

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020924\  
 Data File : BM044042.D  
 Acq On : 09 Feb 2024 16:42  
 Operator : MA/JU  
 Sample : P1187-01  
 Misc : LOD-MDL-SOIL-8ppm  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Feb 09 17:12:01 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  | 599812   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.710 | 136  | 2532633  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.551 | 164  | 1484142  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.304 | 188  | 2922094  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.503 | 240  | 2350765  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.897 | 264  | 2534360  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 3320920  | 80.526 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.075  | 99   | 4329264  | 82.506 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.081  | 82   | 2887397  | 60.497 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.045 | 330  | 1322181  | 82.280 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.180 | 172  | 6158912  | 58.567 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.945 | 244  | 7824071  | 58.346 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.387  | 88   | 101258   | 6.187  | ng    | 98       |
| 3) Pyridine                   | 3.787  | 79   | 237292   | 5.492  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.710  | 42   | 99493    | 6.069  | ng    | # 98     |
| 6) Aniline                    | 7.239  | 93   | 369057   | 7.153  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.469  | 128  | 262461   | 6.094  | ng    | 99       |
| 9) Benzaldehyde               | 7.057  | 77   | 230327m  | 8.542  | ng    |          |
| 10) Phenol                    | 7.098  | 94   | 327482   | 6.184  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.345  | 93   | 268049   | 6.112  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.792  | 146  | 291136   | 5.954  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.945  | 146  | 295736   | 6.000  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.257  | 146  | 281445   | 5.993  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.151  | 79   | 213892   | 6.261  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.451  | 45   | 352158   | 6.335  | ng    | 99       |
| 17) 2-Methylphenol            | 8.351  | 107  | 204444   | 5.881  | ng    | 99       |
| 18) Hexachloroethane          | 8.981  | 117  | 109924   | 5.957  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 206321   | 6.403  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.681  | 107  | 280010   | 5.853  | ng    | 99       |
| 22) Acetophenone              | 8.739  | 105  | 415986   | 6.471  | ng    | # 99     |
| 24) Nitrobenzene              | 9.122  | 77   | 303140   | 6.202  | ng    | 99       |
| 25) Isophorone                | 9.639  | 82   | 549327   | 5.977  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.828  | 139  | 124637   | 5.500  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.886  | 122  | 188035   | 6.490  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.133 | 93   | 368441   | 6.199  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.357 | 162  | 224376   | 5.882  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.569 | 180  | 252660   | 5.890  | ng    | 100      |
| 31) Naphthalene               | 10.757 | 128  | 845872   | 6.051  | ng    | 98       |
| 32) Benzoic acid              | 9.963  | 122  | 100576   | 3.446  | ng    | 95       |
| 33) 4-Chloroaniline           | 10.880 | 127  | 335784   | 6.344  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.033 | 225  | 140738   | 5.732  | ng    | 98       |
| 35) Caprolactam               | 11.651 | 113  | 67613    | 5.508  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.998 | 107  | 237867   | 5.758  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.374 | 142  | 555181   | 5.963  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.592 | 142  | 546125   | 5.969  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.733 | 216  | 266028   | 6.167  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.710 | 237  | 115319   | 6.125  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.980 | 196  | 163083   | 5.555  | ng    | 98       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 09 02:42:01 2024  
 Response via : Initial Calibration

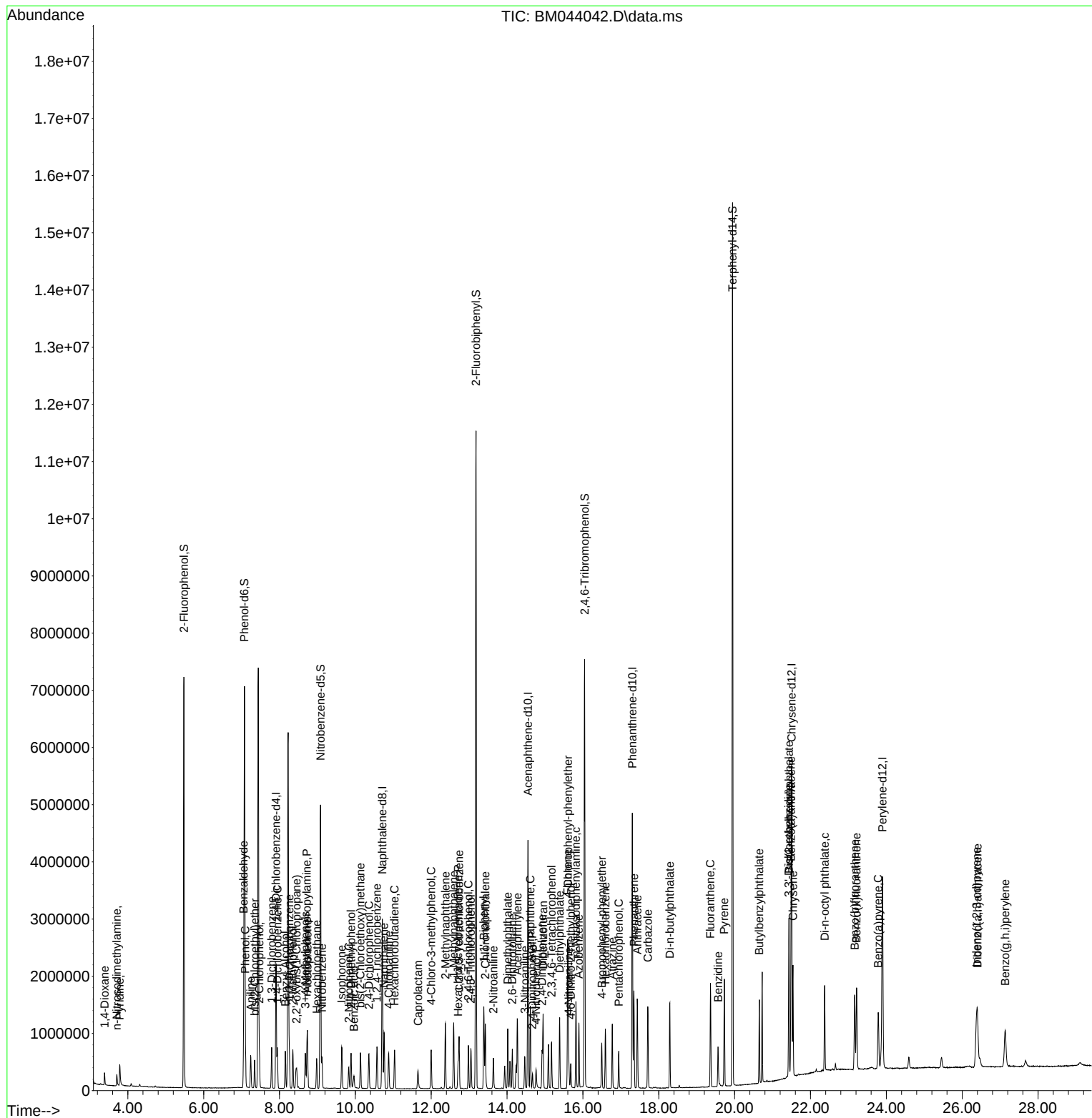
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.045 | 196  | 176945   | 5.492  | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.386 | 154  | 744853   | 6.360  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.427 | 162  | 559237   | 6.028  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.639 | 65   | 148471   | 5.689  | ng    | 90       |
| 49) Acenaphthylene            | 14.274 | 152  | 917309   | 6.628  | ng    | 100      |
| 50) Dimethylphthalate         | 14.015 | 163  | 678006   | 6.161  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.139 | 165  | 133314   | 5.491  | ng    | 90       |
| 52) Acenaphthene              | 14.615 | 154  | 517277   | 6.039  | ng    | 99       |
| 53) 3-Nitroaniline            | 14.468 | 138  | 145913   | 5.592  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.668 | 184  | 49939    | 8.775  | ng    | 96       |
| 55) Dibenzofuran              | 14.951 | 168  | 851951   | 6.426  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.763 | 139  | 106437   | 5.018  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.921 | 165  | 167936   | 5.292  | ng    | 93       |
| 58) Fluorene                  | 15.598 | 166  | 662949   | 6.471  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 154349   | 6.105  | ng    | 99       |
| 60) Diethylphthalate          | 15.386 | 149  | 678003   | 5.962  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 320280   | 6.452  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.627 | 138  | 139772   | 5.322  | ng    | 98       |
| 63) Azobenzene                | 15.892 | 77   | 661154   | 6.197  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.680 | 198  | 73765    | 4.236  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.815 | 169  | 557144   | 6.276  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.498 | 248  | 140981   | 4.880  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.592 | 284  | 210608   | 5.951  | ng    | 98       |
| 69) Atrazine                  | 16.774 | 200  | 180481   | 7.508  | ng    | 99       |
| 70) Pentachlorophenol         | 16.945 | 266  | 105717   | 4.592  | ng    | 99       |
| 71) Phenanthrene              | 17.345 | 178  | 998912   | 6.474  | ng    | 100      |
| 72) Anthracene                | 17.433 | 178  | 970126   | 6.351  | ng    | 99       |
| 73) Carbazole                 | 17.709 | 167  | 902831   | 6.077  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.292 | 149  | 1100578  | 5.699  | ng    | 100      |
| 75) Fluoranthene              | 19.362 | 202  | 1047253  | 6.042  | ng    | 99       |
| 77) Benzidine                 | 19.562 | 184  | 429887   | 11.767 | ng    | 99       |
| 78) Pyrene                    | 19.727 | 202  | 1096272  | 6.055  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.650 | 149  | 415982   | 5.169  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 1008470  | 6.167  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 335099   | 6.246  | ng    | 98       |
| 83) Chrysene                  | 21.539 | 228  | 925701   | 5.992  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.433 | 149  | 646083   | 5.441  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.374 | 149  | 1000632  | 4.825  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.379 | 276  | 1033523  | 5.762  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.168 | 252  | 937944   | 5.920  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.215 | 252  | 894408   | 5.941  | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.785 | 252  | 797265   | 5.761  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.403 | 278  | 880433   | 5.868  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 27.132 | 276  | 842585   | 5.537  | ng    | 100      |

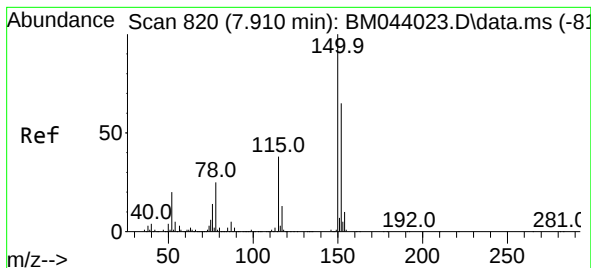
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 09 02:42:01 2024  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.910 min Scan# 81

Delta R.T. 0.000 min

Lab File: BM044042.D

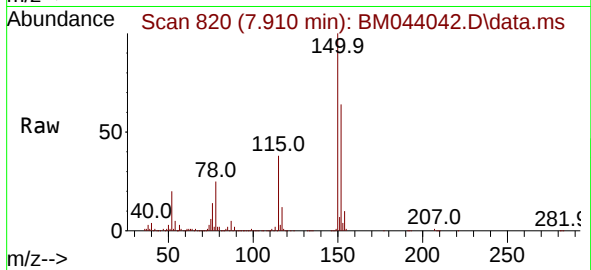
Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



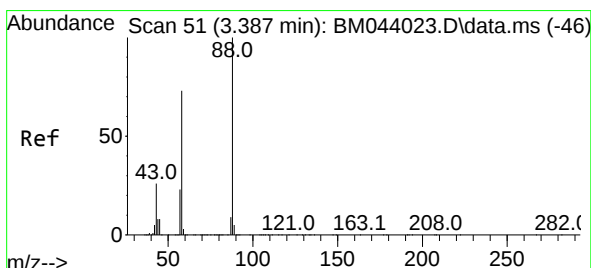
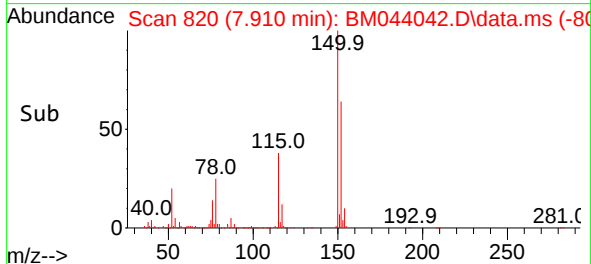
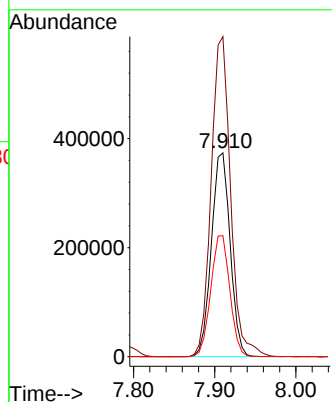
Tgt Ion:152 Resp: 599812

Ion Ratio Lower Upper

152 100

150 156.9 122.7 184.1

115 59.3 47.0 70.6



#2

1,4-Dioxane

Concen: 6.187 ng

RT: 3.387 min Scan# 51

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

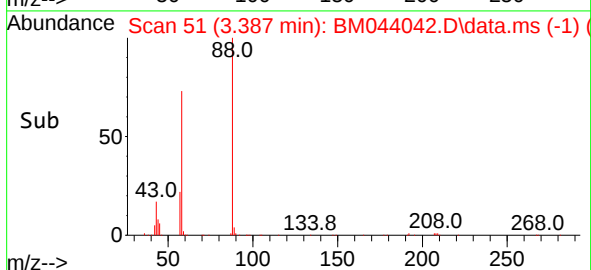
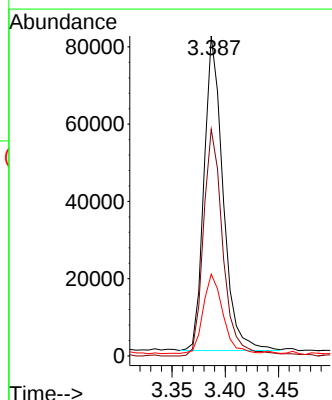
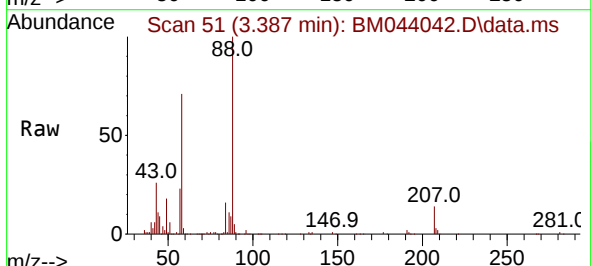
Tgt Ion: 88 Resp: 101258

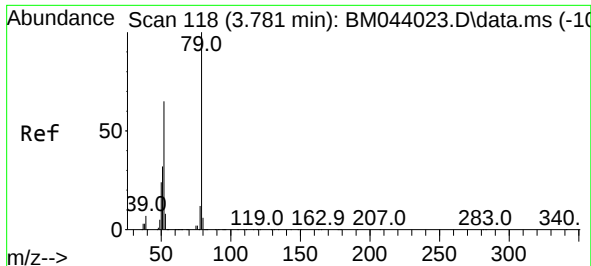
Ion Ratio Lower Upper

88 100

58 74.5 58.1 87.1

43 25.8 21.1 31.7

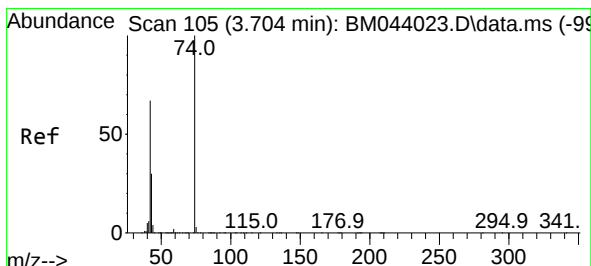
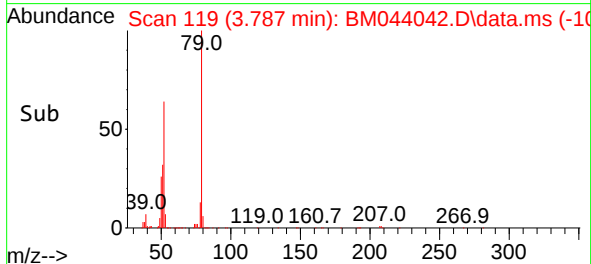
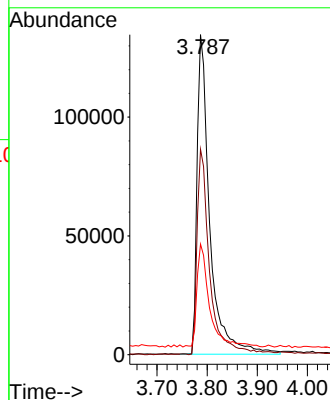
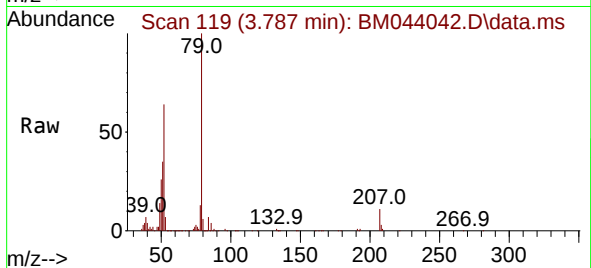




#3  
Pyridine  
Concen: 5.492 ng  
RT: 3.787 min Scan# 118  
Delta R.T. 0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

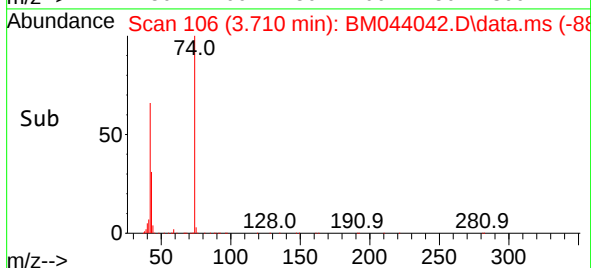
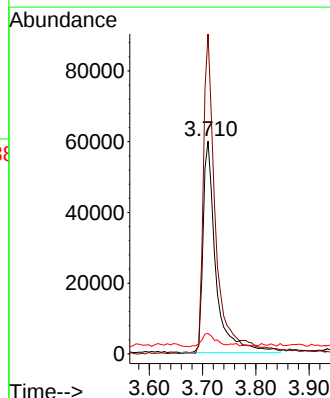
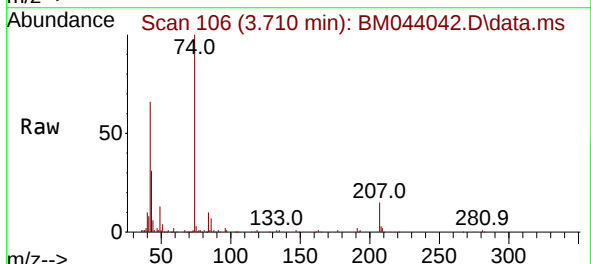
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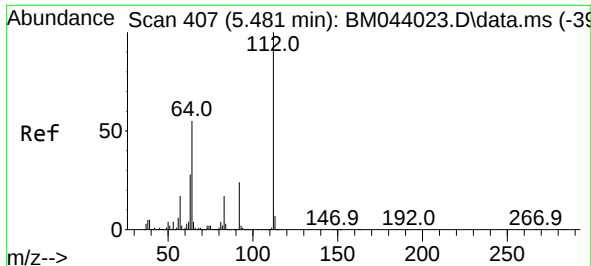
Tgt Ion: 79 Resp: 237292  
Ion Ratio Lower Upper  
79 100  
52 64.2 52.2 78.2  
51 34.5 26.2 39.4



#4  
n-Nitrosodimethylamine  
Concen: 6.069 ng  
RT: 3.710 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 42 Resp: 99493  
Ion Ratio Lower Upper  
42 100  
74 150.4 118.6 178.0  
44 9.6 5.6 8.4

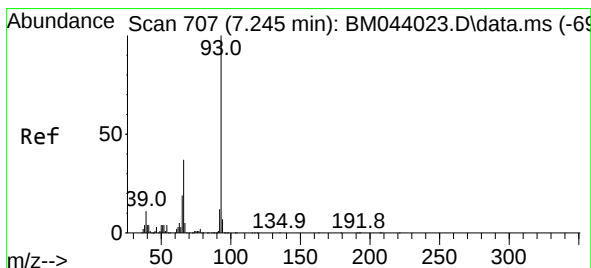
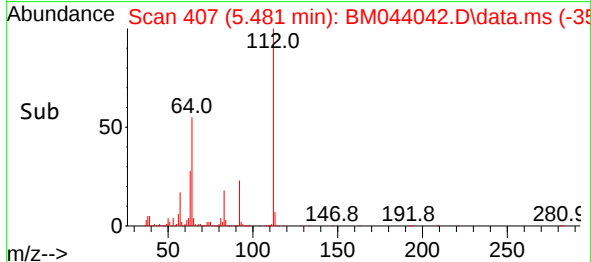
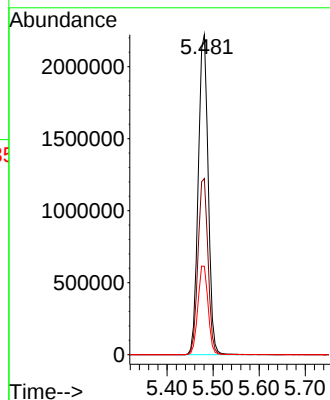
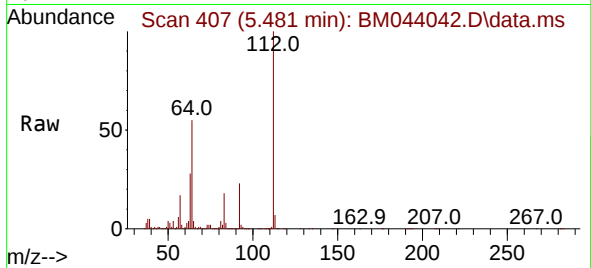




#5  
2-Fluorophenol  
Concen: 80.526 ng  
RT: 5.481 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

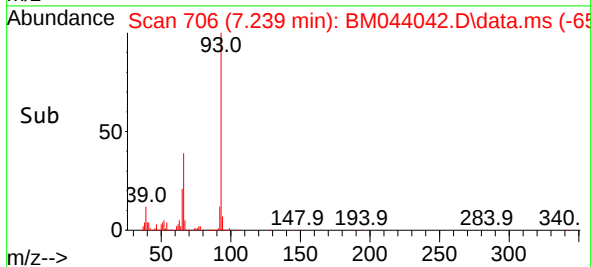
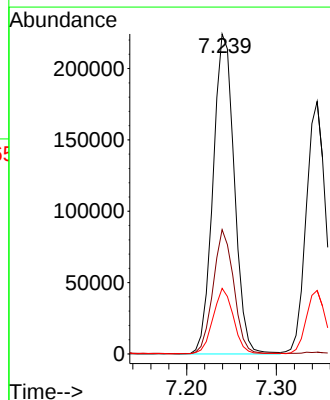
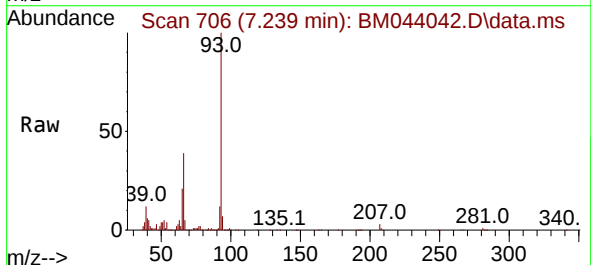
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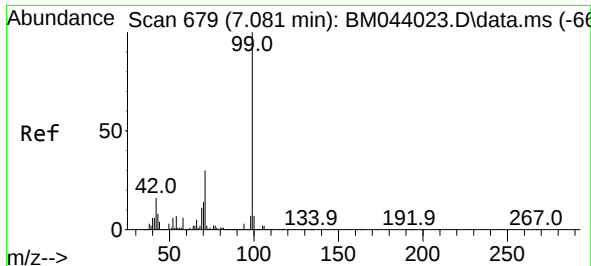
Tgt Ion:112 Resp: 3320920  
Ion Ratio Lower Upper  
112 100  
64 55.0 44.2 66.4  
63 27.6 22.6 34.0



#6  
Aniline  
Concen: 7.153 ng  
RT: 7.239 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 93 Resp: 369057  
Ion Ratio Lower Upper  
93 100  
66 38.8 29.4 44.0  
65 20.5 15.2 22.8

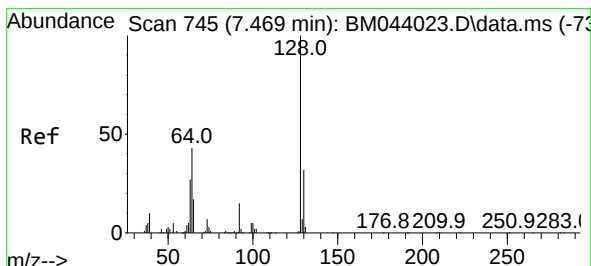
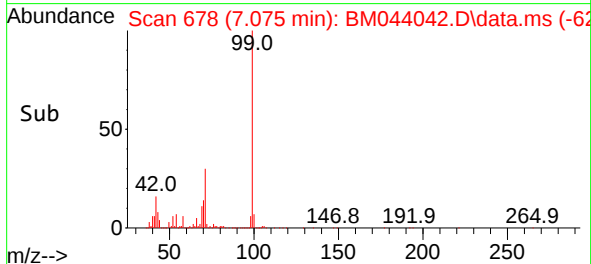
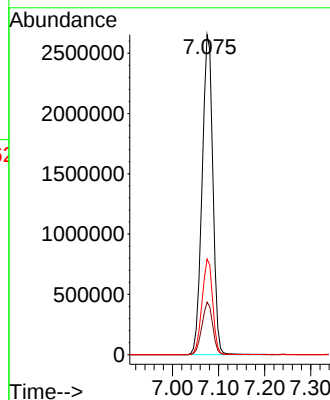
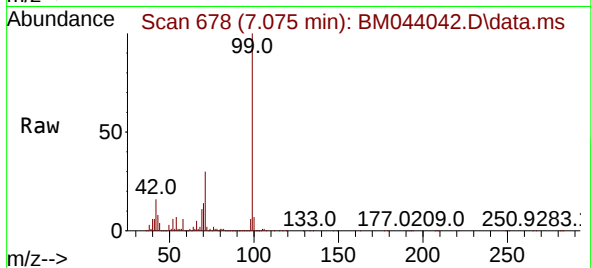




