

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021825\  
 Data File : BP024084.D  
 Acq On : 18 Feb 2025 14:34  
 Operator : RC/JU  
 Sample : Q1168-02  
 Misc : LOQ-SOIL 5PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 18 15:07:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP021725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 18 02:25:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.763  | 152  | 357861   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.534 | 136  | 1531711  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.387 | 164  | 952631   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1749717  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.645 | 240  | 1475565  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.039 | 264  | 1355182  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 3034258  | 132.301 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.946  | 99   | 4126248  | 139.982 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.905  | 82   | 2094712  | 76.295  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.904 | 330  | 1625451  | 139.300 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 5019879  | 73.667  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.922 | 244  | 6170236  | 82.743  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 47705    | 5.302   | ng    | 98       |
| 3) Pyridine                   | 3.717  | 79   | 105337   | 4.503   | ng    | 96       |
| 6) Aniline                    | 7.099  | 93   | 164435   | 6.091   | ng    | 98       |
| 8) 2-Chlorophenol             | 7.334  | 128  | 125706   | 5.178   | ng    | 97       |
| 10) Phenol                    | 6.969  | 94   | 157067   | 5.299   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.193  | 93   | 123894   | 5.307   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.652  | 146  | 138871   | 5.207   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.793  | 146  | 140942   | 5.226   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.110  | 146  | 135337   | 5.229   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.275  | 45   | 134465   | 5.933   | ng    | 98       |
| 17) 2-Methylphenol            | 8.205  | 107  | 87647    | 4.852   | ng    | 98       |
| 18) Hexachloroethane          | 8.834  | 117  | 51582    | 5.311   | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.557  | 70   | 88590    | 5.590   | ng    | 96       |
| 22) Acetophenone              | 8.575  | 105  | 202044   | 5.133   | ng    | # 98     |
| 24) Nitrobenzene              | 8.946  | 77   | 152405   | 5.640   | ng    | 96       |
| 25) Isophorone                | 9.469  | 82   | 238720   | 5.317   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.657  | 139  | 48890    | 3.927   | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 9.716  | 122  | 81306    | 4.976   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.952  | 93   | 163499   | 5.027   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.193 | 162  | 90383    | 4.053   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.399 | 180  | 121636   | 4.761   | ng    | 100      |
| 31) Naphthalene               | 10.587 | 128  | 410914   | 4.989   | ng    | 99       |
| 33) 4-Chloroaniline           | 10.699 | 127  | 147118   | 5.071   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.875 | 225  | 72350    | 4.889   | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.828 | 107  | 96112    | 4.192   | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.198 | 142  | 272373   | 4.976   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.416 | 142  | 257632   | 4.838   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.569 | 216  | 139927   | 4.781   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.810 | 196  | 68064    | 3.813   | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 12.887 | 196  | 76763    | 3.932   | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.216 | 154  | 377416   | 5.098   | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.251 | 162  | 272535   | 4.870   | ng    | 98       |
| 48) 2-Nitroaniline            | 13.457 | 65   | 54646    | 4.134   | ng    | 94       |
| 49) Acenaphthylene            | 14.104 | 152  | 400154   | 4.853   | ng    | 100      |
| 50) Dimethylphthalate         | 13.845 | 163  | 323338   | 4.812   | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.957 | 165  | 59275    | 4.330   | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021825\  
 Data File : BP024084.D  
 Acq On : 18 Feb 2025 14:34  
 Operator : RC/JU  
 Sample : Q1168-02  
 Misc : LOQ-SOIL 5PPM  
 ALS Vial : 6 Sample Multiplier: 1

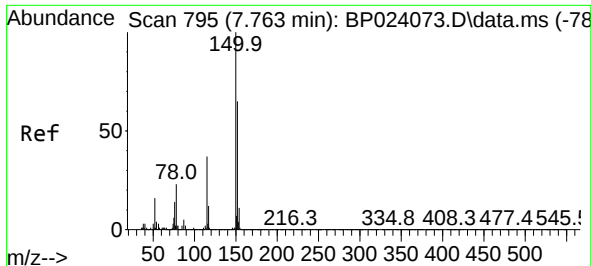
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

Quant Time: Feb 18 15:07:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP021725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 18 02:25:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 52) Acenaphthene              | 14.451 | 154  | 260263   | 4.902 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.287 | 138  | 58652    | 4.015 | ng    | # 87     |
| 55) Dibenzofuran              | 14.792 | 168  | 419479   | 4.864 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.751 | 165  | 69114    | 3.887 | ng    | 88       |
| 58) Fluorene                  | 15.451 | 166  | 317297   | 4.711 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.022 | 232  | 69849    | 4.124 | ng    | 98       |
| 60) Diethylphthalate          | 15.222 | 149  | 310431   | 4.654 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.451 | 204  | 157334   | 4.745 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.469 | 138  | 54710    | 6.235 | ng    | 92       |
| 63) Azobenzene                | 15.745 | 77   | 288371   | 4.613 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.663 | 169  | 257749   | 4.724 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.363 | 248  | 90387    | 4.600 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.481 | 284  | 112811   | 4.879 | ng    | 99       |
| 69) Atrazine                  | 16.639 | 200  | 73352    | 5.238 | ng    | 99       |
| 71) Phenanthrene              | 17.228 | 178  | 481660   | 4.883 | ng    | 99       |
| 72) Anthracene                | 17.328 | 178  | 438349   | 4.637 | ng    | 99       |
| 73) Carbazole                 | 17.610 | 167  | 390703   | 4.338 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.198 | 149  | 409372   | 3.895 | ng    | 99       |
| 75) Fluoranthene              | 19.322 | 202  | 471168   | 4.223 | ng    | 100      |
| 78) Pyrene                    | 19.698 | 202  | 498449   | 5.318 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.657 | 149  | 138322   | 3.851 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.627 | 228  | 447962   | 4.842 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.551 | 252  | 109986   | 3.804 | ng    | 99       |
| 83) Chrysene                  | 21.692 | 228  | 430082   | 4.820 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.569 | 149  | 188705   | 3.465 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.874 | 276  | 423634   | 4.394 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.951 | 252  | 377257   | 4.384 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.021 | 252  | 391597   | 4.675 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.880 | 252  | 330916   | 4.531 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.951 | 278  | 357185   | 4.406 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.056 | 276  | 375982   | 4.571 | ng    | 97       |

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

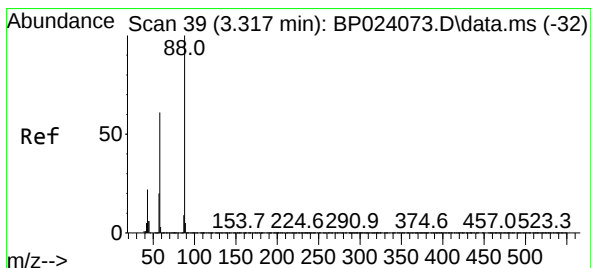
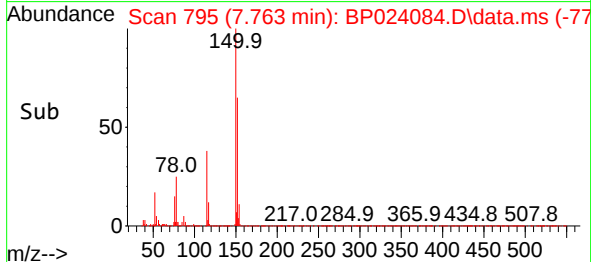
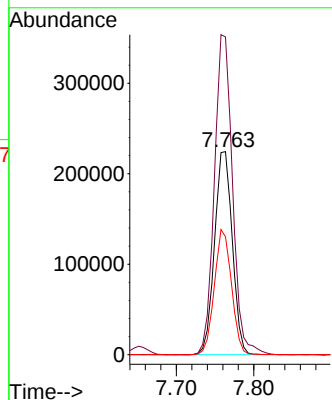
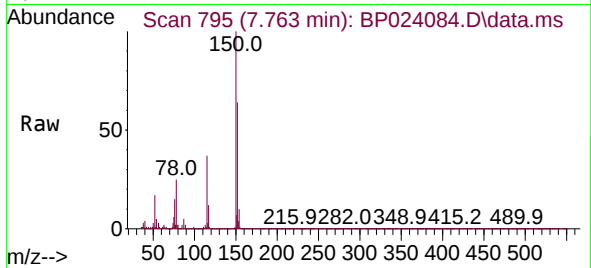




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.763 min Scan# 795  
 Delta R.T. 0.000 min  
 Lab File: BP024084.D  
 Acq: 18 Feb 2025 14:34

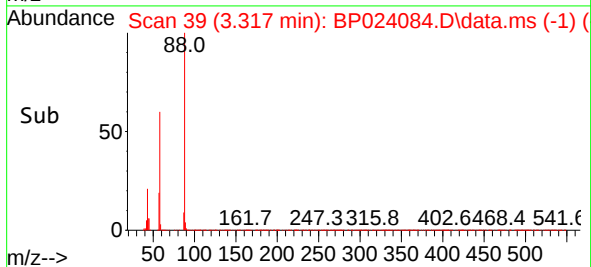
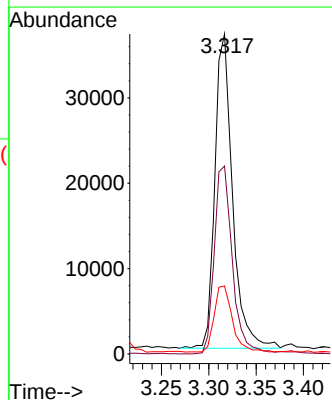
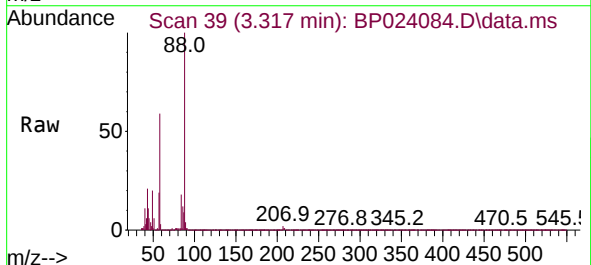
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

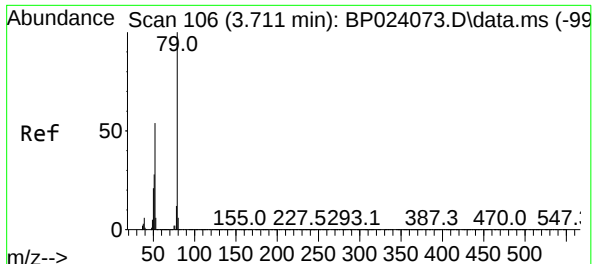
Tgt Ion:152 Resp: 357861  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 122.4 183.6  
 115 58.1 45.0 67.6



#2  
 1,4-Dioxane  
 Concen: 5.302 ng  
 RT: 3.317 min Scan# 39  
 Delta R.T. -0.000 min  
 Lab File: BP024084.D  
 Acq: 18 Feb 2025 14:34

Tgt Ion: 88 Resp: 47705  
 Ion Ratio Lower Upper  
 88 100  
 58 62.5 49.1 73.7  
 43 21.5 18.0 27.0

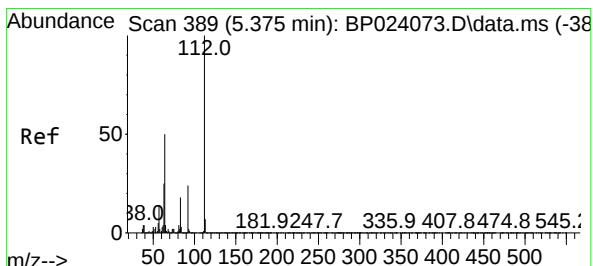
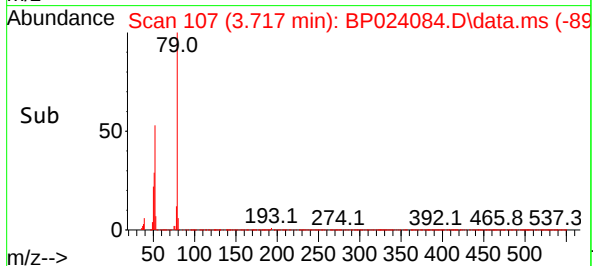
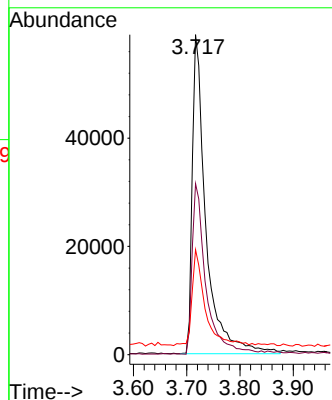
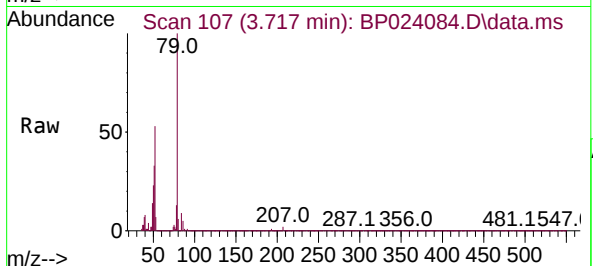




#3  
Pyridine  
Concen: 4.503 ng  
RT: 3.717 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

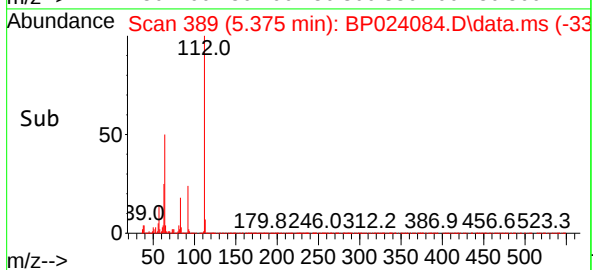
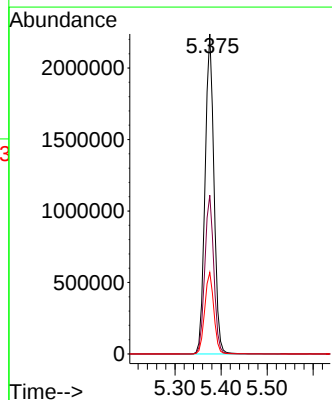
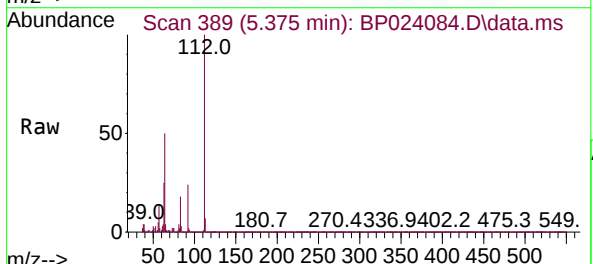
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

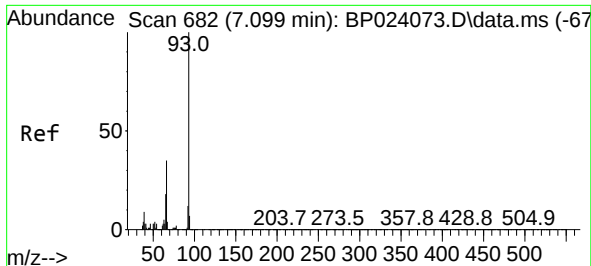
Tgt Ion: 79 Resp: 105337  
Ion Ratio Lower Upper  
79 100  
52 53.5 43.5 65.3  
51 32.8 22.2 33.4



#5  
2-Fluorophenol  
Concen: 132.301 ng  
RT: 5.375 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 112 Resp: 3034258  
Ion Ratio Lower Upper  
112 100  
64 49.6 39.6 59.4  
63 25.4 20.3 30.5



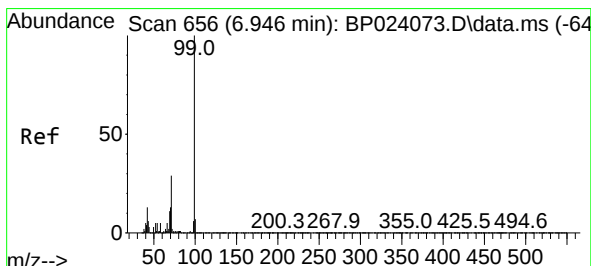
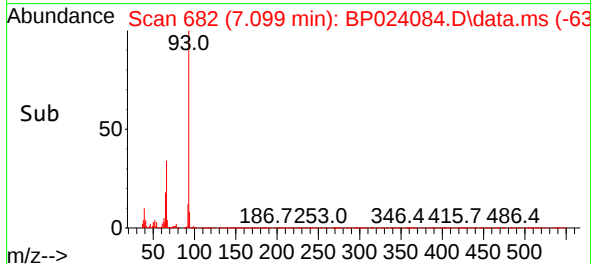
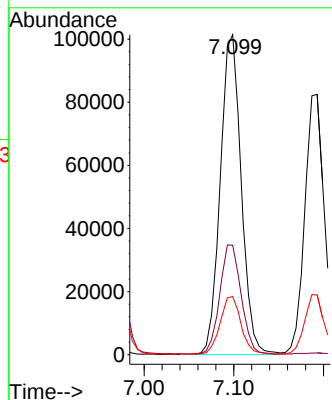
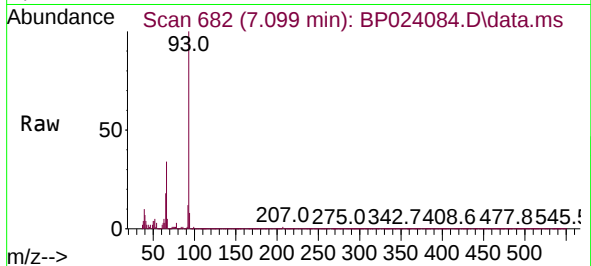


#6  
 Aniline  
 Concen: 6.091 ng  
 RT: 7.099 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BP024084.D  
 Acq: 18 Feb 2025 14:34

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2025

Tgt Ion: 93 Resp: 164435  

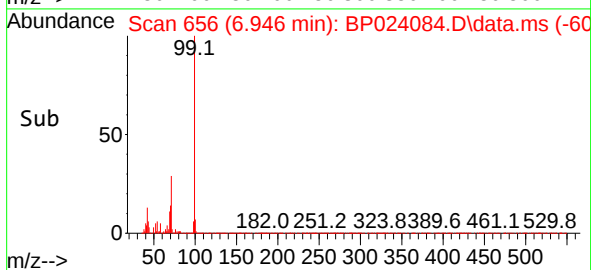
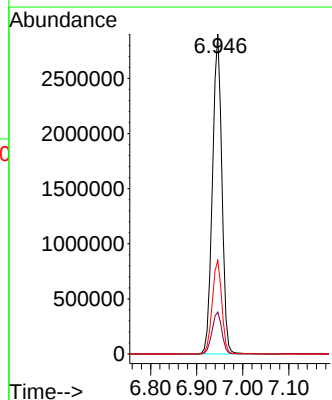
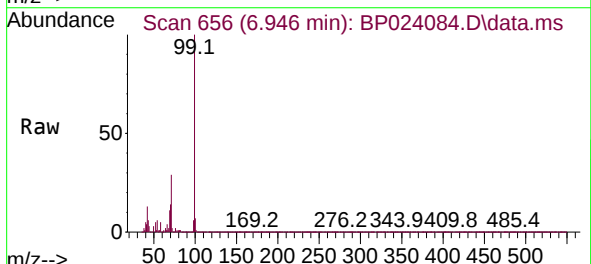
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 66  | 34.2  | 28.2  | 42.4  |
| 65  | 18.2  | 14.1  | 21.1  |

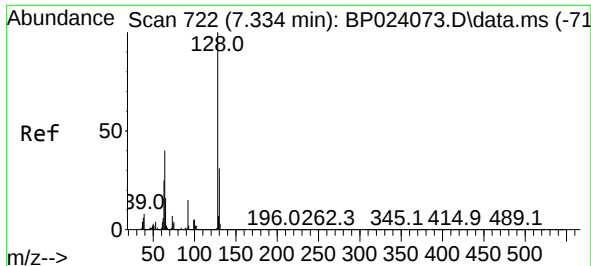


#7  
 Phenol-d6  
 Concen: 139.982 ng  
 RT: 6.946 min Scan# 656  
 Delta R.T. -0.000 min  
 Lab File: BP024084.D  
 Acq: 18 Feb 2025 14:34

Tgt Ion: 99 Resp: 4126248  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.1  | 10.3  | 15.5  |
| 71  | 29.2  | 22.9  | 34.3  |

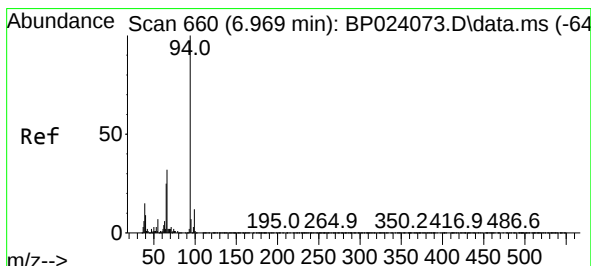
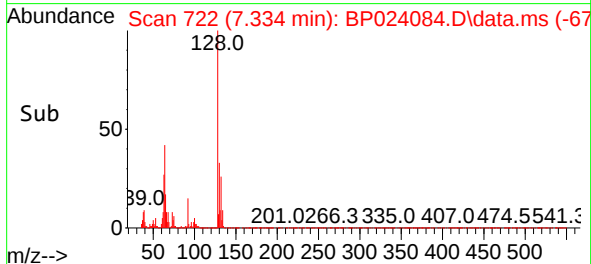
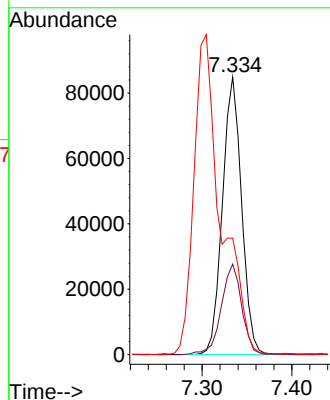
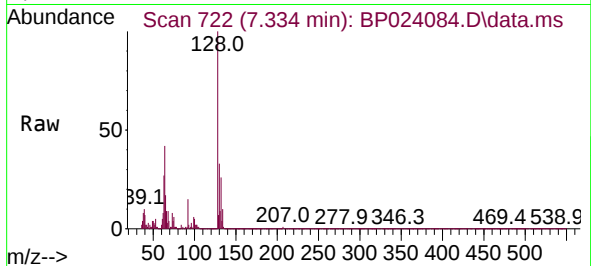




#8  
2-Chlorophenol  
Concen: 5.178 ng  
RT: 7.334 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

