

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081424\  
 Data File : BP021499.D  
 Acq On : 14 Aug 2024 14:13  
 Operator : RC/JU  
 Sample : P3390-02  
 Misc : LOQ-SOIL-5ng  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 15 03:00:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 15 03:00:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 349904   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1493915  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 1018509  | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.251 | 188  | 2238816  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.698 | 240  | 2198600  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.115 | 264  | 2373794  | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 2786967  | 118.268 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.963  | 99   | 3996354  | 116.256 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2946676  | 101.808 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 1397704  | 123.302 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 5999172  | 89.893  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.980 | 244  | 9792562  | 86.529  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.323  | 88   | 61308    | 5.487   | ng    | 99       |
| 3) Pyridine                   | 3.711  | 79   | 144698   | 4.639   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.623  | 42   | 49381    | 5.267   | ng    | # 97     |
| 6) Aniline                    | 7.128  | 93   | 210248   | 6.118   | ng    | 99       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 115800   | 5.318   | ng    | 94       |
| 9) Benzaldehyde               | 6.946  | 77   | 147394   | 6.697   | ng    | 98       |
| 10) Phenol                    | 6.987  | 94   | 187745   | 5.274   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 160176   | 5.318   | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 129911   | 5.022   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 133484   | 5.110   | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 129275   | 5.136   | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 132962   | 5.391   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 155490   | 5.606   | ng    | 97       |
| 17) 2-Methylphenol            | 8.234  | 107  | 111202   | 4.941   | ng    | 99       |
| 18) Hexachloroethane          | 8.887  | 117  | 53111    | 5.071   | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.599  | 70   | 128847   | 5.426   | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.552  | 107  | 148855   | 4.906   | ng    | 98       |
| 22) Acetophenone              | 8.616  | 105  | 243565   | 5.307   | ng    | # 98     |
| 24) Nitrobenzene              | 8.993  | 77   | 181917   | 5.787   | ng    | 98       |
| 25) Isophorone                | 9.510  | 82   | 365137   | 5.340   | ng    | 99       |
| 26) 2-Nitrophenol             | 9.705  | 139  | 29190    | 6.464   | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.757  | 122  | 82951    | 4.916   | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.999  | 93   | 222863   | 5.340   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 96215    | 4.826   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.452 | 180  | 129206   | 5.055   | ng    | 97       |
| 31) Naphthalene               | 10.640 | 128  | 399408   | 5.118   | ng    | 99       |
| 32) Benzoic acid              | 9.799  | 122  | 22208    | 6.072   | ng    | 99       |
| 33) 4-Chloroaniline           | 10.734 | 127  | 159890   | 5.454   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 78221    | 4.860   | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 40523    | 4.883   | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.851 | 107  | 135312   | 4.892   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 277123   | 5.203   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.469 | 142  | 262059   | 4.989   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 157301   | 5.271   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 44891    | 4.746   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 75297    | 4.542   | ng    | 98       |

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 Data File : BP021499.D  
 Acq On : 14 Aug 2024 14:13  
 Operator : RC/JU  
 Sample : P3390-02  
 Misc : LOQ-SOIL-5ng  
 ALS Vial : 9 Sample Multiplier: 1

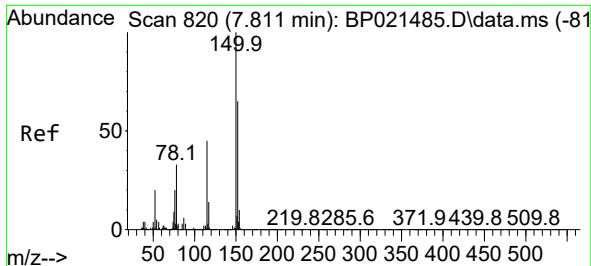
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2024

Quant Time: Aug 15 03:00:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 15 03:00:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.928 | 196  | 88933    | 4.829 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.269 | 154  | 389718   | 5.408 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 282725   | 5.040 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.493 | 65   | 59322    | 4.548 | ng    | 98       |
| 49) Acenaphthylene            | 14.157 | 152  | 457610   | 5.549 | ng    | 99       |
| 50) Dimethylphthalate         | 13.893 | 163  | 362620   | 5.316 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.004 | 165  | 50597    | 4.280 | ng    | 89       |
| 52) Acenaphthene              | 14.504 | 154  | 277853   | 5.135 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.334 | 138  | 52824    | 4.545 | ng #  | 85       |
| 54) 2,4-Dinitrophenol         | 14.534 | 184  | 12858    | 7.253 | ng #  | 66       |
| 55) Dibenzofuran              | 14.851 | 168  | 450960   | 5.417 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.628 | 139  | 38472    | 8.264 | ng #  | 84       |
| 57) 2,4-Dinitrotoluene        | 14.798 | 165  | 56275    | 3.885 | ng #  | 94       |
| 58) Fluorene                  | 15.510 | 166  | 364114   | 5.324 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 68728    | 4.396 | ng    | 93       |
| 60) Diethylphthalate          | 15.281 | 149  | 370913   | 5.300 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 194187   | 5.493 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.504 | 138  | 55473    | 4.514 | ng #  | 73       |
| 63) Azobenzene                | 15.810 | 77   | 484737   | 5.635 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 19297    | 8.211 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 314285   | 5.238 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 111184   | 4.692 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.539 | 284  | 143816   | 5.136 | ng    | 98       |
| 69) Atrazine                  | 16.698 | 200  | 110483   | 5.364 | ng    | 100      |
| 70) Pentachlorophenol         | 16.892 | 266  | 57483    | 3.761 | ng    | 96       |
| 71) Phenanthrene              | 17.292 | 178  | 590686   | 5.486 | ng    | 99       |
| 72) Anthracene                | 17.386 | 178  | 550547   | 5.214 | ng    | 99       |
| 73) Carbazole                 | 17.657 | 167  | 522472   | 5.134 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 604200   | 4.834 | ng    | 99       |
| 75) Fluoranthene              | 19.380 | 202  | 666911   | 5.048 | ng    | 100      |
| 77) Benzidine                 | 19.569 | 184  | 242890   | 8.229 | ng    | 98       |
| 78) Pyrene                    | 19.757 | 202  | 701681   | 4.883 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.716 | 149  | 189057   | 3.933 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.680 | 228  | 727044   | 5.268 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.598 | 252  | 221281   | 5.000 | ng    | 99       |
| 83) Chrysene                  | 21.751 | 228  | 678779   | 5.209 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.651 | 149  | 375490   | 4.603 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.963 | 149  | 462473   | 7.738 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.962 | 276  | 604795   | 3.930 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 24.027 | 252  | 654850   | 4.803 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.098 | 252  | 668016   | 5.023 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.951 | 252  | 586732   | 4.959 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.068 | 278  | 606424   | 4.743 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.151 | 276  | 602527   | 4.702 | ng    | 98       |

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

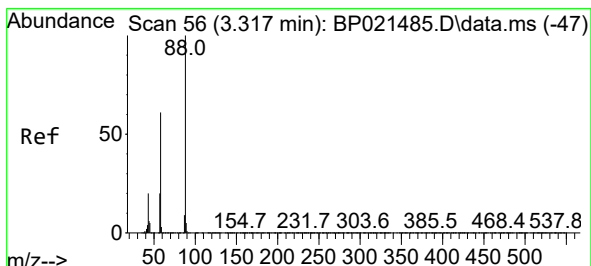
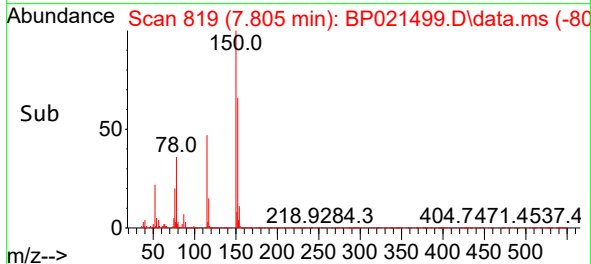
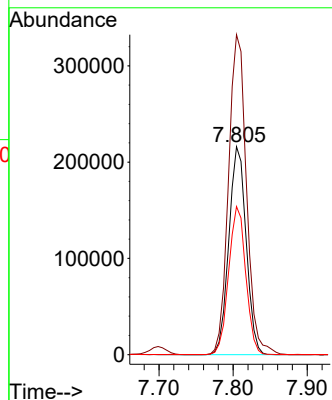
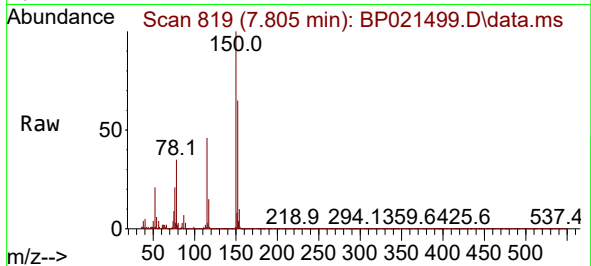




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

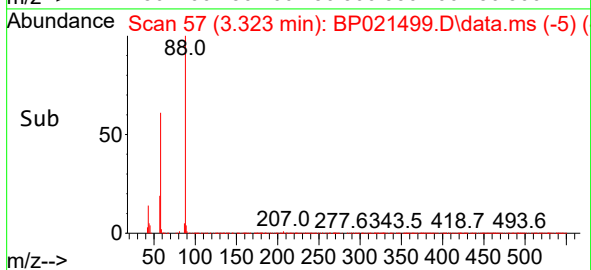
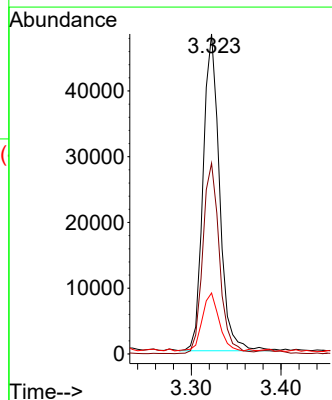
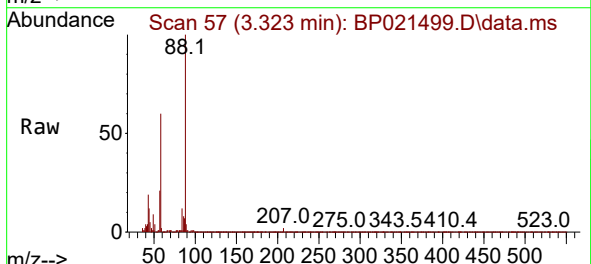
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

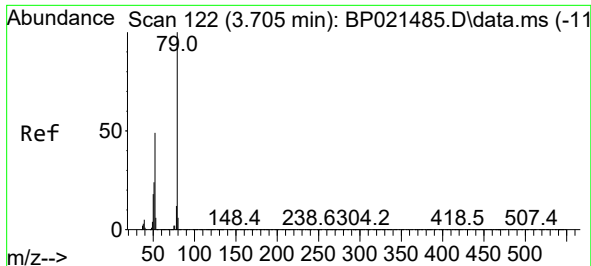
Tgt Ion:152 Resp: 349904  
Ion Ratio Lower Upper  
152 100  
150 153.8 122.4 183.6  
115 71.2 54.7 82.1



#2  
1,4-Dioxane  
Concen: 5.487 ng  
RT: 3.323 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 88 Resp: 61308  
Ion Ratio Lower Upper  
88 100  
58 61.3 48.7 73.1  
43 18.7 15.4 23.2

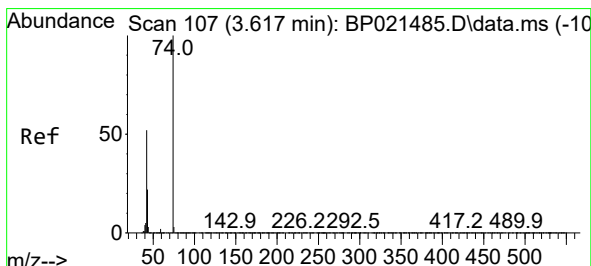
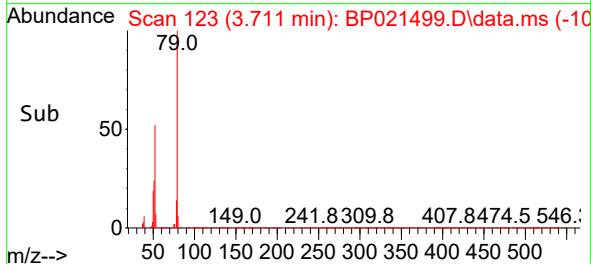
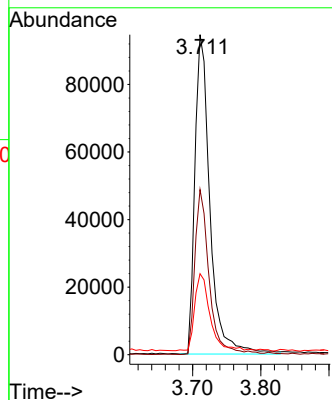
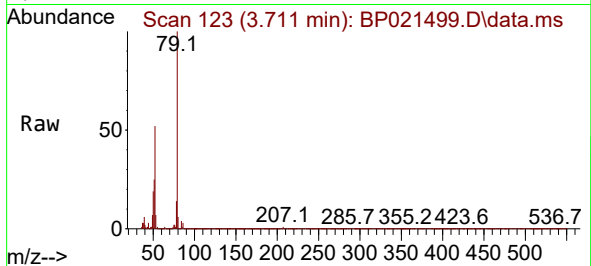




#3  
Pyridine  
Concen: 4.639 ng  
RT: 3.711 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

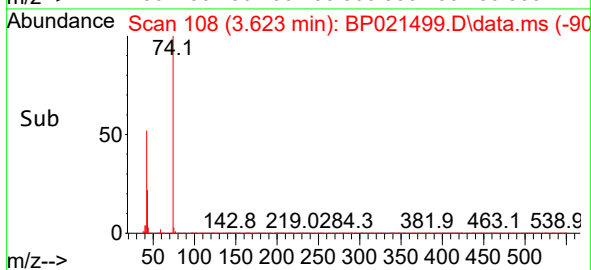
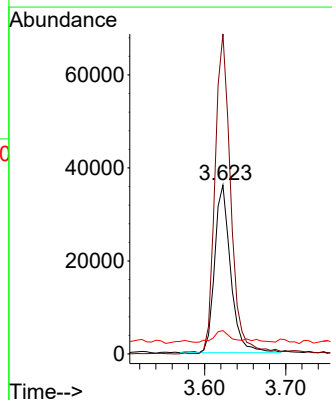
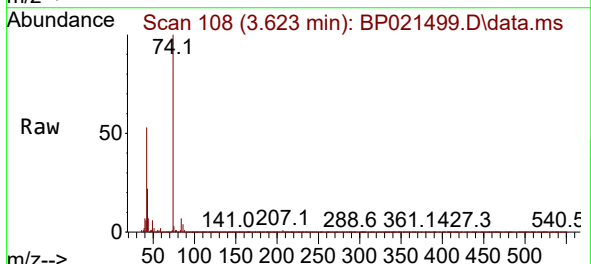
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

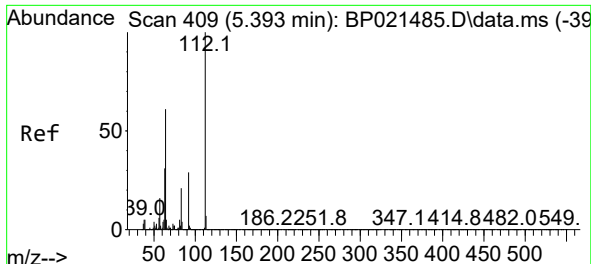
Tgt Ion: 79 Resp: 144698  
Ion Ratio Lower Upper  
79 100  
52 51.6 39.0 58.6  
51 25.3 19.2 28.8



#4  
n-Nitrosodimethylamine  
Concen: 5.267 ng  
RT: 3.623 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 42 Resp: 49381  
Ion Ratio Lower Upper  
42 100  
74 189.5 154.3 231.5  
44 13.8 6.2 9.4

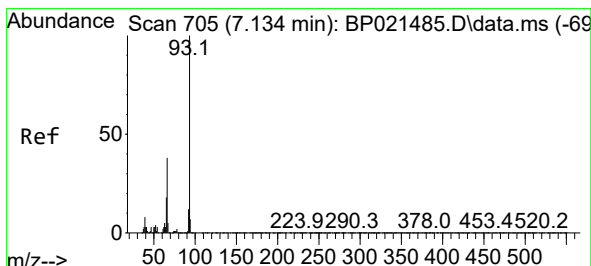
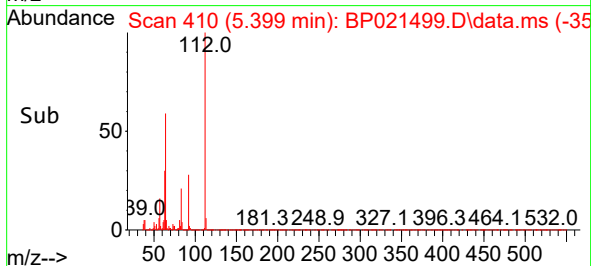
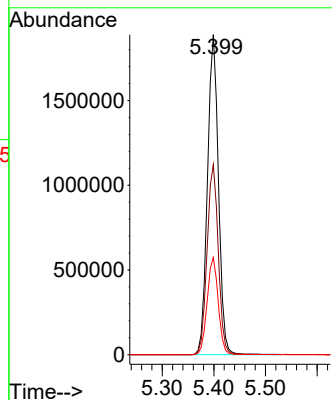
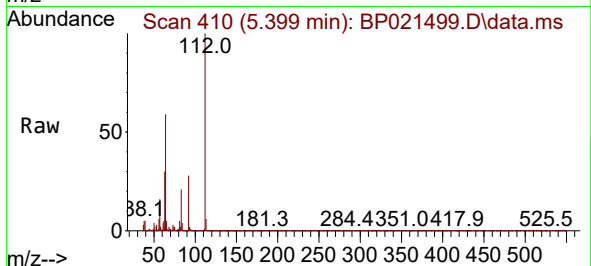




#5  
2-Fluorophenol  
Concen: 118.268 ng  
RT: 5.399 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

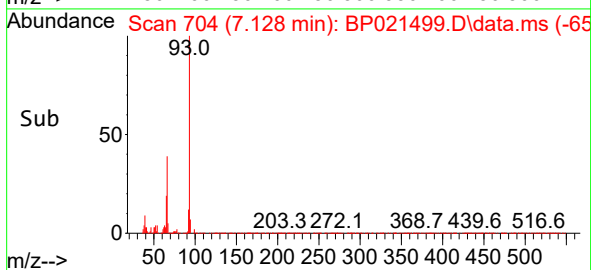
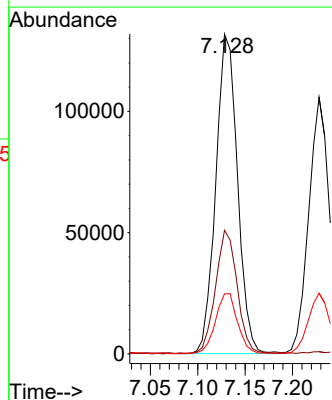
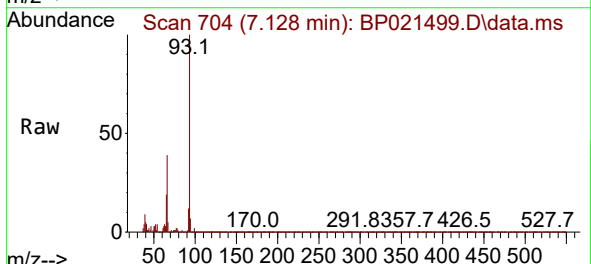
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

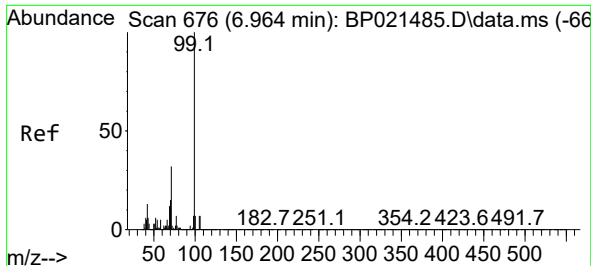
Tgt Ion:112 Resp: 2786967  
Ion Ratio Lower Upper  
112 100  
64 59.4 49.0 73.6  
63 30.3 24.6 36.8



#6  
Aniline  
Concen: 6.118 ng  
RT: 7.128 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 93 Resp: 210248  
Ion Ratio Lower Upper  
93 100  
66 38.7 30.2 45.2  
65 18.8 14.7 22.1





#7

Phenol-d6

Concen: 116.256 ng

RT: 6.963 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

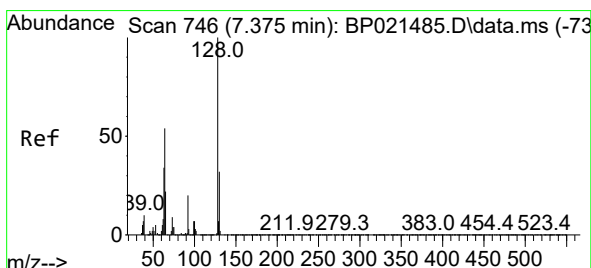
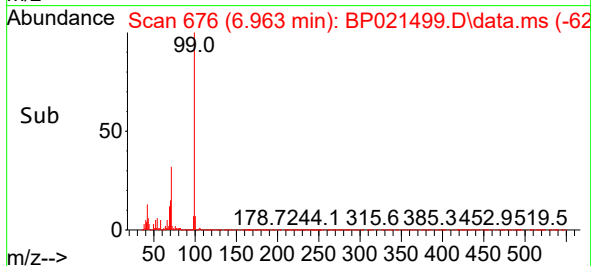
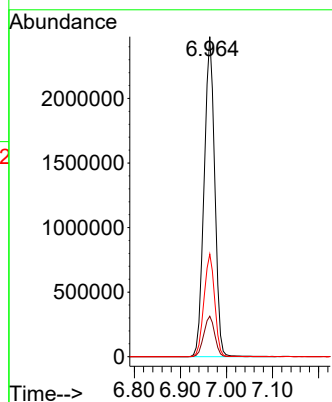
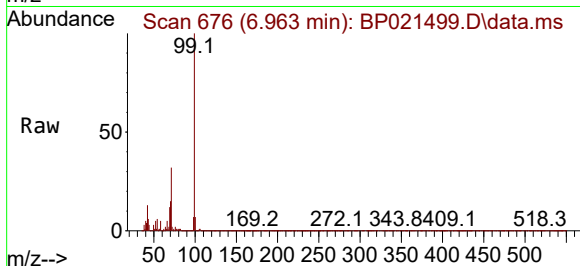
BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 99 Resp: 3996354

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.7  | 10.2  | 15.4  |
| 71  | 32.1  | 25.8  | 38.8  |



#8

2-Chlorophenol

Concen: 5.318 ng

RT: 7.369 min Scan# 745

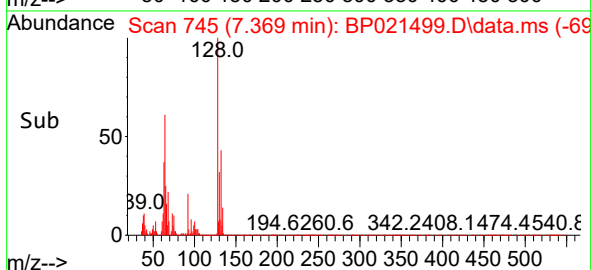
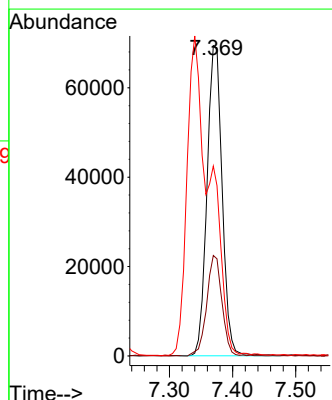
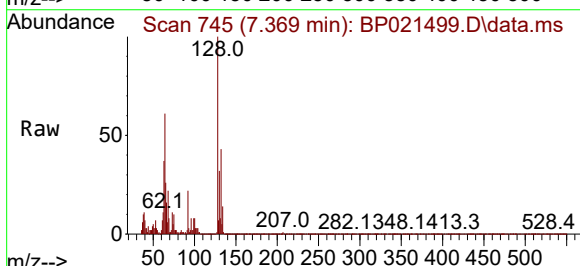
Delta R.T. -0.006 min

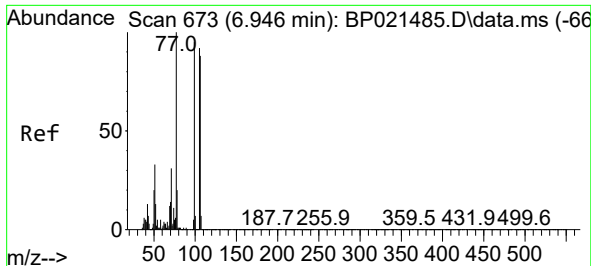
Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:128 Resp: 115800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.4  | 11.6  | 51.6  |
| 64  | 61.2  | 35.3  | 75.3  |

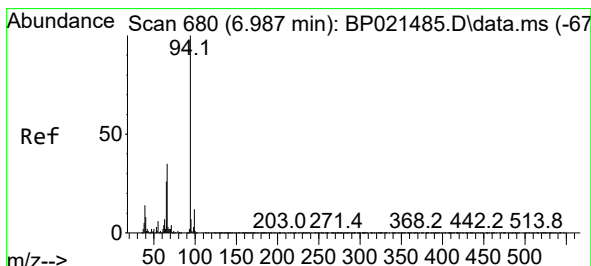
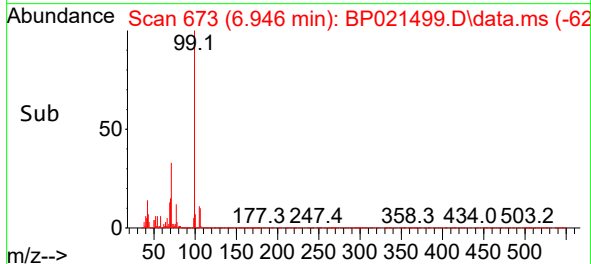
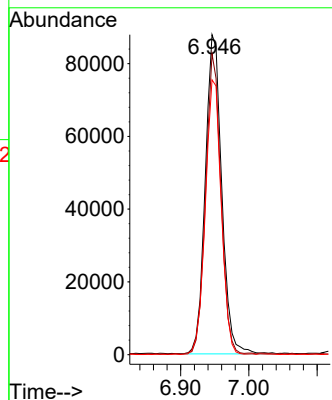
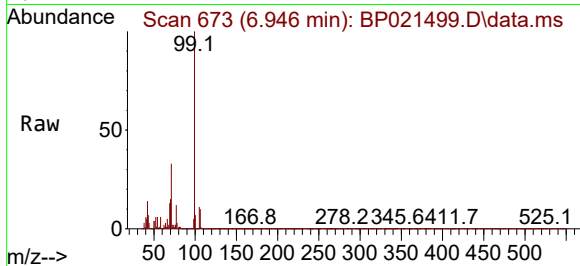