#7  
Phenol-d6  
Concen: 82.506 ng  
RT: 7.075 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
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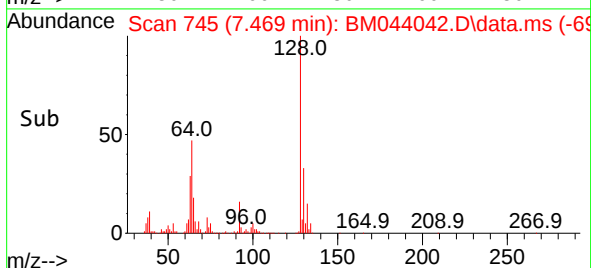
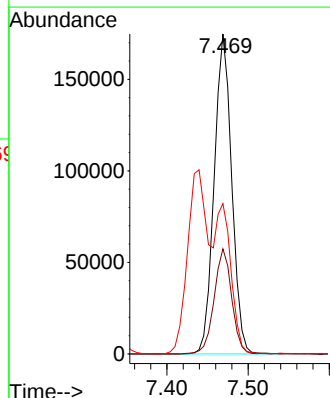
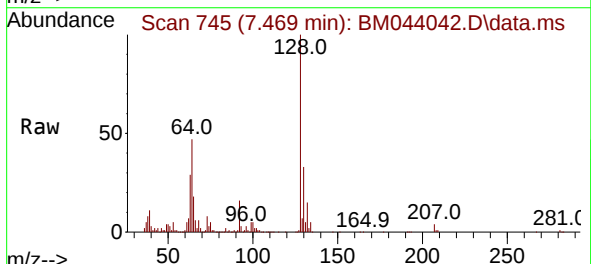
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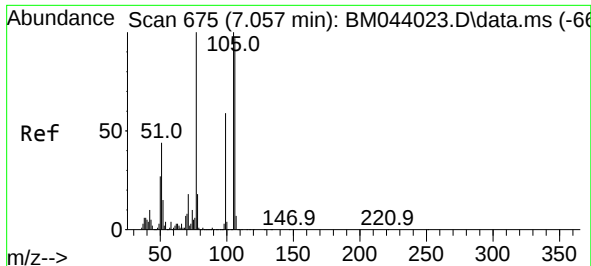
Tgt Ion: 99 Resp: 4329264  
Ion Ratio Lower Upper  
99 100  
42 16.4 12.9 19.3  
71 29.9 23.9 35.9



#8  
2-Chlorophenol  
Concen: 6.094 ng  
RT: 7.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 128 Resp: 262461  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.1 52.1  
64 47.0 26.0 66.0

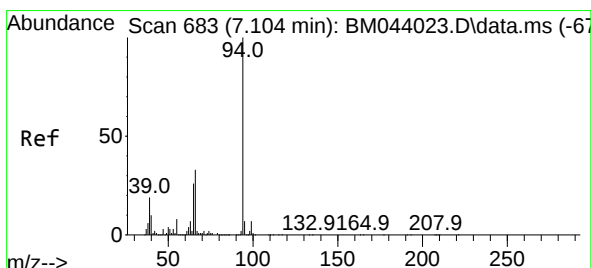
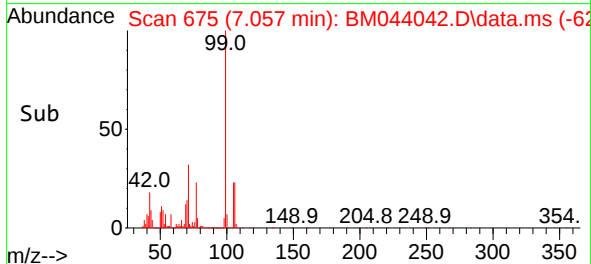
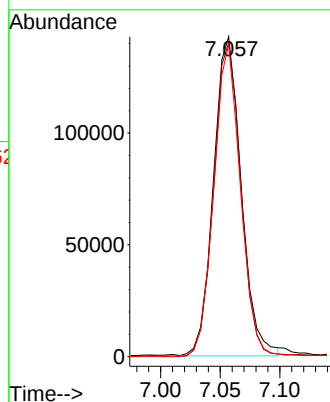
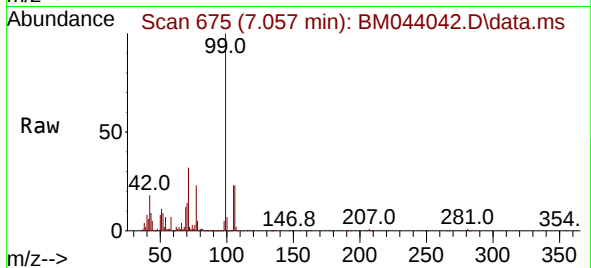




#9  
Benzaldehyde  
Concen: 8.542 ng m  
RT: 7.057 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

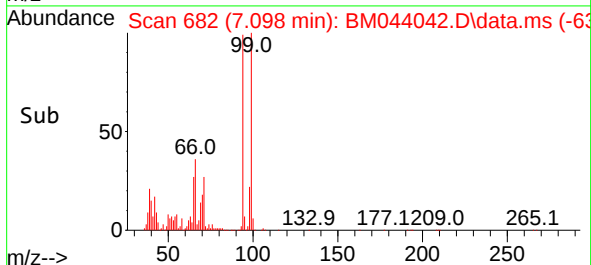
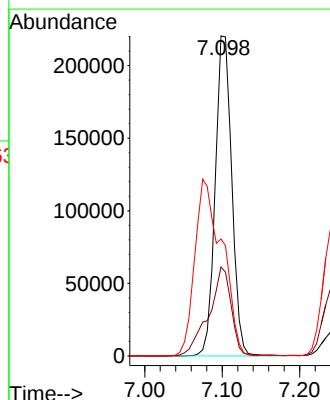
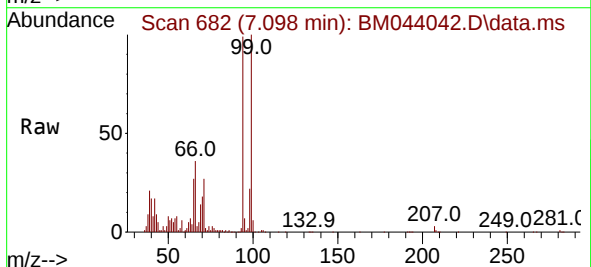
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

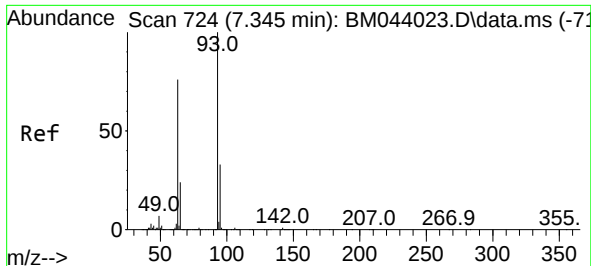
Tgt Ion: 77 Resp: 230327  
Ion Ratio Lower Upper  
77 100  
105 98.2 80.0 120.0  
106 97.5 76.8 116.8



#10  
Phenol  
Concen: 6.184 ng  
RT: 7.098 min Scan# 682  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 94 Resp: 327482  
Ion Ratio Lower Upper  
94 100  
65 27.8 6.4 46.4  
66 36.6 13.2 53.2

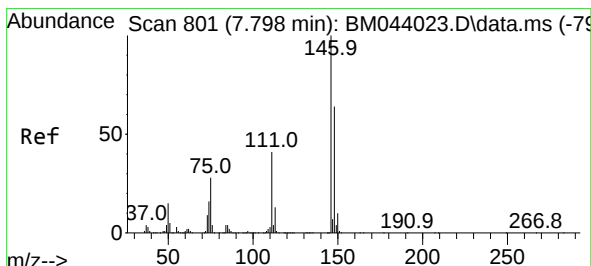
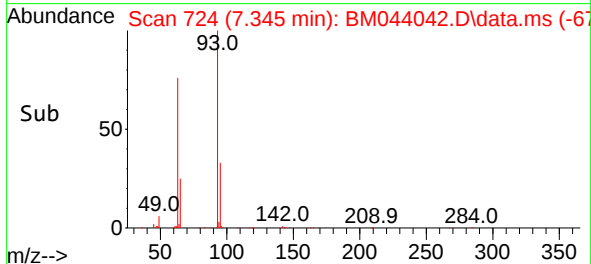
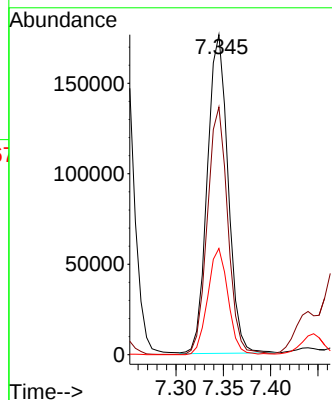
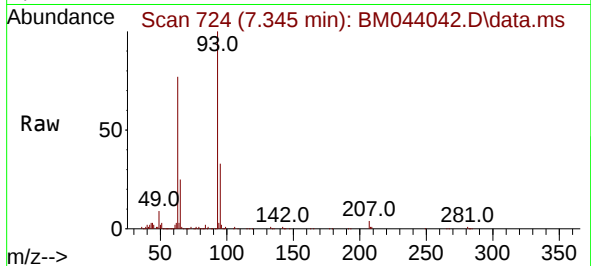




#11  
bis(2-Chloroethyl)ether  
Concen: 6.112 ng  
RT: 7.345 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

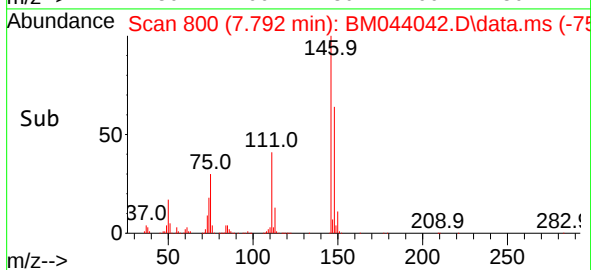
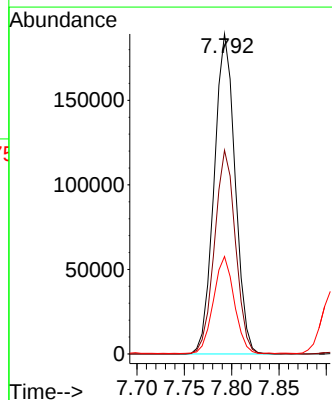
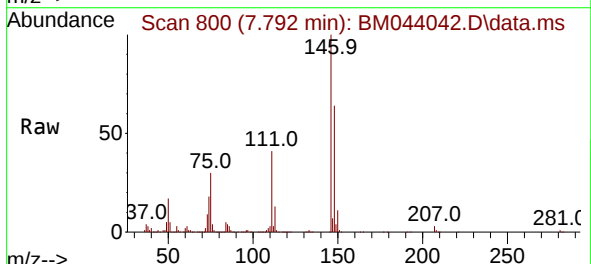
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 93 Resp: 268049  
Ion Ratio Lower Upper  
93 100  
63 77.4 55.9 95.9  
95 33.2 13.0 53.0



#12  
1,3-Dichlorobenzene  
Concen: 5.954 ng  
RT: 7.792 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 146 Resp: 291136  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.3 76.9  
75 30.5 22.7 34.1

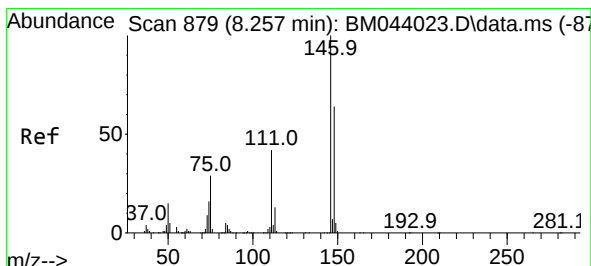
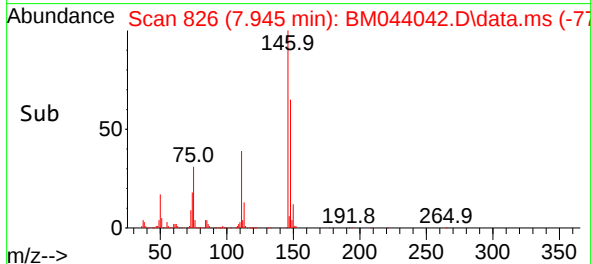
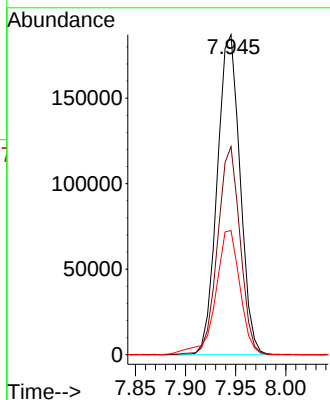
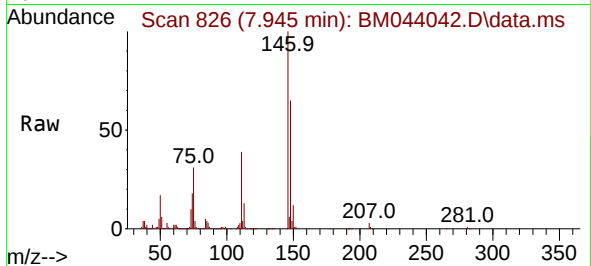




#13  
1,4-Dichlorobenzene  
Concen: 6.000 ng  
RT: 7.945 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

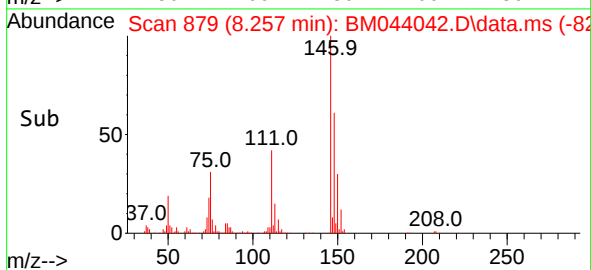
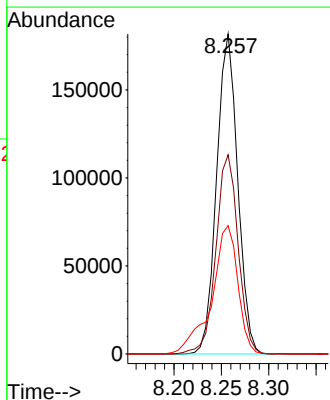
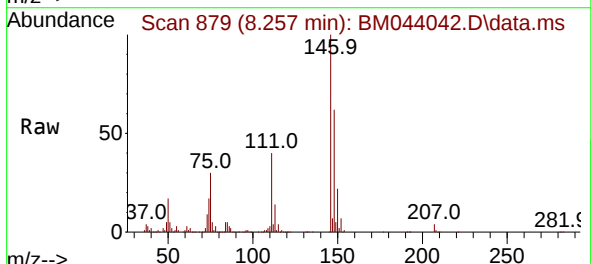
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

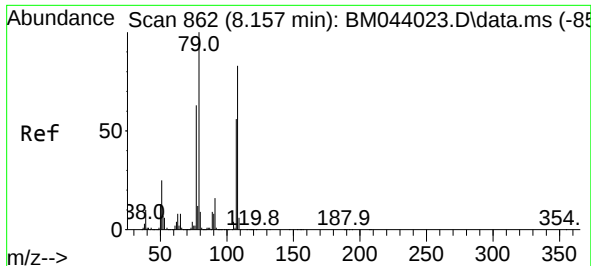
Tgt Ion:146 Resp: 295736  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.2 76.8  
111 38.8 31.2 46.8



#14  
1,2-Dichlorobenzene  
Concen: 5.993 ng  
RT: 8.257 min Scan# 879  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:146 Resp: 281445  
Ion Ratio Lower Upper  
146 100  
148 62.2 51.4 77.2  
111 40.1 33.7 50.5

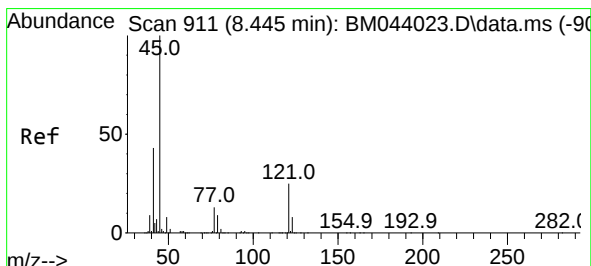
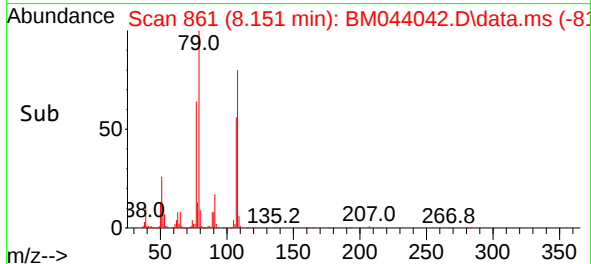
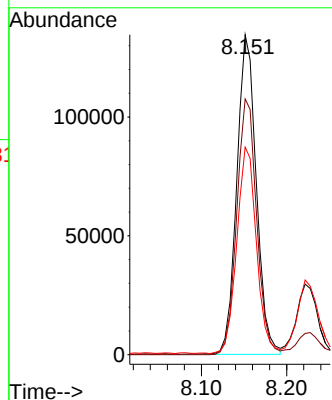
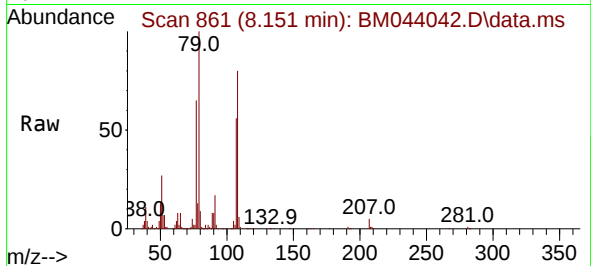




#15  
Benzyl Alcohol  
Concen: 6.261 ng  
RT: 8.151 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

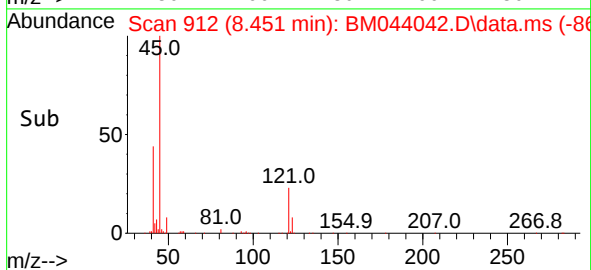
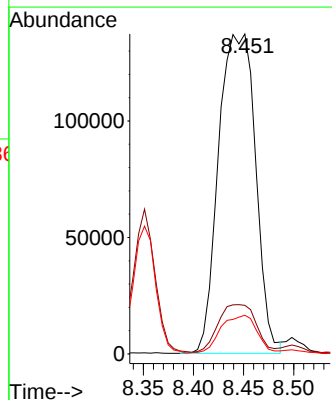
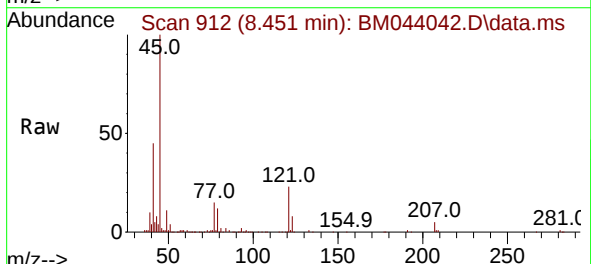
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

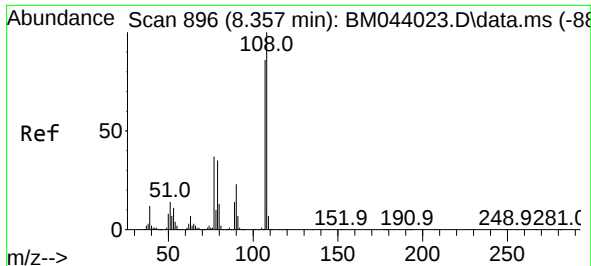
Tgt Ion: 79 Resp: 213892  
Ion Ratio Lower Upper  
79 100  
108 79.9 66.0 99.0  
77 64.8 50.4 75.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 6.335 ng  
RT: 8.451 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 45 Resp: 352158  
Ion Ratio Lower Upper  
45 100  
77 15.2 0.0 35.1  
79 12.1 0.0 31.5

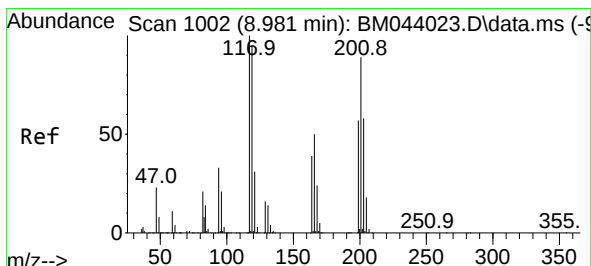
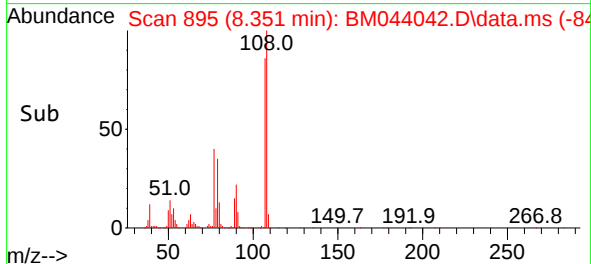
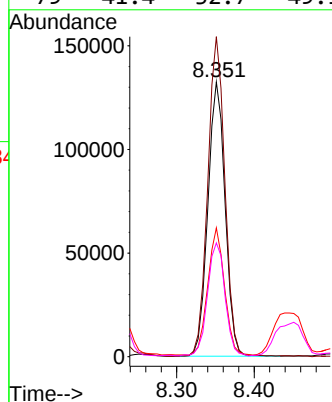
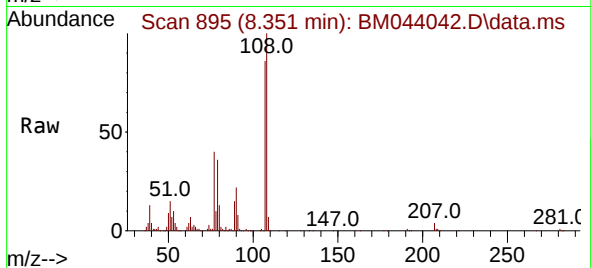




#17  
2-Methylphenol  
Concen: 5.881 ng  
RT: 8.351 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

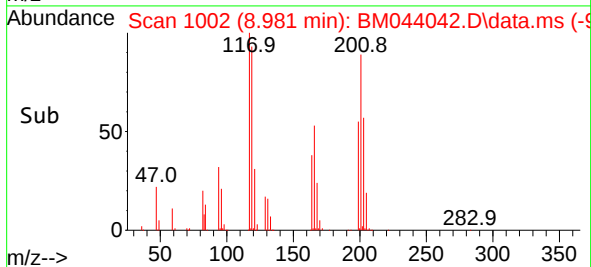
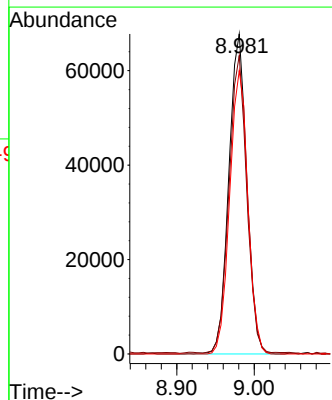
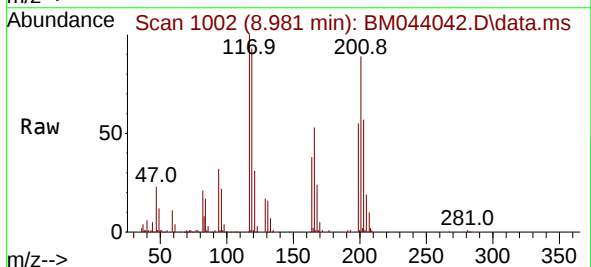
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

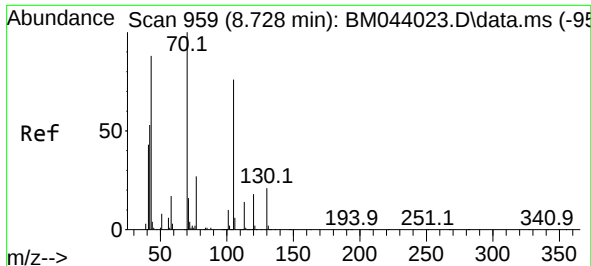
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 204444 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 116.5 | 93.4  | 140.2  |
| 77       | 46.9  | 34.7  | 52.1   |
| 79       | 41.4  | 32.7  | 49.1   |



#18  
Hexachloroethane  
Concen: 5.957 ng  
RT: 8.981 min Scan# 1002  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 109924 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.2  | 75.7  | 113.5  |
| 201      | 88.6  | 71.5  | 107.3  |

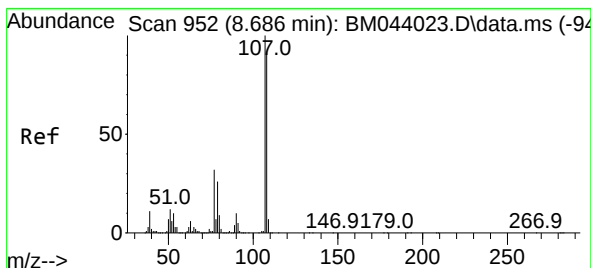
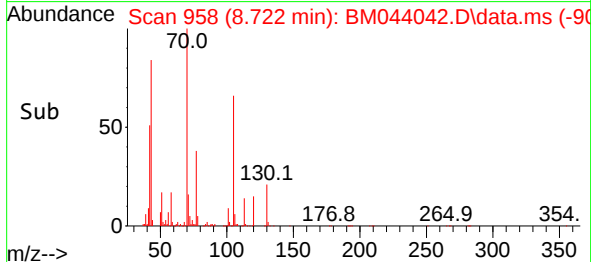
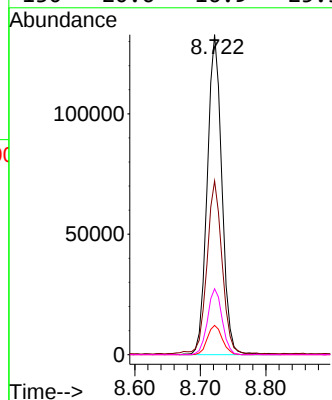
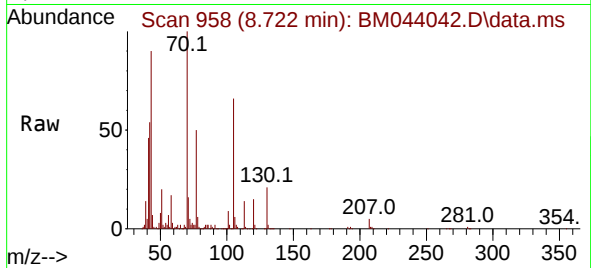




#19  
n-Nitroso-di-n-propylamine  
Concen: 6.403 ng  
RT: 8.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

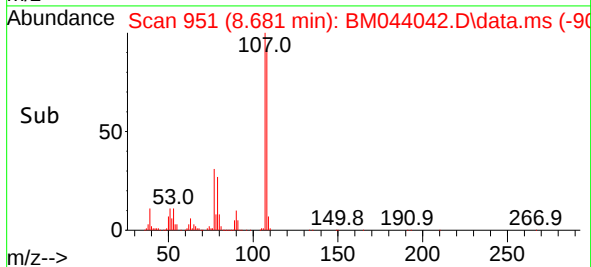
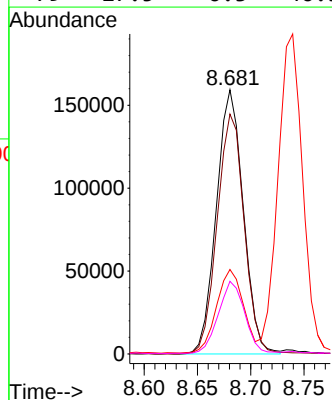
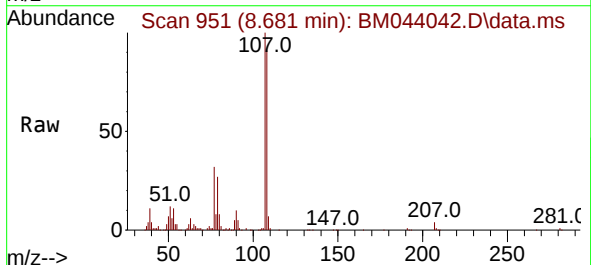
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