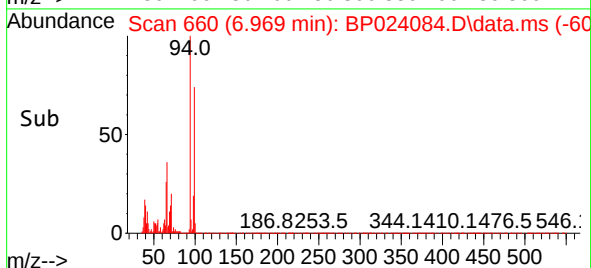
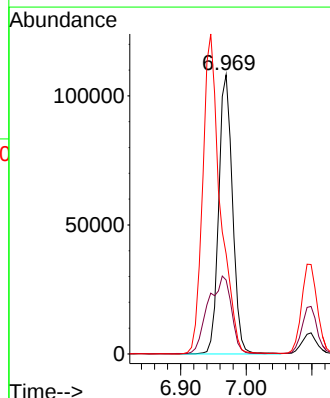
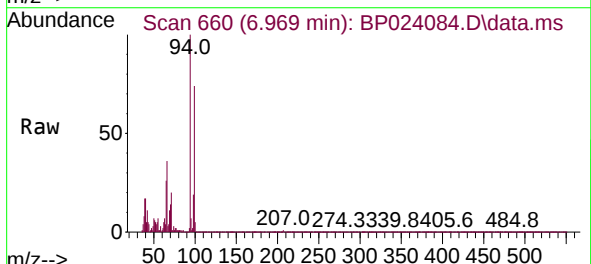
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

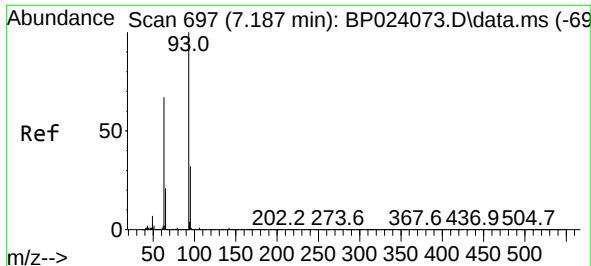
Tgt Ion:128 Resp: 125706  
Ion Ratio Lower Upper  
128 100  
130 32.6 11.5 51.5  
64 41.9 19.8 59.8



#10  
Phenol  
Concen: 5.299 ng  
RT: 6.969 min Scan# 660  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 94 Resp: 157067  
Ion Ratio Lower Upper  
94 100  
65 26.5 5.0 45.0  
66 35.9 11.6 51.6

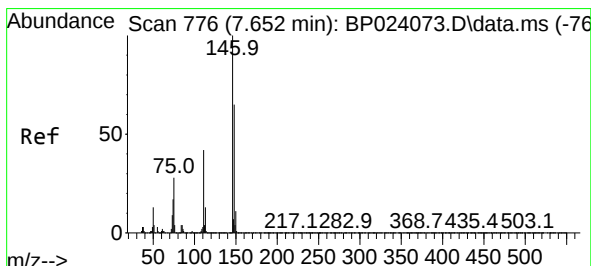
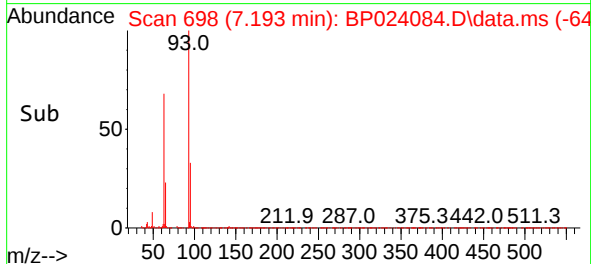
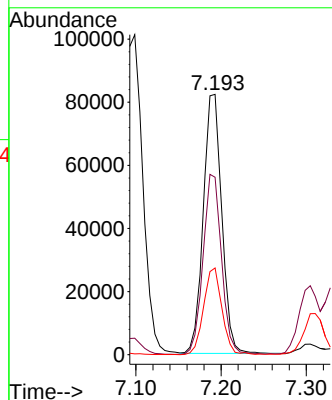
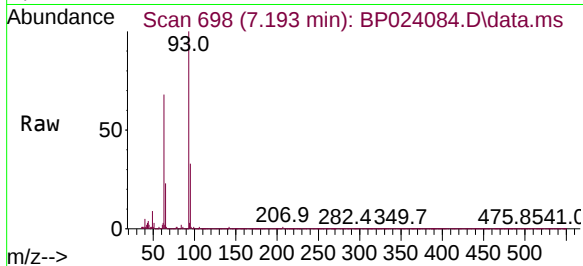




#11  
bis(2-Chloroethyl)ether  
Concen: 5.307 ng  
RT: 7.193 min Scan# 697  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

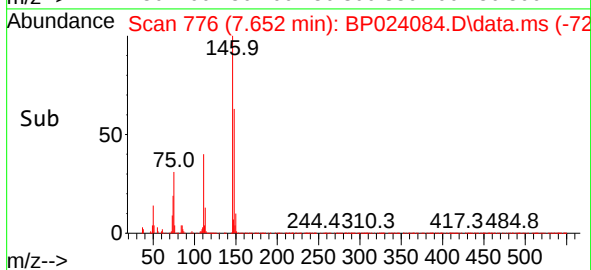
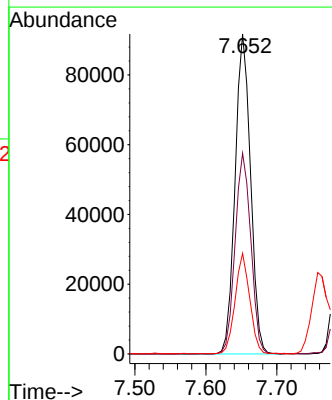
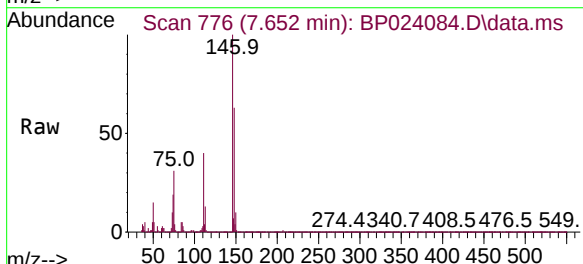
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

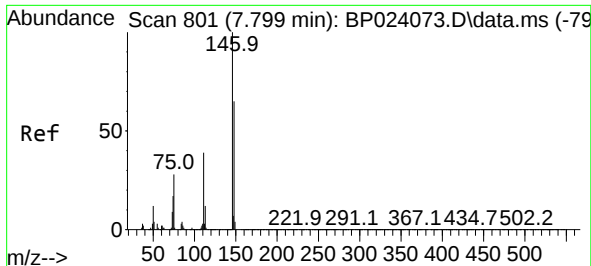
Tgt Ion: 93 Resp: 123894  
Ion Ratio Lower Upper  
93 100  
63 68.2 46.5 86.5  
95 33.3 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 5.207 ng  
RT: 7.652 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 146 Resp: 138871  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.8 77.8  
75 31.5 22.6 33.8

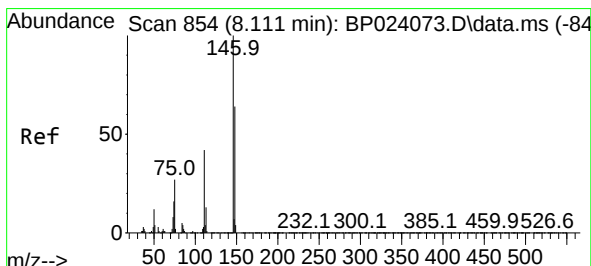
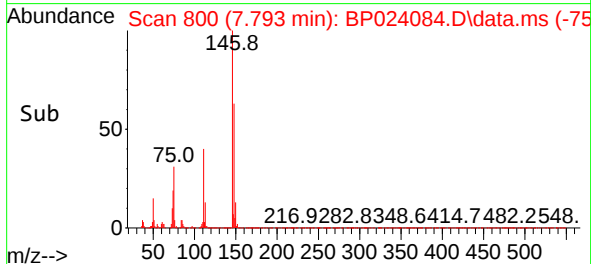
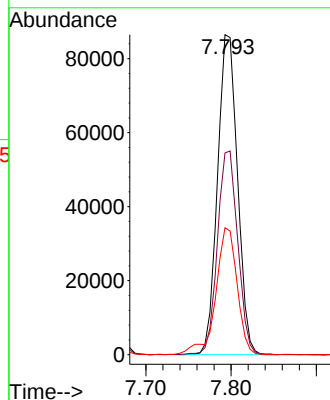
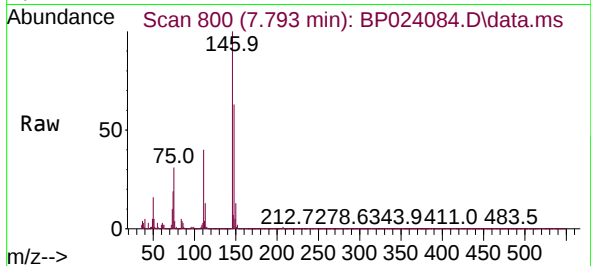




#13  
1,4-Dichlorobenzene  
Concen: 5.226 ng  
RT: 7.793 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

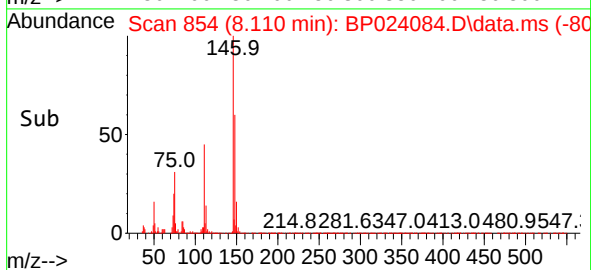
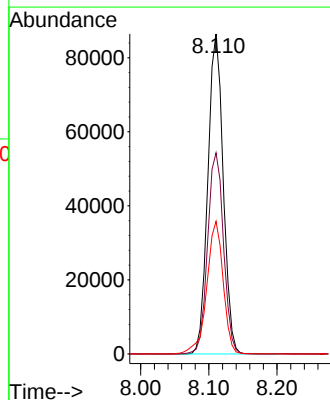
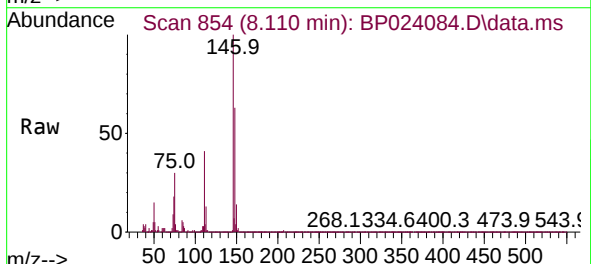
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

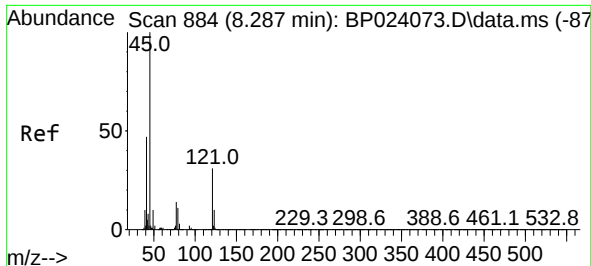
Tgt Ion:146 Resp: 140942  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.6 77.4  
111 39.7 31.2 46.8



#14  
1,2-Dichlorobenzene  
Concen: 5.229 ng  
RT: 8.110 min Scan# 854  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:146 Resp: 135337  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.2 76.8  
111 41.4 33.4 50.0

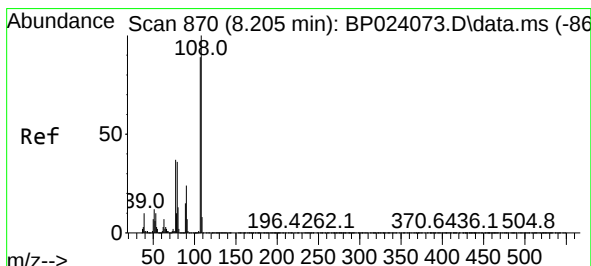
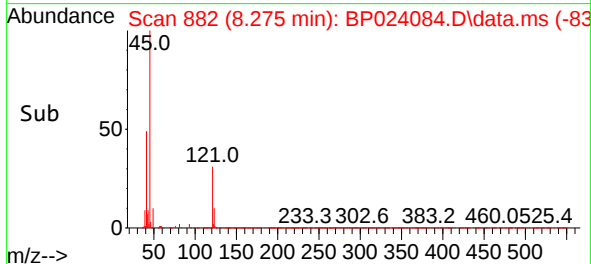
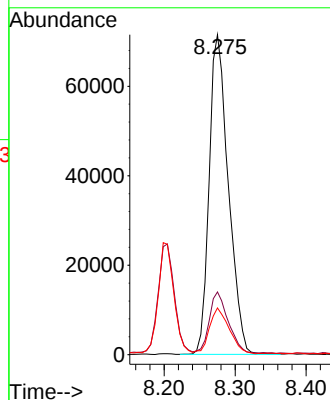
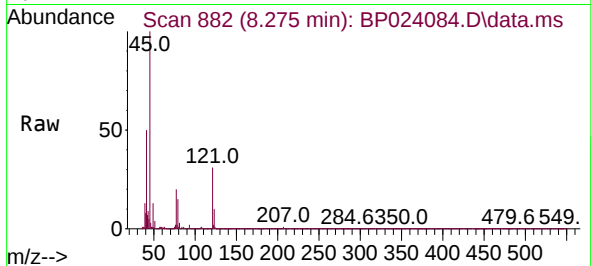




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.933 ng  
RT: 8.275 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

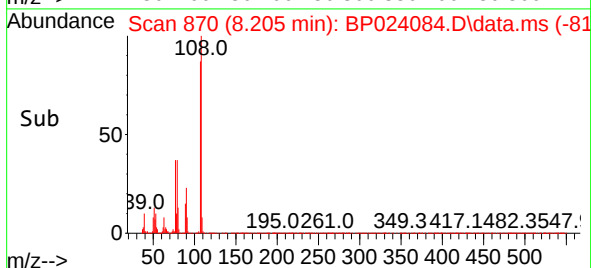
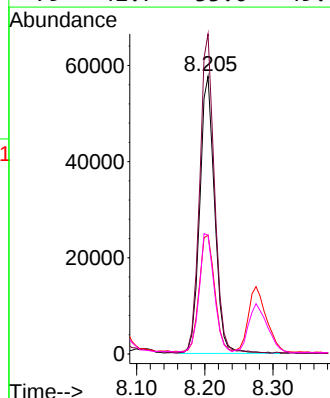
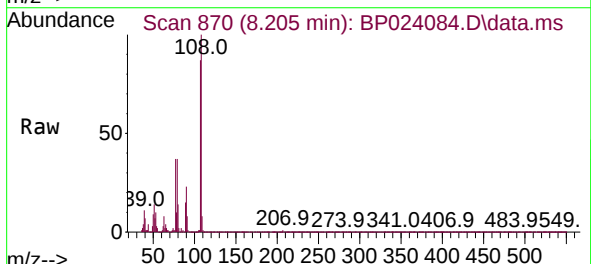
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

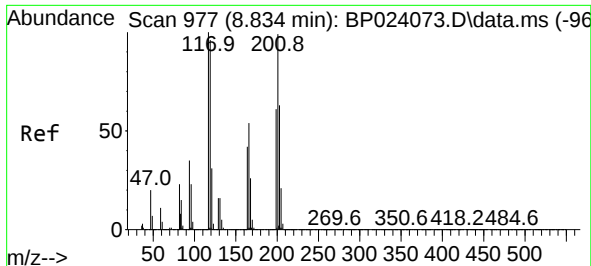
Tgt Ion: 45 Resp: 134465  
Ion Ratio Lower Upper  
45 100  
77 19.6 0.0 38.8  
79 14.6 0.0 35.4



#17  
2-Methylphenol  
Concen: 4.852 ng  
RT: 8.205 min Scan# 870  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 107 Resp: 87647  
Ion Ratio Lower Upper  
107 100  
108 115.3 90.0 135.0  
77 42.9 33.8 50.6  
79 42.7 33.0 49.4

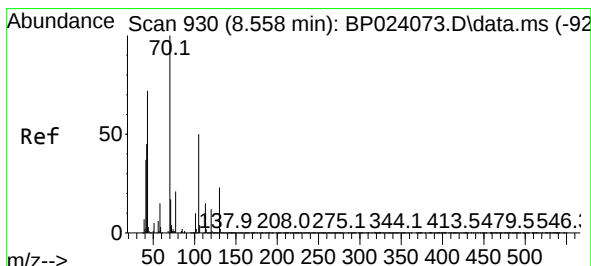
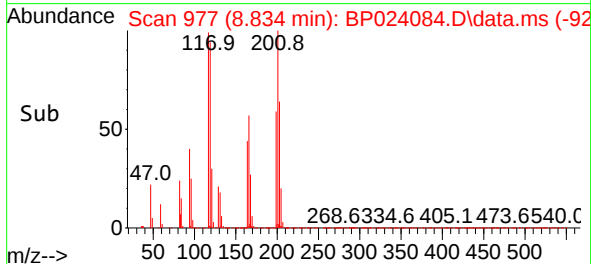
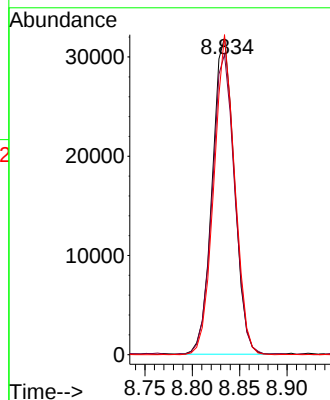
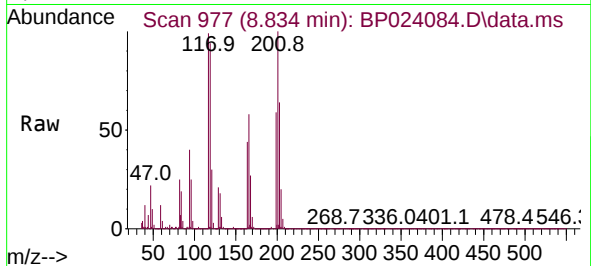




#18  
Hexachloroethane  
Concen: 5.311 ng  
RT: 8.834 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

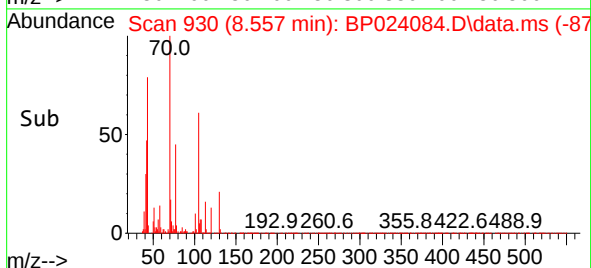
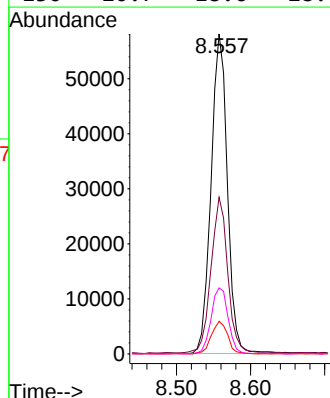
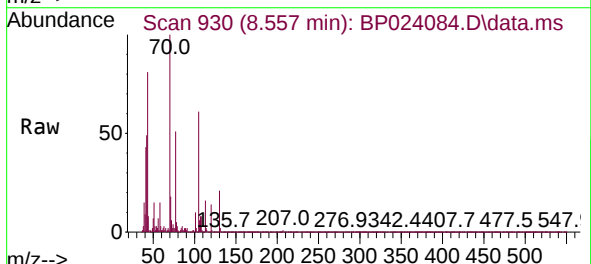
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

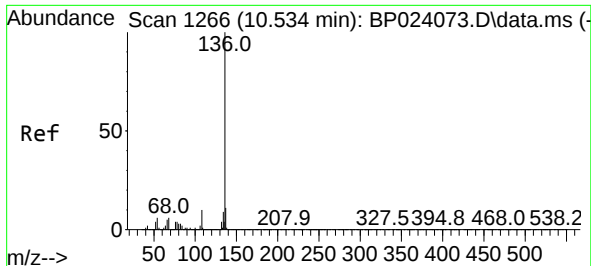
Tgt Ion:117 Resp: 51582  
Ion Ratio Lower Upper  
117 100  
119 94.8 76.9 115.3  
201 101.0 79.4 119.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.590 ng  
RT: 8.557 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 70 Resp: 88590  
Ion Ratio Lower Upper  
70 100  
42 48.9 36.6 54.8  
101 10.2 8.2 12.2  
130 20.7 18.6 28.0



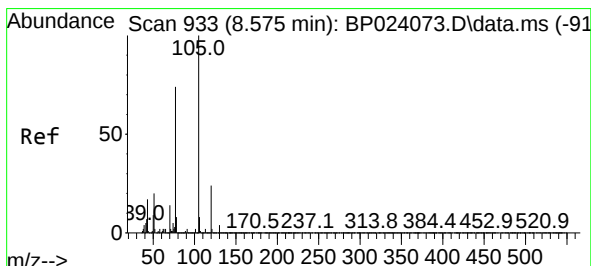
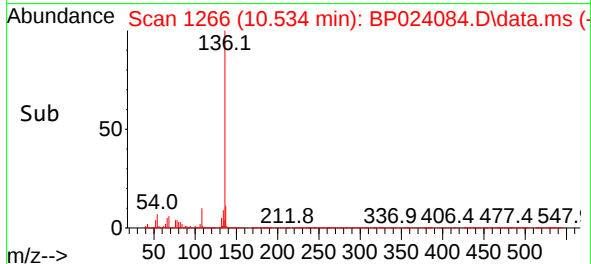
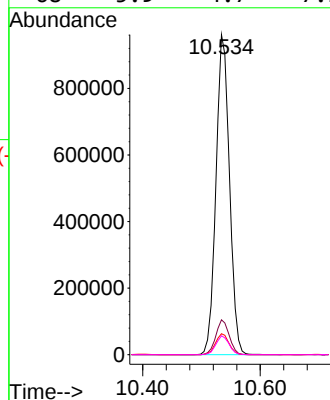
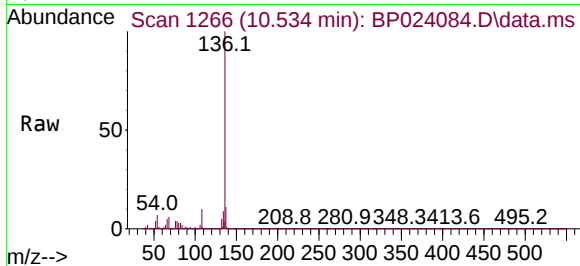


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.534 min Scan# 1266  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

Tgt Ion:136 Resp: 1531711

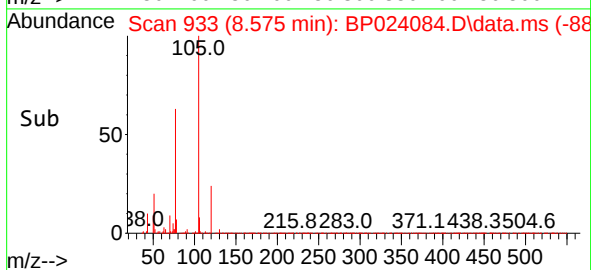
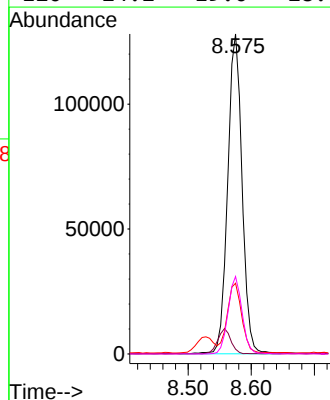
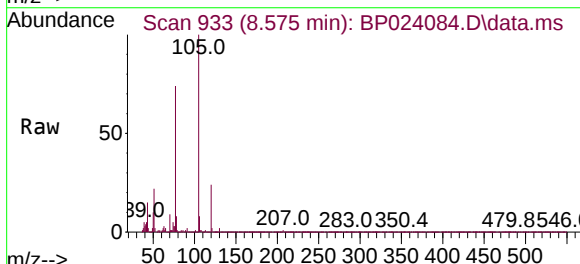
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 6.6   | 4.9   | 7.3   |
| 68  | 5.9   | 4.7   | 7.1   |