#9  
Benzaldehyde  
Concen: 6.697 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

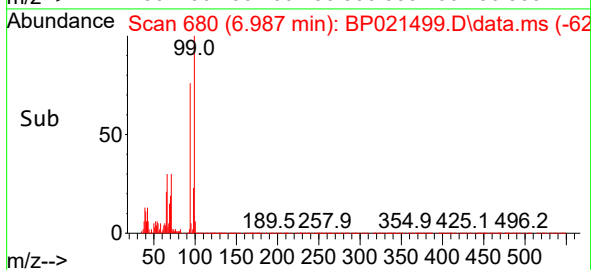
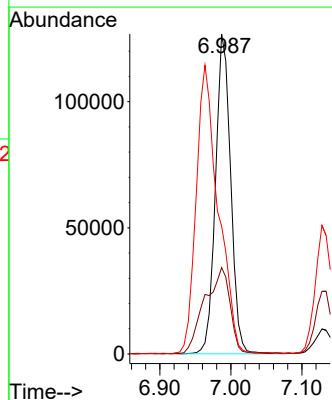
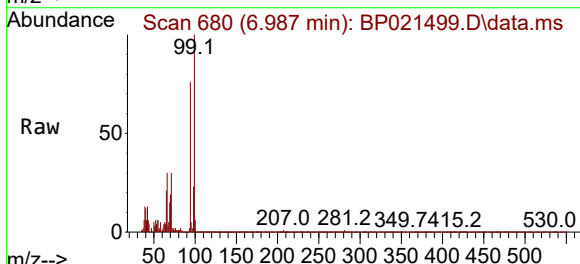
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

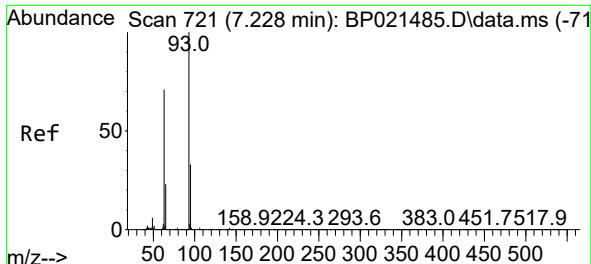
Tgt Ion: 77 Resp: 147394  
Ion Ratio Lower Upper  
77 100  
105 94.0 72.1 112.1  
106 85.9 67.9 107.9



#10  
Phenol  
Concen: 5.274 ng  
RT: 6.987 min Scan# 680  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 94 Resp: 187745  
Ion Ratio Lower Upper  
94 100  
65 27.0 6.5 46.5  
66 39.9 14.7 54.7

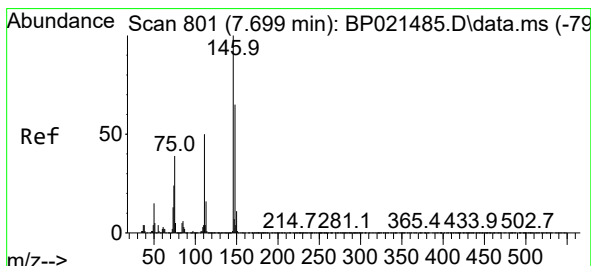
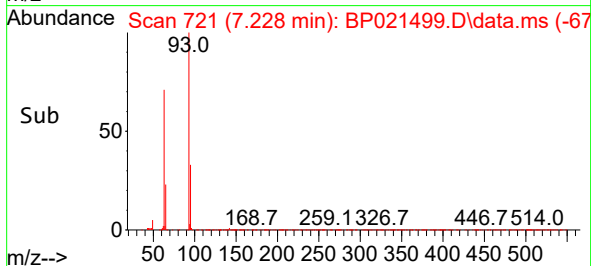
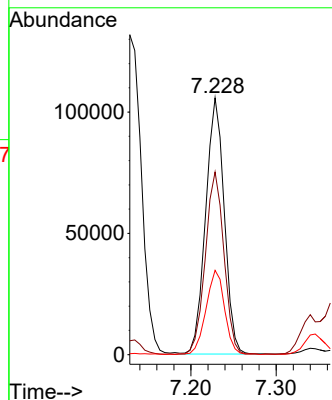
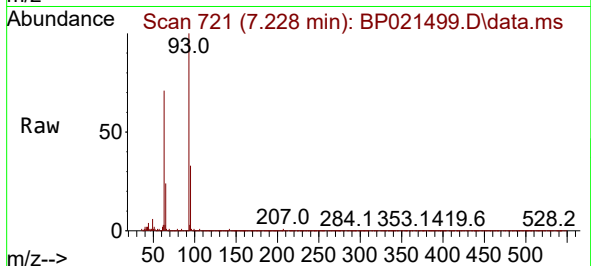




#11  
bis(2-Chloroethyl)ether  
Concen: 5.318 ng  
RT: 7.228 min Scan# 721  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

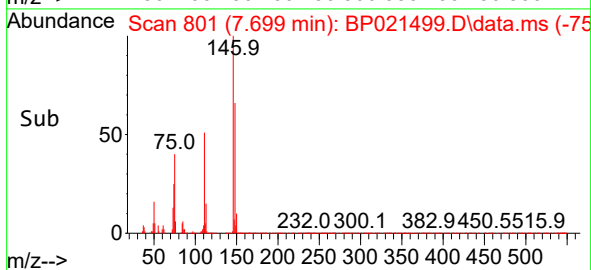
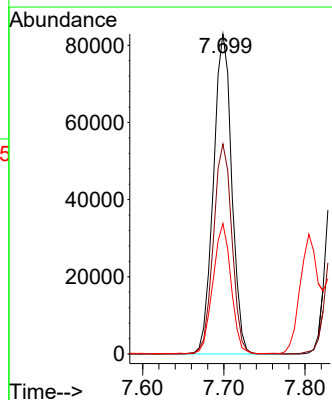
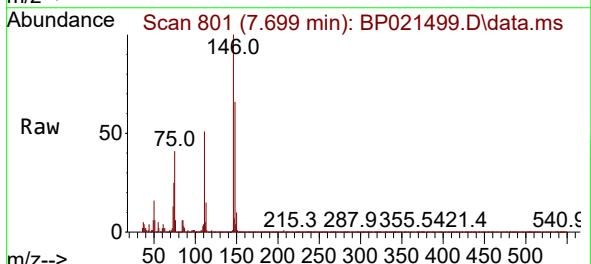
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

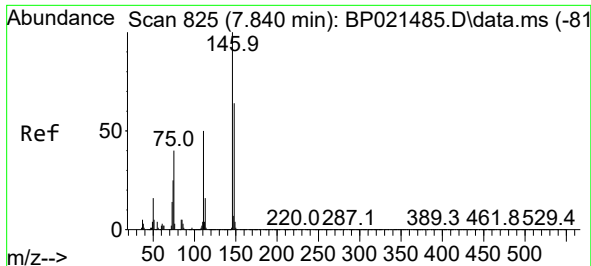
Tgt Ion: 93 Resp: 160176  
Ion Ratio Lower Upper  
93 100  
63 71.1 51.0 91.0  
95 32.8 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 5.022 ng  
RT: 7.699 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 146 Resp: 129911  
Ion Ratio Lower Upper  
146 100  
148 65.6 51.8 77.6  
75 40.8 31.3 46.9

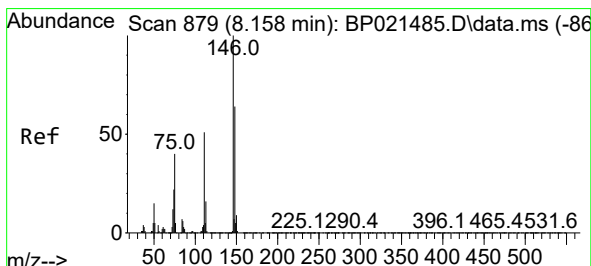
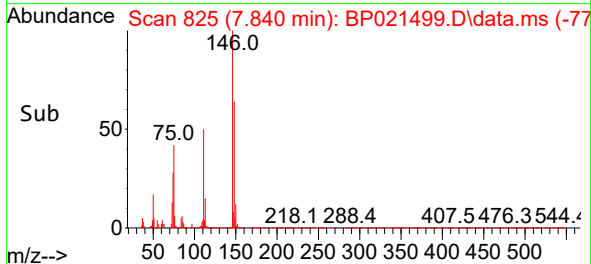
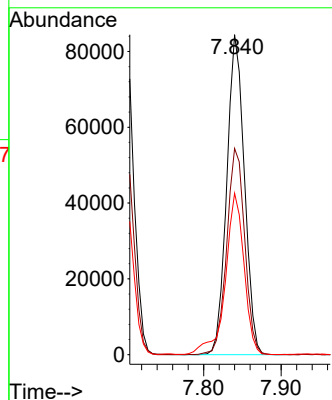
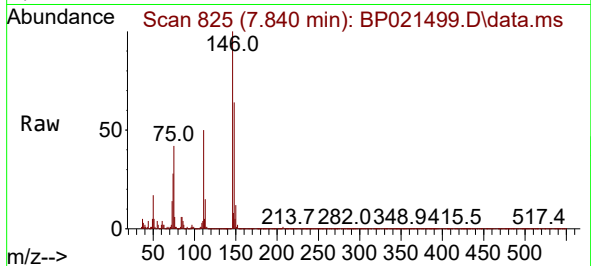




#13  
1,4-Dichlorobenzene  
Concen: 5.110 ng  
RT: 7.840 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

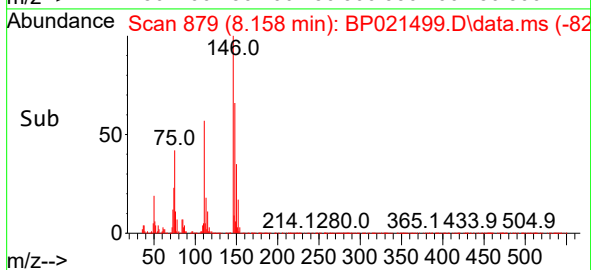
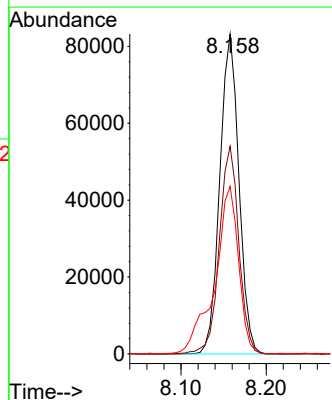
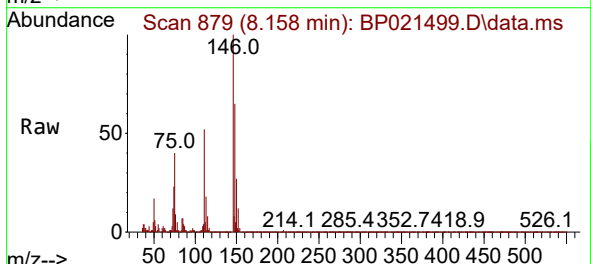
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

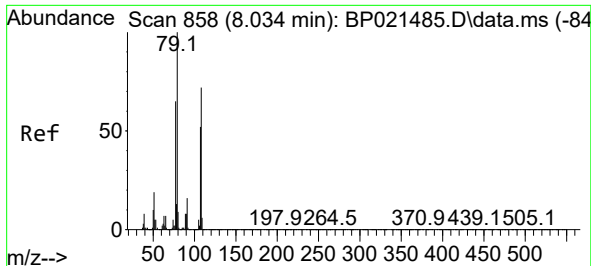
Tgt Ion:146 Resp: 133484  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.5 77.3  
111 50.5 40.3 60.5



#14  
1,2-Dichlorobenzene  
Concen: 5.136 ng  
RT: 8.158 min Scan# 879  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:146 Resp: 129275  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.5 77.3  
111 52.3 41.1 61.7

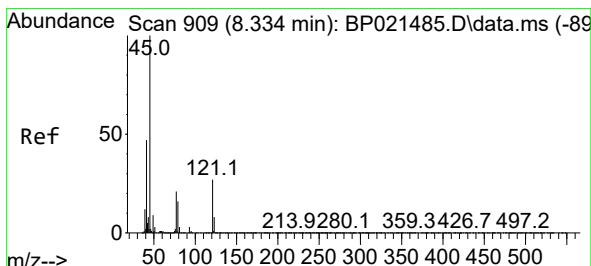
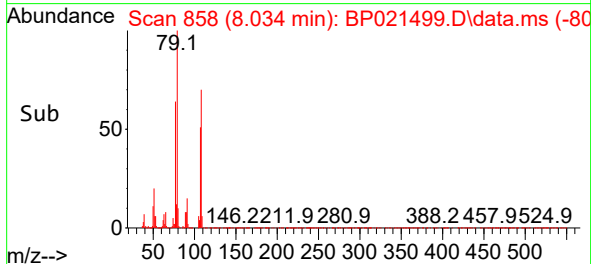
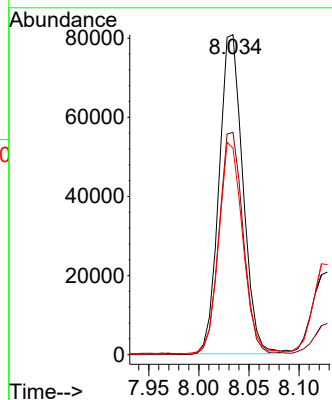
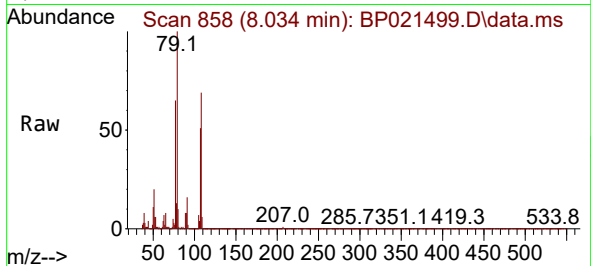




#15  
Benzyl Alcohol  
Concen: 5.391 ng  
RT: 8.034 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

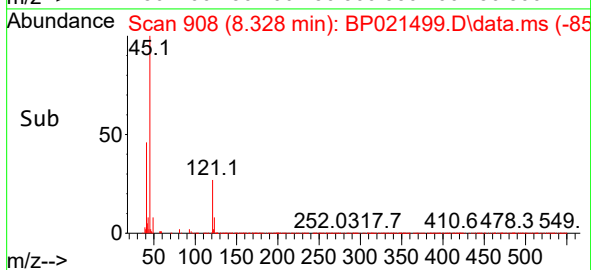
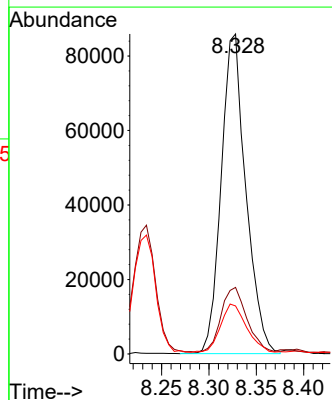
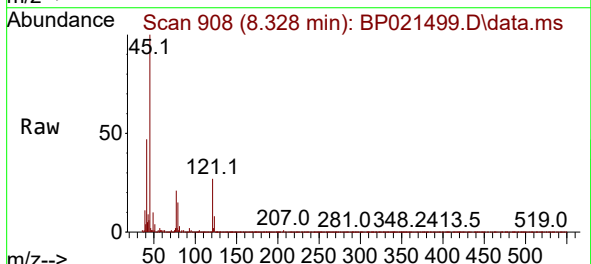
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

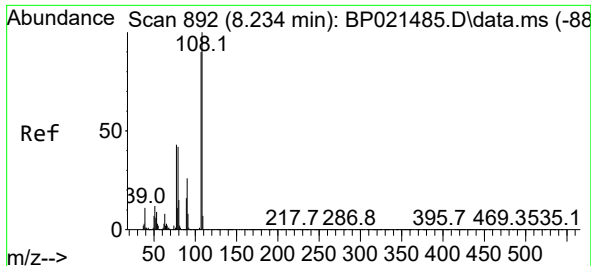
Tgt Ion: 79 Resp: 132962  
Ion Ratio Lower Upper  
79 100  
108 69.5 57.9 86.9  
77 64.5 51.8 77.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.606 ng  
RT: 8.328 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 45 Resp: 155490  
Ion Ratio Lower Upper  
45 100  
77 20.8 1.9 41.9  
79 15.0 0.0 36.6

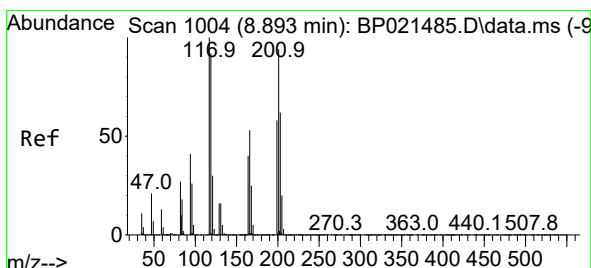
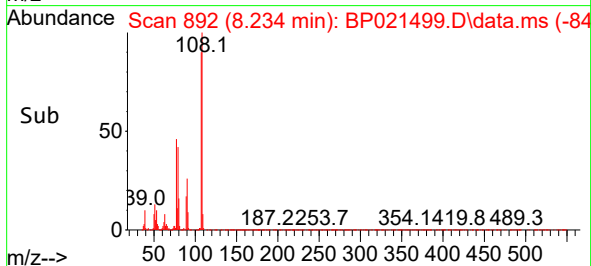
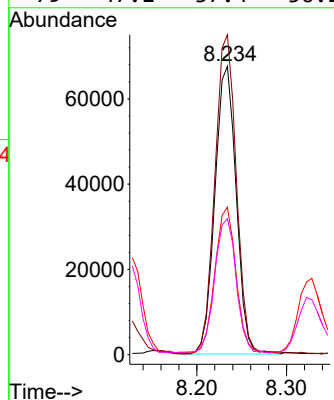
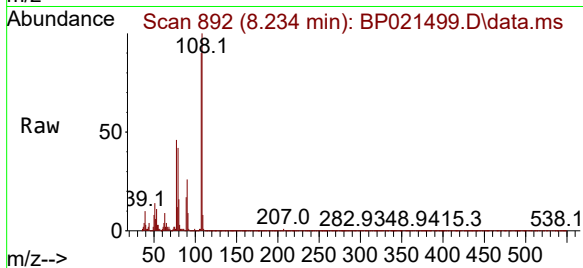




#17  
2-Methylphenol  
Concen: 4.941 ng  
RT: 8.234 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

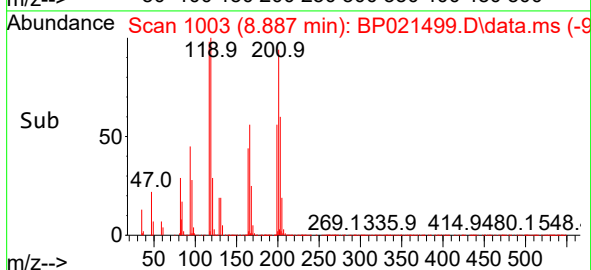
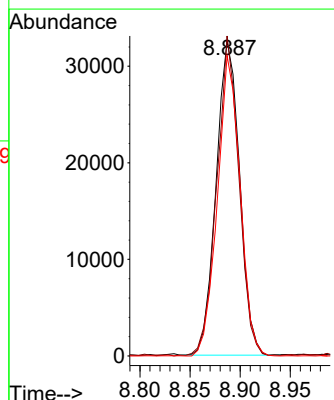
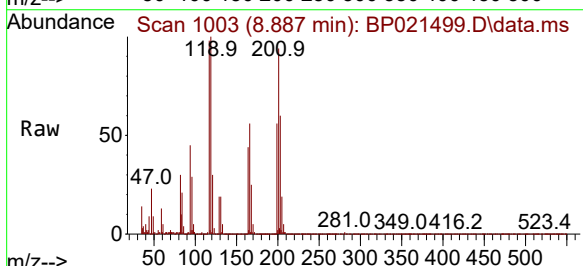
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

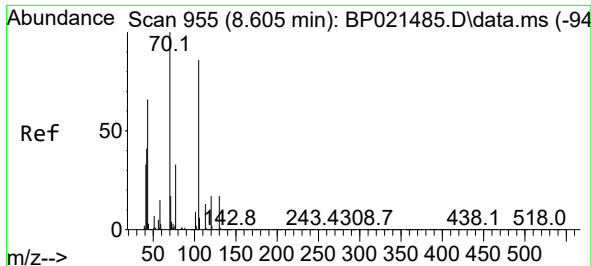
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 111202 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.9 | 88.8  | 133.2  |
| 77       | 51.1  | 38.7  | 58.1   |
| 79       | 47.1  | 37.4  | 56.2   |



#18  
Hexachloroethane  
Concen: 5.071 ng  
RT: 8.887 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 53111 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 101.6 | 73.9  | 110.9 |
| 201      | 95.4  | 74.9  | 112.3 |

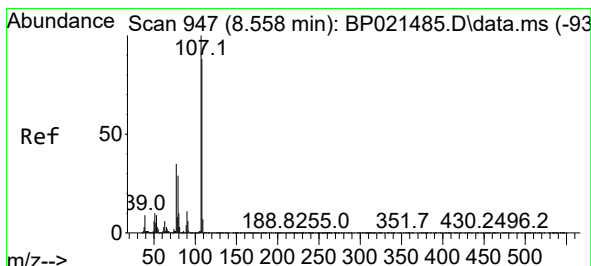
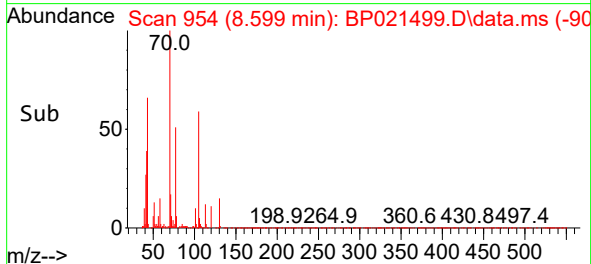
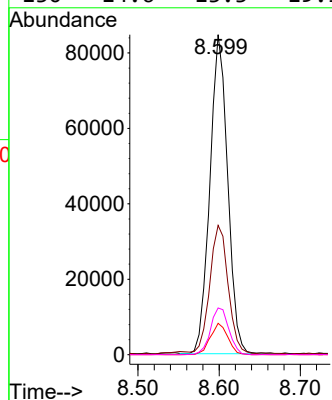
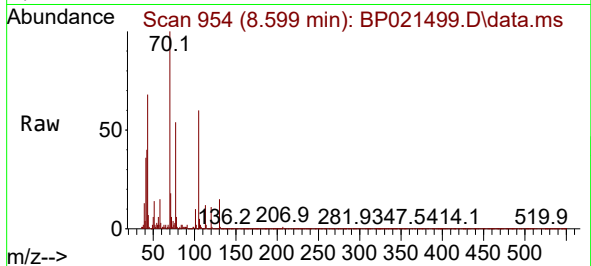




#19  
n-Nitroso-di-n-propylamine  
Concen: 5.426 ng  
RT: 8.599 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

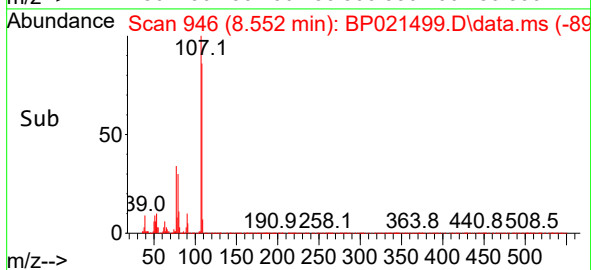
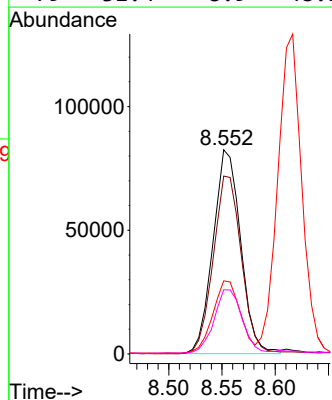
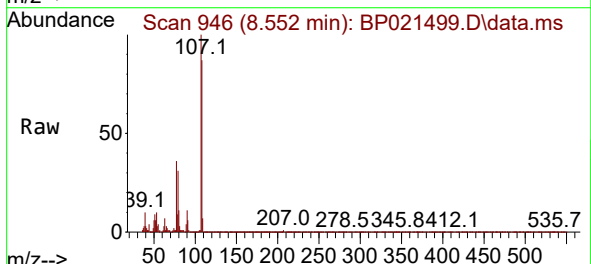
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

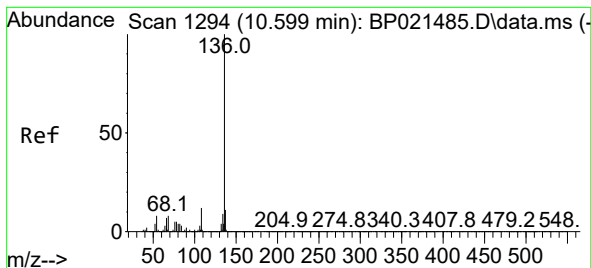
Tgt Ion: 70 Resp: 128847  
Ion Ratio Lower Upper  
70 100  
42 40.4 33.1 49.7  
101 9.8 7.4 11.2  
130 14.6 13.3 19.9



#20  
3+4-Methylphenols  
Concen: 4.906 ng  
RT: 8.552 min Scan# 946  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 107 Resp: 148855  
Ion Ratio Lower Upper  
107 100  
108 87.1 67.6 107.6  
77 35.8 15.0 55.0  
79 31.4 8.9 48.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.593 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:136 Resp: 1493915

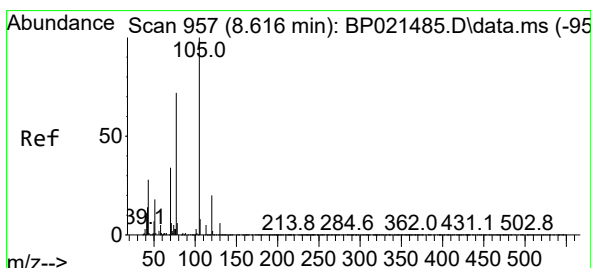
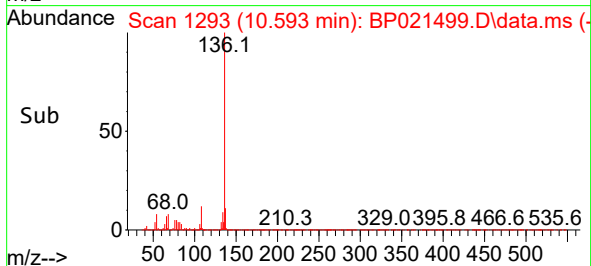
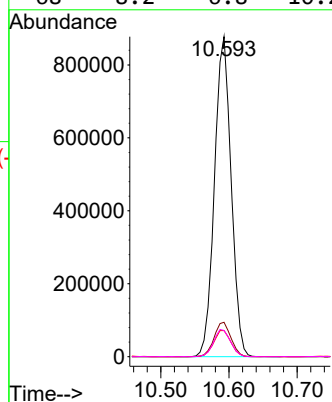
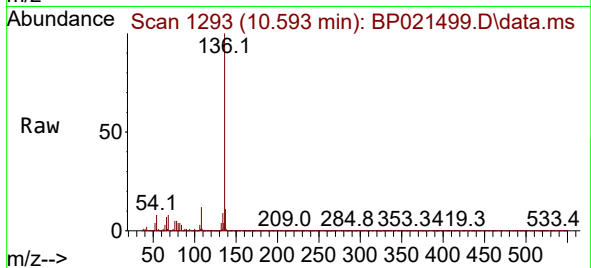
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.2 6.3 9.5

