

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081224\  
 Data File : BM047155.D  
 Acq On : 12 Aug 2024 13:45  
 Operator : RC/JU  
 Sample : P3390-01  
 Misc : LOD-MDL-SOIL-8NG  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 12 15:07:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 11 23:47:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.375  | 152  | 301603   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.128 | 136  | 1319220  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.027 | 164  | 875363   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.792 | 188  | 1984819  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.027 | 240  | 1868008  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.727 | 264  | 2209570  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.022  | 112  | 2277744  | 134.944 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.587  | 99   | 3206631  | 137.872 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.522  | 82   | 2210926  | 84.389  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.539 | 330  | 1494230  | 147.215 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.639 | 172  | 4809226  | 84.746  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.462 | 244  | 8310315  | 95.326  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.040  | 88   | 60576    | 8.662   | ng    | 98       |
| 3) Pyridine                   | 3.416  | 79   | 153303   | 7.475   | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.328  | 42   | 76357    | 8.522   | ng    | # 94     |
| 6) Aniline                    | 6.722  | 93   | 240253   | 10.929  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.945  | 128  | 162072   | 8.804   | ng    | 99       |
| 9) Benzaldehyde               | 6.534  | 77   | 157805   | 9.562   | ng    | 97       |
| 10) Phenol                    | 6.610  | 94   | 192428   | 8.292   | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.822  | 93   | 177901   | 8.951   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.263  | 146  | 184379   | 8.428   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.404  | 146  | 188281   | 8.500   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.716  | 146  | 185290   | 8.866   | ng    | 99       |
| 15) Benzyl Alcohol            | 7.622  | 79   | 159294   | 9.623   | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.910  | 45   | 239956   | 9.409   | ng    | 99       |
| 17) 2-Methylphenol            | 7.828  | 107  | 136114   | 8.791   | ng    | 97       |
| 18) Hexachloroethane          | 8.422  | 117  | 72153    | 8.410   | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.181  | 70   | 149817   | 9.563   | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.157  | 107  | 187470   | 8.661   | ng    | 98       |
| 22) Acetophenone              | 8.192  | 105  | 283572   | 8.905   | ng    | 97       |
| 24) Nitrobenzene              | 8.557  | 77   | 219218   | 8.310   | ng    | 98       |
| 25) Isophorone                | 9.086  | 82   | 395130   | 8.662   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.263  | 139  | 86680    | 7.419   | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.339  | 122  | 118339   | 8.647   | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 9.575  | 93   | 250978   | 8.744   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 9.792  | 162  | 160657   | 7.912   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 9.998  | 180  | 183738   | 7.995   | ng    | 99       |
| 31) Naphthalene               | 10.175 | 128  | 549144   | 8.356   | ng    | 99       |
| 32) Benzoic acid              | 9.451  | 122  | 83856    | 5.274   | ng    | 97       |
| 33) 4-Chloroaniline           | 10.304 | 127  | 230411   | 9.117   | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.463 | 225  | 100157   | 7.446   | ng    | 99       |
| 35) Caprolactam               | 11.092 | 113  | 56187    | 7.968   | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.445 | 107  | 171398   | 7.925   | ng    | 100      |
| 37) 2-Methylnaphthalene       | 11.804 | 142  | 388888   | 8.311   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.027 | 142  | 378233   | 8.179   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.186 | 216  | 193693   | 8.112   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.163 | 237  | 78745    | 9.445   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.439 | 196  | 130760   | 7.705   | ng    | 98       |

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 Sample : P3390-01  
 Misc : LOD-MDL-SOIL-8NG  
 ALS Vial : 6 Sample Multiplier: 1

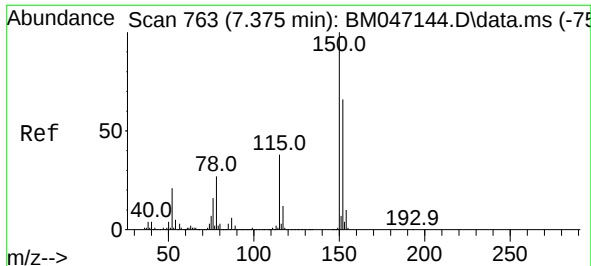
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2024

Quant Time: Aug 12 15:07:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM081024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 11 23:47:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.516 | 196  | 143074   | 7.593  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 12.851 | 154  | 532580   | 8.546  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 12.886 | 162  | 419024   | 8.603  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.110 | 65   | 128878   | 8.446  | ng    | 94       |
| 49) Acenaphthylene            | 13.745 | 152  | 691183   | 9.627  | ng    | 99       |
| 50) Dimethylphthalate         | 13.504 | 163  | 541905   | 8.864  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.621 | 165  | 115771   | 8.101  | ng    | 96       |
| 52) Acenaphthene              | 14.092 | 154  | 393925   | 8.649  | ng    | 99       |
| 53) 3-Nitroaniline            | 13.951 | 138  | 120154   | 8.390  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.168 | 184  | 48953    | 5.715  | ng    | 94       |
| 55) Dibenzofuran              | 14.433 | 168  | 651379   | 9.055  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.292 | 139  | 95429    | 7.728  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 14.421 | 165  | 152018   | 7.969  | ng    | 92       |
| 58) Fluorene                  | 15.092 | 166  | 531643   | 8.957  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.674 | 232  | 127898   | 8.259  | ng    | 94       |
| 60) Diethylphthalate          | 14.892 | 149  | 547764   | 8.774  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.098 | 204  | 246708   | 8.730  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.127 | 138  | 125657   | 8.907  | ng    | 95       |
| 63) Azobenzene                | 15.392 | 77   | 537085   | 9.073  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.192 | 198  | 77257    | 6.648  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.315 | 169  | 461350   | 8.534  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 15.992 | 248  | 146776   | 7.674  | ng    | 94       |
| 68) Hexachlorobenzene         | 16.098 | 284  | 182329   | 7.960  | ng    | 99       |
| 69) Atrazine                  | 16.286 | 200  | 163422   | 10.046 | ng    | 98       |
| 70) Pentachlorophenol         | 16.451 | 266  | 101680   | 6.332  | ng    | 99       |
| 71) Phenanthrene              | 16.833 | 178  | 858077   | 8.614  | ng    | 99       |
| 72) Anthracene                | 16.921 | 178  | 845394   | 8.722  | ng    | 100      |
| 73) Carbazole                 | 17.204 | 167  | 821269   | 8.299  | ng    | 99       |
| 74) Di-n-butylphthalate       | 17.792 | 149  | 949251   | 8.244  | ng    | 99       |
| 75) Fluoranthene              | 18.868 | 202  | 985968   | 8.138  | ng    | 99       |
| 77) Benzidine                 | 19.074 | 184  | 346989   | 10.953 | ng    | 99       |
| 78) Pyrene                    | 19.233 | 202  | 1042805  | 7.818  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.174 | 149  | 421036   | 7.735  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.009 | 228  | 1011740  | 8.159  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 20.956 | 252  | 371226   | 9.568  | ng    | 99       |
| 83) Chrysene                  | 21.068 | 228  | 947196   | 8.051  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 20.974 | 149  | 629384   | 8.153  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.009 | 149  | 1001117  | 7.630  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.709 | 276  | 1133665  | 7.938  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.880 | 252  | 1055112  | 8.041  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 22.938 | 252  | 979390   | 7.902  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.597 | 252  | 887084   | 7.804  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.762 | 278  | 943732   | 8.165  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.638 | 276  | 912547   | 7.604  | ng    | 99       |

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

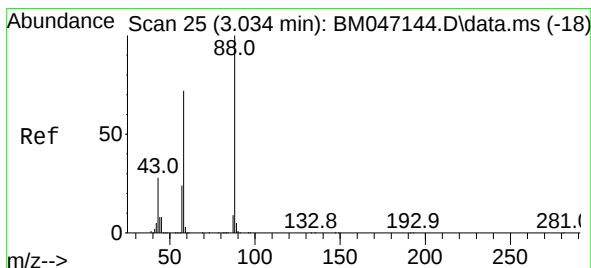
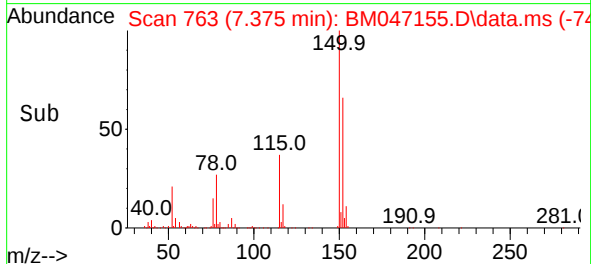
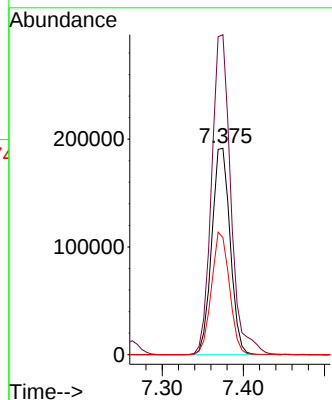
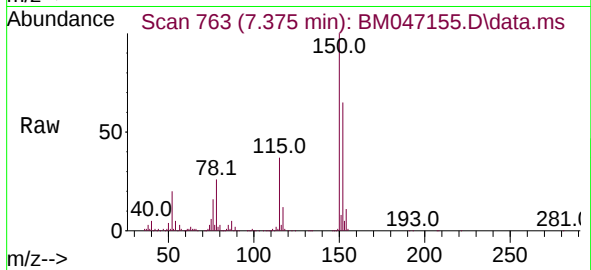




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.375 min Scan# 7  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

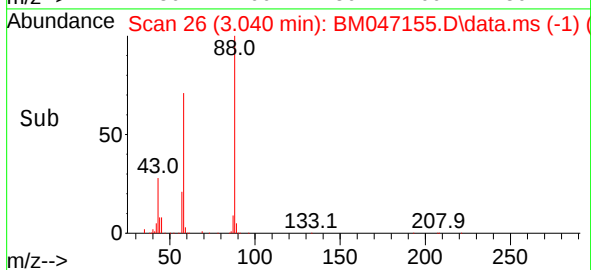
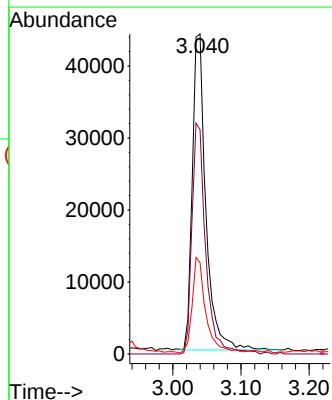
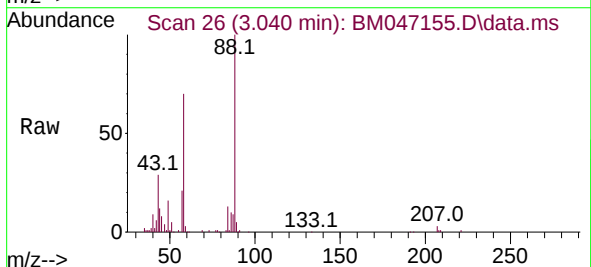
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

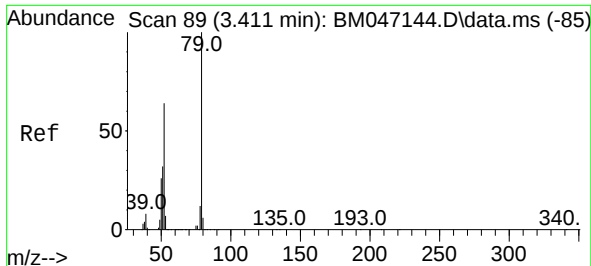
Tgt Ion:152 Resp: 301603  
Ion Ratio Lower Upper  
152 100  
150 155.0 120.5 180.7  
115 56.7 45.5 68.3



#2  
1,4-Dioxane  
Concen: 8.662 ng  
RT: 3.040 min Scan# 26  
Delta R.T. 0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 88 Resp: 60576  
Ion Ratio Lower Upper  
88 100  
58 73.9 58.2 87.4  
43 30.0 22.5 33.7





#3

Pyridine

Concen: 7.475 ng

RT: 3.416 min Scan# 90

Delta R.T. 0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

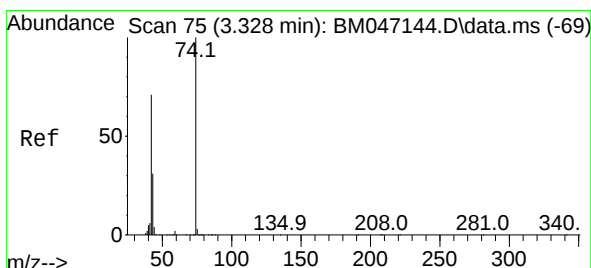
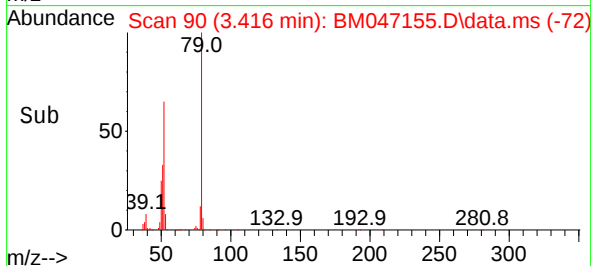
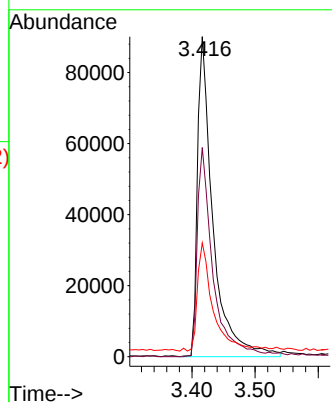
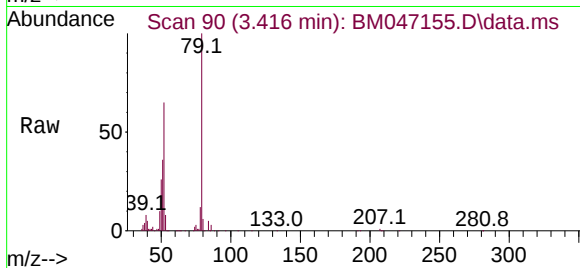
Tgt Ion: 79 Resp: 153303

Ion Ratio Lower Upper

79 100

52 65.4 51.2 76.8

51 35.6 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 8.522 ng

RT: 3.328 min Scan# 75

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

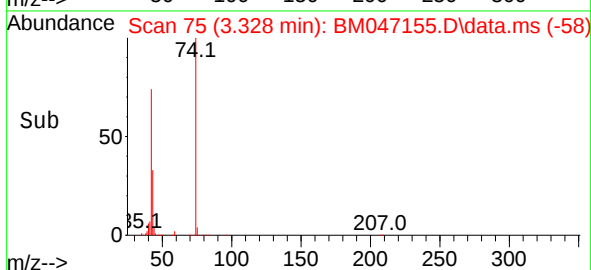
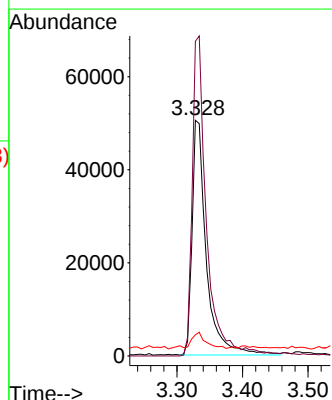
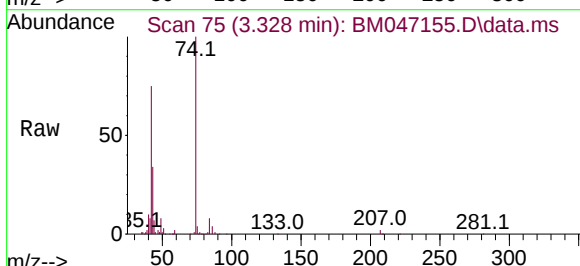
Tgt Ion: 42 Resp: 76357

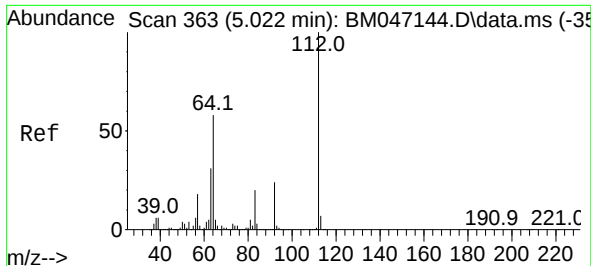
Ion Ratio Lower Upper

42 100

74 133.6 112.9 169.3

44 9.0 5.3 7.9#

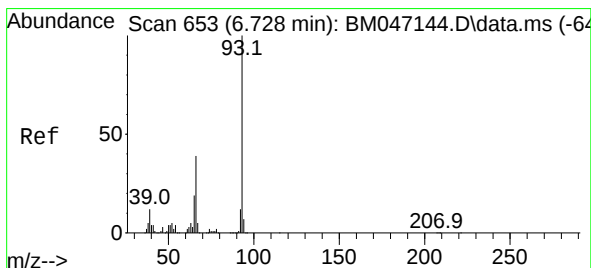
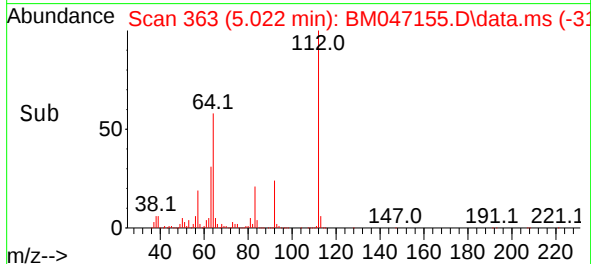
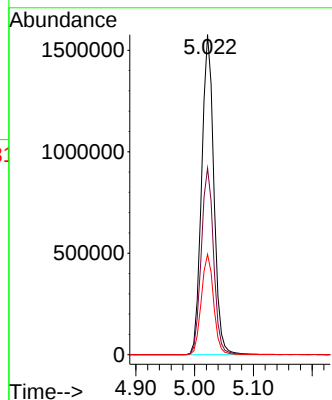
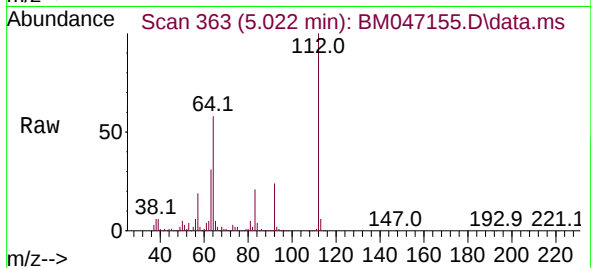




#5  
2-Fluorophenol  
Concen: 134.944 ng  
RT: 5.022 min Scan# 363  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

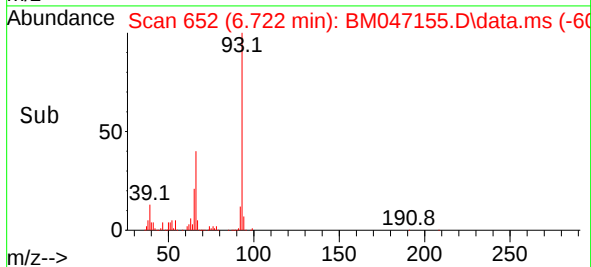
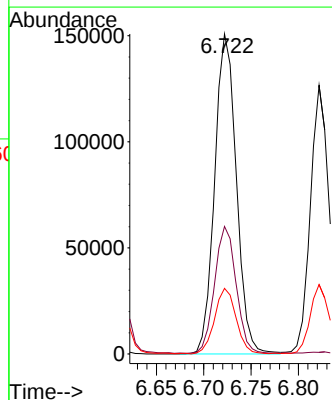
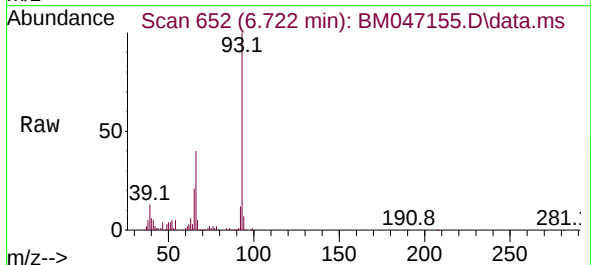
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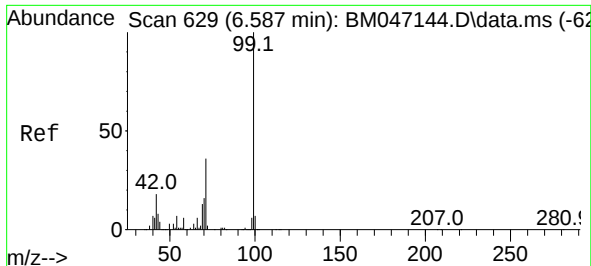
Tgt Ion:112 Resp: 2277744  
Ion Ratio Lower Upper  
112 100  
64 58.3 46.7 70.1  
63 31.3 24.8 37.2



#6  
Aniline  
Concen: 10.929 ng  
RT: 6.722 min Scan# 652  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 93 Resp: 240253  
Ion Ratio Lower Upper  
93 100  
66 39.8 31.4 47.2  
65 20.5 15.6 23.4

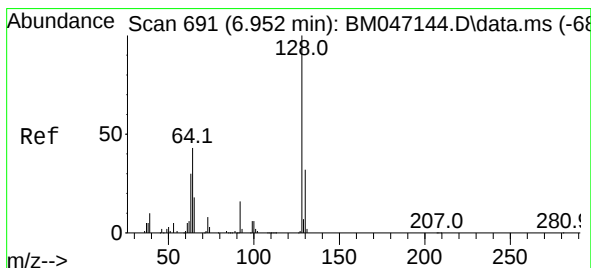
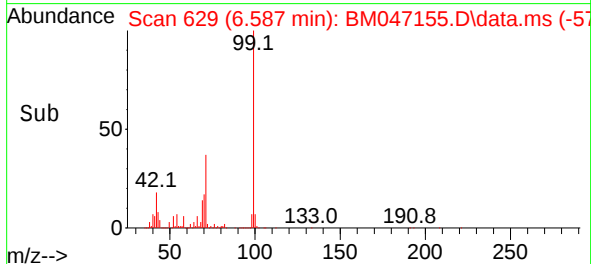
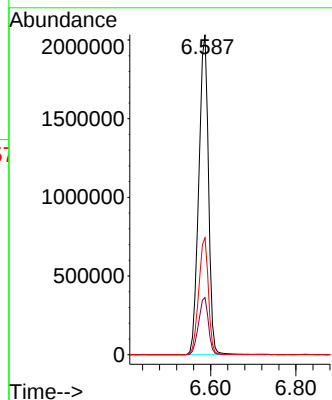
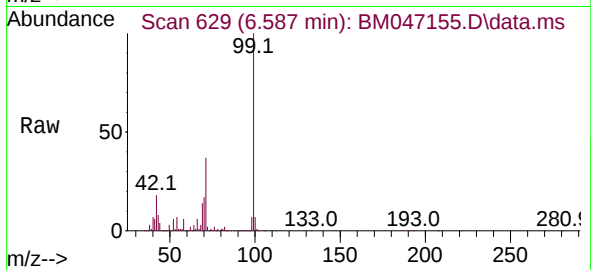




#7  
Phenol-d6  
Concen: 137.872 ng  
RT: 6.587 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

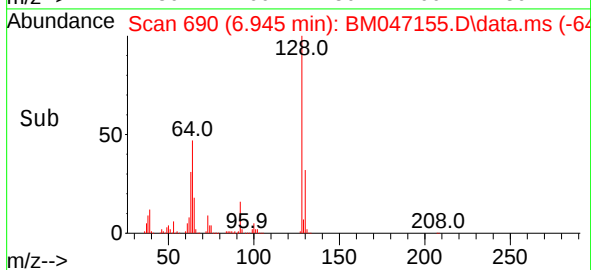
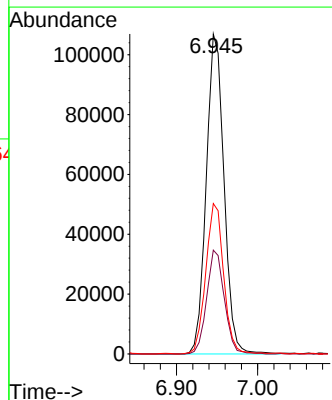
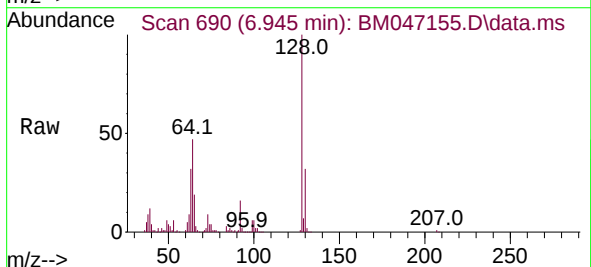
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

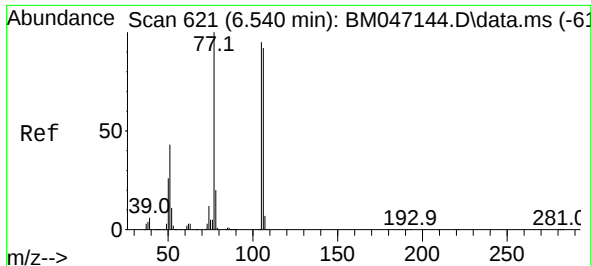
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Ion Ratio Lower Upper  
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42 17.9 14.1 21.1  
71 36.6 28.5 42.7



#8  
2-Chlorophenol  
Concen: 8.804 ng  
RT: 6.945 min Scan# 690  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 128 Resp: 162072  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.1 52.1  
64 47.0 26.6 66.6

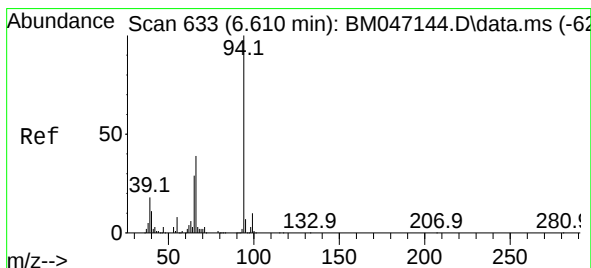
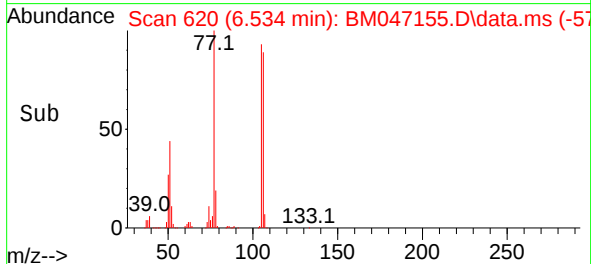
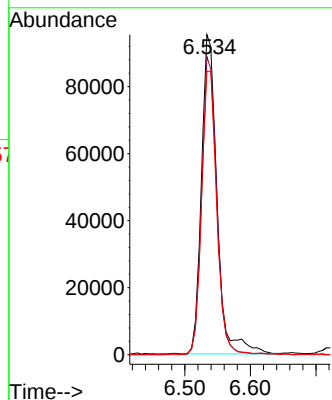
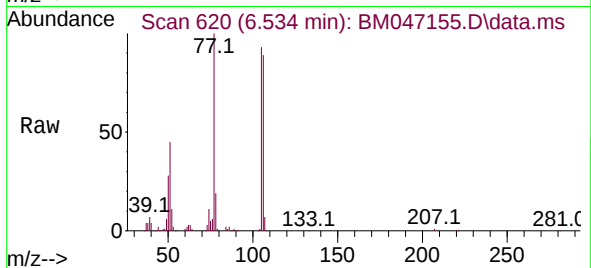




