

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071125\  
 Data File : BP025101.D  
 Acq On : 11 Jul 2025 12:55  
 Operator : CG/JU  
 Sample : Q2126-02  
 Misc : LOQ-SOIL-10 PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 13:16:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 03 16:05:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.402  | 152  | 404330   | 20.000  | ng    | -0.04    |
| 21) Naphthalene-d8            | 10.160 | 136  | 1667537  | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.078 | 164  | 1115773  | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 16.901 | 188  | 2297818  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.354 | 240  | 2630205  | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 24.501 | 264  | 2869219  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.066  | 112  | 2760940  | 120.990 | ng    | -0.03    |
| 7) Phenol-d6                  | 6.596  | 99   | 3585184  | 120.392 | ng    | -0.04    |
| 23) Nitrobenzene-d5           | 8.531  | 82   | 2360862  | 94.156  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol      | 15.613 | 330  | 1952530  | 148.132 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.672 | 172  | 6463334  | 89.738  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.689 | 244  | 10849593 | 90.659  | ng    | 0.02     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.108  | 88   | 86562    | 9.755   | ng    | 99       |
| 3) Pyridine                   | 3.472  | 79   | 231718   | 9.538   | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.384  | 42   | 94157    | 9.154   | ng    | # 97     |
| 6) Aniline                    | 6.749  | 93   | 368298   | 13.237  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.978  | 128  | 254104   | 9.952   | ng    | 97       |
| 9) Benzaldehyde               | 6.560  | 77   | 212317   | 13.652  | ng    | 98       |
| 10) Phenol                    | 6.619  | 94   | 298195   | 9.855   | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.849  | 93   | 233017   | 10.006  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.296  | 146  | 292784   | 10.246  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.437  | 146  | 297419   | 10.280  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.749  | 146  | 282844   | 10.163  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.637  | 79   | 202166   | 10.171  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.937  | 45   | 300486   | 9.924   | ng    | 96       |
| 17) 2-Methylphenol            | 7.837  | 107  | 198840   | 10.202  | ng    | 99       |
| 18) Hexachloroethane          | 8.466  | 117  | 97722    | 10.369  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.196  | 70   | 183142   | 10.370  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.160  | 107  | 268057   | 9.819   | ng    | 97       |
| 22) Acetophenone              | 8.207  | 105  | 390729   | 9.908   | ng    | # 99     |
| 24) Nitrobenzene              | 8.578  | 77   | 262903   | 10.294  | ng    | 97       |
| 25) Isophorone                | 9.107  | 82   | 509556   | 10.874  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.272  | 139  | 116897   | 12.085  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.349  | 122  | 241196   | 13.799  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 9.584  | 93   | 313025   | 9.838   | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 9.807  | 162  | 235204   | 9.704   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.025 | 180  | 271362   | 10.110  | ng    | 97       |
| 31) Naphthalene               | 10.207 | 128  | 826364   | 9.624   | ng    | 99       |
| 32) Benzoic acid              | 9.425  | 122  | 137218   | 13.046  | ng    | 94       |
| 33) 4-Chloroaniline           | 10.307 | 127  | 356672   | 11.131  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.507 | 225  | 157553   | 10.229  | ng    | 98       |
| 35) Caprolactam               | 11.060 | 113  | 80332    | 9.688   | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 11.443 | 107  | 241993   | 9.554   | ng    | 99       |
| 37) 2-Methylnaphthalene       | 11.831 | 142  | 532252   | 8.785   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.060 | 142  | 571846   | 9.678   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.213 | 216  | 306820   | 9.568   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.201 | 237  | 143285   | 17.106  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.460 | 196  | 194285   | 10.006  | ng    | 99       |

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 Sample : Q2126-02  
 Misc : LOQ-SOIL-10 PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

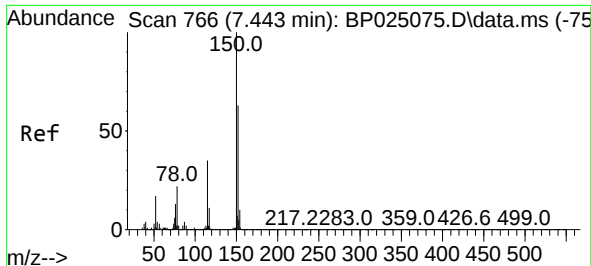
Quant Time: Jul 11 13:16:58 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP070325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 03 16:05:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.531 | 196  | 213119   | 9.685  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 12.884 | 154  | 787634   | 9.702  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 12.913 | 162  | 604509   | 9.907  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.125 | 65   | 137736   | 11.449 | ng    | 96       |
| 49) Acenaphthylene            | 13.790 | 152  | 1005199  | 10.764 | ng    | 99       |
| 50) Dimethylphthalate         | 13.542 | 163  | 780835   | 9.997  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.637 | 165  | 151477   | 9.944  | ng    | 100      |
| 52) Acenaphthene              | 14.142 | 154  | 576243   | 9.573  | ng    | 99       |
| 53) 3-Nitroaniline            | 13.972 | 138  | 172823   | 10.587 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.189 | 184  | 59331    | 12.818 | ng    | 96       |
| 55) Dibenzofuran              | 14.484 | 168  | 969787   | 9.763  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.295 | 139  | 145313   | 9.646  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.448 | 165  | 201063   | 11.137 | ng    | 98       |
| 58) Fluorene                  | 15.148 | 166  | 762863   | 9.929  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.713 | 232  | 203420   | 10.208 | ng    | 97       |
| 60) Diethylphthalate          | 14.948 | 149  | 802250   | 10.227 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.160 | 204  | 381167   | 10.024 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.160 | 138  | 174531   | 10.196 | ng    | 100      |
| 63) Azobenzene                | 15.460 | 77   | 651465   | 9.326  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.231 | 198  | 88750    | 13.080 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.384 | 169  | 670116   | 10.190 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.083 | 248  | 238612   | 10.142 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.183 | 284  | 297141   | 10.333 | ng    | 98       |
| 69) Atrazine                  | 16.383 | 200  | 248369   | 12.889 | ng    | 98       |
| 70) Pentachlorophenol         | 16.542 | 266  | 180546   | 9.296  | ng    | 99       |
| 71) Phenanthrene              | 16.942 | 178  | 1255742  | 10.227 | ng    | 99       |
| 72) Anthracene                | 17.048 | 178  | 1240984  | 10.535 | ng    | 99       |
| 73) Carbazole                 | 17.325 | 167  | 1188112  | 10.316 | ng    | 99       |
| 74) Di-n-butylphthalate       | 17.966 | 149  | 1370946  | 10.689 | ng    | 99       |
| 75) Fluoranthene              | 19.054 | 202  | 1457801  | 10.157 | ng    | 99       |
| 77) Benzidine                 | 19.272 | 184  | 712796   | 15.344 | ng    | 97       |
| 78) Pyrene                    | 19.430 | 202  | 1558552  | 9.567  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.442 | 149  | 609330   | 12.645 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.336 | 228  | 1607141  | 10.083 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.266 | 252  | 560683   | 11.685 | ng    | 99       |
| 83) Chrysene                  | 21.395 | 228  | 1525683  | 9.946  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.342 | 149  | 950464   | 11.117 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.560 | 149  | 1492309  | 14.408 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.030 | 276  | 1884997  | 10.313 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.513 | 252  | 1584197  | 9.486  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.577 | 252  | 1569639  | 9.446  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.354 | 252  | 1497686  | 10.537 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.106 | 278  | 1535044  | 10.160 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.112 | 276  | 1517980  | 9.726  | ng    | 98       |

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

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
LOQ-SOIL-02-QT2-2025

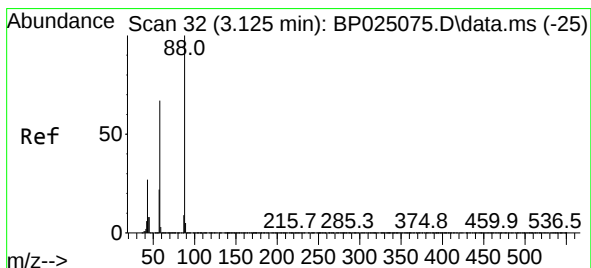
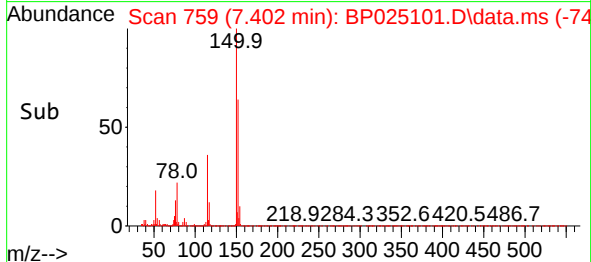
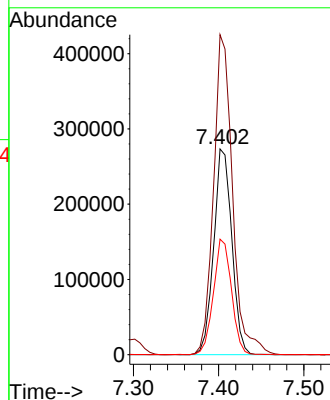
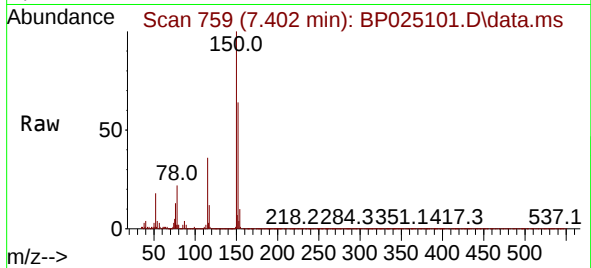
[illegible]



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.402 min Scan# 7  
 Delta R.T. -0.041 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

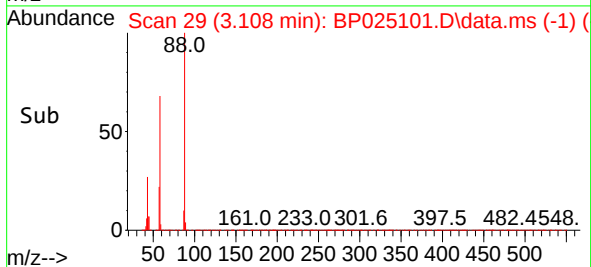
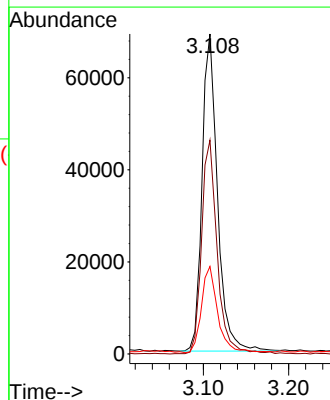
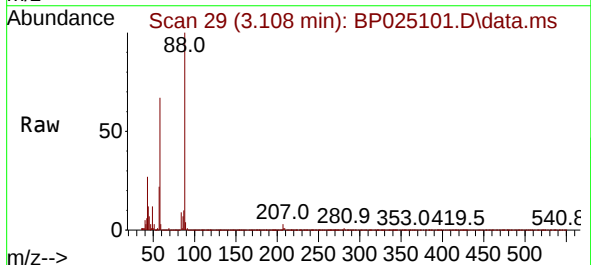
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

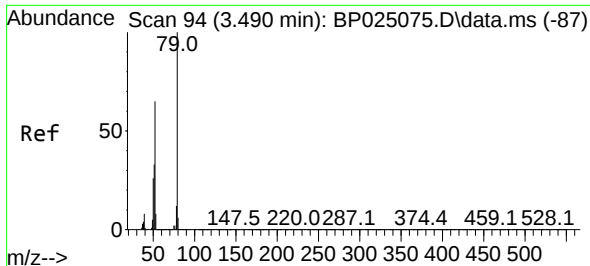
Tgt Ion:152 Resp: 404330  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 126.1 189.1  
 115 56.1 44.3 66.5



#2  
 1,4-Dioxane  
 Concen: 9.755 ng  
 RT: 3.108 min Scan# 29  
 Delta R.T. -0.018 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

Tgt Ion: 88 Resp: 86562  
 Ion Ratio Lower Upper  
 88 100  
 58 68.4 55.0 82.4  
 43 28.7 21.9 32.9

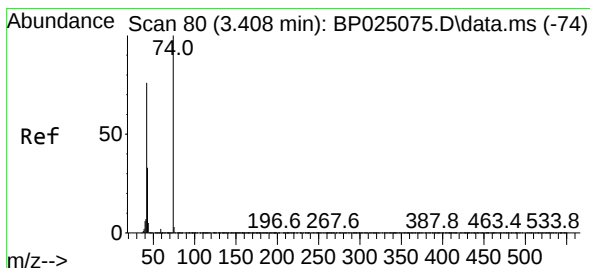
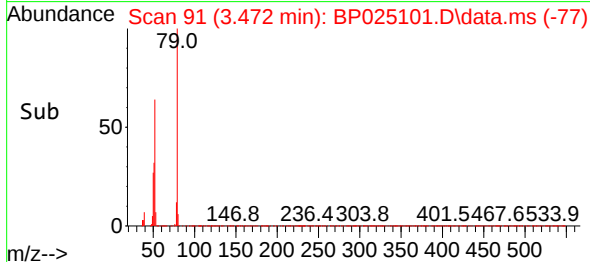
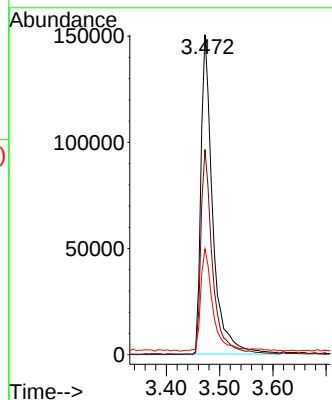
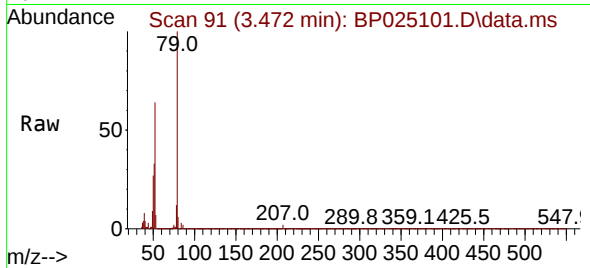




#3  
 Pyridine  
 Concen: 9.538 ng  
 RT: 3.472 min Scan# 91  
 Delta R.T. -0.018 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

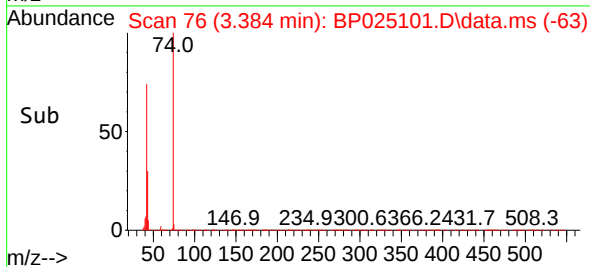
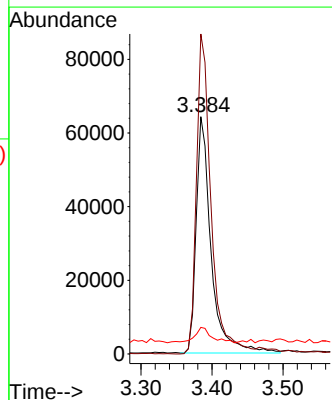
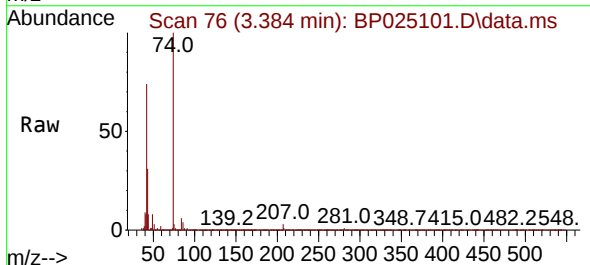
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

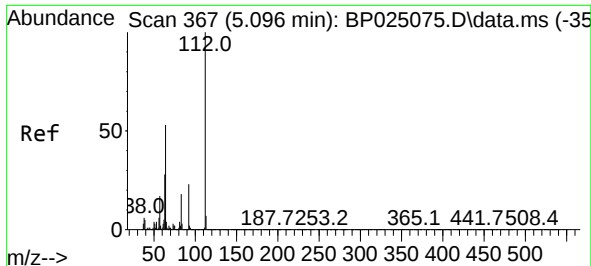
Tgt Ion: 79 Resp: 231718  
 Ion Ratio Lower Upper  
 79 100  
 52 64.1 52.2 78.4  
 51 33.0 26.8 40.2



#4  
 n-Nitrosodimethylamine  
 Concen: 9.154 ng  
 RT: 3.384 min Scan# 76  
 Delta R.T. -0.023 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

Tgt Ion: 42 Resp: 94157  
 Ion Ratio Lower Upper  
 42 100  
 74 134.9 105.2 157.8  
 44 11.2 6.6 9.8

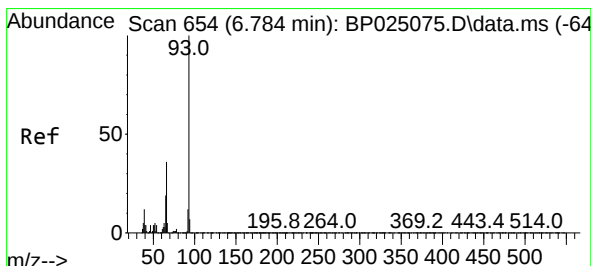
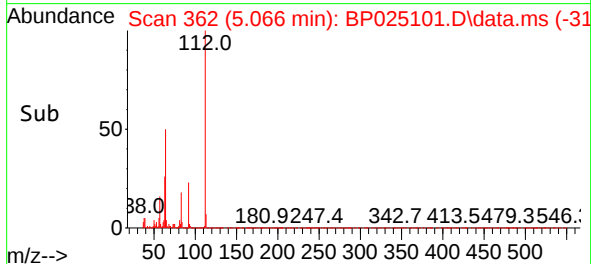
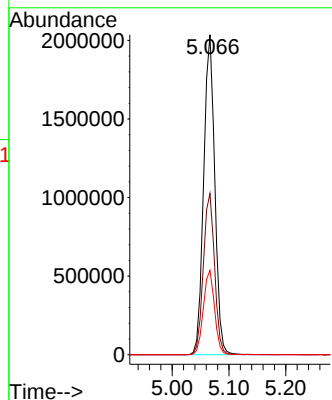
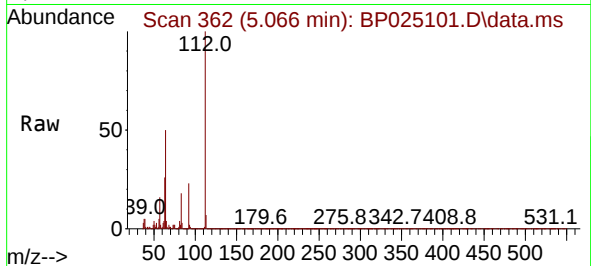




#5  
2-Fluorophenol  
Concen: 120.990 ng  
RT: 5.066 min Scan# 30  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

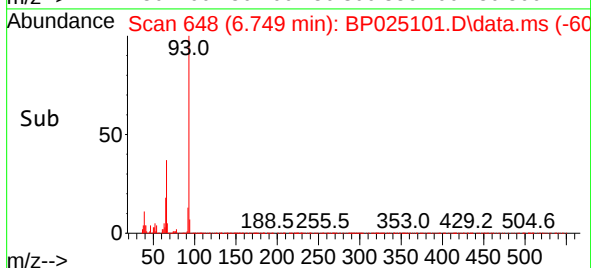
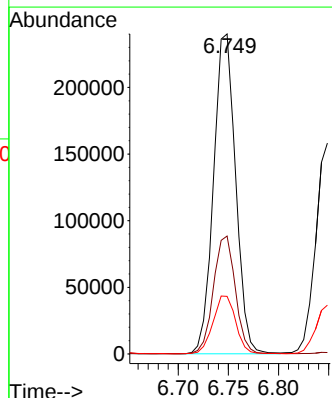
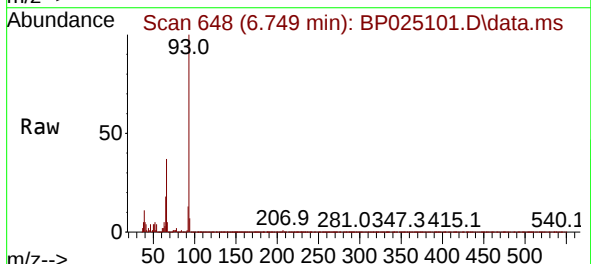
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

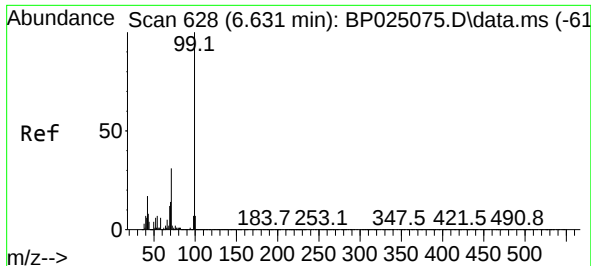
Tgt Ion:112 Resp: 2760940  
Ion Ratio Lower Upper  
112 100  
64 50.3 42.0 63.0  
63 26.4 22.2 33.2



#6  
Aniline  
Concen: 13.237 ng  
RT: 6.749 min Scan# 648  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion: 93 Resp: 368298  
Ion Ratio Lower Upper  
93 100  
66 36.8 28.9 43.3  
65 18.0 15.2 22.8



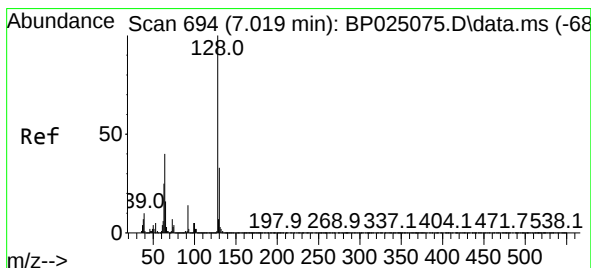
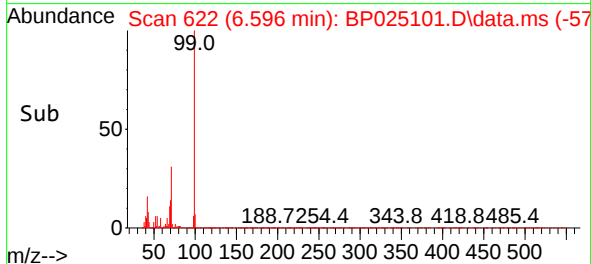
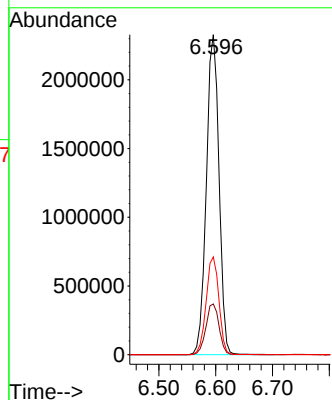
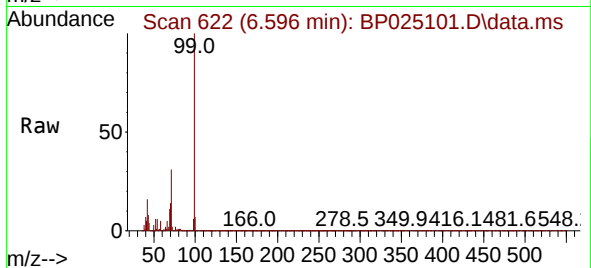


#7  
Phenol-d6  
Concen: 120.392 ng  
RT: 6.596 min Scan# 61  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

Tgt Ion: 99 Resp: 3585184

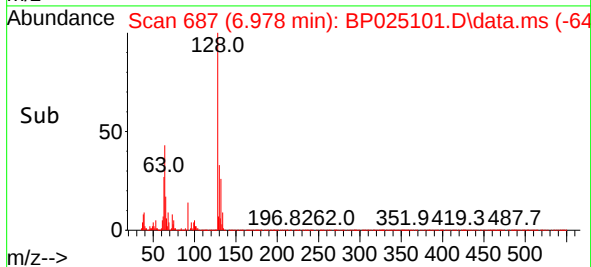
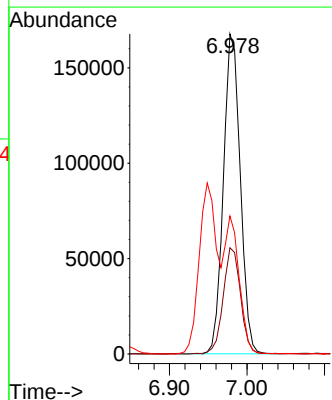
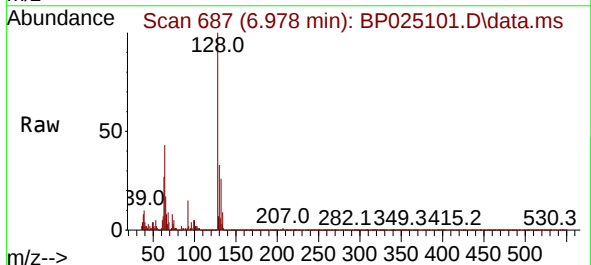
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|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.8  | 13.6  | 20.4  |
| 71  | 30.5  | 24.4  | 36.6  |

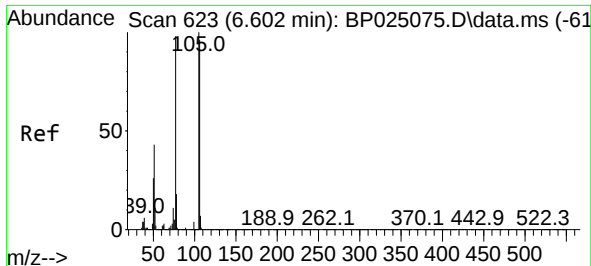


#8  
2-Chlorophenol  
Concen: 9.952 ng  
RT: 6.978 min Scan# 687  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion: 128 Resp: 254104

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.2  | 12.9  | 52.9  |
| 64  | 43.1  | 20.3  | 60.3  |

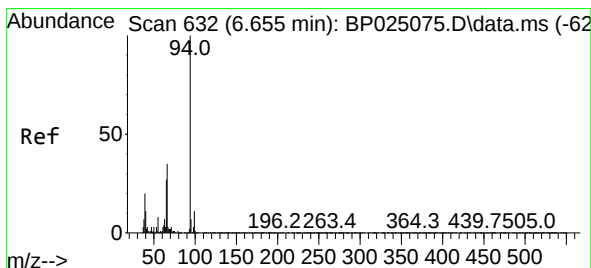
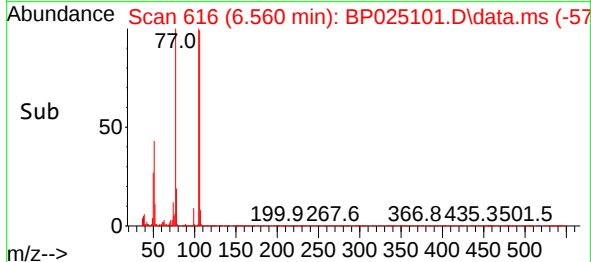
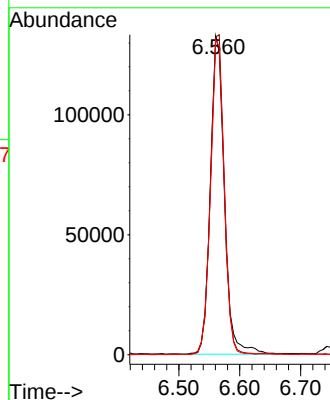
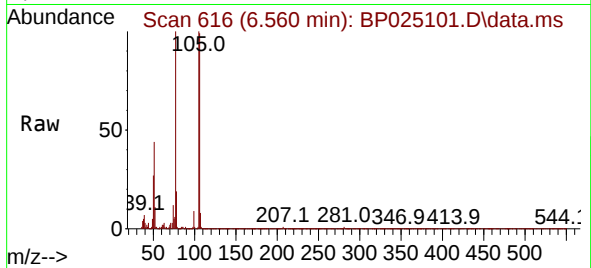