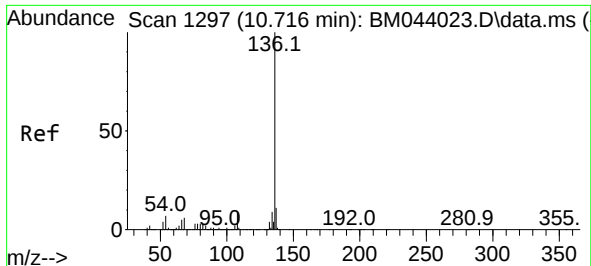
Tgt Ion: 70 Resp: 206321  
Ion Ratio Lower Upper  
70 100  
42 54.3 42.6 64.0  
101 9.1 7.8 11.6  
130 20.6 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 5.853 ng  
RT: 8.681 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 107 Resp: 280010  
Ion Ratio Lower Upper  
107 100  
108 90.8 71.5 111.5  
77 32.0 11.8 51.8  
79 27.5 6.3 46.3

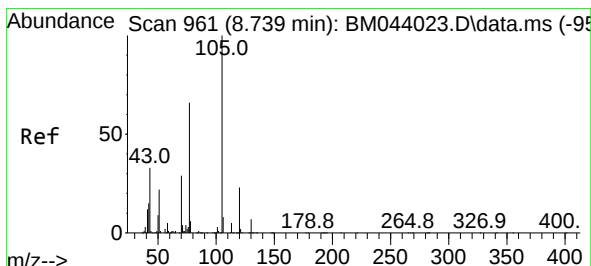
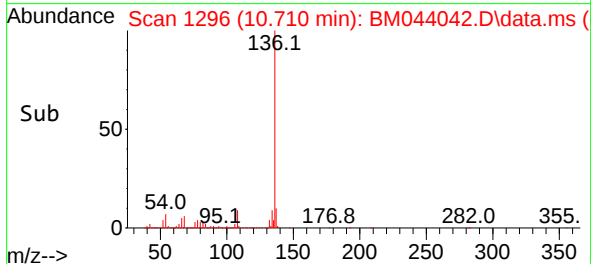
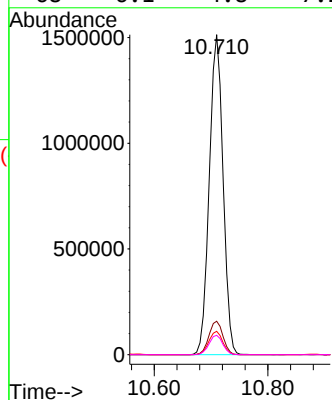
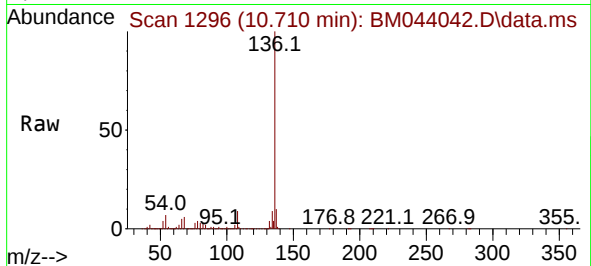




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.710 min Scan# 1296  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

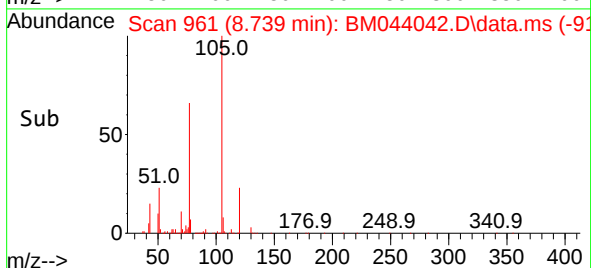
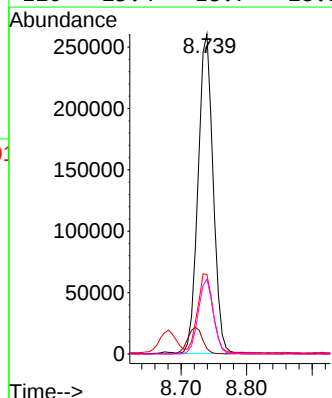
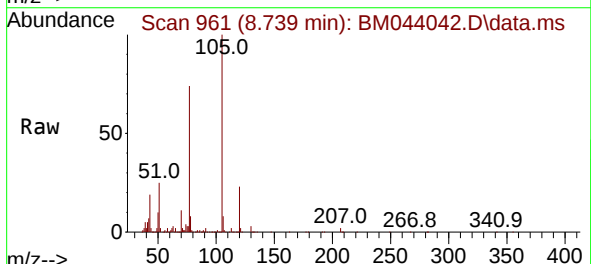
Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

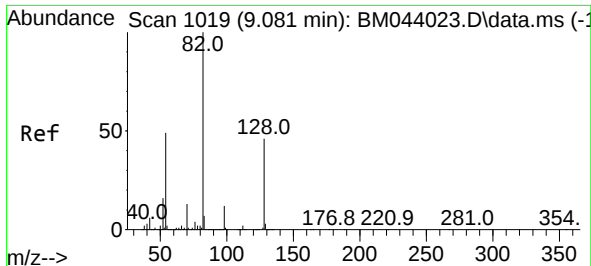
Tgt Ion:136 Resp: 2532633  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.9 13.3  
54 7.3 5.9 8.9  
68 6.1 4.8 7.2



#22  
Acetophenone  
Concen: 6.471 ng  
RT: 8.739 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:105 Resp: 415986  
Ion Ratio Lower Upper  
105 100  
71 1.7 4.0 6.0#  
51 24.8 20.1 30.1  
120 23.4 18.7 28.1

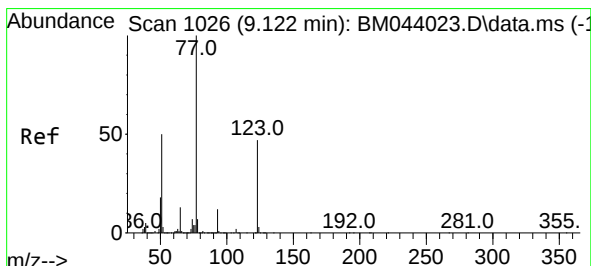
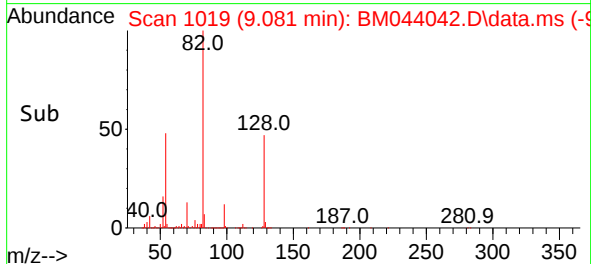
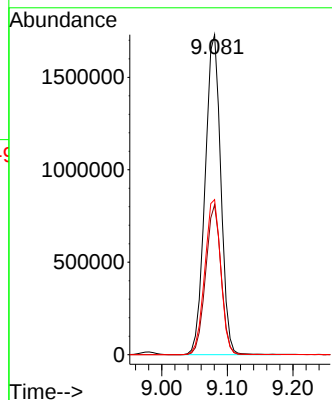
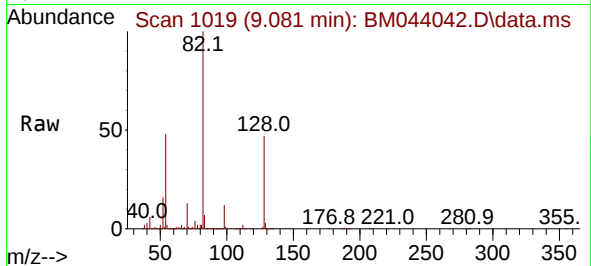




#23  
Nitrobenzene-d5  
Concen: 60.497 ng  
RT: 9.081 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

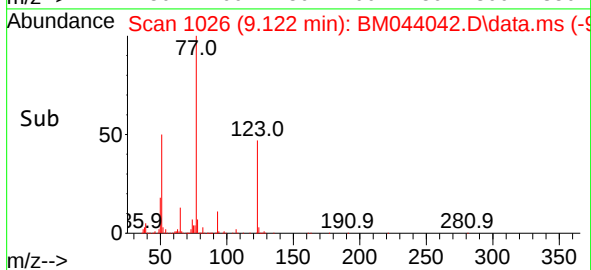
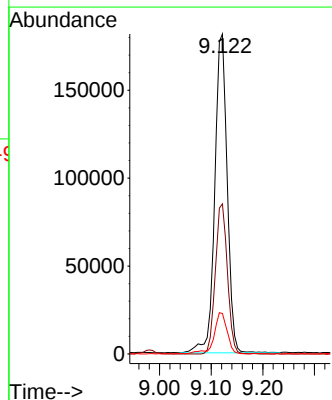
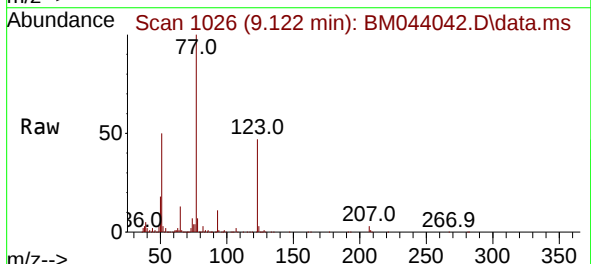
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

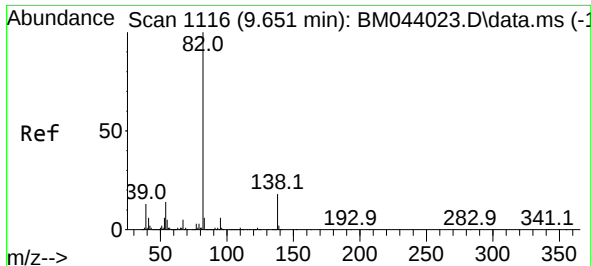
Tgt Ion: 82 Resp: 2887397  
Ion Ratio Lower Upper  
82 100  
128 46.9 37.1 55.7  
54 48.4 38.9 58.3



#24  
Nitrobenzene  
Concen: 6.202 ng  
RT: 9.122 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 77 Resp: 303140  
Ion Ratio Lower Upper  
77 100  
123 46.9 37.8 56.8  
65 12.6 10.5 15.7

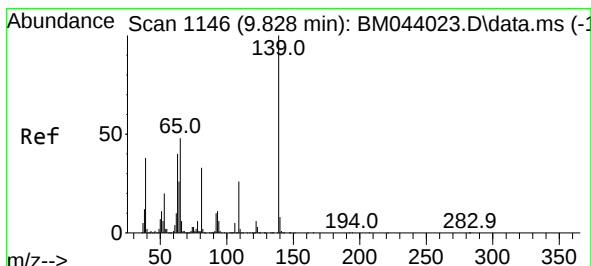
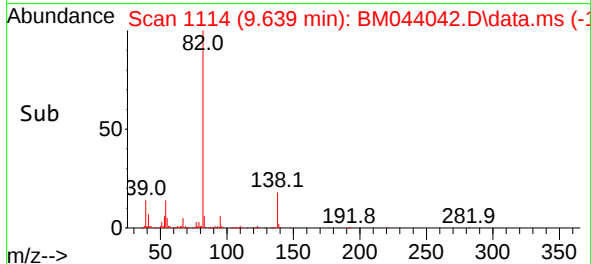
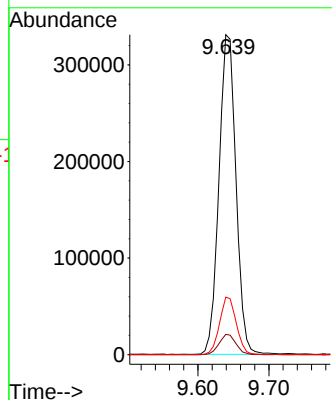
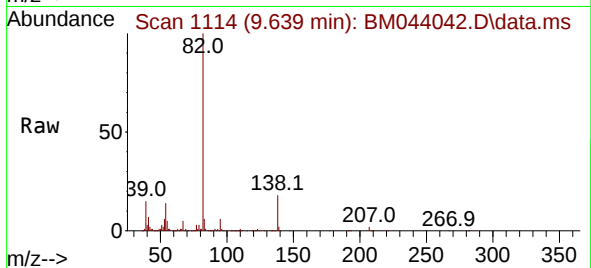




#25  
Isophorone  
Concen: 5.977 ng  
RT: 9.639 min Scan# 1114  
Delta R.T. -0.012 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

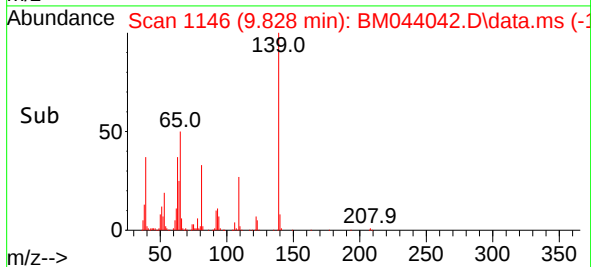
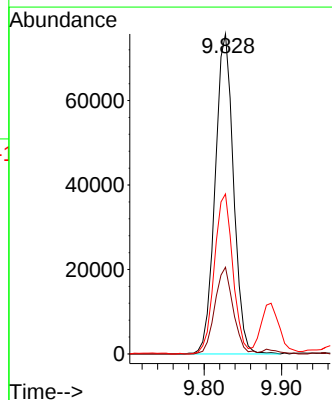
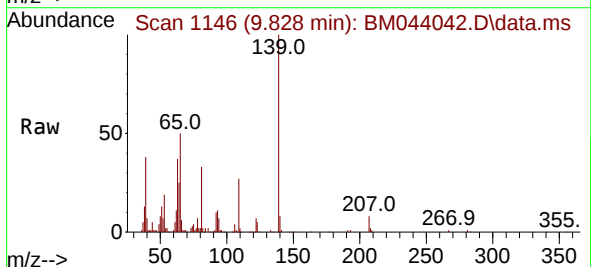
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

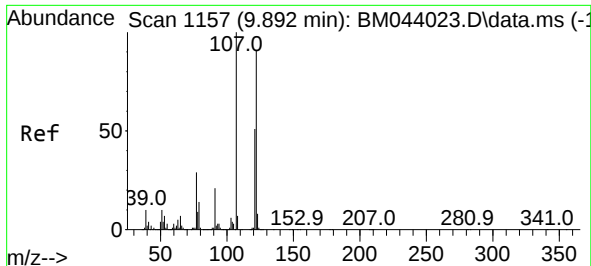
Tgt Ion: 82 Resp: 549327  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.2 7.8  
138 18.0 14.3 21.5



#26  
2-Nitrophenol  
Concen: 5.500 ng  
RT: 9.828 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:139 Resp: 124637  
Ion Ratio Lower Upper  
139 100  
109 27.1 21.2 31.8  
65 50.0 38.5 57.7

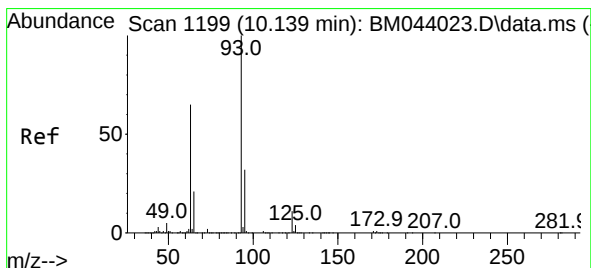
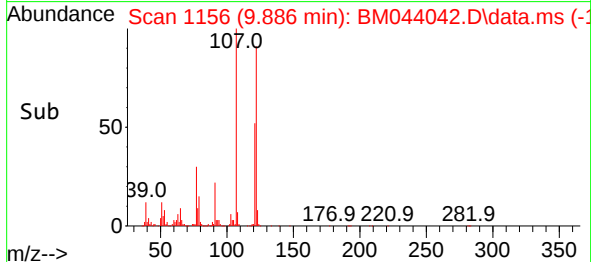
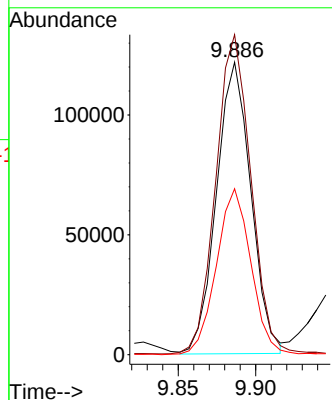
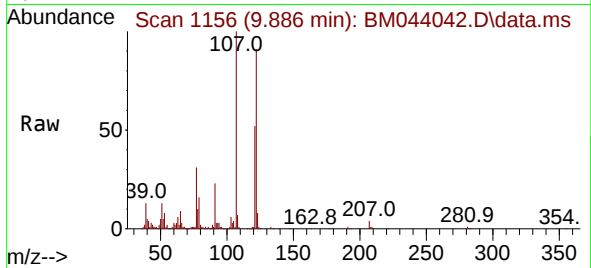




#27  
2,4-Dimethylphenol  
Concen: 6.490 ng  
RT: 9.886 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

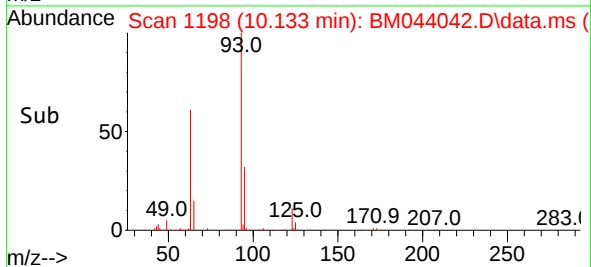
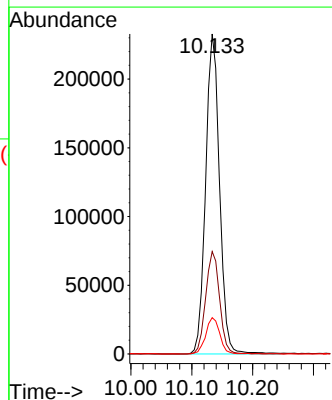
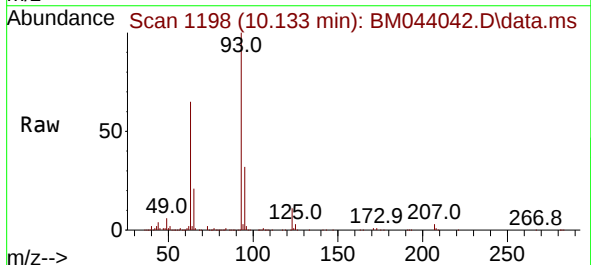
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

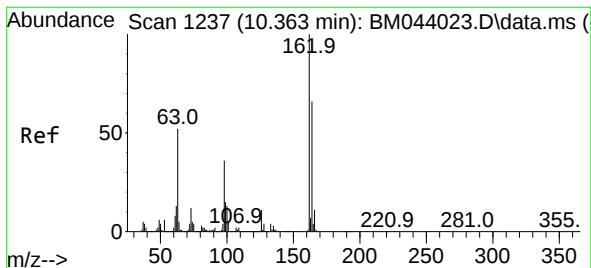
Tgt Ion:122 Resp: 188035  
Ion Ratio Lower Upper  
122 100  
107 109.4 87.8 131.8  
121 56.7 44.7 67.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 6.199 ng  
RT: 10.133 min Scan# 1198  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 93 Resp: 368441  
Ion Ratio Lower Upper  
93 100  
95 32.0 26.0 39.0  
123 11.4 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 5.882 ng

RT: 10.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

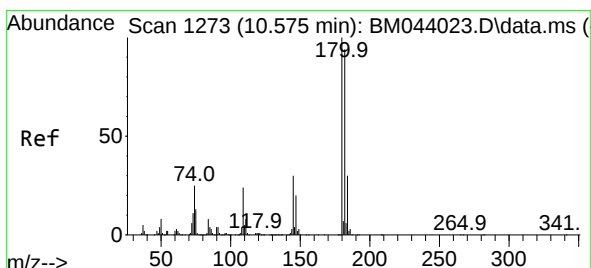
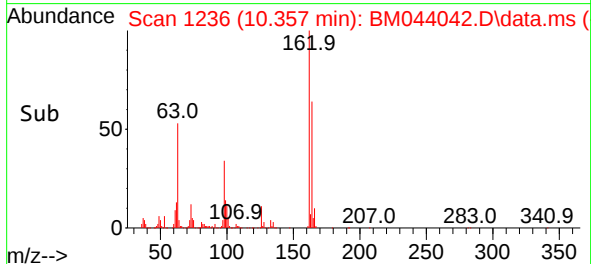
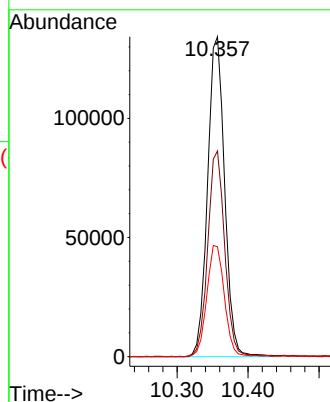
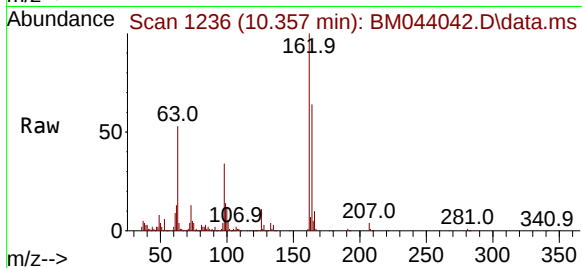
Tgt Ion:162 Resp: 224376

Ion Ratio Lower Upper

162 100

164 64.3 46.1 86.1

98 34.3 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 5.890 ng

RT: 10.569 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

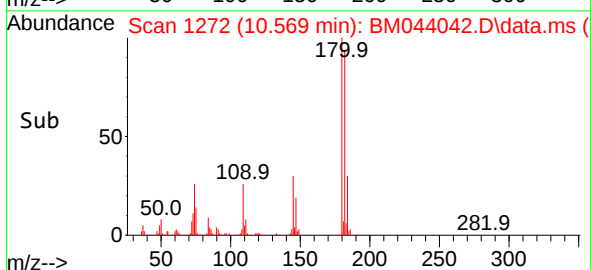
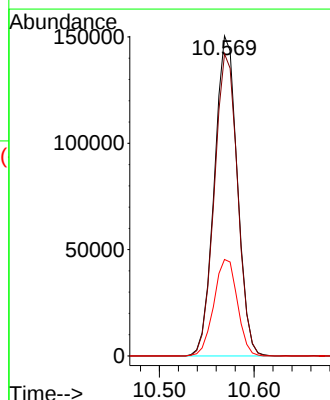
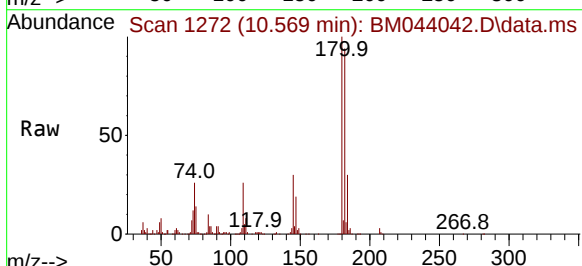
Tgt Ion:180 Resp: 252660

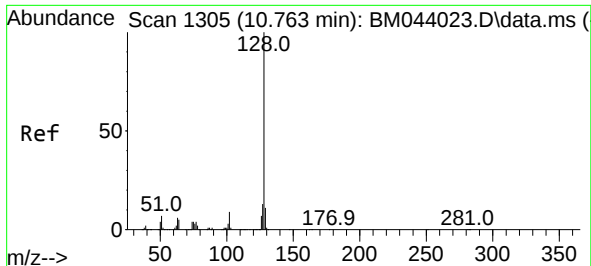
Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 30.2 24.3 36.5

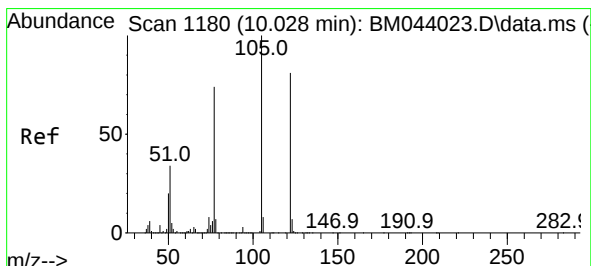
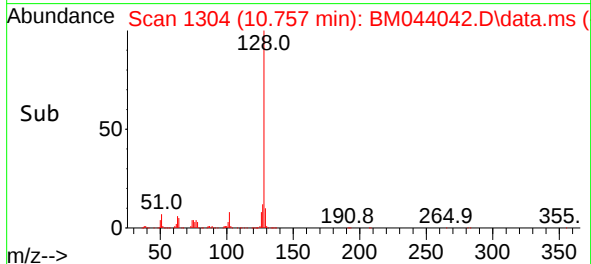
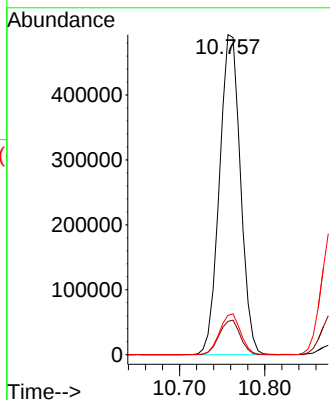
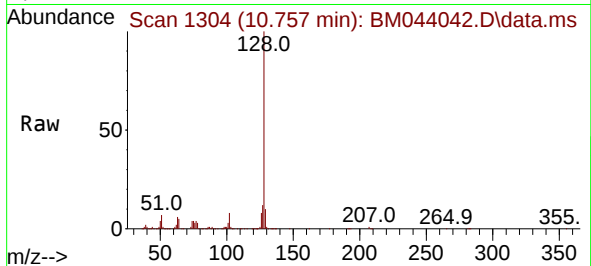




#31  
Naphthalene  
Concen: 6.051 ng  
RT: 10.757 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

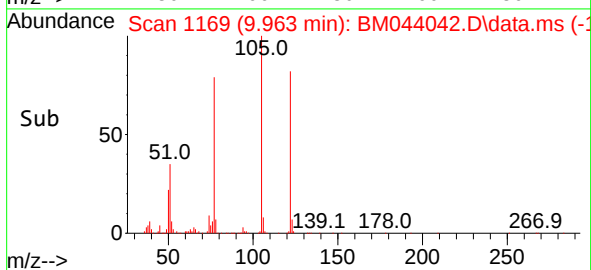
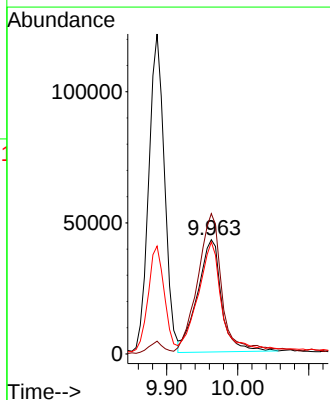
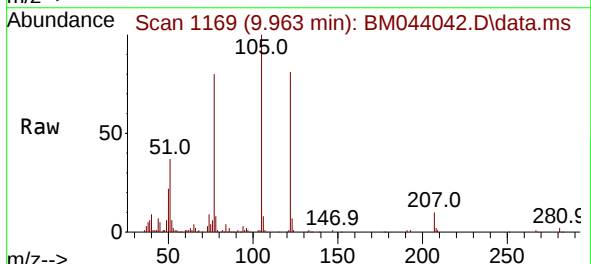
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