#9  
Benzaldehyde  
Concen: 9.562 ng  
RT: 6.534 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

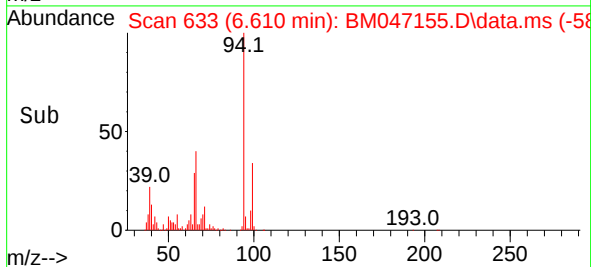
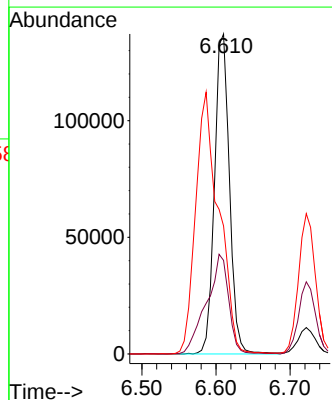
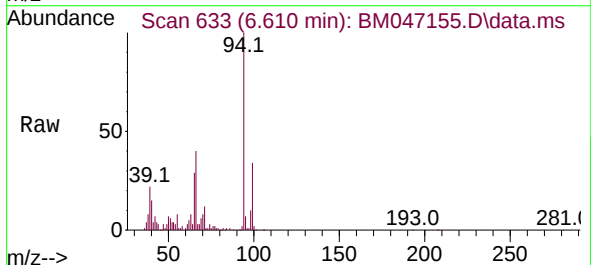
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

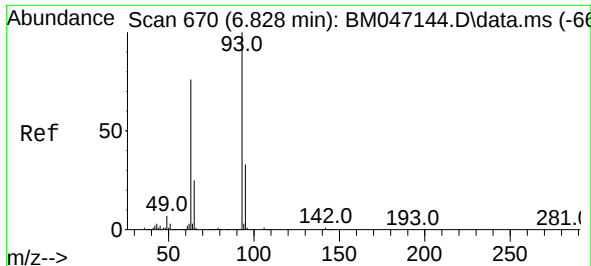
Tgt Ion: 77 Resp: 157805  
Ion Ratio Lower Upper  
77 100  
105 93.1 74.5 114.5  
106 88.5 72.3 112.3



#10  
Phenol  
Concen: 8.292 ng  
RT: 6.610 min Scan# 633  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 94 Resp: 192428  
Ion Ratio Lower Upper  
94 100  
65 29.3 9.0 49.0  
66 40.0 18.9 58.9

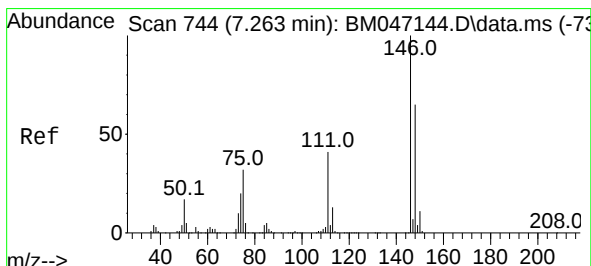
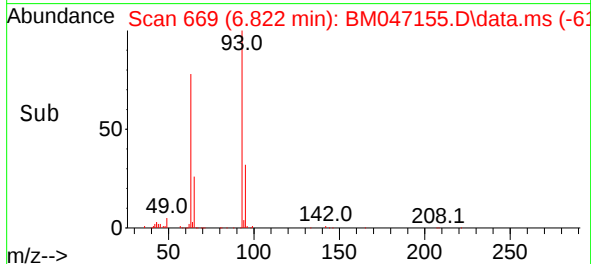
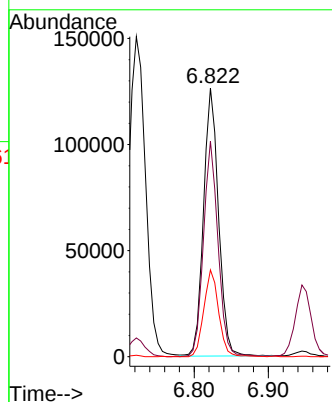
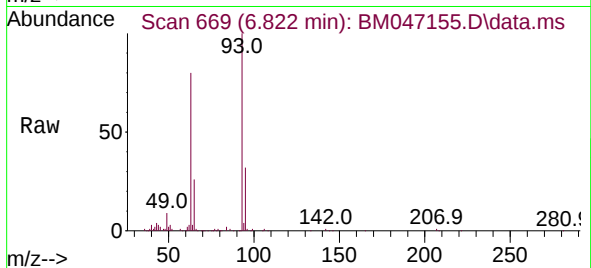




#11  
bis(2-Chloroethyl)ether  
Concen: 8.951 ng  
RT: 6.822 min Scan# 611  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

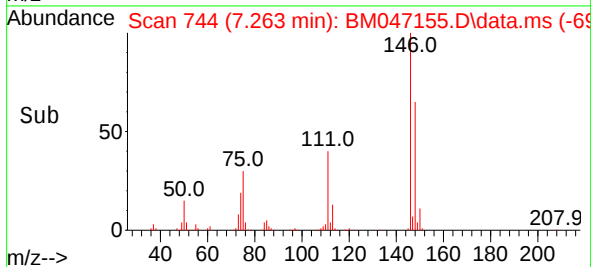
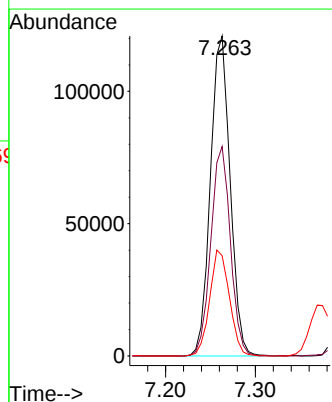
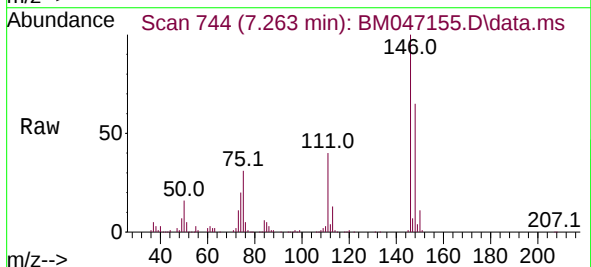
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

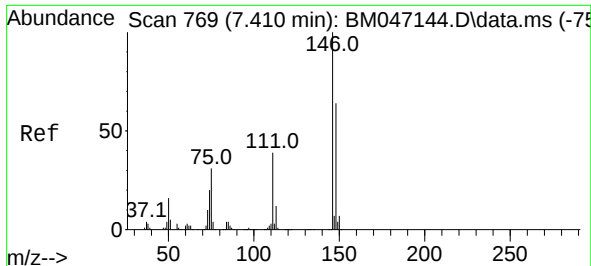
Tgt Ion: 93 Resp: 177901  
Ion Ratio Lower Upper  
93 100  
63 80.2 55.8 95.8  
95 32.3 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 8.428 ng  
RT: 7.263 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 146 Resp: 184379  
Ion Ratio Lower Upper  
146 100  
148 65.5 52.3 78.5  
75 31.4 25.8 38.6

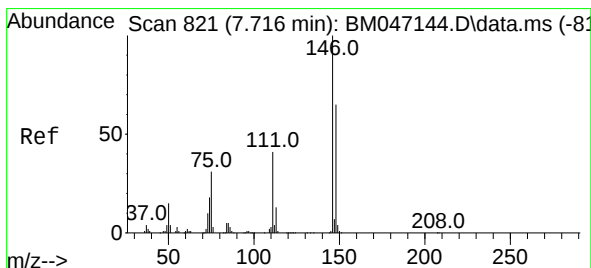
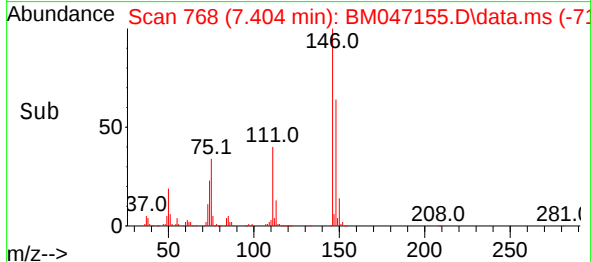
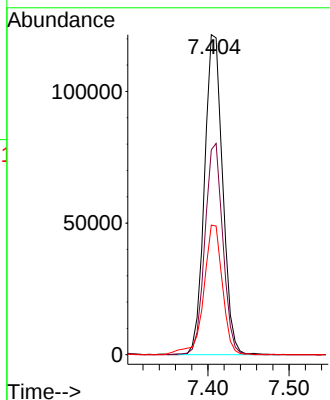
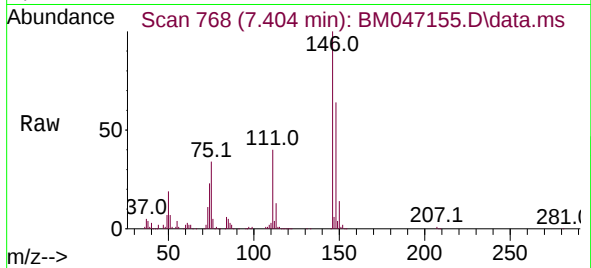




#13  
1,4-Dichlorobenzene  
Concen: 8.500 ng  
RT: 7.404 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

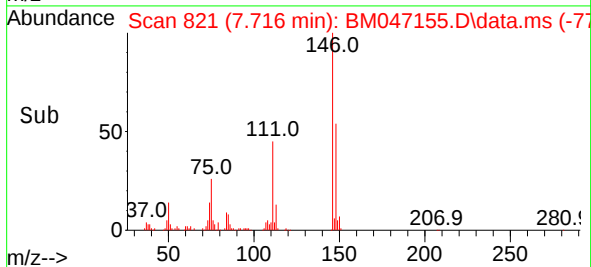
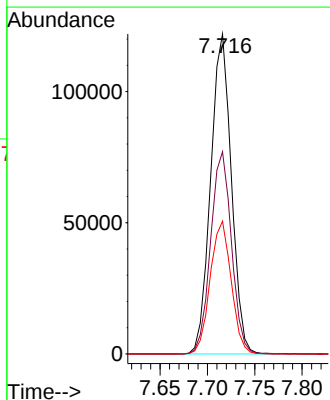
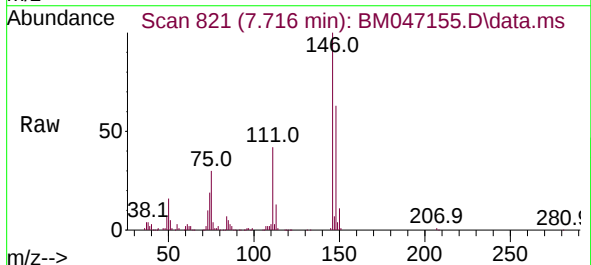
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

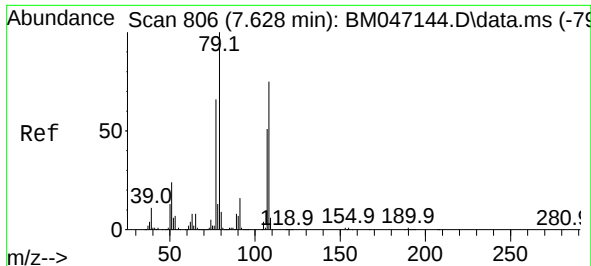
Tgt Ion:146 Resp: 188281  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.4 77.2  
111 40.5 31.5 47.3



#14  
1,2-Dichlorobenzene  
Concen: 8.866 ng  
RT: 7.716 min Scan# 821  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:146 Resp: 185290  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.8 77.8  
111 41.5 33.3 49.9

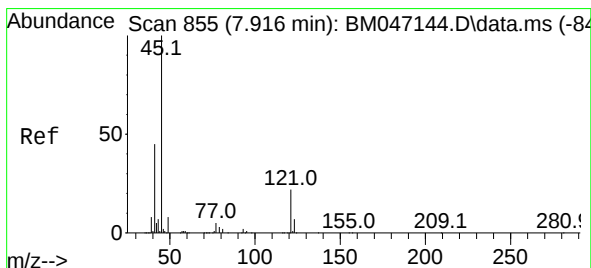
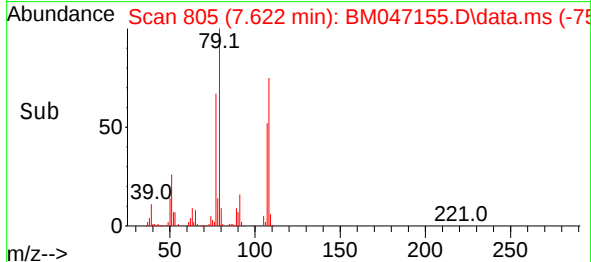
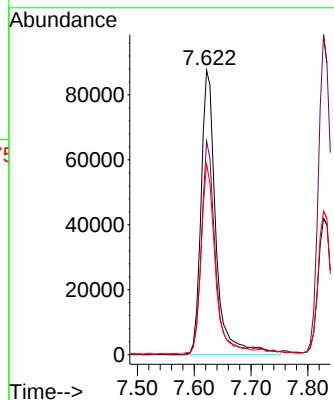
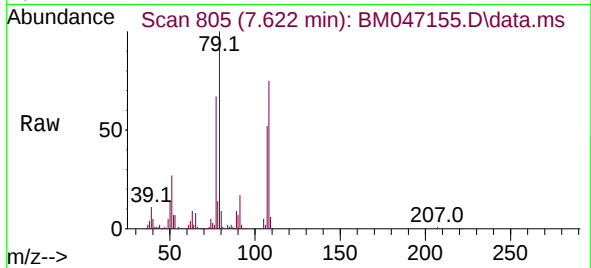




#15  
Benzyl Alcohol  
Concen: 9.623 ng  
RT: 7.622 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

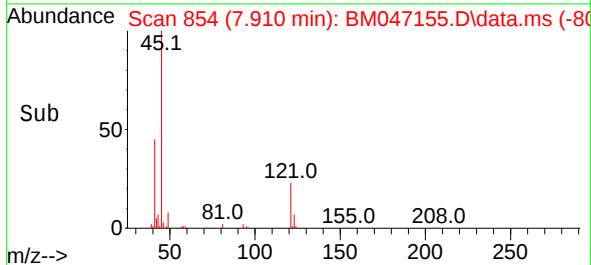
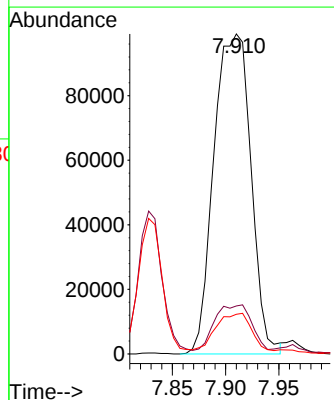
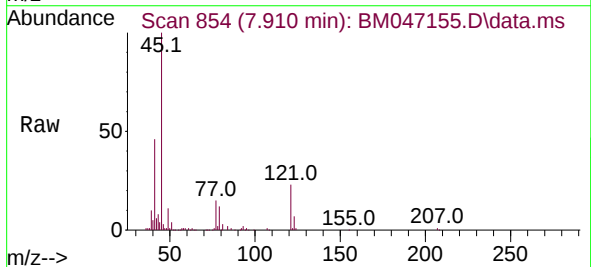
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

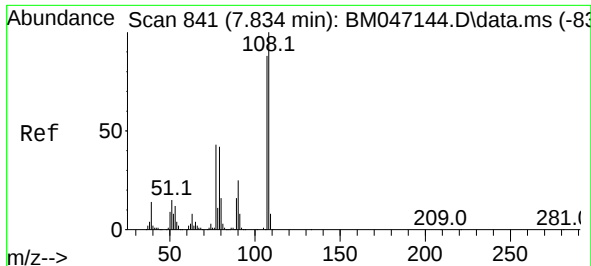
Tgt Ion: 79 Resp: 159294  
Ion Ratio Lower Upper  
79 100  
108 75.0 59.7 89.5  
77 67.0 52.9 79.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 9.409 ng  
RT: 7.910 min Scan# 854  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 45 Resp: 239956  
Ion Ratio Lower Upper  
45 100  
77 15.0 0.0 35.6  
79 12.4 0.0 32.4

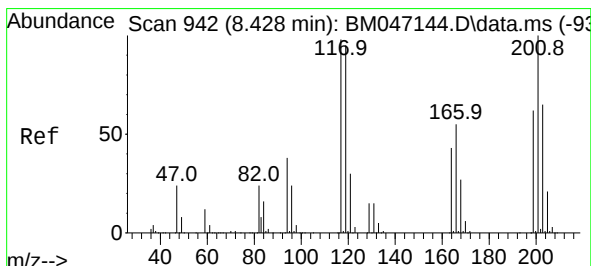
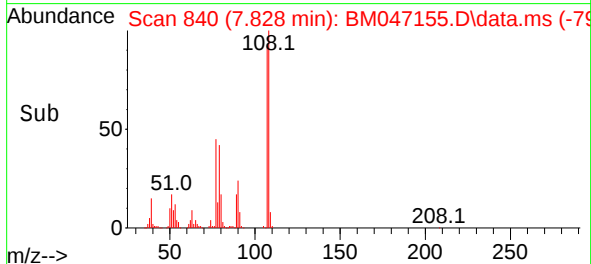
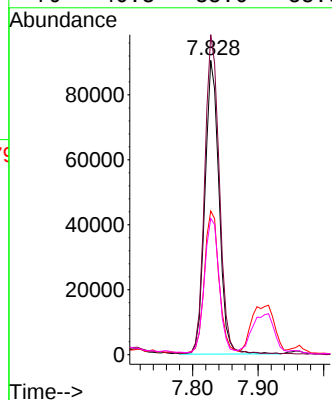
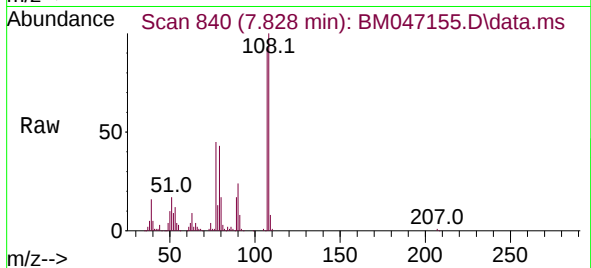




#17  
2-Methylphenol  
Concen: 8.791 ng  
RT: 7.828 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

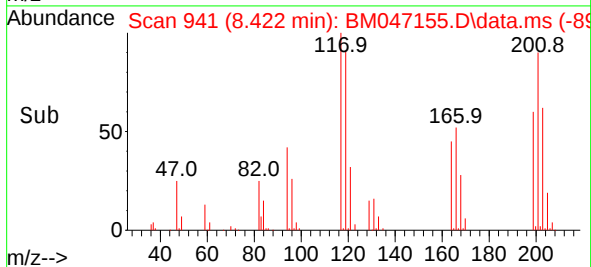
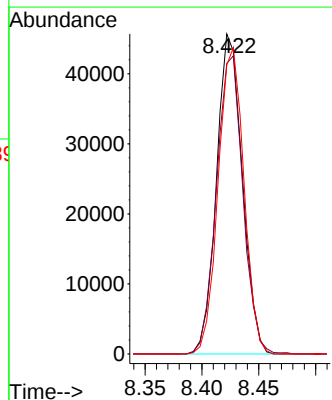
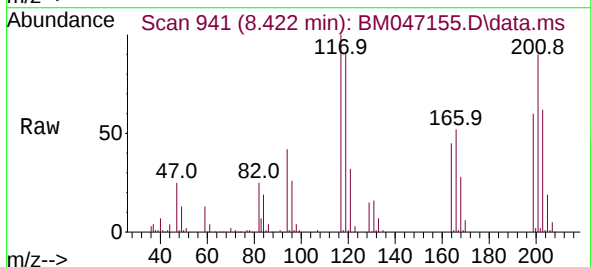
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

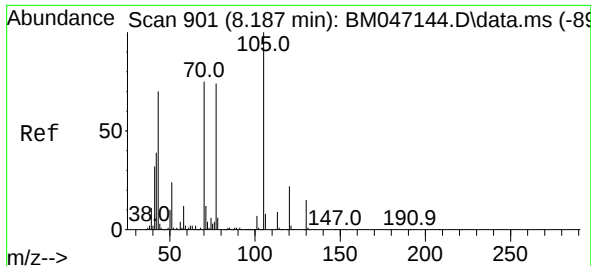
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 136114 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 108.7 | 90.6  | 135.8  |
| 77        | 48.8  | 39.3  | 58.9   |
| 79        | 46.3  | 38.6  | 58.0   |



#18  
Hexachloroethane  
Concen: 8.410 ng  
RT: 8.422 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 72153 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 90.8  | 77.0  | 115.4 |
| 201       | 90.2  | 81.3  | 121.9 |



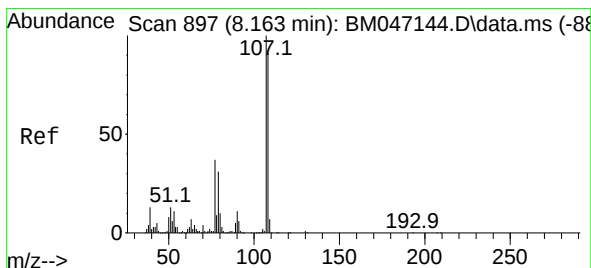
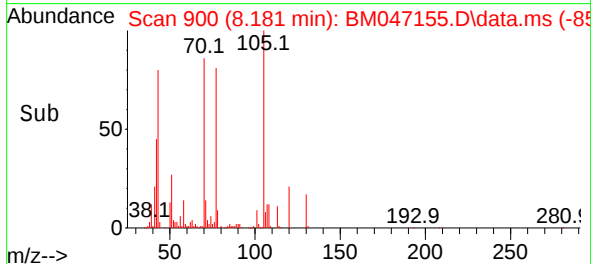
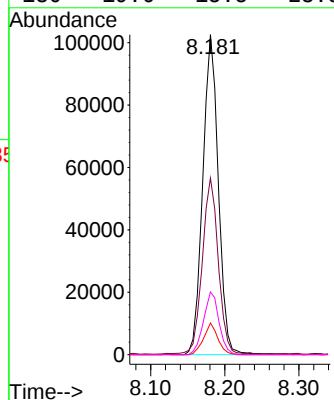
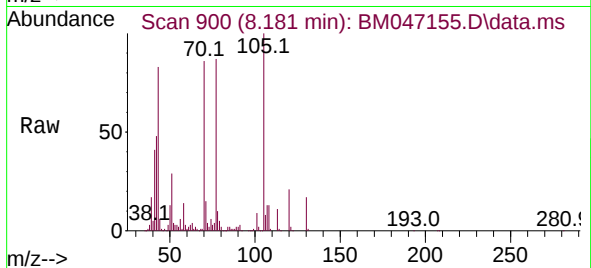


#19  
n-Nitroso-di-n-propylamine  
Concen: 9.563 ng  
RT: 8.181 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion: 70 Resp: 149817

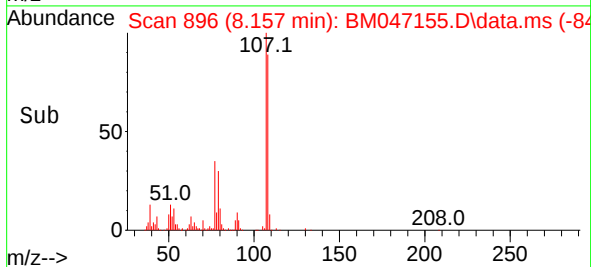
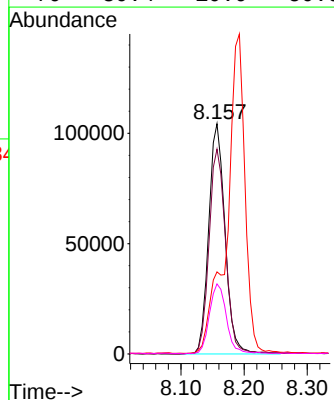
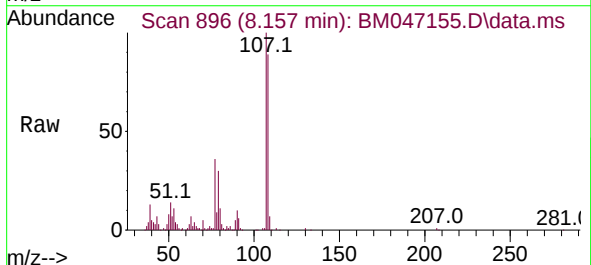
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 55.2  | 42.0  | 63.0  |
| 101 | 9.9   | 7.2   | 10.8  |
| 130 | 19.6  | 15.5  | 23.3  |

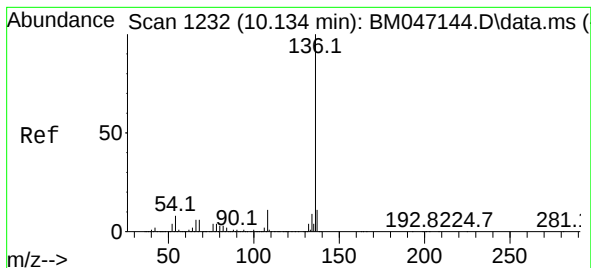


#20  
3+4-Methylphenols  
Concen: 8.661 ng  
RT: 8.157 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion: 107 Resp: 187470

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 88.9  | 70.7  | 110.7 |
| 77  | 35.7  | 17.4  | 57.4  |
| 79  | 30.4  | 10.9  | 50.9  |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:136 Resp: 1319220

