

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120524\  
 Data File : BN035419.D  
 Acq On : 04 Dec 2024 11:41  
 Operator : RC/JU  
 Sample : P4776-04  
 Misc : MDL-SOIL-QT4-2024  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2024-08

Quant Time: Dec 04 12:13:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN120224.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 02 18:25:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.299  | 152  | 108610   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.046 | 136  | 448341   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 13.957 | 164  | 329848   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.728 | 188  | 749936   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 20.980 | 240  | 799012   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.651 | 264  | 884800   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 2.964  | 96   | 7662     | 3.333  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.340  | 84   | 76467    | 12.621 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.499  | 99   | 97828    | 12.644 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.658  | 67   | 56675    | 13.135 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 6.840  | 132  | 82015    | 12.509 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.011  | 113  | 80453    | 11.932 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.440  | 128  | 37648    | 12.925 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.146  | 143  | 44024    | 13.058 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.681  | 165  | 91844    | 12.464 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.199 | 131  | 116450   | 12.798 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.387 | 166  | 314060   | 13.260 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.646 | 160  | 353086   | 13.537 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.193 | 143  | 47228    | 12.110 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 14.969 | 176  | 274680   | 13.430 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.098 | 200  | 43097    | 10.897 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.822 | 188  | 438542   | 13.258 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.145 | 212  | 555711   | 13.168 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.469 | 264  | 580627   | 13.552 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 2.999  | 88   | 3340     | 1.296  | ng/uL# | 86       |
| 5) Pyridine                   | 3.364  | 79   | 25643    | 4.221  | ng/u1  | 92       |
| 6) Benzaldehyde               | 6.464  | 77   | 20241    | 4.850  | ng/u1  | 93       |
| 8) Phenol                     | 6.528  | 94   | 33896    | 4.230  | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 6.752  | 93   | 27905    | 4.448  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 6.869  | 128  | 28600    | 4.191  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 7.752  | 108  | 24445    | 3.929  | ng/u1  | 94       |
| 14) 2,2'-oxybis(1-Chloropr... | 7.822  | 45   | 21194    | 4.274  | ng/u1  | 97       |
| 16) Acetophenone              | 8.111  | 105  | 47382    | 4.450  | ng/u1  | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.105  | 70   | 20052m   | 3.961  | ng/u1  |          |
| 18) 4-Methylphenol            | 8.075  | 108  | 28755    | 4.159  | ng/u1  | 96       |
| 19) Hexachloroethane          | 8.352  | 117  | 12069    | 4.140  | ng/u1  | 89       |
| 22) Nitrobenzene              | 8.475  | 77   | 32627    | 4.459  | ng/u1  | 97       |
| 23) Isophorone                | 9.005  | 82   | 59187    | 4.037  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.181  | 139  | 16123    | 4.221  | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.258  | 107  | 23789    | 3.107  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.493  | 93   | 37596    | 4.209  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 9.705  | 162  | 31964    | 4.287  | ng/u1  | 95       |
| 30) Naphthalene               | 10.099 | 128  | 102248   | 4.487  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.216 | 127  | 38862    | 4.459  | ng/u1  | 100      |
| 33) Hexachlorobutadiene       | 10.393 | 225  | 23839    | 4.530  | ng/u1  | 99       |
| 34) Caprolactam               | 10.987 | 113  | 8380m    | 3.890  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.357 | 107  | 30252    | 3.895  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 11.722 | 142  | 73625    | 4.339  | ng/u1  | 98       |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 02 18:25:21 2024  
 Response via : Initial Calibration

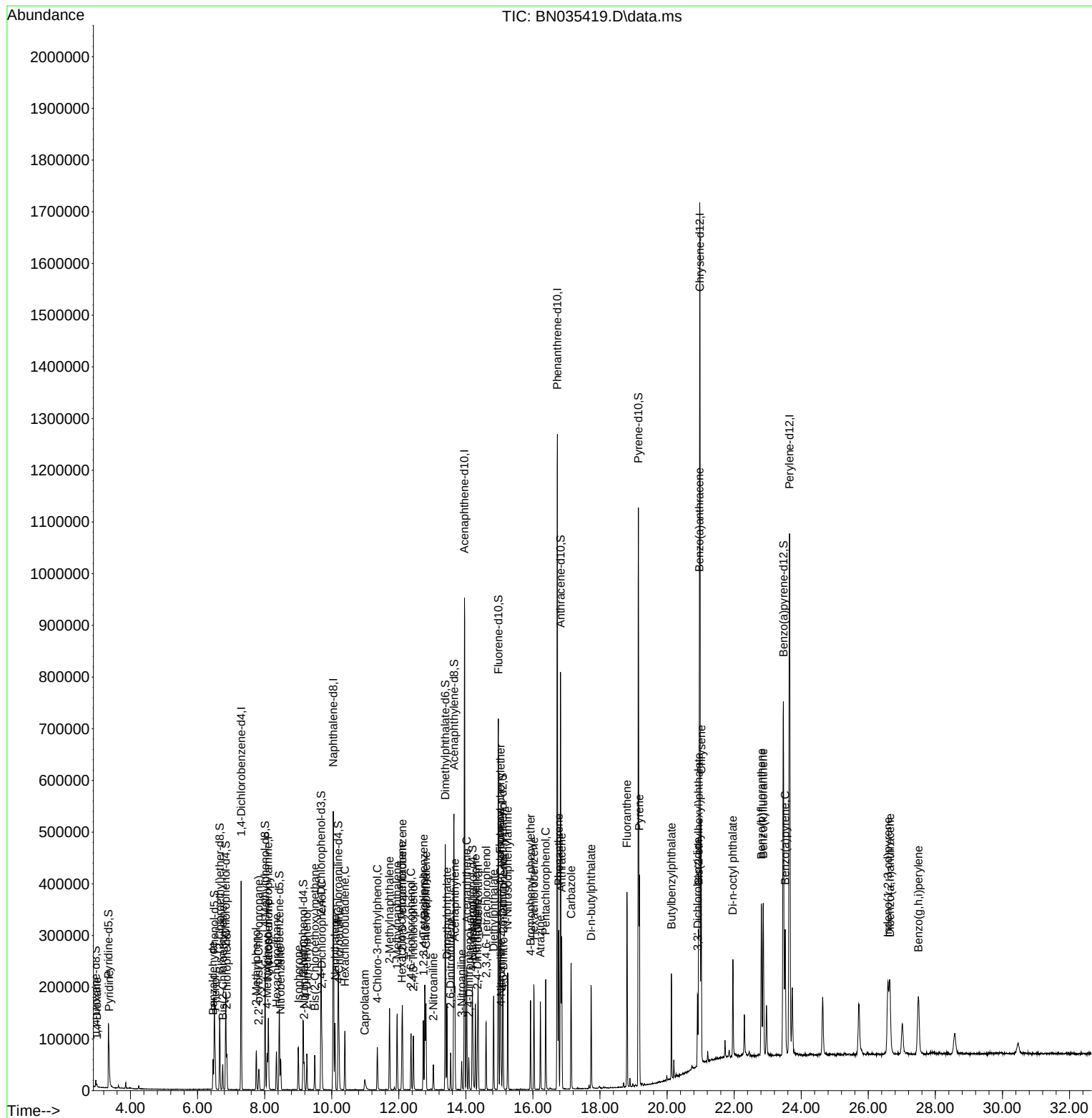
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 11.952 | 142  | 68733    | 3.952 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.104 | 216  | 45743    | 4.706 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.093 | 237  | 19784    | 4.051 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.363 | 196  | 26232    | 4.161 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 12.434 | 196  | 29515    | 4.202 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 12.775 | 154  | 104233   | 4.579 | ng/ul  | 96       |
| 44) 2-Chloronaphthalene       | 12.810 | 162  | 83344    | 4.577 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.028 | 65   | 12678    | 3.543 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 13.434 | 163  | 104349   | 4.404 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.546 | 165  | 14021    | 3.550 | ng/ul  | 90       |
| 50) Acenaphthylene            | 13.669 | 152  | 128718   | 4.643 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 13.875 | 138  | 14215    | 3.476 | ng/ul  | 97       |
| 52) Acenaphthene              | 14.022 | 153  | 89900    | 4.505 | ng/ul  | 94       |
| 53) 2,4-Dinitrophenol         | 14.093 | 184  | 14167    | 5.136 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.204 | 109  | 15416    | 4.185 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.363 | 168  | 132175   | 4.659 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.345 | 165  | 24223    | 3.865 | ng/ul# | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.604 | 232  | 25291    | 4.134 | ng/ul  | 99       |
| 59) Diethylphthalate          | 14.828 | 149  | 96875    | 4.183 | ng/ul  | 99       |
| 61) Fluorene                  | 15.022 | 166  | 106600   | 4.664 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.034 | 204  | 56863    | 4.869 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.051 | 138  | 15768    | 3.975 | ng/ul  | 95       |
| 66) 4,6-Dinitro-2-methylph... | 15.116 | 198  | 18947    | 4.421 | ng/ul  | 96       |
| 67) N-Nitrosodiphenylamine    | 15.251 | 169  | 89226    | 4.478 | ng/ul  | 100      |
| 68) 4-Bromophenyl-phenylether | 15.928 | 248  | 33471    | 4.413 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.028 | 284  | 41460    | 4.605 | ng/ul  | 97       |
| 70) Atrazine                  | 16.222 | 200  | 32218    | 4.528 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.381 | 266  | 34775    | 6.084 | ng/ul  | 98       |
| 72) Phenanthrene              | 16.769 | 178  | 180460   | 4.674 | ng/ul  | 97       |
| 74) Anthracene                | 16.857 | 178  | 174415   | 4.474 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.734 | 216  | 41381    | 4.162 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.287 | 250  | 42055    | 4.109 | ng/uL  | 96       |
| 77) Carbazole                 | 17.139 | 167  | 154533   | 4.764 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.734 | 149  | 156515   | 4.145 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.804 | 202  | 219468   | 4.431 | ng/ul  | 100      |
| 82) Pyrene                    | 19.175 | 202  | 244082   | 4.595 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.128 | 149  | 57833    | 3.863 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 20.910 | 252  | 44699    | 3.138 | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 20.963 | 228  | 244431   | 4.557 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 20.939 | 149  | 92003    | 3.898 | ng/ul  | 99       |
| 87) Chrysene                  | 21.016 | 228  | 232570   | 4.500 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.963 | 149  | 142804   | 3.551 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.810 | 252  | 223249   | 4.377 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 22.869 | 252  | 232121   | 4.445 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.521 | 252  | 203652   | 4.255 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.586 | 276  | 231208   | 4.049 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.645 | 278  | 189171m  | 4.089 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 27.492 | 276  | 176611   | 4.075 | ng/ul  | 98       |

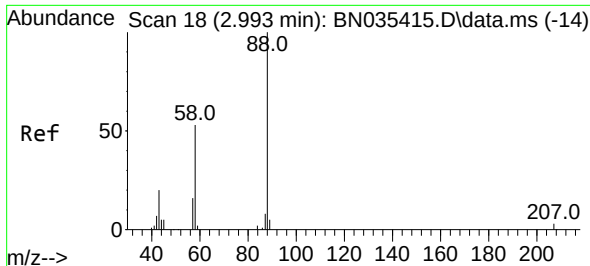
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 6 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Dec 02 18:25:21 2024  
Response via : Initial Calibration