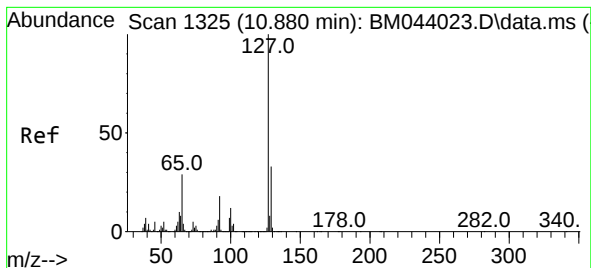
Tgt Ion:128 Resp: 845872  
Ion Ratio Lower Upper  
128 100  
129 10.4 9.0 13.4  
127 12.3 10.3 15.5



#32  
Benzoic acid  
Concen: 3.446 ng  
RT: 9.963 min Scan# 1169  
Delta R.T. -0.065 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:122 Resp: 100576  
Ion Ratio Lower Upper  
122 100  
105 122.7 100.1 140.1  
77 98.0 69.6 109.6





#33

4-Chloroaniline

Concen: 6.344 ng

RT: 10.880 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:127 Resp: 335784

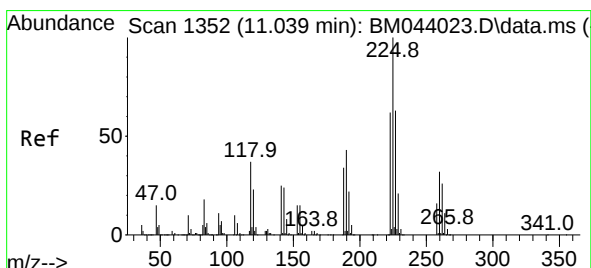
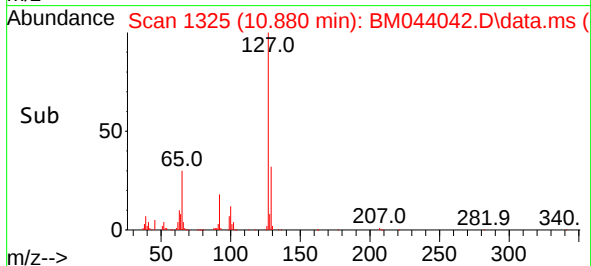
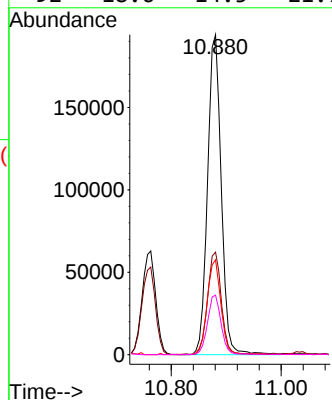
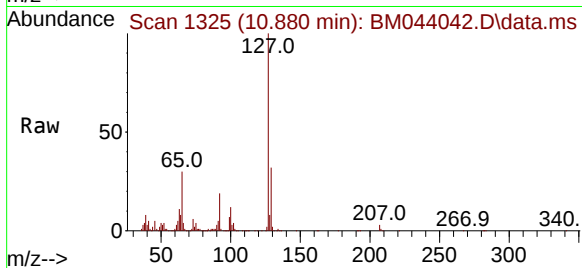
Ion Ratio Lower Upper

127 100

129 32.0 26.0 39.0

65 29.6 23.0 34.6

92 18.6 14.5 21.7



#34

Hexachlorobutadiene

Concen: 5.732 ng

RT: 11.033 min Scan# 1351

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

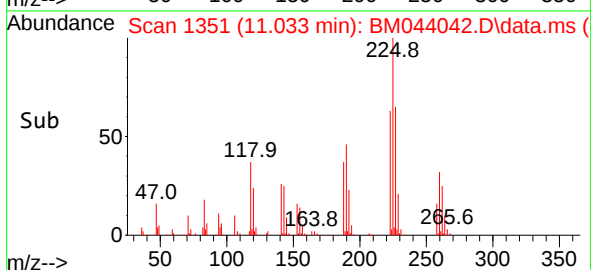
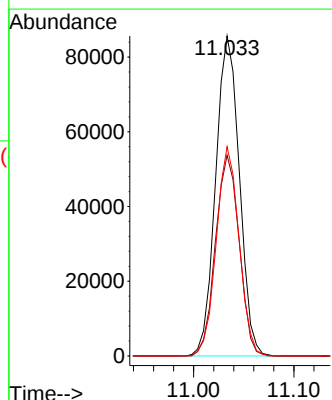
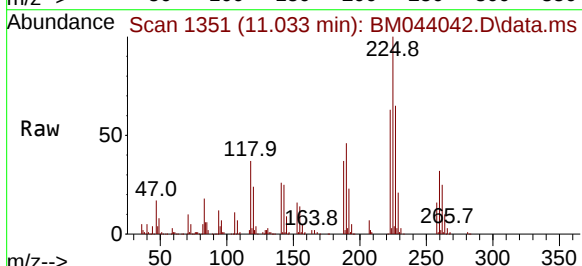
Tgt Ion:225 Resp: 140738

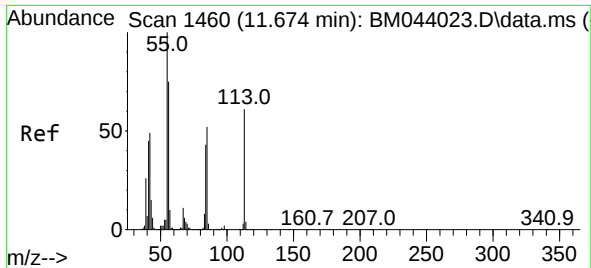
Ion Ratio Lower Upper

225 100

223 62.7 49.9 74.9

227 65.4 50.6 76.0

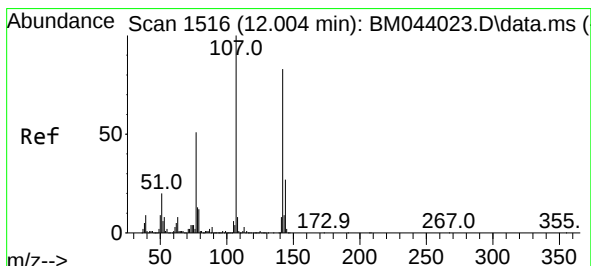
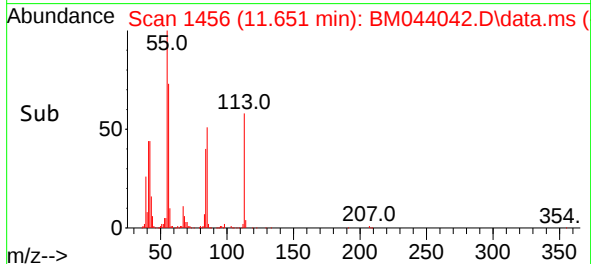
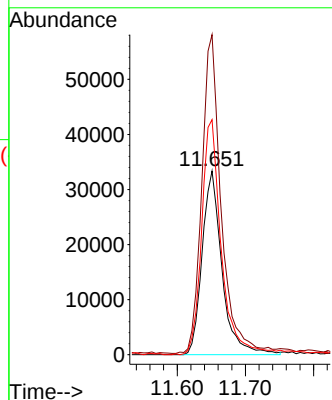
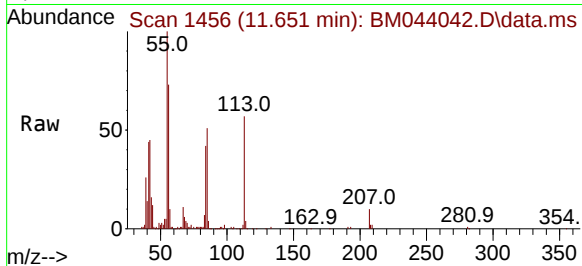




#35  
Caprolactam  
Concen: 5.508 ng  
RT: 11.651 min Scan# 1460  
Delta R.T. -0.024 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

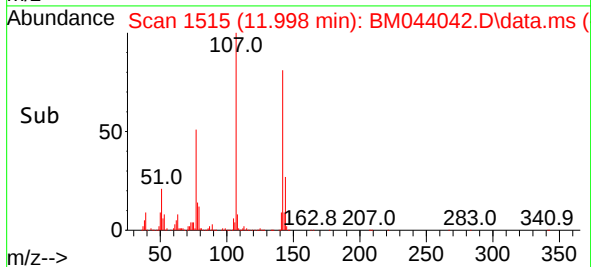
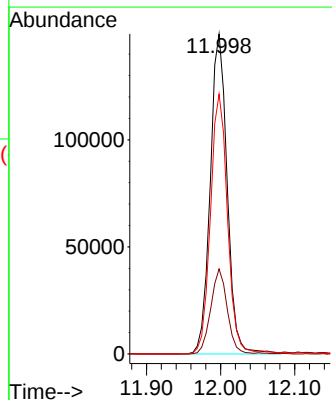
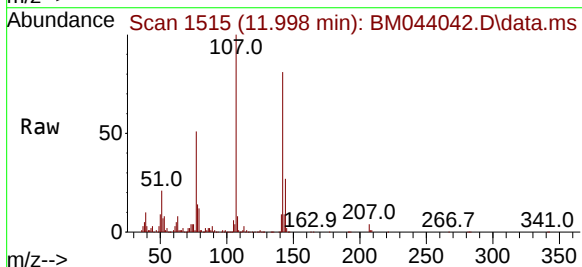
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

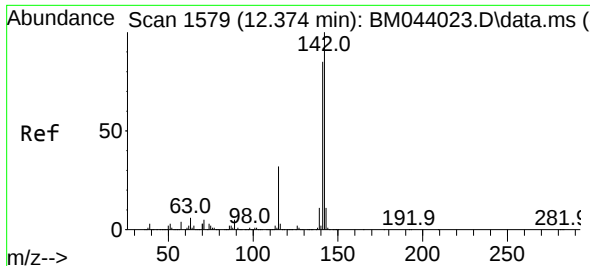
Tgt Ion:113 Resp: 67613  
Ion Ratio Lower Upper  
113 100  
55 174.1 145.6 185.6  
56 127.9 103.3 143.3



#36  
4-Chloro-3-methylphenol  
Concen: 5.758 ng  
RT: 11.998 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:107 Resp: 237867  
Ion Ratio Lower Upper  
107 100  
144 26.6 21.3 31.9  
142 81.2 66.2 99.4

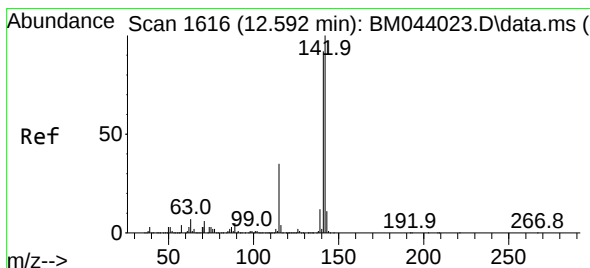
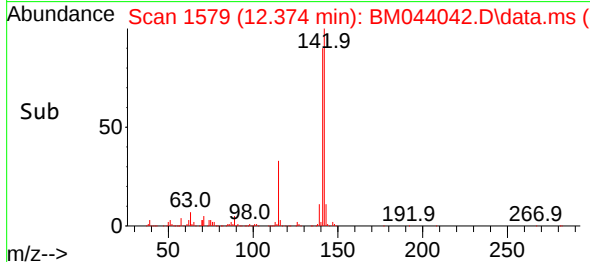
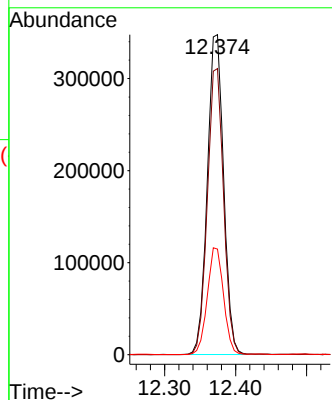
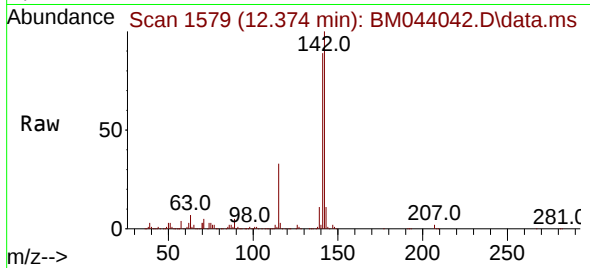




#37  
2-Methylnaphthalene  
Concen: 5.963 ng  
RT: 12.374 min Scan# 1579  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

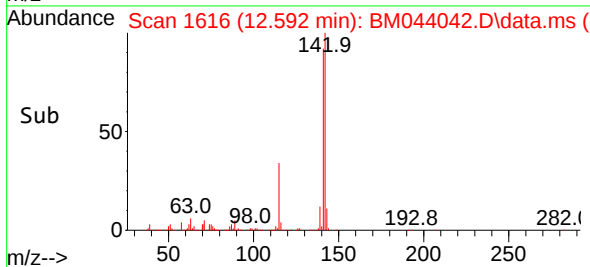
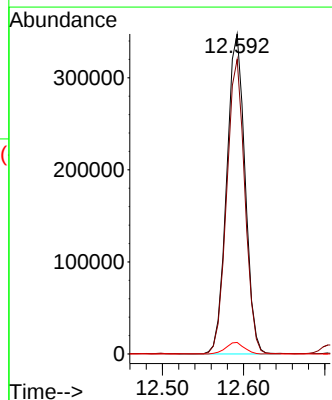
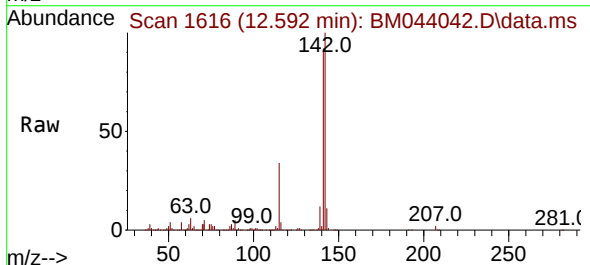
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

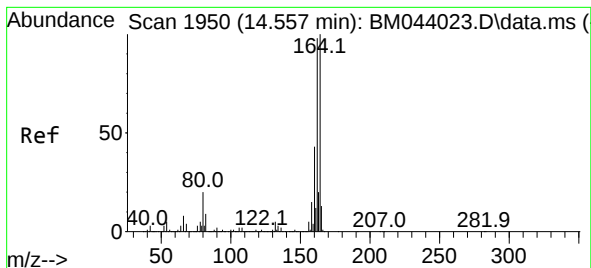
Tgt Ion:142 Resp: 555181  
Ion Ratio Lower Upper  
142 100  
141 89.4 68.3 102.5  
115 33.0 25.7 38.5



#38  
1-Methylnaphthalene  
Concen: 5.969 ng  
RT: 12.592 min Scan# 1616  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:142 Resp: 546125  
Ion Ratio Lower Upper  
142 100  
141 92.0 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: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

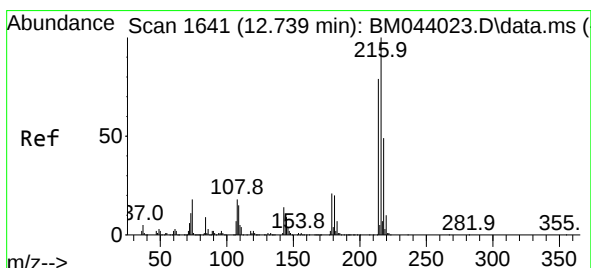
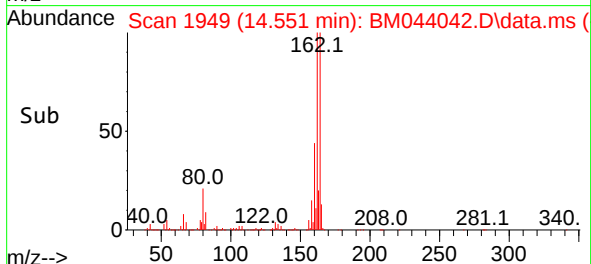
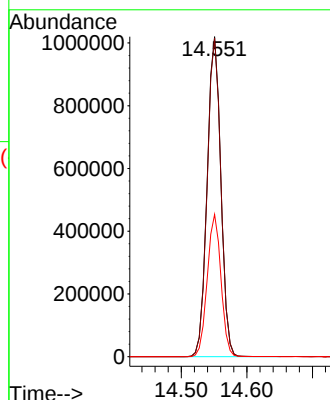
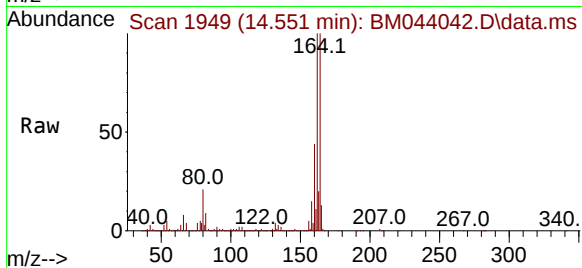
Tgt Ion:164 Resp: 1484142

Ion Ratio Lower Upper

164 100

162 99.6 78.4 117.6

160 44.5 34.6 51.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.167 ng

RT: 12.733 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Tgt Ion:216 Resp: 266028

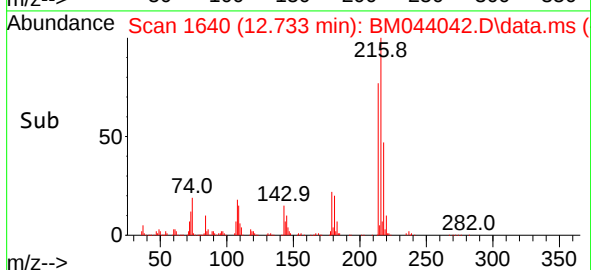
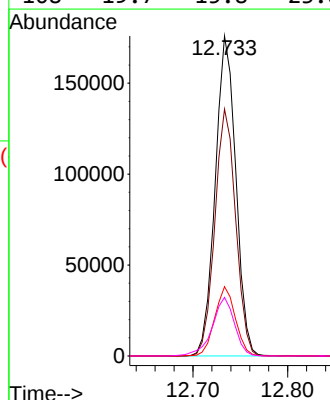
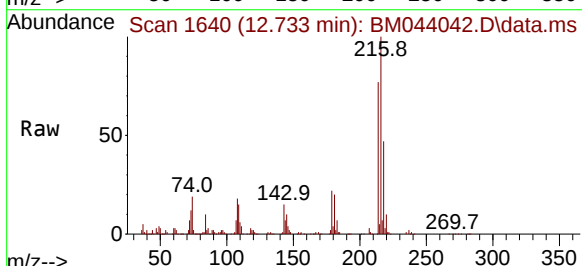
Ion Ratio Lower Upper

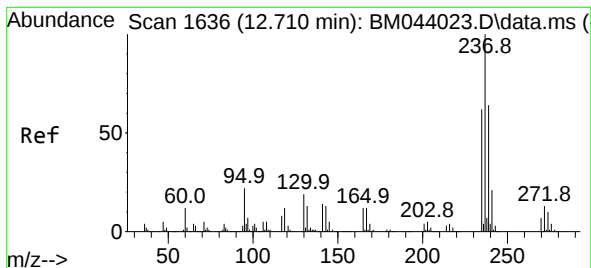
216 100

214 77.8 63.1 94.7

179 21.6 17.0 25.6

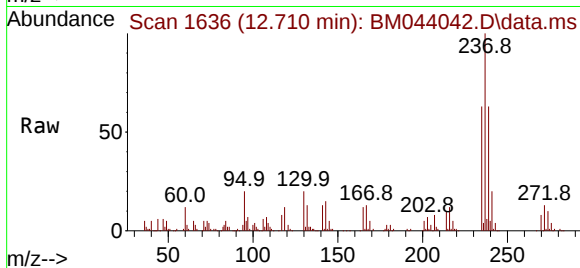
108 19.7 15.8 23.8



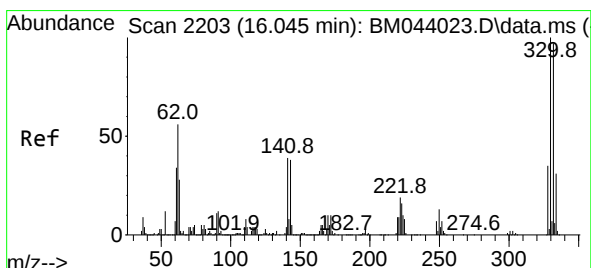
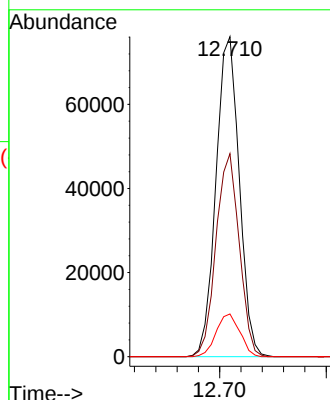
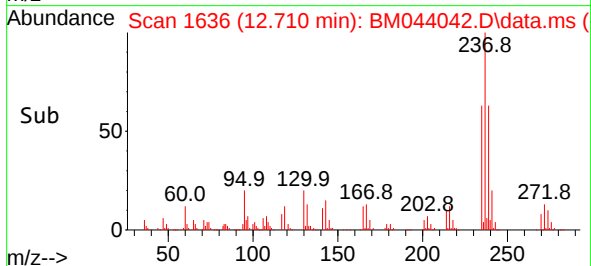


#41  
Hexachlorocyclopentadiene  
Concen: 6.125 ng  
RT: 12.710 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

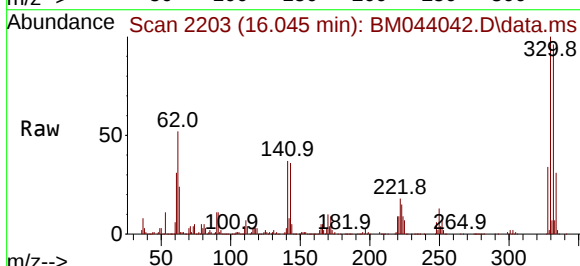
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024



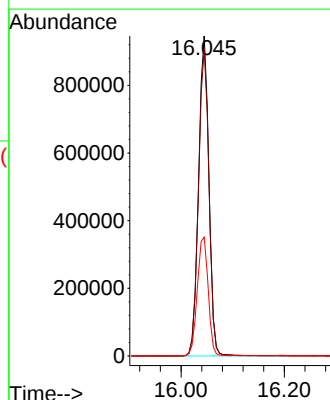
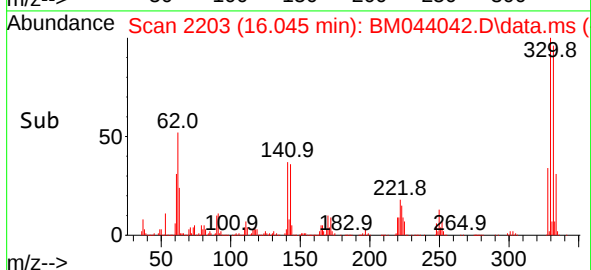
Tgt Ion:237 Resp: 115319  
Ion Ratio Lower Upper  
237 100  
235 63.5 42.4 82.4  
272 13.4 0.0 33.3

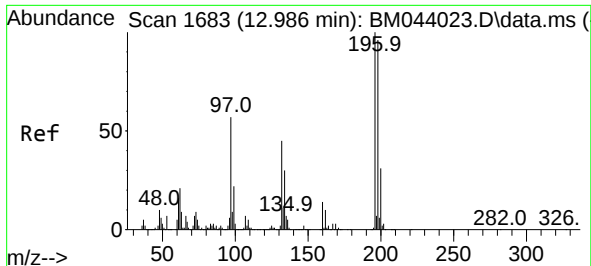


#42  
2,4,6-Tribromophenol  
Concen: 82.280 ng  
RT: 16.045 min Scan# 2203  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42



Tgt Ion:330 Resp: 1322181  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.7 116.5  
141 38.8 31.0 46.4

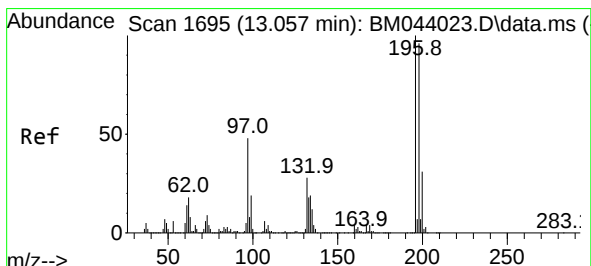
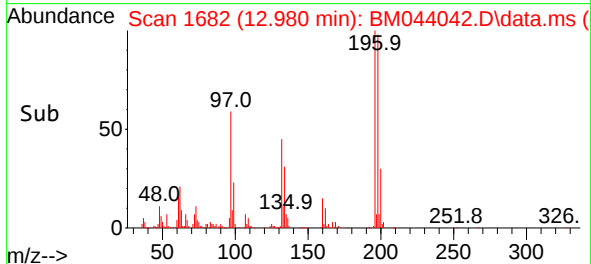
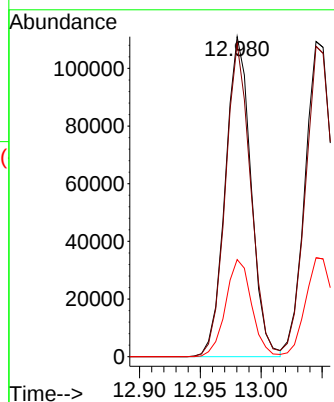
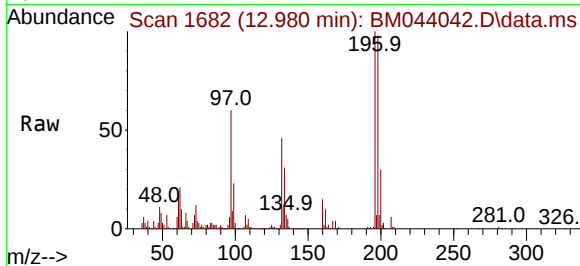




#43  
2,4,6-Trichlorophenol  
Concen: 5.555 ng  
RT: 12.980 min Scan# 1682  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