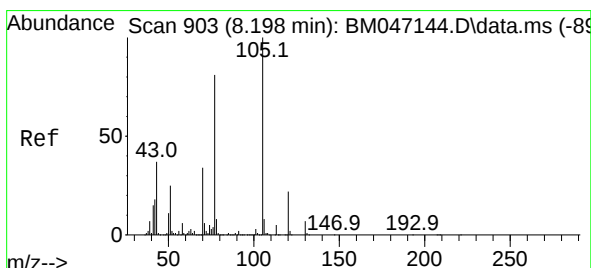
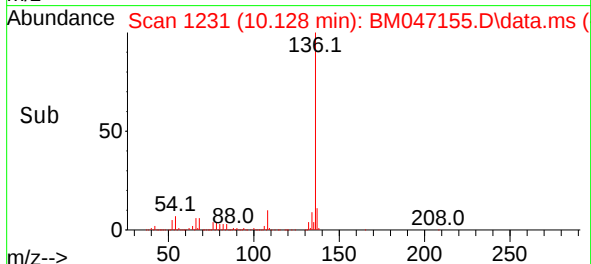
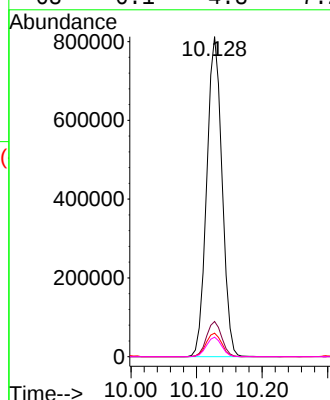
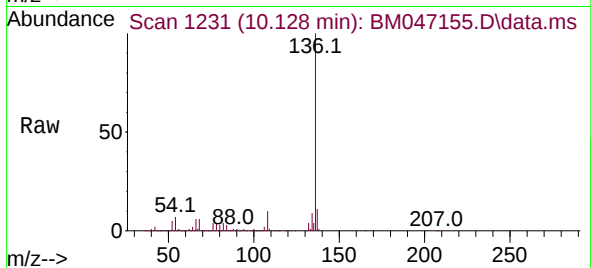
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.3 6.0 9.0

68 6.1 4.8 7.2



#22

Acetophenone

Concen: 8.905 ng

RT: 8.192 min Scan# 902

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:105 Resp: 283572

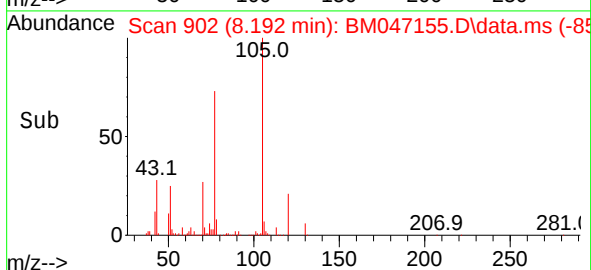
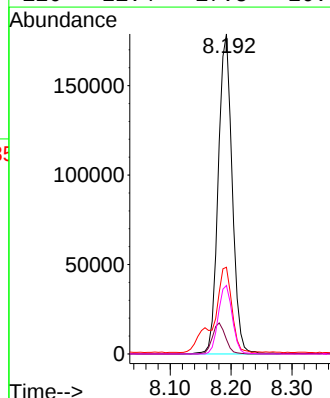
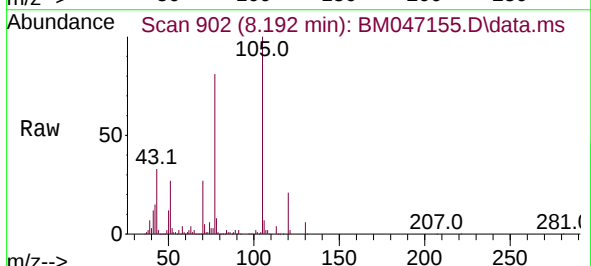
Ion Ratio Lower Upper

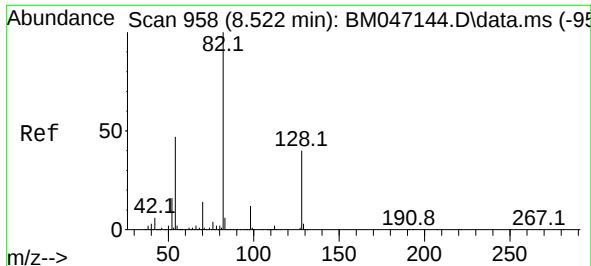
105 100

71 4.6 4.5 6.7

51 27.1 20.1 30.1

120 21.4 17.8 26.6





#23

Nitrobenzene-d5

Concen: 84.389 ng

RT: 8.522 min Scan# 958

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

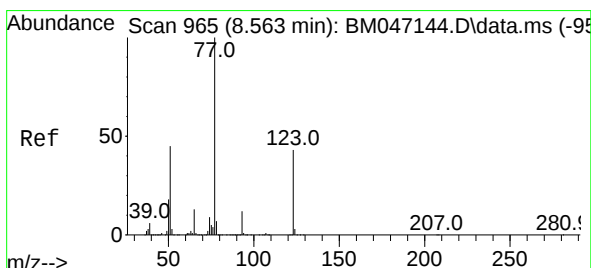
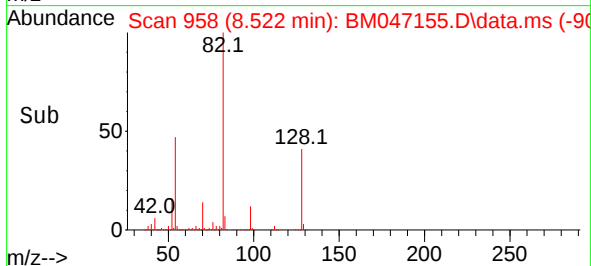
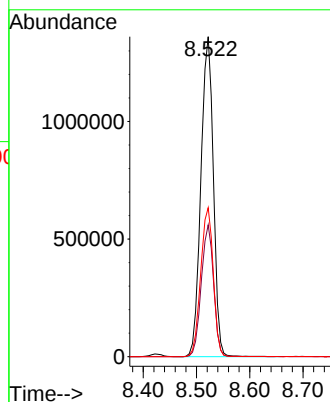
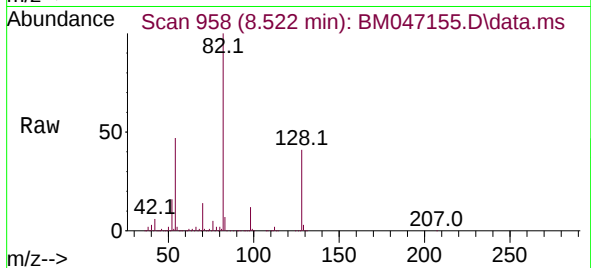
Tgt Ion: 82 Resp: 2210926

Ion Ratio Lower Upper

82 100

128 41.2 32.3 48.5

54 46.6 37.4 56.2



#24

Nitrobenzene

Concen: 8.310 ng

RT: 8.557 min Scan# 964

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

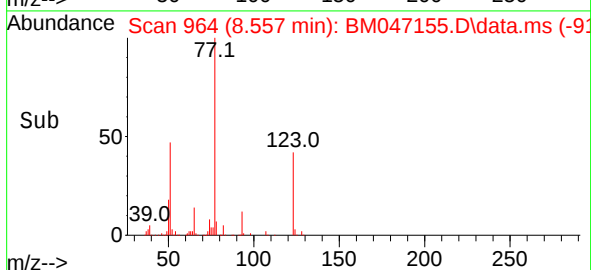
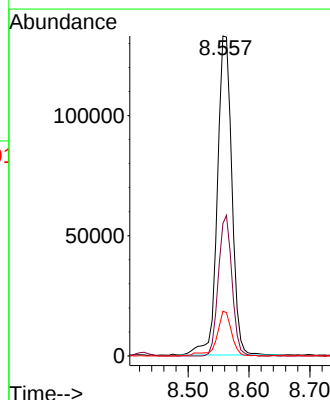
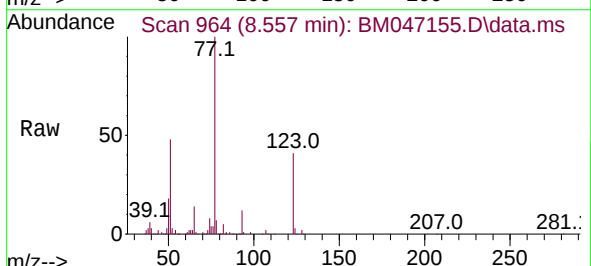
Tgt Ion: 77 Resp: 219218

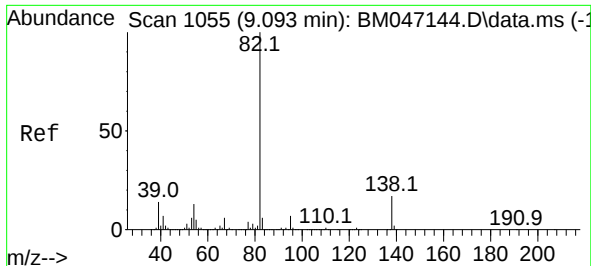
Ion Ratio Lower Upper

77 100

123 41.3 34.0 51.0

65 14.0 10.5 15.7

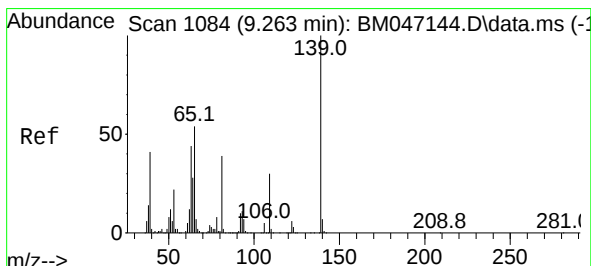
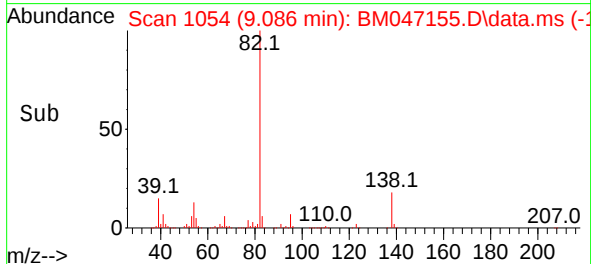
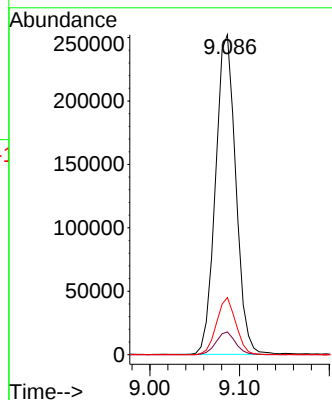
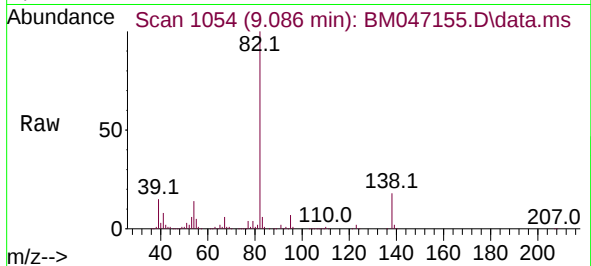




#25  
Isophorone  
Concen: 8.662 ng  
RT: 9.086 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

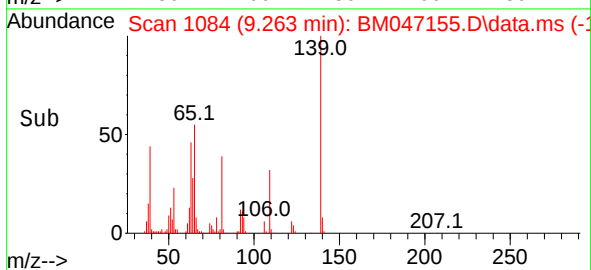
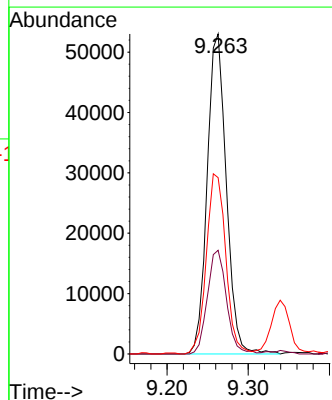
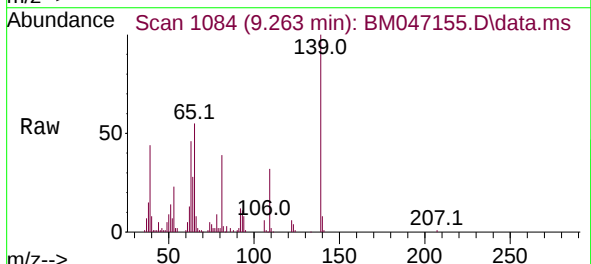
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

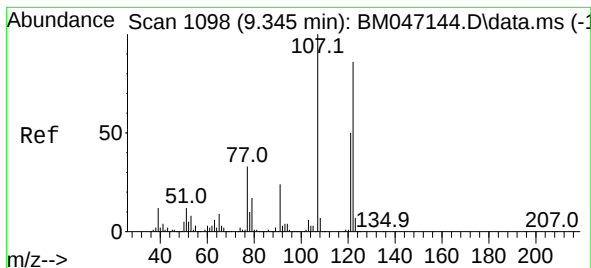
Tgt Ion: 82 Resp: 395130  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 17.8 13.5 20.3



#26  
2-Nitrophenol  
Concen: 7.419 ng  
RT: 9.263 min Scan# 1084  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:139 Resp: 86680  
Ion Ratio Lower Upper  
139 100  
109 32.4 24.4 36.6  
65 55.1 43.0 64.6





#27

2,4-Dimethylphenol

Concen: 8.647 ng

RT: 9.339 min Scan# 1107

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

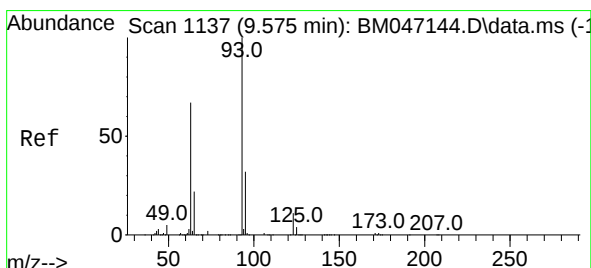
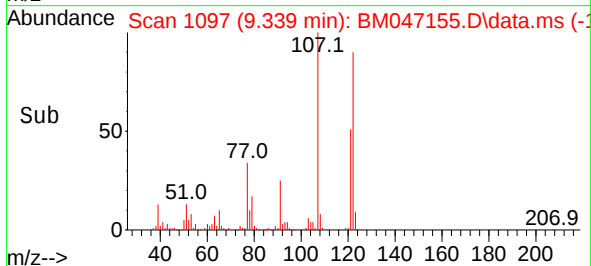
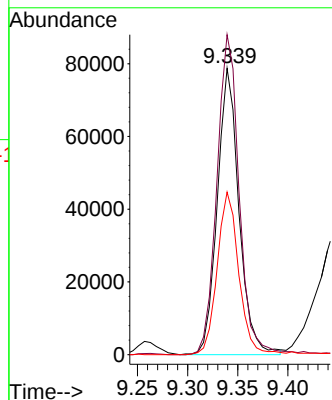
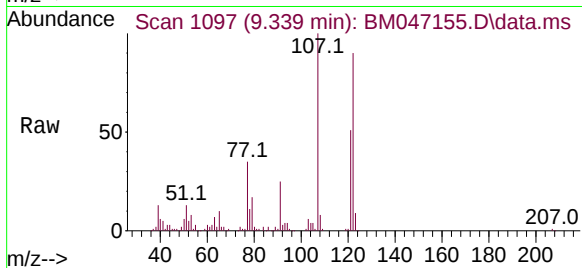
Tgt Ion:122 Resp: 118339

Ion Ratio Lower Upper

122 100

107 111.7 92.8 139.2

121 56.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 8.744 ng

RT: 9.575 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

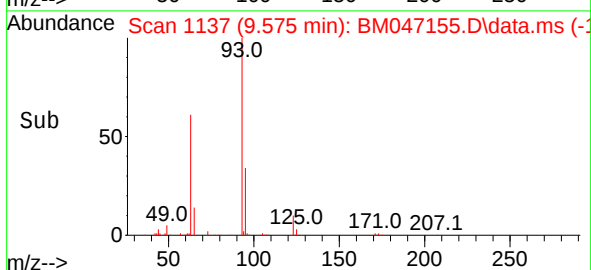
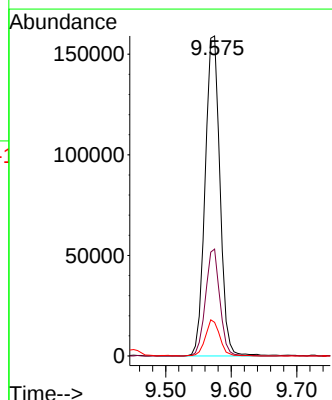
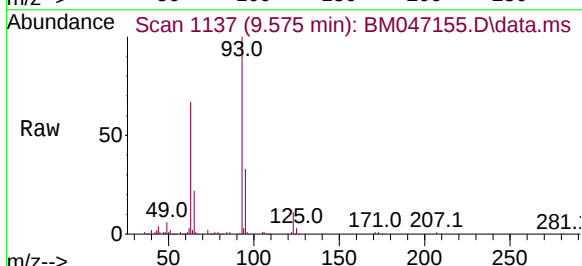
Tgt Ion: 93 Resp: 250978

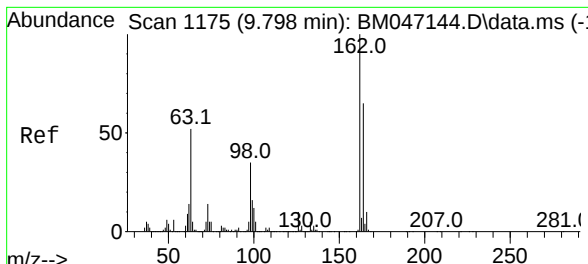
Ion Ratio Lower Upper

93 100

95 33.4 25.8 38.8

123 10.5 9.0 13.4



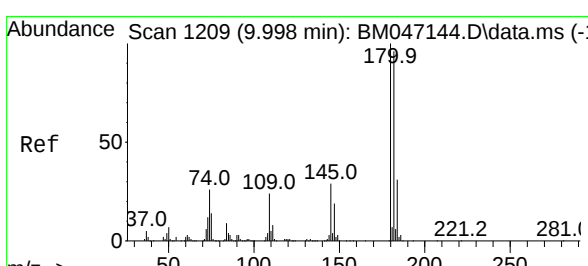
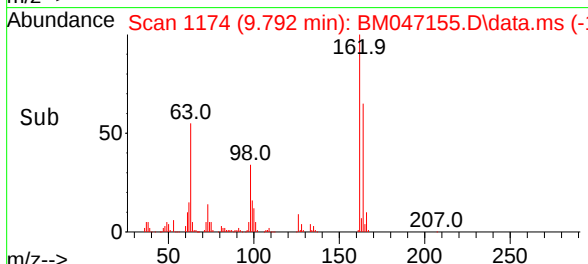
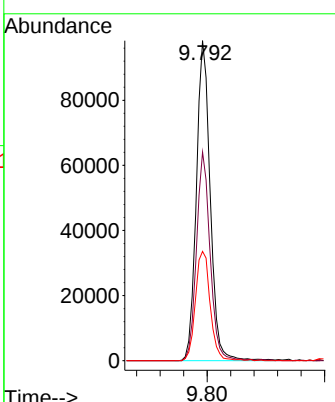
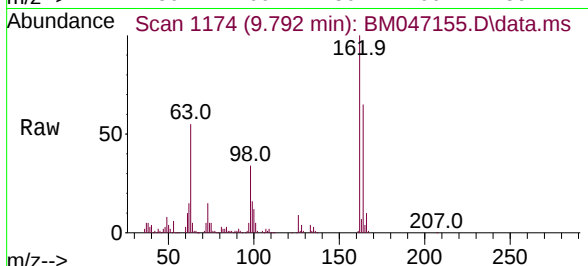


#29  
2,4-Dichlorophenol  
Concen: 7.912 ng  
RT: 9.792 min Scan# 1174  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:162 Resp: 160657

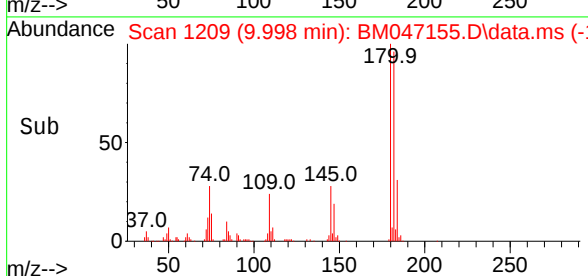
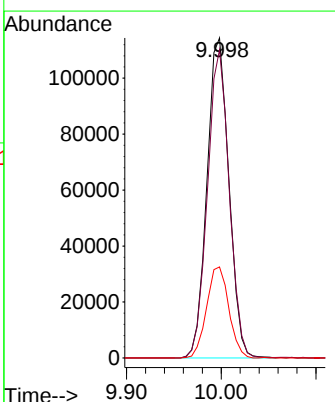
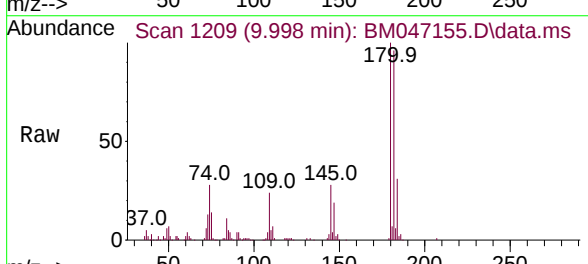
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 65.2  | 44.7  | 84.7  |
| 98  | 34.2  | 14.9  | 54.9  |

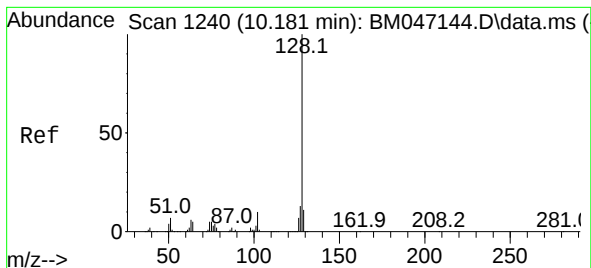


#30  
1,2,4-Trichlorobenzene  
Concen: 7.995 ng  
RT: 9.998 min Scan# 1209  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:180 Resp: 183738

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.3  | 76.6  | 115.0 |
| 145 | 28.5  | 23.4  | 35.2  |





#31

Naphthalene

Concen: 8.356 ng

RT: 10.175 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

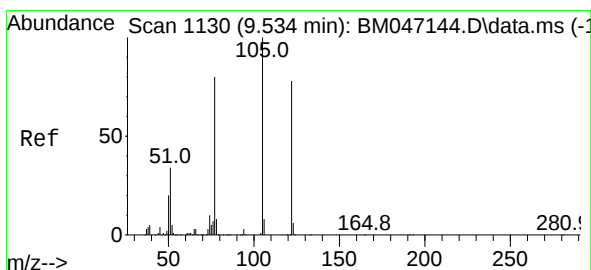
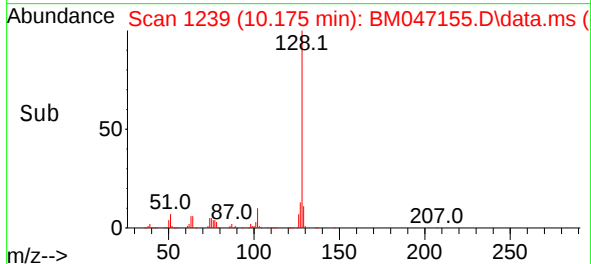
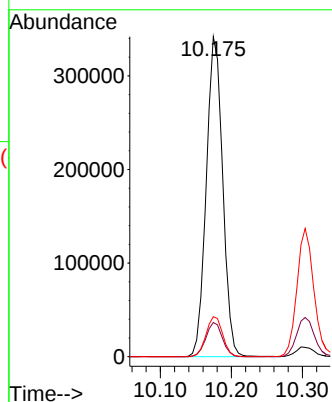
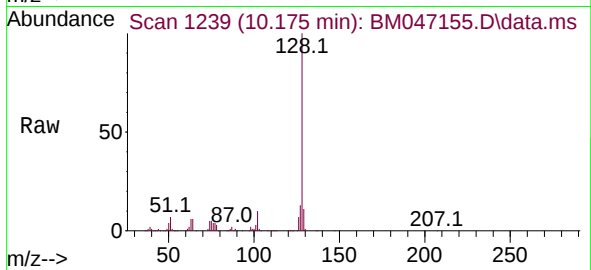
Tgt Ion:128 Resp: 549144

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 12.5 10.2 15.4



#32

Benzoic acid

Concen: 5.274 ng

RT: 9.451 min Scan# 1116

Delta R.T. -0.083 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

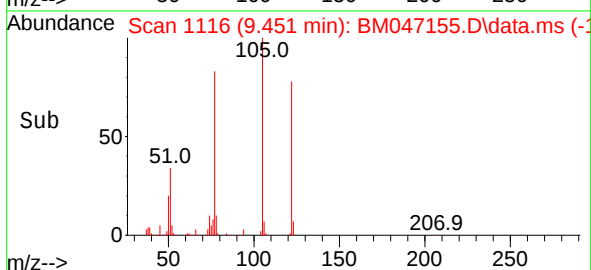
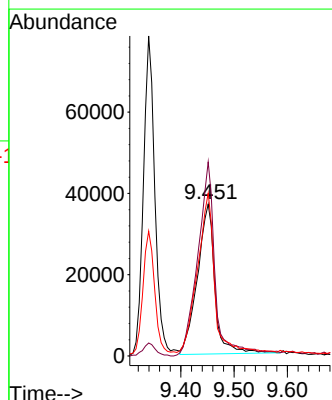
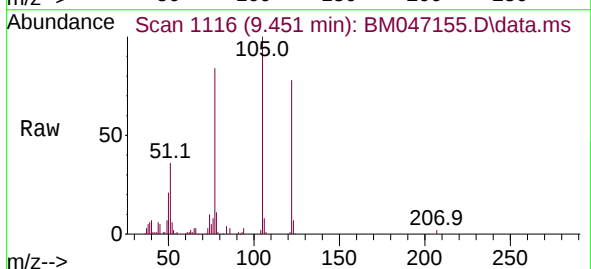
Tgt Ion:122 Resp: 83856