#9  
Benzaldehyde  
Concen: 13.652 ng  
RT: 6.560 min Scan# 61  
Delta R.T. -0.042 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

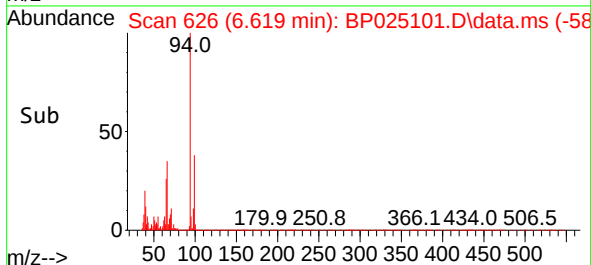
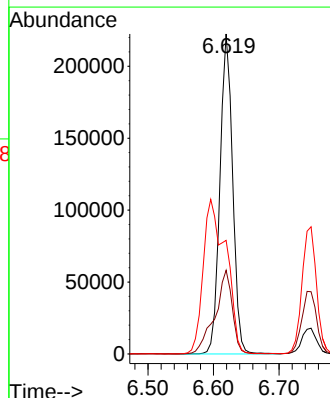
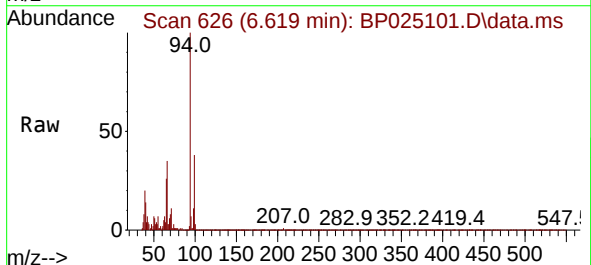
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

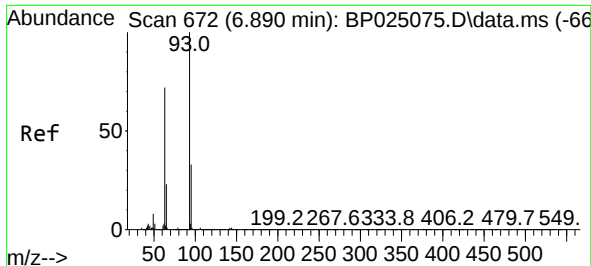
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 212317 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 105      | 99.6  | 82.4  | 122.4  |
| 106      | 98.7  | 78.3  | 118.3  |



#10  
Phenol  
Concen: 9.855 ng  
RT: 6.619 min Scan# 626  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 298195 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 26.2  | 6.9   | 46.9   |
| 66       | 35.5  | 14.6  | 54.6   |

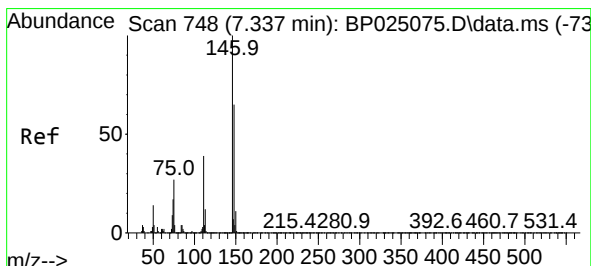
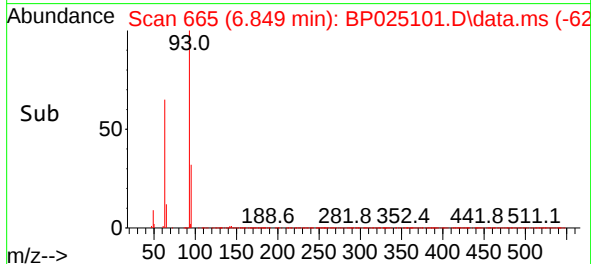
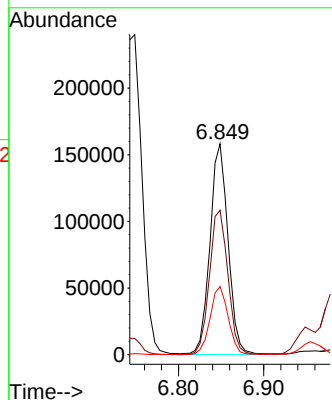
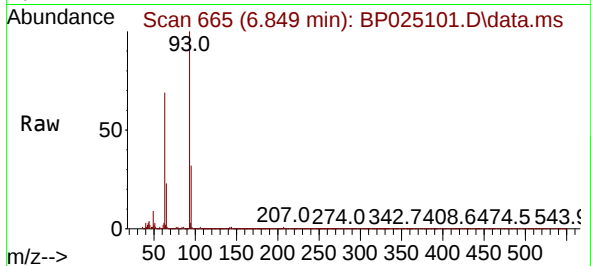




#11  
bis(2-Chloroethyl)ether  
Concen: 10.006 ng  
RT: 6.849 min Scan# 60  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

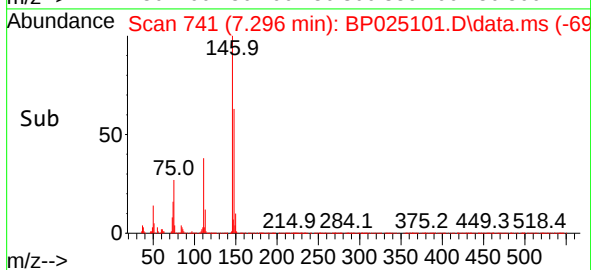
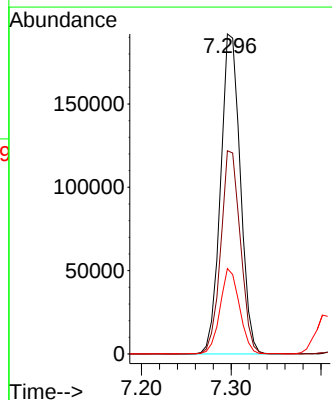
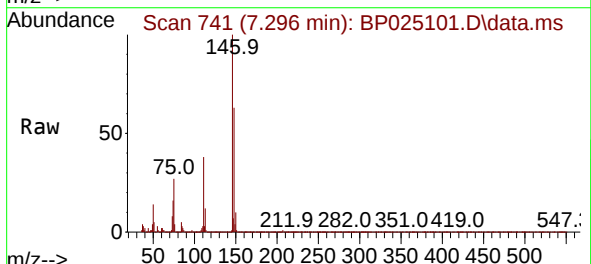
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

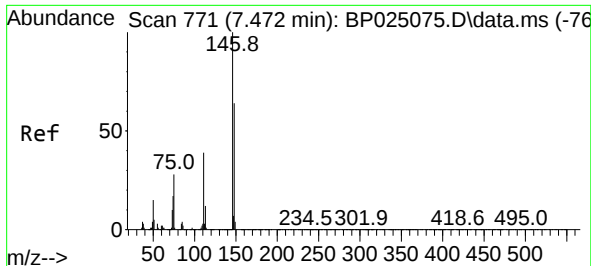
Tgt Ion: 93 Resp: 233017  
Ion Ratio Lower Upper  
93 100  
63 68.5 51.9 91.9  
95 32.3 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 10.246 ng  
RT: 7.296 min Scan# 741  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:146 Resp: 292784  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.9 77.9  
75 26.7 21.8 32.6

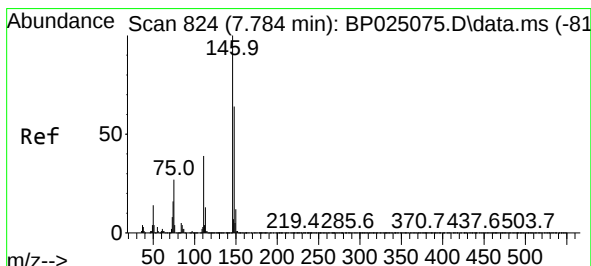
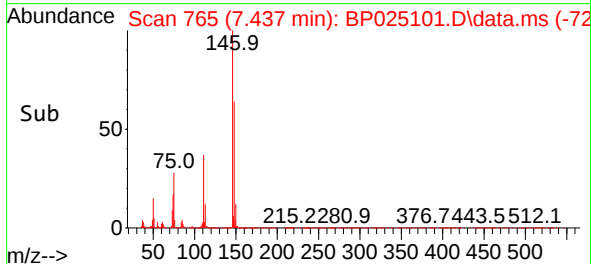
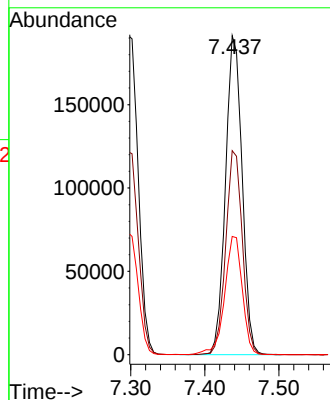
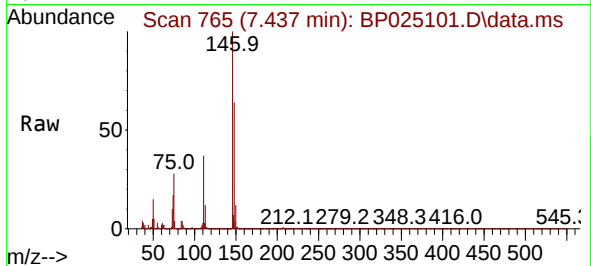




#13  
1,4-Dichlorobenzene  
Concen: 10.280 ng  
RT: 7.437 min Scan# 70  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

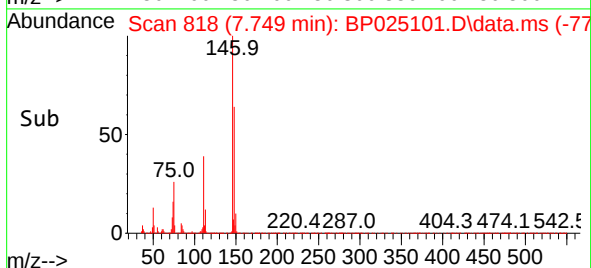
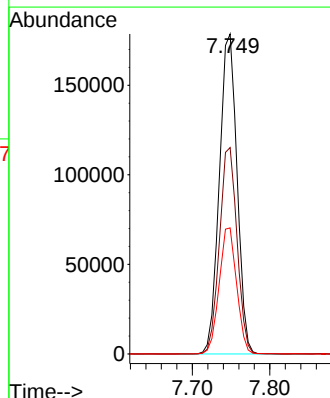
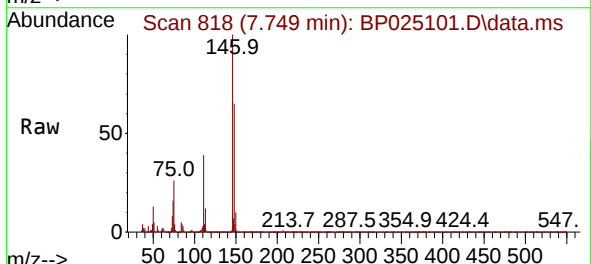
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

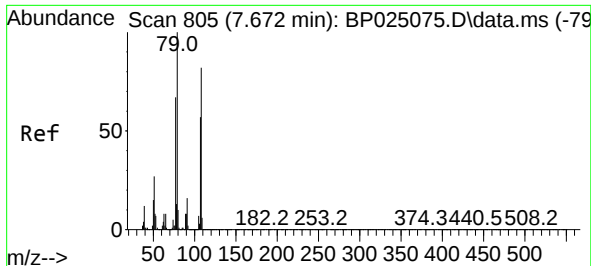
Tgt Ion:146 Resp: 297419  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.1 76.7  
111 37.1 31.2 46.8



#14  
1,2-Dichlorobenzene  
Concen: 10.163 ng  
RT: 7.749 min Scan# 818  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:146 Resp: 282844  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.1 76.7  
111 39.4 31.2 46.8

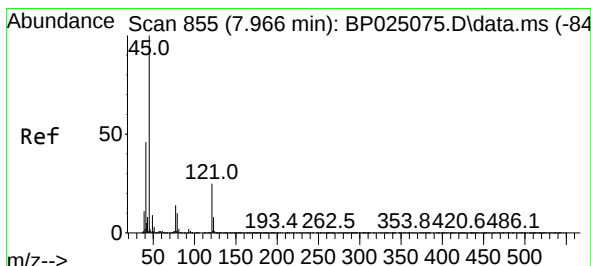
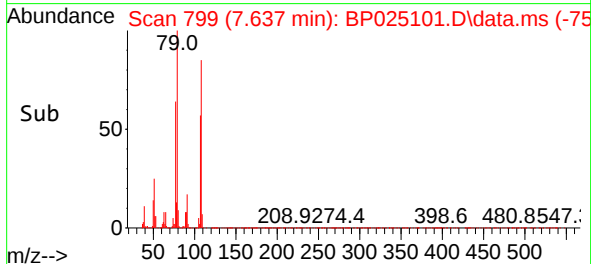
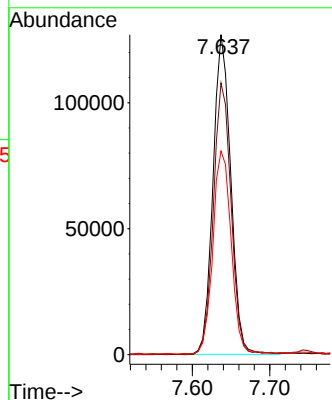
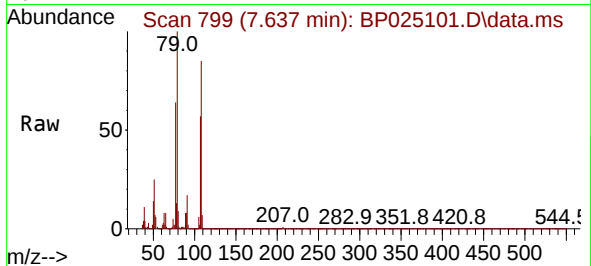




#15  
Benzyl Alcohol  
Concen: 10.171 ng  
RT: 7.637 min Scan# 79  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

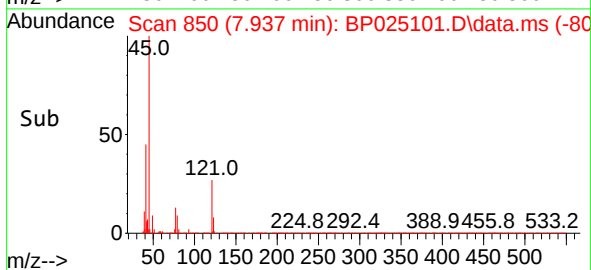
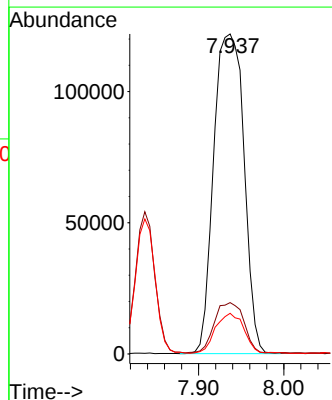
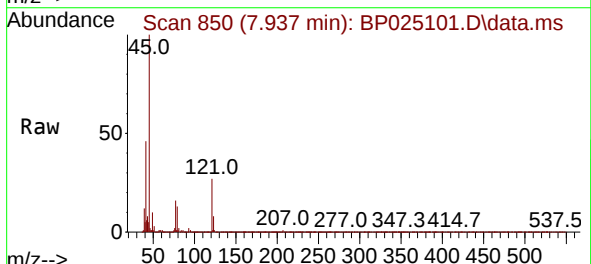
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

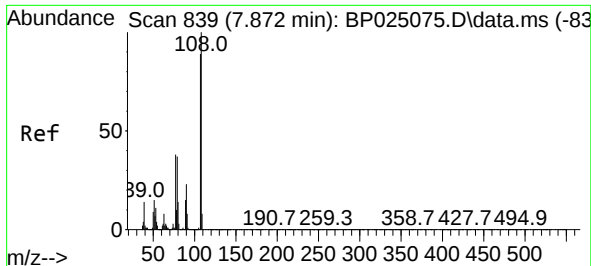
Tgt Ion: 79 Resp: 202166  
Ion Ratio Lower Upper  
79 100  
108 84.9 66.0 99.0  
77 63.6 53.4 80.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 9.924 ng  
RT: 7.937 min Scan# 850  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion: 45 Resp: 300486  
Ion Ratio Lower Upper  
45 100  
77 16.1 0.0 34.8  
79 12.7 0.0 30.7

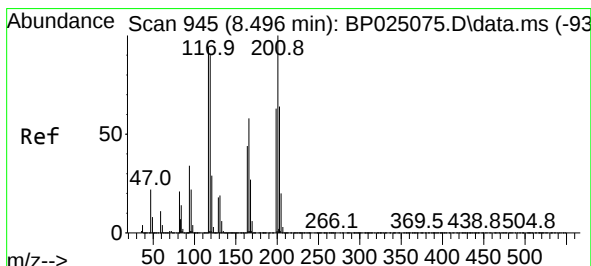
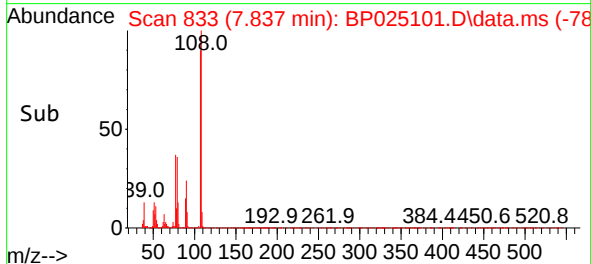
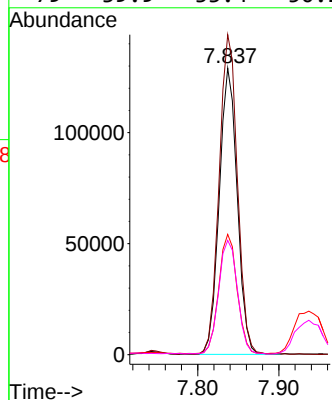
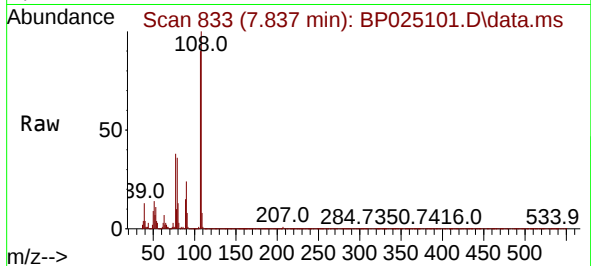




#17  
2-Methylphenol  
Concen: 10.202 ng  
RT: 7.837 min Scan# 811  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

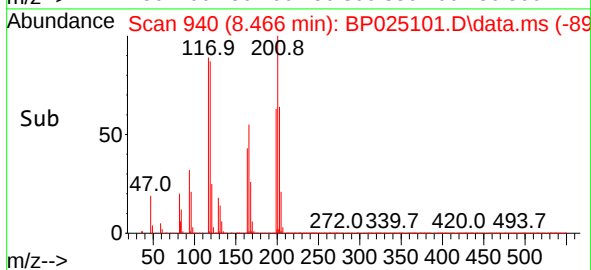
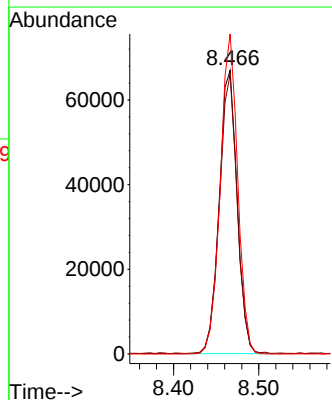
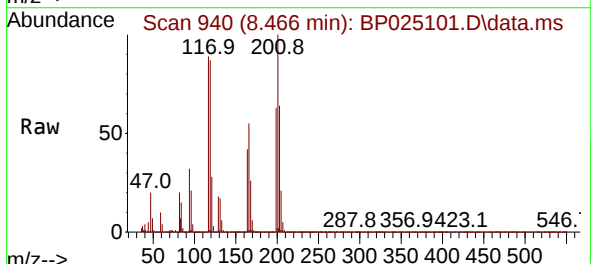
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

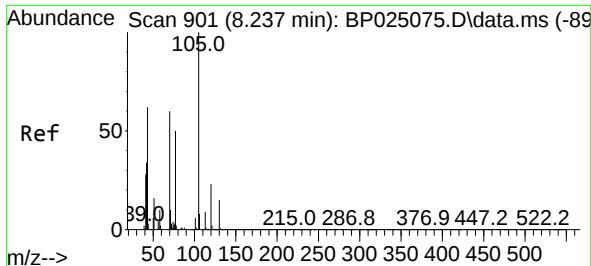
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 198840 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.7 | 89.7  | 134.5  |
| 77       | 42.0  | 34.2  | 51.4   |
| 79       | 39.9  | 33.4  | 50.2   |



#18  
Hexachloroethane  
Concen: 10.369 ng  
RT: 8.466 min Scan# 940  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 97722 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.6  | 76.6  | 115.0 |
| 201      | 112.8 | 85.4  | 128.2 |

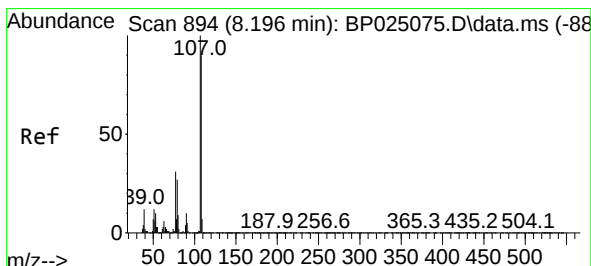
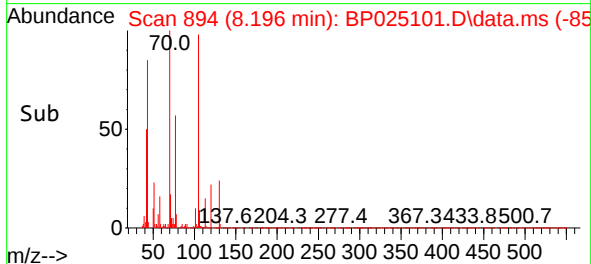
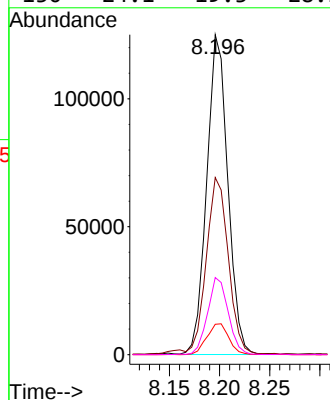
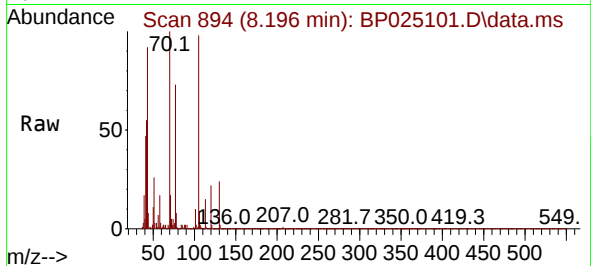




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.370 ng  
RT: 8.196 min Scan# 894  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

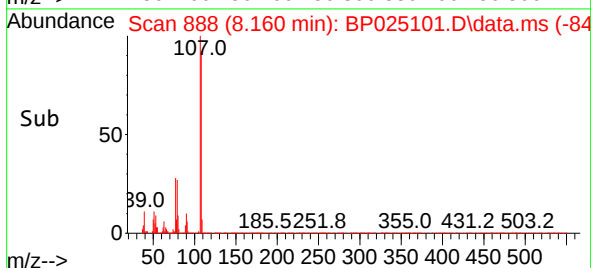
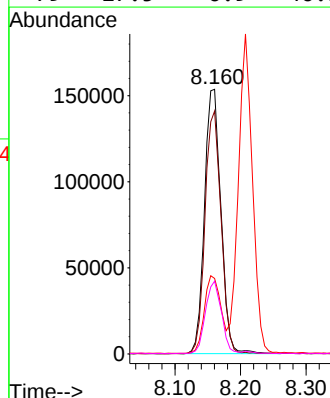
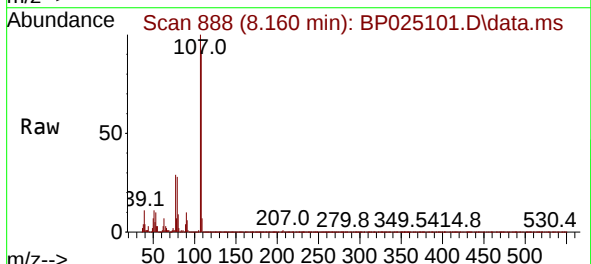
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

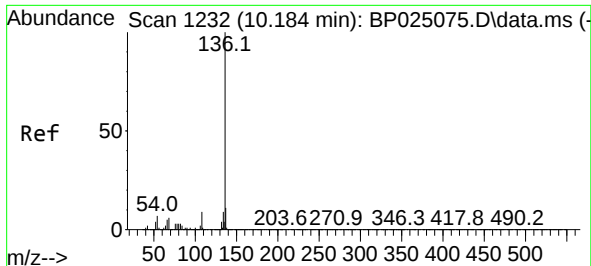
|             |              |
|-------------|--------------|
| Tgt Ion: 70 | Resp: 183142 |
| Ion Ratio   | Lower Upper  |
| 70 100      |              |
| 42 55.3     | 46.5 69.7    |
| 101 9.5     | 7.9 11.9     |
| 130 24.1    | 19.3 28.9    |



#20  
3+4-Methylphenols  
Concen: 9.819 ng  
RT: 8.160 min Scan# 888  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:107 | Resp: | 268057 |
| Ion | Ratio   | Lower | Upper  |
| 107 | 100     |       |        |
| 108 | 91.8    | 69.5  | 109.5  |
| 77  | 28.5    | 11.4  | 51.4   |
| 79  | 27.5    | 6.9   | 46.9   |



