

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020924\  
 Data File : BM044034.D  
 Acq On : 09 Feb 2024 11:53  
 Operator : MA/JU  
 Sample : 03572-01  
 Misc : LOD-MDL-SOIL-8ppm  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Feb 09 12:22:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 09 02:42:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.910  | 152  | 491317   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.710 | 136  | 2149777  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.551 | 164  | 1268335  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 2501626  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 1956563  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.897 | 264  | 2131650  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 3177501  | 94.063 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.081  | 99   | 4146630  | 96.477 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.081  | 82   | 2801421  | 69.148 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.045 | 330  | 1337148  | 97.370 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.180 | 172  | 5906594  | 65.725 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 7428428  | 66.557 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.387  | 88   | 97256    | 7.254  | ng    | 97       |
| 3) Pyridine                   | 3.787  | 79   | 215907   | 6.100  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.710  | 42   | 93547    | 6.966  | ng    | # 95     |
| 6) Aniline                    | 7.239  | 93   | 357001   | 8.448  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.469  | 128  | 252640   | 7.162  | ng    | 97       |
| 9) Benzaldehyde               | 7.057  | 77   | 222998m  | 10.096 | ng    |          |
| 10) Phenol                    | 7.104  | 94   | 313722   | 7.232  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.345  | 93   | 258603   | 7.199  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.792  | 146  | 277384   | 6.926  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.945  | 146  | 282893   | 7.007  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.257  | 146  | 269551   | 7.007  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.151  | 79   | 207694   | 7.422  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.445  | 45   | 334638   | 7.349  | ng    | 98       |
| 17) 2-Methylphenol            | 8.351  | 107  | 200378   | 7.037  | ng    | 97       |
| 18) Hexachloroethane          | 8.981  | 117  | 102477   | 6.779  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 196089   | 7.430  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.681  | 107  | 272742   | 6.959  | ng    | 98       |
| 22) Acetophenone              | 8.739  | 105  | 398452   | 7.302  | ng    | # 98     |
| 24) Nitrobenzene              | 9.122  | 77   | 294026   | 7.087  | ng    | 99       |
| 25) Isophorone                | 9.639  | 82   | 537992   | 6.896  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.828  | 139  | 119537   | 6.215  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 9.886  | 122  | 175714   | 7.144  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.133 | 93   | 356149   | 7.059  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 211783   | 6.540  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.569 | 180  | 242438   | 6.658  | ng    | 98       |
| 31) Naphthalene               | 10.763 | 128  | 820470   | 6.915  | ng    | 99       |
| 32) Benzoic acid              | 9.963  | 122  | 93025    | 3.755  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.880 | 127  | 325729   | 7.250  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.033 | 225  | 133509   | 6.406  | ng    | 98       |
| 35) Caprolactam               | 11.651 | 113  | 63399    | 6.084  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.998 | 107  | 232670   | 6.636  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.374 | 142  | 538906   | 6.819  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.592 | 142  | 529524   | 6.818  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.733 | 216  | 257175   | 6.976  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.710 | 237  | 110272   | 6.854  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.980 | 196  | 158675   | 6.324  | ng    | 99       |

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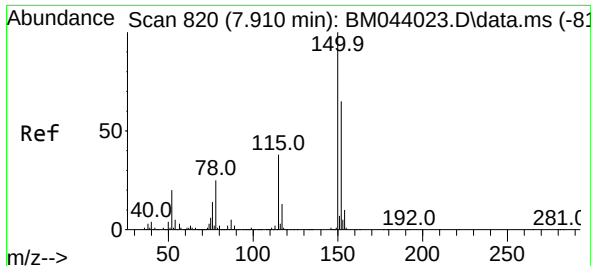
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Feb 09 12:22:10 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 09 02:42:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.045 | 196  | 174193   | 6.327  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.386 | 154  | 723746   | 7.232  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.427 | 162  | 542969   | 6.849  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.639 | 65   | 141507   | 6.345  | ng    | 93       |
| 49) Acenaphthylene            | 14.274 | 152  | 878109   | 7.424  | ng    | 99       |
| 50) Dimethylphthalate         | 14.021 | 163  | 659778   | 7.016  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.139 | 165  | 131237   | 6.325  | ng    | 94       |
| 52) Acenaphthene              | 14.615 | 154  | 505825   | 6.910  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.468 | 138  | 141868   | 6.362  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 14.668 | 184  | 48441    | 9.205  | ng    | 97       |
| 55) Dibenzofuran              | 14.951 | 168  | 817687   | 7.217  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.768 | 139  | 103307   | 5.699  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.921 | 165  | 164788   | 6.077  | ng    | 98       |
| 58) Fluorene                  | 15.598 | 166  | 644060   | 7.357  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 149344   | 6.913  | ng    | 99       |
| 60) Diethylphthalate          | 15.386 | 149  | 654259   | 6.732  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 308242   | 7.266  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.627 | 138  | 133485   | 5.947  | ng    | 97       |
| 63) Azobenzene                | 15.892 | 77   | 630763   | 6.918  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.680 | 198  | 72309    | 4.851  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.815 | 169  | 533599   | 7.021  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.498 | 248  | 161826   | 6.543  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.592 | 284  | 204488   | 6.749  | ng    | 100      |
| 69) Atrazine                  | 16.774 | 200  | 173020   | 8.407  | ng    | 99       |
| 70) Pentachlorophenol         | 16.945 | 266  | 101547   | 5.152  | ng    | 98       |
| 71) Phenanthrene              | 17.345 | 178  | 946863   | 7.168  | ng    | 100      |
| 72) Anthracene                | 17.433 | 178  | 922235   | 7.052  | ng    | 99       |
| 73) Carbazole                 | 17.709 | 167  | 870906   | 6.847  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.292 | 149  | 1049985  | 6.351  | ng    | 99       |
| 75) Fluoranthene              | 19.362 | 202  | 991454   | 6.681  | ng    | 99       |
| 77) Benzidine                 | 19.562 | 184  | 320264   | 10.533 | ng    | 99       |
| 78) Pyrene                    | 19.727 | 202  | 1040809  | 6.907  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.650 | 149  | 396816   | 5.924  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 951170   | 6.989  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 321417   | 7.198  | ng    | 99       |
| 83) Chrysene                  | 21.539 | 228  | 867791   | 6.749  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.433 | 149  | 617554   | 6.249  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.374 | 149  | 944865   | 5.474  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.374 | 276  | 1006983  | 6.674  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.168 | 252  | 914828   | 6.865  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.215 | 252  | 851895   | 6.728  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.785 | 252  | 760303   | 6.532  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.403 | 278  | 854858   | 6.774  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.132 | 276  | 812249   | 6.346  | ng    | 99       |

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

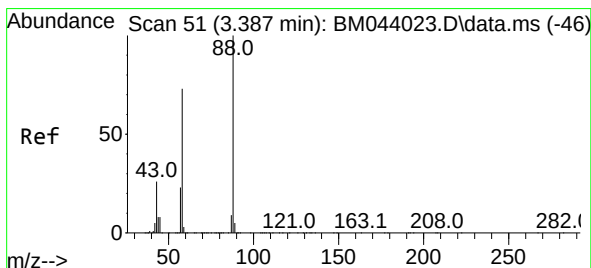
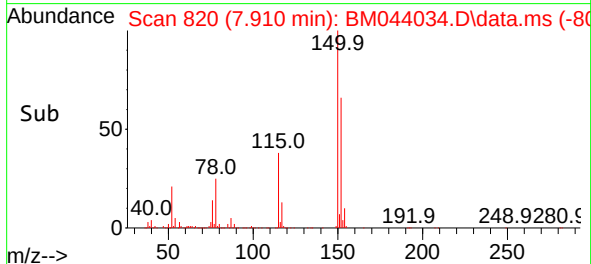
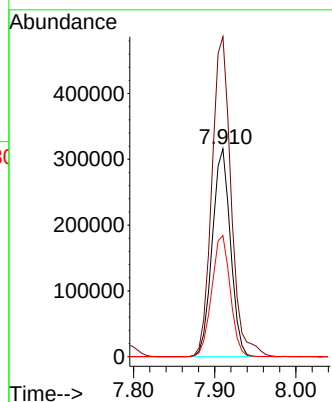
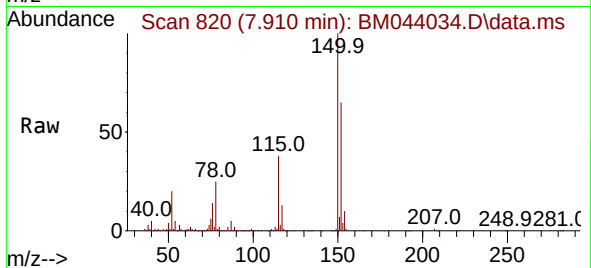




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.910 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

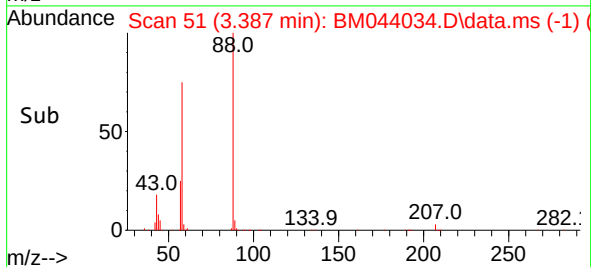
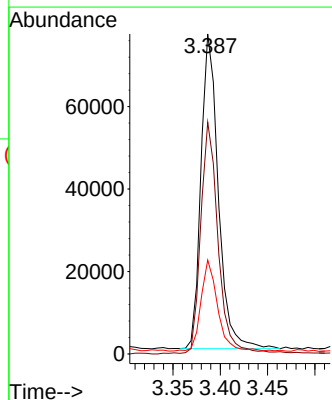
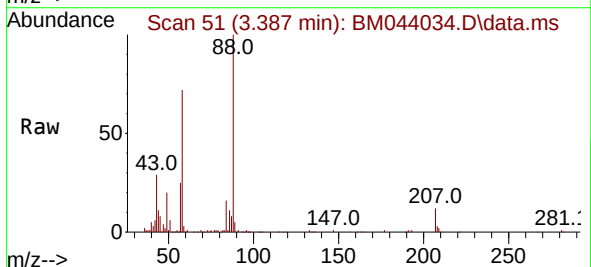
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

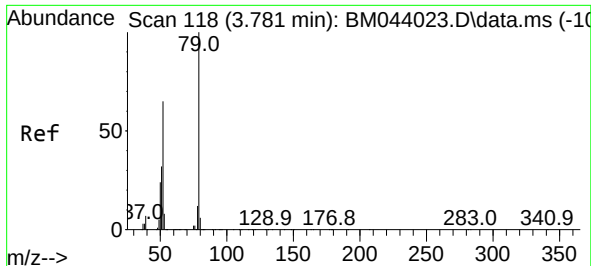
Tgt Ion:152 Resp: 491317  
 Ion Ratio Lower Upper  
 152 100  
 150 154.0 122.7 184.1  
 115 58.3 47.0 70.6



#2  
 1,4-Dioxane  
 Concen: 7.254 ng  
 RT: 3.387 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

Tgt Ion: 88 Resp: 97256  
 Ion Ratio Lower Upper  
 88 100  
 58 75.1 58.1 87.1  
 43 28.1 21.1 31.7

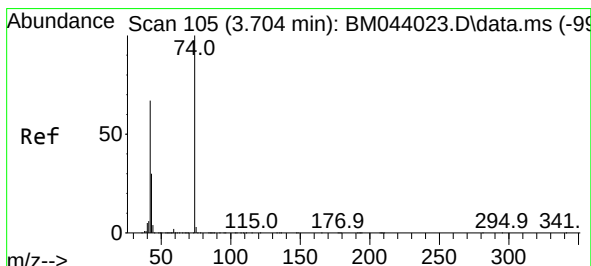
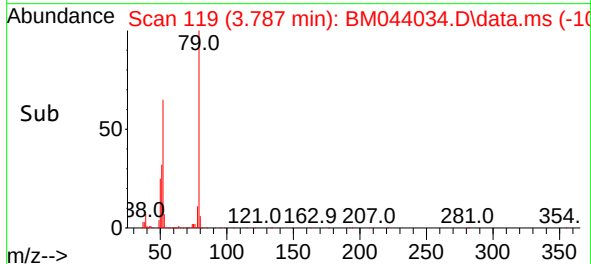
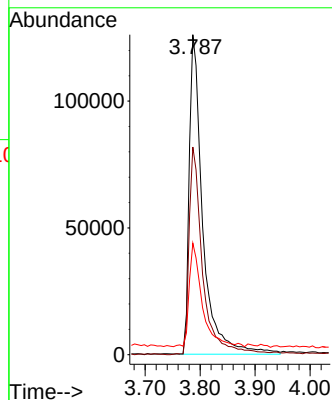
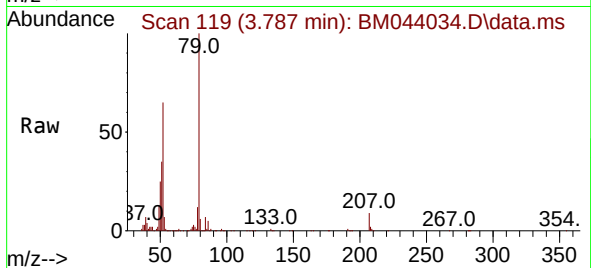




#3  
Pyridine  
Concen: 6.100 ng  
RT: 3.787 min Scan# 118  
Delta R.T. 0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

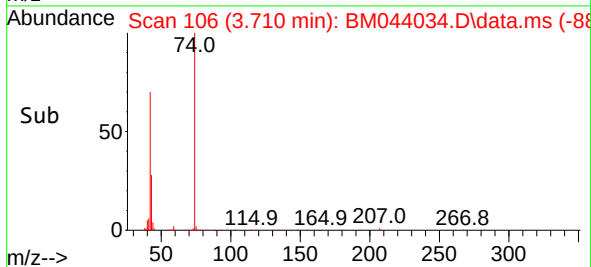
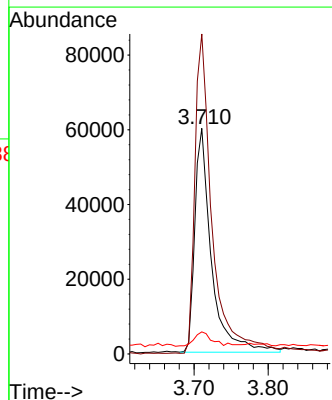
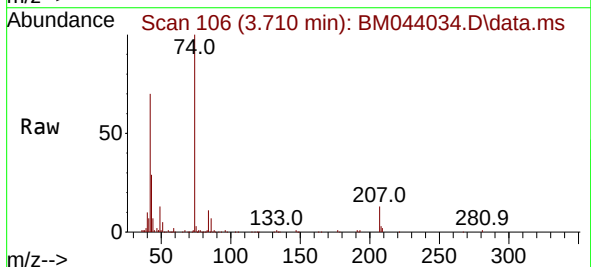
Instrument :  
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LOD-MDL-SOIL-01-QT3-2023

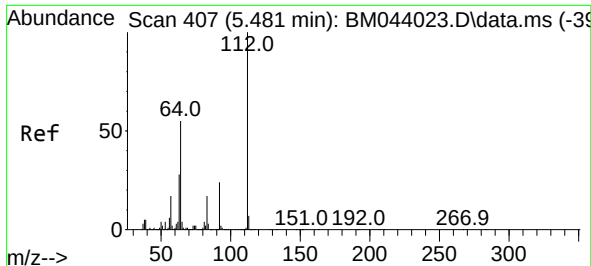
Tgt Ion: 79 Resp: 215907  
Ion Ratio Lower Upper  
79 100  
52 64.9 52.2 78.2  
51 34.9 26.2 39.4



#4  
n-Nitrosodimethylamine  
Concen: 6.966 ng  
RT: 3.710 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 42 Resp: 93547  
Ion Ratio Lower Upper  
42 100  
74 141.9 118.6 178.0  
44 9.8 5.6 8.4

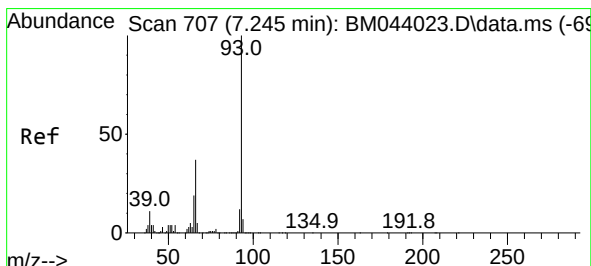
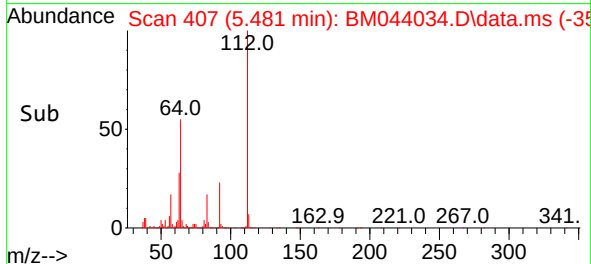
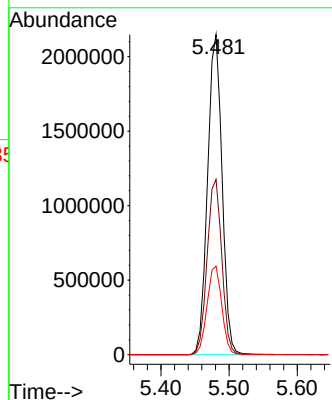
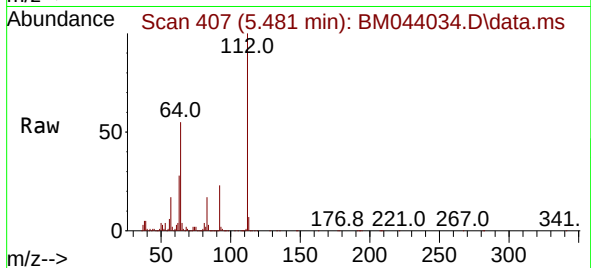




#5  
2-Fluorophenol  
Concen: 94.063 ng  
RT: 5.481 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

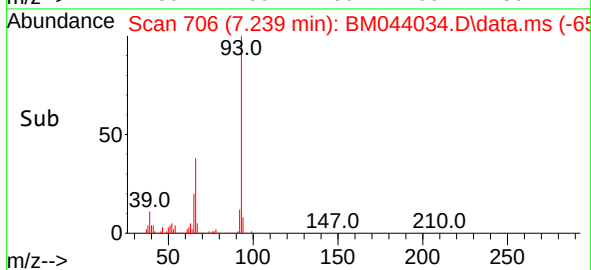
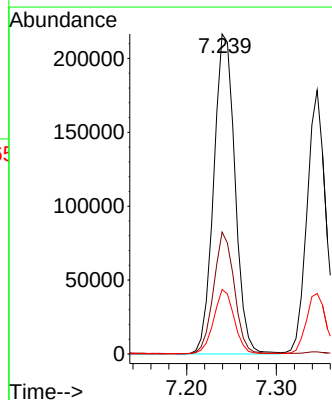
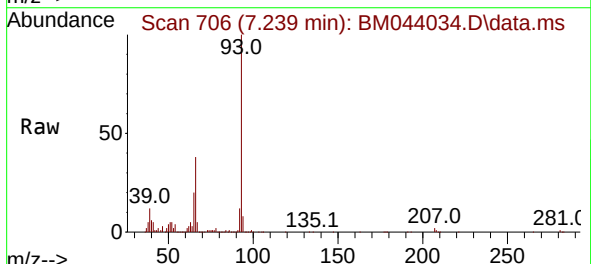
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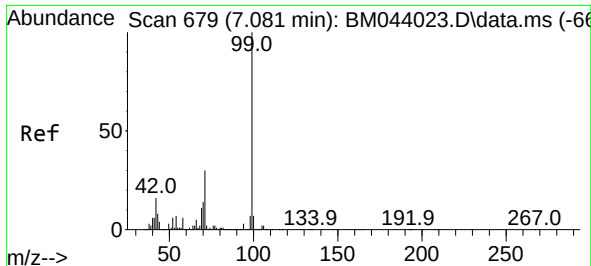
Tgt Ion:112 Resp: 3177501  
Ion Ratio Lower Upper  
112 100  
64 54.8 44.2 66.4  
63 27.7 22.6 34.0



#6  
Aniline  
Concen: 8.448 ng  
RT: 7.239 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
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Tgt Ion: 93 Resp: 357001  
Ion Ratio Lower Upper  
93 100  
66 38.1 29.4 44.0  
65 20.2 15.2 22.8

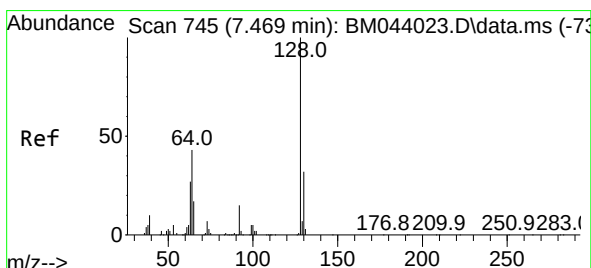
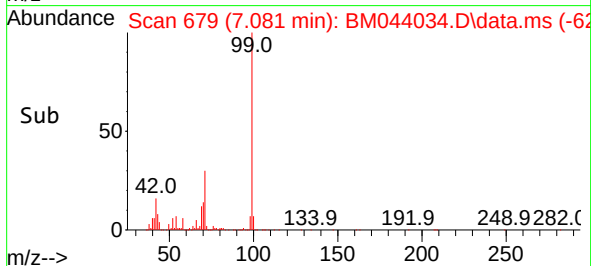
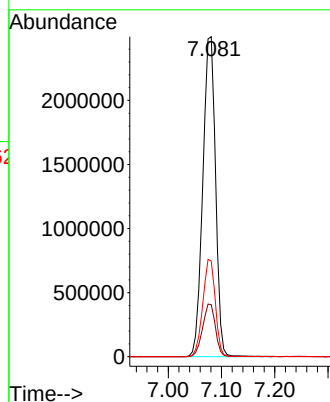
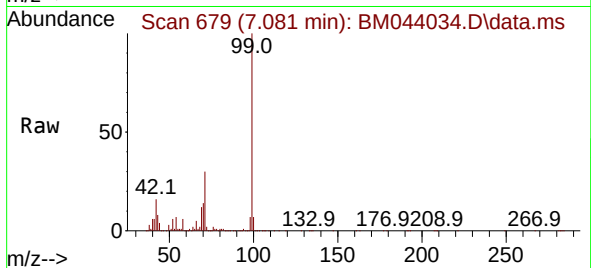




#7  
Phenol-d6  
Concen: 96.477 ng  
RT: 7.081 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

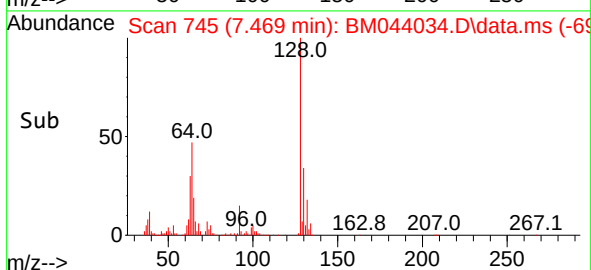
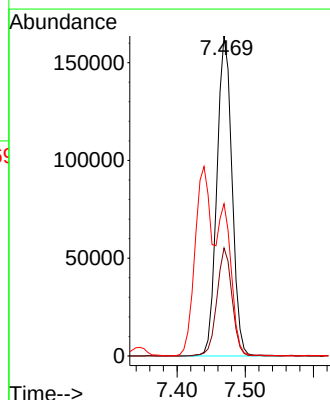
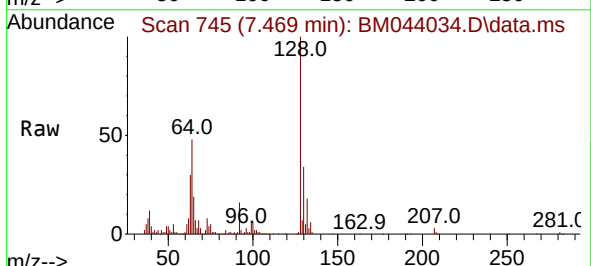
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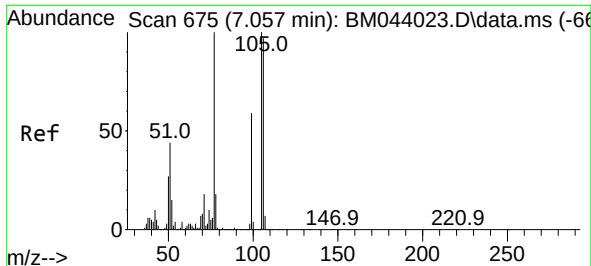
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42 16.2 12.9 19.3  
71 29.9 23.9 35.9



#8  
2-Chlorophenol  
Concen: 7.162 ng  
RT: 7.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 128 Resp: 252640  
Ion Ratio Lower Upper  
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130 33.7 12.1 52.1  
64 47.5 26.0 66.0

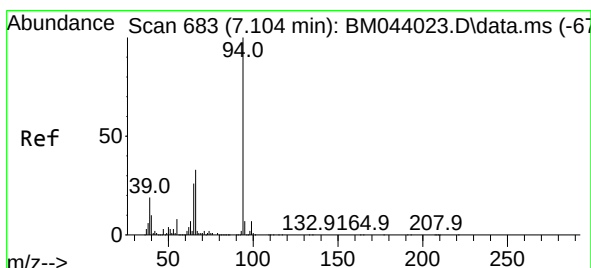
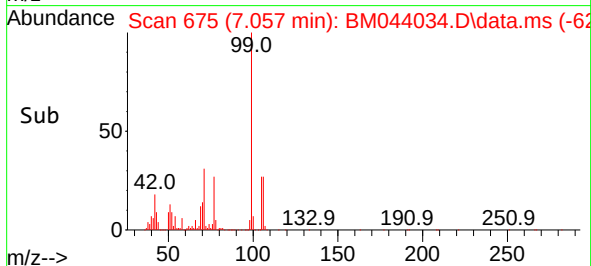
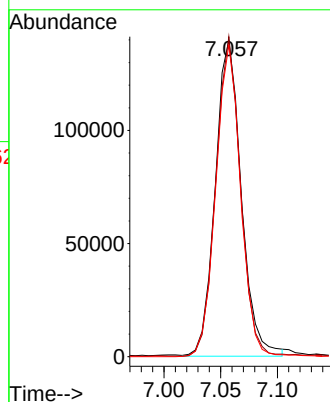
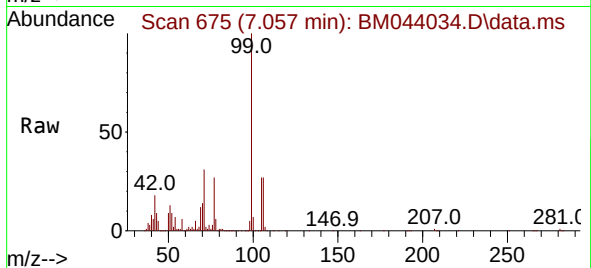