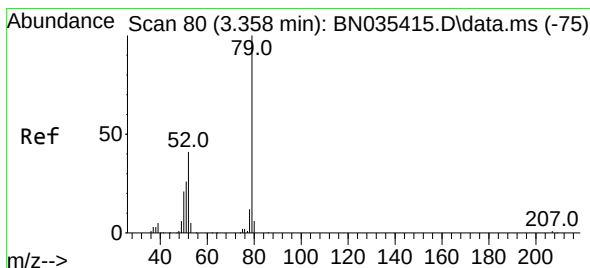
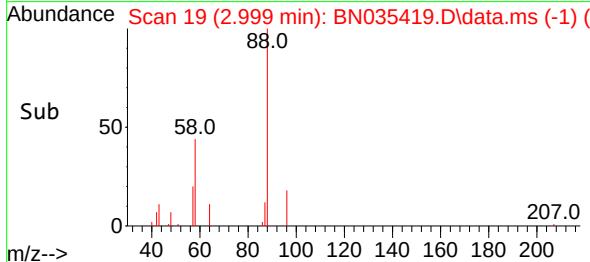
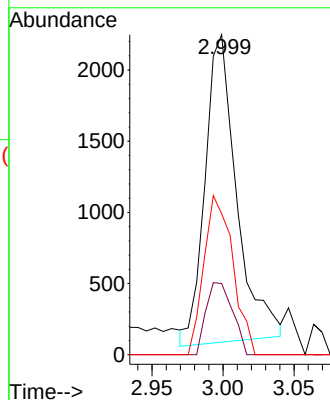
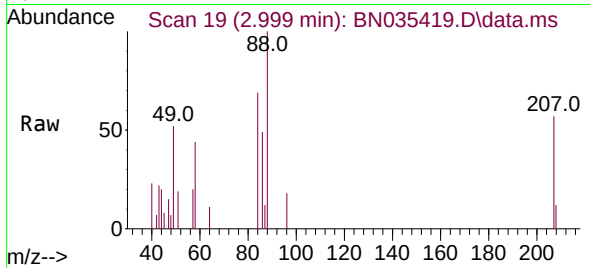




#2  
1,4-Dioxane  
Concen: 1.296 ng/uL  
RT: 2.999 min Scan# 19  
Delta R.T. 0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

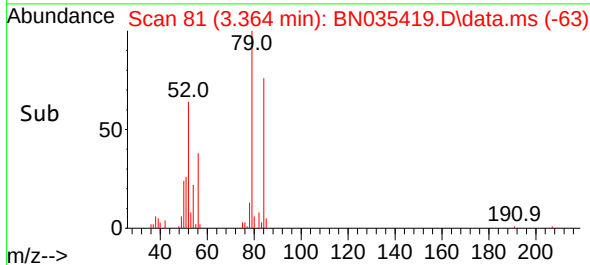
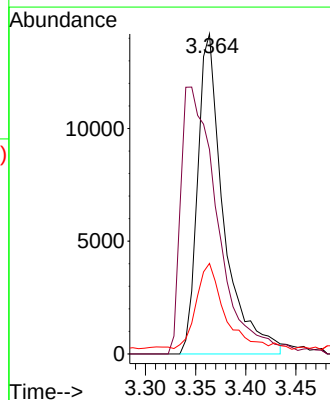
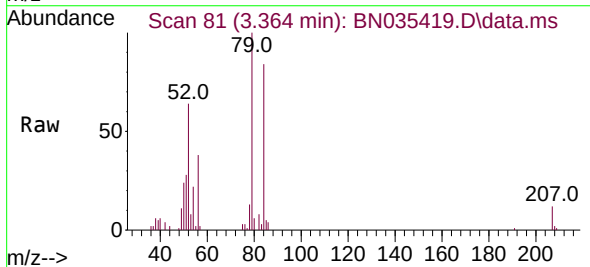
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

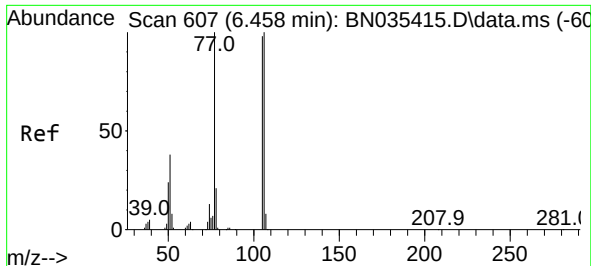
Tgt Ion: 88 Resp: 3340  
Ion Ratio Lower Upper  
88 100  
43 22.3 14.0 21.0#  
58 44.1 44.0 66.0



#5  
Pyridine  
Concen: 4.221 ng/uL  
RT: 3.364 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion: 79 Resp: 25643  
Ion Ratio Lower Upper  
79 100  
52 63.9 44.5 66.7  
51 28.3 22.6 33.8

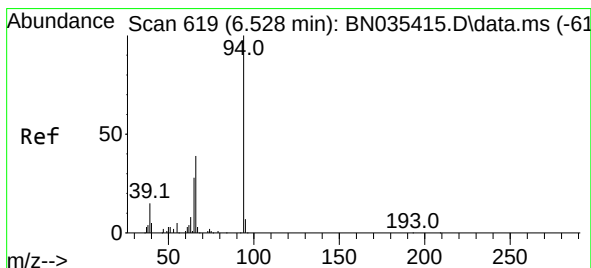
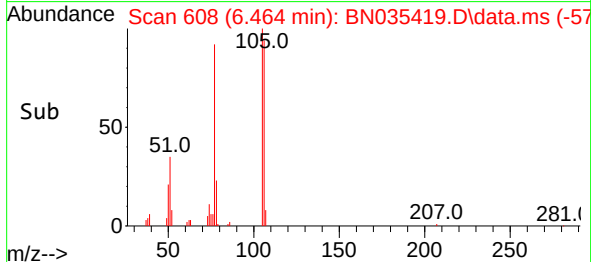
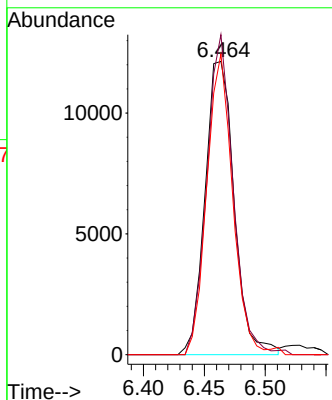
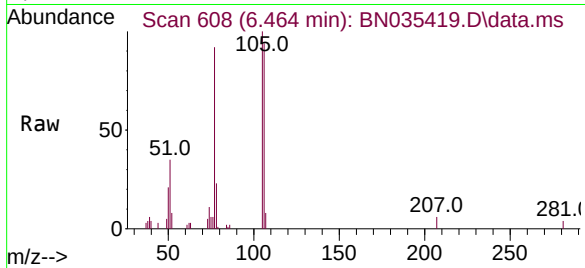




#6  
Benzaldehyde  
Concen: 4.850 ng/ul  
RT: 6.464 min Scan# 607  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

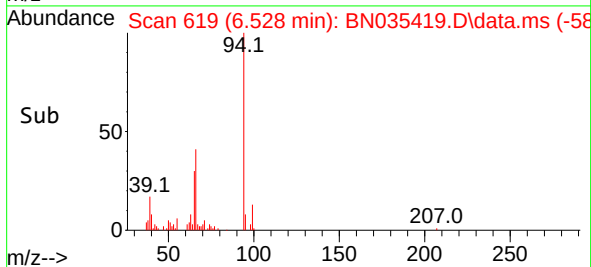
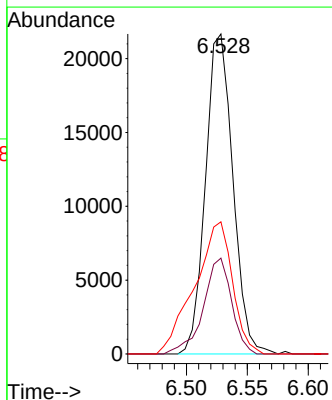
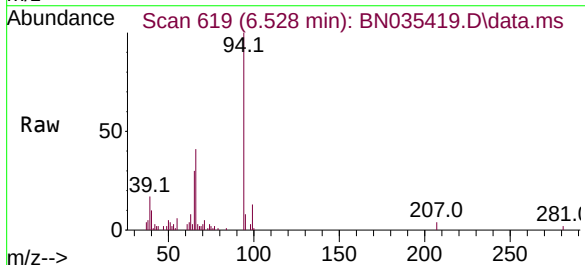
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

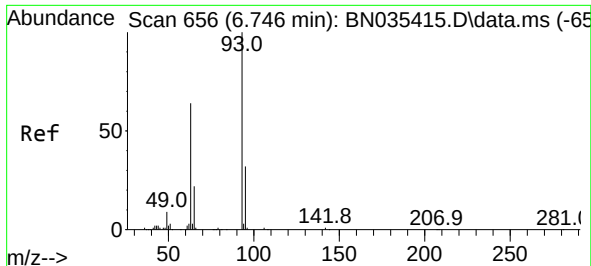
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 20241 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 105 109.1   | 82.2 123.2  |
| 106 102.5   | 76.2 114.4  |



#8  
Phenol  
Concen: 4.230 ng/ul  
RT: 6.528 min Scan# 619  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

|             |             |
|-------------|-------------|
| Tgt Ion: 94 | Resp: 33896 |
| Ion Ratio   | Lower Upper |
| 94 100      |             |
| 65 29.9     | 21.6 32.4   |
| 66 41.3     | 32.1 48.1   |



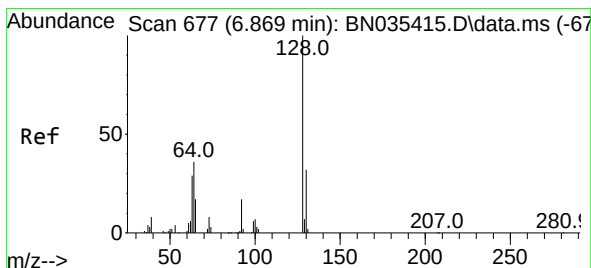
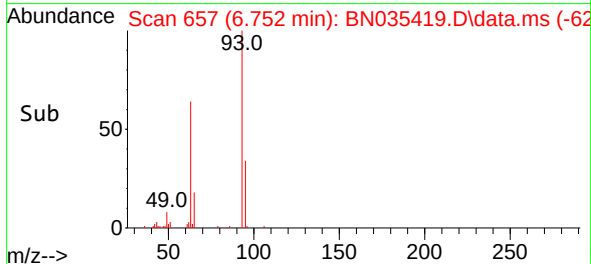
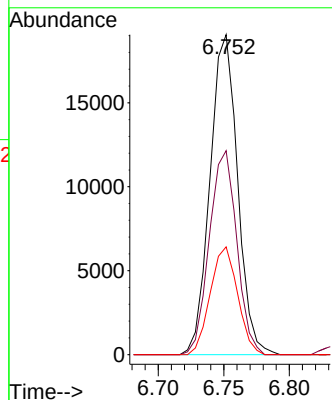
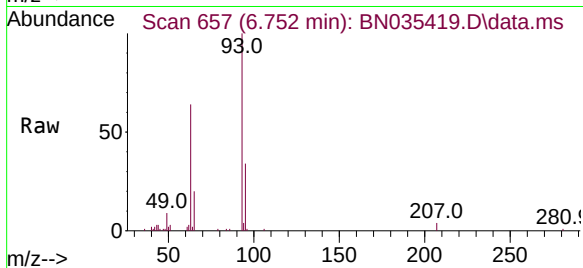