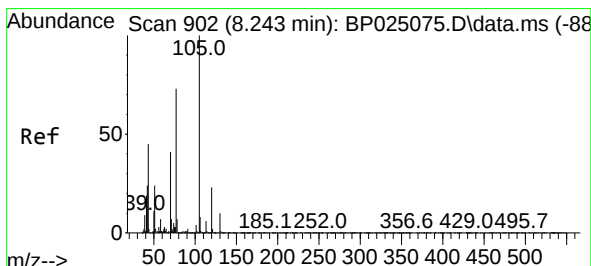
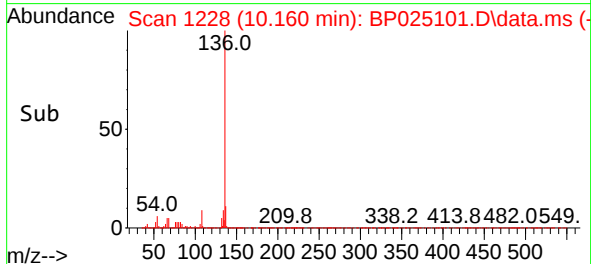
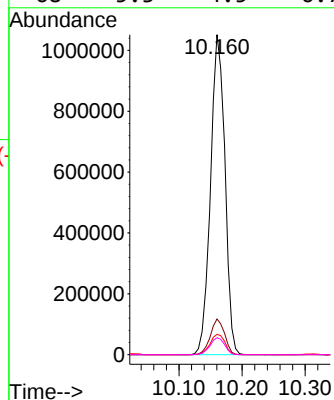
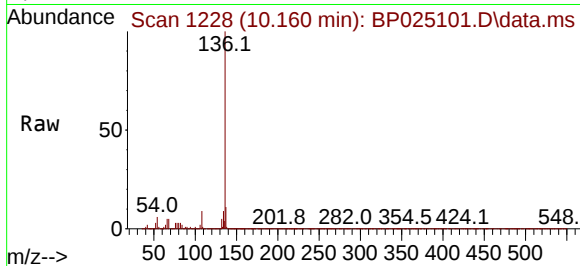


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.160 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

Tgt Ion:136 Resp: 1667537

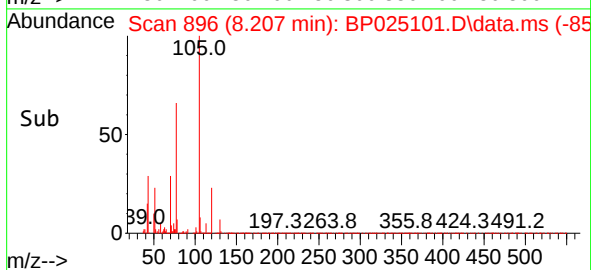
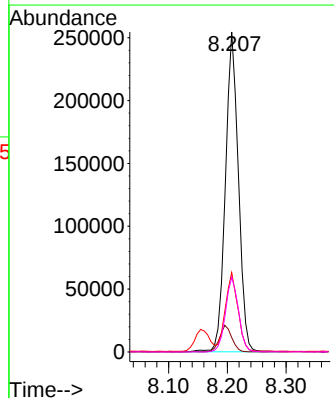
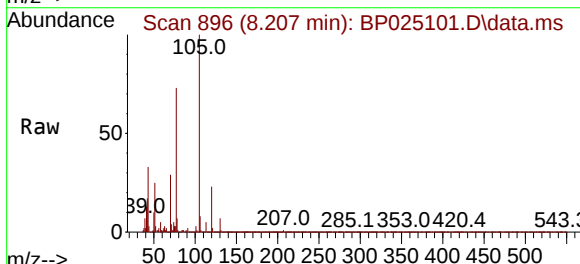
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.7   | 13.1  |
| 54  | 6.4   | 5.4   | 8.2   |
| 68  | 5.3   | 4.5   | 6.7   |

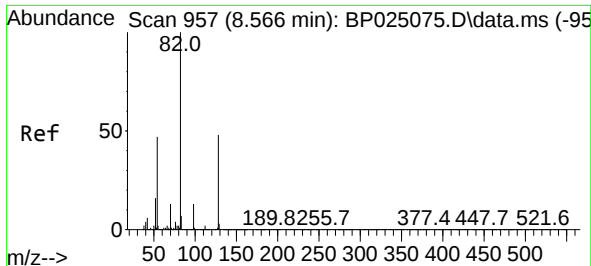


#22  
Acetophenone  
Concen: 9.908 ng  
RT: 8.207 min Scan# 896  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:105 Resp: 390729

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 4.5   | 5.4   | 8.2#  |
| 51  | 24.8  | 19.6  | 29.4  |
| 120 | 23.3  | 18.8  | 28.2  |

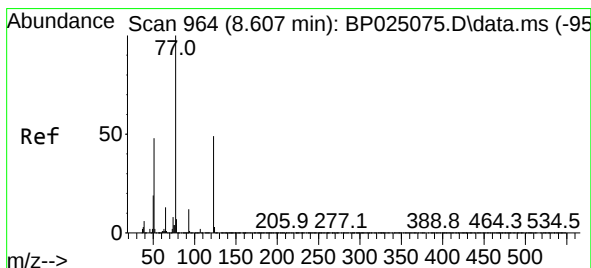
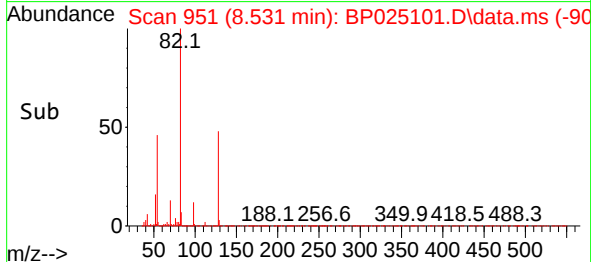
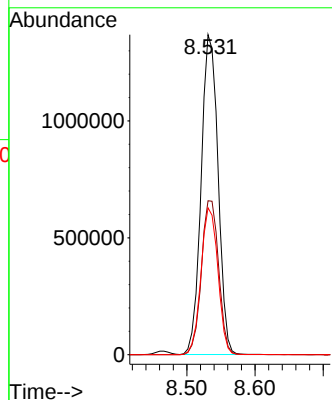
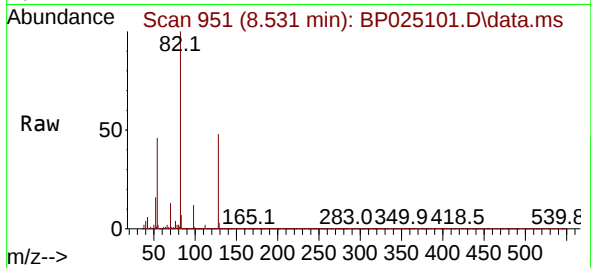




#23  
Nitrobenzene-d5  
Concen: 94.156 ng  
RT: 8.531 min Scan# 91  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

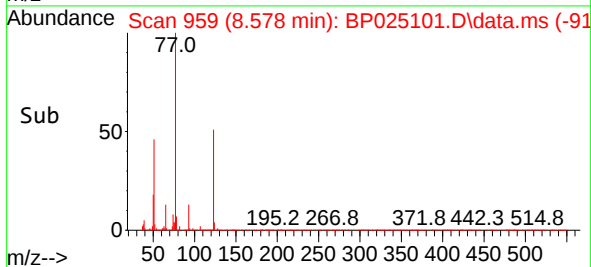
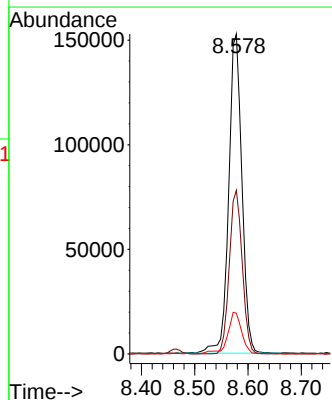
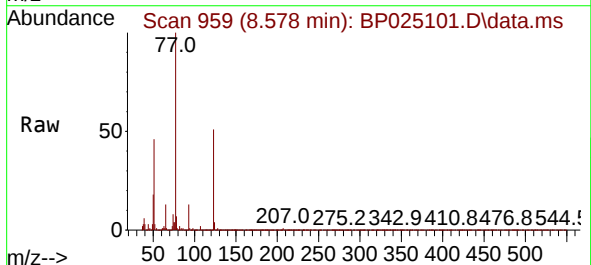
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

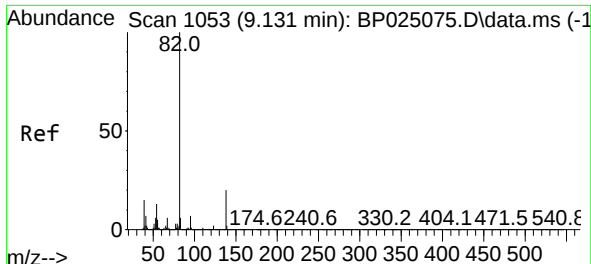
Tgt Ion: 82 Resp: 2360862  
Ion Ratio Lower Upper  
82 100  
128 48.1 38.4 57.6  
54 45.9 37.8 56.6



#24  
Nitrobenzene  
Concen: 10.294 ng  
RT: 8.578 min Scan# 959  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion: 77 Resp: 262903  
Ion Ratio Lower Upper  
77 100  
123 51.1 39.0 58.6  
65 12.7 10.7 16.1

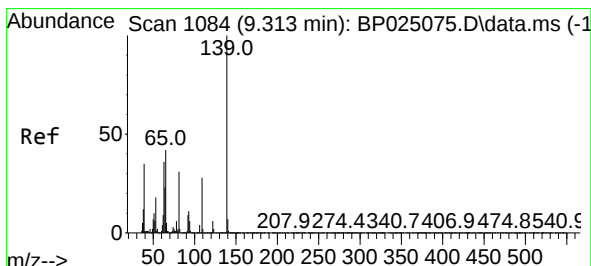
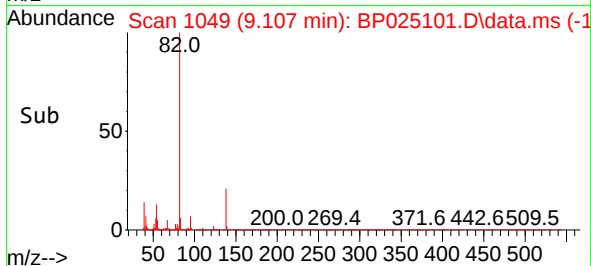
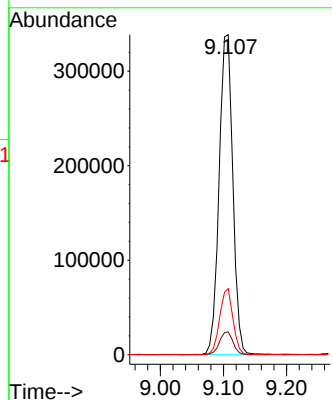
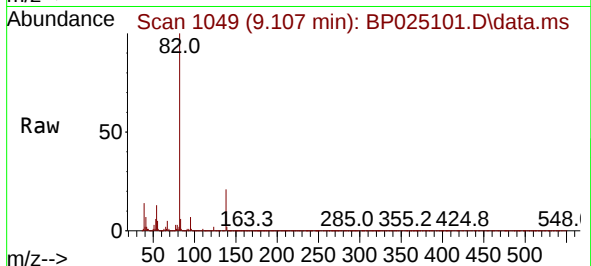




#25  
Isophorone  
Concen: 10.874 ng  
RT: 9.107 min Scan# 1049  
Delta R.T. -0.024 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

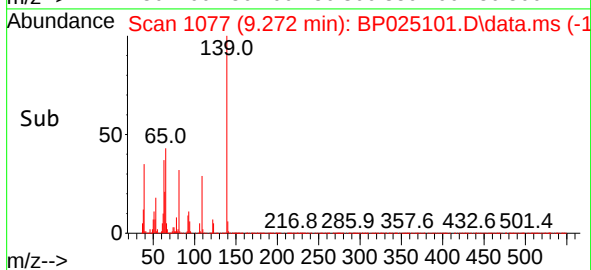
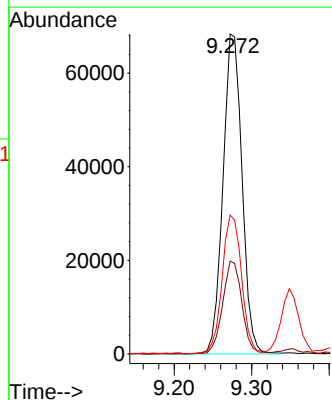
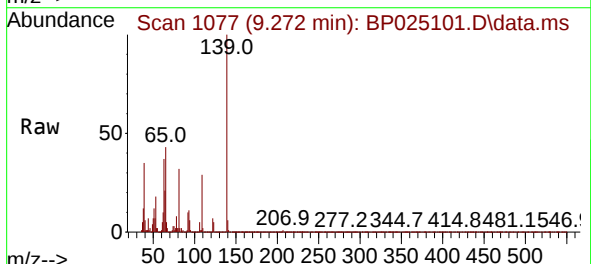
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

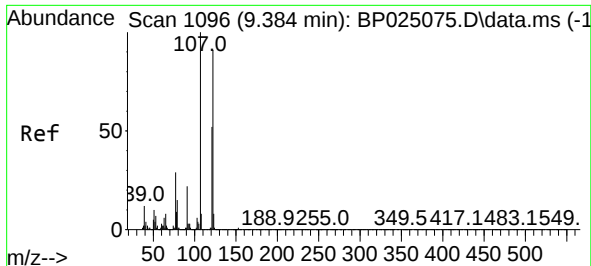
Tgt Ion: 82 Resp: 509556  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.8 8.6  
138 20.7 15.7 23.5



#26  
2-Nitrophenol  
Concen: 12.085 ng  
RT: 9.272 min Scan# 1077  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion: 139 Resp: 116897  
Ion Ratio Lower Upper  
139 100  
109 29.0 22.3 33.5  
65 43.4 33.8 50.8





#27

2,4-Dimethylphenol

Concen: 13.799 ng

RT: 9.349 min Scan# 1096

Delta R.T. -0.035 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

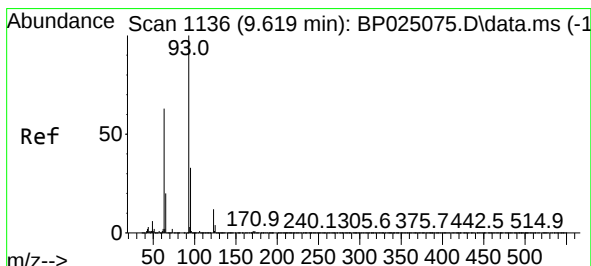
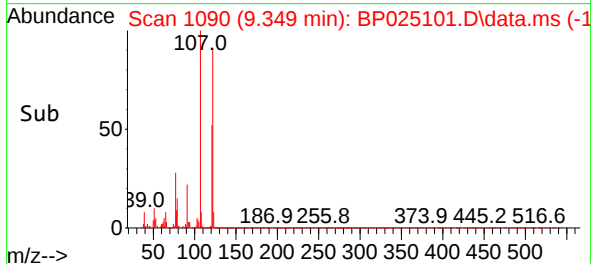
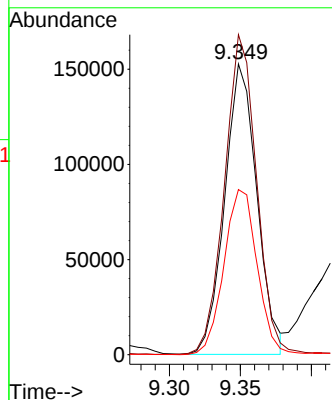
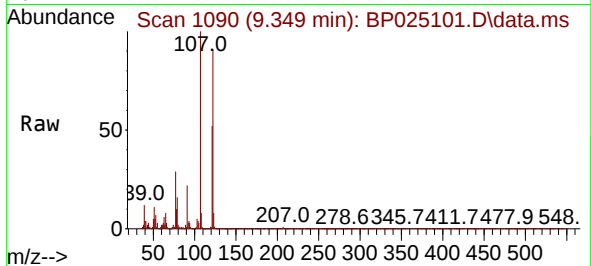
Tgt Ion:122 Resp: 241196

Ion Ratio Lower Upper

122 100

107 110.1 88.2 132.2

121 56.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 9.838 ng

RT: 9.584 min Scan# 1130

Delta R.T. -0.035 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

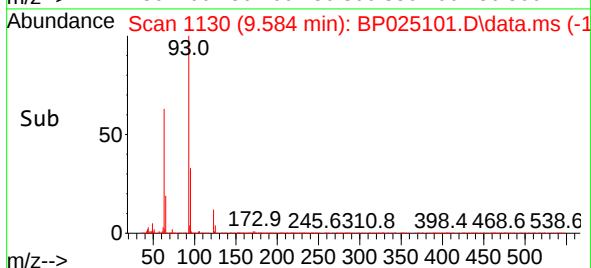
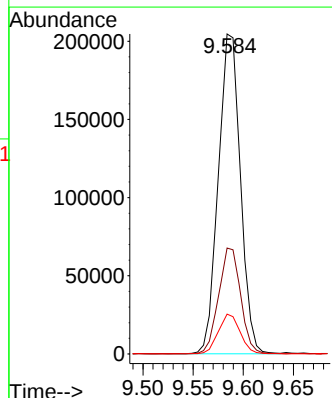
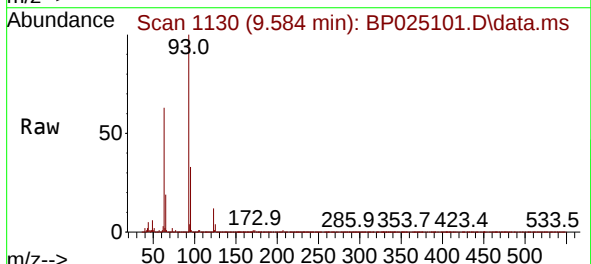
Tgt Ion: 93 Resp: 313025

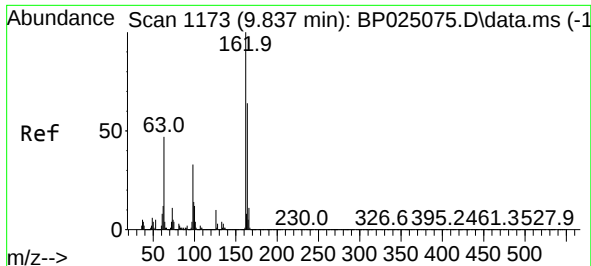
Ion Ratio Lower Upper

93 100

95 33.1 26.4 39.6

123 12.4 10.1 15.1

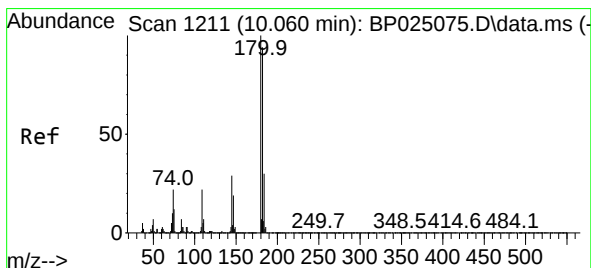
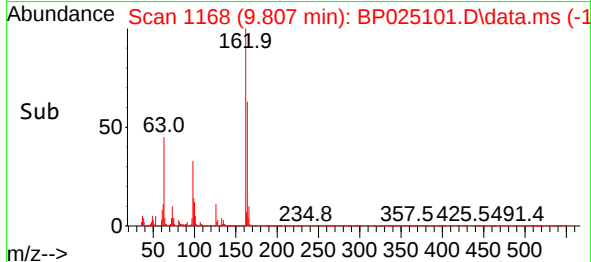
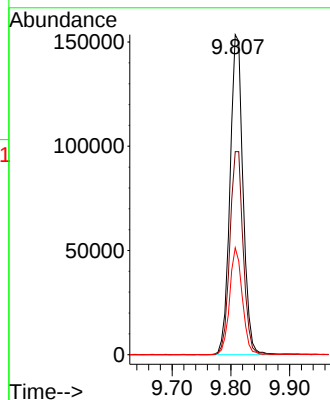
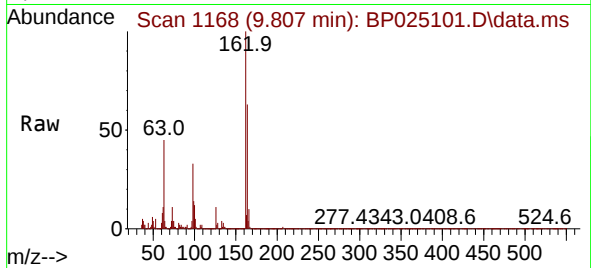




#29  
2,4-Dichlorophenol  
Concen: 9.704 ng  
RT: 9.807 min Scan# 1173  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

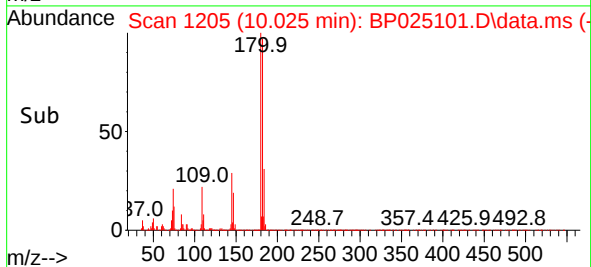
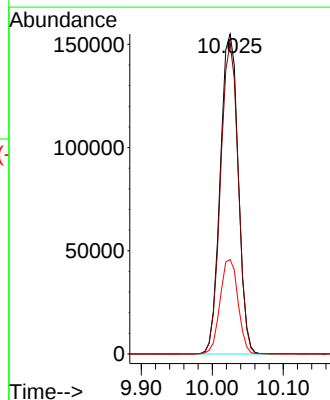
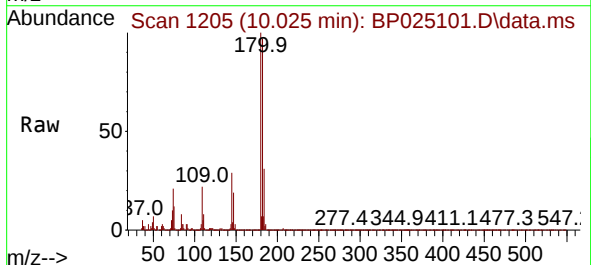
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

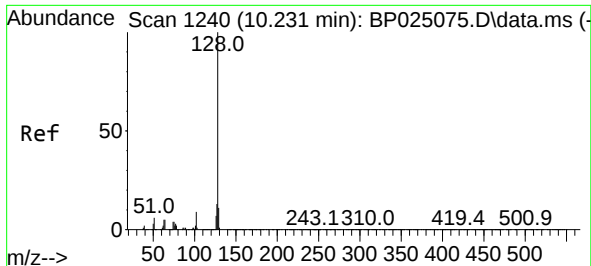
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 44.1  | 84.1  |
| 98      | 33.4  | 13.1  | 53.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 10.110 ng  
RT: 10.025 min Scan# 1205  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.2  | 75.1  | 112.7 |
| 145     | 29.5  | 23.3  | 34.9  |

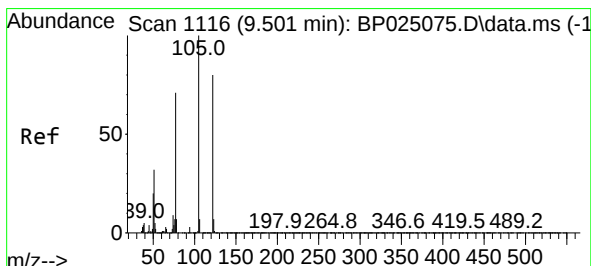
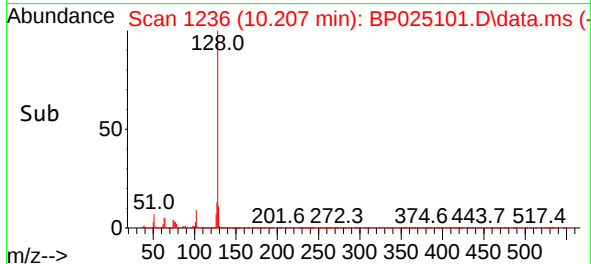
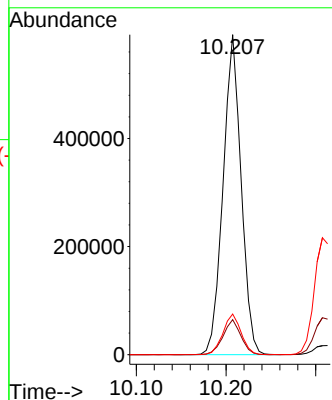
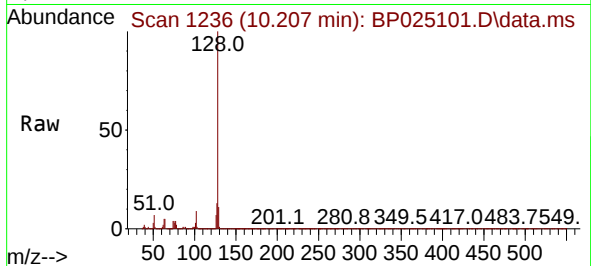




#31  
Naphthalene  
Concen: 9.624 ng  
RT: 10.207 min Scan# 1103  
Delta R.T. -0.024 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

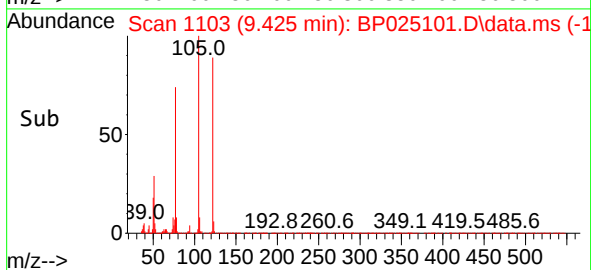
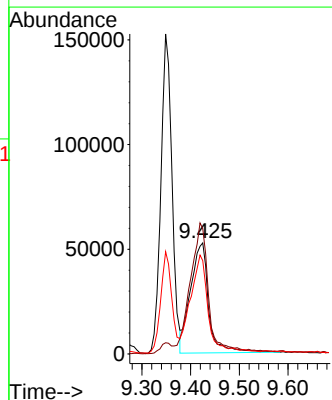
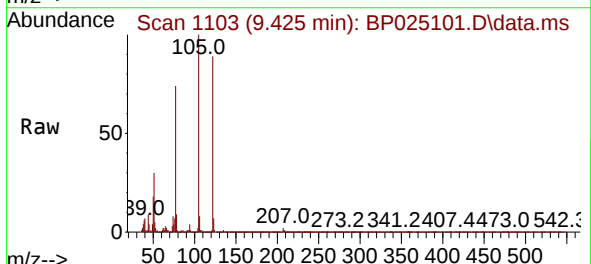
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

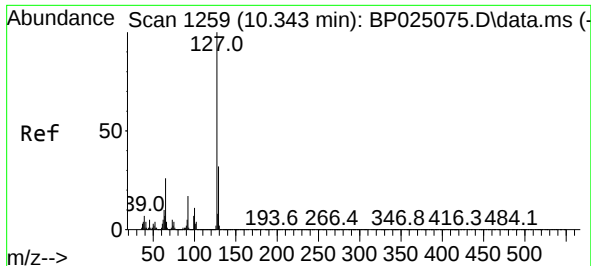
Tgt Ion:128 Resp: 826364  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 12.7 10.4 15.6



#32  
Benzoic acid  
Concen: 13.046 ng  
RT: 9.425 min Scan# 1103  
Delta R.T. -0.076 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:122 Resp: 137218  
Ion Ratio Lower Upper  
122 100  
105 112.8 101.0 141.0  
77 84.0 67.6 107.6