#9  
Benzaldehyde  
Concen: 10.096 ng m  
RT: 7.057 min Scan# 675  
Delta R.T. 0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

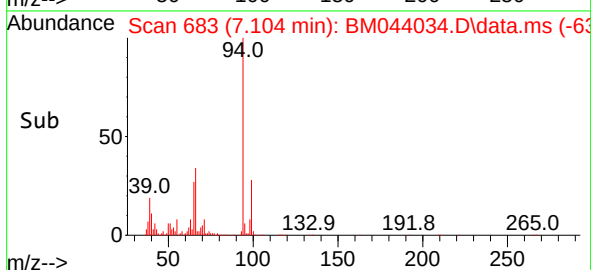
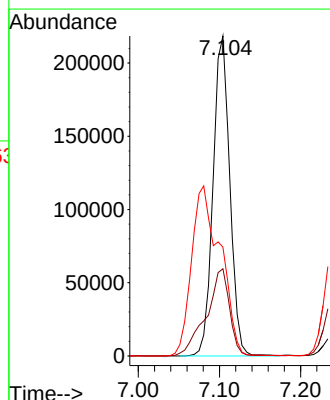
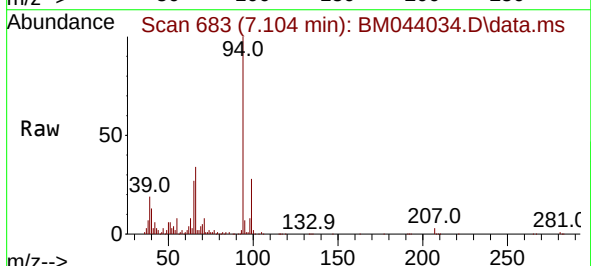
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 77 Resp: 222998  
Ion Ratio Lower Upper  
77 100  
105 101.1 80.0 120.0  
106 98.5 76.8 116.8

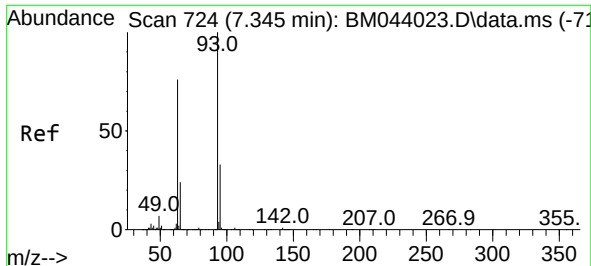


#10  
Phenol  
Concen: 7.232 ng  
RT: 7.104 min Scan# 683  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 94 Resp: 313722  
Ion Ratio Lower Upper  
94 100  
65 27.2 6.4 46.4  
66 34.0 13.2 53.2



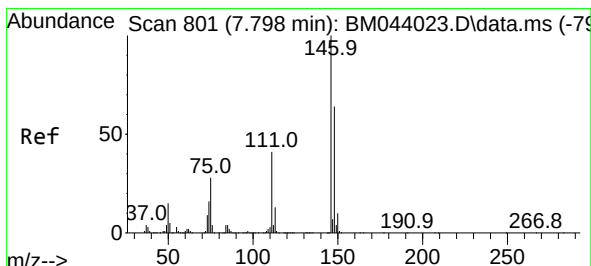
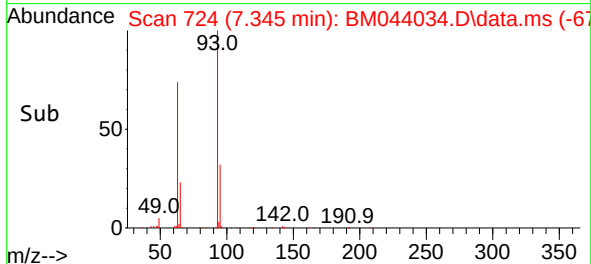
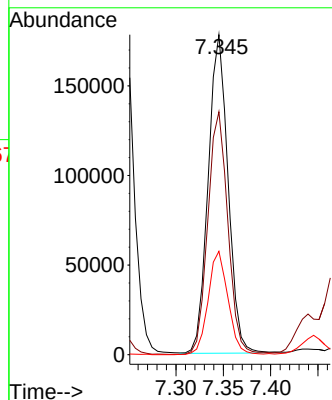
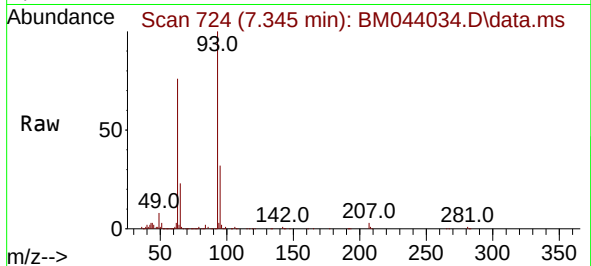




#11  
bis(2-Chloroethyl)ether  
Concen: 7.199 ng  
RT: 7.345 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

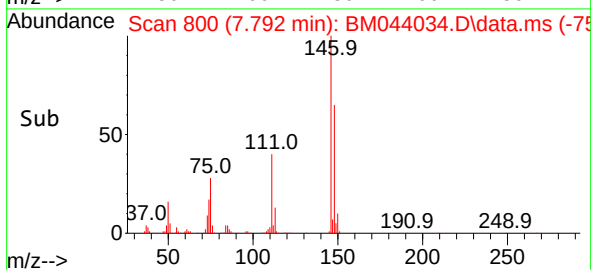
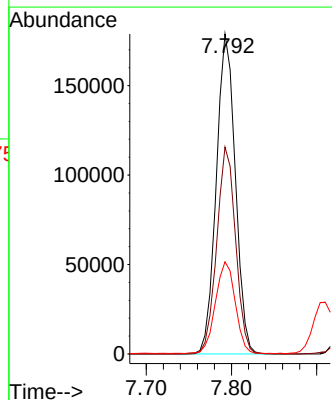
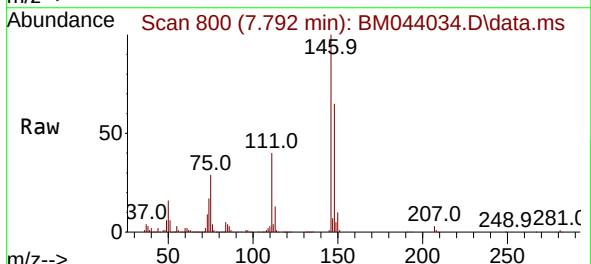
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

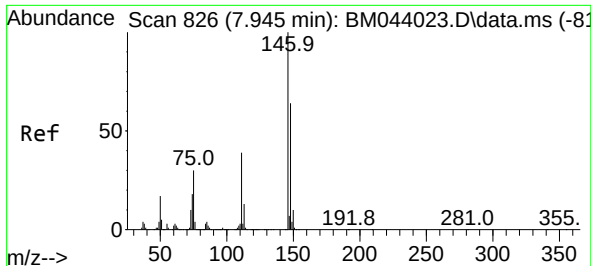
Tgt Ion: 93 Resp: 258603  
Ion Ratio Lower Upper  
93 100  
63 75.9 55.9 95.9  
95 32.3 13.0 53.0



#12  
1,3-Dichlorobenzene  
Concen: 6.926 ng  
RT: 7.792 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:146 Resp: 277384  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.3 76.9  
75 28.8 22.7 34.1

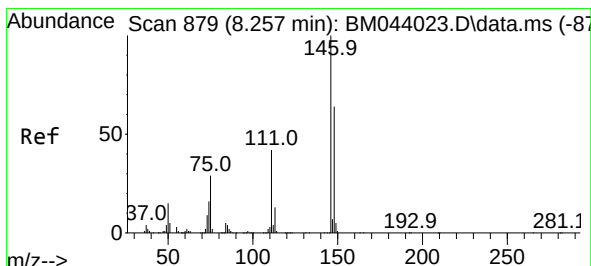
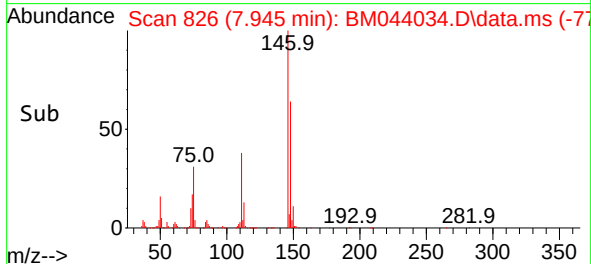
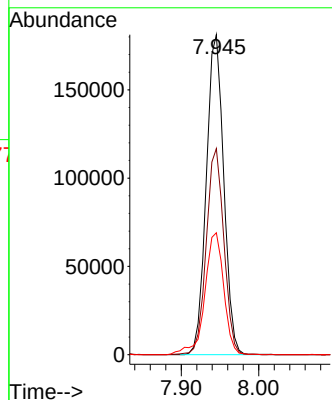
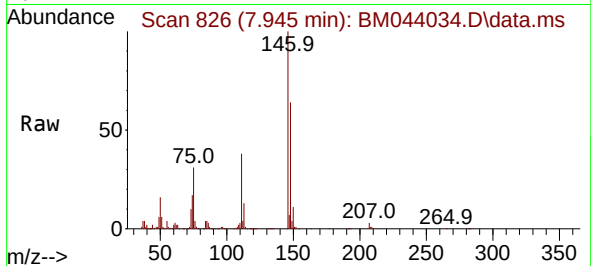




#13  
1,4-Dichlorobenzene  
Concen: 7.007 ng  
RT: 7.945 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

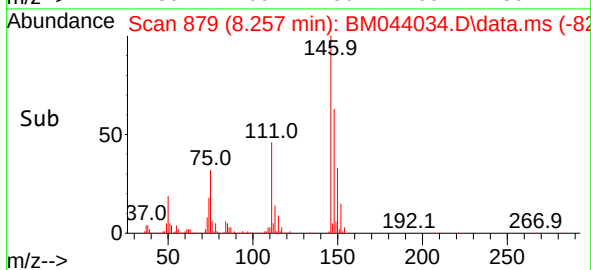
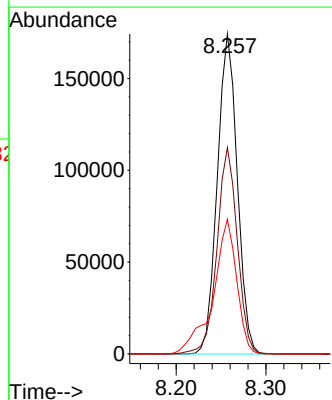
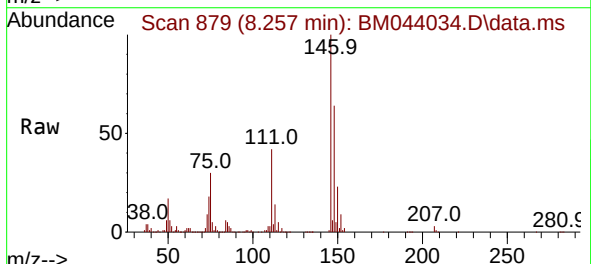
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

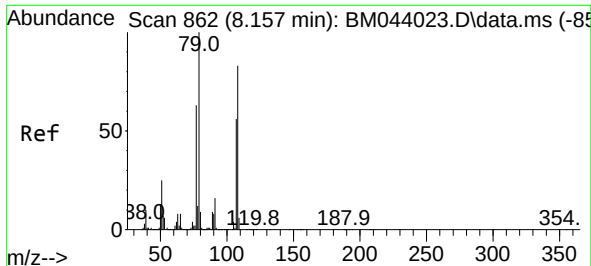
Tgt Ion:146 Resp: 282893  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.2 76.8  
111 38.1 31.2 46.8



#14  
1,2-Dichlorobenzene  
Concen: 7.007 ng  
RT: 8.257 min Scan# 879  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:146 Resp: 269551  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.4 77.2  
111 42.1 33.7 50.5

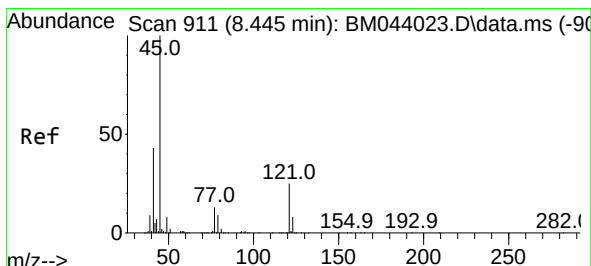
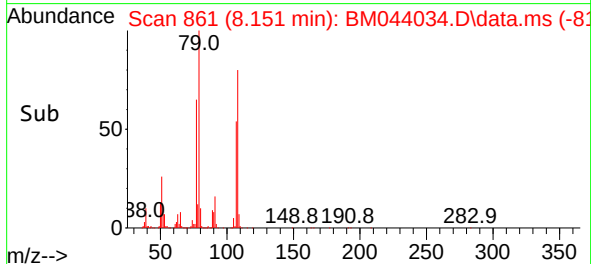
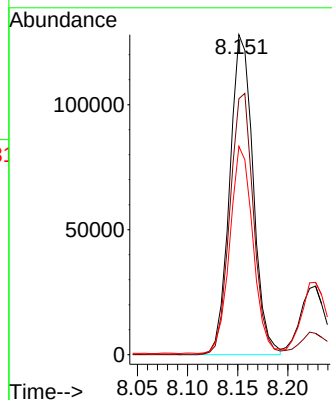
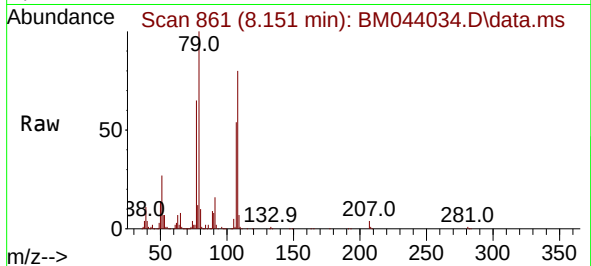




#15  
Benzyl Alcohol  
Concen: 7.422 ng  
RT: 8.151 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

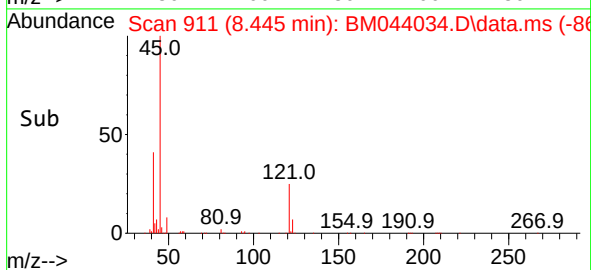
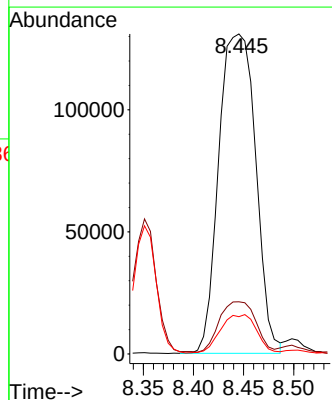
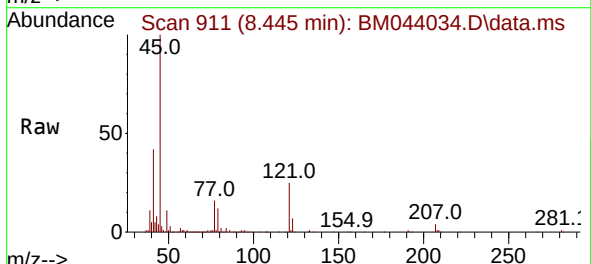
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

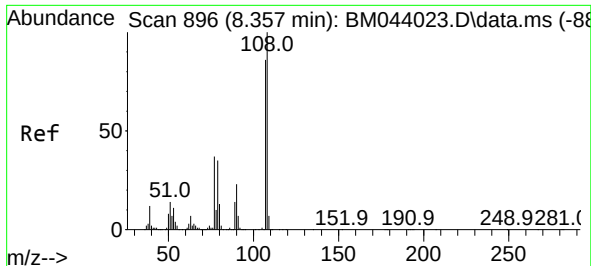
Tgt Ion: 79 Resp: 207694  
Ion Ratio Lower Upper  
79 100  
108 80.0 66.0 99.0  
77 65.1 50.4 75.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.349 ng  
RT: 8.445 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 45 Resp: 334638  
Ion Ratio Lower Upper  
45 100  
77 16.3 0.0 35.1  
79 11.6 0.0 31.5

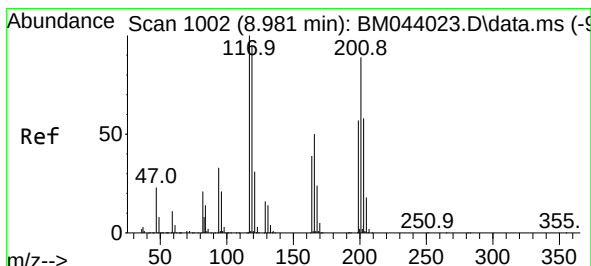
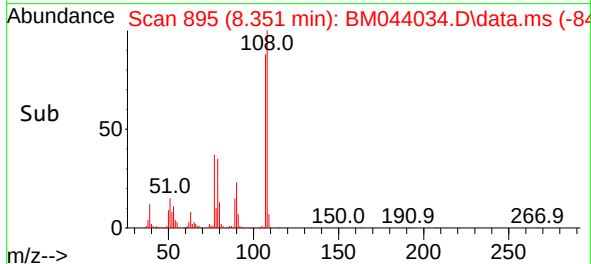
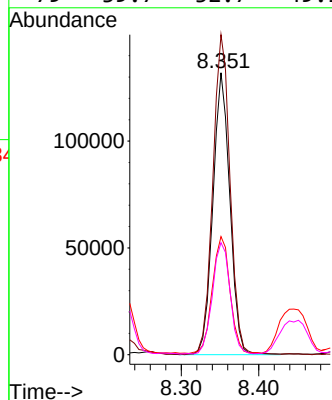
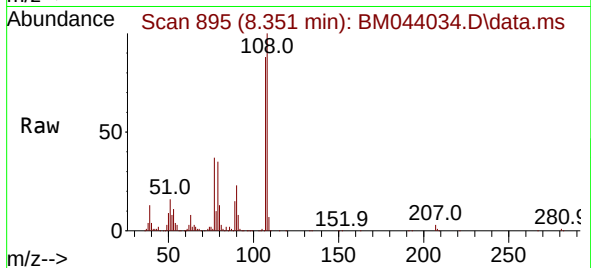




#17  
2-Methylphenol  
Concen: 7.037 ng  
RT: 8.351 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

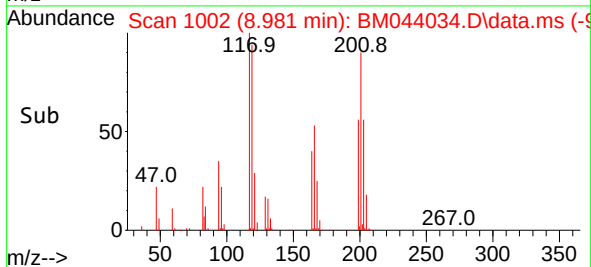
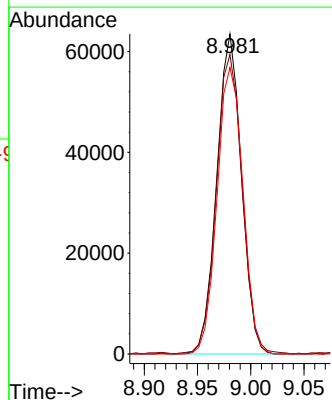
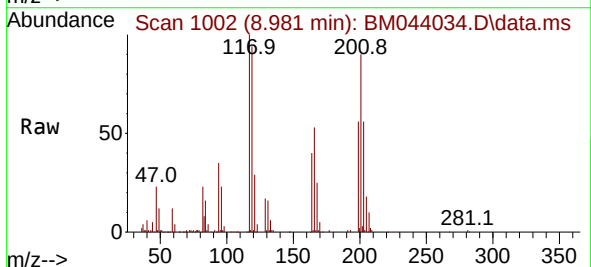
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

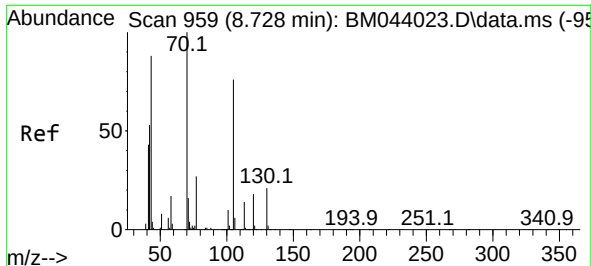
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 200378 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.5 | 93.4  | 140.2  |
| 77       | 41.9  | 34.7  | 52.1   |
| 79       | 39.7  | 32.7  | 49.1   |



#18  
Hexachloroethane  
Concen: 6.779 ng  
RT: 8.981 min Scan# 1002  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 102477 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.5  | 75.7  | 113.5  |
| 201      | 89.6  | 71.5  | 107.3  |

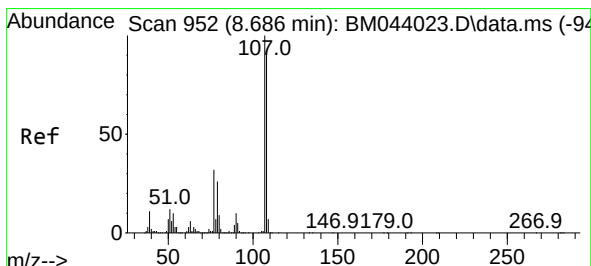
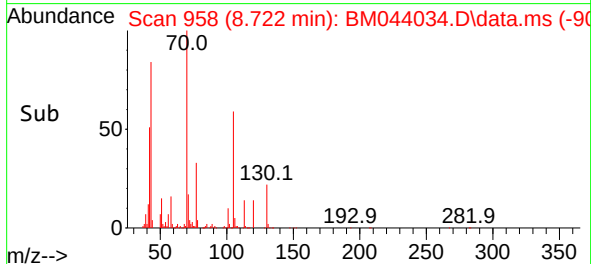
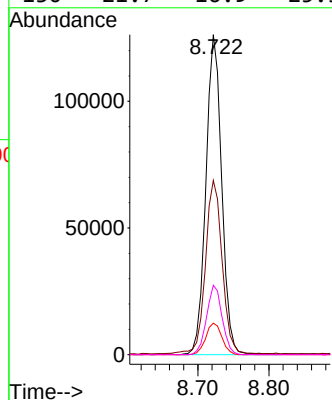
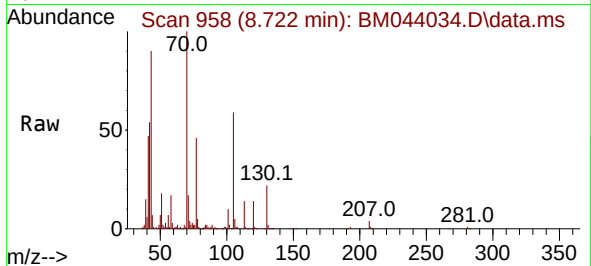




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.430 ng  
RT: 8.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

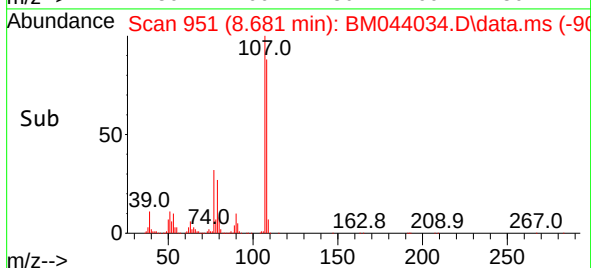
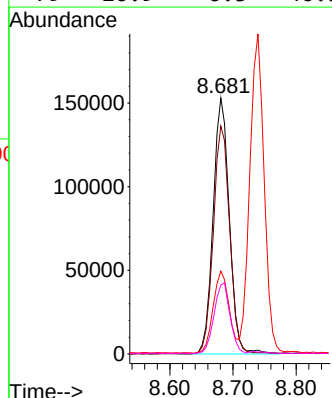
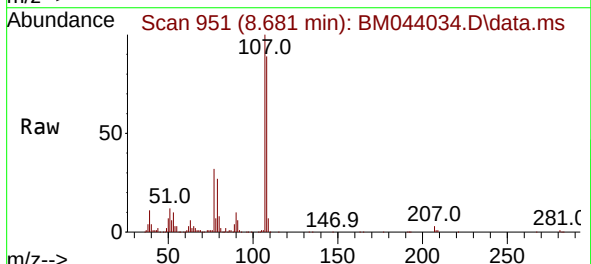
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

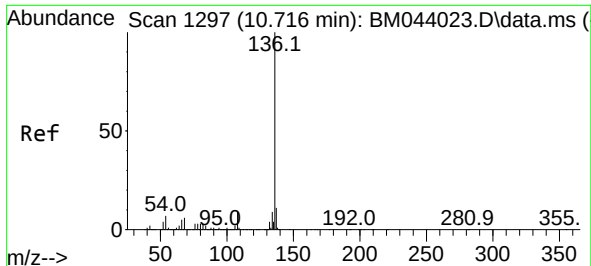
Tgt Ion: 70 Resp: 196089  
Ion Ratio Lower Upper  
70 100  
42 54.4 42.6 64.0  
101 9.9 7.8 11.6  
130 21.7 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 6.959 ng  
RT: 8.681 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 107 Resp: 272742  
Ion Ratio Lower Upper  
107 100  
108 89.0 71.5 111.5  
77 32.4 11.8 51.8  
79 26.9 6.3 46.3

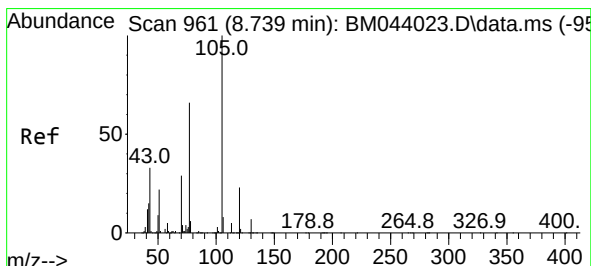
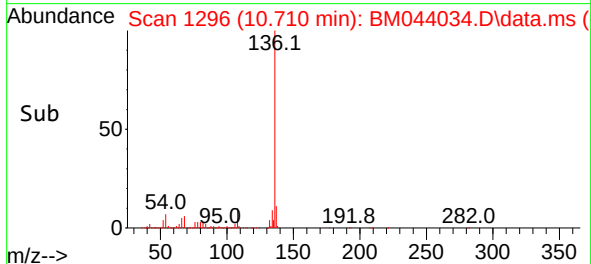
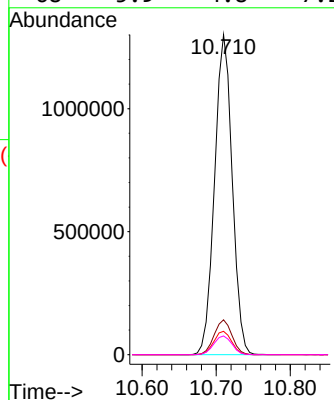
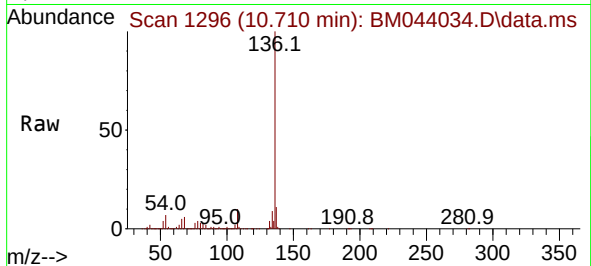