#10  
 Bis(2-Chloroethyl)ether  
 Concen: 4.448 ng/ul  
 RT: 6.752 min Scan# 657  
 Delta R.T. 0.000 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2024-08

Tgt Ion: 93 Resp: 27905  

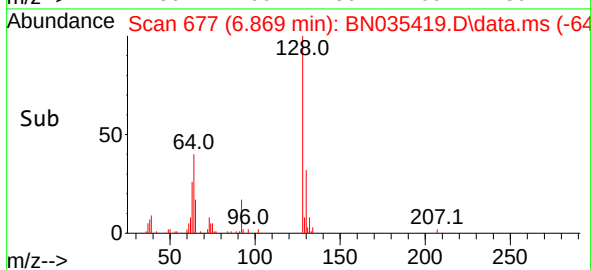
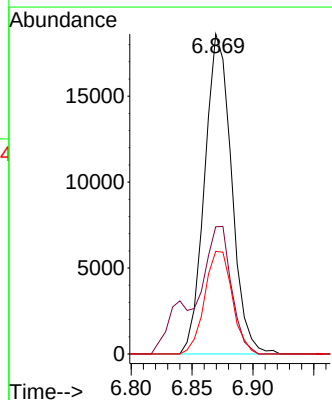
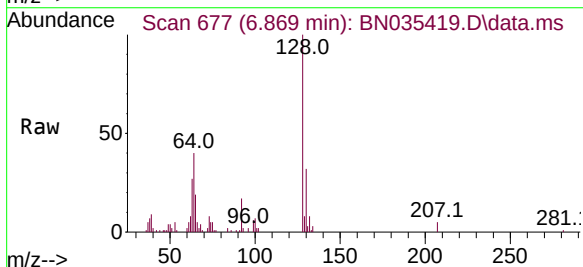
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 63.8  | 51.5  | 77.3  |
| 95  | 33.7  | 25.3  | 37.9  |

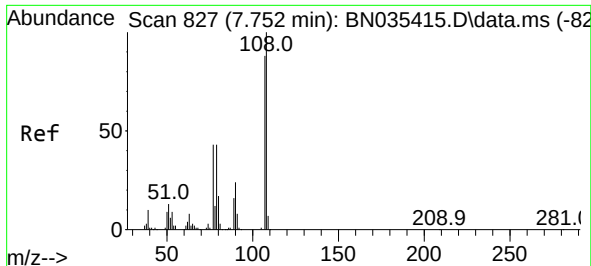


#12  
 2-Chlorophenol  
 Concen: 4.191 ng/ul  
 RT: 6.869 min Scan# 677  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

Tgt Ion: 128 Resp: 28600  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 64  | 39.8  | 32.9  | 49.3  |
| 130 | 32.1  | 26.8  | 40.2  |

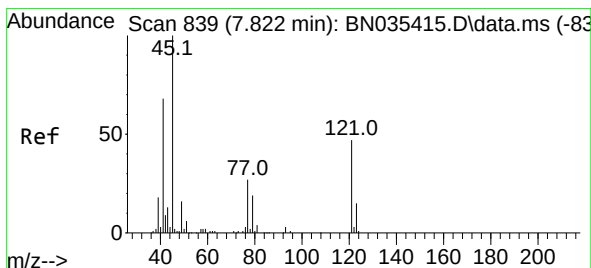
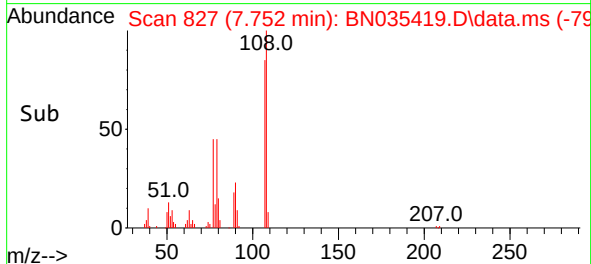
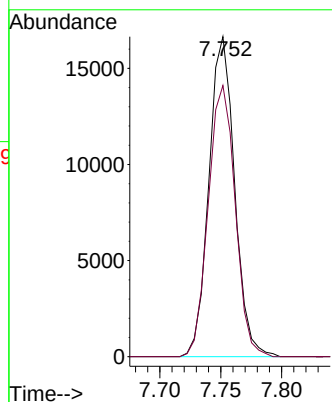
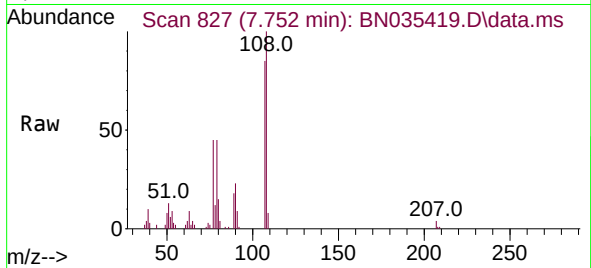




#13  
2-Methylphenol  
Concen: 3.929 ng/ul  
RT: 7.752 min Scan# 827  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

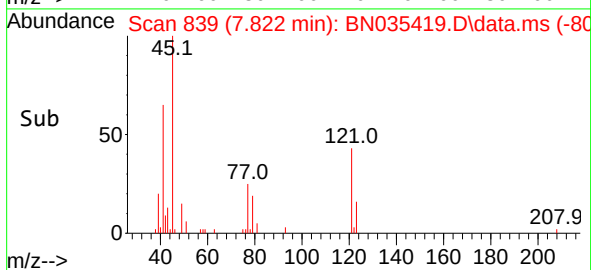
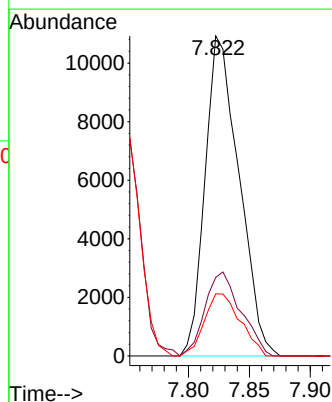
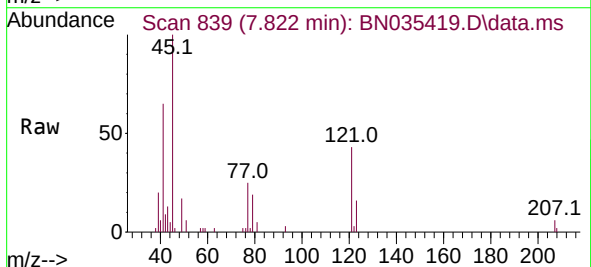
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

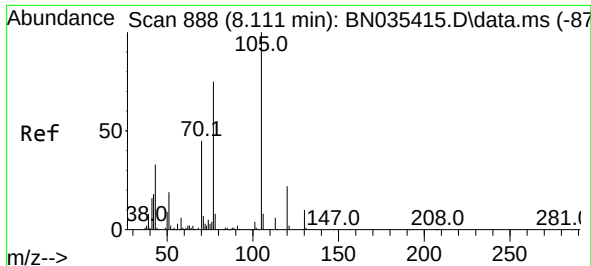
Tgt Ion:108 Resp: 24445  
Ion Ratio Lower Upper  
108 100  
107 84.8 72.3 108.5



#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.274 ng/ul  
RT: 7.822 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion: 45 Resp: 21194  
Ion Ratio Lower Upper  
45 100  
77 24.5 20.7 31.1  
79 19.4 14.4 21.6

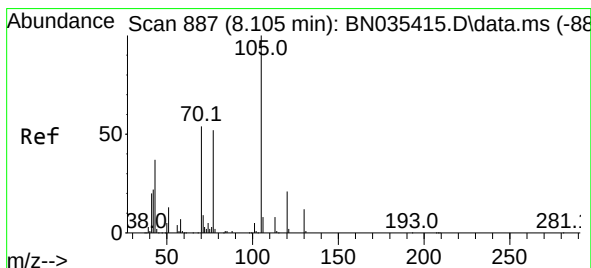
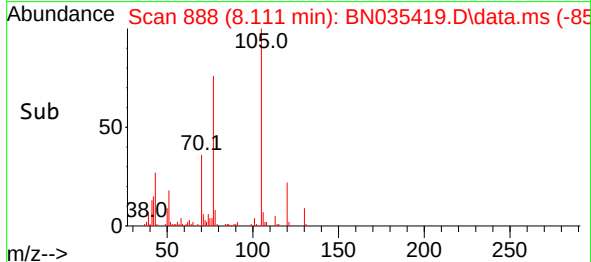
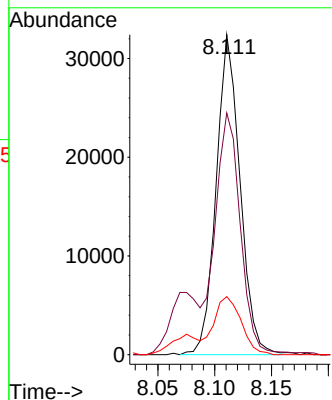
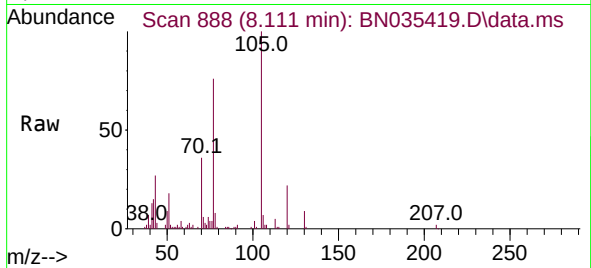




#16  
Acetophenone  
Concen: 4.450 ng/ul  
RT: 8.111 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

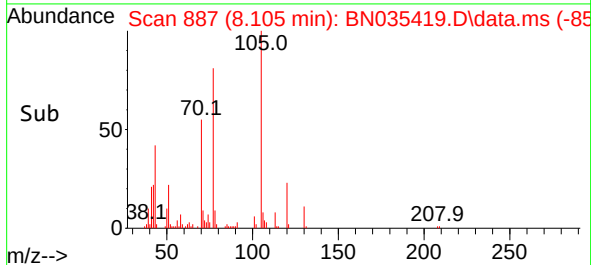
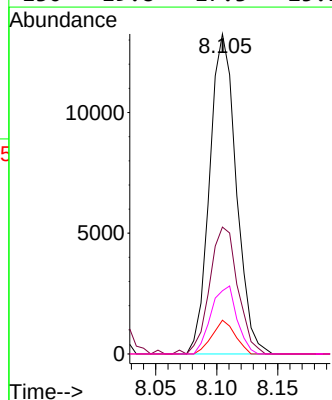
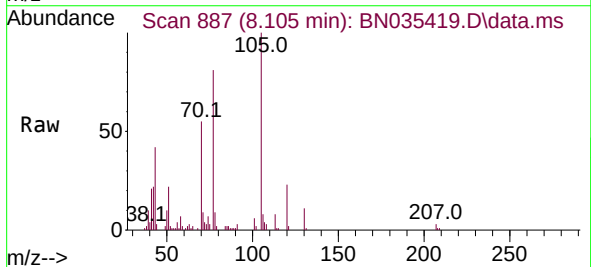
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

