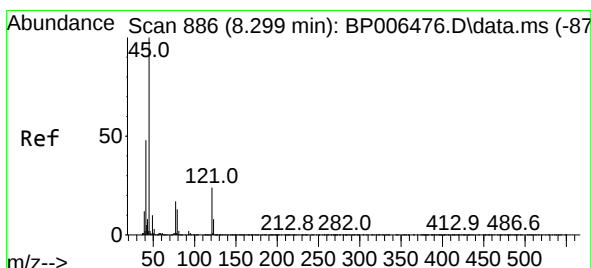
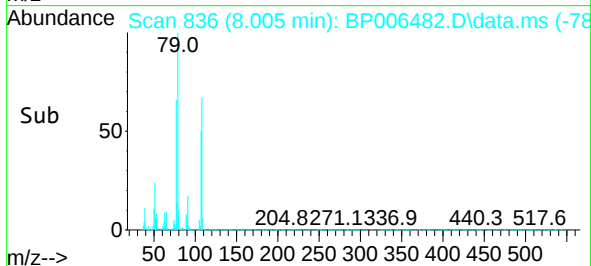
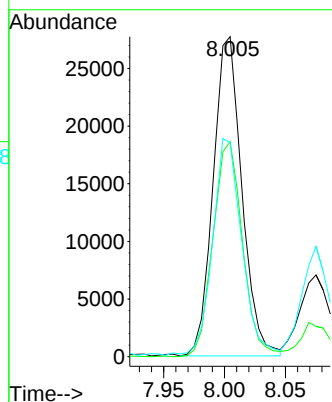
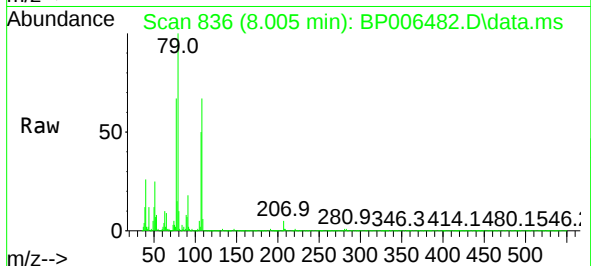




#15  
Benzyl Alcohol  
Concen: 4.967 ng  
RT: 8.005 min Scan# 836  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

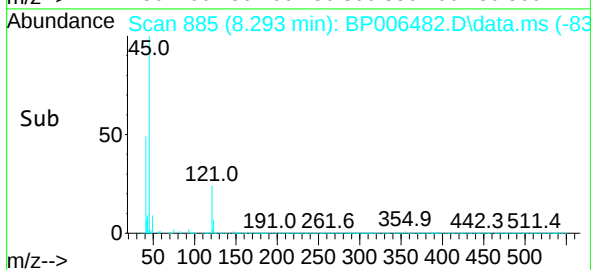
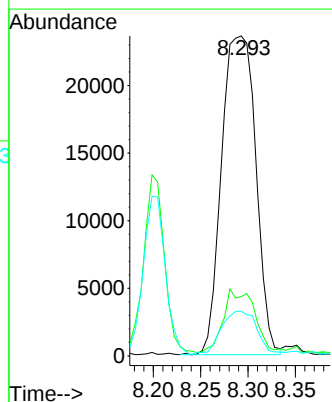
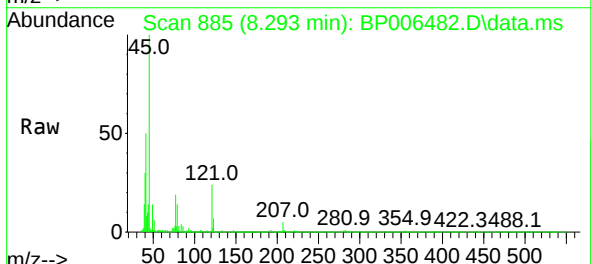
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

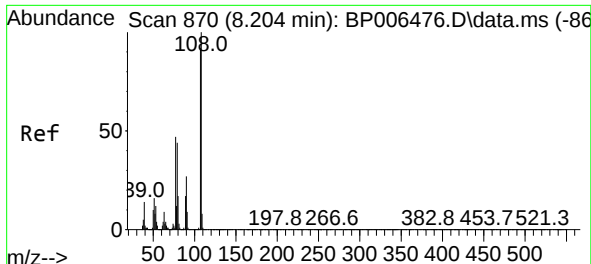
Tgt Ion: 79 Resp: 45422  
Ion Ratio Lower Upper  
79 100  
108 67.2 62.5 93.7  
77 66.9 52.9 79.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.372 ng  
RT: 8.293 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 45 Resp: 59357  
Ion Ratio Lower Upper  
45 100  
77 18.6 2.0 42.0  
79 13.9 0.0 36.7

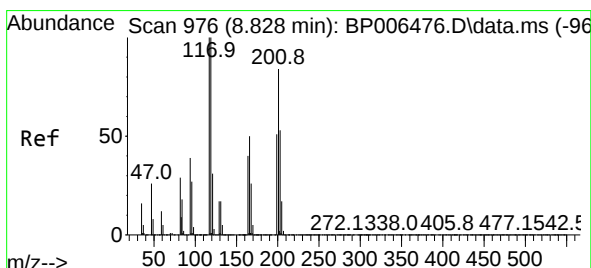
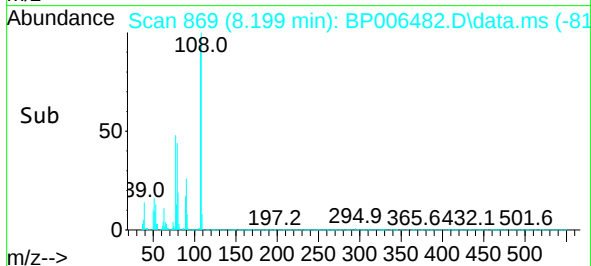
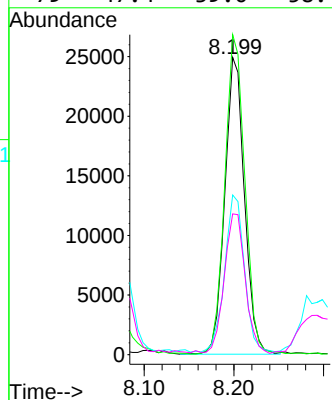
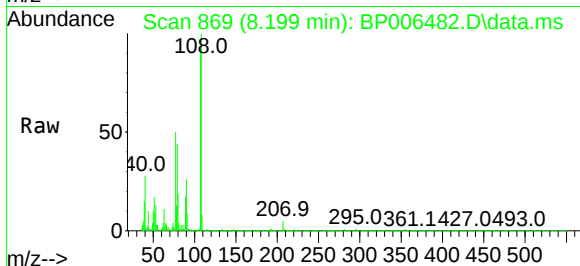




#17  
2-Methylphenol  
Concen: 4.912 ng  
RT: 8.199 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

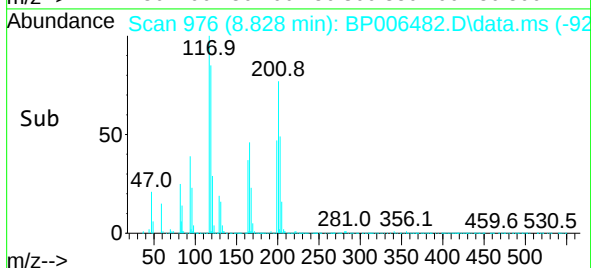
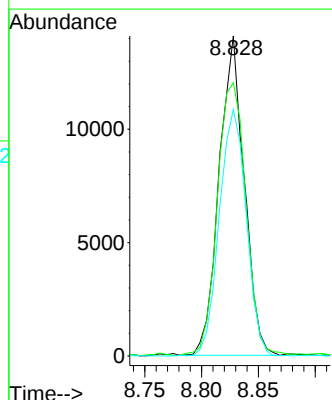
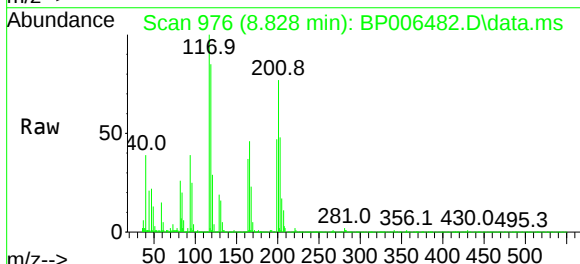
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

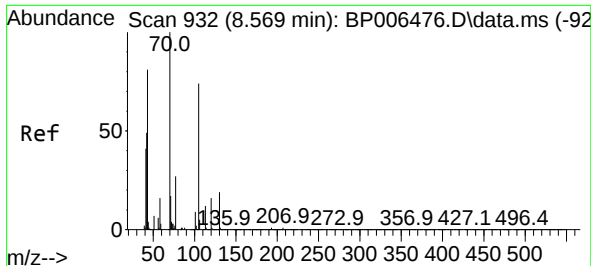
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 37927 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 107.6 | 87.7  | 131.5 |
| 77       | 53.7  | 40.2  | 60.2  |
| 79       | 47.4  | 39.0  | 58.4  |



#18  
Hexachloroethane  
Concen: 5.570 ng  
RT: 8.828 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

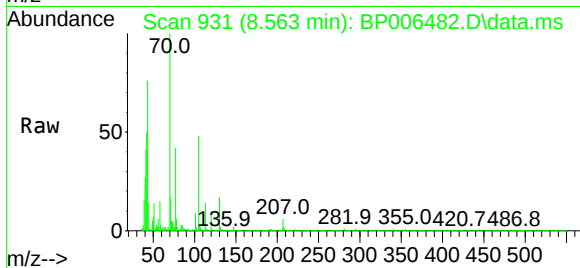
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 21660  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 85.4  | 76.2  | 114.2  |
| 201      | 77.0  | 83.4  | 125.0# |



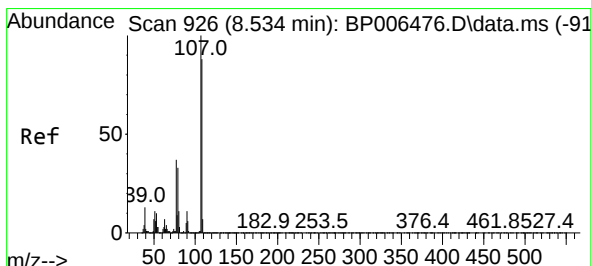
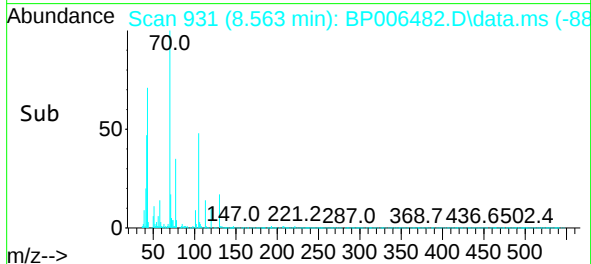
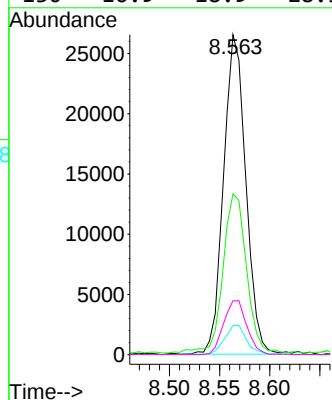


#19  
n-Nitroso-di-n-propylamine  
Concen: 4.999 ng  
RT: 8.563 min Scan# 931  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

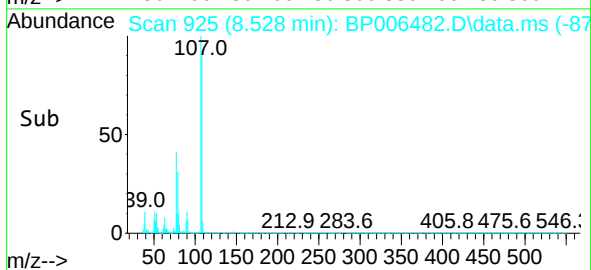
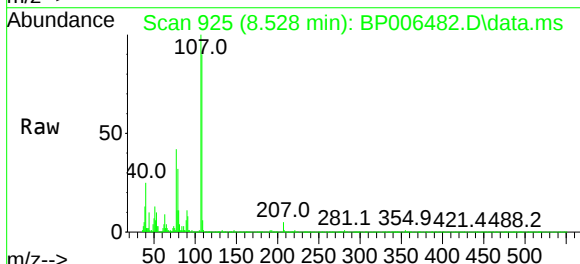
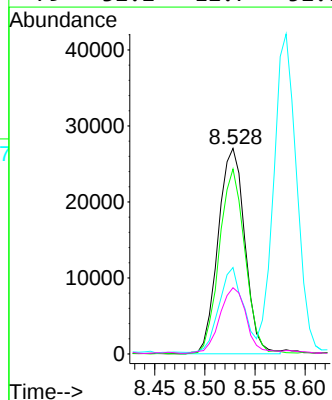


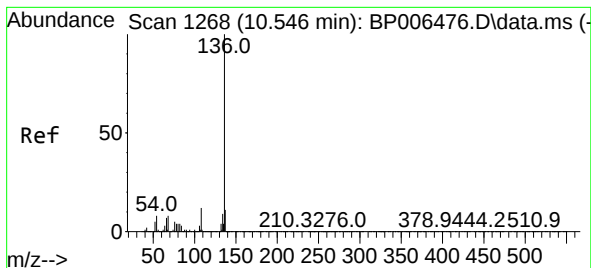
Tgt Ion: 70 Resp: 40898  
Ion Ratio Lower Upper  
70 100  
42 50.3 40.8 61.2  
101 9.1 8.8 13.2  
130 16.9 18.9 28.3#



#20  
3+4-Methylphenols  
Concen: 4.755 ng  
RT: 8.528 min Scan# 925  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 107 Resp: 49973  
Ion Ratio Lower Upper  
107 100  
108 90.0 71.0 111.0  
77 42.0 16.6 56.6  
79 32.2 12.7 52.7

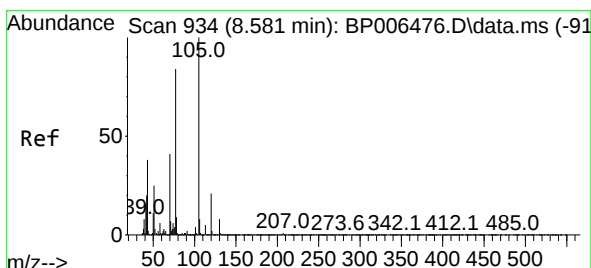
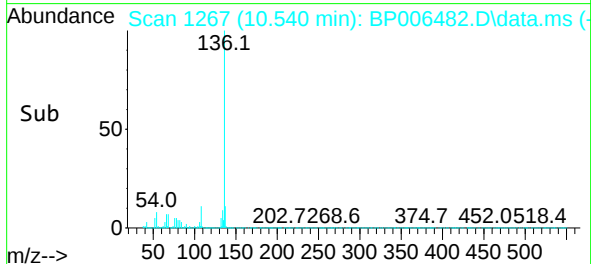
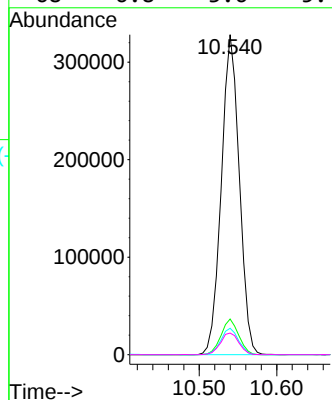
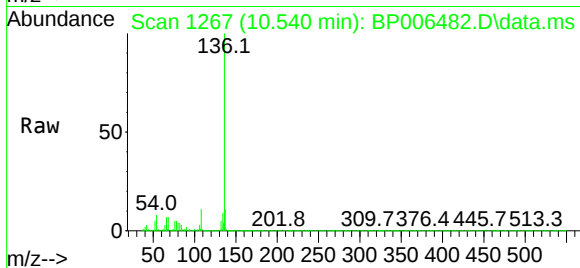




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.540 min Scan# 1267  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

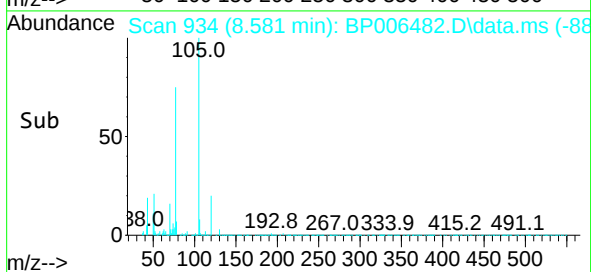
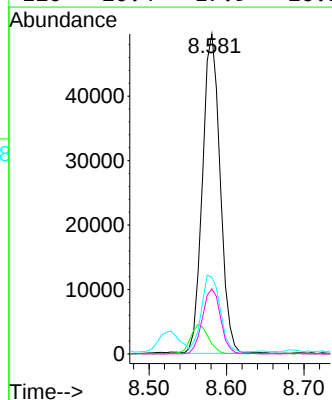
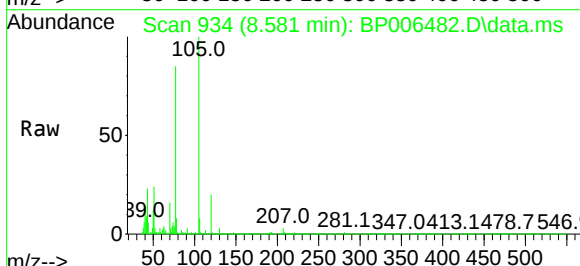
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

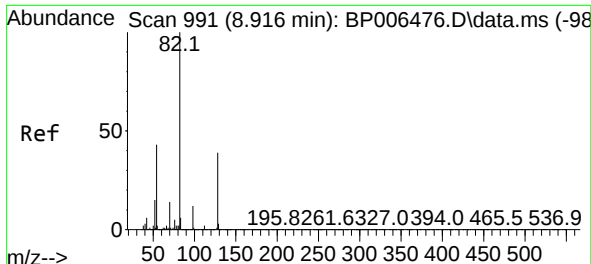
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 529445 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.6   | 12.8   |
| 54       | 8.3   | 4.6   | 6.8#   |
| 68       | 6.8   | 3.6   | 5.4#   |



#22  
Acetophenone  
Concen: 5.585 ng  
RT: 8.581 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 78411 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 3.1   | 1.9   | 2.9#  |
| 51       | 23.9  | 18.4  | 27.6  |
| 120      | 20.4  | 17.9  | 26.9  |

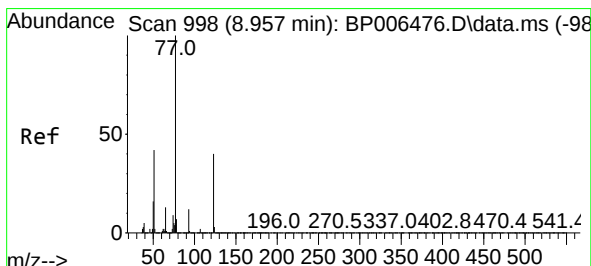
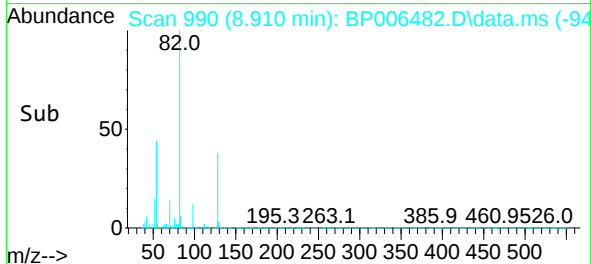
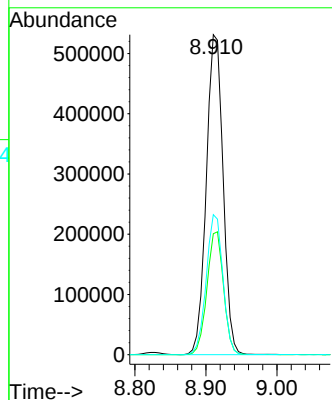
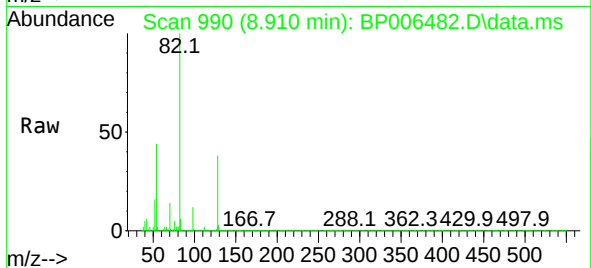




#23  
Nitrobenzene-d5  
Concen: 76.124 ng  
RT: 8.910 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

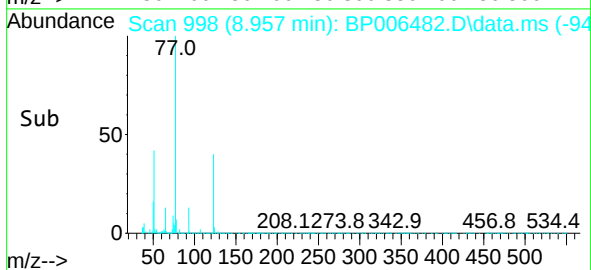
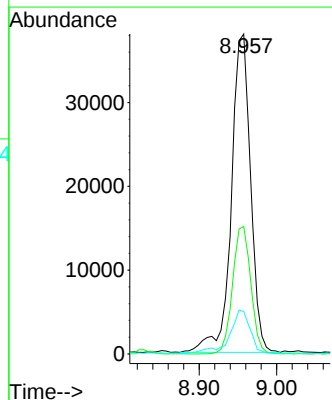
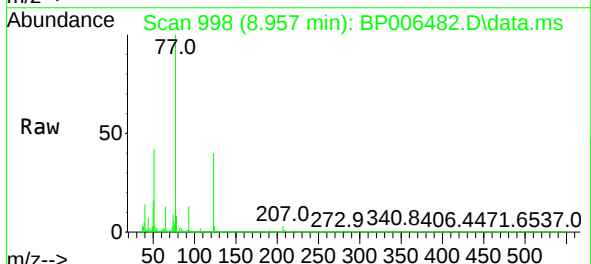
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