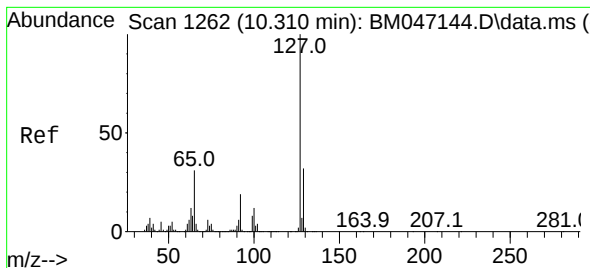
Ion Ratio Lower Upper

122 100

105 127.8 107.1 147.1

77 107.3 82.1 122.1





#33

4-Chloroaniline

Concen: 9.117 ng

RT: 10.304 min Scan# 1261

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

Tgt Ion:127 Resp: 230411

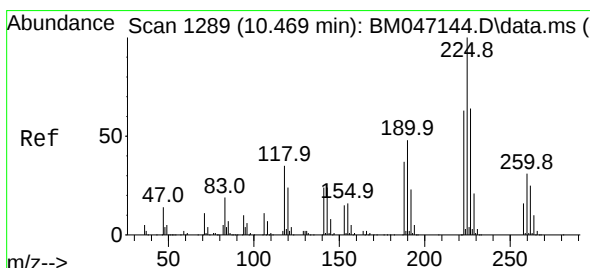
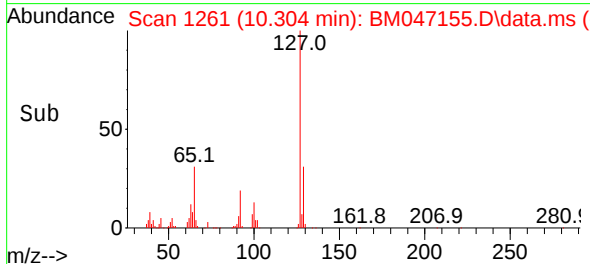
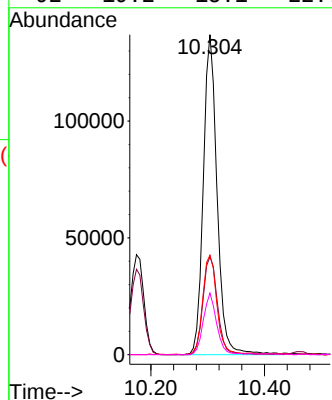
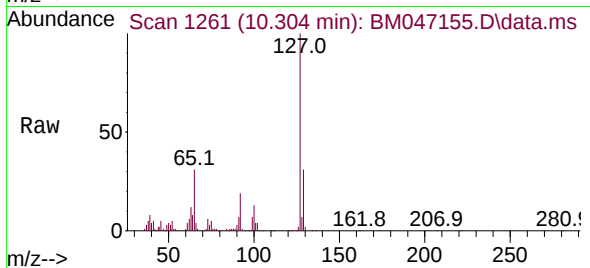
Ion Ratio Lower Upper

127 100

129 30.6 25.8 38.8

65 31.1 24.9 37.3

92 19.2 15.1 22.7



#34

Hexachlorobutadiene

Concen: 7.446 ng

RT: 10.463 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

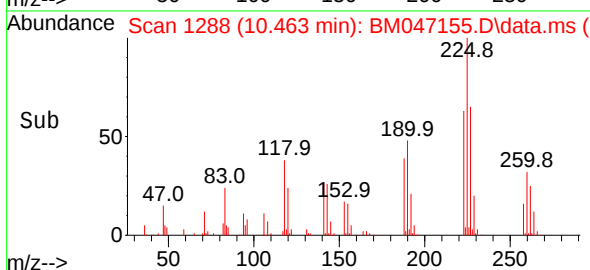
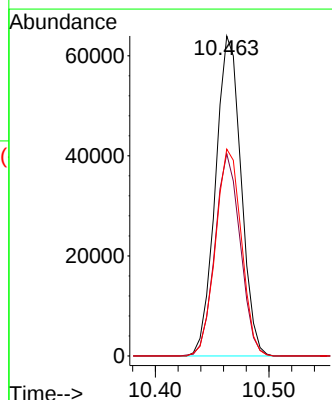
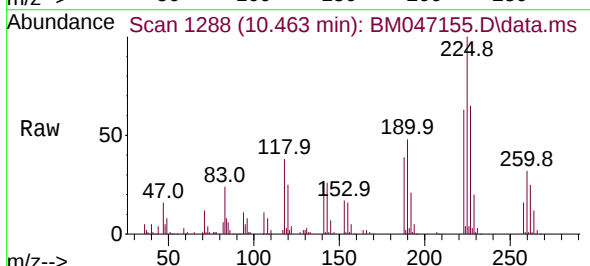
Tgt Ion:225 Resp: 100157

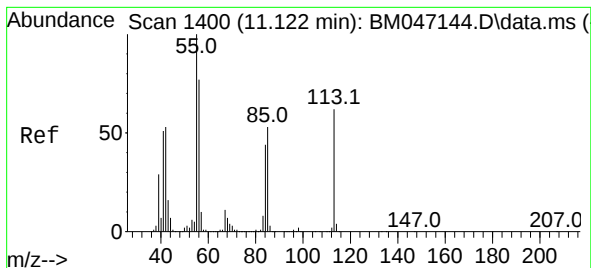
Ion Ratio Lower Upper

225 100

223 63.2 50.2 75.2

227 64.6 51.4 77.0





#35

Caprolactam

Concen: 7.968 ng

RT: 11.092 min Scan# 1400

Delta R.T. -0.030 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

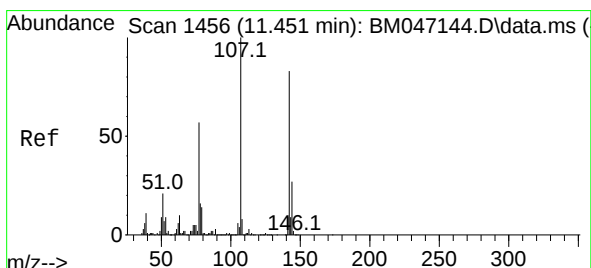
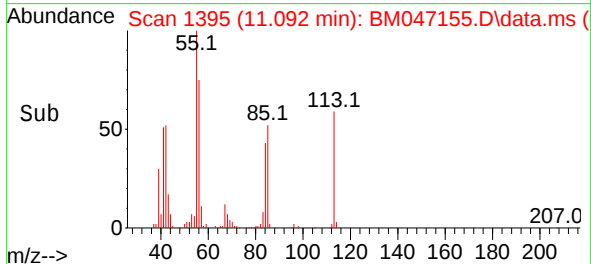
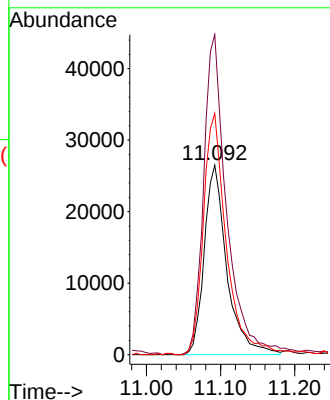
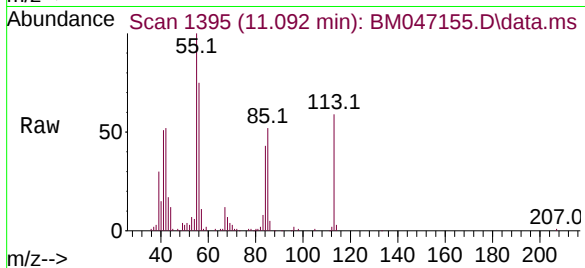
Tgt Ion:113 Resp: 56187

Ion Ratio Lower Upper

113 100

55 168.9 140.5 180.5

56 127.3 103.6 143.6



#36

4-Chloro-3-methylphenol

Concen: 7.925 ng

RT: 11.445 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

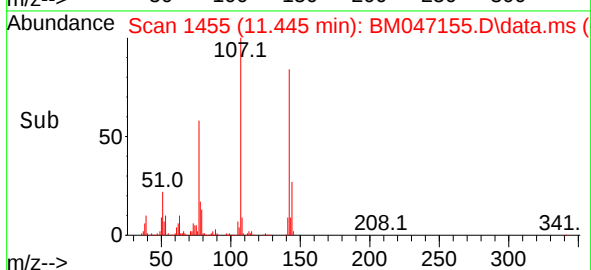
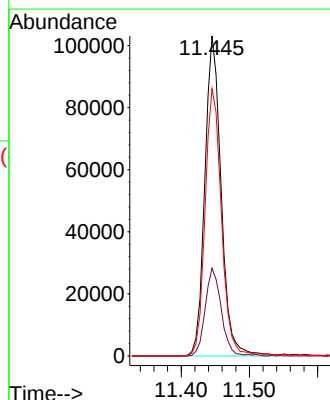
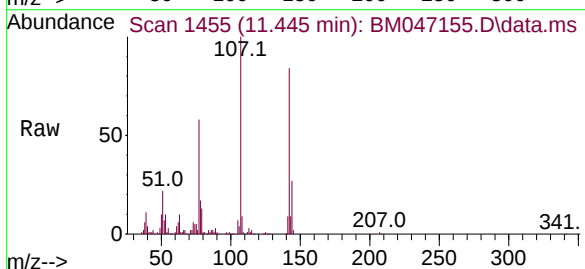
Tgt Ion:107 Resp: 171398

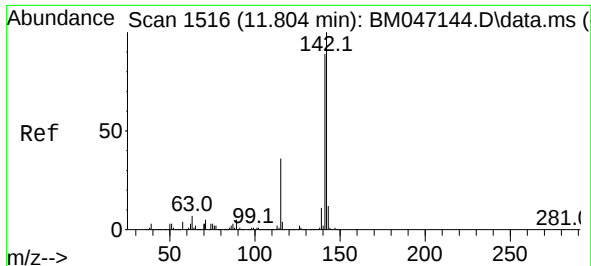
Ion Ratio Lower Upper

107 100

144 27.4 21.8 32.6

142 83.5 66.8 100.2

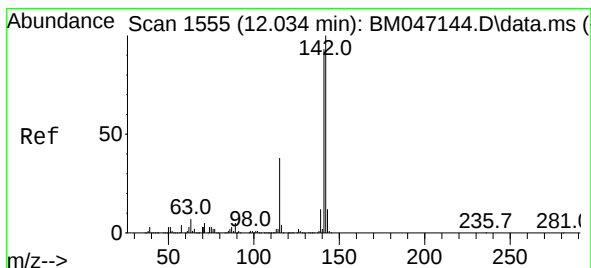
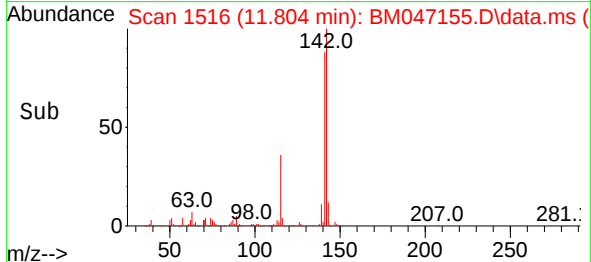
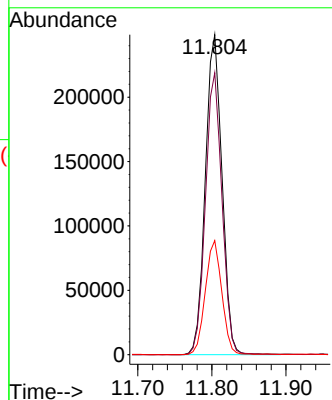
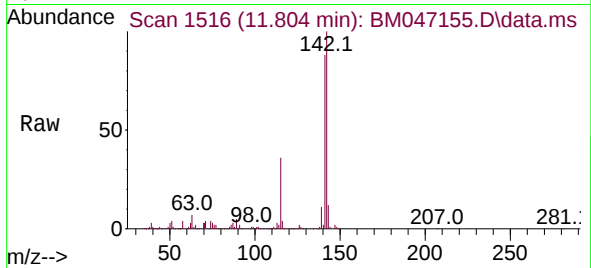




#37  
2-Methylnaphthalene  
Concen: 8.311 ng  
RT: 11.804 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

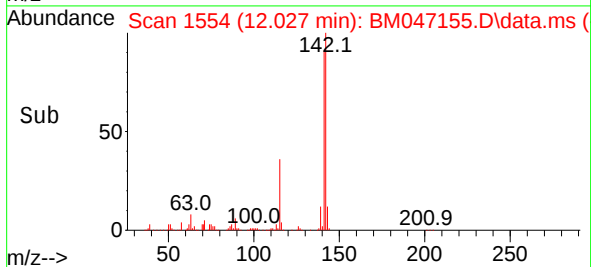
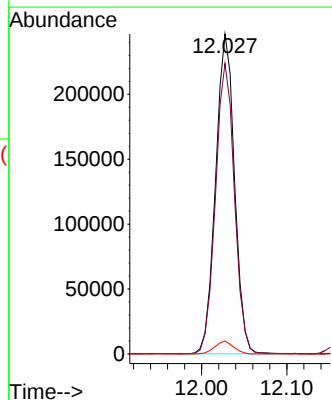
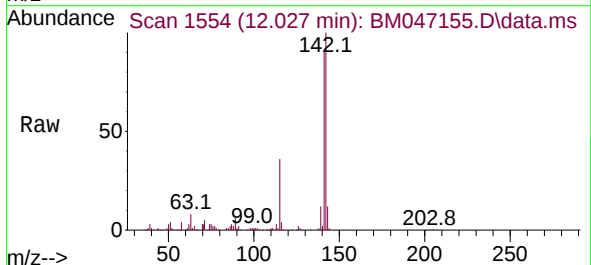
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

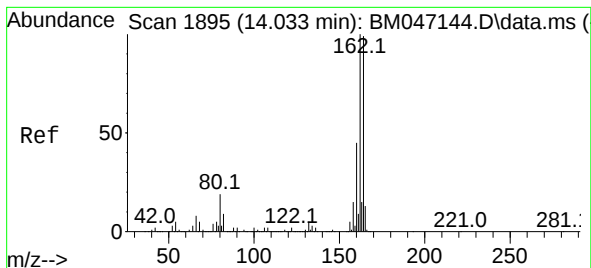
Tgt Ion:142 Resp: 388888  
Ion Ratio Lower Upper  
142 100  
141 88.1 70.9 106.3  
115 35.6 28.7 43.1



#38  
1-Methylnaphthalene  
Concen: 8.179 ng  
RT: 12.027 min Scan# 1554  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:142 Resp: 378233  
Ion Ratio Lower Upper  
142 100  
141 90.8 74.6 111.8  
116 4.0 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.027 min Scan# 1894

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

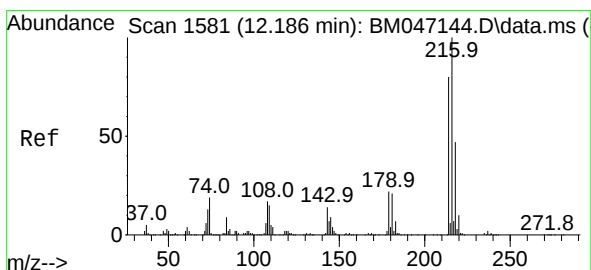
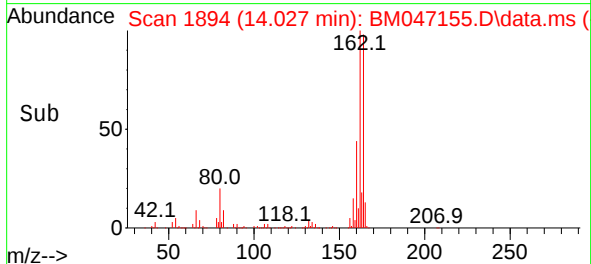
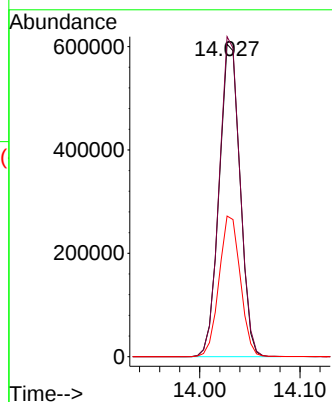
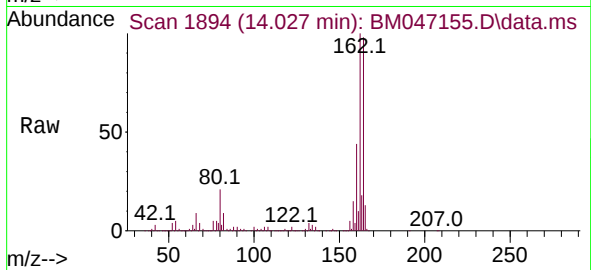
Tgt Ion:164 Resp: 875363

Ion Ratio Lower Upper

164 100

162 102.4 80.7 121.1

160 45.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.112 ng

RT: 12.186 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:216 Resp: 193693

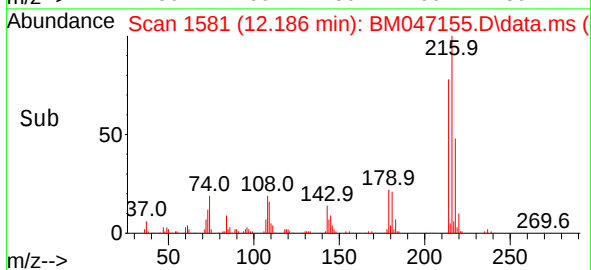
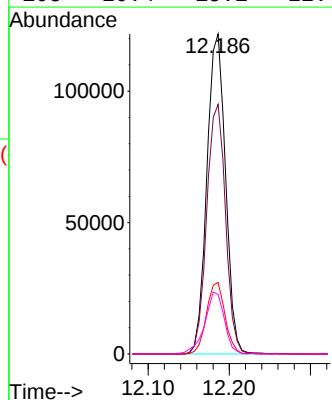
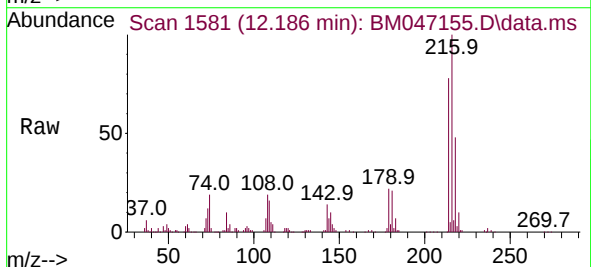
Ion Ratio Lower Upper

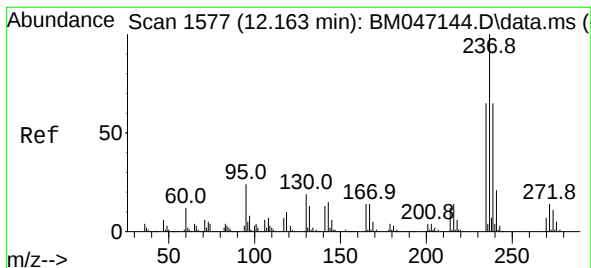
216 100

214 78.8 63.4 95.2

179 22.3 17.6 26.4

108 20.4 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 9.445 ng

RT: 12.163 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BM047155.D

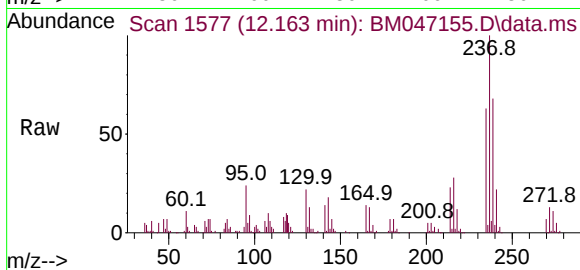
Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



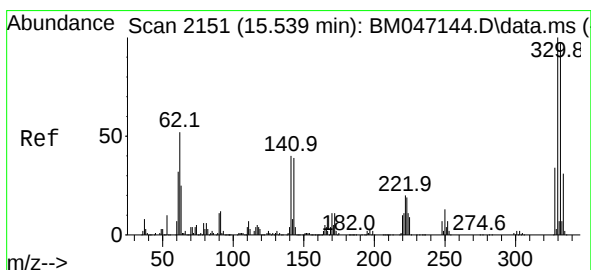
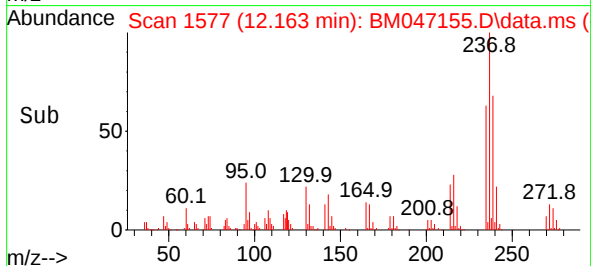
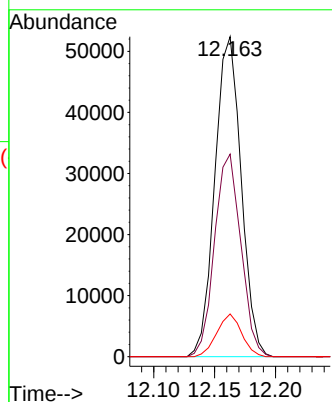
Tgt Ion:237 Resp: 78745

Ion Ratio Lower Upper

237 100

235 63.3 44.8 84.8

272 13.3 0.0 33.5



#42

2,4,6-Tribromophenol

Concen: 147.215 ng

RT: 15.539 min Scan# 2151

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

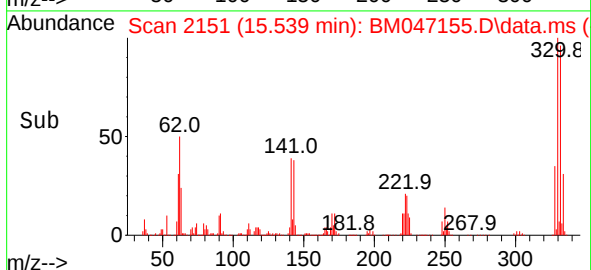
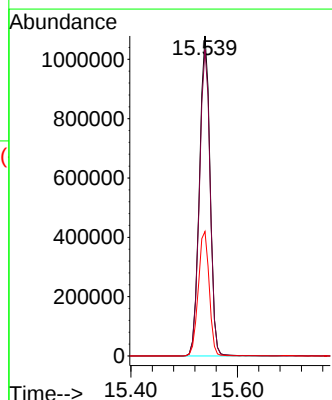
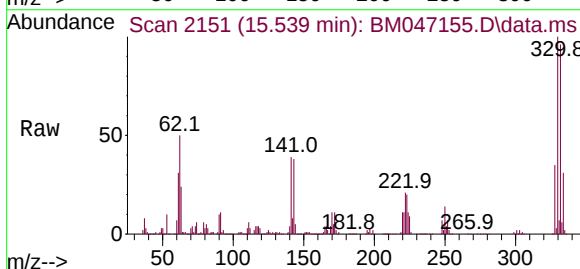
Tgt Ion:330 Resp: 1494230

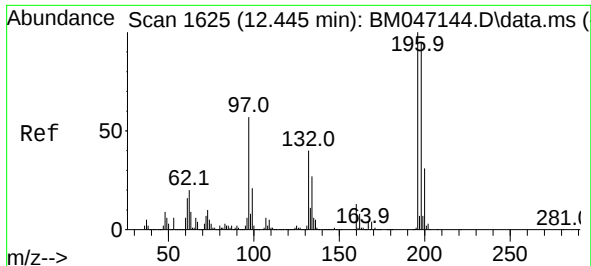
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

141 40.1 31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 7.705 ng

RT: 12.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

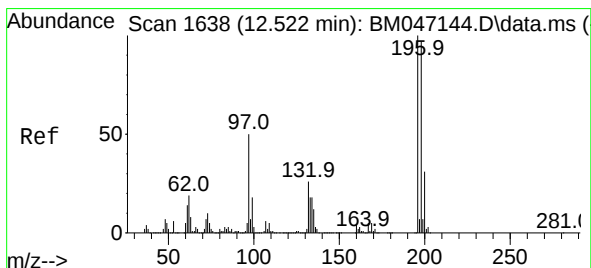
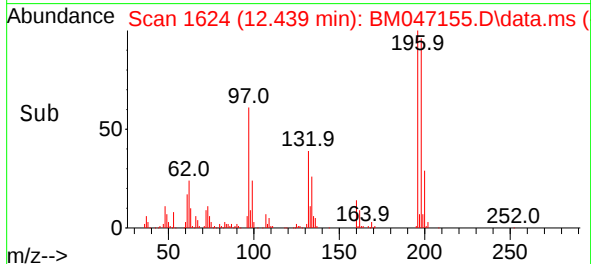
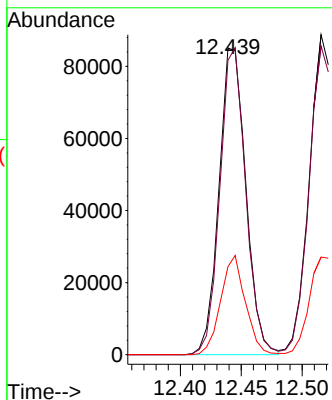
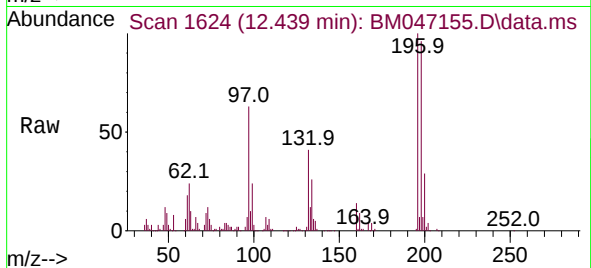
Tgt Ion:196 Resp: 130760

Ion Ratio Lower Upper

196 100

198 96.0 75.6 113.4

200 28.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 7.593 ng

RT: 12.516 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:196 Resp: 143074

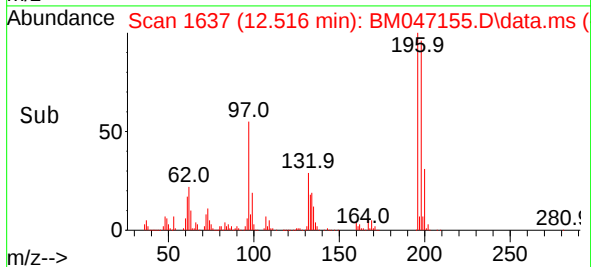
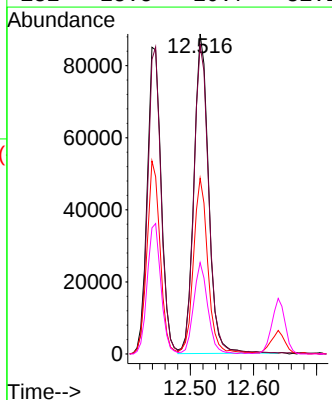
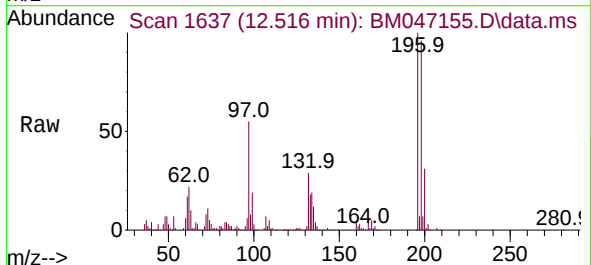
Ion Ratio Lower Upper

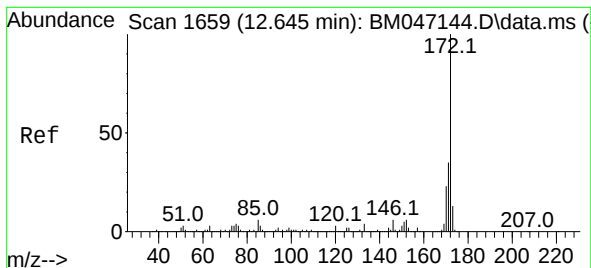
196 100

198 96.4 77.7 116.5

97 54.9 39.8 59.8

132 28.5 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 84.746 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

