

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP111822\  
 Data File : BP012668.D  
 Acq On : 18 Nov 2022 10:43  
 Operator : CG/JU  
 Sample : N4955-01  
 Misc : LOD-MDL-SOIL-4ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Nov 21 03:27:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 03:25:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.046  | 152  | 256901   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.863 | 136  | 1097616  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.681 | 164  | 749851   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.433 | 188  | 1668670  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.516 | 240  | 1751902  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.045 | 264  | 1725759  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.581  | 112  | 1437389  | 101.117 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.187  | 99   | 1999678  | 101.007 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.210  | 82   | 1482275  | 84.909  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.169 | 330  | 940830   | 109.638 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.310 | 172  | 4047205  | 81.212  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 6712843  | 82.790  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.452  | 88   | 22152    | 3.880   | ng    | 98       |
| 3) Pyridine                   | 3.858  | 79   | 55965    | 3.105   | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.769  | 42   | 27860    | 3.620   | ng    | # 74     |
| 6) Aniline                    | 7.363  | 93   | 94675    | 3.796   | ng    | 100      |
| 8) 2-Chlorophenol             | 7.605  | 128  | 66746    | 3.803   | ng    | 98       |
| 9) Benzaldehyde               | 7.175  | 77   | 64257    | 5.565   | ng    | 97       |
| 10) Phenol                    | 7.216  | 94   | 82187    | 3.685   | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.463  | 93   | 69108    | 3.890   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.934  | 146  | 77519    | 3.979   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.081  | 146  | 79482    | 4.002   | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.399  | 146  | 78510    | 4.119   | ng    | 99       |
| 15) Benzyl Alcohol            | 8.275  | 79   | 49478    | 3.354   | ng    | 92       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.581  | 45   | 101558   | 4.051   | ng    | 99       |
| 17) 2-Methylphenol            | 8.475  | 107  | 54296    | 3.511   | ng    | 99       |
| 18) Hexachloroethane          | 9.140  | 117  | 28039    | 4.224   | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.852  | 70   | 47928    | 3.562   | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.805  | 107  | 69631    | 3.214   | ng    | 98       |
| 22) Acetophenone              | 8.869  | 105  | 113403   | 4.139   | ng    | # 98     |
| 24) Nitrobenzene              | 9.252  | 77   | 78924    | 4.187   | ng    | 95       |
| 25) Isophorone                | 9.775  | 82   | 153160   | 3.900   | ng    | 100      |
| 26) 2-Nitrophenol             | 9.969  | 139  | 23860    | 2.919   | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 10.022 | 122  | 79024    | 5.123   | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.263 | 93   | 95973    | 4.297   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.499 | 162  | 62085    | 3.463   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.722 | 180  | 74755    | 3.884   | ng    | 99       |
| 31) Naphthalene               | 10.916 | 128  | 240006   | 3.977   | ng    | 99       |
| 32) Benzoic acid              | 10.022 | 122  | 79024    | 6.543   | ng    | # 17     |
| 33) 4-Chloroaniline           | 11.016 | 127  | 89749    | 3.570   | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.204 | 225  | 45785    | 4.027   | ng    | 98       |
| 35) Caprolactam               | 11.763 | 113  | 17883    | 3.063   | ng    | # 88     |
| 36) 4-Chloro-3-methylphenol   | 12.122 | 107  | 65292    | 3.392   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.516 | 142  | 166886   | 3.867   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.734 | 142  | 163360   | 3.853   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.875 | 216  | 90032    | 4.117   | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.863 | 237  | 33475    | 4.024   | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 13.110 | 196  | 52576    | 3.377   | ng    | 97       |

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 ALS Vial : 4 Sample Multiplier: 1

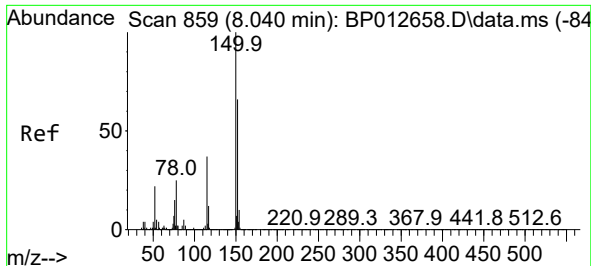
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Nov 21 03:27:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP111722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 03:25:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.175 | 196  | 57235    | 3.322 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.516 | 154  | 237029   | 4.227 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.557 | 162  | 174378   | 3.916 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.751 | 65   | 19741    | 2.215 | ng    | 97       |
| 49) Acenaphthylene            | 14.404 | 152  | 274301   | 3.775 | ng    | 99       |
| 50) Dimethylphthalate         | 14.134 | 163  | 214893   | 3.638 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.245 | 165  | 24283    | 2.344 | ng    | 92       |
| 52) Acenaphthene              | 14.745 | 154  | 174142   | 3.755 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.575 | 138  | 26121    | 2.202 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.775 | 184  | 10010    | 1.741 | ng    | 94       |
| 55) Dibenzofuran              | 15.075 | 168  | 281341   | 4.019 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.863 | 139  | 24484    | 2.205 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 15.028 | 165  | 28349    | 2.058 | ng    | # 90     |
| 58) Fluorene                  | 15.728 | 166  | 225018   | 4.084 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.298 | 232  | 52406    | 3.379 | ng    | 99       |
| 60) Diethylphthalate          | 15.498 | 149  | 201227   | 3.463 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.722 | 204  | 111245   | 4.200 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.734 | 138  | 22664    | 1.953 | ng    | 94       |
| 63) Azobenzene                | 16.016 | 77   | 194614   | 3.666 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.792 | 198  | 12990    | 1.585 | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 15.934 | 169  | 177948   | 3.578 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.622 | 248  | 60739    | 3.481 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.734 | 284  | 81923    | 4.048 | ng    | 98       |
| 69) Atrazine                  | 16.886 | 200  | 43773    | 3.341 | ng    | 98       |
| 70) Pentachlorophenol         | 17.075 | 266  | 40052    | 3.050 | ng    | 98       |
| 71) Phenanthrene              | 17.475 | 178  | 369136   | 3.900 | ng    | 99       |
| 72) Anthracene                | 17.569 | 178  | 356598   | 3.905 | ng    | 98       |
| 73) Carbazole                 | 17.833 | 167  | 325453   | 3.753 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.386 | 149  | 260178   | 2.877 | ng    | 99       |
| 75) Fluoranthene              | 19.433 | 202  | 412380   | 3.678 | ng    | 98       |
| 77) Benzidine                 | 19.604 | 184  | 68129    | 2.829 | ng    | 99       |
| 78) Pyrene                    | 19.786 | 202  | 429210   | 3.467 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.657 | 149  | 49793    | 2.228 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.504 | 228  | 439077   | 3.575 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 65255    | 2.111 | ng    | 97       |
| 83) Chrysene                  | 21.557 | 228  | 424404   | 3.644 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 84884    | 2.096 | ng    | 94       |
| 85) Di-n-octyl phthalate      | 22.404 | 149  | 139628   | 1.630 | ng    | # 89     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.704 | 276  | 380761   | 3.031 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.268 | 252  | 398225   | 3.486 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.321 | 252  | 420773   | 3.706 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.933 | 252  | 321029   | 3.386 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.727 | 278  | 346254   | 3.333 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.509 | 276  | 326933   | 3.240 | ng    | 99       |

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

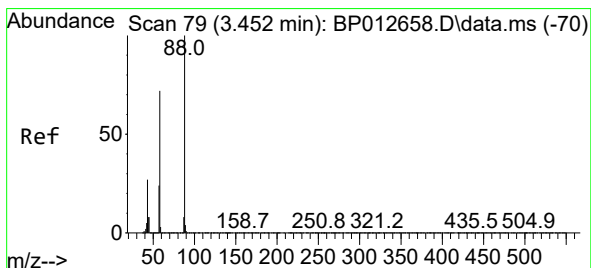
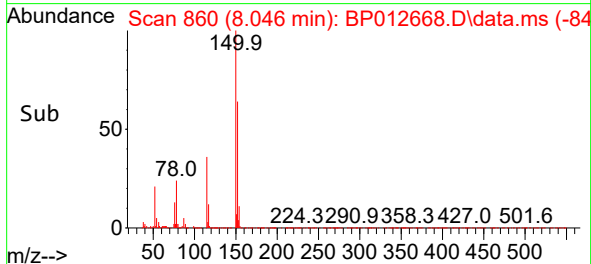
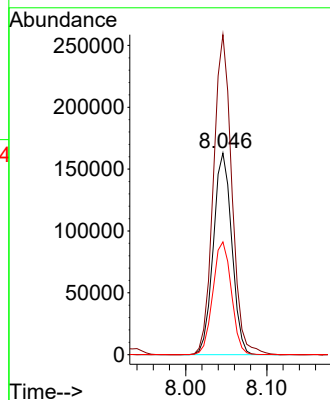
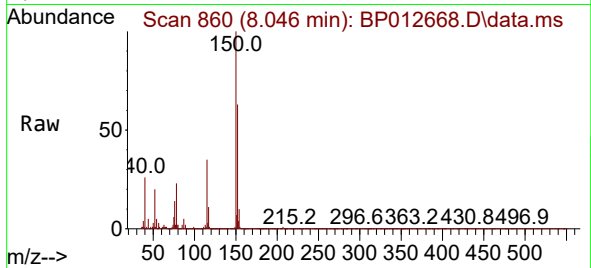




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.046 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

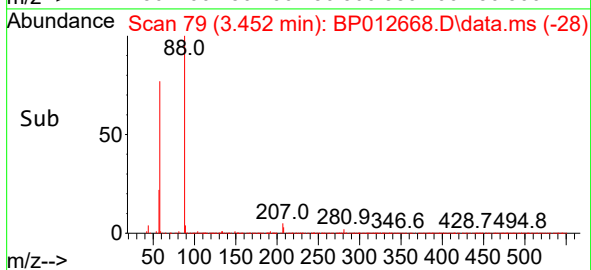
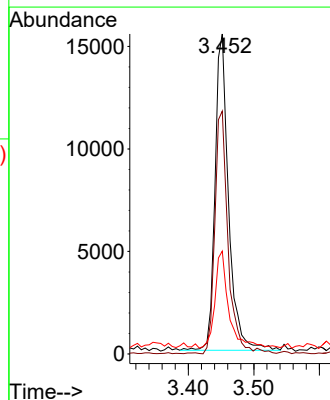
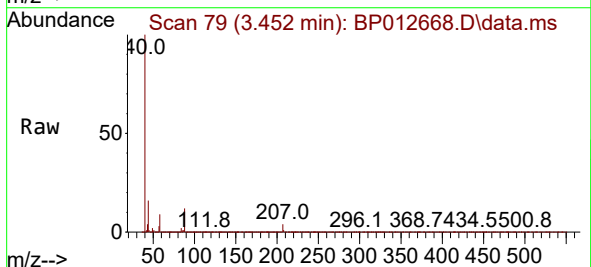
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

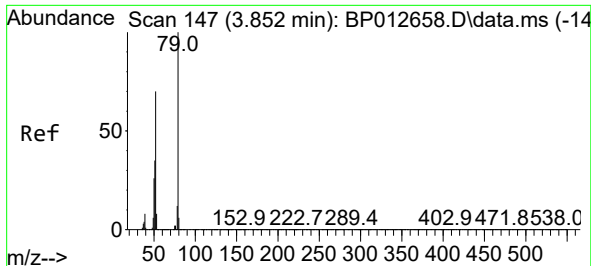
Tgt Ion:152 Resp: 256901  
Ion Ratio Lower Upper  
152 100  
150 158.8 121.8 182.8  
115 56.0 45.4 68.2



#2  
1,4-Dioxane  
Concen: 3.880 ng  
RT: 3.452 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 88 Resp: 22152  
Ion Ratio Lower Upper  
88 100  
58 74.6 59.3 88.9  
43 31.5 23.0 34.4

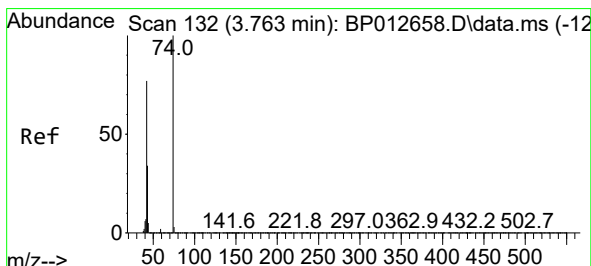
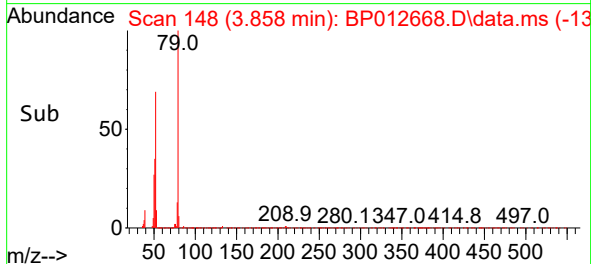
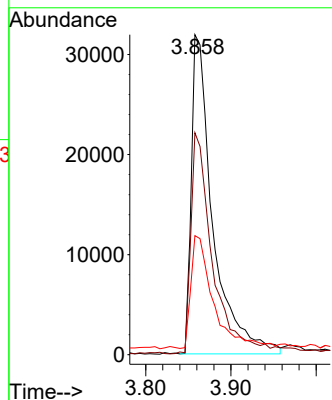
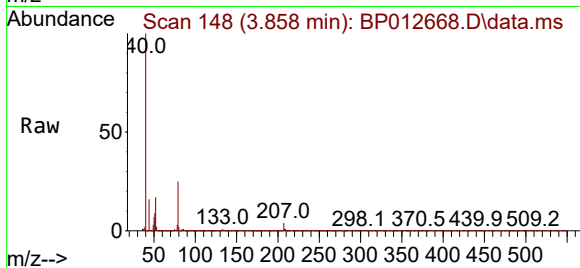




#3  
Pyridine  
Concen: 3.105 ng  
RT: 3.858 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

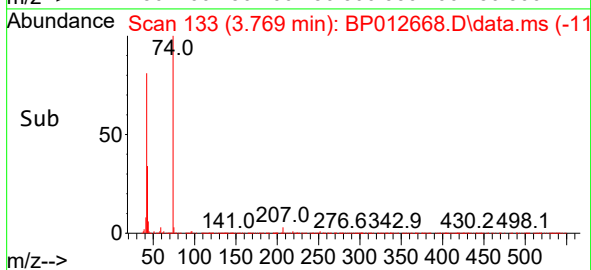
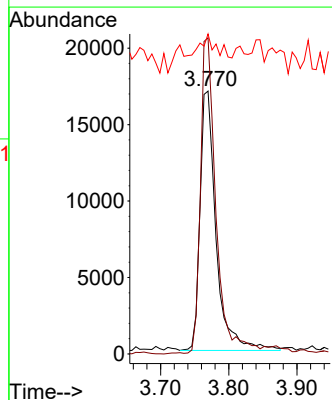
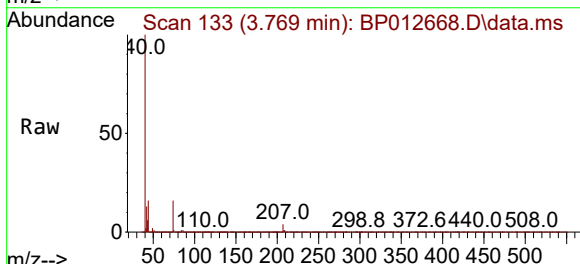
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

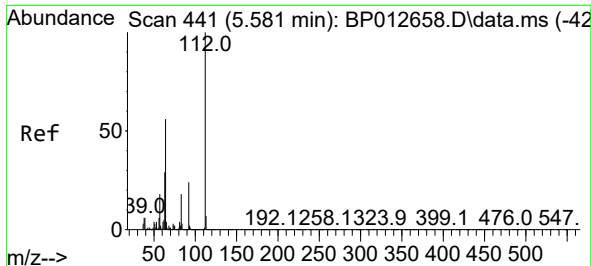
Tgt Ion: 79 Resp: 55965  
Ion Ratio Lower Upper  
79 100  
52 69.4 56.1 84.1  
51 37.2 28.1 42.1



#4  
n-Nitrosodimethylamine  
Concen: 3.620 ng  
RT: 3.769 min Scan# 133  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 42 Resp: 27860  
Ion Ratio Lower Upper  
42 100  
74 120.2 103.5 155.3  
44 121.7 6.4 9.6

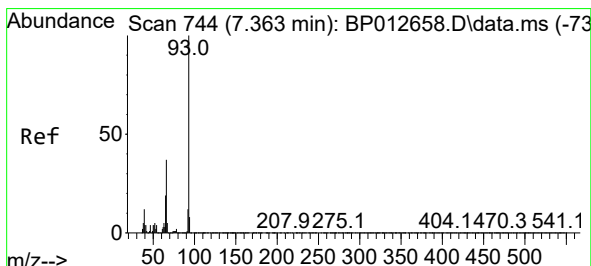
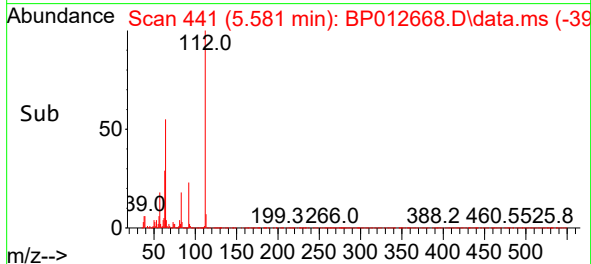
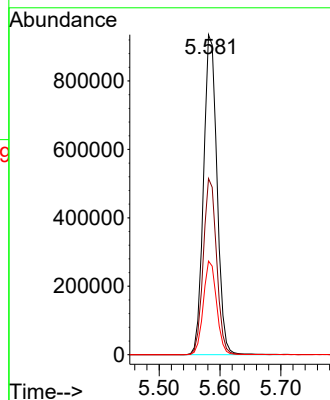
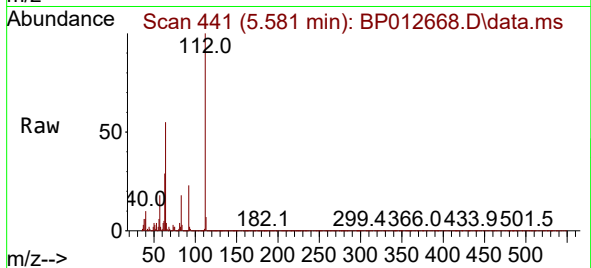




#5  
2-Fluorophenol  
Concen: 101.117 ng  
RT: 5.581 min Scan# 441  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

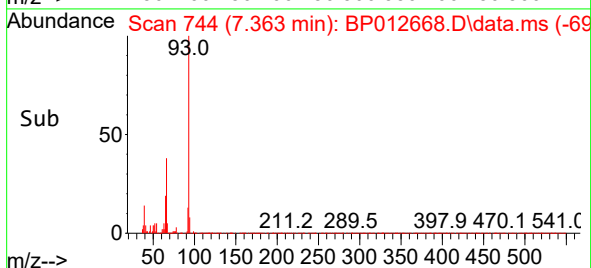
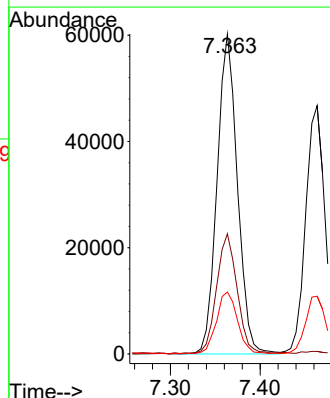
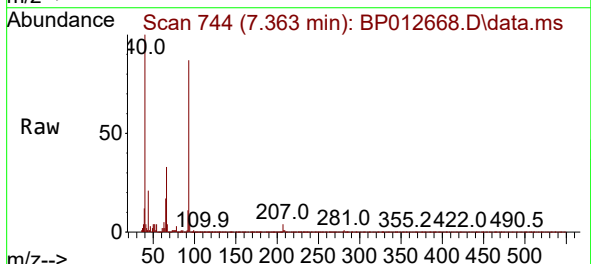
Instrument :  
BNA\_P  
ClientSampleId :  
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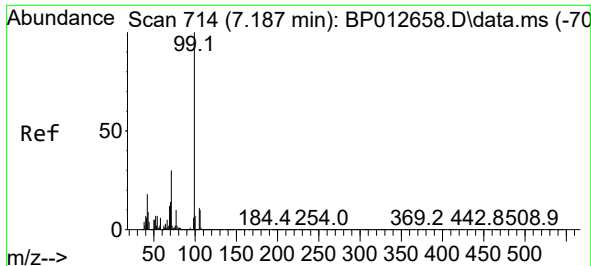
Tgt Ion:112 Resp: 1437389  
Ion Ratio Lower Upper  
112 100  
64 55.1 44.7 67.1  
63 29.3 23.3 34.9



#6  
Aniline  
Concen: 3.796 ng  
RT: 7.363 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
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Tgt Ion: 93 Resp: 94675  
Ion Ratio Lower Upper  
93 100  
66 37.6 29.9 44.9  
65 19.3 15.4 23.2

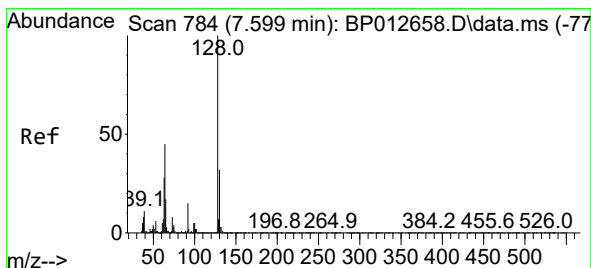
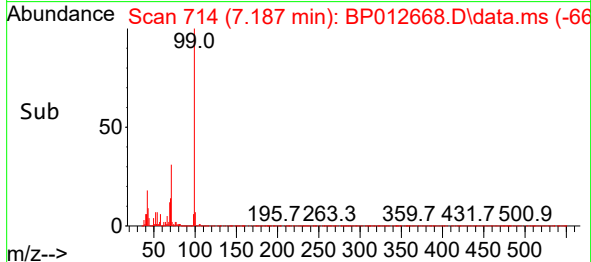
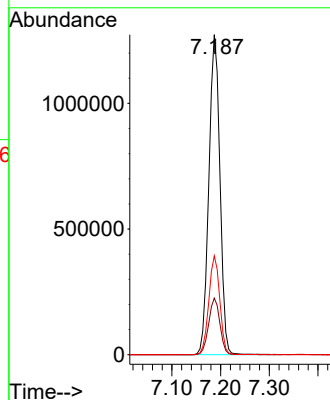
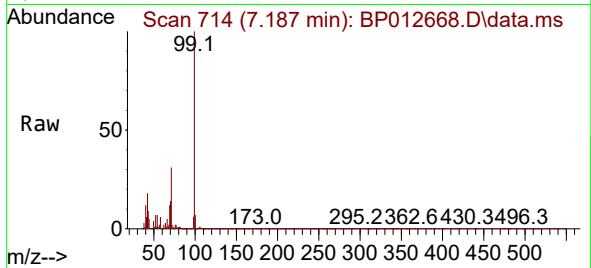




#7  
Phenol-d6  
Concen: 101.007 ng  
RT: 7.187 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

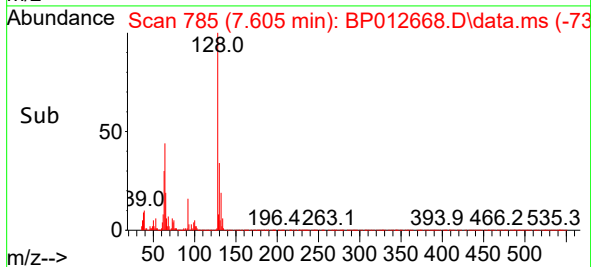
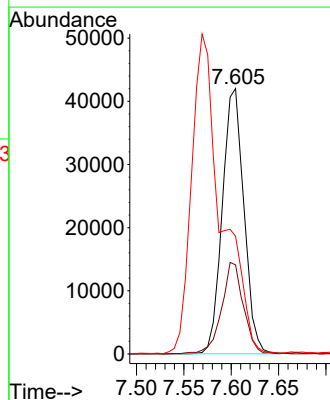
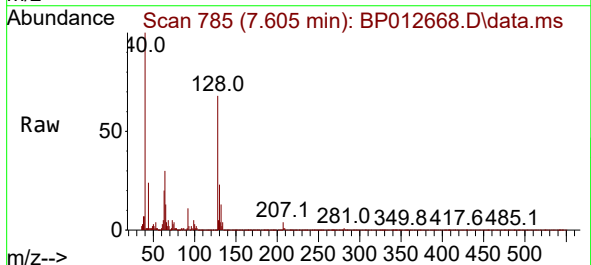
Instrument :  
BNA\_P  
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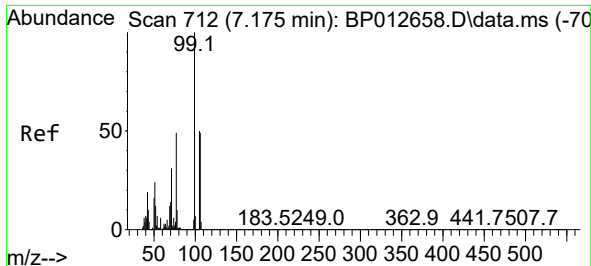
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42 17.7 14.2 21.2  
71 30.9 24.4 36.6



#8  
2-Chlorophenol  
Concen: 3.803 ng  
RT: 7.605 min Scan# 785  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:128 Resp: 66746  
Ion Ratio Lower Upper  
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130 33.6 12.0 52.0  
64 44.4 25.5 65.5

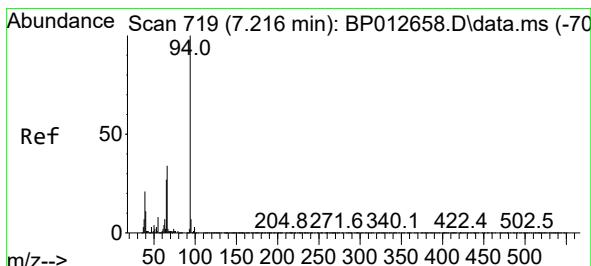
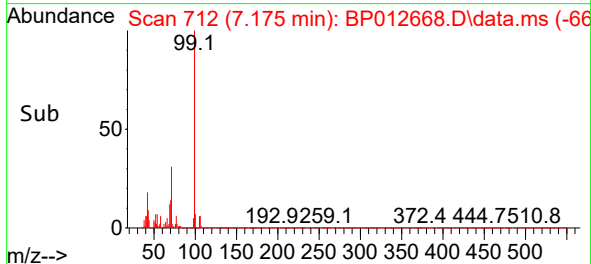
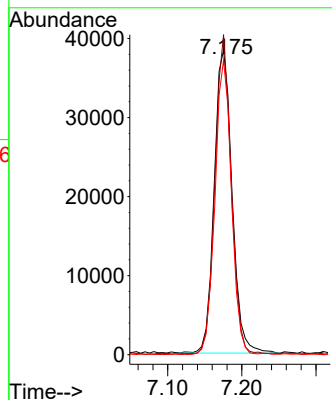
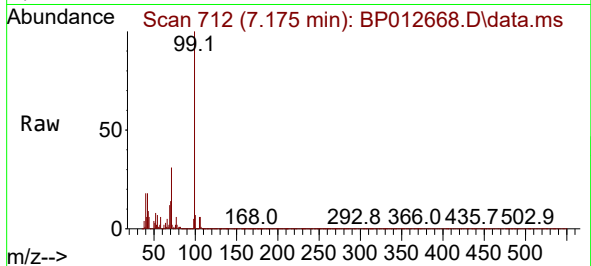