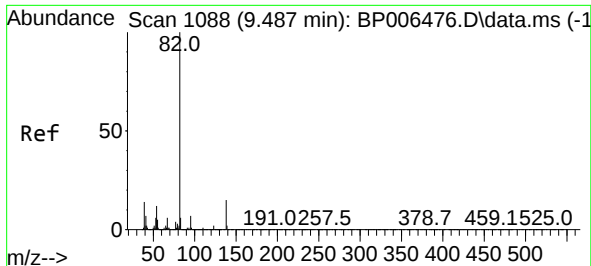
Tgt Ion: 82 Resp: 873170  
Ion Ratio Lower Upper  
82 100  
128 37.8 35.7 53.5  
54 43.7 35.0 52.4



#24  
Nitrobenzene  
Concen: 5.528 ng  
RT: 8.957 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 77 Resp: 65908  
Ion Ratio Lower Upper  
77 100  
123 39.9 38.2 57.2  
65 13.3 11.4 17.2

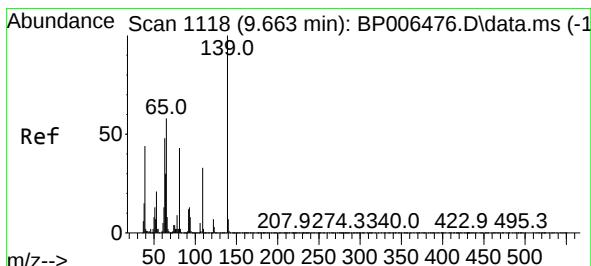
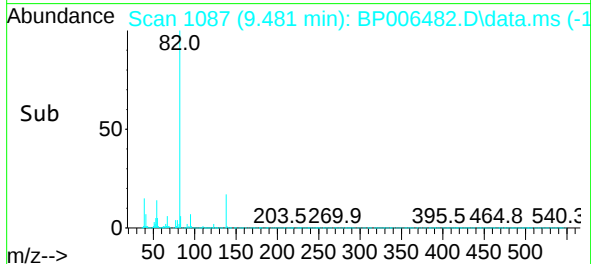
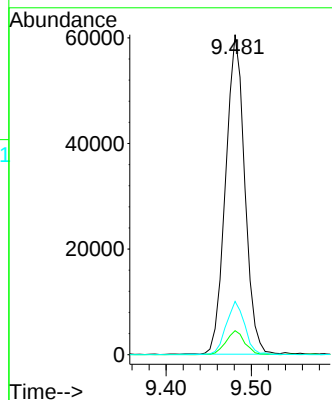
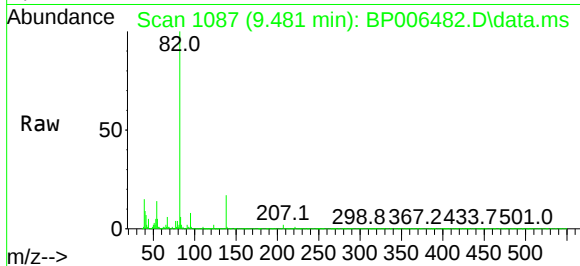




#25  
Isophorone  
Concen: 4.593 ng  
RT: 9.481 min Scan# 1087  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

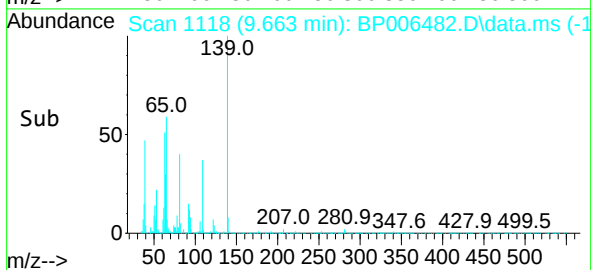
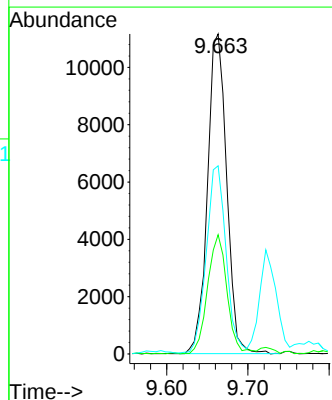
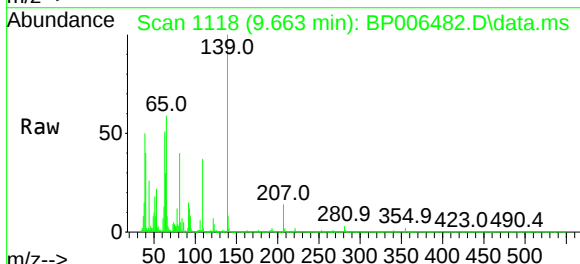
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

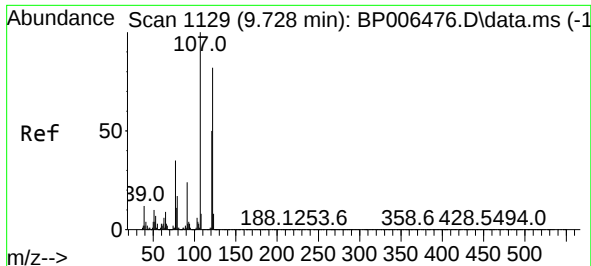
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 94621 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 95       | 7.5   | 6.5   | 9.7   |
| 138      | 16.7  | 15.0  | 22.4  |



#26  
2-Nitrophenol  
Concen: 4.214 ng  
RT: 9.663 min Scan# 1118  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 18285 |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 109      | 37.3  | 28.8  | 43.2  |
| 65       | 58.8  | 41.0  | 61.6  |

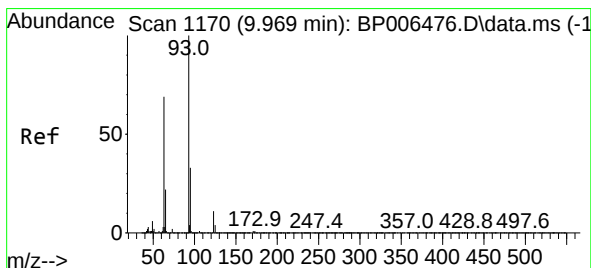
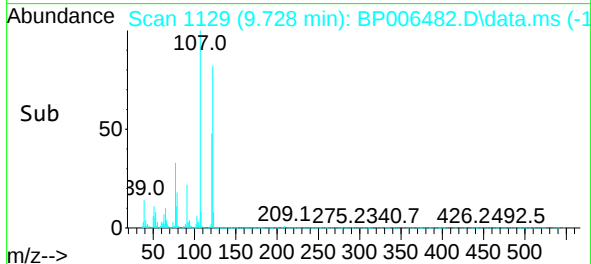
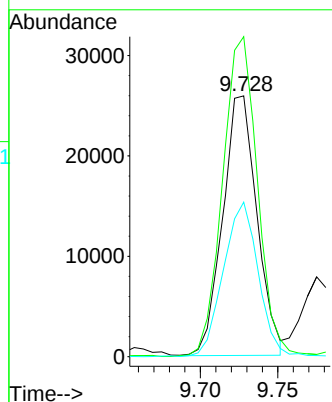
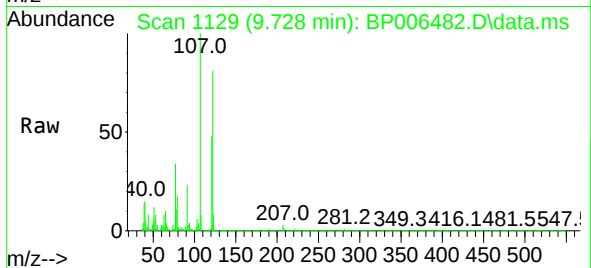




#27  
2,4-Dimethylphenol  
Concen: 5.473 ng  
RT: 9.728 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

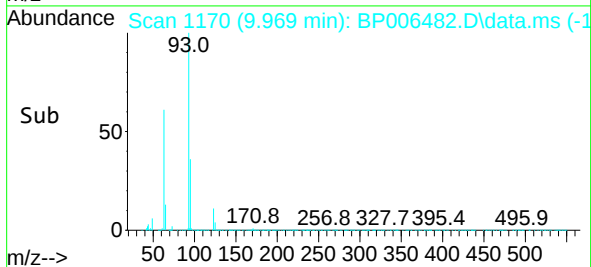
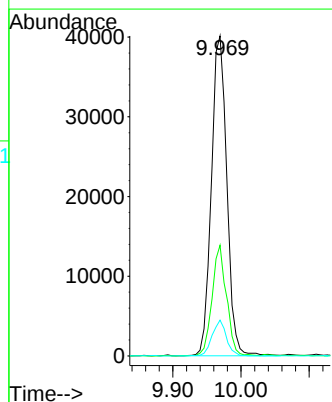
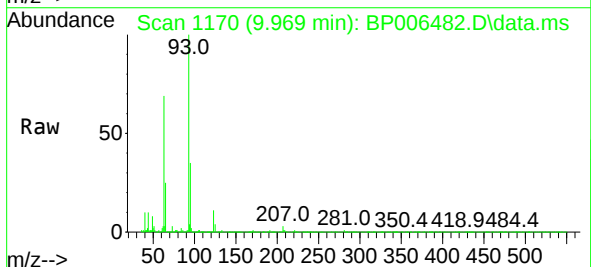
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

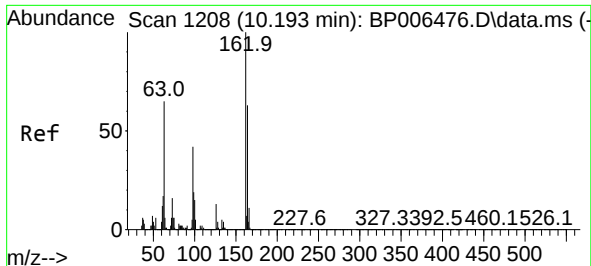
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 39766 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 122.7 | 94.5  | 141.7 |
| 121      | 59.3  | 47.4  | 71.2  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 5.754 ng  
RT: 9.969 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 63432 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 34.6  | 25.9  | 38.9  |
| 123      | 11.2  | 10.2  | 15.2  |

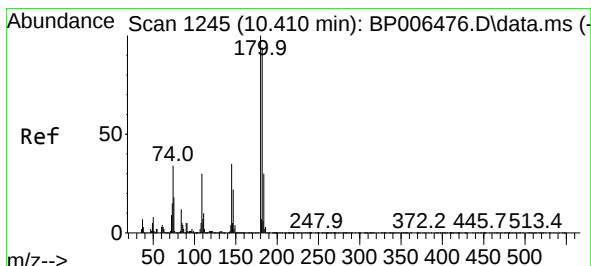
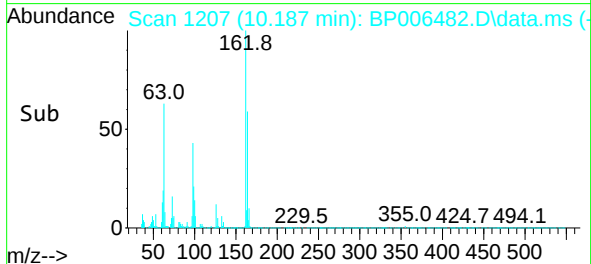
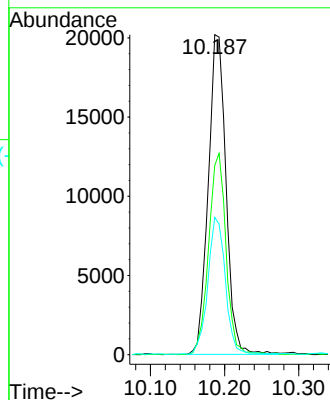
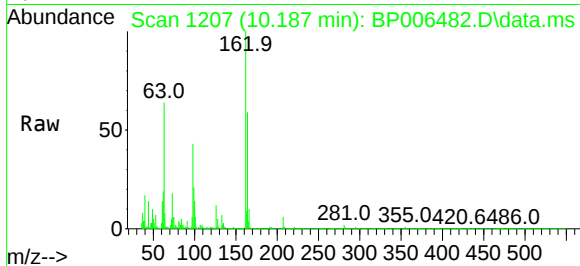




#29  
2,4-Dichlorophenol  
Concen: 4.580 ng  
RT: 10.187 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

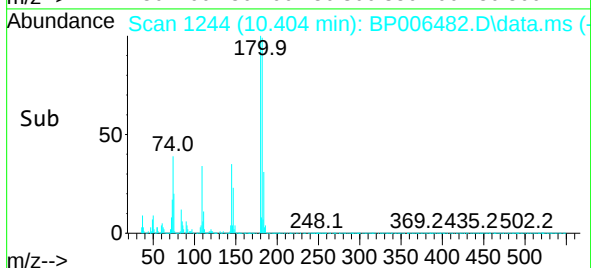
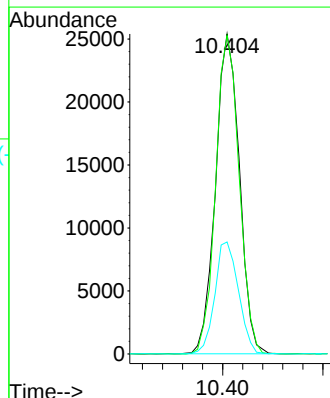
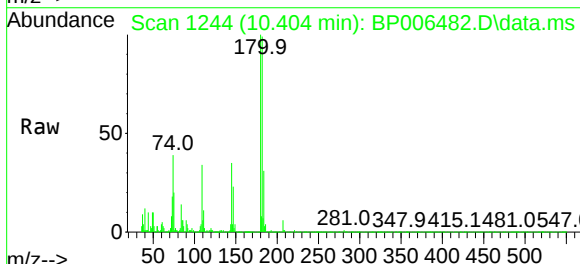
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

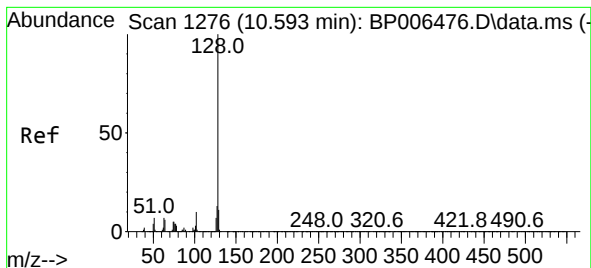
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 33691 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 59.2  | 44.9  | 84.9  |
| 98        | 42.9  | 14.3  | 54.3  |



#30  
1,2,4-Trichlorobenzene  
Concen: 5.302 ng  
RT: 10.404 min Scan# 1244  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 41914 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.4  | 77.9  | 116.9 |
| 145       | 35.0  | 24.7  | 37.1  |

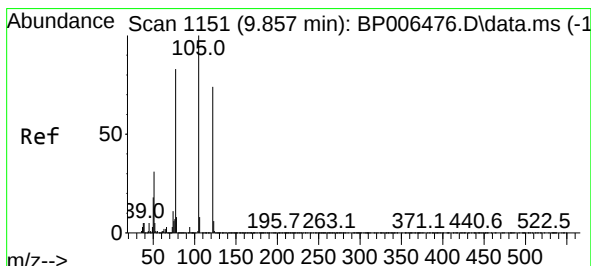
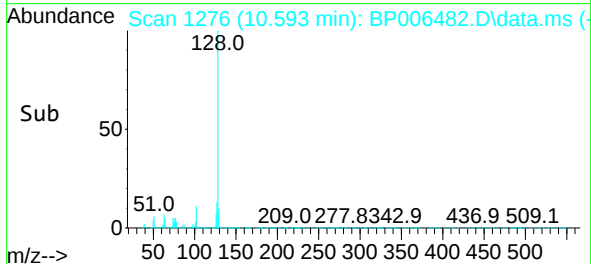
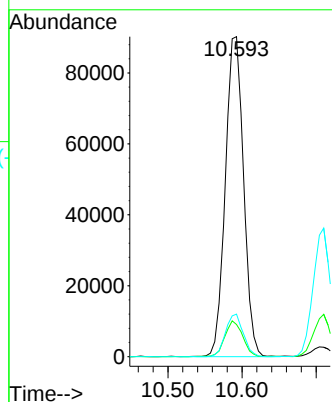
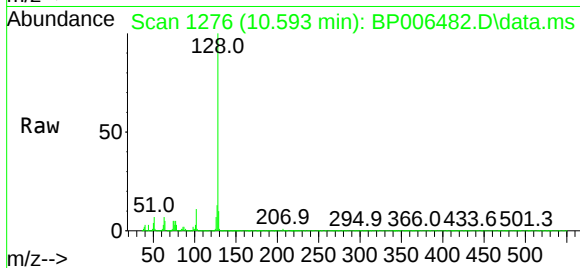




#31  
Naphthalene  
Concen: 5.420 ng  
RT: 10.593 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

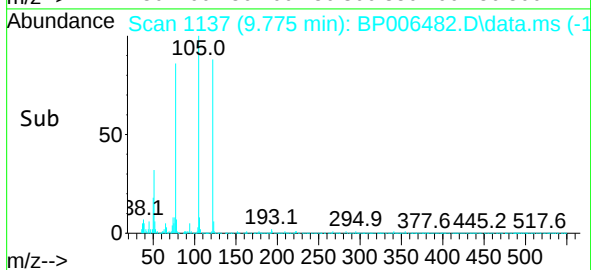
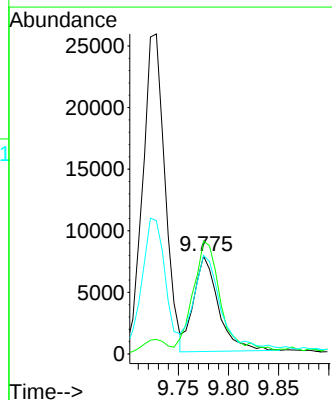
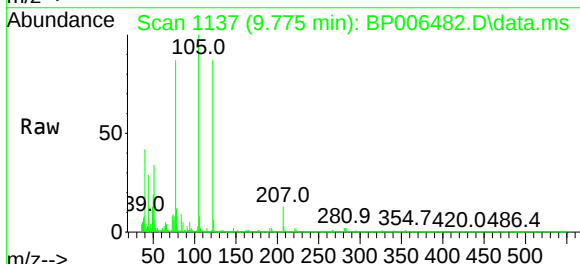
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

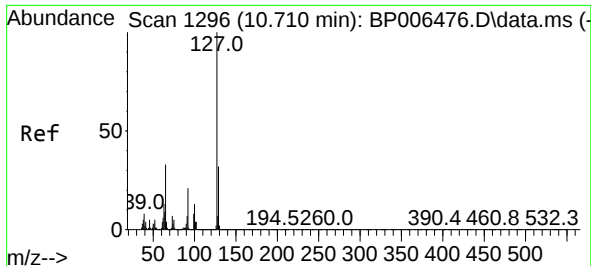
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 154185 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.0  | 9.0   | 13.6   |
| 127       | 13.3  | 10.7  | 16.1   |



#32  
Benzoic acid  
Concen: 2.356 ng  
RT: 9.775 min Scan# 1137  
Delta R.T. -0.082 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 13246 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 115.4 | 103.2 | 143.2 |
| 77        | 100.7 | 76.2  | 116.2 |

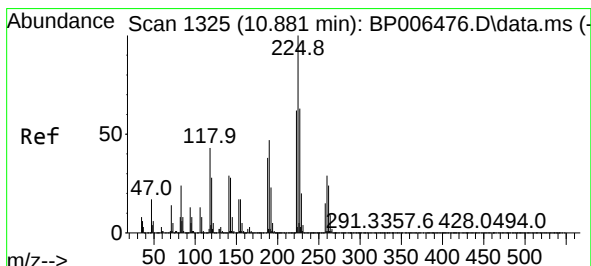
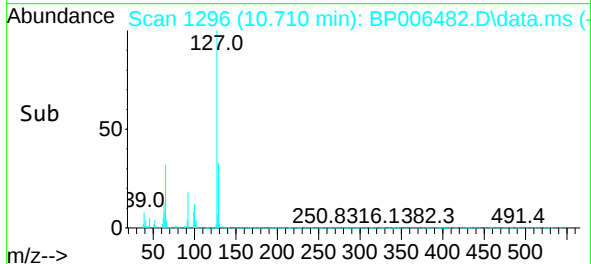
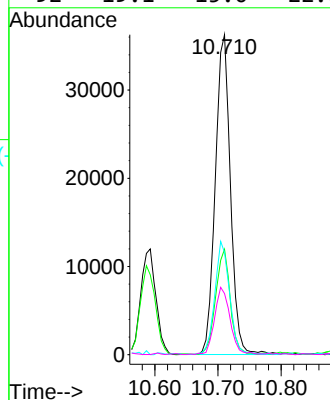
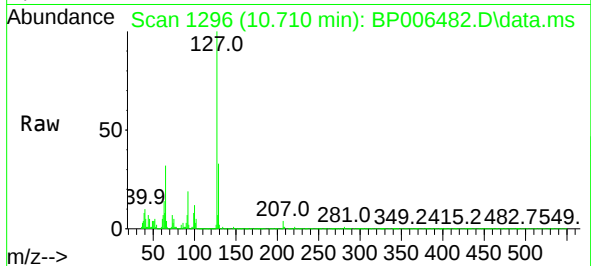




#33  
4-Chloroaniline  
Concen: 5.247 ng  
RT: 10.710 min Scan# 1296  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