Tgt Ion:105 Resp: 47382  
Ion Ratio Lower Upper  
105 100  
77 75.6 61.6 92.4  
51 18.2 16.2 24.2

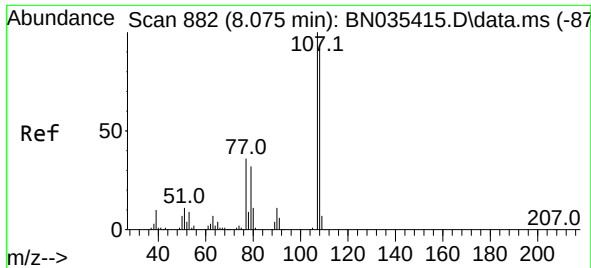


#17  
N-Nitroso-di-n-propylamine  
Concen: 3.961 ng/ul m  
RT: 8.105 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion: 70 Resp: 20052  
Ion Ratio Lower Upper  
70 100  
42 39.7 34.6 52.0  
101 10.5 8.5 12.7  
130 19.8 17.3 25.9



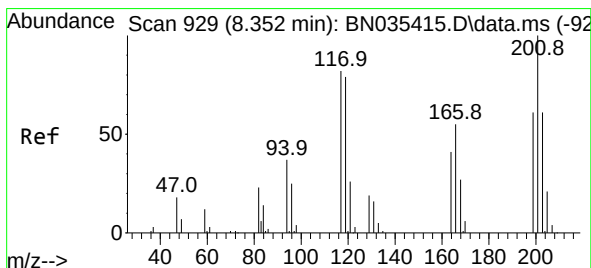
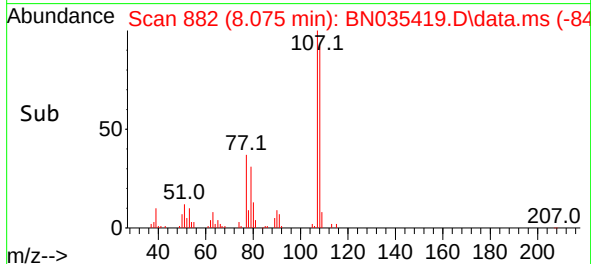
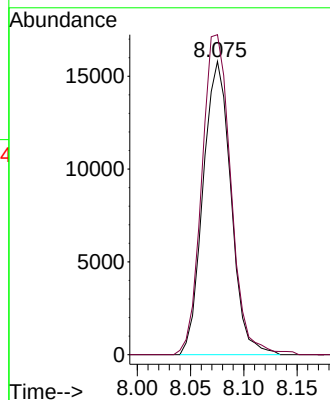
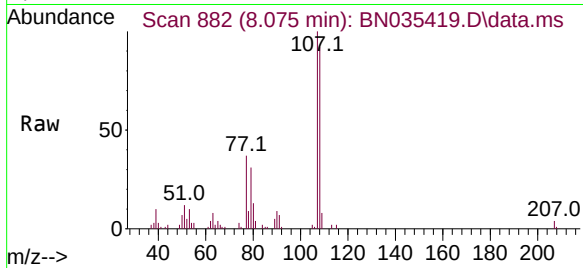




#18  
4-Methylphenol  
Concen: 4.159 ng/ul  
RT: 8.075 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

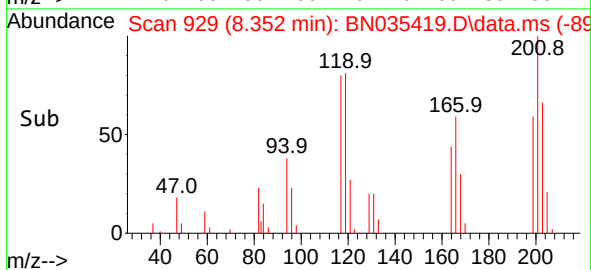
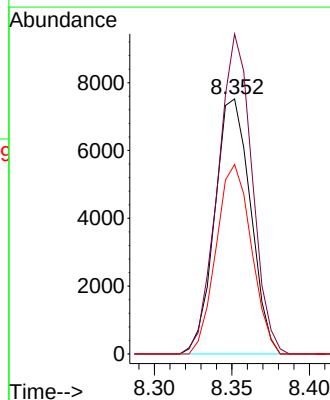
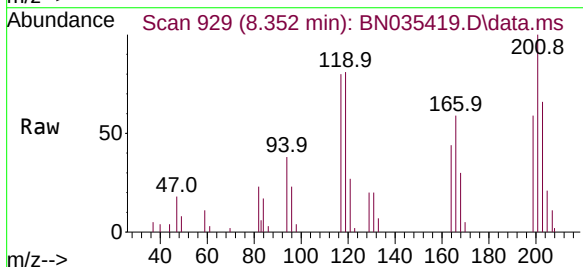
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

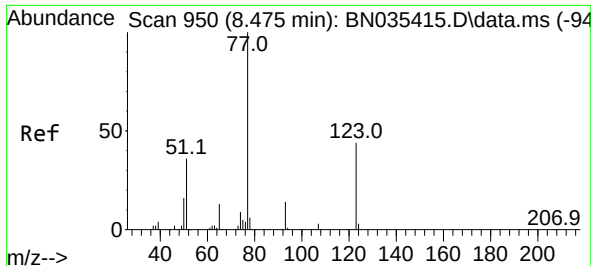
Tgt Ion:108 Resp: 28755  
Ion Ratio Lower Upper  
108 100  
107 109.1 90.7 136.1



#19  
Hexachloroethane  
Concen: 4.140 ng/ul  
RT: 8.352 min Scan# 929  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:117 Resp: 12069  
Ion Ratio Lower Upper  
117 100  
201 125.5 88.2 132.4  
199 74.3 55.6 83.4

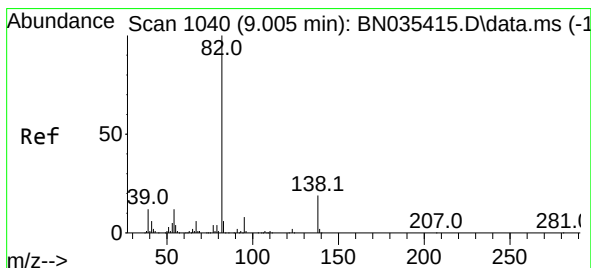
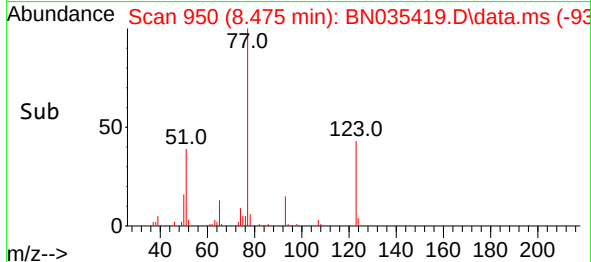
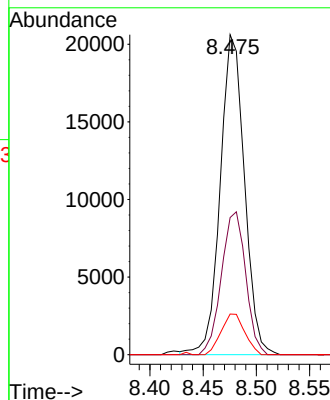
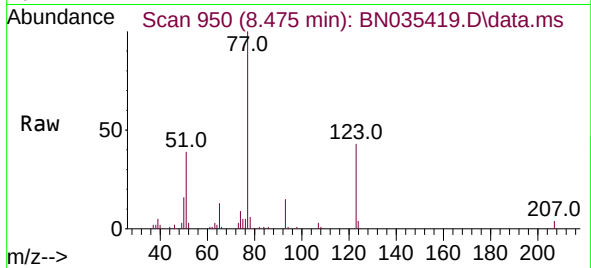




#22  
Nitrobenzene  
Concen: 4.459 ng/ul  
RT: 8.475 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

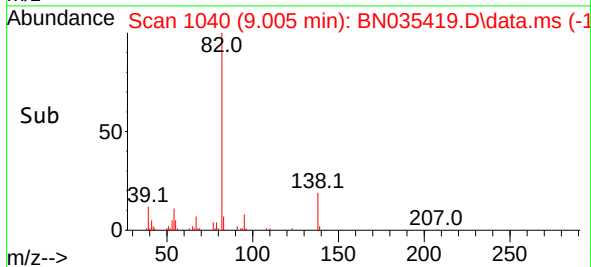
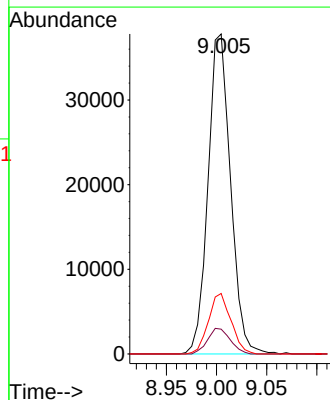
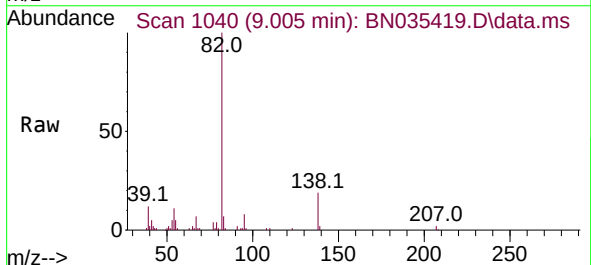
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

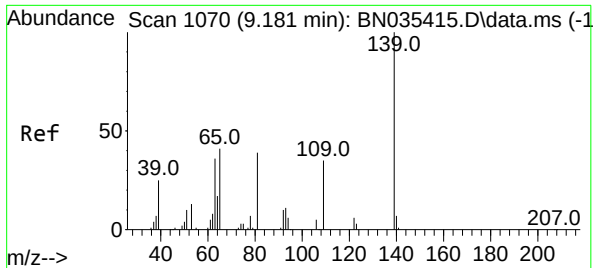
Tgt Ion: 77 Resp: 32627  
Ion Ratio Lower Upper  
77 100  
123 42.9 36.1 54.1  
65 12.7 10.3 15.5



#23  
Isophorone  
Concen: 4.037 ng/ul  
RT: 9.005 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion: 82 Resp: 59187  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.2 9.4  
138 18.9 14.5 21.7