#9  
Benzaldehyde  
Concen: 5.565 ng  
RT: 7.175 min Scan# 712  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

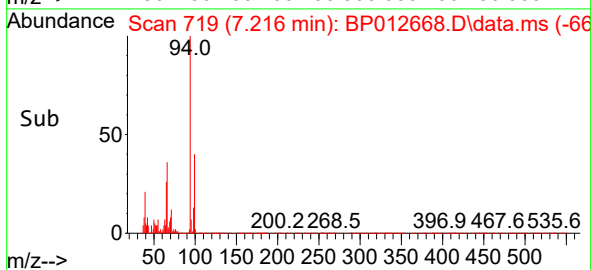
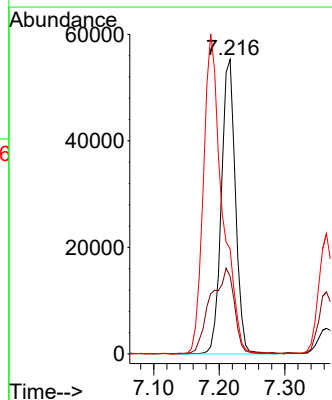
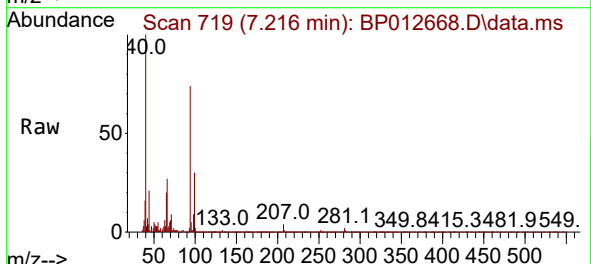
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 64257  
Ion Ratio Lower Upper  
77 100  
105 105.0 82.0 122.0  
106 96.6 79.6 119.6

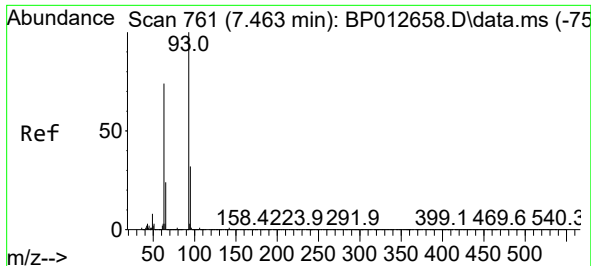


#10  
Phenol  
Concen: 3.685 ng  
RT: 7.216 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 94 Resp: 82187  
Ion Ratio Lower Upper  
94 100  
65 26.3 6.8 46.8  
66 35.7 13.9 53.9



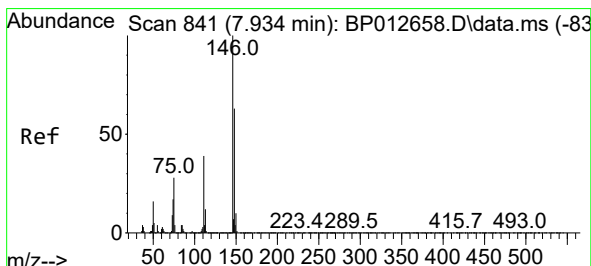
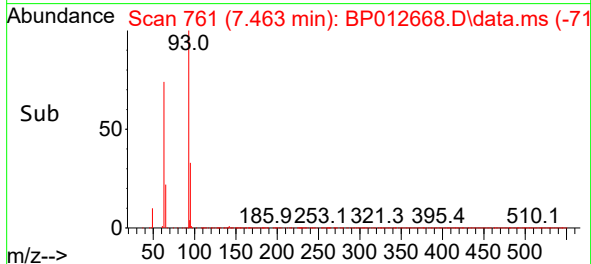
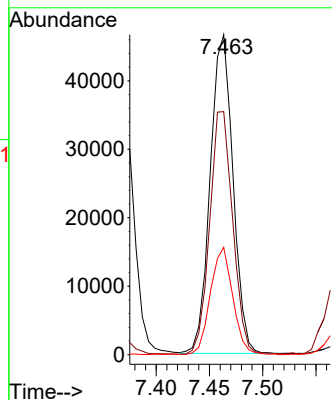
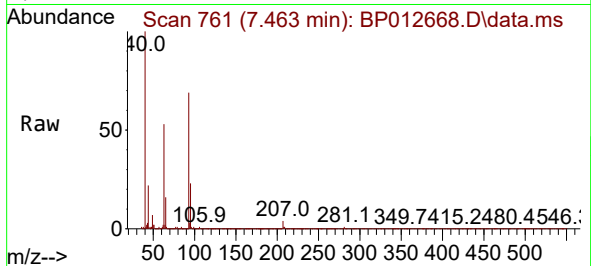




#11  
bis(2-Chloroethyl)ether  
Concen: 3.890 ng  
RT: 7.463 min Scan# 761  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

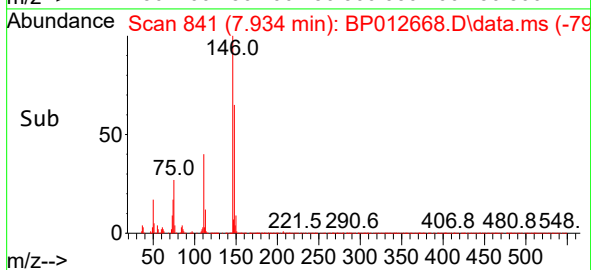
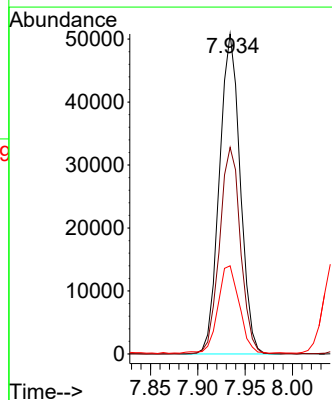
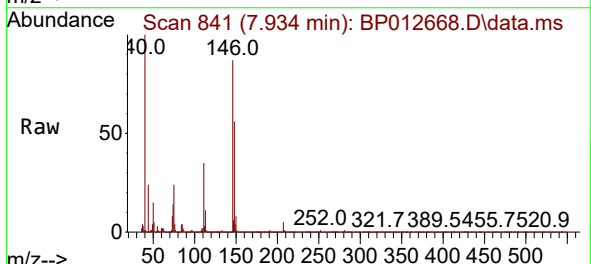
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

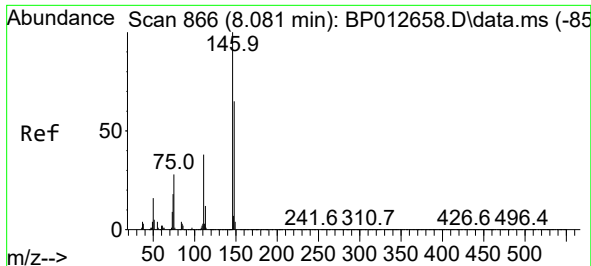
Tgt Ion: 93 Resp: 69108  
Ion Ratio Lower Upper  
93 100  
63 76.0 53.9 93.9  
95 33.6 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 3.979 ng  
RT: 7.934 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:146 Resp: 77519  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.6 76.0  
75 27.5 22.5 33.7

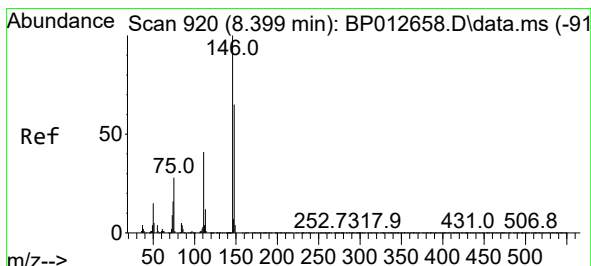
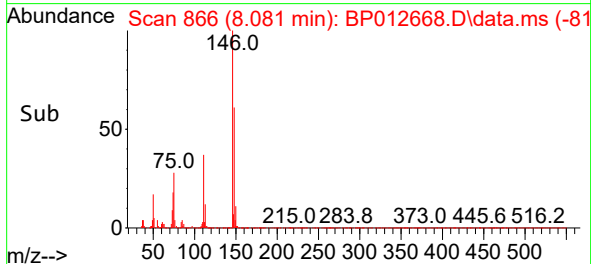
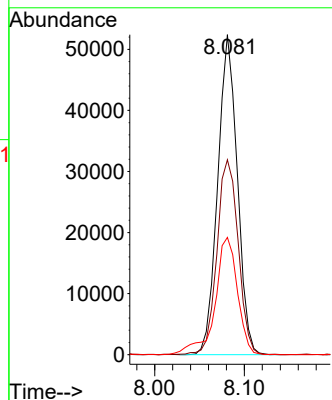
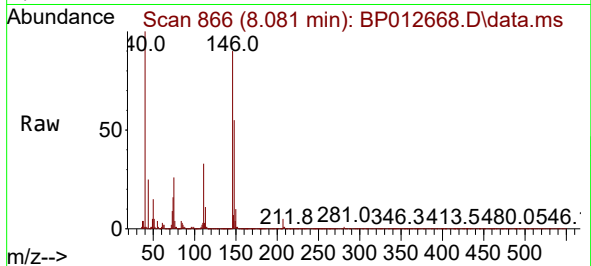




#13  
1,4-Dichlorobenzene  
Concen: 4.002 ng  
RT: 8.081 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

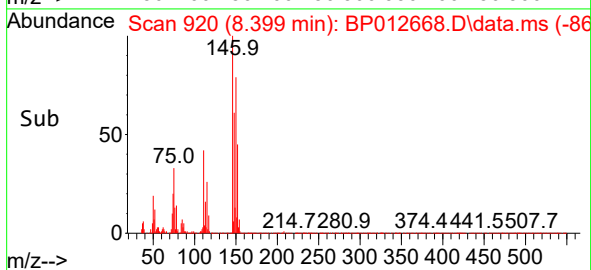
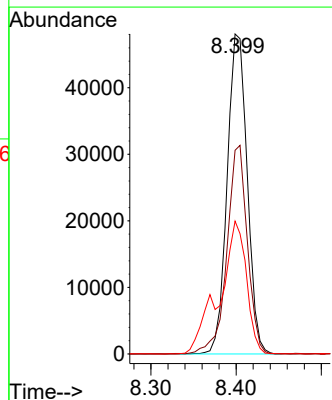
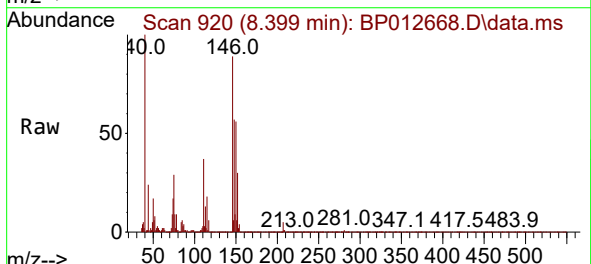
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

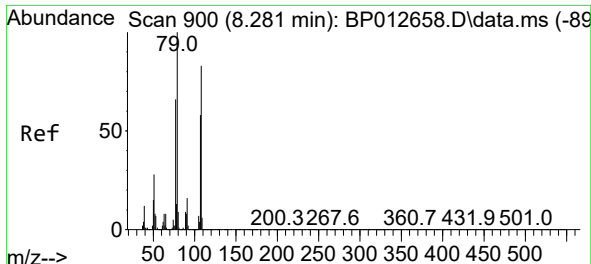
Tgt Ion:146 Resp: 79482  
Ion Ratio Lower Upper  
146 100  
148 60.9 52.2 78.4  
111 36.6 30.6 45.8



#14  
1,2-Dichlorobenzene  
Concen: 4.119 ng  
RT: 8.399 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:146 Resp: 78510  
Ion Ratio Lower Upper  
146 100  
148 63.7 52.1 78.1  
111 41.5 32.8 49.2

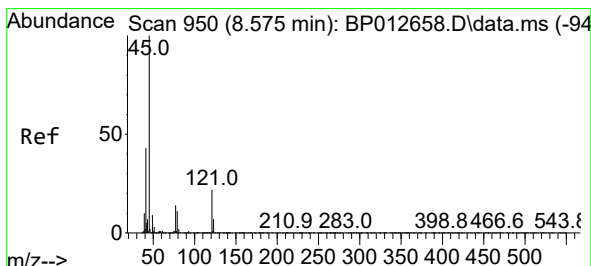
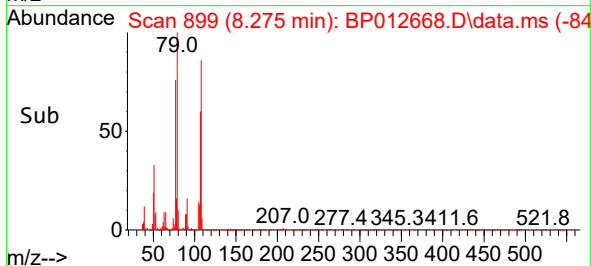
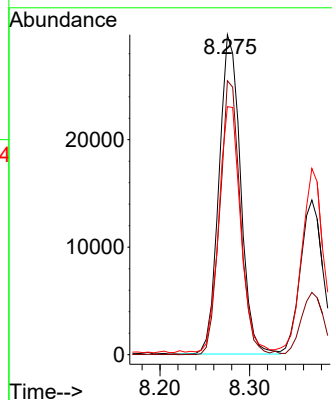
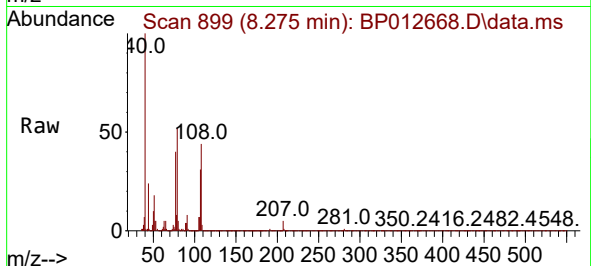




#15  
Benzyl Alcohol  
Concen: 3.354 ng  
RT: 8.275 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

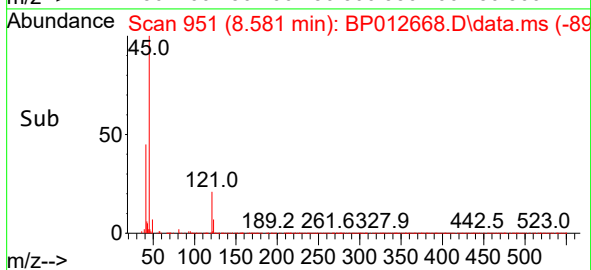
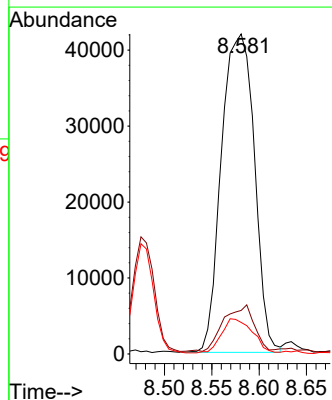
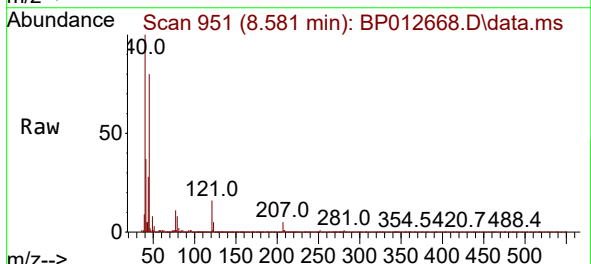
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

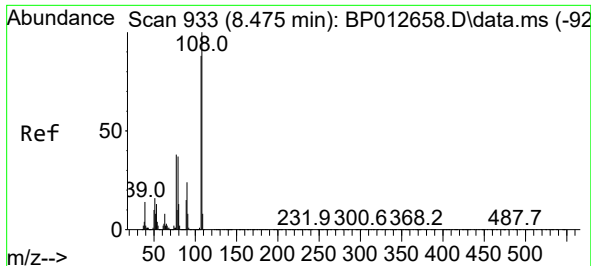
Tgt Ion: 79 Resp: 49478  
Ion Ratio Lower Upper  
79 100  
108 85.6 66.4 99.6  
77 77.5 53.2 79.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.051 ng  
RT: 8.581 min Scan# 951  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 45 Resp: 101558  
Ion Ratio Lower Upper  
45 100  
77 13.6 0.0 33.8  
79 9.9 0.0 30.7

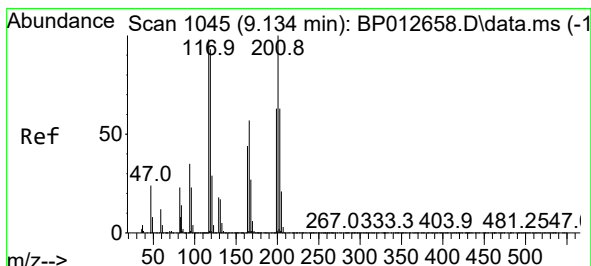
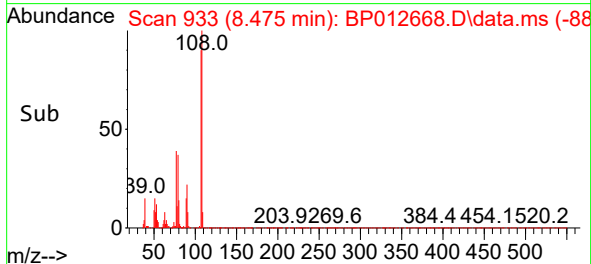
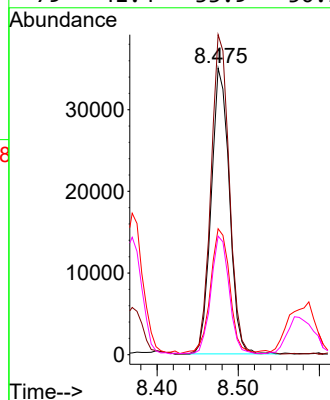
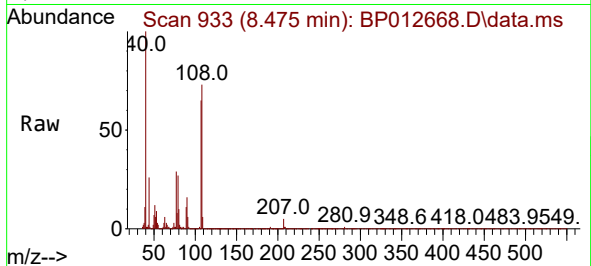




#17  
2-Methylphenol  
Concen: 3.511 ng  
RT: 8.475 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

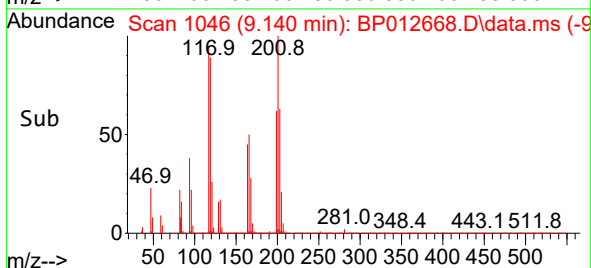
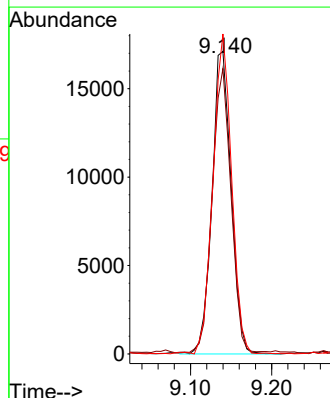
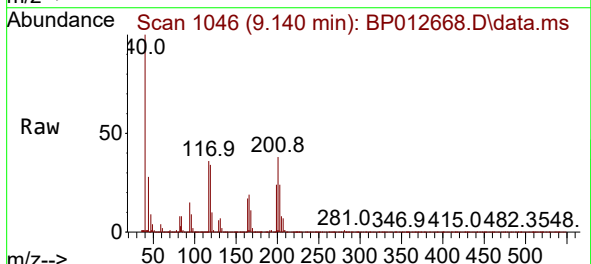
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

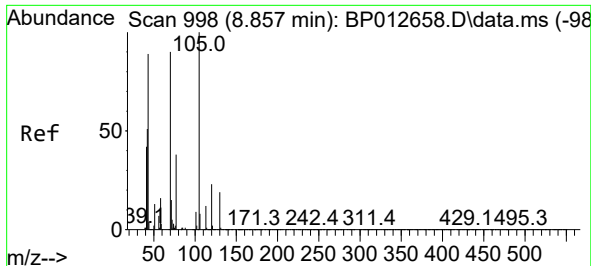
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 54296 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 111.6 | 91.0  | 136.6 |
| 77       | 43.9  | 35.1  | 52.7  |
| 79       | 41.4  | 33.9  | 50.9  |



#18  
Hexachloroethane  
Concen: 4.224 ng  
RT: 9.140 min Scan# 1046  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 28039 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.4  | 76.1  | 114.1 |
| 201      | 107.7 | 81.8  | 122.8 |

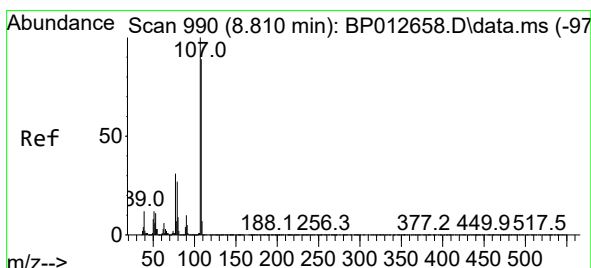
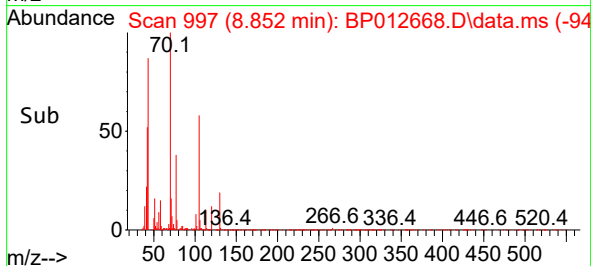
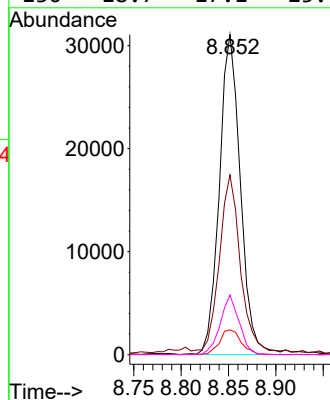
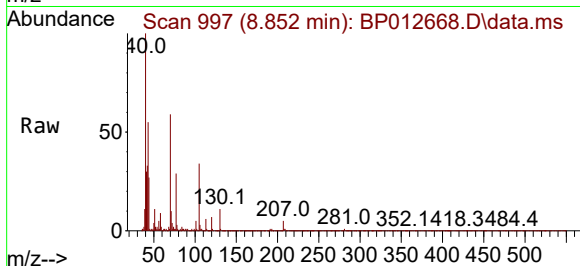




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.562 ng  
RT: 8.852 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

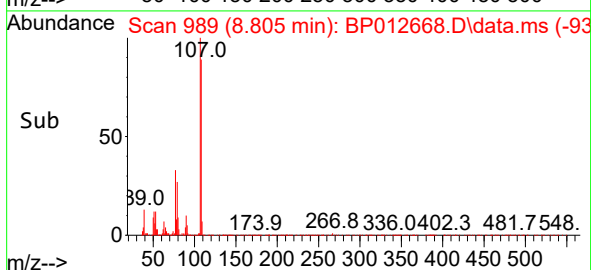
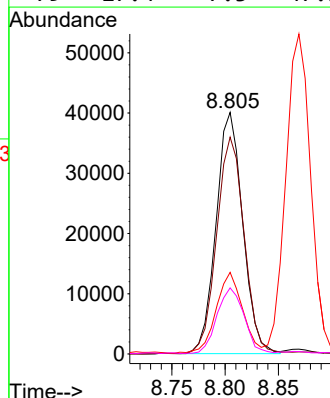
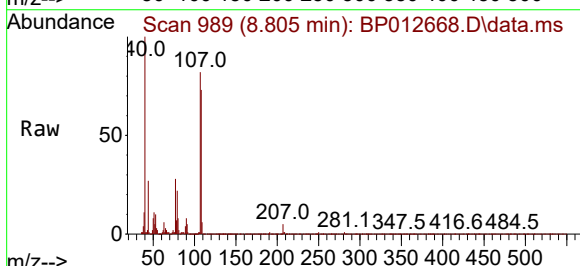
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

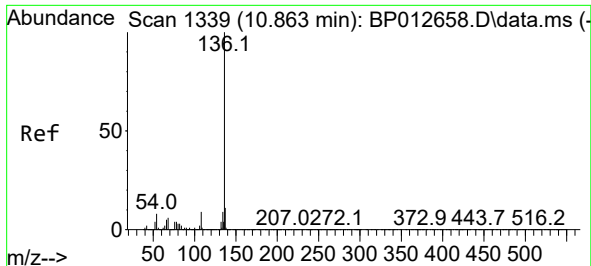
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 47928 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 56.1  | 46.4  | 69.6  |
| 101      | 7.7   | 7.6   | 11.4  |
| 130      | 18.7  | 17.1  | 25.7  |



#20  
3+4-Methylphenols  
Concen: 3.214 ng  
RT: 8.805 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 69631 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 89.7  | 69.1  | 109.1 |
| 77       | 33.8  | 10.8  | 50.8  |
| 79       | 27.4  | 7.3   | 47.3  |