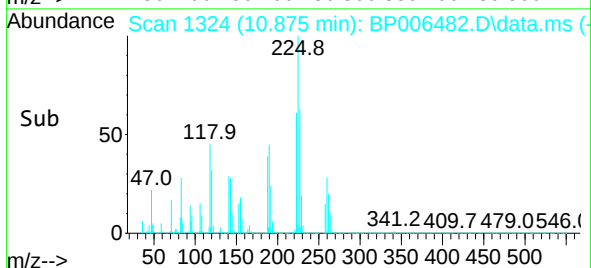
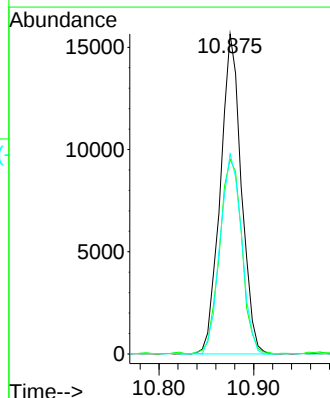
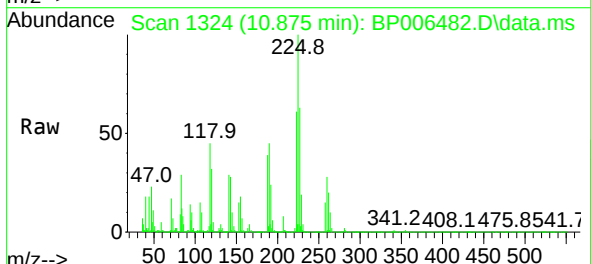
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

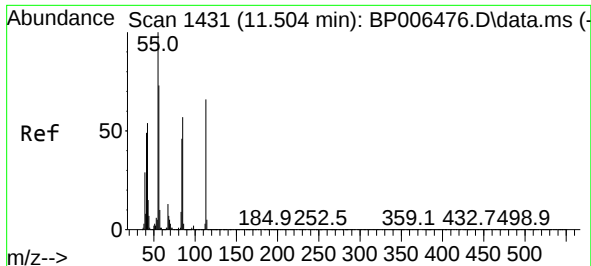
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 60407 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.9  | 26.1  | 39.1  |
| 65       | 31.9  | 22.5  | 33.7  |
| 92       | 19.1  | 15.0  | 22.6  |



#34  
Hexachlorobutadiene  
Concen: 5.235 ng  
RT: 10.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 24115 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.8  | 51.0  | 76.6  |
| 227      | 62.5  | 51.4  | 77.2  |

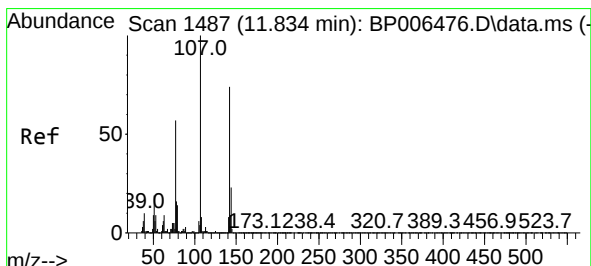
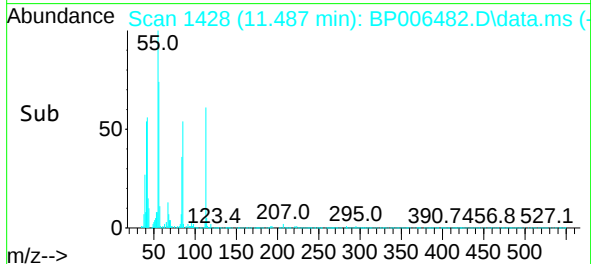
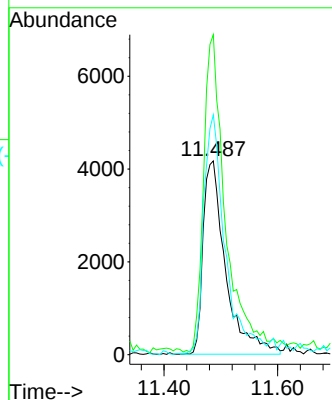
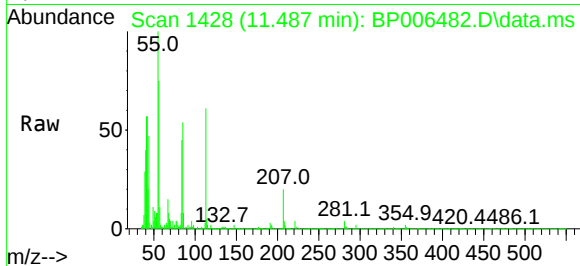




#35  
Caprolactam  
Concen: 4.334 ng  
RT: 11.487 min Scan# 1428  
Delta R.T. -0.018 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

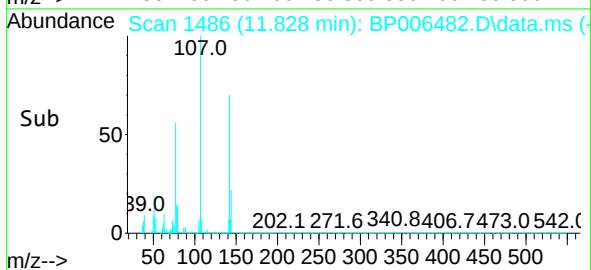
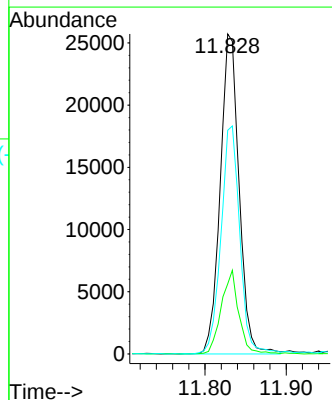
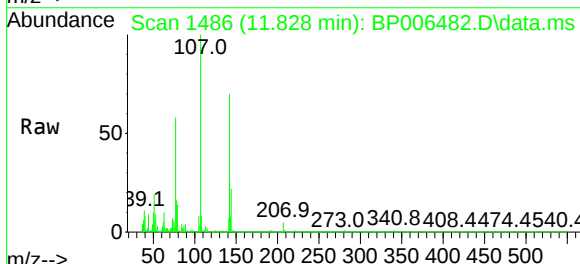
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

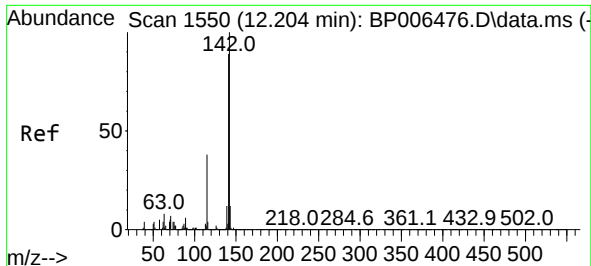
Tgt Ion:113 Resp: 11496  
Ion Ratio Lower Upper  
113 100  
55 165.2 98.9 138.9#  
56 123.8 71.7 111.7#



#36  
4-Chloro-3-methylphenol  
Concen: 4.447 ng  
RT: 11.828 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:107 Resp: 41566  
Ion Ratio Lower Upper  
107 100  
144 21.9 21.1 31.7  
142 69.9 66.0 99.0

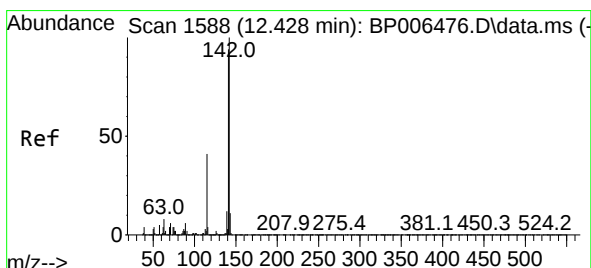
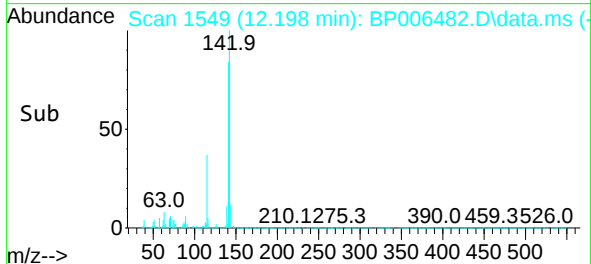
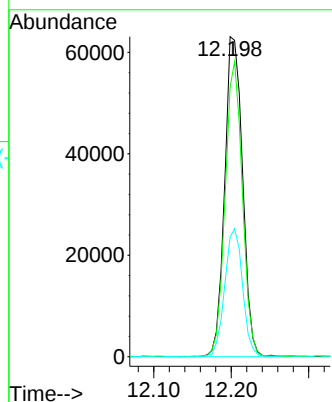
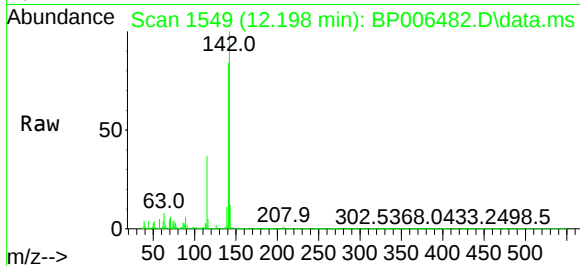




#37  
2-Methylnaphthalene  
Concen: 5.270 ng  
RT: 12.198 min Scan# 1549  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

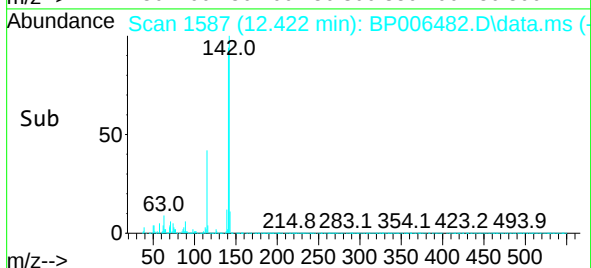
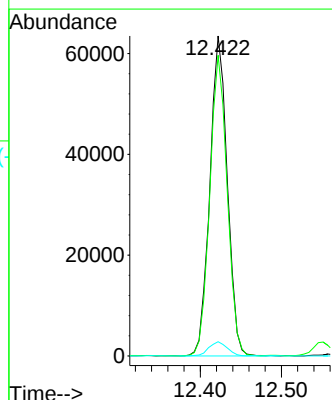
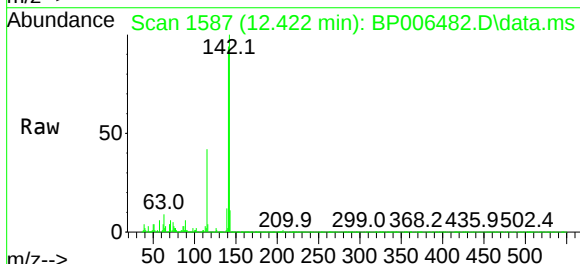
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

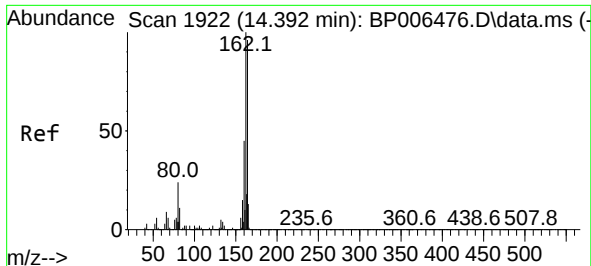
Tgt Ion:142 Resp: 101594  
Ion Ratio Lower Upper  
142 100  
141 84.2 71.8 107.6  
115 37.4 31.6 47.4



#38  
1-Methylnaphthalene  
Concen: 5.171 ng  
RT: 12.422 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:142 Resp: 94731  
Ion Ratio Lower Upper  
142 100  
141 94.0 73.3 109.9  
116 4.4 3.5 5.3

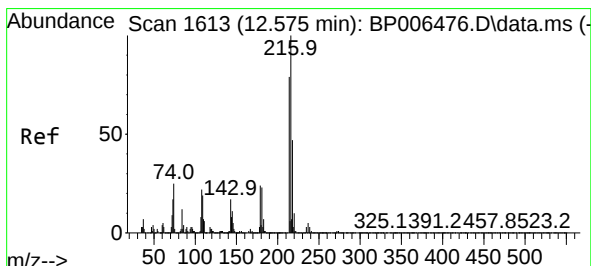
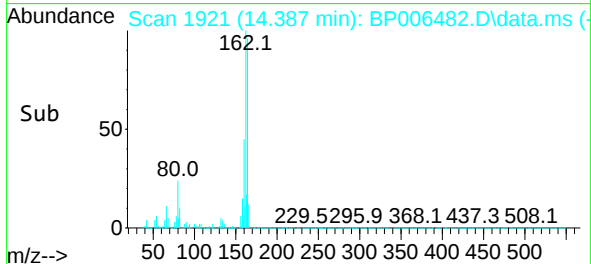
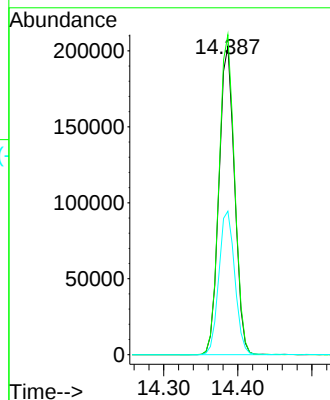
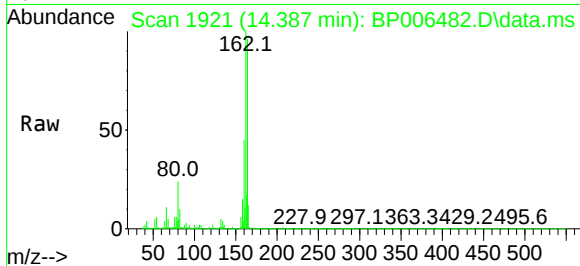




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.387 min Scan# 1921  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

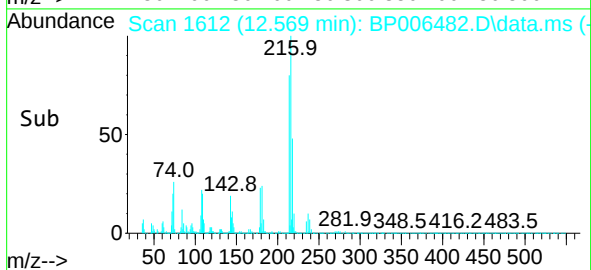
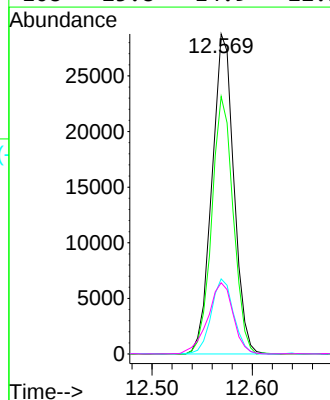
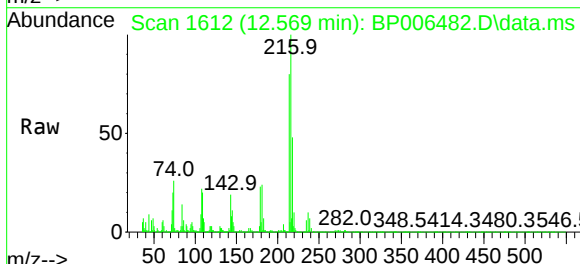
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

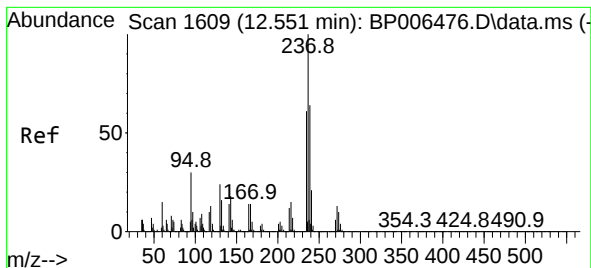
Tgt Ion:164 Resp: 296409  
Ion Ratio Lower Upper  
164 100  
162 103.8 80.2 120.2  
160 46.5 34.5 51.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 5.619 ng  
RT: 12.569 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:216 Resp: 43589  
Ion Ratio Lower Upper  
216 100  
214 79.2 61.9 92.9  
179 24.2 16.8 25.2  
108 25.8 14.9 22.3#

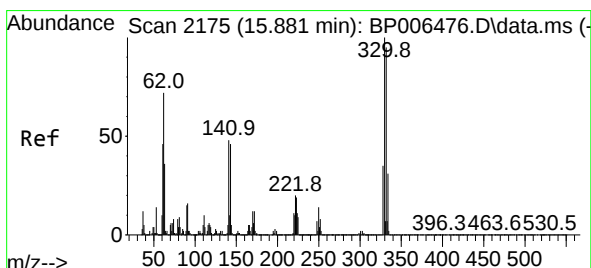
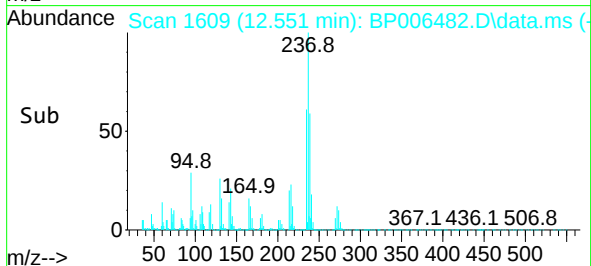
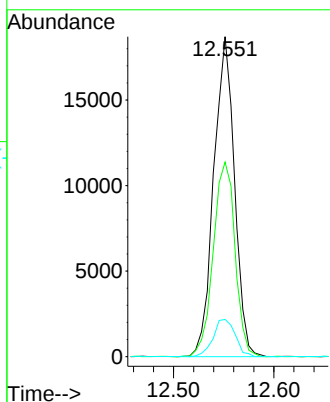
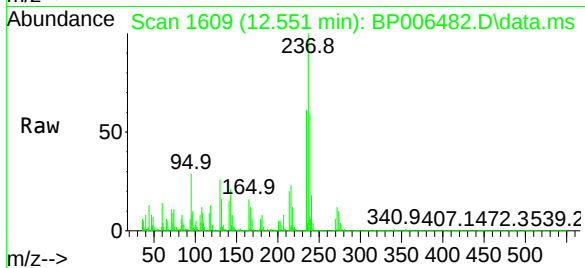




#41  
Hexachlorocyclopentadiene  
Concen: 6.516 ng  
RT: 12.551 min Scan# 1609  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

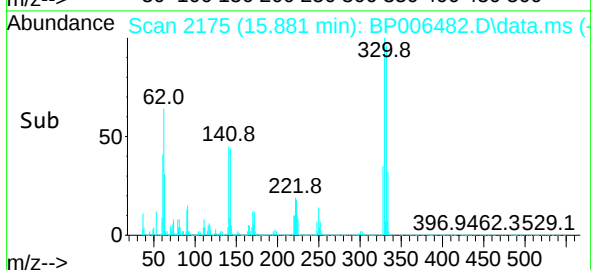
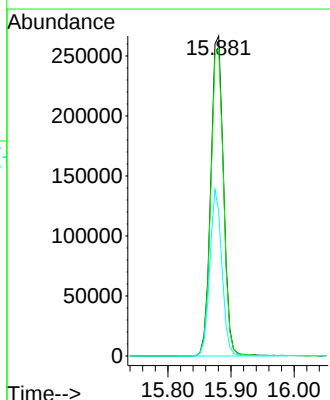
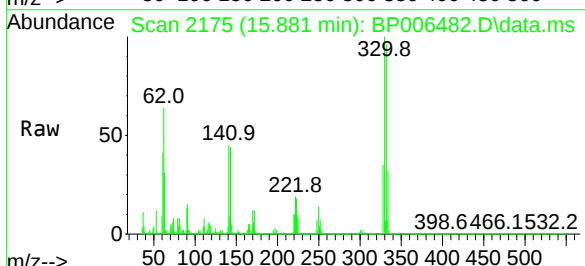
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

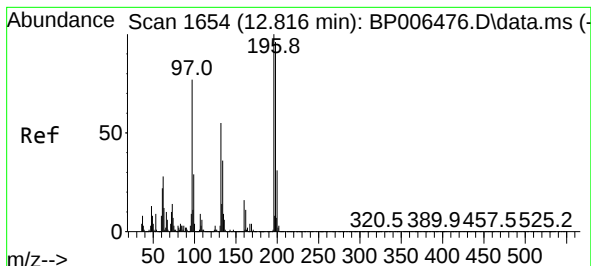
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 26811 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 60.8  | 44.5  | 84.5  |
| 272      | 11.6  | 0.0   | 32.5  |



#42  
2,4,6-Tribromophenol  
Concen: 120.198 ng  
RT: 15.881 min Scan# 2175  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 372348 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 95.9  | 77.8  | 116.8  |
| 141      | 49.6  | 25.4  | 38.2#  |

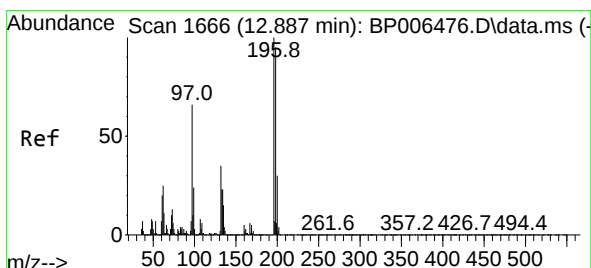
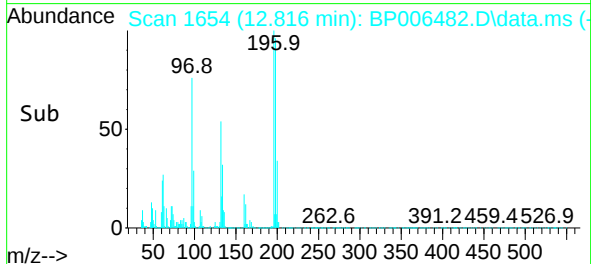
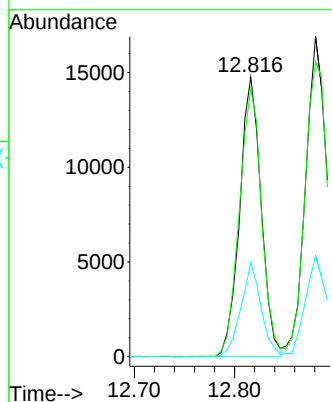
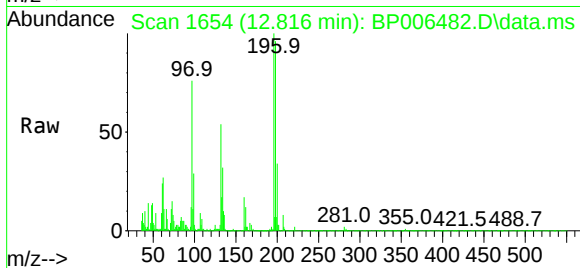