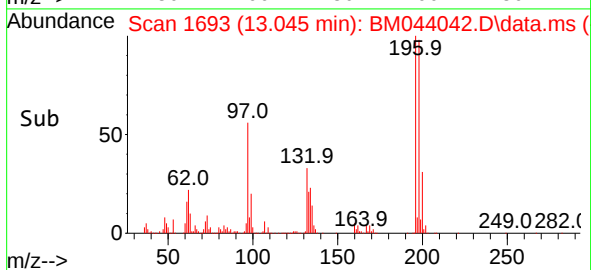
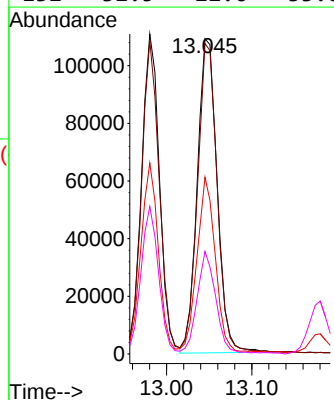
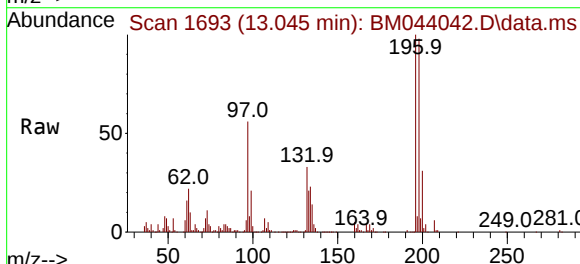
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

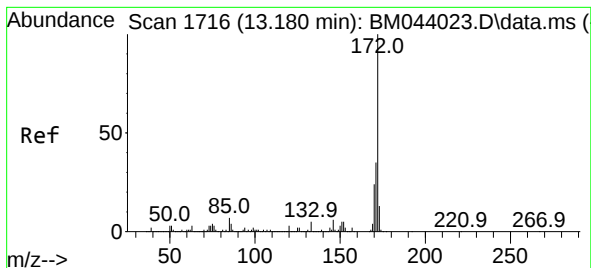
Tgt Ion:196 Resp: 163083  
Ion Ratio Lower Upper  
196 100  
198 97.9 76.8 115.2  
200 30.4 24.6 37.0



#44  
2,4,5-Trichlorophenol  
Concen: 5.492 ng  
RT: 13.045 min Scan# 1693  
Delta R.T. -0.012 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:196 Resp: 176945  
Ion Ratio Lower Upper  
196 100  
198 98.5 76.9 115.3  
97 56.0 39.0 58.4  
132 32.5 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 58.567 ng

RT: 13.180 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

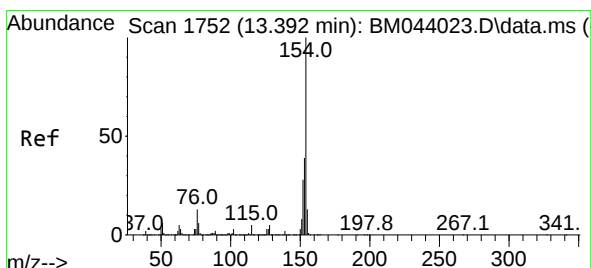
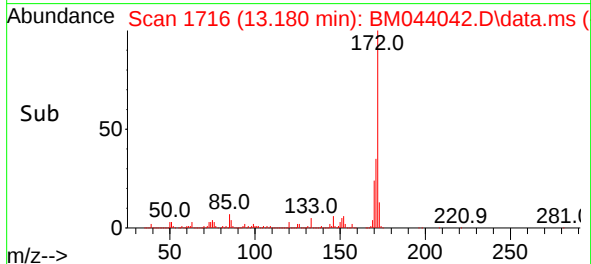
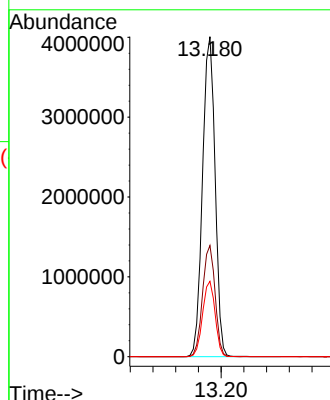
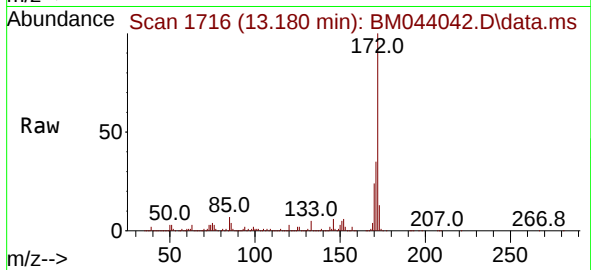
Tgt Ion:172 Resp: 6158912

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.5 19.0 28.4



#46

1,1'-Biphenyl

Concen: 6.360 ng

RT: 13.386 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

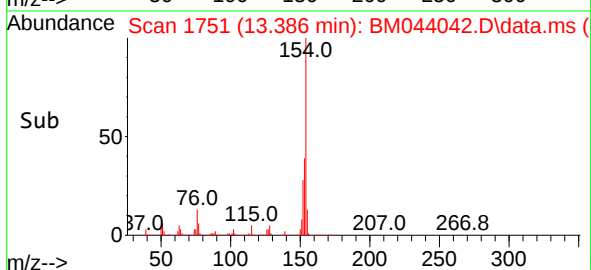
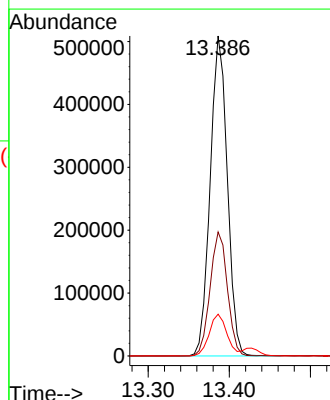
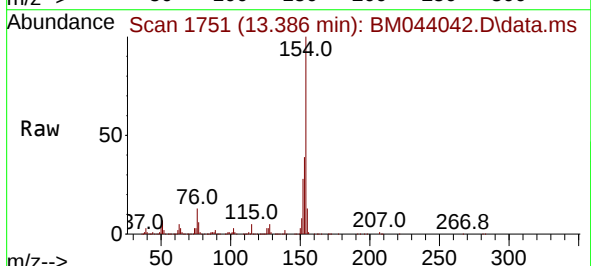
Tgt Ion:154 Resp: 744853

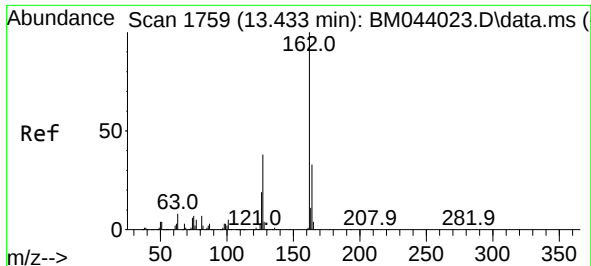
Ion Ratio Lower Upper

154 100

153 38.7 19.4 59.4

76 13.1 0.0 32.9

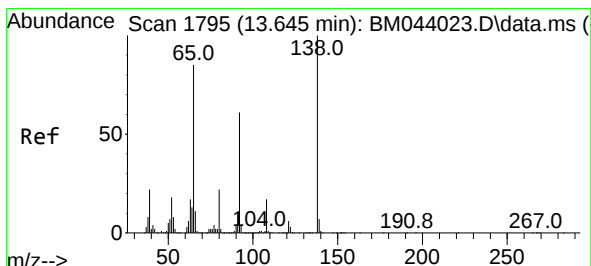
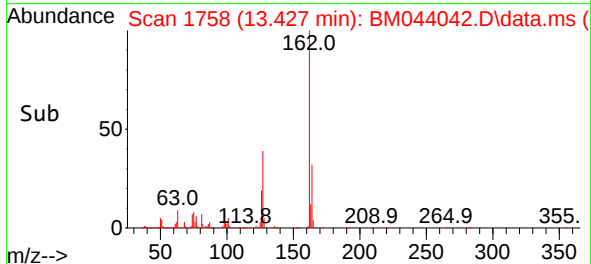
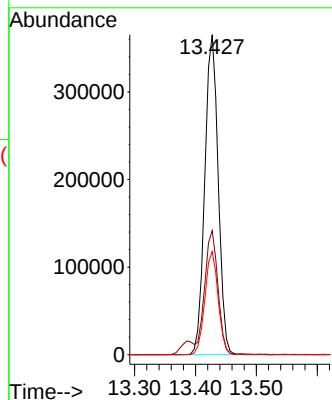
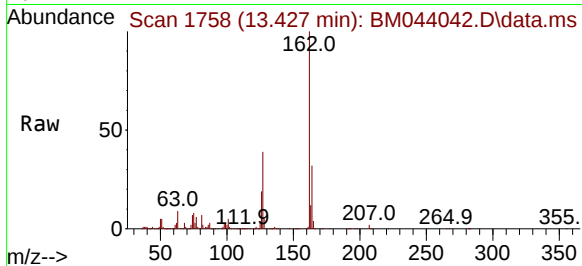




#47  
2-Chloronaphthalene  
Concen: 6.028 ng  
RT: 13.427 min Scan# 1759  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

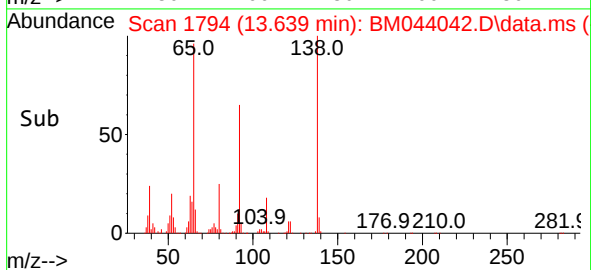
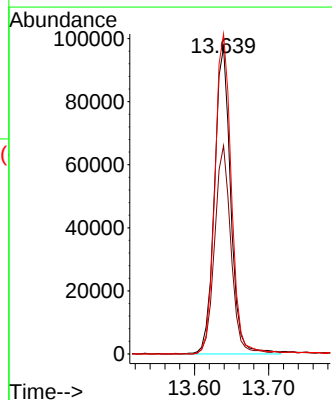
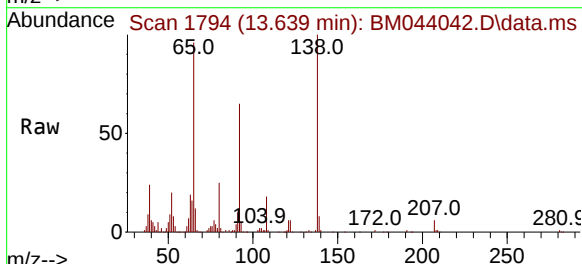
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

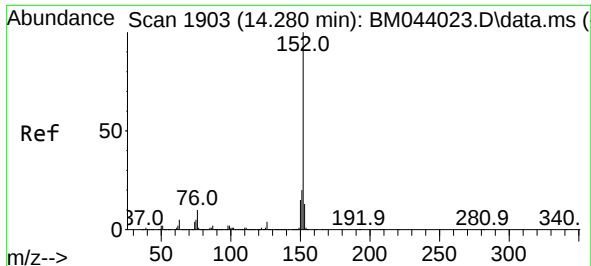
Tgt Ion:162 Resp: 559237  
Ion Ratio Lower Upper  
162 100  
127 38.7 30.9 46.3  
164 32.2 26.4 39.6



#48  
2-Nitroaniline  
Concen: 5.689 ng  
RT: 13.639 min Scan# 1794  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion: 65 Resp: 148471  
Ion Ratio Lower Upper  
65 100  
92 67.9 58.1 87.1  
138 104.3 94.6 142.0

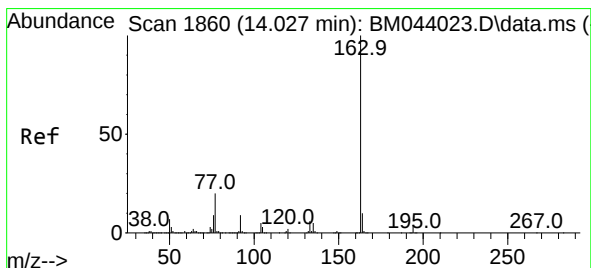
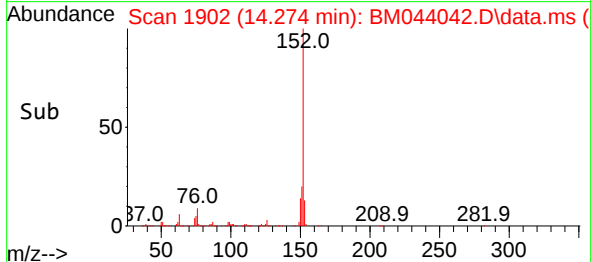
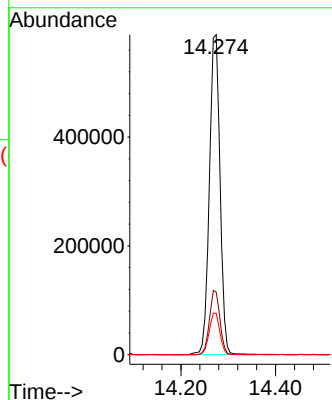
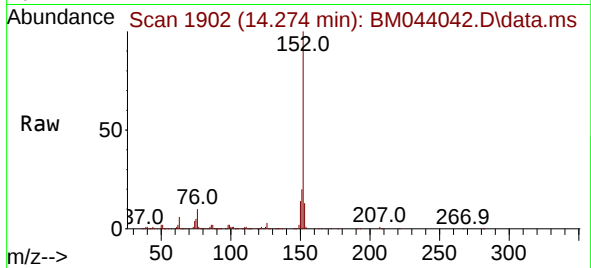




#49  
Acenaphthylene  
Concen: 6.628 ng  
RT: 14.274 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

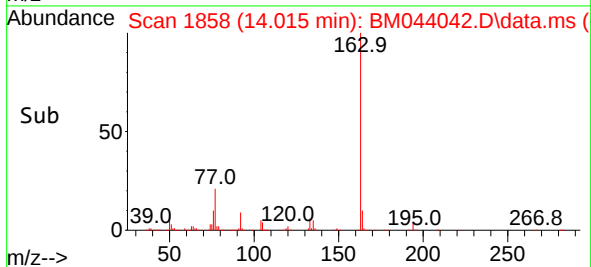
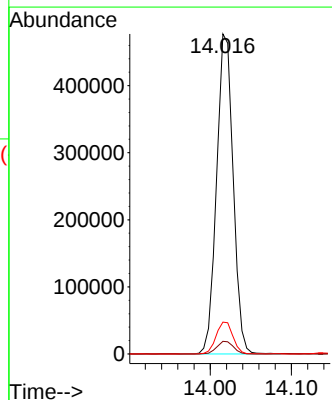
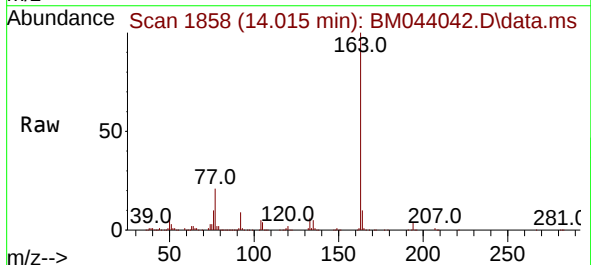
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

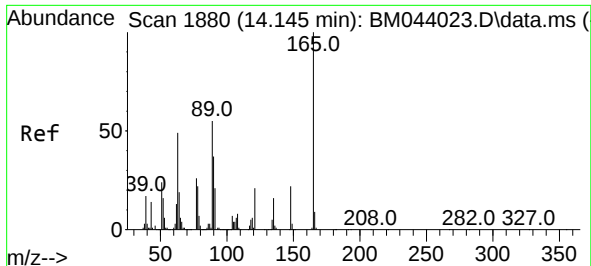
Tgt Ion:152 Resp: 917309  
Ion Ratio Lower Upper  
152 100  
151 19.6 15.8 23.6  
153 12.9 10.5 15.7



#50  
Dimethylphthalate  
Concen: 6.161 ng  
RT: 14.015 min Scan# 1858  
Delta R.T. -0.012 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:163 Resp: 678006  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 9.9 8.2 12.2

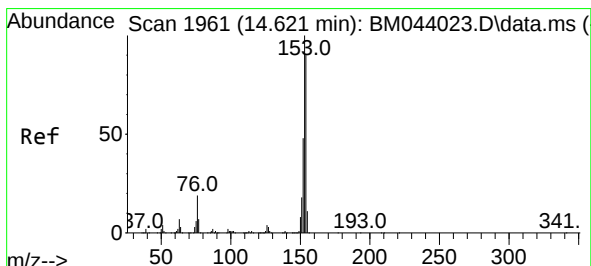
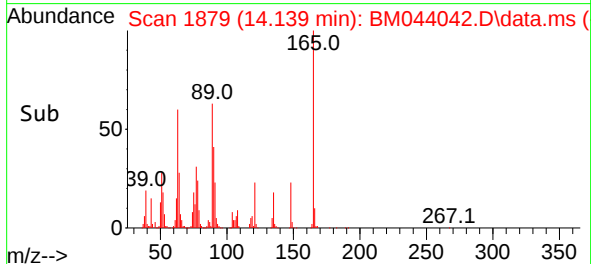
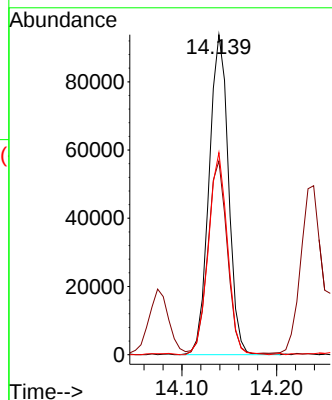
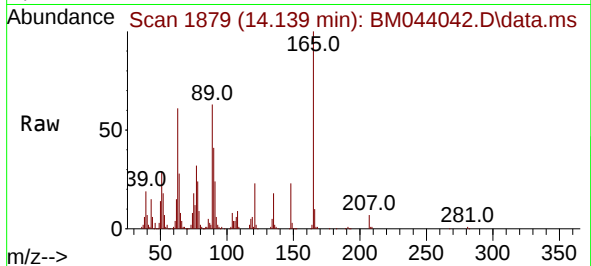




#51  
2,6-Dinitrotoluene  
Concen: 5.491 ng  
RT: 14.139 min Scan# 1880  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

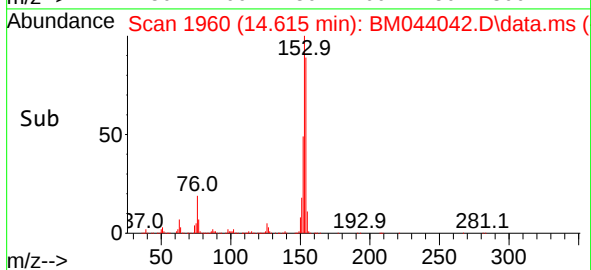
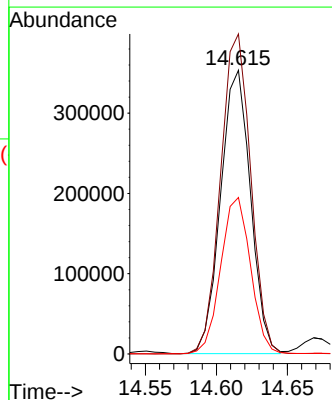
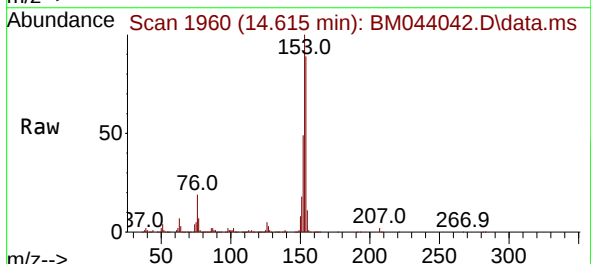
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

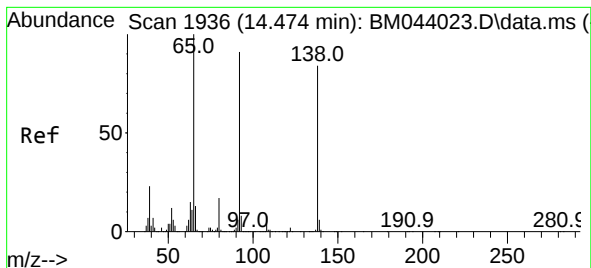
Tgt Ion:165 Resp: 133314  
Ion Ratio Lower Upper  
165 100  
63 60.5 43.5 65.3  
89 63.1 44.4 66.6



#52  
Acenaphthene  
Concen: 6.039 ng  
RT: 14.615 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:154 Resp: 517277  
Ion Ratio Lower Upper  
154 100  
153 112.8 89.3 133.9  
152 55.1 43.0 64.6





#53

3-Nitroaniline

Concen: 5.592 ng

RT: 14.468 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

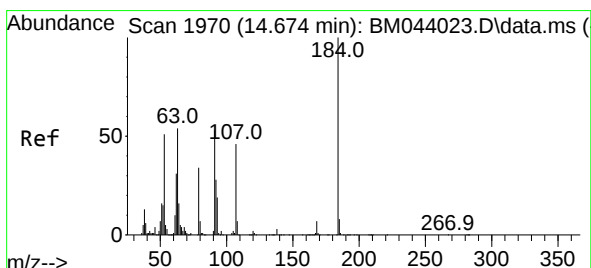
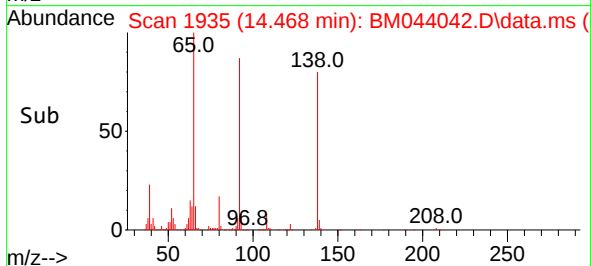
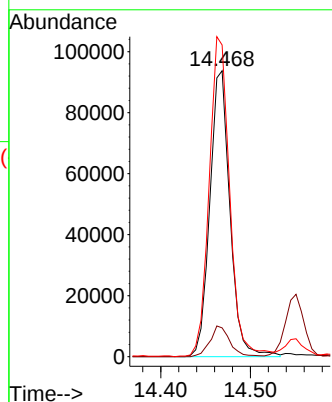
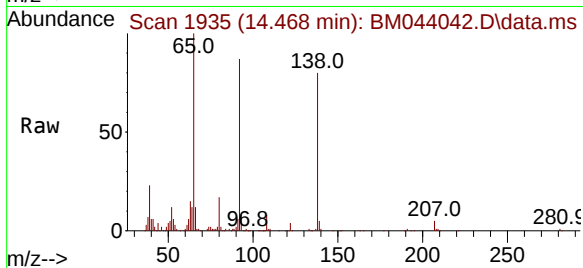
Tgt Ion:138 Resp: 145913

Ion Ratio Lower Upper

138 100

108 10.1 7.6 11.4

92 109.0 86.5 129.7



#54

2,4-Dinitrophenol

Concen: 8.775 ng

RT: 14.668 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

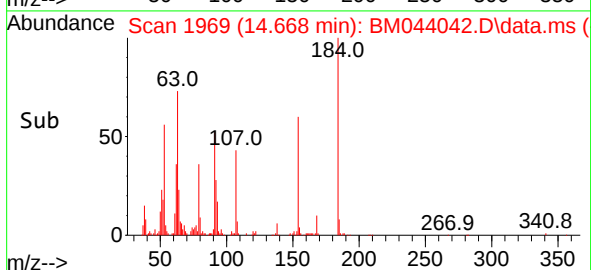
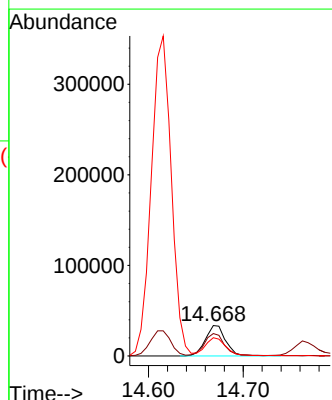
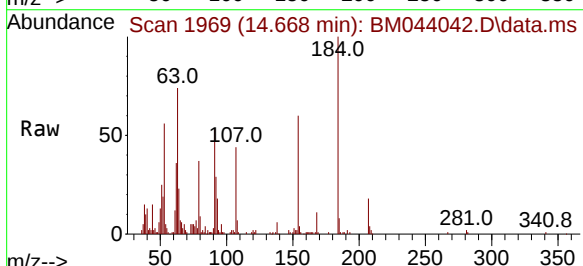
Tgt Ion:184 Resp: 49939

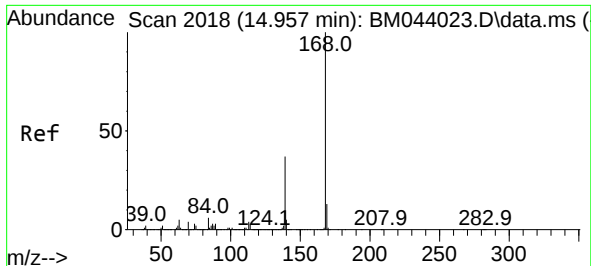
Ion Ratio Lower Upper

184 100

63 74.0 55.4 83.2

154 60.1 49.2 73.8

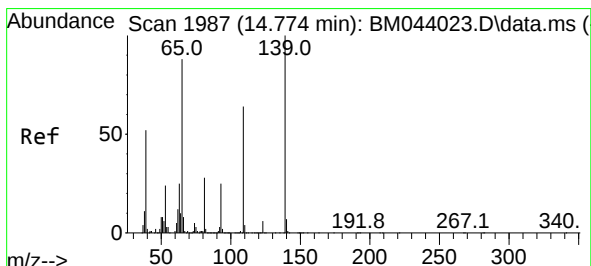
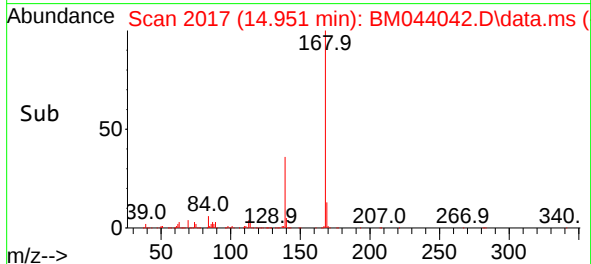
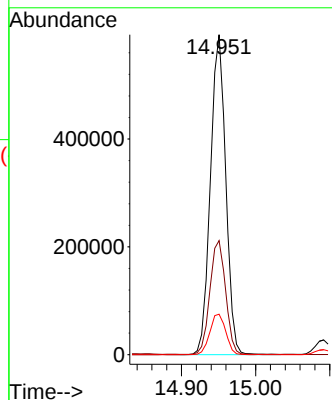
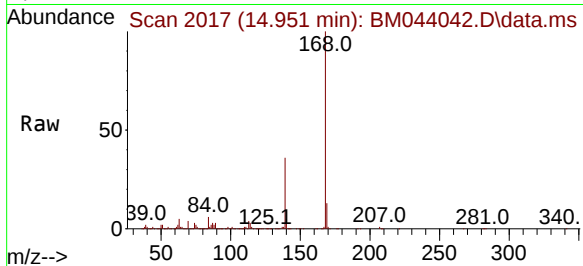




#55  
Dibenzenofuran  
Concen: 6.426 ng  
RT: 14.951 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