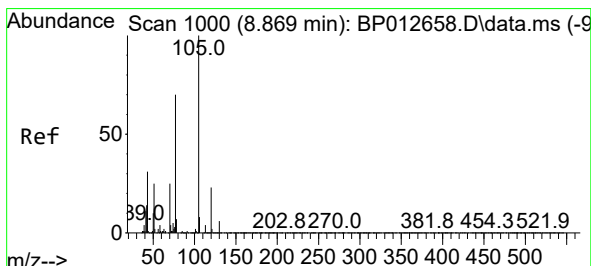
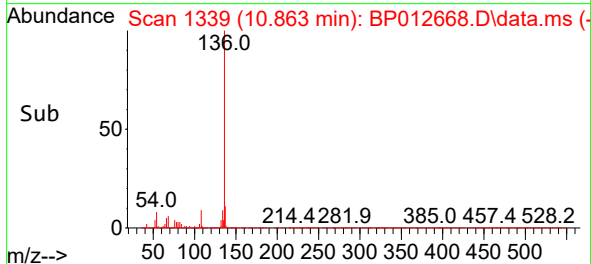
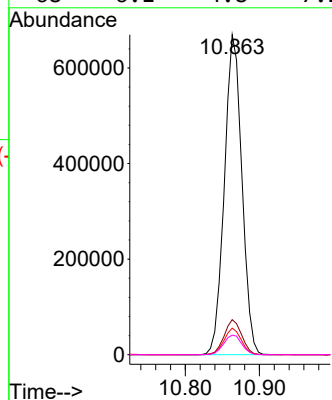
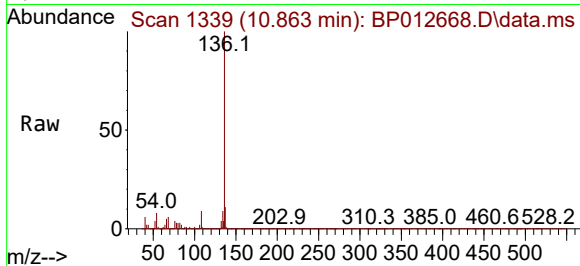




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.863 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

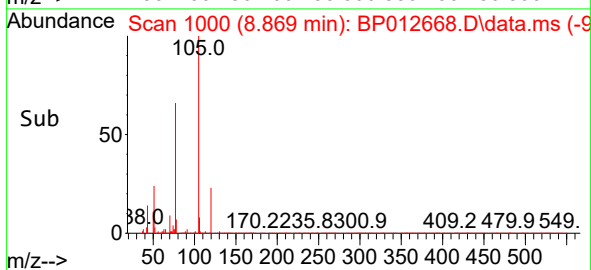
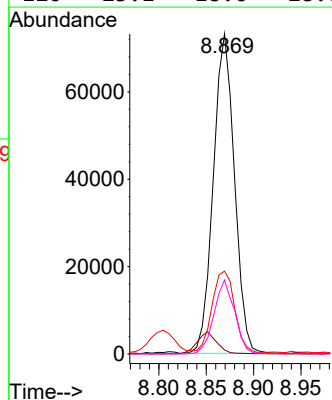
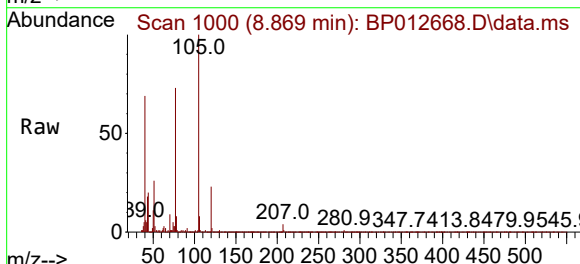
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

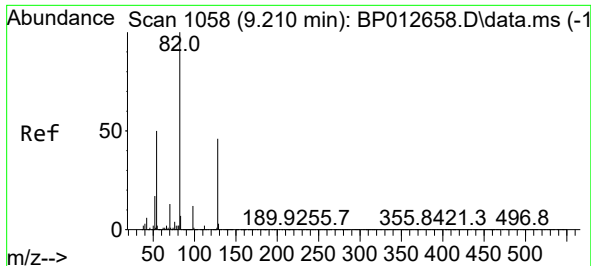
Tgt Ion:136 Resp: 1097616  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 8.3 6.3 9.5  
68 6.1 4.8 7.2



#22  
Acetophenone  
Concen: 4.139 ng  
RT: 8.869 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:105 Resp: 113403  
Ion Ratio Lower Upper  
105 100  
71 1.3 3.1 4.7#  
51 25.9 21.4 32.2  
120 23.1 18.6 28.0

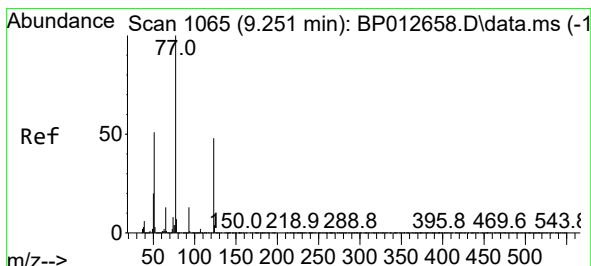
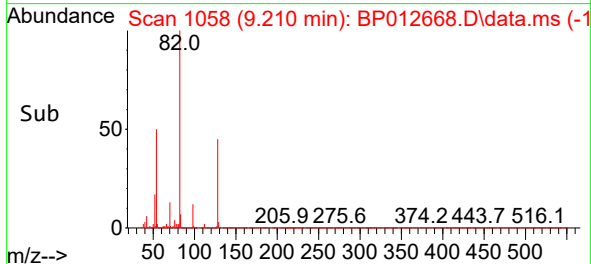
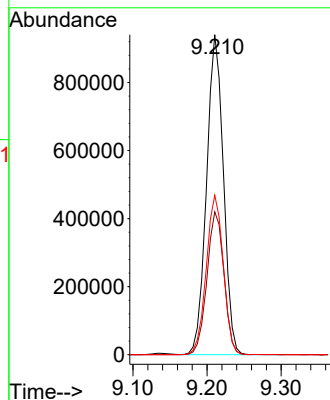
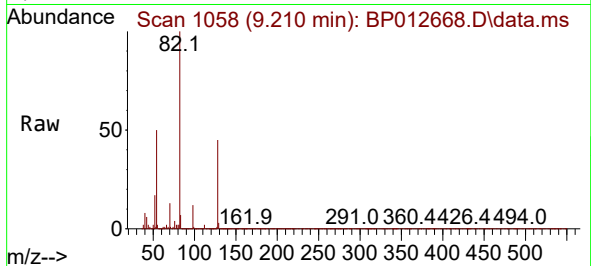




#23  
Nitrobenzene-d5  
Concen: 84.909 ng  
RT: 9.210 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

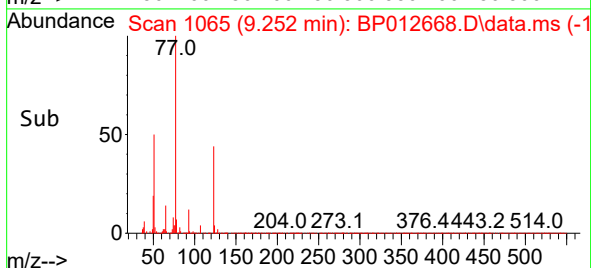
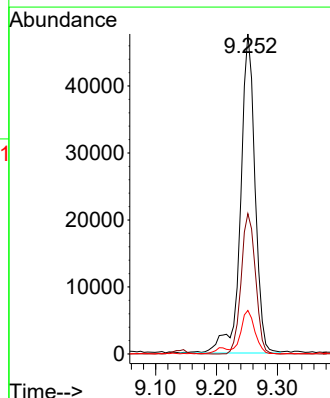
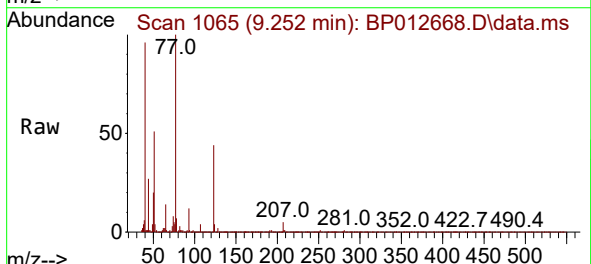
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

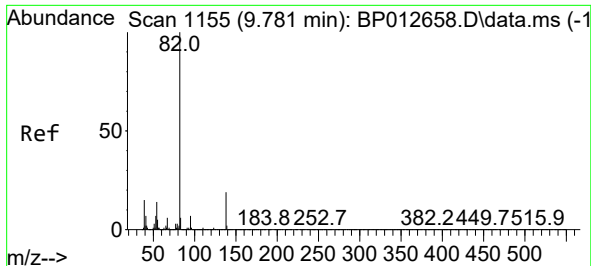
Tgt Ion: 82 Resp: 1482275  
Ion Ratio Lower Upper  
82 100  
128 44.6 36.5 54.7  
54 49.9 39.9 59.9



#24  
Nitrobenzene  
Concen: 4.187 ng  
RT: 9.252 min Scan# 1065  
Delta R.T. 0.001 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 77 Resp: 78924  
Ion Ratio Lower Upper  
77 100  
123 43.9 38.7 58.1  
65 13.6 10.6 15.8

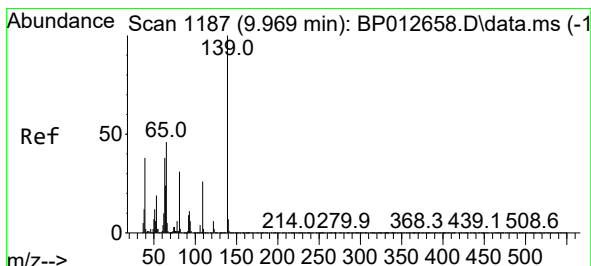
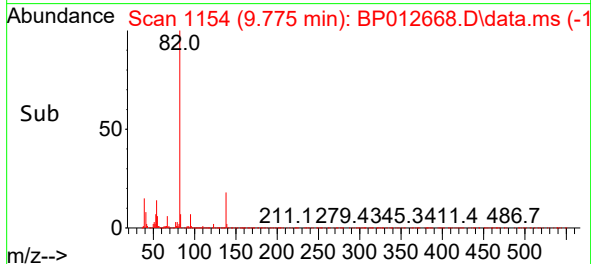
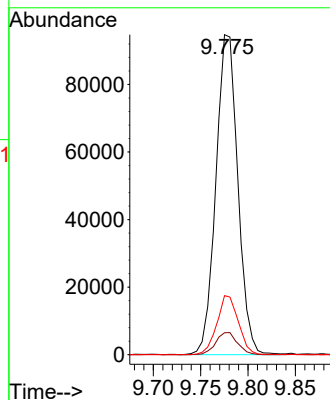
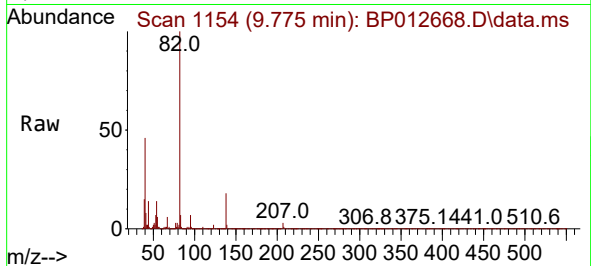




#25  
Isophorone  
Concen: 3.900 ng  
RT: 9.775 min Scan# 1155  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

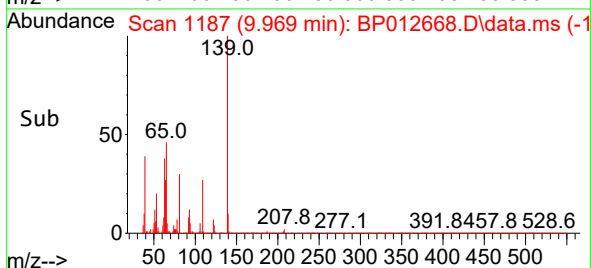
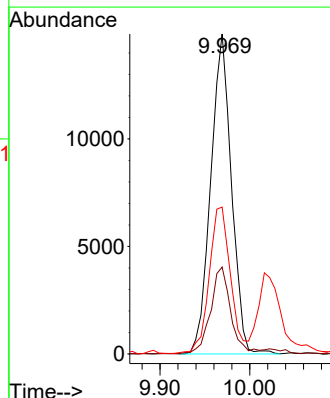
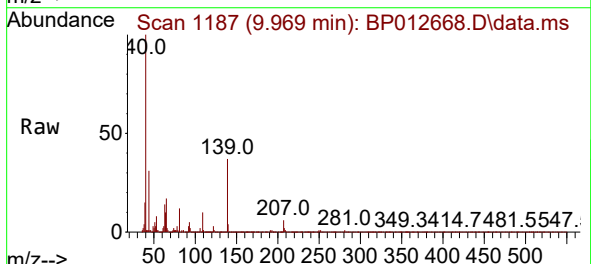
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 82 Resp: 153160  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.0  
138 18.5 14.9 22.3

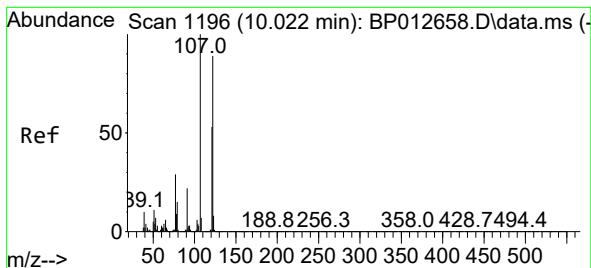


#26  
2-Nitrophenol  
Concen: 2.919 ng  
RT: 9.969 min Scan# 1187  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:139 Resp: 23860  
Ion Ratio Lower Upper  
139 100  
109 27.1 20.9 31.3  
65 45.9 36.6 54.8







#27

2,4-Dimethylphenol

Concen: 5.123 ng

RT: 10.022 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

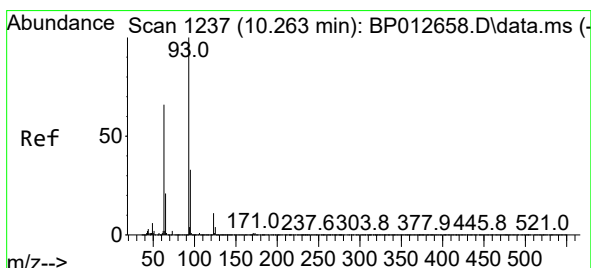
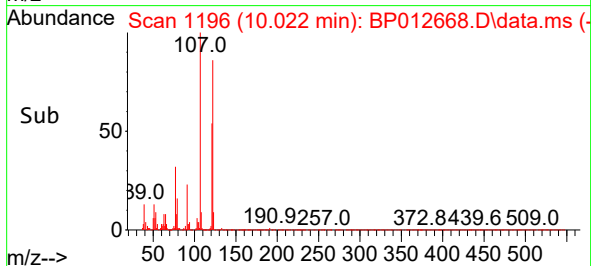
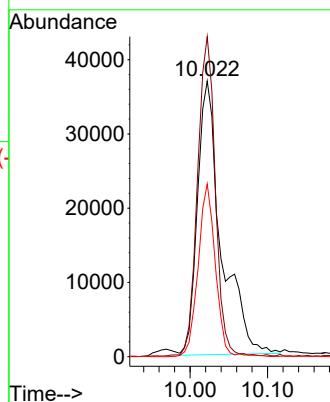
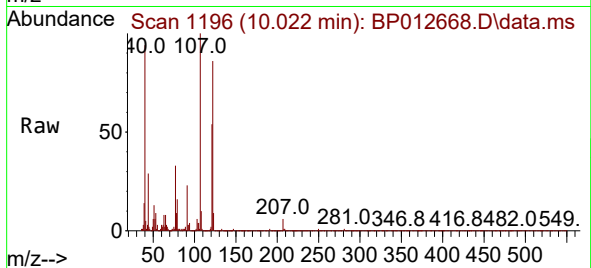
Tgt Ion:122 Resp: 79024

Ion Ratio Lower Upper

122 100

107 116.1 89.2 133.8

121 62.7 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 4.297 ng

RT: 10.263 min Scan# 1237

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

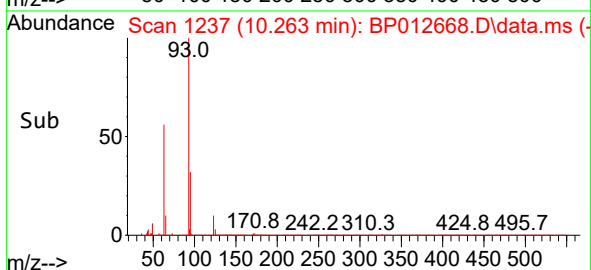
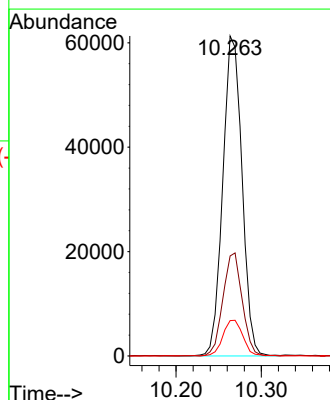
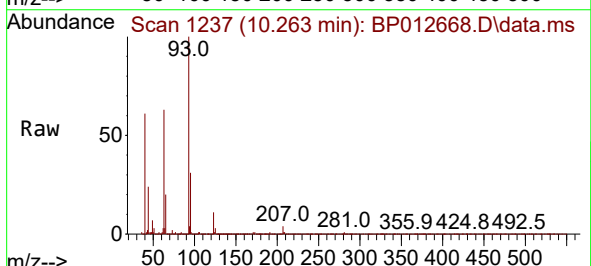
Tgt Ion: 93 Resp: 95973

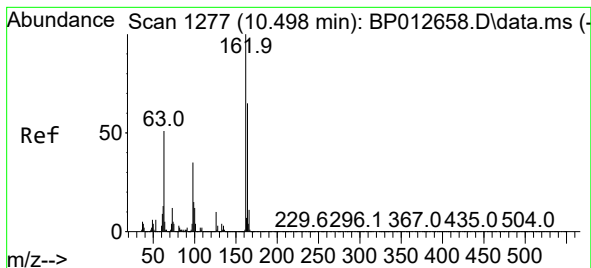
Ion Ratio Lower Upper

93 100

95 31.3 26.2 39.4

123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 3.463 ng

RT: 10.499 min Scan# 1277

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

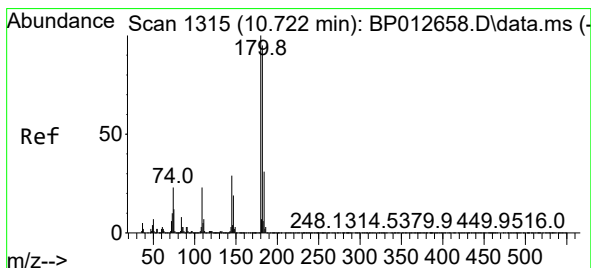
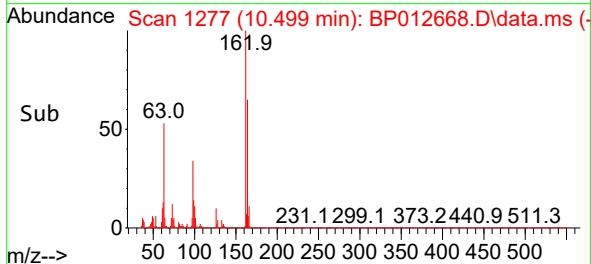
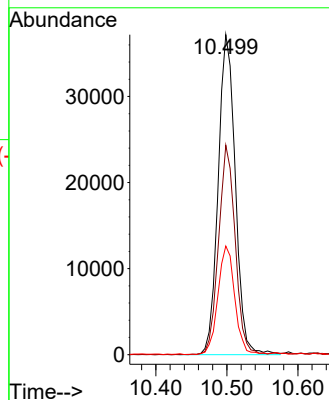
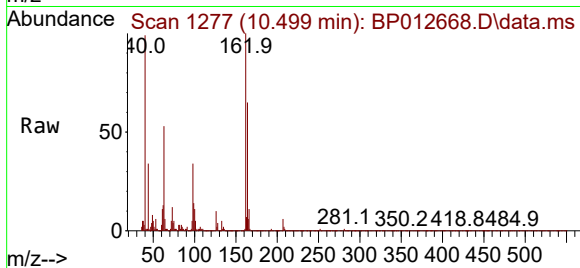
Tgt Ion:162 Resp: 62085

Ion Ratio Lower Upper

162 100

164 65.5 44.7 84.7

98 34.0 14.9 54.9



#30

1,2,4-Trichlorobenzene

Concen: 3.884 ng

RT: 10.722 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

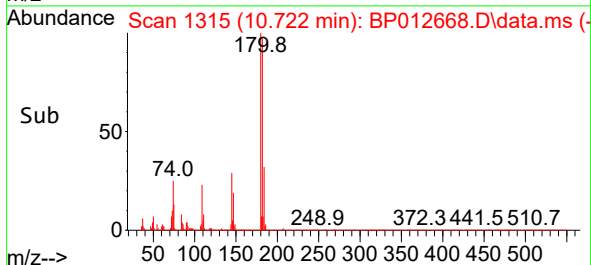
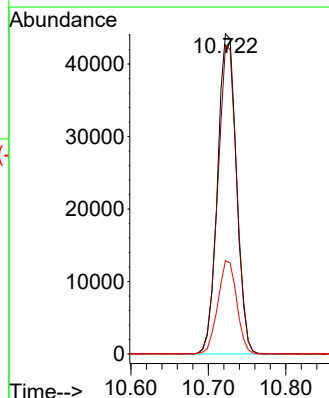
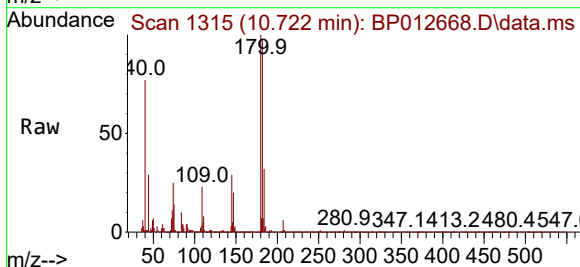
Tgt Ion:180 Resp: 74755

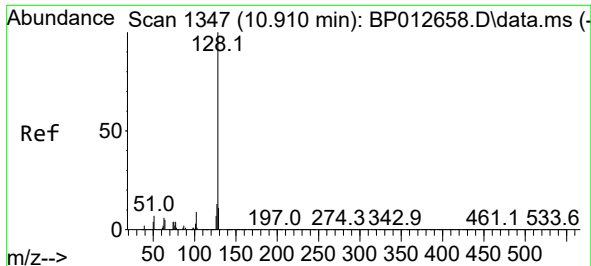
Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

145 29.2 23.0 34.4

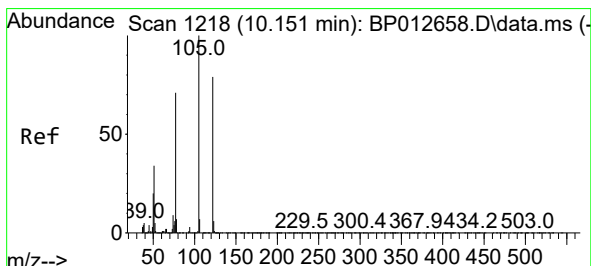
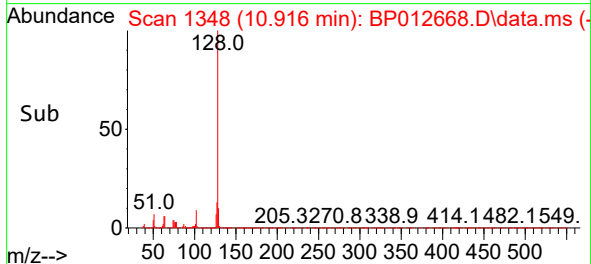
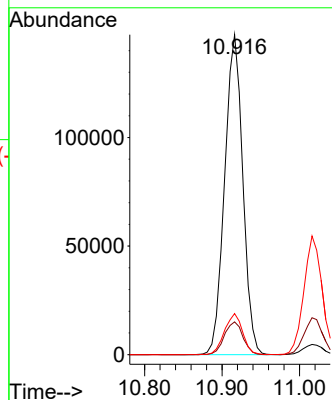
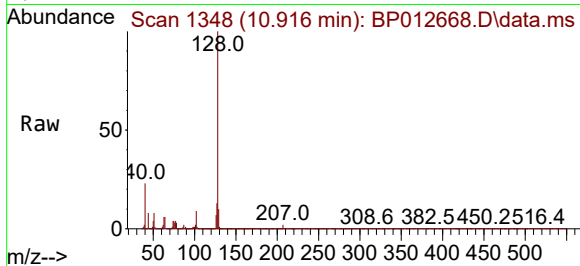




#31  
Naphthalene  
Concen: 3.977 ng  
RT: 10.916 min Scan# 1196  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

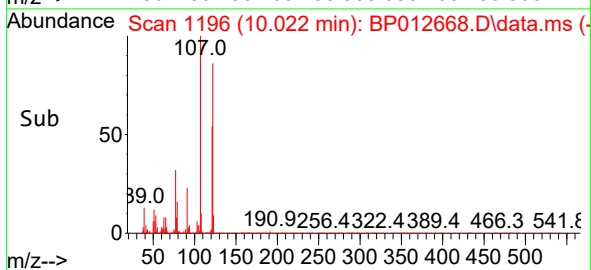
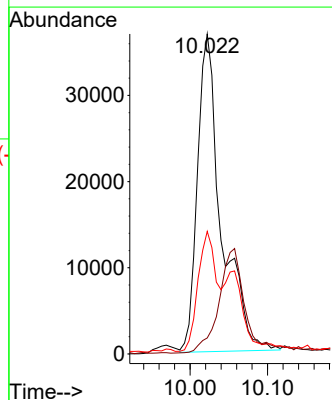
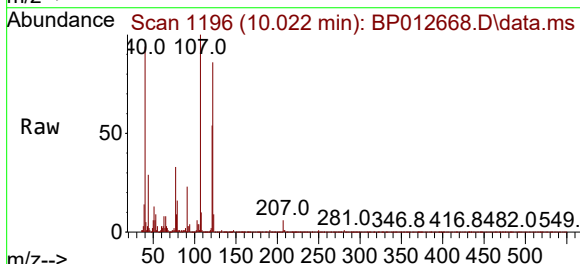
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

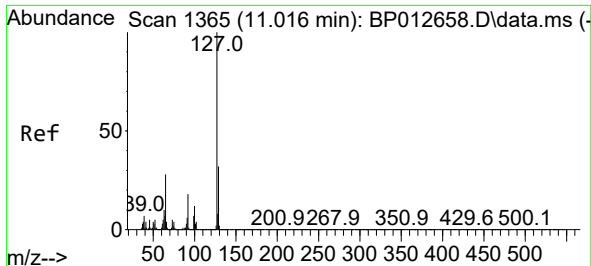
Tgt Ion:128 Resp: 240006  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.8 13.2  
127 12.9 10.5 15.7



#32  
Benzoic acid  
Concen: 6.543 ng  
RT: 10.022 min Scan# 1196  
Delta R.T. -0.129 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:122 Resp: 79024  
Ion Ratio Lower Upper  
122 100  
105 5.0 101.1 141.1#  
77 38.3 67.6 107.6#