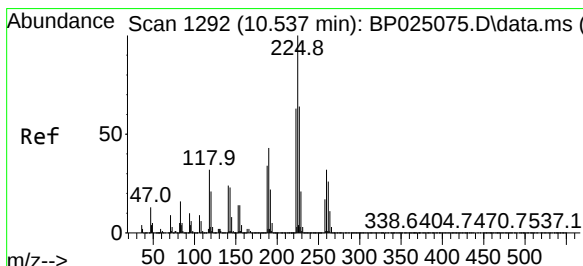
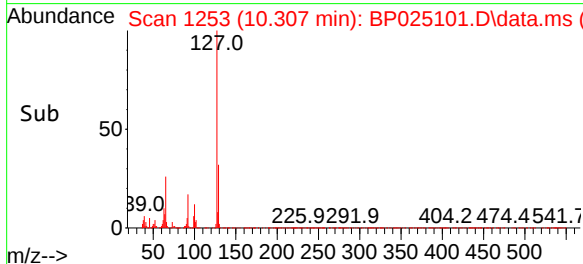
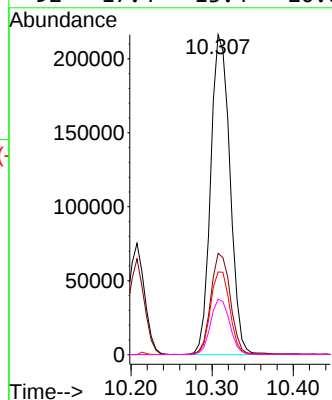
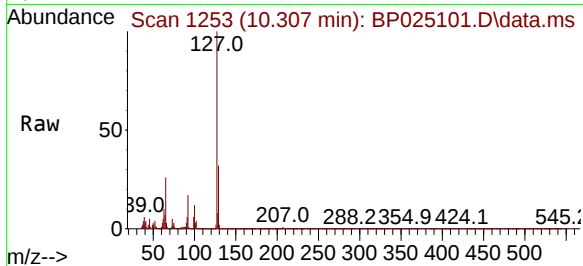




#33  
4-Chloroaniline  
Concen: 11.131 ng  
RT: 10.307 min Scan# 11  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

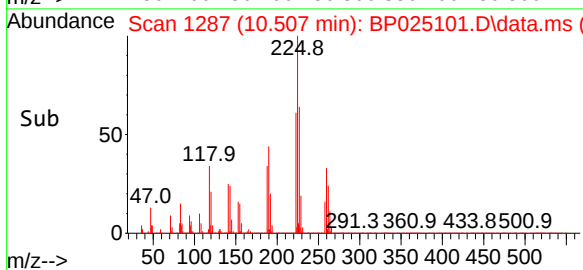
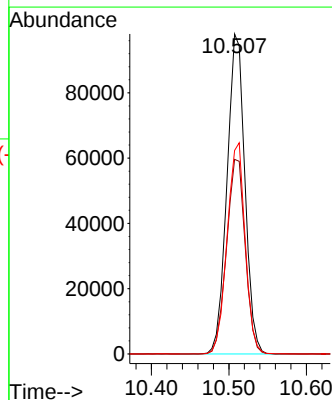
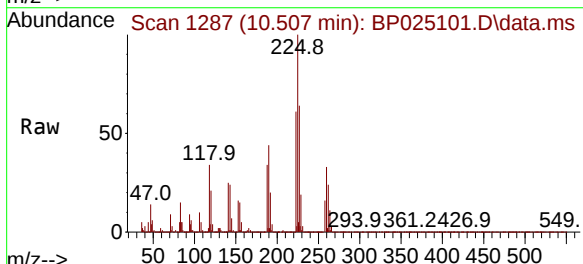
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

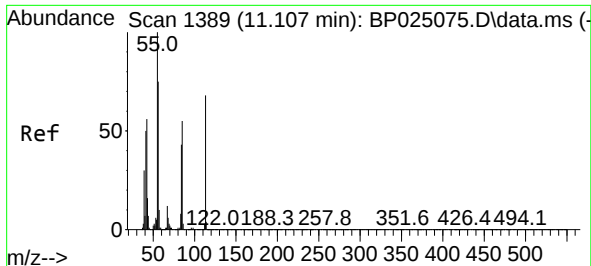
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 356672 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.7  | 25.4  | 38.2   |
| 65       | 25.8  | 21.0  | 31.6   |
| 92       | 17.4  | 13.4  | 20.0   |



#34  
Hexachlorobutadiene  
Concen: 10.229 ng  
RT: 10.507 min Scan# 1287  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 157553 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 60.8  | 50.3  | 75.5   |
| 227      | 63.6  | 51.3  | 76.9   |

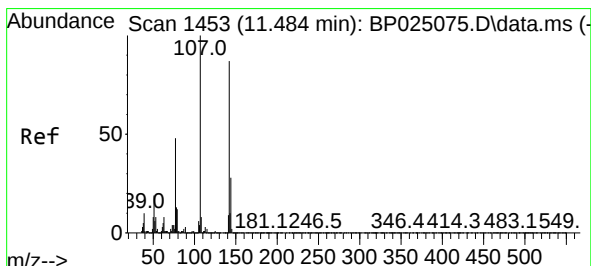
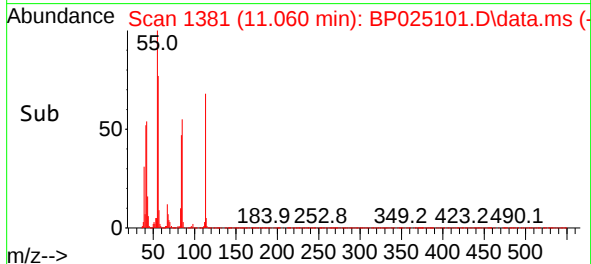
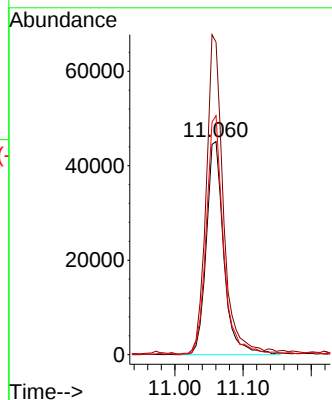
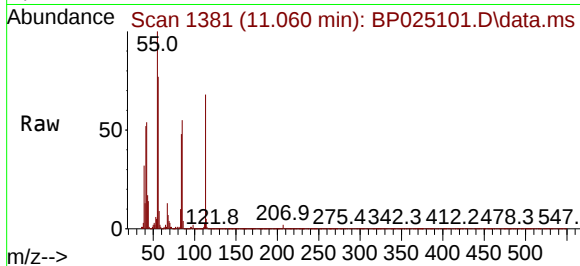




#35  
Caprolactam  
Concen: 9.688 ng  
RT: 11.060 min Scan# 11  
Delta R.T. -0.047 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

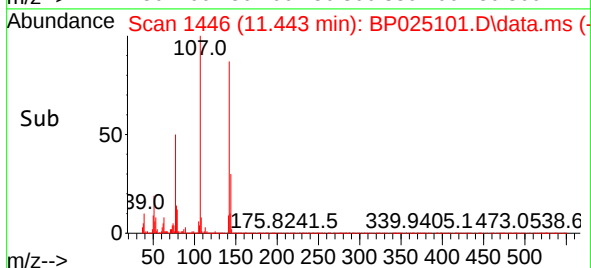
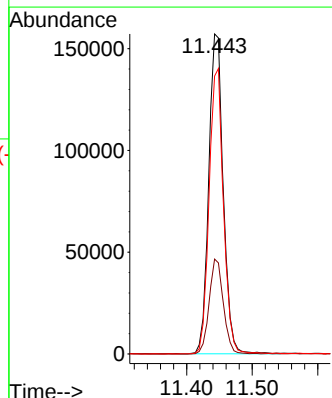
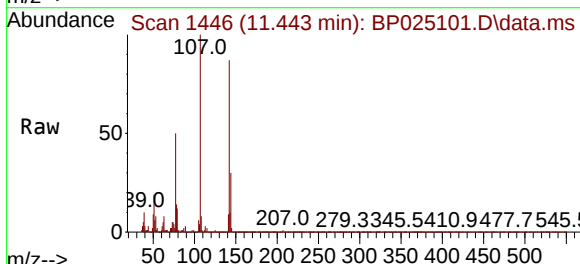
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

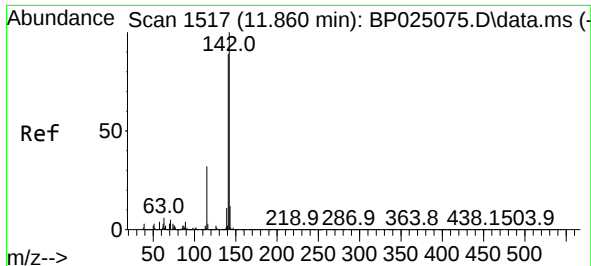
Tgt Ion:113 Resp: 80332  
Ion Ratio Lower Upper  
113 100  
55 146.6 128.1 168.1  
56 112.2 90.7 130.7



#36  
4-Chloro-3-methylphenol  
Concen: 9.554 ng  
RT: 11.443 min Scan# 1446  
Delta R.T. -0.041 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:107 Resp: 241993  
Ion Ratio Lower Upper  
107 100  
144 29.6 22.4 33.6  
142 86.9 69.6 104.4

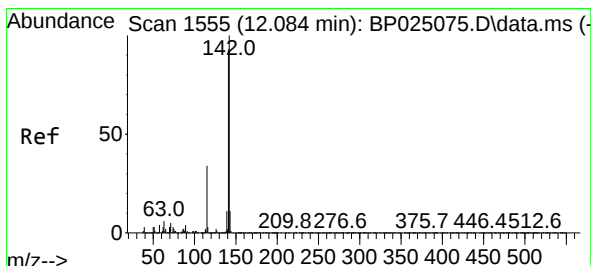
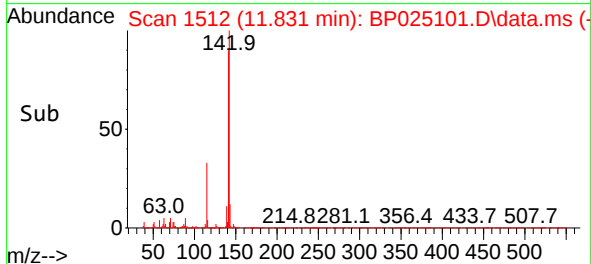
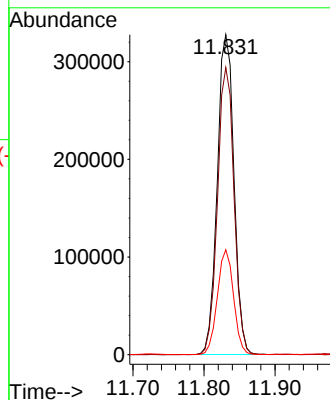
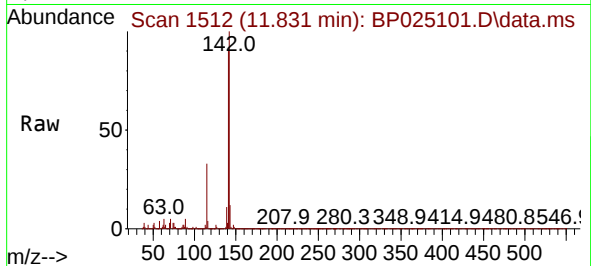




#37  
2-Methylnaphthalene  
Concen: 8.785 ng  
RT: 11.831 min Scan# 1512  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

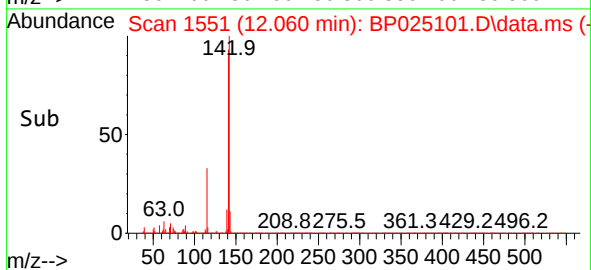
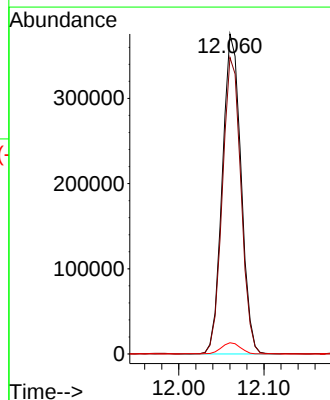
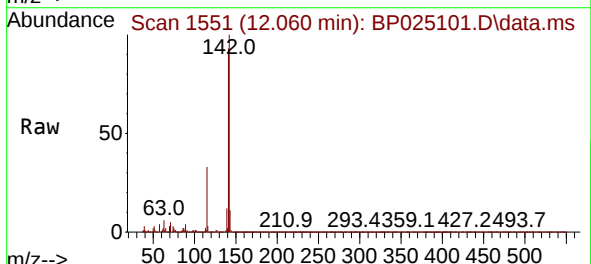
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

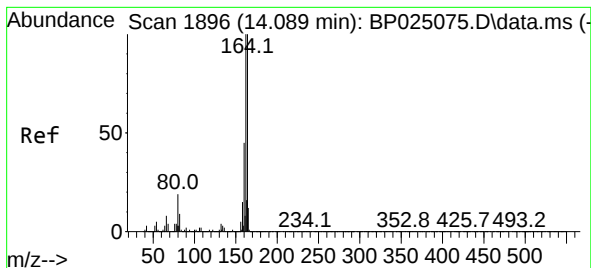
Tgt Ion:142 Resp: 532252  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.2 106.8  
115 32.8 25.9 38.9



#38  
1-Methylnaphthalene  
Concen: 9.678 ng  
RT: 12.060 min Scan# 1551  
Delta R.T. -0.024 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:142 Resp: 571846  
Ion Ratio Lower Upper  
142 100  
141 92.6 74.1 111.1  
116 3.5 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.078 min Scan# 11

Delta R.T. -0.011 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

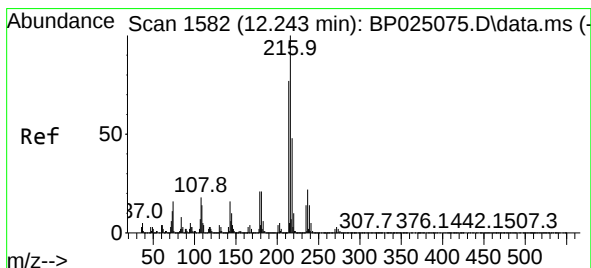
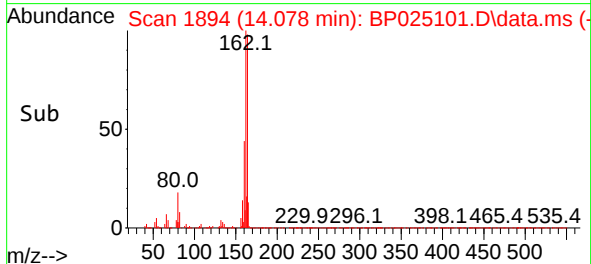
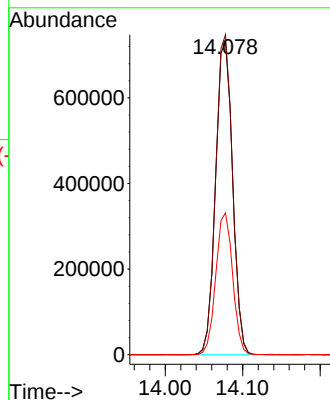
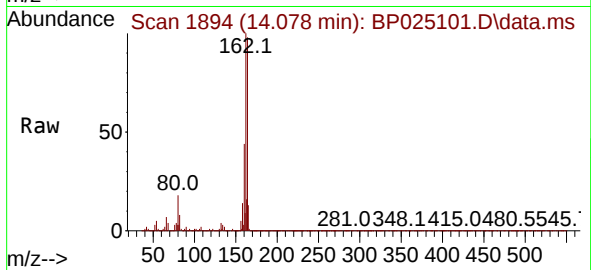
Tgt Ion:164 Resp: 1115773

Ion Ratio Lower Upper

164 100

162 102.2 80.3 120.5

160 45.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.568 ng

RT: 12.213 min Scan# 1577

Delta R.T. -0.029 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Tgt Ion:216 Resp: 306820

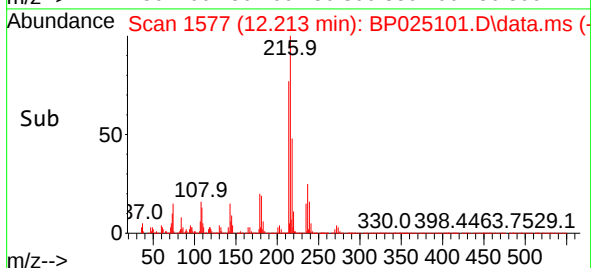
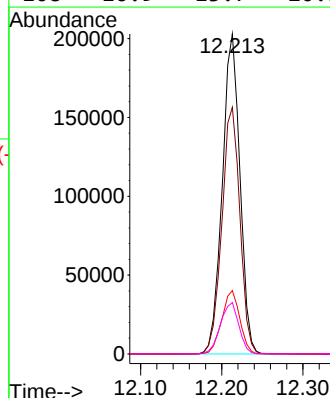
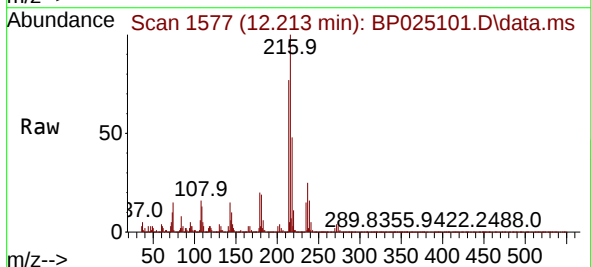
Ion Ratio Lower Upper

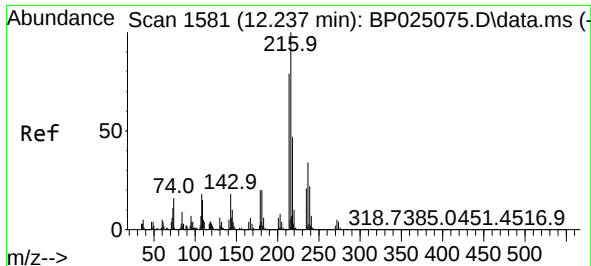
216 100

214 78.7 62.4 93.6

179 20.3 16.5 24.7

108 16.9 13.7 20.5

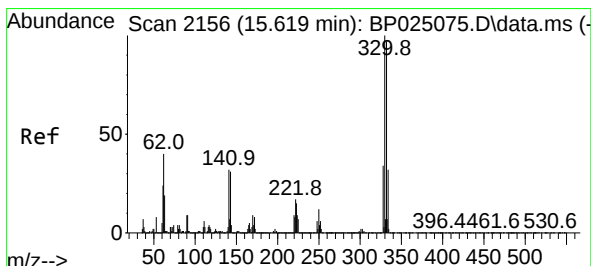
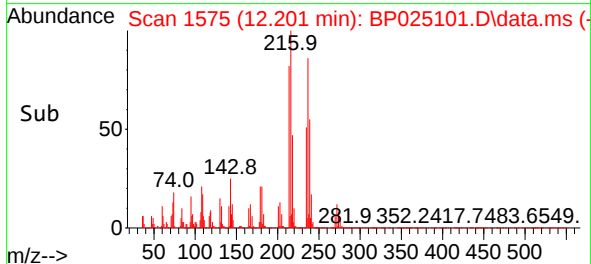
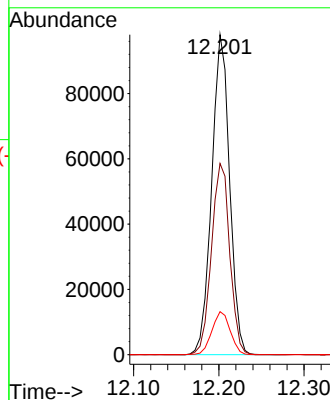
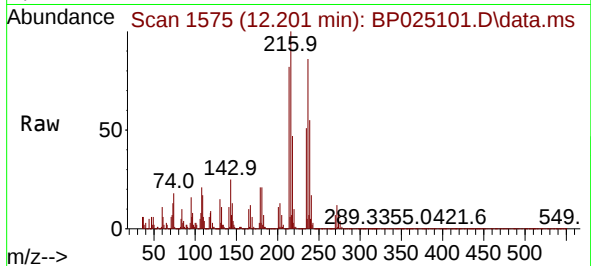




#41  
Hexachlorocyclopentadiene  
Concen: 17.106 ng  
RT: 12.201 min Scan# 11  
Delta R.T. -0.035 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

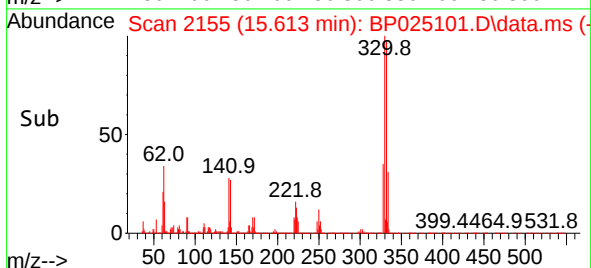
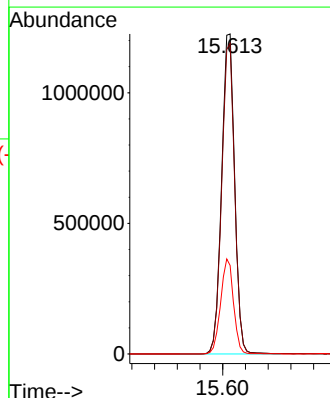
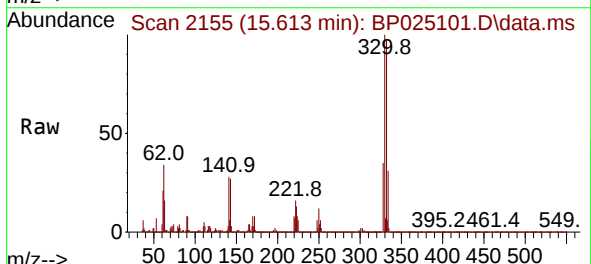
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

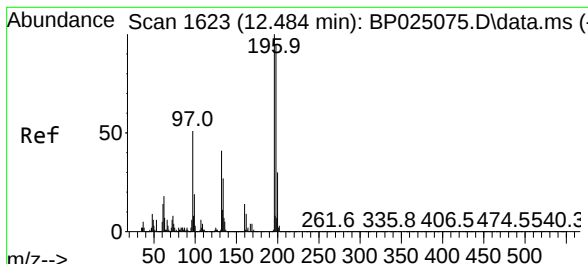
Tgt Ion:237 Resp: 143285  
Ion Ratio Lower Upper  
237 100  
235 59.8 41.6 81.6  
272 13.5 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 148.132 ng  
RT: 15.613 min Scan# 2155  
Delta R.T. -0.006 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:330 Resp: 1952530  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.7 116.5  
141 29.4 26.0 39.0

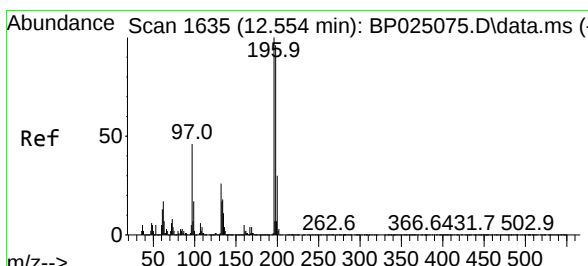
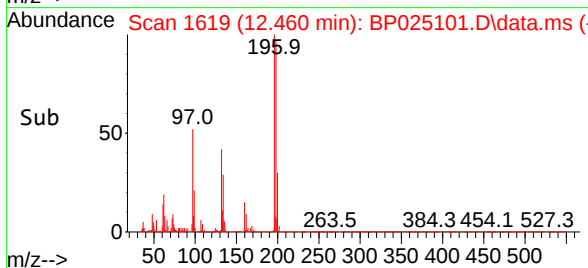
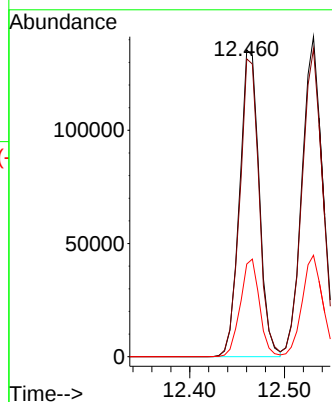
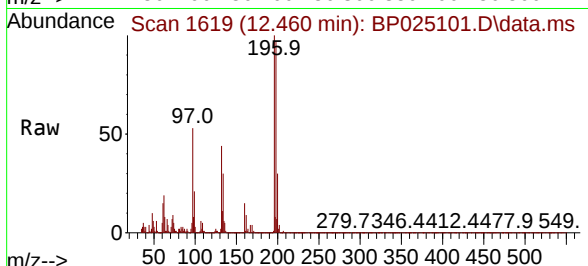




#43  
 2,4,6-Trichlorophenol  
 Concen: 10.006 ng  
 RT: 12.460 min Scan# 1619  
 Delta R.T. -0.024 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

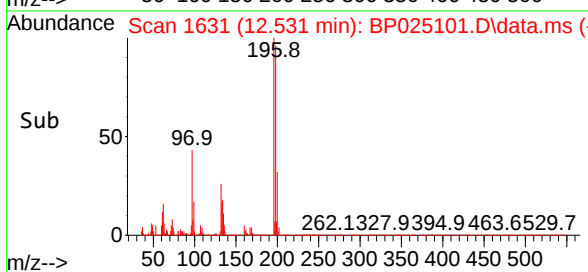
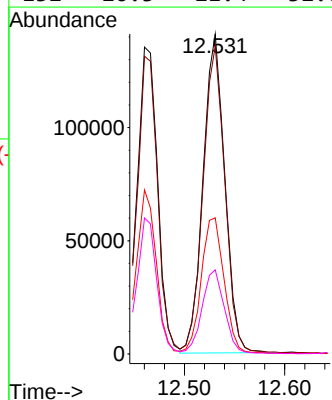
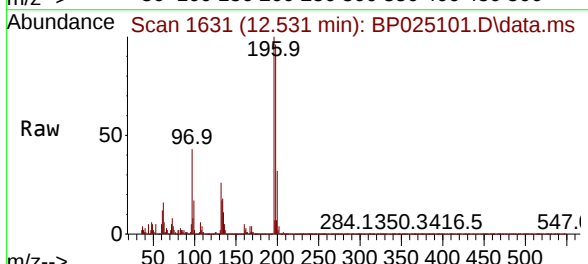
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

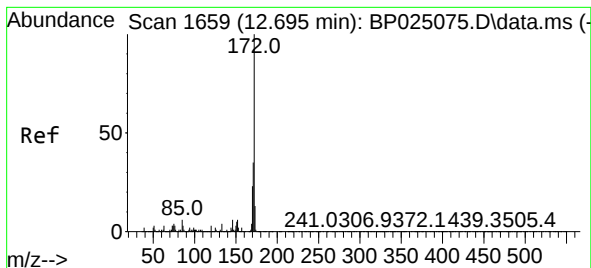
Tgt Ion:196 Resp: 194285  
 Ion Ratio Lower Upper  
 196 100  
 198 97.0 76.2 114.2  
 200 30.2 24.3 36.5



#44  
 2,4,5-Trichlorophenol  
 Concen: 9.685 ng  
 RT: 12.531 min Scan# 1631  
 Delta R.T. -0.024 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