#43  
2,4,6-Trichlorophenol  
Concen: 4.145 ng  
RT: 12.816 min Scan# 1654  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

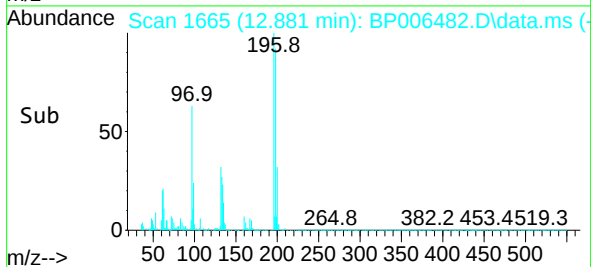
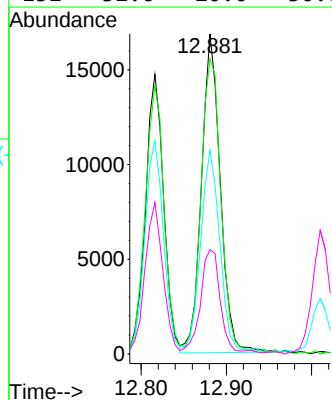
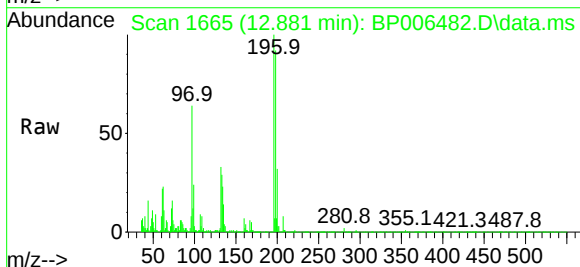
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

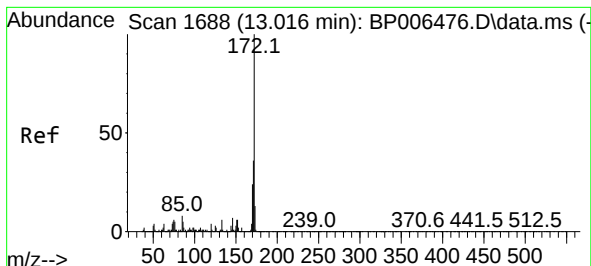
Tgt Ion:196 Resp: 21956  
Ion Ratio Lower Upper  
196 100  
198 95.8 79.5 119.3  
200 33.6 25.0 37.6



#44  
2,4,5-Trichlorophenol  
Concen: 4.410 ng  
RT: 12.881 min Scan# 1665  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:196 Resp: 25857  
Ion Ratio Lower Upper  
196 100  
198 92.2 74.7 112.1  
97 63.6 37.4 56.0#  
132 32.6 20.0 30.0#

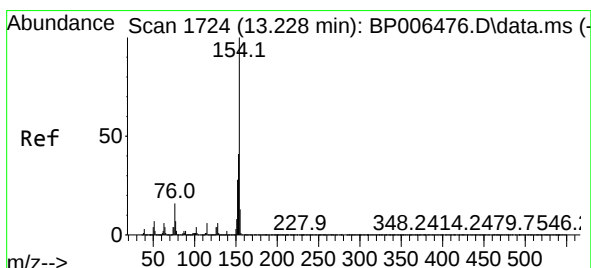
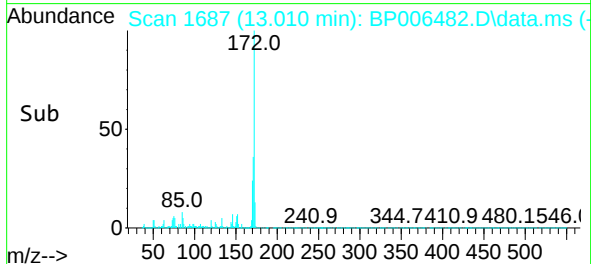
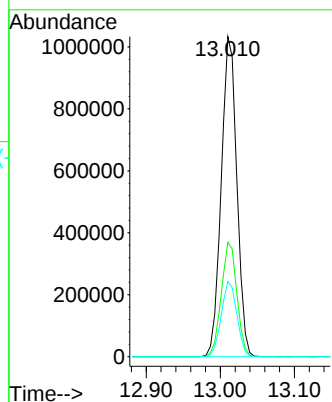
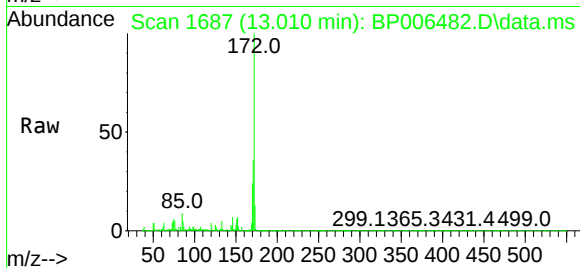




#45  
2-Fluorobiphenyl  
Concen: 76.133 ng  
RT: 13.010 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

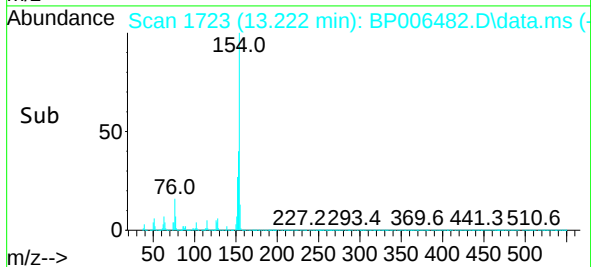
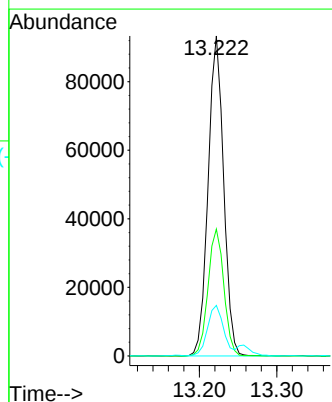
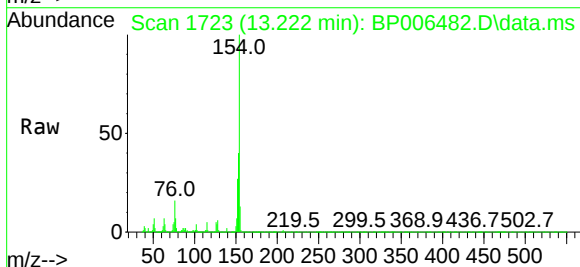
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

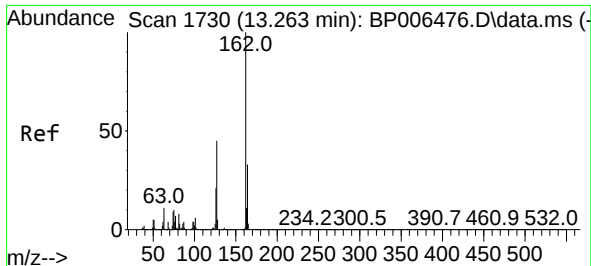
Tgt Ion:172 Resp: 1508318  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.9 41.9  
170 23.6 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 5.780 ng  
RT: 13.222 min Scan# 1723  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:154 Resp: 129671  
Ion Ratio Lower Upper  
154 100  
153 39.7 20.4 60.4  
76 15.8 0.0 30.8

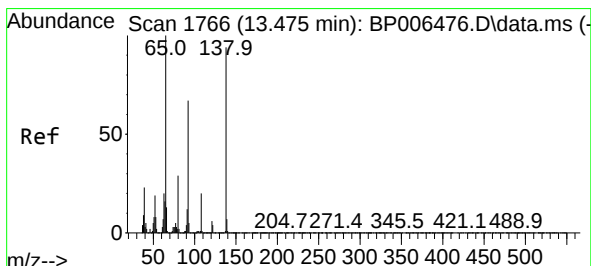
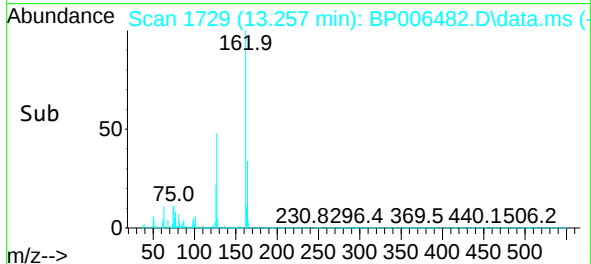
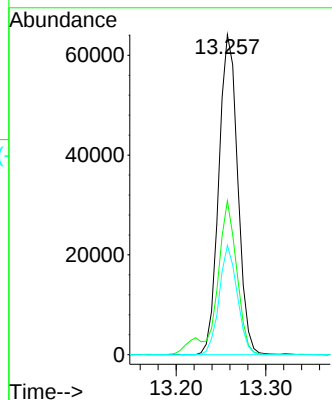
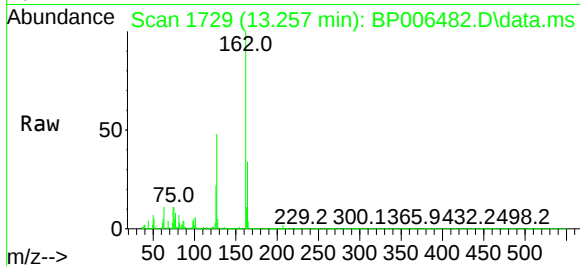




#47  
2-Chloronaphthalene  
Concen: 5.441 ng  
RT: 13.257 min Scan# 1729  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

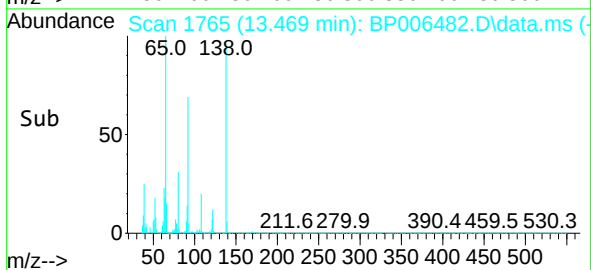
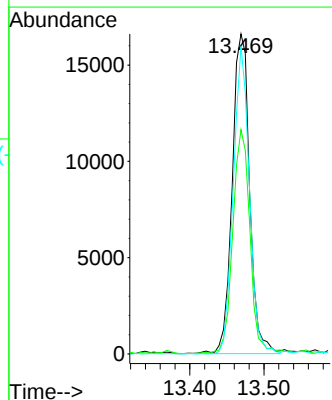
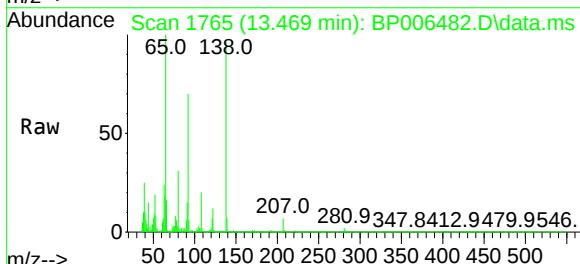
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

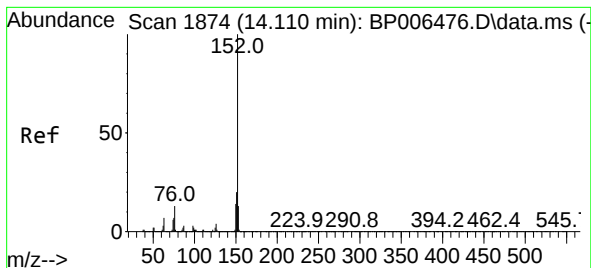
Tgt Ion:162 Resp: 94000  
Ion Ratio Lower Upper  
162 100  
127 48.1 31.4 47.0#  
164 34.1 26.6 39.8



#48  
2-Nitroaniline  
Concen: 4.449 ng  
RT: 13.469 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion: 65 Resp: 27124  
Ion Ratio Lower Upper  
65 100  
92 70.1 57.7 86.5  
138 96.1 92.1 138.1





#49

Acenaphthylene

Concen: 5.195 ng

RT: 14.104 min Scan# 1873

Delta R.T. -0.006 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

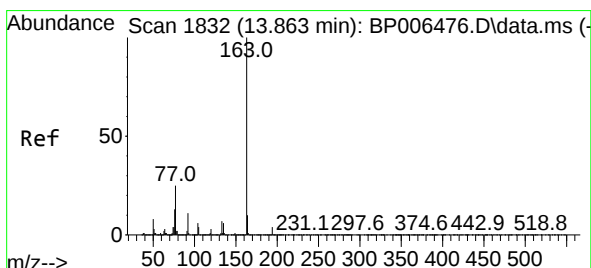
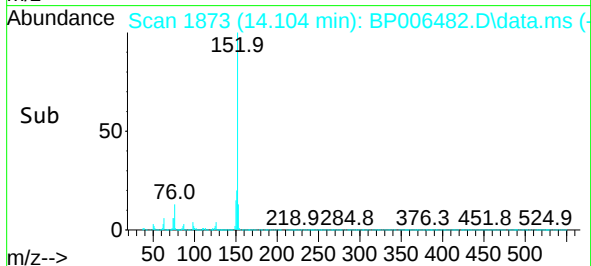
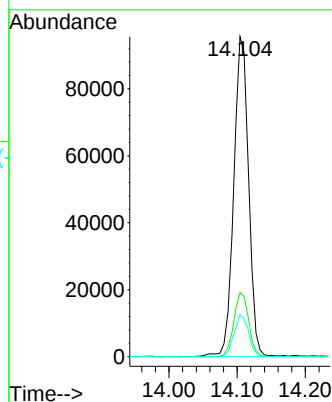
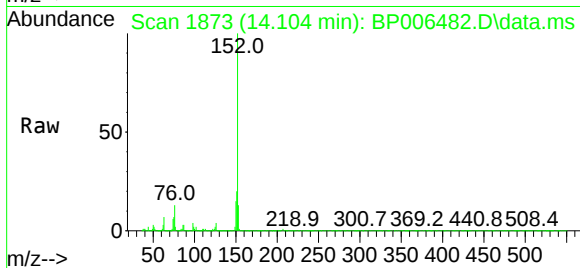
Tgt Ion:152 Resp: 144713

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 5.321 ng

RT: 13.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

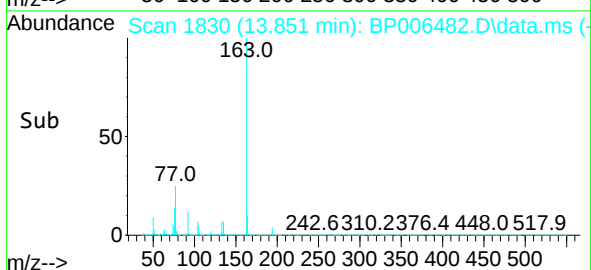
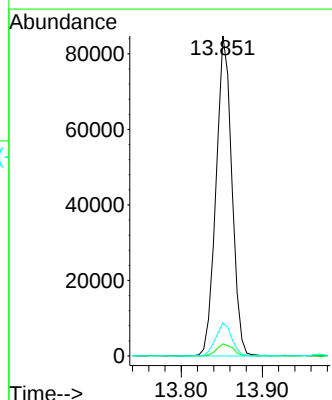
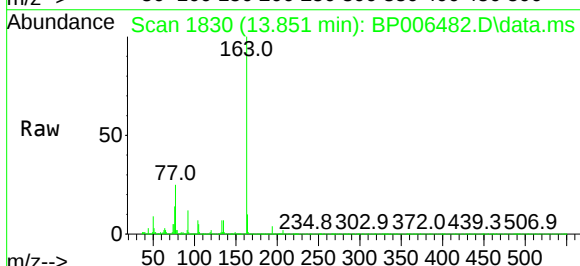
Tgt Ion:163 Resp: 114812

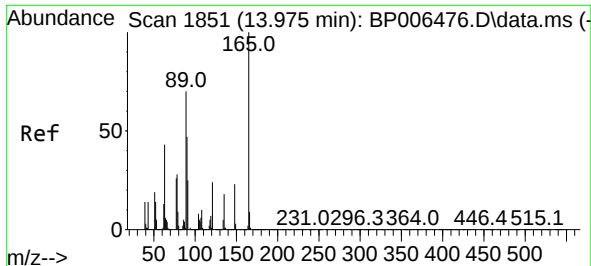
Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

164 10.3 8.2 12.2

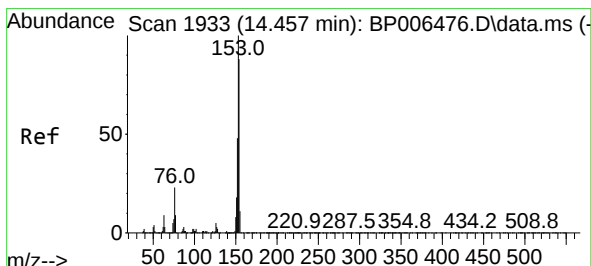
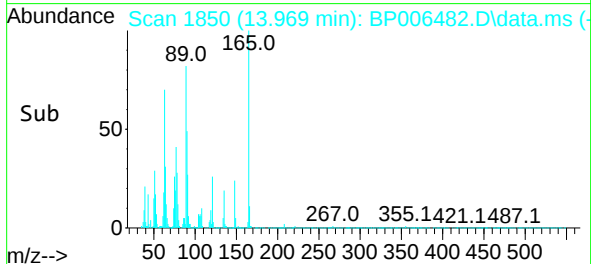
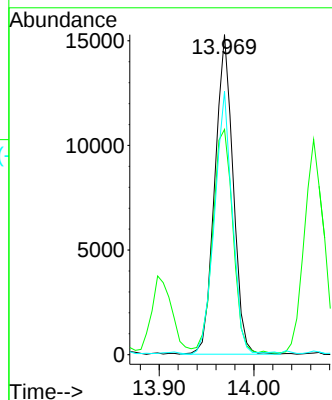
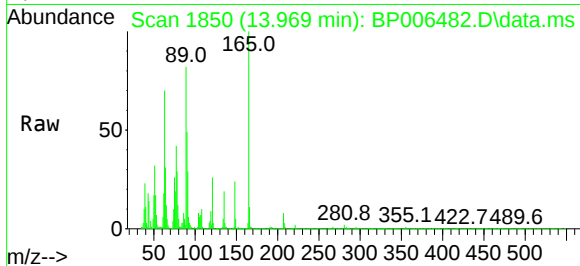




#51  
2,6-Dinitrotoluene  
Concen: 4.260 ng  
RT: 13.969 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

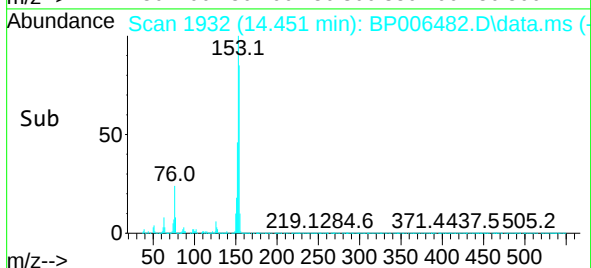
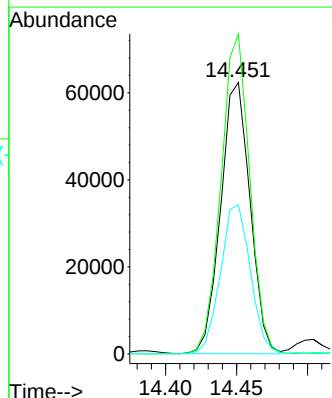
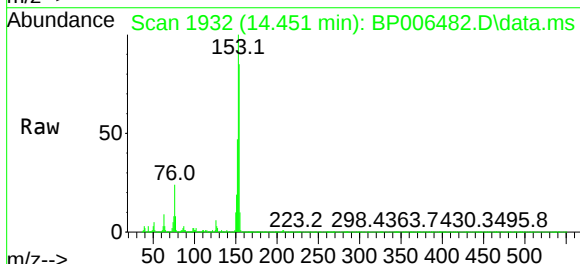
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

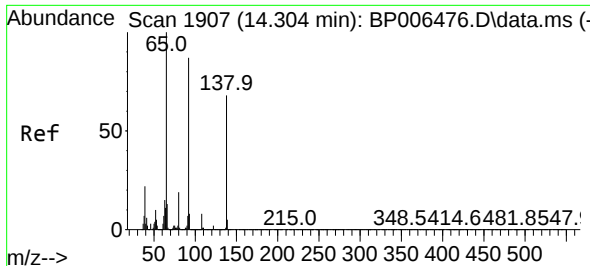
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 20508      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 70.4  | 41.3 61.9# |
| 89          | 82.2  | 44.8 67.2# |



#52  
Acenaphthene  
Concen: 5.285 ng  
RT: 14.451 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 89612      |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 117.8 | 89.4 134.2 |
| 152         | 54.9  | 43.0 64.4  |

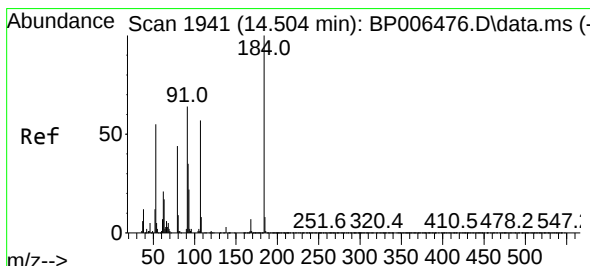
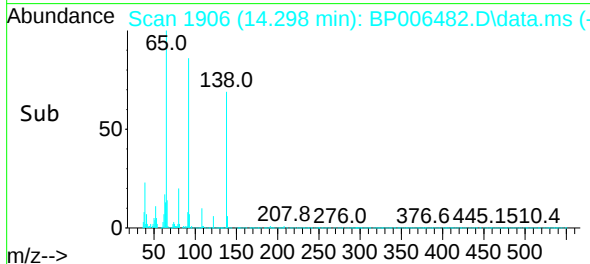
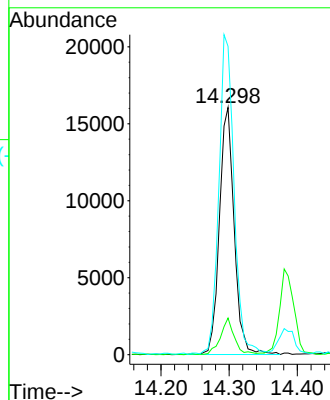
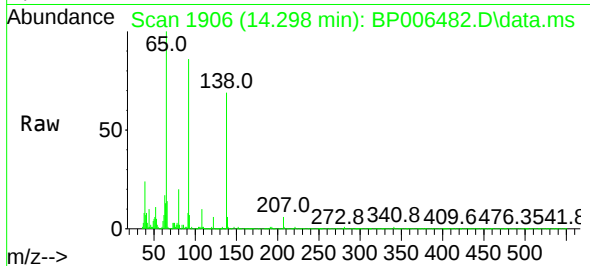