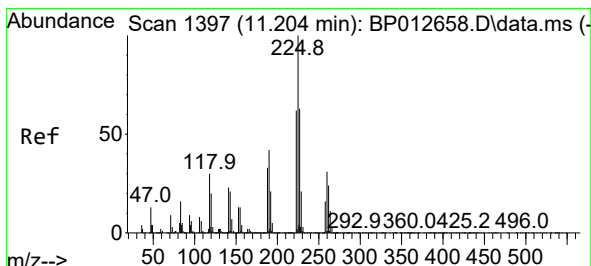
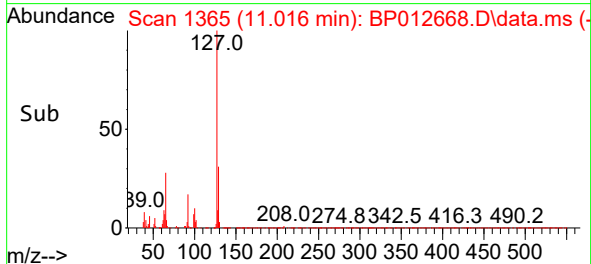
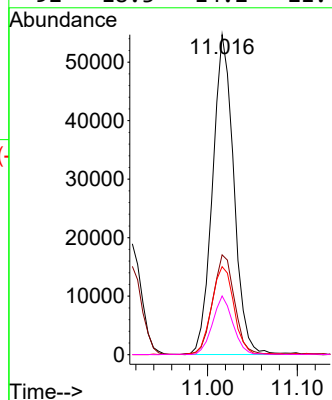
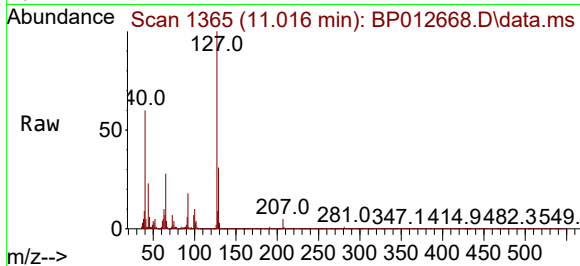




#33  
4-Chloroaniline  
Concen: 3.570 ng  
RT: 11.016 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

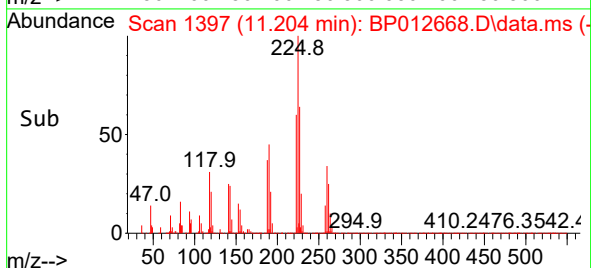
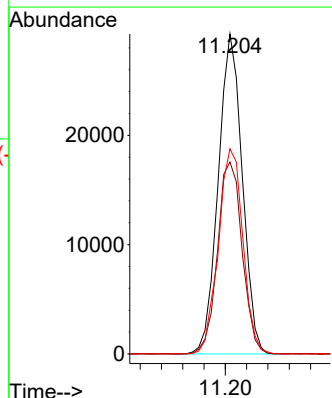
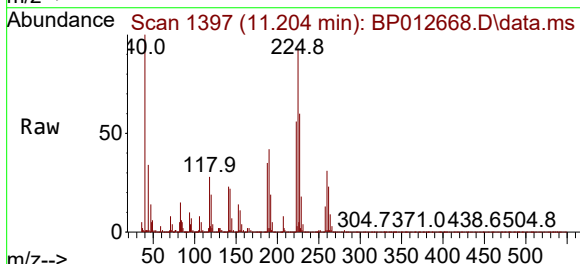
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

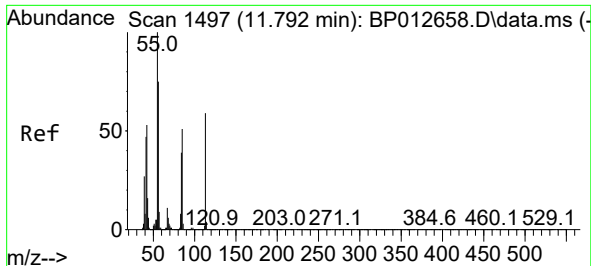
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 89749 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.2  | 25.4  | 38.0  |
| 65       | 27.5  | 22.6  | 33.8  |
| 92       | 18.3  | 14.2  | 21.4  |



#34  
Hexachlorobutadiene  
Concen: 4.027 ng  
RT: 11.204 min Scan# 1397  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 45785 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.0  | 49.6  | 74.4  |
| 227      | 64.1  | 50.0  | 75.0  |

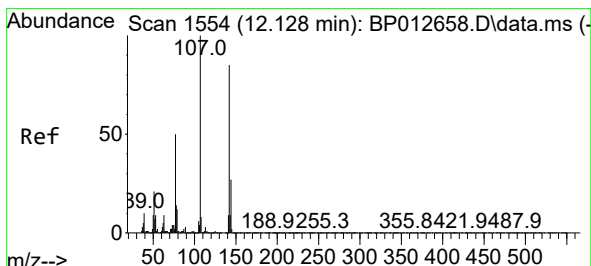
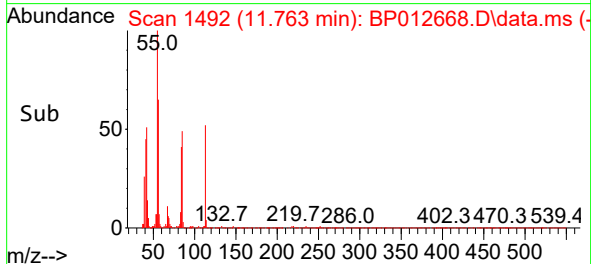
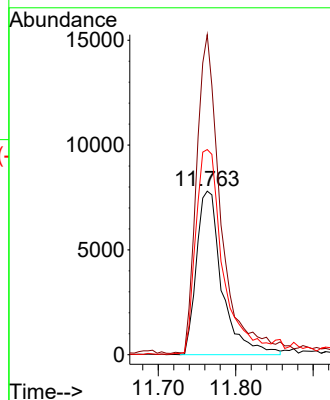
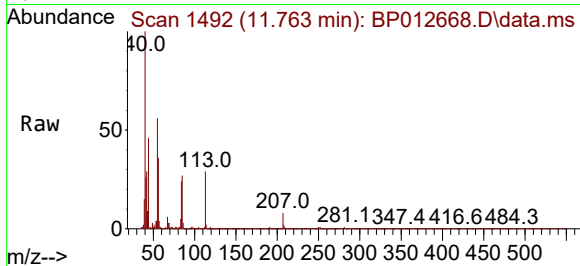




#35  
Caprolactam  
Concen: 3.063 ng  
RT: 11.763 min Scan# 1492  
Delta R.T. -0.029 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

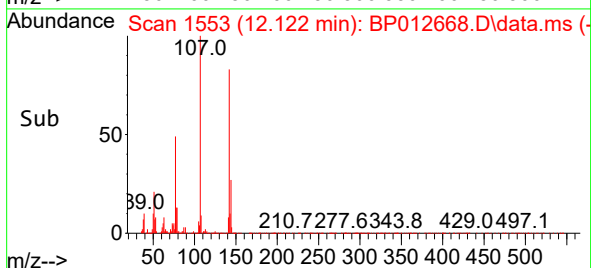
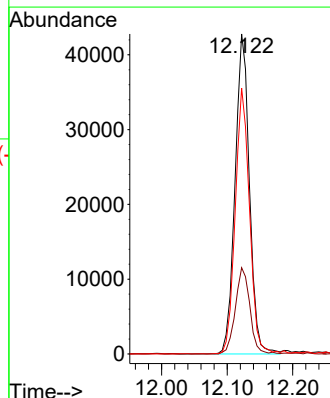
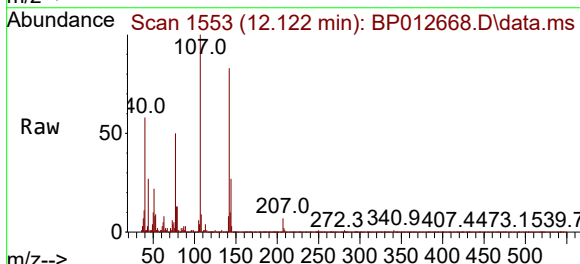
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

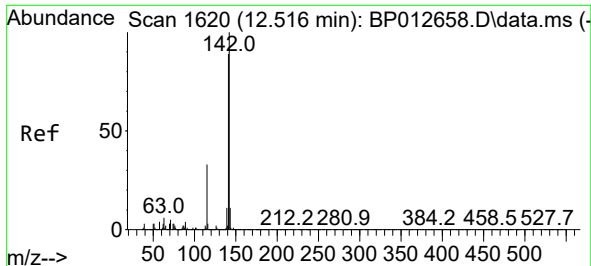
Tgt Ion:113 Resp: 17883  
Ion Ratio Lower Upper  
113 100  
55 195.7 149.2 189.2#  
56 125.5 106.9 146.9



#36  
4-Chloro-3-methylphenol  
Concen: 3.392 ng  
RT: 12.122 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:107 Resp: 65292  
Ion Ratio Lower Upper  
107 100  
144 26.9 21.9 32.9  
142 83.1 68.1 102.1

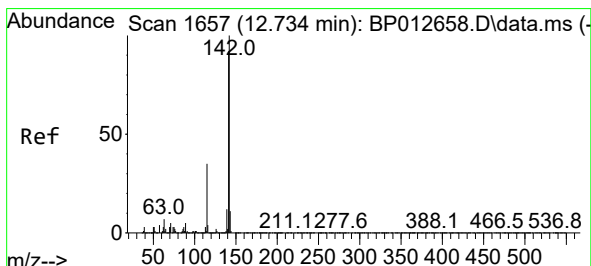
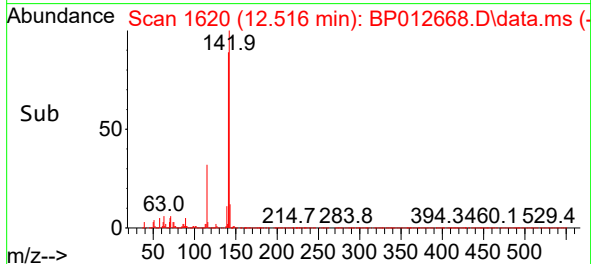
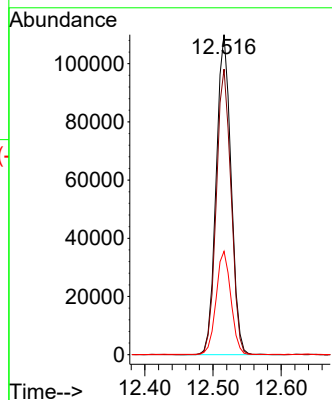
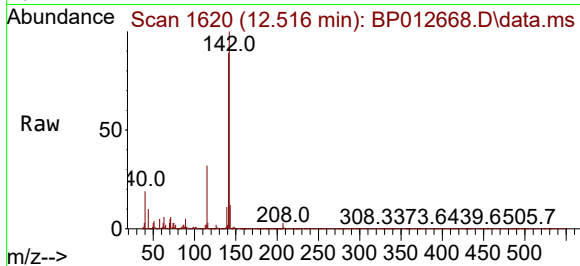




#37  
2-Methylnaphthalene  
Concen: 3.867 ng  
RT: 12.516 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

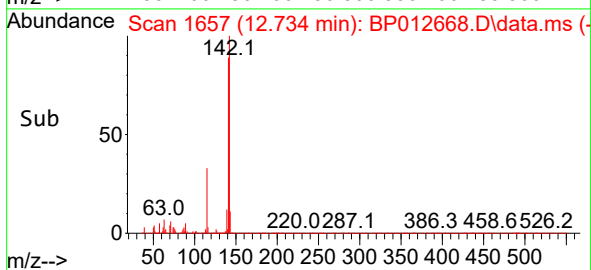
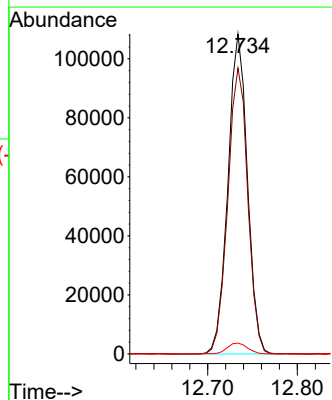
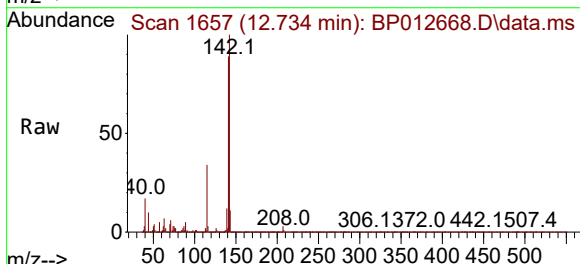
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

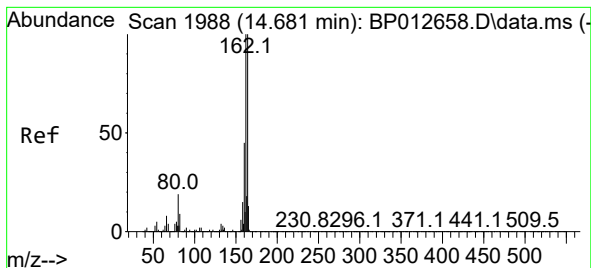
Tgt Ion:142 Resp: 166886  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.0 106.6  
115 32.3 26.2 39.4



#38  
1-Methylnaphthalene  
Concen: 3.853 ng  
RT: 12.734 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:142 Resp: 163360  
Ion Ratio Lower Upper  
142 100  
141 89.3 73.9 110.9  
116 3.4 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.681 min Scan# 1988

Delta R.T. -0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

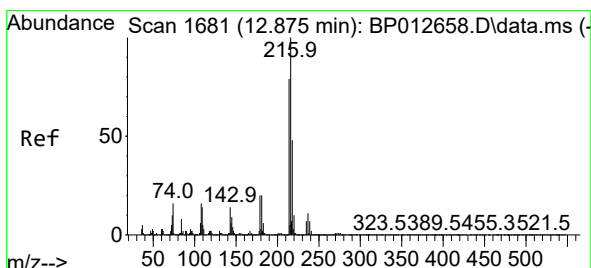
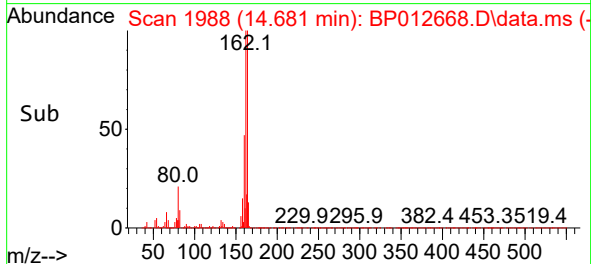
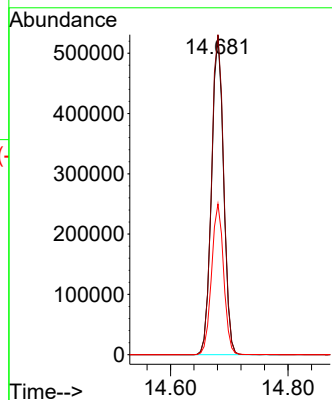
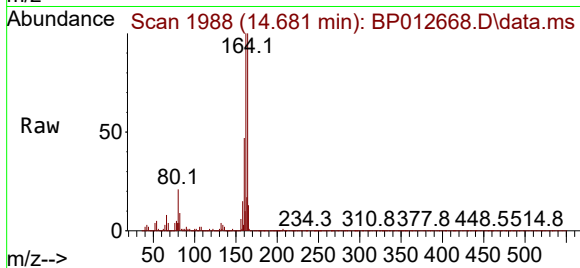
Tgt Ion:164 Resp: 749851

Ion Ratio Lower Upper

164 100

162 100.3 80.3 120.5

160 47.2 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.117 ng

RT: 12.875 min Scan# 1681

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:216 Resp: 90032

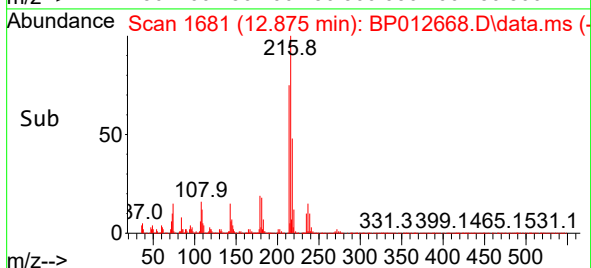
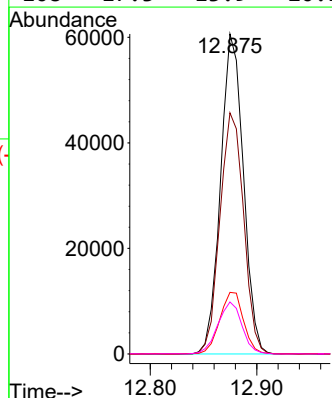
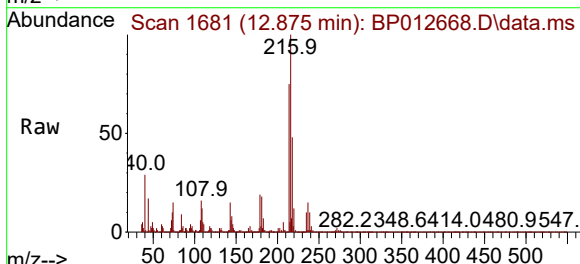
Ion Ratio Lower Upper

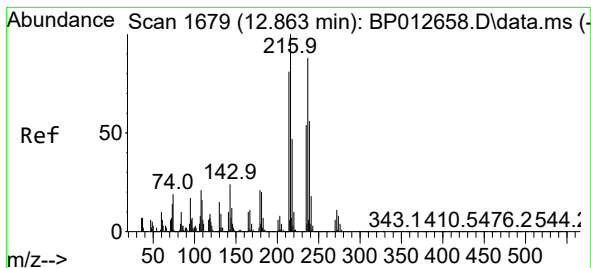
216 100

214 78.3 62.5 93.7

179 20.2 16.6 24.8

108 17.3 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 4.024 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

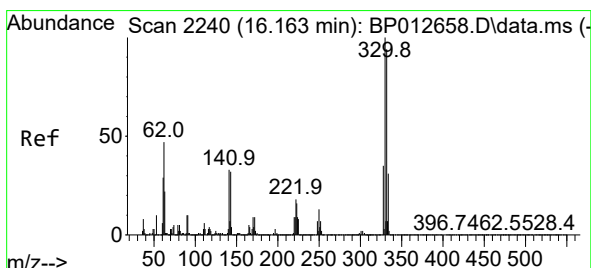
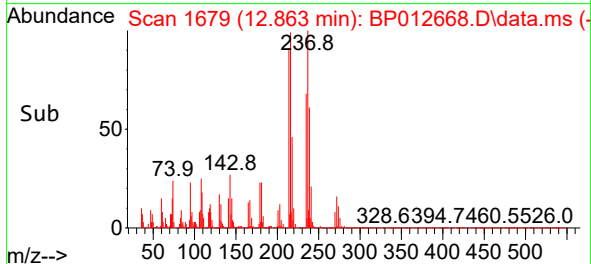
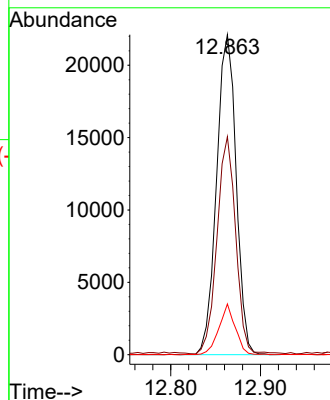
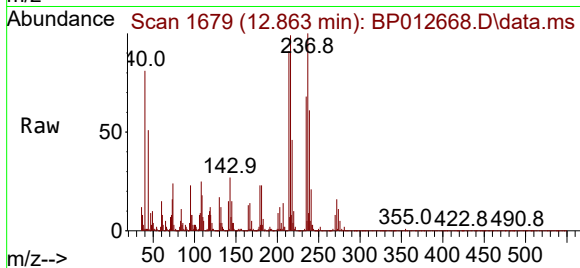
Tgt Ion:237 Resp: 33475

Ion Ratio Lower Upper

237 100

235 68.1 41.7 81.7

272 15.9 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 109.638 ng

RT: 16.169 min Scan# 2241

Delta R.T. 0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

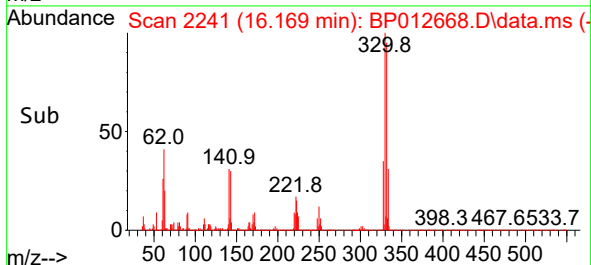
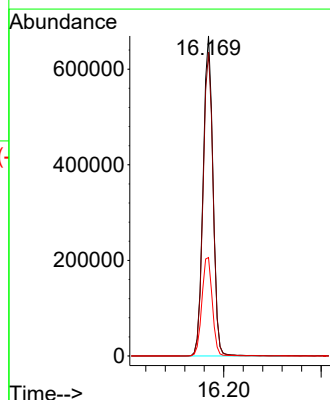
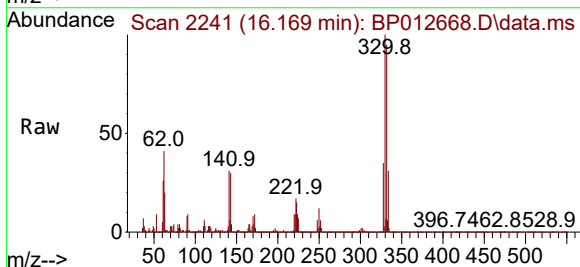
Tgt Ion:330 Resp: 940830

Ion Ratio Lower Upper

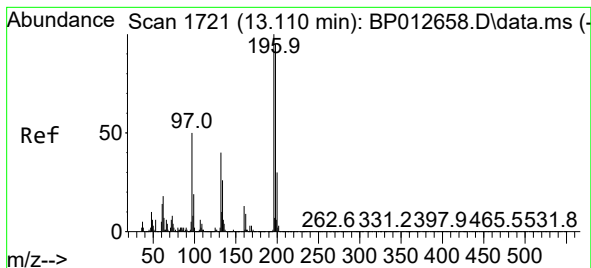
330 100

332 96.0 77.0 115.4

141 32.5 26.7 40.1







#43

2,4,6-Trichlorophenol

Concen: 3.377 ng

RT: 13.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

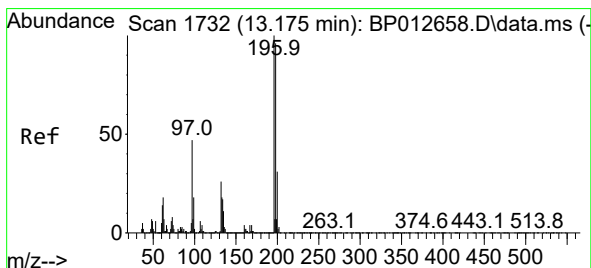
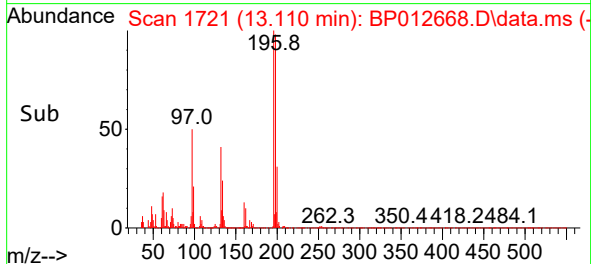
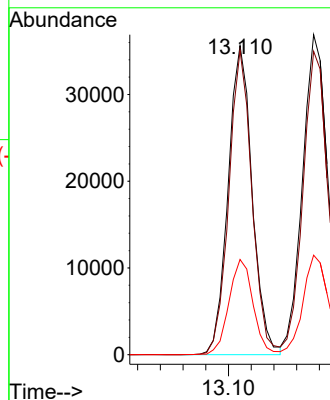
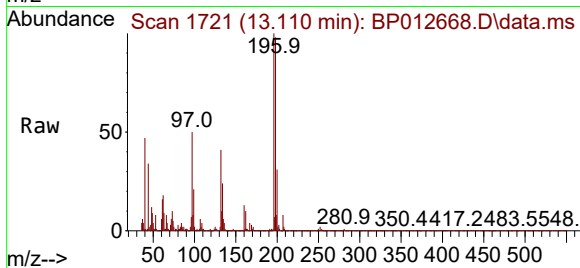
Tgt Ion:196 Resp: 52576

Ion Ratio Lower Upper

196 100

198 98.4 75.8 113.6

200 30.8 24.4 36.6



#44

2,4,5-Trichlorophenol

Concen: 3.322 ng

RT: 13.175 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:196 Resp: 57235

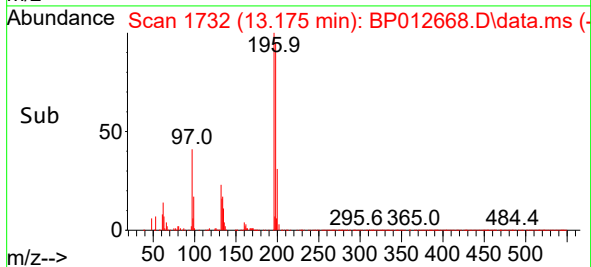
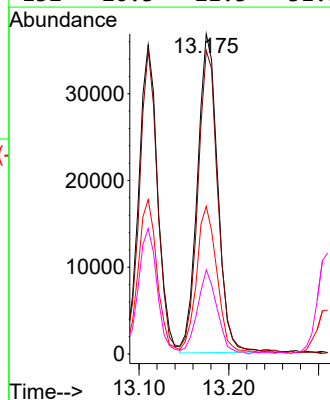
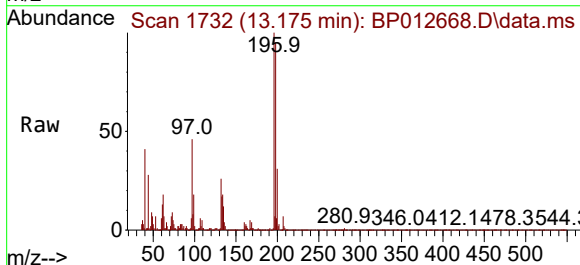
Ion Ratio Lower Upper