68 8.2 6.8 10.2



#22

Acetophenone

Concen: 5.307 ng

RT: 8.616 min Scan# 957

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:105 Resp: 243565

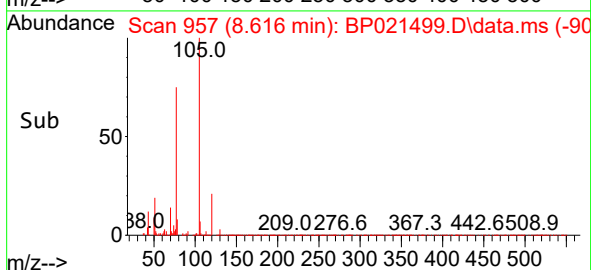
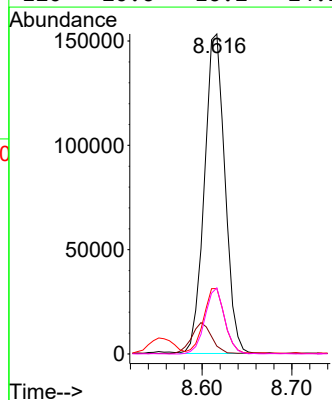
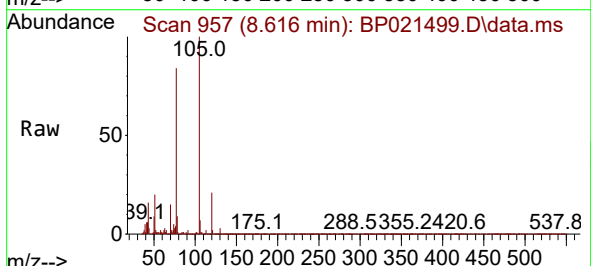
Ion Ratio Lower Upper

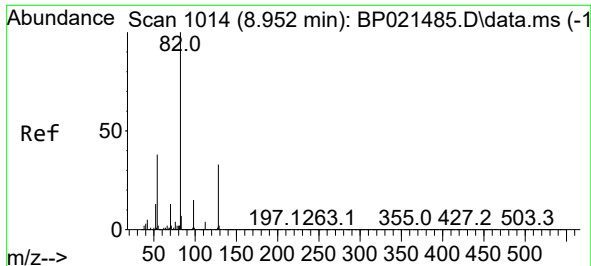
105 100

71 2.5 4.6 7.0#

51 20.4 16.3 24.5

120 20.6 16.2 24.2

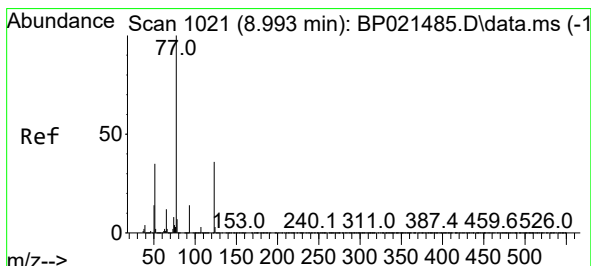
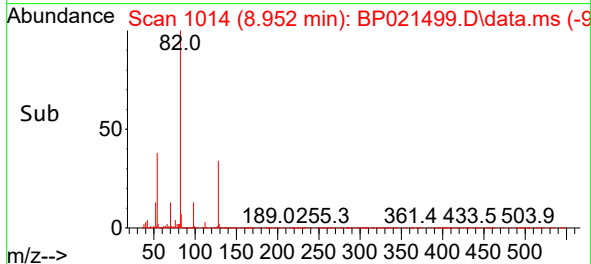
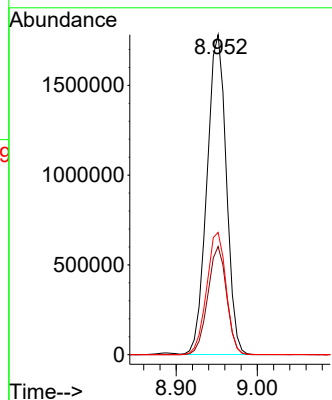
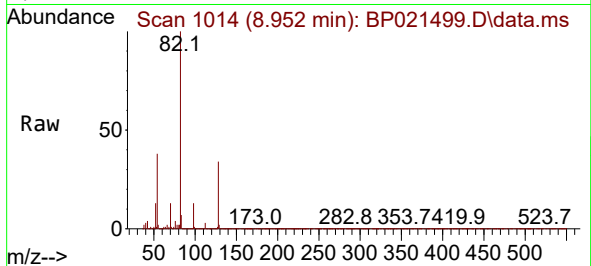




#23  
Nitrobenzene-d5  
Concen: 101.808 ng  
RT: 8.952 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

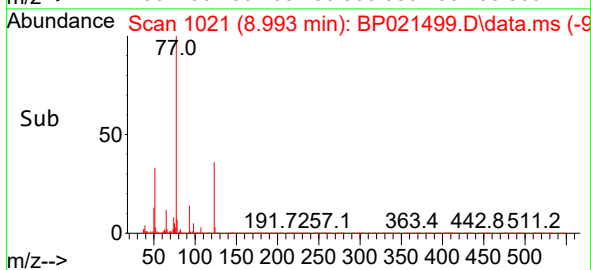
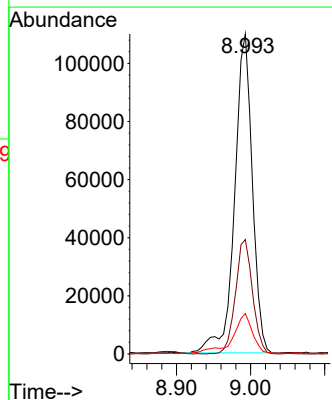
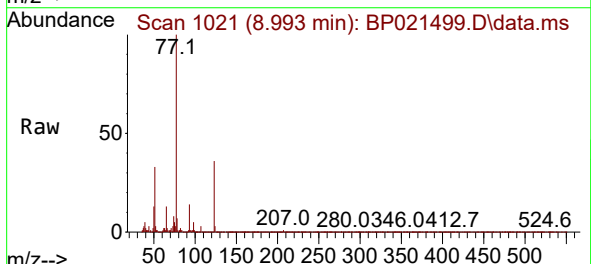
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

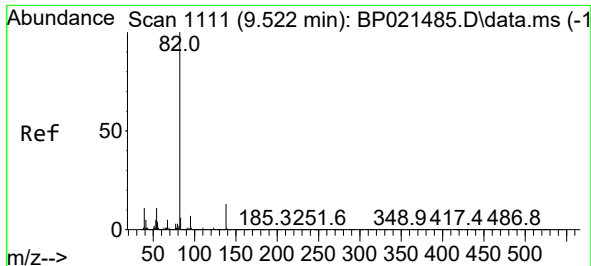
Tgt Ion: 82 Resp: 2946676  
Ion Ratio Lower Upper  
82 100  
128 33.8 26.5 39.7  
54 38.2 30.3 45.5



#24  
Nitrobenzene  
Concen: 5.787 ng  
RT: 8.993 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 77 Resp: 181917  
Ion Ratio Lower Upper  
77 100  
123 35.7 29.5 44.3  
65 12.6 9.9 14.9

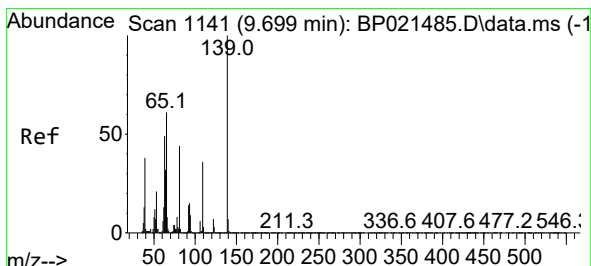
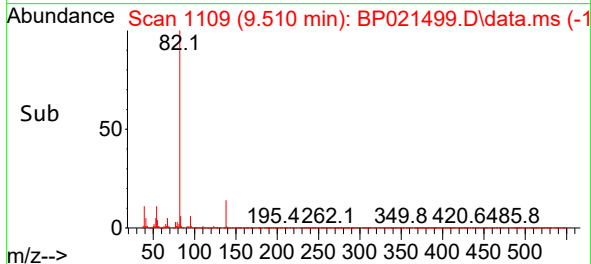
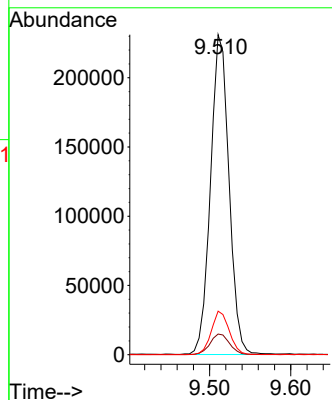
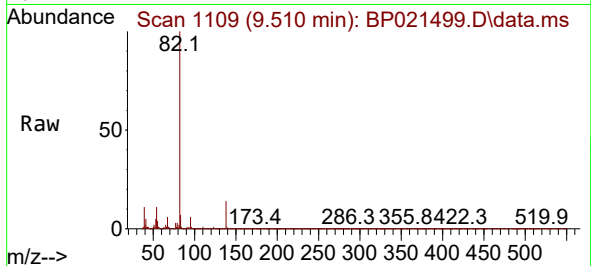




#25  
Isophorone  
Concen: 5.340 ng  
RT: 9.510 min Scan# 1110  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

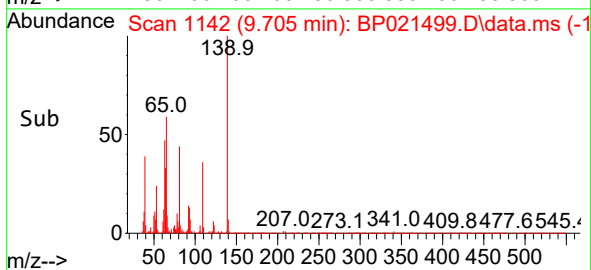
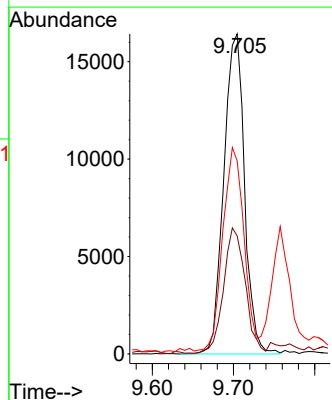
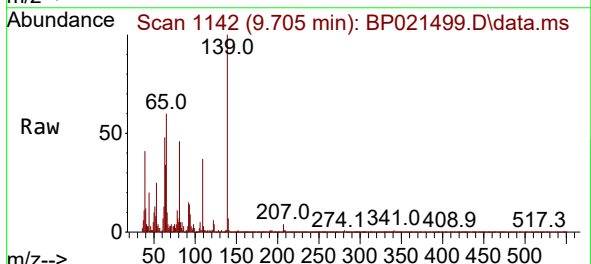
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

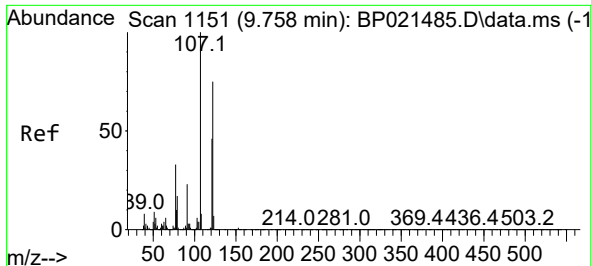
Tgt Ion: 82 Resp: 365137  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.4 8.2  
138 13.6 10.6 16.0



#26  
2-Nitrophenol  
Concen: 6.464 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 139 Resp: 29190  
Ion Ratio Lower Upper  
139 100  
109 36.9 28.9 43.3  
65 60.3 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 4.916 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

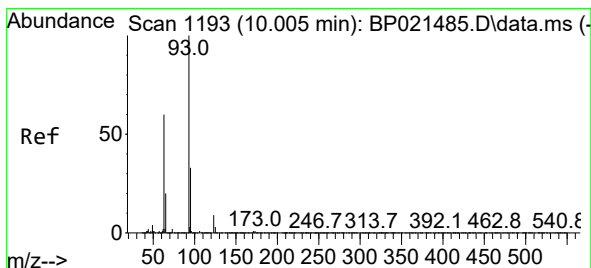
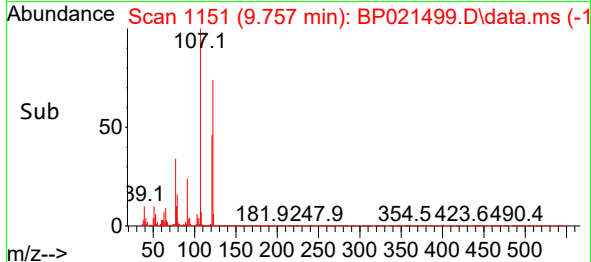
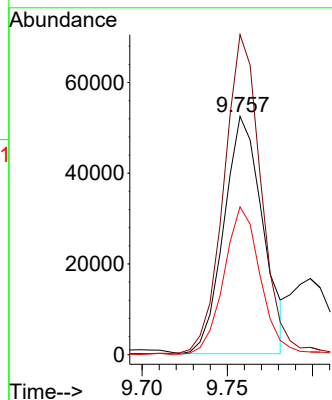
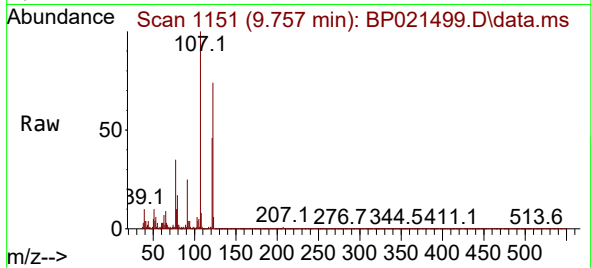
Tgt Ion:122 Resp: 82951

Ion Ratio Lower Upper

122 100

107 134.4 106.2 159.4

121 62.0 48.8 73.2



#28

bis(2-Chloroethoxy)methane

Concen: 5.340 ng

RT: 9.999 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

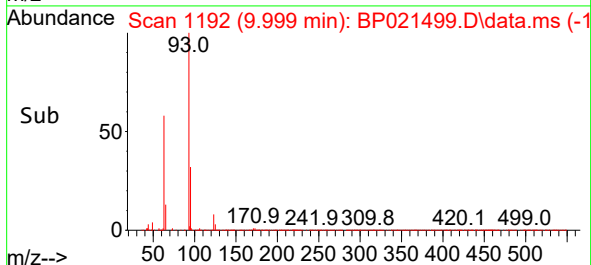
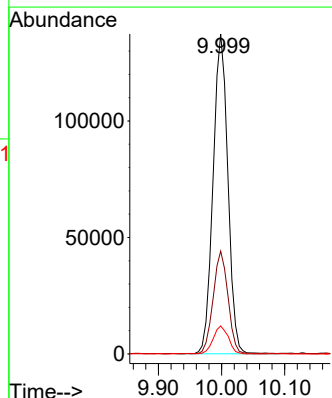
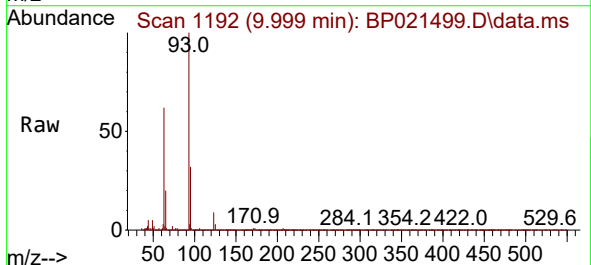
Tgt Ion: 93 Resp: 222863

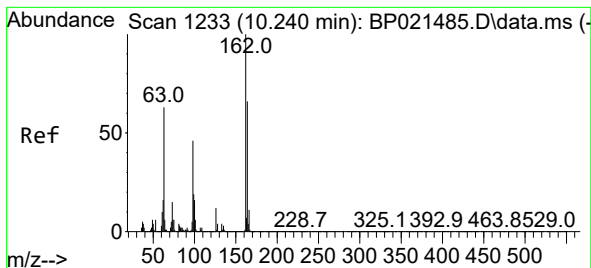
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 8.7 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 4.826 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

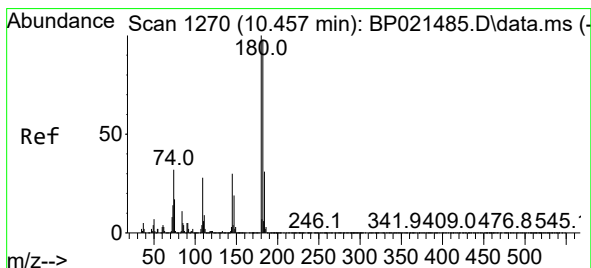
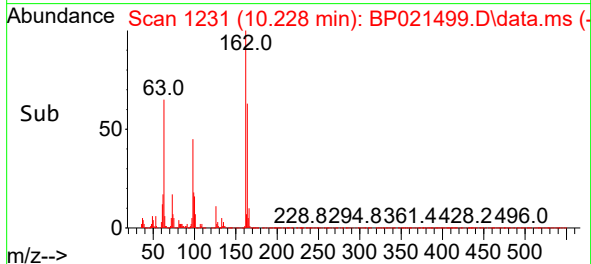
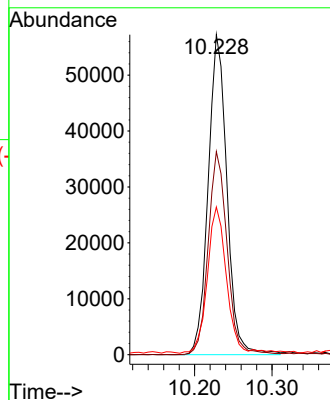
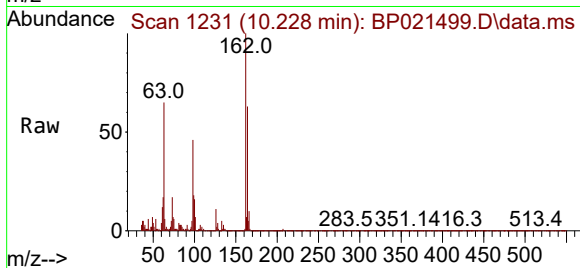
Tgt Ion:162 Resp: 96215

Ion Ratio Lower Upper

162 100

164 63.5 45.9 85.9

98 46.2 26.3 66.3



#30

1,2,4-Trichlorobenzene

Concen: 5.055 ng

RT: 10.452 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

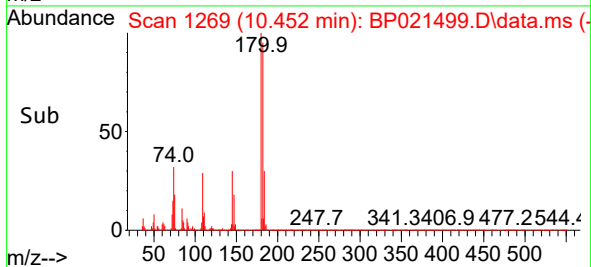
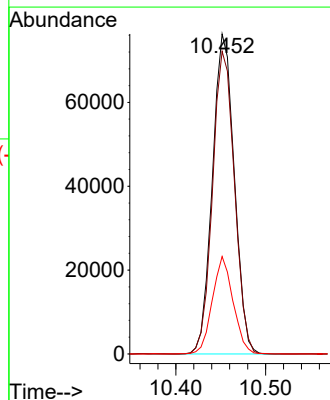
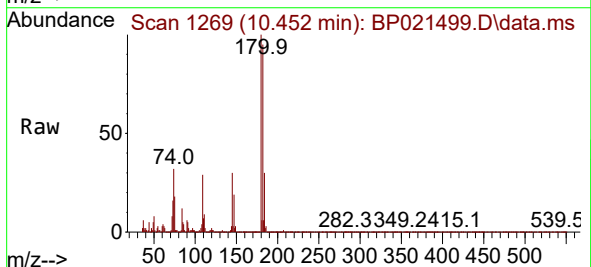
Tgt Ion:180 Resp: 129206

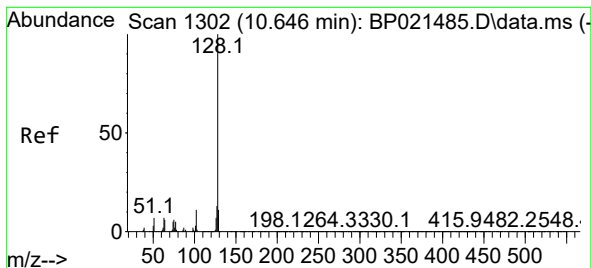
Ion Ratio Lower Upper

180 100

182 94.5 78.3 117.5

145 30.4 24.0 36.0





#31

Naphthalene

Concen: 5.118 ng

RT: 10.640 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

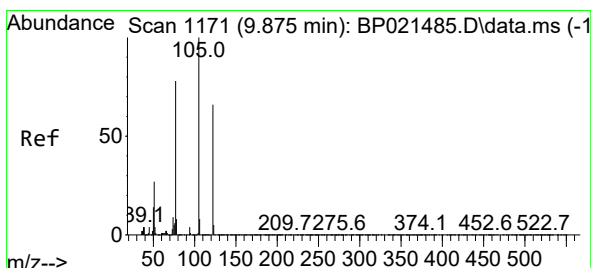
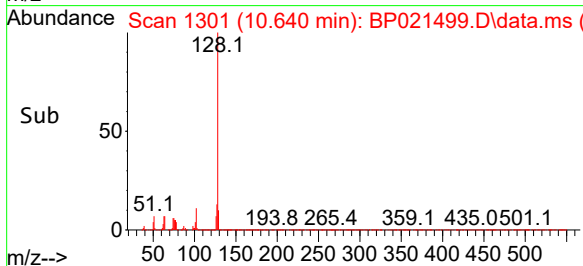
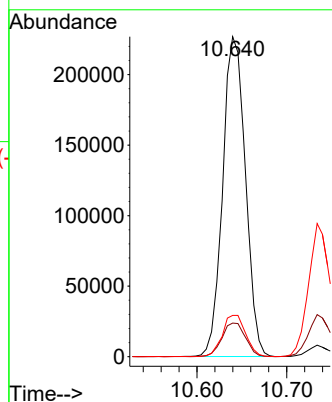
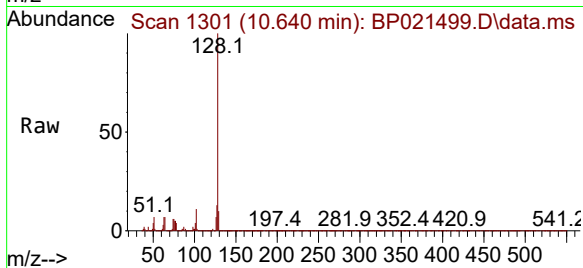
Tgt Ion:128 Resp: 399408

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

127 12.9 10.6 15.8



#32

Benzoic acid

Concen: 6.072 ng

RT: 9.799 min Scan# 1158

Delta R.T. -0.076 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

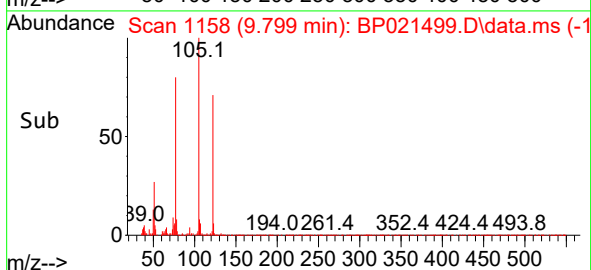
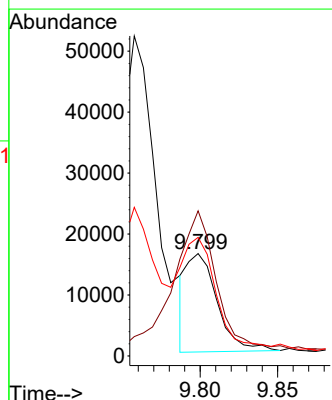
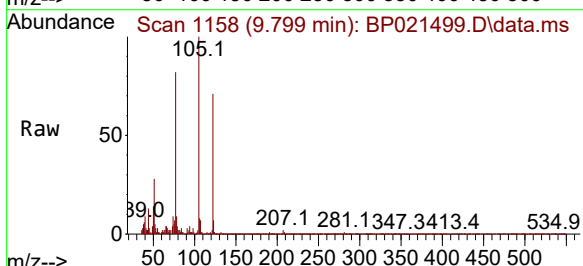
Tgt Ion:122 Resp: 22208

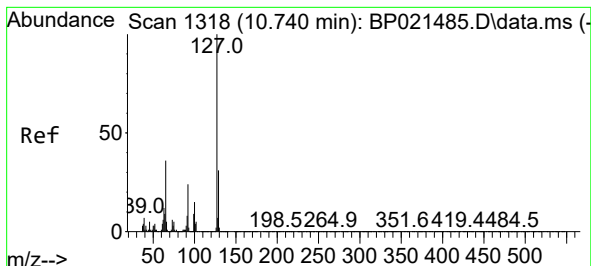
Ion Ratio Lower Upper

122 100

105 141.8 124.6 164.6

77 115.8 96.2 136.2





#33

4-Chloroaniline

Concen: 5.454 ng

RT: 10.734 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion:127 Resp: 159890