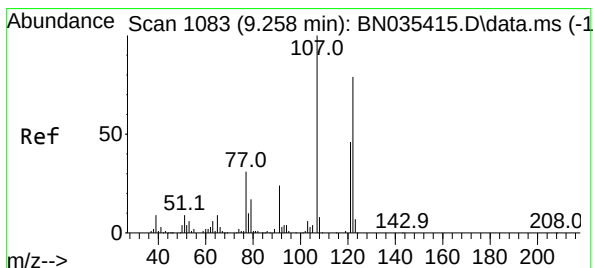
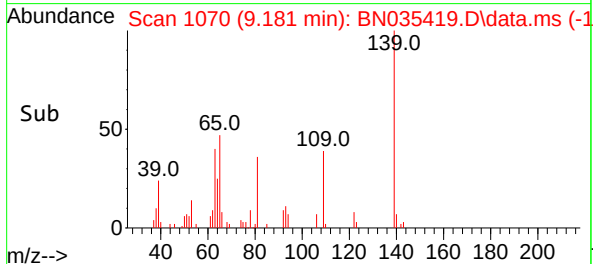
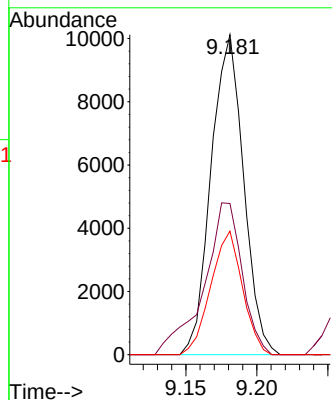
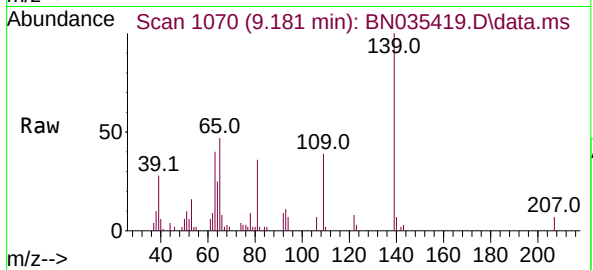




#25  
2-Nitrophenol  
Concen: 4.221 ng/ul  
RT: 9.181 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

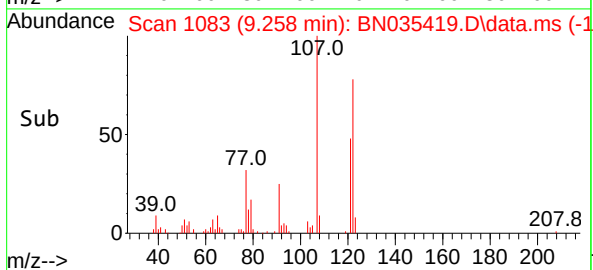
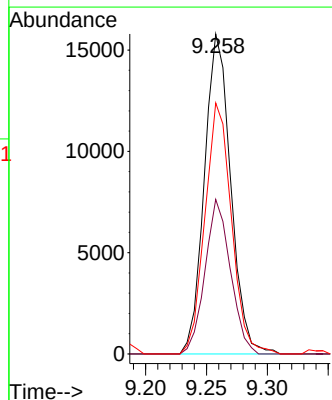
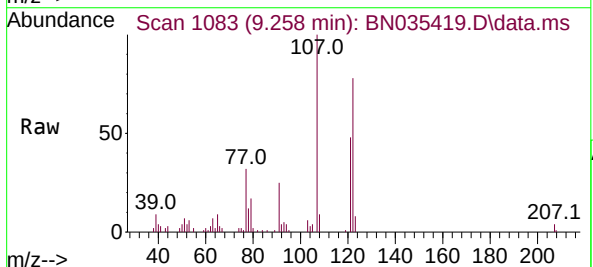
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2024-08

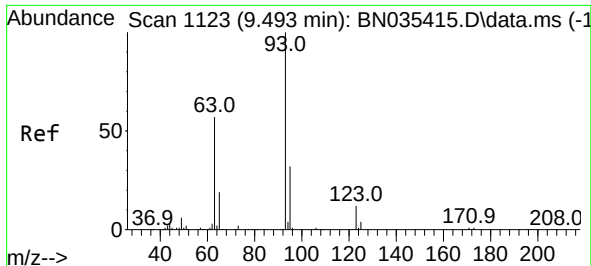
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:139 | Resp: | 16123     |
| Ion Ratio   | Lower | Upper     |
| 139         | 100   |           |
| 65          | 47.2  | 37.4 56.0 |
| 109         | 38.6  | 28.6 42.8 |



#26  
2,4-Dimethylphenol  
Concen: 3.107 ng/ul  
RT: 9.258 min Scan# 1083  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:107 | Resp: | 23789     |
| Ion Ratio   | Lower | Upper     |
| 107         | 100   |           |
| 121         | 48.3  | 38.1 57.1 |
| 122         | 78.4  | 63.8 95.6 |





#27

Bis(2-Chloroethoxy)methane

Concen: 4.209 ng/ul

RT: 9.493 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

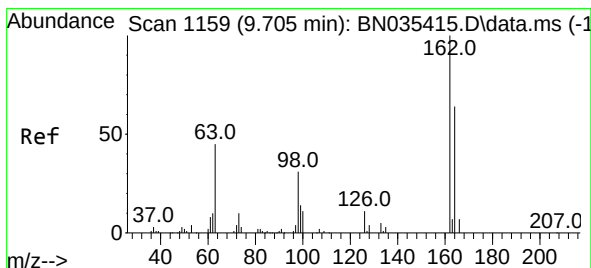
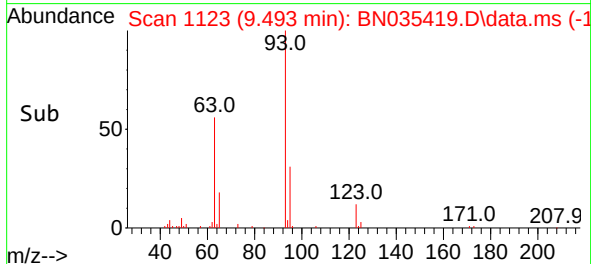
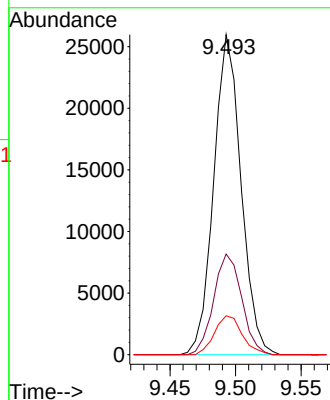
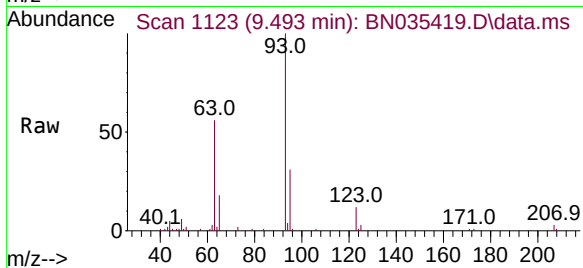
Tgt Ion: 93 Resp: 37596

Ion Ratio Lower Upper

93 100

95 31.4 24.9 37.3

123 12.2 9.4 14.0



#29

2,4-Dichlorophenol

Concen: 4.287 ng/ul

RT: 9.705 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

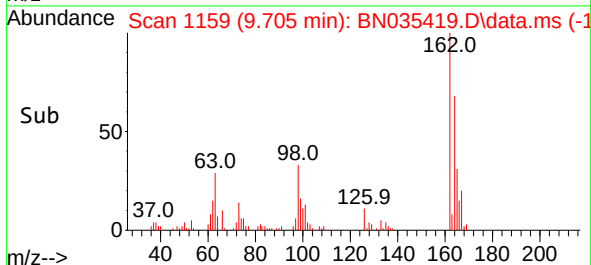
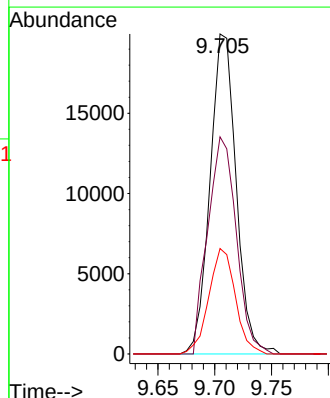
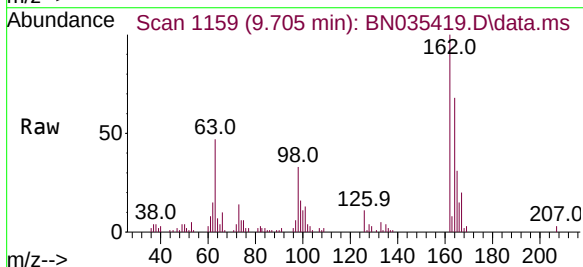
Tgt Ion:162 Resp: 31964

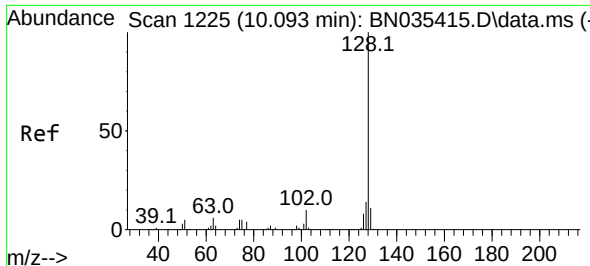
Ion Ratio Lower Upper

162 100

164 67.9 49.6 74.4

98 32.9 26.1 39.1

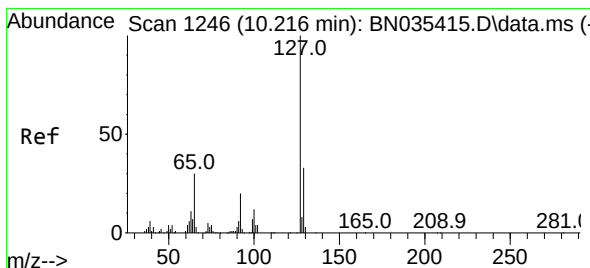
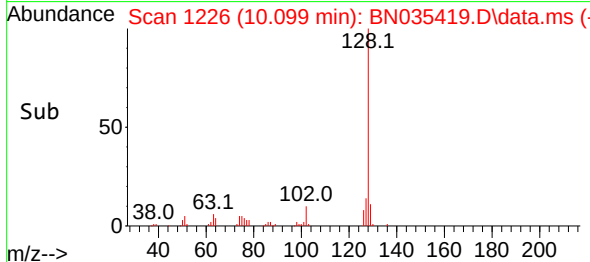
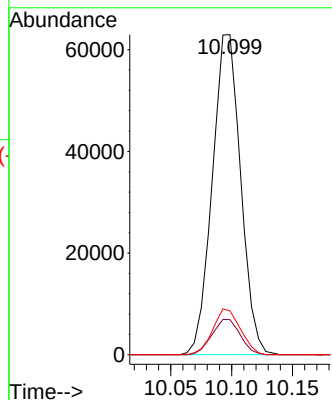
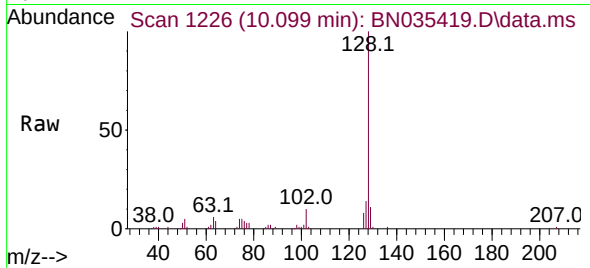




#30  
Naphthalene  
Concen: 4.487 ng/ul  
RT: 10.099 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