#53  
3-Nitroaniline  
Concen: 4.536 ng  
RT: 14.298 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

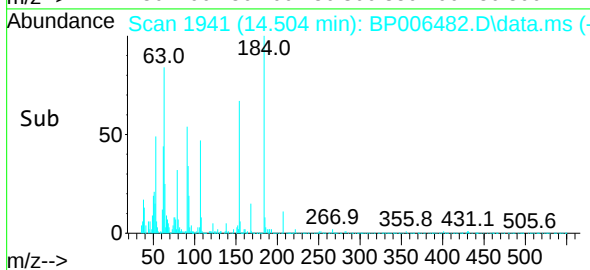
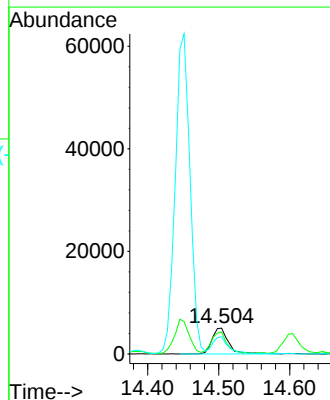
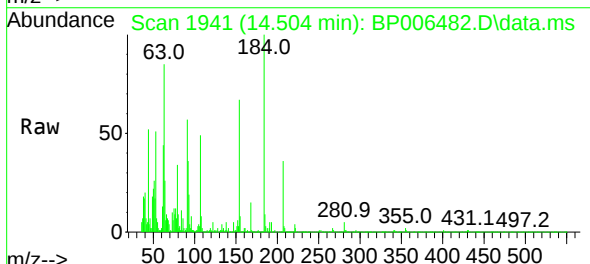
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

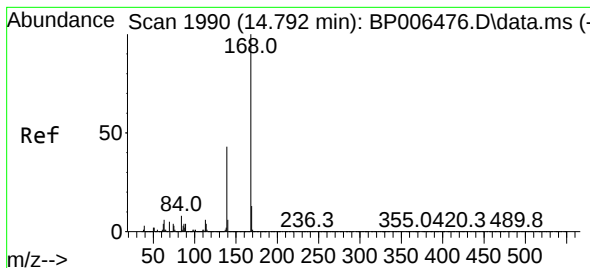
Tgt Ion:138 Resp: 24211  
Ion Ratio Lower Upper  
138 100  
108 14.8 8.4 12.6#  
92 124.8 87.8 131.8



#54  
2,4-Dinitrophenol  
Concen: 3.197 ng  
RT: 14.504 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:184 Resp: 8050  
Ion Ratio Lower Upper  
184 100  
63 84.8 47.0 70.6#  
154 66.6 52.3 78.5

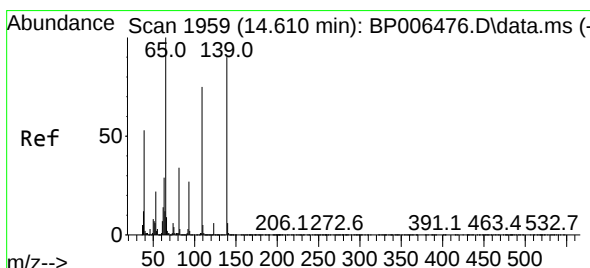
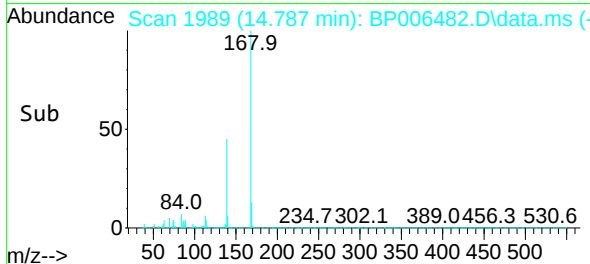
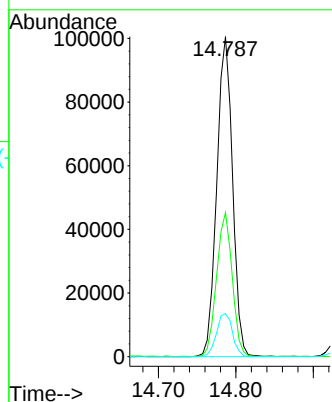
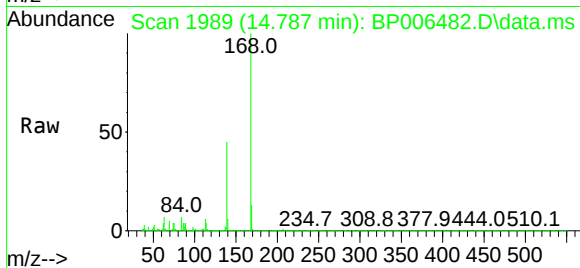




#55  
Dibenzofuran  
Concen: 5.331 ng  
RT: 14.787 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

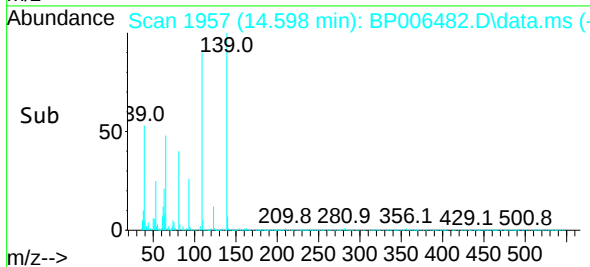
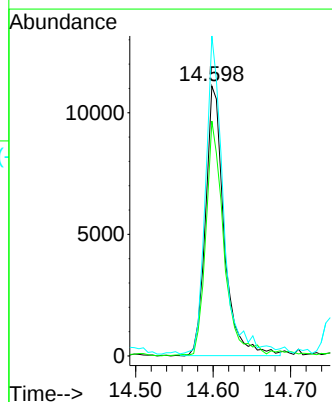
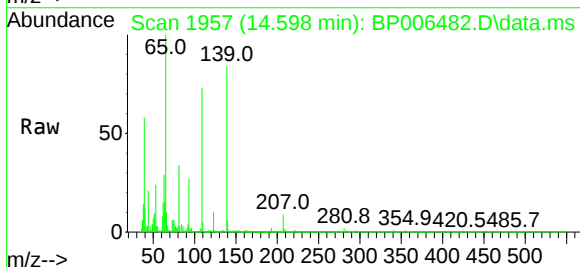
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

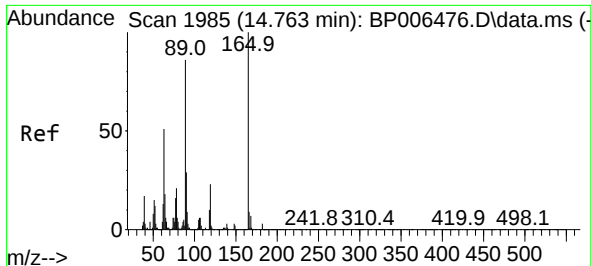
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 142169 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 45.1  | 31.0  | 46.6   |
| 169       | 13.4  | 10.8  | 16.2   |



#56  
4-Nitrophenol  
Concen: 3.974 ng  
RT: 14.598 min Scan# 1957  
Delta R.T. -0.012 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 18416  |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 87.1  | 72.3  | 112.3  |
| 65        | 118.7 | 72.5  | 112.5# |

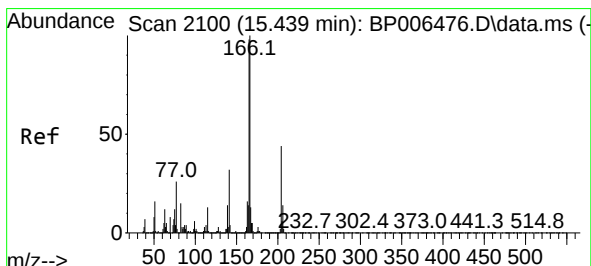
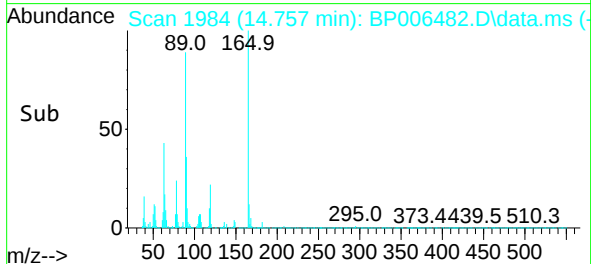
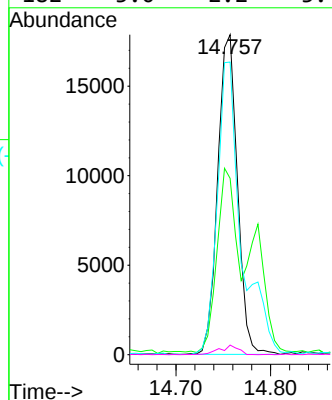
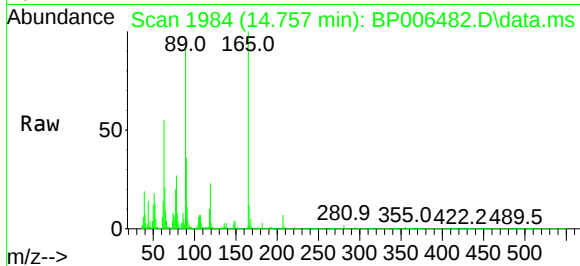




#57  
2,4-Dinitrotoluene  
Concen: 4.001 ng  
RT: 14.757 min Scan# 1984  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

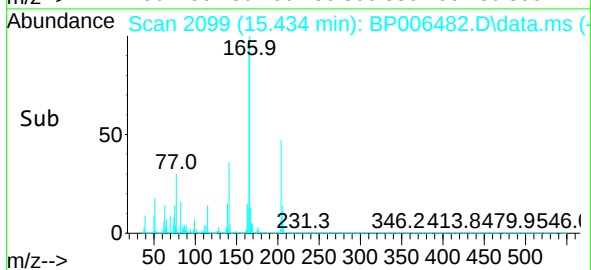
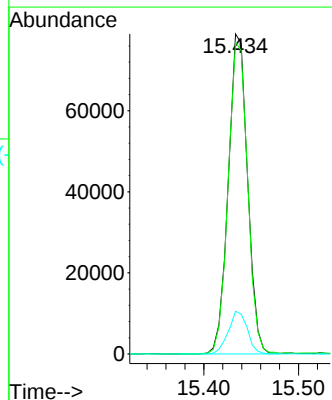
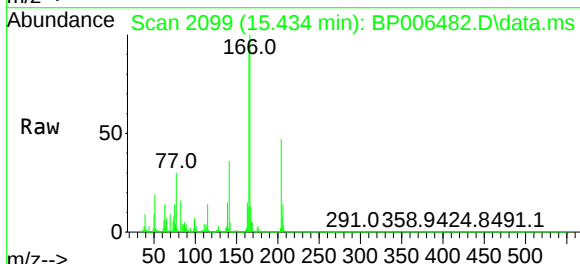
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

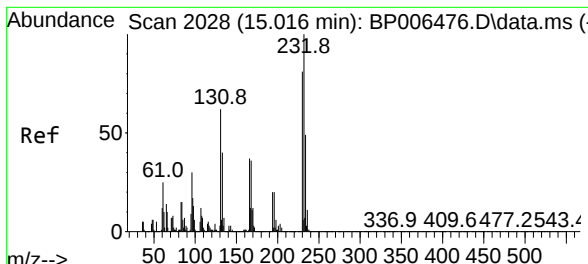
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 25836 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 55.1  | 32.3  | 48.5# |
| 89        | 91.5  | 55.9  | 83.9# |
| 182       | 3.0   | 2.2   | 3.4   |



#58  
Fluorene  
Concen: 5.227 ng  
RT: 15.434 min Scan# 2099  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 111409 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 97.5  | 78.0  | 117.0  |
| 167       | 13.4  | 10.5  | 15.7   |

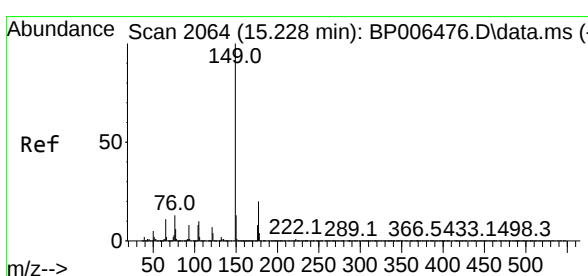
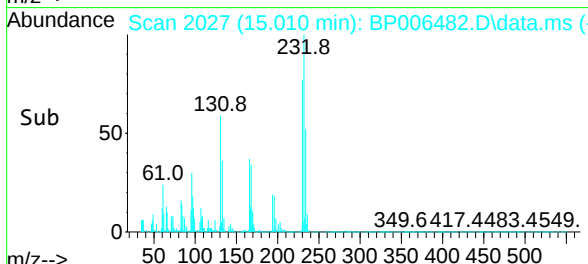
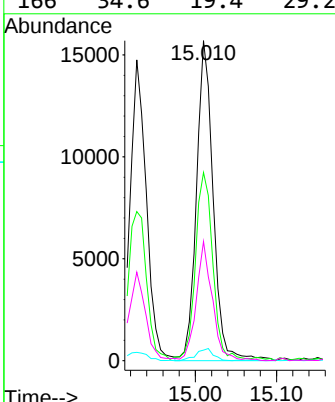
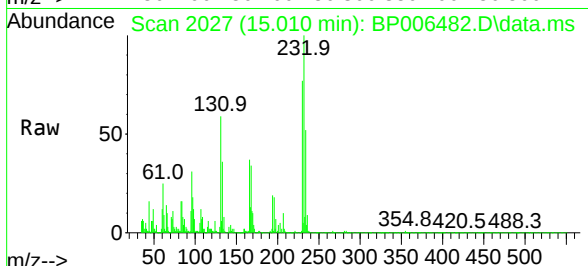




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.571 ng  
 RT: 15.010 min Scan# 2027  
 Delta R.T. -0.006 min  
 Lab File: BP006482.D  
 Acq: 03 Aug 2021 17:34

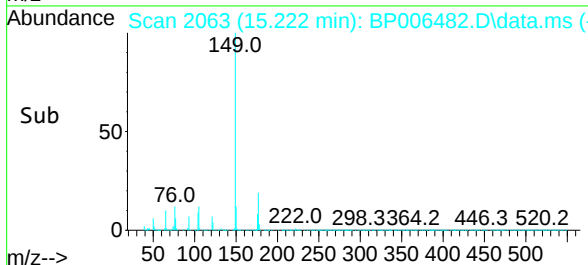
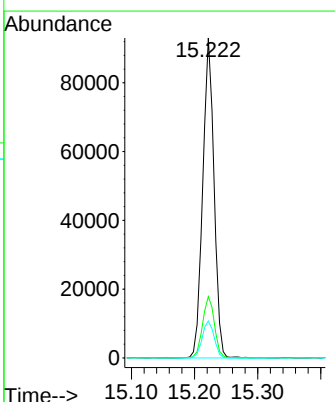
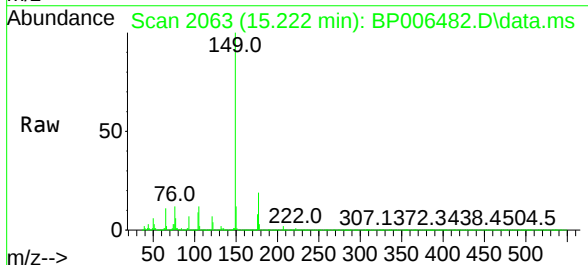
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2021

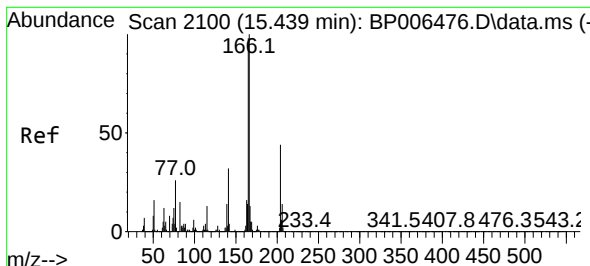
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 22462 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 59.9  | 32.2  | 48.4# |
| 130       | 3.9   | 2.0   | 3.0#  |
| 166       | 34.6  | 19.4  | 29.2# |



#60  
 Diethylphthalate  
 Concen: 5.094 ng  
 RT: 15.222 min Scan# 2063  
 Delta R.T. -0.006 min  
 Lab File: BP006482.D  
 Acq: 03 Aug 2021 17:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 115448 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 19.2  | 17.5  | 26.3   |
| 150       | 11.6  | 9.9   | 14.9   |

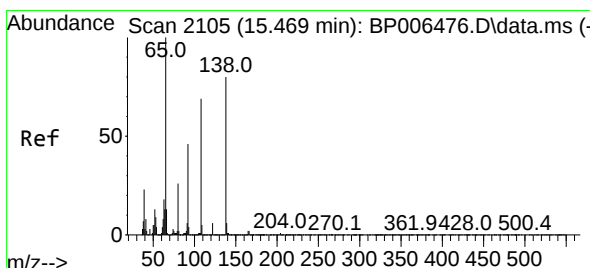
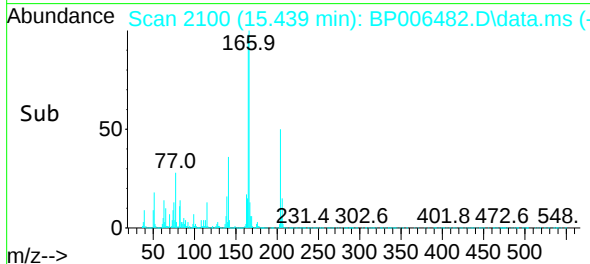
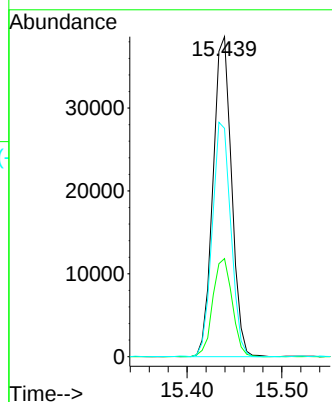
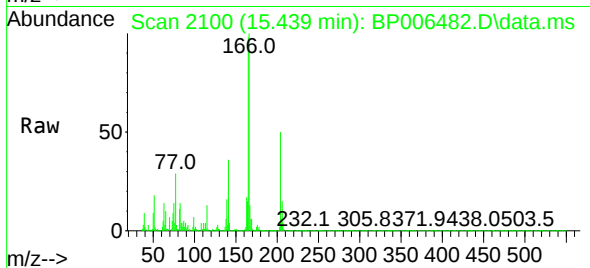




#61  
4-Chlorophenyl-phenylether  
Concen: 5.449 ng  
RT: 15.439 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

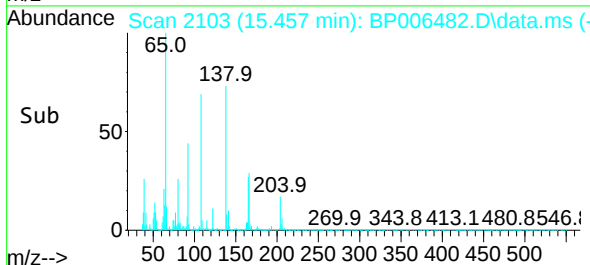
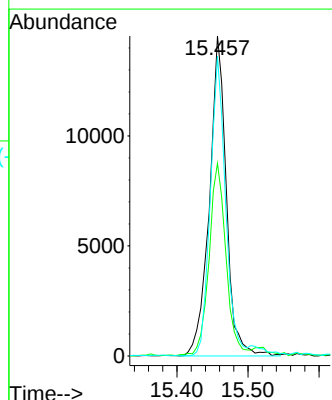
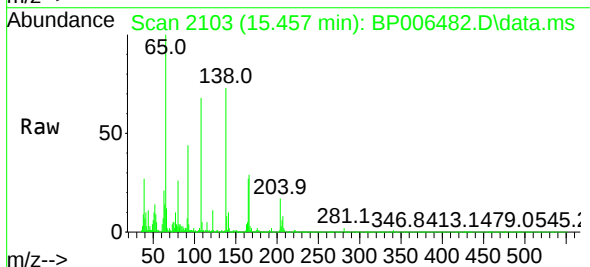
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

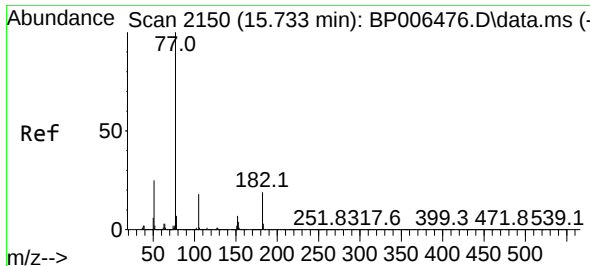
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 204   | Resp: | 52604 |
| Ion Ratio | Lower | Upper |       |
| 204       | 100   |       |       |
| 206       | 30.7  | 26.6  | 40.0  |
| 141       | 71.3  | 48.6  | 73.0  |



#62  
4-Nitroaniline  
Concen: 4.278 ng  
RT: 15.457 min Scan# 2103  
Delta R.T. -0.012 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 24228 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 60.3  | 31.2  | 71.2  |
| 108       | 93.7  | 78.6  | 118.6 |