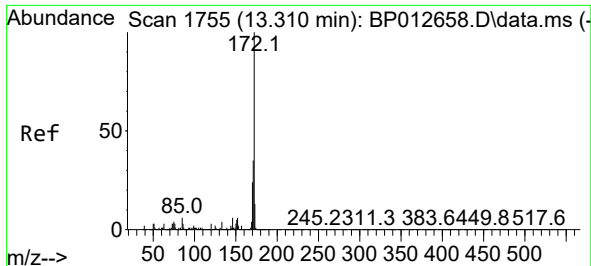
196 100

198 94.8 76.4 114.6

97 46.1 37.5 56.3

132 26.3 21.3 31.9

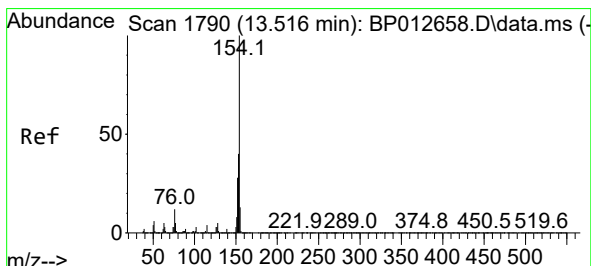
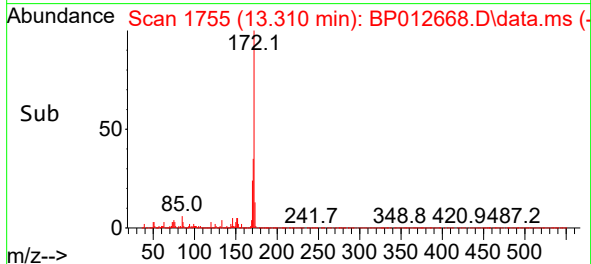
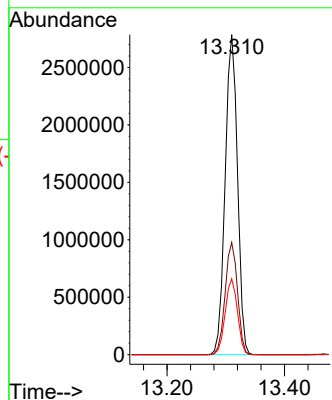
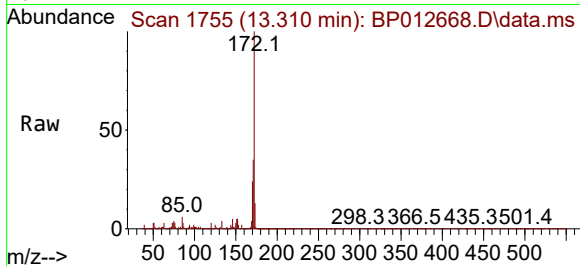




#45  
2-Fluorobiphenyl  
Concen: 81.212 ng  
RT: 13.310 min Scan# 1755  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

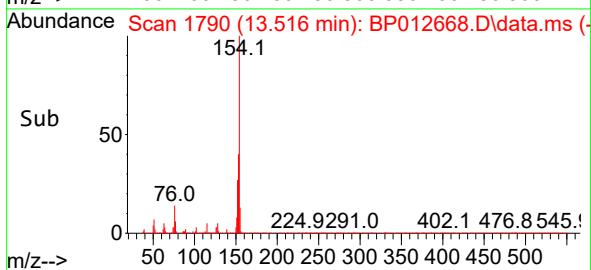
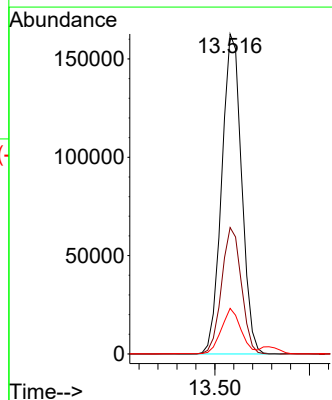
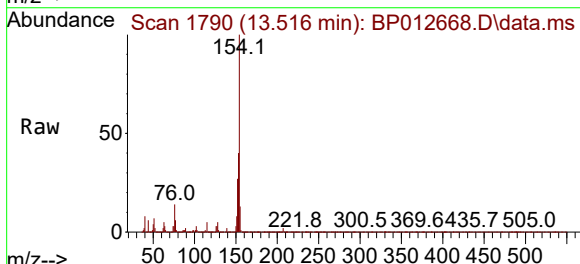
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

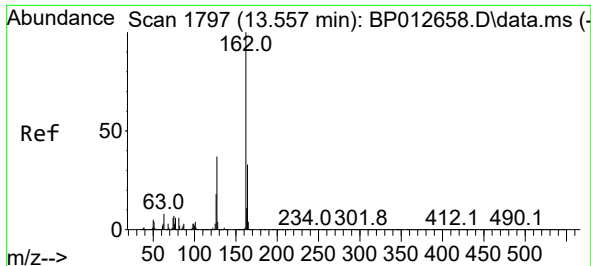
Tgt Ion:172 Resp: 4047205  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.3 42.5  
170 23.7 19.3 28.9



#46  
1,1'-Biphenyl  
Concen: 4.227 ng  
RT: 13.516 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:154 Resp: 237029  
Ion Ratio Lower Upper  
154 100  
153 39.5 19.6 59.6  
76 14.3 0.0 32.4

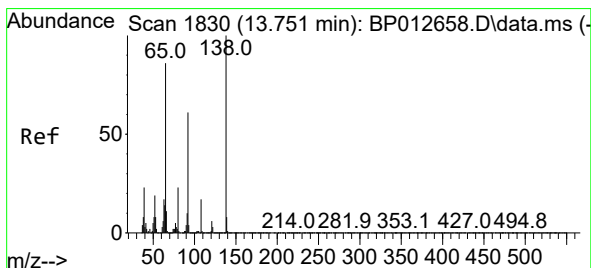
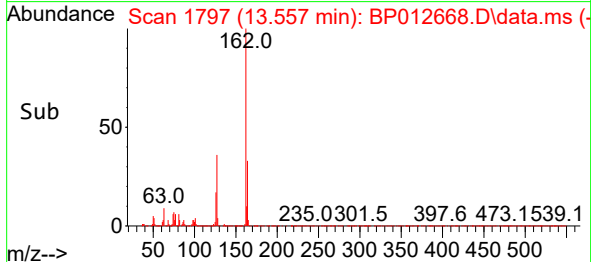
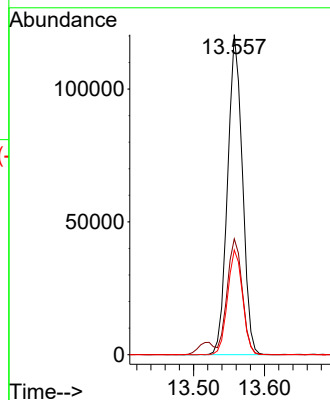
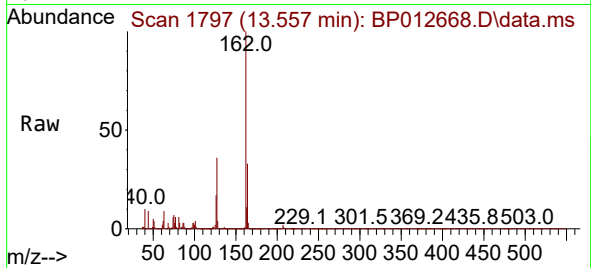




#47  
2-Chloronaphthalene  
Concen: 3.916 ng  
RT: 13.557 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

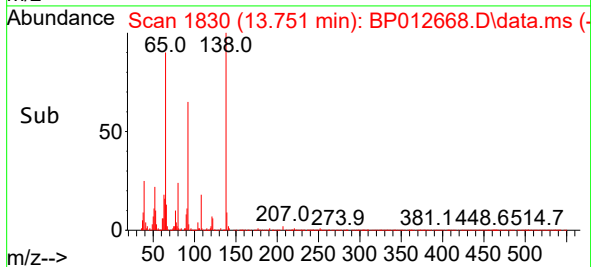
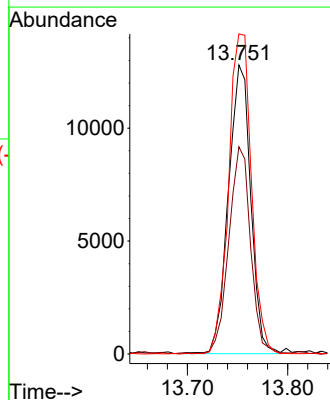
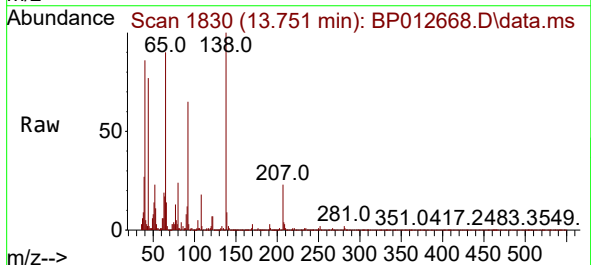
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

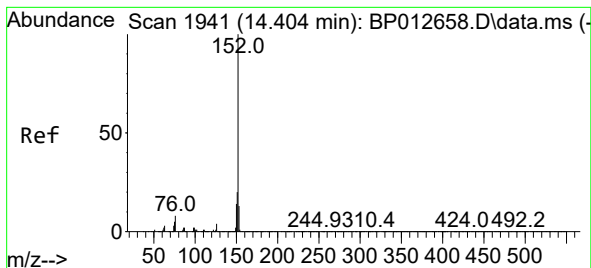
Tgt Ion:162 Resp: 174378  
Ion Ratio Lower Upper  
162 100  
127 36.2 29.4 44.2  
164 32.7 26.4 39.6



#48  
2-Nitroaniline  
Concen: 2.215 ng  
RT: 13.751 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion: 65 Resp: 19741  
Ion Ratio Lower Upper  
65 100  
92 71.7 56.7 85.1  
138 110.7 92.7 139.1





#49

Acenaphthylene

Concen: 3.775 ng

RT: 14.404 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

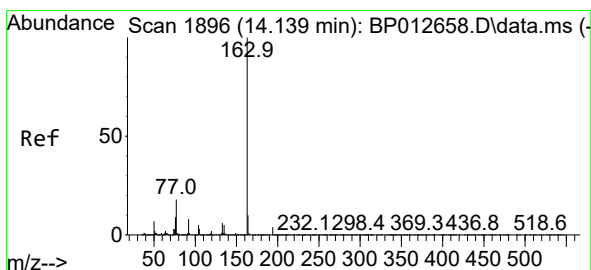
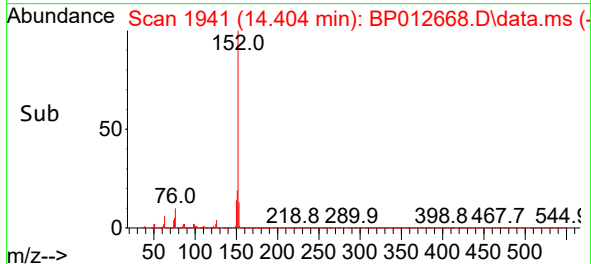
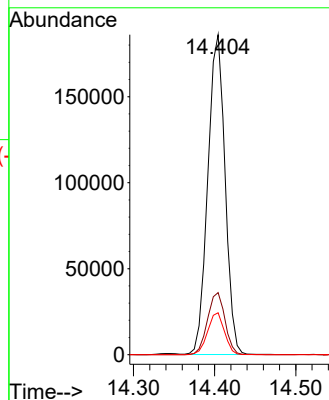
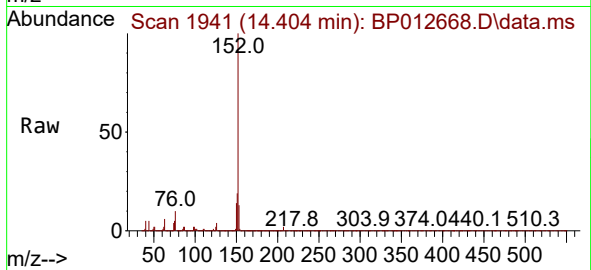
Tgt Ion:152 Resp: 274301

Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

153 13.1 10.6 15.8



#50

Dimethylphthalate

Concen: 3.638 ng

RT: 14.134 min Scan# 1895

Delta R.T. -0.005 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

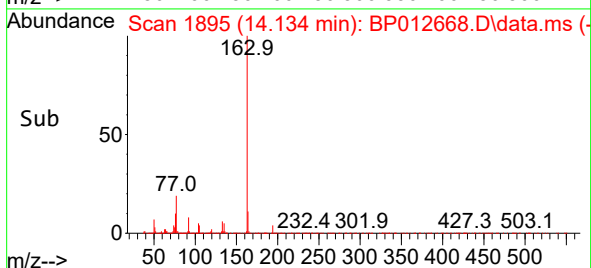
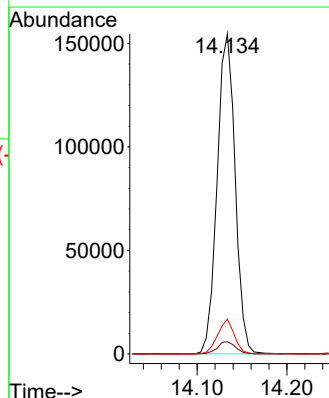
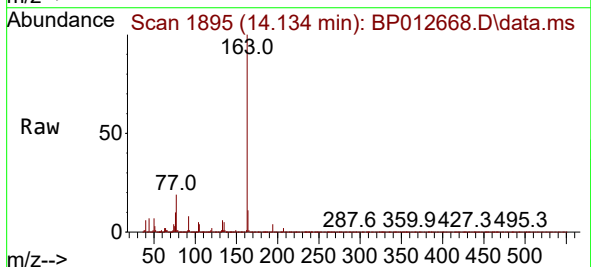
Tgt Ion:163 Resp: 214893

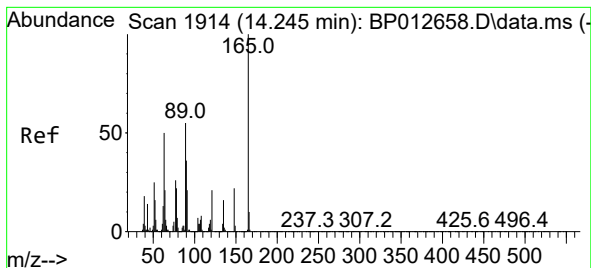
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.9 8.2 12.4

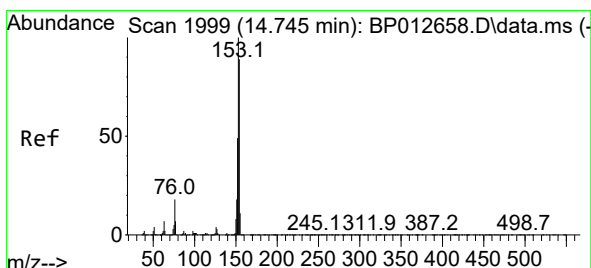
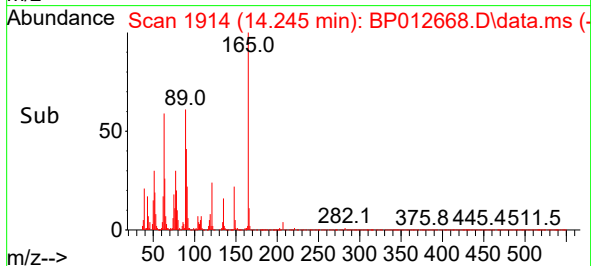
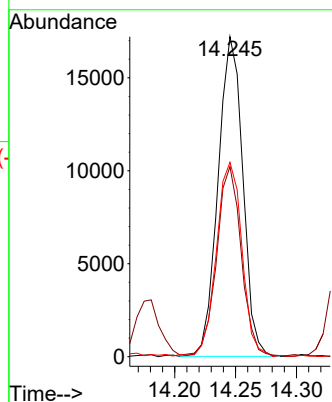
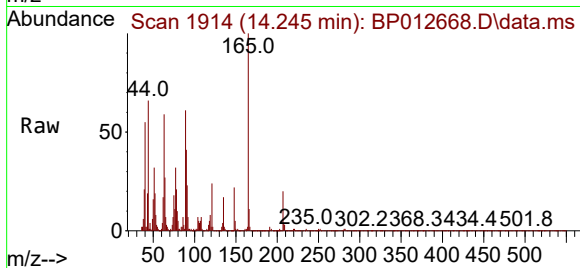




#51  
2,6-Dinitrotoluene  
Concen: 2.344 ng  
RT: 14.245 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

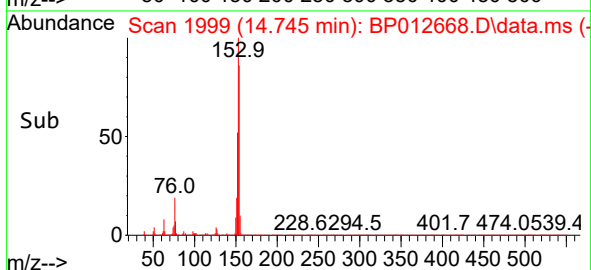
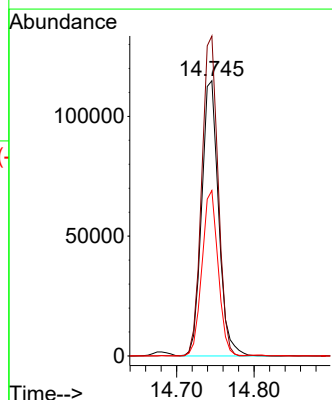
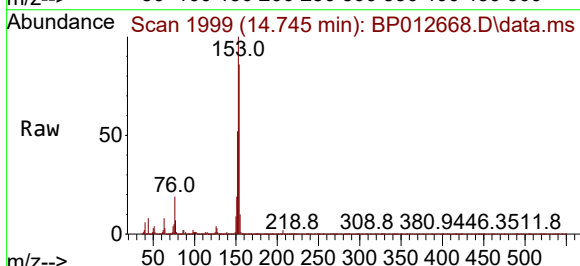
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

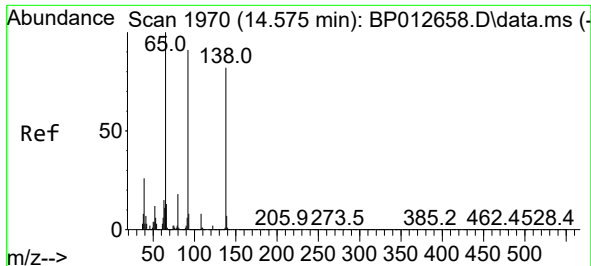
Tgt Ion:165 Resp: 24283  
Ion Ratio Lower Upper  
165 100  
63 59.4 42.6 63.8  
89 60.7 44.0 66.0



#52  
Acenaphthene  
Concen: 3.755 ng  
RT: 14.745 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:154 Resp: 174142  
Ion Ratio Lower Upper  
154 100  
153 116.3 90.2 135.2  
152 60.1 43.9 65.9

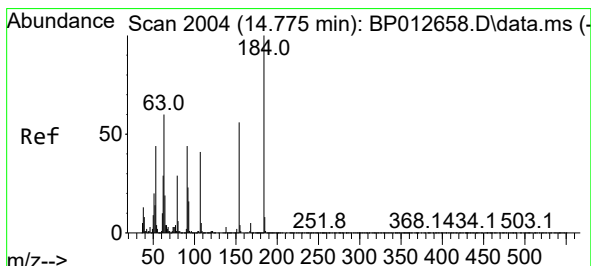
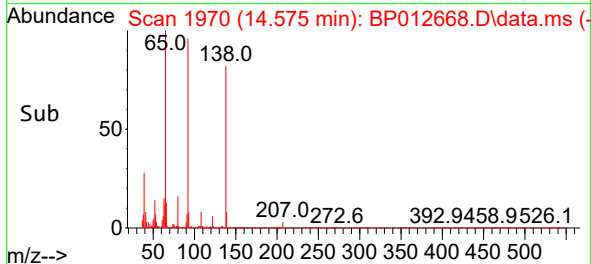
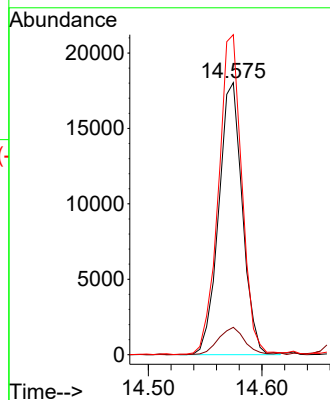
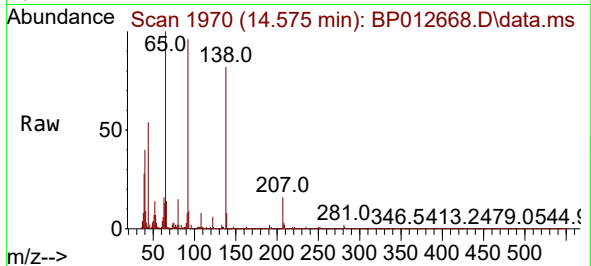




#53  
3-Nitroaniline  
Concen: 2.202 ng  
RT: 14.575 min Scan# 1970  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

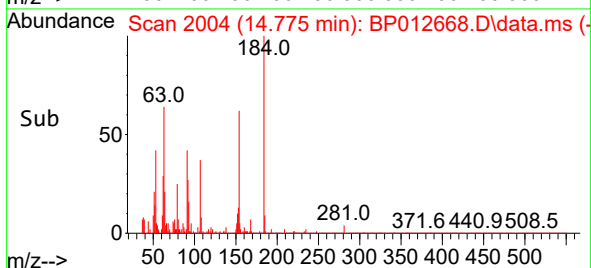
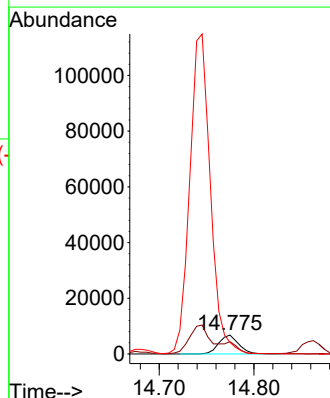
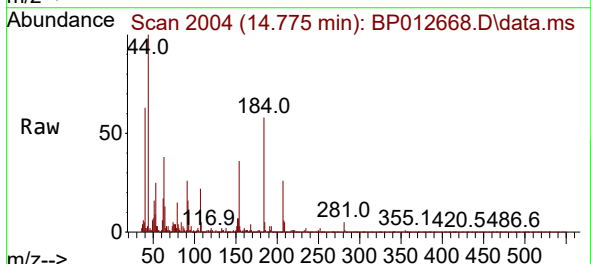
Instrument : BNA\_P  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

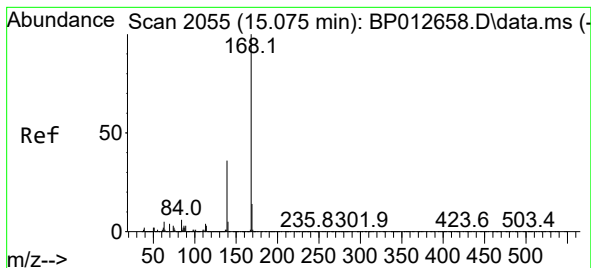
Tgt Ion:138 Resp: 26121  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.2 12.2  
92 117.7 89.1 133.7



#54  
2,4-Dinitrophenol  
Concen: 1.741 ng  
RT: 14.775 min Scan# 2004  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:184 Resp: 10010  
Ion Ratio Lower Upper  
184 100  
63 65.2 48.0 72.0  
154 62.0 47.1 70.7

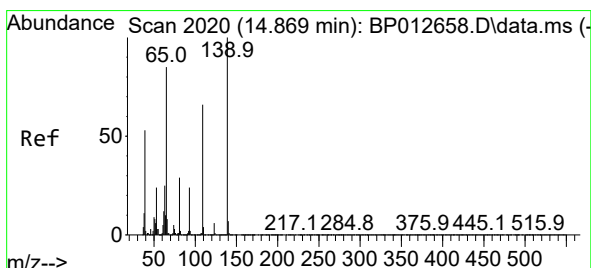
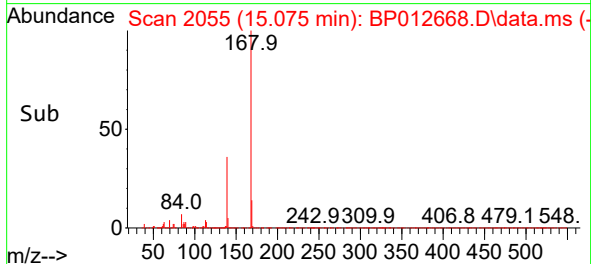
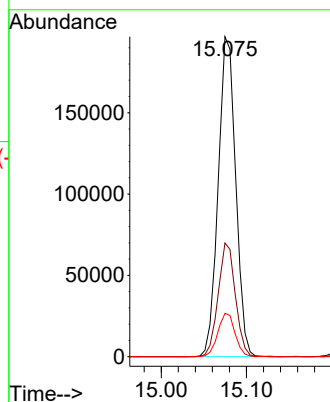
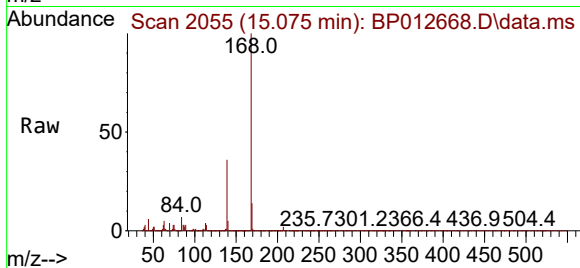




#55  
Dibenzofuran  
Concen: 4.019 ng  
RT: 15.075 min Scan# 2055  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

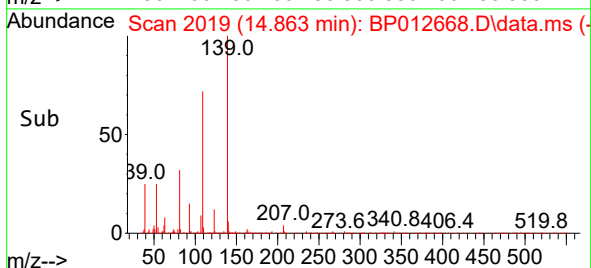
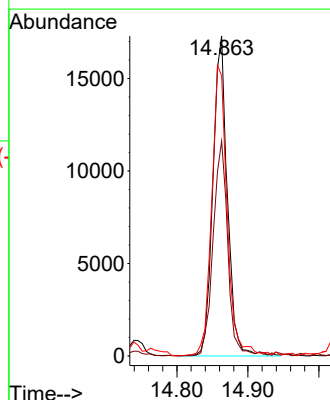
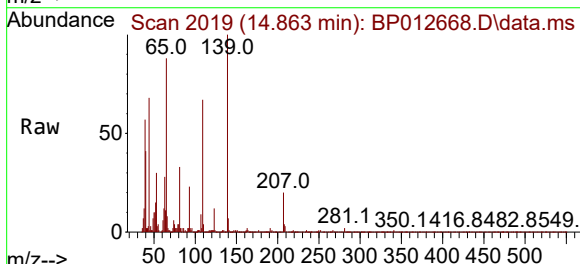
Instrument : BNA\_P  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