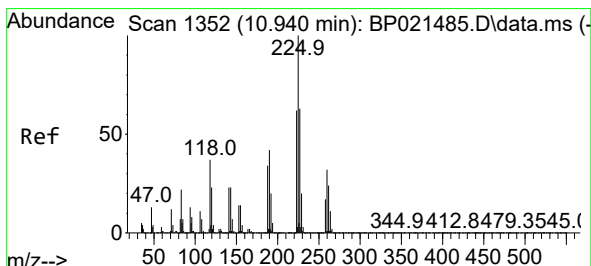
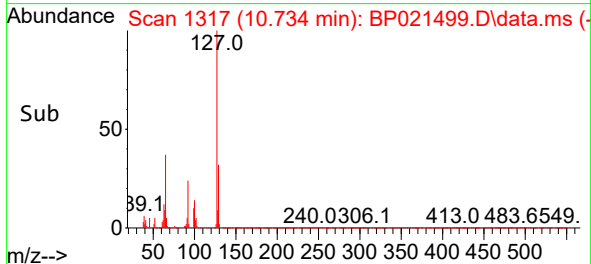
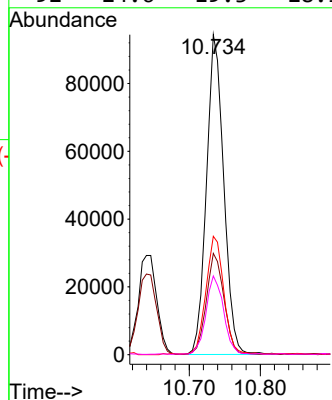
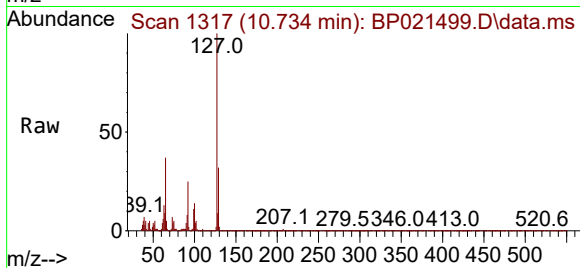
Ion Ratio Lower Upper

127 100

129 31.7 24.5 36.7

65 37.0 28.9 43.3

92 24.6 19.3 28.9



#34

Hexachlorobutadiene

Concen: 4.860 ng

RT: 10.940 min Scan# 1352

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

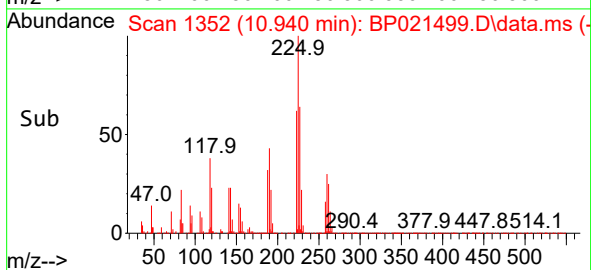
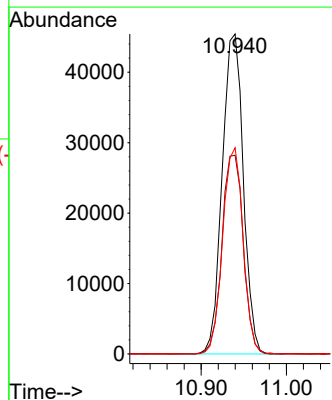
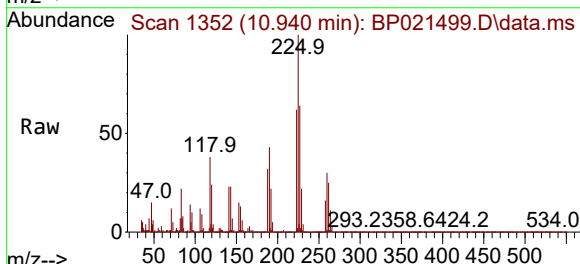
Tgt Ion:225 Resp: 78221

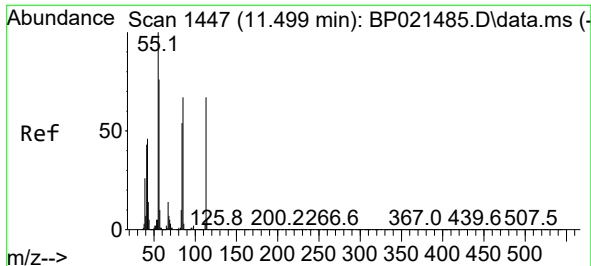
Ion Ratio Lower Upper

225 100

223 62.1 49.6 74.4

227 64.4 50.1 75.1

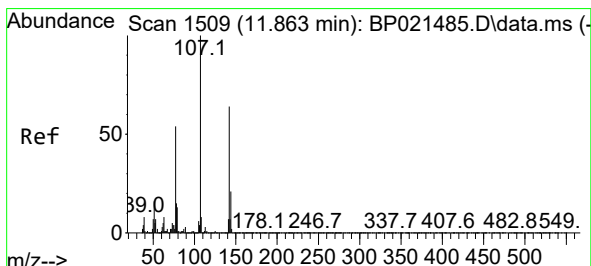
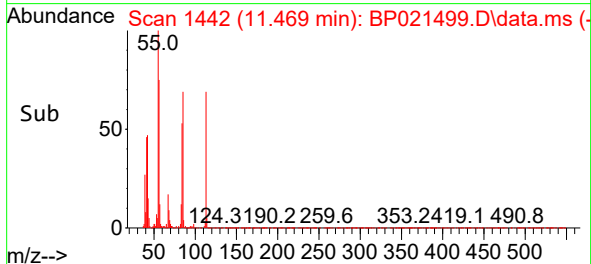
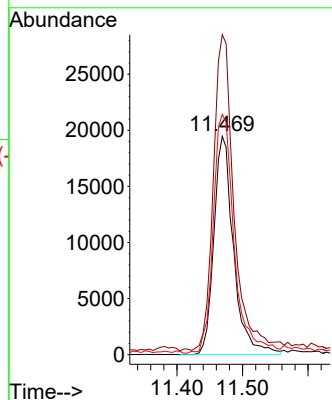
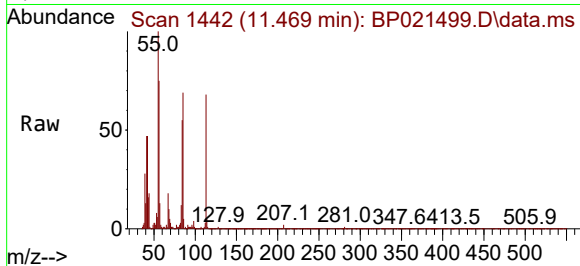




#35  
Caprolactam  
Concen: 4.883 ng  
RT: 11.469 min Scan# 1447  
Delta R.T. -0.029 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

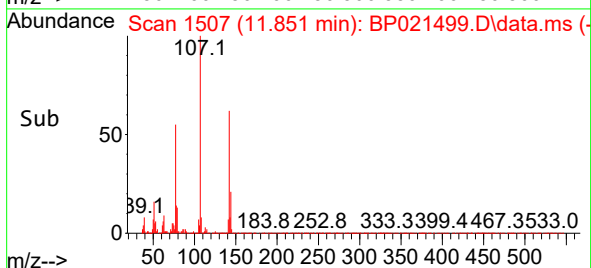
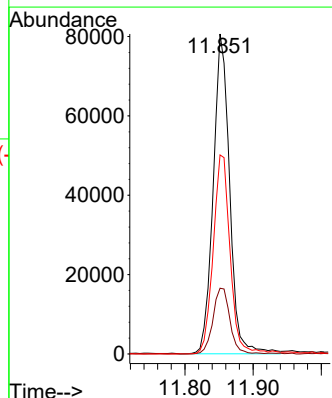
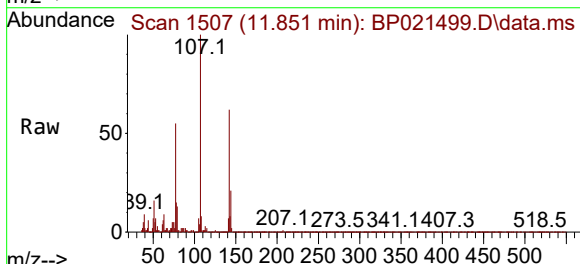
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

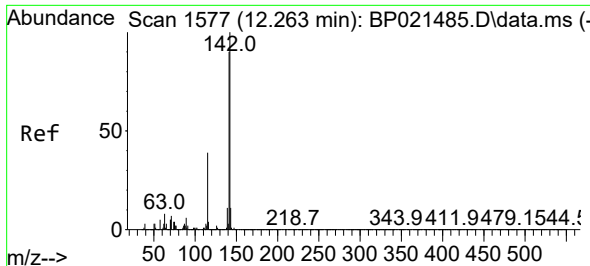
Tgt Ion:113 Resp: 40523  
Ion Ratio Lower Upper  
113 100  
55 146.5 130.6 170.6  
56 110.1 94.6 134.6



#36  
4-Chloro-3-methylphenol  
Concen: 4.892 ng  
RT: 11.851 min Scan# 1507  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:107 Resp: 135312  
Ion Ratio Lower Upper  
107 100  
144 20.6 16.6 24.8  
142 62.2 51.0 76.4

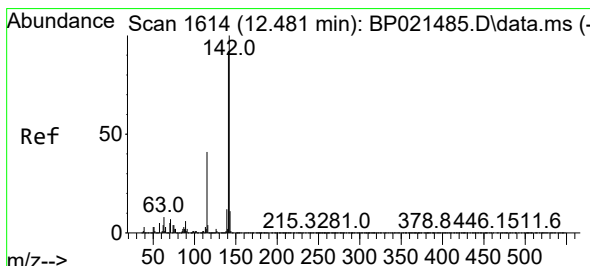
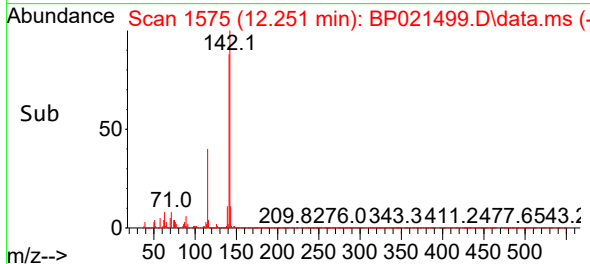
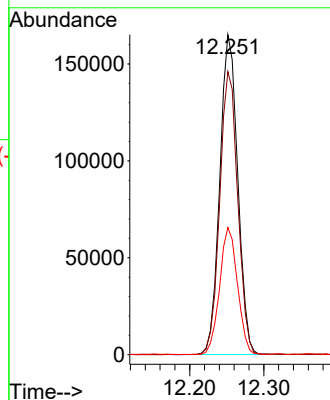
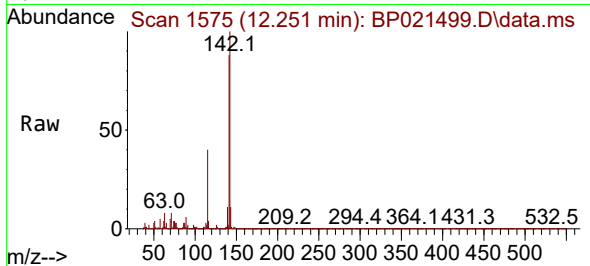




#37  
2-Methylnaphthalene  
Concen: 5.203 ng  
RT: 12.251 min Scan# 1575  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

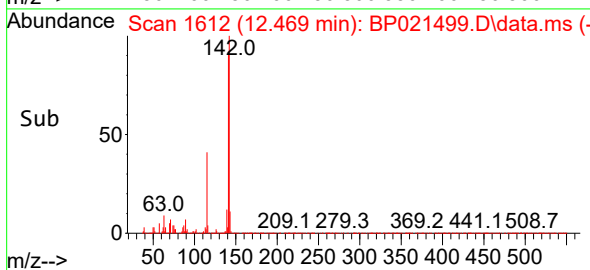
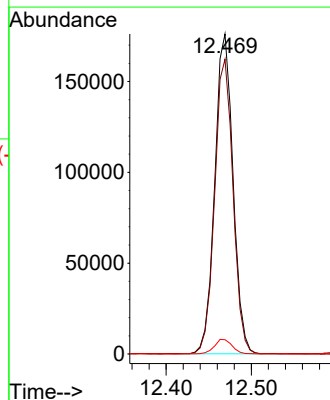
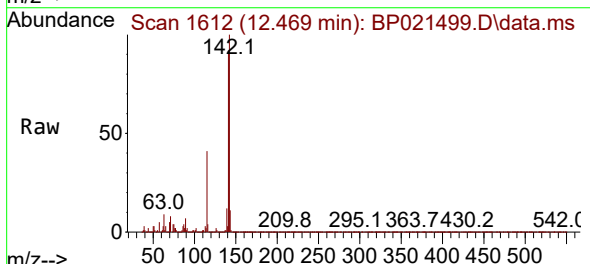
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

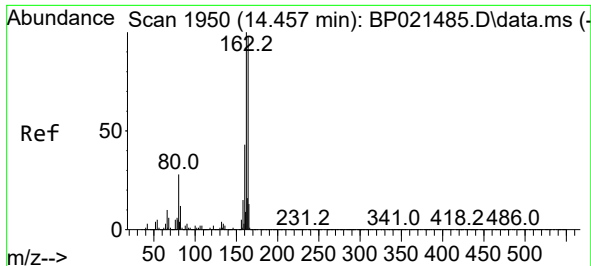
Tgt Ion:142 Resp: 277123  
Ion Ratio Lower Upper  
142 100  
141 88.4 71.7 107.5  
115 39.7 31.4 47.2



#38  
1-Methylnaphthalene  
Concen: 4.989 ng  
RT: 12.469 min Scan# 1612  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:142 Resp: 262059  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.5 110.3  
116 4.5 3.4 5.2

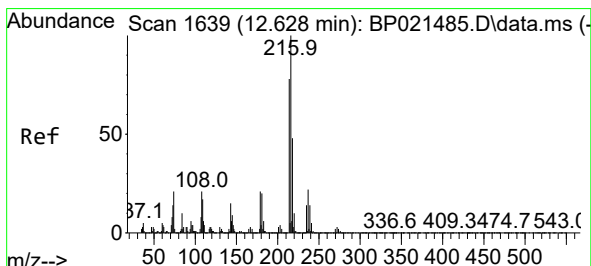
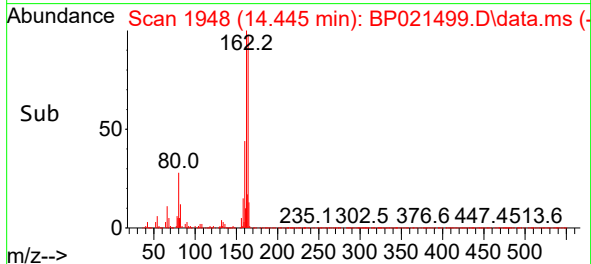
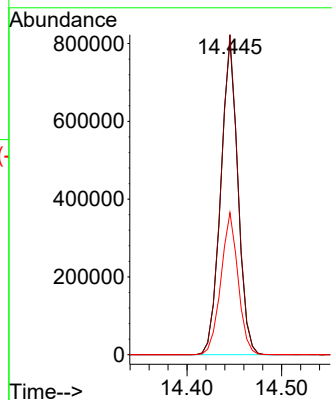
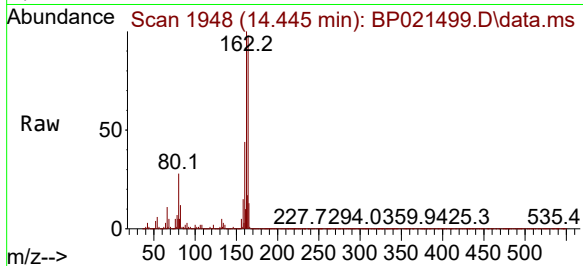




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.445 min Scan# 1950  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

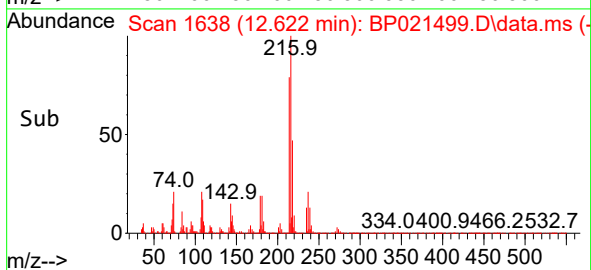
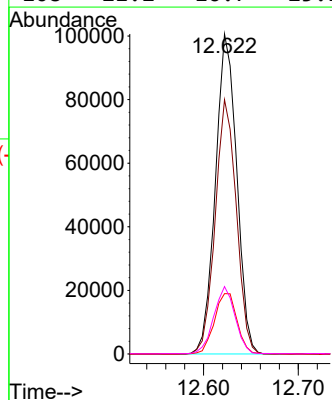
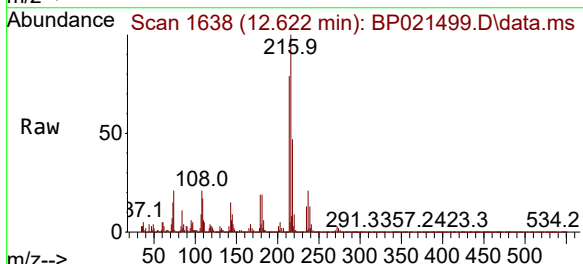
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

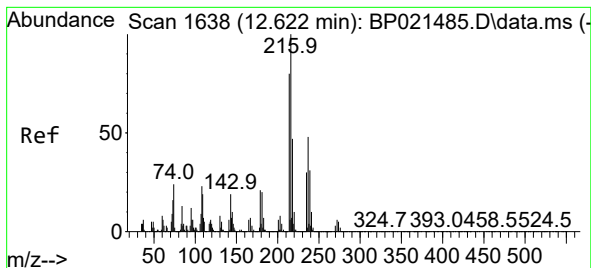
Tgt Ion:164 Resp: 1018509  
Ion Ratio Lower Upper  
164 100  
162 102.1 81.5 122.3  
160 45.3 35.2 52.8



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 5.271 ng  
RT: 12.622 min Scan# 1638  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:216 Resp: 157301  
Ion Ratio Lower Upper  
216 100  
214 78.8 62.5 93.7  
179 20.2 16.4 24.6  
108 21.2 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 4.746 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

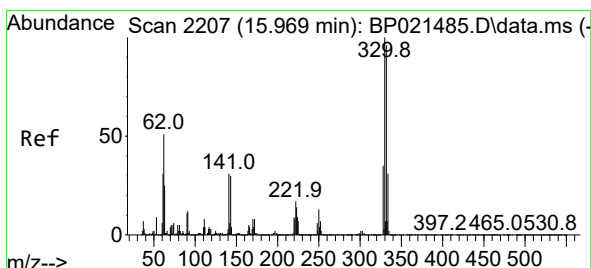
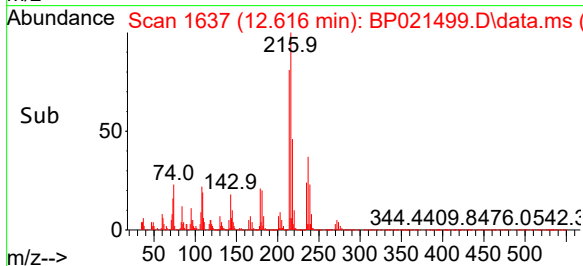
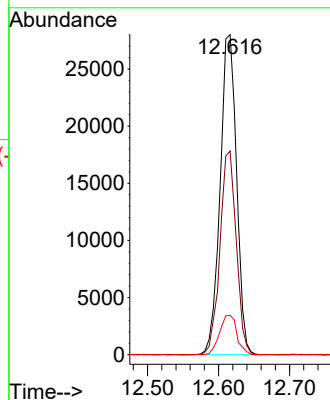
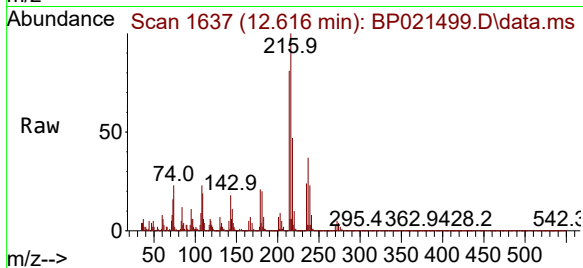
Tgt Ion:237 Resp: 44891

Ion Ratio Lower Upper

237 100

235 63.7 43.9 83.9

272 12.3 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 123.302 ng

RT: 15.951 min Scan# 2204

Delta R.T. -0.018 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

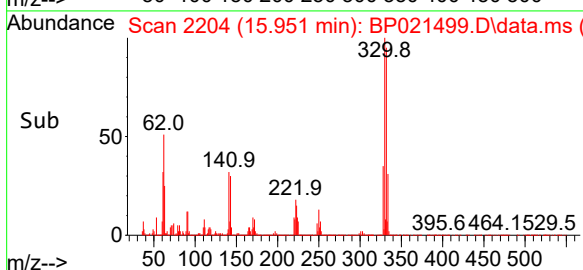
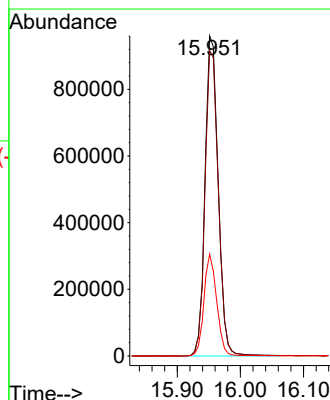
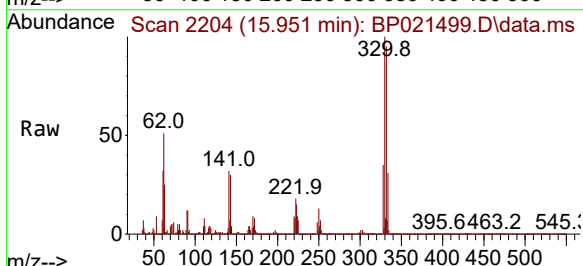
Tgt Ion:330 Resp: 1397704

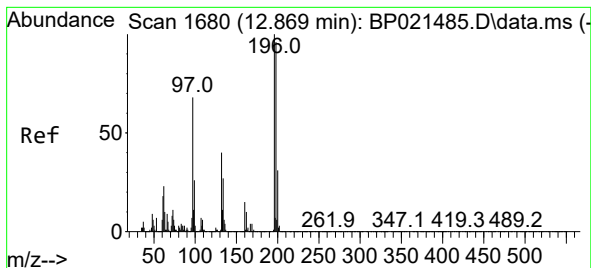
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 30.8 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 4.542 ng

RT: 12.857 min Scan# 1678

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

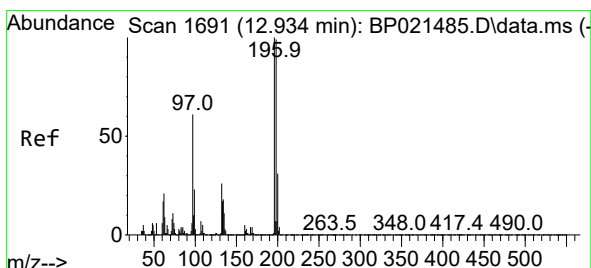
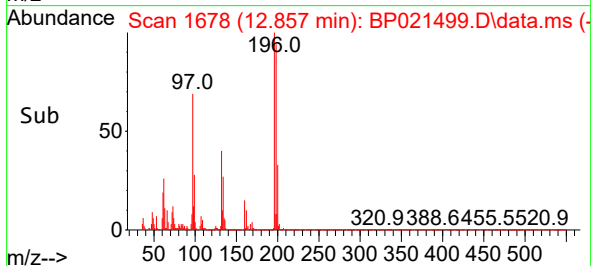
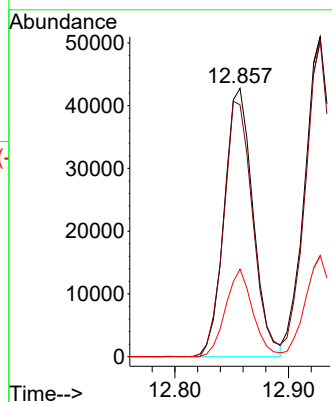
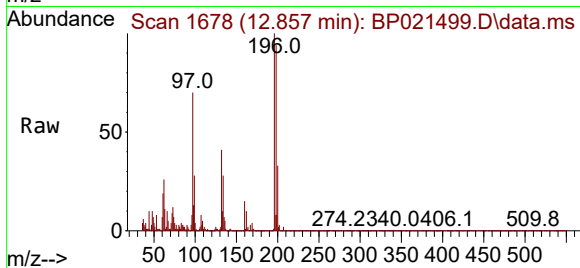
Tgt Ion:196 Resp: 75297

Ion Ratio Lower Upper

196 100

198 93.9 76.6 114.8

200 32.6 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 4.829 ng

RT: 12.928 min Scan# 1690

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:196 Resp: 88933

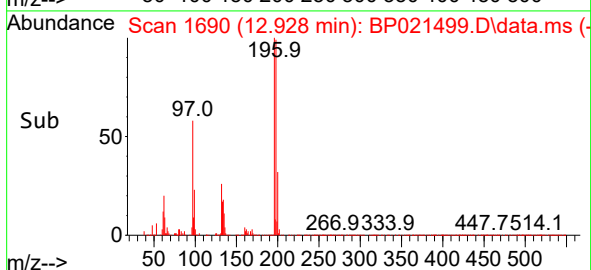
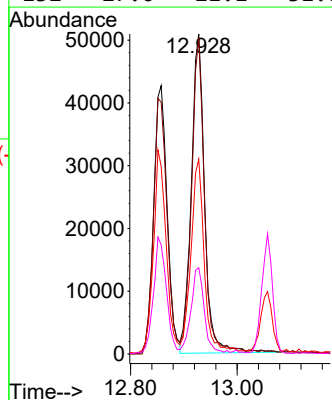
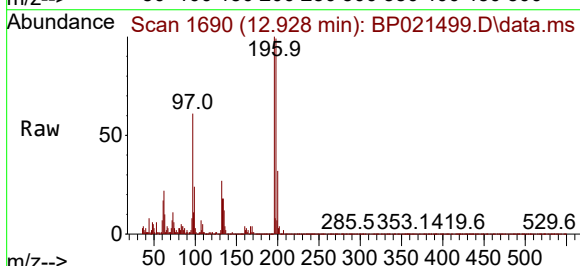
Ion Ratio Lower Upper