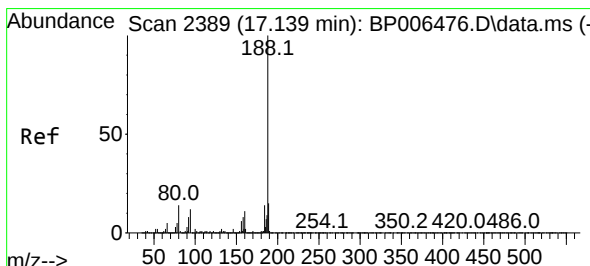
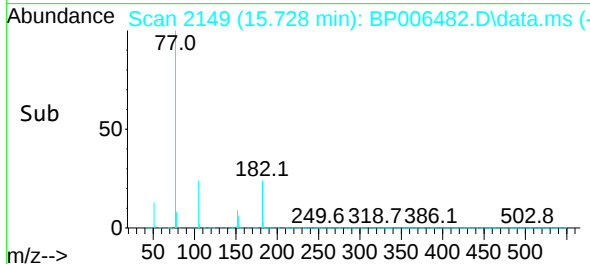
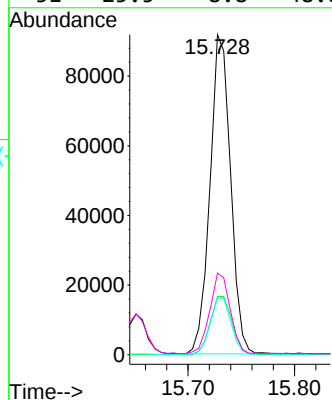
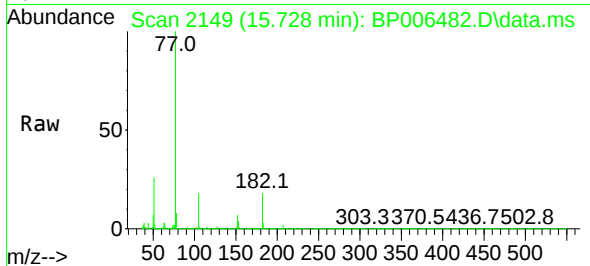




#63  
Azobenzene  
Concen: 4.656 ng  
RT: 15.728 min Scan# 2149  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

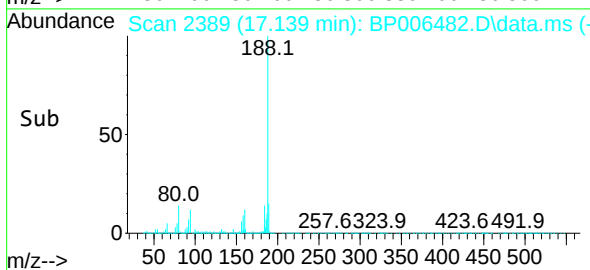
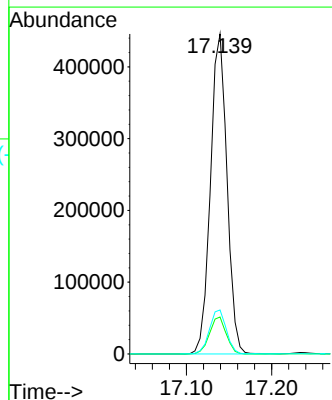
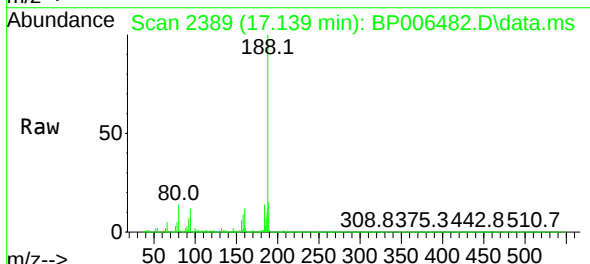
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

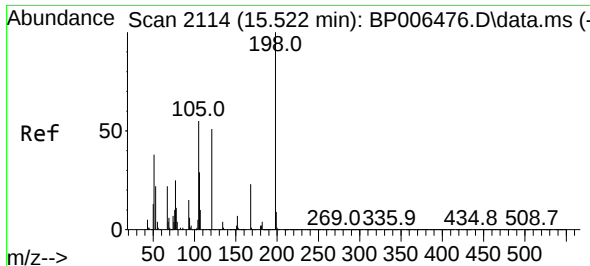
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 123020 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 18.2    | 6.0 46.0     |
| 105 17.7    | 0.0 38.8     |
| 51 25.5     | 8.8 48.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.139 min Scan# 2389  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 601726 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 11.6      | 5.6 8.4#     |
| 80 13.7      | 6.3 9.5#     |

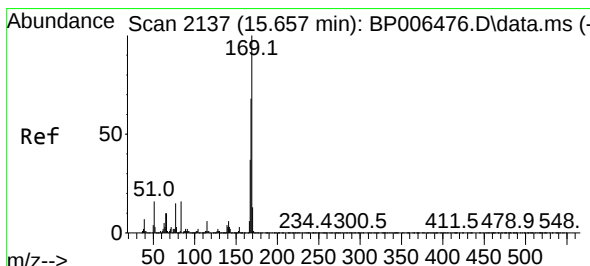
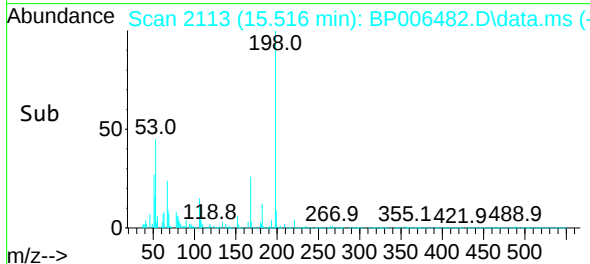
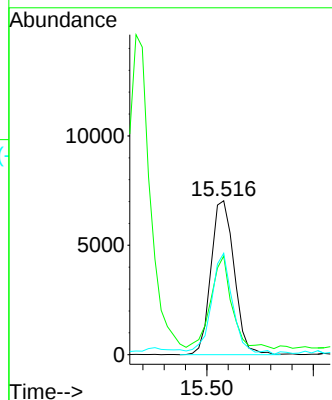
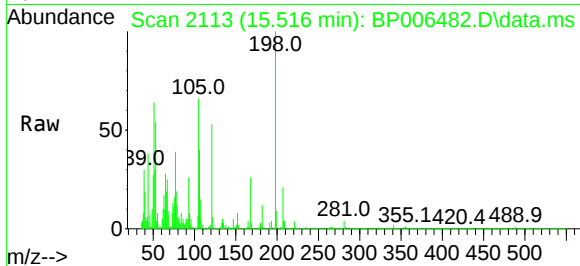




#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.895 ng  
RT: 15.516 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

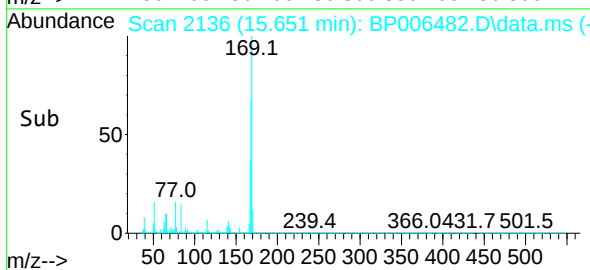
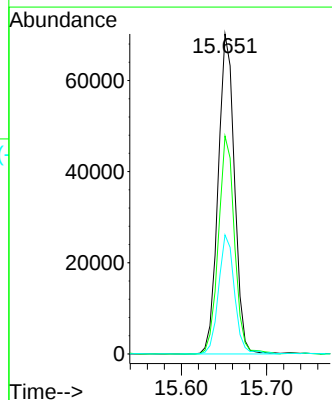
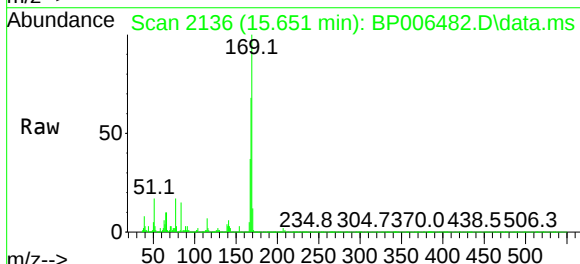
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

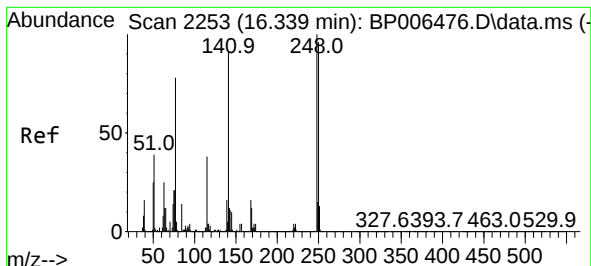
Tgt Ion:198 Resp: 10645  
Ion Ratio Lower Upper  
198 100  
51 64.2 14.0 54.0#  
105 65.9 19.5 59.5#



#66  
n-Nitrosodiphenylamine  
Concen: 4.941 ng  
RT: 15.651 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:169 Resp: 93443  
Ion Ratio Lower Upper  
169 100  
168 68.1 54.4 81.6  
167 37.2 29.0 43.6

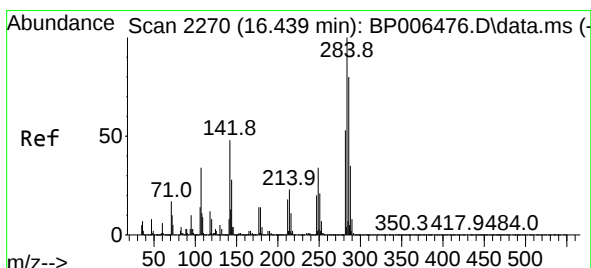
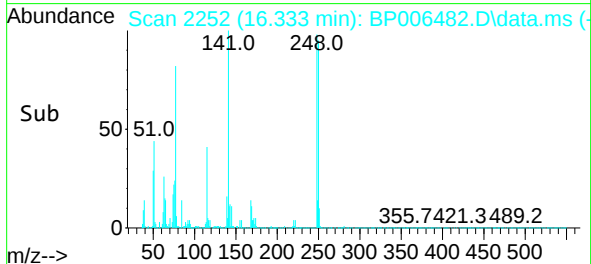
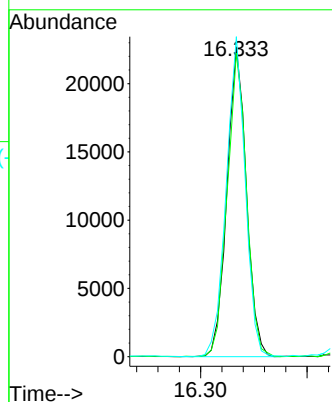
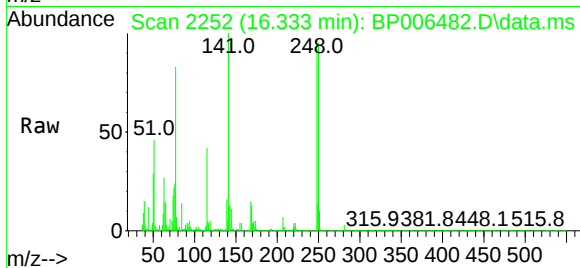




#67  
4-Bromophenyl-phenylether  
Concen: 4.957 ng  
RT: 16.333 min Scan# 2252  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

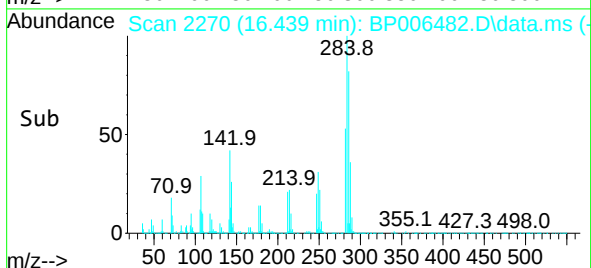
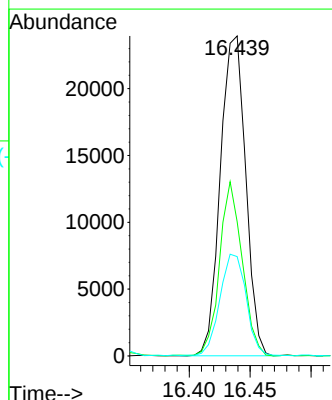
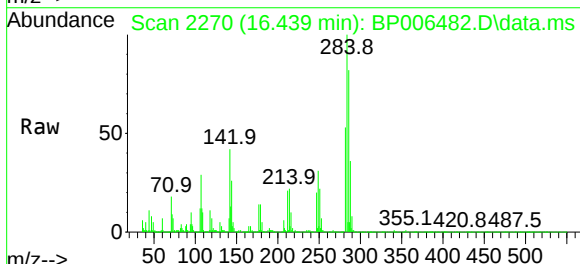
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

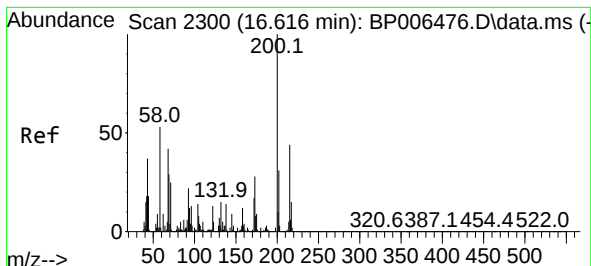
Tgt Ion:248 Resp: 28620  
Ion Ratio Lower Upper  
248 100  
250 98.0 79.8 119.8  
141 103.2 57.8 86.6#



#68  
Hexachlorobenzene  
Concen: 5.271 ng  
RT: 16.439 min Scan# 2270  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:284 Resp: 34630  
Ion Ratio Lower Upper  
284 100  
142 41.9 26.9 40.3#  
249 34.0 24.5 36.7





#69

Atrazine

Concen: 5.039 ng

RT: 16.610 min Scan# 2299

Delta R.T. -0.006 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

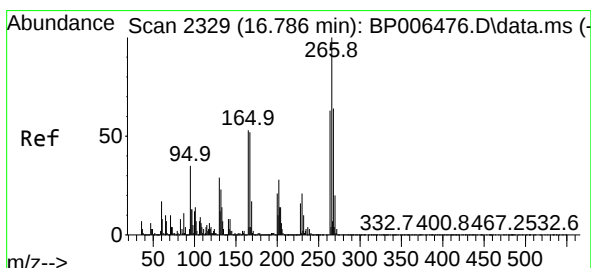
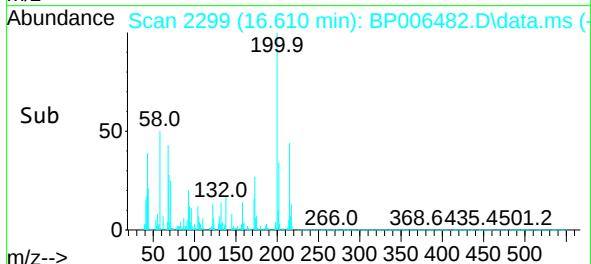
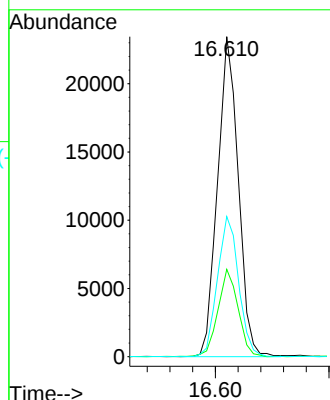
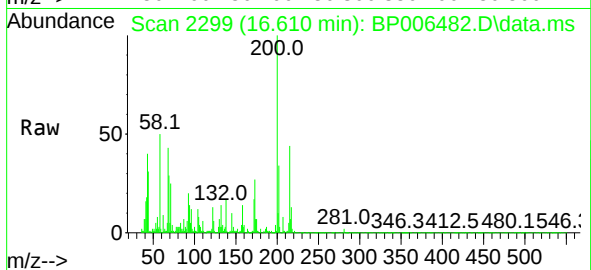
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 29739 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.3  | 4.1   | 44.1  |
| 215       | 43.8  | 27.7  | 67.7  |

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021



#70

Pentachlorophenol

Concen: 4.072 ng

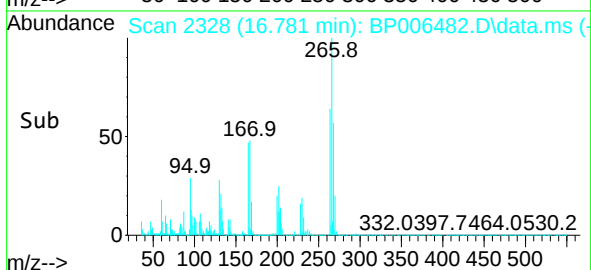
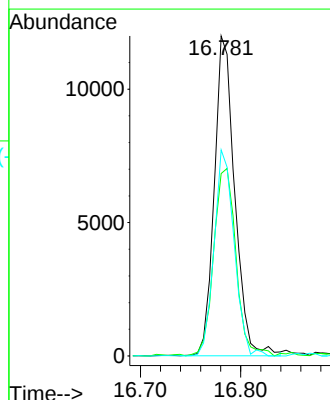
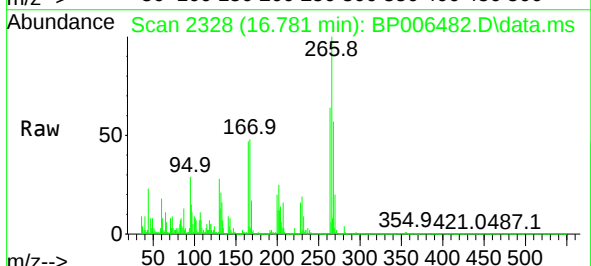
RT: 16.781 min Scan# 2328

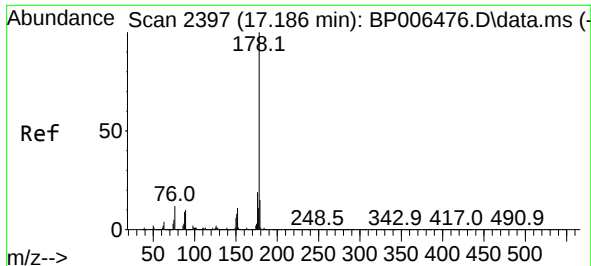
Delta R.T. -0.006 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 16974 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 59.9  | 51.6  | 77.4  |
| 264       | 64.4  | 50.3  | 75.5  |

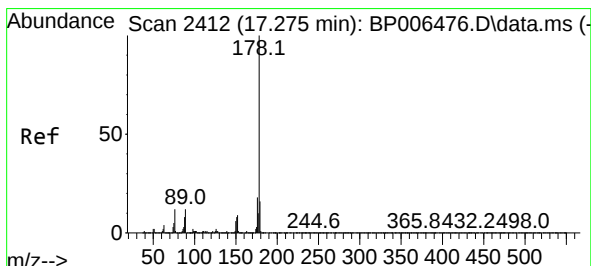
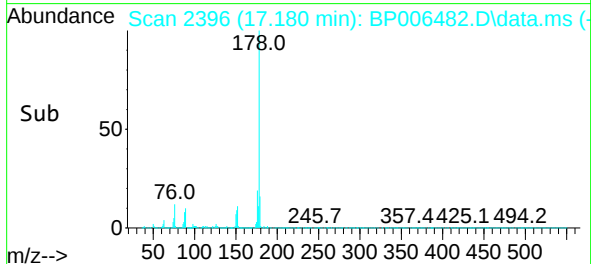
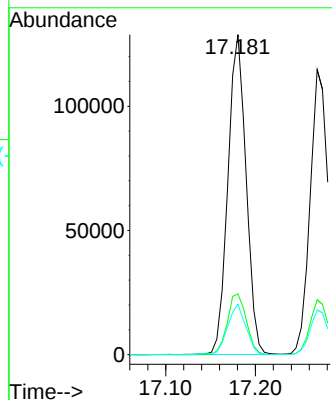
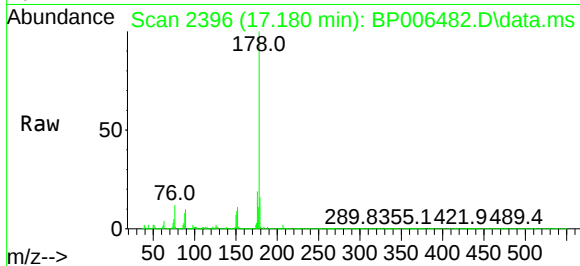




#71  
Phenanthrene  
Concen: 5.337 ng  
RT: 17.180 min Scan# 2396  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

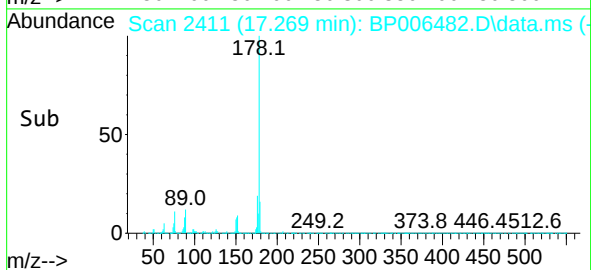
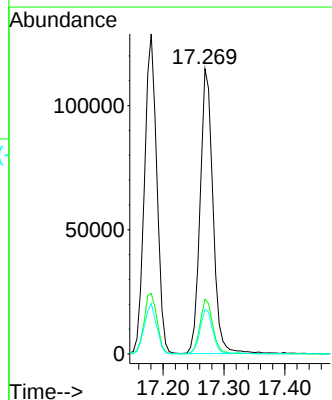
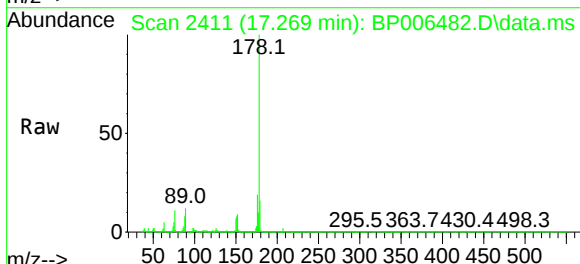
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