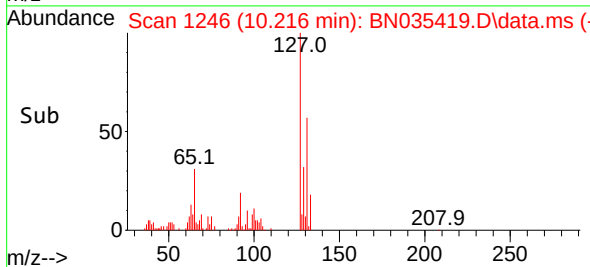
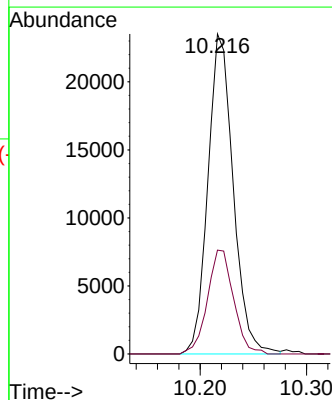
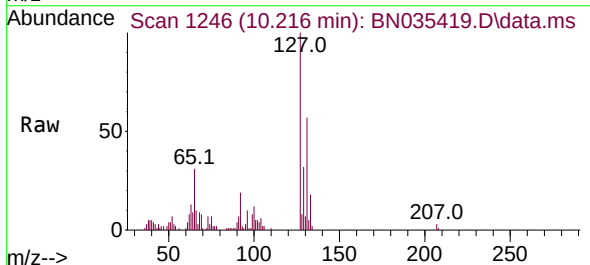
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

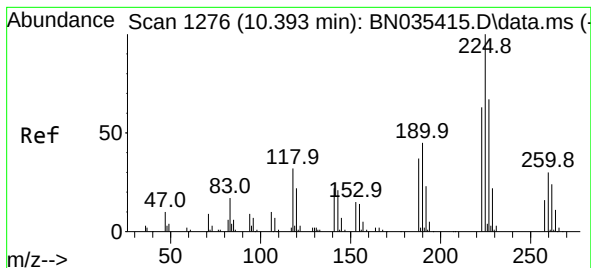
Tgt Ion:128 Resp: 102248  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.0 13.6  
127 13.7 11.1 16.7



#32  
4-Chloroaniline  
Concen: 4.459 ng/ul  
RT: 10.216 min Scan# 1246  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:127 Resp: 38862  
Ion Ratio Lower Upper  
127 100  
129 32.5 25.8 38.6





#33

Hexachlorobutadiene

Concen: 4.530 ng/ul

RT: 10.393 min Scan# 1276

Delta R.T. -0.000 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

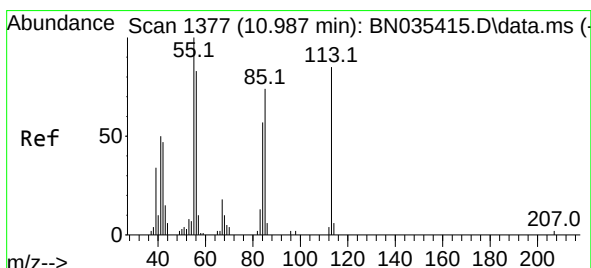
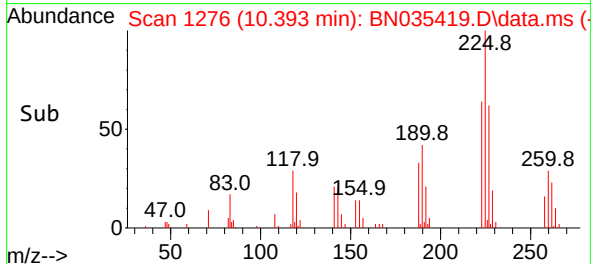
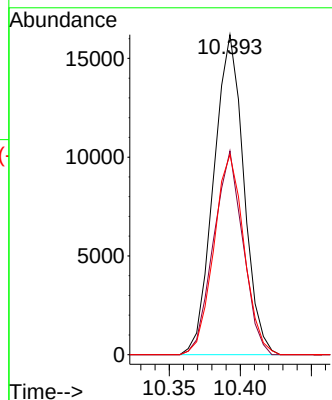
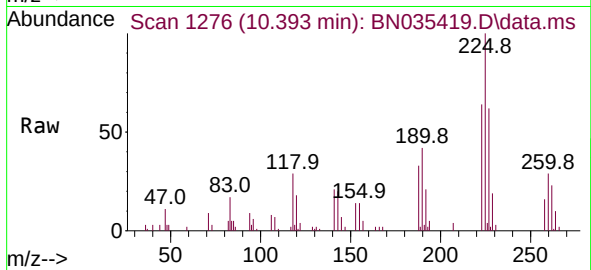
Tgt Ion:225 Resp: 23839

Ion Ratio Lower Upper

225 100

223 63.7 49.8 74.8

227 64.9 51.7 77.5



#34

Caprolactam

Concen: 3.890 ng/ul m

RT: 10.987 min Scan# 1377

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

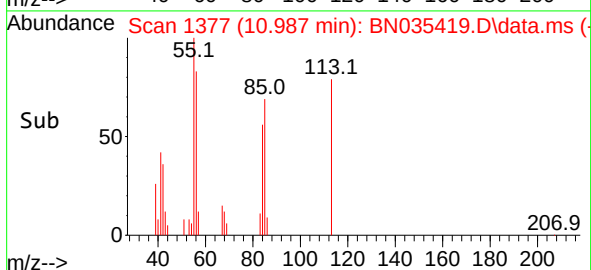
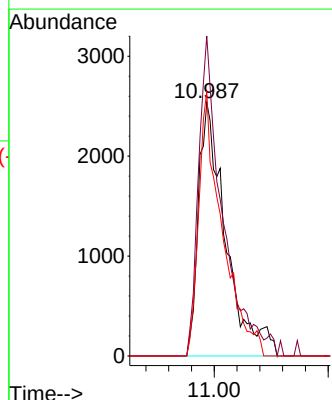
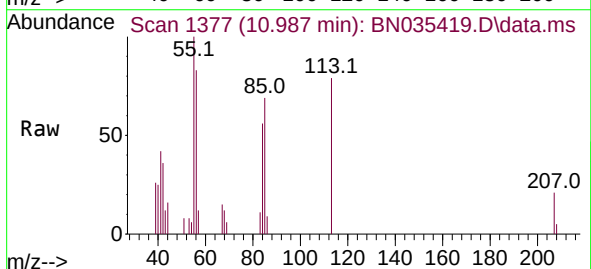
Tgt Ion:113 Resp: 8380

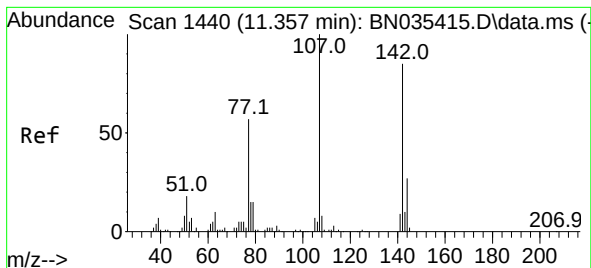
Ion Ratio Lower Upper

113 100

55 126.2 89.3 133.9

56 104.4 69.4 104.0#

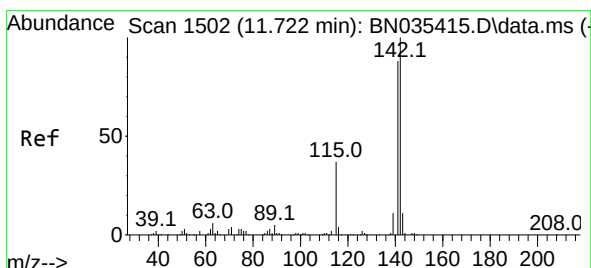
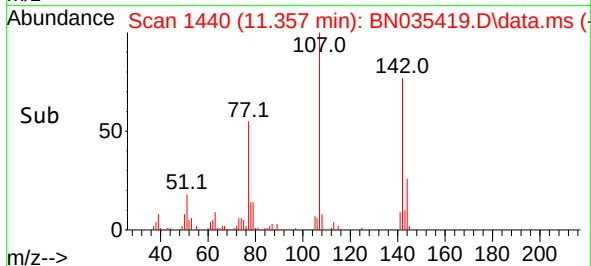
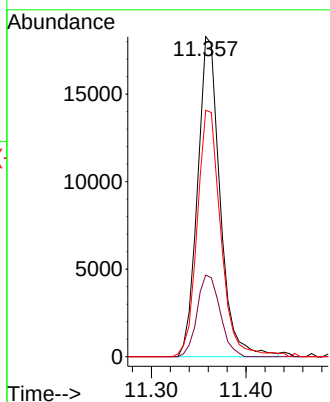
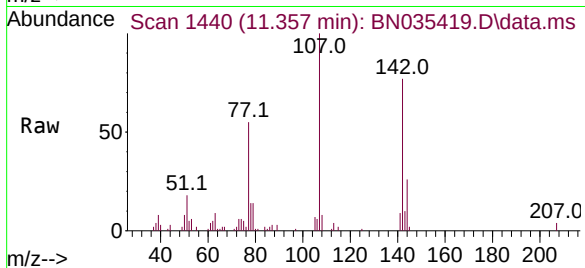




#35  
4-Chloro-3-methylphenol  
Concen: 3.895 ng/ul  
RT: 11.357 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

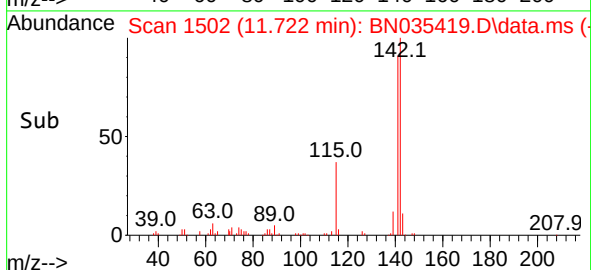
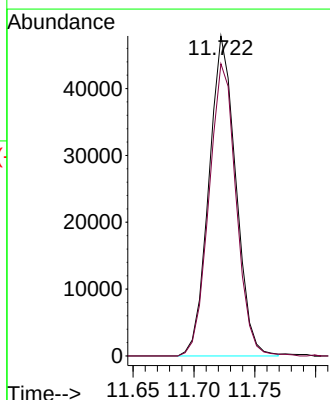
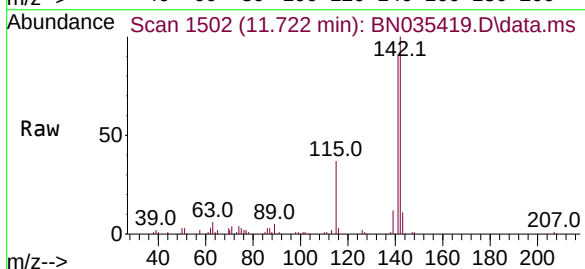
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

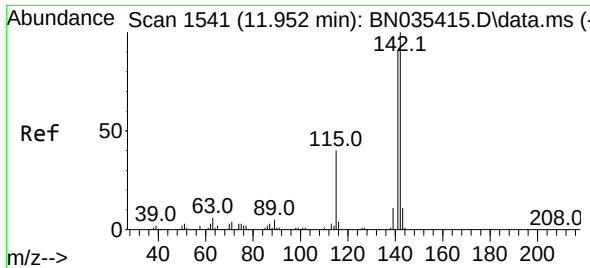
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 25.5  | 20.8  | 31.2  |
| 142     | 77.0  | 63.4  | 95.2  |