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.710 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

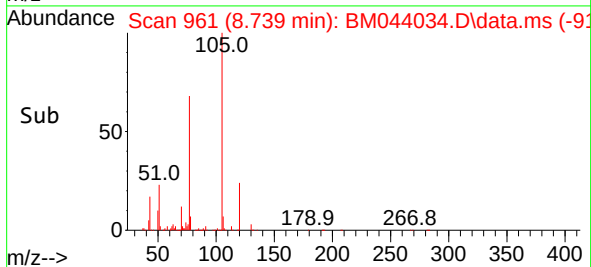
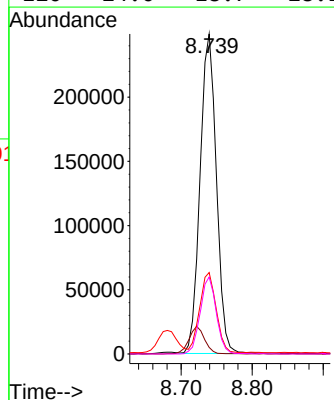
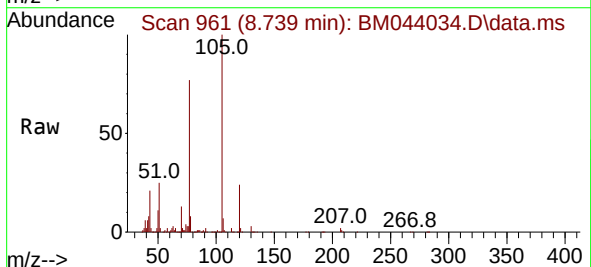
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

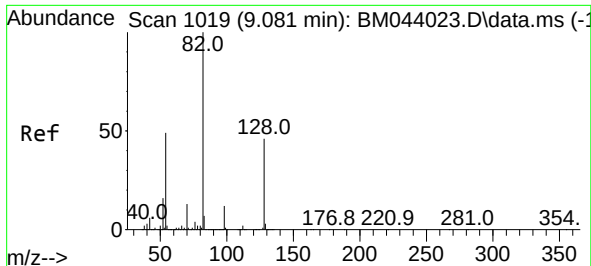
Tgt Ion:136 Resp: 2149777  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.3 5.9 8.9  
68 5.9 4.8 7.2



#22  
Acetophenone  
Concen: 7.302 ng  
RT: 8.739 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:105 Resp: 398452  
Ion Ratio Lower Upper  
105 100  
71 2.1 4.0 6.0#  
51 25.4 20.1 30.1  
120 24.0 18.7 28.1

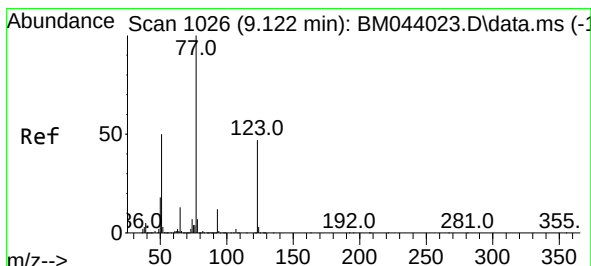
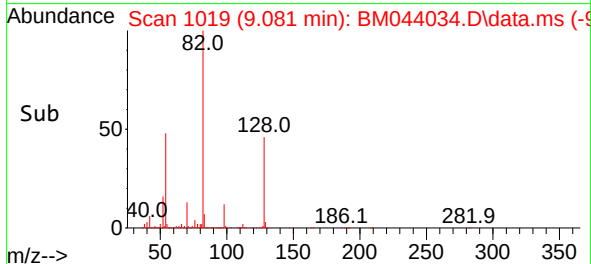
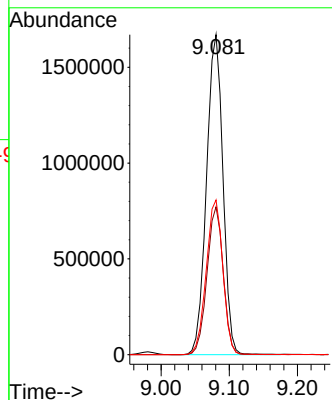
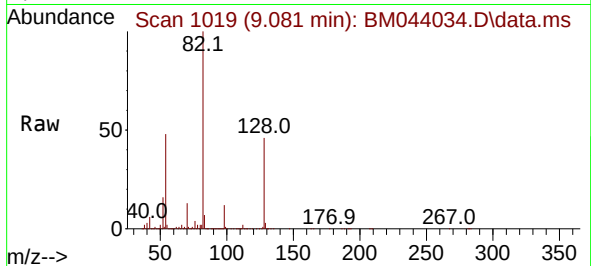




#23  
Nitrobenzene-d5  
Concen: 69.148 ng  
RT: 9.081 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

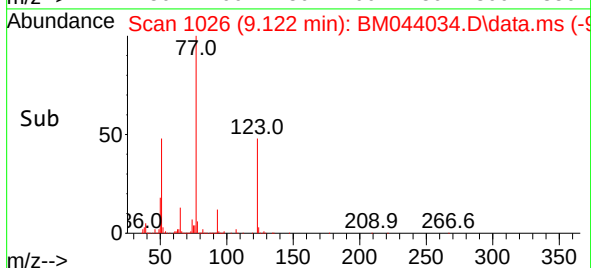
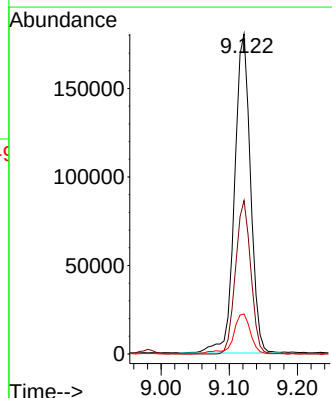
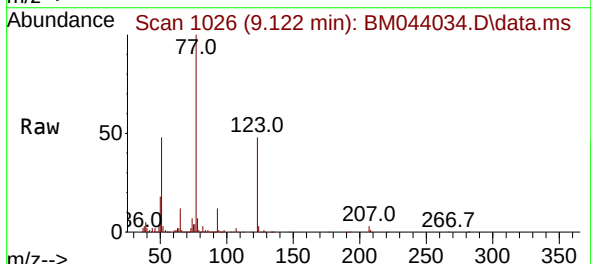
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

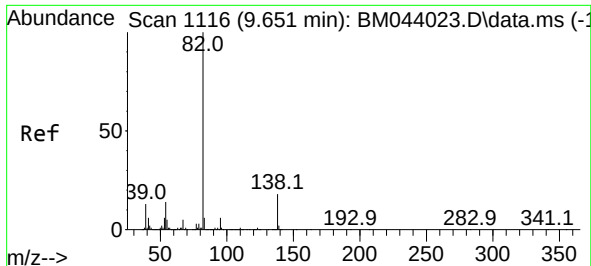
Tgt Ion: 82 Resp: 2801421  
Ion Ratio Lower Upper  
82 100  
128 46.2 37.1 55.7  
54 48.3 38.9 58.3



#24  
Nitrobenzene  
Concen: 7.087 ng  
RT: 9.122 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 77 Resp: 294026  
Ion Ratio Lower Upper  
77 100  
123 47.9 37.8 56.8  
65 12.5 10.5 15.7

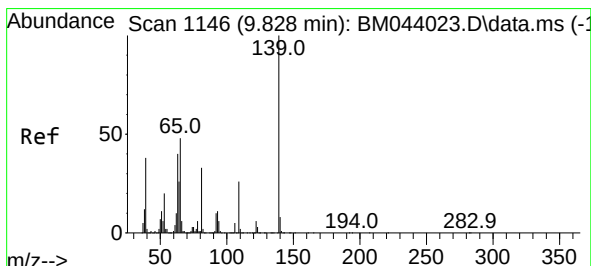
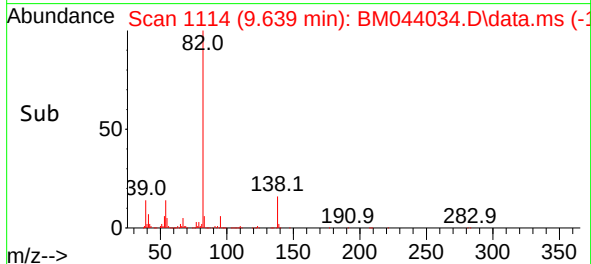
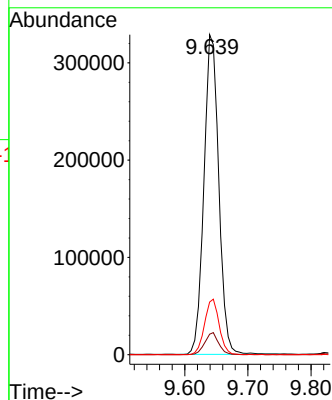
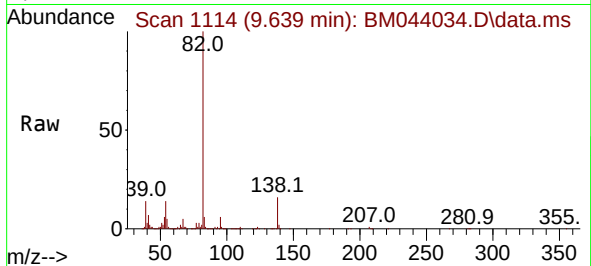




#25  
Isophorone  
Concen: 6.896 ng  
RT: 9.639 min Scan# 1114  
Delta R.T. -0.012 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

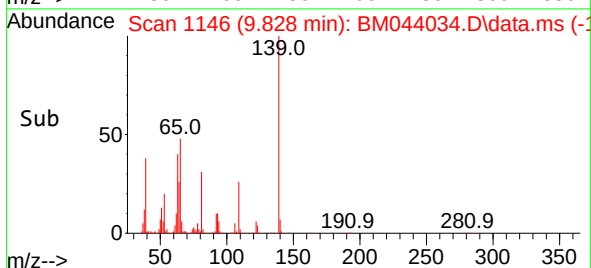
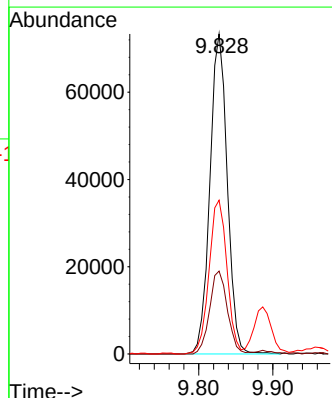
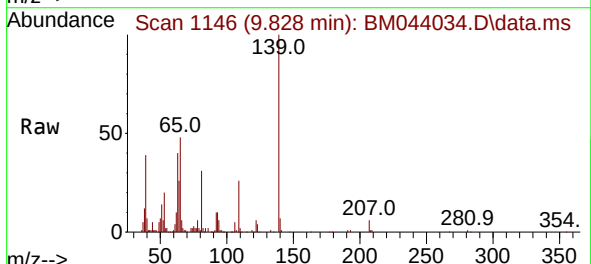
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 82 Resp: 537992  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.2 7.8  
138 16.4 14.3 21.5

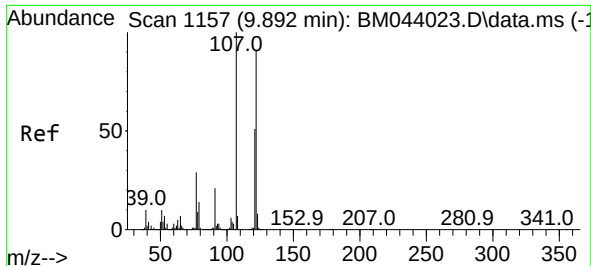


#26  
2-Nitrophenol  
Concen: 6.215 ng  
RT: 9.828 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:139 Resp: 119537  
Ion Ratio Lower Upper  
139 100  
109 25.9 21.2 31.8  
65 48.1 38.5 57.7



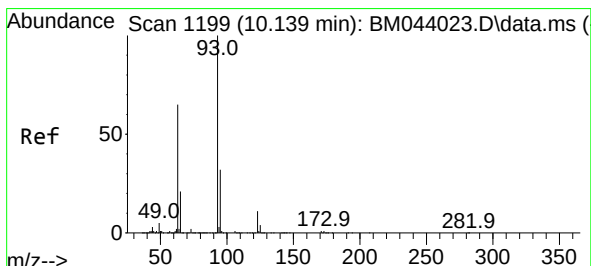
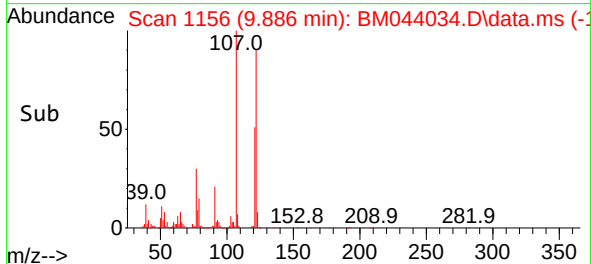
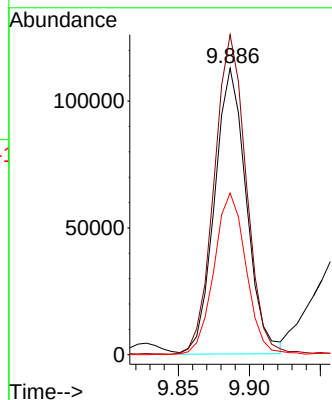
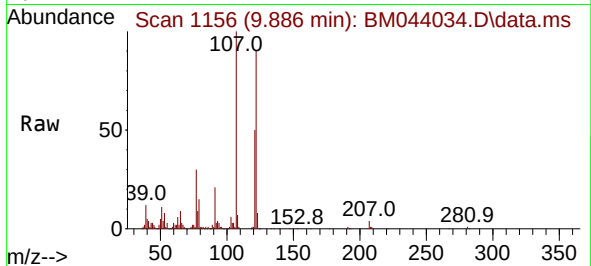




#27  
2,4-Dimethylphenol  
Concen: 7.144 ng  
RT: 9.886 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

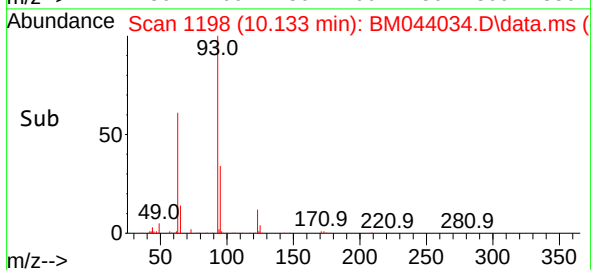
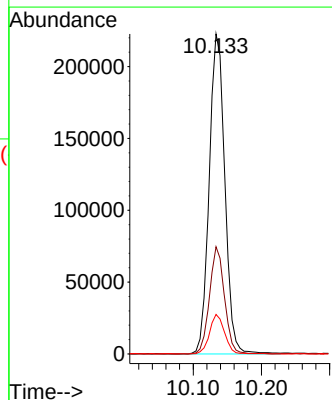
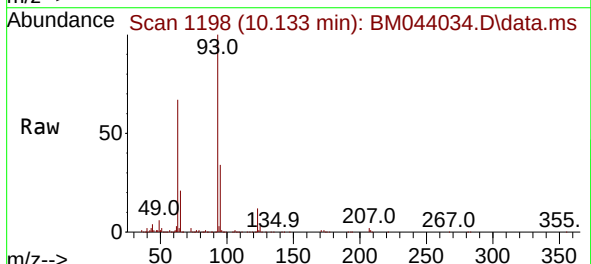
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

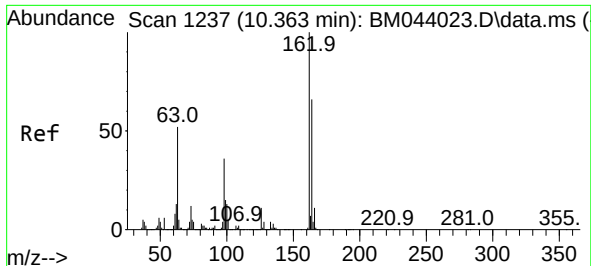
Tgt Ion:122 Resp: 175714  
Ion Ratio Lower Upper  
122 100  
107 111.7 87.8 131.8  
121 56.4 44.7 67.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 7.059 ng  
RT: 10.133 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 93 Resp: 356149  
Ion Ratio Lower Upper  
93 100  
95 33.5 26.0 39.0  
123 12.4 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 6.540 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

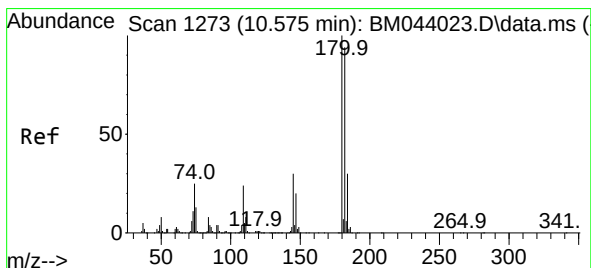
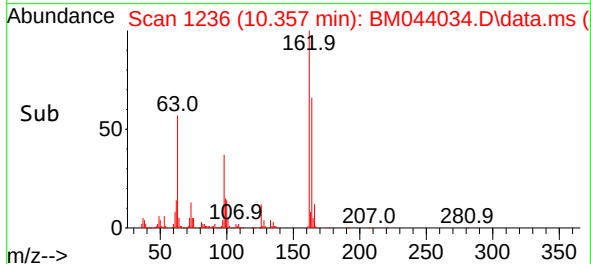
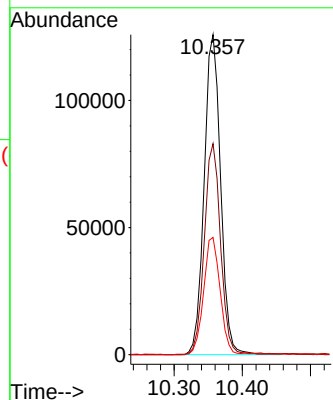
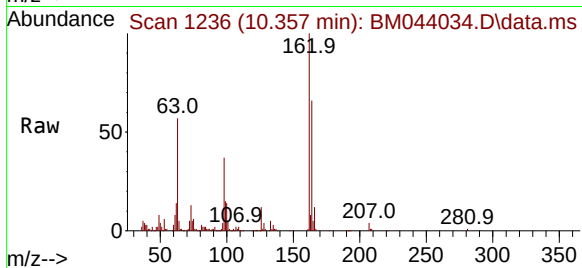
Tgt Ion:162 Resp: 211783

Ion Ratio Lower Upper

162 100

164 65.9 46.1 86.1

98 36.7 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 6.658 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

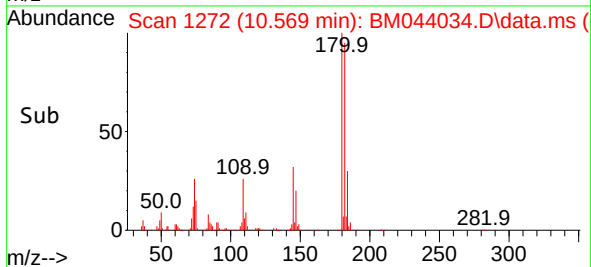
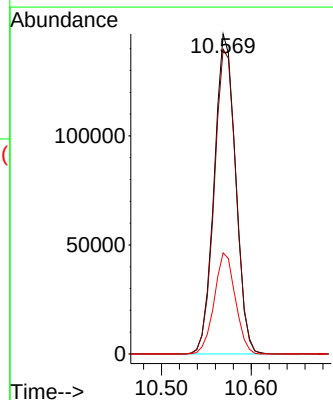
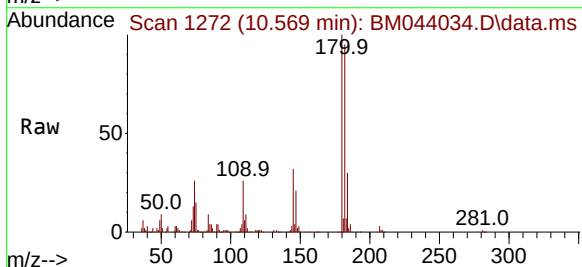
Tgt Ion:180 Resp: 242438

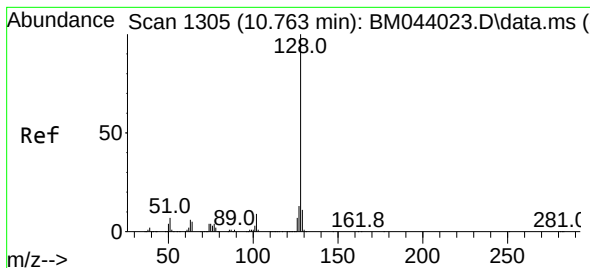
Ion Ratio Lower Upper

180 100

182 95.2 75.2 112.8

145 31.6 24.3 36.5

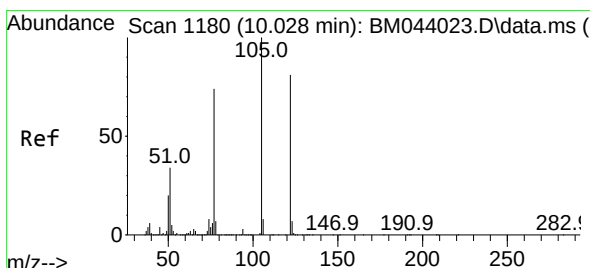
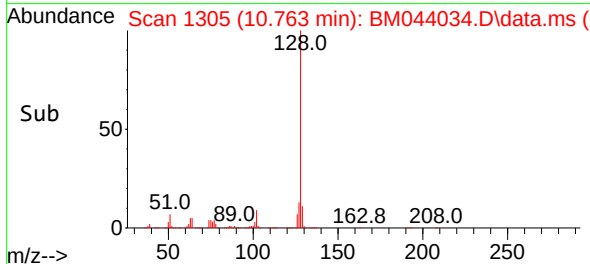
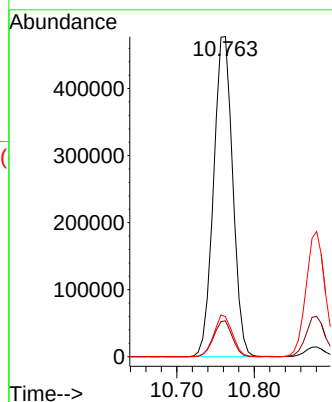
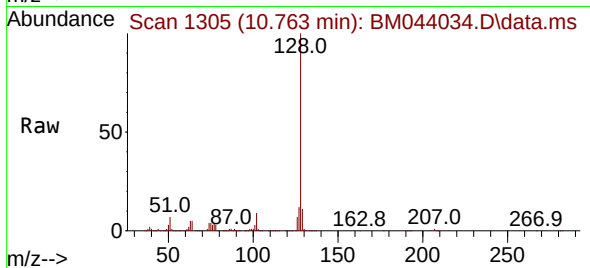




#31  
Naphthalene  
Concen: 6.915 ng  
RT: 10.763 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

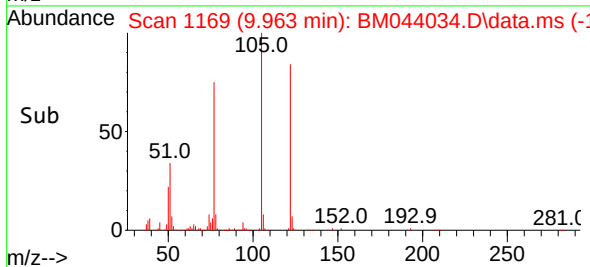
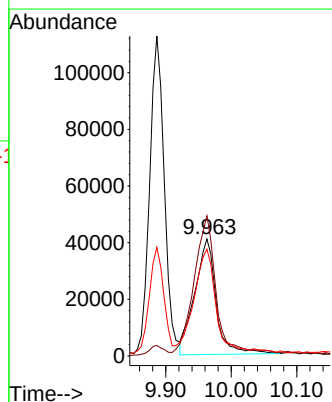
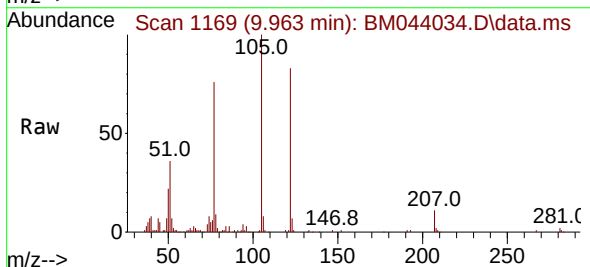
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

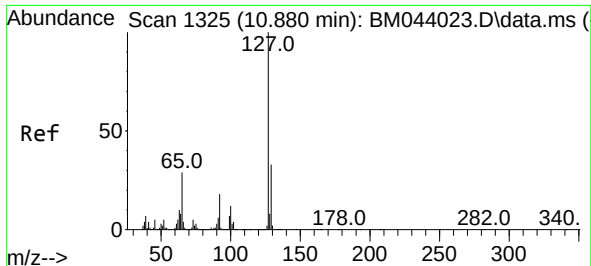
Tgt Ion:128 Resp: 820470  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.4  
127 12.5 10.3 15.5



#32  
Benzoic acid  
Concen: 3.755 ng  
RT: 9.963 min Scan# 1169  
Delta R.T. -0.065 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:122 Resp: 93025  
Ion Ratio Lower Upper  
122 100  
105 119.9 100.1 140.1  
77 91.2 69.6 109.6