Tgt Ion:196 Resp: 213119  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 76.6 115.0  
 97 42.6 36.6 55.0  
 132 26.3 21.4 32.0





#45

2-Fluorobiphenyl

Concen: 89.738 ng

RT: 12.672 min Scan# 1655

Delta R.T. -0.024 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

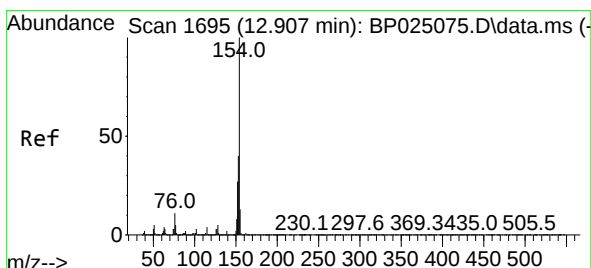
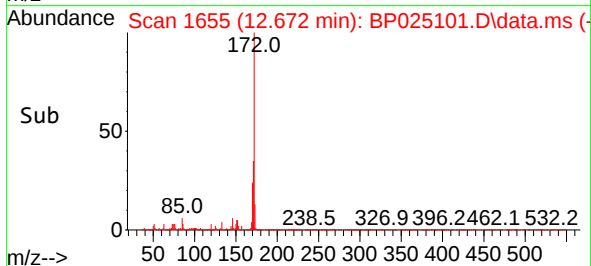
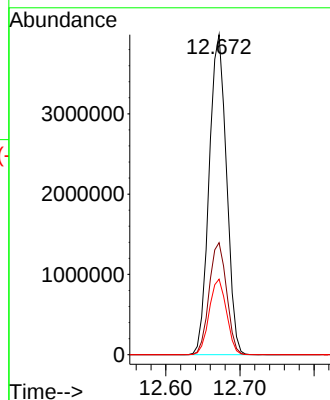
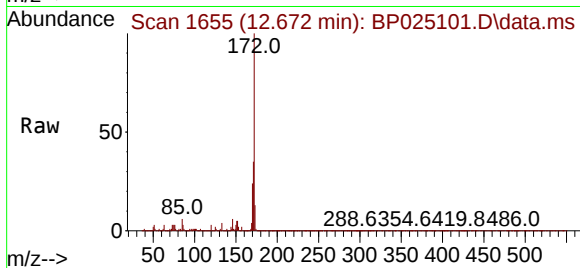
Tgt Ion:172 Resp: 6463334

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.6 18.7 28.1



#46

1,1'-Biphenyl

Concen: 9.702 ng

RT: 12.884 min Scan# 1691

Delta R.T. -0.024 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

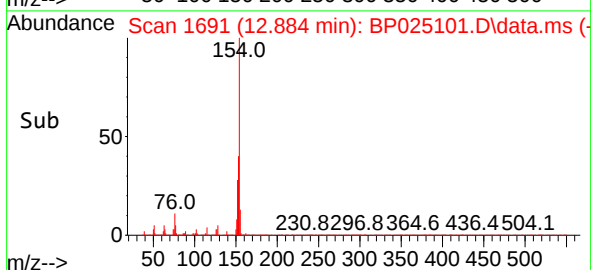
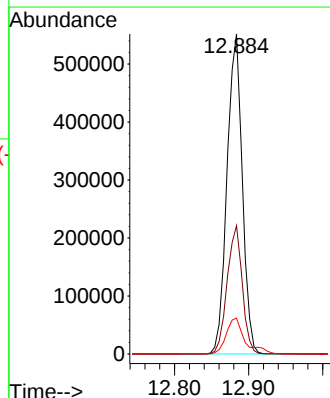
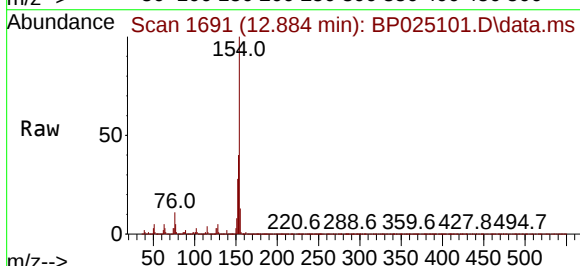
Tgt Ion:154 Resp: 787634

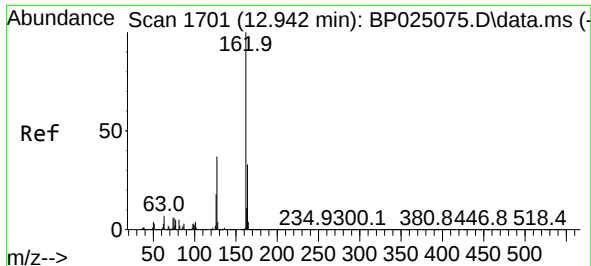
Ion Ratio Lower Upper

154 100

153 40.1 20.2 60.2

76 11.2 0.0 31.5

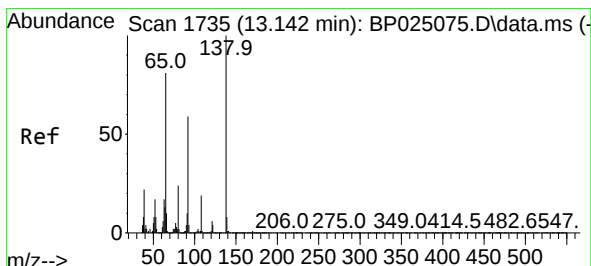
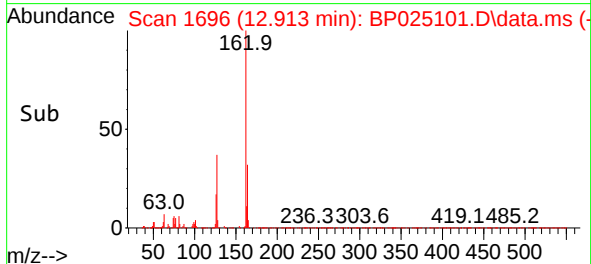
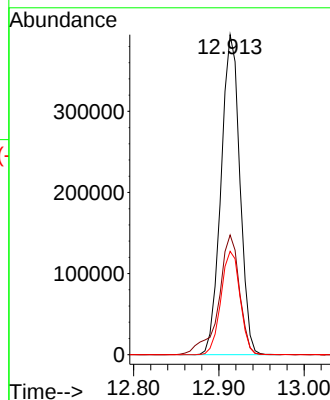
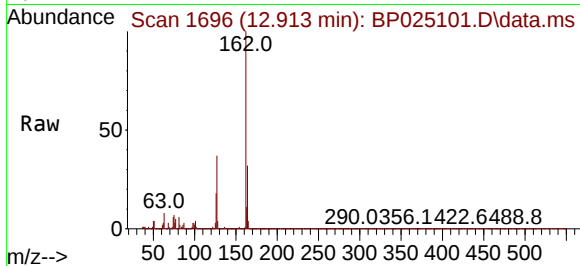




#47  
2-Chloronaphthalene  
Concen: 9.907 ng  
RT: 12.913 min Scan# 1696  
Delta R.T. -0.029 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

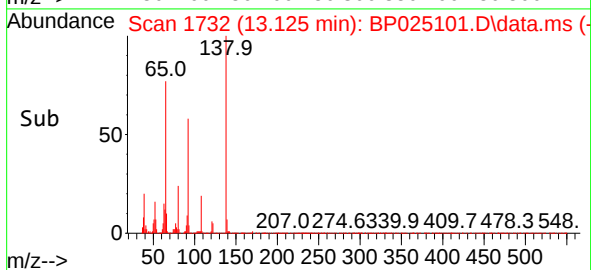
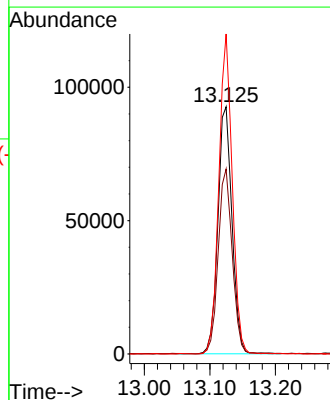
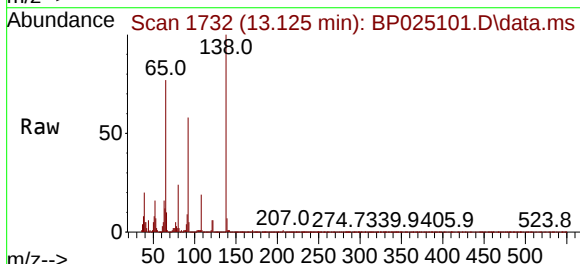
Instrument : BNA\_P  
ClientSampleId : LOQ-SOIL-02-QT2-2025

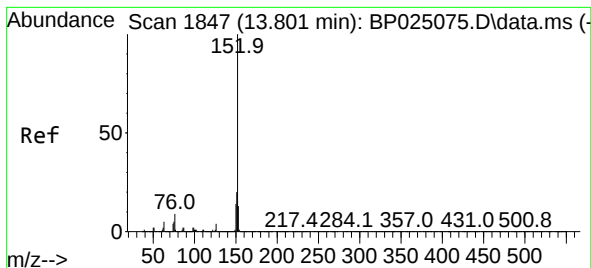
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 604509 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 37.4  | 29.4  | 44.2   |
| 164      | 32.3  | 26.4  | 39.6   |



#48  
2-Nitroaniline  
Concen: 11.449 ng  
RT: 13.125 min Scan# 1732  
Delta R.T. -0.017 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 137736 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 74.8  | 58.7  | 88.1   |
| 138      | 129.4 | 99.0  | 148.4  |





#49

Acenaphthylene

Concen: 10.764 ng

RT: 13.790 min Scan# 11

Delta R.T. -0.012 min

Lab File: BP025101.D

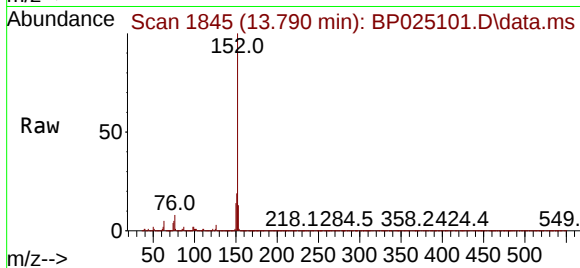
Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025



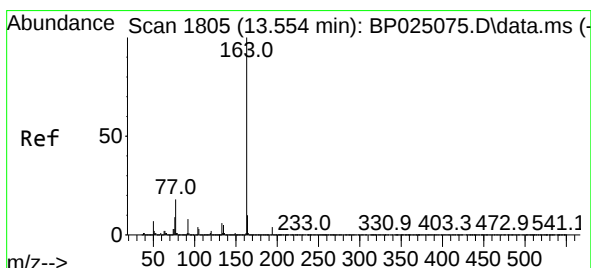
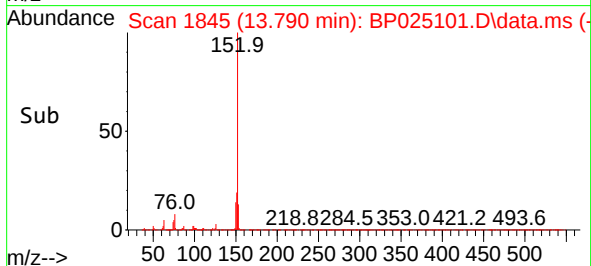
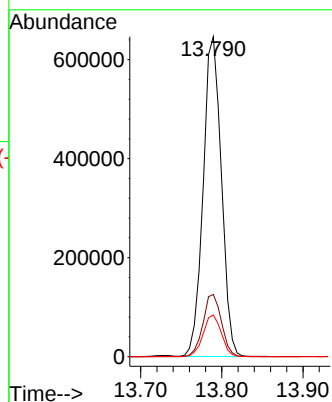
Tgt Ion:152 Resp: 1005199

Ion Ratio Lower Upper

152 100

151 19.5 16.1 24.1

153 13.1 10.7 16.1



#50

Dimethylphthalate

Concen: 9.997 ng

RT: 13.542 min Scan# 1803

Delta R.T. -0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

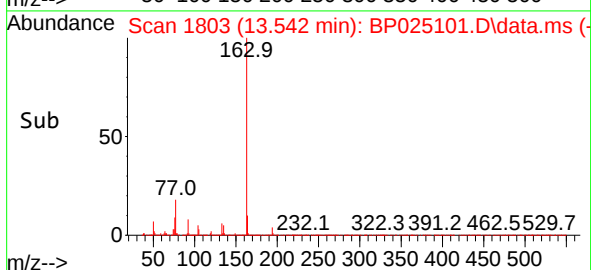
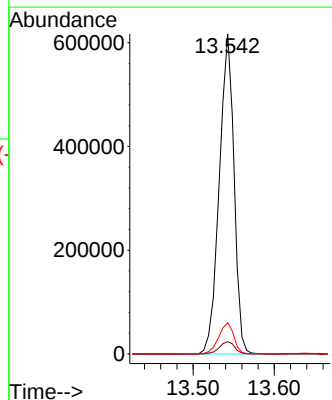
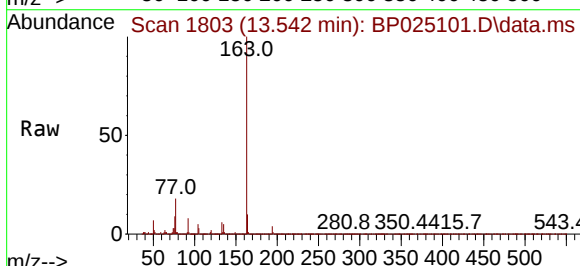
Tgt Ion:163 Resp: 780835

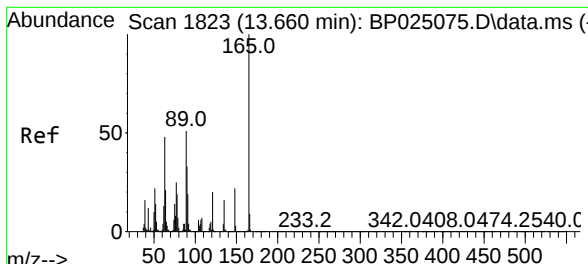
Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

164 9.8 8.0 12.0

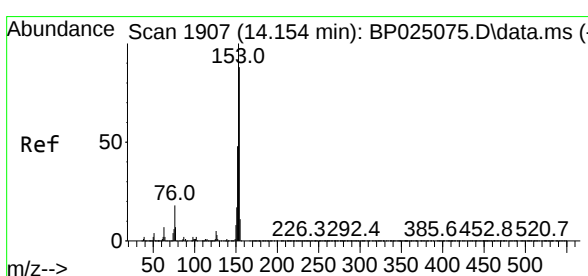
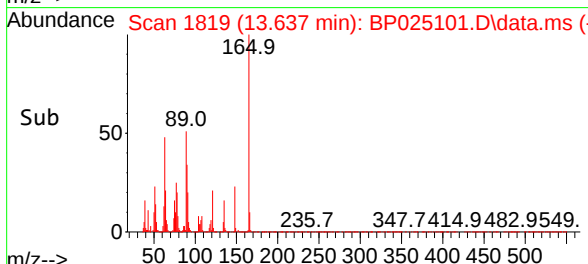
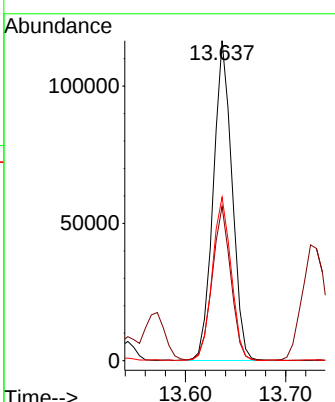
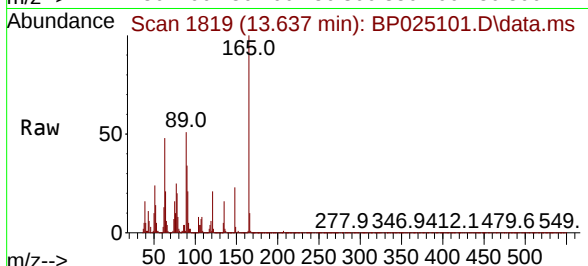




#51  
 2,6-Dinitrotoluene  
 Concen: 9.944 ng  
 RT: 13.637 min Scan# 1819  
 Delta R.T. -0.024 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

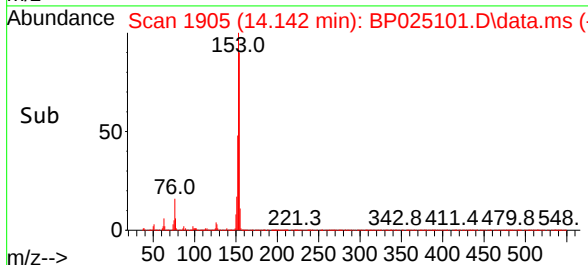
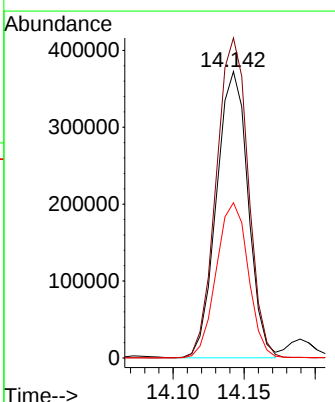
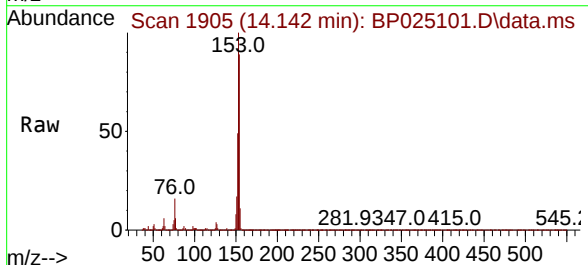
Instrument : BNA\_P  
 ClientSampleId : LOQ-SOIL-02-QT2-2025

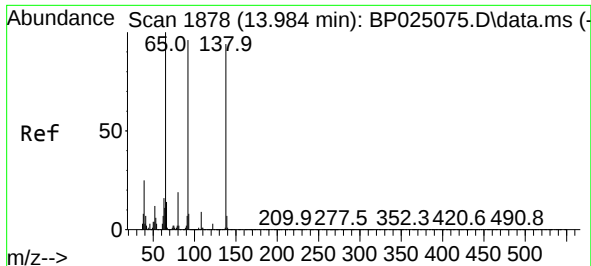
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 151477 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 48.2  | 38.5  | 57.7   |
| 89        | 51.1  | 40.6  | 61.0   |



#52  
 Acenaphthene  
 Concen: 9.573 ng  
 RT: 14.142 min Scan# 1905  
 Delta R.T. -0.012 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 576243 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 111.8 | 90.6  | 136.0  |
| 152       | 54.2  | 43.8  | 65.8   |

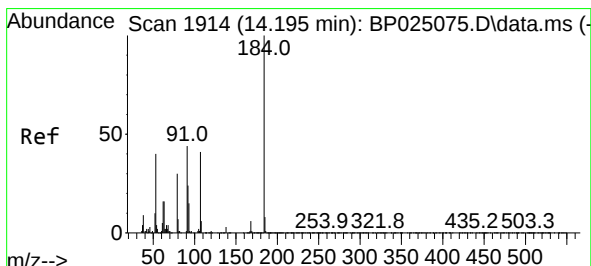
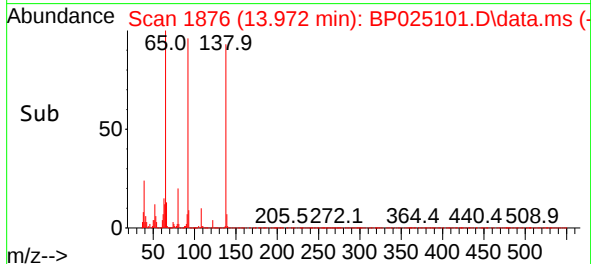
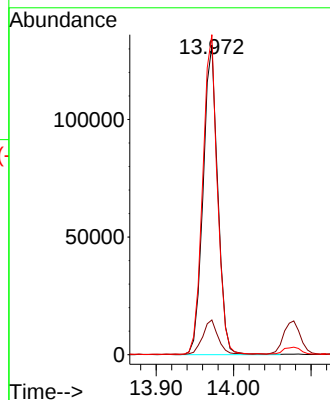
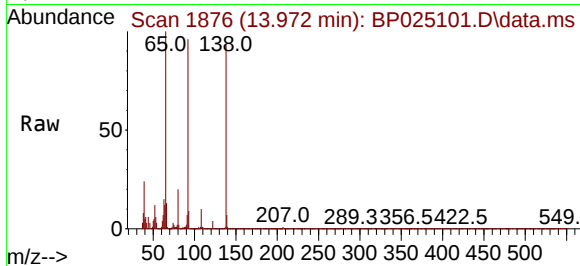




#53  
3-Nitroaniline  
Concen: 10.587 ng  
RT: 13.972 min Scan# 1876  
Delta R.T. -0.012 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

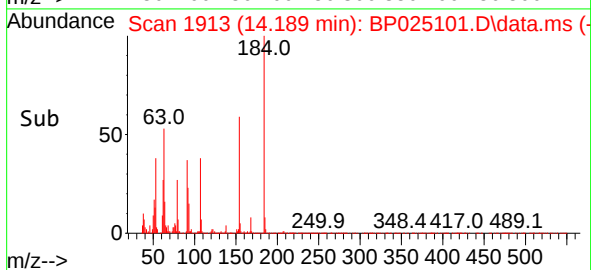
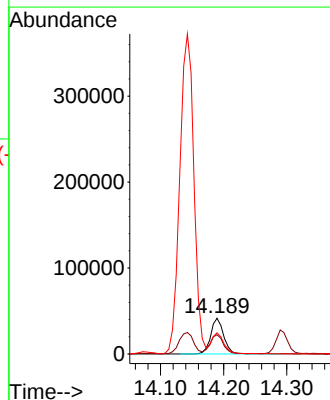
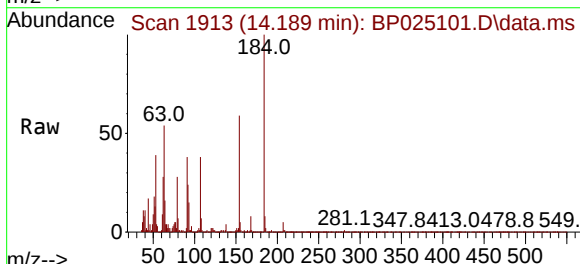
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

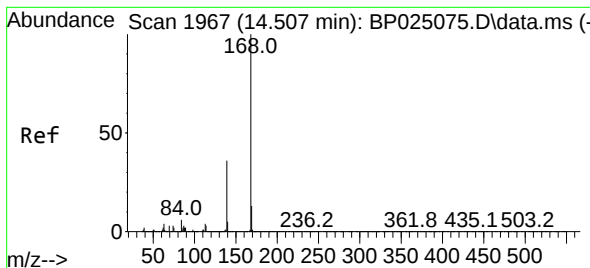
Tgt Ion:138 Resp: 172823  
Ion Ratio Lower Upper  
138 100  
108 11.2 7.8 11.8  
92 103.4 81.0 121.4



#54  
2,4-Dinitrophenol  
Concen: 12.818 ng  
RT: 14.189 min Scan# 1913  
Delta R.T. -0.006 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:184 Resp: 59331  
Ion Ratio Lower Upper  
184 100  
63 53.7 47.4 71.0  
154 59.2 47.8 71.8





#55

Dibenzofuran

Concen: 9.763 ng

RT: 14.484 min Scan# 1963

Delta R.T. -0.024 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

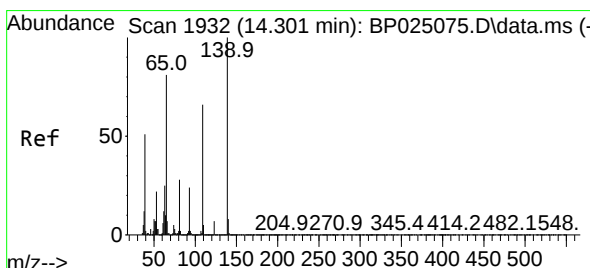
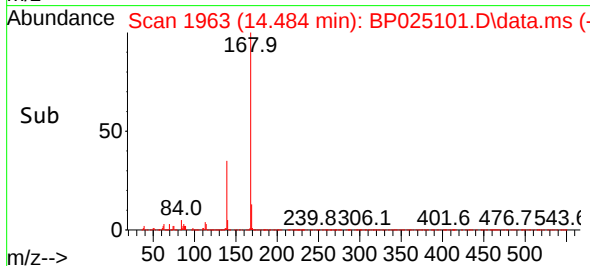
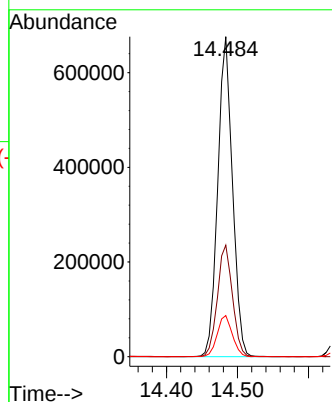
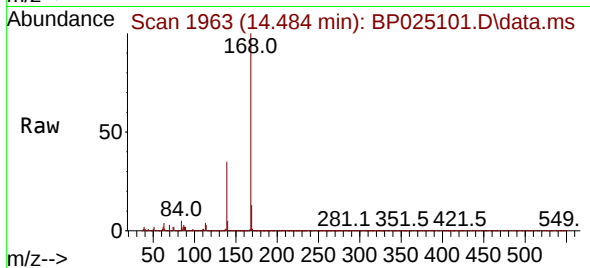
Tgt Ion:168 Resp: 969787

Ion Ratio Lower Upper

168 100

139 34.9 28.6 43.0

169 12.9 10.7 16.1



#56

4-Nitrophenol

Concen: 9.646 ng

RT: 14.295 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

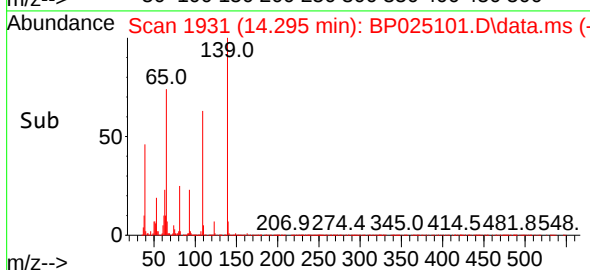
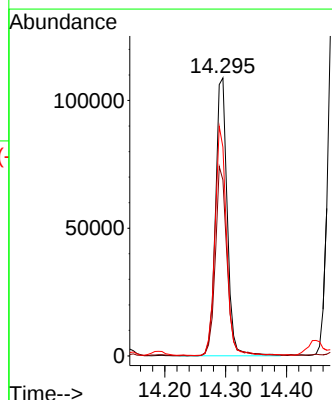
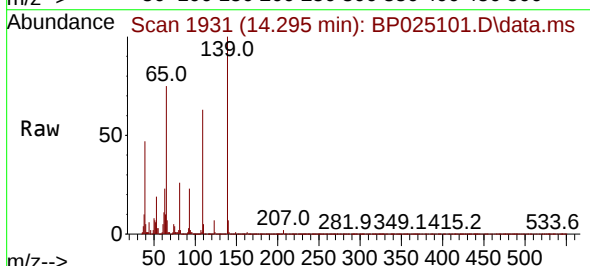
Tgt Ion:139 Resp: 145313