#36  
2-Methylnaphthalene  
Concen: 4.339 ng/ul  
RT: 11.722 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 71.2  | 106.8 |

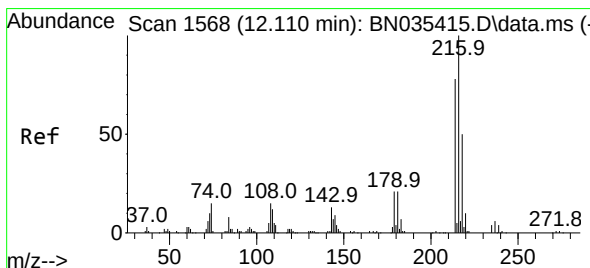
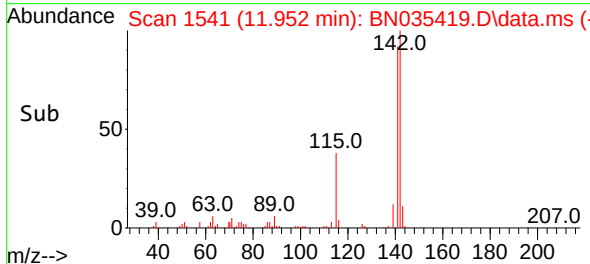
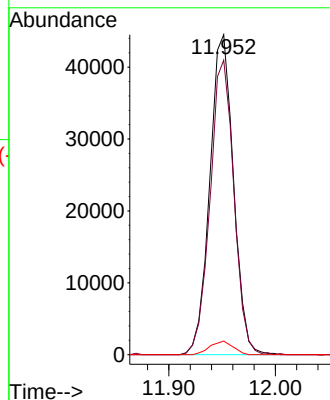
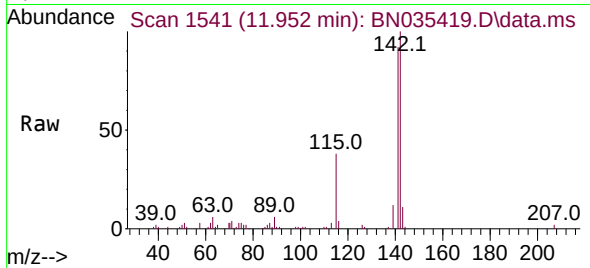




#37  
1-Methylnaphthalene  
Concen: 3.952 ng/ul  
RT: 11.952 min Scan# 1541  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

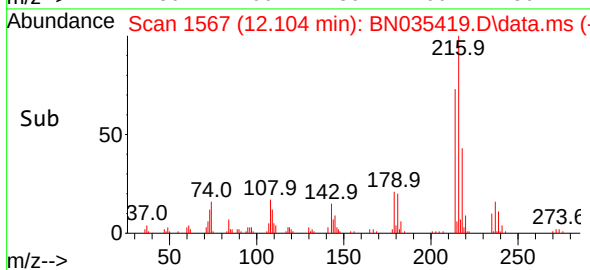
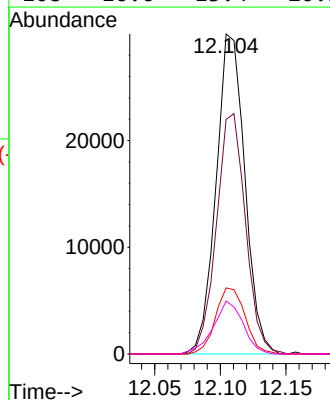
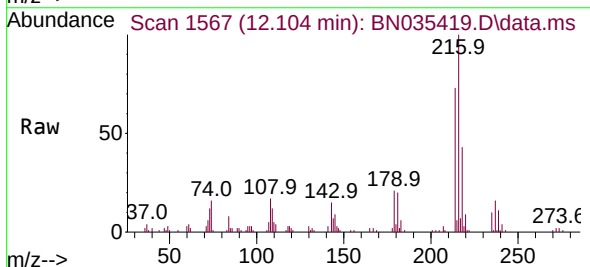
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

Tgt Ion:142 Resp: 68733  
Ion Ratio Lower Upper  
142 100  
141 92.0 72.6 108.8  
116 4.3 3.1 4.7

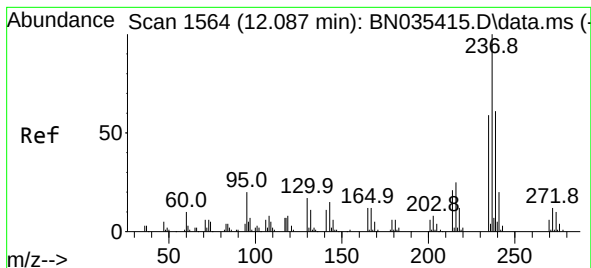


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.706 ng/ul  
RT: 12.104 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:216 Resp: 45743  
Ion Ratio Lower Upper  
216 100  
214 73.3 63.1 94.7  
179 20.7 18.1 27.1  
108 16.6 13.4 20.2







#40

Hexachlorocyclopentadiene

Concen: 4.051 ng/ul

RT: 12.093 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BN035419.D

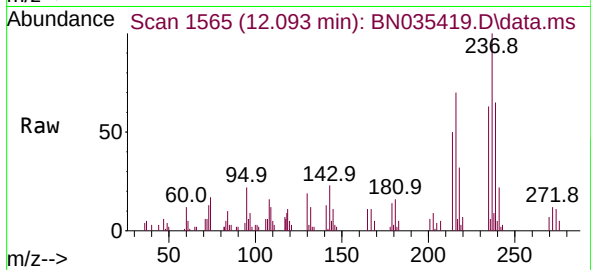
Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

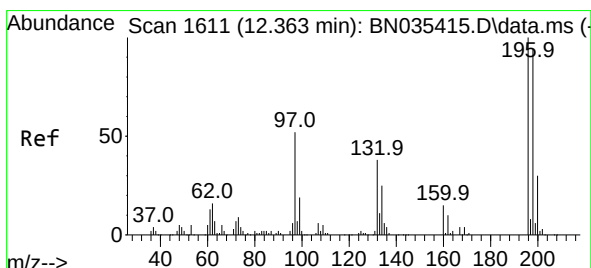
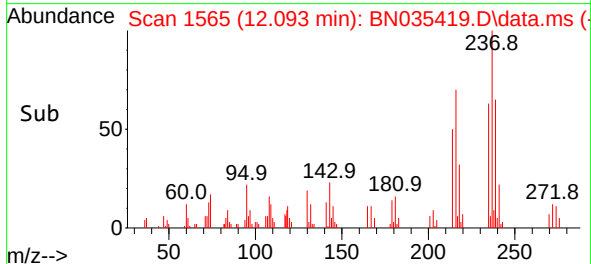
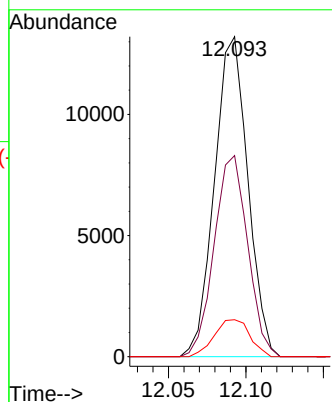
ClientSampleId :

MDL-SOIL-QT4-2024-08



Tgt Ion:237 Resp: 19784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 62.9  | 47.0  | 70.4  |
| 272 | 11.6  | 9.6   | 14.4  |



#41

2,4,6-Trichlorophenol

Concen: 4.161 ng/ul

RT: 12.363 min Scan# 1611

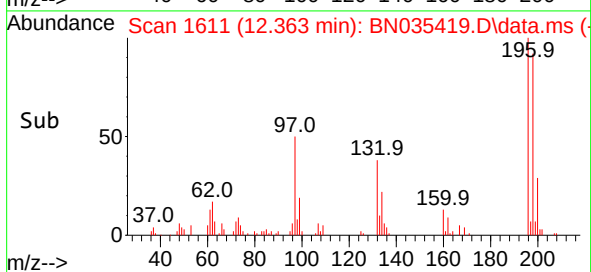
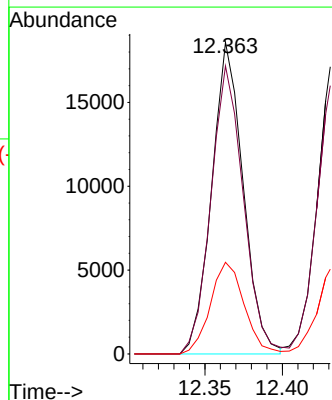
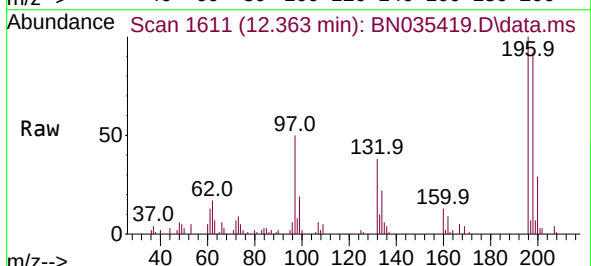
Delta R.T. -0.006 min

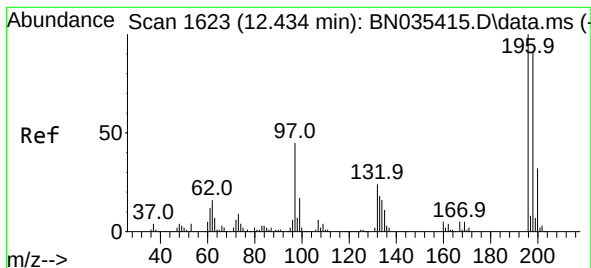
Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Tgt Ion:196 Resp: 26232

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 92.4  | 80.3  | 120.5 |
| 200 | 29.4  | 28.2  | 42.2  |





#42

2,4,5-Trichlorophenol

Concen: 4.202 ng/ul

RT: 12.434 min Scan# 1623

Delta R.T. -0.006 min

Lab File: BN035419.D

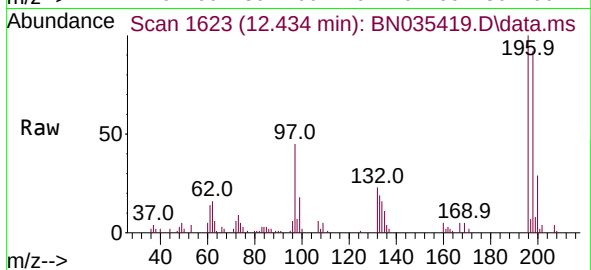
Acq: 04 Dec 2024 11:41

Instrument :