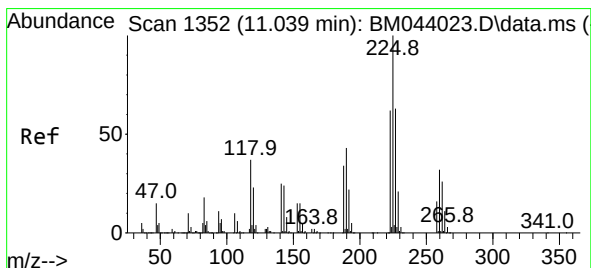
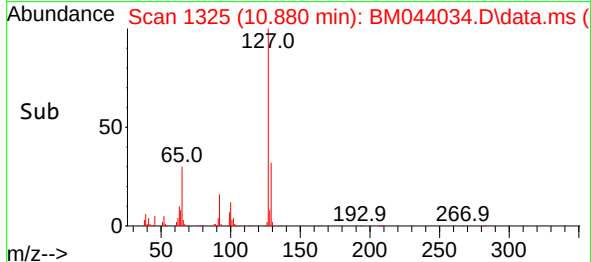
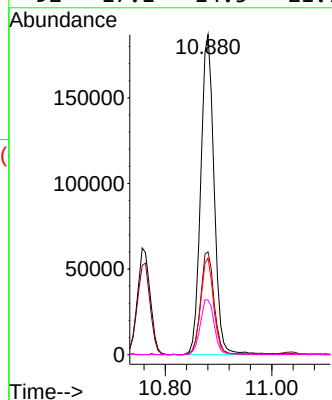
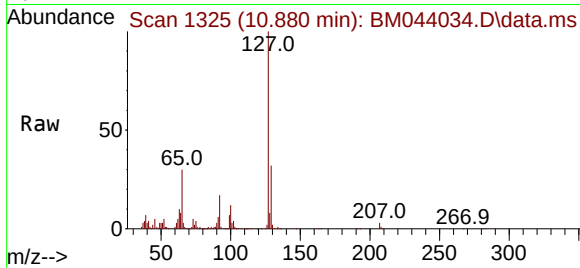




#33  
4-Chloroaniline  
Concen: 7.250 ng  
RT: 10.880 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

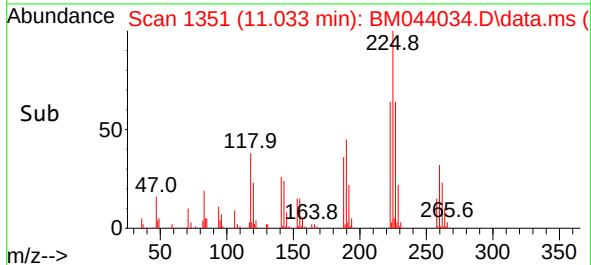
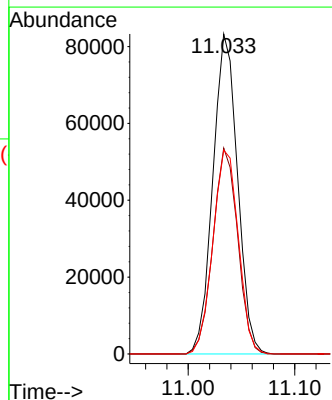
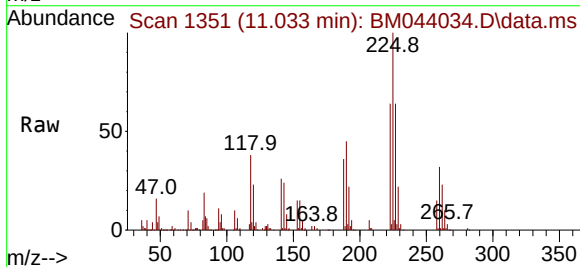
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

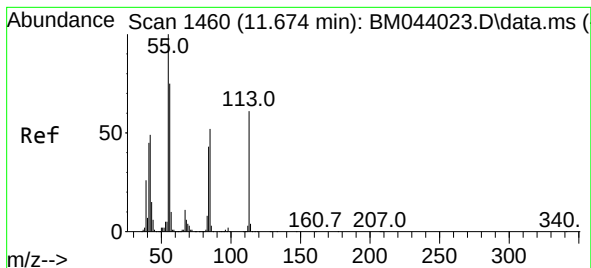
| Tgt Ion: | 127   | Resp: | 325729 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.0  | 39.0   |
| 65       | 30.1  | 23.0  | 34.6   |
| 92       | 17.1  | 14.5  | 21.7   |



#34  
Hexachlorobutadiene  
Concen: 6.406 ng  
RT: 11.033 min Scan# 1351  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

| Tgt Ion: | 225   | Resp: | 133509 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.4  | 49.9  | 74.9   |
| 227      | 63.7  | 50.6  | 76.0   |

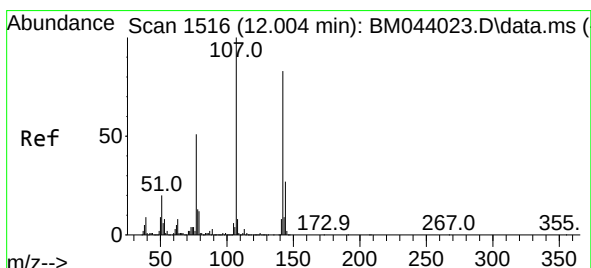
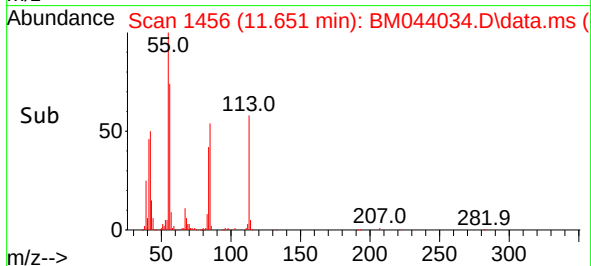
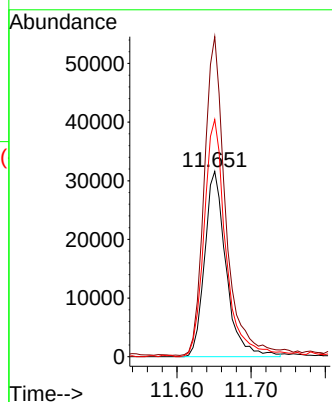
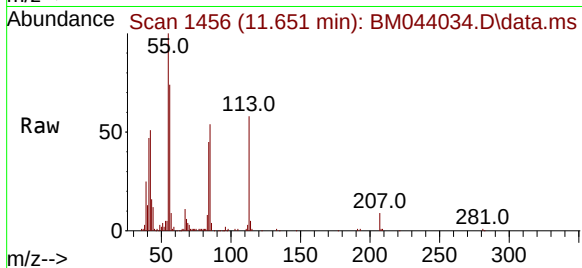




#35  
Caprolactam  
Concen: 6.084 ng  
RT: 11.651 min Scan# 1460  
Delta R.T. -0.024 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

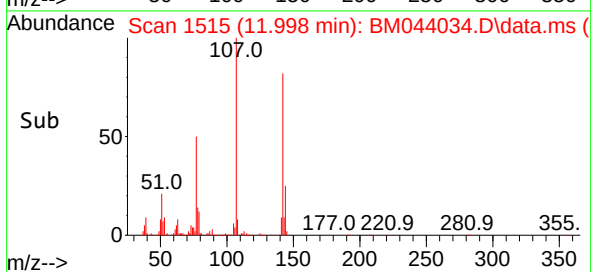
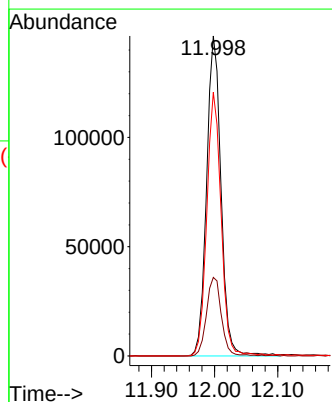
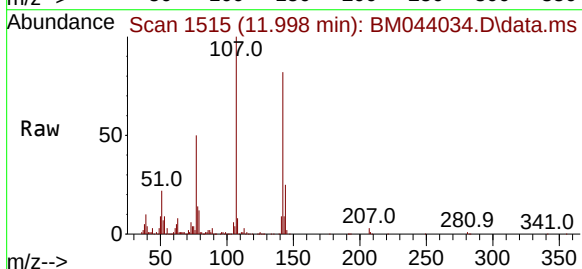
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

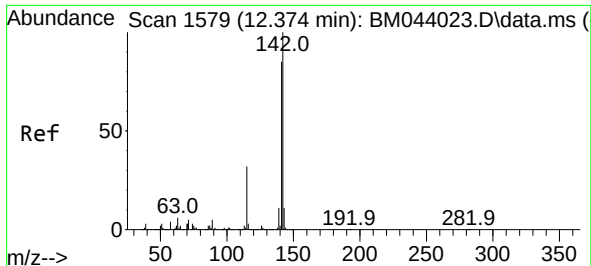
Tgt Ion:113 Resp: 63399  
Ion Ratio Lower Upper  
113 100  
55 172.7 145.6 185.6  
56 128.0 103.3 143.3



#36  
4-Chloro-3-methylphenol  
Concen: 6.636 ng  
RT: 11.998 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:107 Resp: 232670  
Ion Ratio Lower Upper  
107 100  
144 24.6 21.3 31.9  
142 82.4 66.2 99.4





#37

2-Methylnaphthalene

Concen: 6.819 ng

RT: 12.374 min Scan# 1579

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

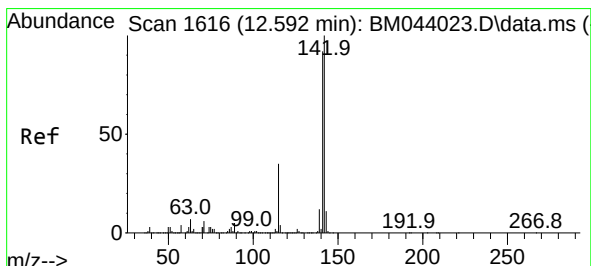
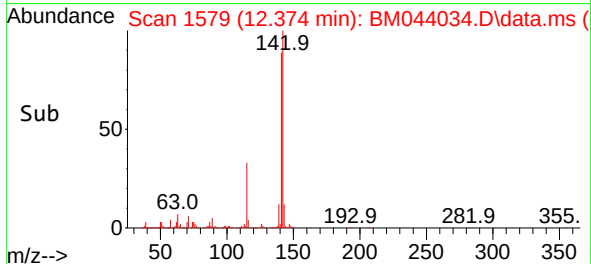
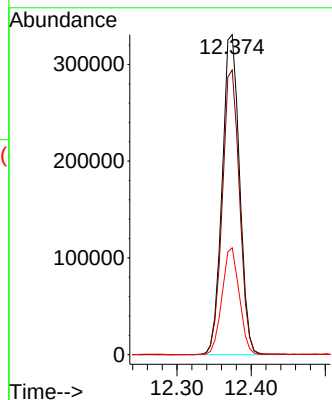
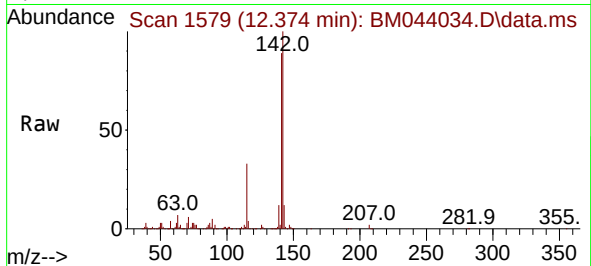
Tgt Ion:142 Resp: 538906

Ion Ratio Lower Upper

142 100

141 89.0 68.3 102.5

115 33.4 25.7 38.5



#38

1-Methylnaphthalene

Concen: 6.818 ng

RT: 12.592 min Scan# 1616

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

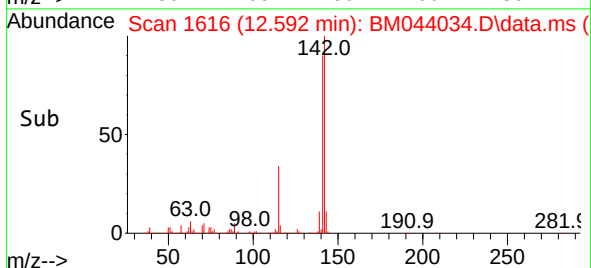
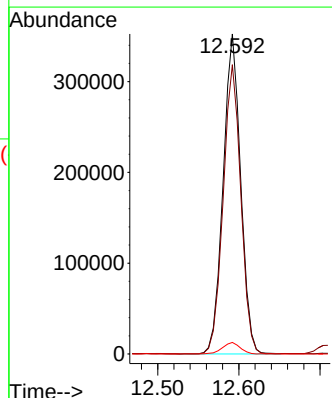
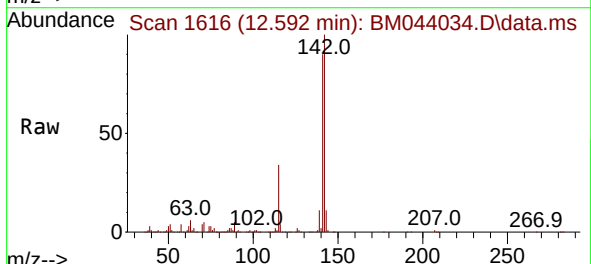
Tgt Ion:142 Resp: 529524

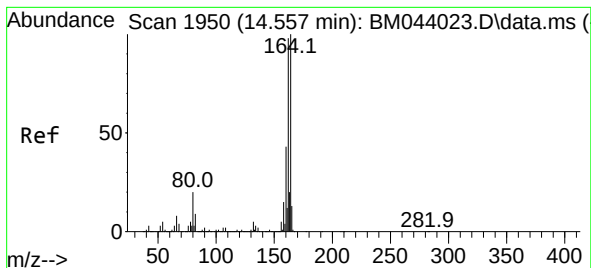
Ion Ratio Lower Upper

142 100

141 90.4 73.4 110.0

116 3.6 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

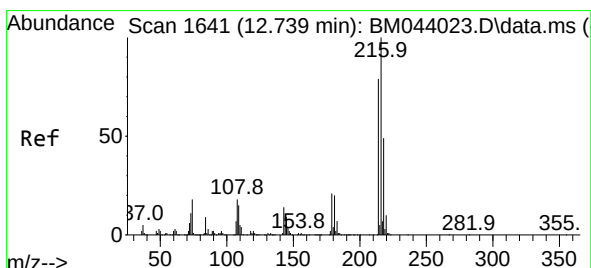
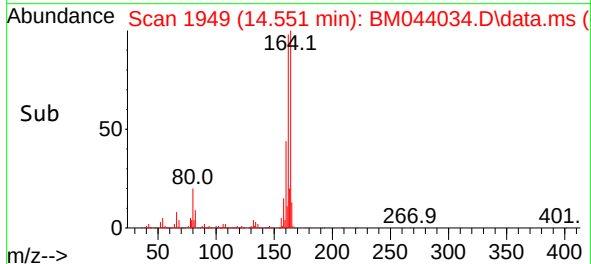
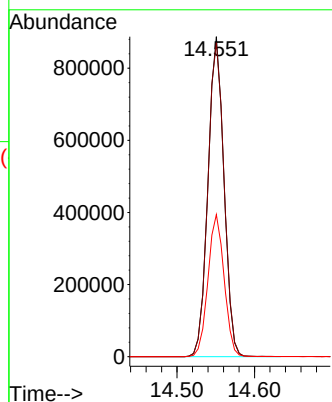
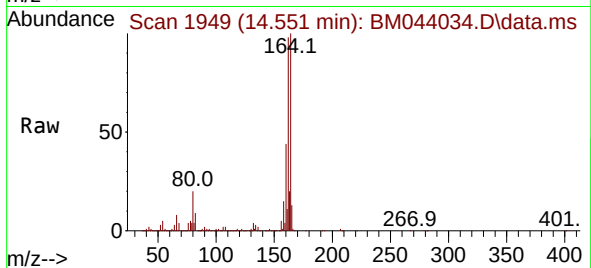
Tgt Ion:164 Resp: 1268335

Ion Ratio Lower Upper

164 100

162 98.1 78.4 117.6

160 44.4 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.976 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Tgt Ion:216 Resp: 257175

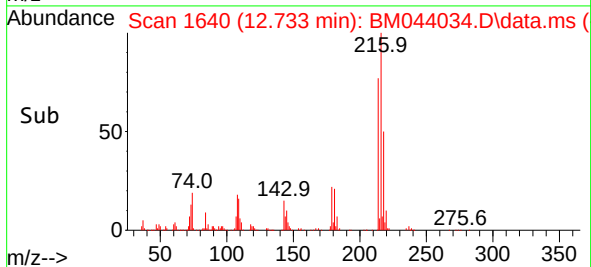
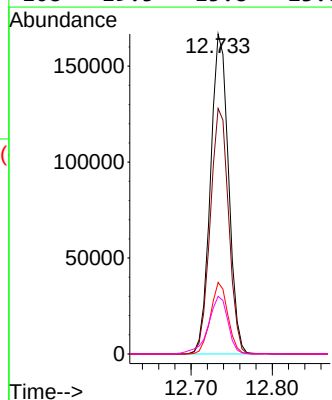
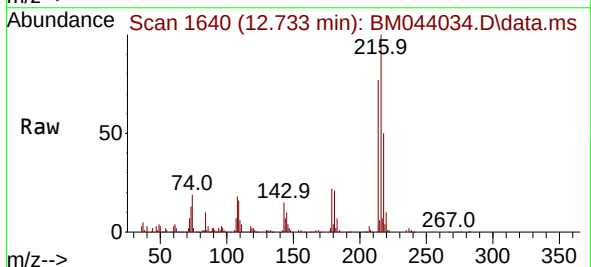
Ion Ratio Lower Upper

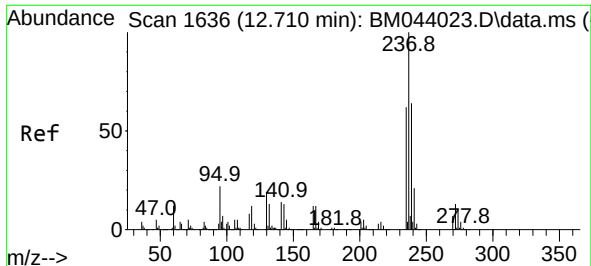
216 100

214 77.9 63.1 94.7

179 21.5 17.0 25.6

108 19.5 15.8 23.8

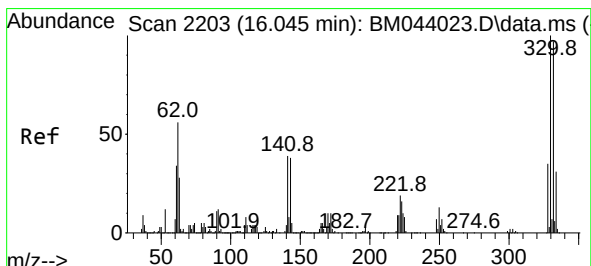
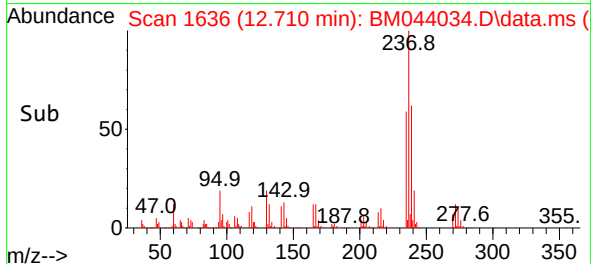
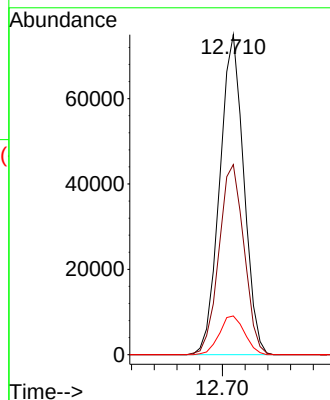
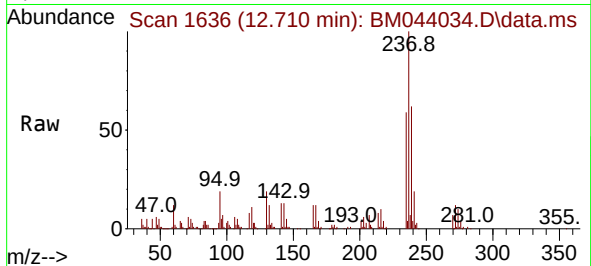




#41  
Hexachlorocyclopentadiene  
Concen: 6.854 ng  
RT: 12.710 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

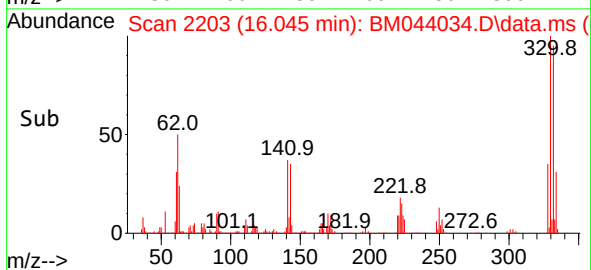
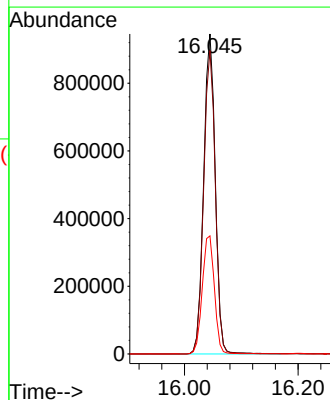
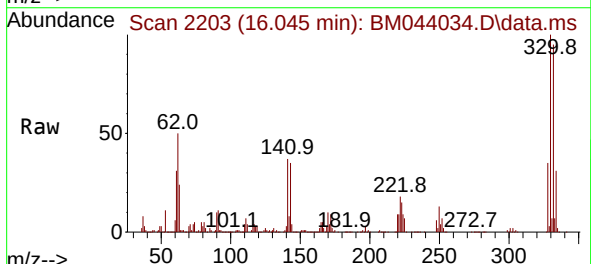
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:237 Resp: 110272  
Ion Ratio Lower Upper  
237 100  
235 59.4 42.4 82.4  
272 12.1 0.0 33.3

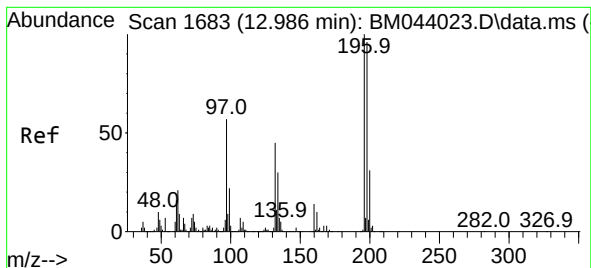


#42  
2,4,6-Tribromophenol  
Concen: 97.370 ng  
RT: 16.045 min Scan# 2203  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:330 Resp: 1337148  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.7 116.5  
141 38.7 31.0 46.4







#43

2,4,6-Trichlorophenol

Concen: 6.324 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

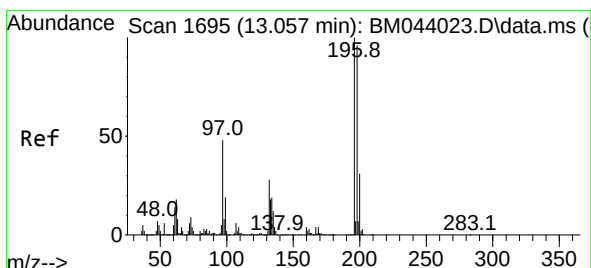
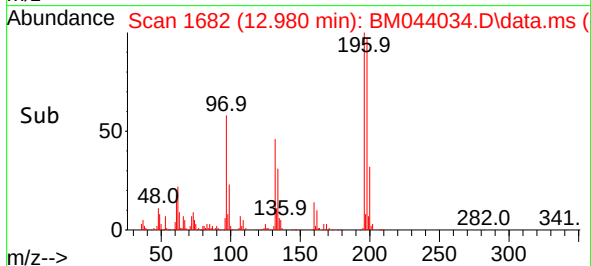
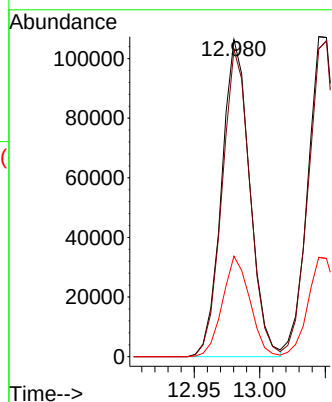
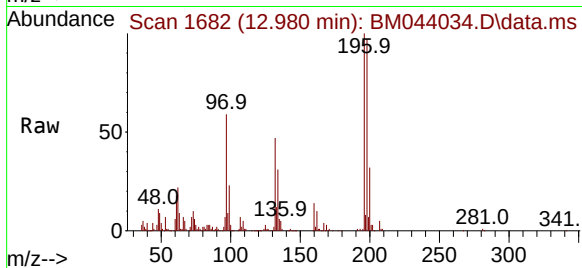
Tgt Ion:196 Resp: 158675

Ion Ratio Lower Upper

196 100

198 96.9 76.8 115.2

200 31.7 24.6 37.0



#44

2,4,5-Trichlorophenol

Concen: 6.327 ng

RT: 13.045 min Scan# 1693

Delta R.T. -0.012 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Tgt Ion:196 Resp: 174193

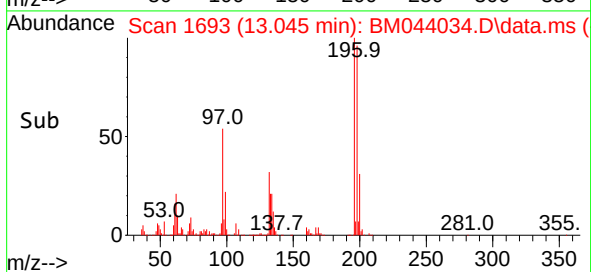
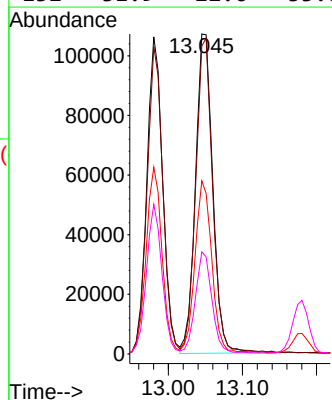
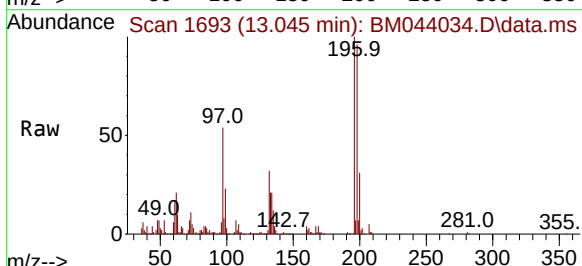
Ion Ratio Lower Upper