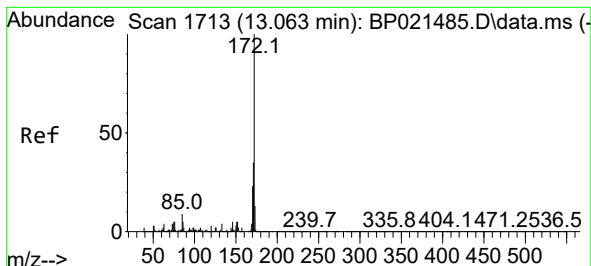
196 100

198 98.7 78.9 118.3

97 60.8 49.4 74.0

132 27.0 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 89.893 ng

RT: 13.057 min Scan# 1712

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

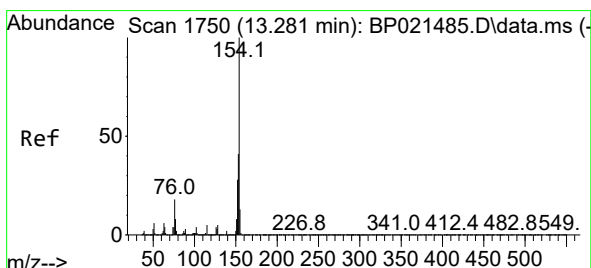
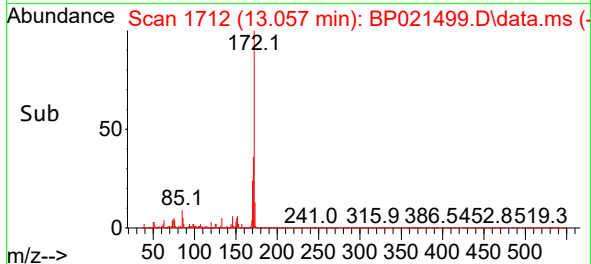
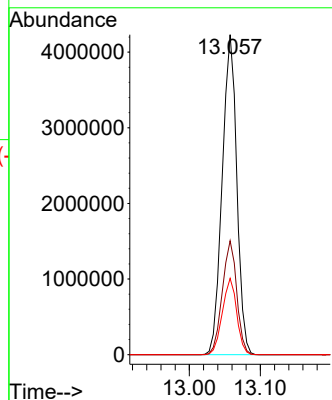
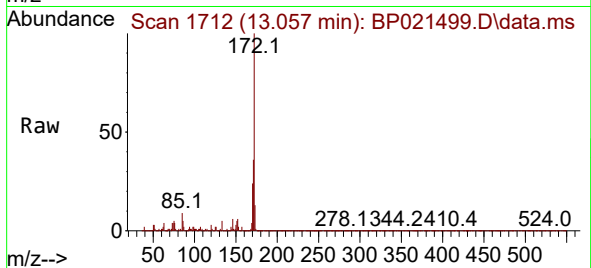
Tgt Ion:172 Resp: 5999172

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

170 23.8 18.4 27.6



#46

1,1'-Biphenyl

Concen: 5.408 ng

RT: 13.269 min Scan# 1748

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

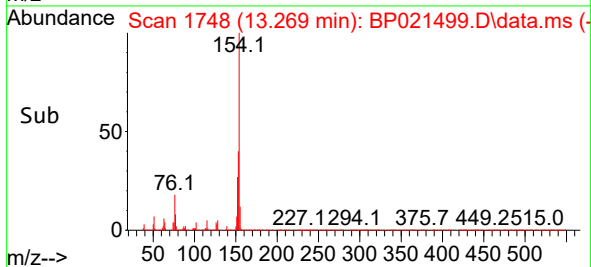
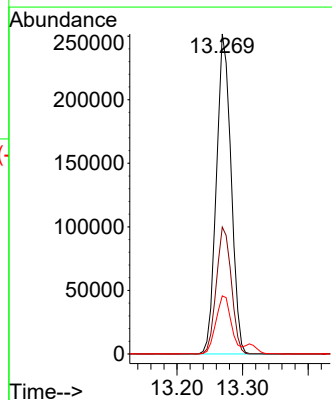
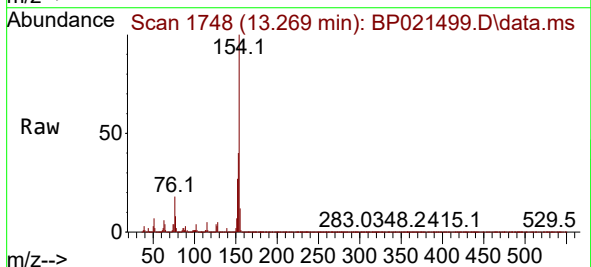
Tgt Ion:154 Resp: 389718

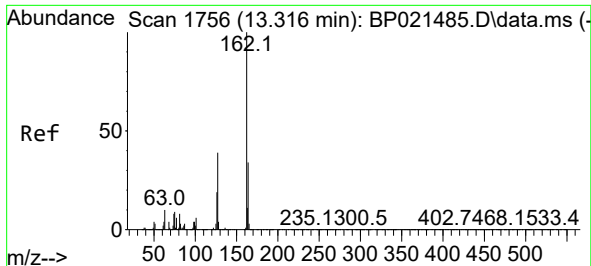
Ion Ratio Lower Upper

154 100

153 39.7 20.7 60.7

76 18.2 0.0 37.7

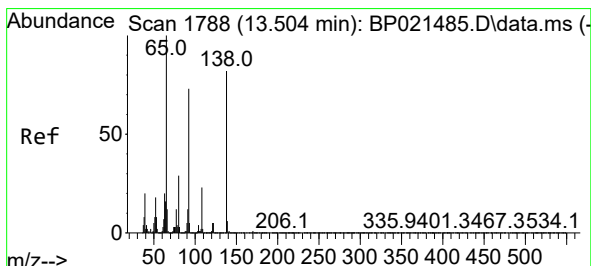
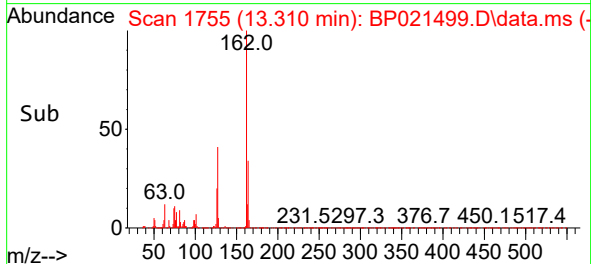
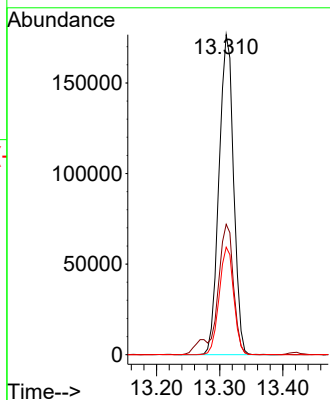
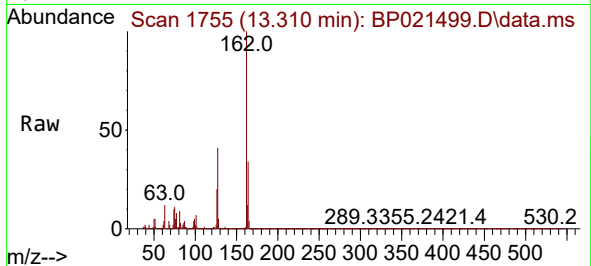




#47  
2-Chloronaphthalene  
Concen: 5.040 ng  
RT: 13.310 min Scan# 1755  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

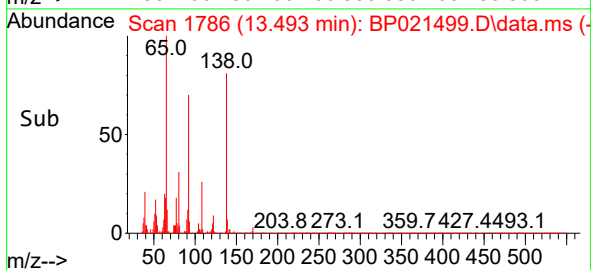
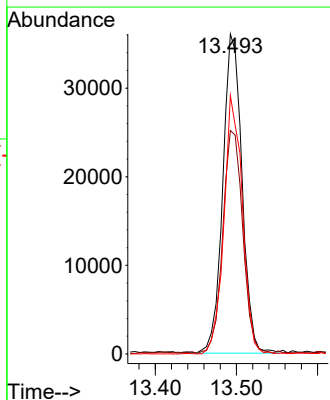
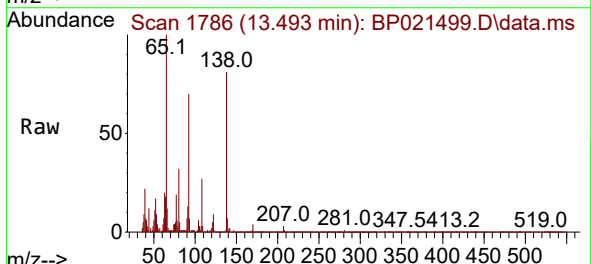
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

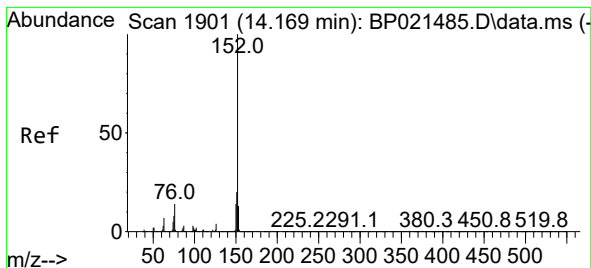
Tgt Ion:162 Resp: 282725  
Ion Ratio Lower Upper  
162 100  
127 40.7 31.9 47.9  
164 33.6 26.8 40.2



#48  
2-Nitroaniline  
Concen: 4.548 ng  
RT: 13.493 min Scan# 1786  
Delta R.T. -0.011 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion: 65 Resp: 59322  
Ion Ratio Lower Upper  
65 100  
92 69.8 58.1 87.1  
138 80.7 65.5 98.3





#49

Acenaphthylene

Concen: 5.549 ng

RT: 14.157 min Scan# 1899

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

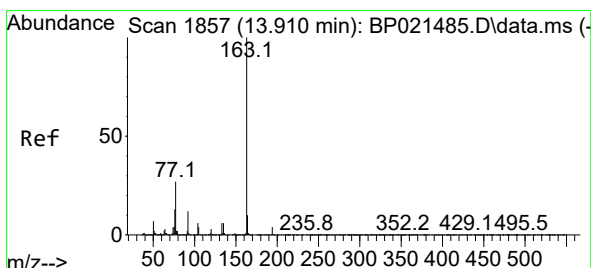
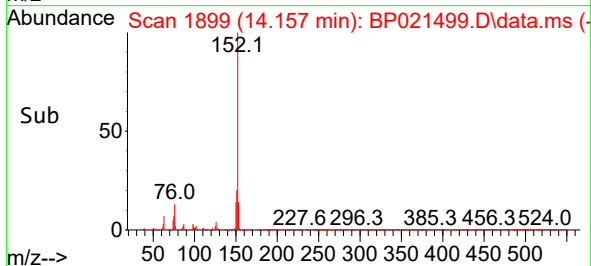
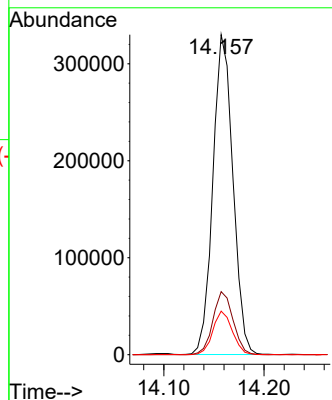
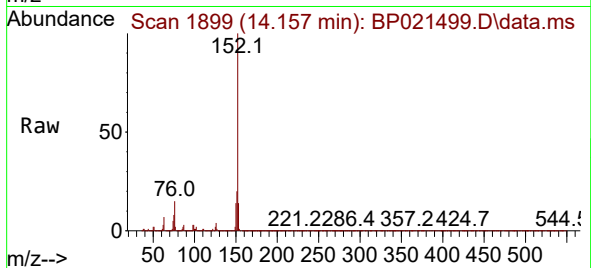
Tgt Ion:152 Resp: 457610

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 13.6 10.6 16.0



#50

Dimethylphthalate

Concen: 5.316 ng

RT: 13.893 min Scan# 1854

Delta R.T. -0.017 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

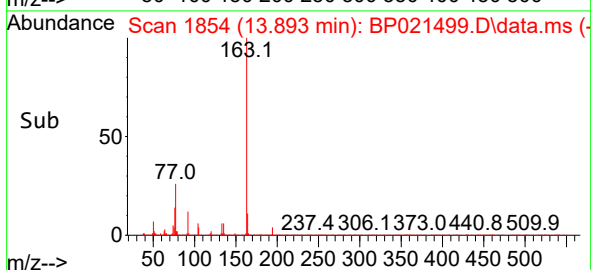
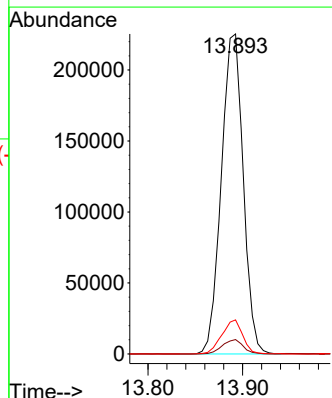
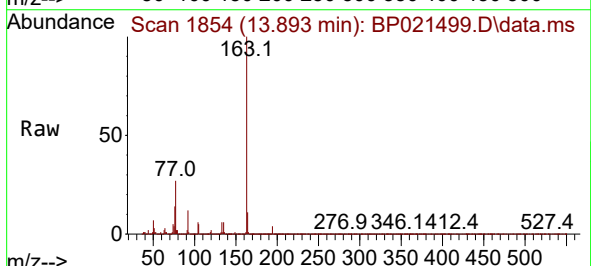
Tgt Ion:163 Resp: 362620

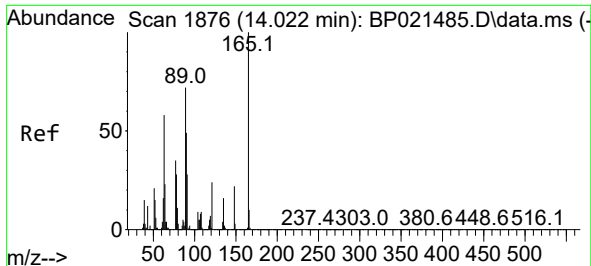
Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

164 10.6 8.3 12.5

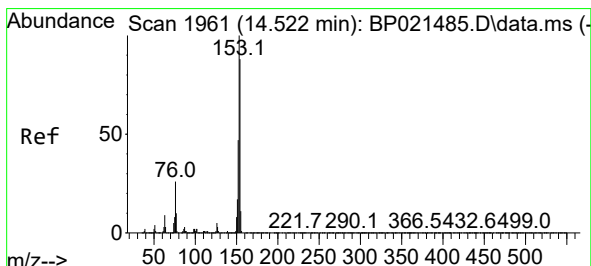
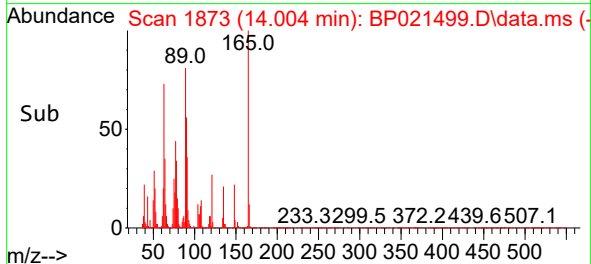
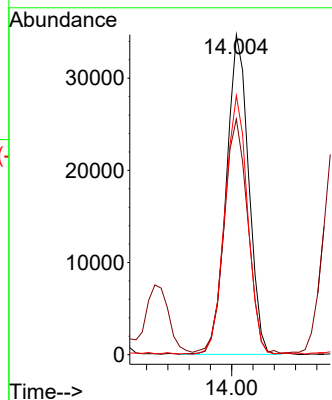
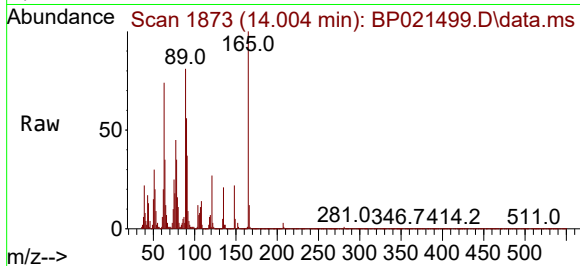




#51  
2,6-Dinitrotoluene  
Concen: 4.280 ng  
RT: 14.004 min Scan# 1876  
Delta R.T. -0.018 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

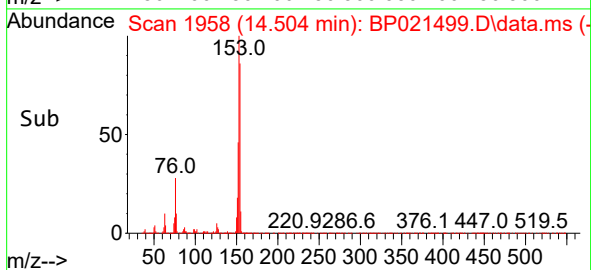
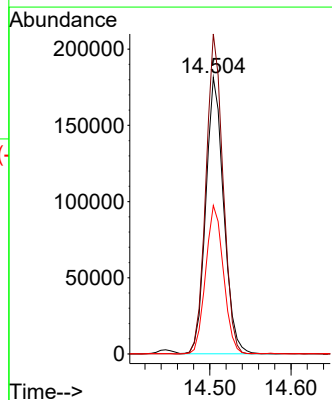
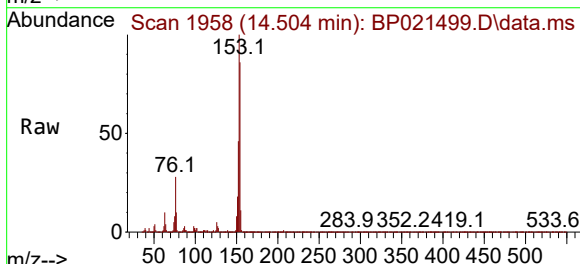
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

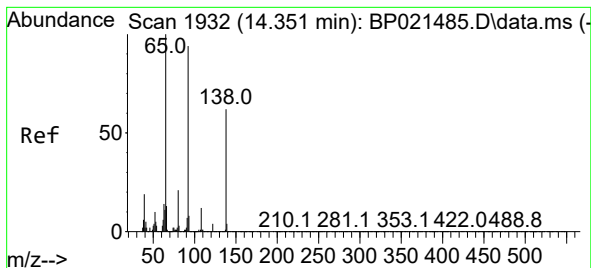
Tgt Ion:165 Resp: 50597  
Ion Ratio Lower Upper  
165 100  
63 73.7 51.5 77.3  
89 81.0 57.8 86.8



#52  
Acenaphthene  
Concen: 5.135 ng  
RT: 14.504 min Scan# 1958  
Delta R.T. -0.018 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:154 Resp: 277853  
Ion Ratio Lower Upper  
154 100  
153 115.7 91.1 136.7  
152 53.7 43.0 64.4





#53

3-Nitroaniline

Concen: 4.545 ng

RT: 14.334 min Scan# 1932

Delta R.T. -0.017 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

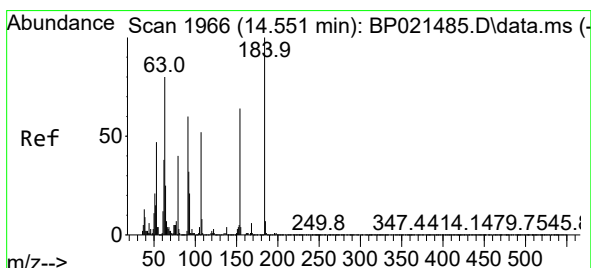
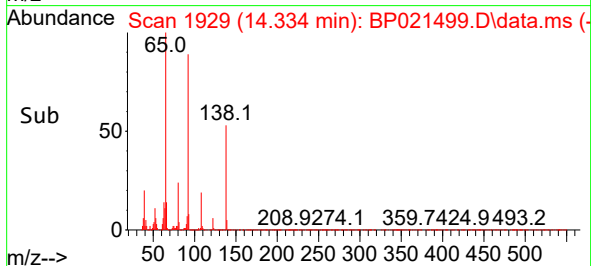
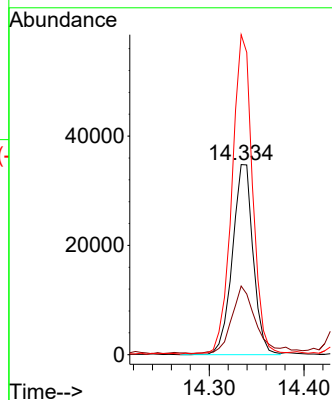
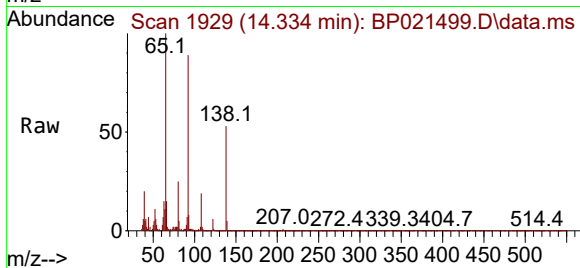
Tgt Ion:138 Resp: 52824

Ion Ratio Lower Upper

138 100

108 36.1 16.2 24.4#

92 168.3 122.2 183.4



#54

2,4-Dinitrophenol

Concen: 7.253 ng

RT: 14.534 min Scan# 1963

Delta R.T. -0.017 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

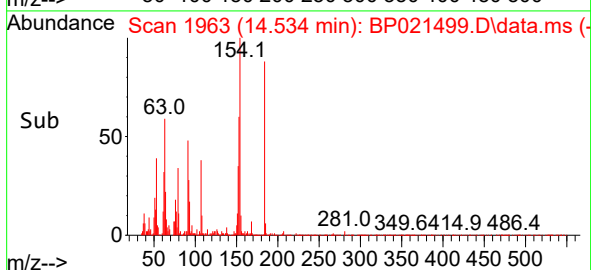
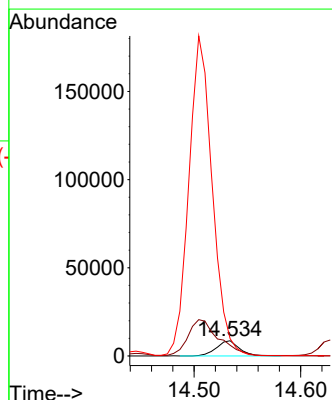
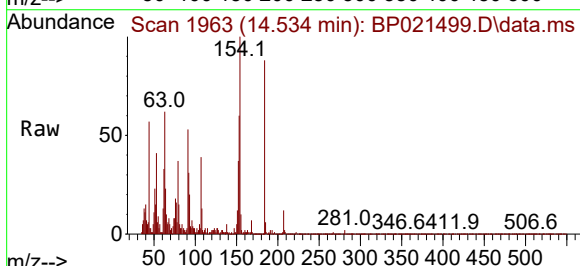
Tgt Ion:184 Resp: 12858

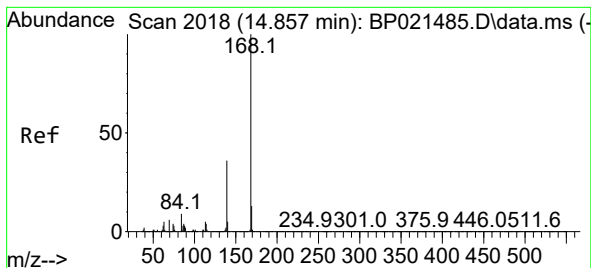
Ion Ratio Lower Upper

184 100

63 70.3 64.9 97.3

154 114.2 52.1 78.1#





#55

Dibenzenofuran

Concen: 5.417 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

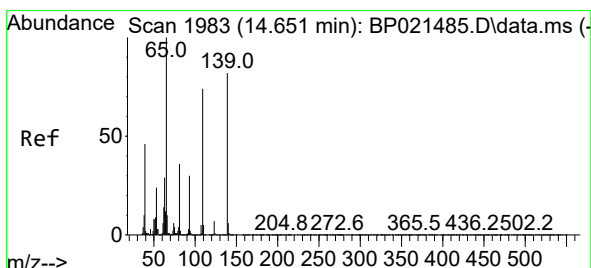
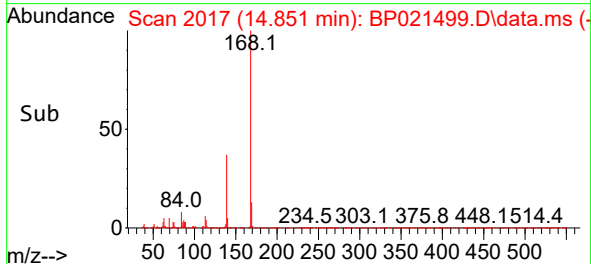
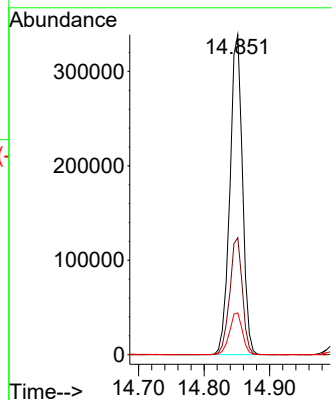
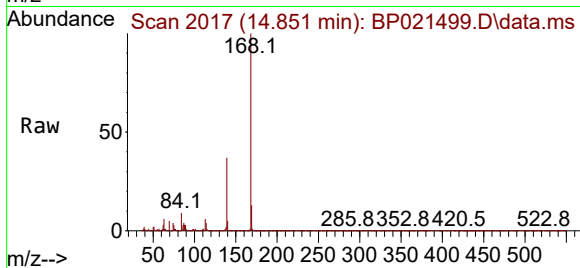
Tgt Ion:168 Resp: 450960

Ion Ratio Lower Upper

168 100

139 36.6 28.6 43.0

169 13.1 10.6 16.0



#56

4-Nitrophenol

Concen: 8.264 ng

RT: 14.628 min Scan# 1979

Delta R.T. -0.023 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

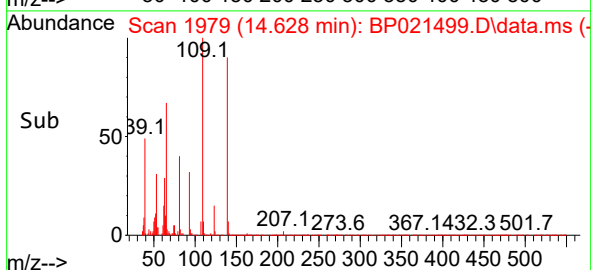
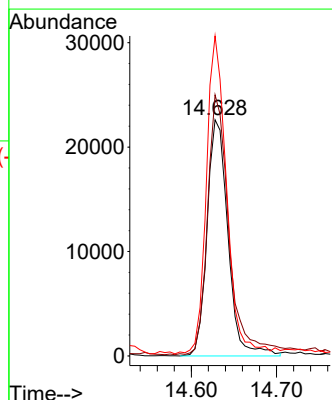
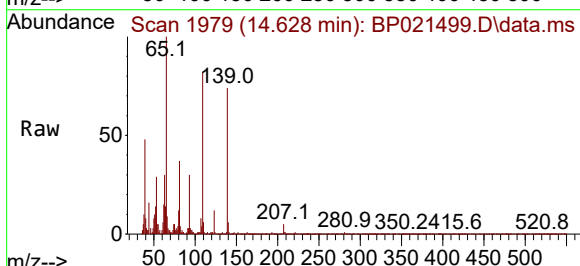
Tgt Ion:139 Resp: 38472