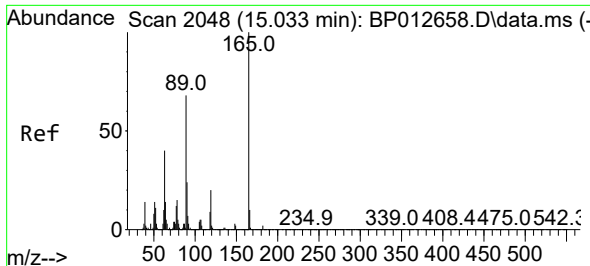
Tgt Ion:168 Resp: 281341  
Ion Ratio Lower Upper  
168 100  
139 35.6 29.0 43.6  
169 13.6 11.0 16.4



#56  
4-Nitrophenol  
Concen: 2.205 ng  
RT: 14.863 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:139 Resp: 24484  
Ion Ratio Lower Upper  
139 100  
109 67.2 45.7 85.7  
65 87.6 65.4 105.4

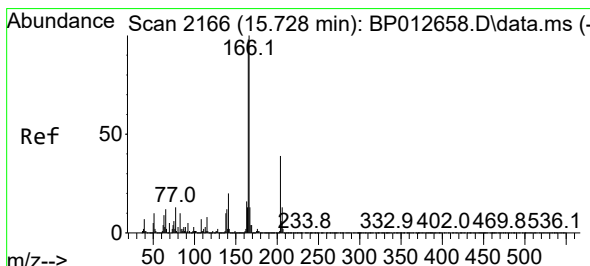
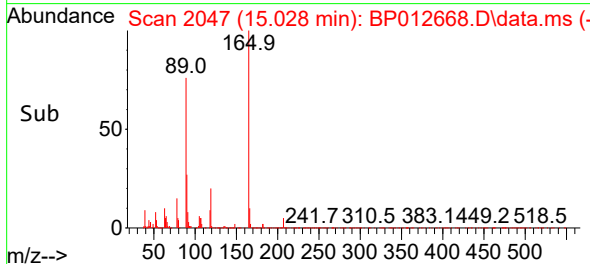
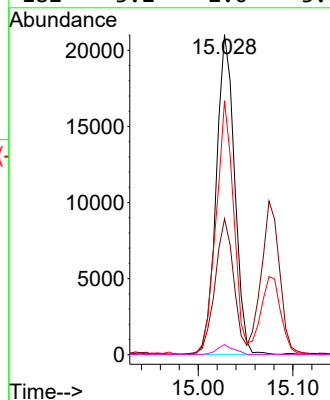
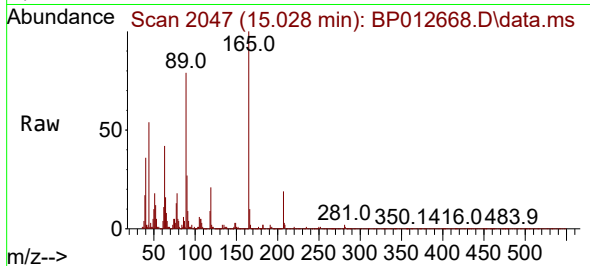




#57  
2,4-Dinitrotoluene  
Concen: 2.058 ng  
RT: 15.028 min Scan# 2047  
Delta R.T. -0.005 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

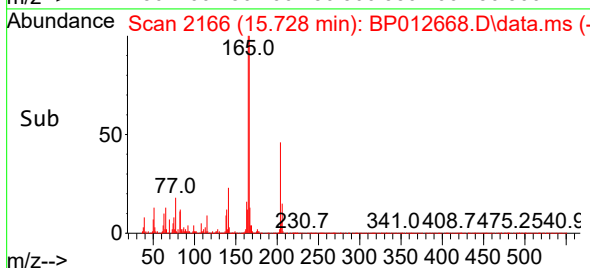
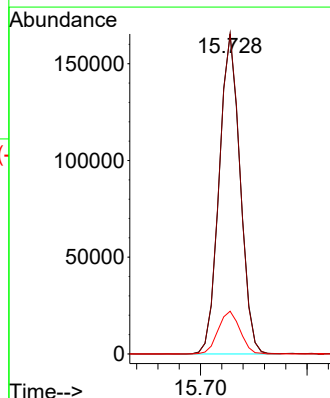
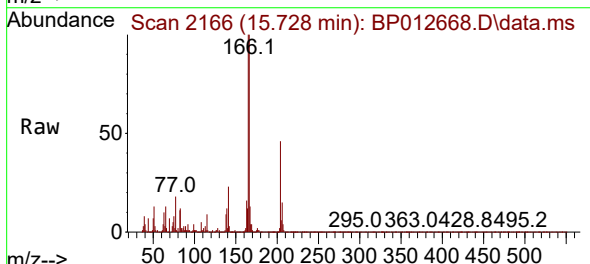
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:165 Resp: 28349  
Ion Ratio Lower Upper  
165 100  
63 42.5 32.0 48.0  
89 79.3 54.1 81.1  
182 3.2 2.0 3.0#

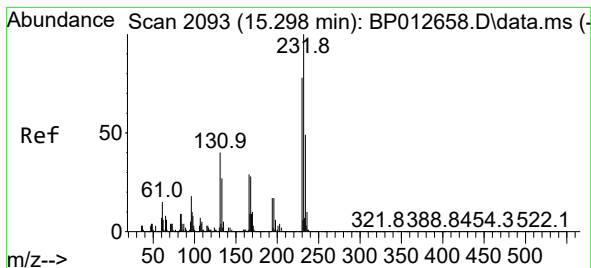


#58  
Fluorene  
Concen: 4.084 ng  
RT: 15.728 min Scan# 2166  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:166 Resp: 225018  
Ion Ratio Lower Upper  
166 100  
165 100.1 78.8 118.2  
167 13.4 10.8 16.2



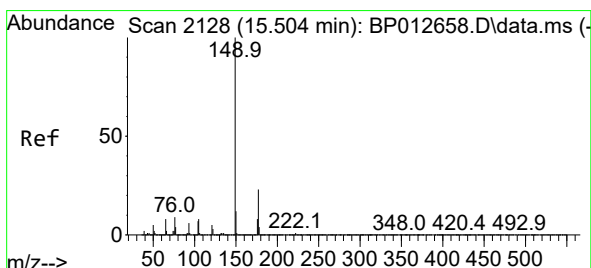
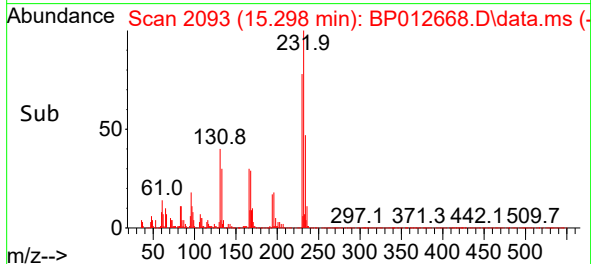
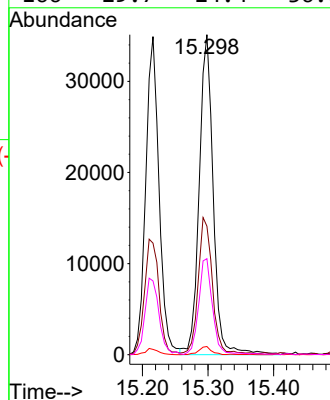
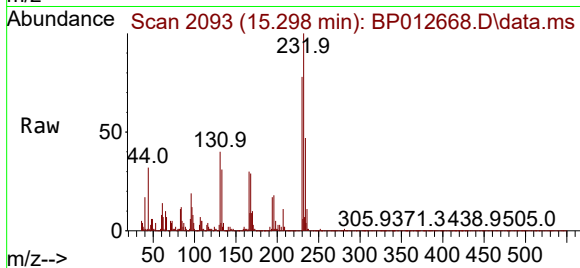




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.379 ng  
RT: 15.298 min Scan# 2093  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

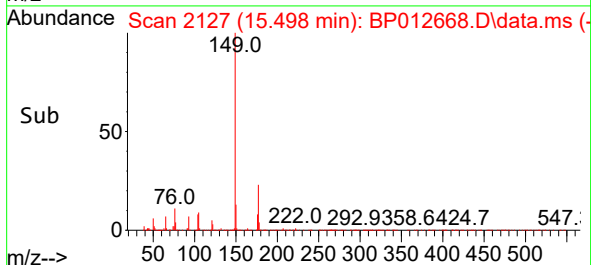
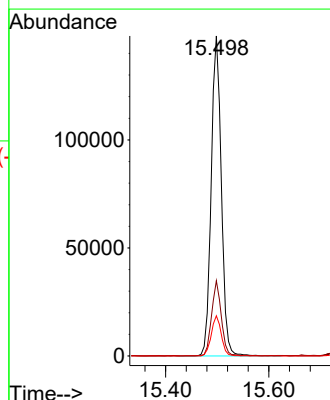
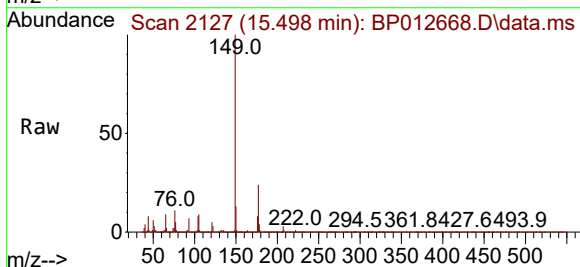
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

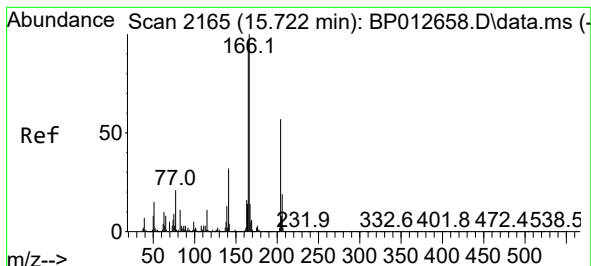
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 52406 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 42.3  | 34.3  | 51.5  |
| 130       | 2.3   | 1.8   | 2.6   |
| 166       | 29.7  | 24.4  | 36.6  |



#60  
Diethylphthalate  
Concen: 3.463 ng  
RT: 15.498 min Scan# 2127  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 201227 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 23.5  | 18.2  | 27.4   |
| 150       | 12.6  | 9.8   | 14.6   |

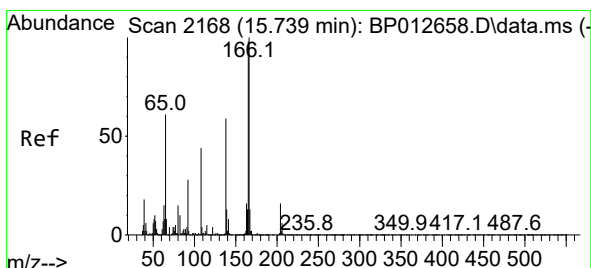
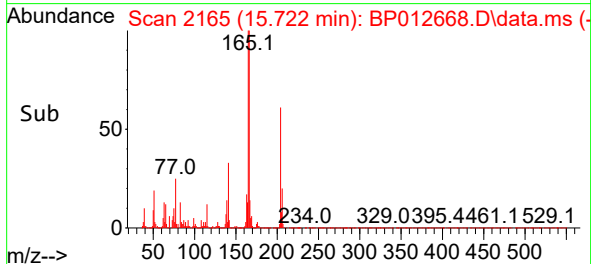
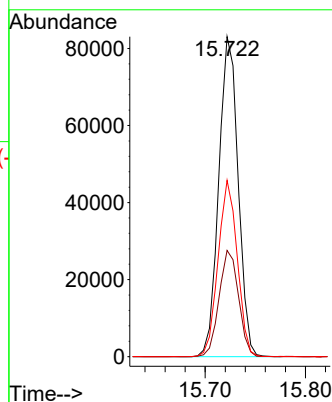
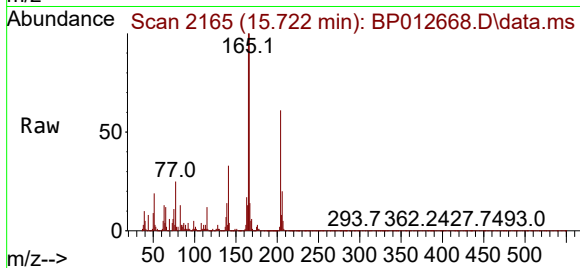




#61  
4-Chlorophenyl-phenylether  
Concen: 4.200 ng  
RT: 15.722 min Scan# 2165  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

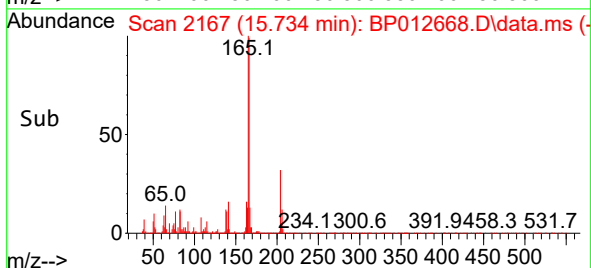
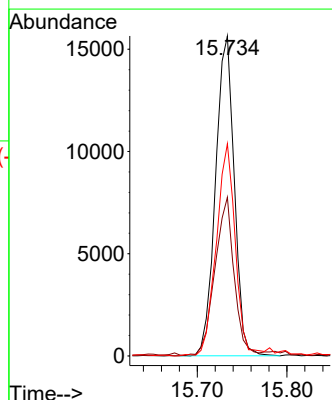
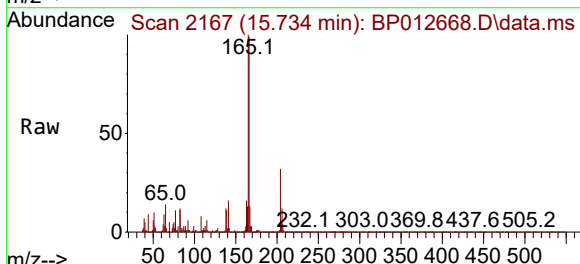
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

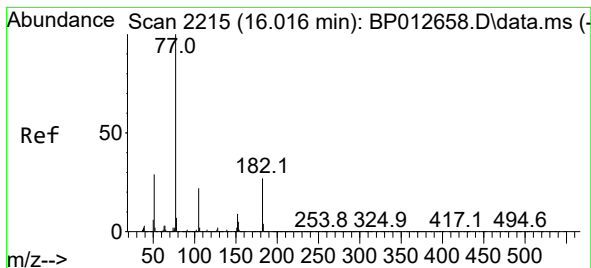
Tgt Ion:204 Resp: 111245  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.9 40.3  
141 55.1 44.3 66.5



#62  
4-Nitroaniline  
Concen: 1.953 ng  
RT: 15.734 min Scan# 2167  
Delta R.T. -0.005 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:138 Resp: 22664  
Ion Ratio Lower Upper  
138 100  
92 49.6 28.2 68.2  
108 66.3 53.7 93.7





#63

Azobenzene

Concen: 3.666 ng

RT: 16.016 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 194614

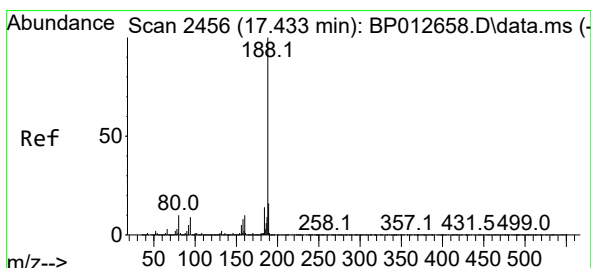
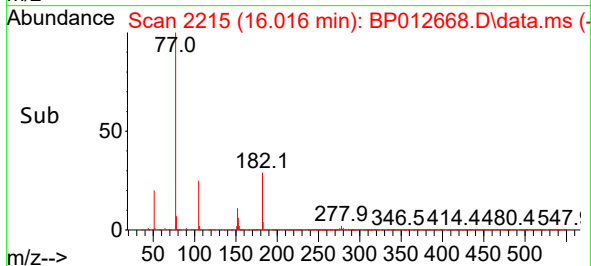
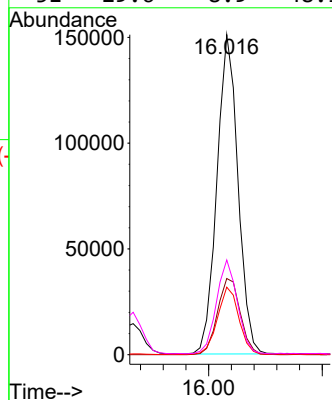
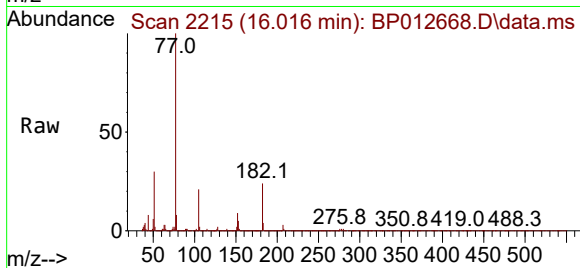
Ion Ratio Lower Upper

77 100

182 23.8 7.1 47.1

105 21.1 1.9 41.9

51 29.6 8.9 48.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.433 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

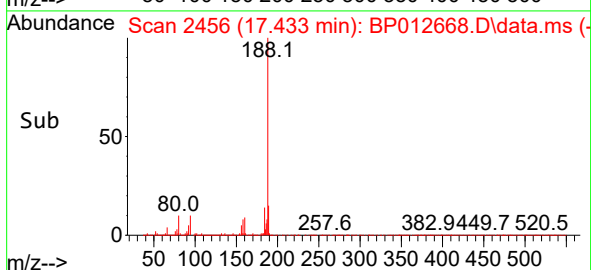
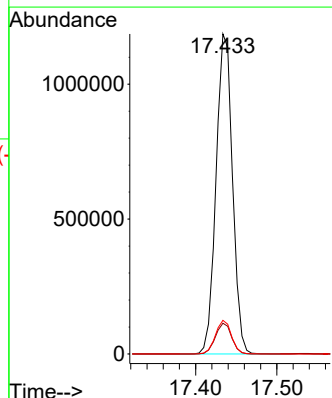
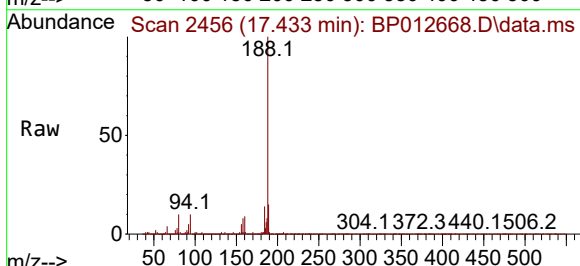
Tgt Ion:188 Resp: 1668670

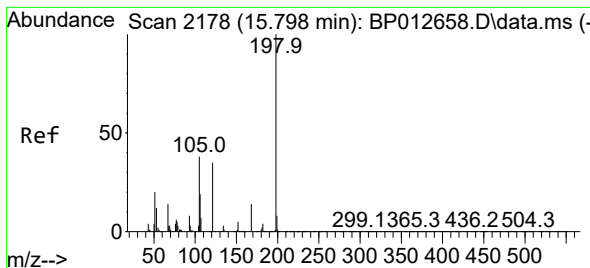
Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.5 8.2 12.2

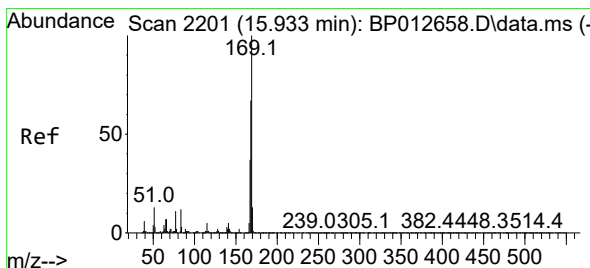
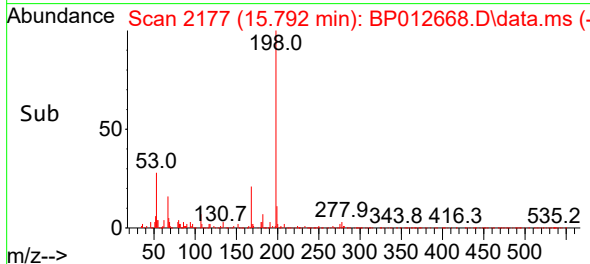
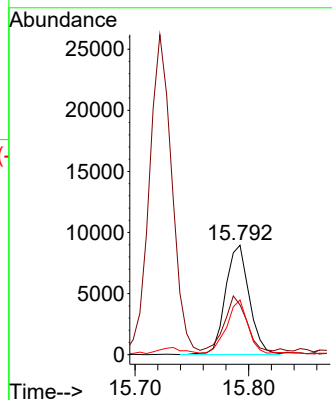
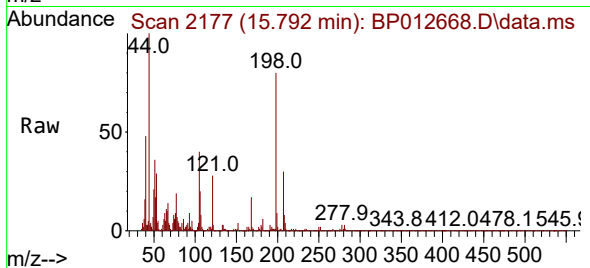




#65  
4,6-Dinitro-2-methylphenol  
Concen: 1.585 ng  
RT: 15.792 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

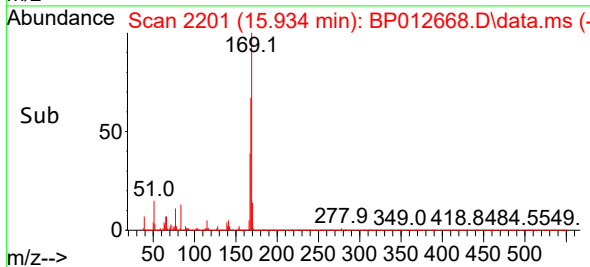
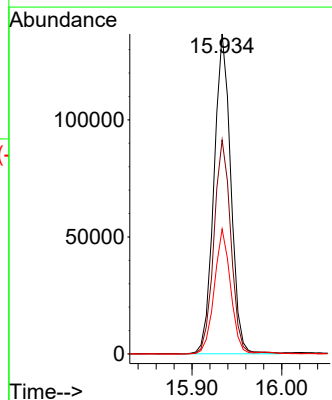
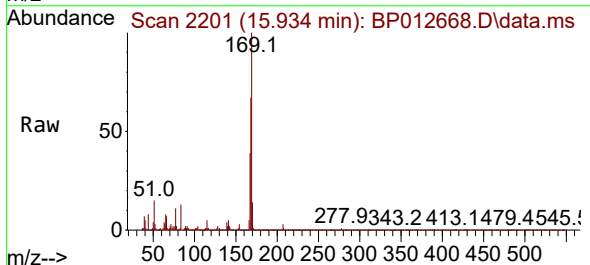
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

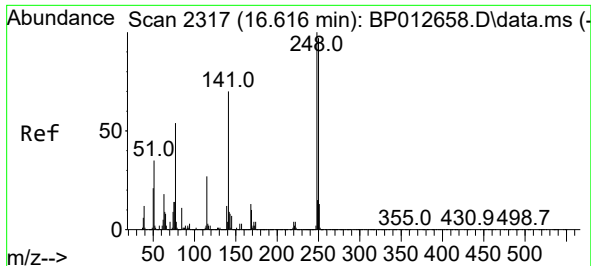
Tgt Ion:198 Resp: 12990  
Ion Ratio Lower Upper  
198 100  
51 45.5 18.2 58.2  
105 50.0 19.6 59.6



#66  
n-Nitrosodiphenylamine  
Concen: 3.578 ng  
RT: 15.934 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:169 Resp: 177948  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.5 80.3  
167 39.0 29.3 43.9

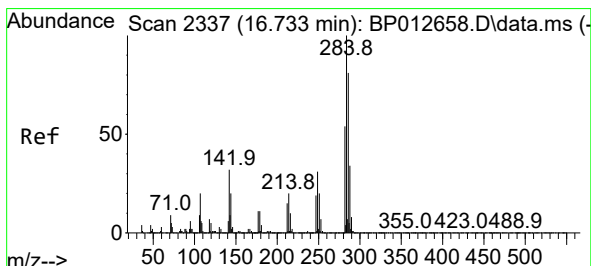
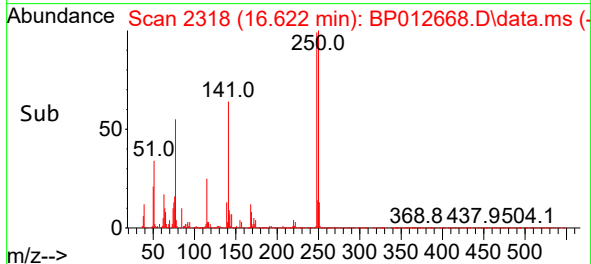
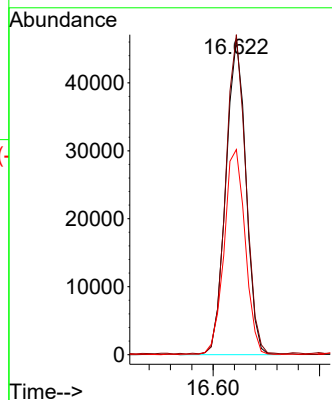
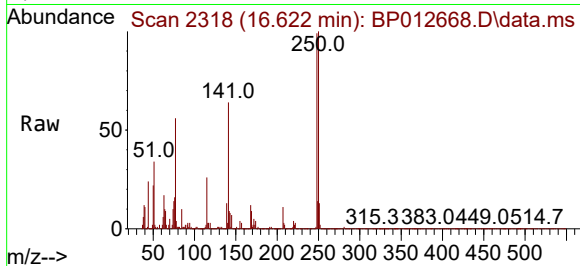




#67  
4-Bromophenyl-phenylether  
Concen: 3.481 ng  
RT: 16.622 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

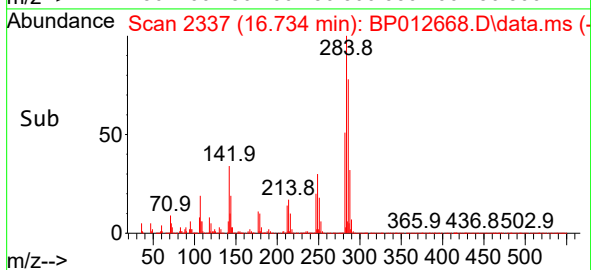
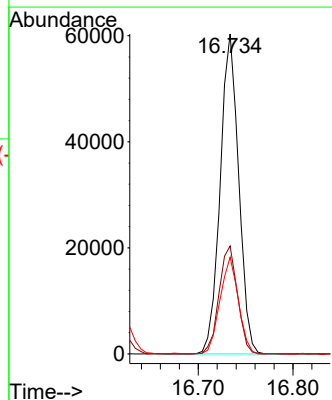
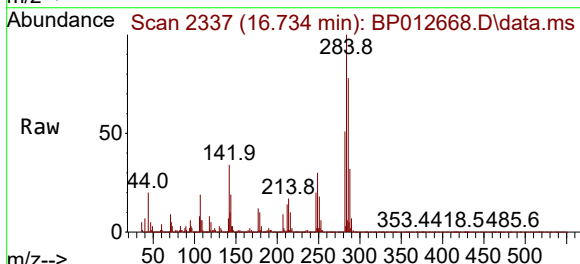
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