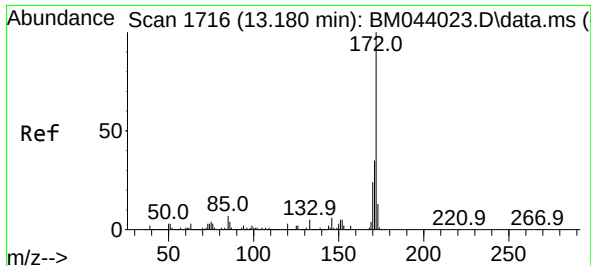
196 100

198 96.2 76.9 115.3

97 54.1 39.0 58.4

132 31.9 22.6 33.8

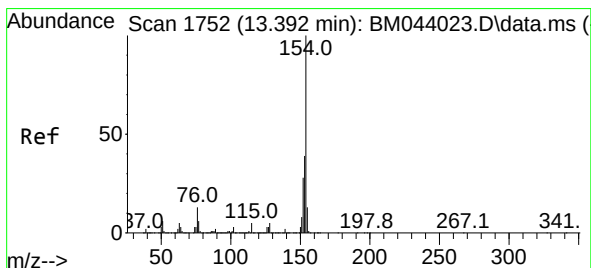
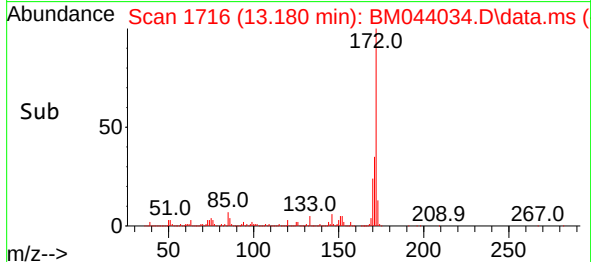
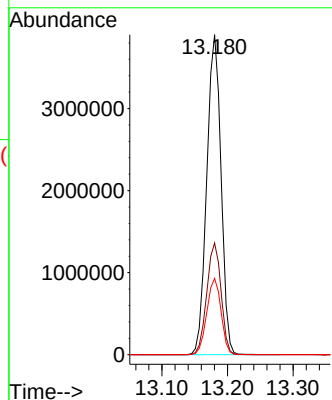
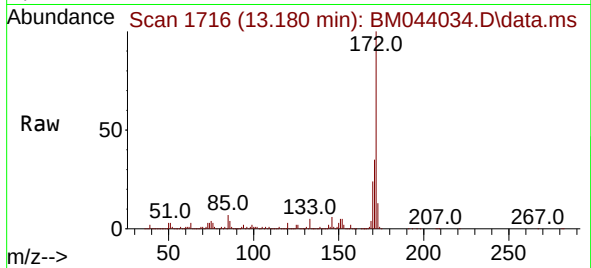




#45  
2-Fluorobiphenyl  
Concen: 65.725 ng  
RT: 13.180 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

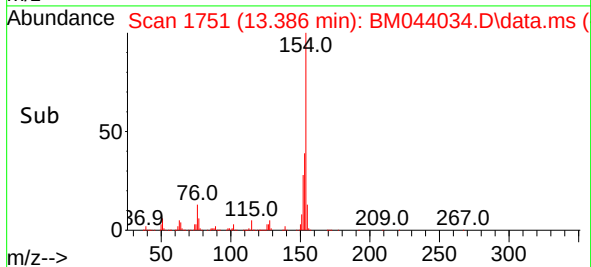
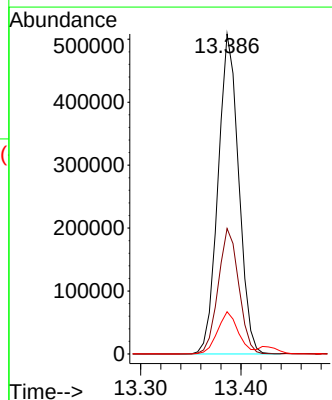
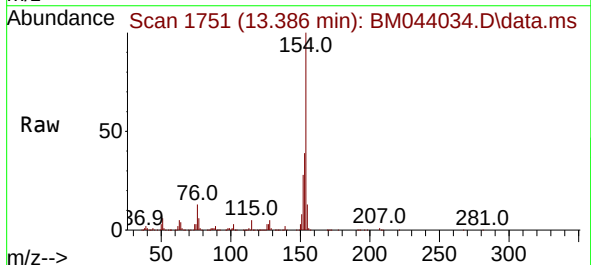
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

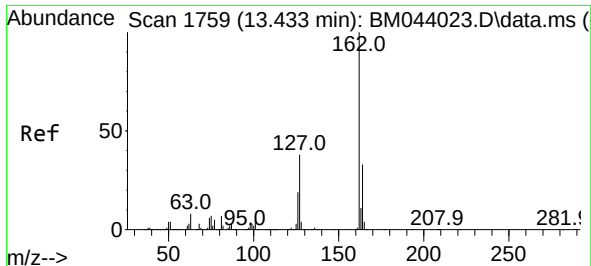
Tgt Ion:172 Resp: 5906594  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.9 41.9  
170 23.8 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 7.232 ng  
RT: 13.386 min Scan# 1751  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:154 Resp: 723746  
Ion Ratio Lower Upper  
154 100  
153 39.2 19.4 59.4  
76 13.2 0.0 32.9

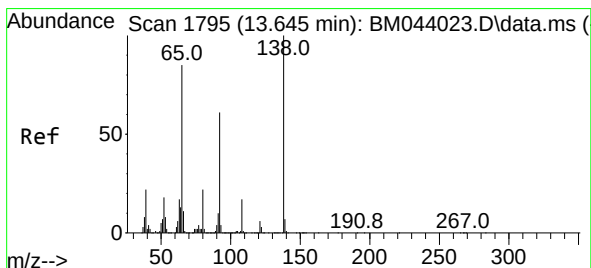
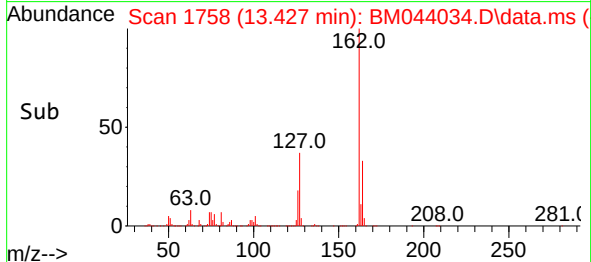
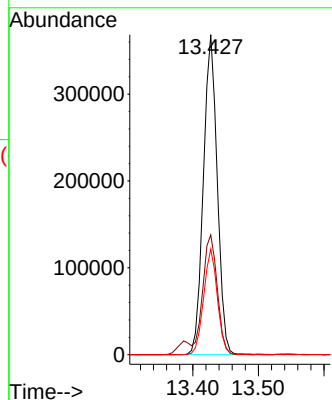
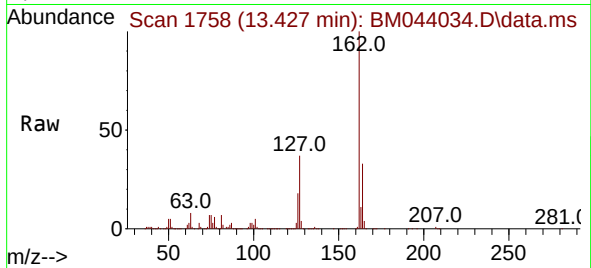




#47  
2-Chloronaphthalene  
Concen: 6.849 ng  
RT: 13.427 min Scan# 1758  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

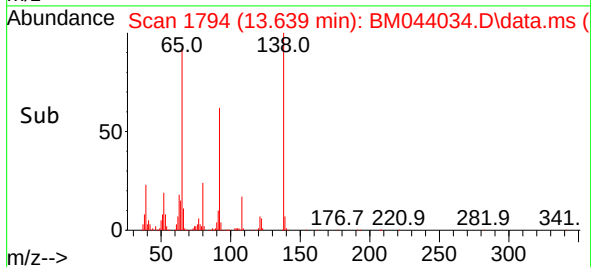
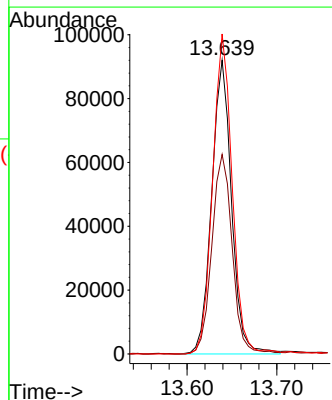
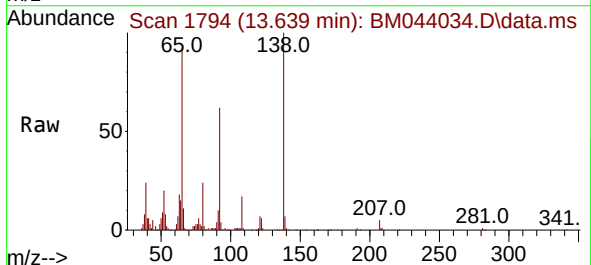
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

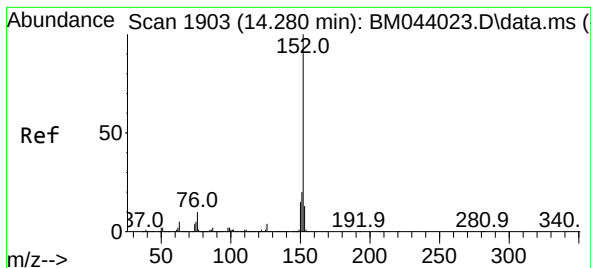
Tgt Ion:162 Resp: 542969  
Ion Ratio Lower Upper  
162 100  
127 37.5 30.9 46.3  
164 33.0 26.4 39.6



#48  
2-Nitroaniline  
Concen: 6.345 ng  
RT: 13.639 min Scan# 1794  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion: 65 Resp: 141507  
Ion Ratio Lower Upper  
65 100  
92 67.9 58.1 87.1  
138 108.9 94.6 142.0





#49

Acenaphthylene

Concen: 7.424 ng

RT: 14.274 min Scan# 1903

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

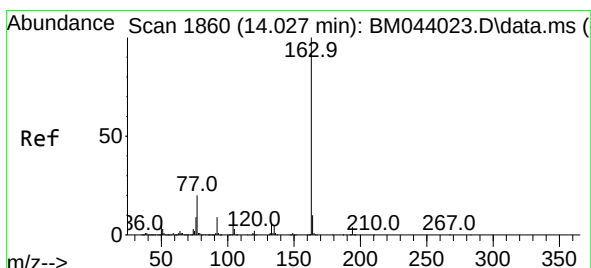
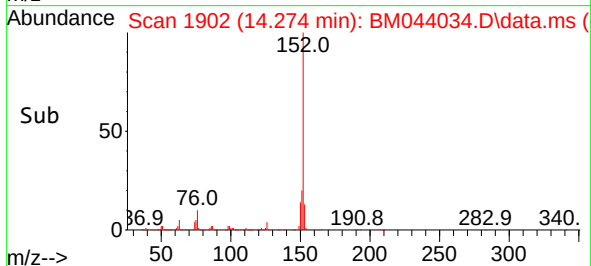
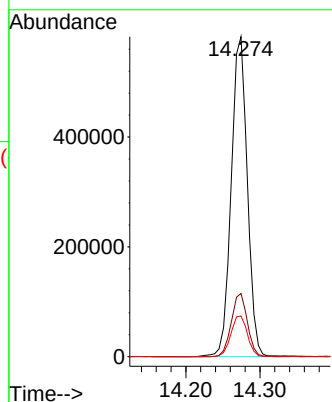
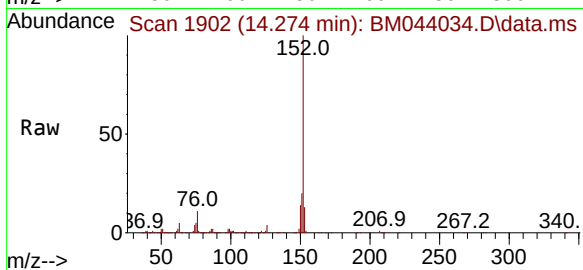
Tgt Ion:152 Resp: 878109

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.6

153 12.7 10.5 15.7



#50

Dimethylphthalate

Concen: 7.016 ng

RT: 14.021 min Scan# 1859

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

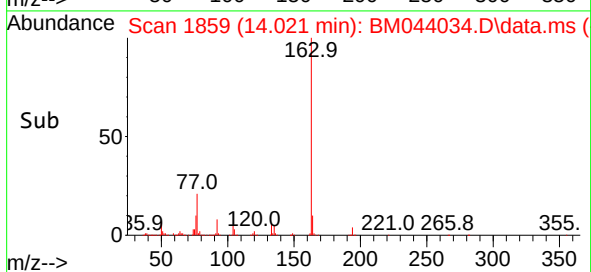
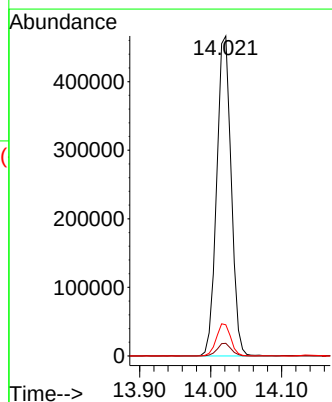
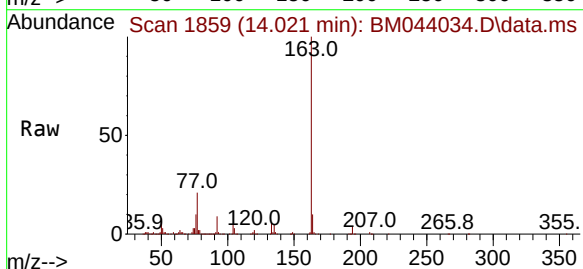
Tgt Ion:163 Resp: 659778

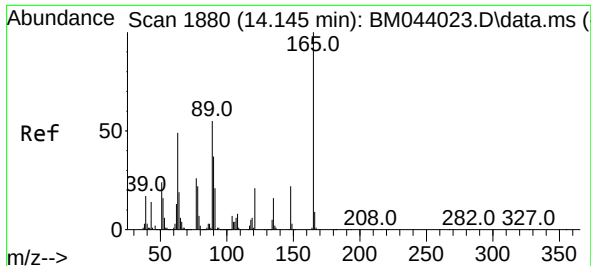
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 6.325 ng

RT: 14.139 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

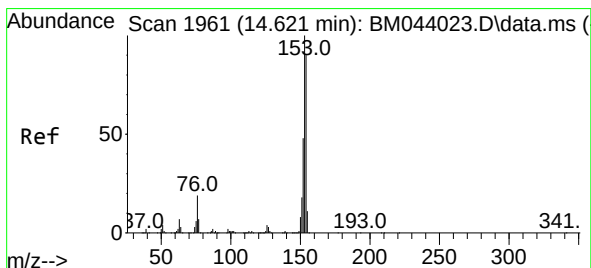
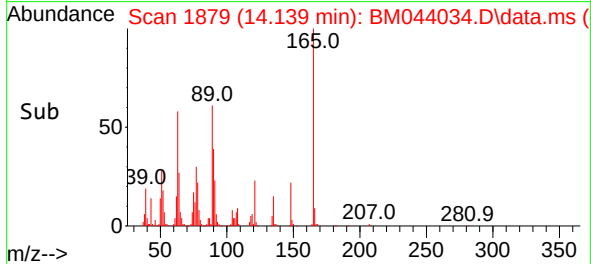
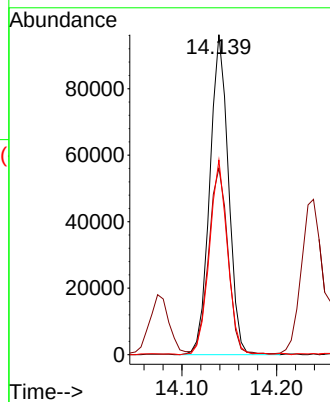
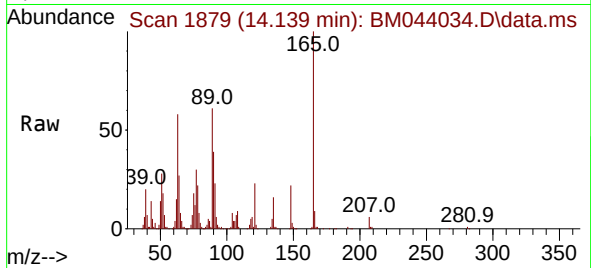
Tgt Ion:165 Resp: 131237

Ion Ratio Lower Upper

165 100

63 58.3 43.5 65.3

89 60.8 44.4 66.6



#52

Acenaphthene

Concen: 6.910 ng

RT: 14.615 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

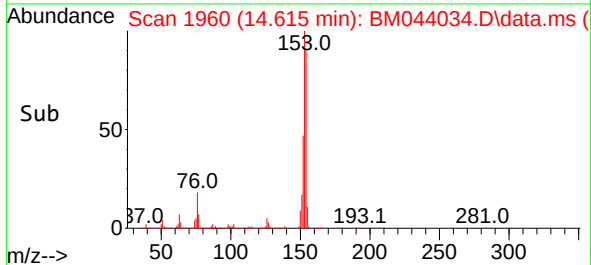
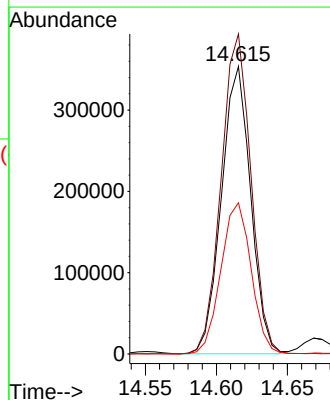
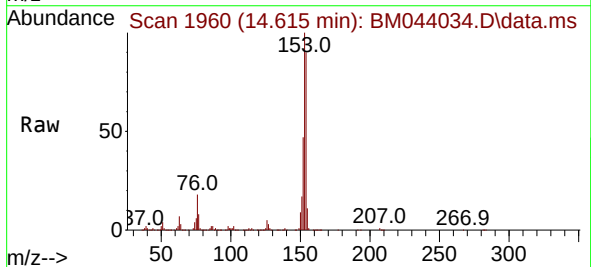
Tgt Ion:154 Resp: 505825

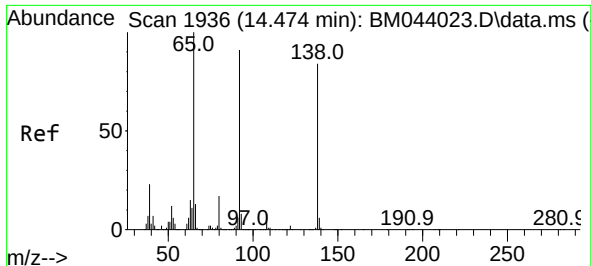
Ion Ratio Lower Upper

154 100

153 111.3 89.3 133.9

152 52.6 43.0 64.6

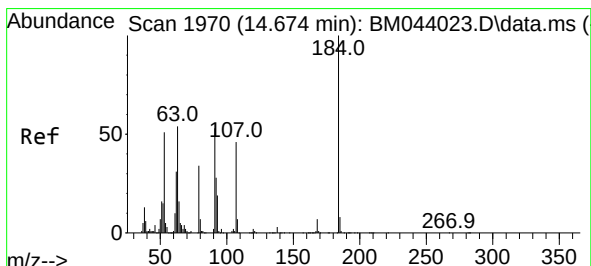
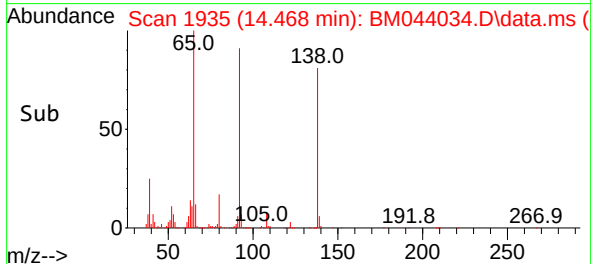
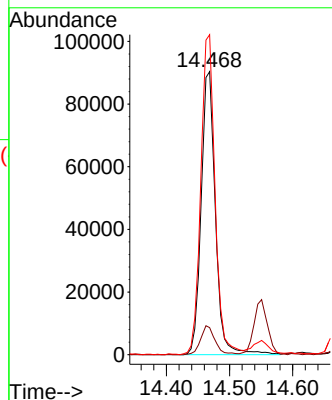
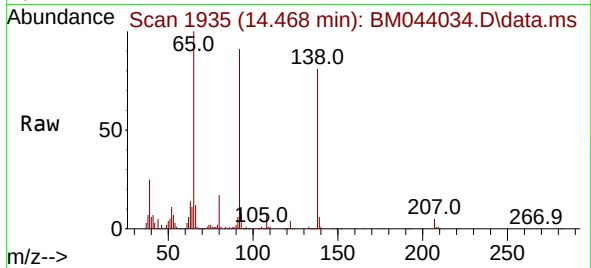




#53  
3-Nitroaniline  
Concen: 6.362 ng  
RT: 14.468 min Scan# 1935  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

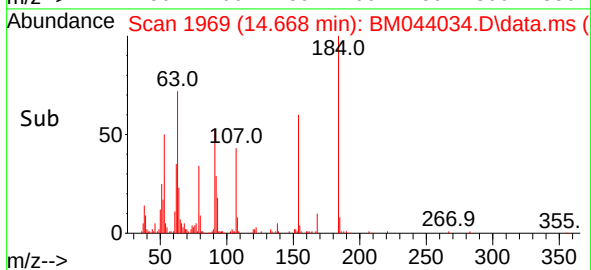
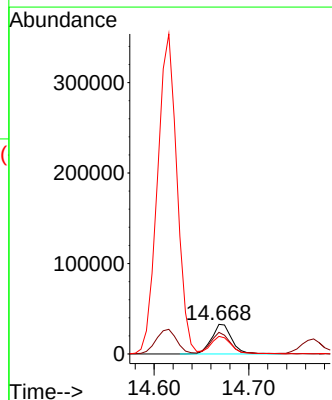
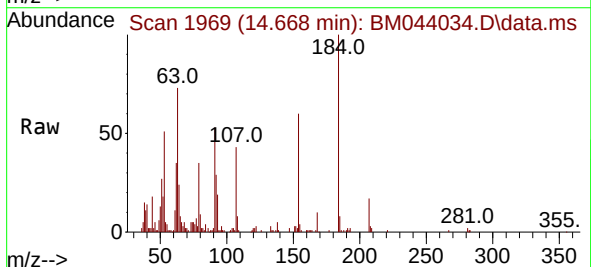
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

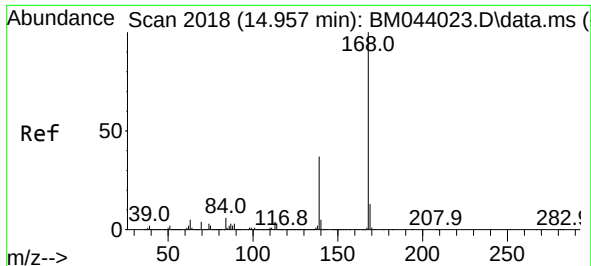
Tgt Ion:138 Resp: 141868  
Ion Ratio Lower Upper  
138 100  
108 9.5 7.6 11.4  
92 113.0 86.5 129.7



#54  
2,4-Dinitrophenol  
Concen: 9.205 ng  
RT: 14.668 min Scan# 1969  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:184 Resp: 48441  
Ion Ratio Lower Upper  
184 100  
63 73.0 55.4 83.2  
154 59.8 49.2 73.8

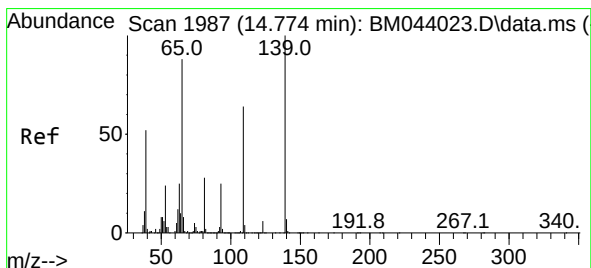
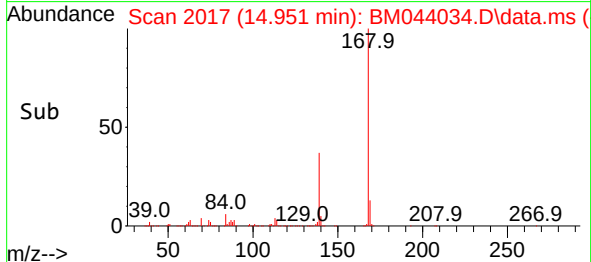
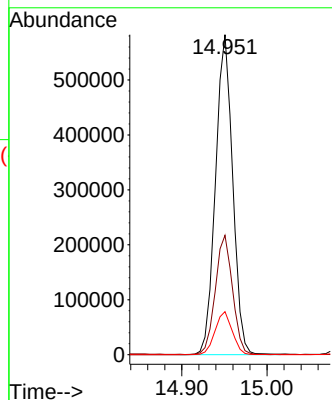
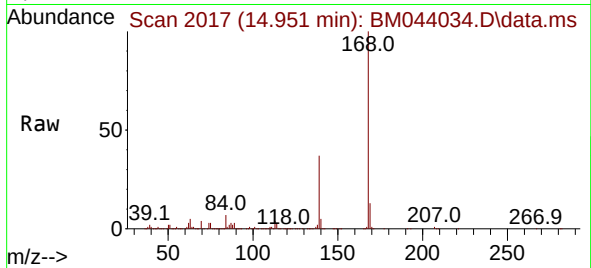




#55  
Dibenzenofuran  
Concen: 7.217 ng  
RT: 14.951 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

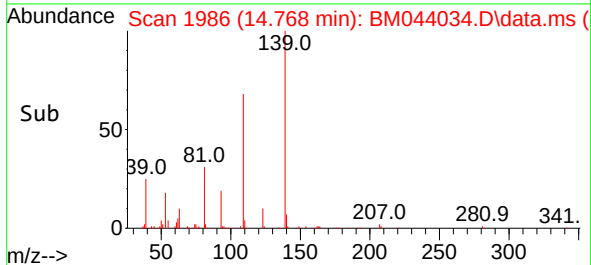
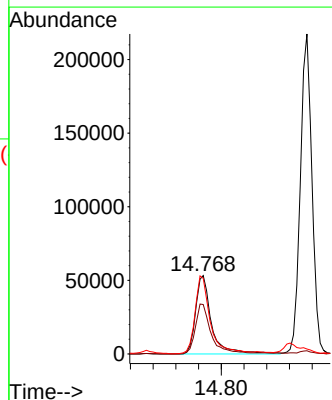
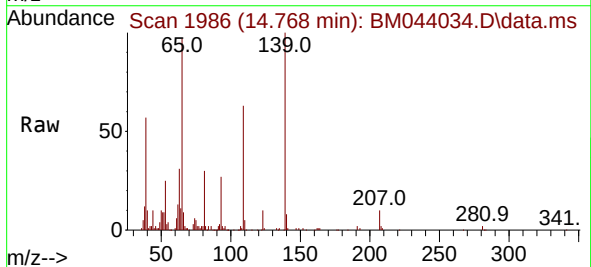
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