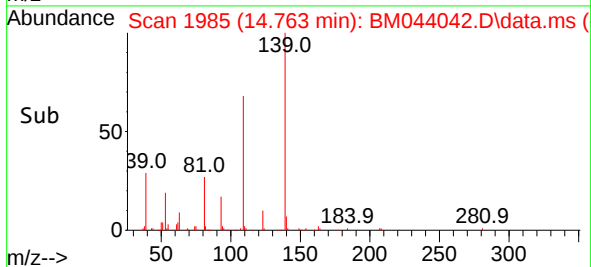
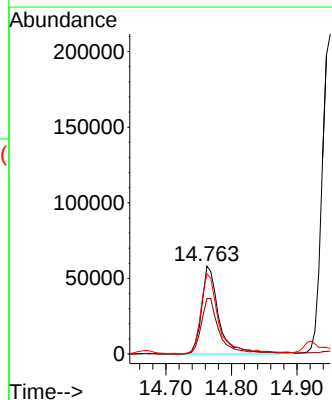
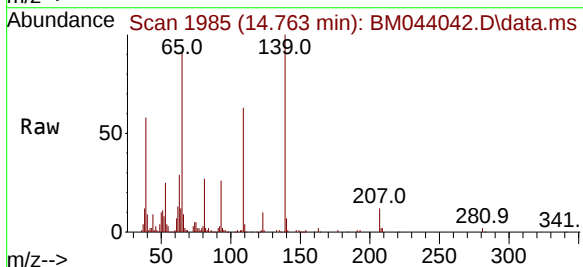
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

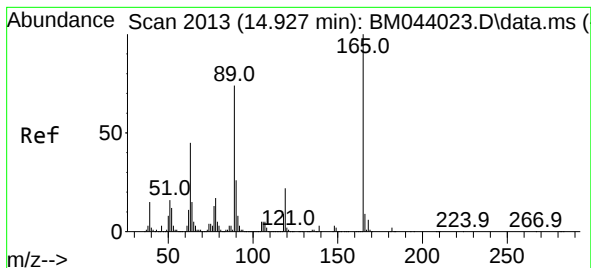
Tgt Ion:168 Resp: 851951  
Ion Ratio Lower Upper  
168 100  
139 35.7 29.6 44.4  
169 12.7 10.5 15.7



#56  
4-Nitrophenol  
Concen: 5.018 ng  
RT: 14.763 min Scan# 1985  
Delta R.T. -0.012 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:139 Resp: 106437  
Ion Ratio Lower Upper  
139 100  
109 63.3 43.8 83.8  
65 91.2 67.7 107.7

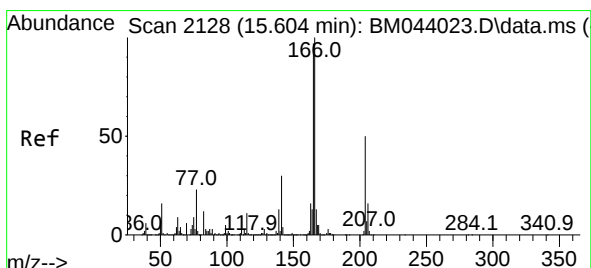
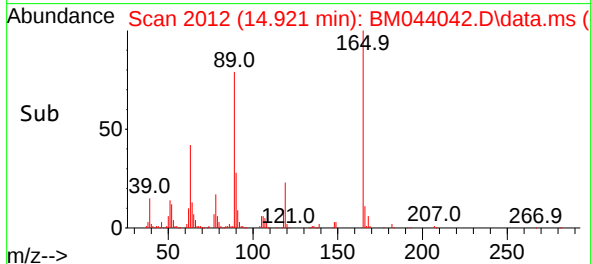
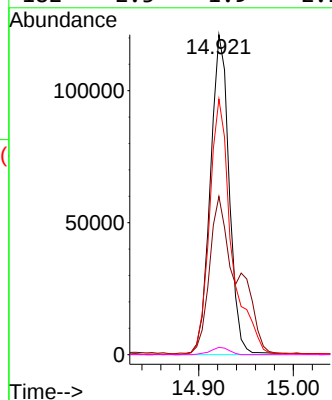
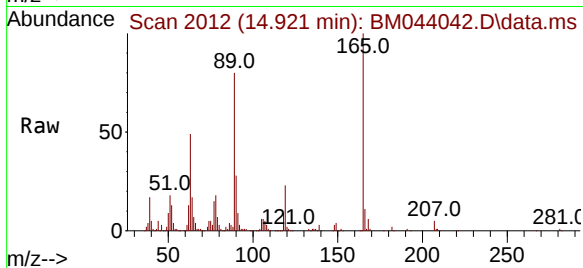




#57  
2,4-Dinitrotoluene  
Concen: 5.292 ng  
RT: 14.921 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

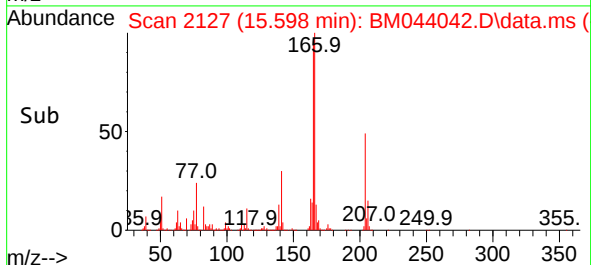
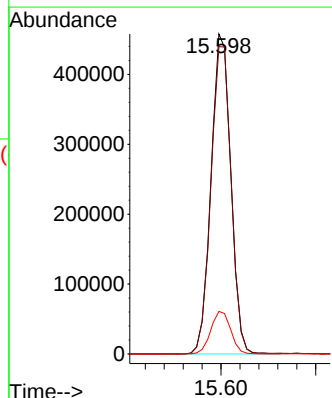
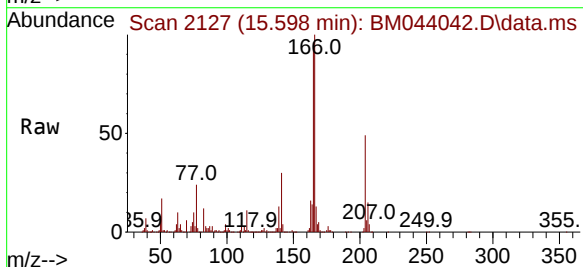
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

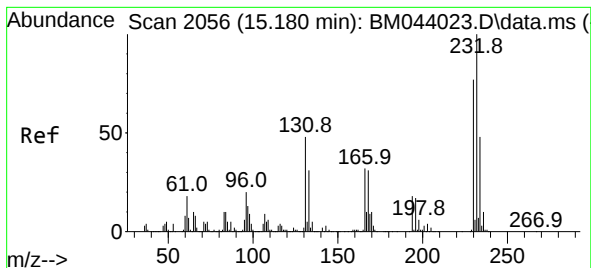
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 167936 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 49.4  | 35.9  | 53.9   |
| 89       | 79.9  | 58.9  | 88.3   |
| 182      | 2.3   | 1.9   | 2.9    |



#58  
Fluorene  
Concen: 6.471 ng  
RT: 15.598 min Scan# 2127  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 662949 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 96.1  | 77.7  | 116.5  |
| 167      | 13.3  | 10.7  | 16.1   |

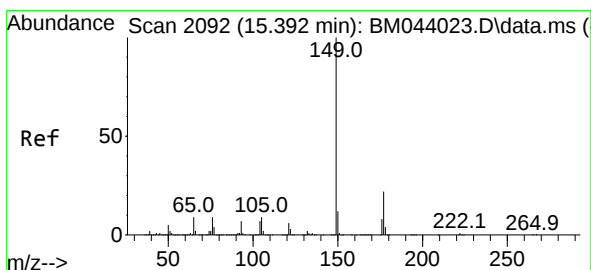
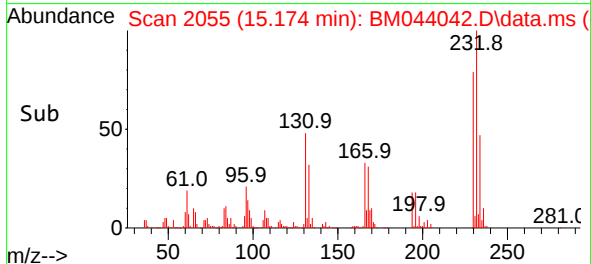
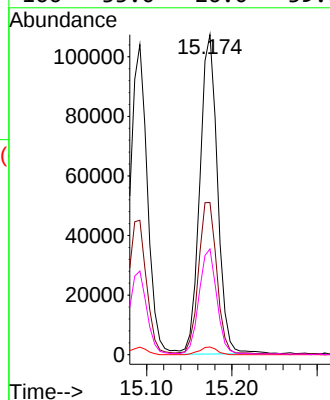
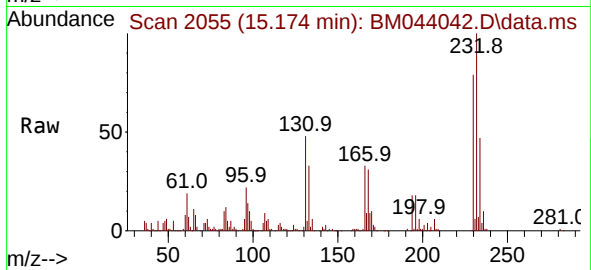




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.105 ng  
RT: 15.174 min Scan# 2055  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

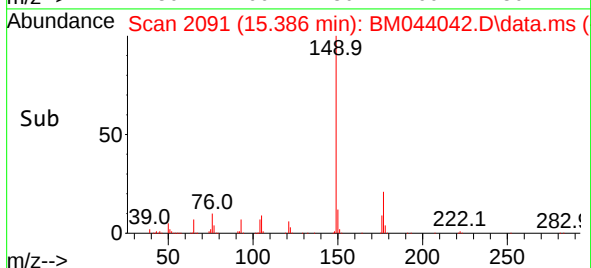
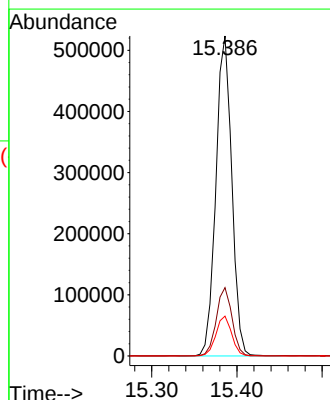
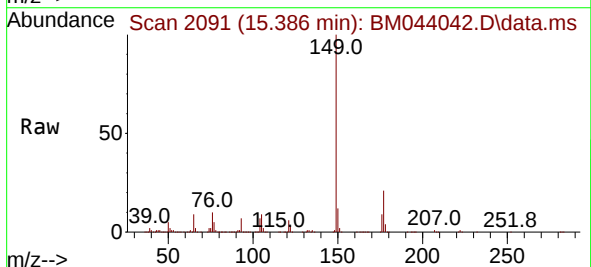
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

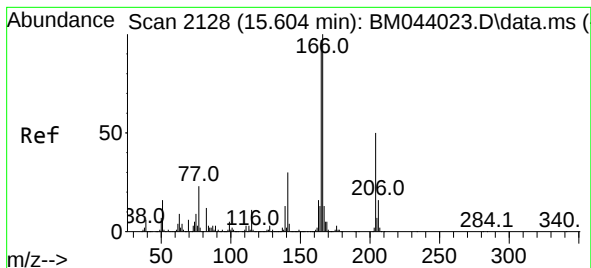
Tgt Ion:232 Resp: 154349  
Ion Ratio Lower Upper  
232 100  
131 49.0 39.5 59.3  
130 2.4 2.0 3.0  
166 33.0 26.0 39.0



#60  
Diethylphthalate  
Concen: 5.962 ng  
RT: 15.386 min Scan# 2091  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 678003  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.5 26.3  
150 12.4 9.8 14.6

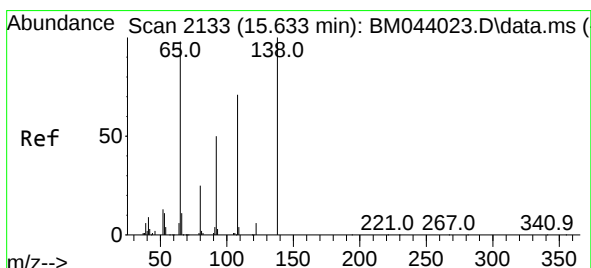
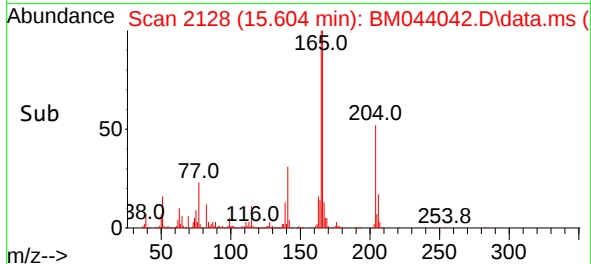
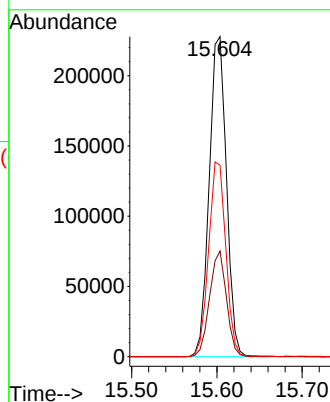
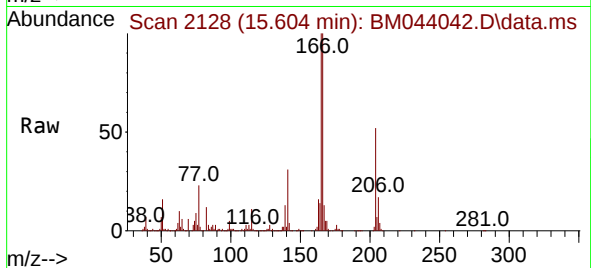




#61  
4-Chlorophenyl-phenylether  
Concen: 6.452 ng  
RT: 15.604 min Scan# 2128  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

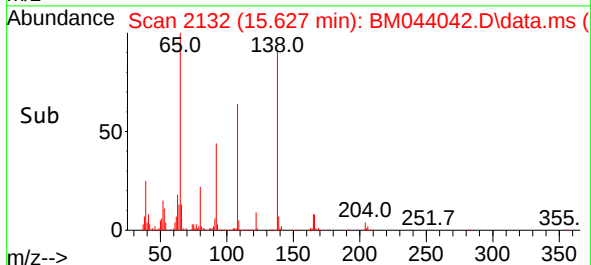
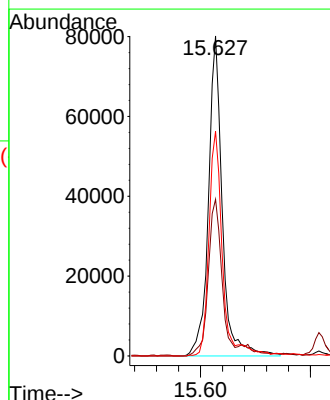
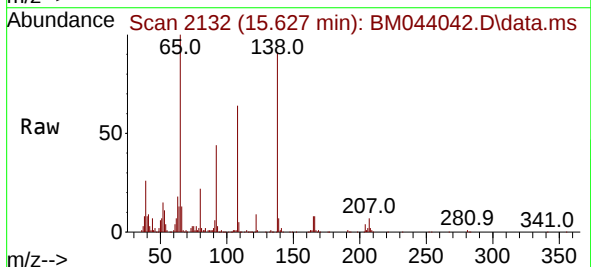
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

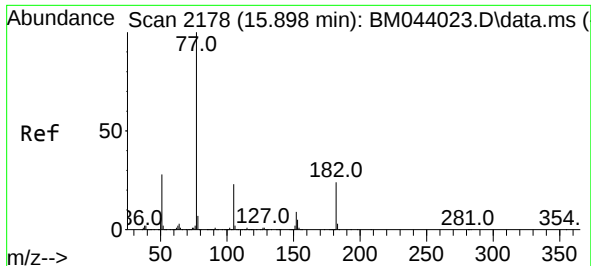
Tgt Ion:204 Resp: 320280  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.3 39.5  
141 59.8 47.7 71.5



#62  
4-Nitroaniline  
Concen: 5.322 ng  
RT: 15.627 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:138 Resp: 139772  
Ion Ratio Lower Upper  
138 100  
92 48.9 29.6 69.6  
108 70.2 47.8 87.8

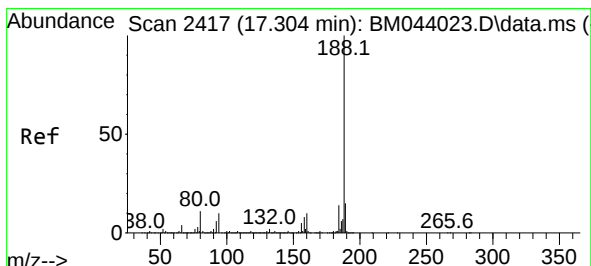
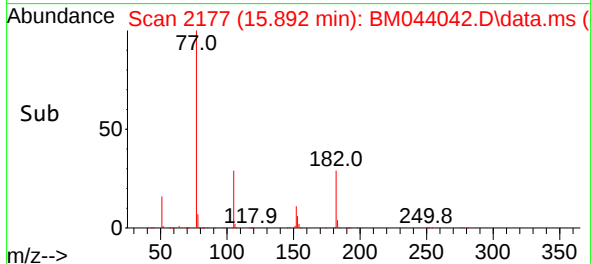
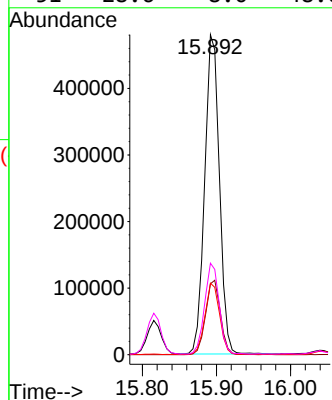
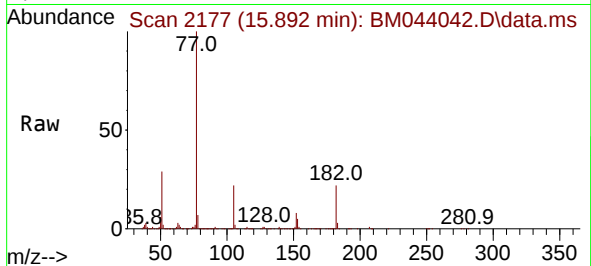




#63  
Azobenzene  
Concen: 6.197 ng  
RT: 15.892 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

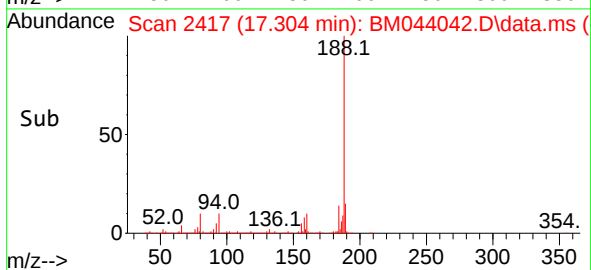
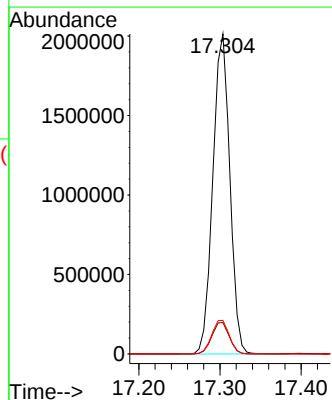
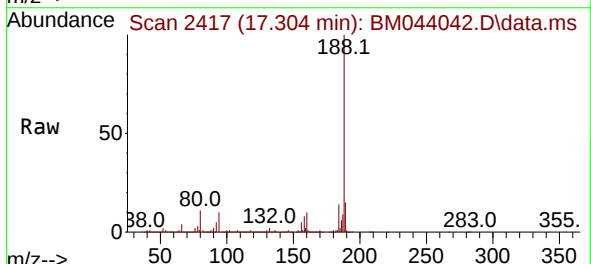
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

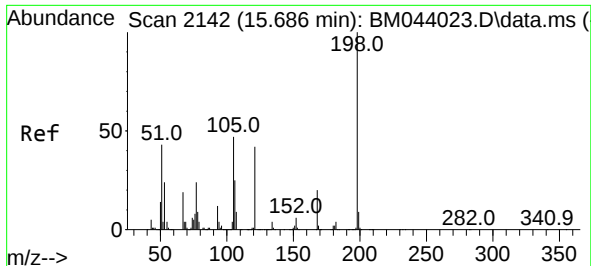
Tgt Ion: 77 Resp: 661154  
Ion Ratio Lower Upper  
77 100  
182 22.2 4.0 44.0  
105 22.4 3.3 43.3  
51 28.6 8.0 48.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:188 Resp: 2922094  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.2 12.2  
80 10.5 8.8 13.2

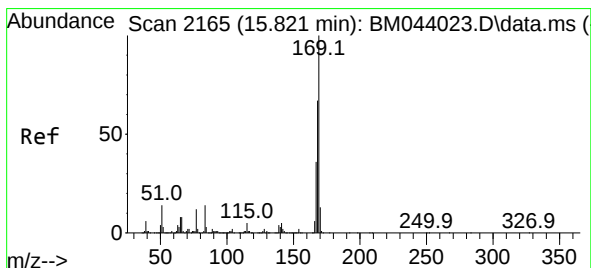
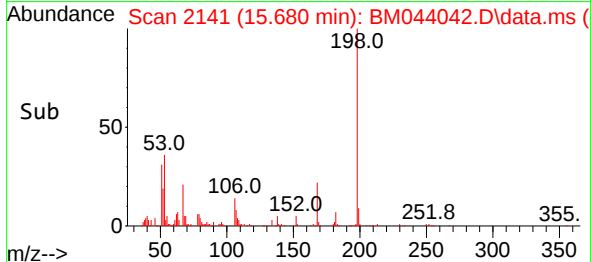
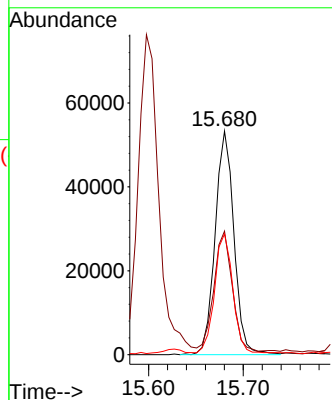
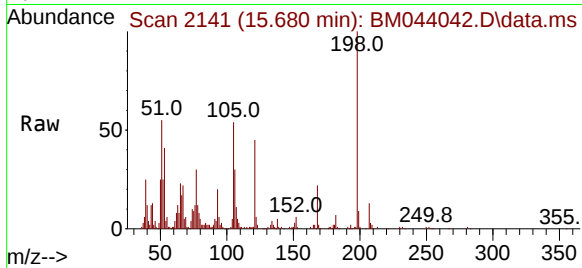




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.236 ng  
RT: 15.680 min Scan# 2142  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

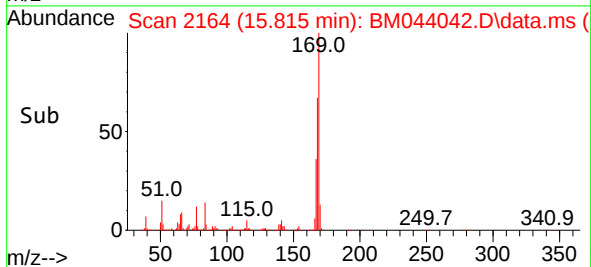
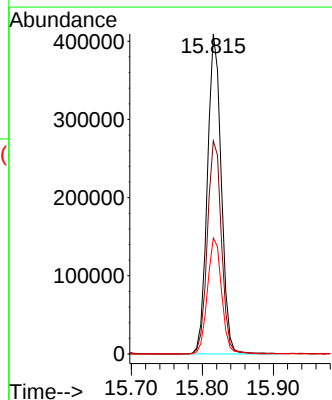
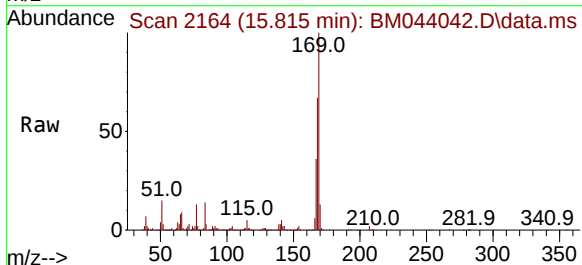
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

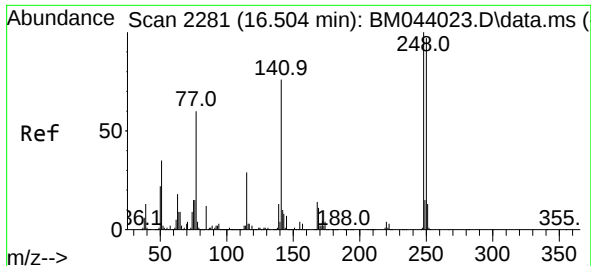
Tgt Ion:198 Resp: 73765  
Ion Ratio Lower Upper  
198 100  
51 55.2 29.9 69.9  
105 54.0 28.7 68.7



#66  
n-Nitrosodiphenylamine  
Concen: 6.276 ng  
RT: 15.815 min Scan# 2164  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:169 Resp: 557144  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.8 80.8  
167 36.3 29.2 43.8

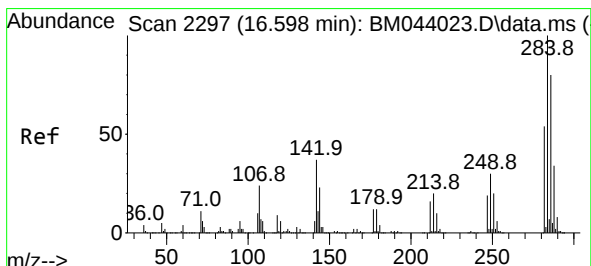
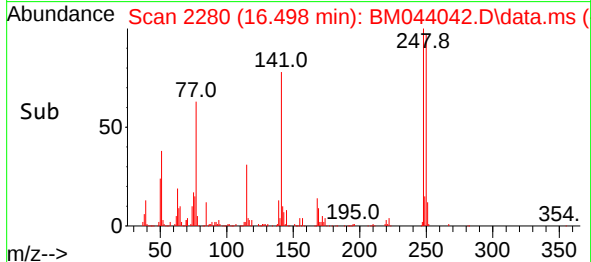
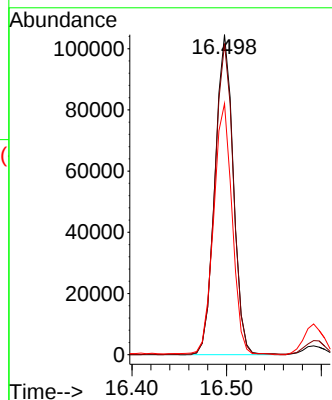
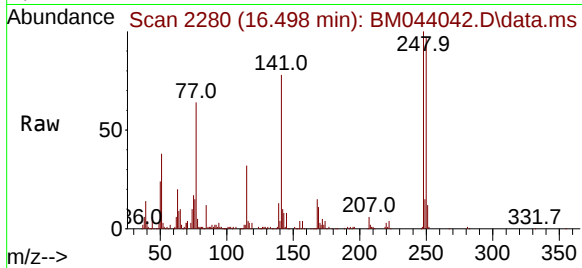




#67  
4-Bromophenyl-phenylether  
Concen: 4.880 ng  
RT: 16.498 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