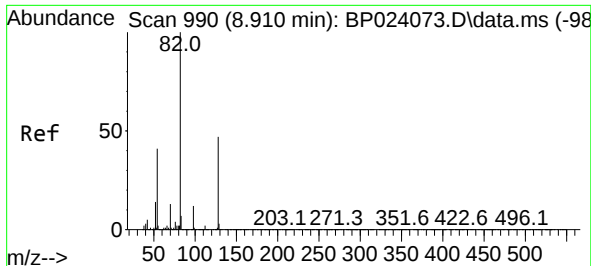


#22  
Acetophenone  
Concen: 5.133 ng  
RT: 8.575 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:105 Resp: 202044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 1.5   | 1.9   | 2.9   |
| 51  | 22.1  | 16.3  | 24.5  |
| 120 | 24.2  | 19.0  | 28.4  |

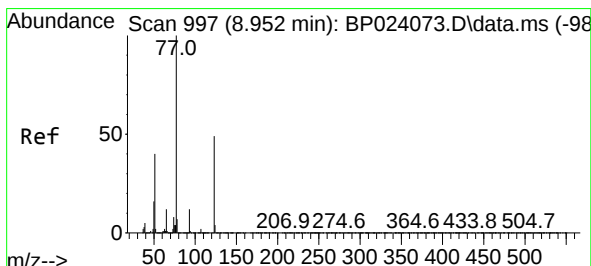
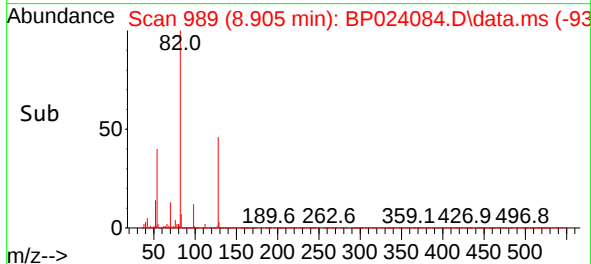
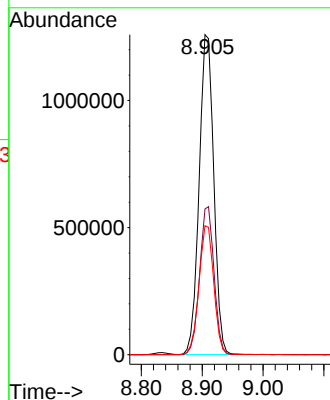
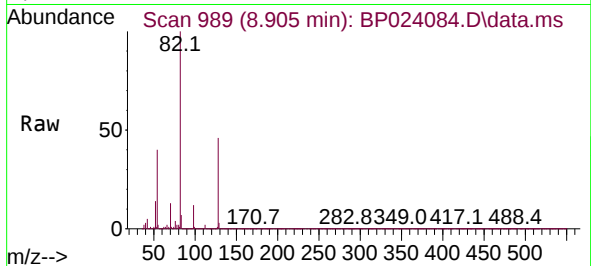




#23  
Nitrobenzene-d5  
Concen: 76.295 ng  
RT: 8.905 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

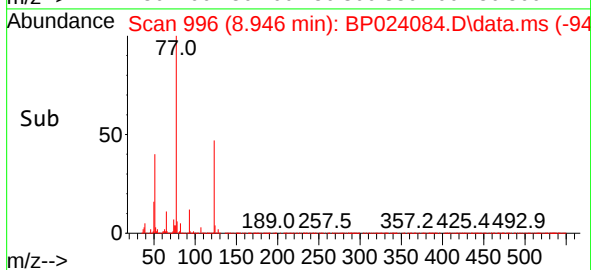
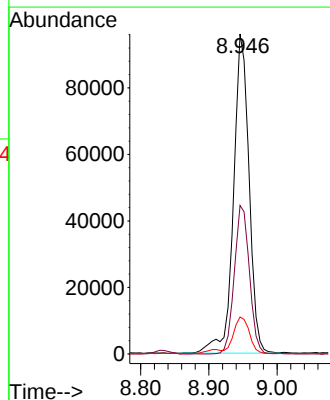
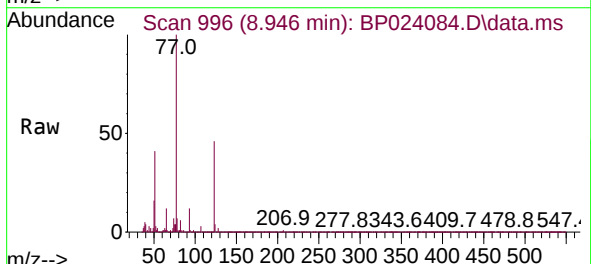
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

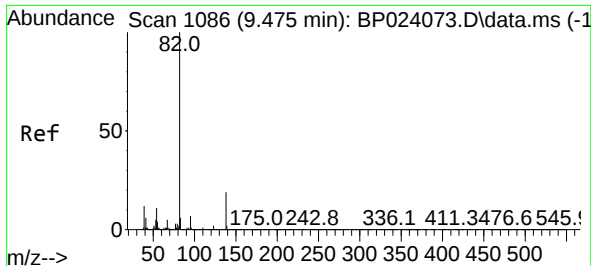
Tgt Ion: 82 Resp: 2094712  
Ion Ratio Lower Upper  
82 100  
128 45.5 37.4 56.2  
54 40.3 32.4 48.6



#24  
Nitrobenzene  
Concen: 5.640 ng  
RT: 8.946 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 77 Resp: 152405  
Ion Ratio Lower Upper  
77 100  
123 46.4 39.4 59.2  
65 11.6 9.9 14.9





#25

Isophorone

Concen: 5.317 ng

RT: 9.469 min Scan# 1085

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

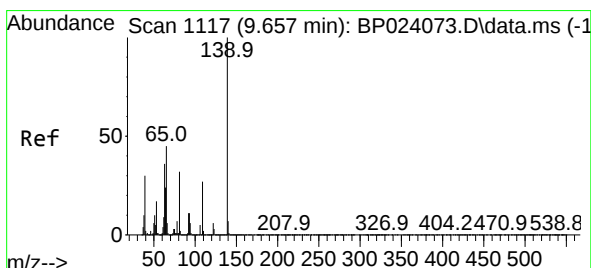
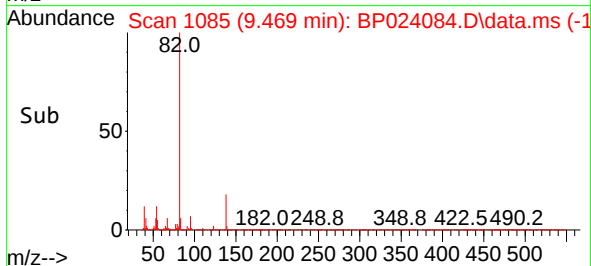
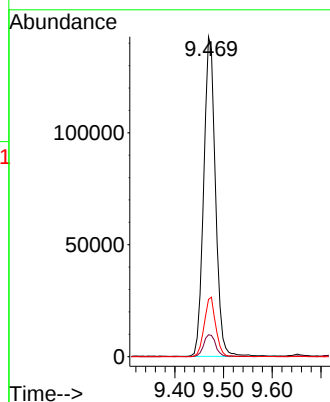
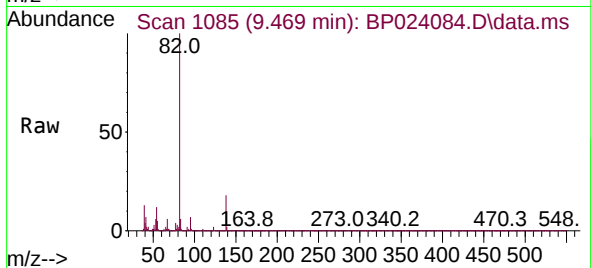
Tgt Ion: 82 Resp: 238720

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.0

138 17.9 15.3 22.9



#26

2-Nitrophenol

Concen: 3.927 ng

RT: 9.657 min Scan# 1117

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

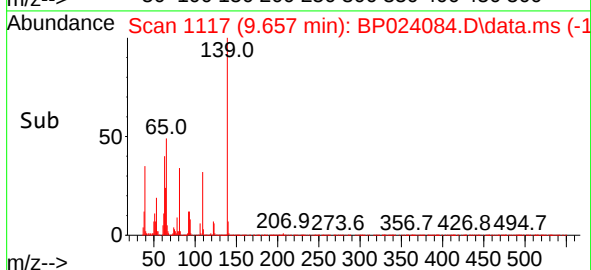
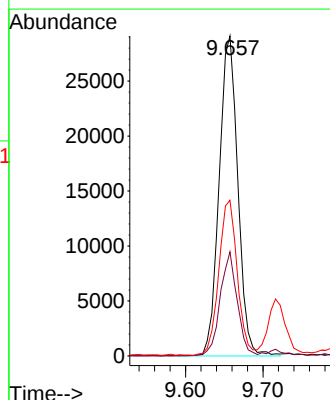
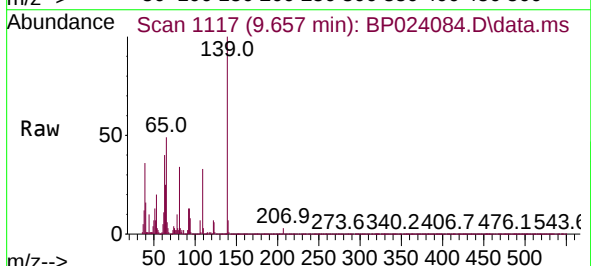
Tgt Ion: 139 Resp: 48890

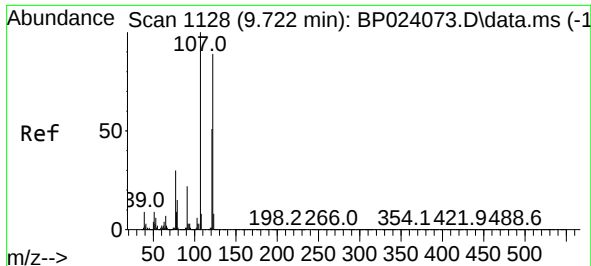
Ion Ratio Lower Upper

139 100

109 32.6 21.7 32.5

65 48.6 36.1 54.1





#27

2,4-Dimethylphenol

Concen: 4.976 ng

RT: 9.716 min Scan# 1127

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

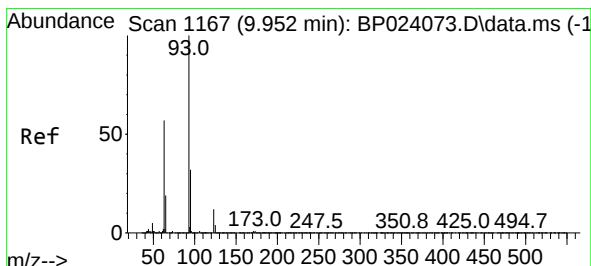
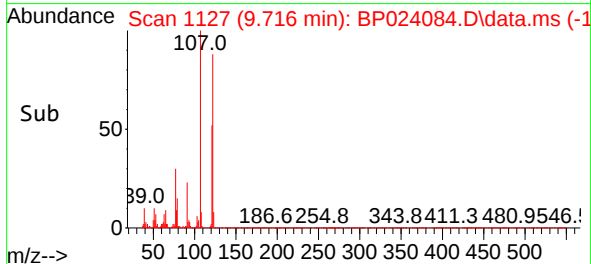
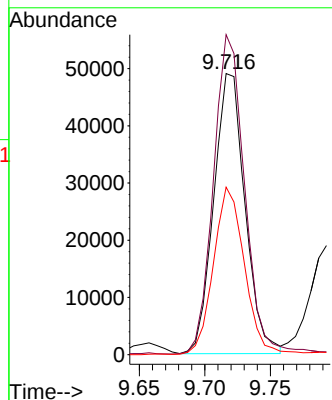
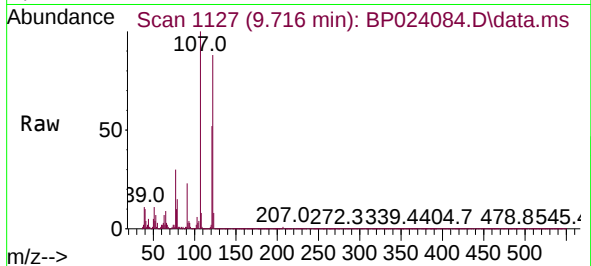
Tgt Ion:122 Resp: 81306

Ion Ratio Lower Upper

122 100

107 113.8 89.8 134.8

121 59.6 45.9 68.9



#28

bis(2-Chloroethoxy)methane

Concen: 5.027 ng

RT: 9.952 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

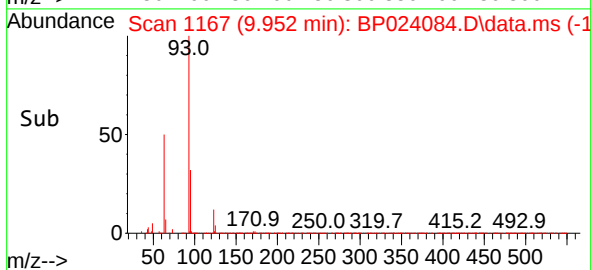
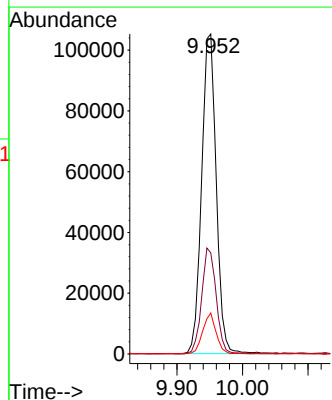
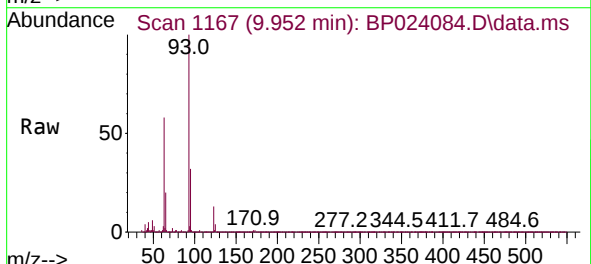
Tgt Ion: 93 Resp: 163499

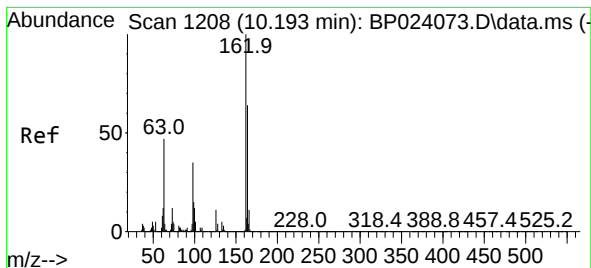
Ion Ratio Lower Upper

93 100

95 31.6 25.9 38.9

123 12.8 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 4.053 ng

RT: 10.193 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

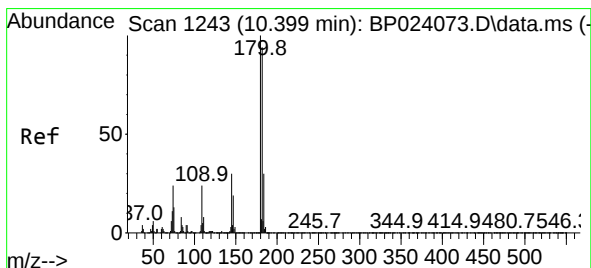
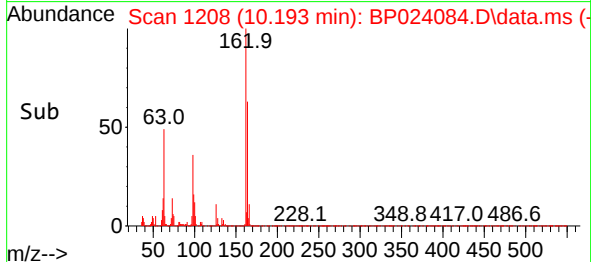
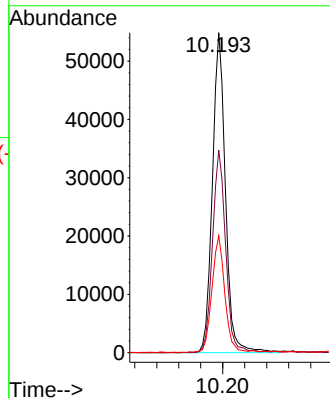
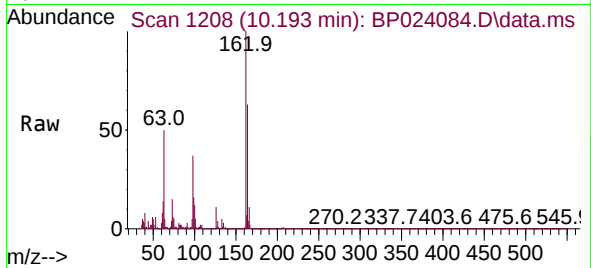
Tgt Ion:162 Resp: 90383

Ion Ratio Lower Upper

162 100

164 63.3 44.5 84.5

98 36.6 15.3 55.3



#30

1,2,4-Trichlorobenzene

Concen: 4.761 ng

RT: 10.399 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

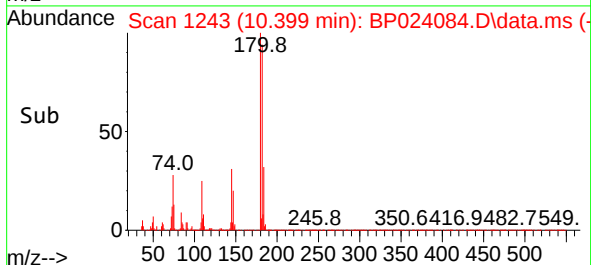
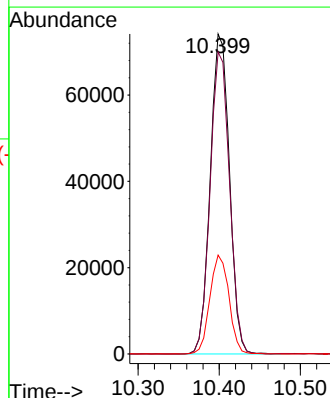
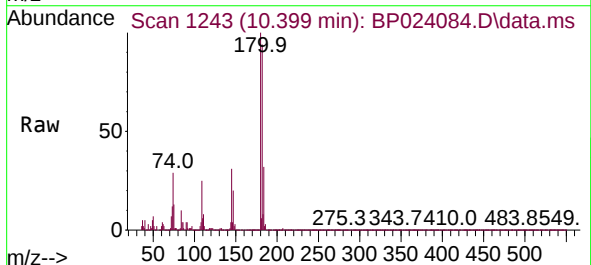
Tgt Ion:180 Resp: 121636

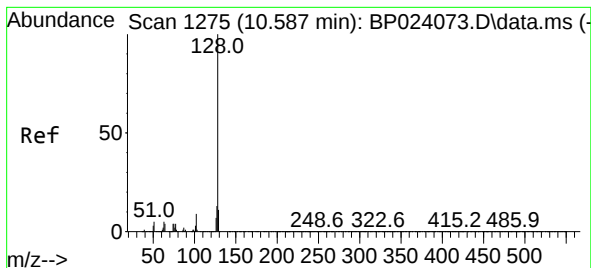
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 30.9 24.0 36.0





#31

Naphthalene

Concen: 4.989 ng

RT: 10.587 min Scan# 1275

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

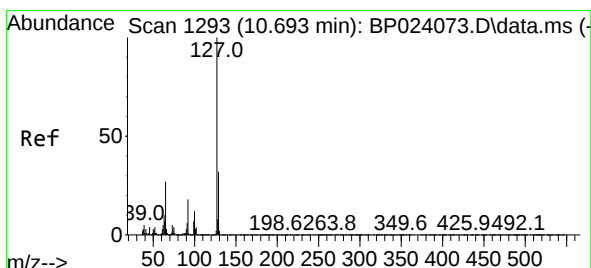
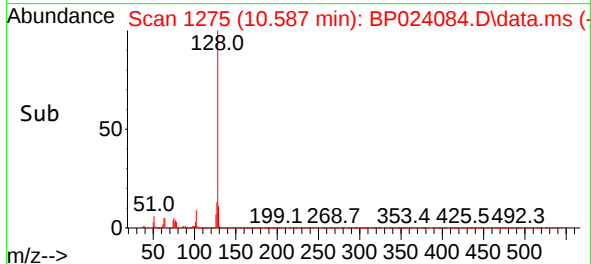
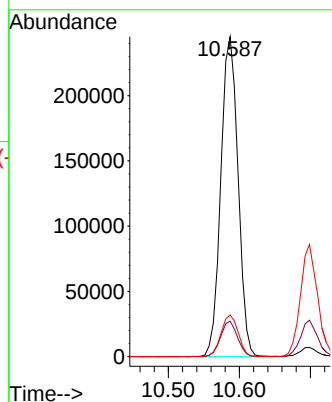
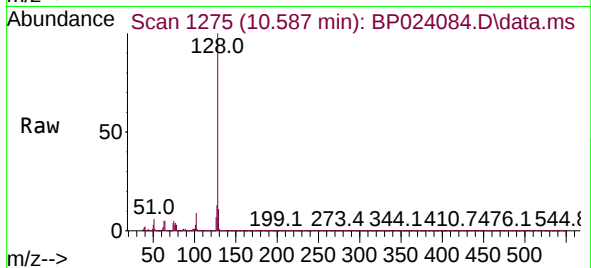
Tgt Ion:128 Resp: 410914

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.1 10.3 15.5



#33

4-Chloroaniline

Concen: 5.071 ng

RT: 10.699 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Tgt Ion:127 Resp: 147118

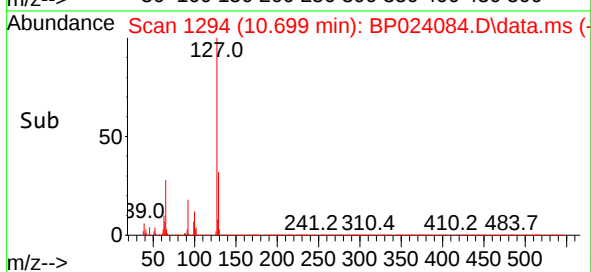
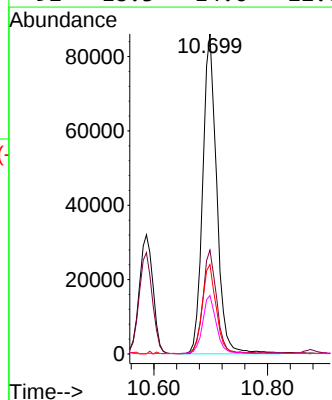
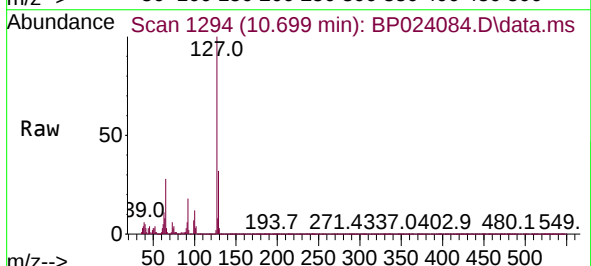
Ion Ratio Lower Upper