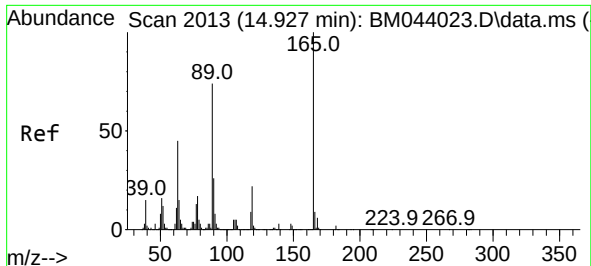
Tgt Ion:168 Resp: 817687  
Ion Ratio Lower Upper  
168 100  
139 37.3 29.6 44.4  
169 13.5 10.5 15.7



#56  
4-Nitrophenol  
Concen: 5.699 ng  
RT: 14.768 min Scan# 1986  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:139 Resp: 103307  
Ion Ratio Lower Upper  
139 100  
109 63.0 43.8 83.8  
65 96.6 67.7 107.7





#57

2,4-Dinitrotoluene

Concen: 6.077 ng

RT: 14.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:165 Resp: 164788

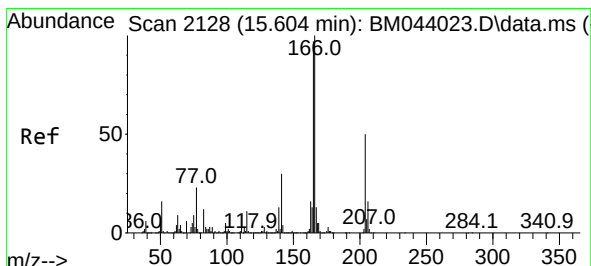
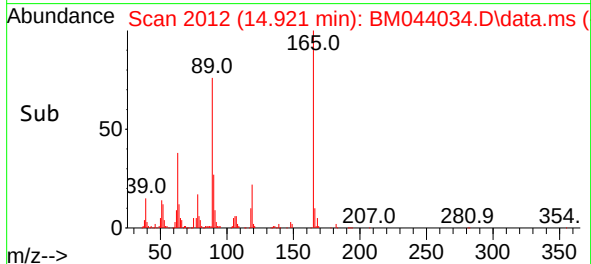
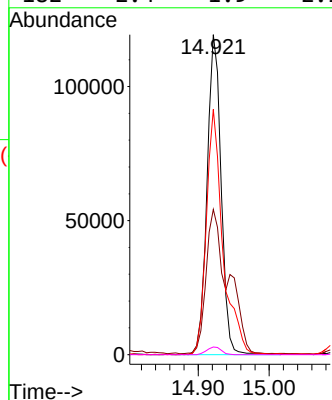
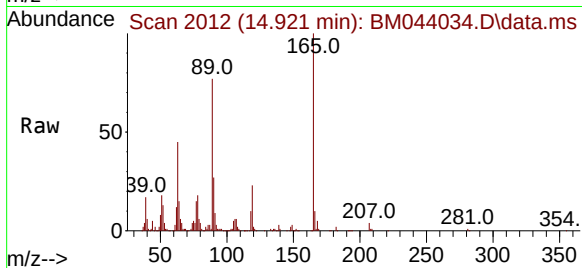
Ion Ratio Lower Upper

165 100

63 45.4 35.9 53.9

89 76.6 58.9 88.3

182 2.4 1.9 2.9



#58

Fluorene

Concen: 7.357 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

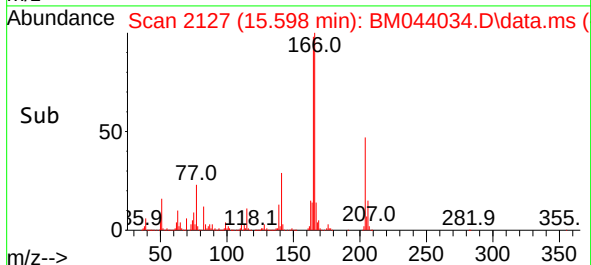
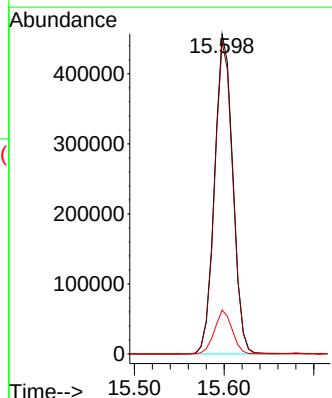
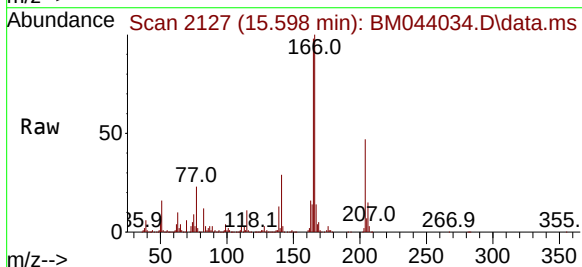
Tgt Ion:166 Resp: 644060

Ion Ratio Lower Upper

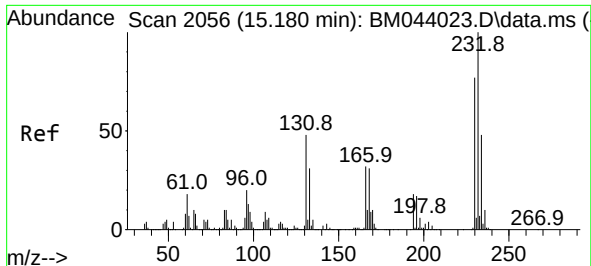
166 100

165 97.5 77.7 116.5

167 13.7 10.7 16.1



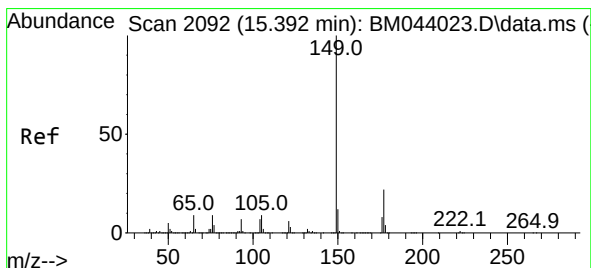
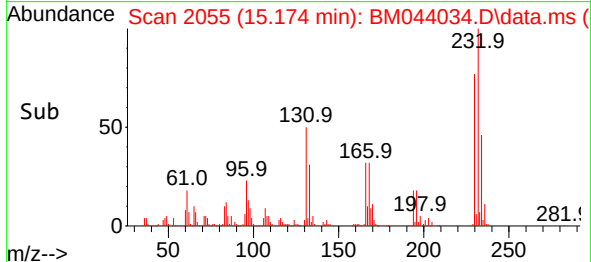
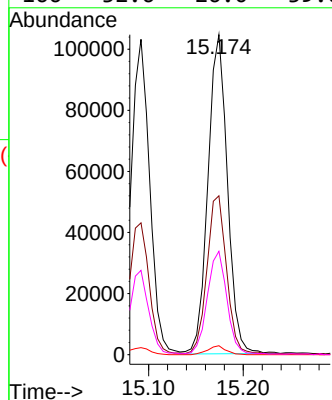
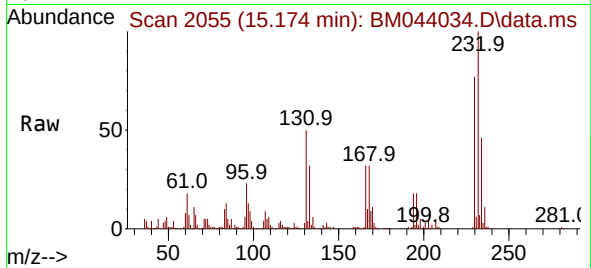




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.913 ng  
RT: 15.174 min Scan# 2055  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

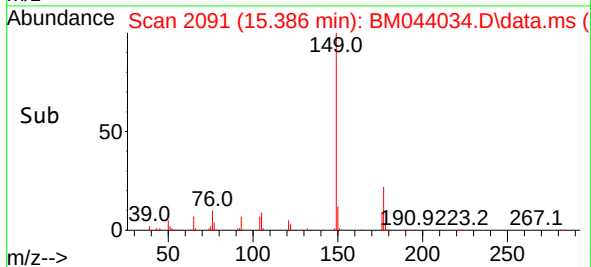
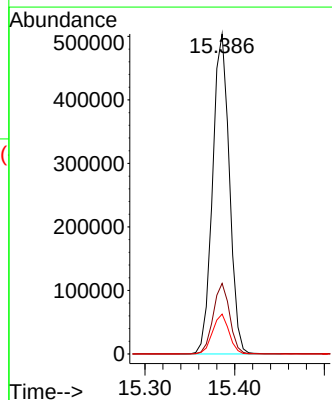
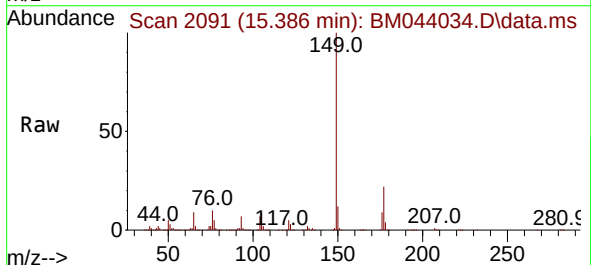
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

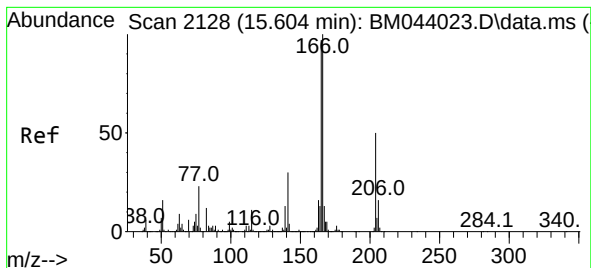
Tgt Ion:232 Resp: 149344  
Ion Ratio Lower Upper  
232 100  
131 50.1 39.5 59.3  
130 2.6 2.0 3.0  
166 32.6 26.0 39.0



#60  
Diethylphthalate  
Concen: 6.732 ng  
RT: 15.386 min Scan# 2091  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:149 Resp: 654259  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.5 26.3  
150 12.5 9.8 14.6

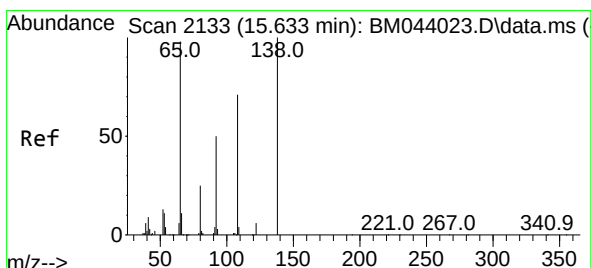
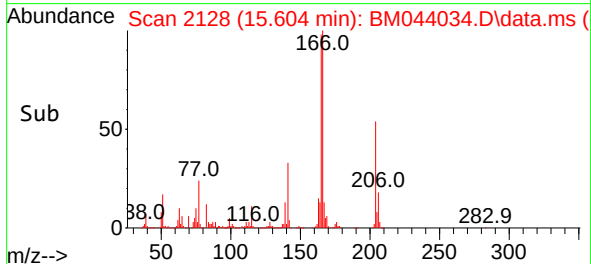
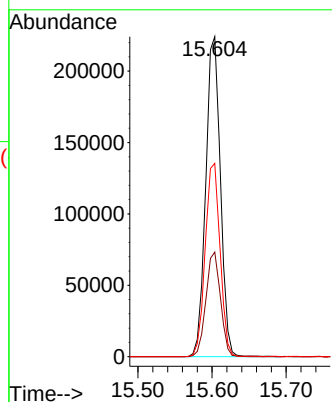
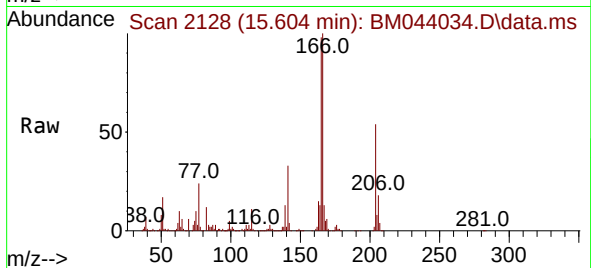




#61  
4-Chlorophenyl-phenylether  
Concen: 7.266 ng  
RT: 15.604 min Scan# 2128  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

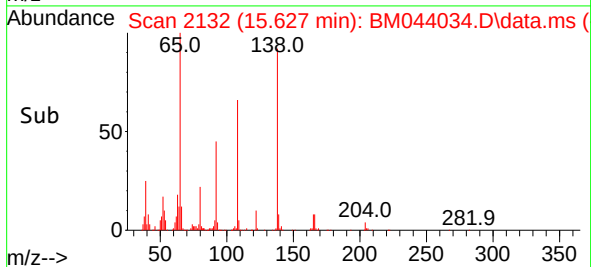
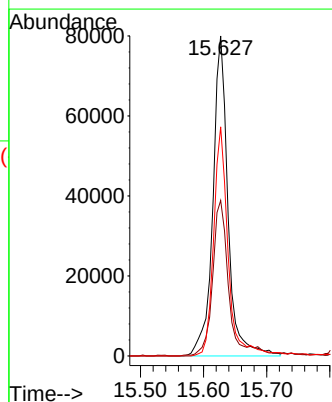
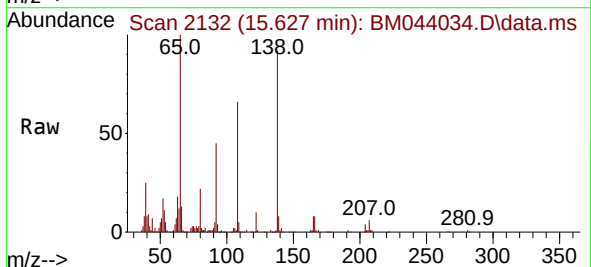
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

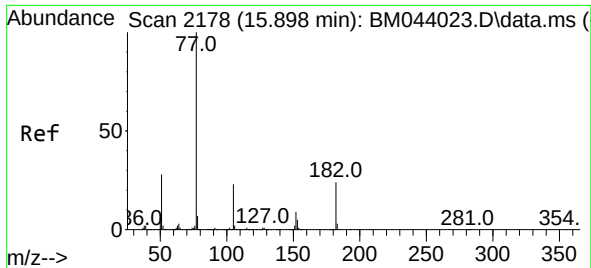
Tgt Ion:204 Resp: 308242  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.3 39.5  
141 60.4 47.7 71.5



#62  
4-Nitroaniline  
Concen: 5.947 ng  
RT: 15.627 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:138 Resp: 133485  
Ion Ratio Lower Upper  
138 100  
92 48.6 29.6 69.6  
108 71.6 47.8 87.8

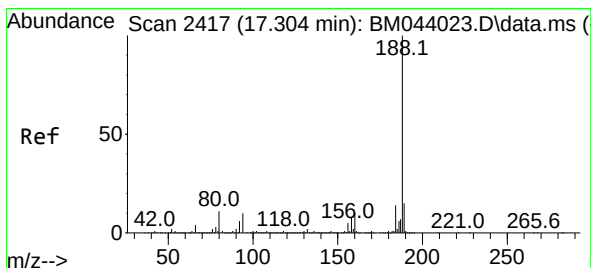
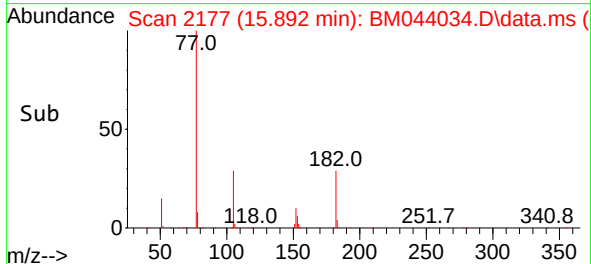
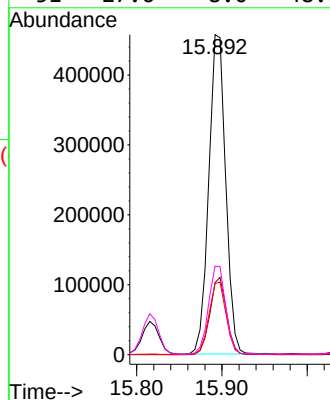
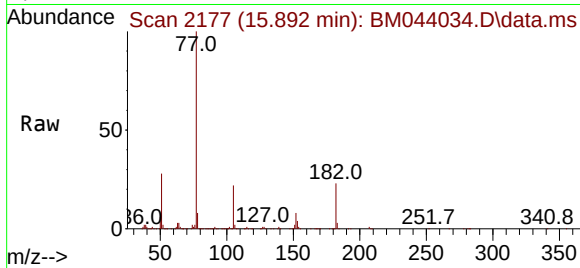




#63  
 Azobenzene  
 Concen: 6.918 ng  
 RT: 15.892 min Scan# 2177  
 Delta R.T. -0.006 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

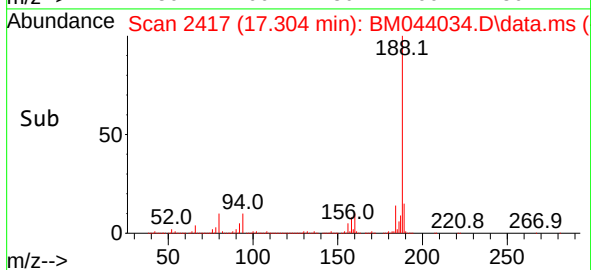
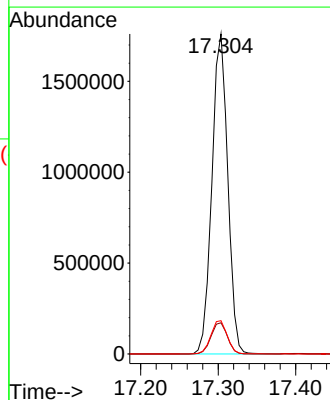
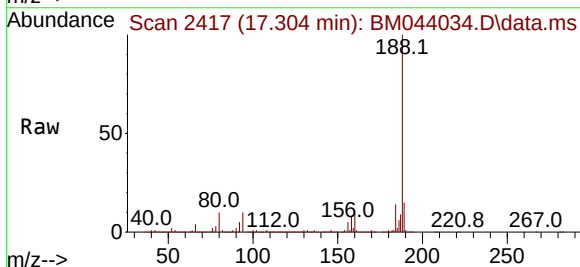
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

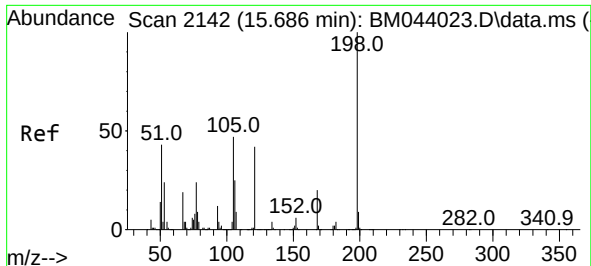
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 630763 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 22.5  | 4.0   | 44.0   |
| 105      | 22.3  | 3.3   | 43.3   |
| 51       | 27.6  | 8.0   | 48.0   |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.304 min Scan# 2417  
 Delta R.T. -0.000 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 188   | Resp: | 2501626 |
| Ion      | Ratio | Lower | Upper   |
| 188      | 100   |       |         |
| 94       | 9.8   | 8.2   | 12.2    |
| 80       | 10.4  | 8.8   | 13.2    |





#65

4,6-Dinitro-2-methylphenol

Concen: 4.851 ng

RT: 15.680 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

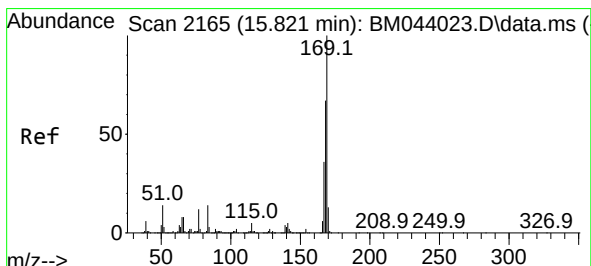
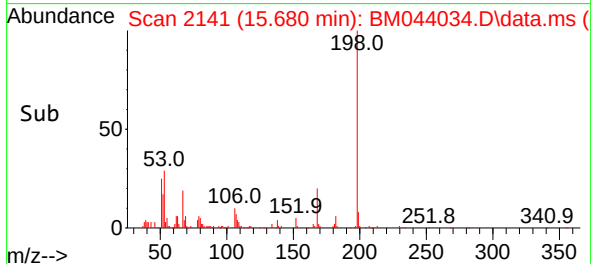
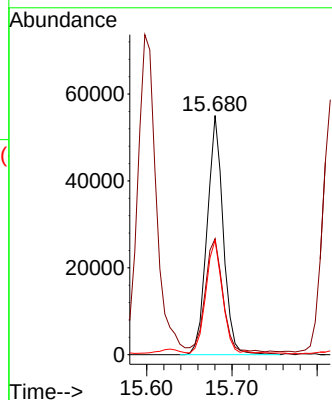
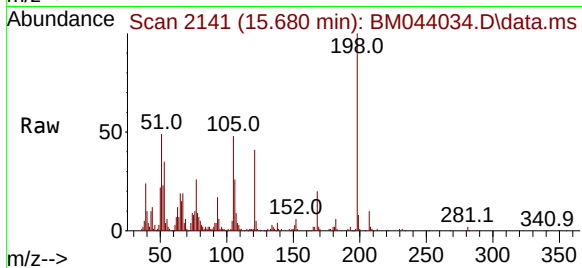
Tgt Ion:198 Resp: 72309

Ion Ratio Lower Upper

198 100

51 48.5 29.9 69.9

105 47.9 28.7 68.7



#66

n-Nitrosodiphenylamine

Concen: 7.021 ng

RT: 15.815 min Scan# 2164

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

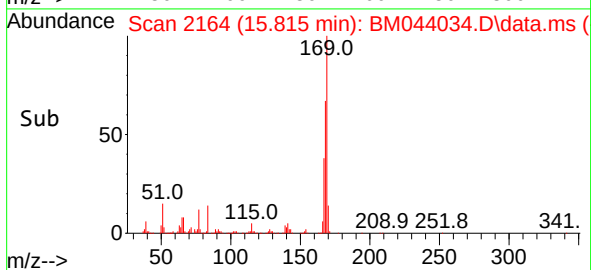
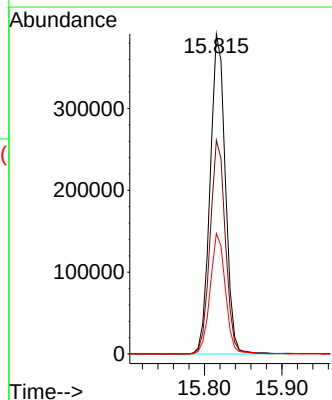
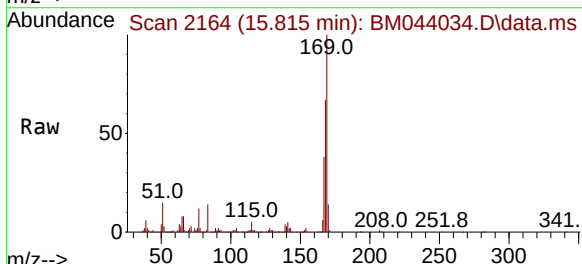
Tgt Ion:169 Resp: 533599

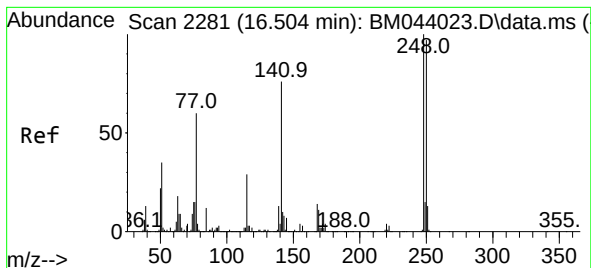
Ion Ratio Lower Upper

169 100

168 66.8 53.8 80.8

167 37.6 29.2 43.8

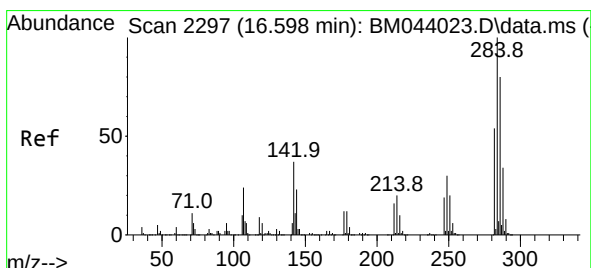
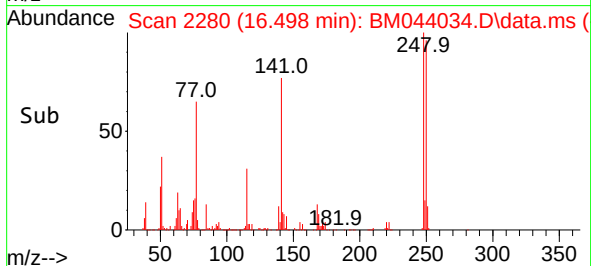
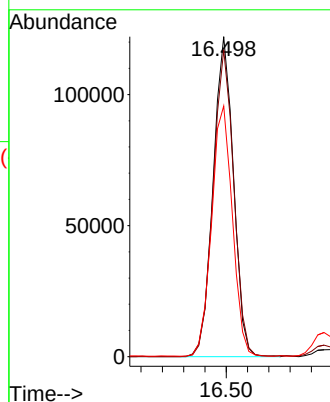
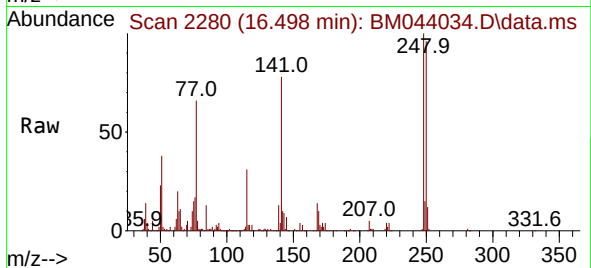




#67  
4-Bromophenyl-phenylether  
Concen: 6.543 ng  
RT: 16.498 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

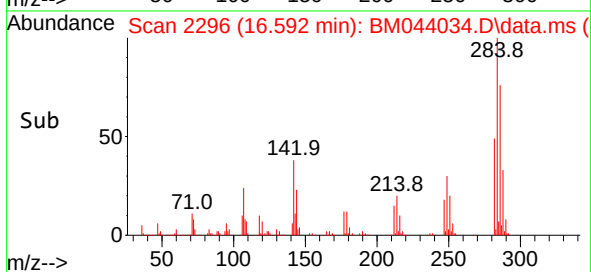
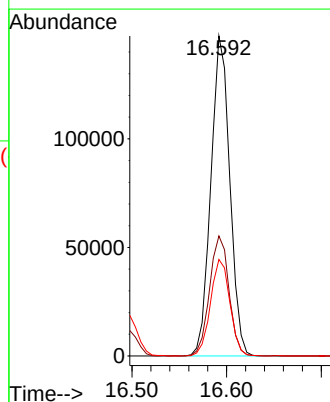
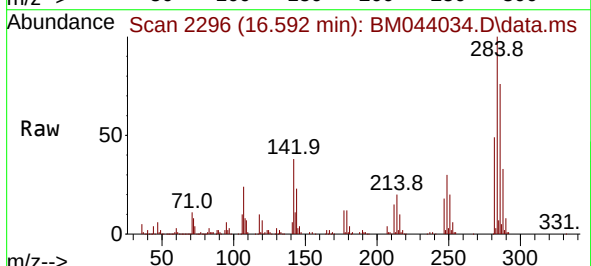
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