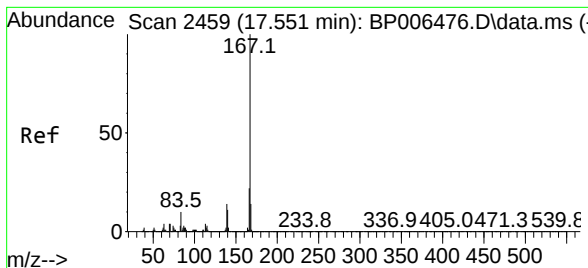
Tgt Ion:178 Resp: 181144  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.7 12.4 18.6



#72  
Anthracene  
Concen: 5.133 ng  
RT: 17.269 min Scan# 2411  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:178 Resp: 168356  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.9 22.3  
179 15.7 12.2 18.2





#73

Carbazole

Concen: 4.863 ng

RT: 17.545 min Scan# 2458

Delta R.T. -0.006 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

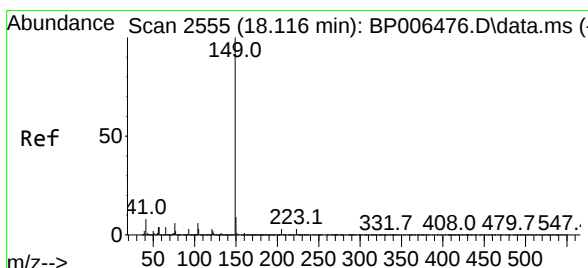
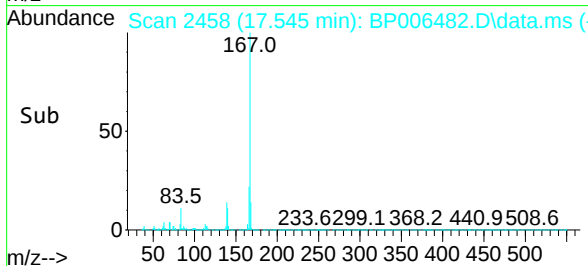
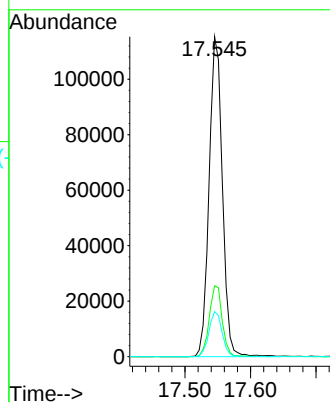
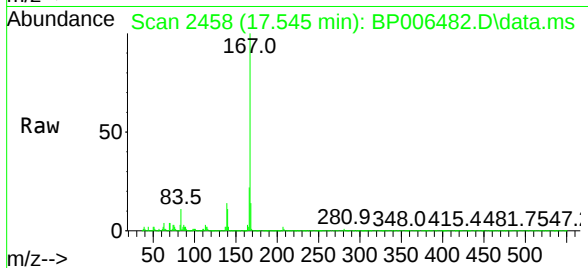
Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 162664 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 22.1    | 17.1 25.7    |
| 139 14.1    | 10.7 16.1    |



#74

Di-n-butylphthalate

Concen: 4.315 ng

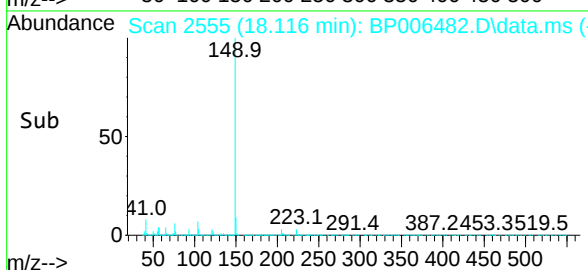
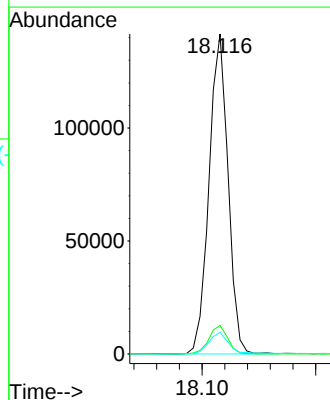
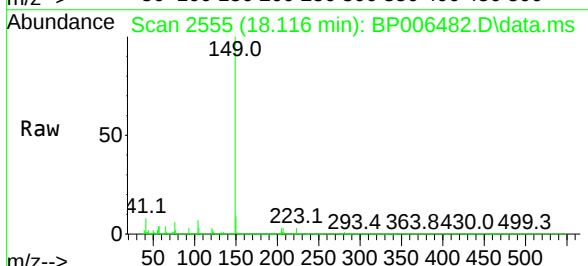
RT: 18.116 min Scan# 2555

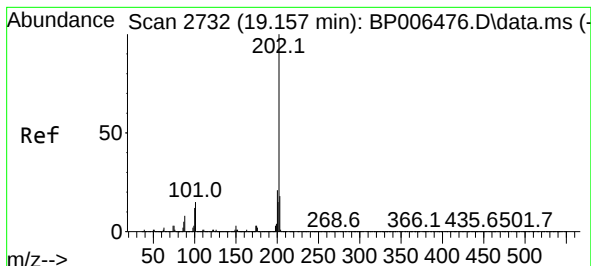
Delta R.T. 0.000 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 164456 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 150 8.9     | 7.3 10.9     |
| 104 6.7     | 4.5 6.7#     |

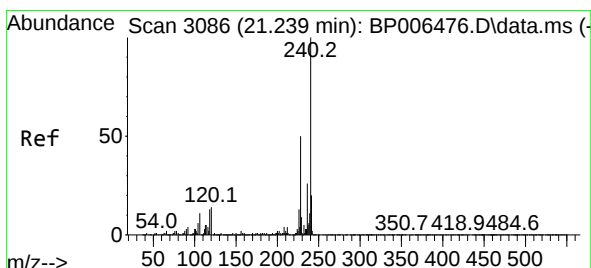
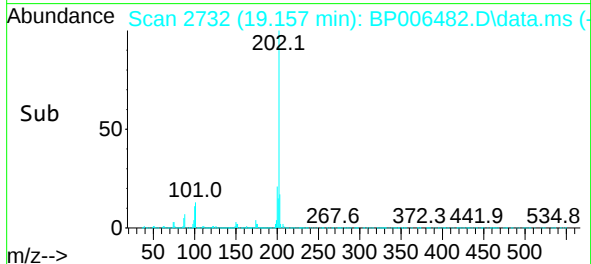
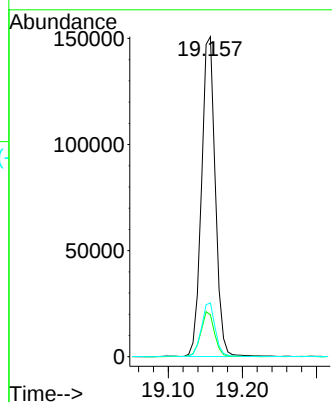
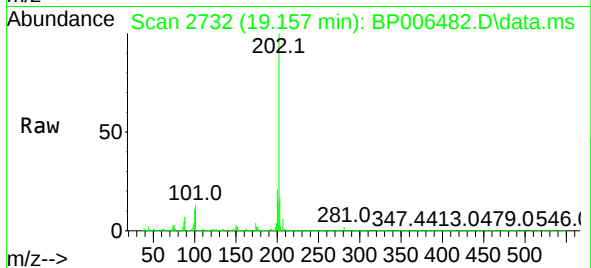




#75  
Fluoranthene  
Concen: 5.116 ng  
RT: 19.157 min Scan# 2732  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

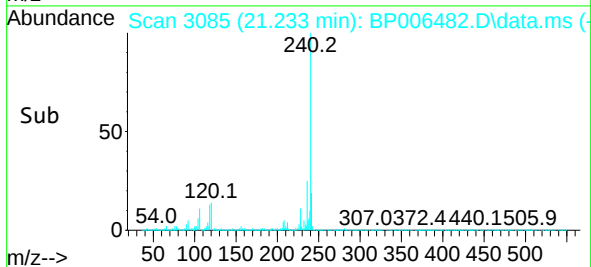
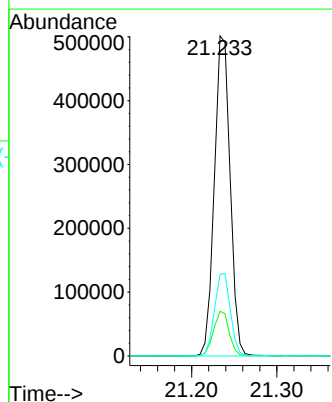
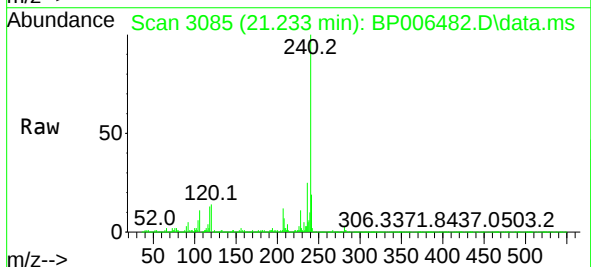
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

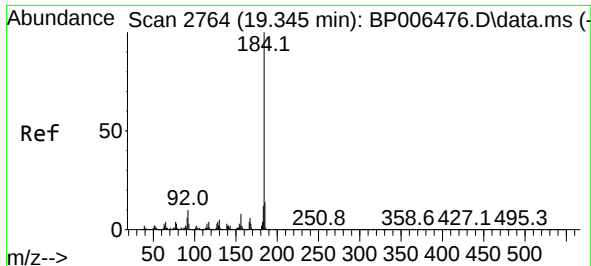
Tgt Ion:202 Resp: 194905  
Ion Ratio Lower Upper  
202 100  
101 13.1 0.0 27.6  
203 16.8 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.233 min Scan# 3085  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:240 Resp: 645889  
Ion Ratio Lower Upper  
240 100  
120 14.0 6.5 9.7#  
236 25.4 20.6 31.0

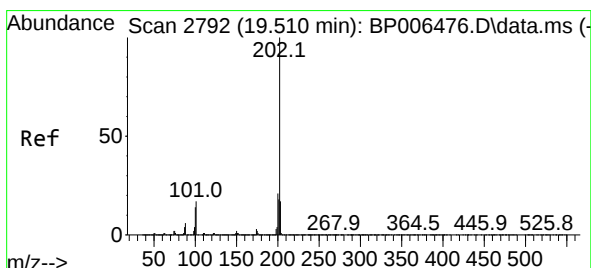
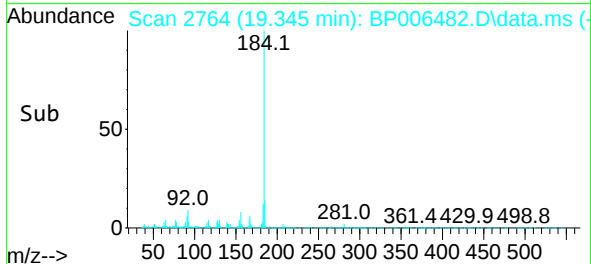
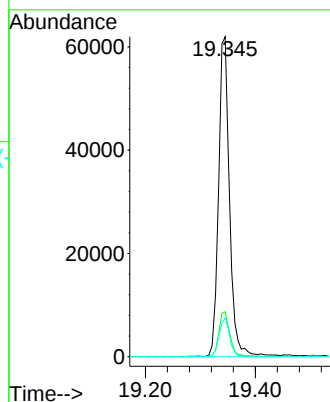
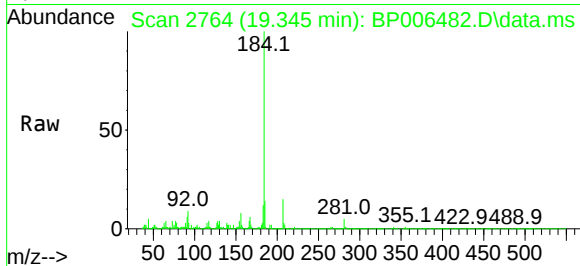




#77  
Benzidine  
Concen: 5.317 ng  
RT: 19.345 min Scan# 2764  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

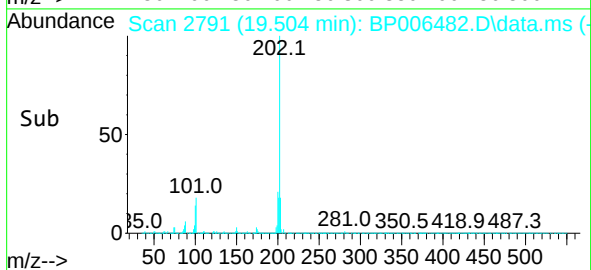
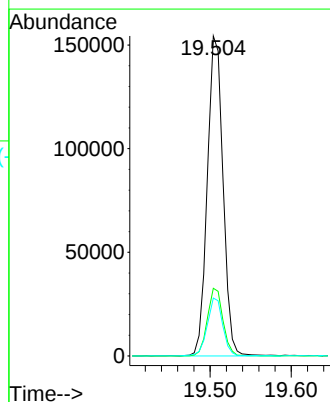
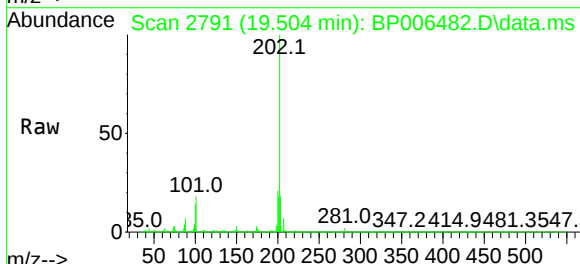
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

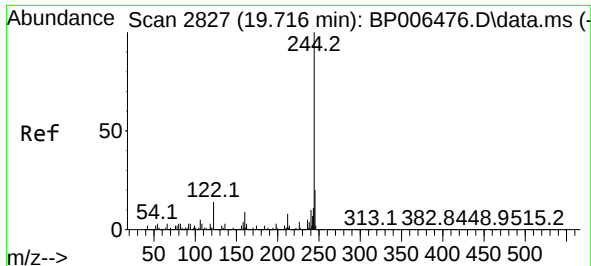
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 85930     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.1  | 11.0 16.4 |
| 183         | 12.1  | 9.5 14.3  |



#78  
Pyrene  
Concen: 4.800 ng  
RT: 19.504 min Scan# 2791  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 207074    |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.2  | 16.3 24.5 |
| 203         | 18.1  | 14.2 21.2 |

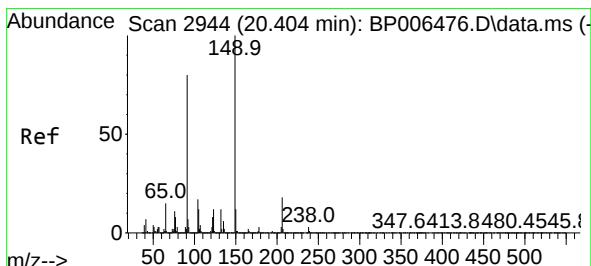
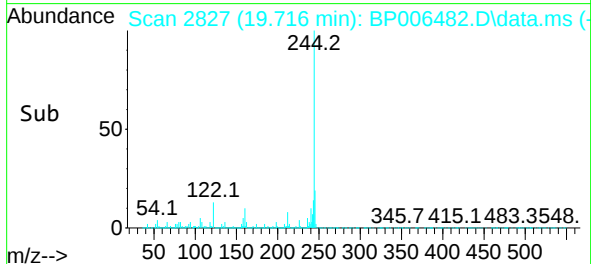
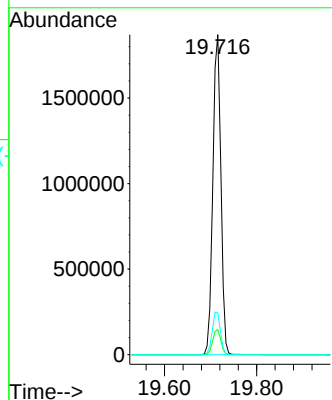
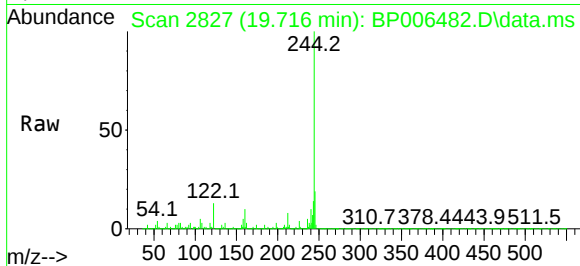




#79  
Terphenyl-d14  
Concen: 70.277 ng  
RT: 19.716 min Scan# 2827  
Delta R.T. 0.000 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

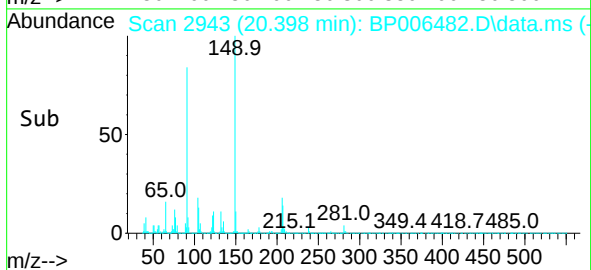
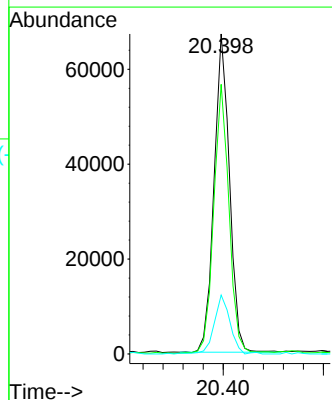
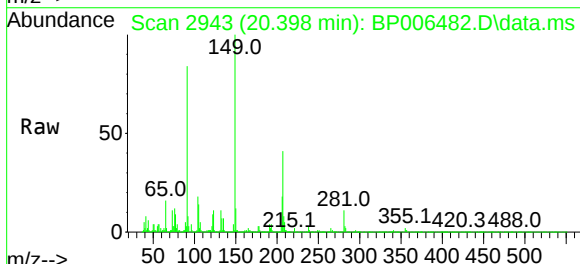
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

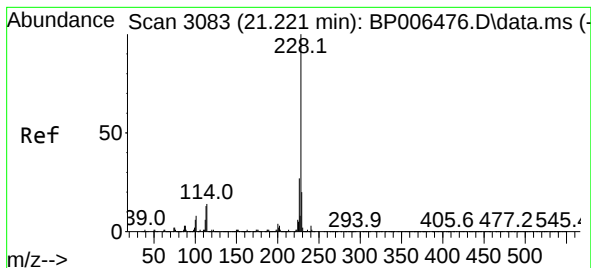
Tgt Ion:244 Resp: 2265278  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.0 9.0  
122 13.1 7.1 10.7#



#80  
Butylbenzylphthalate  
Concen: 3.770 ng  
RT: 20.398 min Scan# 2943  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:149 Resp: 71529  
Ion Ratio Lower Upper  
149 100  
91 84.2 54.6 81.8#  
206 18.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 5.029 ng

RT: 21.221 min Scan# 3083

Delta R.T. 0.000 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

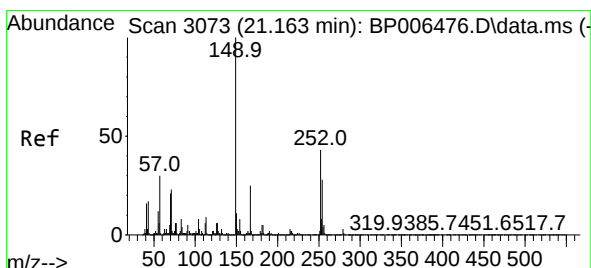
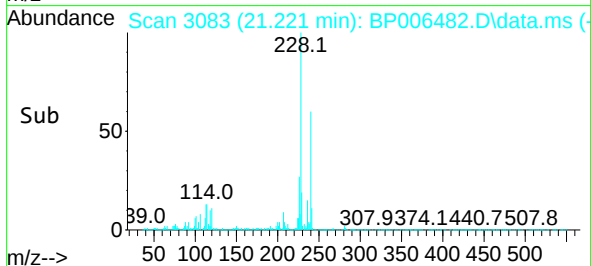
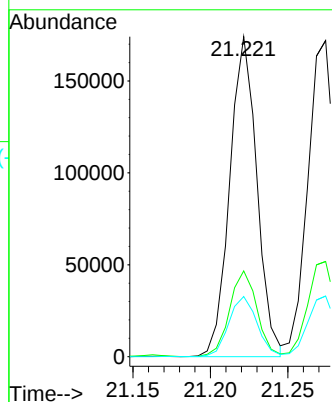
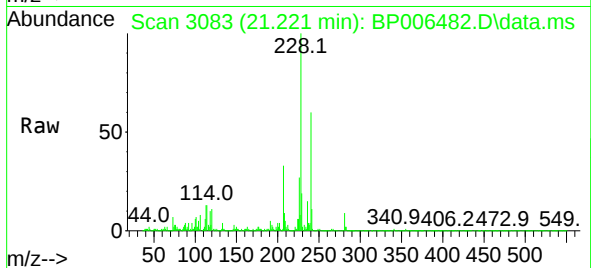
Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 212286    |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 26.8  | 21.6 32.4 |
| 229         | 18.8  | 15.8 23.6 |



#82

3,3'-Dichlorobenzidine

Concen: 5.979 ng

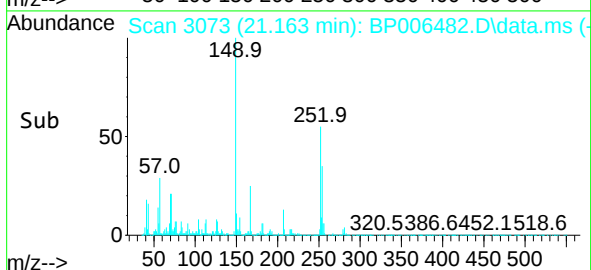
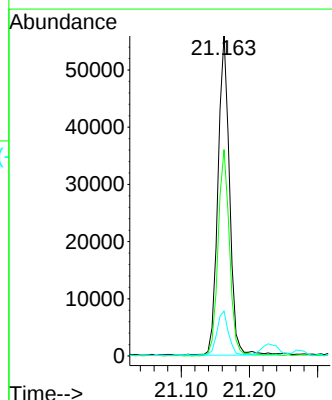
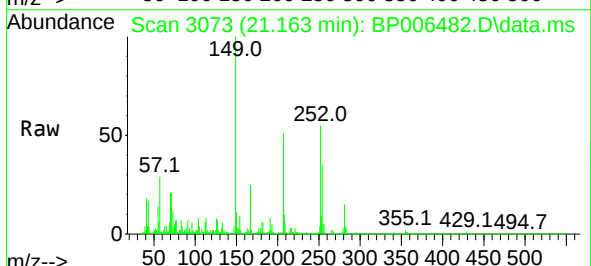
RT: 21.163 min Scan# 3073