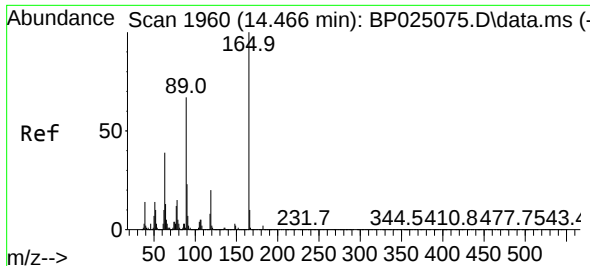
Ion Ratio Lower Upper

139 100

109 63.3 45.9 85.9

65 75.1 61.4 101.4

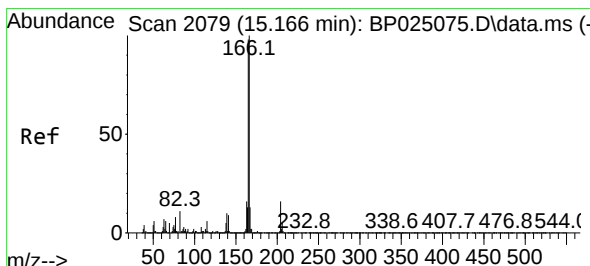
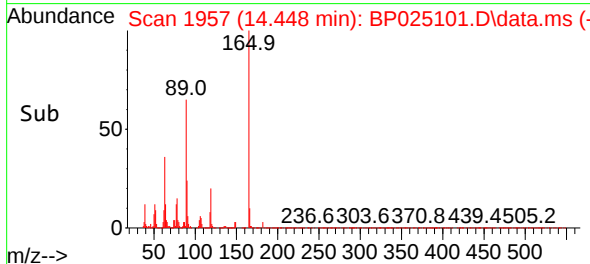
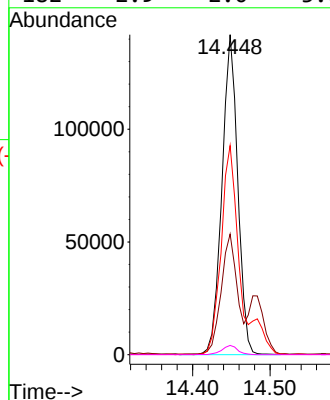
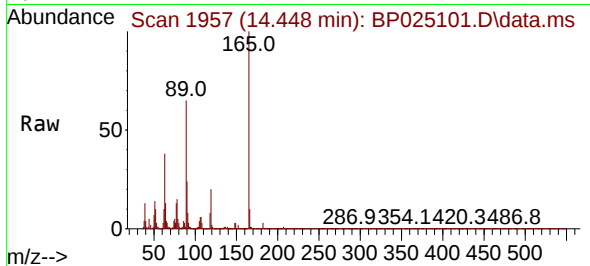




#57  
2,4-Dinitrotoluene  
Concen: 11.137 ng  
RT: 14.448 min Scan# 1960  
Delta R.T. -0.018 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

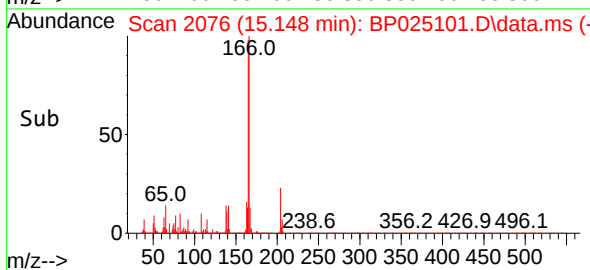
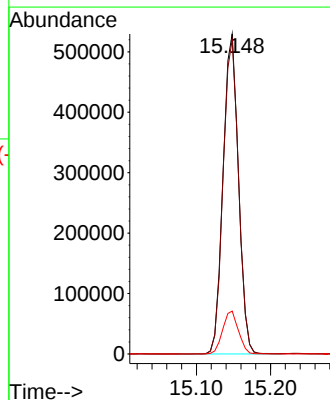
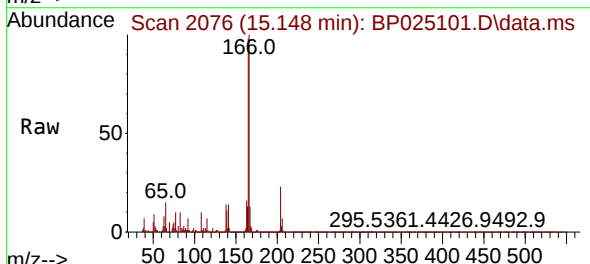
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

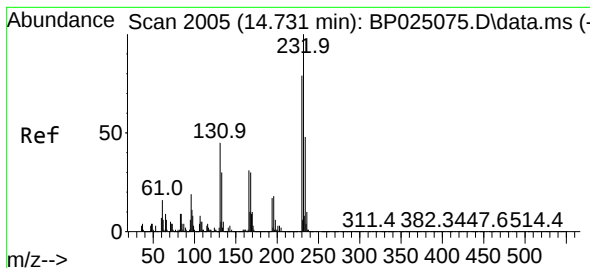
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 201063 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 37.7  | 31.0  | 46.4   |
| 89       | 65.3  | 53.4  | 80.0   |
| 182      | 2.9   | 2.0   | 3.0    |



#58  
Fluorene  
Concen: 9.929 ng  
RT: 15.148 min Scan# 2076  
Delta R.T. -0.018 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 762863 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 98.2  | 78.6  | 117.8  |
| 167      | 13.4  | 10.7  | 16.1   |





#59

2,3,4,6-Tetrachlorophenol

Concen: 10.208 ng

RT: 14.713 min Scan# 2005

Delta R.T. -0.018 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:232 Resp: 203420

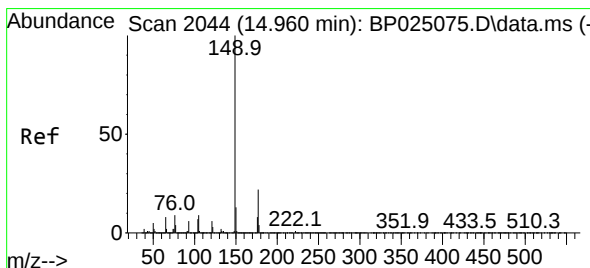
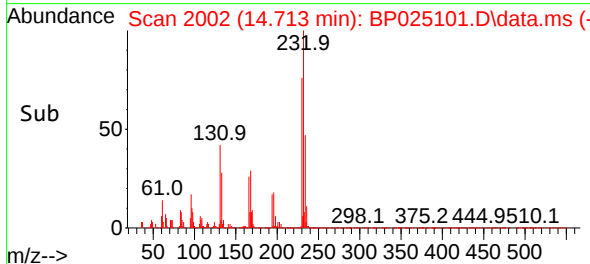
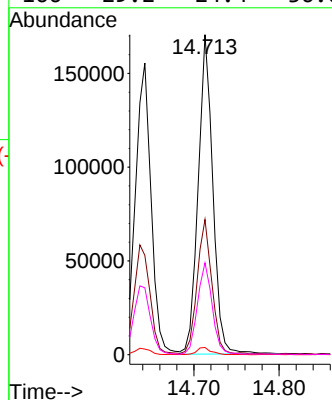
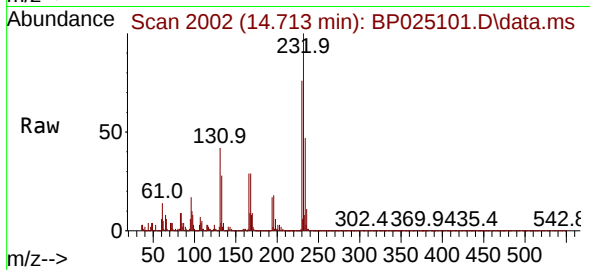
Ion Ratio Lower Upper

232 100

131 42.1 35.7 53.5

130 2.3 1.8 2.6

166 29.2 24.4 36.6



#60

Diethylphthalate

Concen: 10.227 ng

RT: 14.948 min Scan# 2042

Delta R.T. -0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

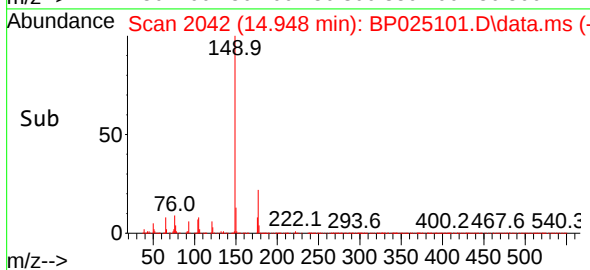
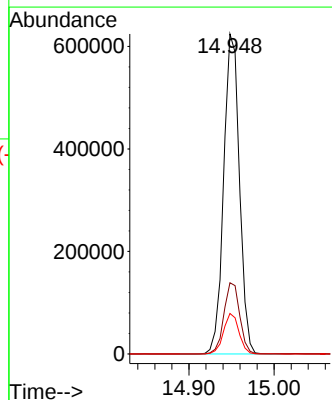
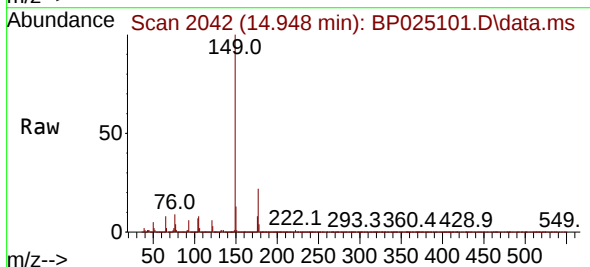
Tgt Ion:149 Resp: 802250

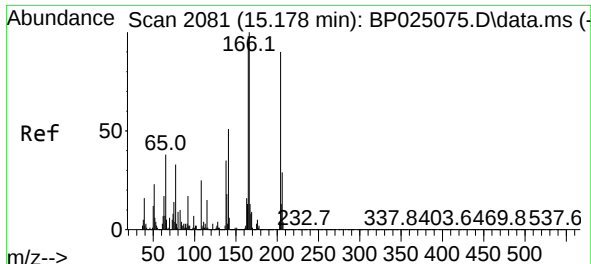
Ion Ratio Lower Upper

149 100

177 22.2 17.8 26.8

150 12.6 10.2 15.2

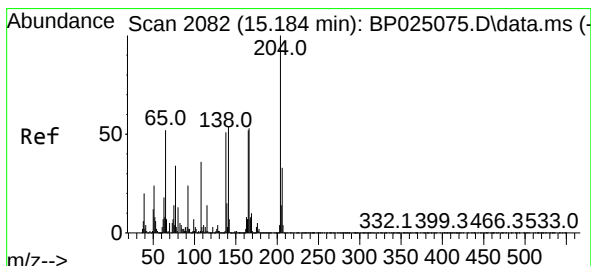
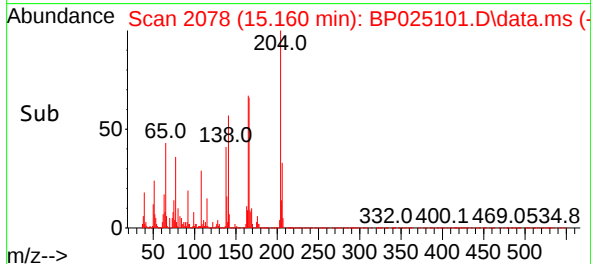
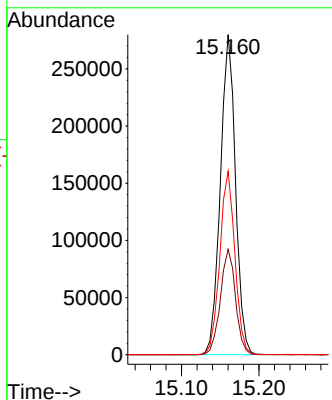
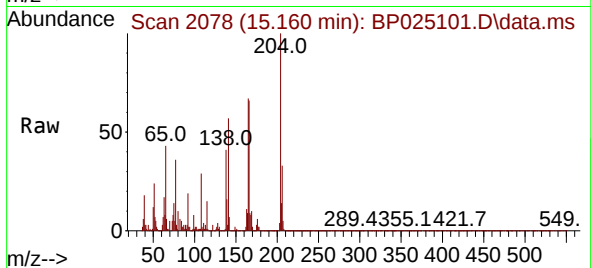




#61  
4-Chlorophenyl-phenylether  
Concen: 10.024 ng  
RT: 15.160 min Scan# 2078  
Delta R.T. -0.018 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

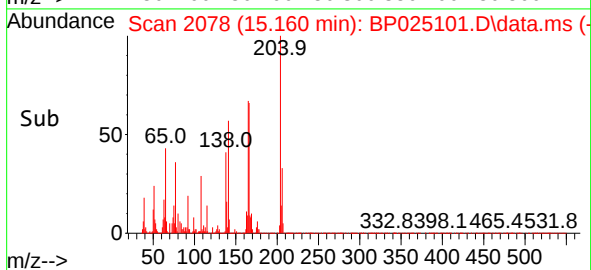
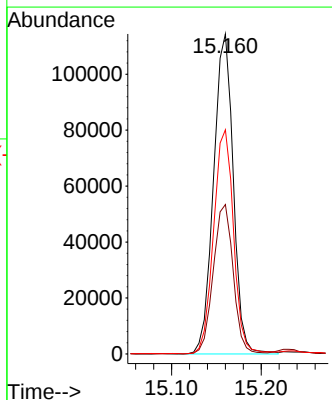
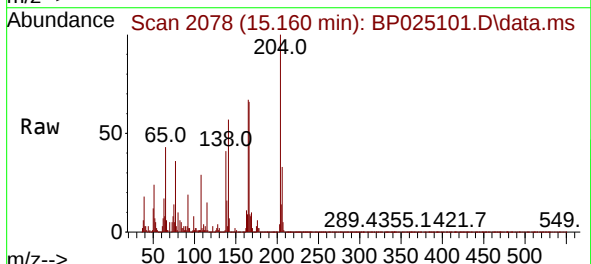
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

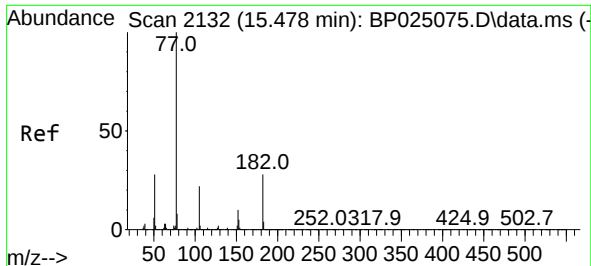
Tgt Ion:204 Resp: 381167  
Ion Ratio Lower Upper  
204 100  
206 32.9 25.8 38.6  
141 57.3 45.1 67.7



#62  
4-Nitroaniline  
Concen: 10.196 ng  
RT: 15.160 min Scan# 2078  
Delta R.T. -0.023 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:138 Resp: 174531  
Ion Ratio Lower Upper  
138 100  
92 46.7 26.0 66.0  
108 70.1 50.0 90.0

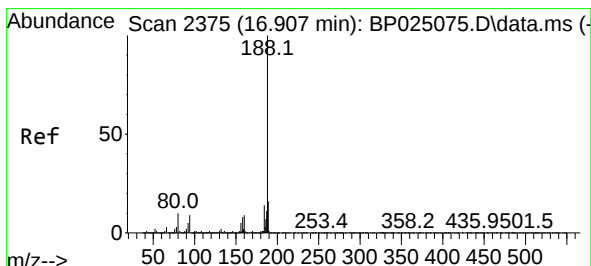
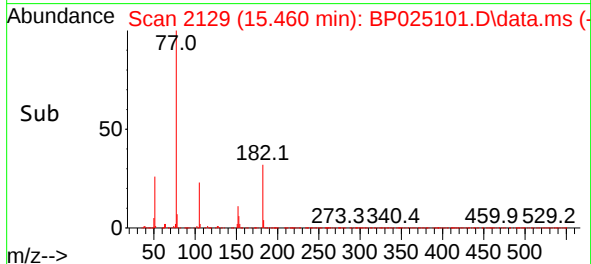
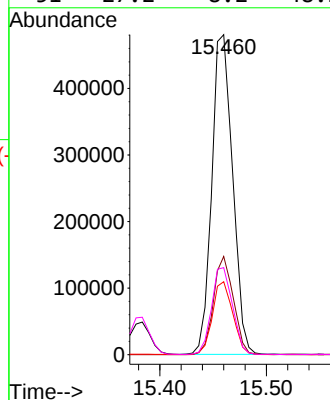
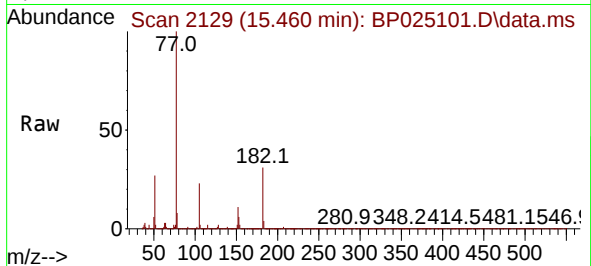




#63  
Azobenzene  
Concen: 9.326 ng  
RT: 15.460 min Scan# 2132  
Delta R.T. -0.018 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

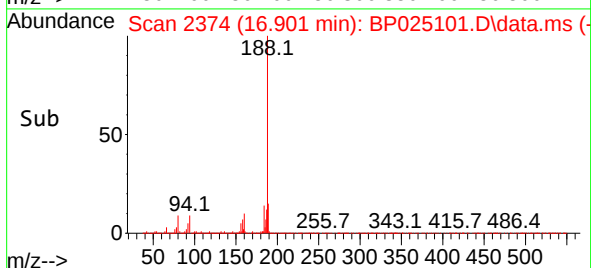
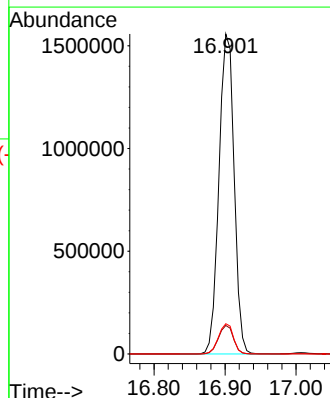
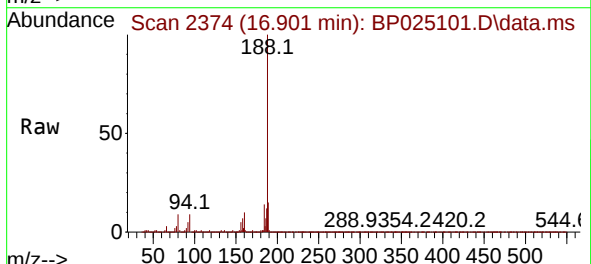
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

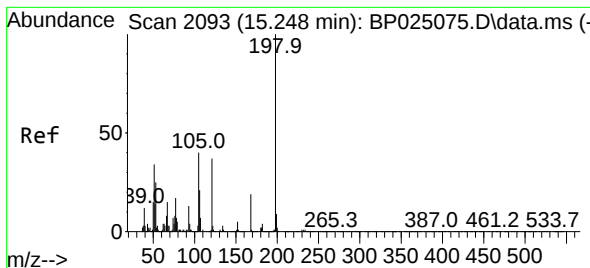
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 651465 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 30.7    | 7.7 47.7     |
| 105 22.8    | 1.9 41.9     |
| 51 27.2     | 8.2 48.2     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.901 min Scan# 2374  
Delta R.T. -0.006 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

|              |               |
|--------------|---------------|
| Tgt Ion: 188 | Resp: 2297818 |
| Ion Ratio    | Lower Upper   |
| 188 100      |               |
| 94 8.9       | 7.3 10.9      |
| 80 9.5       | 7.8 11.6      |

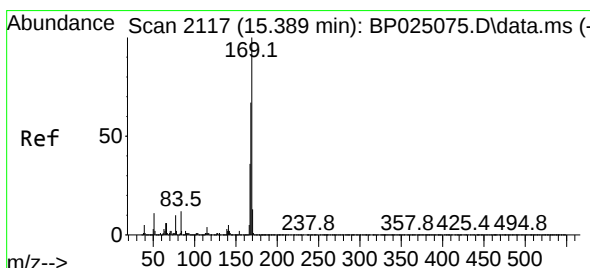
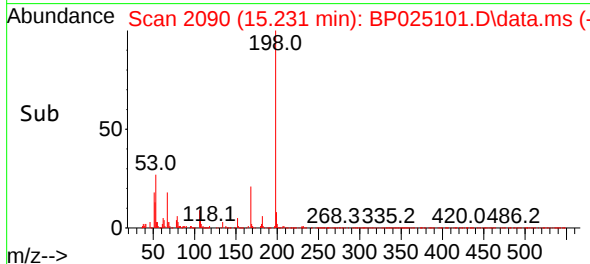
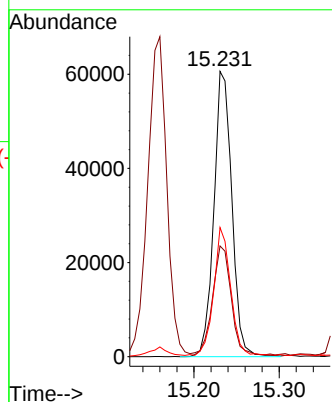
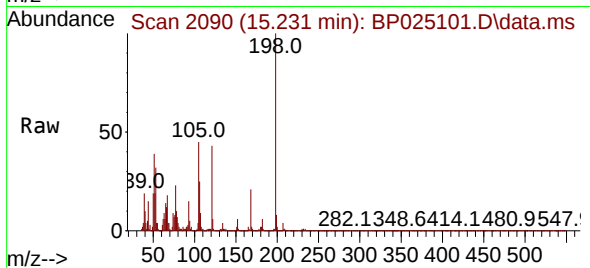




#65  
4,6-Dinitro-2-methylphenol  
Concen: 13.080 ng  
RT: 15.231 min Scan# 2090  
Delta R.T. -0.017 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

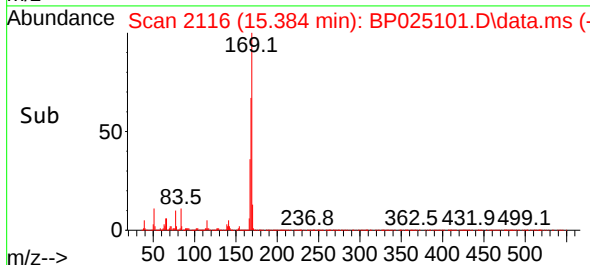
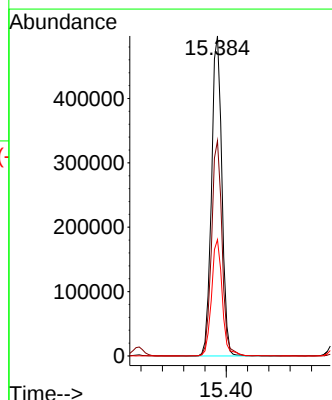
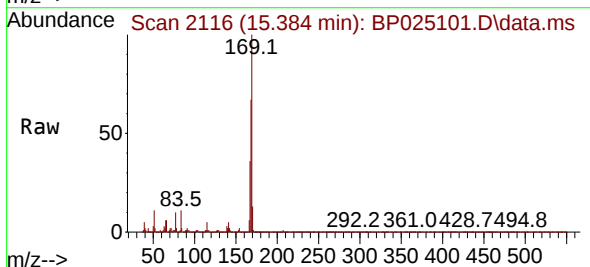
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

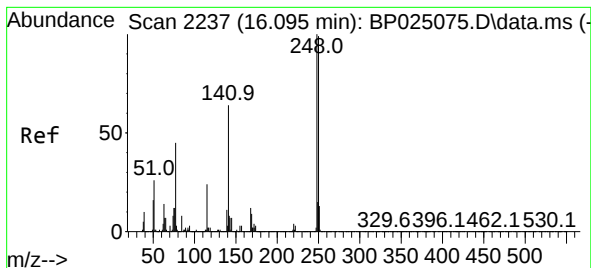
Tgt Ion:198 Resp: 88750  
Ion Ratio Lower Upper  
198 100  
51 38.8 16.8 56.8  
105 45.3 20.8 60.8



#66  
n-Nitrosodiphenylamine  
Concen: 10.190 ng  
RT: 15.384 min Scan# 2116  
Delta R.T. -0.006 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:169 Resp: 670116  
Ion Ratio Lower Upper  
169 100  
168 67.3 54.1 81.1  
167 36.3 29.0 43.6

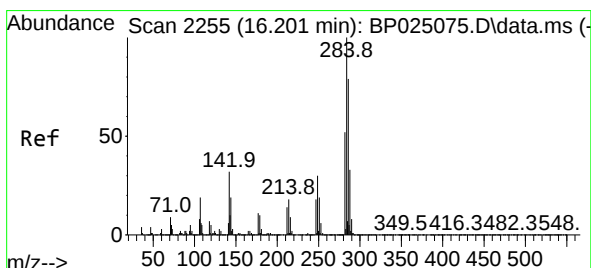
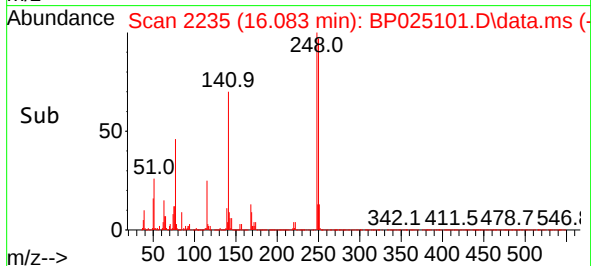
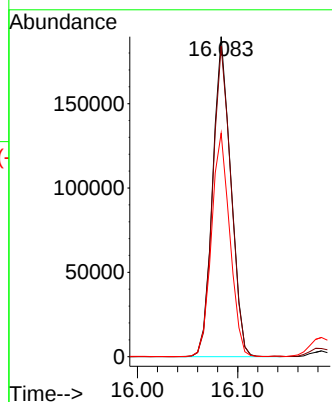
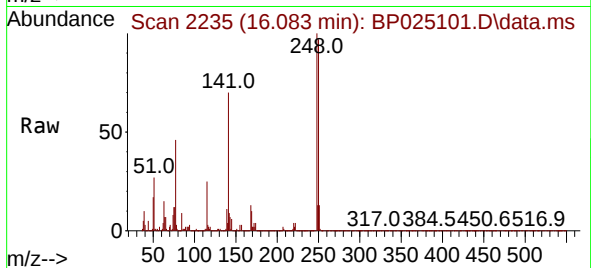




#67  
4-Bromophenyl-phenylether  
Concen: 10.142 ng  
RT: 16.083 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