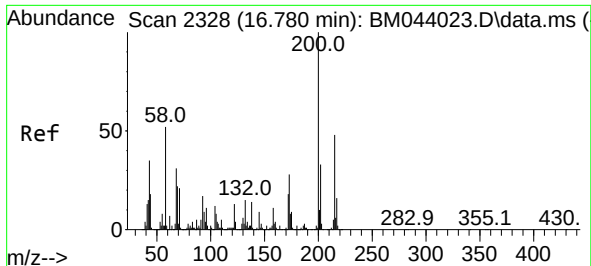
Tgt Ion:248 Resp: 161826  
Ion Ratio Lower Upper  
248 100  
250 95.9 77.4 116.2  
141 78.3 61.0 91.6



#68  
Hexachlorobenzene  
Concen: 6.749 ng  
RT: 16.592 min Scan# 2296  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:284 Resp: 204488  
Ion Ratio Lower Upper  
284 100  
142 37.5 30.0 45.0  
249 30.1 24.1 36.1

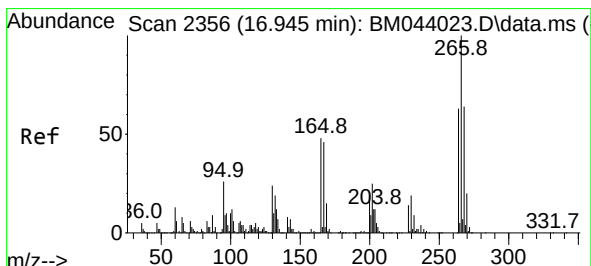
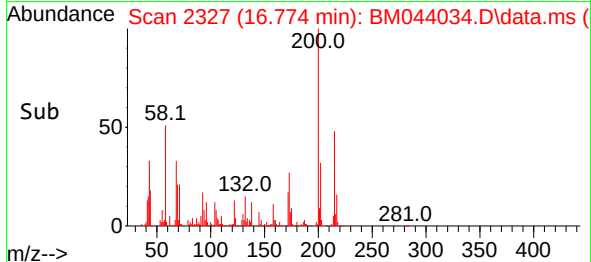
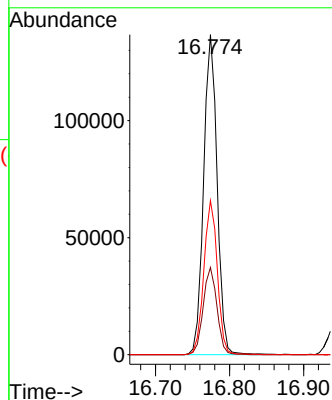
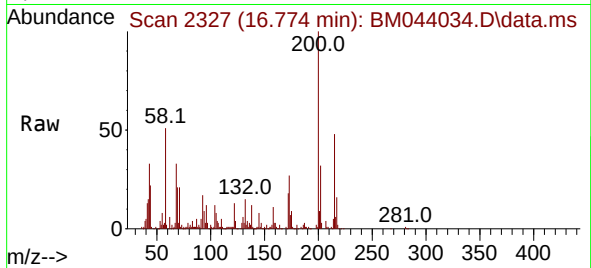




#69  
 Atrazine  
 Concen: 8.407 ng  
 RT: 16.774 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

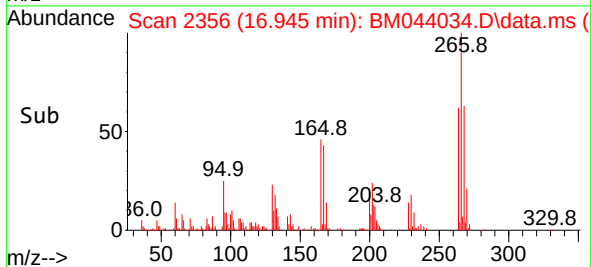
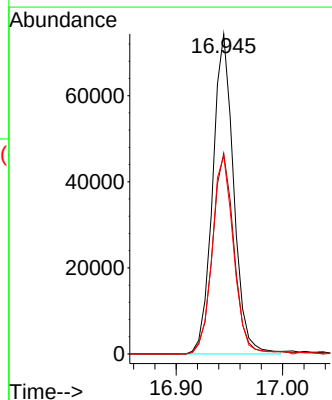
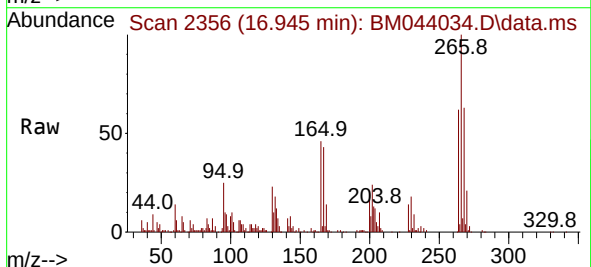
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

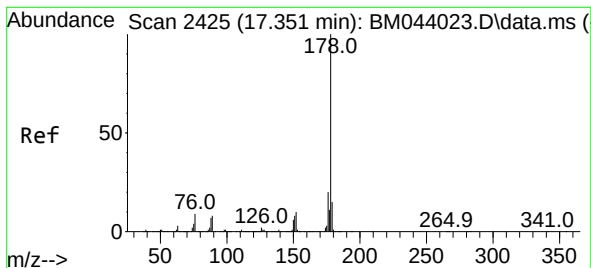
Tgt Ion:200 Resp: 173020  
 Ion Ratio Lower Upper  
 200 100  
 173 27.2 7.9 47.9  
 215 48.1 27.9 67.9



#70  
 Pentachlorophenol  
 Concen: 5.152 ng  
 RT: 16.945 min Scan# 2356  
 Delta R.T. -0.000 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

Tgt Ion:266 Resp: 101547  
 Ion Ratio Lower Upper  
 266 100  
 268 62.7 51.1 76.7  
 264 61.9 50.5 75.7





#71

Phenanthrene

Concen: 7.168 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

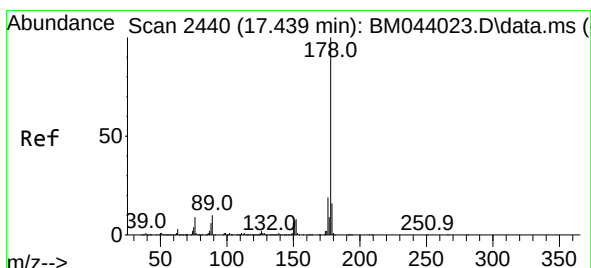
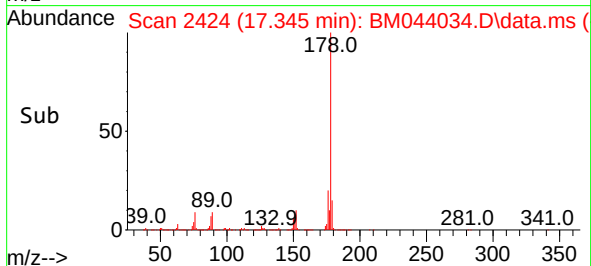
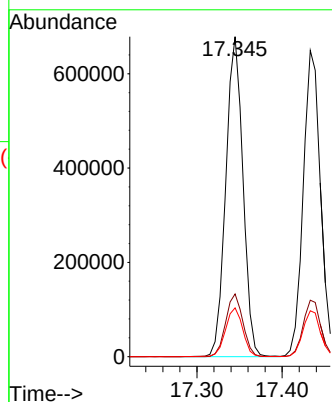
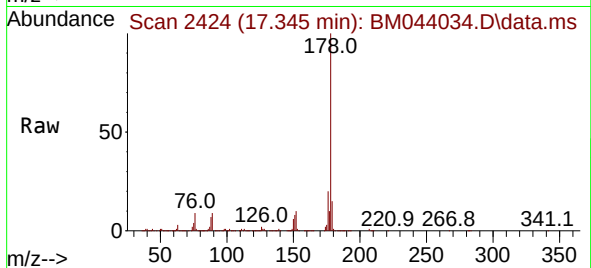
Tgt Ion:178 Resp: 946863

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.2 12.2 18.4



#72

Anthracene

Concen: 7.052 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

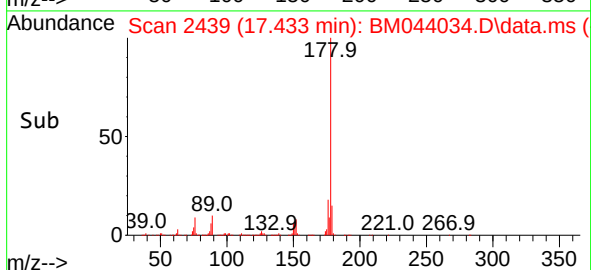
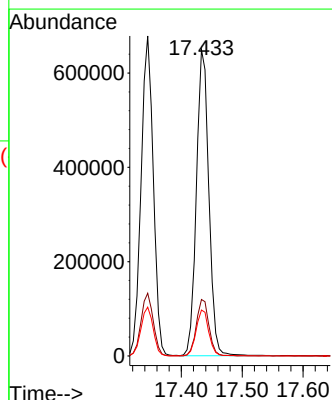
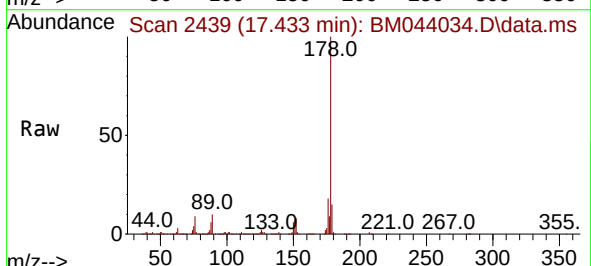
Tgt Ion:178 Resp: 922235

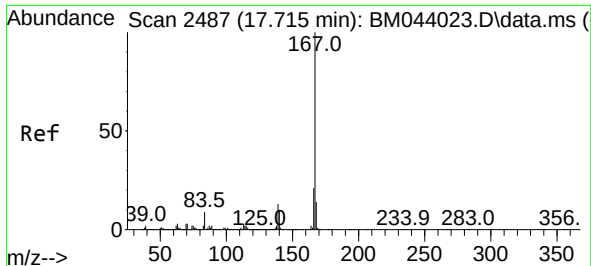
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.0 12.4 18.6

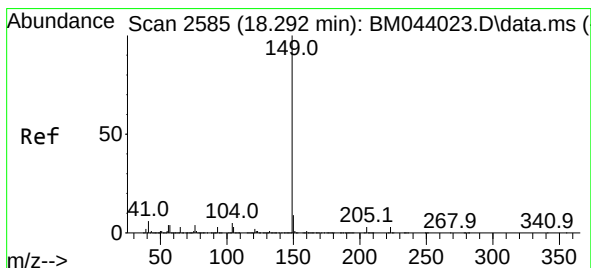
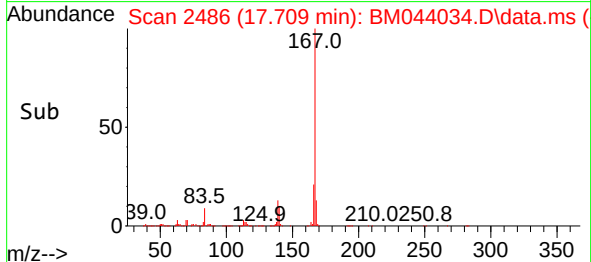
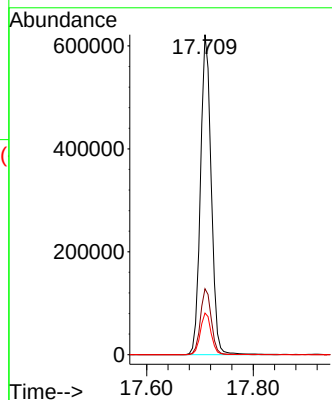
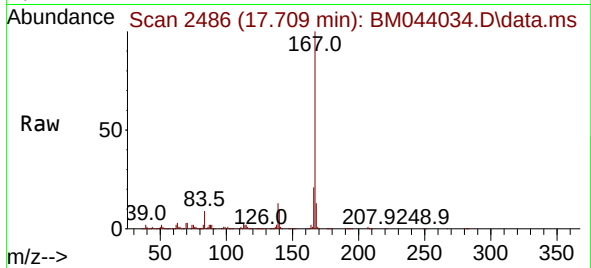




#73  
 Carbazole  
 Concen: 6.847 ng  
 RT: 17.709 min Scan# 2486  
 Delta R.T. -0.006 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

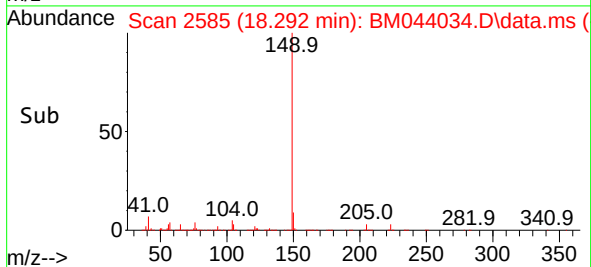
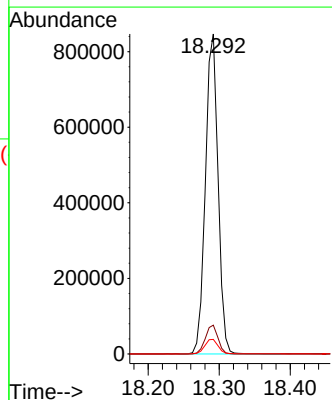
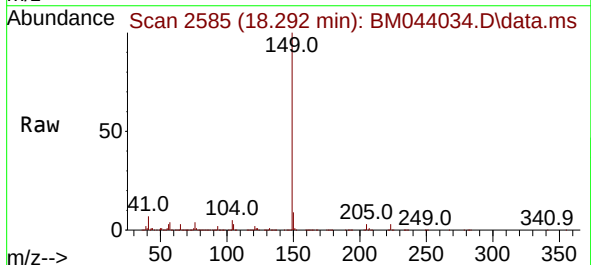
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:167 Resp: 870906  
 Ion Ratio Lower Upper  
 167 100  
 166 20.6 16.8 25.2  
 139 13.0 10.4 15.6

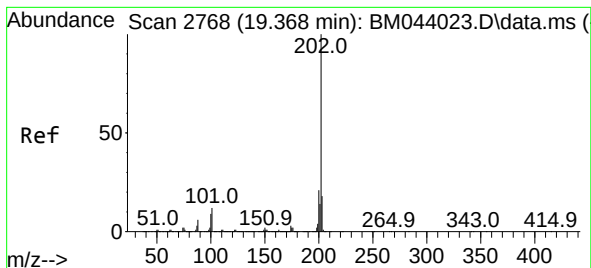


#74  
 Di-n-butylphthalate  
 Concen: 6.351 ng  
 RT: 18.292 min Scan# 2585  
 Delta R.T. -0.000 min  
 Lab File: BM044034.D  
 Acq: 09 Feb 2024 11:53

Tgt Ion:149 Resp: 1049985  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.4 11.2  
 104 4.6 3.8 5.6







#75

Fluoranthene

Concen: 6.681 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

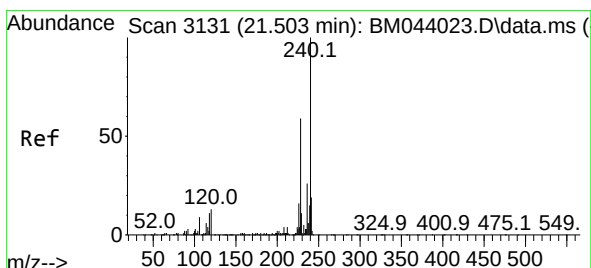
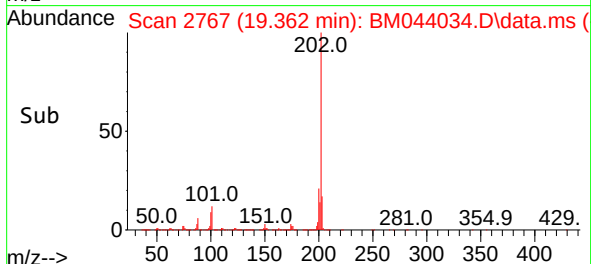
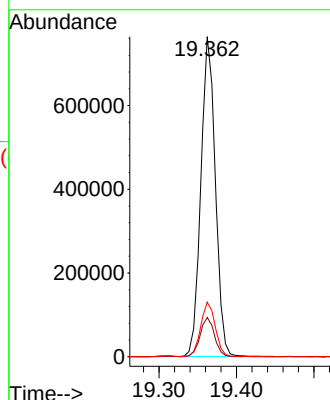
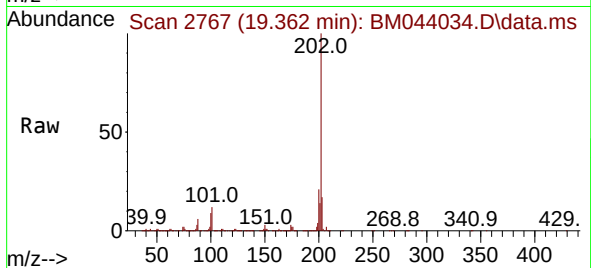
Tgt Ion:202 Resp: 991454

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

203 17.0 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.503 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

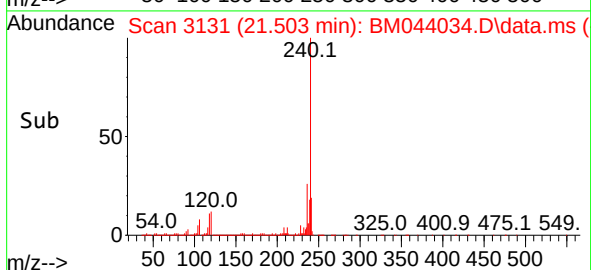
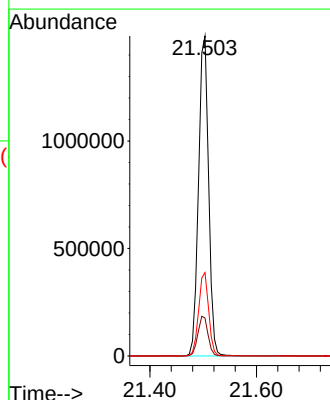
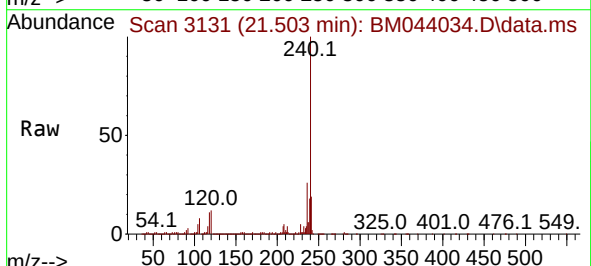
Tgt Ion:240 Resp: 1956563

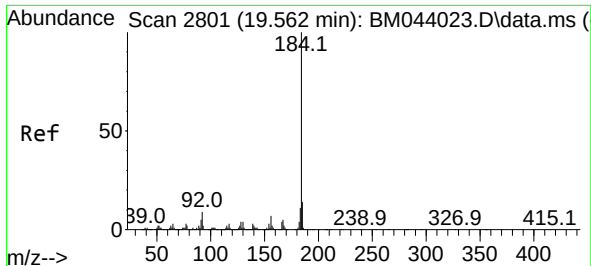
Ion Ratio Lower Upper

240 100

120 11.9 10.1 15.1

236 26.1 20.6 31.0

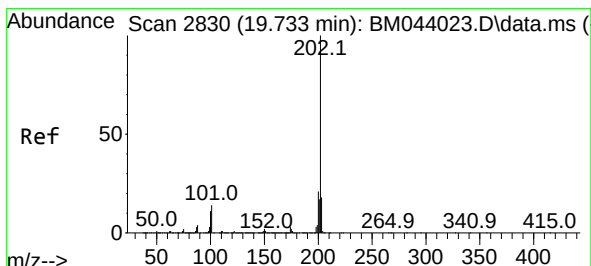
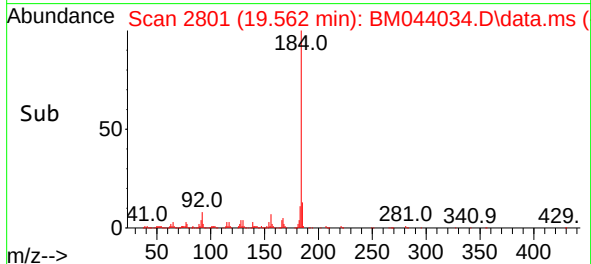
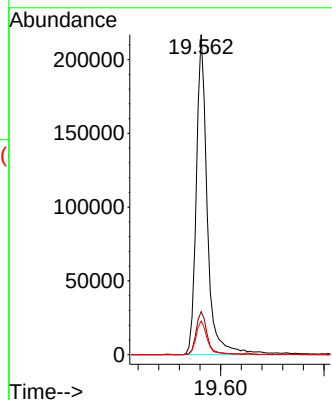
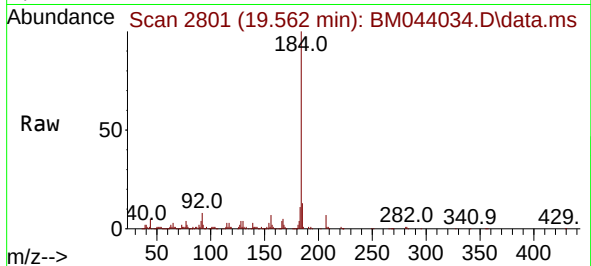




#77  
Benzidine  
Concen: 10.533 ng  
RT: 19.562 min Scan# 2801  
Delta R.T. -0.000 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

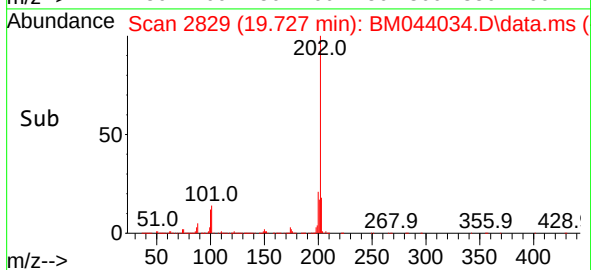
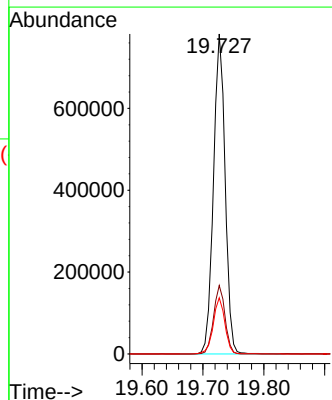
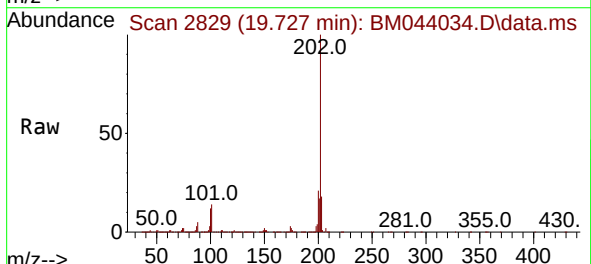
Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

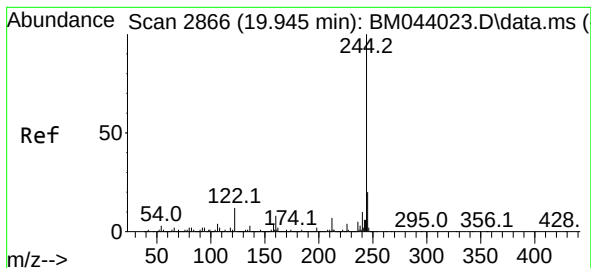
Tgt Ion:184 Resp: 320264  
Ion Ratio Lower Upper  
184 100  
185 13.4 11.0 16.6  
183 10.5 9.0 13.4



#78  
Pyrene  
Concen: 6.907 ng  
RT: 19.727 min Scan# 2829  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:202 Resp: 1040809  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.8 25.2  
203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: 66.557 ng

RT: 19.945 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

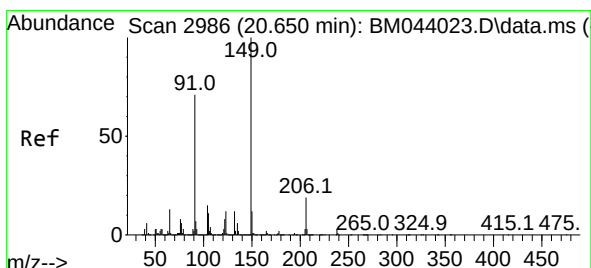
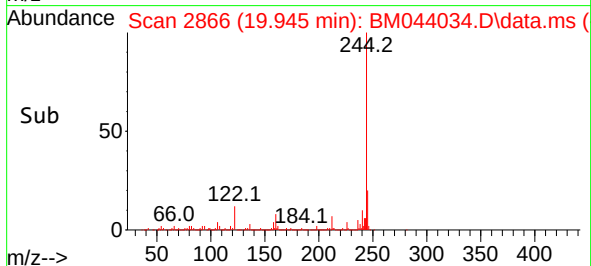
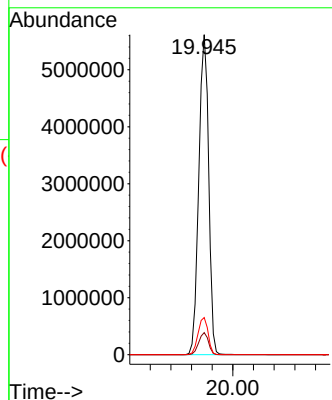
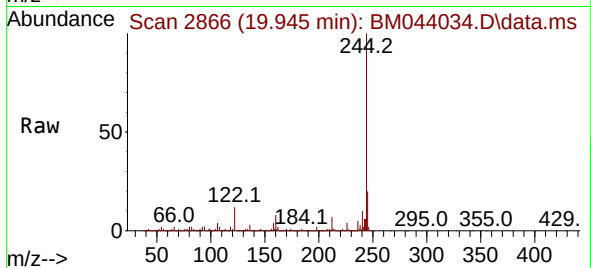
Tgt Ion:244 Resp: 7428428