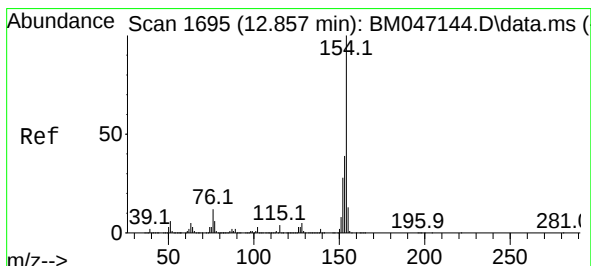
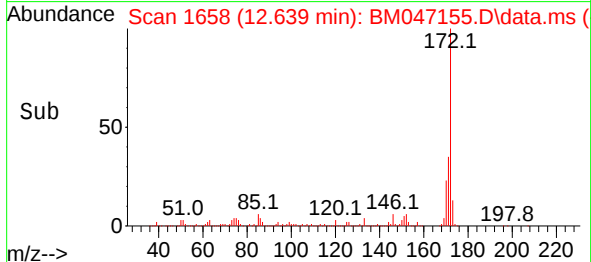
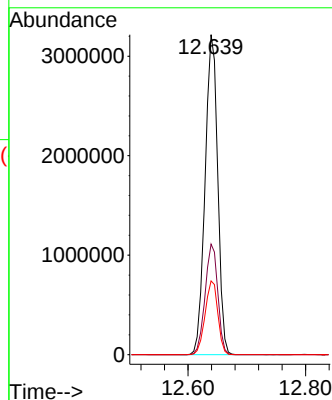
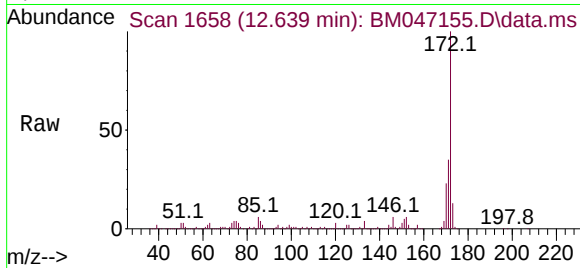
Tgt Ion:172 Resp: 4809226

Ion Ratio Lower Upper

172 100

171 34.6 27.8 41.6

170 23.1 18.7 28.1



#46

1,1'-Biphenyl

Concen: 8.546 ng

RT: 12.851 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

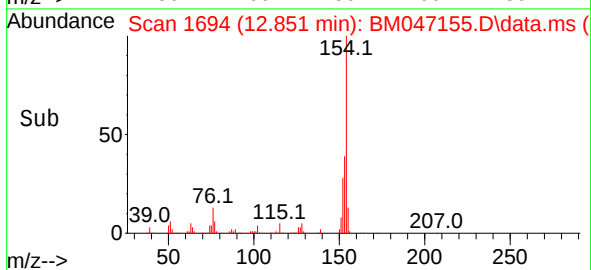
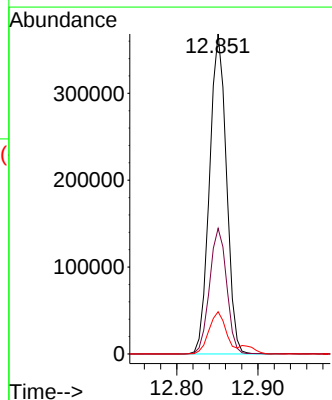
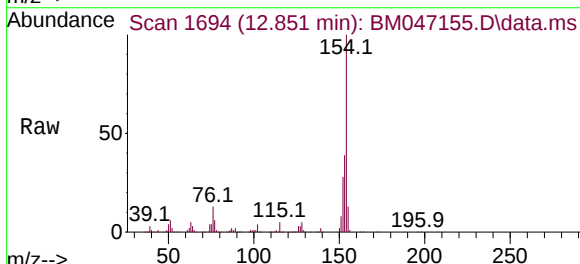
Tgt Ion:154 Resp: 532580

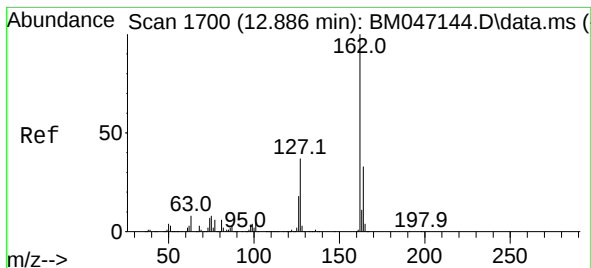
Ion Ratio Lower Upper

154 100

153 39.3 19.0 59.0

76 13.2 0.0 31.9





#47

2-Chloronaphthalene

Concen: 8.603 ng

RT: 12.886 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

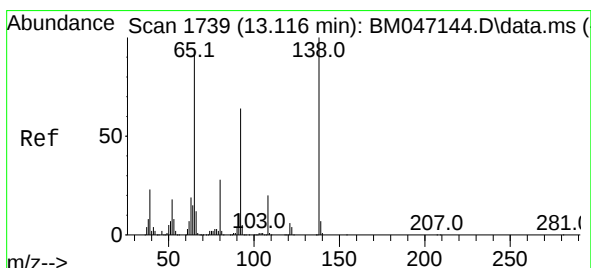
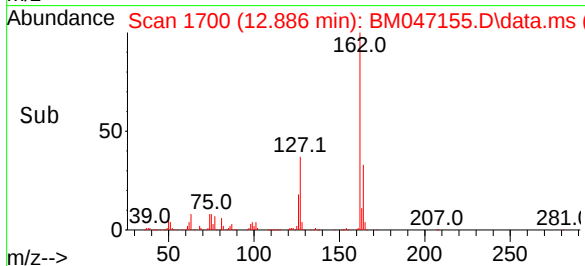
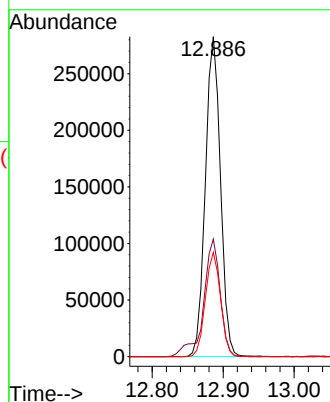
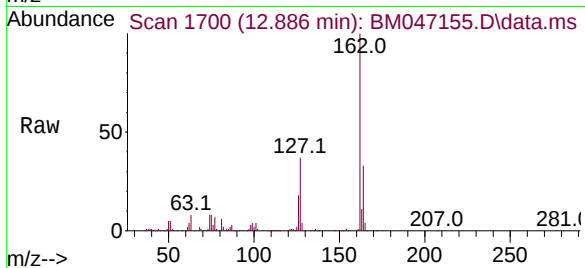
Tgt Ion:162 Resp: 419024

Ion Ratio Lower Upper

162 100

127 36.8 30.0 45.0

164 32.6 26.3 39.5



#48

2-Nitroaniline

Concen: 8.446 ng

RT: 13.110 min Scan# 1738

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

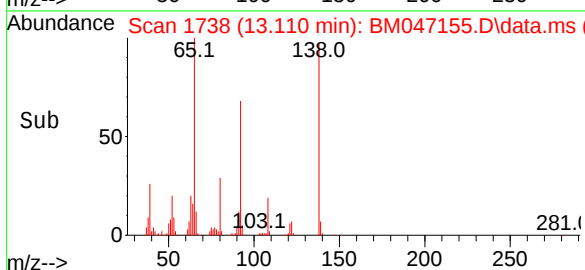
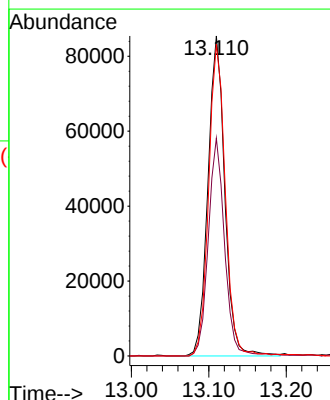
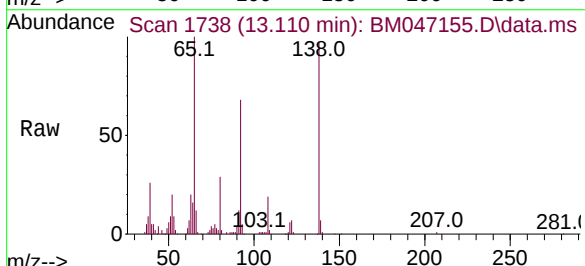
Tgt Ion: 65 Resp: 128878

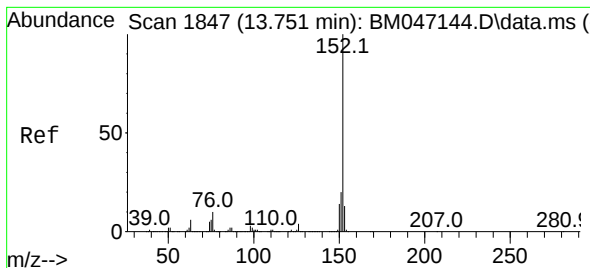
Ion Ratio Lower Upper

65 100

92 68.1 55.1 82.7

138 97.4 85.9 128.9





#49

Acenaphthylene

Concen: 9.627 ng

RT: 13.745 min Scan# 1846

Delta R.T. -0.006 min

Lab File: BM047155.D

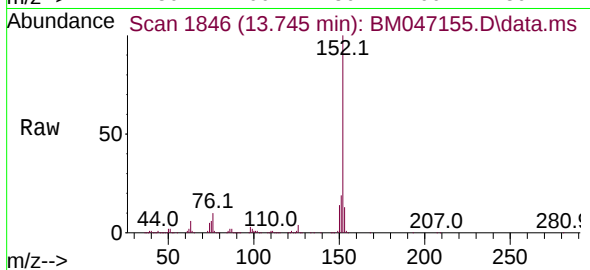
Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024



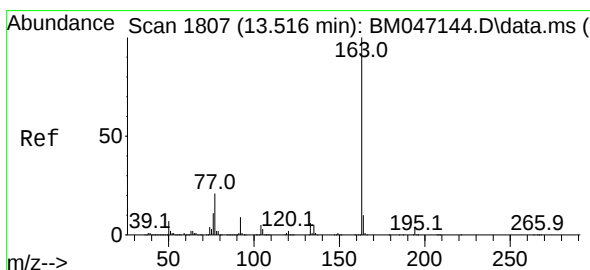
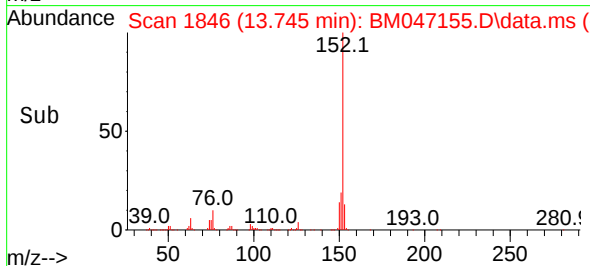
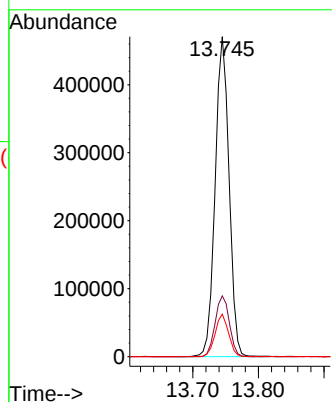
Tgt Ion:152 Resp: 691183

Ion Ratio Lower Upper

152 100

151 19.0 15.8 23.6

153 13.3 10.4 15.6



#50

Dimethylphthalate

Concen: 8.864 ng

RT: 13.504 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

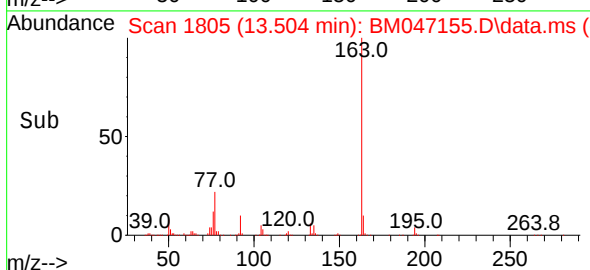
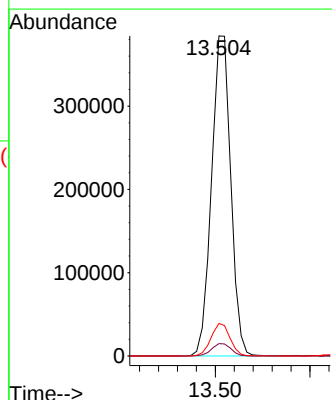
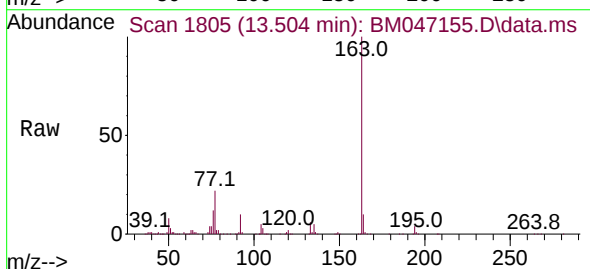
Tgt Ion:163 Resp: 541905

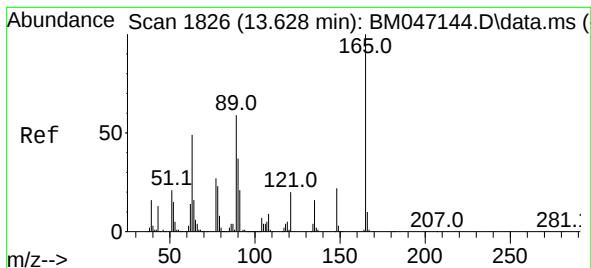
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.101 ng

RT: 13.621 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

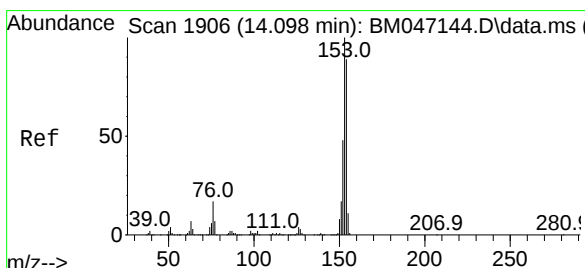
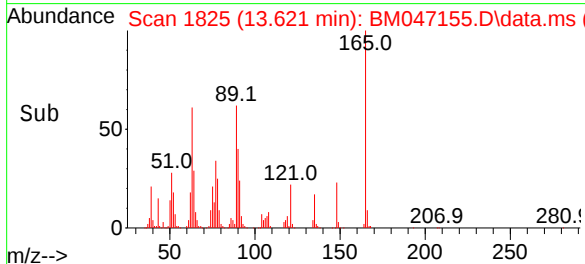
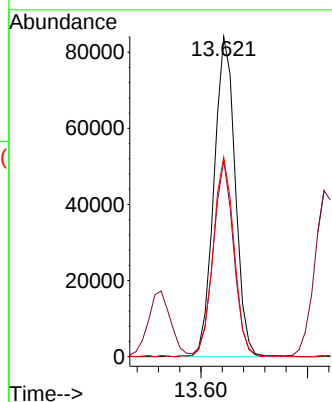
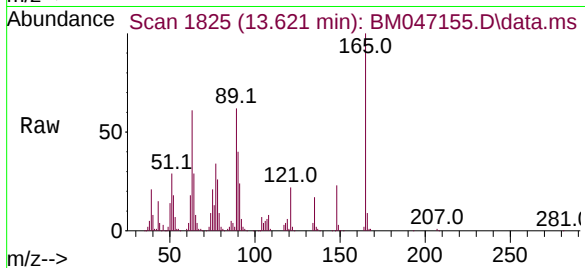
Tgt Ion:165 Resp: 115771

Ion Ratio Lower Upper

165 100

63 61.4 46.5 69.7

89 62.4 47.3 70.9



#52

Acenaphthene

Concen: 8.649 ng

RT: 14.092 min Scan# 1905

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

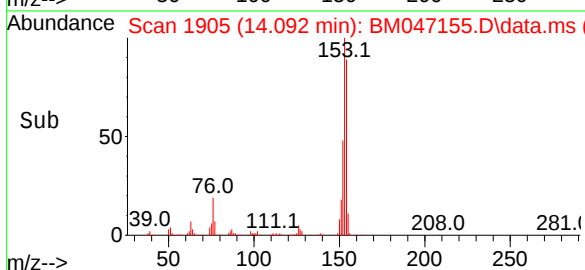
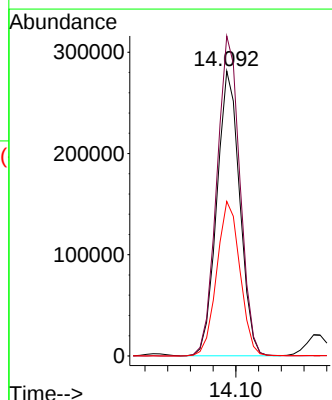
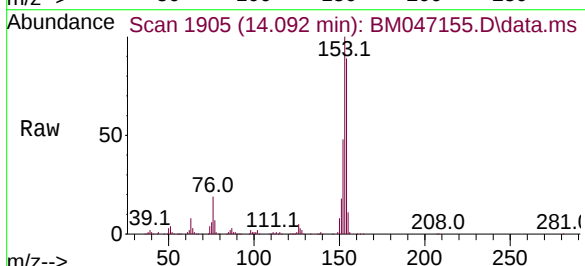
Tgt Ion:154 Resp: 393925

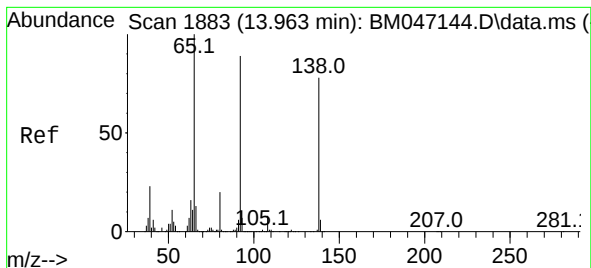
Ion Ratio Lower Upper

154 100

153 112.3 90.3 135.5

152 54.2 42.9 64.3

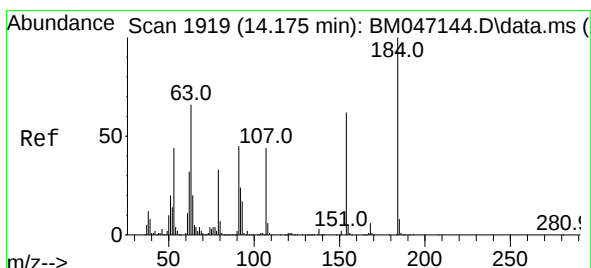
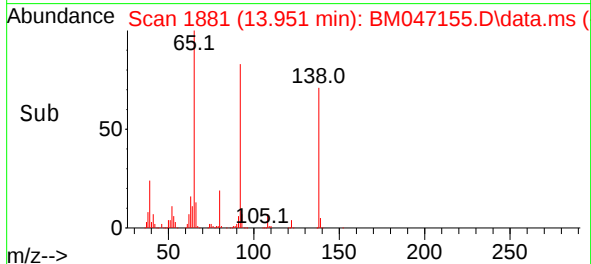
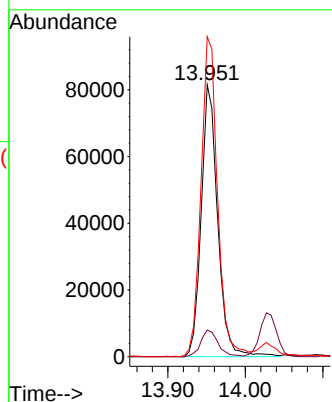
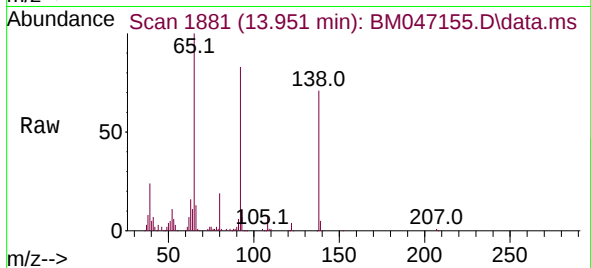




#53  
3-Nitroaniline  
Concen: 8.390 ng  
RT: 13.951 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

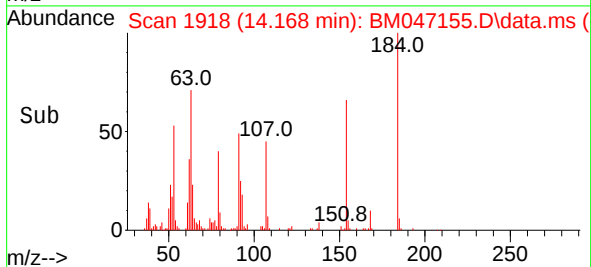
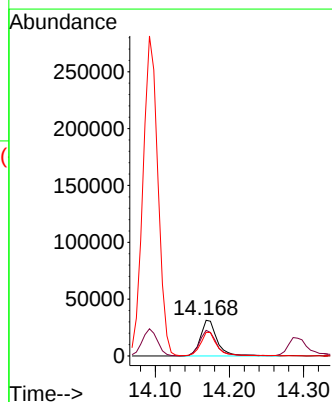
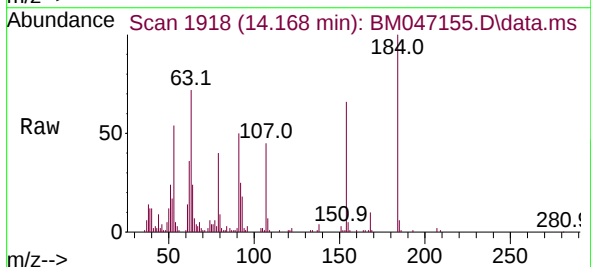
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

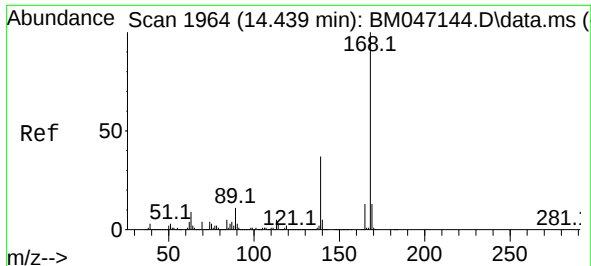
Tgt Ion:138 Resp: 120154  
Ion Ratio Lower Upper  
138 100  
108 9.7 7.9 11.9  
92 117.7 92.0 138.0



#54  
2,4-Dinitrophenol  
Concen: 5.715 ng  
RT: 14.168 min Scan# 1918  
Delta R.T. -0.007 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:184 Resp: 48953  
Ion Ratio Lower Upper  
184 100  
63 71.6 52.7 79.1  
154 66.4 50.4 75.6

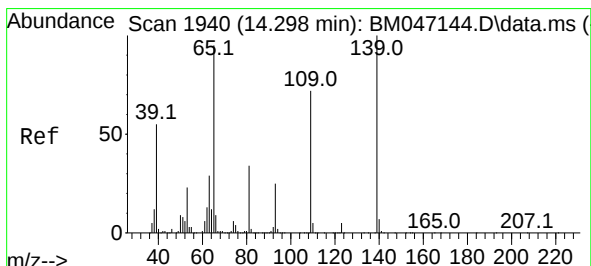
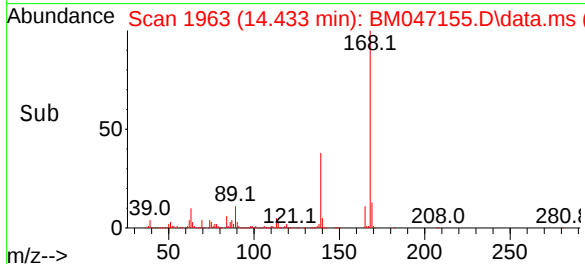
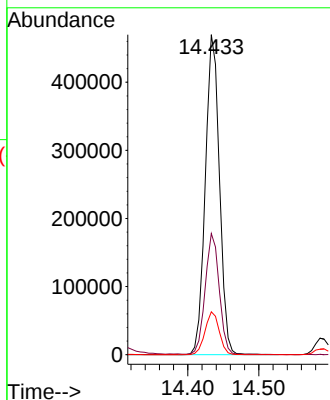
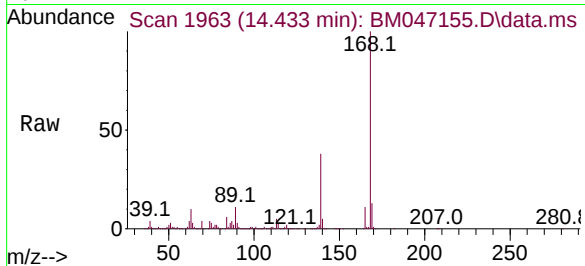




#55  
Dibenzenofuran  
Concen: 9.055 ng  
RT: 14.433 min Scan# 1963  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

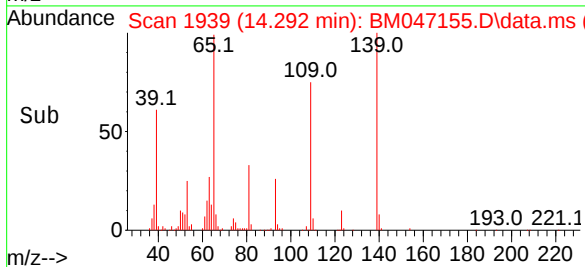
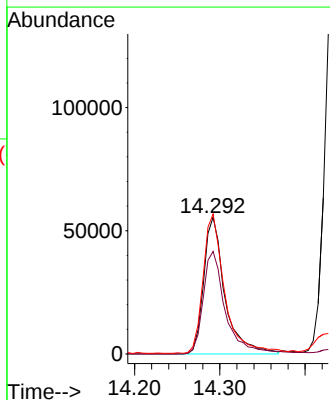
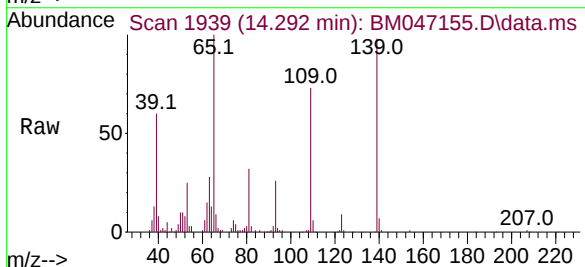
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