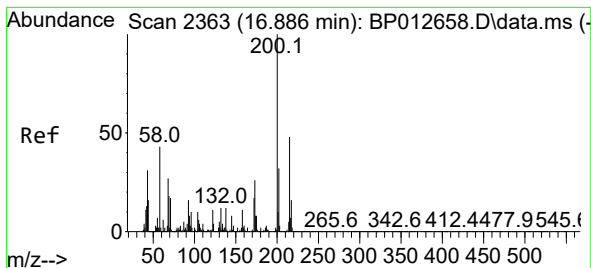
Tgt Ion:248 Resp: 60739  
Ion Ratio Lower Upper  
248 100  
250 101.2 77.4 116.2  
141 64.9 55.6 83.4



#68  
Hexachlorobenzene  
Concen: 4.048 ng  
RT: 16.734 min Scan# 2337  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:284 Resp: 81923  
Ion Ratio Lower Upper  
284 100  
142 33.7 25.8 38.6  
249 30.3 25.0 37.4





#69

Atrazine

Concen: 3.341 ng

RT: 16.886 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

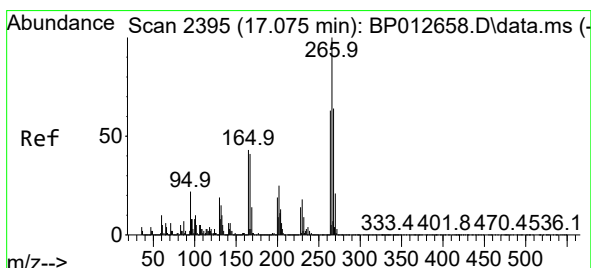
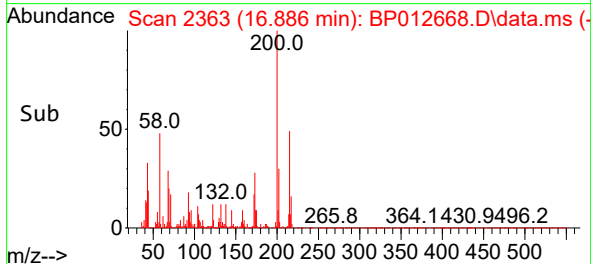
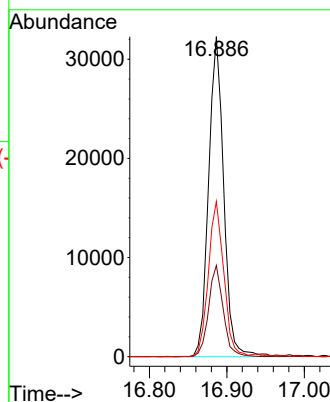
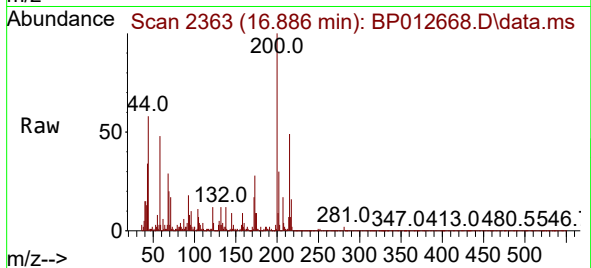
Tgt Ion:200 Resp: 43773

Ion Ratio Lower Upper

200 100

173 28.5 6.2 46.2

215 48.5 28.4 68.4



#70

Pentachlorophenol

Concen: 3.050 ng

RT: 17.075 min Scan# 2395

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

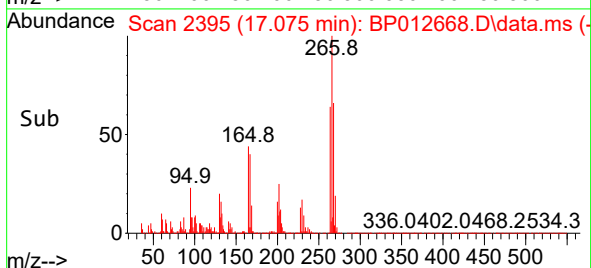
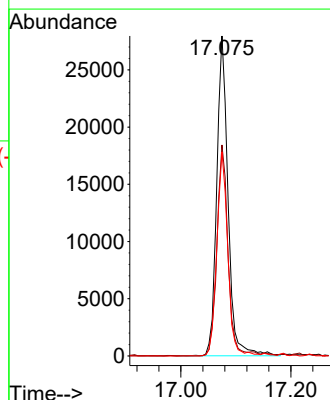
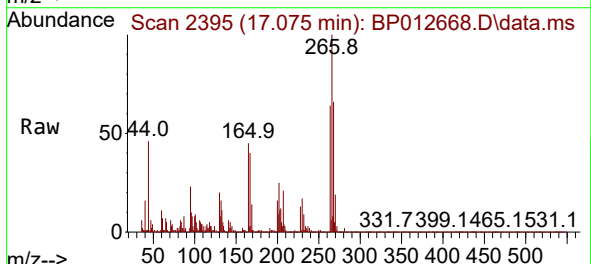
Tgt Ion:266 Resp: 40052

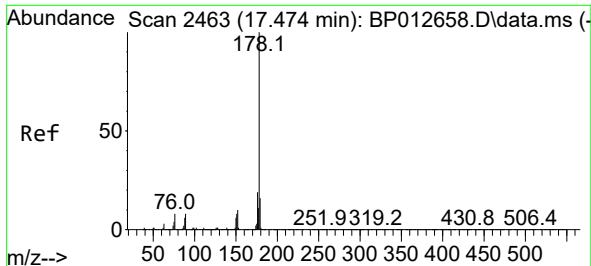
Ion Ratio Lower Upper

266 100

268 65.9 51.4 77.0

264 63.8 50.6 75.8

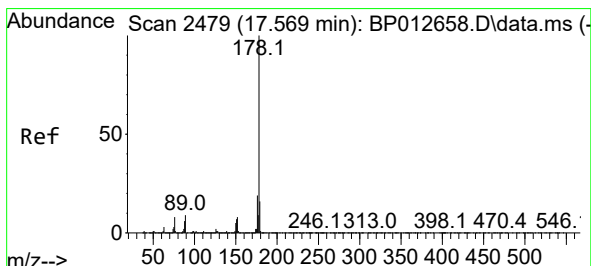
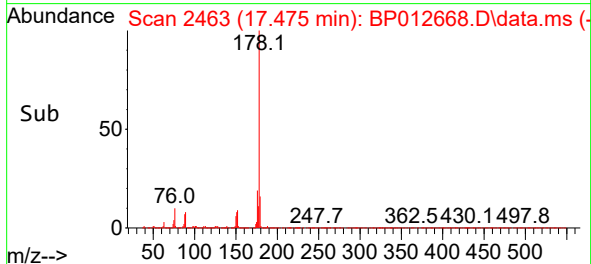
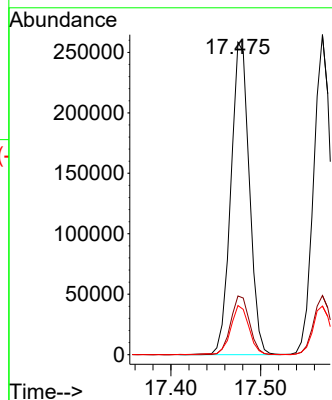
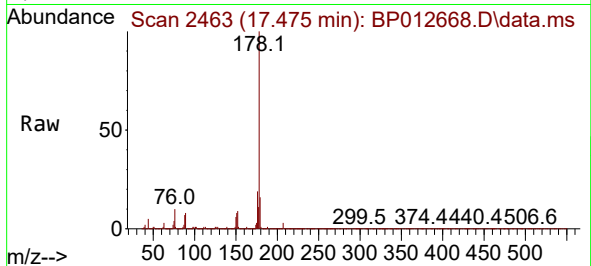




#71  
Phenanthrene  
Concen: 3.900 ng  
RT: 17.475 min Scan# 2463  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

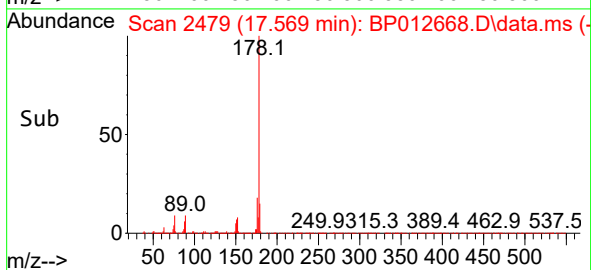
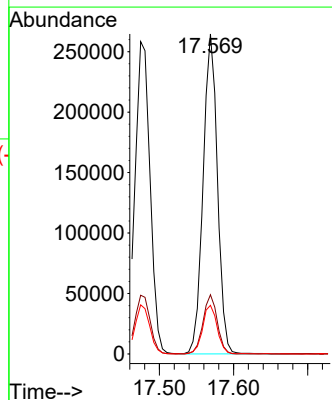
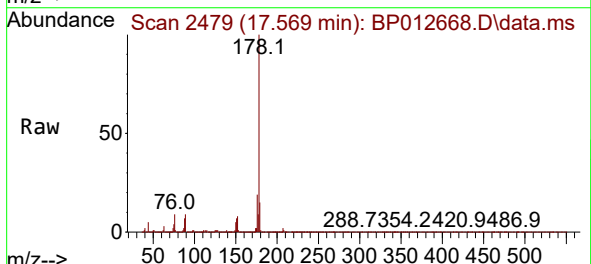
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

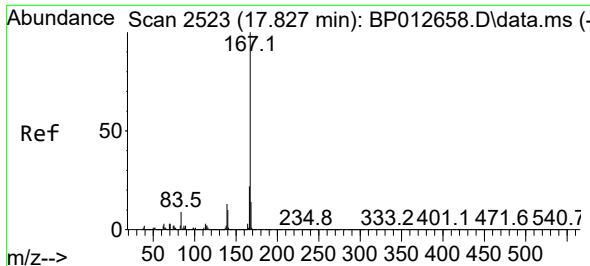
Tgt Ion:178 Resp: 369136  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.5 23.3  
179 15.8 12.5 18.7



#72  
Anthracene  
Concen: 3.905 ng  
RT: 17.569 min Scan# 2479  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:178 Resp: 356598  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.3 22.9  
179 15.2 12.8 19.2

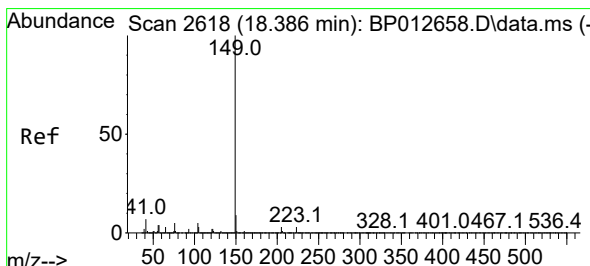
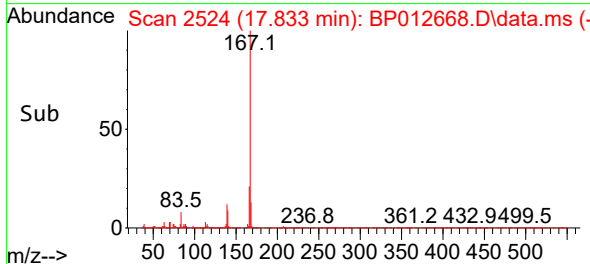
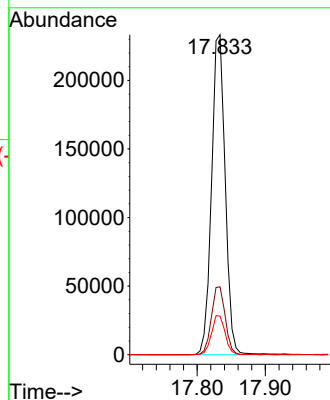
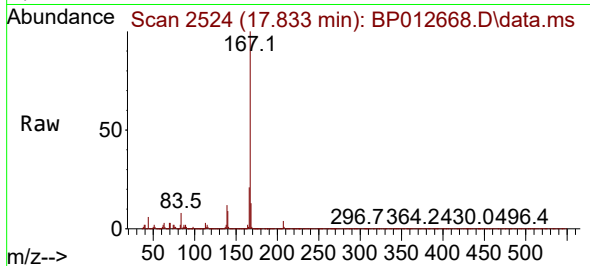




#73  
Carbazole  
Concen: 3.753 ng  
RT: 17.833 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

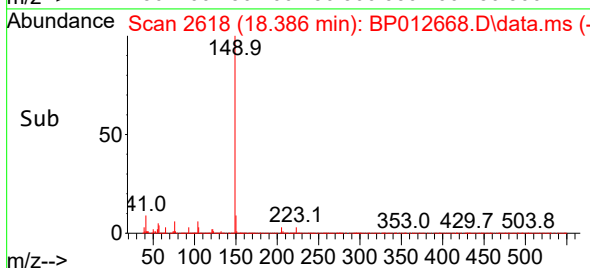
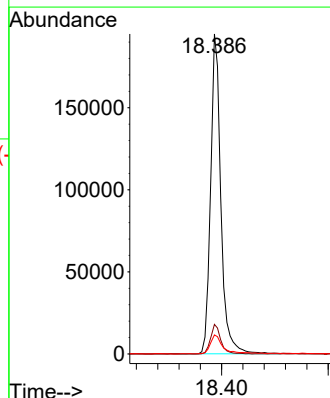
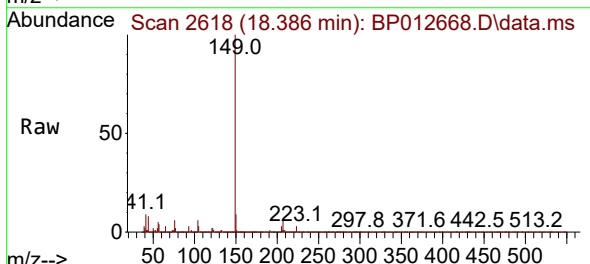
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:167 Resp: 325453  
Ion Ratio Lower Upper  
167 100  
166 21.2 17.4 26.2  
139 12.1 10.2 15.2

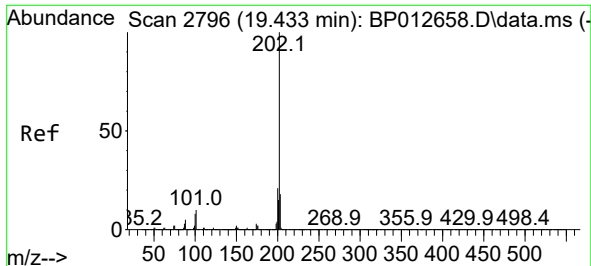


#74  
Di-n-butylphthalate  
Concen: 2.877 ng  
RT: 18.386 min Scan# 2618  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:149 Resp: 260178  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 5.9 4.0 6.0



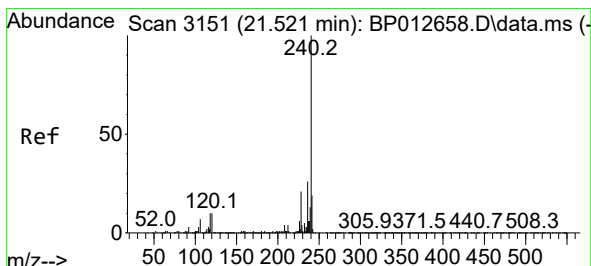
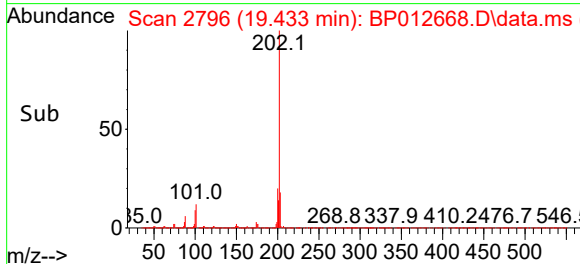
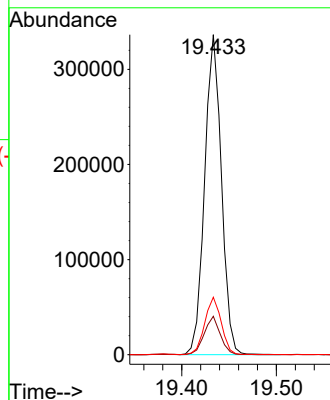
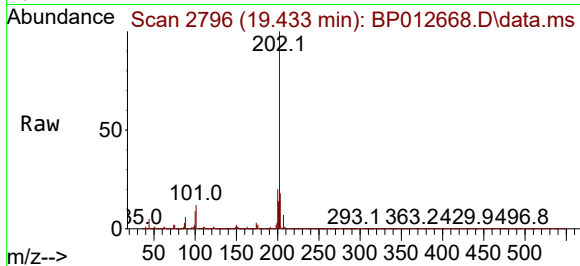




#75  
Fluoranthene  
Concen: 3.678 ng  
RT: 19.433 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

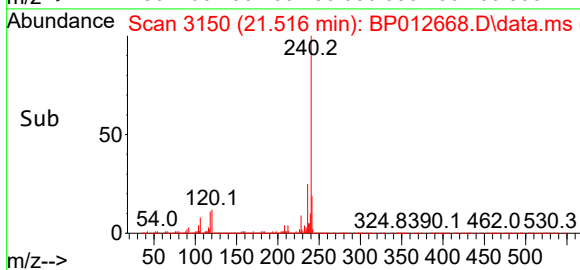
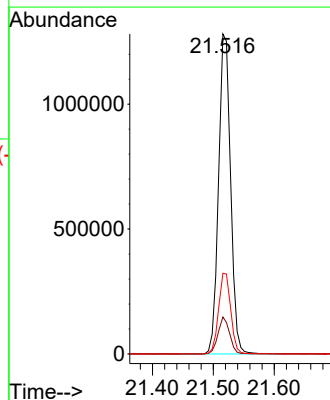
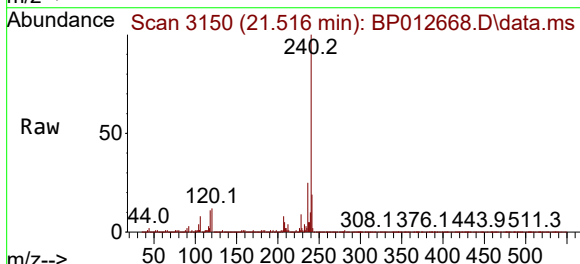
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

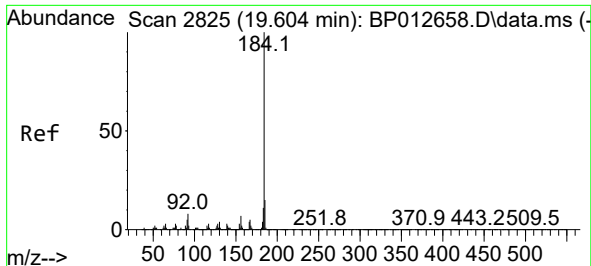
Tgt Ion:202 Resp: 412380  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 30.4  
203 18.0 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.516 min Scan# 3150  
Delta R.T. -0.005 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:240 Resp: 1751902  
Ion Ratio Lower Upper  
240 100  
120 11.5 8.2 12.2  
236 25.2 20.4 30.6

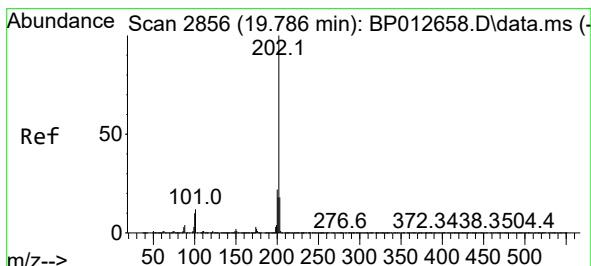
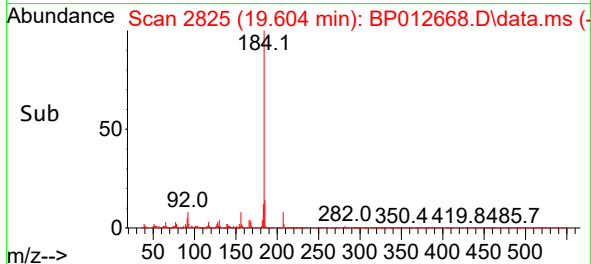
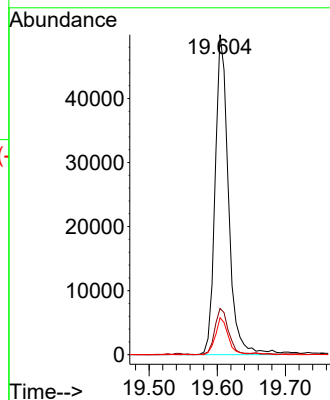
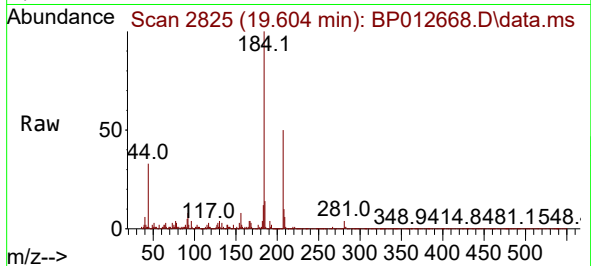




#77  
Benzidine  
Concen: 2.829 ng  
RT: 19.604 min Scan# 2825  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

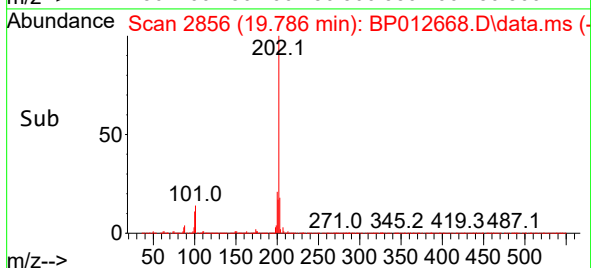
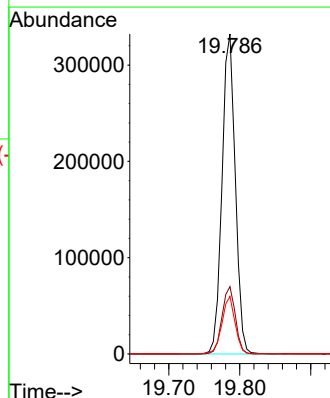
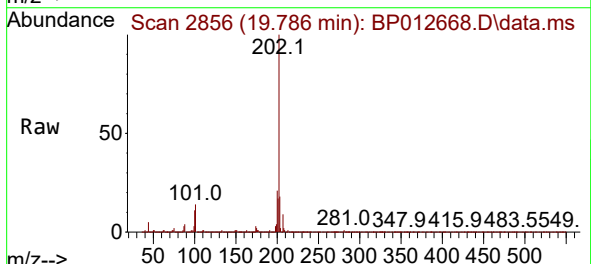
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

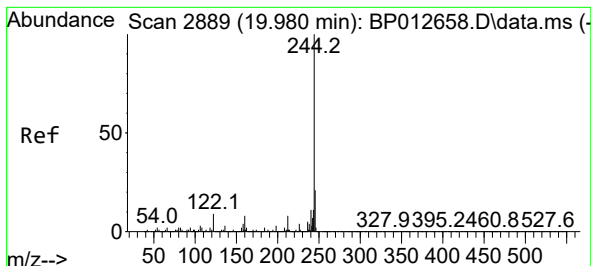
Tgt Ion:184 Resp: 68129  
Ion Ratio Lower Upper  
184 100  
185 14.4 12.2 18.2  
183 11.6 9.0 13.4



#78  
Pyrene  
Concen: 3.467 ng  
RT: 19.786 min Scan# 2856  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:202 Resp: 429210  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.4 26.0  
203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 82.790 ng

RT: 19.986 min Scan# 2889

Delta R.T. 0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

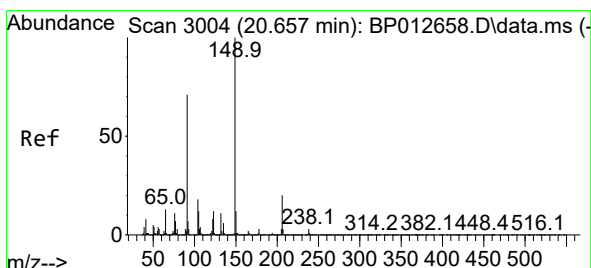
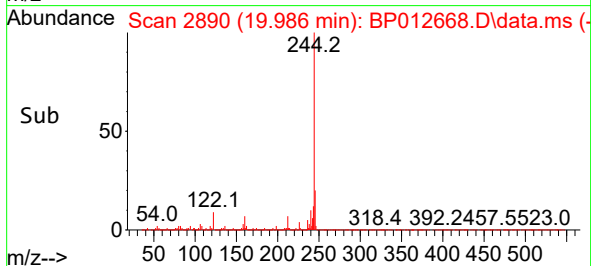
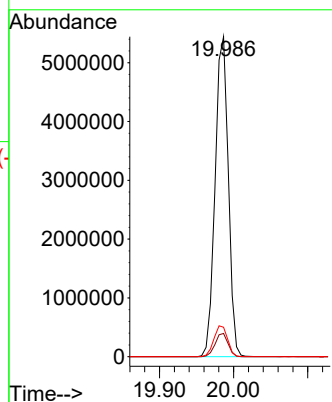
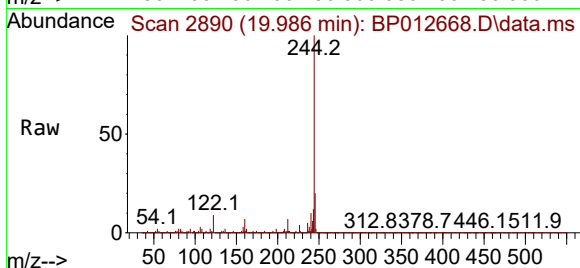
Tgt Ion:244 Resp: 6712843