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 11.6 9.5 14.3



#80

Butylbenzylphthalate

Concen: 5.924 ng

RT: 20.650 min Scan# 2986

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

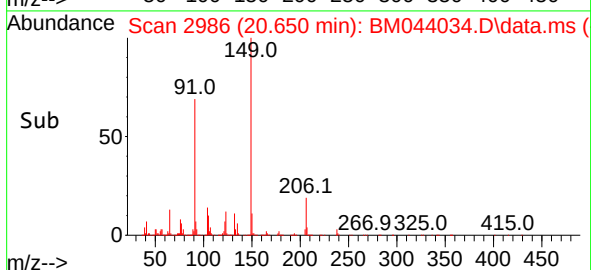
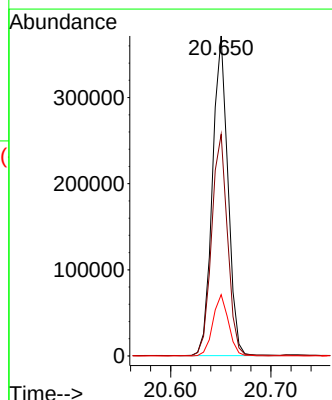
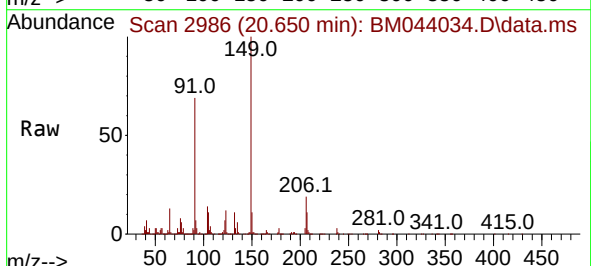
Tgt Ion:149 Resp: 396816

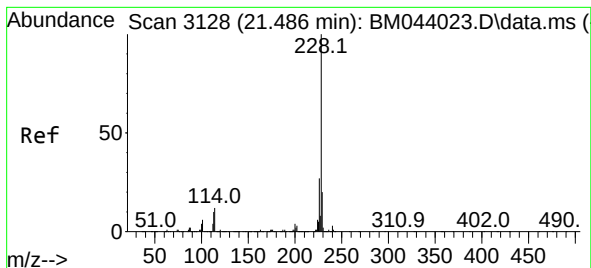
Ion Ratio Lower Upper

149 100

91 69.3 56.8 85.2

206 19.1 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.989 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

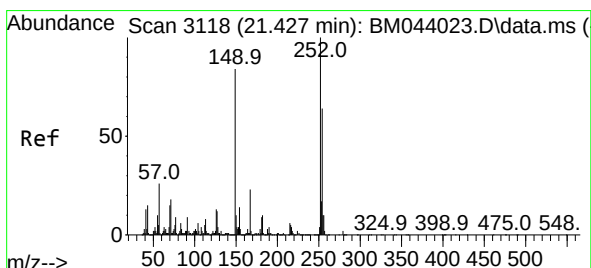
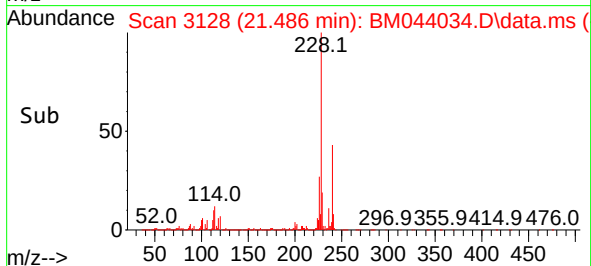
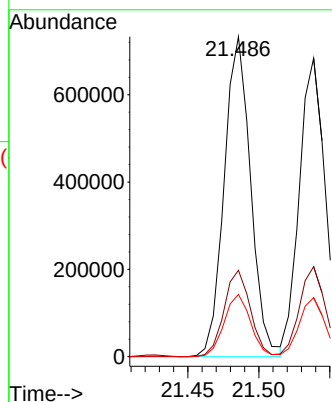
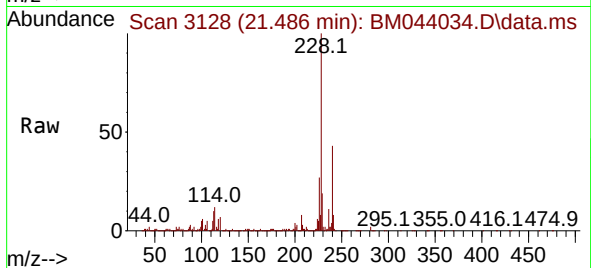
Tgt Ion:228 Resp: 951170

Ion Ratio Lower Upper

228 100

226 27.0 21.4 32.2

229 19.5 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 7.198 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

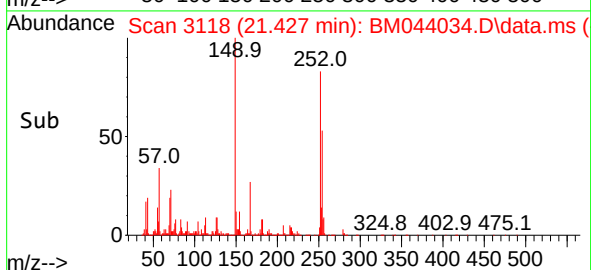
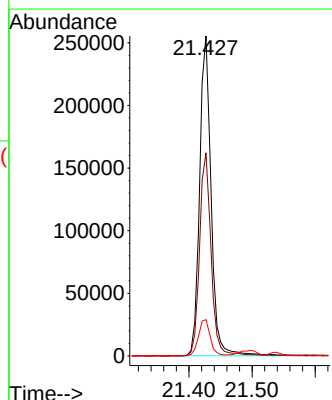
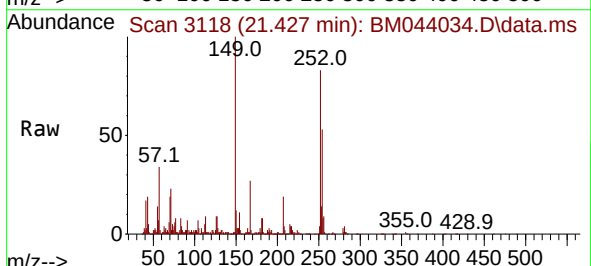
Tgt Ion:252 Resp: 321417

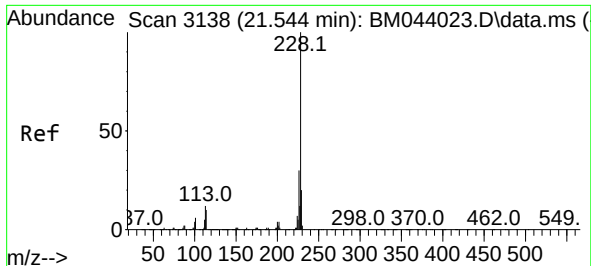
Ion Ratio Lower Upper

252 100

254 63.5 51.2 76.8

126 11.4 10.2 15.4

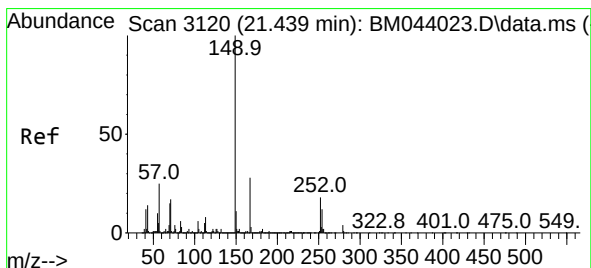
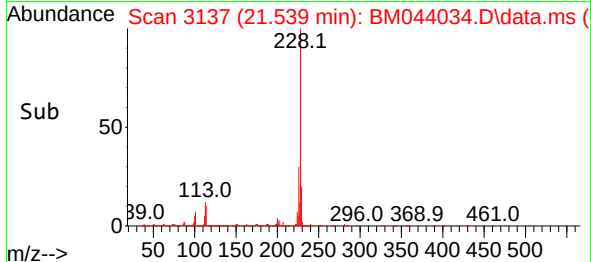
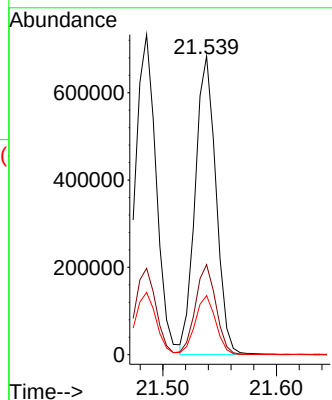
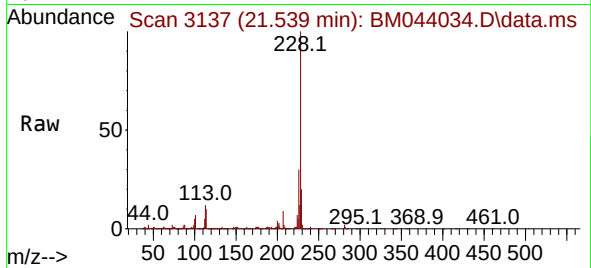




#83  
Chrysene  
Concen: 6.749 ng  
RT: 21.539 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

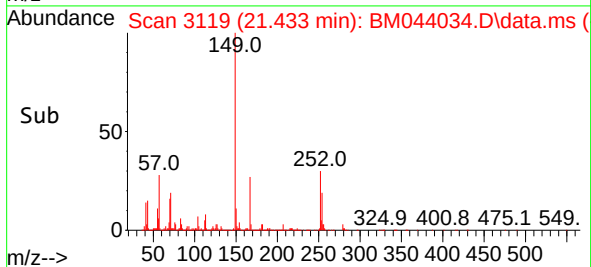
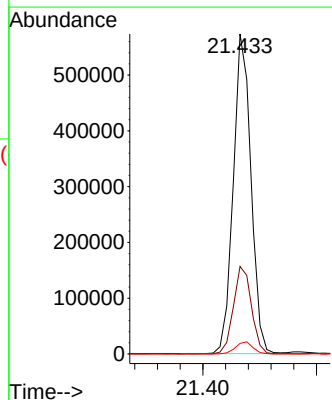
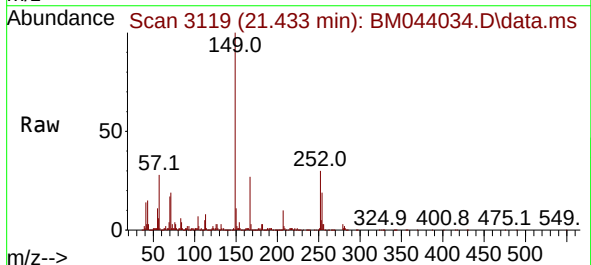
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

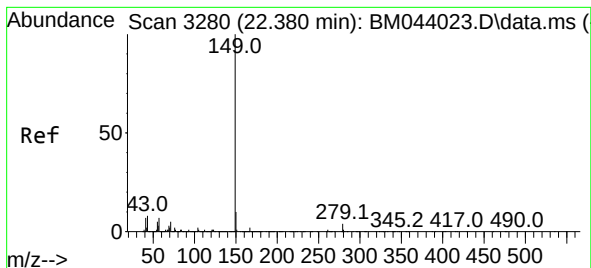
Tgt Ion:228 Resp: 867791  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.2 36.2  
229 19.8 15.8 23.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.249 ng  
RT: 21.433 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:149 Resp: 617554  
Ion Ratio Lower Upper  
149 100  
167 27.3 22.6 33.8  
279 3.3 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 5.474 ng

RT: 22.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

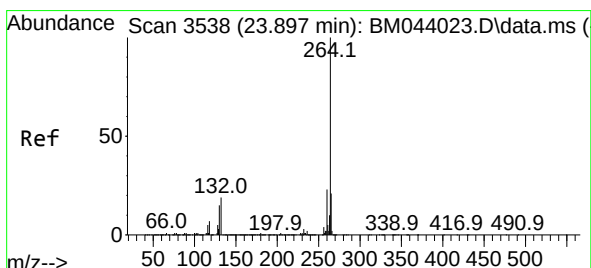
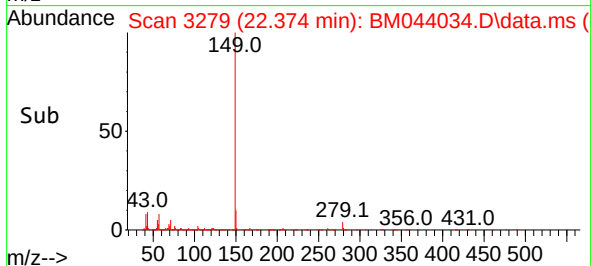
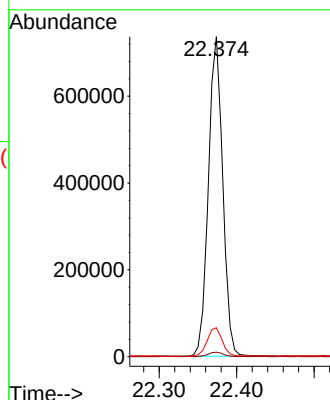
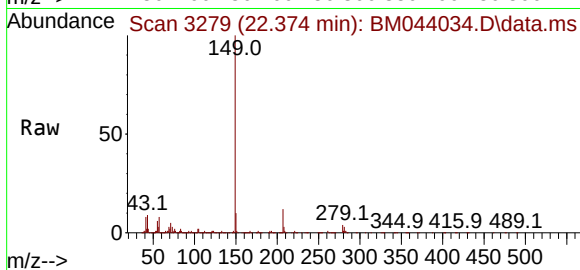
Tgt Ion:149 Resp: 944865

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 9.5 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.897 min Scan# 3538

Delta R.T. -0.000 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

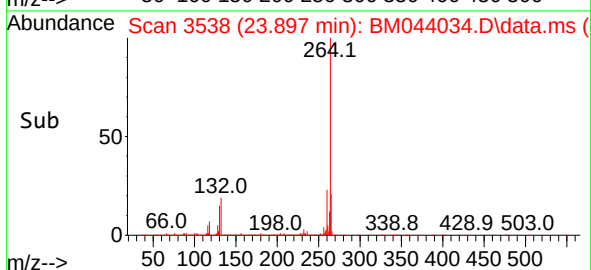
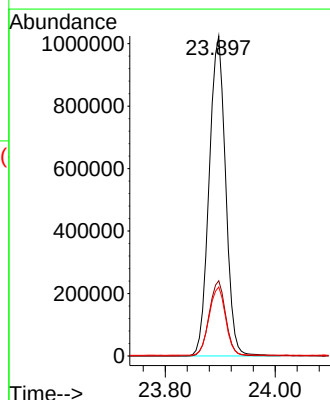
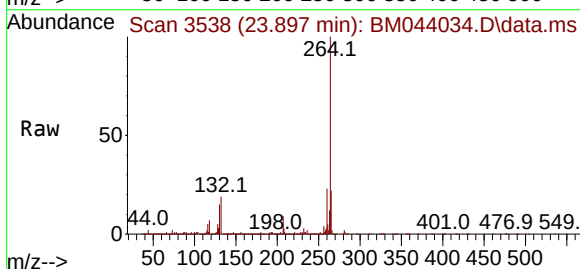
Tgt Ion:264 Resp: 2131650

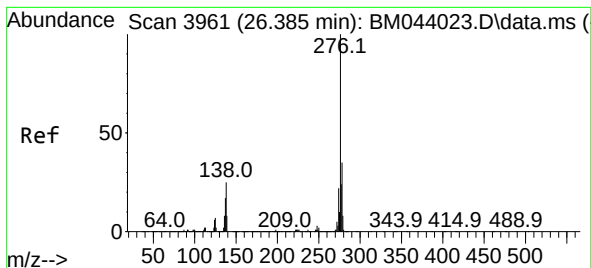
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.674 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.012 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

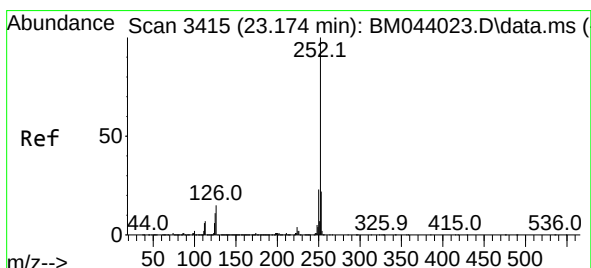
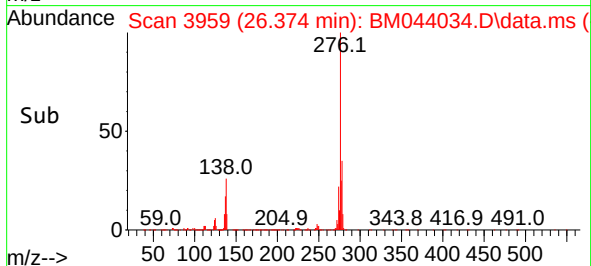
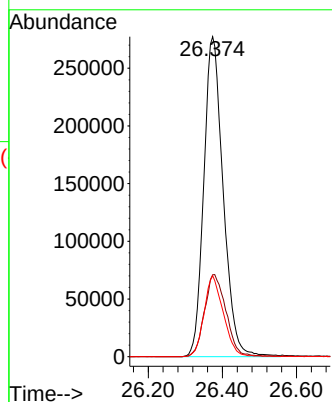
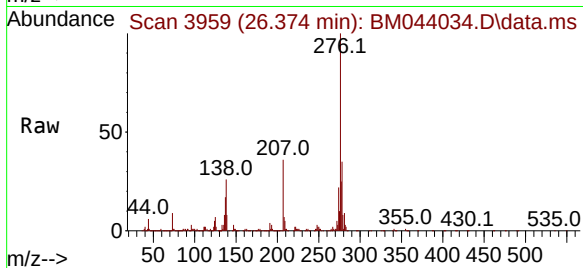
Tgt Ion:276 Resp: 1006983

Ion Ratio Lower Upper

276 100

138 28.5 22.6 34.0

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 6.865 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

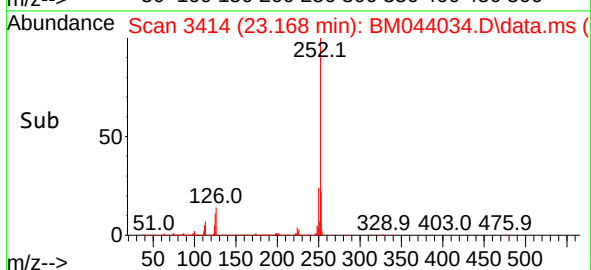
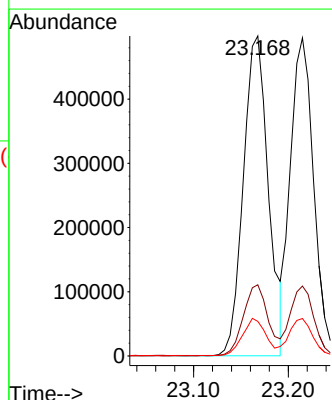
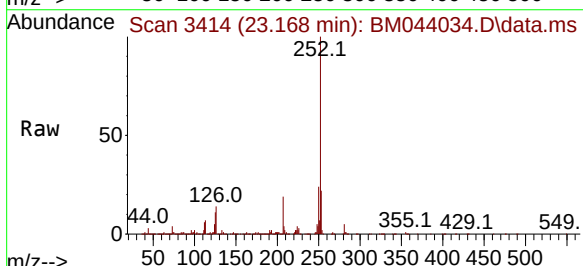
Tgt Ion:252 Resp: 914828

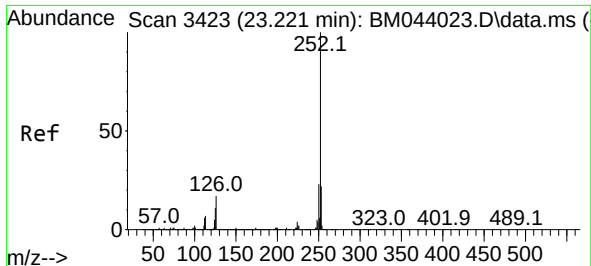
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.8 8.8 13.2

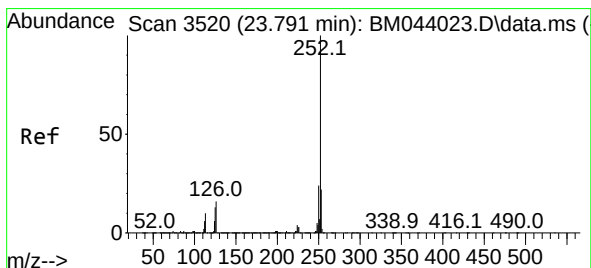
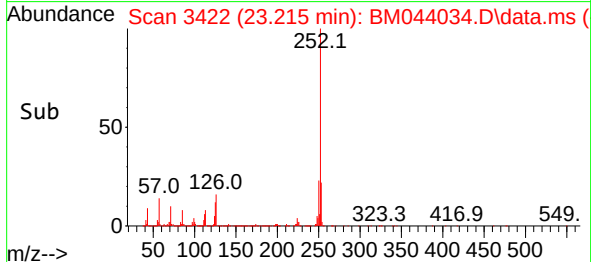
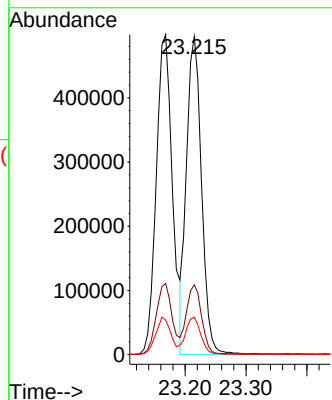
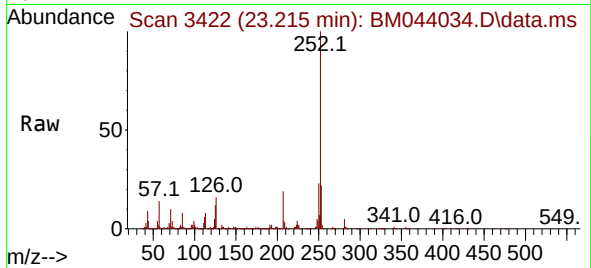




#89  
Benzo(k)fluoranthene  
Concen: 6.728 ng  
RT: 23.215 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

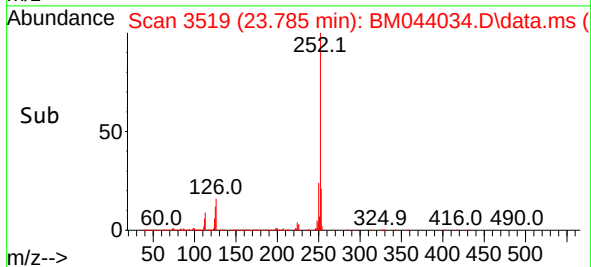
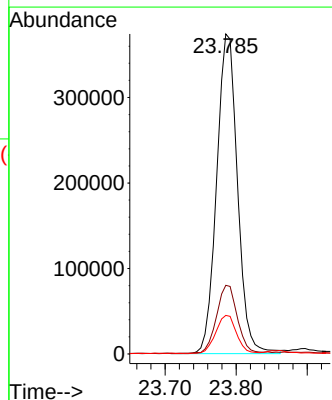
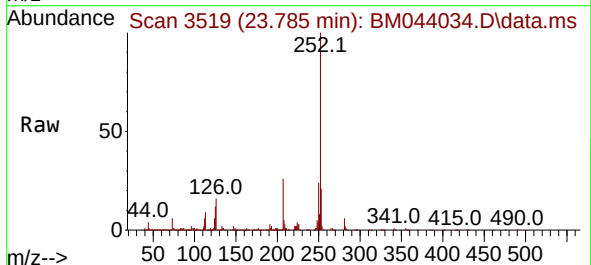
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:252 Resp: 851895  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.7 26.5  
125 11.8 9.0 13.4

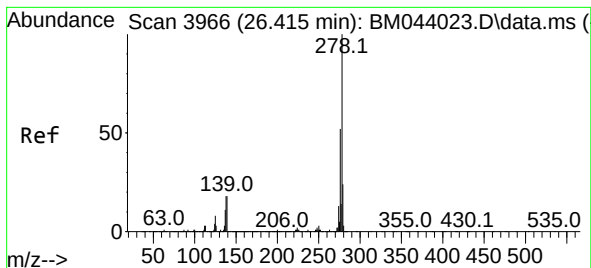


#90  
Benzo(a)pyrene  
Concen: 6.532 ng  
RT: 23.785 min Scan# 3519  
Delta R.T. -0.006 min  
Lab File: BM044034.D  
Acq: 09 Feb 2024 11:53

Tgt Ion:252 Resp: 760303  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.7 26.5  
125 12.0 10.1 15.1







#91

Dibenzo(a,h)anthracene

Concen: 6.774 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

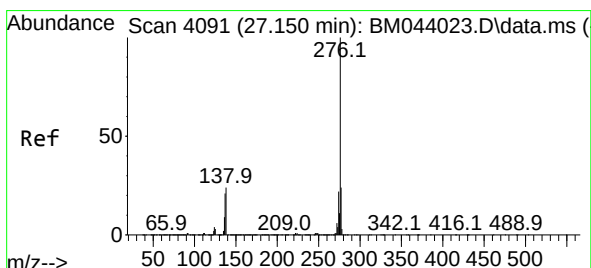
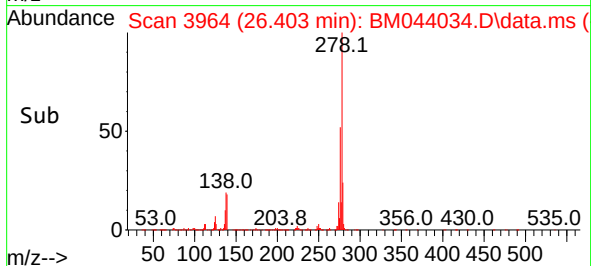
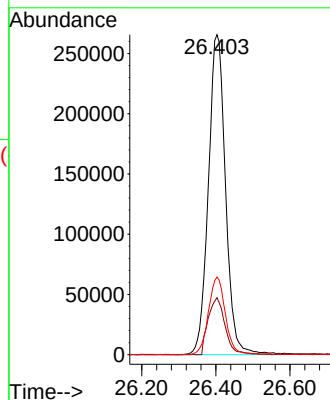
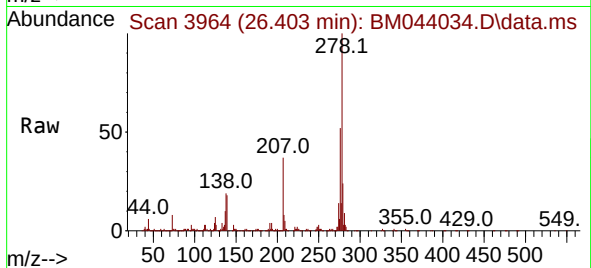
Tgt Ion:278 Resp: 854858

Ion Ratio Lower Upper

278 100

139 17.8 14.5 21.7

279 24.2 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 6.346 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044034.D

Acq: 09 Feb 2024 11:53

Tgt Ion:276 Resp: 812249

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 24.2 19.1 28.7