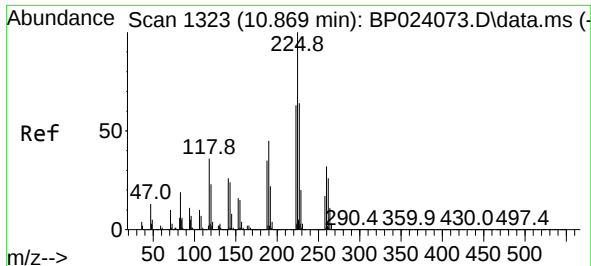
127 100

129 32.5 25.4 38.0

65 27.9 21.3 31.9

92 18.3 14.6 22.0

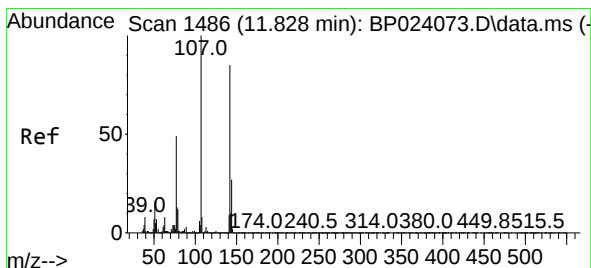
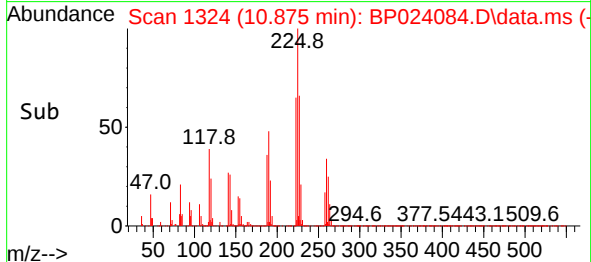
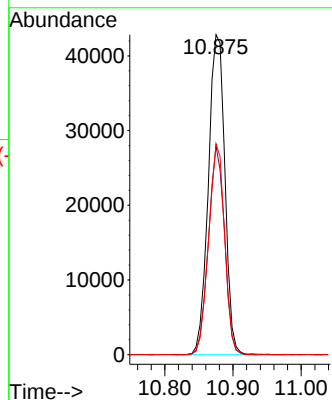
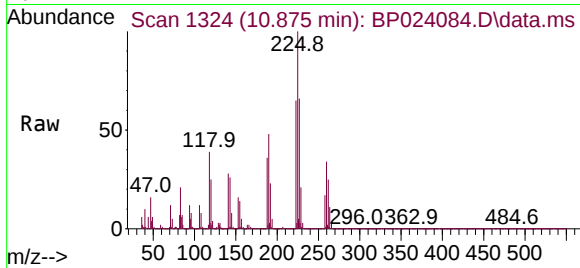




#34  
Hexachlorobutadiene  
Concen: 4.889 ng  
RT: 10.875 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

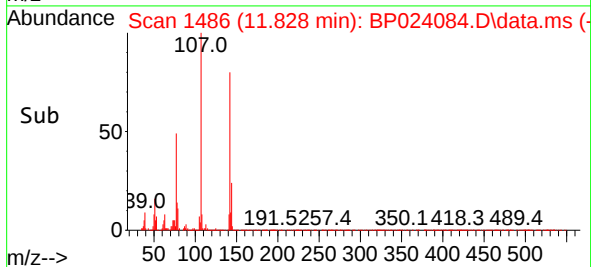
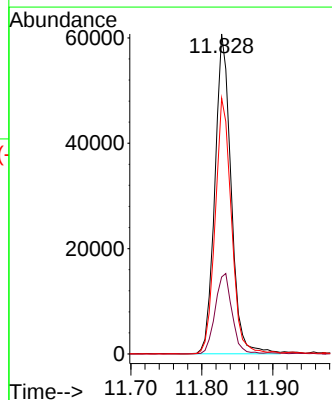
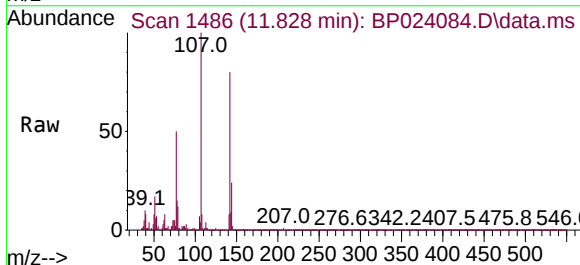
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

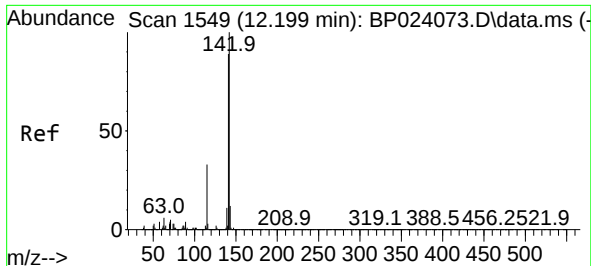
Tgt Ion:225 Resp: 72350  
Ion Ratio Lower Upper  
225 100  
223 65.2 50.5 75.7  
227 65.9 51.3 76.9



#36  
4-Chloro-3-methylphenol  
Concen: 4.192 ng  
RT: 11.828 min Scan# 1486  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:107 Resp: 96112  
Ion Ratio Lower Upper  
107 100  
144 24.1 21.8 32.8  
142 79.9 67.8 101.8

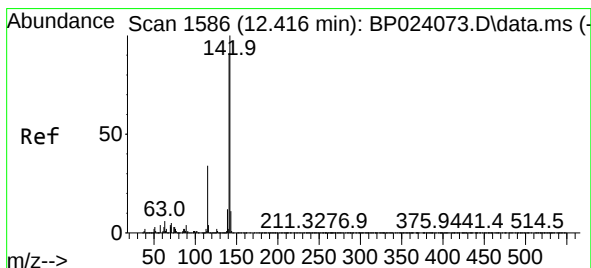
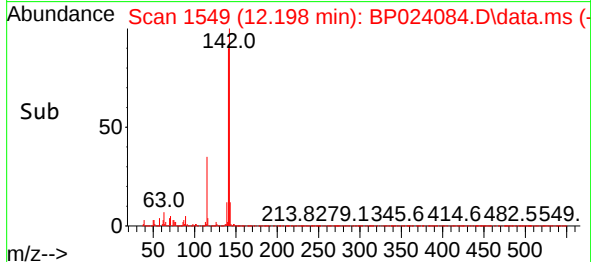
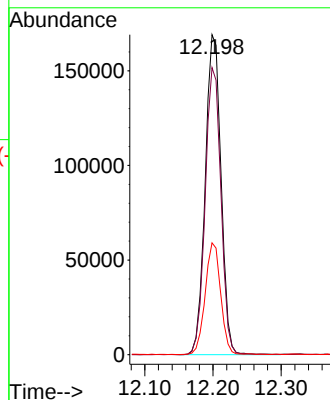
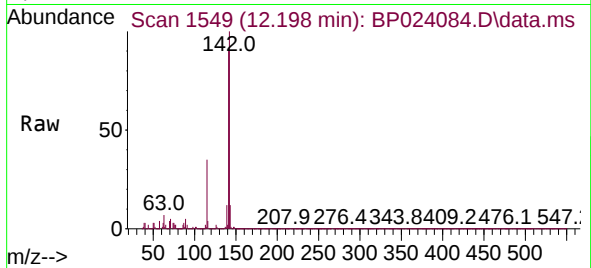




#37  
2-Methylnaphthalene  
Concen: 4.976 ng  
RT: 12.198 min Scan# 1549  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

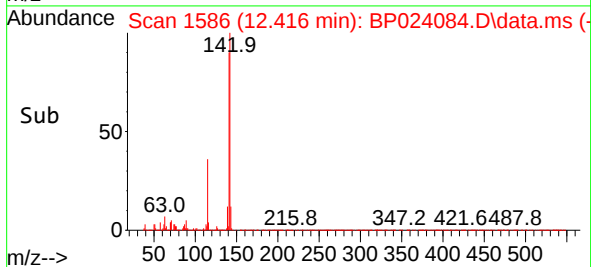
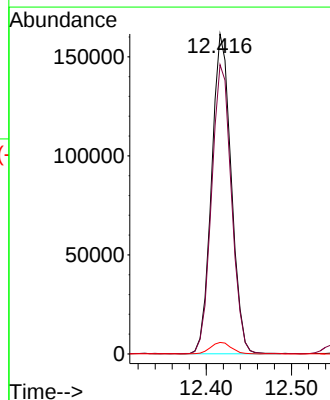
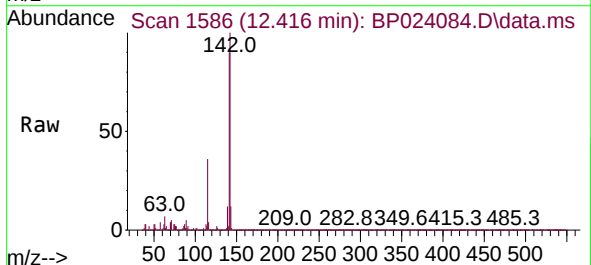
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

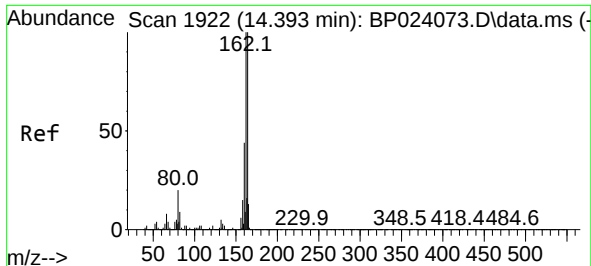
Tgt Ion:142 Resp: 272373  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.2 106.8  
115 35.0 26.5 39.7



#38  
1-Methylnaphthalene  
Concen: 4.838 ng  
RT: 12.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:142 Resp: 257632  
Ion Ratio Lower Upper  
142 100  
141 90.4 73.0 109.6  
116 3.6 2.8 4.2

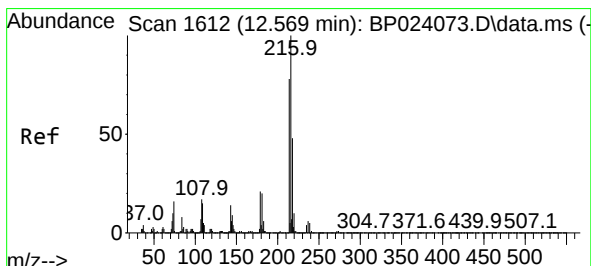
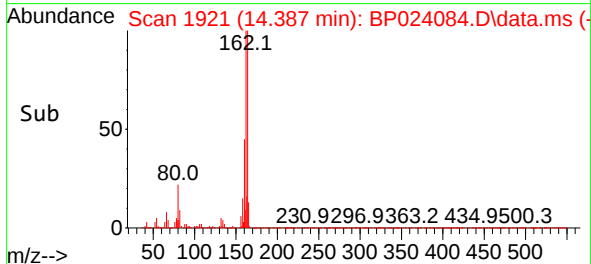
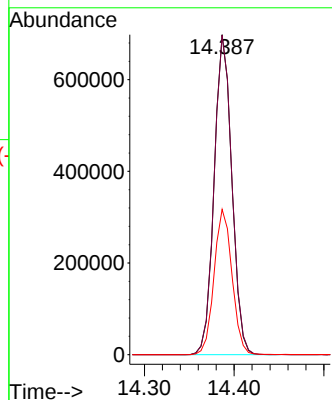
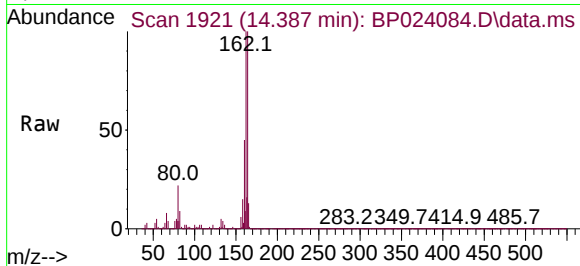




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.387 min Scan# 1921  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

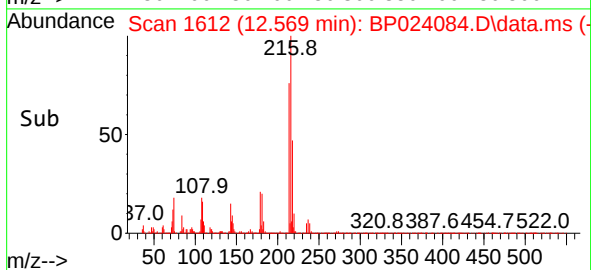
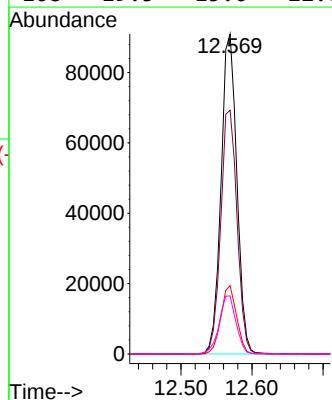
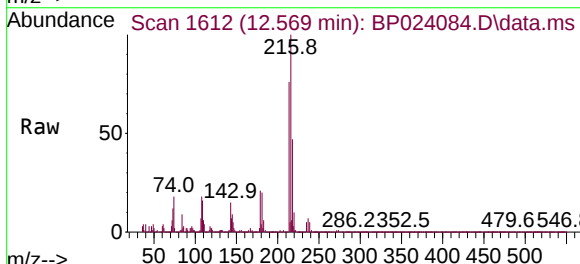
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

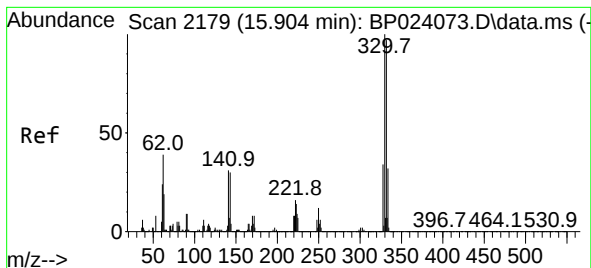
Tgt Ion:164 Resp: 952631  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.1 120.1  
160 45.4 35.6 53.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.781 ng  
RT: 12.569 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:216 Resp: 139927  
Ion Ratio Lower Upper  
216 100  
214 78.6 62.7 94.1  
179 21.3 16.6 25.0  
108 19.5 15.0 22.6





#42

2,4,6-Tribromophenol

Concen: 139.300 ng

RT: 15.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

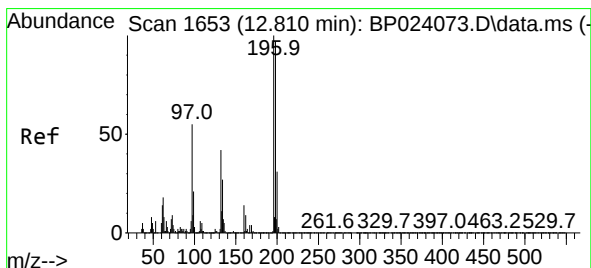
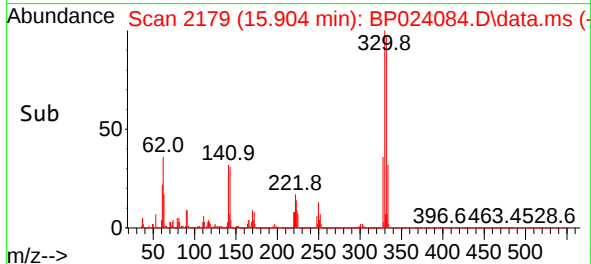
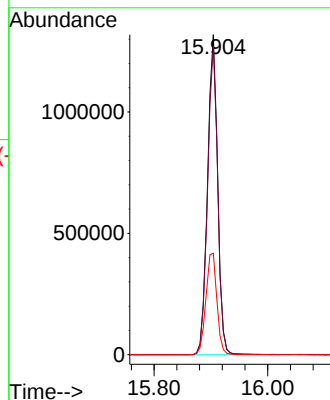
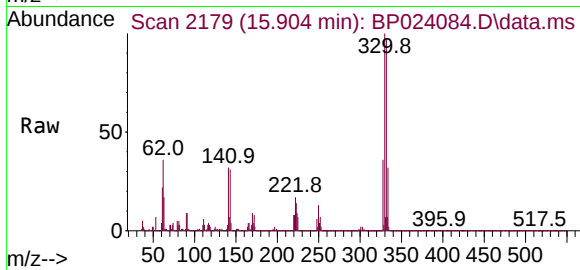
Tgt Ion:330 Resp: 1625451

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.4

141 34.6 28.3 42.5



#43

2,4,6-Trichlorophenol

Concen: 3.813 ng

RT: 12.810 min Scan# 1653

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

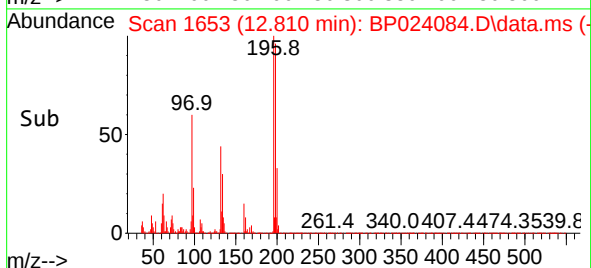
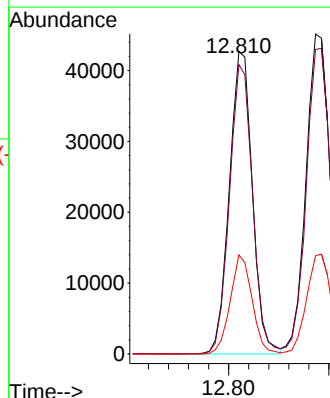
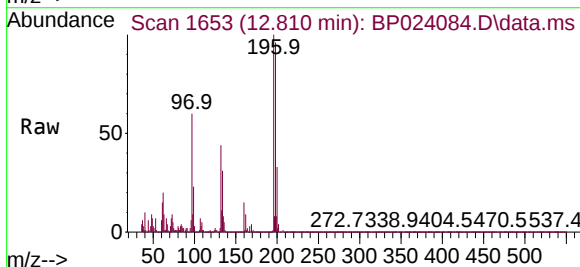
Tgt Ion:196 Resp: 68064

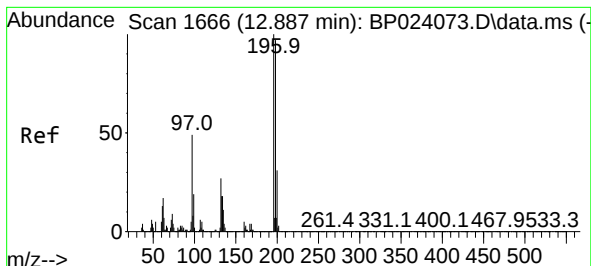
Ion Ratio Lower Upper

196 100

198 95.6 77.8 116.6

200 32.7 25.0 37.4





#44

2,4,5-Trichlorophenol

Concen: 3.932 ng

RT: 12.887 min Scan# 1666

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:196 Resp: 76763

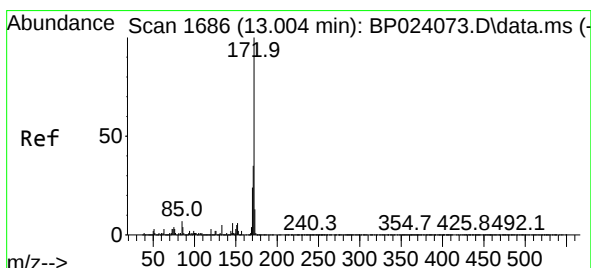
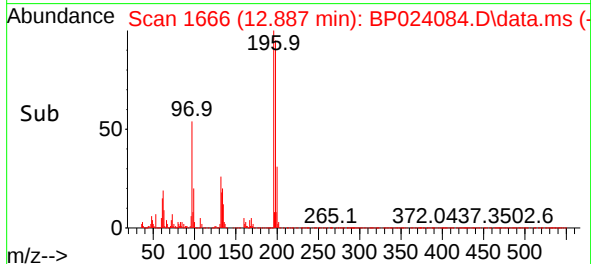
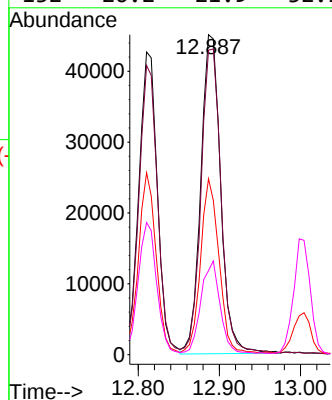
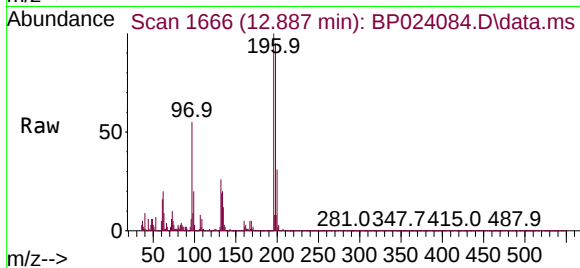
Ion Ratio Lower Upper

196 100

198 95.1 77.4 116.2

97 55.0 39.0 58.4

132 26.2 21.9 32.9



#45

2-Fluorobiphenyl

Concen: 73.667 ng

RT: 13.004 min Scan# 1686

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

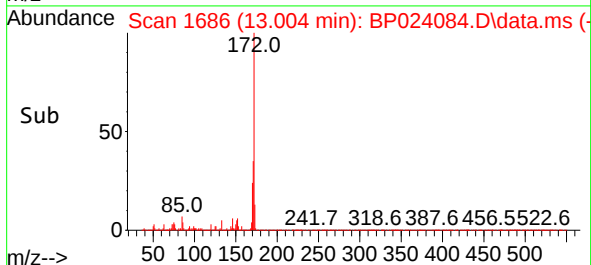
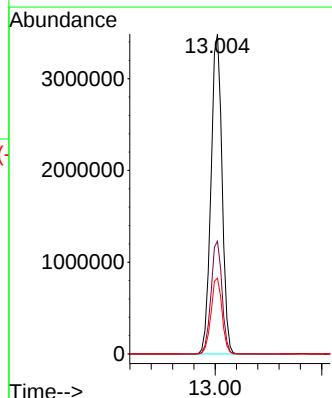
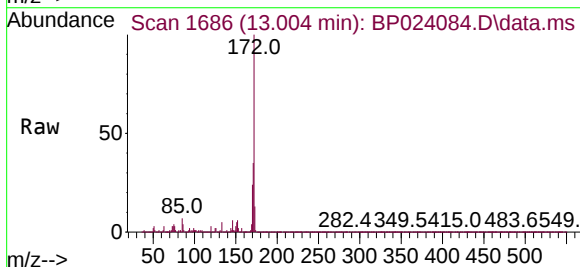
Tgt Ion:172 Resp: 5019879