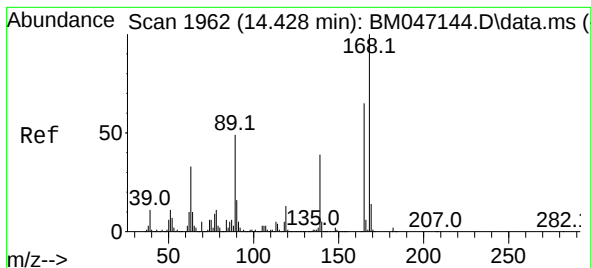
Tgt Ion:168 Resp: 651379  
Ion Ratio Lower Upper  
168 100  
139 37.9 29.6 44.4  
169 13.4 10.7 16.1



#56  
4-Nitrophenol  
Concen: 7.728 ng  
RT: 14.292 min Scan# 1939  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:139 Resp: 95429  
Ion Ratio Lower Upper  
139 100  
109 75.1 52.5 92.5  
65 102.3 75.4 115.4

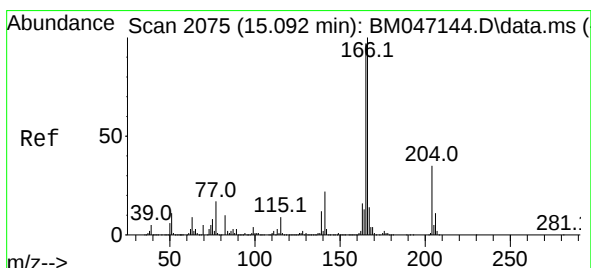
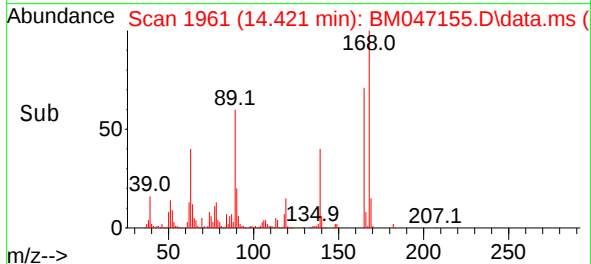
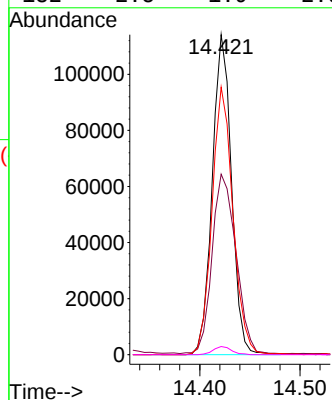
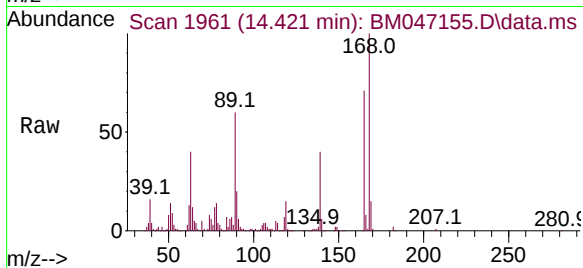




#57  
2,4-Dinitrotoluene  
Concen: 7.969 ng  
RT: 14.421 min Scan# 1961  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

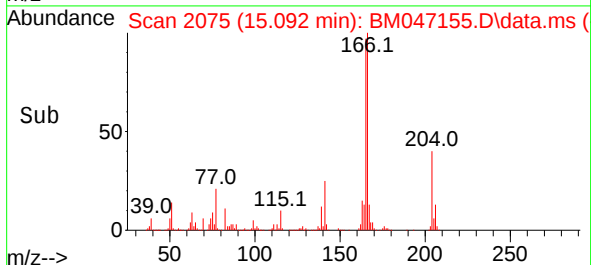
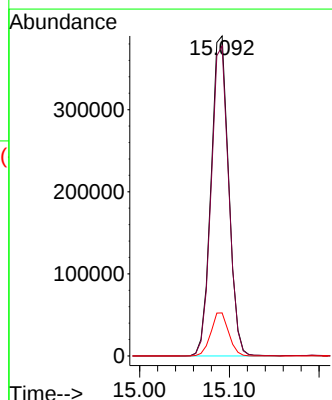
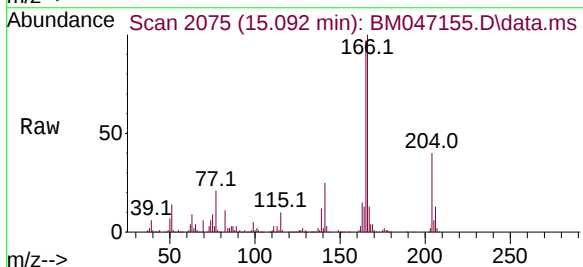
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

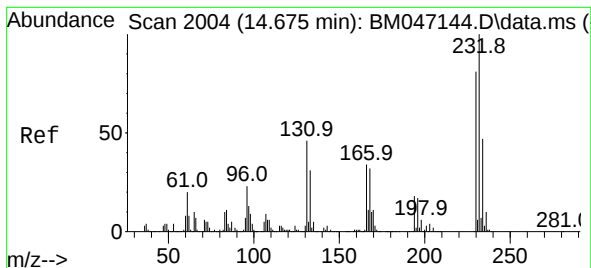
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 152018 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 56.4  | 40.3  | 60.5   |
| 89       | 83.6  | 61.0  | 91.6   |
| 182      | 2.5   | 1.9   | 2.9    |



#58  
Fluorene  
Concen: 8.957 ng  
RT: 15.092 min Scan# 2075  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 531643 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 96.9  | 77.4  | 116.0  |
| 167      | 13.4  | 11.0  | 16.6   |

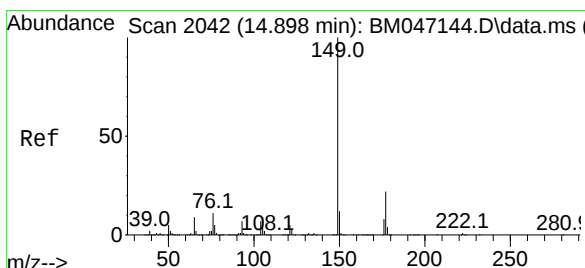
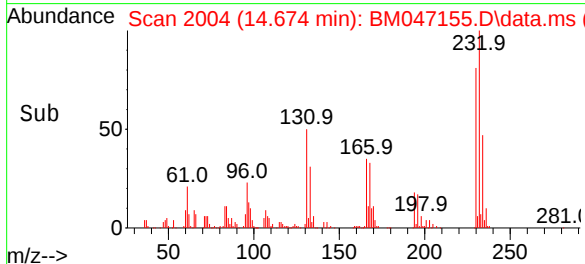
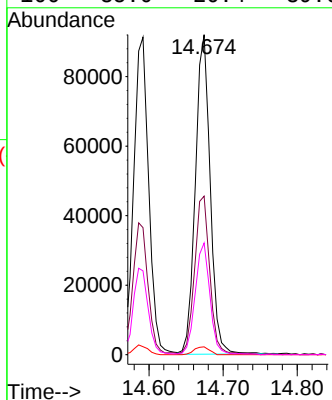
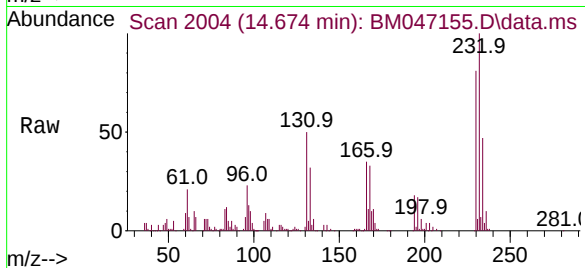




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 8.259 ng  
RT: 14.674 min Scan# 2004  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

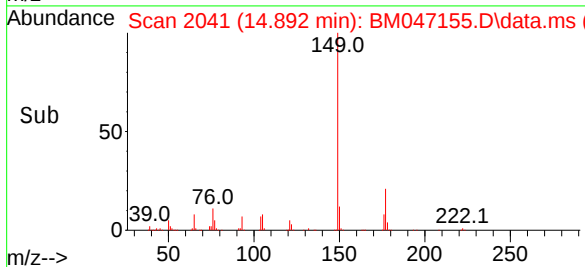
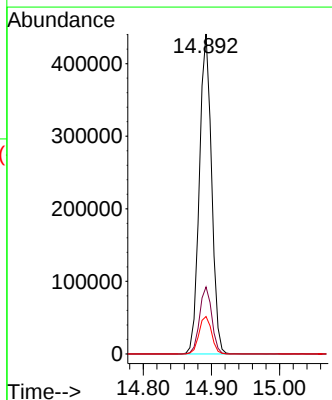
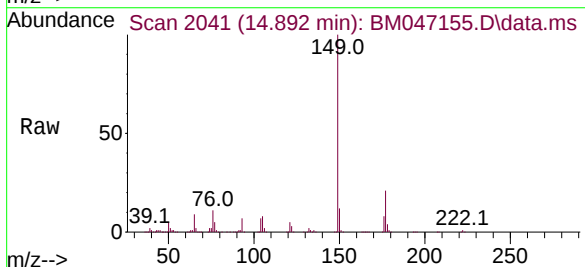
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

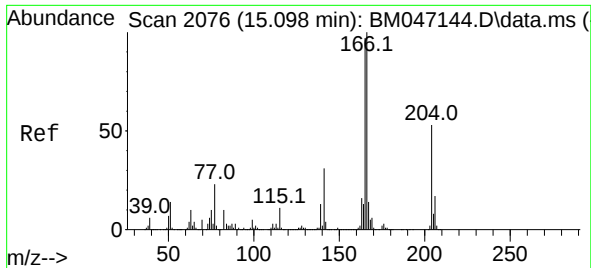
Tgt Ion:232 Resp: 127898  
Ion Ratio Lower Upper  
232 100  
131 50.9 36.9 55.3  
130 2.5 2.0 3.0  
166 35.0 26.4 39.6



#60  
Diethylphthalate  
Concen: 8.774 ng  
RT: 14.892 min Scan# 2041  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:149 Resp: 547764  
Ion Ratio Lower Upper  
149 100  
177 21.0 17.6 26.4  
150 11.7 9.8 14.6

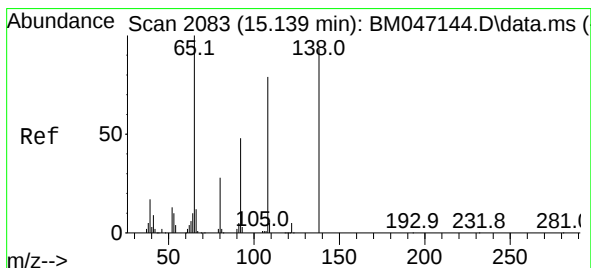
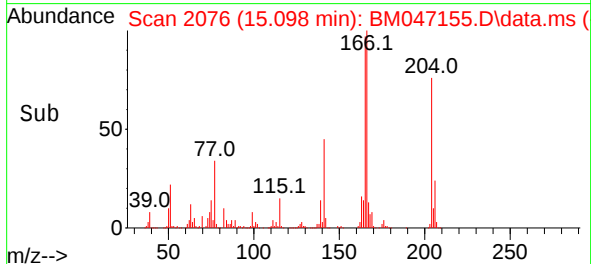
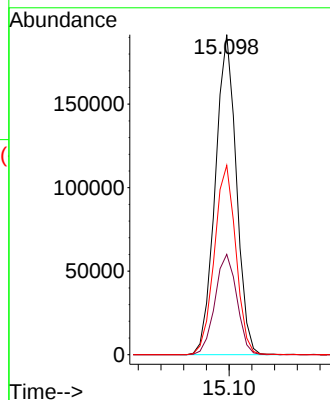
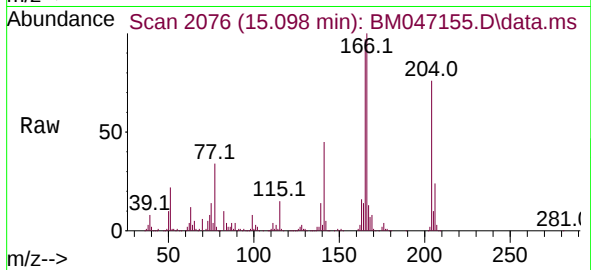




#61  
4-Chlorophenyl-phenylether  
Concen: 8.730 ng  
RT: 15.098 min Scan# 2076  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

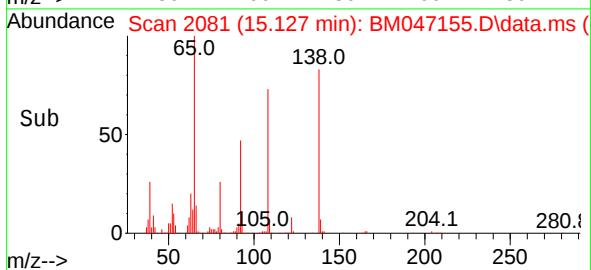
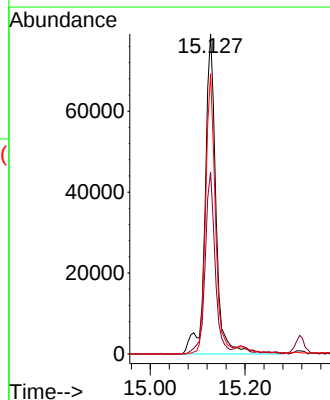
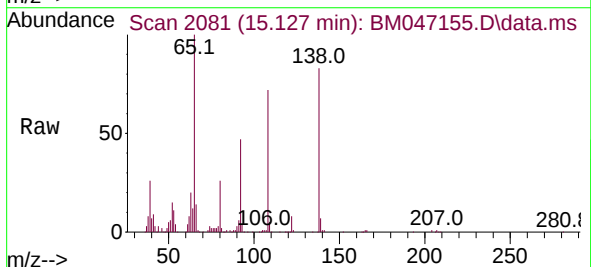
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

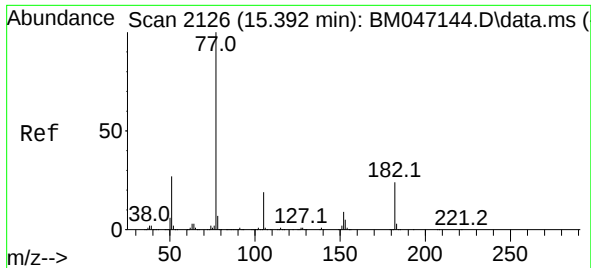
Tgt Ion:204 Resp: 246708  
Ion Ratio Lower Upper  
204 100  
206 31.4 26.2 39.4  
141 59.1 47.2 70.8



#62  
4-Nitroaniline  
Concen: 8.907 ng  
RT: 15.127 min Scan# 2081  
Delta R.T. -0.012 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:138 Resp: 125657  
Ion Ratio Lower Upper  
138 100  
92 56.9 31.9 71.9  
108 87.5 63.8 103.8

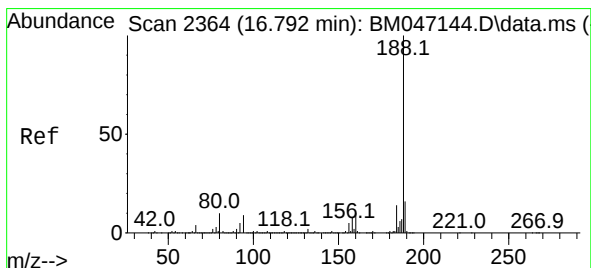
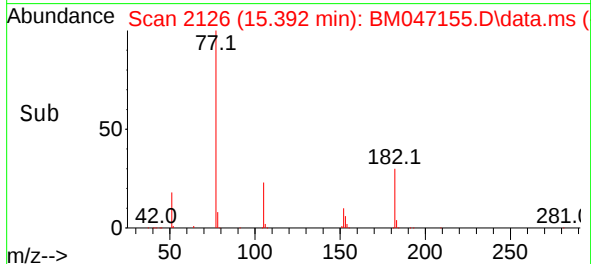
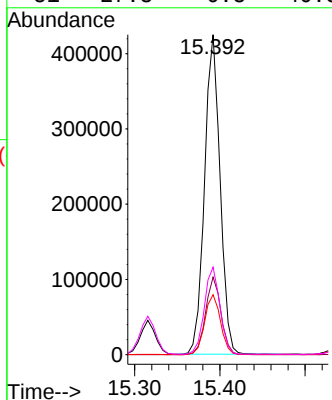
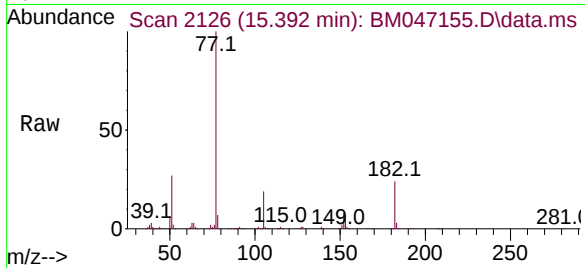




#63  
Azobenzene  
Concen: 9.073 ng  
RT: 15.392 min Scan# 2126  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

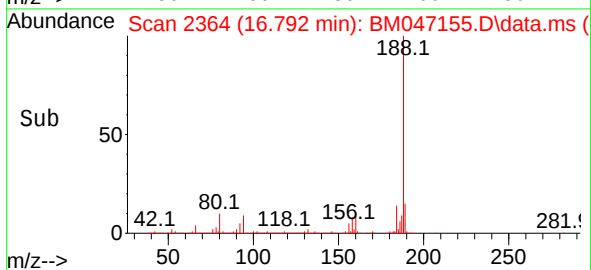
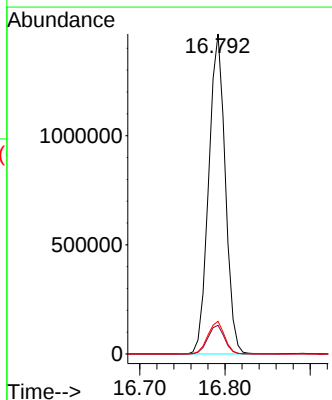
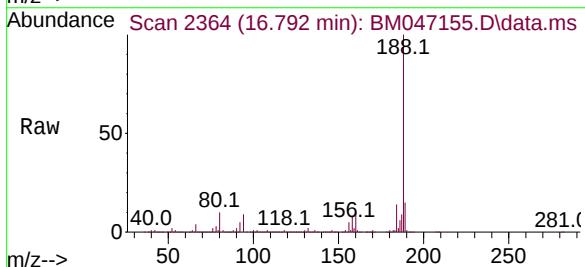
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

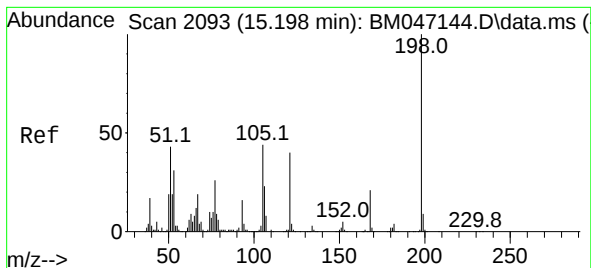
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 537085 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 24.2    | 3.8 43.8     |
| 105 18.7    | 0.0 39.5     |
| 51 27.3     | 6.8 46.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.792 min Scan# 2364  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

|             |               |
|-------------|---------------|
| Tgt Ion:188 | Resp: 1984819 |
| Ion Ratio   | Lower Upper   |
| 188 100     |               |
| 94 9.0      | 7.0 10.6      |
| 80 10.2     | 8.0 12.0      |

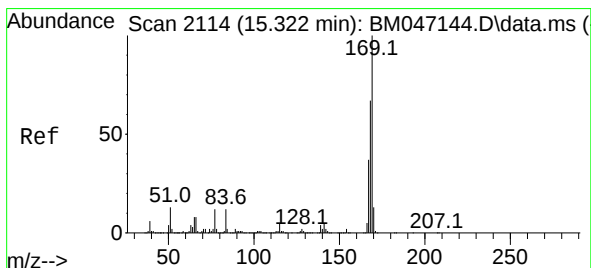
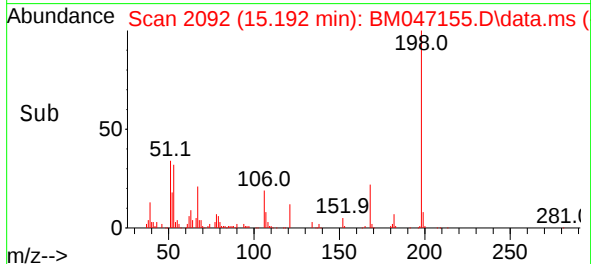
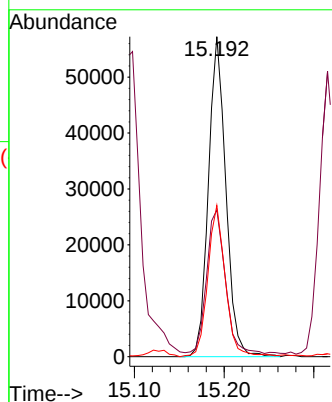
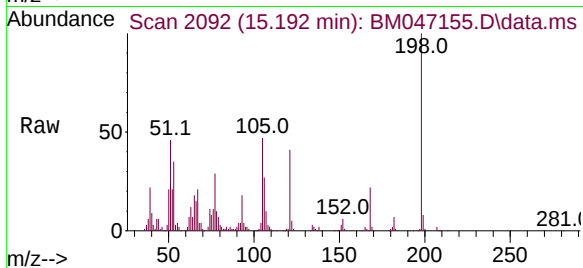




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.648 ng  
RT: 15.192 min Scan# 2092  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

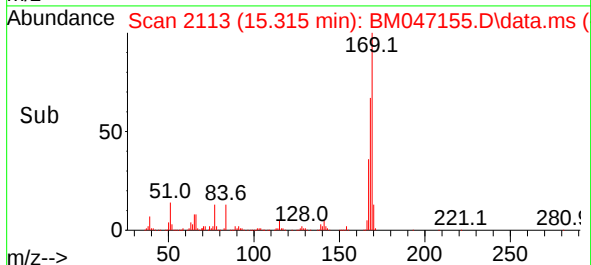
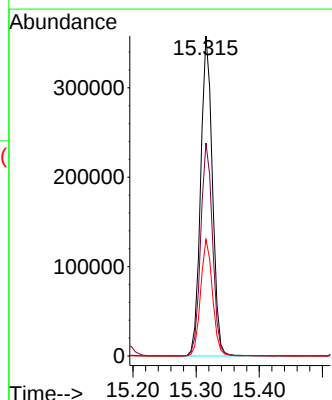
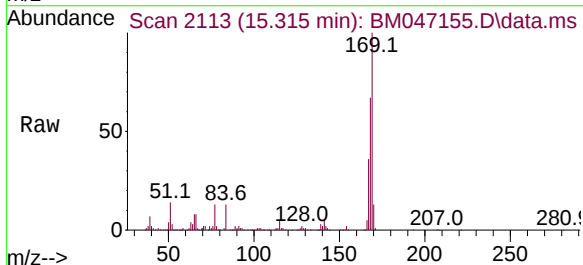
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

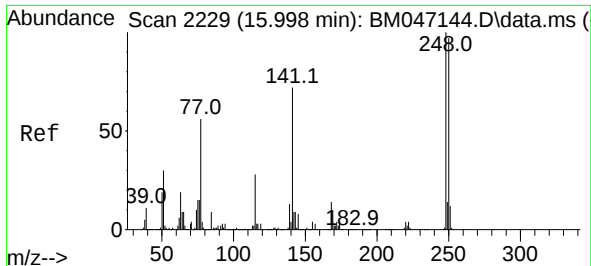
Tgt Ion:198 Resp: 77257  
Ion Ratio Lower Upper  
198 100  
51 45.9 23.9 63.9  
105 47.3 24.3 64.3



#66  
n-Nitrosodiphenylamine  
Concen: 8.534 ng  
RT: 15.315 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

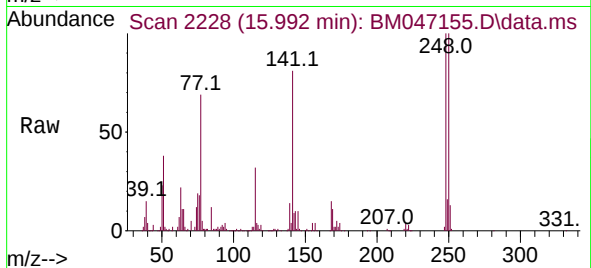
Tgt Ion:169 Resp: 461350  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.8 80.8  
167 36.5 29.3 43.9



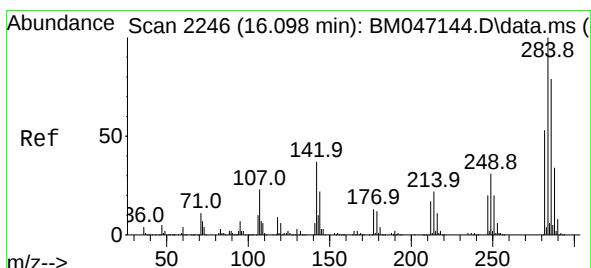
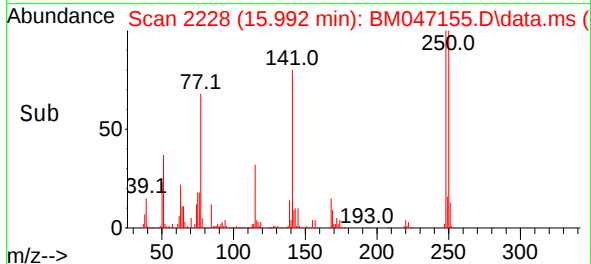
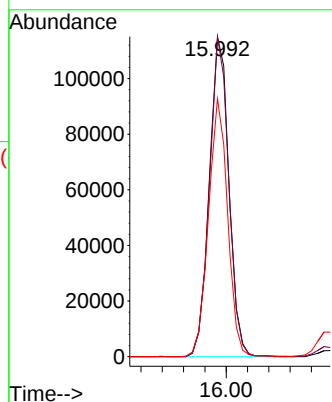


#67  
4-Bromophenyl-phenylether  
Concen: 7.674 ng  
RT: 15.992 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

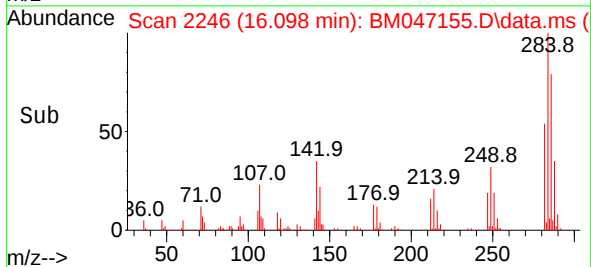
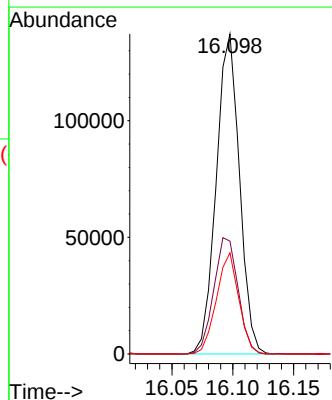
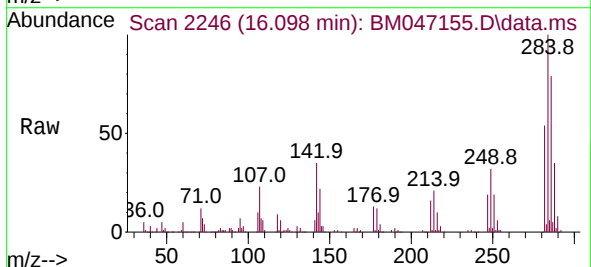