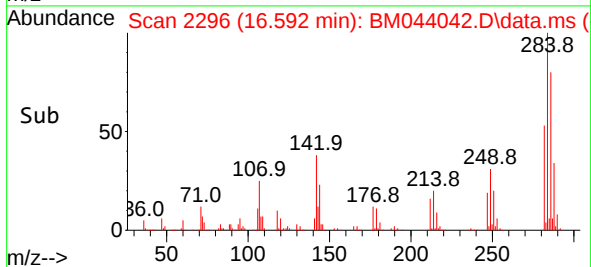
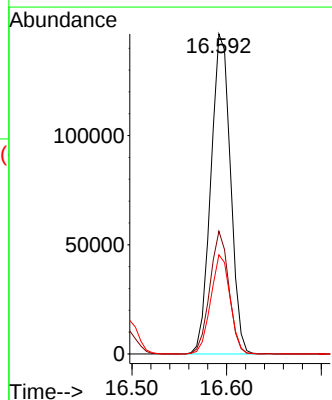
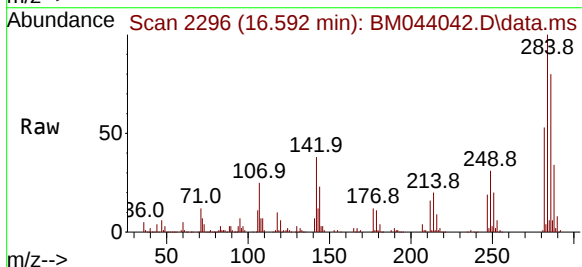
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

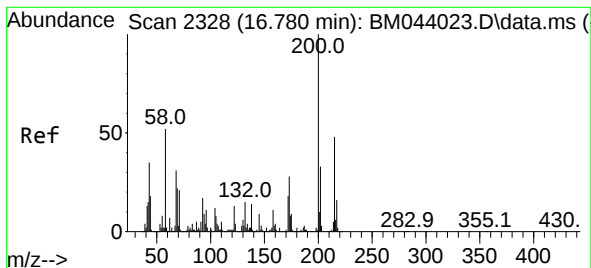
Tgt Ion:248 Resp: 140981  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.4 116.2  
141 78.4 61.0 91.6



#68  
Hexachlorobenzene  
Concen: 5.951 ng  
RT: 16.592 min Scan# 2296  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:284 Resp: 210608  
Ion Ratio Lower Upper  
284 100  
142 38.3 30.0 45.0  
249 31.0 24.1 36.1





#69

Atrazine

Concen: 7.508 ng

RT: 16.774 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

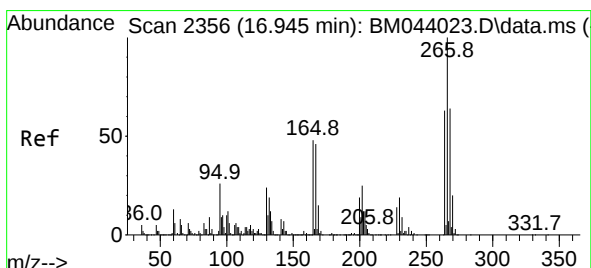
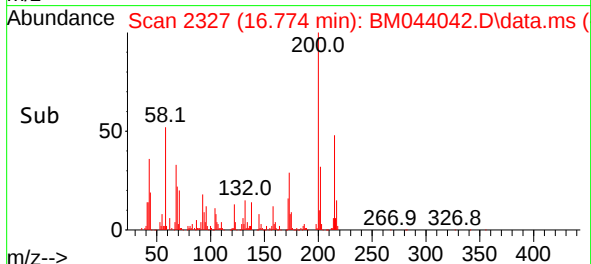
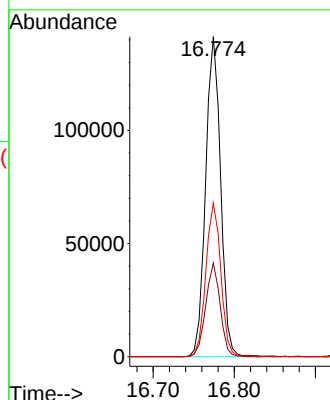
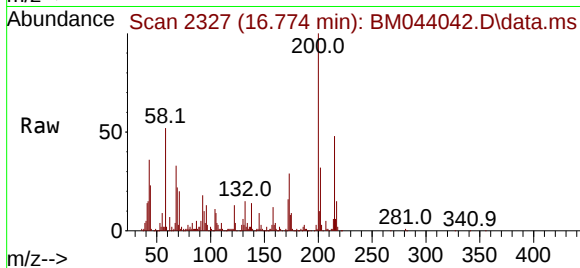
Tgt Ion:200 Resp: 180481

Ion Ratio Lower Upper

200 100

173 29.3 7.9 47.9

215 48.0 27.9 67.9



#70

Pentachlorophenol

Concen: 4.592 ng

RT: 16.945 min Scan# 2356

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

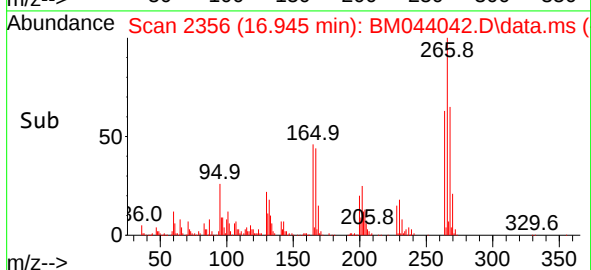
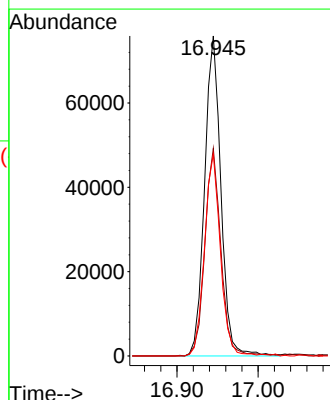
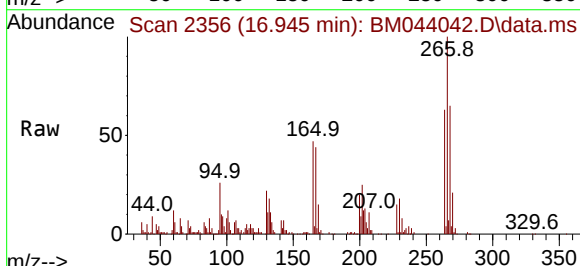
Tgt Ion:266 Resp: 105717

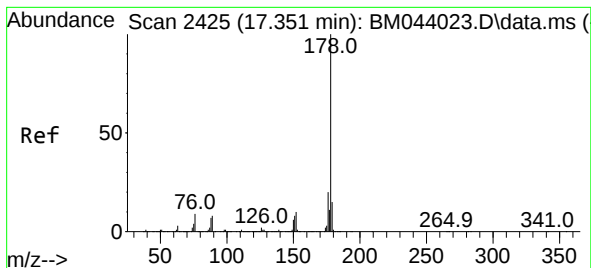
Ion Ratio Lower Upper

266 100

268 64.9 51.1 76.7

264 63.1 50.5 75.7





#71

Phenanthrene

Concen: 6.474 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

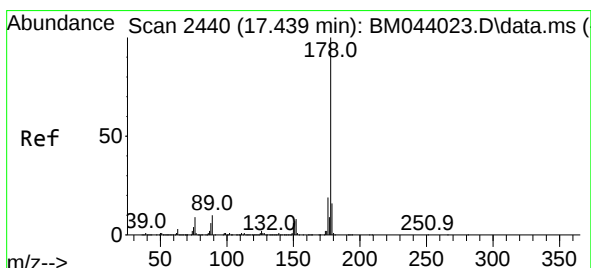
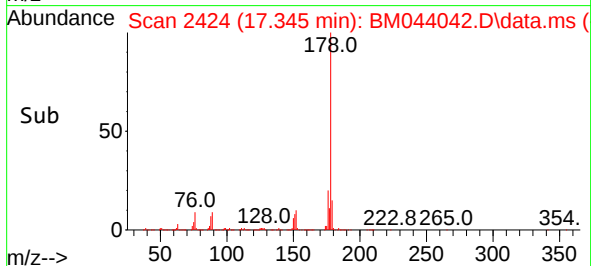
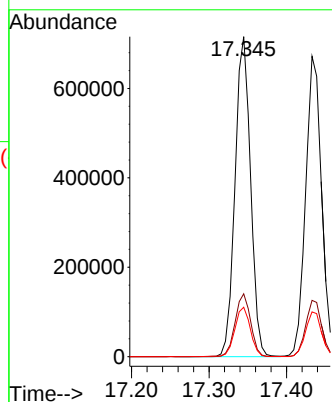
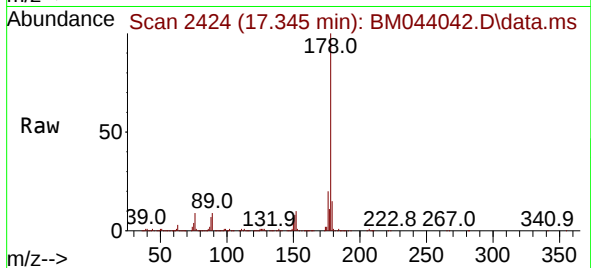
Tgt Ion:178 Resp: 998912

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.5 12.2 18.4



#72

Anthracene

Concen: 6.351 ng

RT: 17.433 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

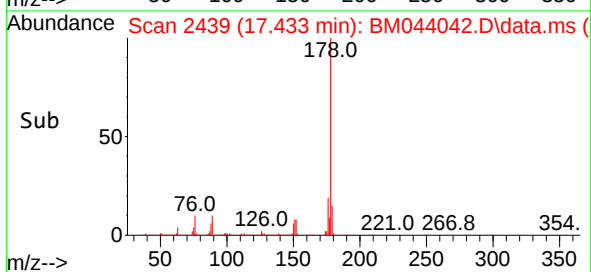
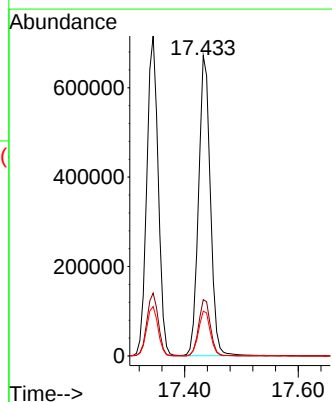
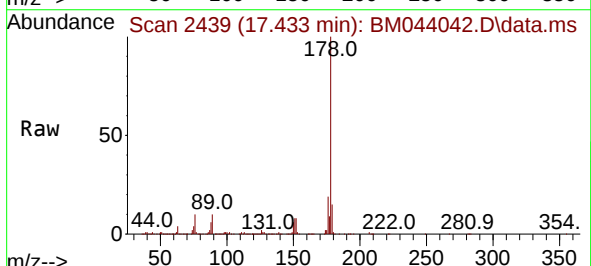
Tgt Ion:178 Resp: 970126

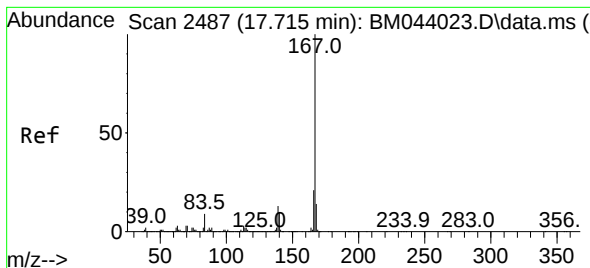
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 14.9 12.4 18.6





#73

Carbazole

Concen: 6.077 ng

RT: 17.709 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

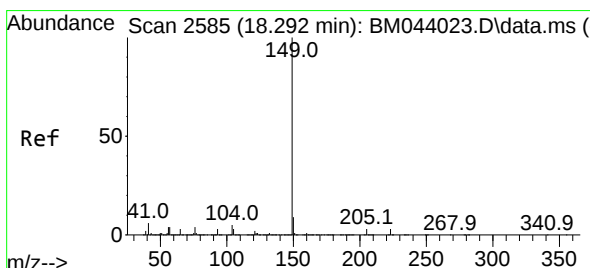
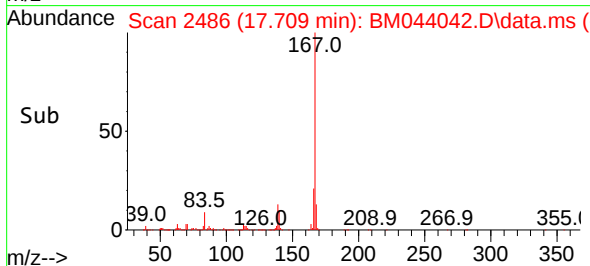
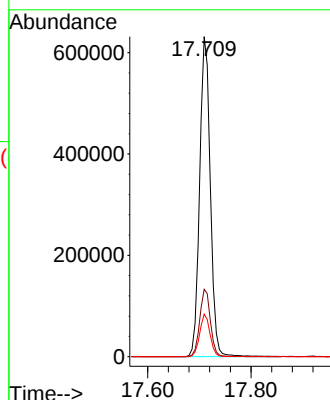
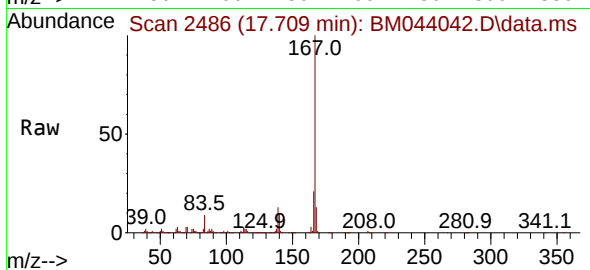
Tgt Ion:167 Resp: 902831

Ion Ratio Lower Upper

167 100

166 21.1 16.8 25.2

139 13.3 10.4 15.6



#74

Di-n-butylphthalate

Concen: 5.699 ng

RT: 18.292 min Scan# 2585

Delta R.T. 0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

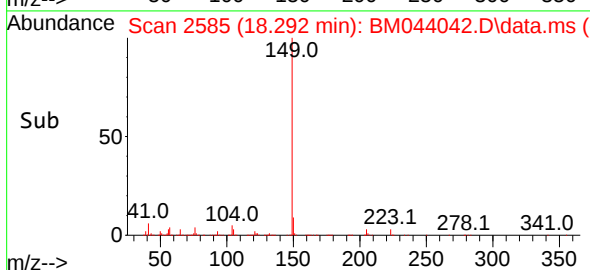
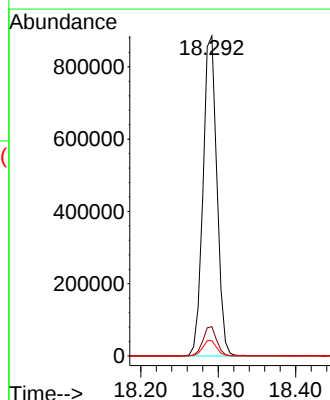
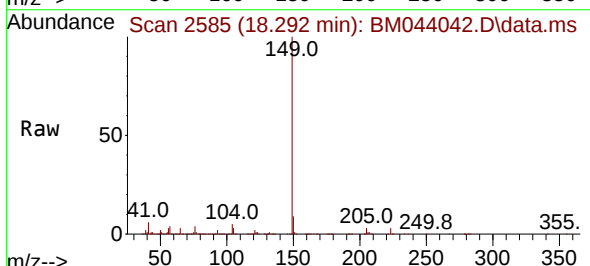
Tgt Ion:149 Resp: 1100578

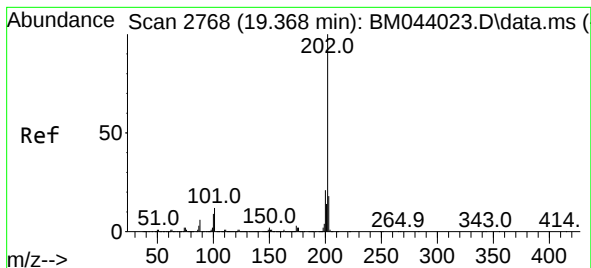
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.8 3.8 5.6





#75

Fluoranthene

Concen: 6.042 ng

RT: 19.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

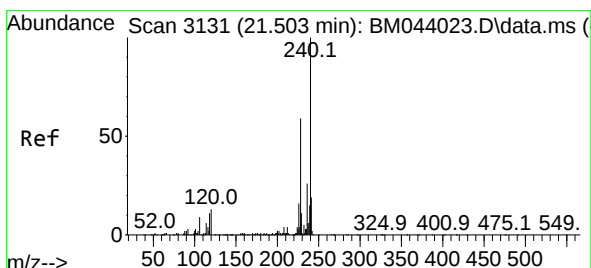
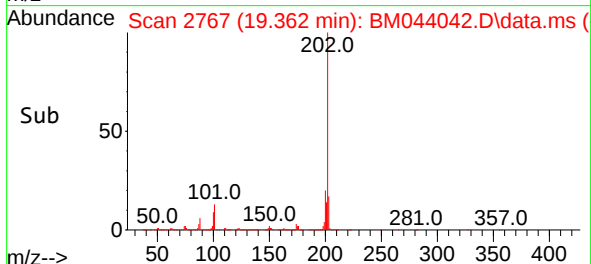
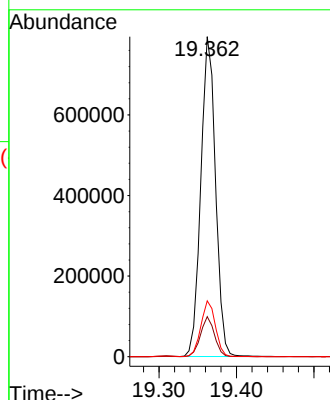
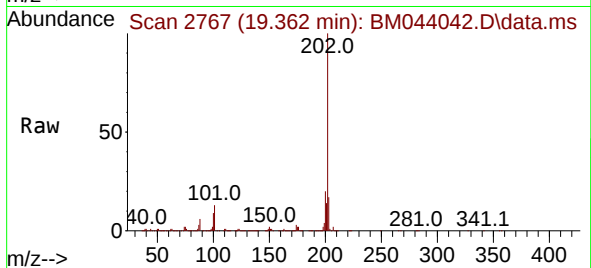
Tgt Ion:202 Resp: 1047253

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

203 17.5 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: BM044042.D

Acq: 09 Feb 2024 16:42

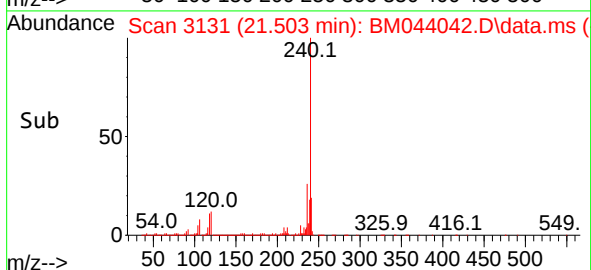
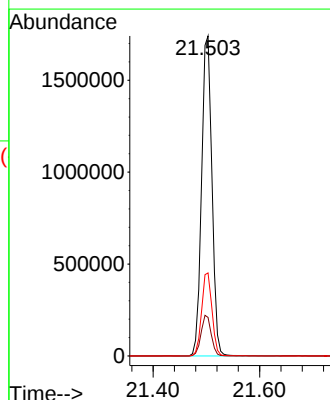
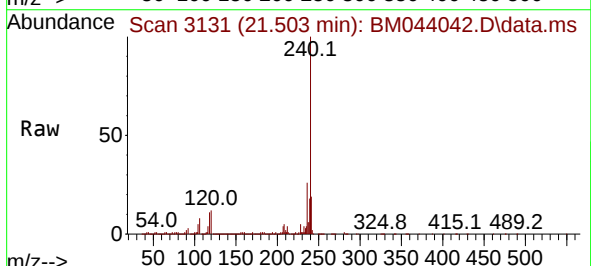
Tgt Ion:240 Resp: 2350765

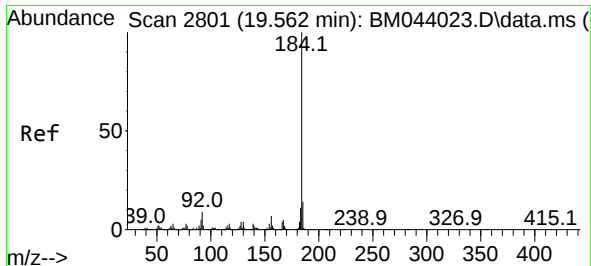
Ion Ratio Lower Upper

240 100

120 12.0 10.1 15.1

236 25.9 20.6 31.0

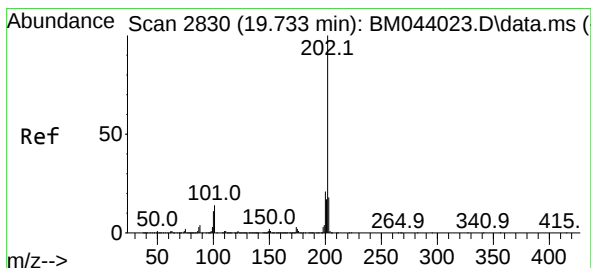
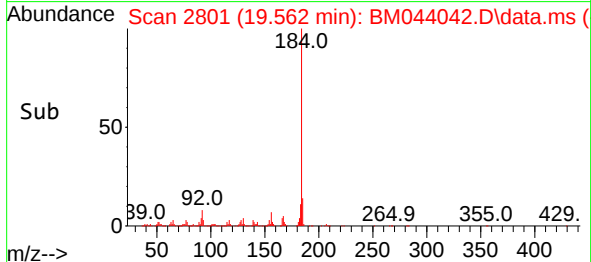
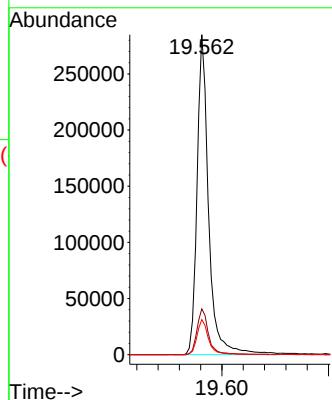
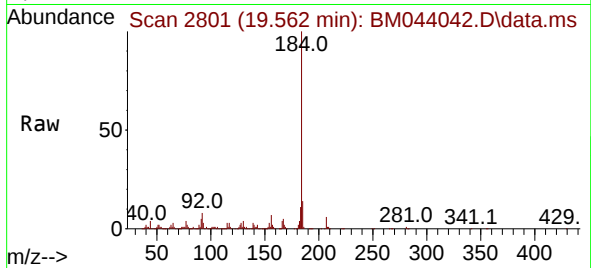




#77  
Benzidine  
Concen: 11.767 ng  
RT: 19.562 min Scan# 2801  
Delta R.T. -0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

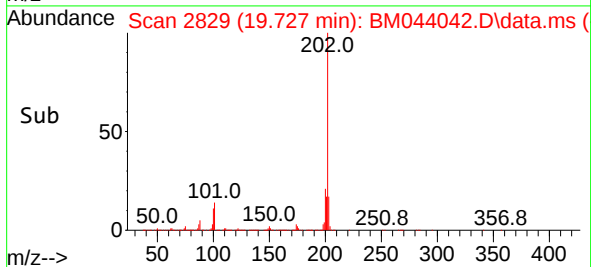
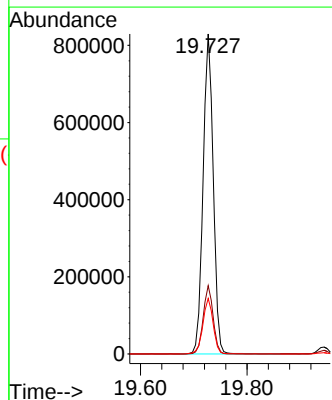
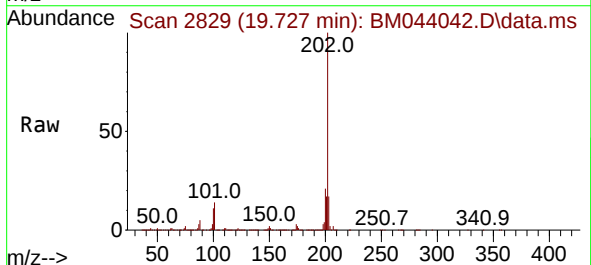
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

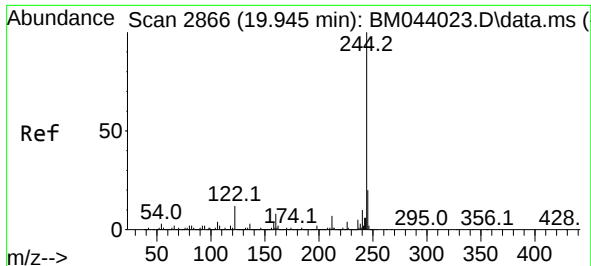
Tgt Ion:184 Resp: 429887  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.0 16.6  
183 11.0 9.0 13.4



#78  
Pyrene  
Concen: 6.055 ng  
RT: 19.727 min Scan# 2829  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:202 Resp: 1096272  
Ion Ratio Lower Upper  
202 100  
200 21.4 16.8 25.2  
203 17.3 14.0 21.0

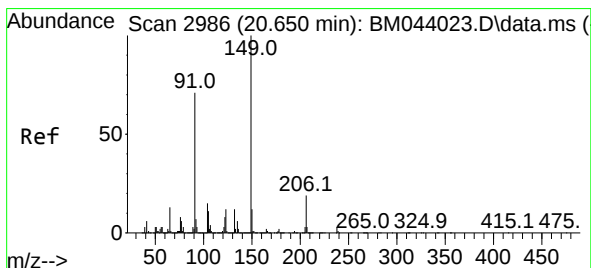
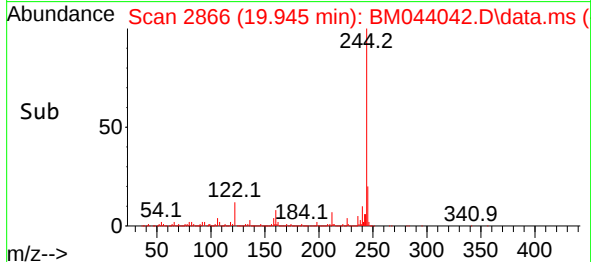
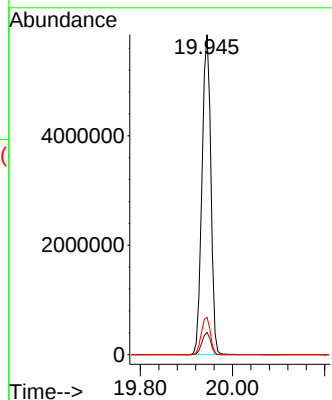
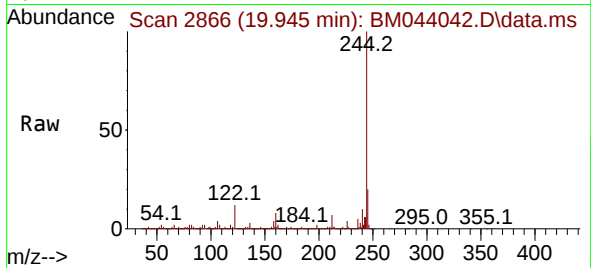




#79  
 Terphenyl-d14  
 Concen: 58.346 ng  
 RT: 19.945 min Scan# 2866  
 Delta R.T. 0.000 min  
 Lab File: BM044042.D  
 Acq: 09 Feb 2024 16:42