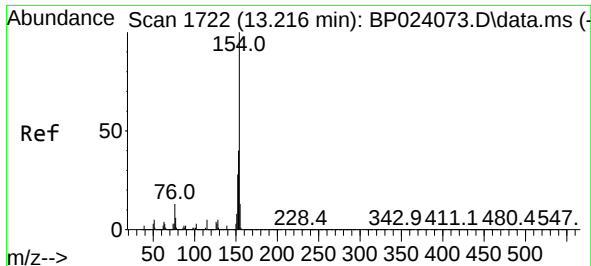
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.7 19.0 28.6

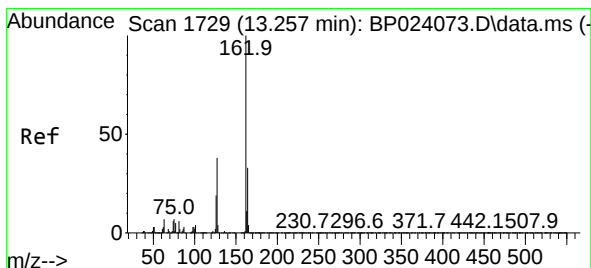
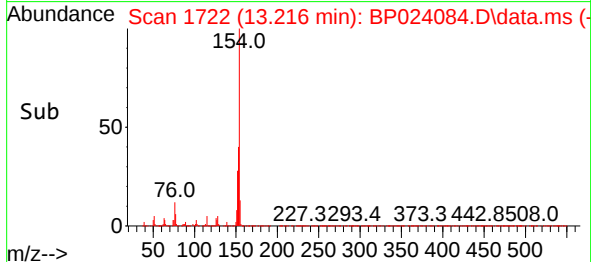
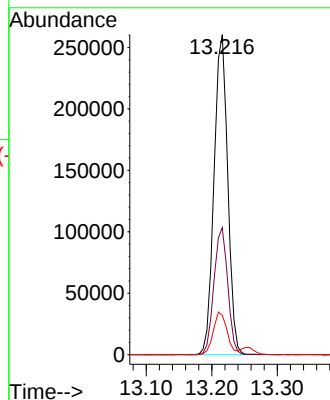
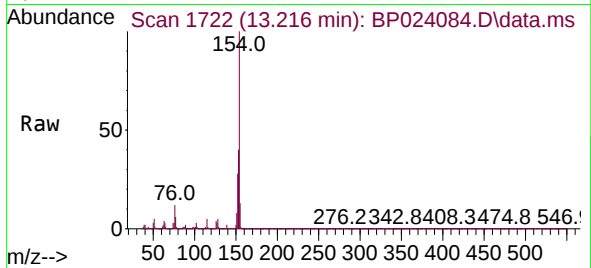




#46  
1,1'-Biphenyl  
Concen: 5.098 ng  
RT: 13.216 min Scan# 1722  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

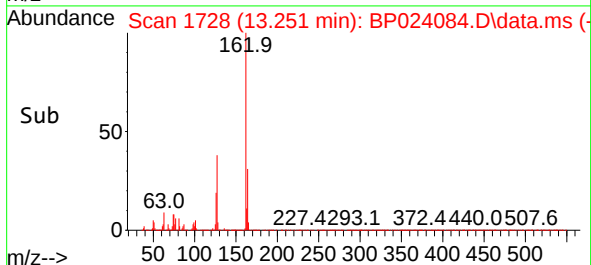
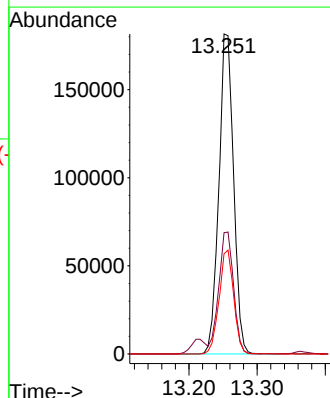
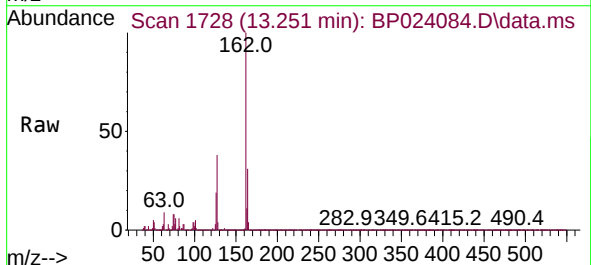
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

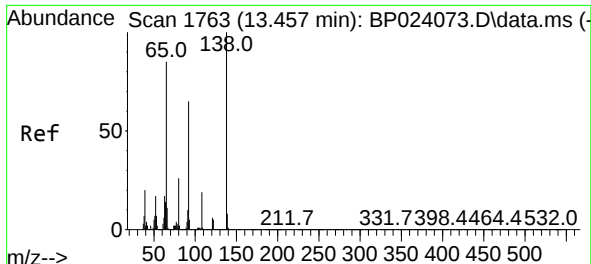
Tgt Ion:154 Resp: 377416  
Ion Ratio Lower Upper  
154 100  
153 39.7 20.0 60.0  
76 12.4 0.0 32.6



#47  
2-Chloronaphthalene  
Concen: 4.870 ng  
RT: 13.251 min Scan# 1728  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:162 Resp: 272535  
Ion Ratio Lower Upper  
162 100  
127 37.9 30.7 46.1  
164 31.3 26.6 39.8

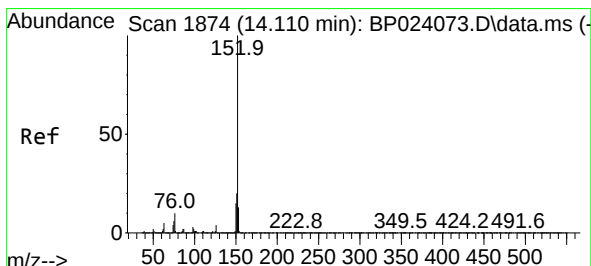
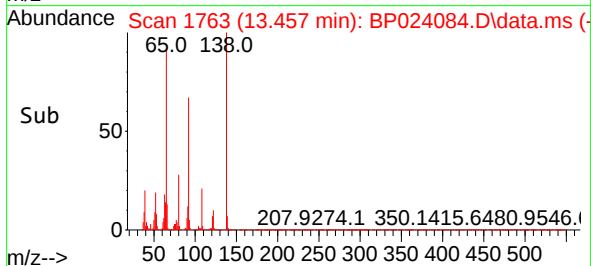
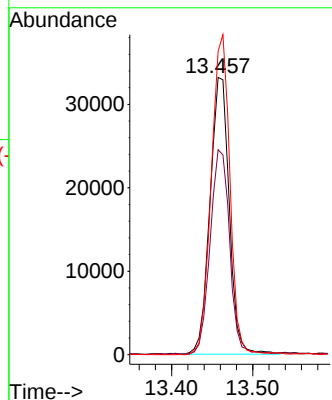
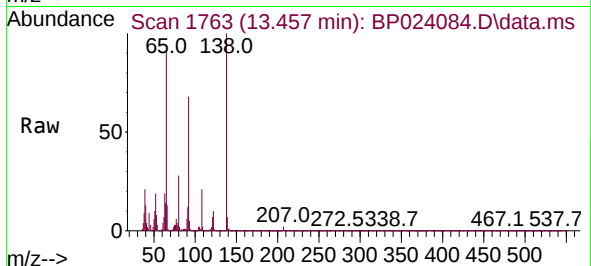




#48  
2-Nitroaniline  
Concen: 4.134 ng  
RT: 13.457 min Scan# 1763  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

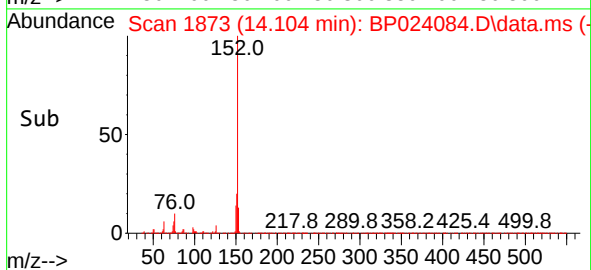
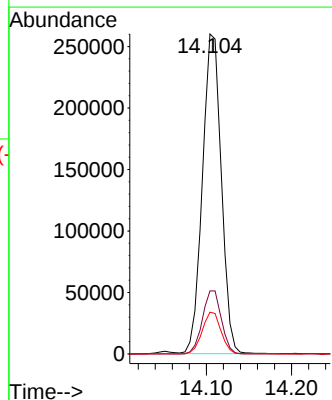
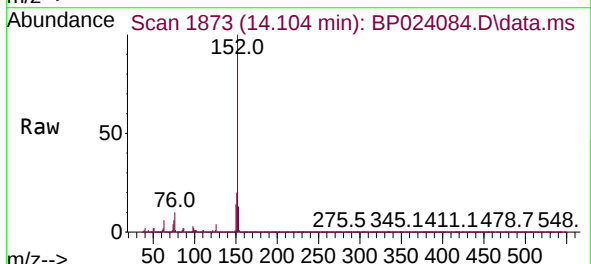
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

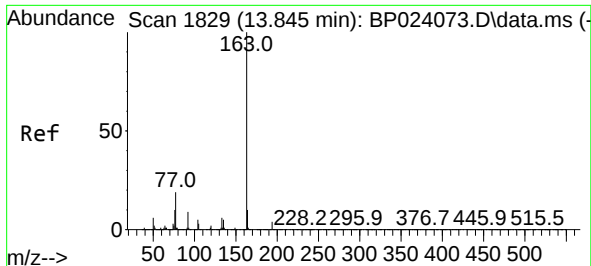
Tgt Ion: 65 Resp: 54646  
Ion Ratio Lower Upper  
65 100  
92 73.9 61.7 92.5  
138 109.4 94.6 142.0



#49  
Acenaphthylene  
Concen: 4.853 ng  
RT: 14.104 min Scan# 1873  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 152 Resp: 400154  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.8 23.8  
153 13.1 10.7 16.1

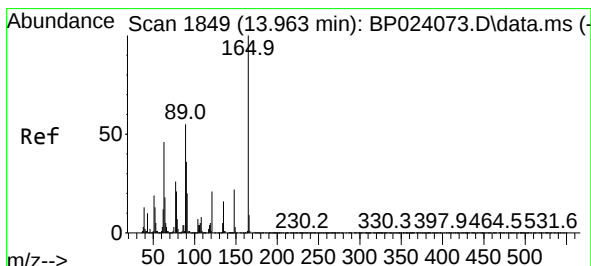
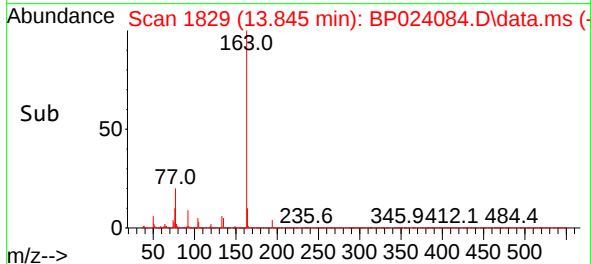
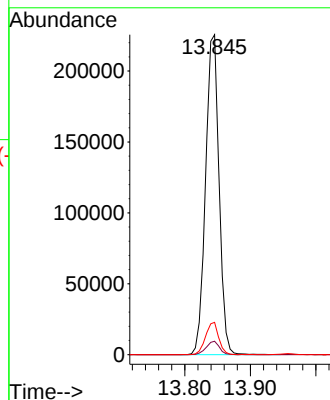
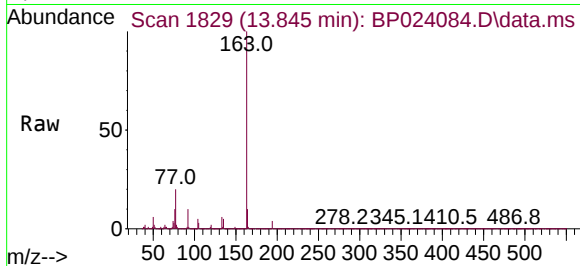




#50  
Dimethylphthalate  
Concen: 4.812 ng  
RT: 13.845 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

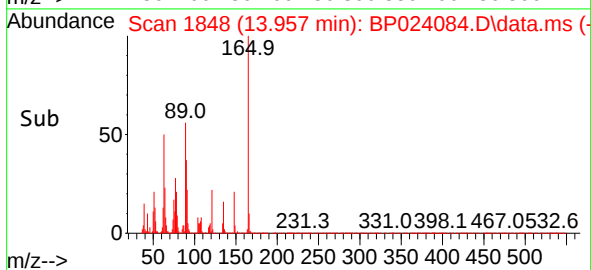
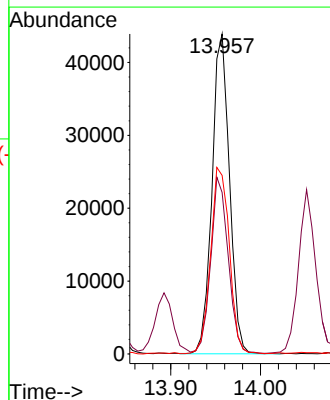
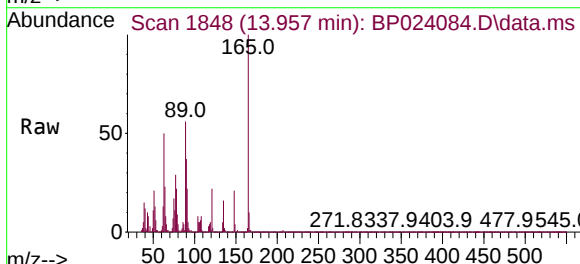
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

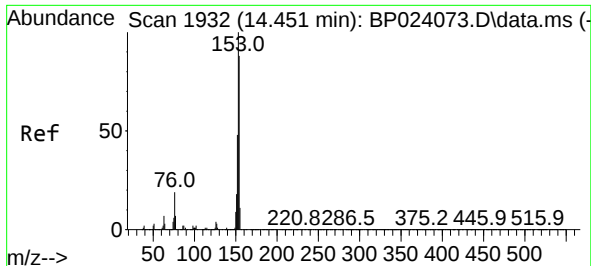
Tgt Ion:163 Resp: 323338  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.2  
164 10.1 8.1 12.1



#51  
2,6-Dinitrotoluene  
Concen: 4.330 ng  
RT: 13.957 min Scan# 1848  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:165 Resp: 59275  
Ion Ratio Lower Upper  
165 100  
63 50.4 40.1 60.1  
89 55.8 44.2 66.4

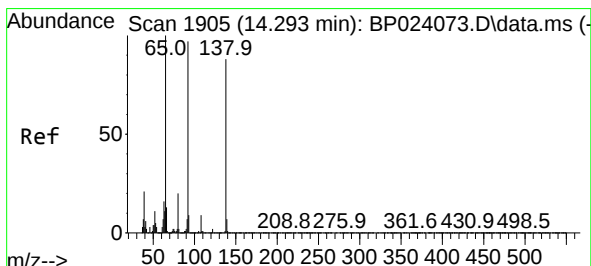
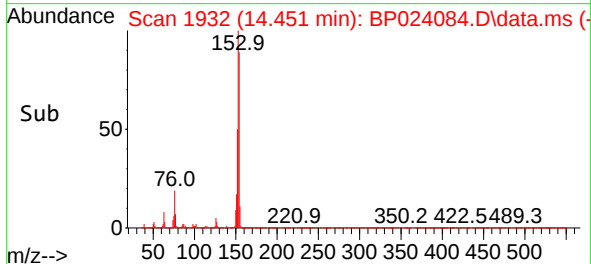
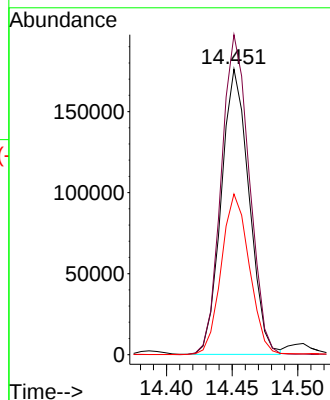
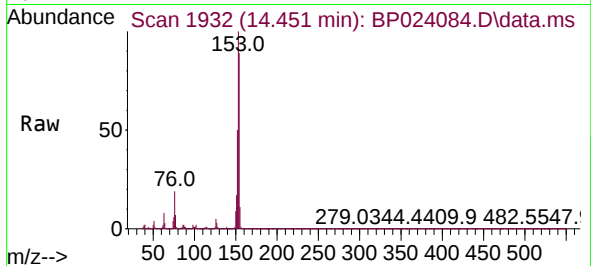




#52  
Acenaphthene  
Concen: 4.902 ng  
RT: 14.451 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

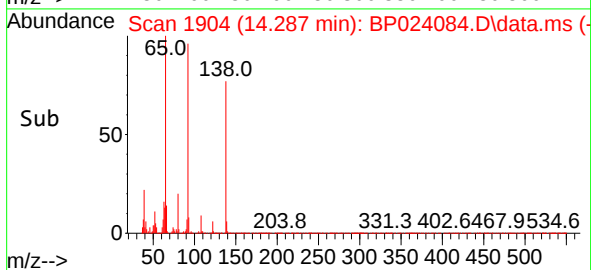
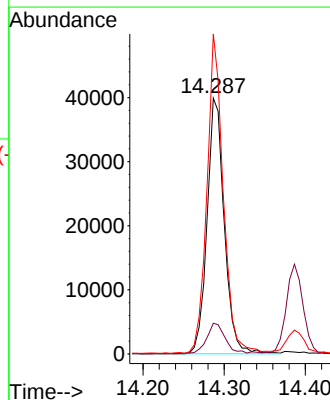
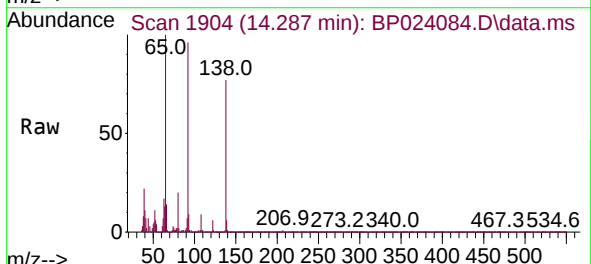
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

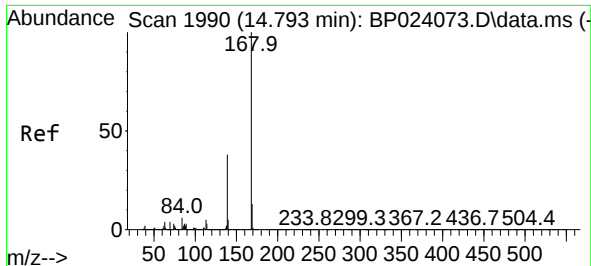
Tgt Ion:154 Resp: 260263  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.6 135.8  
152 56.2 43.6 65.4



#53  
3-Nitroaniline  
Concen: 4.015 ng  
RT: 14.287 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:138 Resp: 58652  
Ion Ratio Lower Upper  
138 100  
108 12.0 7.8 11.8#  
92 125.1 88.4 132.6

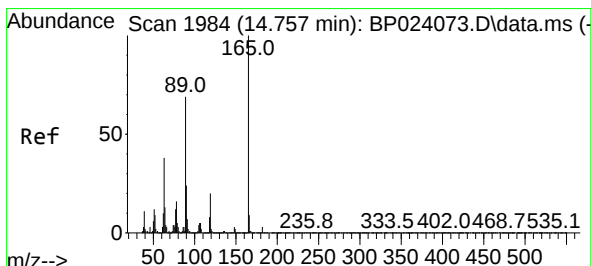
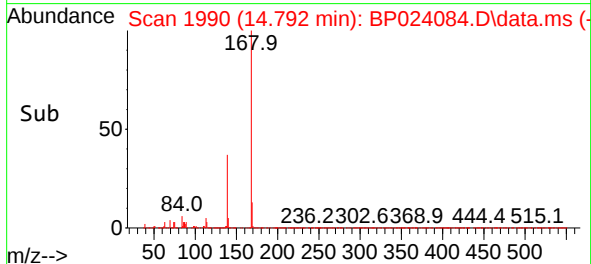
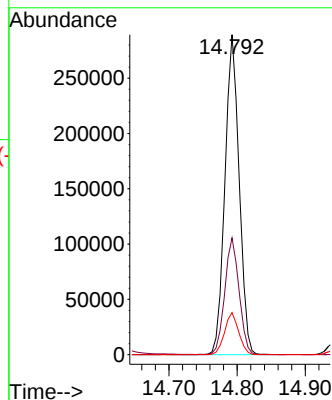
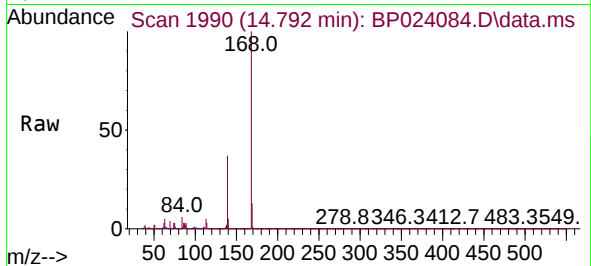




#55  
Dibenzenofuran  
Concen: 4.864 ng  
RT: 14.792 min Scan# 1990  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

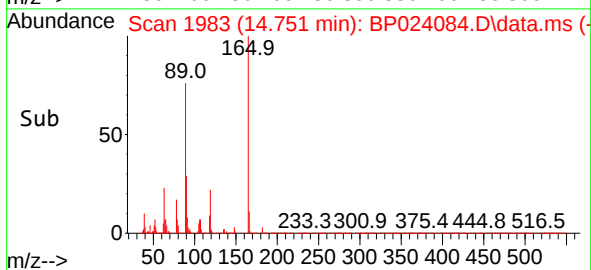
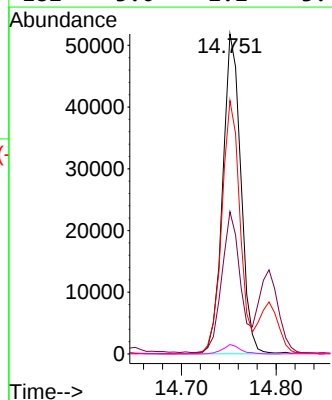
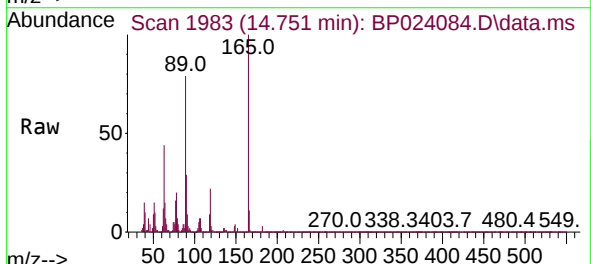
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

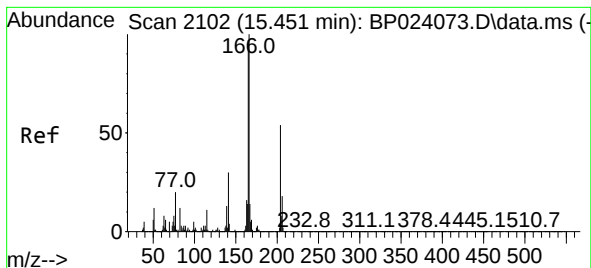
Tgt Ion:168 Resp: 419479  
Ion Ratio Lower Upper  
168 100  
139 36.5 30.2 45.2  
169 13.2 10.7 16.1