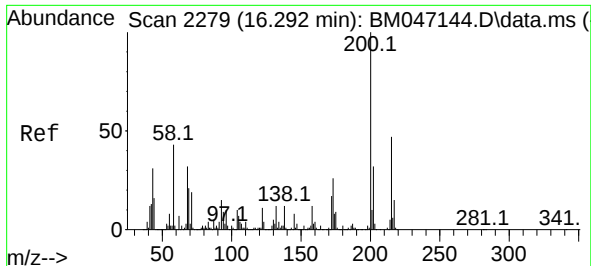
Tgt Ion:248 Resp: 146776  
Ion Ratio Lower Upper  
248 100  
250 99.9 77.8 116.8  
141 80.6 57.7 86.5



#68  
Hexachlorobenzene  
Concen: 7.960 ng  
RT: 16.098 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:284 Resp: 182329  
Ion Ratio Lower Upper  
284 100  
142 35.3 29.4 44.0  
249 31.6 25.1 37.7

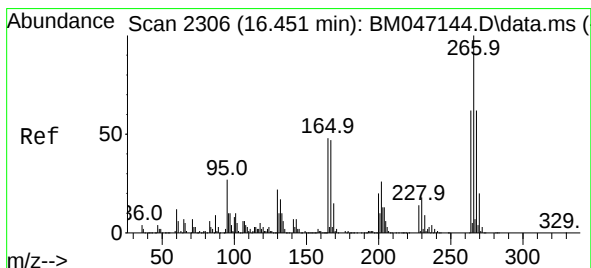
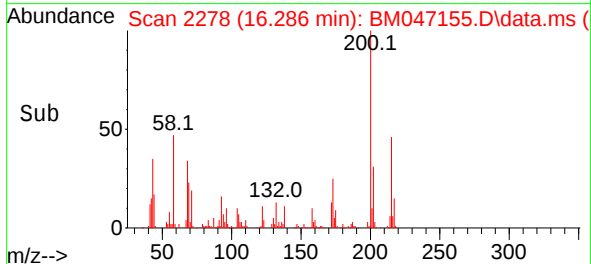
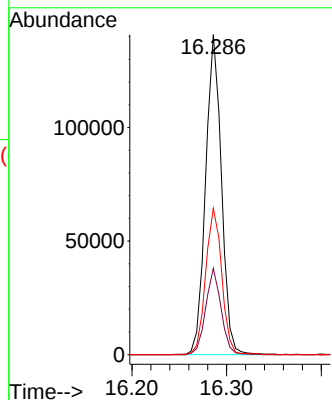
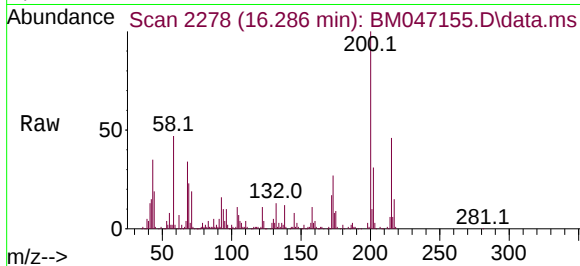




#69  
Atrazine  
Concen: 10.046 ng  
RT: 16.286 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

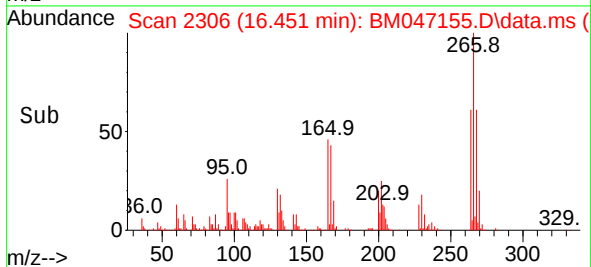
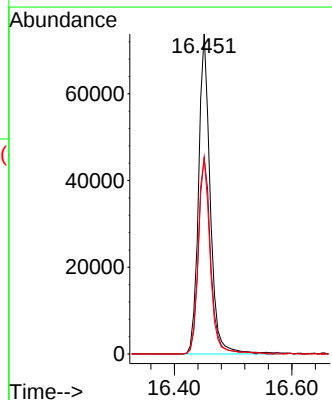
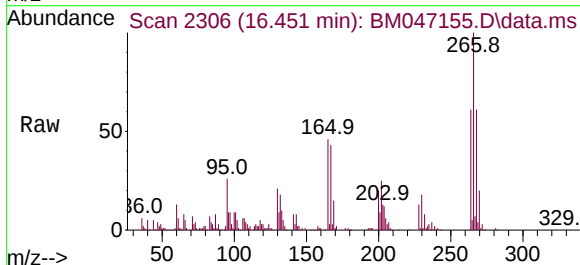
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BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

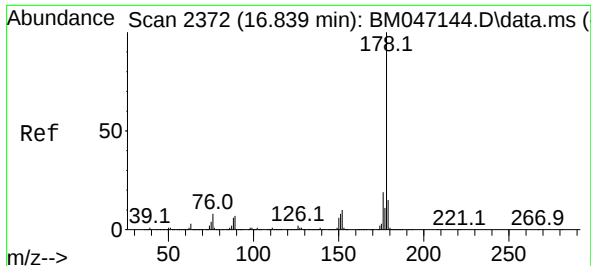
Tgt Ion:200 Resp: 163422  
Ion Ratio Lower Upper  
200 100  
173 27.0 6.1 46.1  
215 45.7 26.8 66.8



#70  
Pentachlorophenol  
Concen: 6.332 ng  
RT: 16.451 min Scan# 2306  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:266 Resp: 101680  
Ion Ratio Lower Upper  
266 100  
268 61.4 49.8 74.6  
264 61.2 49.6 74.4

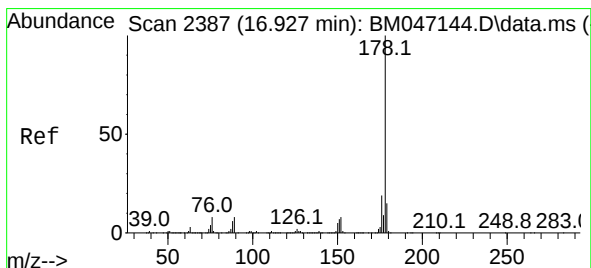
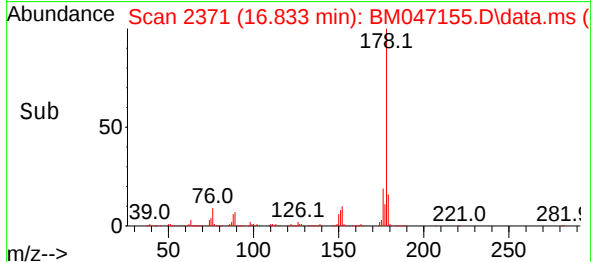
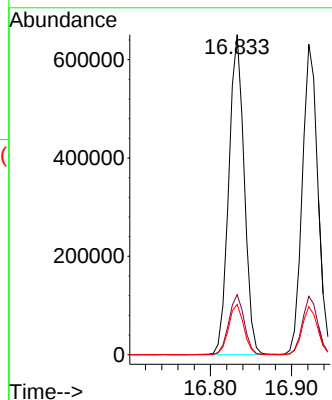
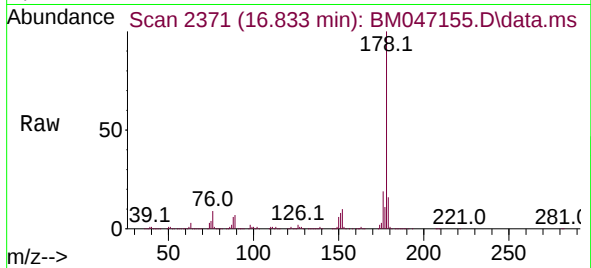




#71  
Phenanthrene  
Concen: 8.614 ng  
RT: 16.833 min Scan# 2371  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

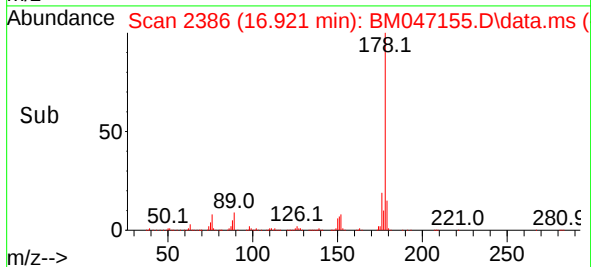
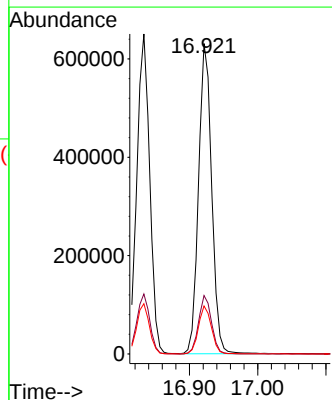
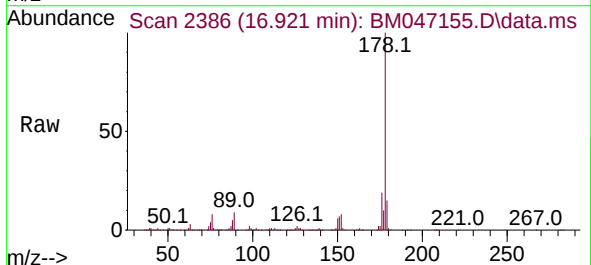
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

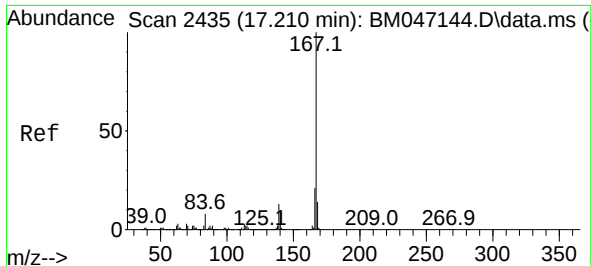
Tgt Ion:178 Resp: 858077  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.7 12.4 18.6



#72  
Anthracene  
Concen: 8.722 ng  
RT: 16.921 min Scan# 2386  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:178 Resp: 845394  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.8 22.2  
179 15.5 12.4 18.6

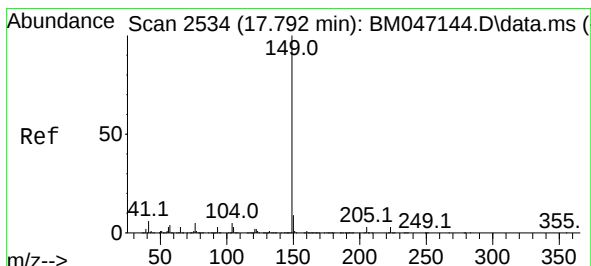
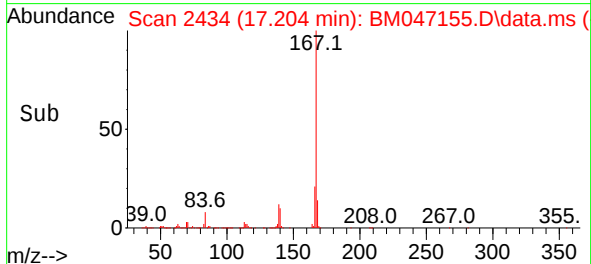
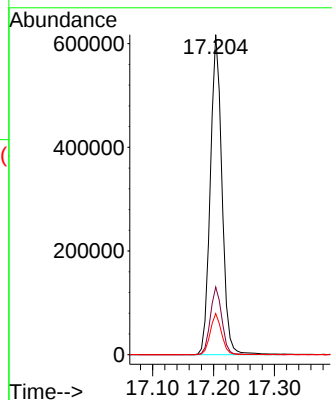
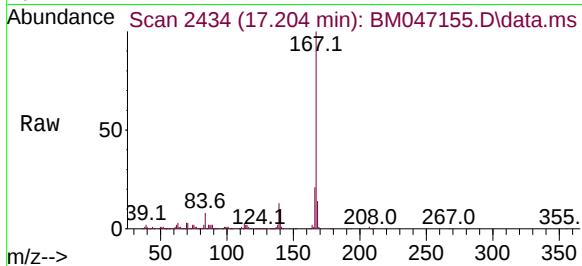




#73  
 Carbazole  
 Concen: 8.299 ng  
 RT: 17.204 min Scan# 2435  
 Delta R.T. -0.006 min  
 Lab File: BM047155.D  
 Acq: 12 Aug 2024 13:45

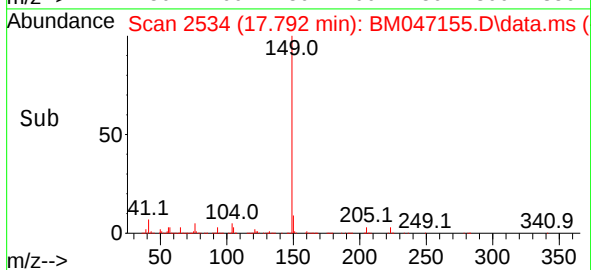
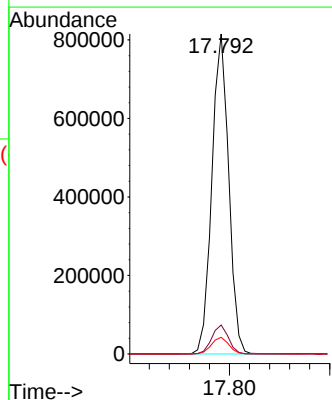
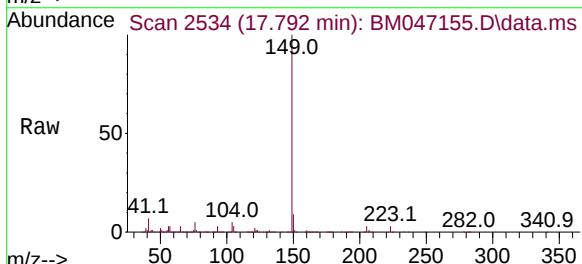
Instrument : BNA\_M  
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2024

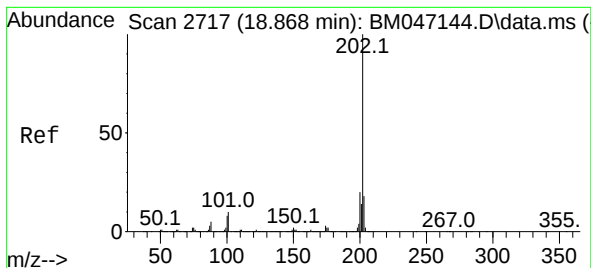
Tgt Ion:167 Resp: 821269  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.1 25.7  
 139 12.8 10.0 15.0



#74  
 Di-n-butylphthalate  
 Concen: 8.244 ng  
 RT: 17.792 min Scan# 2534  
 Delta R.T. -0.000 min  
 Lab File: BM047155.D  
 Acq: 12 Aug 2024 13:45

Tgt Ion:149 Resp: 949251  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.5 11.3  
 104 5.2 4.1 6.1

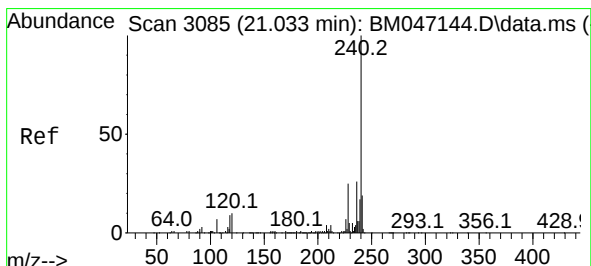
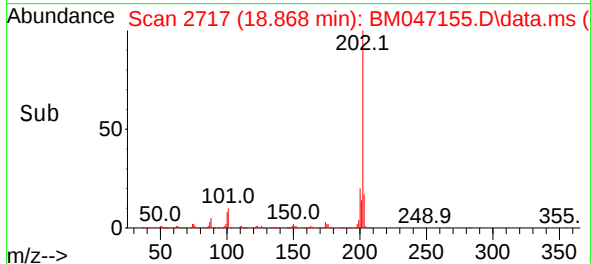
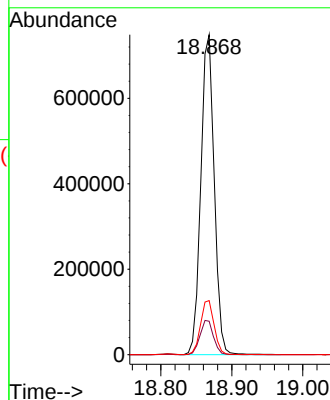
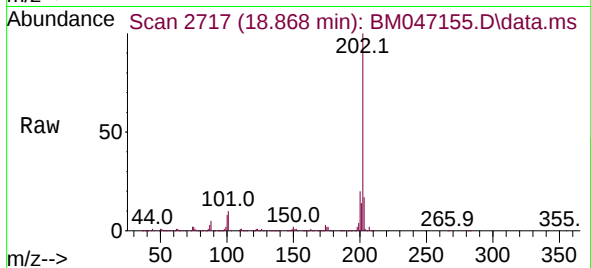




#75  
Fluoranthene  
Concen: 8.138 ng  
RT: 18.868 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

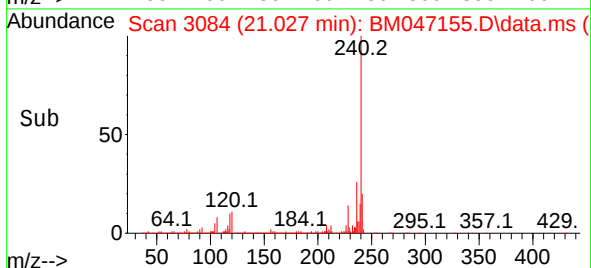
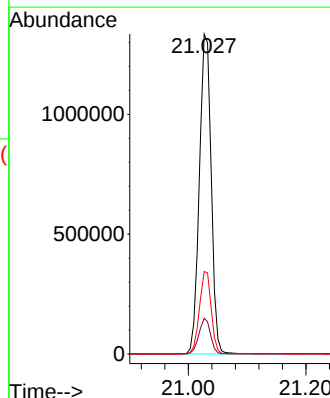
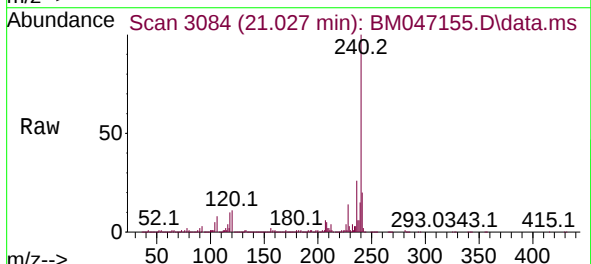
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

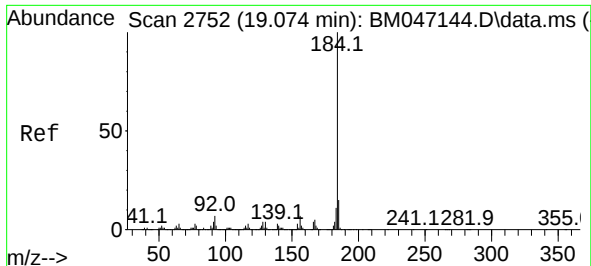
Tgt Ion:202 Resp: 985968  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 30.2  
203 16.9 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.027 min Scan# 3084  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:240 Resp: 1868008  
Ion Ratio Lower Upper  
240 100  
120 11.1 8.2 12.2  
236 25.8 20.6 30.8

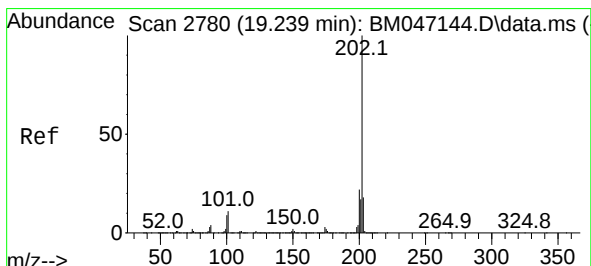
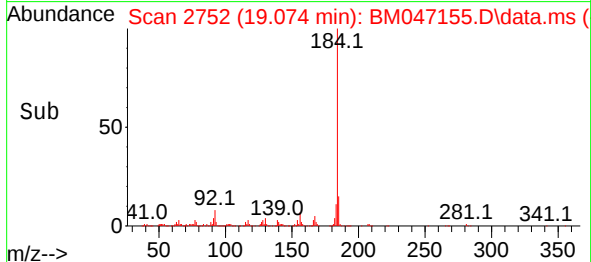
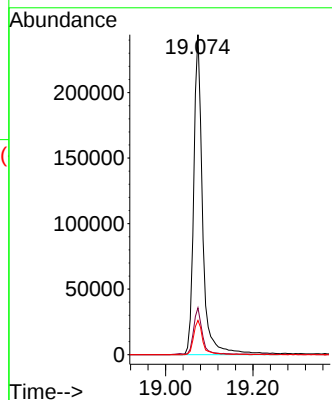
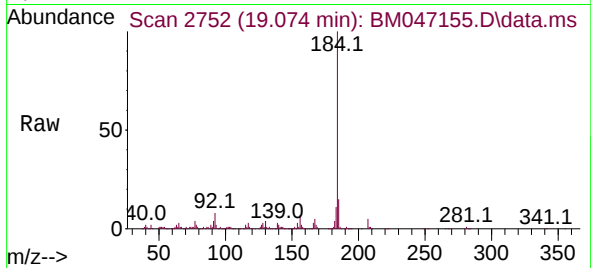




#77  
Benzidine  
Concen: 10.953 ng  
RT: 19.074 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

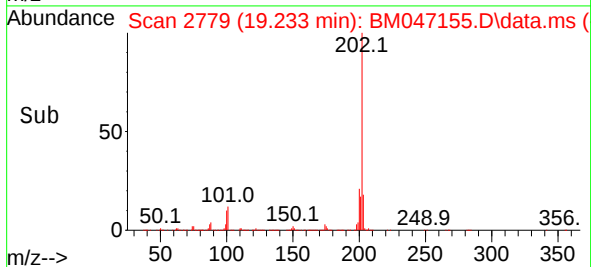
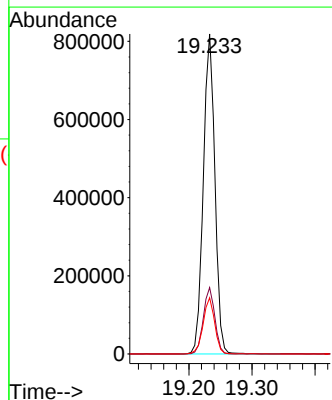
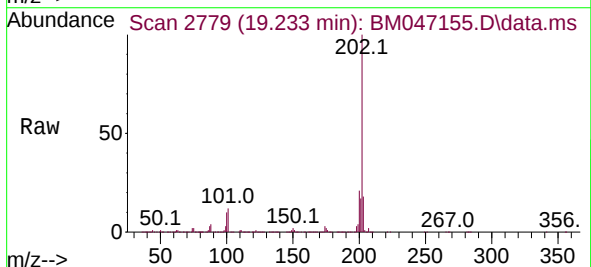
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2024

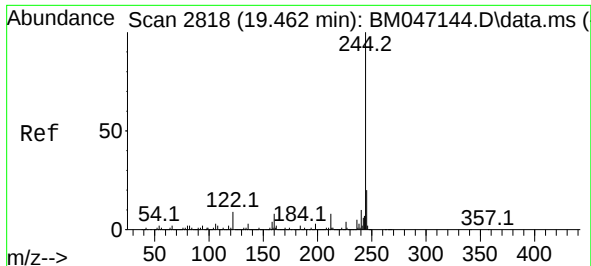
Tgt Ion:184 Resp: 346989  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.8 17.6  
183 10.7 9.0 13.6



#78  
Pyrene  
Concen: 7.818 ng  
RT: 19.233 min Scan# 2779  
Delta R.T. -0.006 min  
Lab File: BM047155.D  
Acq: 12 Aug 2024 13:45

Tgt Ion:202 Resp: 1042805  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.2 25.8  
203 17.5 14.2 21.2

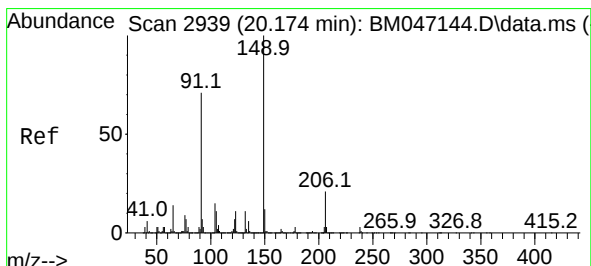
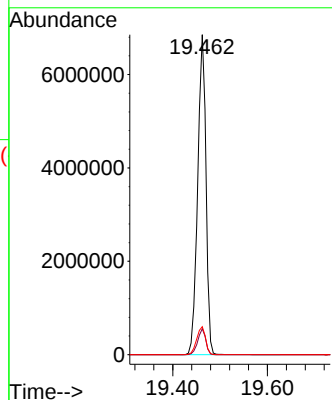
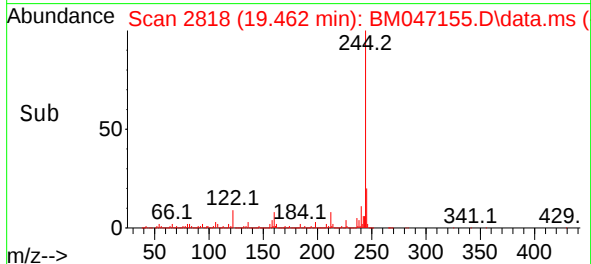
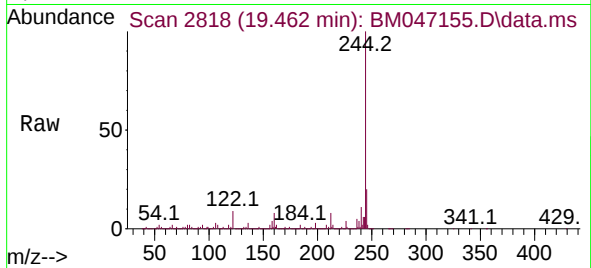




#79  
 Terphenyl-d14  
 Concen: 95.326 ng  
 RT: 19.462 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BM047155.D  
 Acq: 12 Aug 2024 13:45