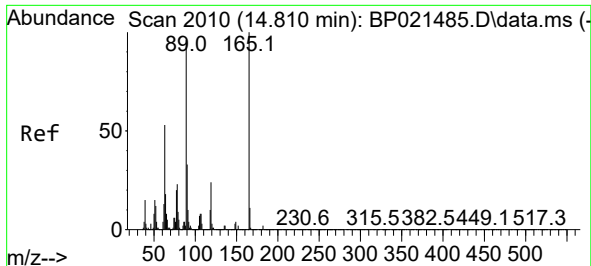
Ion Ratio Lower Upper

139 100

109 110.6 70.2 110.2#

65 135.5 101.8 141.8

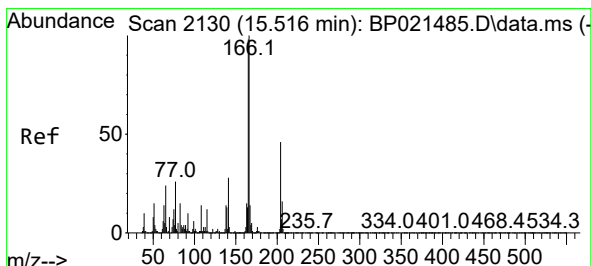
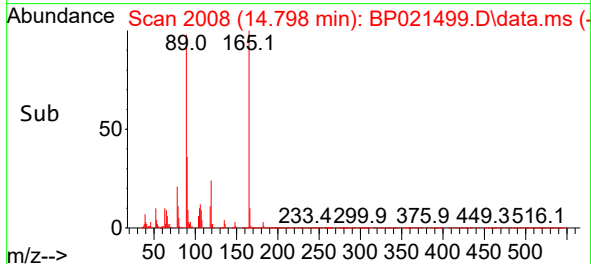
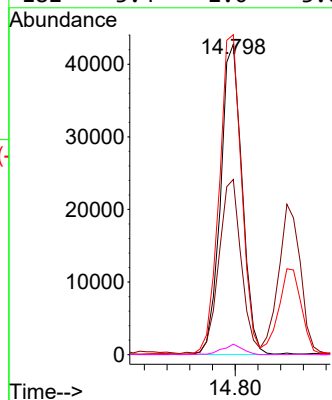
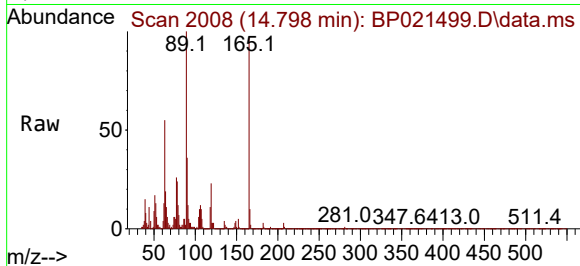




#57  
2,4-Dinitrotoluene  
Concen: 3.885 ng  
RT: 14.798 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

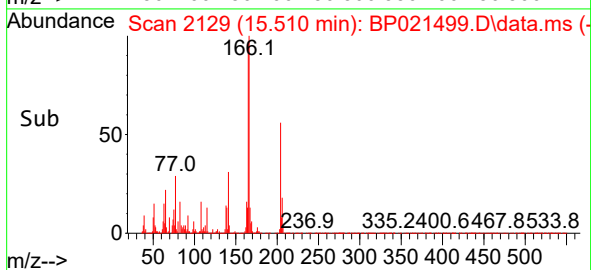
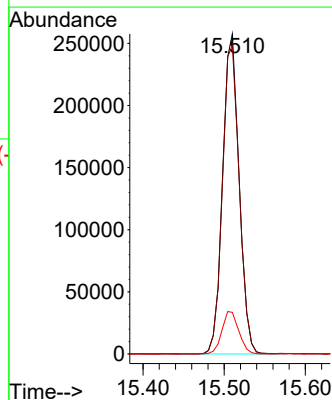
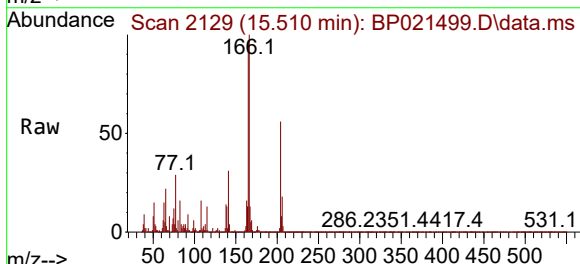
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

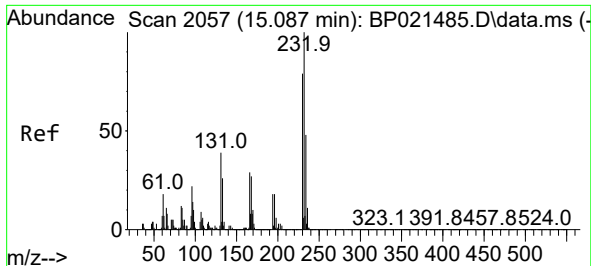
Tgt Ion:165 Resp: 56275  
Ion Ratio Lower Upper  
165 100  
63 56.4 42.5 63.7  
89 103.1 77.1 115.7  
182 3.4 2.0 3.0#



#58  
Fluorene  
Concen: 5.324 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:166 Resp: 364114  
Ion Ratio Lower Upper  
166 100  
165 96.5 78.1 117.1  
167 13.0 11.0 16.4

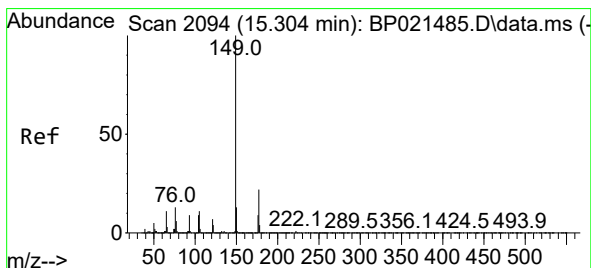
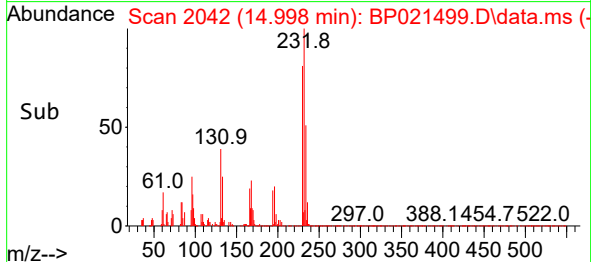
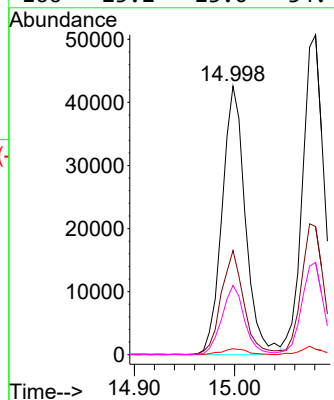
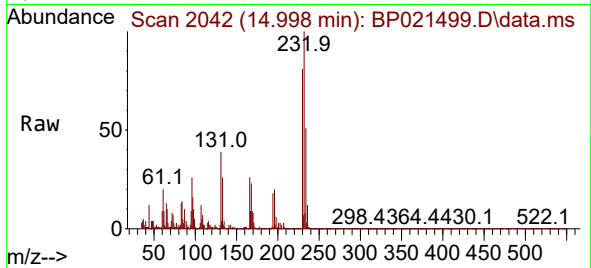




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 4.396 ng  
RT: 14.998 min Scan# 2042  
Delta R.T. -0.088 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

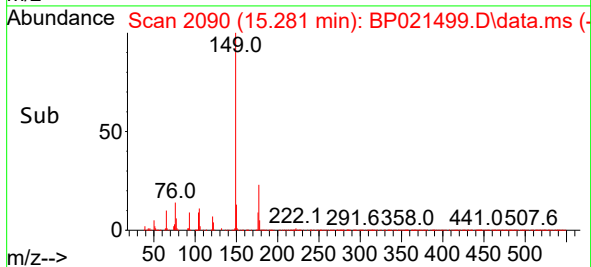
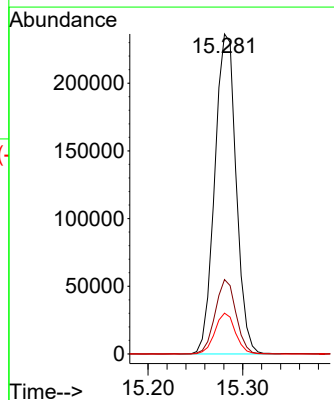
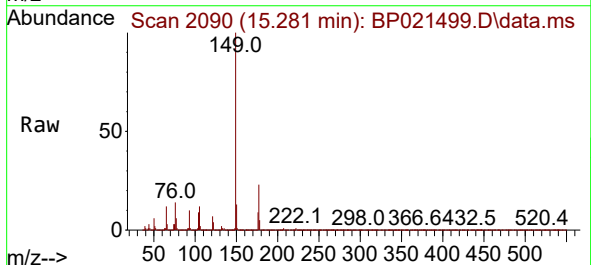
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

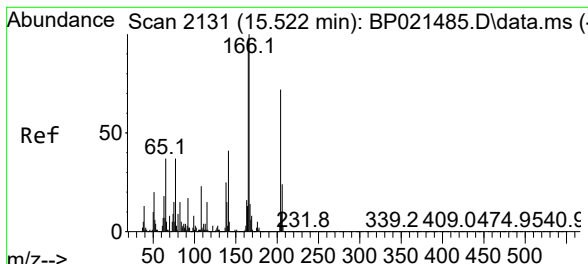
|             |             |
|-------------|-------------|
| Tgt Ion:232 | Resp: 68728 |
| Ion Ratio   | Lower Upper |
| 232 100     |             |
| 131 37.2    | 33.1 49.7   |
| 130 2.4     | 1.7 2.5     |
| 166 25.2    | 23.0 34.4   |



#60  
Diethylphthalate  
Concen: 5.300 ng  
RT: 15.281 min Scan# 2090  
Delta R.T. -0.024 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 370913 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 177 23.3    | 17.8 26.8    |
| 150 12.8    | 10.1 15.1    |

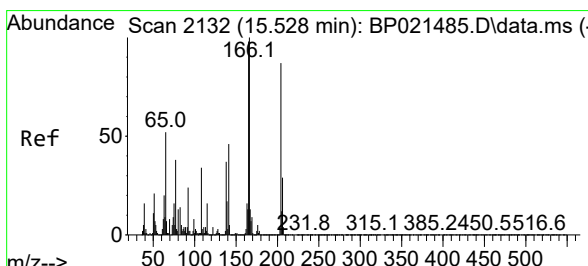
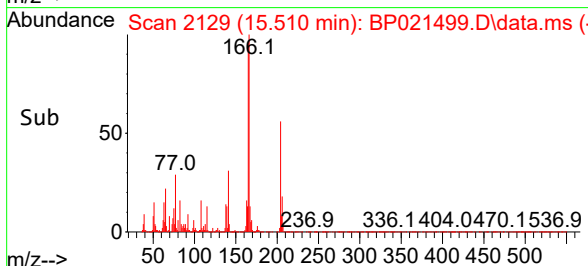
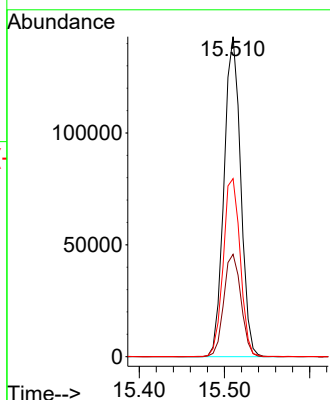
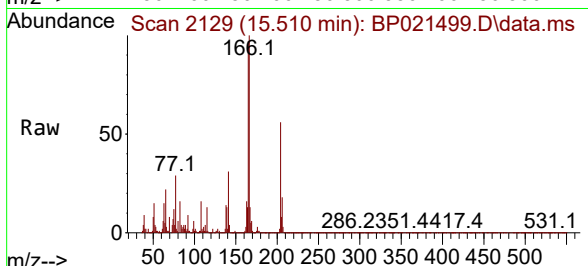




#61  
4-Chlorophenyl-phenylether  
Concen: 5.493 ng  
RT: 15.510 min Scan# 2128  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

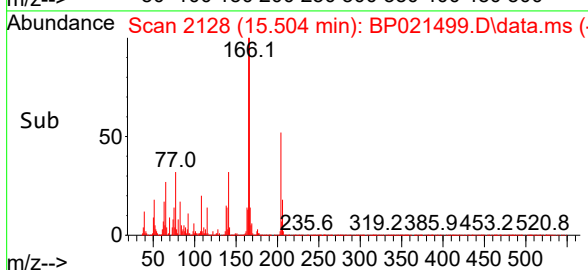
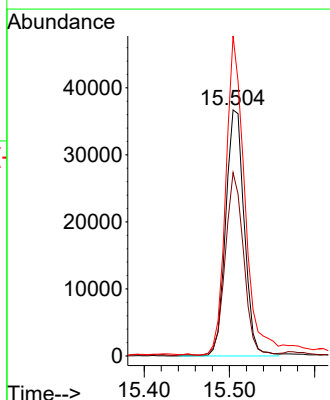
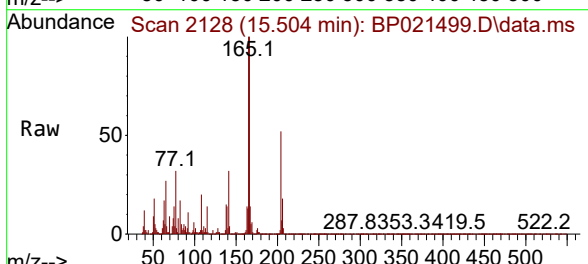
Instrument : BNA\_P  
ClientSampleId : LOQ-SOIL-02-QT3-2024

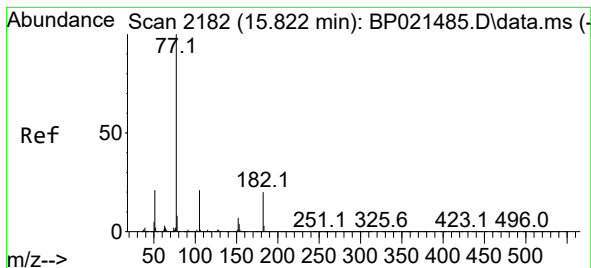
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 194187 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.0  | 26.4  | 39.6   |
| 141       | 55.7  | 46.1  | 69.1   |



#62  
4-Nitroaniline  
Concen: 4.514 ng  
RT: 15.504 min Scan# 2128  
Delta R.T. -0.024 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 55473 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 74.5  | 46.4  | 86.4  |
| 108       | 130.0 | 73.2  | 113.2 |

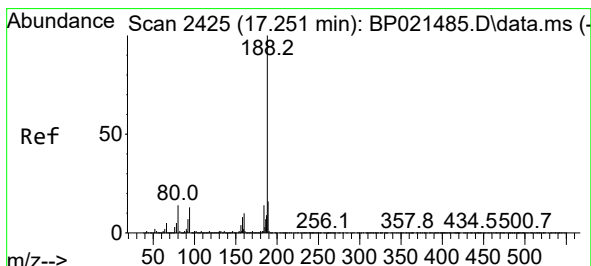
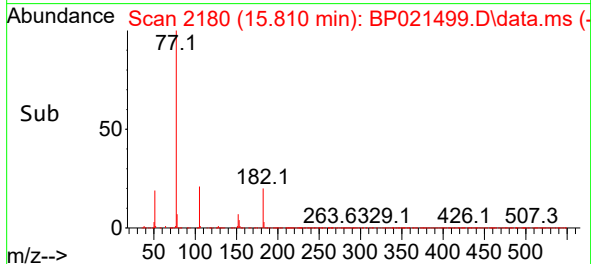
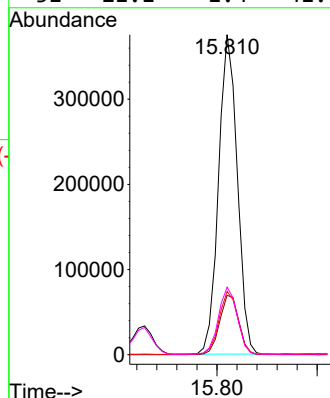
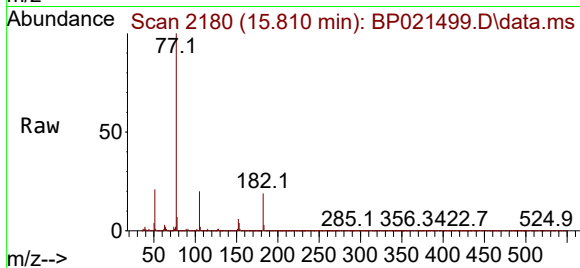




#63  
Azobenzene  
Concen: 5.635 ng  
RT: 15.810 min Scan# 2182  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

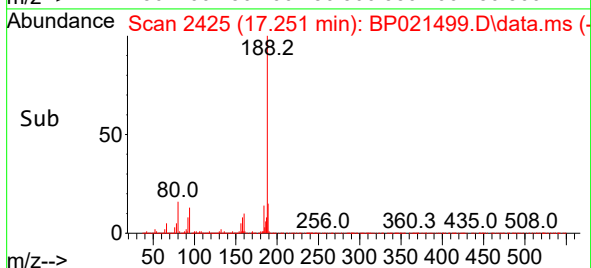
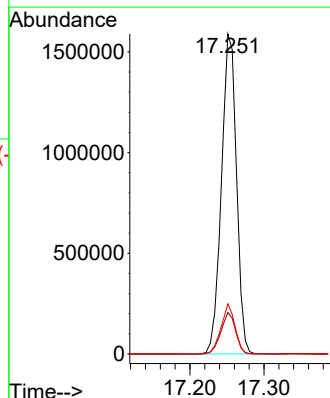
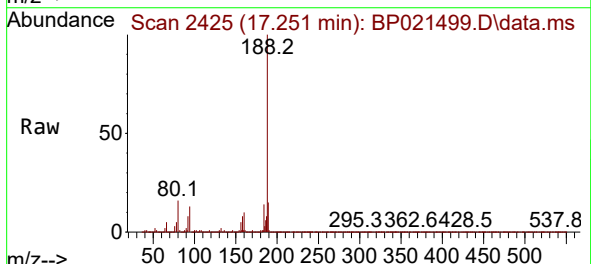
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

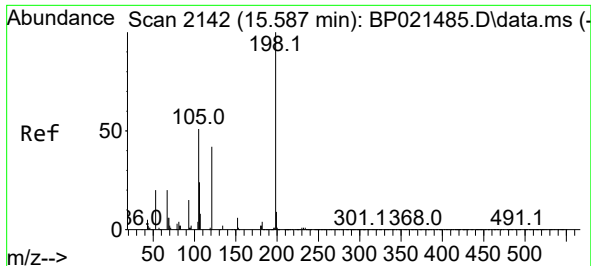
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 484737 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 18.6    | 0.0 39.9     |
| 105 19.7    | 0.9 40.9     |
| 51 21.1     | 1.4 41.4     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 2425  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

|              |               |
|--------------|---------------|
| Tgt Ion: 188 | Resp: 2238816 |
| Ion Ratio    | Lower Upper   |
| 188 100      |               |
| 94 13.0      | 10.2 15.4     |
| 80 15.7      | 11.6 17.4     |

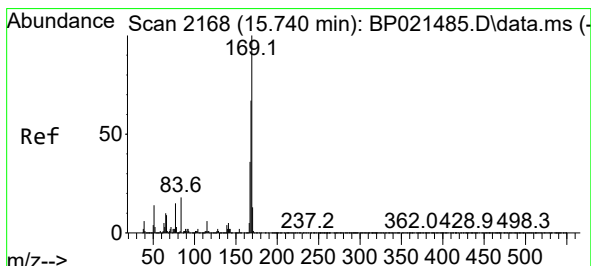
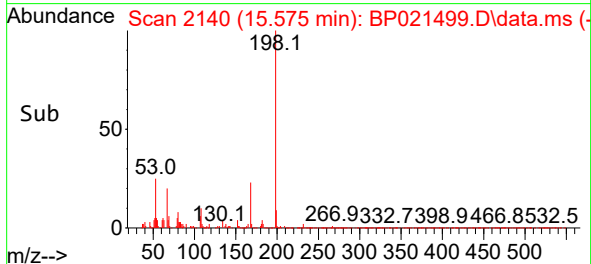
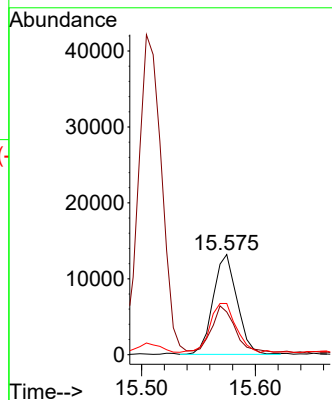
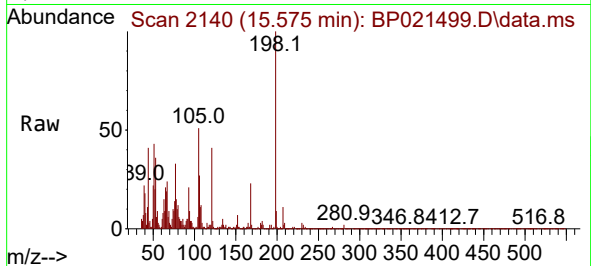




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.211 ng  
RT: 15.575 min Scan# 2142  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

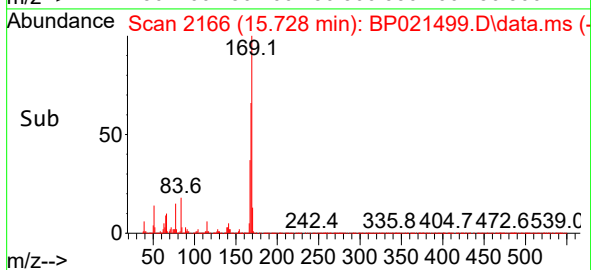
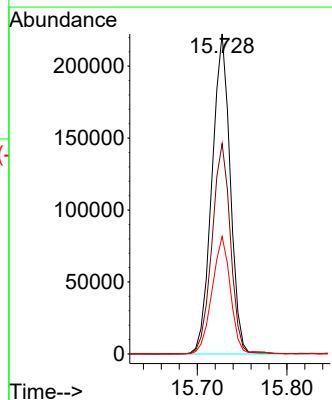
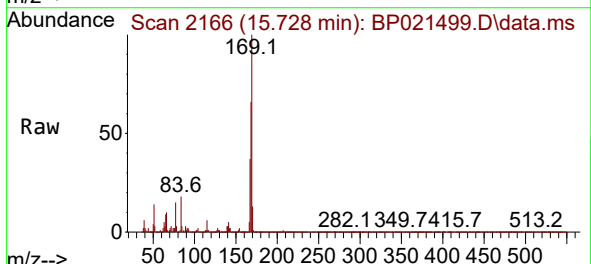
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

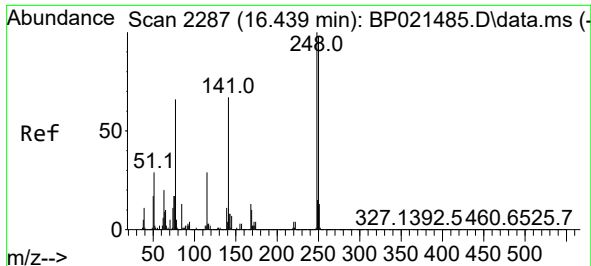
Tgt Ion:198 Resp: 19297  
Ion Ratio Lower Upper  
198 100  
51 42.7 21.5 61.5  
105 51.2 32.9 72.9



#66  
n-Nitrosodiphenylamine  
Concen: 5.238 ng  
RT: 15.728 min Scan# 2166  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:169 Resp: 314285  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.4 80.2  
167 36.7 28.7 43.1

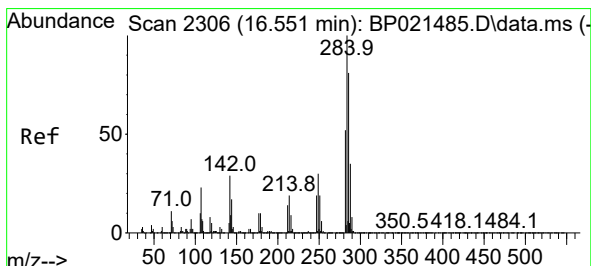
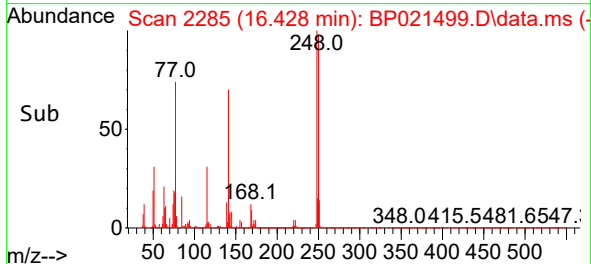
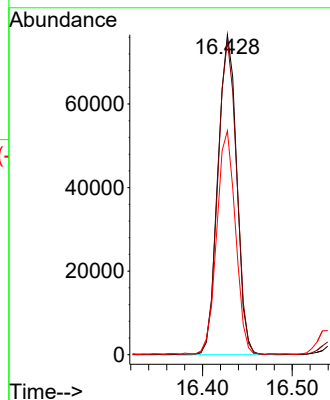
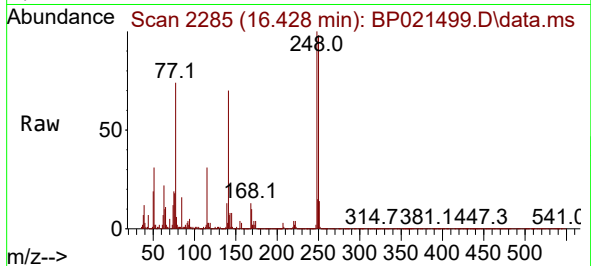




#67  
4-Bromophenyl-phenylether  
Concen: 4.692 ng  
RT: 16.428 min Scan# 2111  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

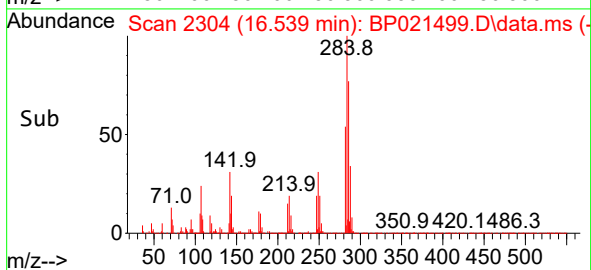
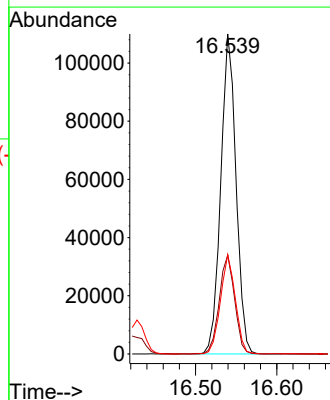
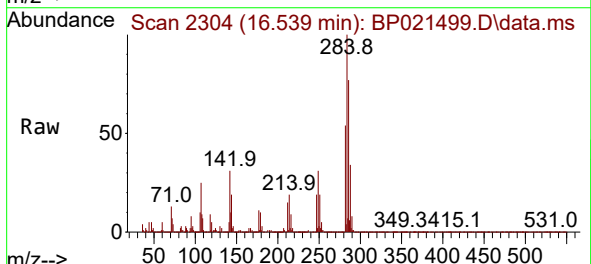
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