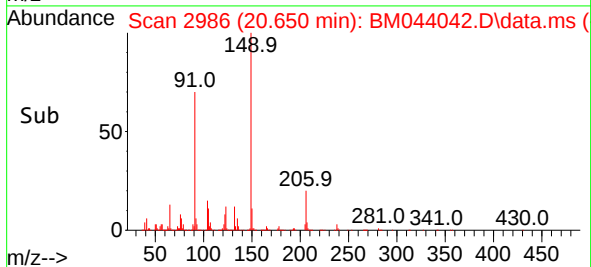
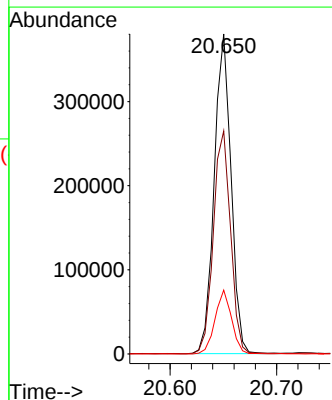
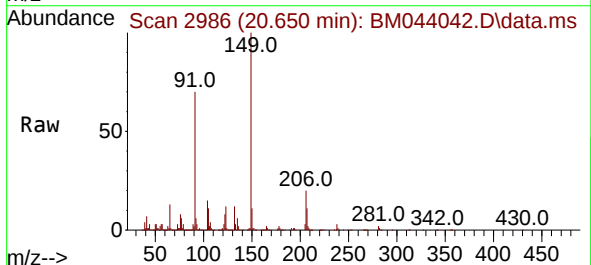
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

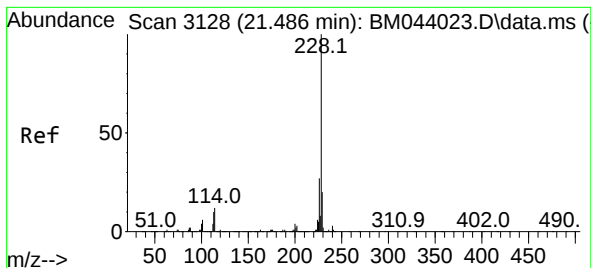
Tgt Ion:244 Resp: 7824071  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 11.6 9.5 14.3



#80  
 Butylbenzylphthalate  
 Concen: 5.169 ng  
 RT: 20.650 min Scan# 2986  
 Delta R.T. -0.000 min  
 Lab File: BM044042.D  
 Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 415982  
 Ion Ratio Lower Upper  
 149 100  
 91 69.7 56.8 85.2  
 206 20.0 15.0 22.6





#81

Benzo(a)anthracene

Concen: 6.167 ng

RT: 21.486 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

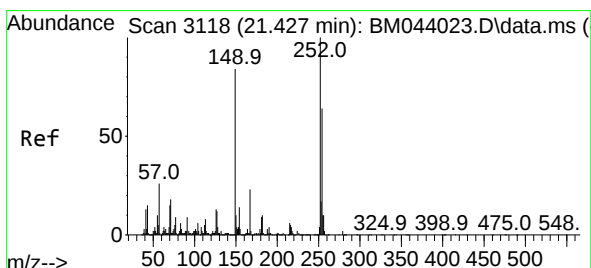
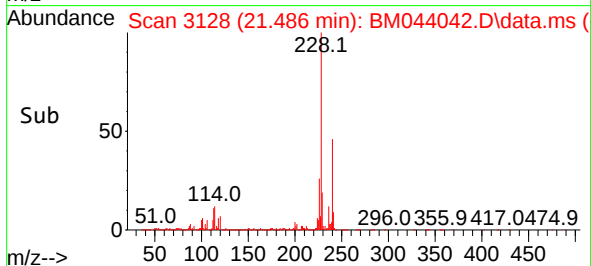
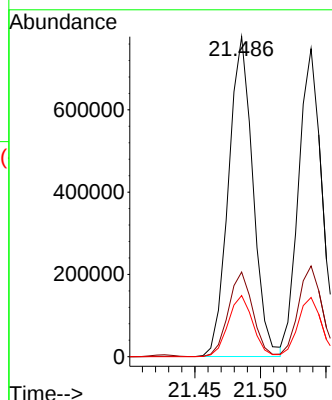
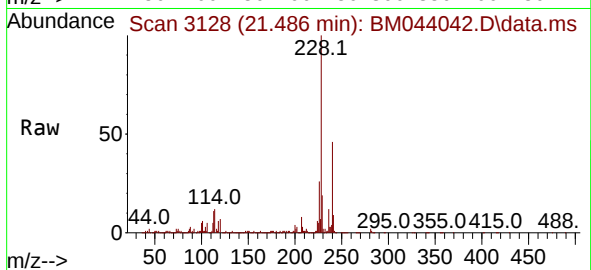
Tgt Ion:228 Resp: 1008470

Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.2

229 19.1 15.9 23.9



#82

3,3'-Dichlorobenzidine

Concen: 6.246 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.000 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

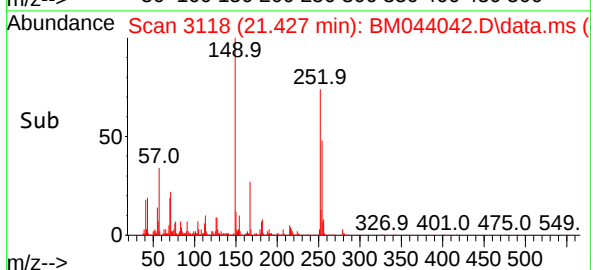
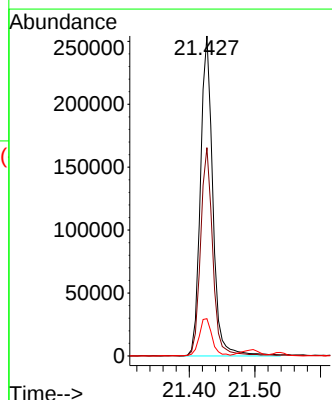
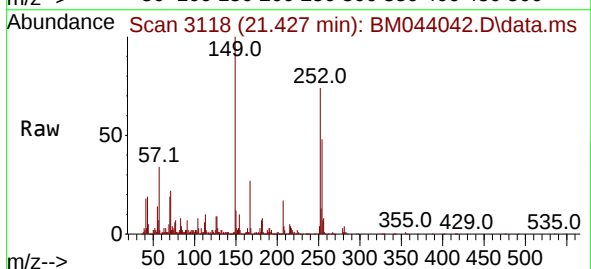
Tgt Ion:252 Resp: 335099

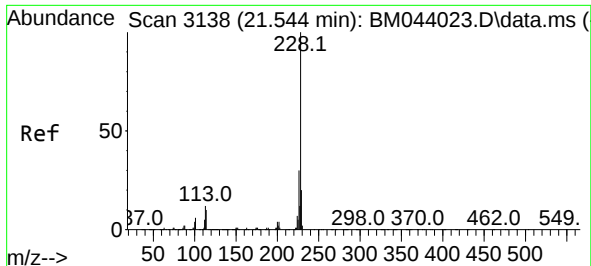
Ion Ratio Lower Upper

252 100

254 65.1 51.2 76.8

126 11.7 10.2 15.4

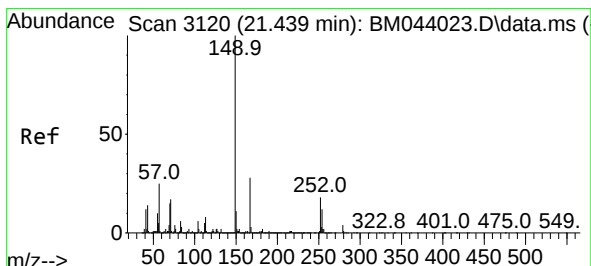
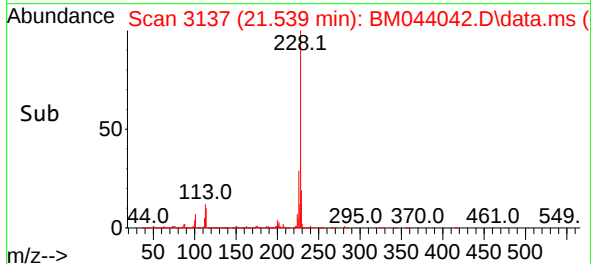
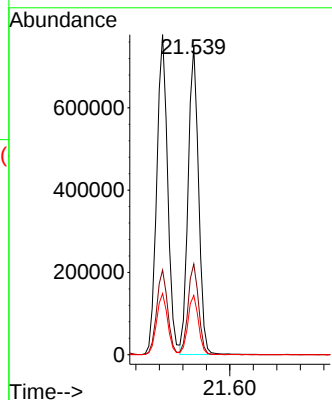
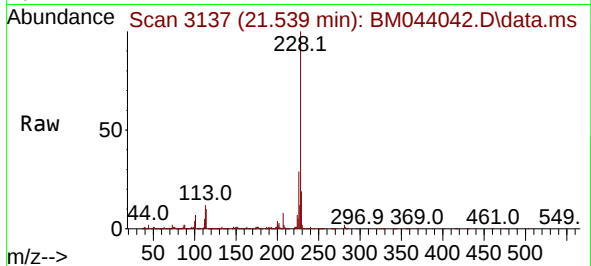




#83  
Chrysene  
Concen: 5.992 ng  
RT: 21.539 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

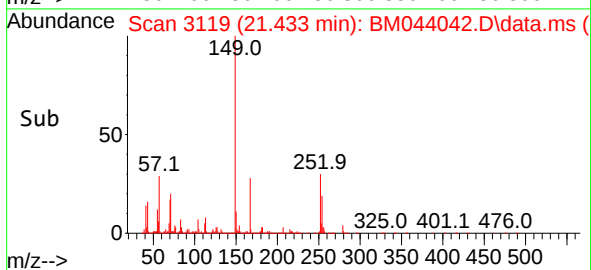
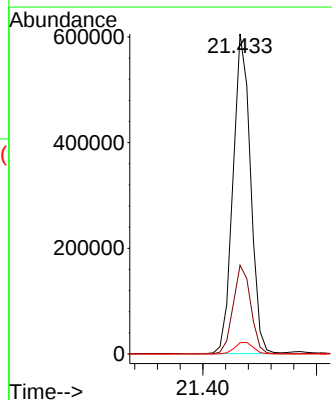
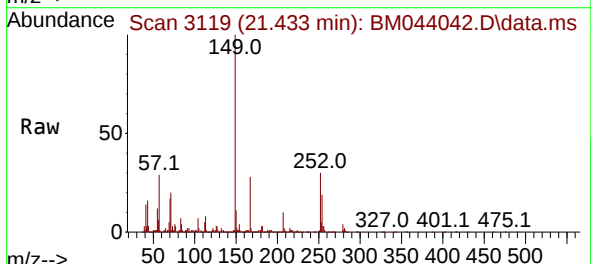
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

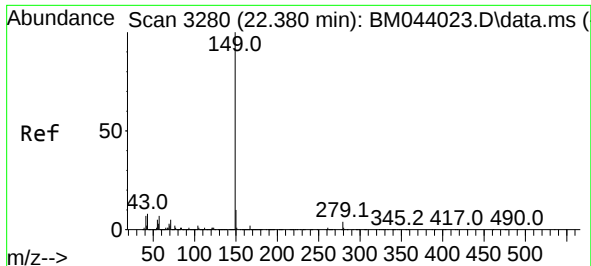
Tgt Ion:228 Resp: 925701  
Ion Ratio Lower Upper  
228 100  
226 29.5 24.2 36.2  
229 19.2 15.8 23.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 5.441 ng  
RT: 21.433 min Scan# 3119  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:149 Resp: 646083  
Ion Ratio Lower Upper  
149 100  
167 27.7 22.6 33.8  
279 3.5 3.1 4.7

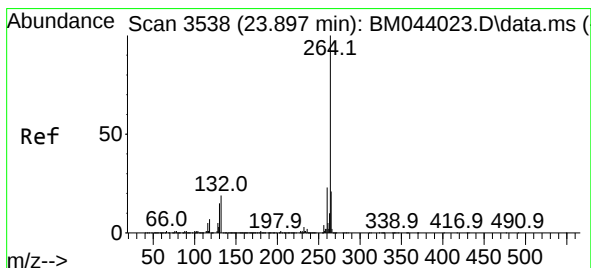
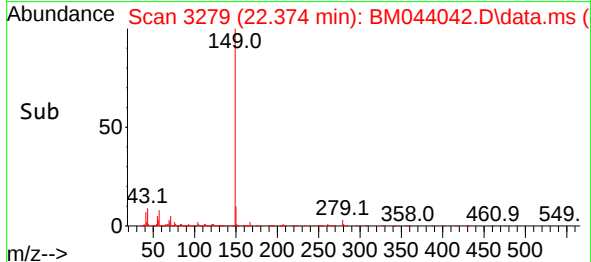
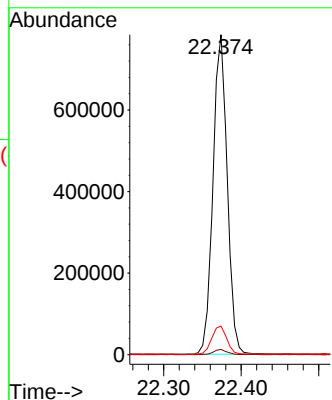
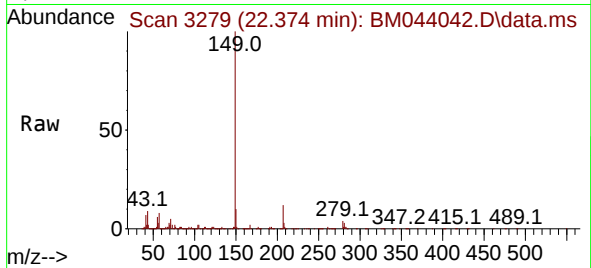




#85  
Di-n-octyl phthalate  
Concen: 4.825 ng  
RT: 22.374 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

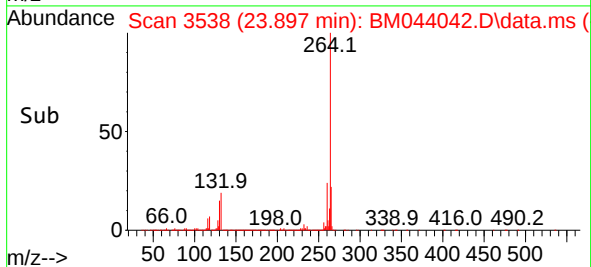
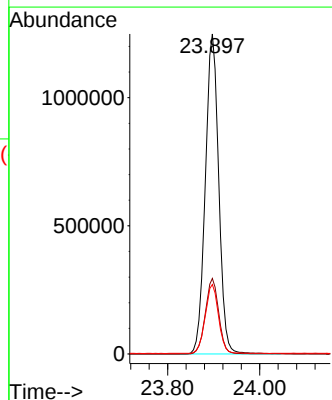
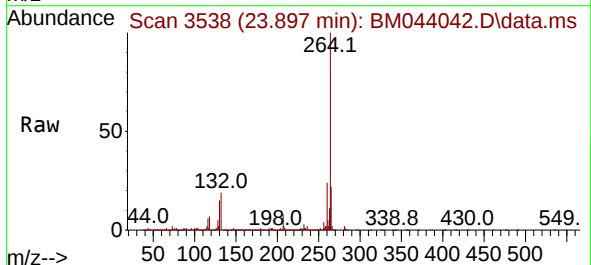
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BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

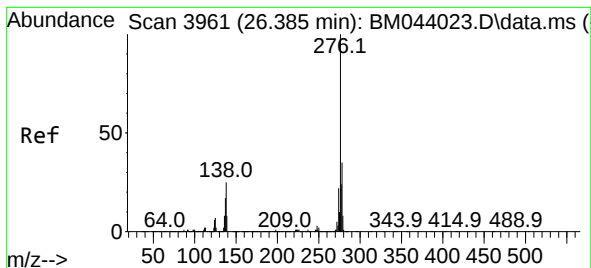
Tgt Ion:149 Resp: 1000632  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.4 7.0 10.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.897 min Scan# 3538  
Delta R.T. 0.000 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:264 Resp: 2534360  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.8 28.2  
265 21.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.762 ng

RT: 26.379 min Scan# 3961

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

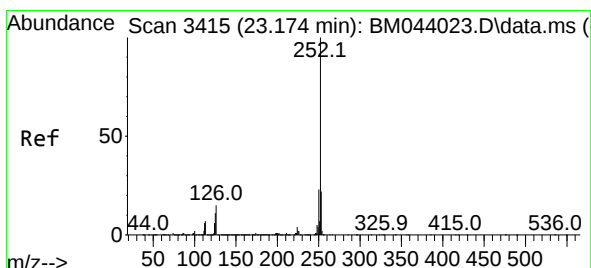
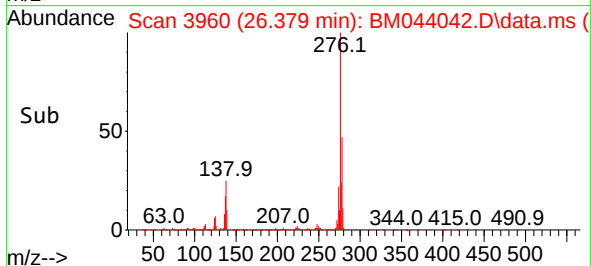
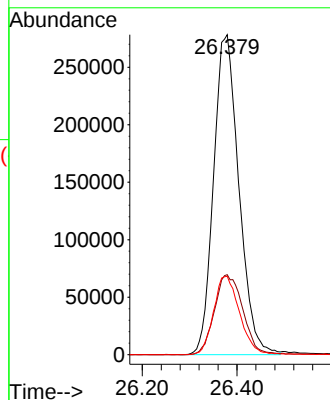
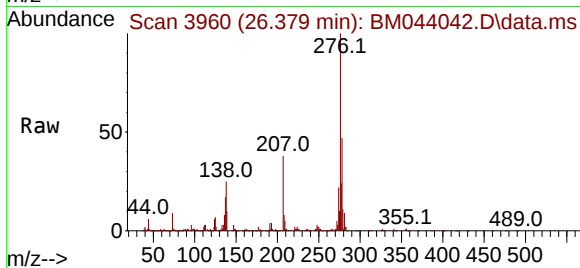
Tgt Ion:276 Resp: 1033523

Ion Ratio Lower Upper

276 100

138 28.1 22.6 34.0

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 5.920 ng

RT: 23.168 min Scan# 3414

Delta R.T. -0.006 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

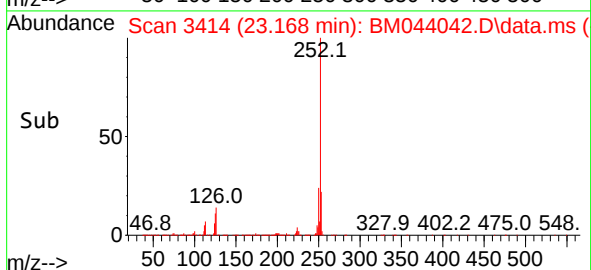
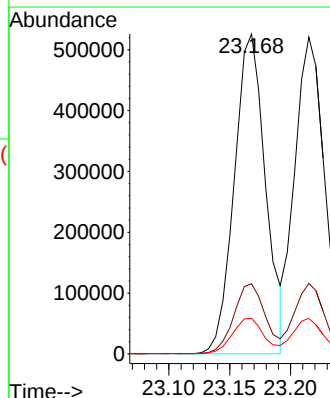
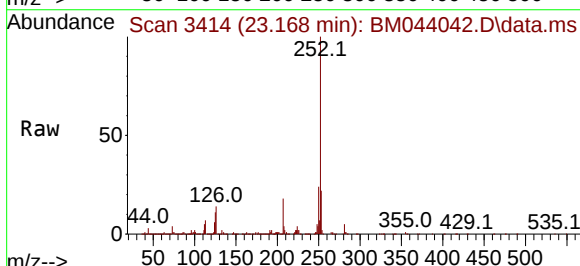
Tgt Ion:252 Resp: 937944

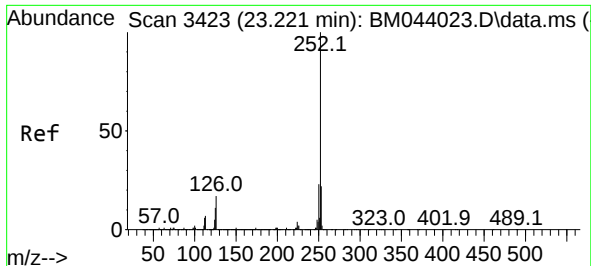
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.2 8.8 13.2

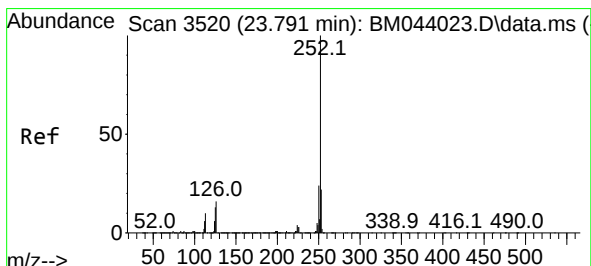
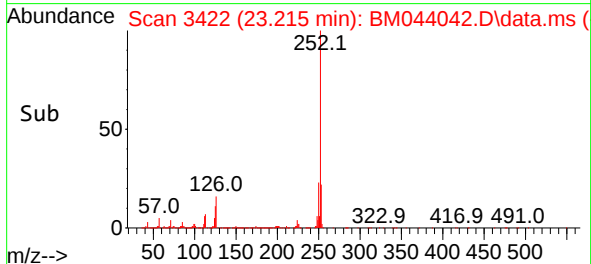
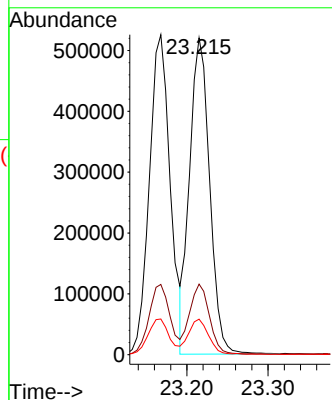
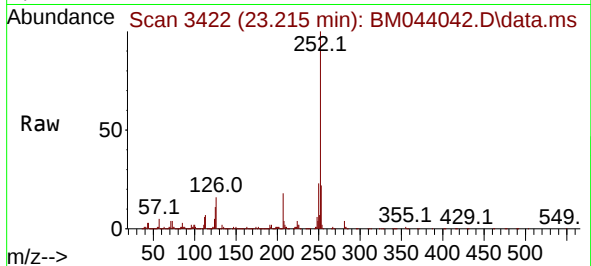




#89  
Benzo(k)fluoranthene  
Concen: 5.941 ng  
RT: 23.215 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

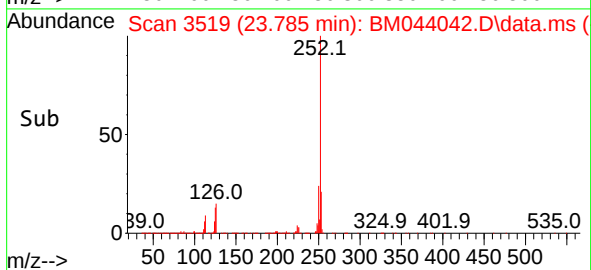
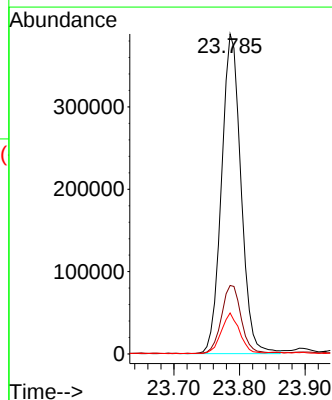
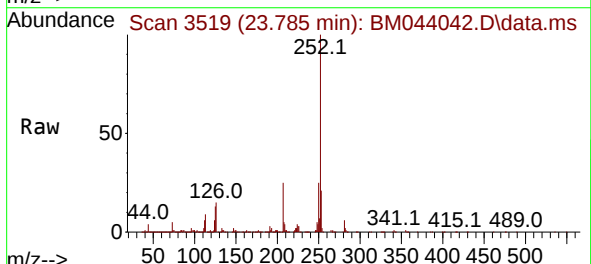
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BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

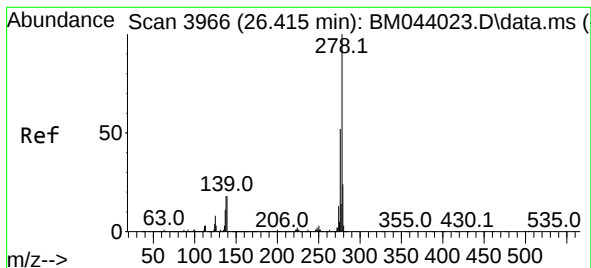
Tgt Ion:252 Resp: 894408  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 11.2 9.0 13.4



#90  
Benzo(a)pyrene  
Concen: 5.761 ng  
RT: 23.785 min Scan# 3519  
Delta R.T. -0.006 min  
Lab File: BM044042.D  
Acq: 09 Feb 2024 16:42

Tgt Ion:252 Resp: 797265  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.7 26.5  
125 12.8 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 5.868 ng

RT: 26.403 min Scan# 3966

Delta R.T. -0.012 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

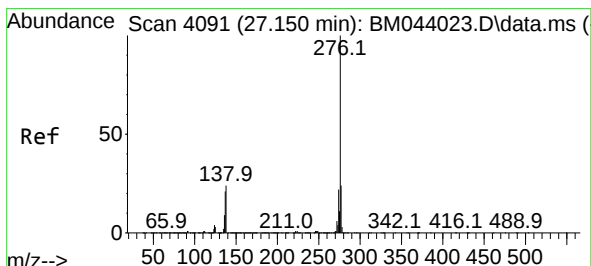
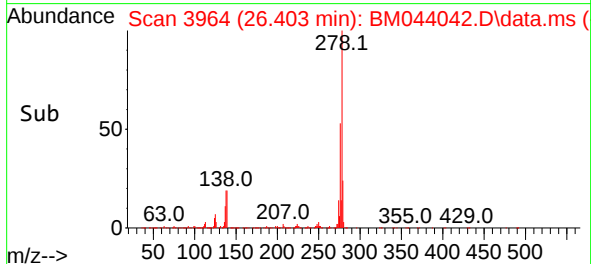
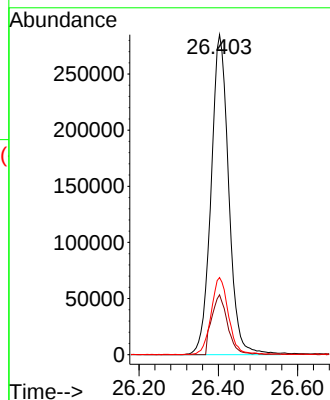
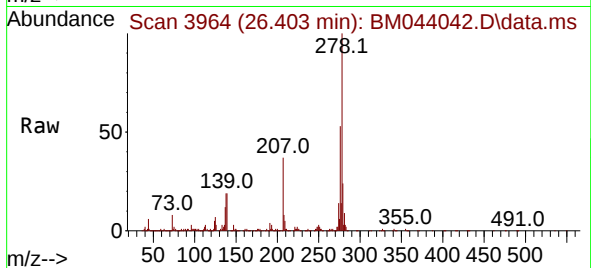
Tgt Ion:278 Resp: 880433

Ion Ratio Lower Upper

278 100

139 18.7 14.5 21.7

279 24.1 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 5.537 ng

RT: 27.132 min Scan# 4088

Delta R.T. -0.018 min

Lab File: BM044042.D

Acq: 09 Feb 2024 16:42

Tgt Ion:276 Resp: 842585

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 23.9 19.1 28.7