#57  
2,4-Dinitrotoluene  
Concen: 3.887 ng  
RT: 14.751 min Scan# 1983  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:165 Resp: 69114  
Ion Ratio Lower Upper  
165 100  
63 44.5 30.4 45.6  
89 79.2 54.8 82.2  
182 3.0 2.2 3.4





#58

Fluorene

Concen: 4.711 ng

RT: 15.451 min Scan# 2102

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

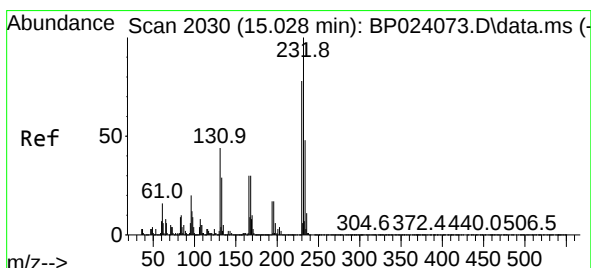
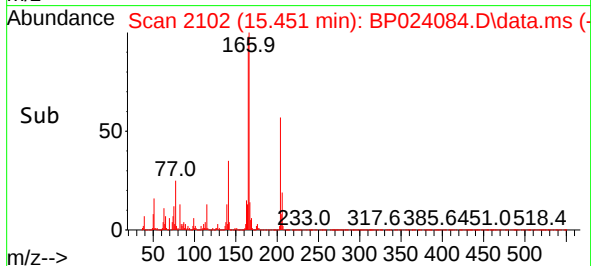
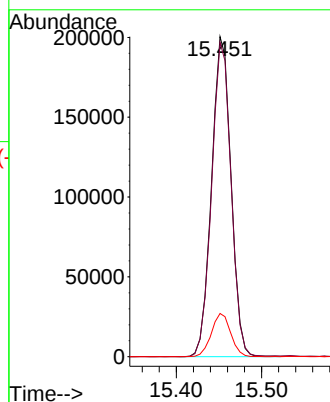
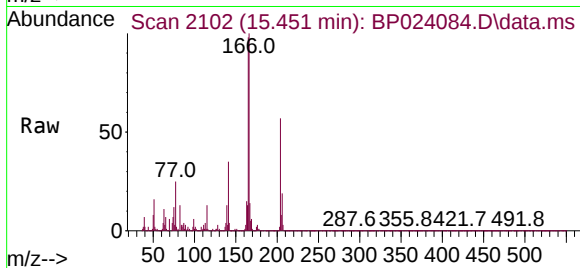
Tgt Ion:166 Resp: 317297

Ion Ratio Lower Upper

166 100

165 98.2 77.5 116.3

167 13.5 10.9 16.3



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.124 ng

RT: 15.022 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Tgt Ion:232 Resp: 69849

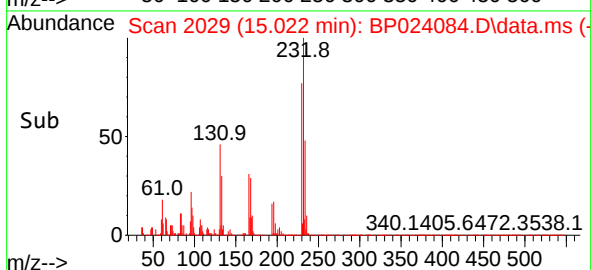
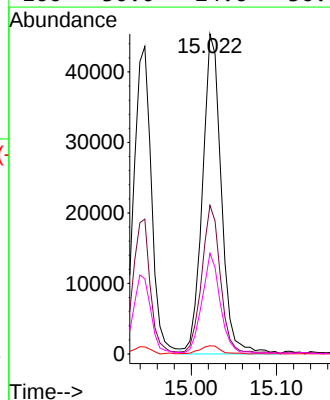
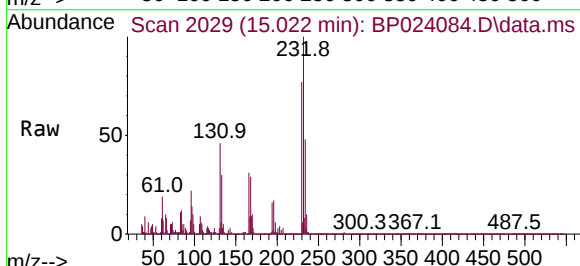
Ion Ratio Lower Upper

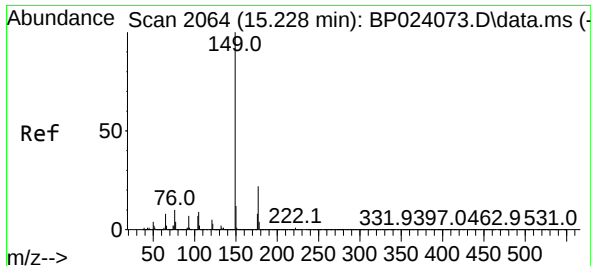
232 100

131 44.7 37.3 55.9

130 2.9 1.9 2.9

166 30.0 24.6 36.8

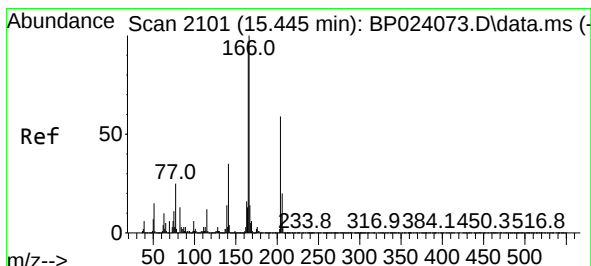
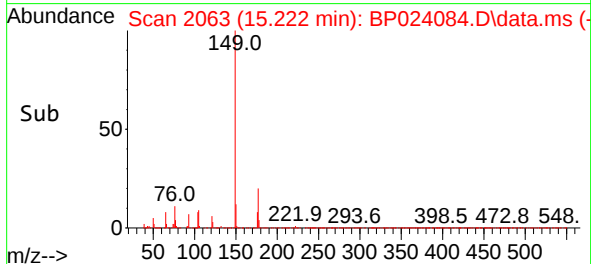
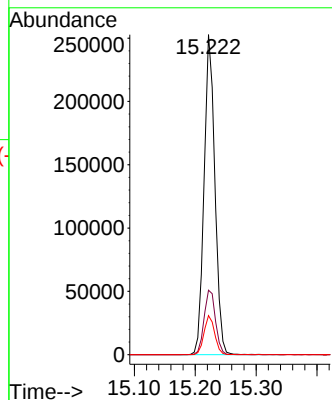
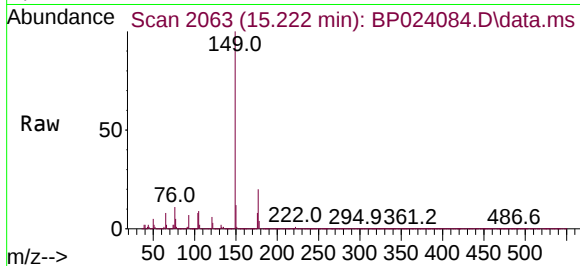




#60  
Diethylphthalate  
Concen: 4.654 ng  
RT: 15.222 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

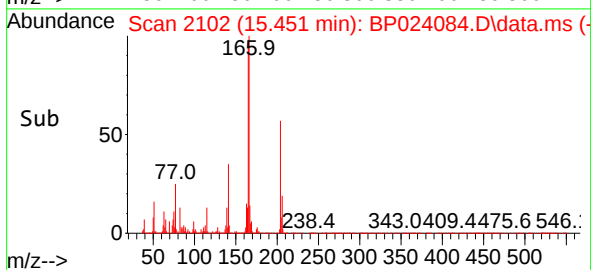
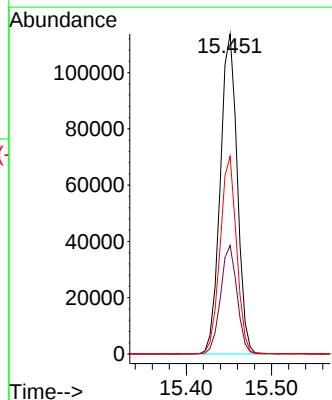
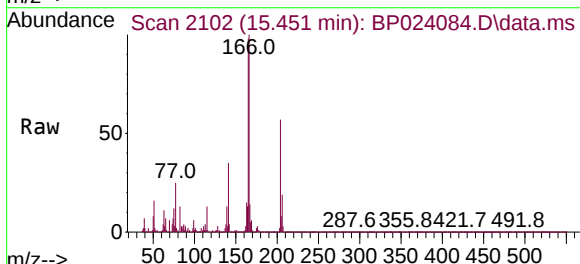
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

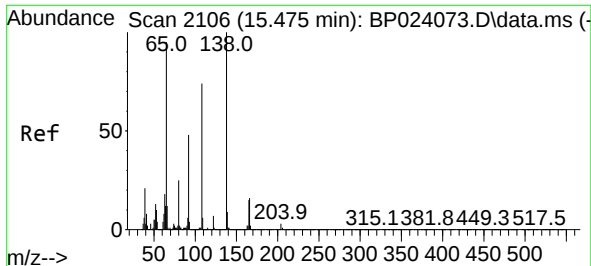
Tgt Ion:149 Resp: 310431  
Ion Ratio Lower Upper  
149 100  
177 20.2 17.9 26.9  
150 12.2 9.8 14.6



#61  
4-Chlorophenyl-phenylether  
Concen: 4.745 ng  
RT: 15.451 min Scan# 2102  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:204 Resp: 157334  
Ion Ratio Lower Upper  
204 100  
206 33.9 26.6 39.8  
141 61.7 47.8 71.6

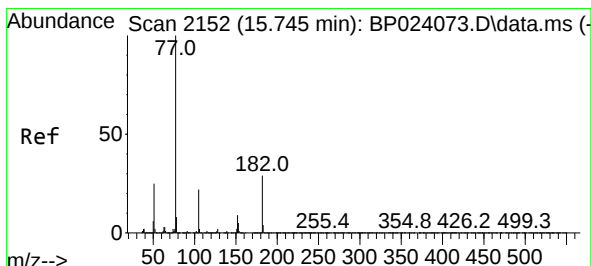
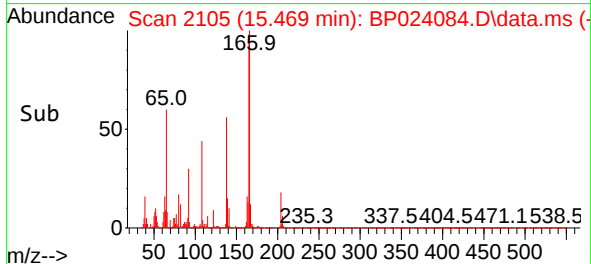
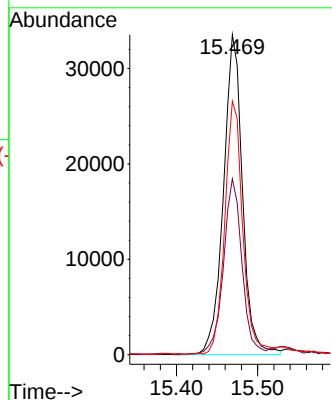
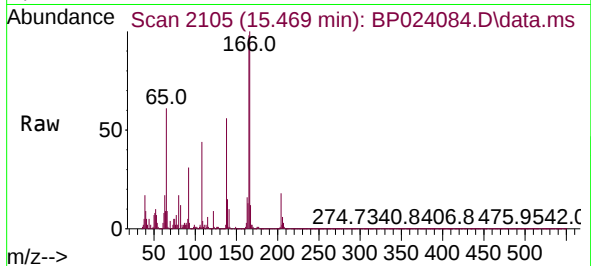




#62  
4-Nitroaniline  
Concen: 6.235 ng  
RT: 15.469 min Scan# 2105  
Delta R.T. -0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

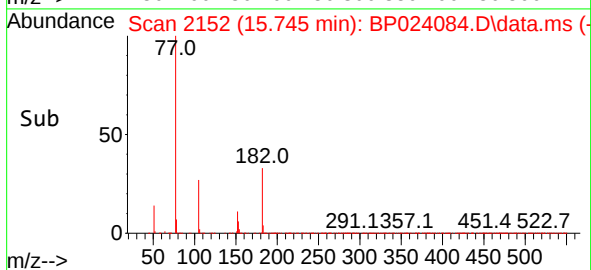
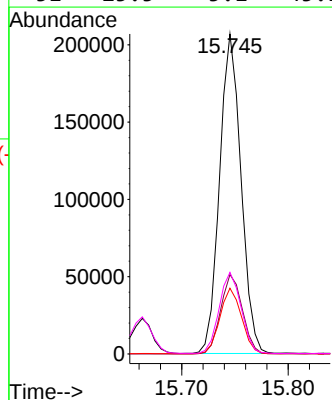
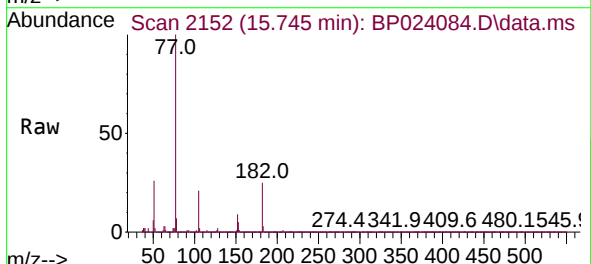
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

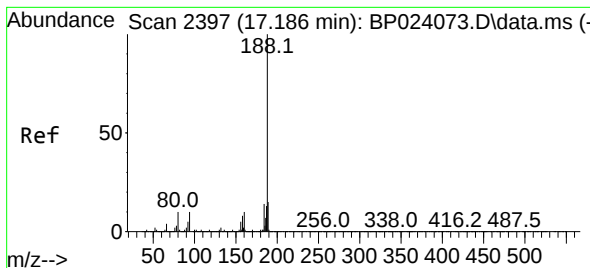
Tgt Ion:138 Resp: 54710  
Ion Ratio Lower Upper  
138 100  
92 55.0 28.3 68.3  
108 79.3 54.0 94.0



#63  
Azobenzene  
Concen: 4.613 ng  
RT: 15.745 min Scan# 2152  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion: 77 Resp: 288371  
Ion Ratio Lower Upper  
77 100  
182 24.8 8.5 48.5  
105 20.5 1.8 41.8  
51 25.5 5.1 45.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

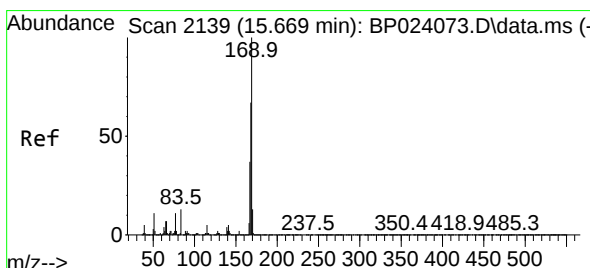
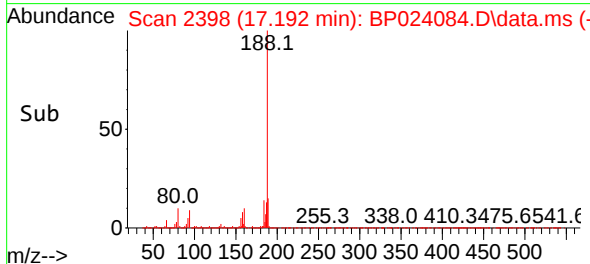
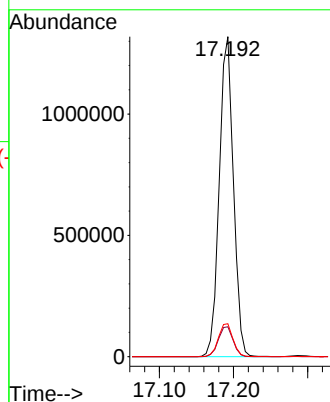
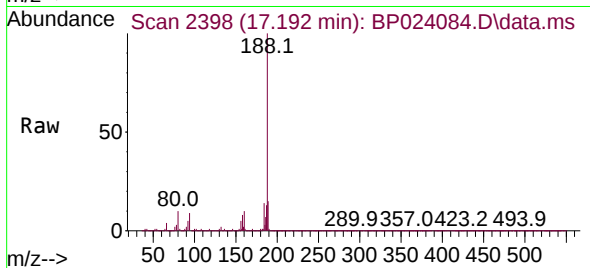
Tgt Ion:188 Resp: 1749717

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 10.3 8.2 12.2



#66

n-Nitrosodiphenylamine

Concen: 4.724 ng

RT: 15.663 min Scan# 2138

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

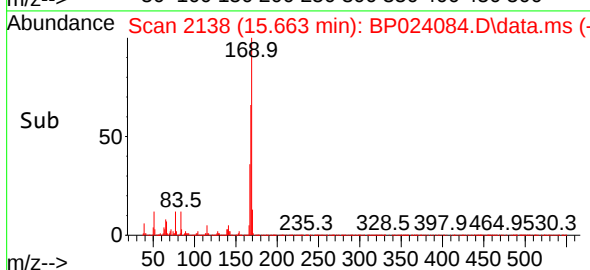
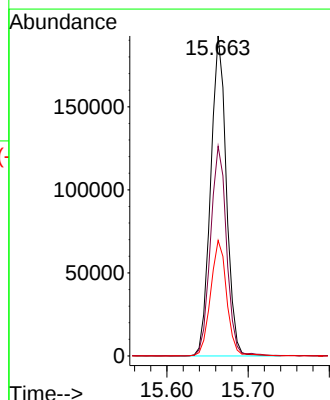
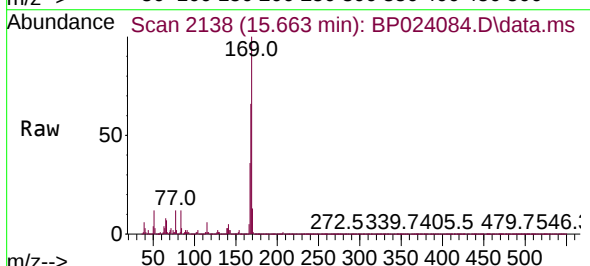
Tgt Ion:169 Resp: 257749

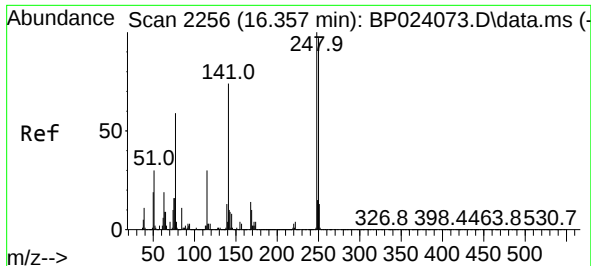
Ion Ratio Lower Upper

169 100

168 65.5 53.6 80.4

167 36.1 29.5 44.3

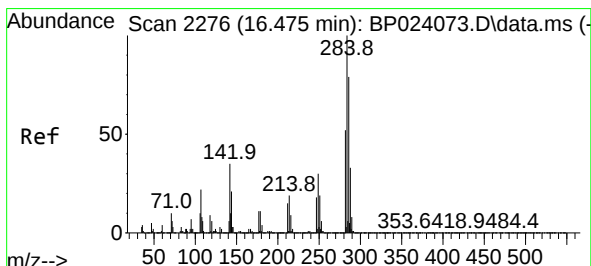
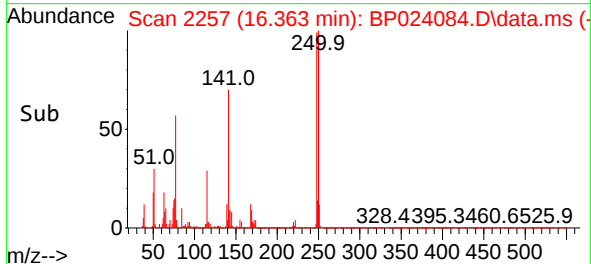
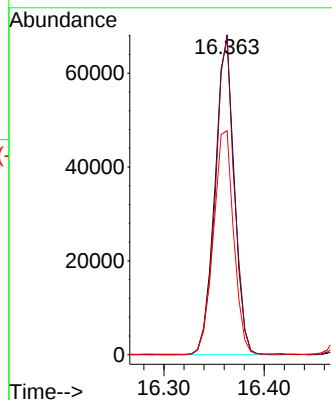
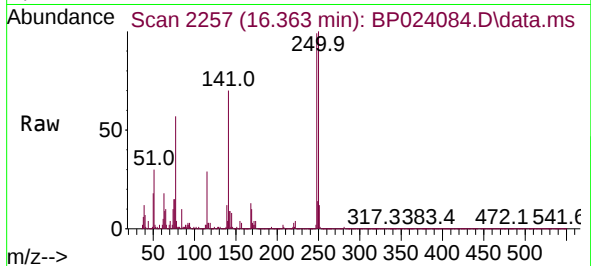




#67  
4-Bromophenyl-phenylether  
Concen: 4.600 ng  
RT: 16.363 min Scan# 2256  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

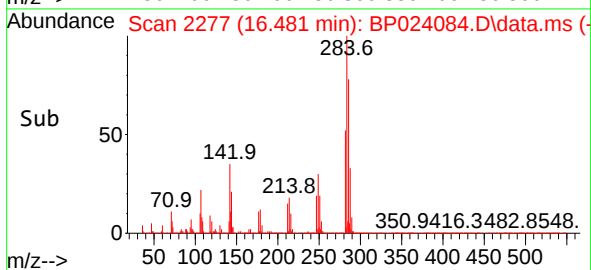
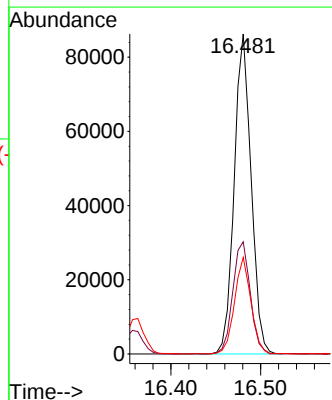
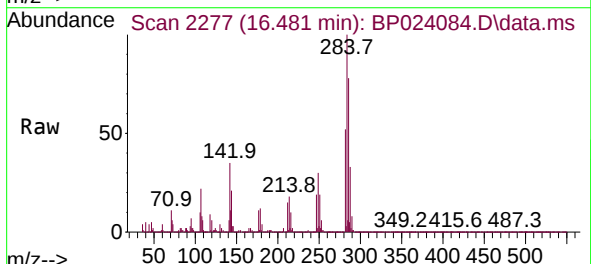
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

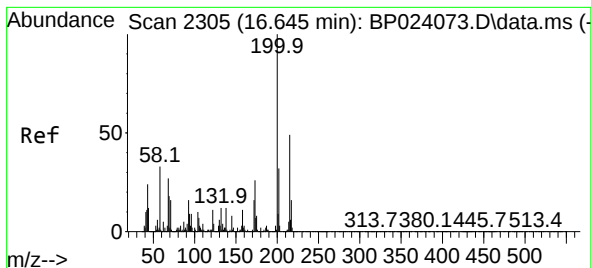
Tgt Ion:248 Resp: 90387  
Ion Ratio Lower Upper  
248 100  
250 101.2 77.9 116.9  
141 70.9 58.8 88.2