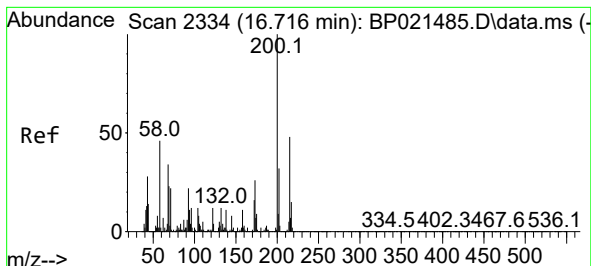
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.2  | 78.6  | 117.8 |
| 141     | 69.9  | 53.9  | 80.9  |



#68  
Hexachlorobenzene  
Concen: 5.136 ng  
RT: 16.539 min Scan# 2304  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.8  | 23.4  | 35.2  |
| 249     | 31.0  | 24.1  | 36.1  |





#69

Atrazine

Concen: 5.364 ng

RT: 16.698 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

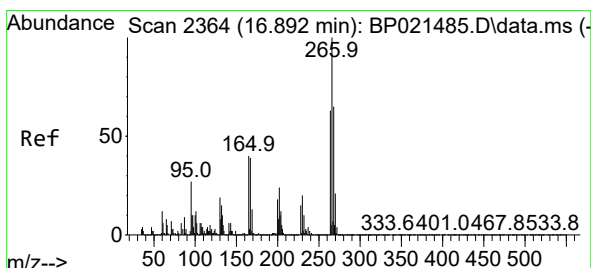
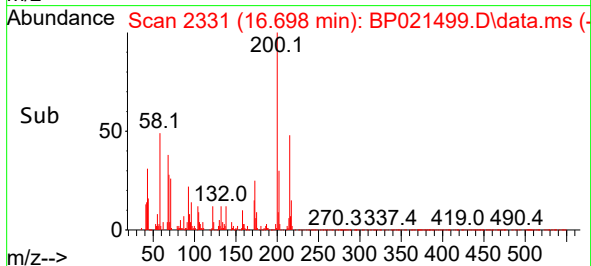
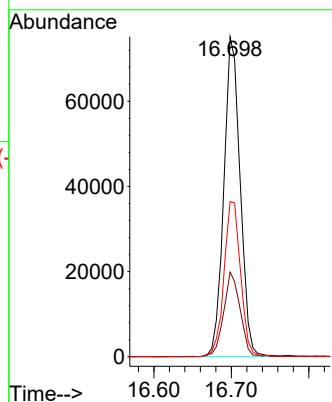
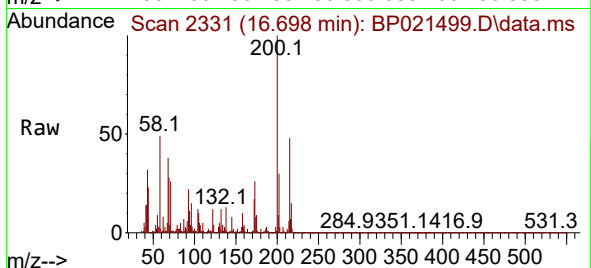
Tgt Ion:200 Resp: 110483

Ion Ratio Lower Upper

200 100

173 26.5 6.2 46.2

215 48.5 28.4 68.4



#70

Pentachlorophenol

Concen: 3.761 ng

RT: 16.892 min Scan# 2364

Delta R.T. 0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

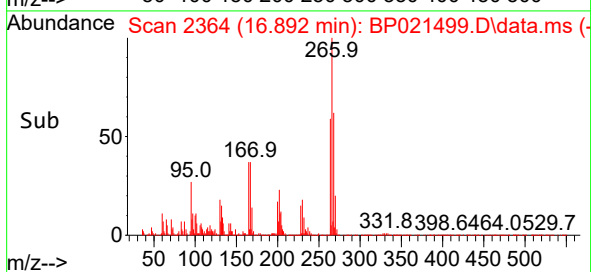
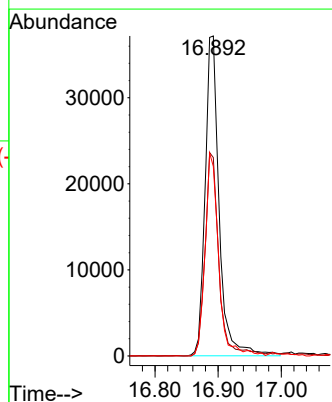
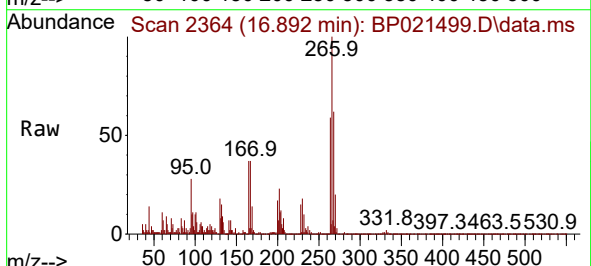
Tgt Ion:266 Resp: 57483

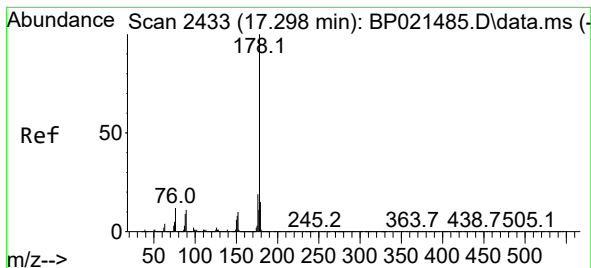
Ion Ratio Lower Upper

266 100

268 62.0 51.8 77.6

264 59.3 50.5 75.7





#71

Phenanthrene

Concen: 5.486 ng

RT: 17.292 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

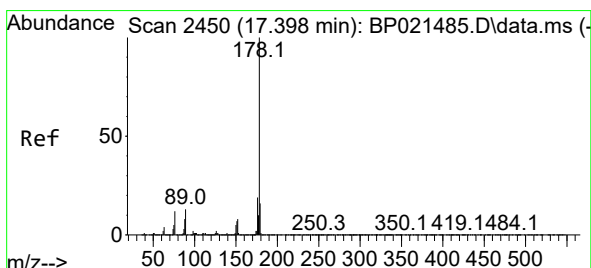
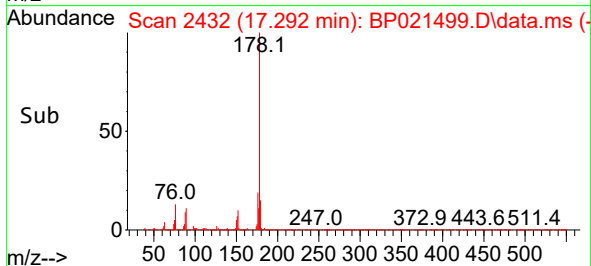
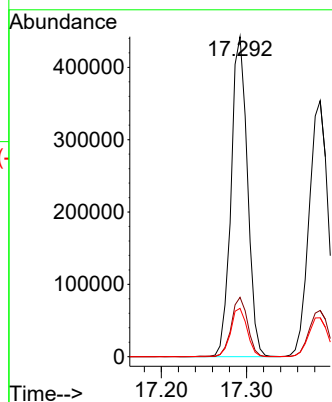
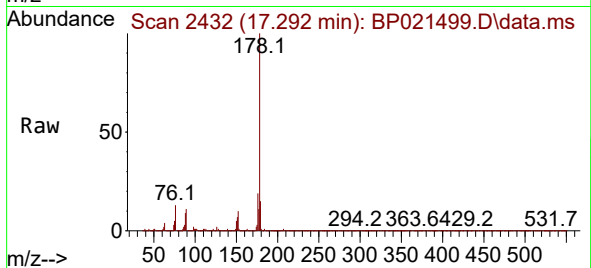
Tgt Ion:178 Resp: 590686

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 15.1 12.4 18.6



#72

Anthracene

Concen: 5.214 ng

RT: 17.386 min Scan# 2448

Delta R.T. -0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

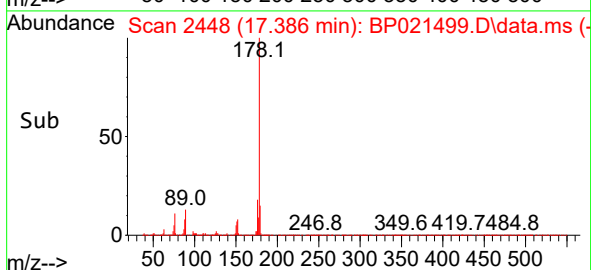
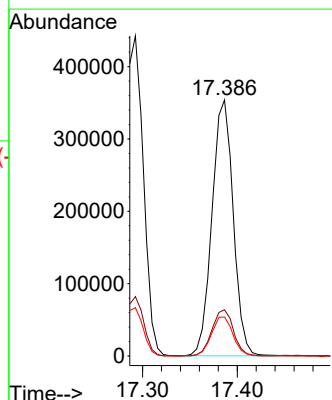
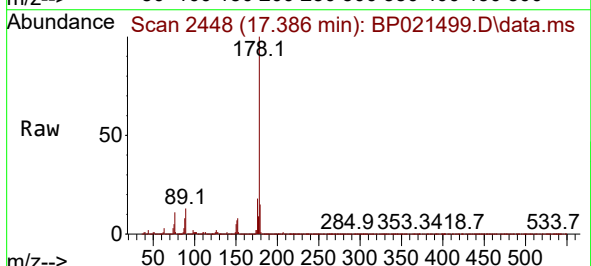
Tgt Ion:178 Resp: 550547

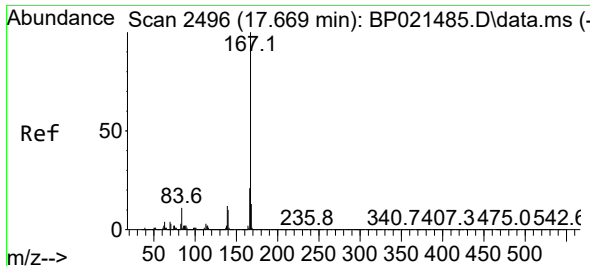
Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

179 15.2 12.5 18.7

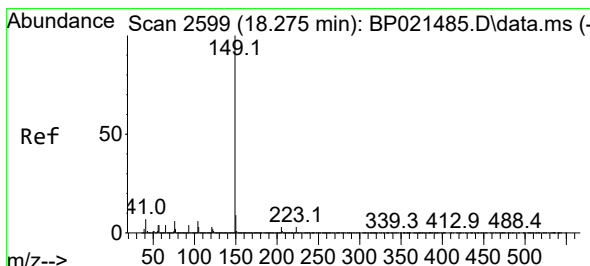
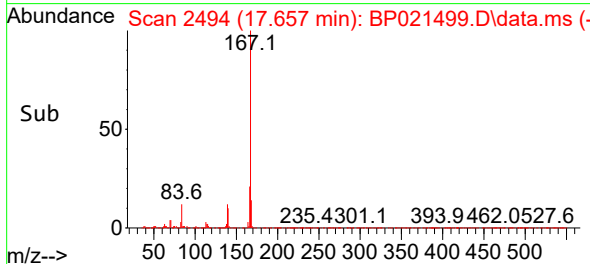
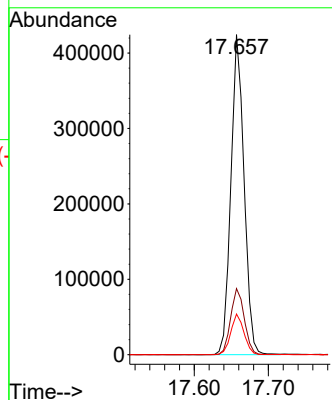
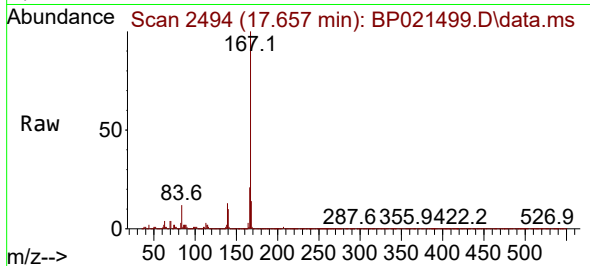




#73  
Carbazole  
Concen: 5.134 ng  
RT: 17.657 min Scan# 2496  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

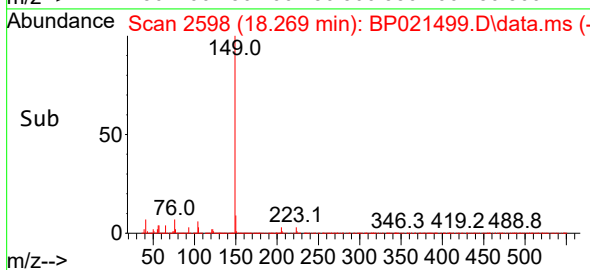
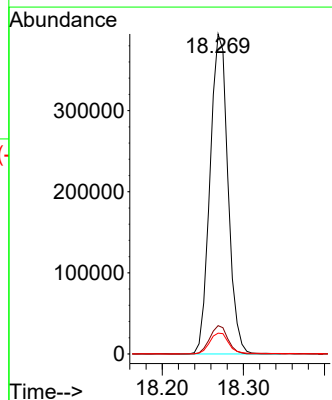
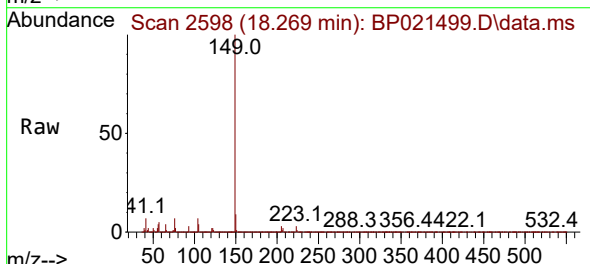
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

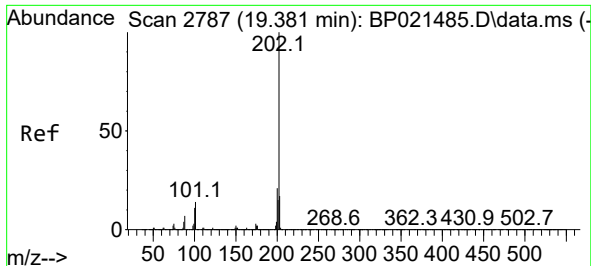
Tgt Ion:167 Resp: 522472  
Ion Ratio Lower Upper  
167 100  
166 20.7 17.0 25.4  
139 12.7 9.9 14.9



#74  
Di-n-butylphthalate  
Concen: 4.834 ng  
RT: 18.269 min Scan# 2598  
Delta R.T. -0.006 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:149 Resp: 604200  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.5 11.3  
104 6.5 4.9 7.3

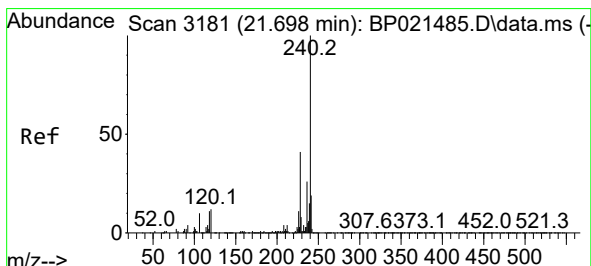
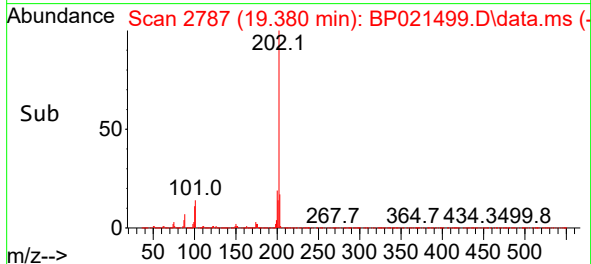
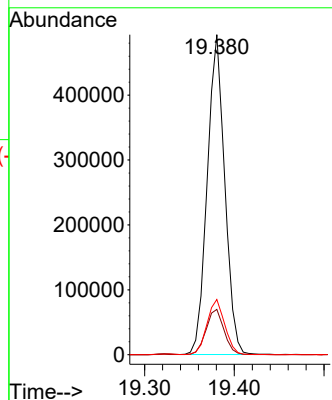
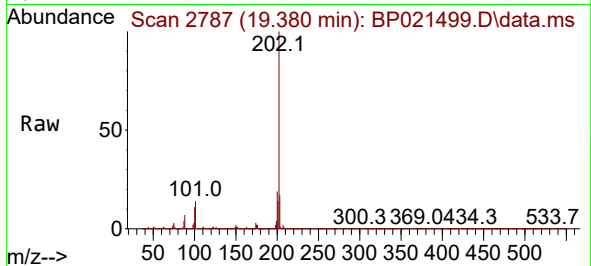




#75  
Fluoranthene  
Concen: 5.048 ng  
RT: 19.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

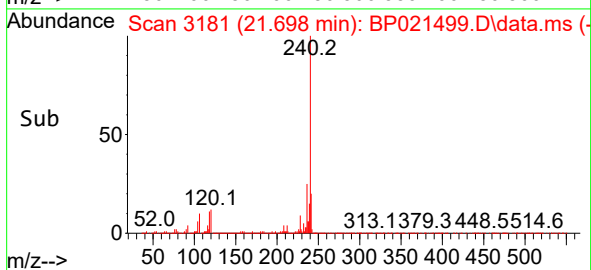
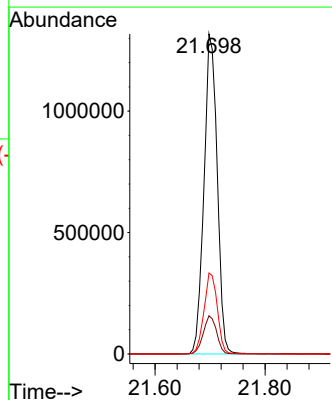
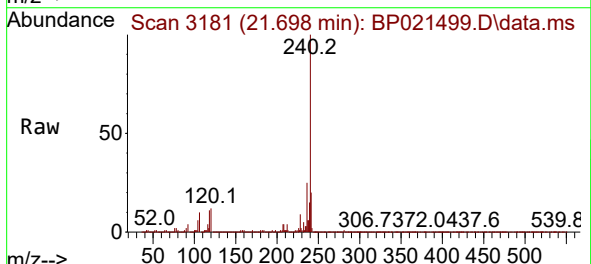
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

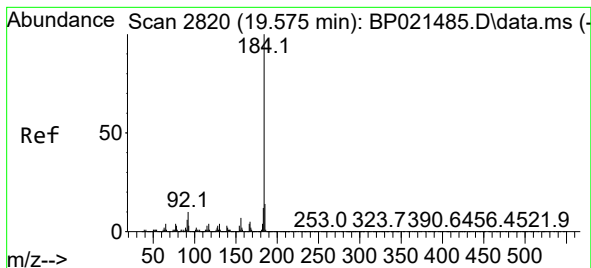
Tgt Ion:202 Resp: 666911  
Ion Ratio Lower Upper  
202 100  
101 14.1 0.0 34.0  
203 17.3 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.698 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:240 Resp: 2198600  
Ion Ratio Lower Upper  
240 100  
120 11.9 9.9 14.9  
236 25.3 20.6 30.8





#77

Benzidine

Concen: 8.229 ng

RT: 19.569 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

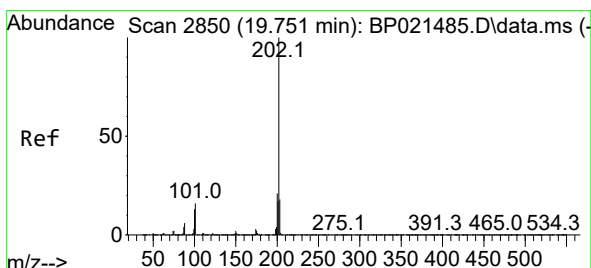
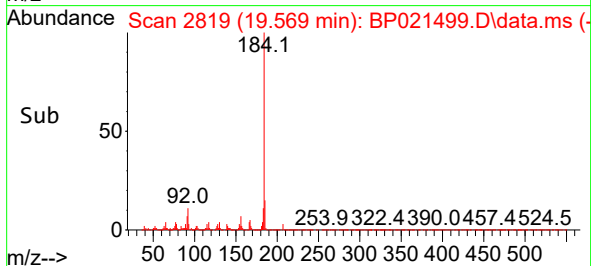
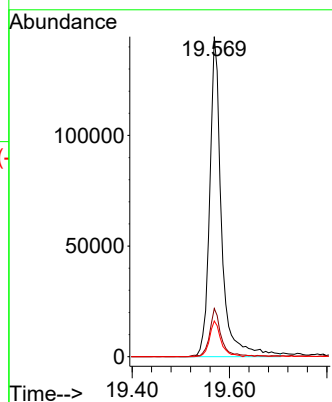
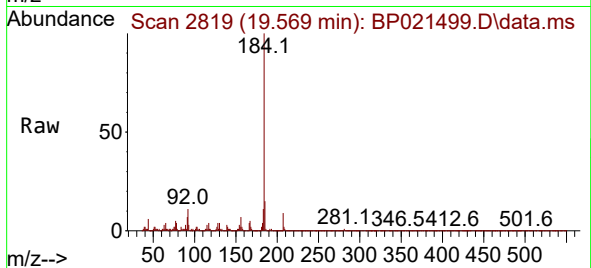
Tgt Ion:184 Resp: 242890

Ion Ratio Lower Upper

184 100

185 15.1 11.4 17.0

183 11.2 9.3 13.9



#78

Pyrene

Concen: 4.883 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

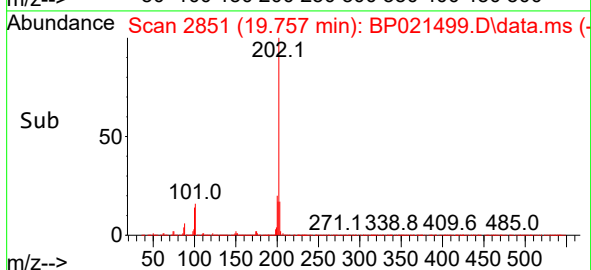
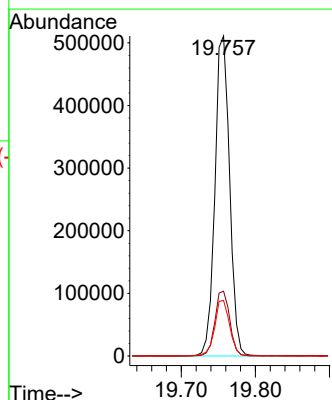
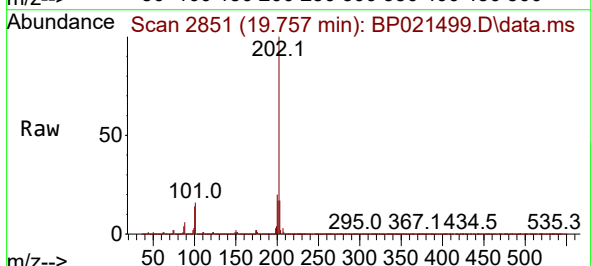
Tgt Ion:202 Resp: 701681

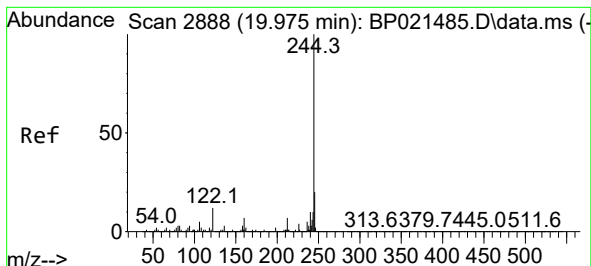
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 86.529 ng

RT: 19.980 min Scan# 2888

Delta R.T. 0.005 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

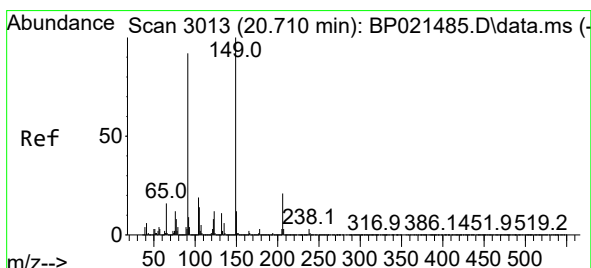
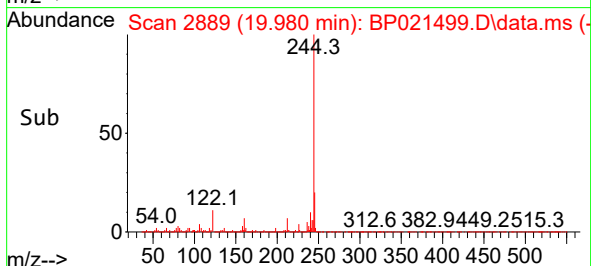
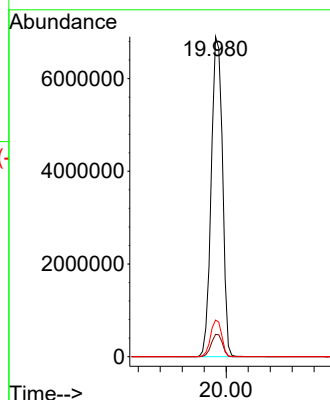
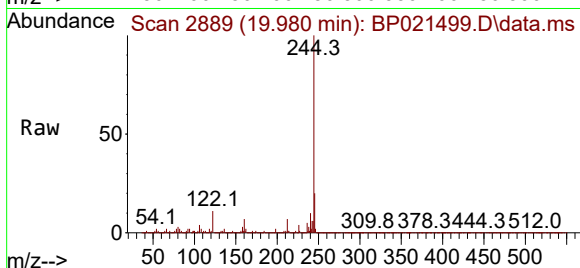
Tgt Ion:244 Resp: 9792562

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.4 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.933 ng