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

122 9.2 7.5 11.3



#80

Butylbenzylphthalate

Concen: 2.228 ng

RT: 20.657 min Scan# 3004

Delta R.T. -0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

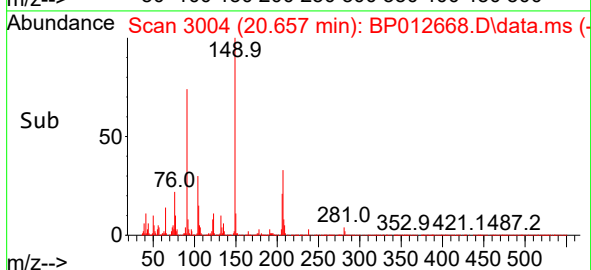
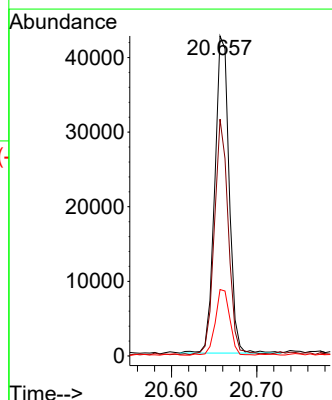
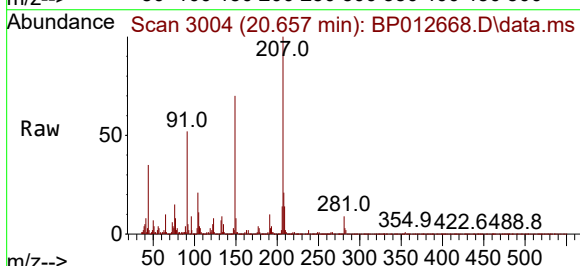
Tgt Ion:149 Resp: 49793

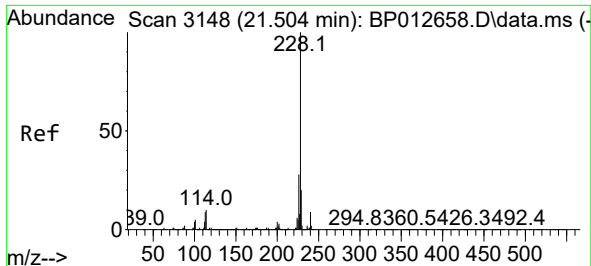
Ion Ratio Lower Upper

149 100

91 74.0 56.9 85.3

206 20.7 16.1 24.1

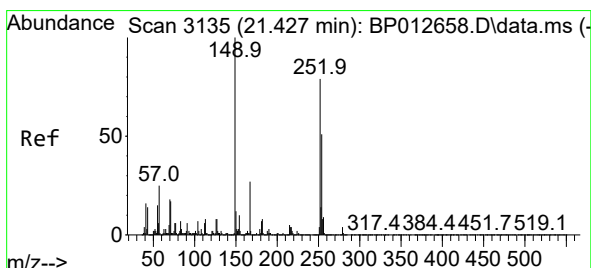
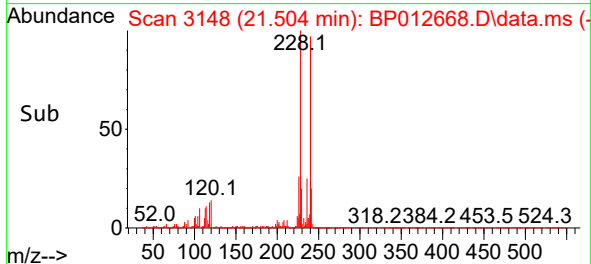
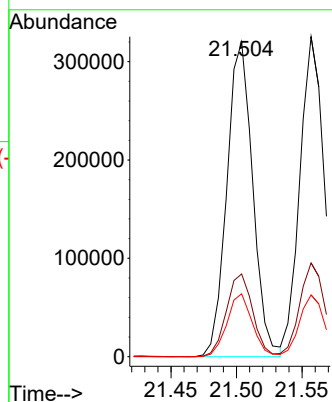
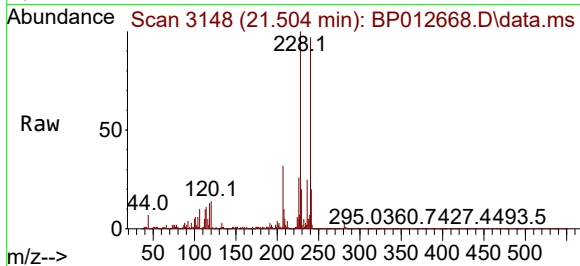




#81  
Benzo(a)anthracene  
Concen: 3.575 ng  
RT: 21.504 min Scan# 3148  
Delta R.T. -0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

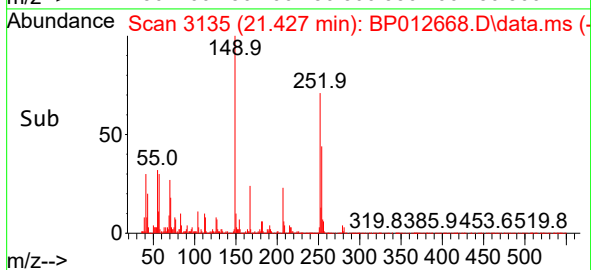
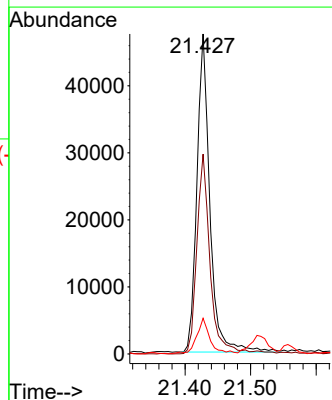
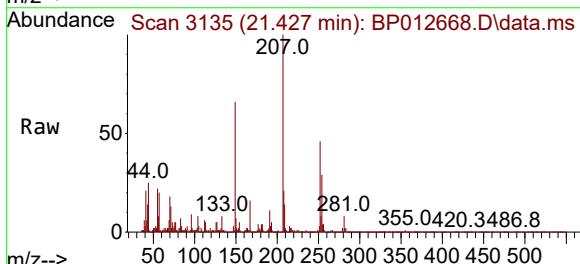
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

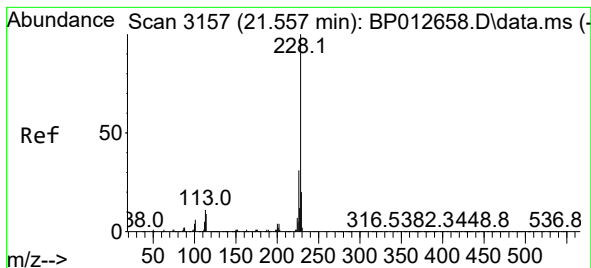
Tgt Ion:228 Resp: 439077  
Ion Ratio Lower Upper  
228 100  
226 26.3 22.2 33.2  
229 20.0 16.2 24.2



#82  
3,3'-Dichlorobenzidine  
Concen: 2.111 ng  
RT: 21.427 min Scan# 3135  
Delta R.T. 0.000 min  
Lab File: BP012668.D  
Acq: 18 Nov 2022 10:43

Tgt Ion:252 Resp: 65255  
Ion Ratio Lower Upper  
252 100  
254 62.4 51.9 77.9  
126 11.2 8.2 12.4





#83

Chrysene

Concen: 3.644 ng

RT: 21.557 min Scan# 3157

Delta R.T. -0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

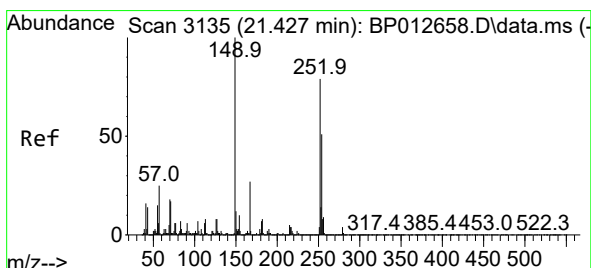
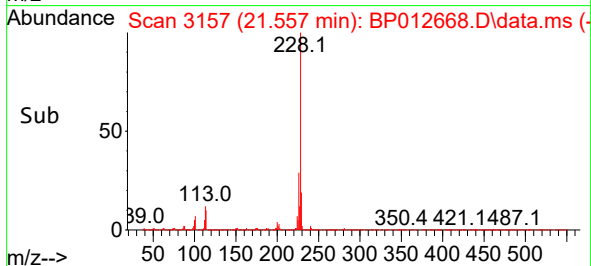
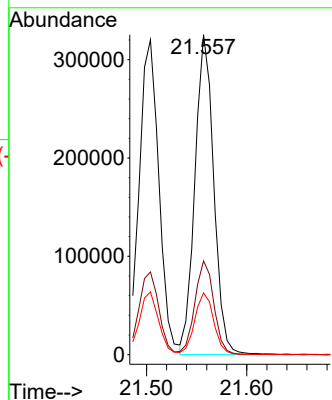
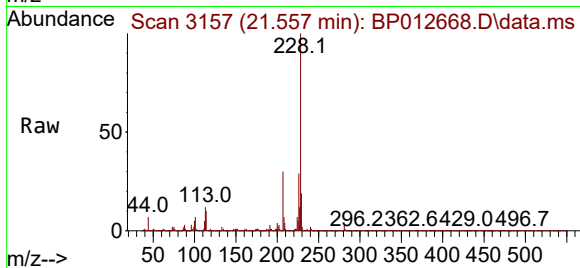
Tgt Ion:228 Resp: 424404

Ion Ratio Lower Upper

228 100

226 29.3 24.6 36.8

229 19.3 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.096 ng

RT: 21.427 min Scan# 3135

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

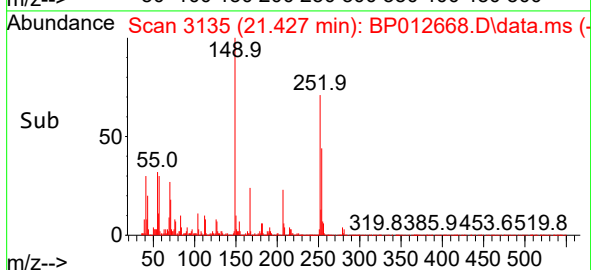
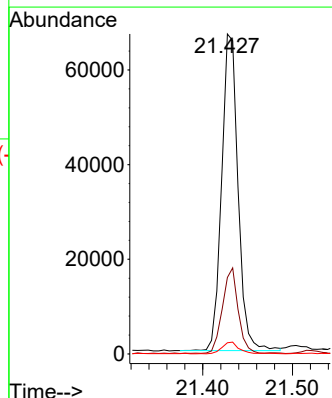
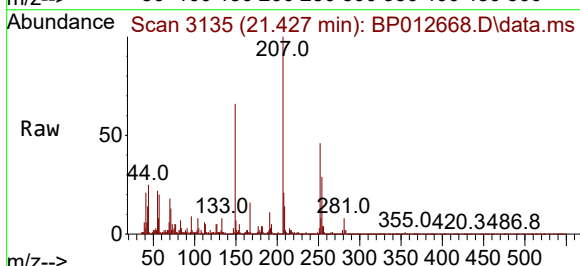
Tgt Ion:149 Resp: 84884

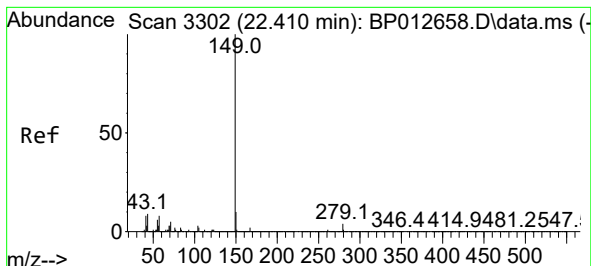
Ion Ratio Lower Upper

149 100

167 23.9 21.7 32.5

279 3.5 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 1.630 ng

RT: 22.404 min Scan# 3301

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

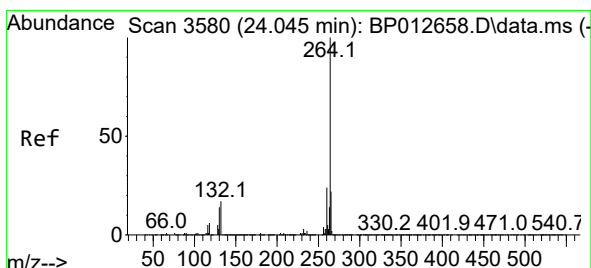
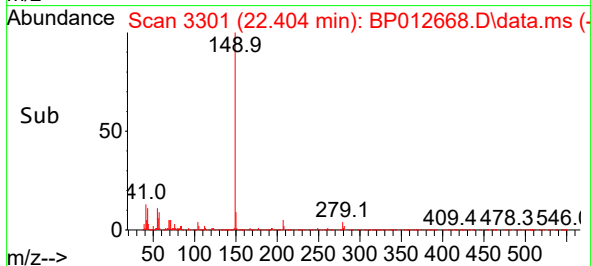
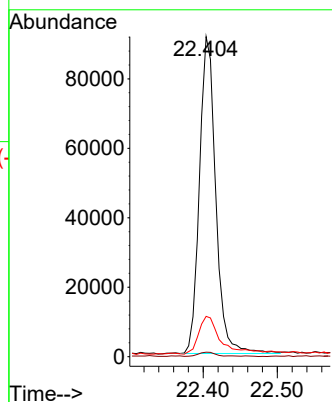
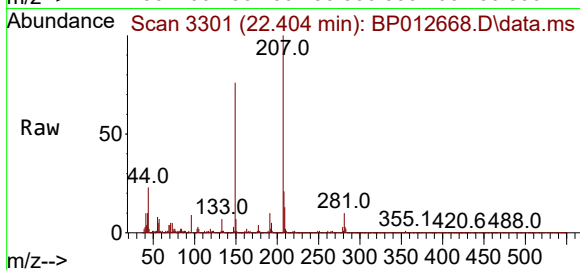
Tgt Ion:149 Resp: 139628

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 15.8 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.045 min Scan# 3580

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

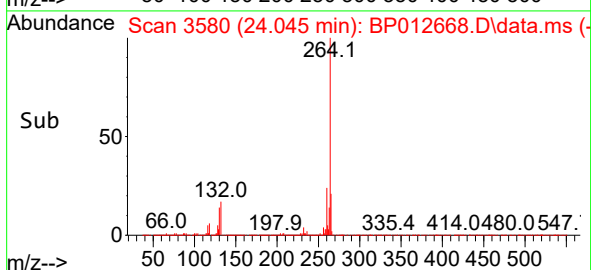
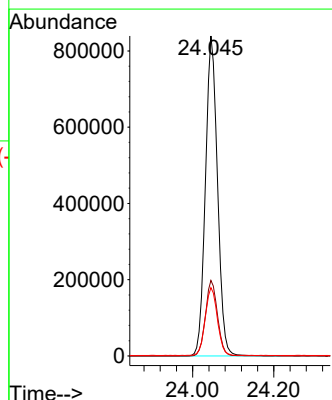
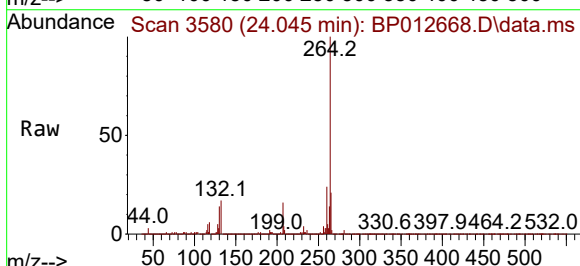
Tgt Ion:264 Resp: 1725759

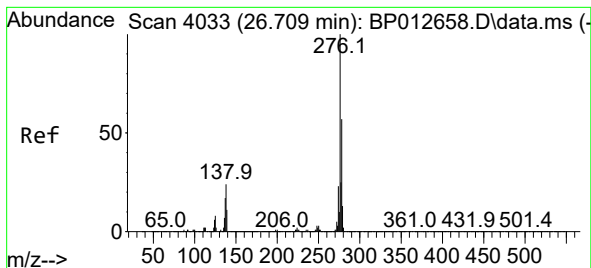
Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.031 ng

RT: 26.704 min Scan# 4033

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

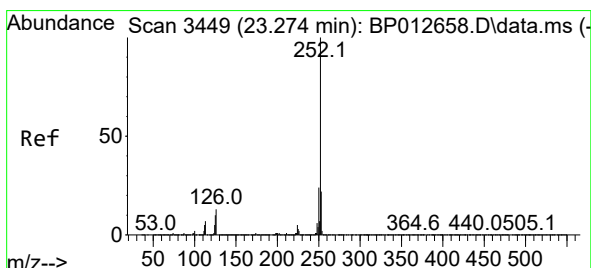
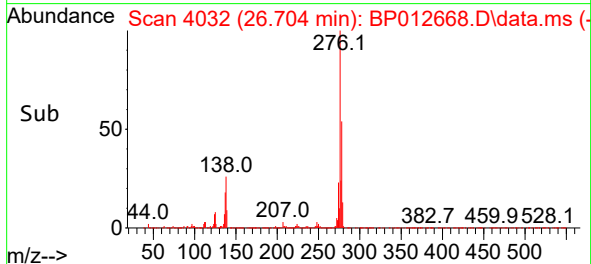
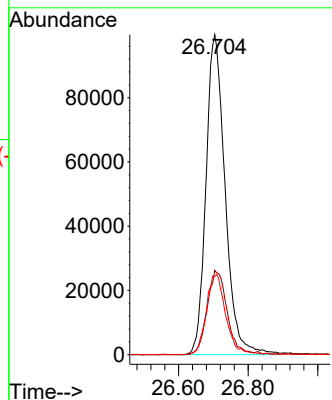
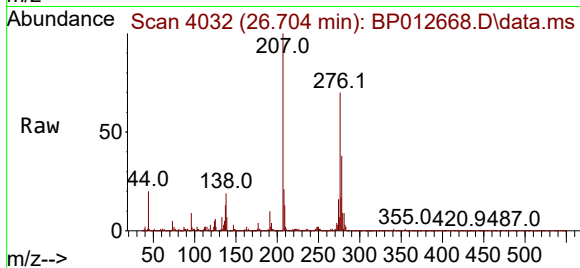
Tgt Ion:276 Resp: 380761

Ion Ratio Lower Upper

276 100

138 27.2 20.8 31.2

277 25.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 3.486 ng

RT: 23.268 min Scan# 3448

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

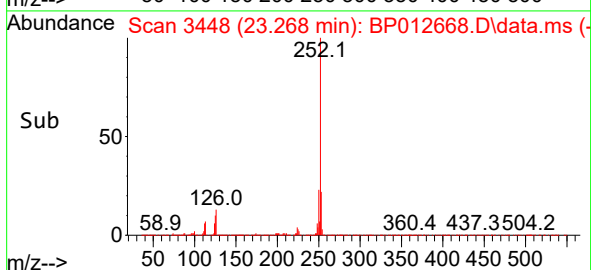
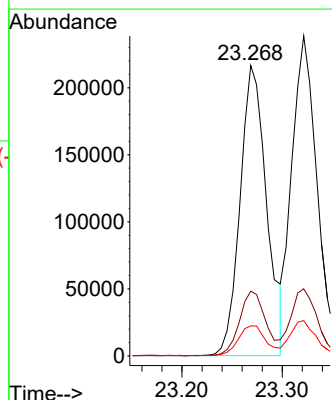
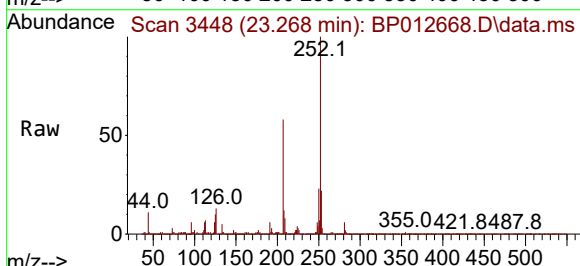
Tgt Ion:252 Resp: 398225

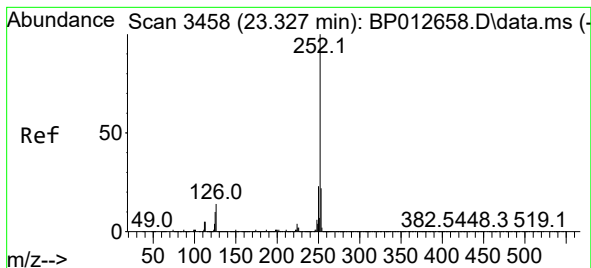
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 3.706 ng

RT: 23.321 min Scan# 3458

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

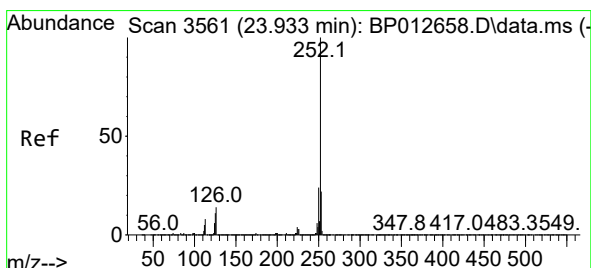
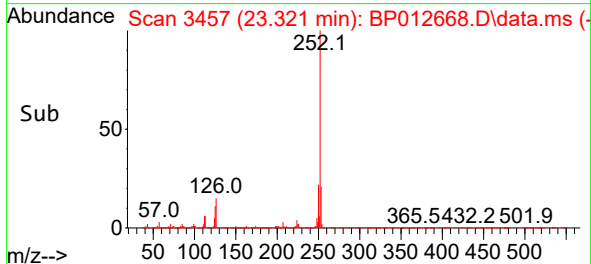
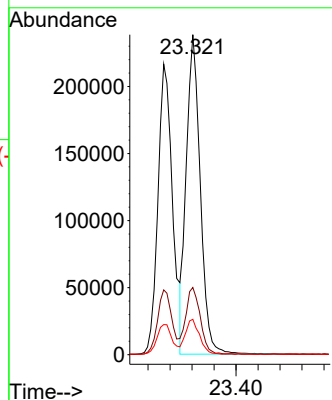
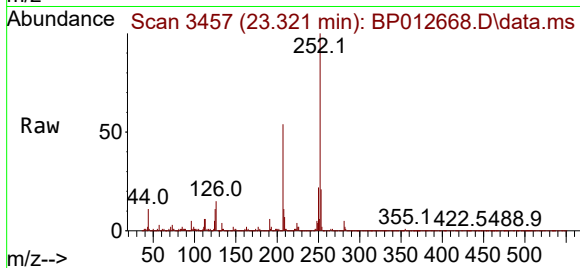
Tgt Ion:252 Resp: 420773

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.2

125 11.1 7.9 11.9



#90

Benzo(a)pyrene

Concen: 3.386 ng

RT: 23.933 min Scan# 3561

Delta R.T. 0.000 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

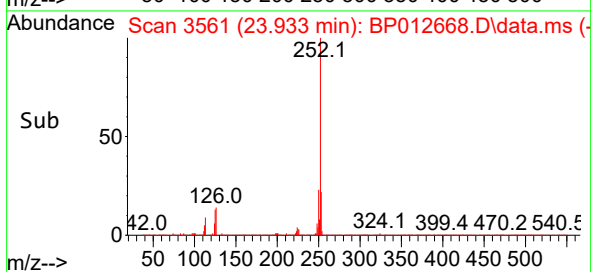
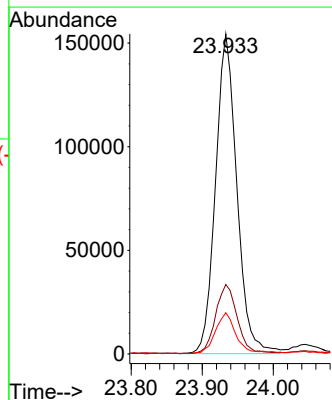
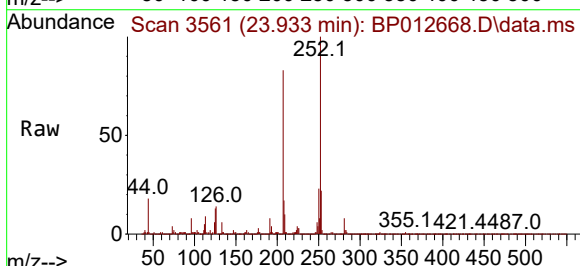
Tgt Ion:252 Resp: 321029

Ion Ratio Lower Upper

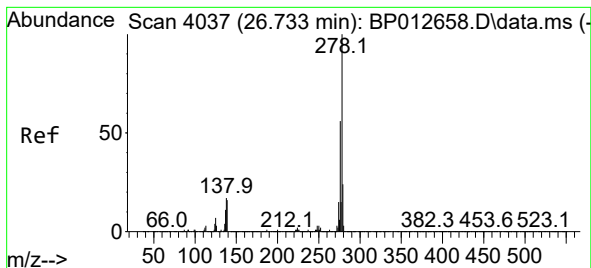
252 100

253 21.7 17.7 26.5

125 12.9 8.8 13.2







#91

Dibenzo(a,h)anthracene

Concen: 3.333 ng

RT: 26.727 min Scan# 4036

Delta R.T. -0.006 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

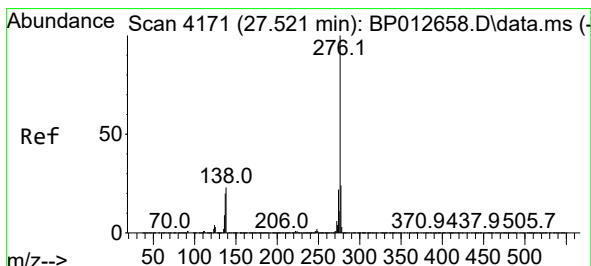
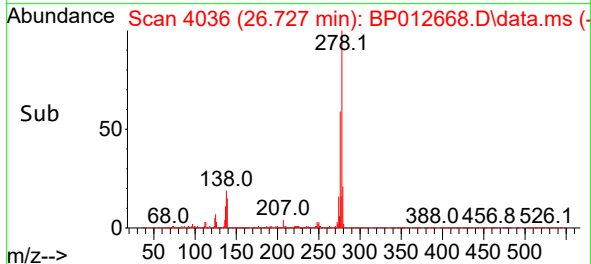
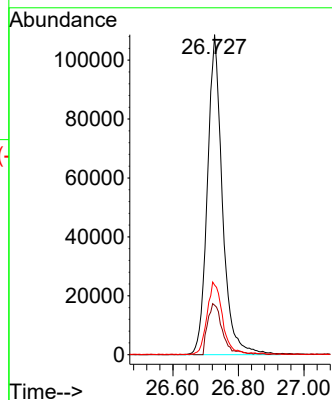
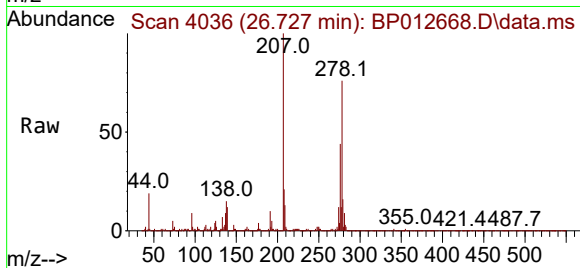
Tgt Ion:278 Resp: 346254

Ion Ratio Lower Upper

278 100

139 15.4 13.0 19.4

279 21.7 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 3.240 ng

RT: 27.509 min Scan# 4169

Delta R.T. -0.012 min

Lab File: BP012668.D

Acq: 18 Nov 2022 10:43

Tgt Ion:276 Resp: 326933

Ion Ratio Lower Upper

276 100

277 23.2 19.4 29.2

138 22.9 18.1 27.1