#68  
Hexachlorobenzene  
Concen: 4.879 ng  
RT: 16.481 min Scan# 2277  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:284 Resp: 112811  
Ion Ratio Lower Upper  
284 100  
142 35.1 27.7 41.5  
249 30.2 23.8 35.6





#69

Atrazine

Concen: 5.238 ng

RT: 16.639 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

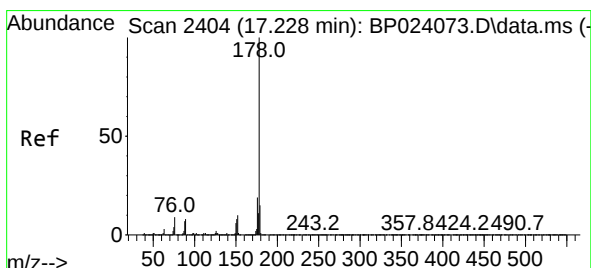
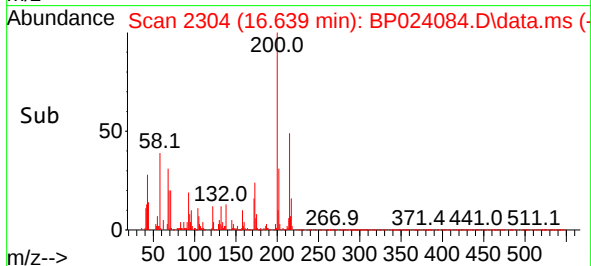
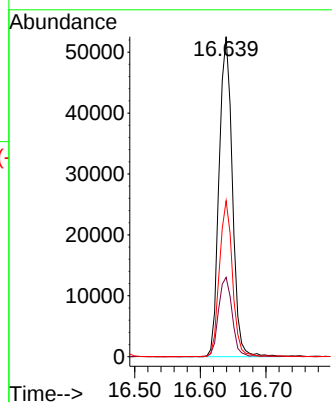
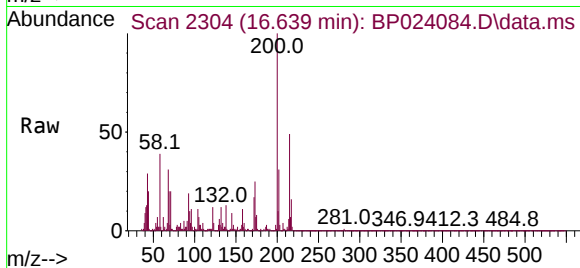
Tgt Ion:200 Resp: 73352

Ion Ratio Lower Upper

200 100

173 24.8 5.7 45.7

215 48.7 28.7 68.7



#71

Phenanthrene

Concen: 4.883 ng

RT: 17.228 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

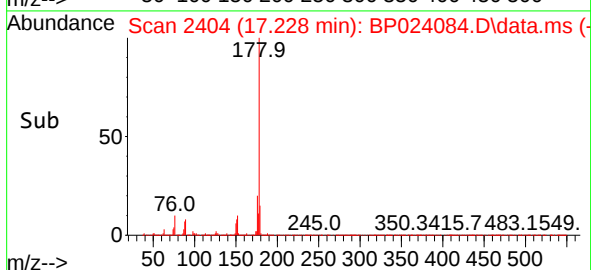
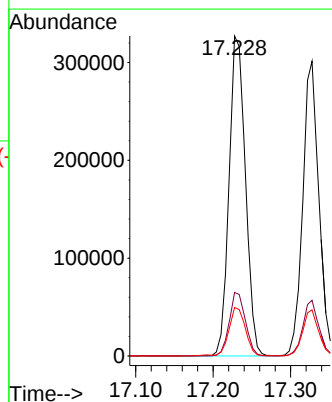
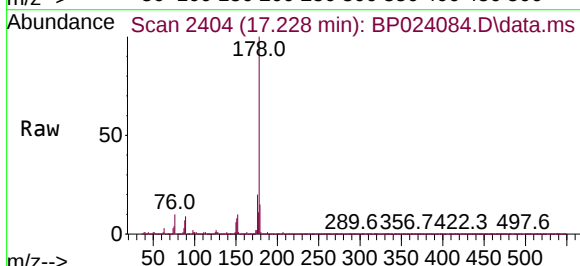
Tgt Ion:178 Resp: 481660

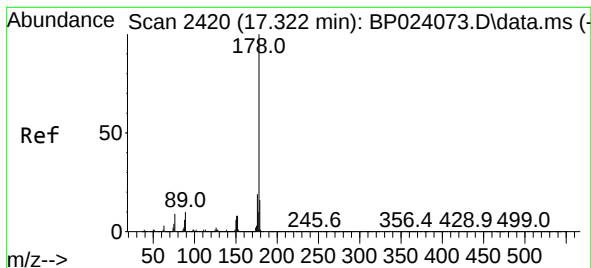
Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 15.2 12.4 18.6





#72

Anthracene

Concen: 4.637 ng

RT: 17.328 min Scan# 2420

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

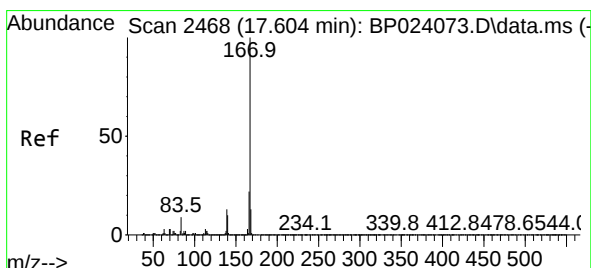
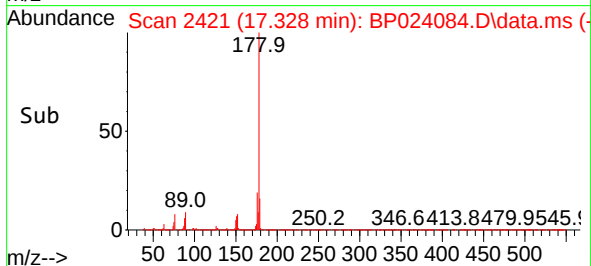
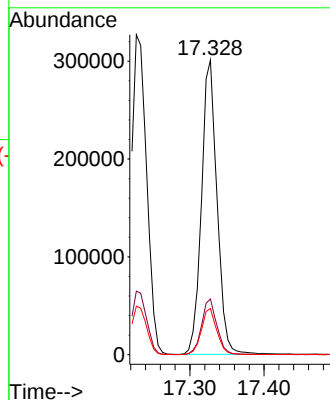
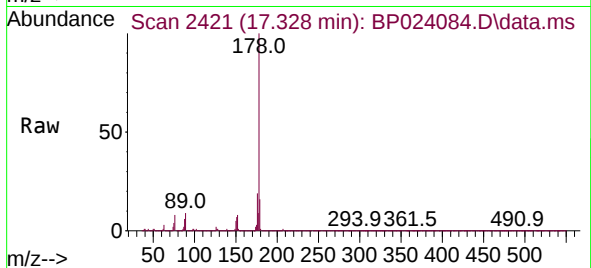
Tgt Ion:178 Resp: 438349

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 15.6 12.6 19.0



#73

Carbazole

Concen: 4.338 ng

RT: 17.610 min Scan# 2469

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

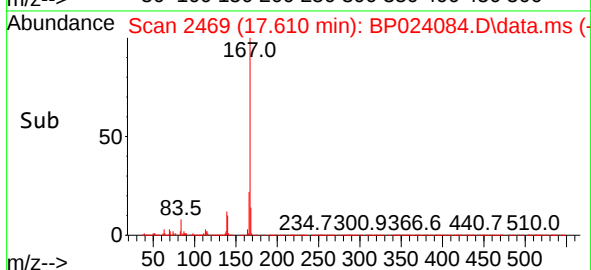
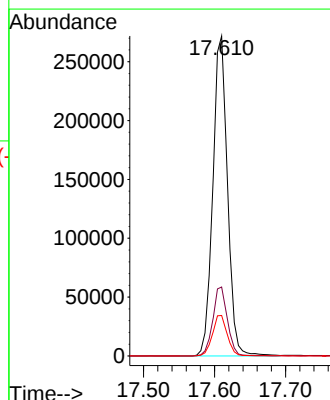
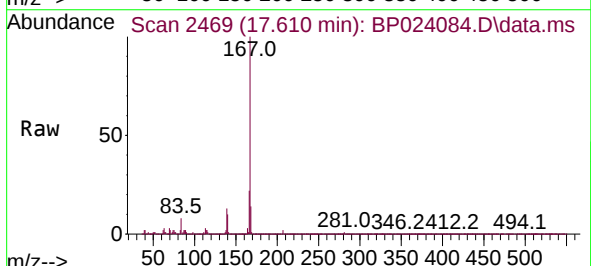
Tgt Ion:167 Resp: 390703

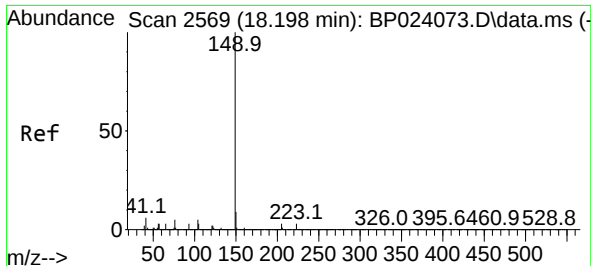
Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.6 10.3 15.5

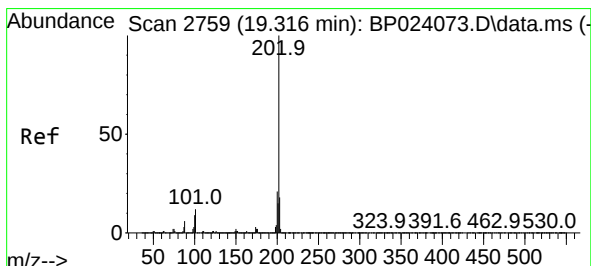
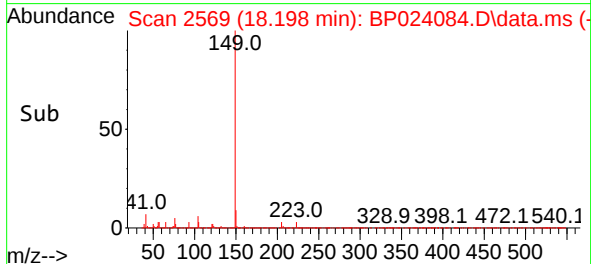
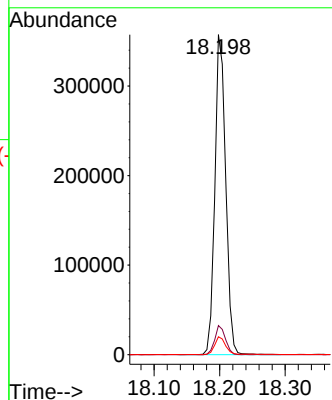
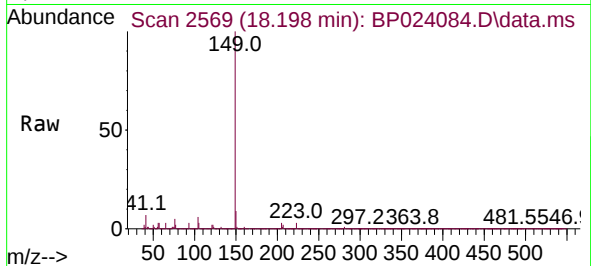




#74  
Di-n-butylphthalate  
Concen: 3.895 ng  
RT: 18.198 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

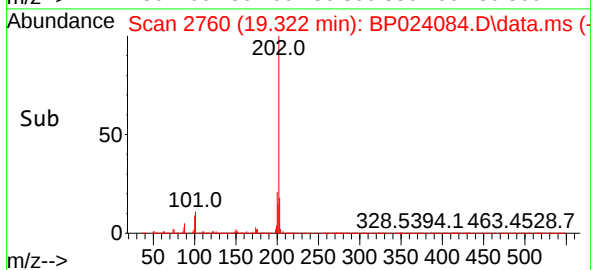
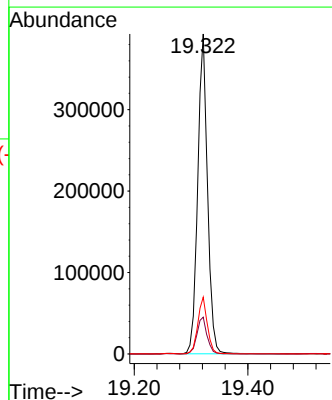
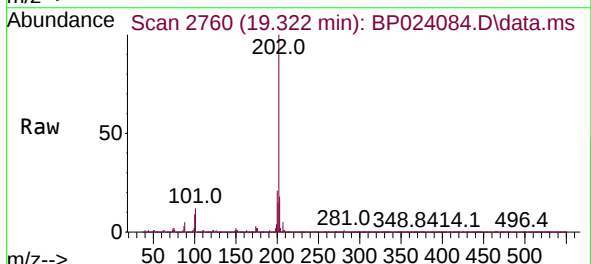
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

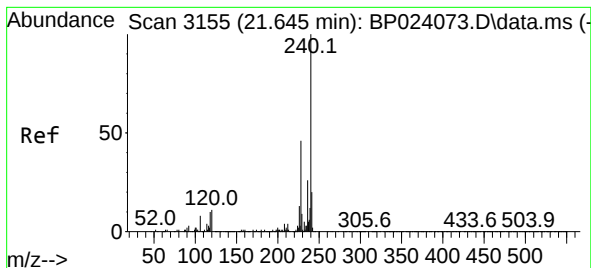
Tgt Ion:149 Resp: 409372  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.4 11.2  
104 5.6 4.2 6.2



#75  
Fluoranthene  
Concen: 4.223 ng  
RT: 19.322 min Scan# 2760  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:202 Resp: 471168  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 31.9  
203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.645 min Scan# 3155

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

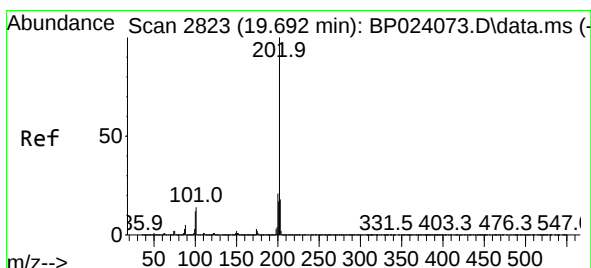
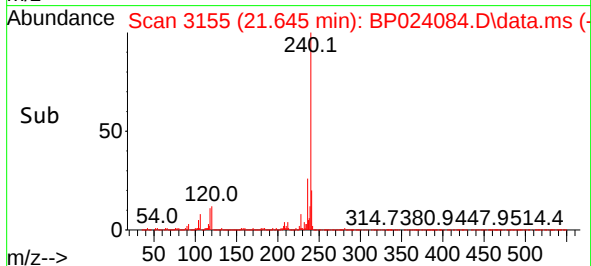
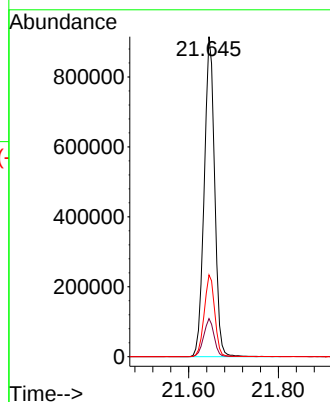
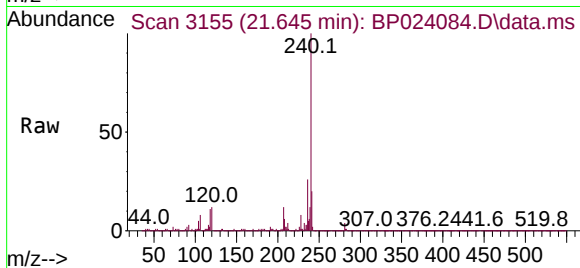
Tgt Ion:240 Resp: 1475565

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

236 25.6 20.7 31.1



#78

Pyrene

Concen: 5.318 ng

RT: 19.698 min Scan# 2824

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

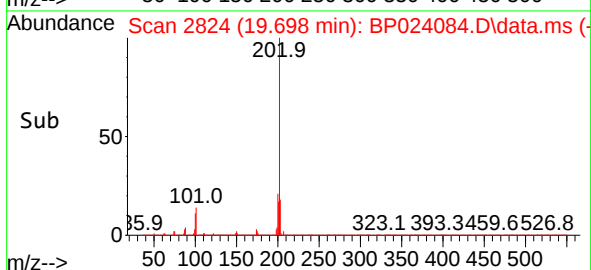
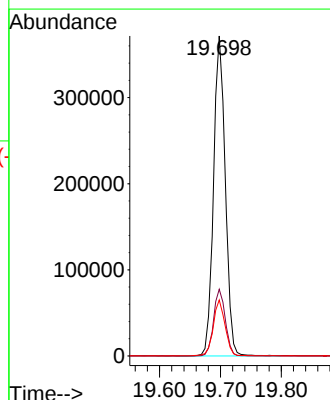
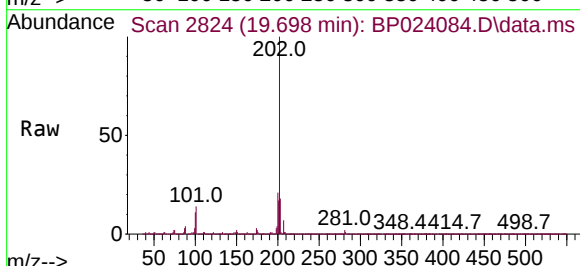
Tgt Ion:202 Resp: 498449

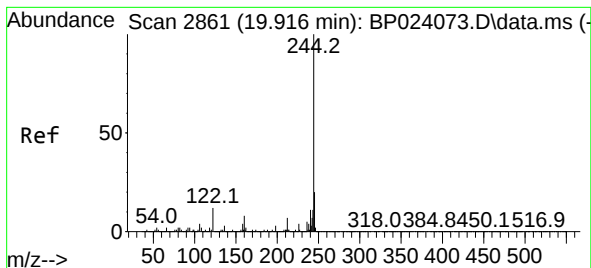
Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 17.5 14.4 21.6





#79

Terphenyl-d14

Concen: 82.743 ng

RT: 19.922 min Scan# 2862

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

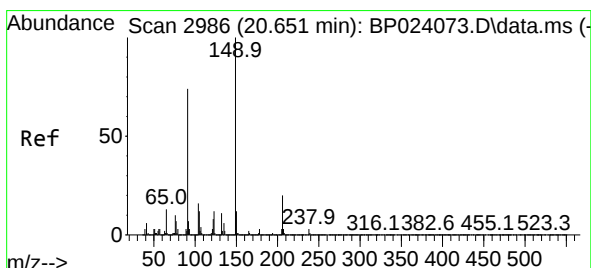
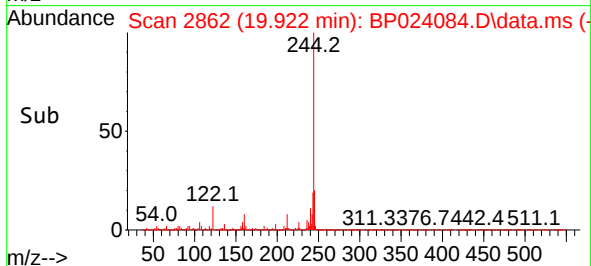
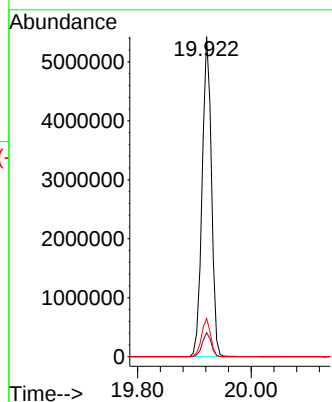
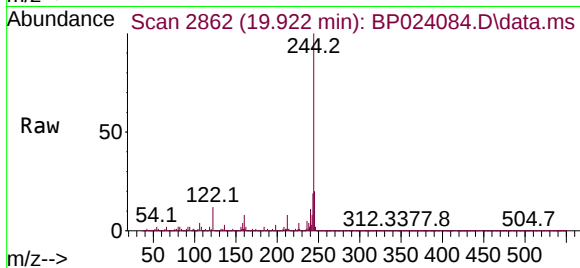
Tgt Ion:244 Resp: 6170236

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

122 12.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 3.851 ng

RT: 20.657 min Scan# 2987

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

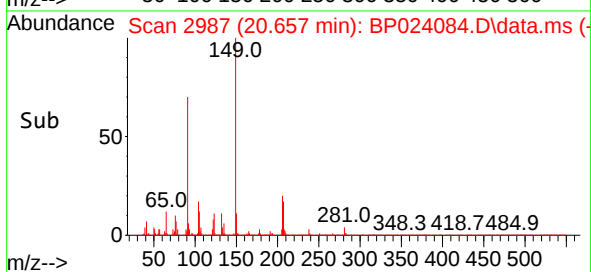
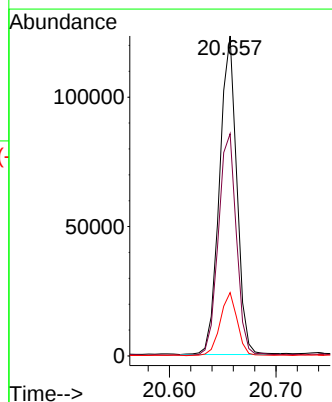
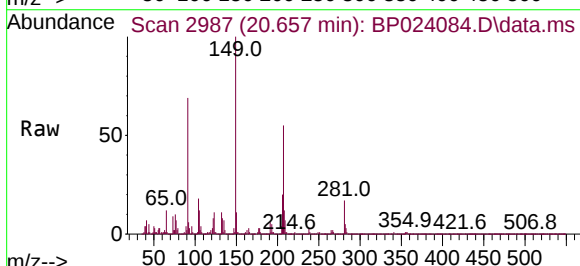
Tgt Ion:149 Resp: 138322