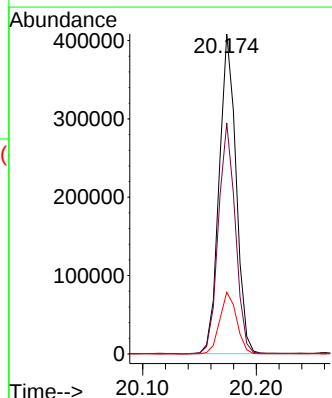
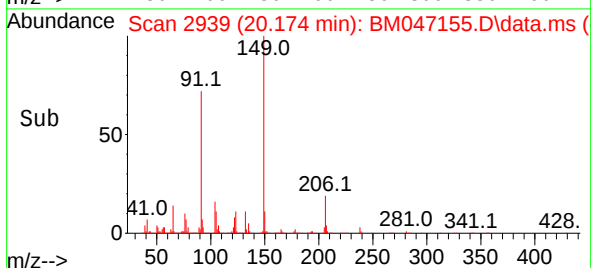
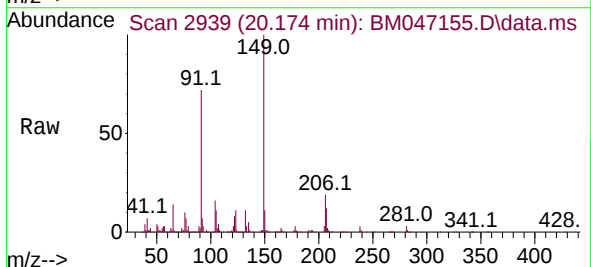
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2024

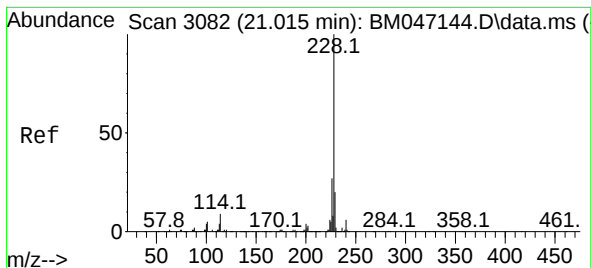
Tgt Ion:244 Resp: 8310315  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.2 9.4  
 122 8.7 7.1 10.7



#80  
 Butylbenzylphthalate  
 Concen: 7.735 ng  
 RT: 20.174 min Scan# 2939  
 Delta R.T. -0.000 min  
 Lab File: BM047155.D  
 Acq: 12 Aug 2024 13:45

Tgt Ion:149 Resp: 421036  
 Ion Ratio Lower Upper  
 149 100  
 91 72.2 57.0 85.4  
 206 19.3 16.4 24.6





#81

Benzo(a)anthracene

Concen: 8.159 ng

RT: 21.009 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

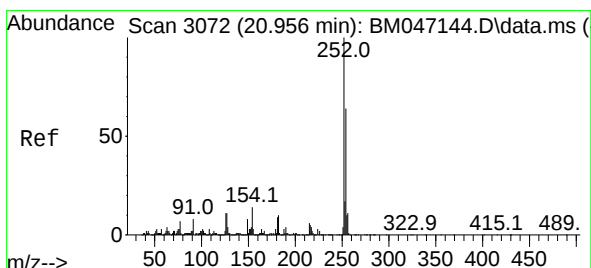
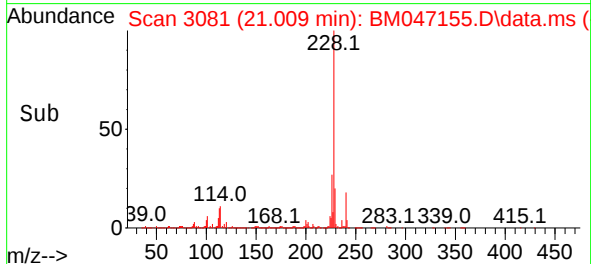
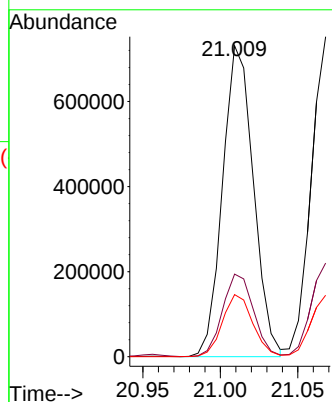
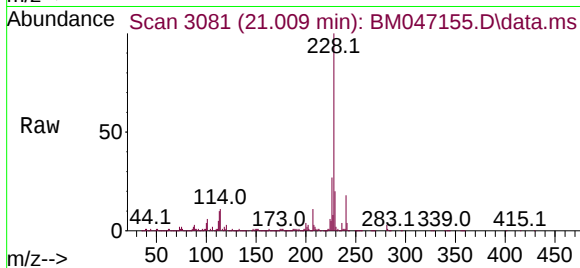
Tgt Ion:228 Resp: 1011740

Ion Ratio Lower Upper

228 100

226 26.6 21.8 32.6

229 20.0 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 9.568 ng

RT: 20.956 min Scan# 3072

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

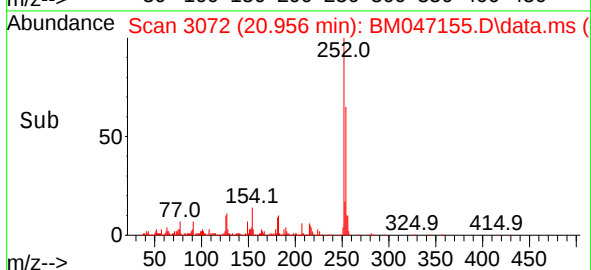
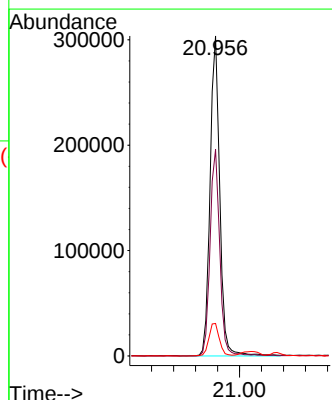
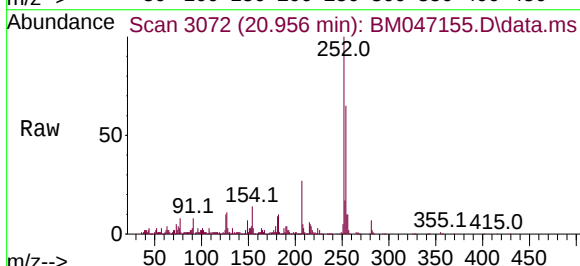
Tgt Ion:252 Resp: 371226

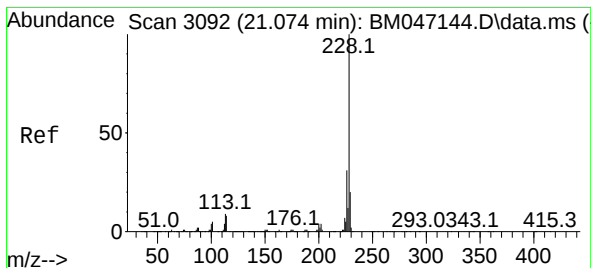
Ion Ratio Lower Upper

252 100

254 64.6 51.0 76.6

126 10.1 8.5 12.7





#83

Chrysene

Concen: 8.051 ng

RT: 21.068 min Scan# 3092

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

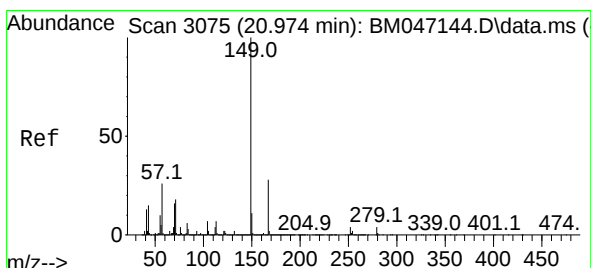
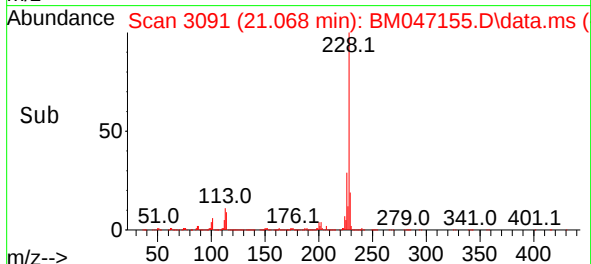
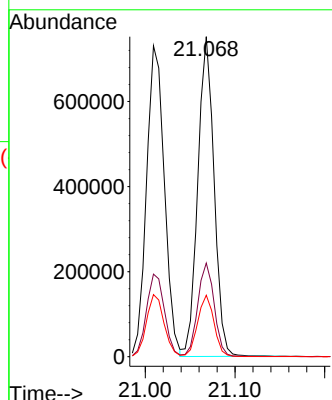
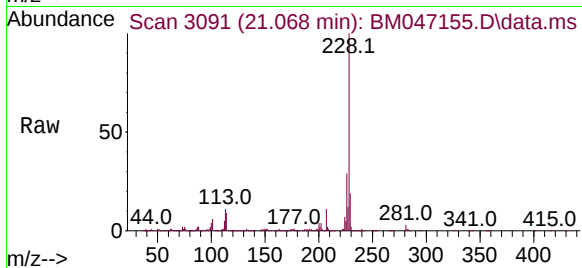
Tgt Ion:228 Resp: 947196

Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 19.2 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.153 ng

RT: 20.974 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

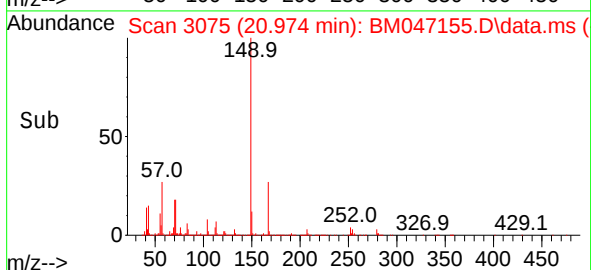
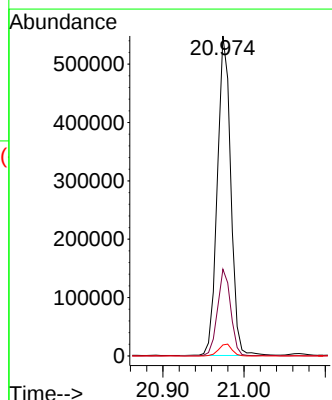
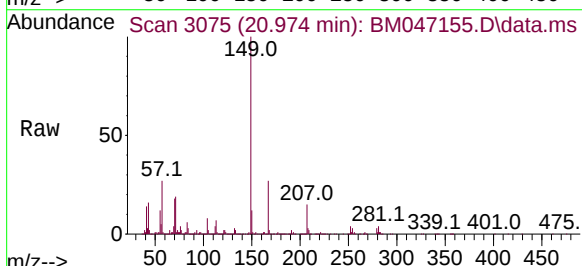
Tgt Ion:149 Resp: 629384

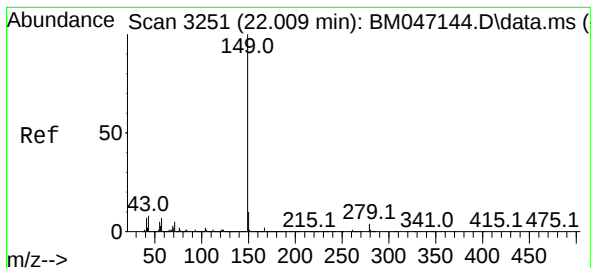
Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.2

279 3.5 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 7.630 ng

RT: 22.009 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

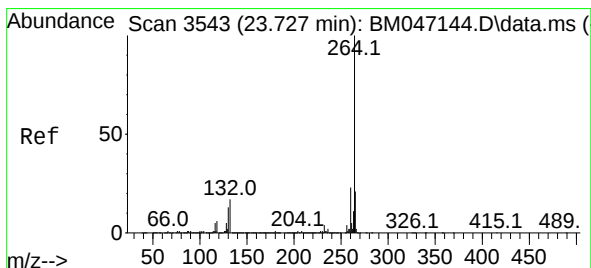
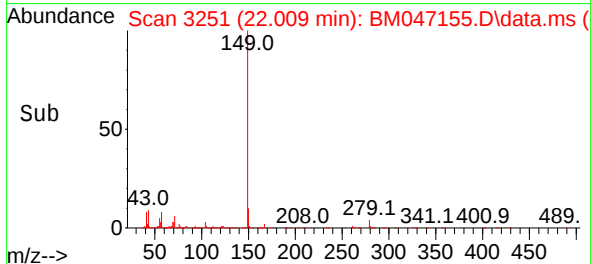
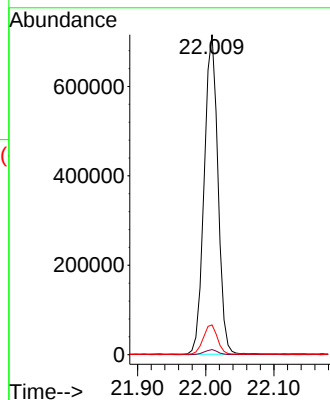
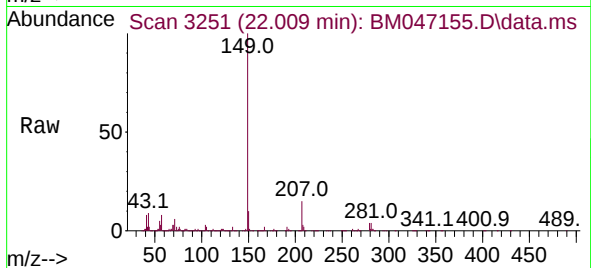
Tgt Ion:149 Resp: 1001117

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.6 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.727 min Scan# 3543

Delta R.T. -0.000 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

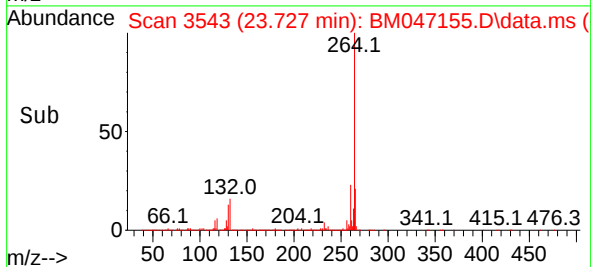
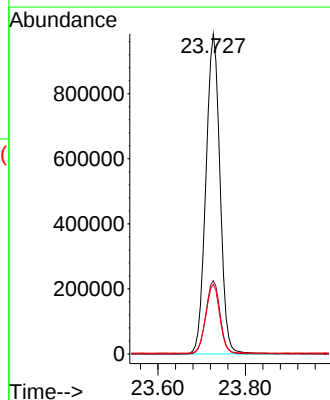
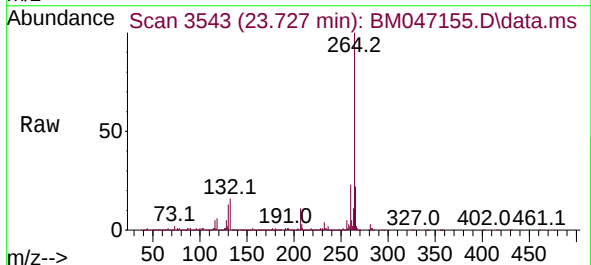
Tgt Ion:264 Resp: 2209570

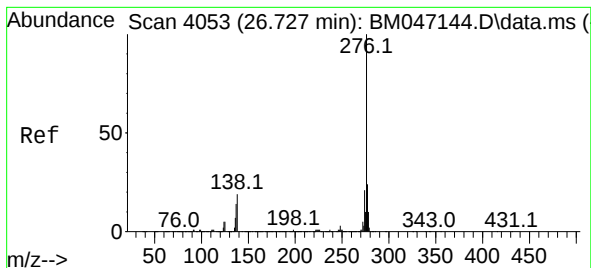
Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 21.8 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.938 ng

RT: 26.709 min Scan# 4053

Delta R.T. -0.018 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

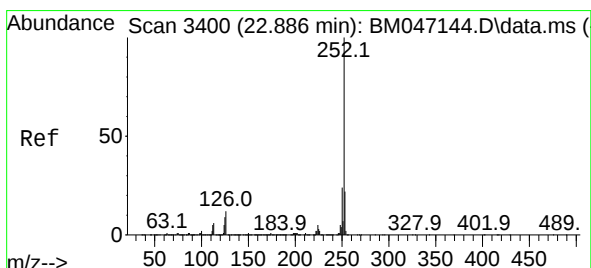
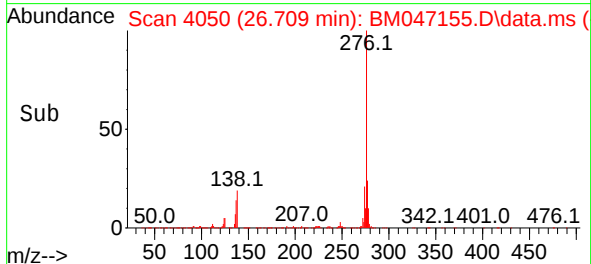
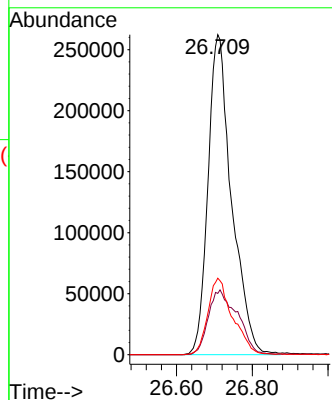
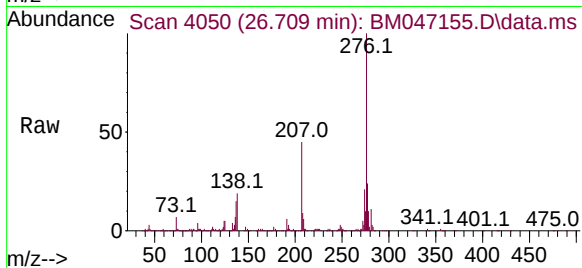
Tgt Ion:276 Resp: 1133665

Ion Ratio Lower Upper

276 100

138 25.1 19.4 29.0

277 24.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 8.041 ng

RT: 22.880 min Scan# 3399

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

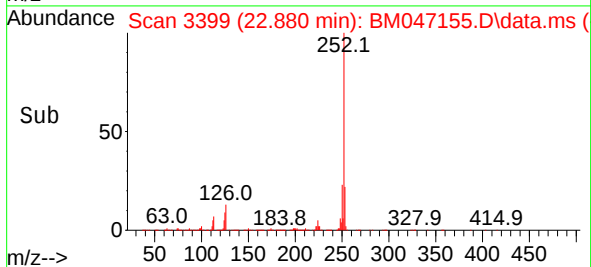
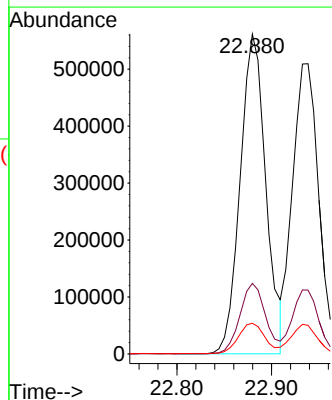
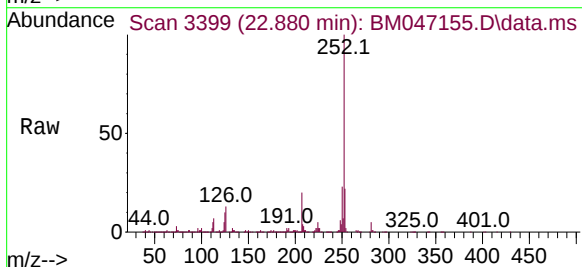
Tgt Ion:252 Resp: 1055112

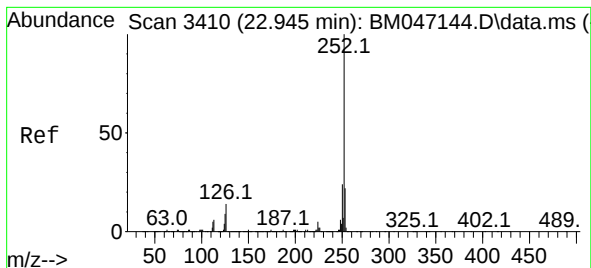
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 9.6 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 7.902 ng

RT: 22.938 min Scan# 3410

Delta R.T. -0.006 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

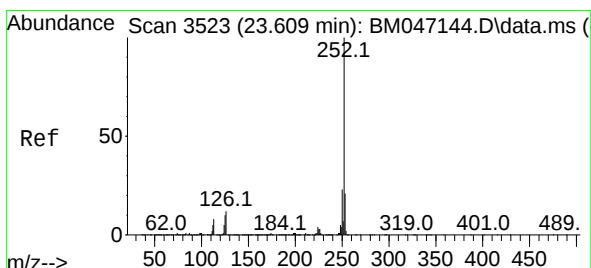
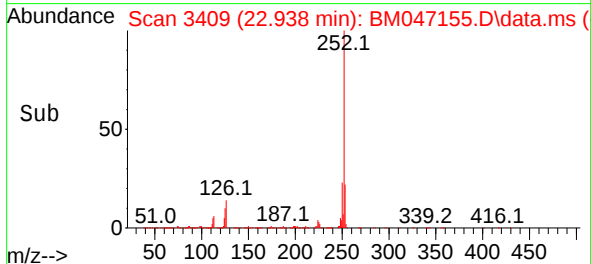
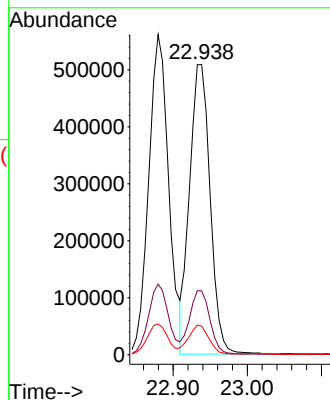
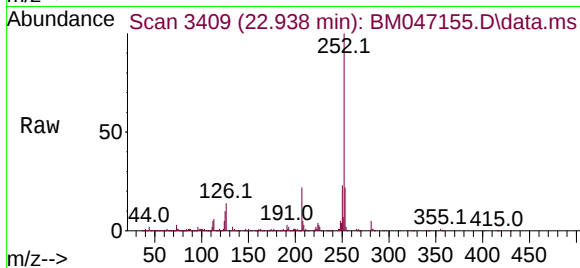
Tgt Ion:252 Resp: 979390

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 7.804 ng

RT: 23.597 min Scan# 3521

Delta R.T. -0.012 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

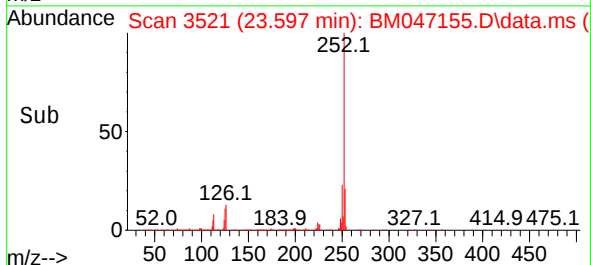
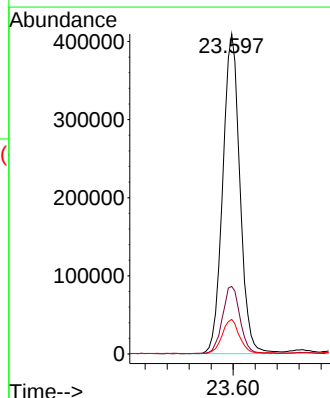
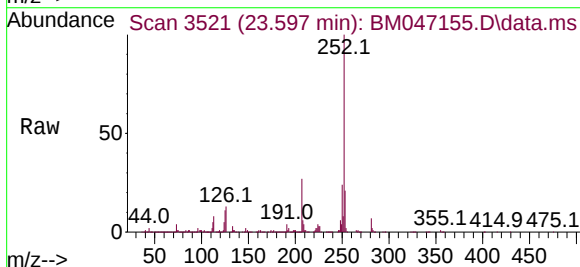
Tgt Ion:252 Resp: 887084

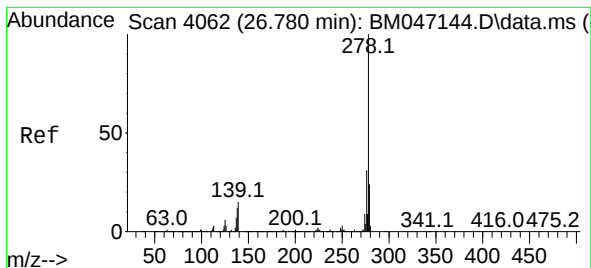
Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

125 10.8 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 8.165 ng

RT: 26.762 min Scan# 4062

Delta R.T. -0.018 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2024

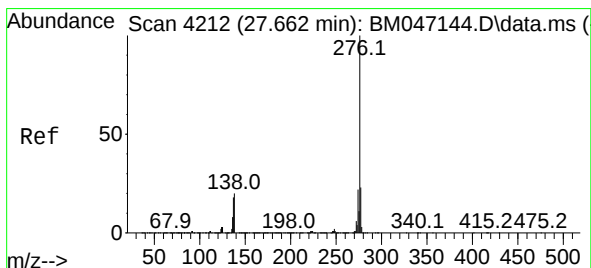
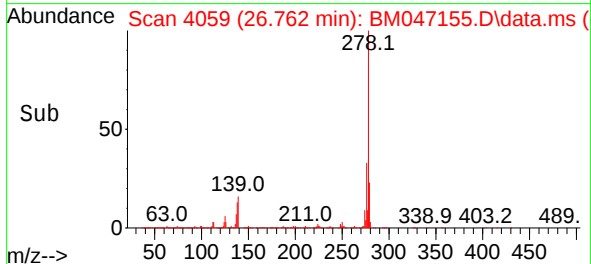
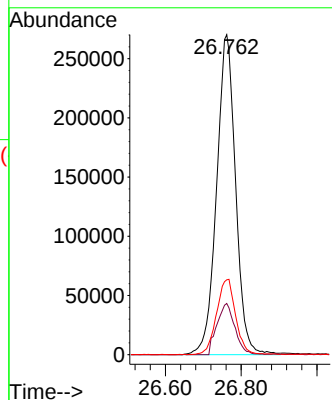
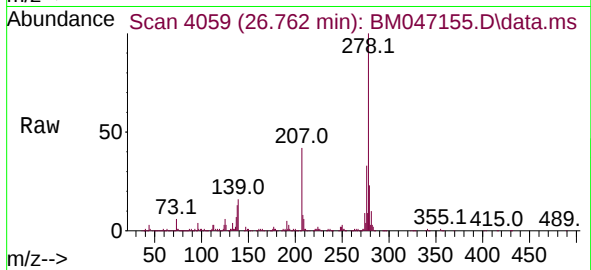
Tgt Ion:278 Resp: 943732

Ion Ratio Lower Upper

278 100

139 16.0 12.0 18.0

279 23.4 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 7.604 ng

RT: 27.638 min Scan# 4208

Delta R.T. -0.024 min

Lab File: BM047155.D

Acq: 12 Aug 2024 13:45

Tgt Ion:276 Resp: 912547

Ion Ratio Lower Upper

276 100

277 23.2 18.8 28.2

138 21.2 16.2 24.4