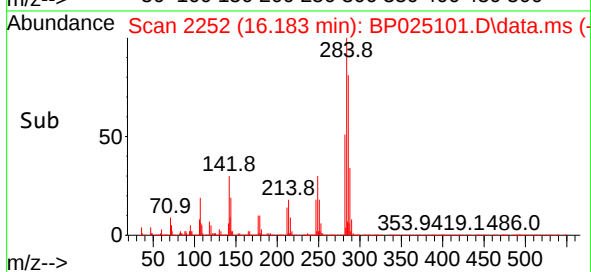
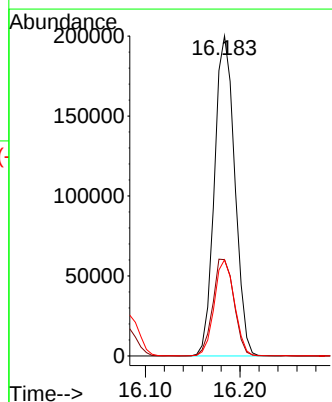
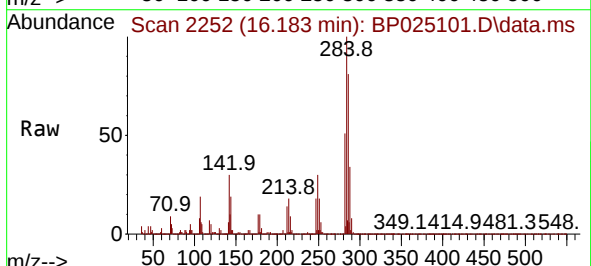
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

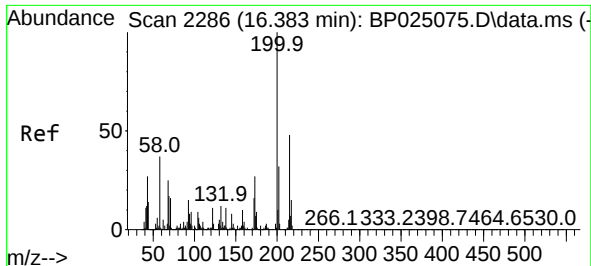
Tgt Ion:248 Resp: 238612  
Ion Ratio Lower Upper  
248 100  
250 97.1 79.4 119.2  
141 69.8 51.4 77.0



#68  
Hexachlorobenzene  
Concen: 10.333 ng  
RT: 16.183 min Scan# 2252  
Delta R.T. -0.018 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:284 Resp: 297141  
Ion Ratio Lower Upper  
284 100  
142 30.1 25.9 38.9  
249 30.1 23.8 35.8

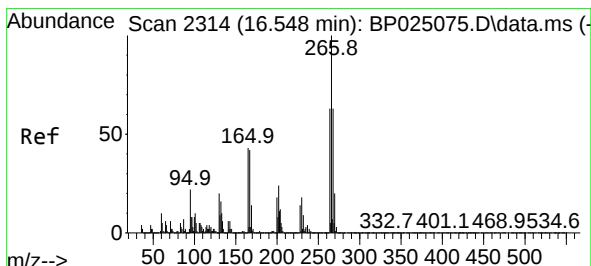
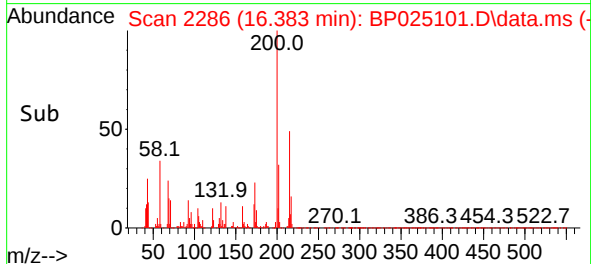
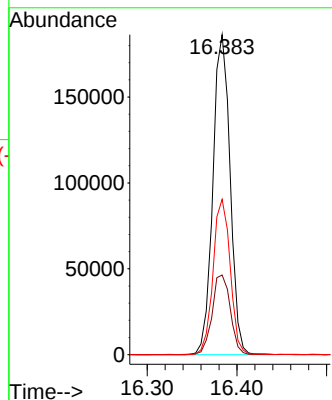
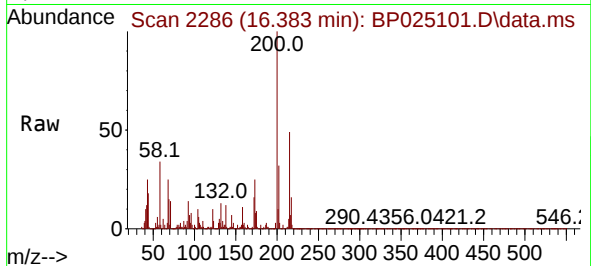




#69  
 Atrazine  
 Concen: 12.889 ng  
 RT: 16.383 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

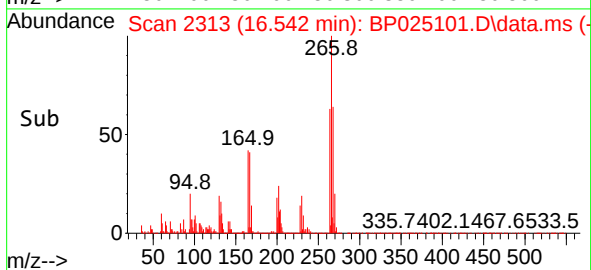
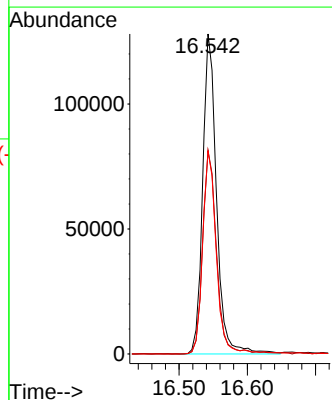
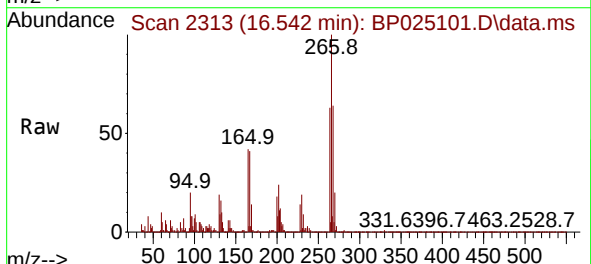
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2025

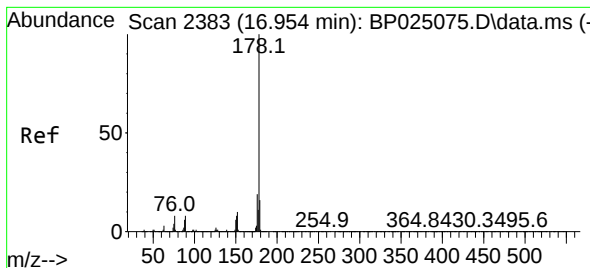
Tgt Ion:200 Resp: 248369  
 Ion Ratio Lower Upper  
 200 100  
 173 24.9 6.6 46.6  
 215 48.5 28.0 68.0



#70  
 Pentachlorophenol  
 Concen: 9.296 ng  
 RT: 16.542 min Scan# 2313  
 Delta R.T. -0.006 min  
 Lab File: BP025101.D  
 Acq: 11 Jul 2025 12:55

Tgt Ion:266 Resp: 180546  
 Ion Ratio Lower Upper  
 266 100  
 268 63.6 50.4 75.6  
 264 63.4 50.2 75.2





#71

Phenanthrene

Concen: 10.227 ng

RT: 16.942 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

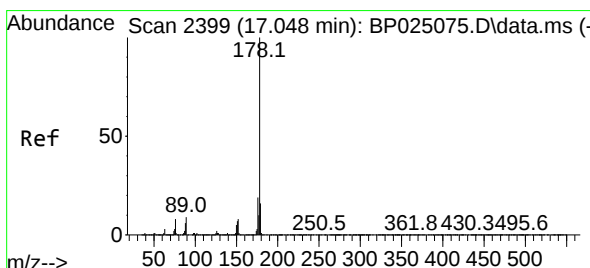
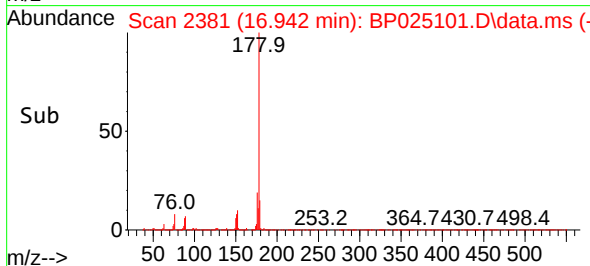
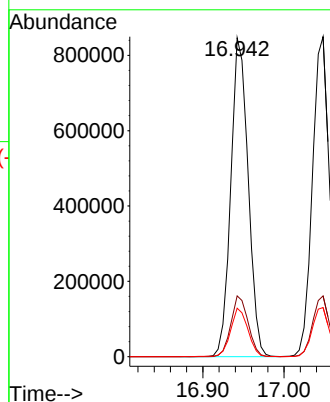
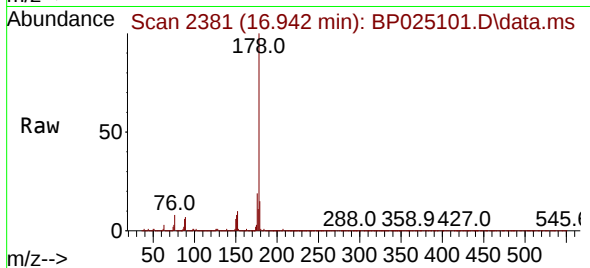
Tgt Ion:178 Resp: 1255742

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.2 12.6 19.0



#72

Anthracene

Concen: 10.535 ng

RT: 17.048 min Scan# 2399

Delta R.T. 0.000 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

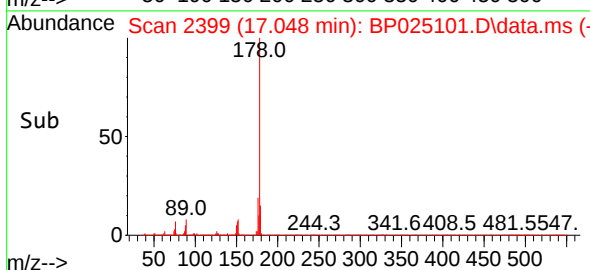
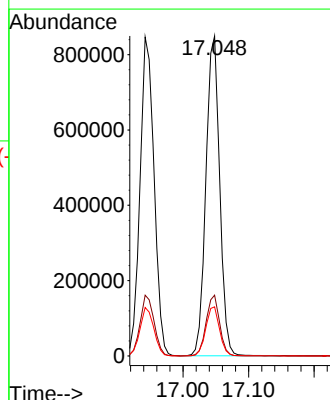
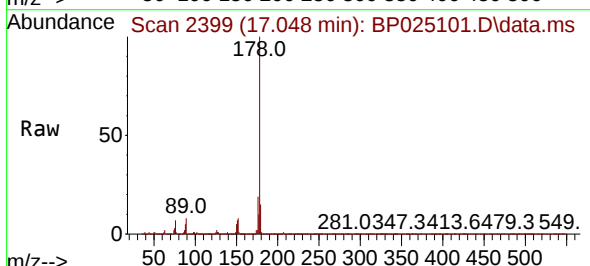
Tgt Ion:178 Resp: 1240984

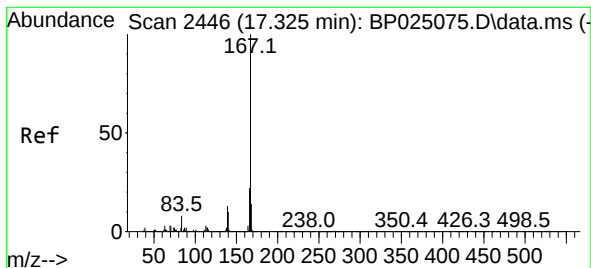
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 15.4 12.5 18.7





#73

Carbazole

Concen: 10.316 ng

RT: 17.325 min Scan# 2446

Delta R.T. 0.000 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

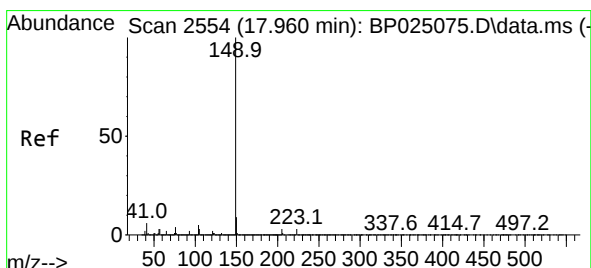
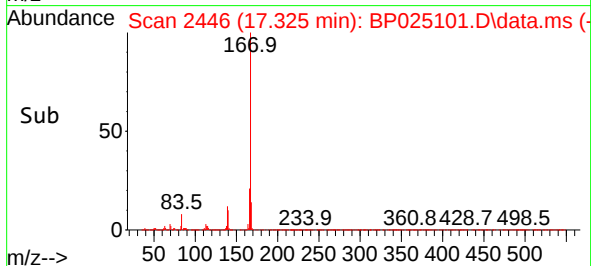
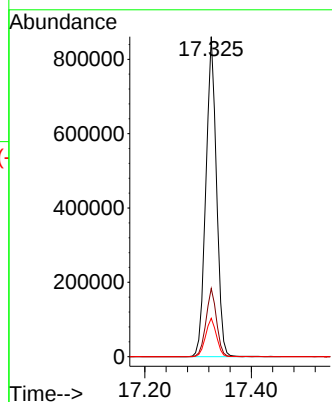
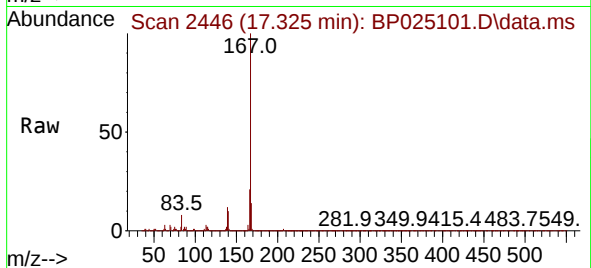
Tgt Ion:167 Resp: 1188112

Ion Ratio Lower Upper

167 100

166 21.3 17.4 26.0

139 12.0 10.4 15.6



#74

Di-n-butylphthalate

Concen: 10.689 ng

RT: 17.966 min Scan# 2555

Delta R.T. 0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

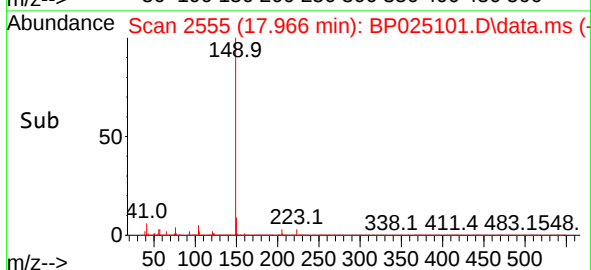
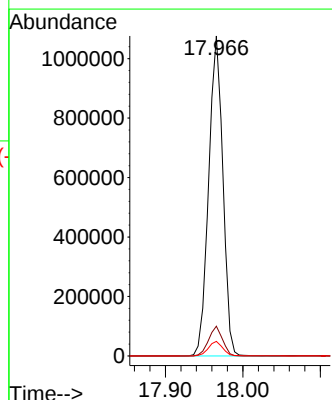
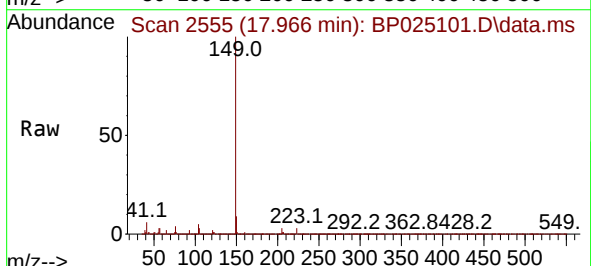
Tgt Ion:149 Resp: 1370946

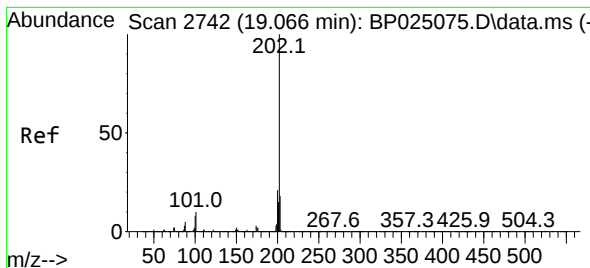
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 4.5 3.8 5.6





#75

Fluoranthene

Concen: 10.157 ng

RT: 19.054 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

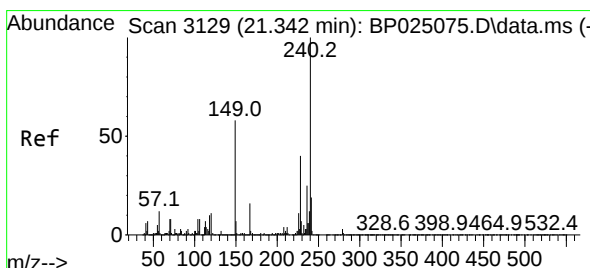
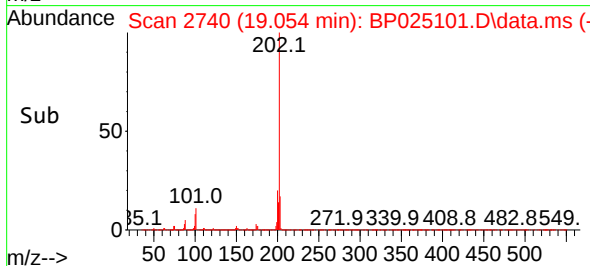
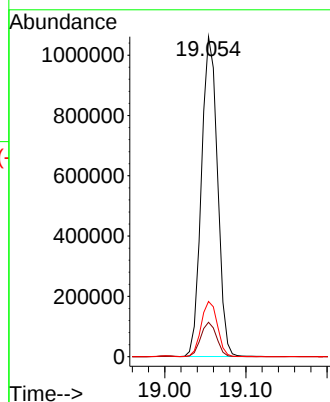
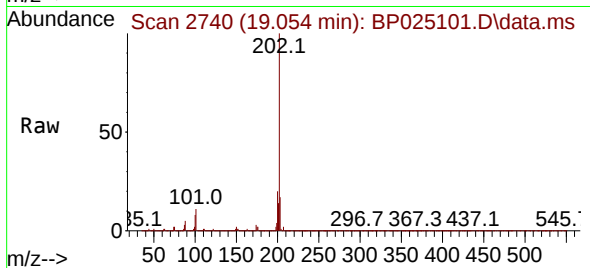
Tgt Ion:202 Resp: 1457801

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.4

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.354 min Scan# 3131

Delta R.T. 0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

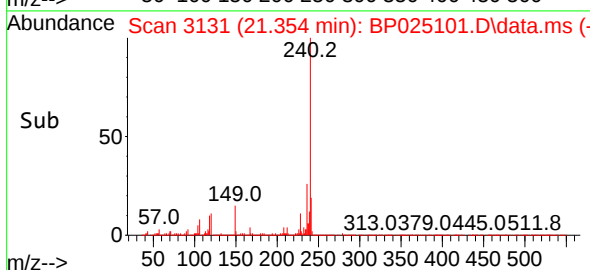
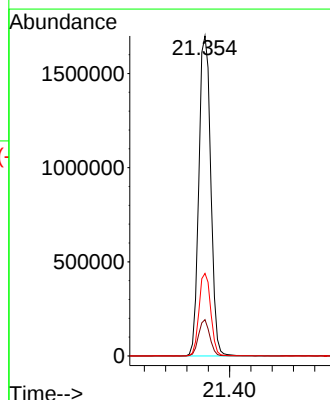
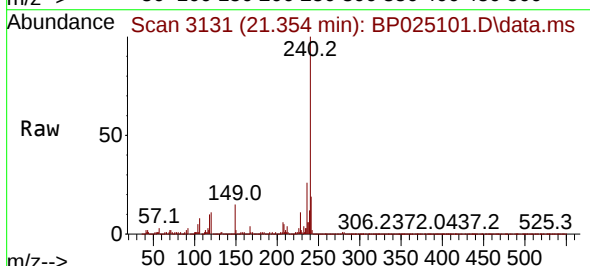
Tgt Ion:240 Resp: 2630205

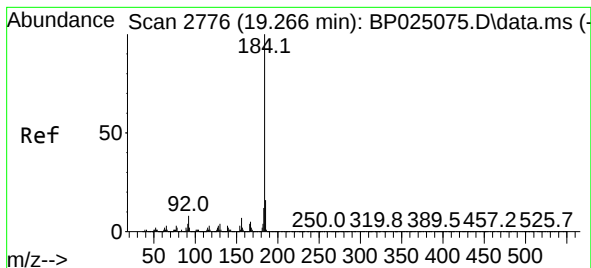
Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

236 25.8 20.3 30.5





#77

Benzidine

Concen: 15.344 ng

RT: 19.272 min Scan# 2777

Delta R.T. 0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

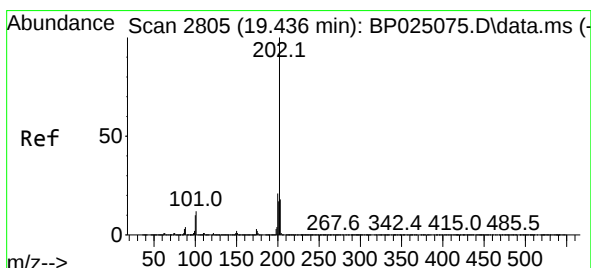
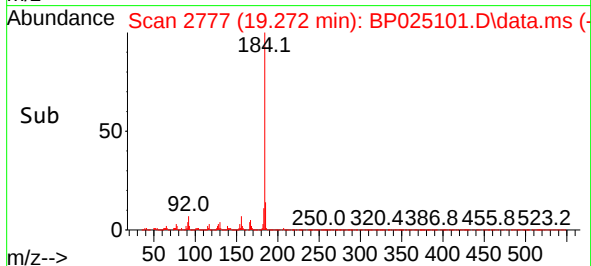
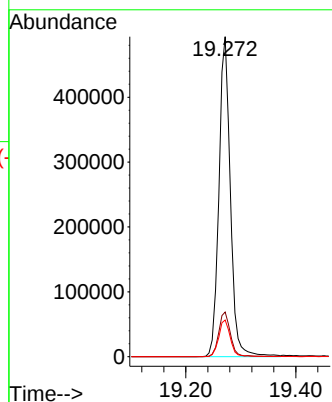
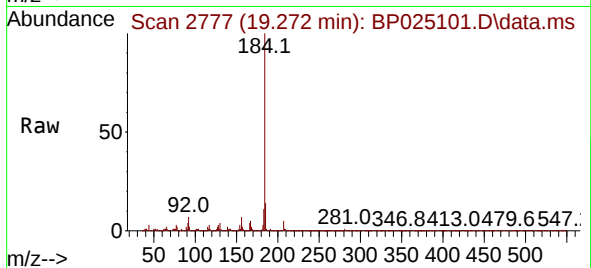
Tgt Ion:184 Resp: 712796

Ion Ratio Lower Upper

184 100

185 13.9 12.6 18.8

183 11.5 9.4 14.2



#78

Pyrene

Concen: 9.567 ng

RT: 19.430 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

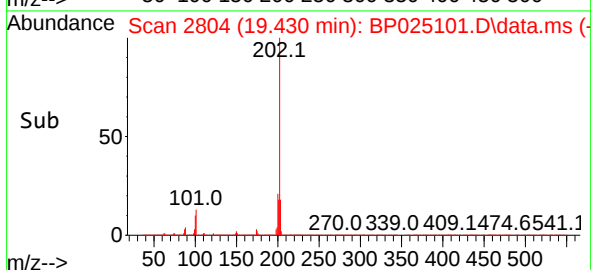
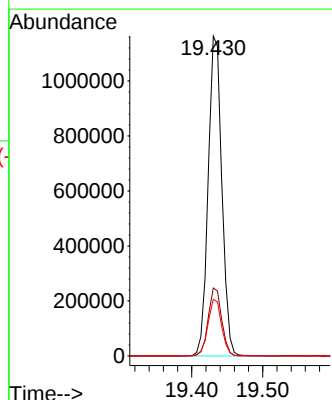
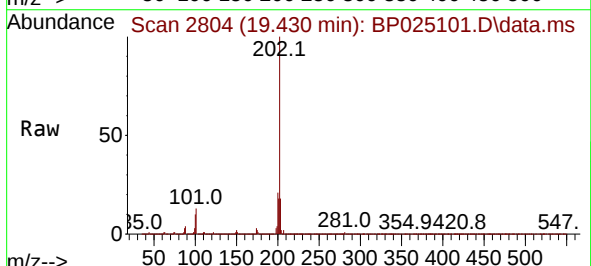
Tgt Ion:202 Resp: 1558552

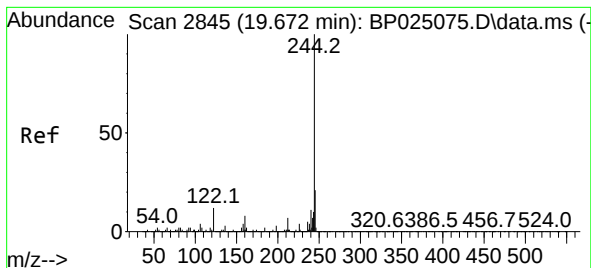
Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.7 14.1 21.1





#79

Terphenyl-d14

Concen: 90.659 ng

RT: 19.689 min Scan# 2848

Delta R.T. 0.018 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

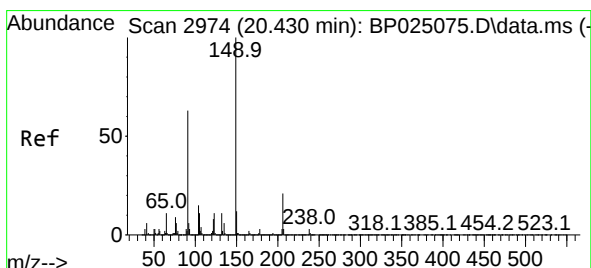
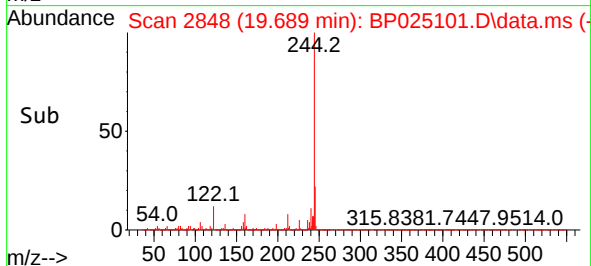
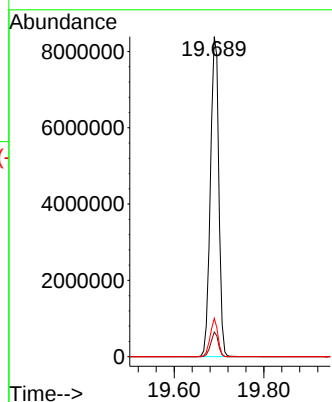
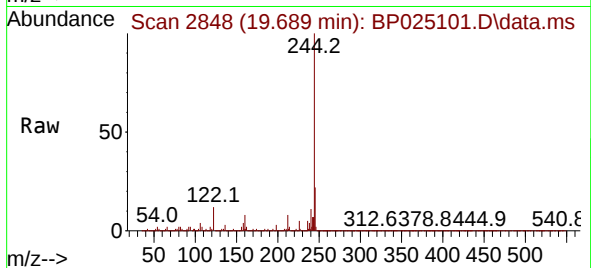
Tgt Ion:244 Resp:10849593