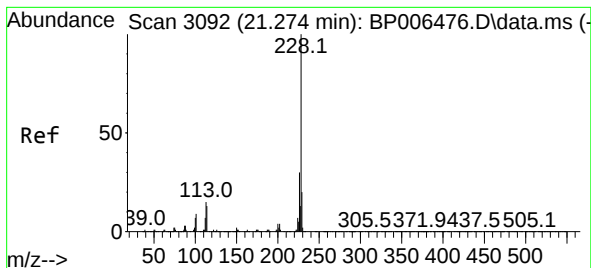
Delta R.T. 0.000 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 66254     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 254         | 64.5  | 50.6 76.0 |
| 126         | 14.0  | 7.0 10.6  |





#83

Chrysene

Concen: 5.342 ng

RT: 21.274 min Scan# 3092

Delta R.T. 0.000 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

Tgt Ion:228 Resp: 218593

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

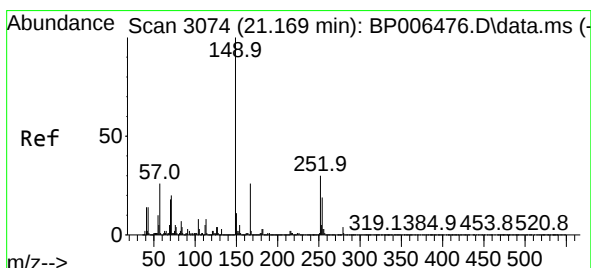
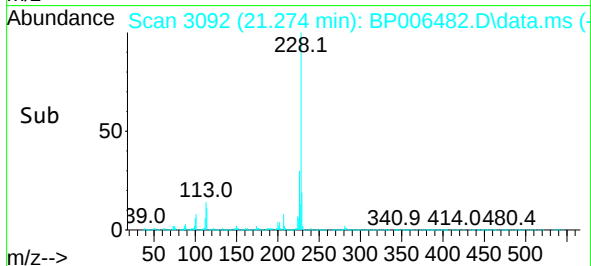
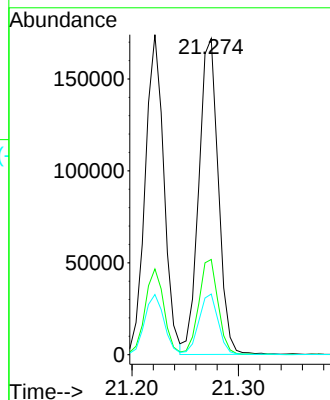
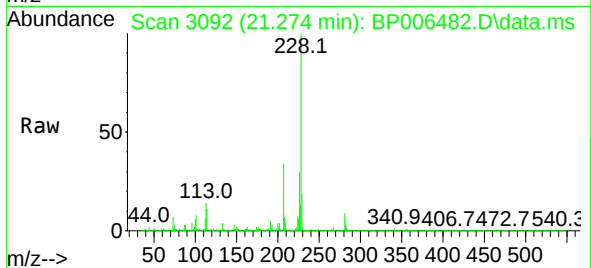
229 19.2 15.4 23.2

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2021



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.861 ng

RT: 21.163 min Scan# 3073

Delta R.T. -0.006 min

Lab File: BP006482.D

Acq: 03 Aug 2021 17:34

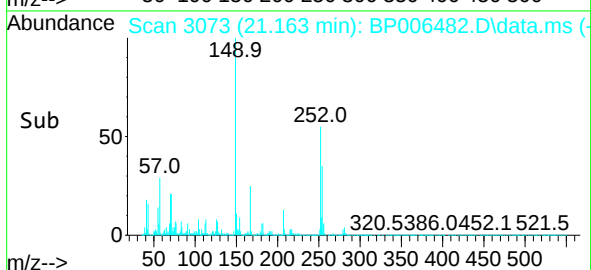
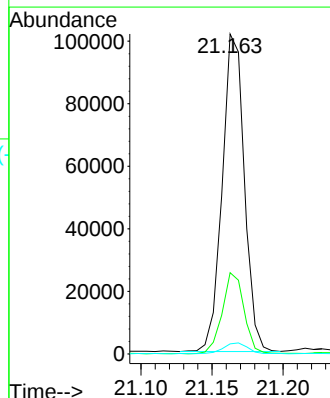
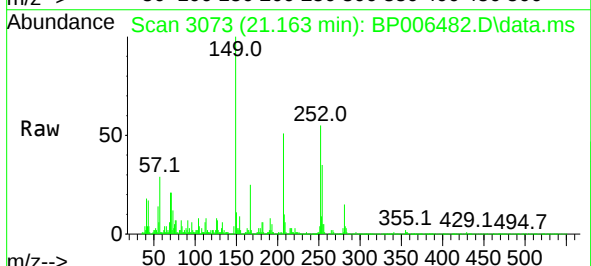
Tgt Ion:149 Resp: 110057

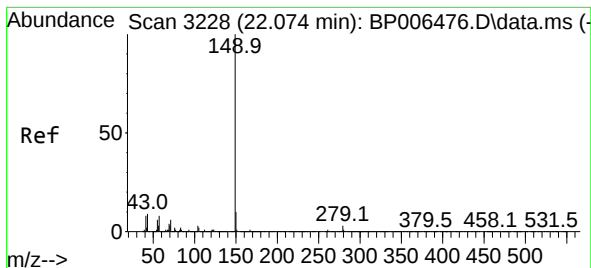
Ion Ratio Lower Upper

149 100

167 25.4 21.9 32.9

279 3.2 4.3 6.5#

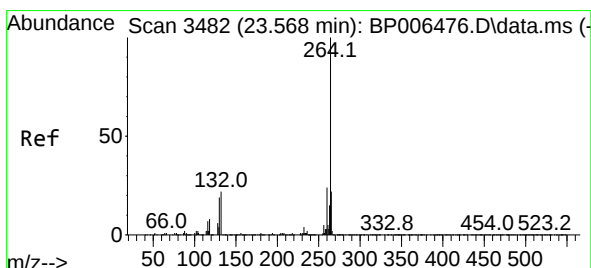
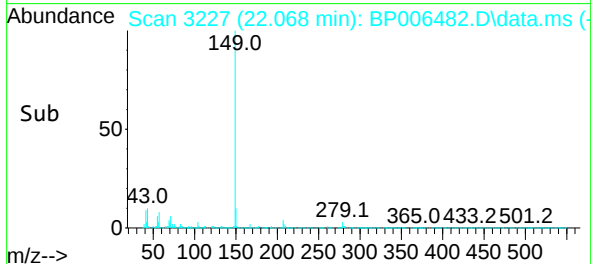
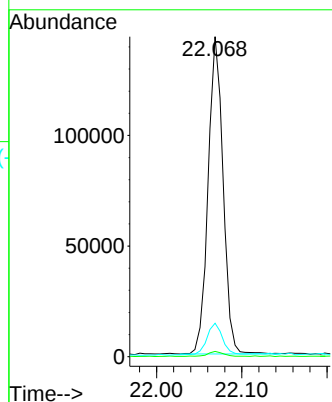
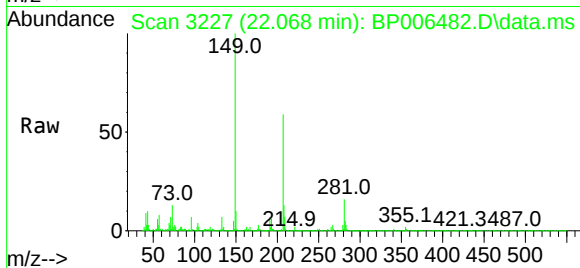




#85  
Di-n-octyl phthalate  
Concen: 3.734 ng  
RT: 22.068 min Scan# 3227  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

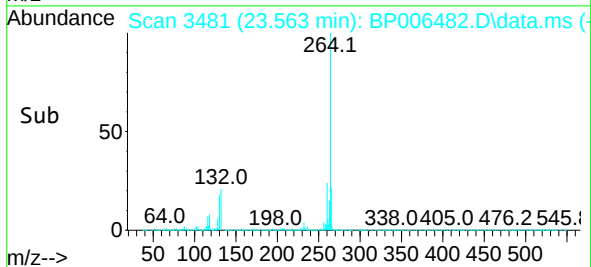
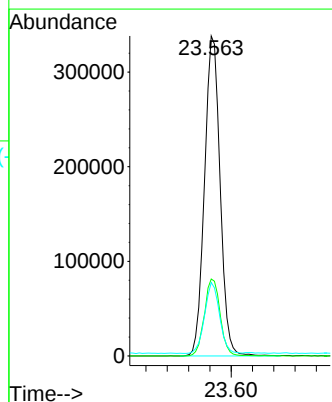
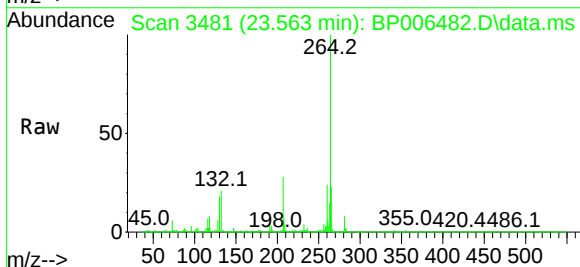
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

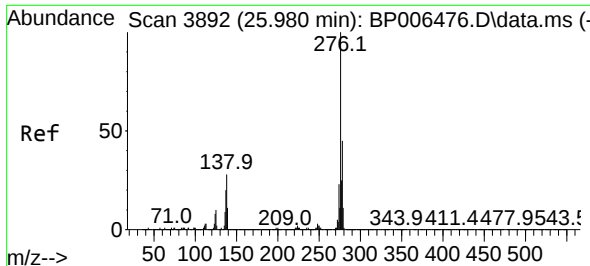
Tgt Ion:149 Resp: 175473  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.4 2.0  
43 10.8 5.6 8.4#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.563 min Scan# 3481  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:264 Resp: 687610  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.6 28.0  
265 23.0 17.6 26.4

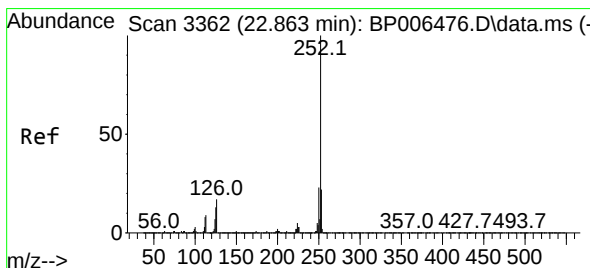
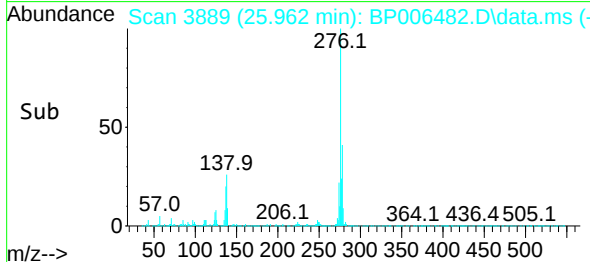
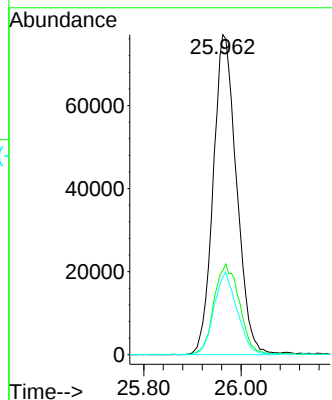
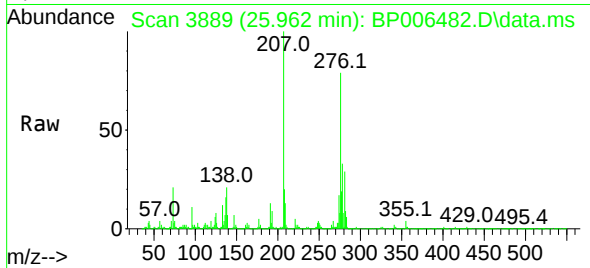




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 5.143 ng  
RT: 25.962 min Scan# 3889  
Delta R.T. -0.018 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

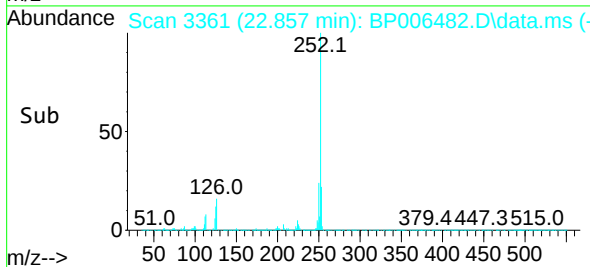
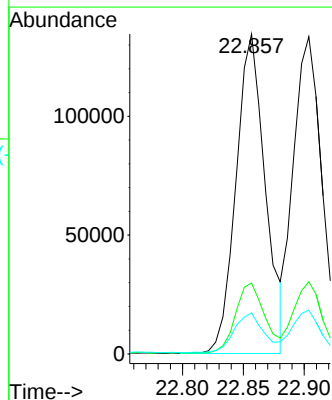
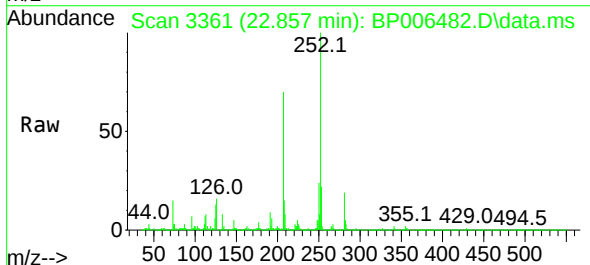
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

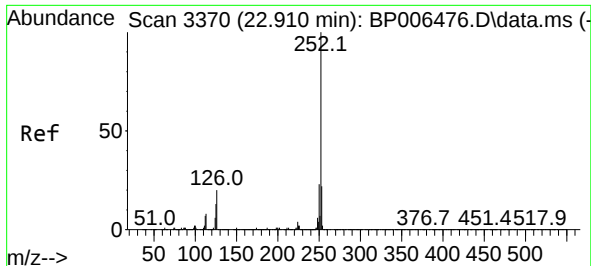
Tgt Ion:276 Resp: 256404  
Ion Ratio Lower Upper  
276 100  
138 30.6 15.3 22.9#  
277 25.6 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 5.027 ng  
RT: 22.857 min Scan# 3361  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:252 Resp: 224671  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.5 26.3  
125 12.8 6.2 9.4#

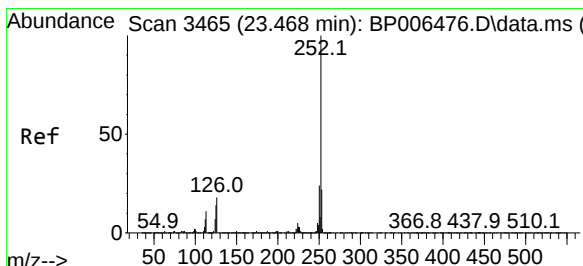
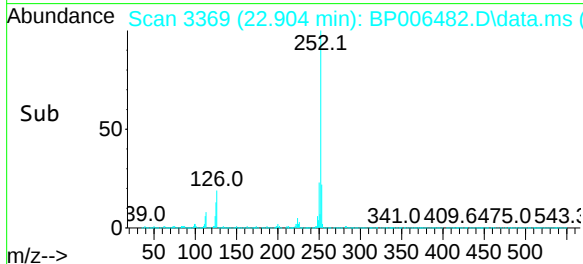
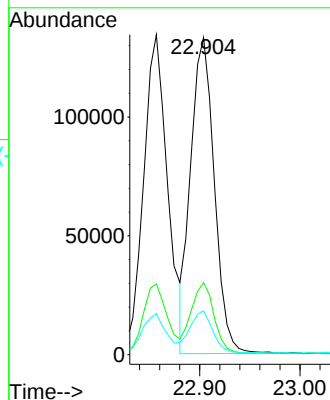
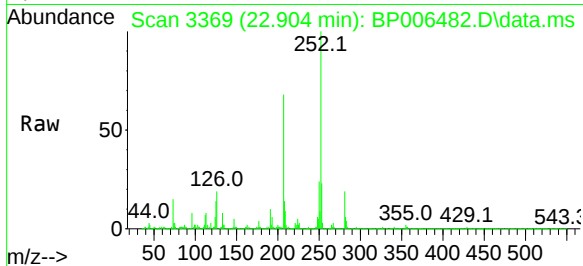




#89  
Benzo(k)fluoranthene  
Concen: 5.079 ng  
RT: 22.904 min Scan# 3369  
Delta R.T. -0.006 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

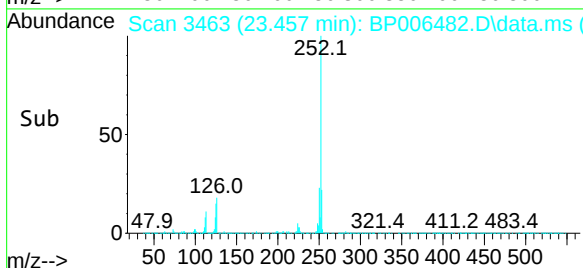
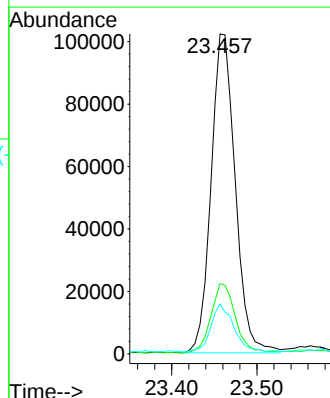
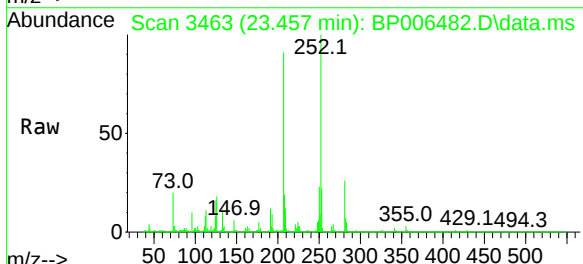
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

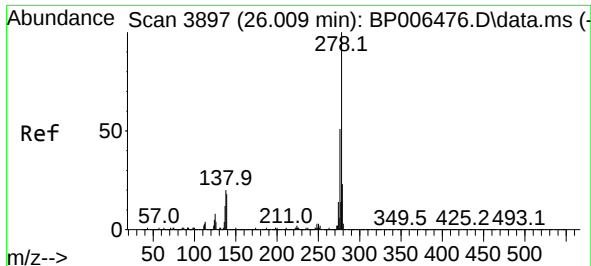
Tgt Ion:252 Resp: 217907  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.6 26.4  
125 13.8 6.0 9.0#



#90  
Benzo(a)pyrene  
Concen: 5.033 ng  
RT: 23.457 min Scan# 3463  
Delta R.T. -0.012 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:252 Resp: 201745  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 15.6 6.5 9.7#

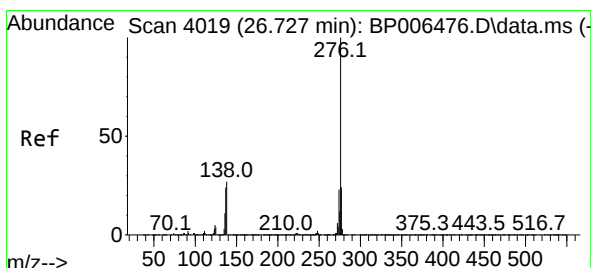
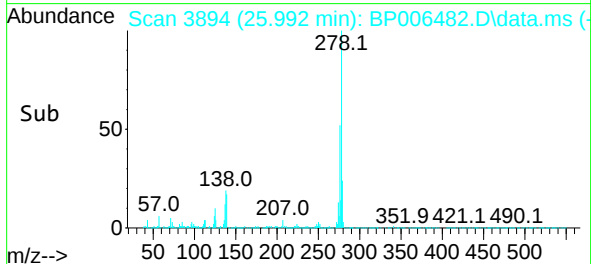
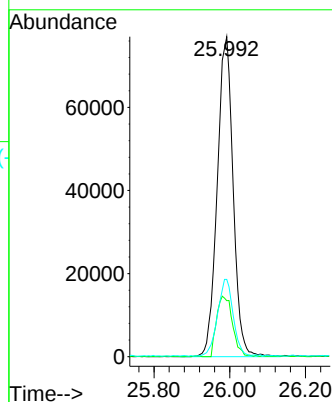
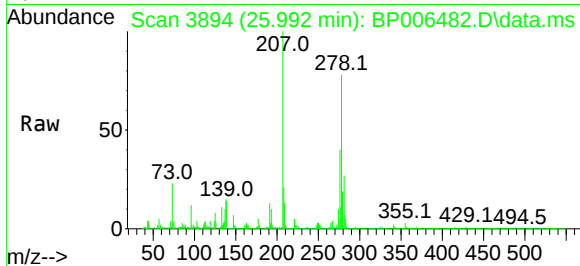




#91  
Dibenzo(a,h)anthracene  
Concen: 5.226 ng  
RT: 25.992 min Scan# 3894  
Delta R.T. -0.018 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2021

Tgt Ion:278 Resp: 225302  
Ion Ratio Lower Upper  
278 100  
139 17.5 9.3 13.9#  
279 24.2 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 5.274 ng  
RT: 26.698 min Scan# 4014  
Delta R.T. -0.029 min  
Lab File: BP006482.D  
Acq: 03 Aug 2021 17:34

Tgt Ion:276 Resp: 217860  
Ion Ratio Lower Upper  
276 100  
277 23.7 18.9 28.3  
138 24.7 12.6 18.8#