RT: 20.716 min Scan# 3014

Delta R.T. 0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

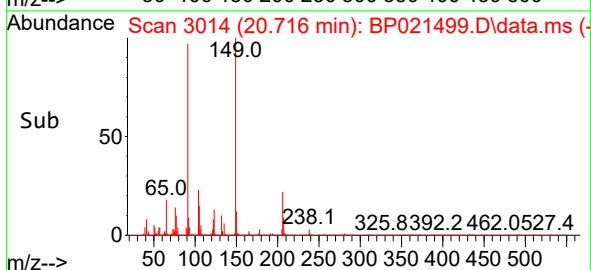
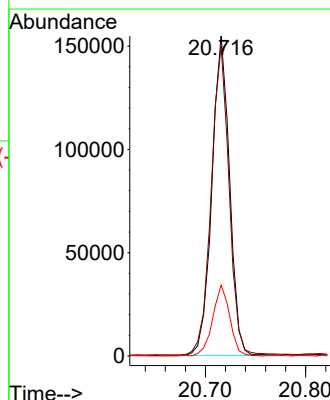
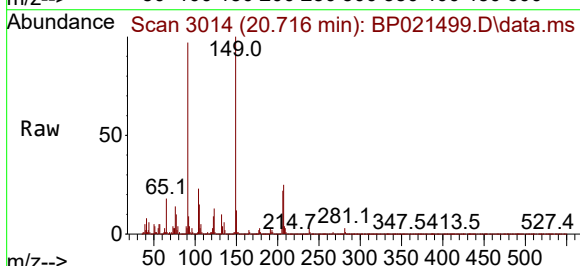
Tgt Ion:149 Resp: 189057

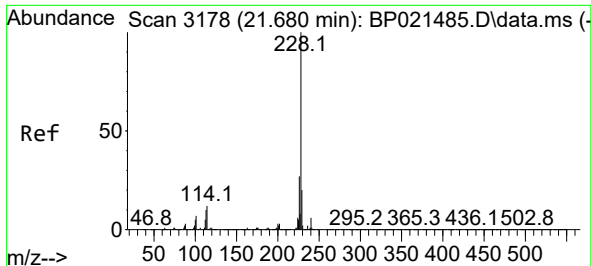
Ion Ratio Lower Upper

149 100

91 96.9 73.3 109.9

206 22.1 17.1 25.7

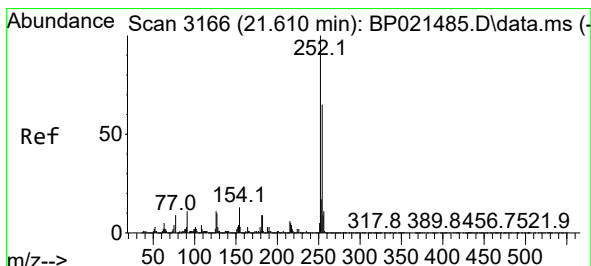
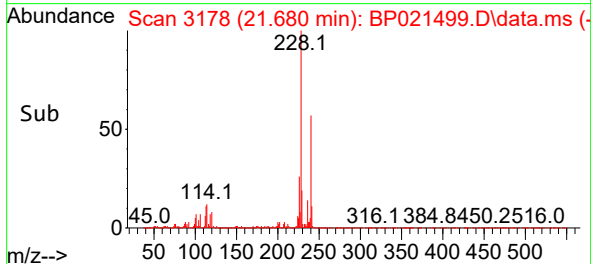
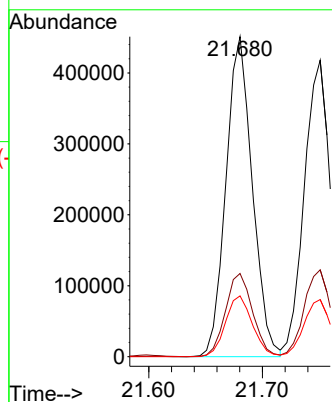
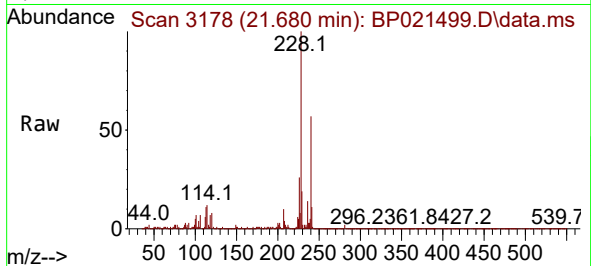




#81  
Benzo(a)anthracene  
Concen: 5.268 ng  
RT: 21.680 min Scan# 3178  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

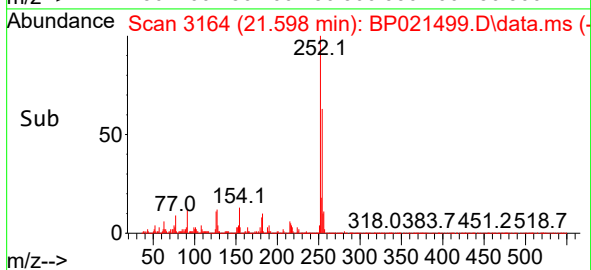
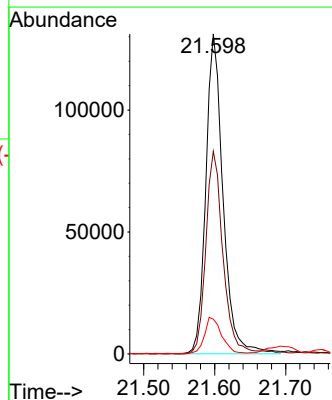
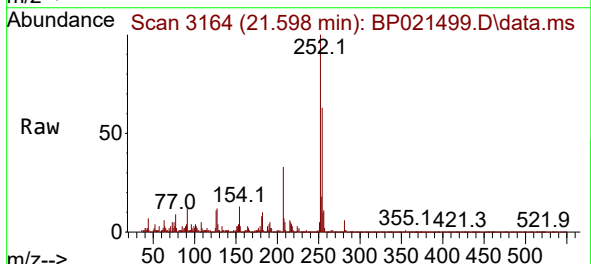
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

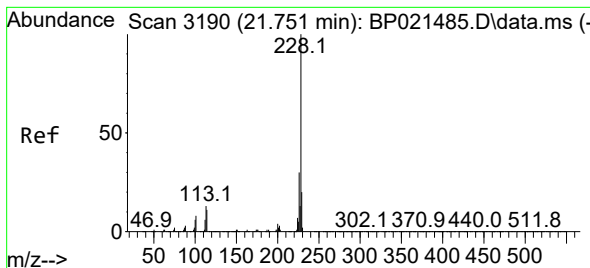
Tgt Ion:228 Resp: 727044  
Ion Ratio Lower Upper  
228 100  
226 26.0 21.4 32.2  
229 19.0 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 5.000 ng  
RT: 21.598 min Scan# 3164  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:252 Resp: 221281  
Ion Ratio Lower Upper  
252 100  
254 63.4 51.7 77.5  
126 10.9 8.7 13.1





#83

Chrysene

Concen: 5.209 ng

RT: 21.751 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

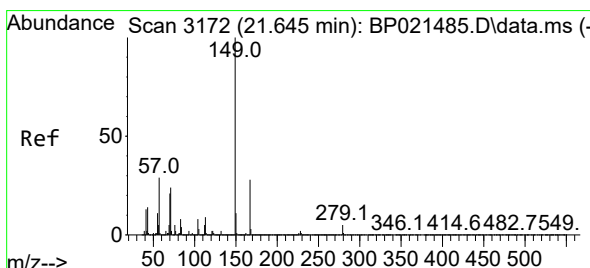
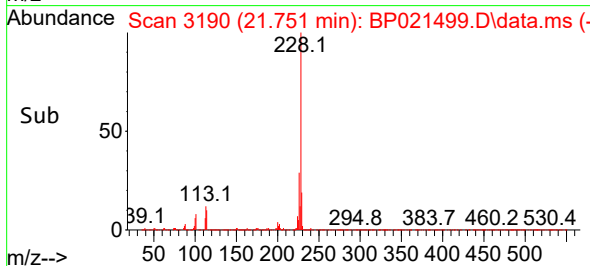
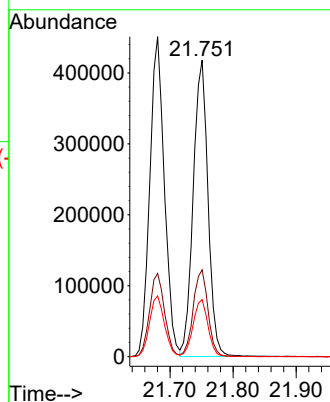
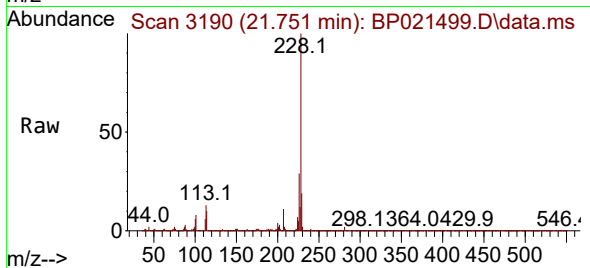
Tgt Ion:228 Resp: 678779

Ion Ratio Lower Upper

228 100

226 29.3 23.9 35.9

229 19.3 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.603 ng

RT: 21.651 min Scan# 3173

Delta R.T. 0.006 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

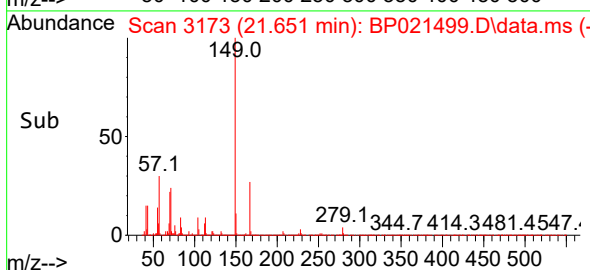
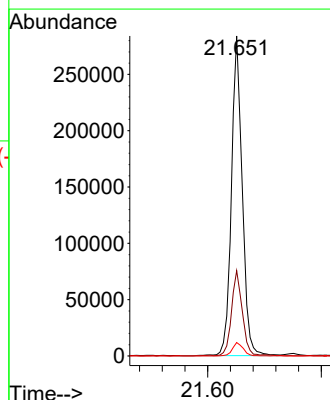
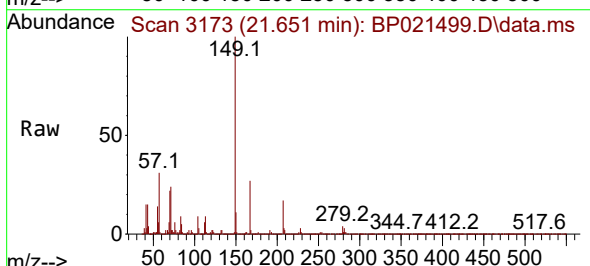
Tgt Ion:149 Resp: 375490

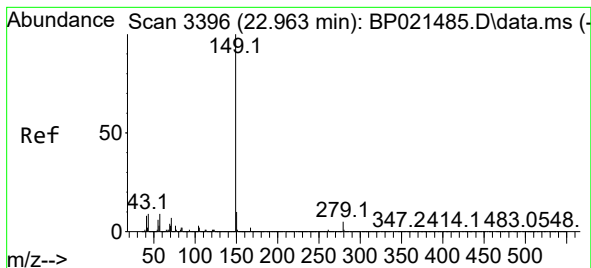
Ion Ratio Lower Upper

149 100

167 26.6 22.3 33.5

279 4.2 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 7.738 ng

RT: 22.963 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

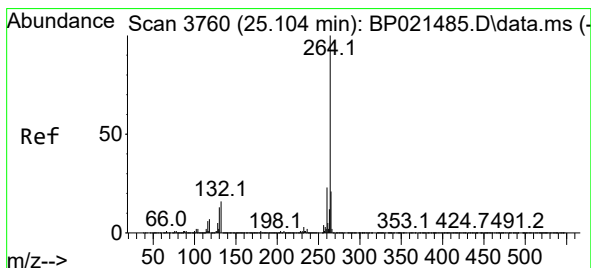
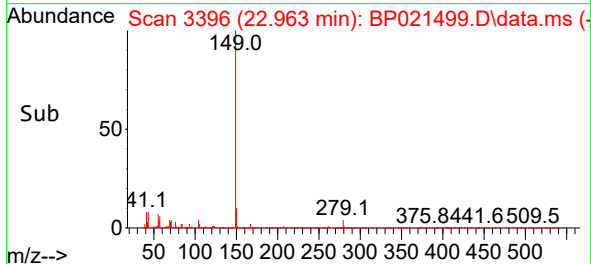
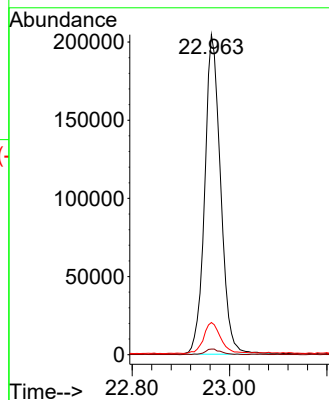
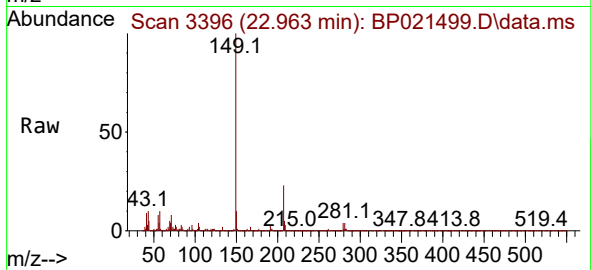
Tgt Ion:149 Resp: 462473

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 10.4 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.115 min Scan# 3762

Delta R.T. 0.012 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

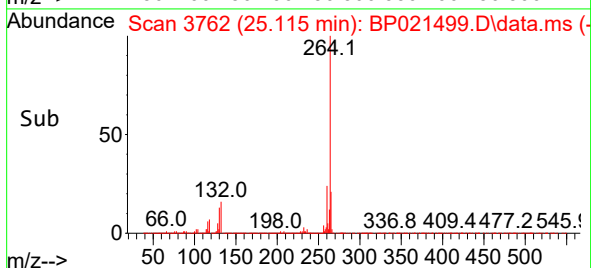
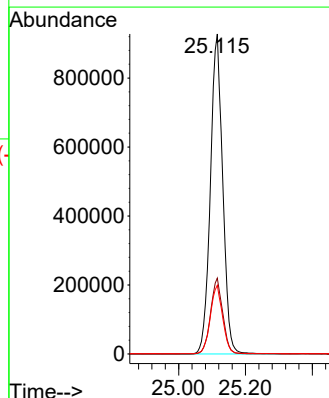
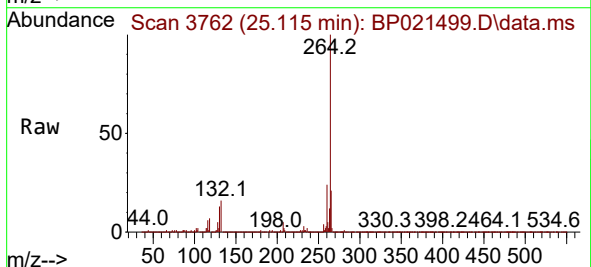
Tgt Ion:264 Resp: 2373794

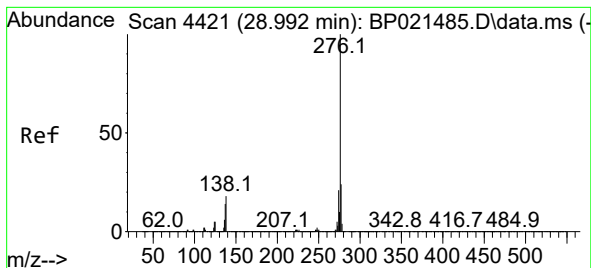
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.930 ng

RT: 28.962 min Scan# 4421

Delta R.T. -0.029 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

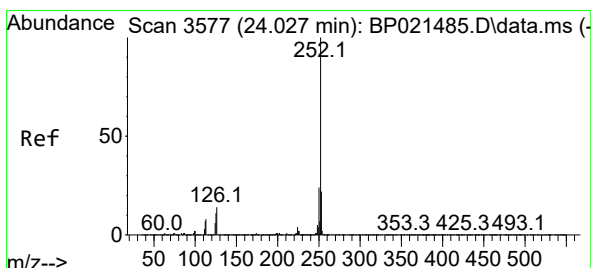
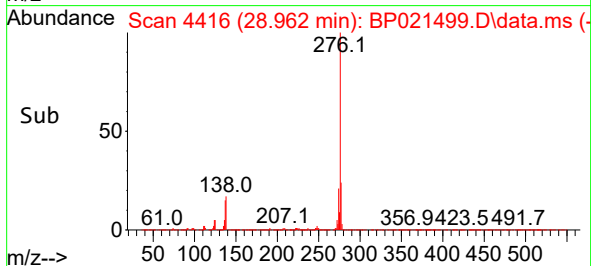
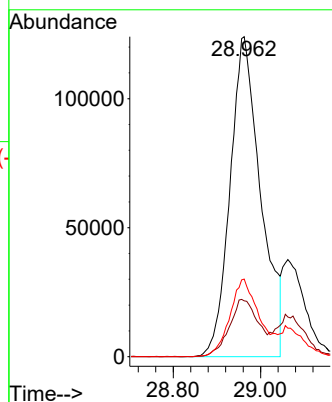
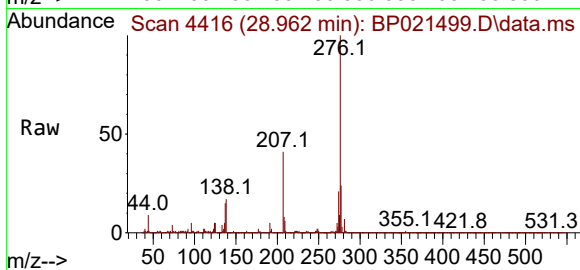
Tgt Ion:276 Resp: 604795

Ion Ratio Lower Upper

276 100

138 16.8 12.8 19.2

277 22.6 16.5 24.7



#88

Benzo(b)fluoranthene

Concen: 4.803 ng

RT: 24.027 min Scan# 3577

Delta R.T. -0.000 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

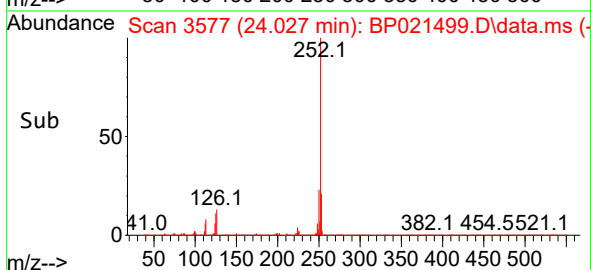
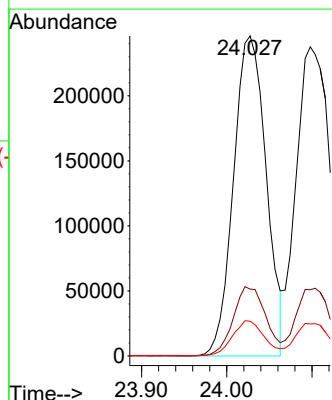
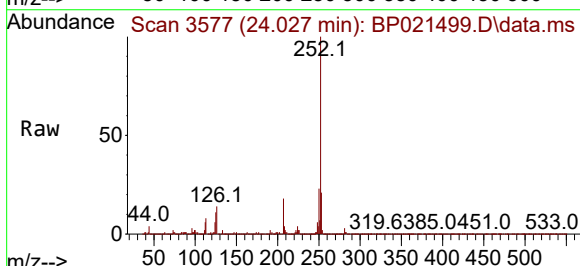
Tgt Ion:252 Resp: 654850

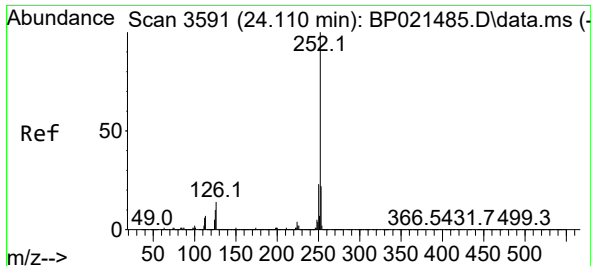
Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 10.9 8.6 13.0

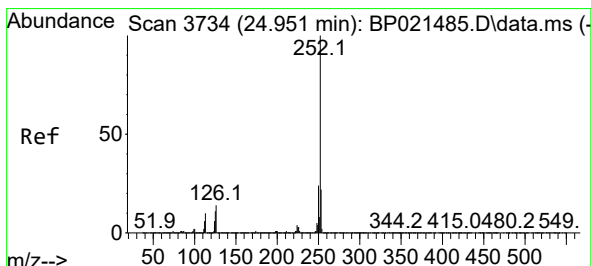
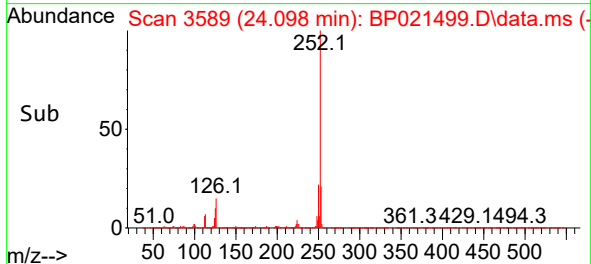
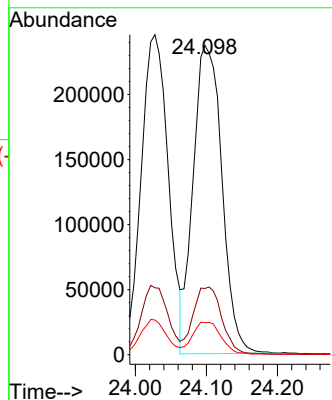
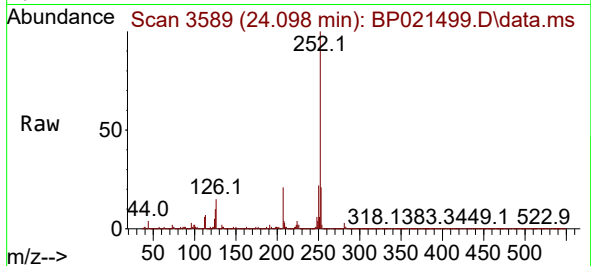




#89  
Benzo(k)fluoranthene  
Concen: 5.023 ng  
RT: 24.098 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

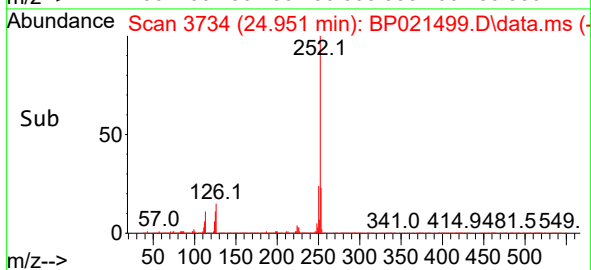
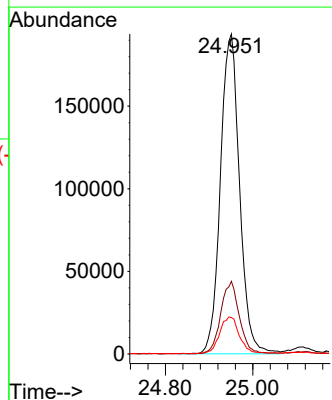
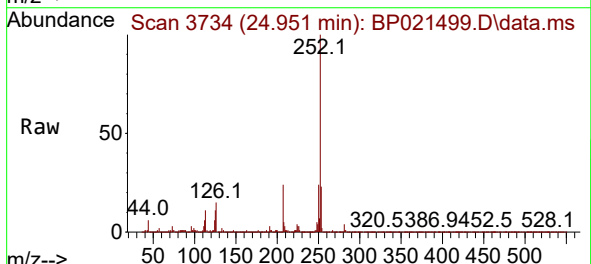
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT3-2024

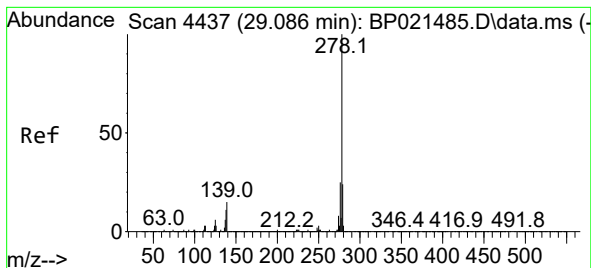
Tgt Ion:252 Resp: 668016  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.5 26.3  
125 10.3 7.8 11.8



#90  
Benzo(a)pyrene  
Concen: 4.959 ng  
RT: 24.951 min Scan# 3734  
Delta R.T. -0.000 min  
Lab File: BP021499.D  
Acq: 14 Aug 2024 14:13

Tgt Ion:252 Resp: 586732  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.7 26.5  
125 11.4 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.743 ng

RT: 29.068 min Scan# 4437

Delta R.T. -0.018 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT3-2024

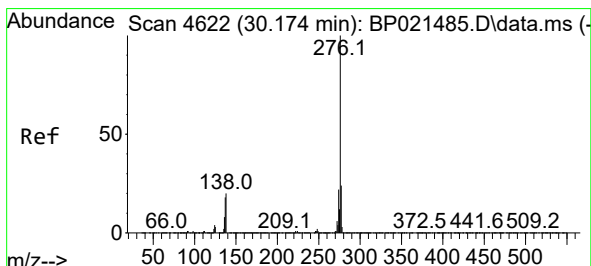
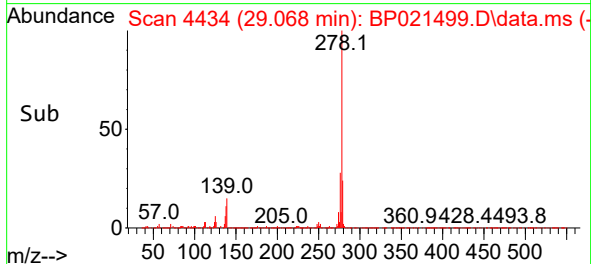
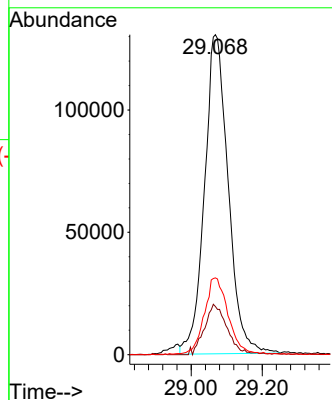
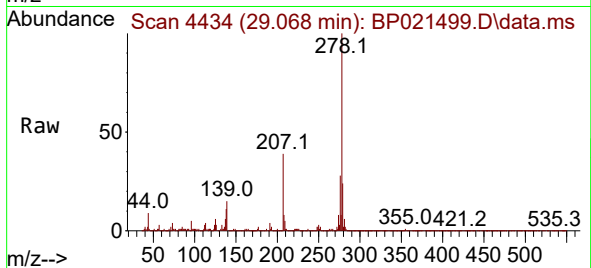
Tgt Ion:278 Resp: 606424

Ion Ratio Lower Upper

278 100

139 15.0 12.2 18.4

279 24.0 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 4.702 ng

RT: 30.151 min Scan# 4618

Delta R.T. -0.024 min

Lab File: BP021499.D

Acq: 14 Aug 2024 14:13

Tgt Ion:276 Resp: 602527

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 22.1 16.0 24.0