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 12.0 9.4 14.2



#80

Butylbenzylphthalate

Concen: 12.645 ng

RT: 20.442 min Scan# 2976

Delta R.T. 0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

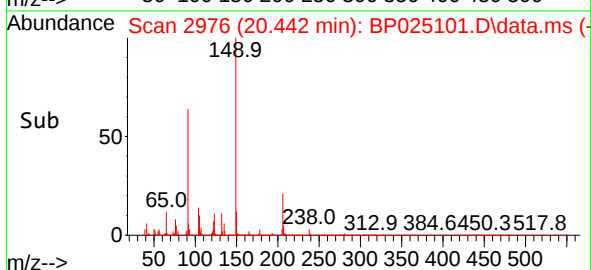
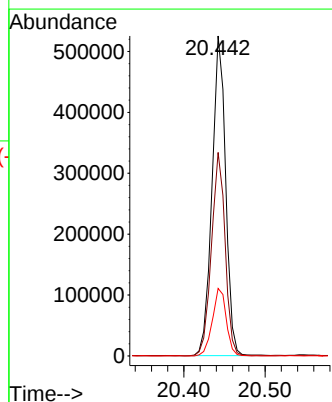
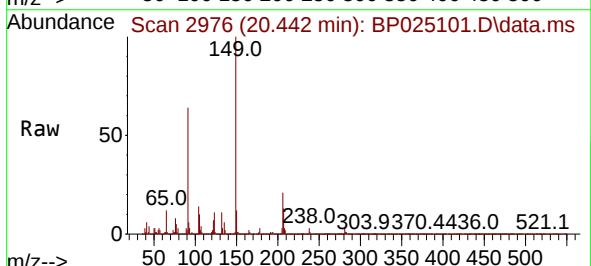
Tgt Ion:149 Resp: 609330

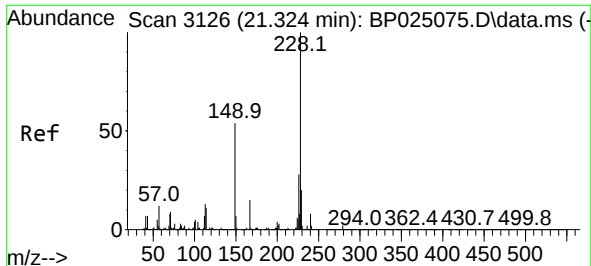
Ion Ratio Lower Upper

149 100

91 63.6 50.6 76.0

206 21.1 17.2 25.8

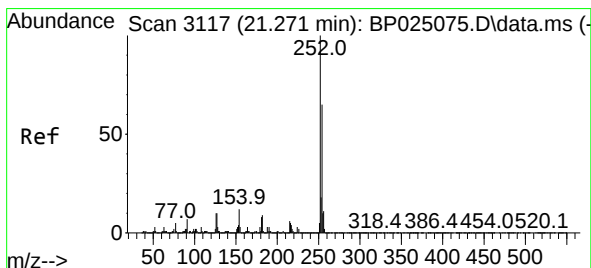
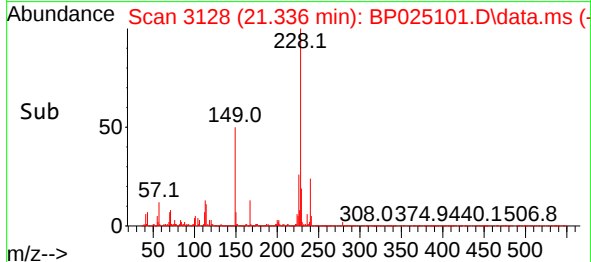
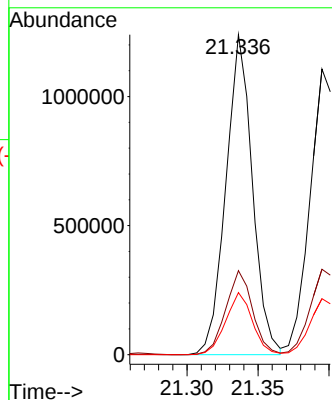
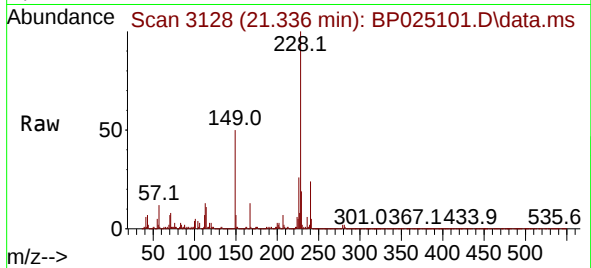




#81  
Benzo(a)anthracene  
Concen: 10.083 ng  
RT: 21.336 min Scan# 3116  
Delta R.T. 0.012 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

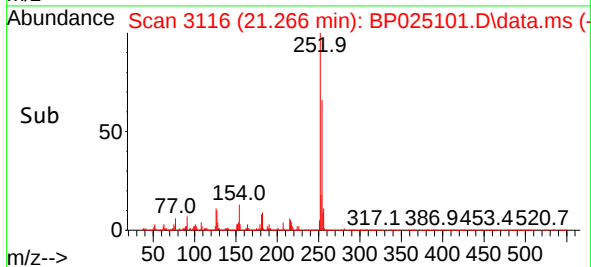
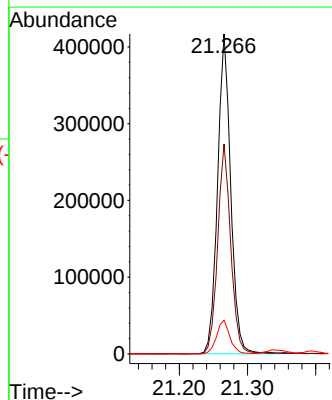
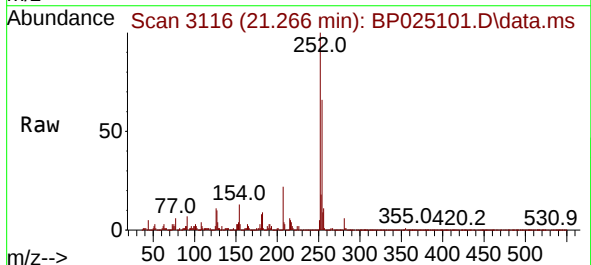
Instrument :  
BNA\_P  
ClientSampleId :  
LOQ-SOIL-02-QT2-2025

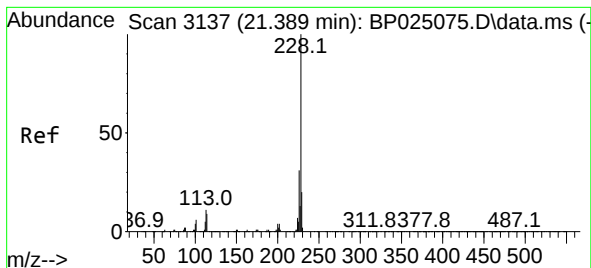
Tgt Ion:228 Resp: 1607141  
Ion Ratio Lower Upper  
228 100  
226 26.3 22.1 33.1  
229 19.4 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 11.685 ng  
RT: 21.266 min Scan# 3116  
Delta R.T. -0.006 min  
Lab File: BP025101.D  
Acq: 11 Jul 2025 12:55

Tgt Ion:252 Resp: 560683  
Ion Ratio Lower Upper  
252 100  
254 65.6 51.9 77.9  
126 10.5 8.1 12.1





#83

Chrysene

Concen: 9.946 ng

RT: 21.395 min Scan# 3138

Delta R.T. 0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

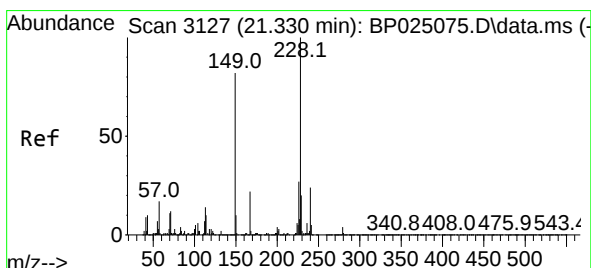
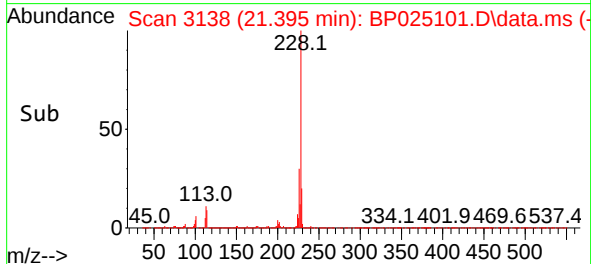
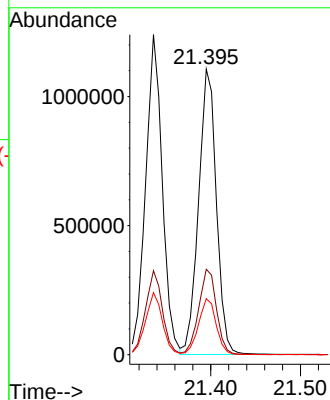
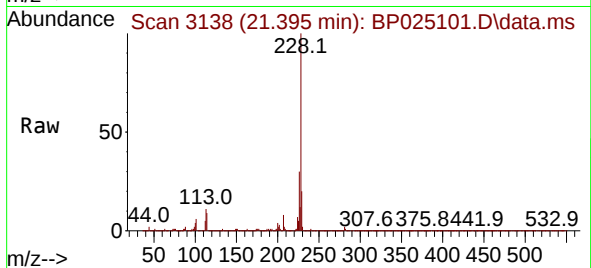
Tgt Ion:228 Resp: 1525683

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

229 19.6 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.117 ng

RT: 21.342 min Scan# 3129

Delta R.T. 0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

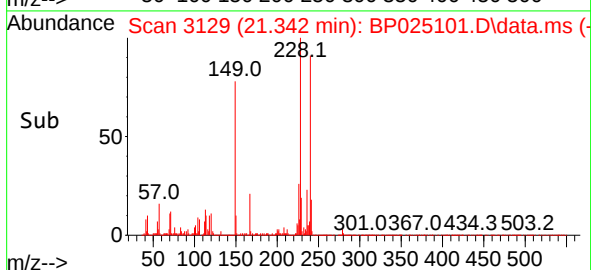
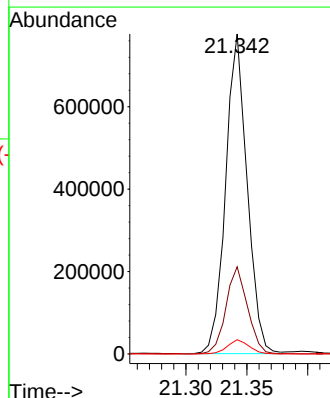
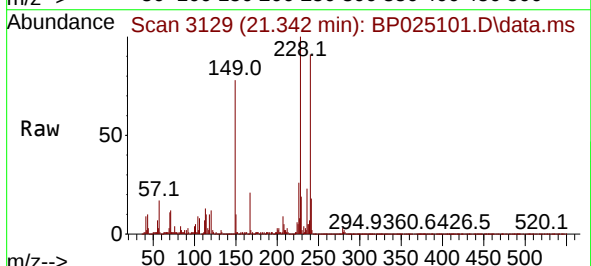
Tgt Ion:149 Resp: 950464

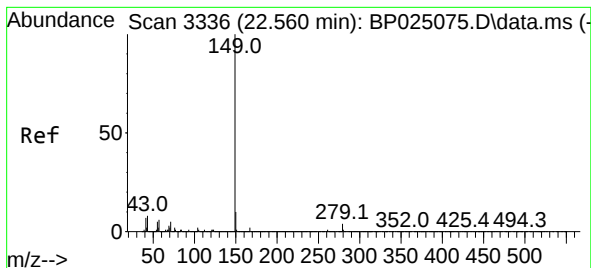
Ion Ratio Lower Upper

149 100

167 27.2 21.9 32.9

279 4.4 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 14.408 ng

RT: 22.560 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

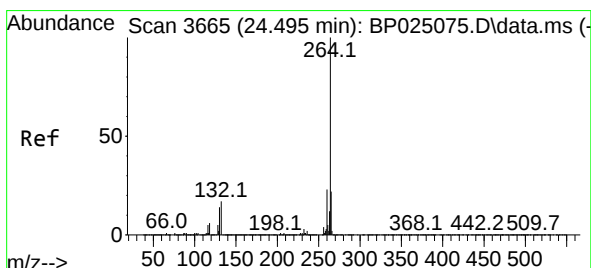
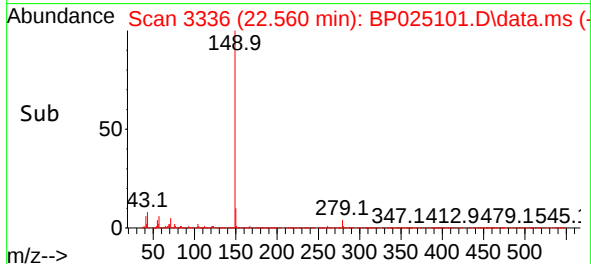
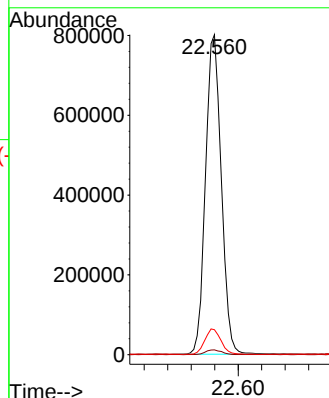
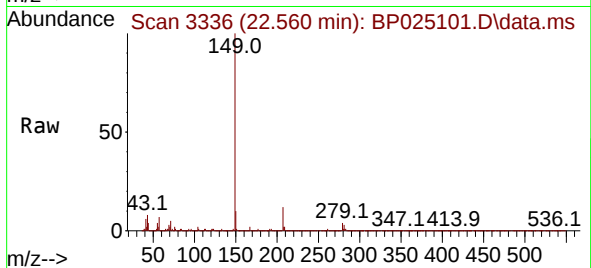
Tgt Ion:149 Resp: 1492309

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.501 min Scan# 3666

Delta R.T. 0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

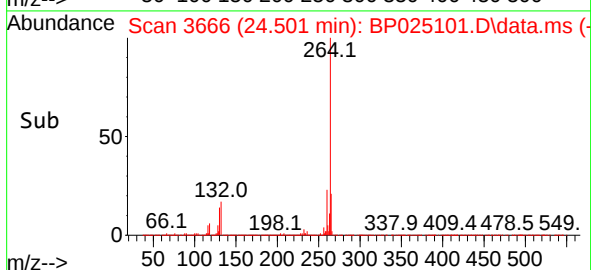
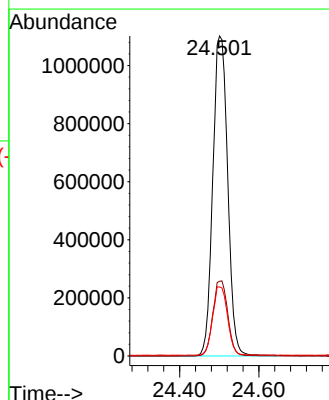
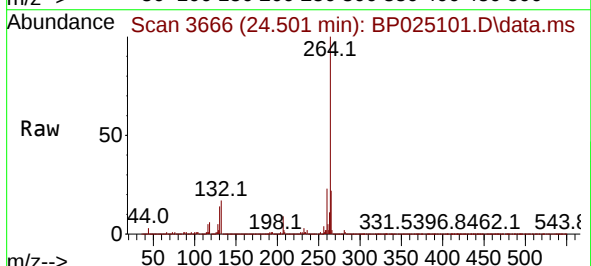
Tgt Ion:264 Resp: 2869219

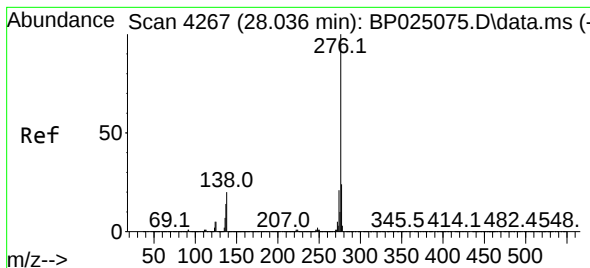
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.313 ng

RT: 28.030 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

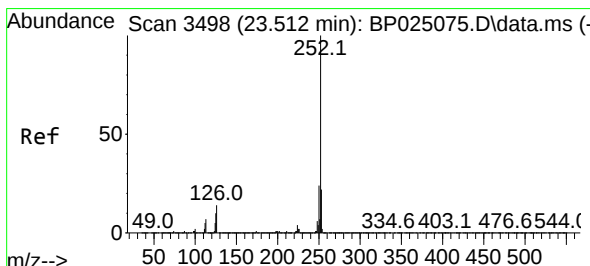
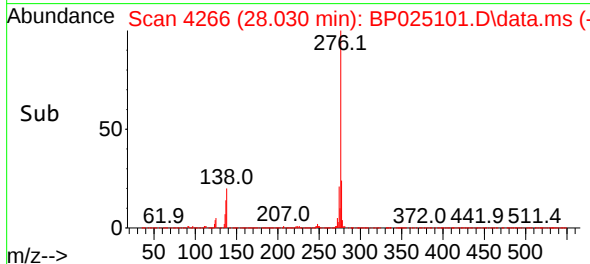
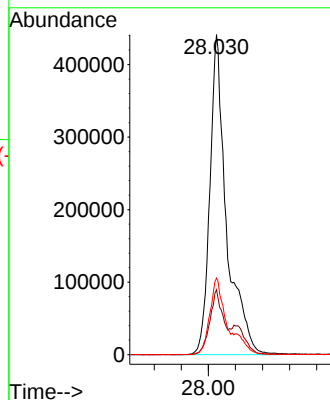
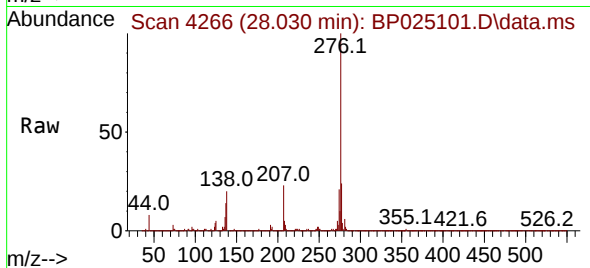
Tgt Ion:276 Resp: 1884997

Ion Ratio Lower Upper

276 100

138 17.2 13.0 19.6

277 25.3 15.9 23.9#



#88

Benzo(b)fluoranthene

Concen: 9.486 ng

RT: 23.513 min Scan# 3498

Delta R.T. 0.000 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

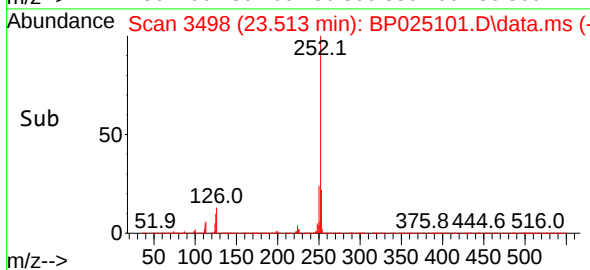
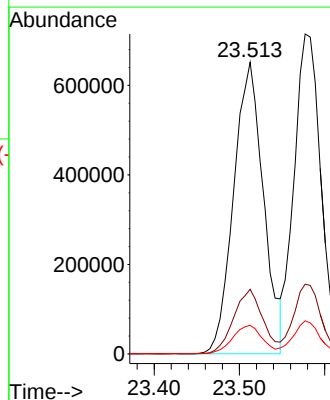
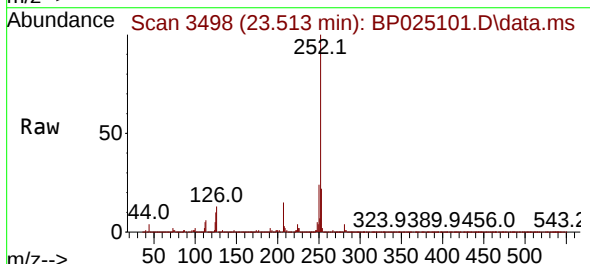
Tgt Ion:252 Resp: 1584197

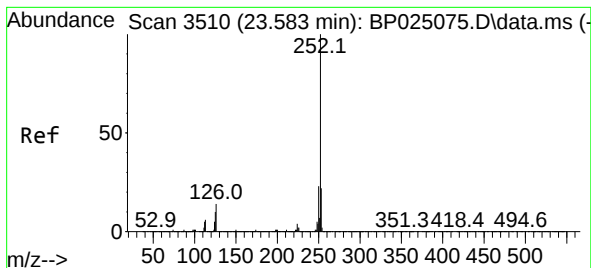
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 9.8 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 9.446 ng

RT: 23.577 min Scan# 3509

Delta R.T. -0.006 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

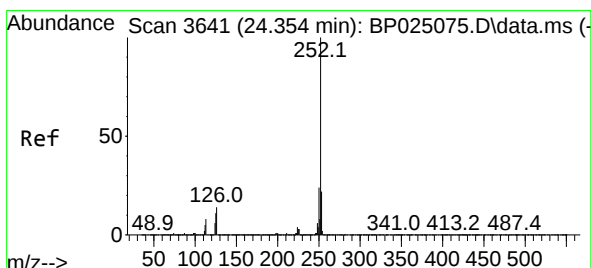
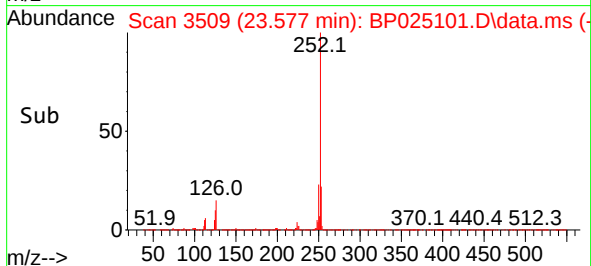
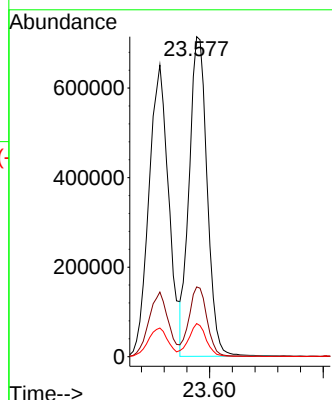
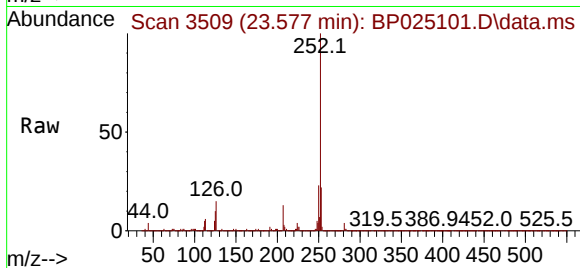
Tgt Ion:252 Resp: 1569639

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.3 8.2 12.2



#90

Benzo(a)pyrene

Concen: 10.537 ng

RT: 24.354 min Scan# 3641

Delta R.T. 0.000 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

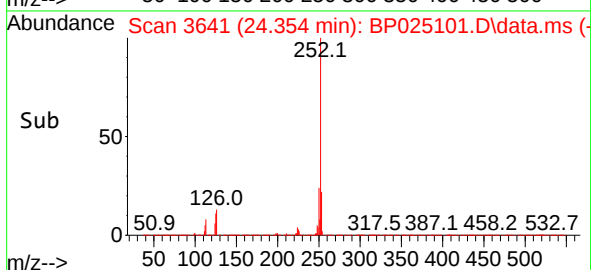
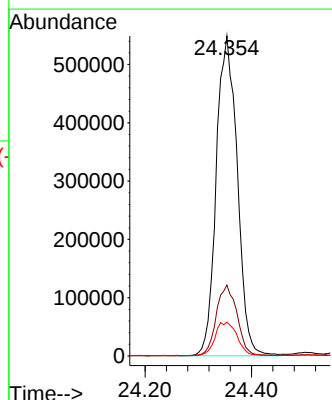
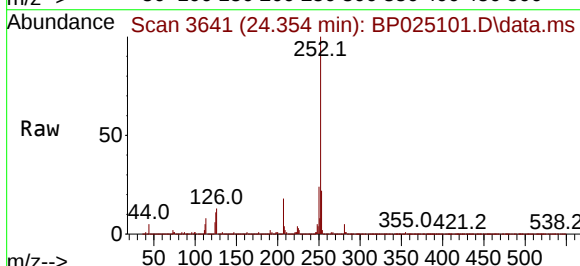
Tgt Ion:252 Resp: 1497686

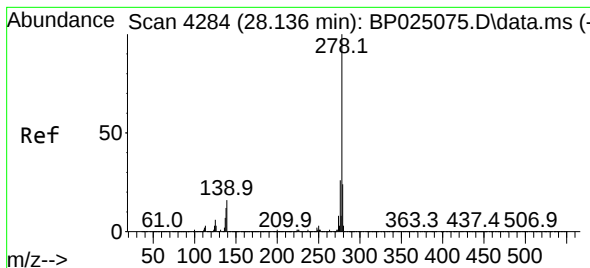
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.6 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 10.160 ng

RT: 28.106 min Scan# 41

Delta R.T. -0.029 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Instrument :

BNA\_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

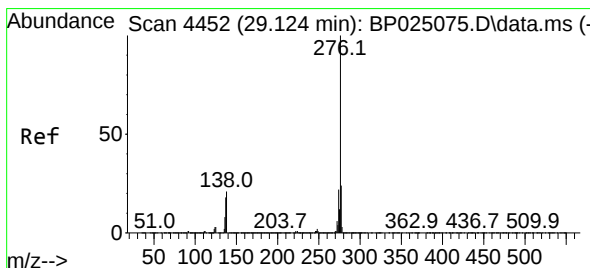
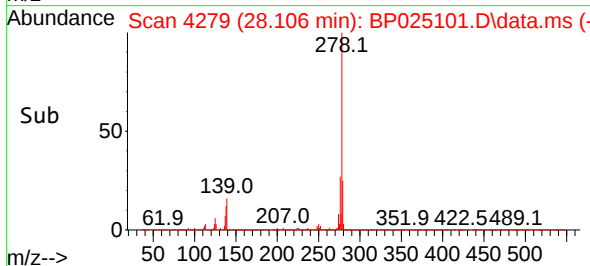
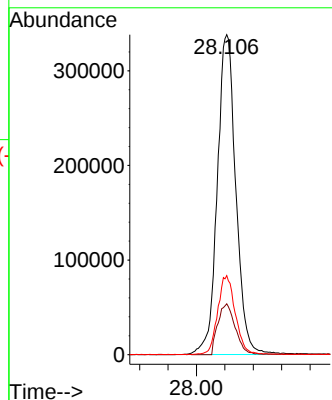
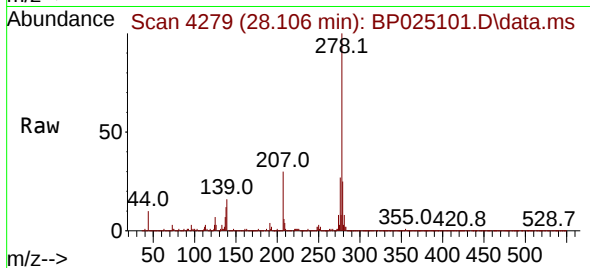
Tgt Ion:278 Resp: 1535044

Ion Ratio Lower Upper

278 100

139 15.9 13.1 19.7

279 24.7 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 9.726 ng

RT: 29.112 min Scan# 4450

Delta R.T. -0.012 min

Lab File: BP025101.D

Acq: 11 Jul 2025 12:55

Tgt Ion:276 Resp: 1517980

Ion Ratio Lower Upper

276 100

277 23.0 19.3 28.9

138 21.6 16.9 25.3