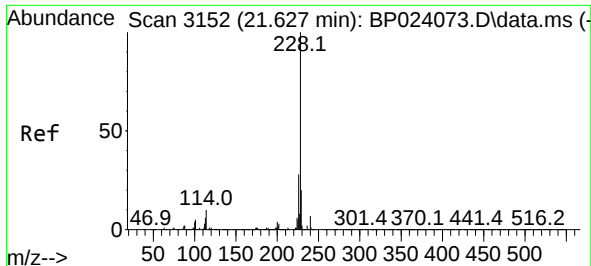
Ion Ratio Lower Upper

149 100

91 69.5 59.4 89.0

206 19.8 16.2 24.2

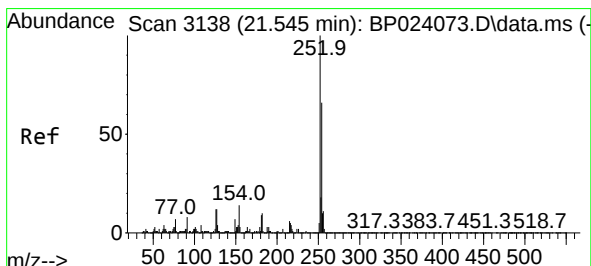
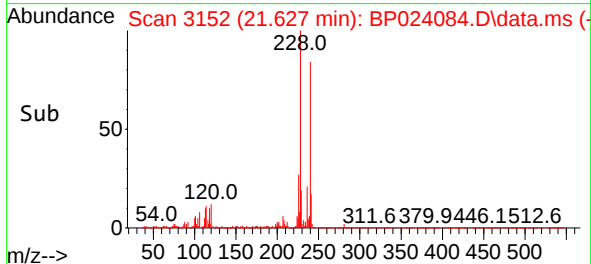
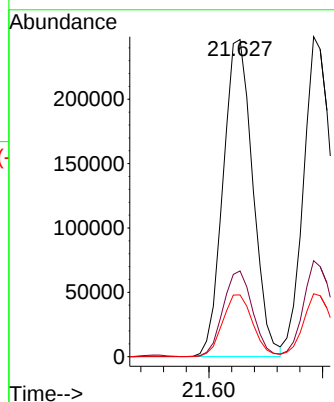
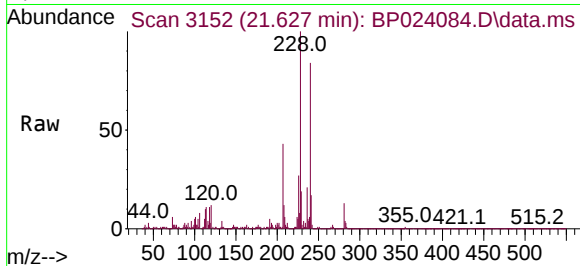




#81  
Benzo(a)anthracene  
Concen: 4.842 ng  
RT: 21.627 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

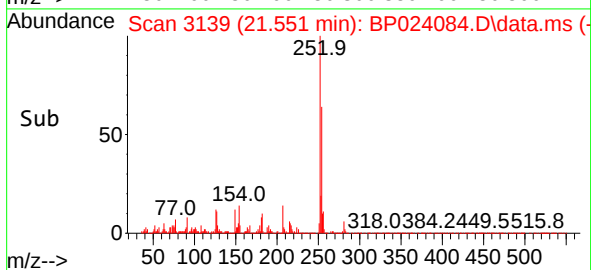
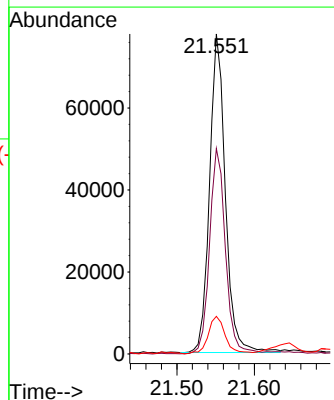
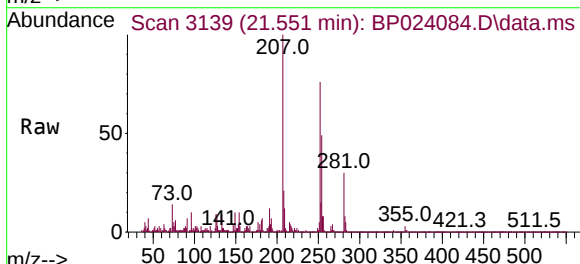
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

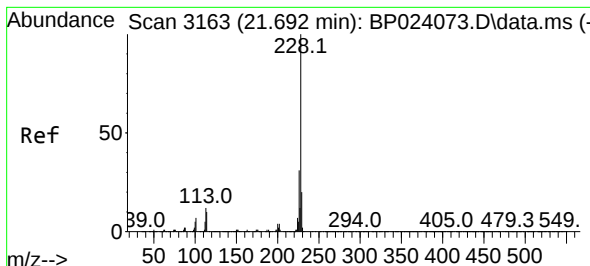
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 447962 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.1  | 22.2  | 33.4   |
| 229       | 19.5  | 15.8  | 23.8   |



#82  
3,3'-Dichlorobenzidine  
Concen: 3.804 ng  
RT: 21.551 min Scan# 3139  
Delta R.T. 0.006 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 109986 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 64.2  | 52.4  | 78.6   |
| 126       | 11.7  | 9.6   | 14.4   |





#83

Chrysene

Concen: 4.820 ng

RT: 21.692 min Scan# 3163

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

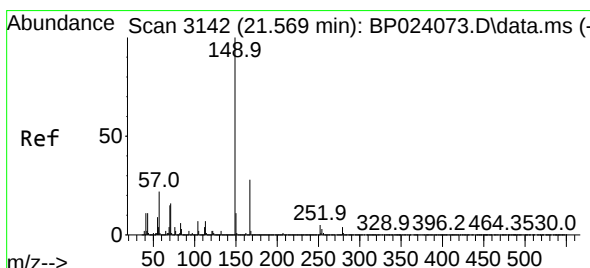
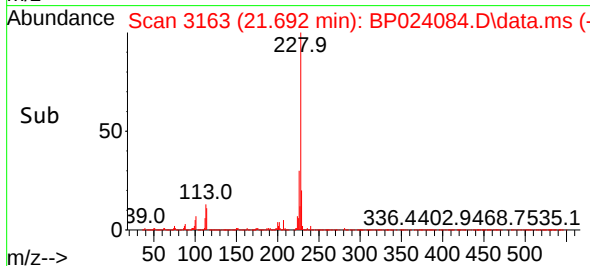
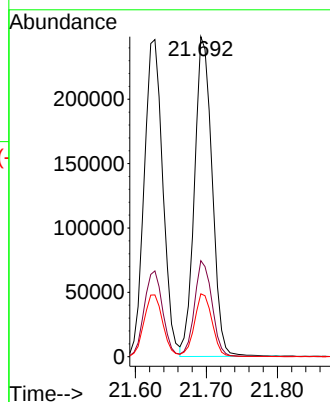
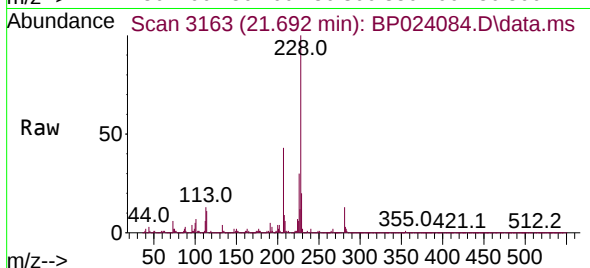
Tgt Ion:228 Resp: 430082

Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.465 ng

RT: 21.569 min Scan# 3142

Delta R.T. -0.000 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

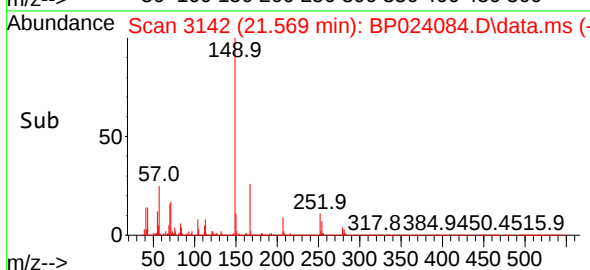
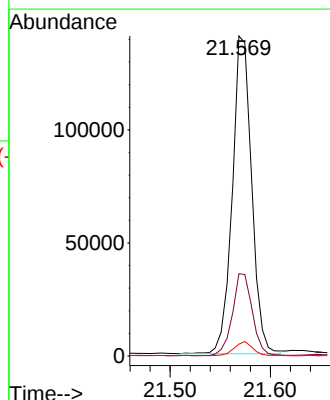
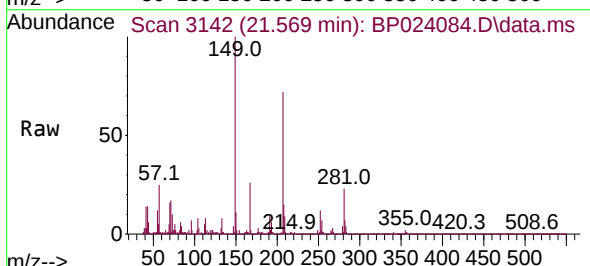
Tgt Ion:149 Resp: 188705

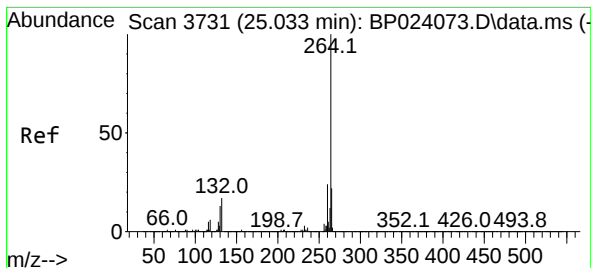
Ion Ratio Lower Upper

149 100

167 25.7 22.2 33.2

279 3.7 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.039 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

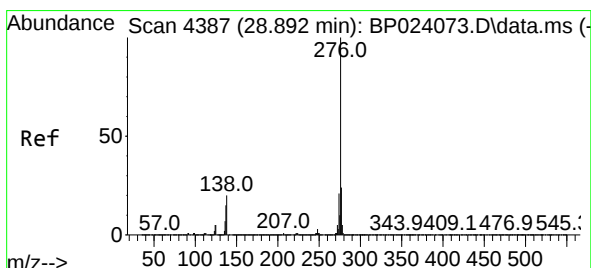
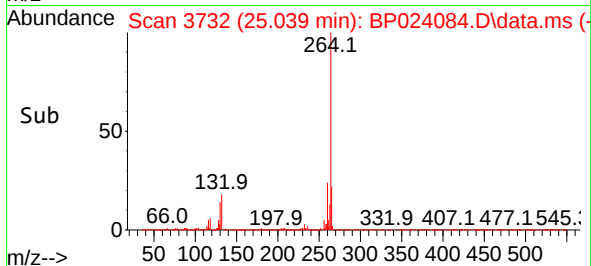
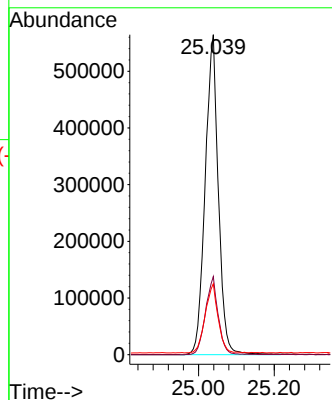
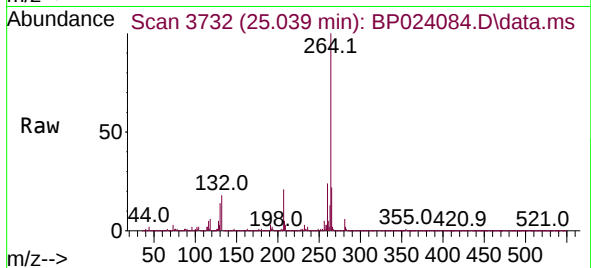
Tgt Ion:264 Resp: 1355182

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 22.2 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.394 ng

RT: 28.874 min Scan# 4384

Delta R.T. -0.018 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

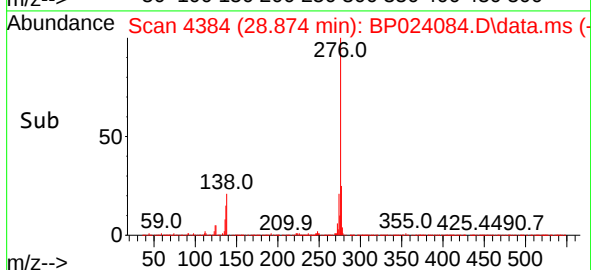
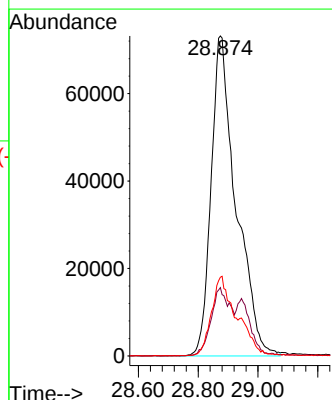
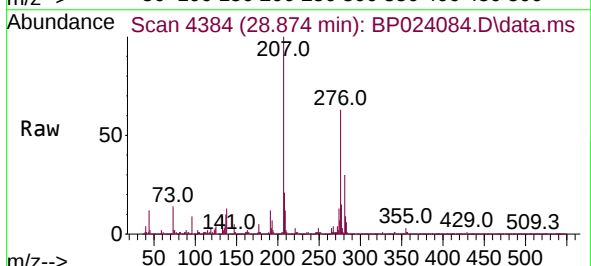
Tgt Ion:276 Resp: 423634

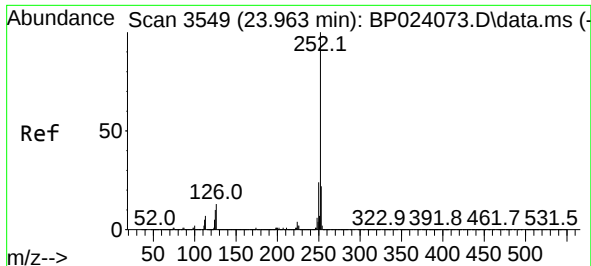
Ion Ratio Lower Upper

276 100

138 16.5 14.2 21.4

277 19.6 16.2 24.4

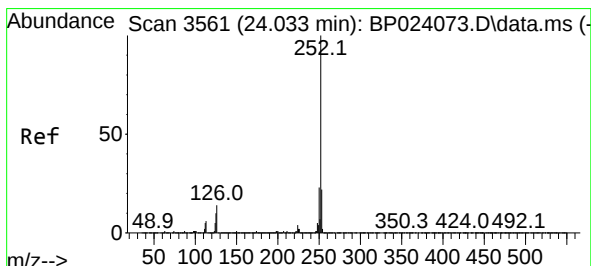
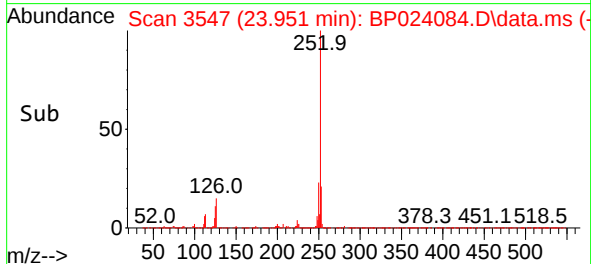
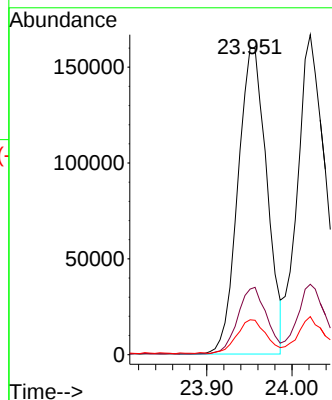
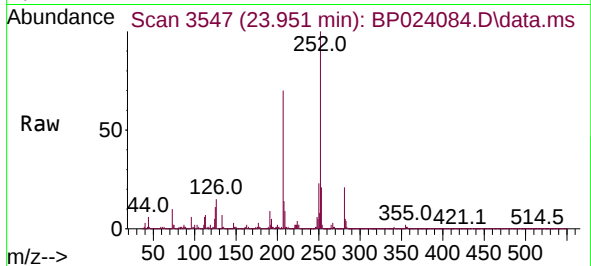




#88  
Benzo(b)fluoranthene  
Concen: 4.384 ng  
RT: 23.951 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

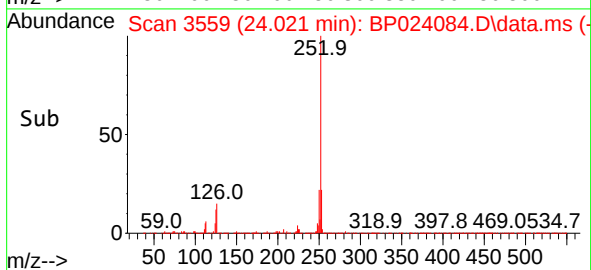
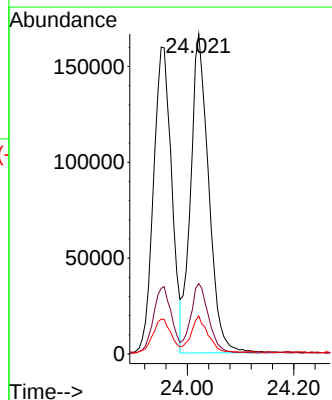
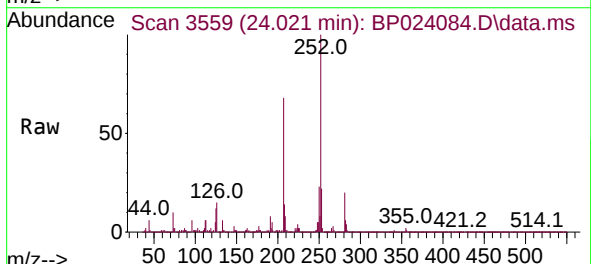
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT1-2025

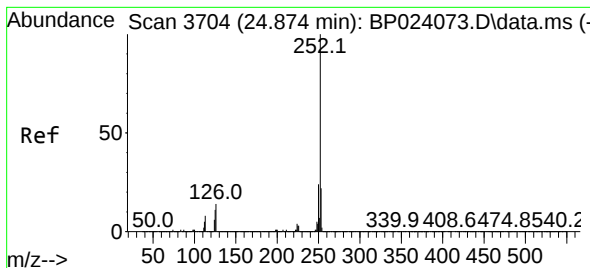
Tgt Ion:252 Resp: 377257  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.8 26.6  
125 11.4 8.4 12.6



#89  
Benzo(k)fluoranthene  
Concen: 4.675 ng  
RT: 24.021 min Scan# 3559  
Delta R.T. -0.012 min  
Lab File: BP024084.D  
Acq: 18 Feb 2025 14:34

Tgt Ion:252 Resp: 391597  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 11.9 8.1 12.1





#90

Benzo(a)pyrene

Concen: 4.531 ng

RT: 24.880 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025

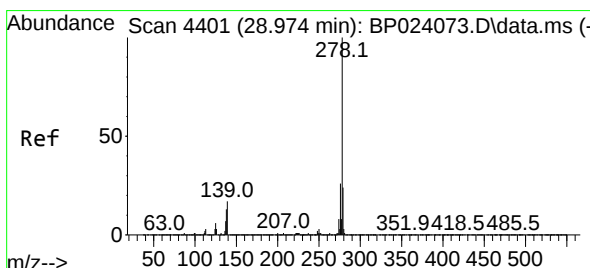
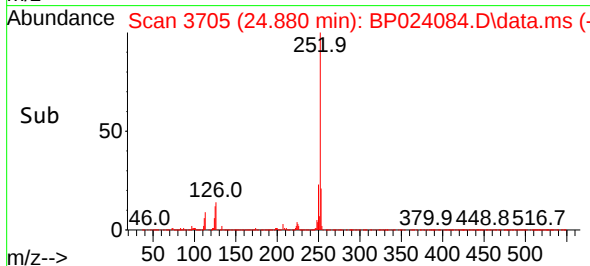
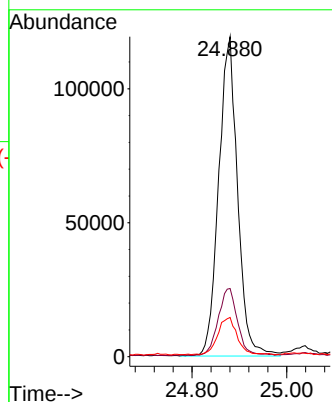
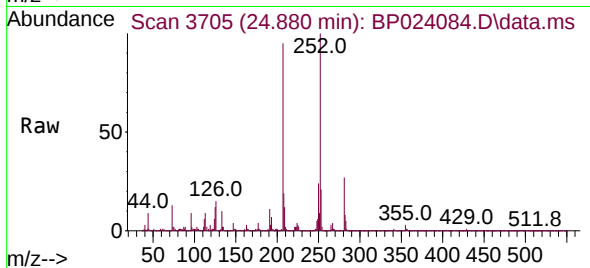
Tgt Ion:252 Resp: 330916

Ion Ratio Lower Upper

252 100

253 21.3 17.6 26.4

125 12.2 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 4.406 ng

RT: 28.951 min Scan# 4397

Delta R.T. -0.024 min

Lab File: BP024084.D

Acq: 18 Feb 2025 14:34

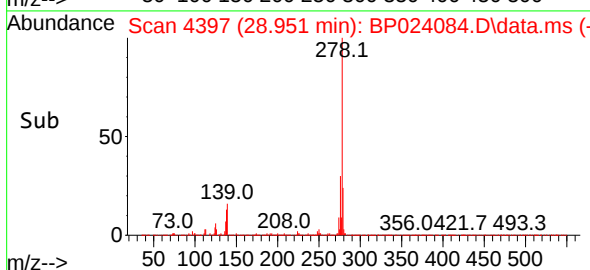
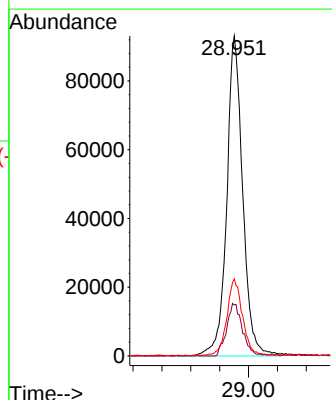
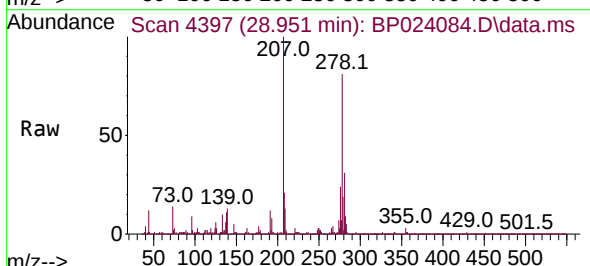
Tgt Ion:278 Resp: 357185

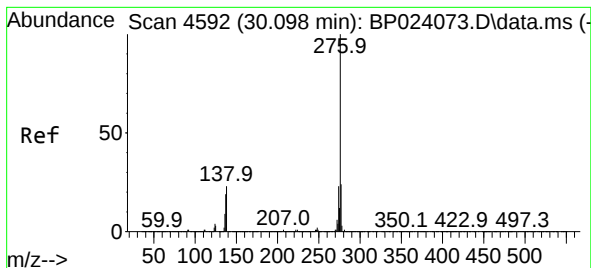
Ion Ratio Lower Upper

278 100

139 16.0 13.4 20.0

279 24.1 19.0 28.4





#92

Benzo(g,h,i)perylene

Concen: 4.571 ng

RT: 30.056 min Scan# 4

Delta R.T. -0.041 min

Lab File: BP024084.D

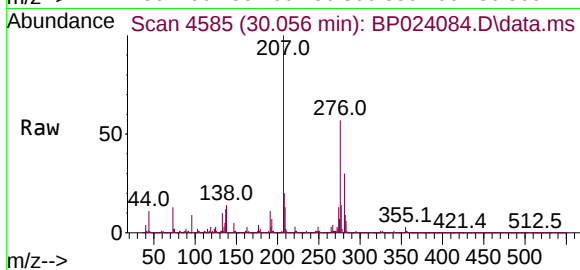
Acq: 18 Feb 2025 14:34

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT1-2025



Tgt Ion:276 Resp: 375982

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 23.8 18.1 27.1