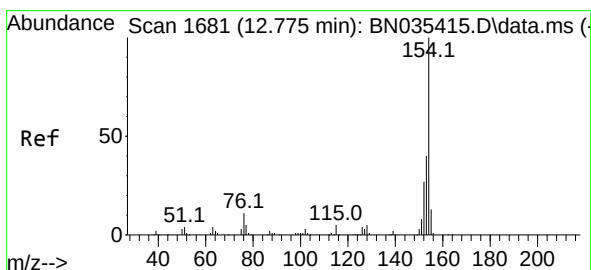
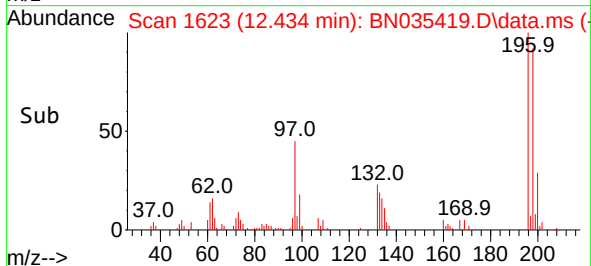
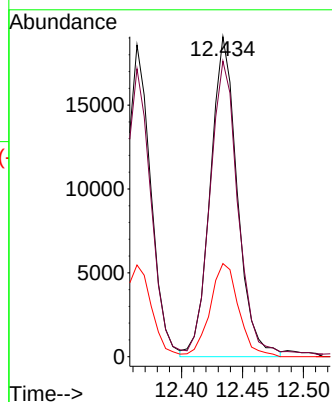
BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 196   | Resp: | 29515 |
| Ion      | Ratio | Lower | Upper |
| 196      | 100   |       |       |
| 198      | 92.4  | 77.6  | 116.4 |
| 200      | 29.1  | 23.5  | 35.3  |



#43

1,1'-Biphenyl

Concen: 4.579 ng/ul

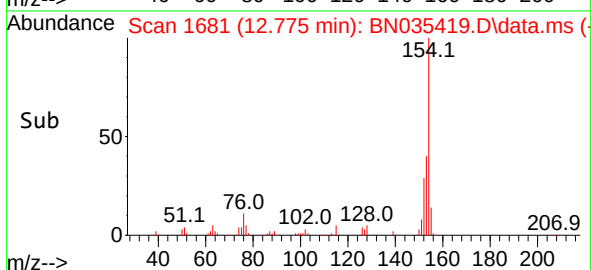
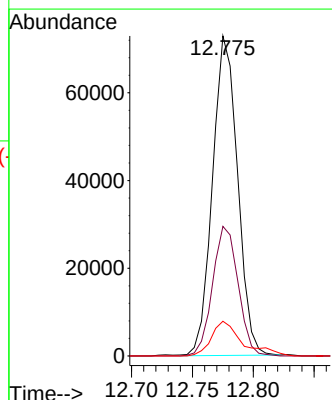
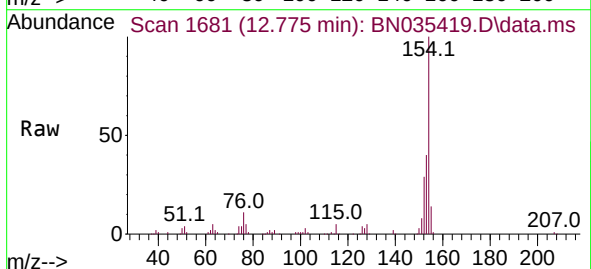
RT: 12.775 min Scan# 1681

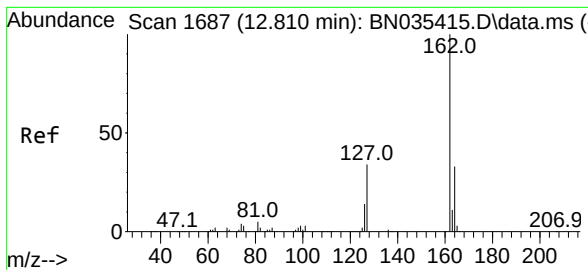
Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 104233 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 40.5  | 34.9  | 52.3   |
| 76       | 10.9  | 9.3   | 13.9   |





#44

2-Chloronaphthalene

Concen: 4.577 ng/ul

RT: 12.810 min Scan# 1

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

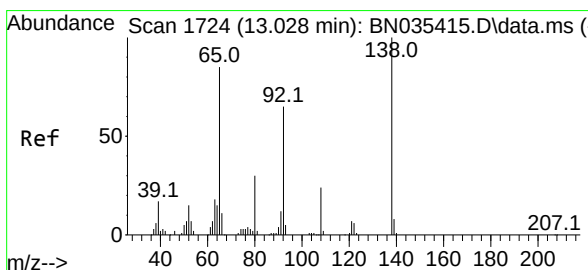
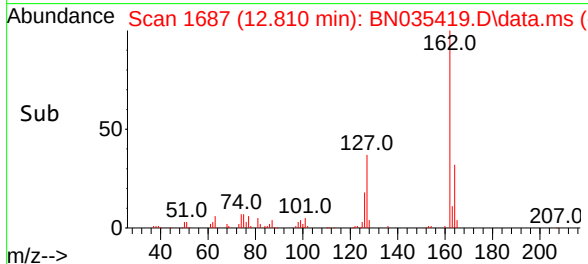
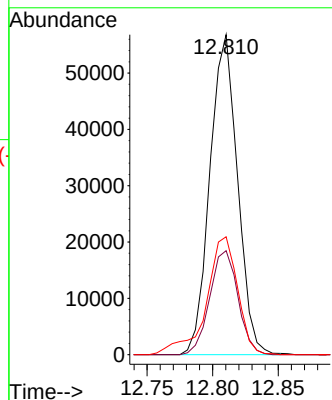
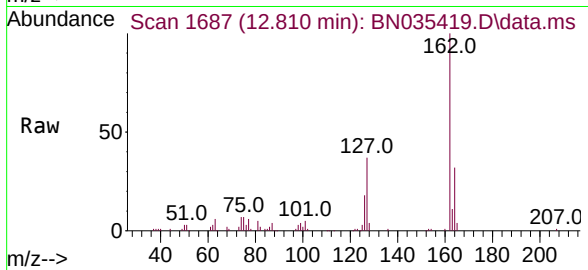
Tgt Ion:162 Resp: 83344

Ion Ratio Lower Upper

162 100

164 32.5 25.4 38.0

127 36.9 29.9 44.9



#45

2-Nitroaniline

Concen: 3.543 ng/ul

RT: 13.028 min Scan# 1724

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

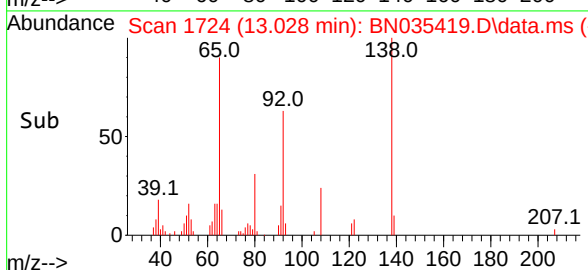
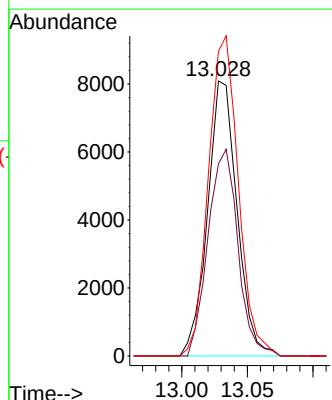
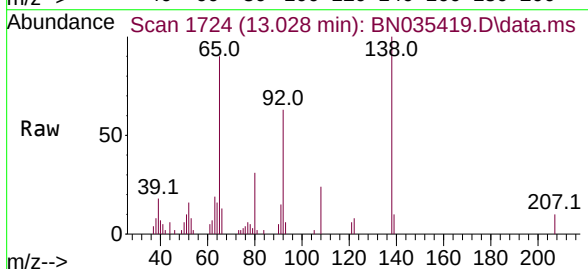
Tgt Ion: 65 Resp: 12678

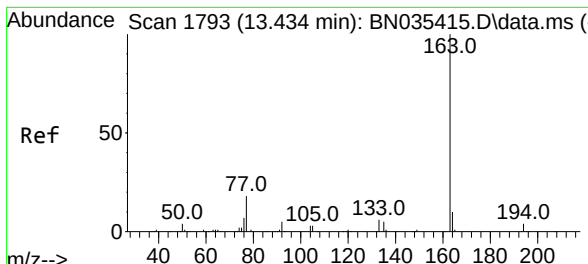
Ion Ratio Lower Upper

65 100

92 69.7 58.7 88.1

138 110.7 91.0 136.6

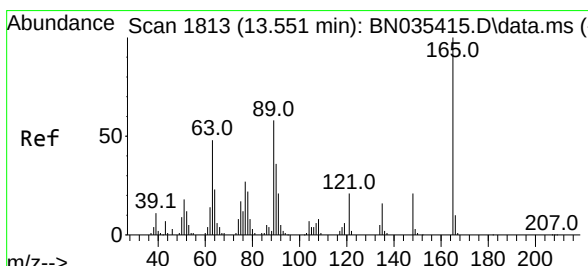
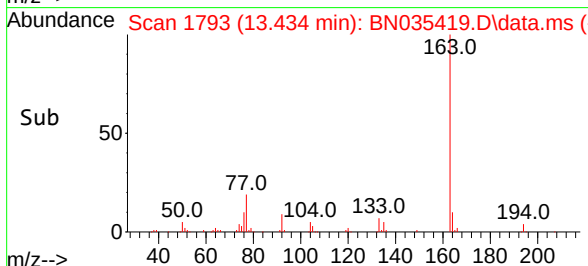
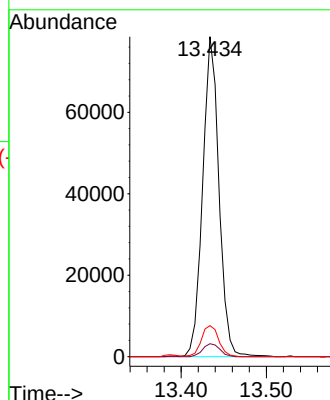
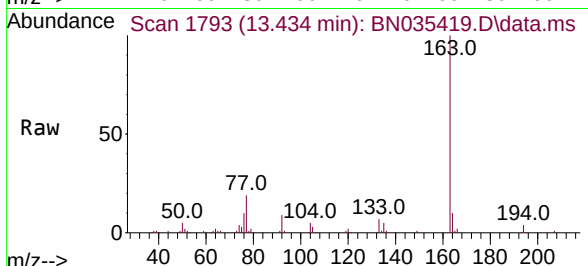




#47  
 Dimethylphthalate  
 Concen: 4.404 ng/ul  
 RT: 13.434 min Scan# 1793  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

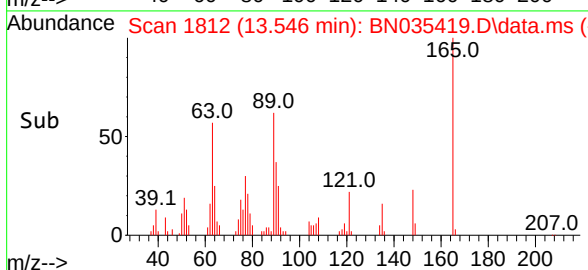
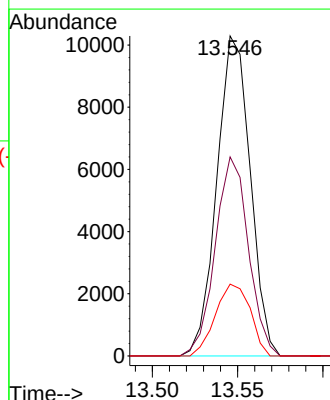
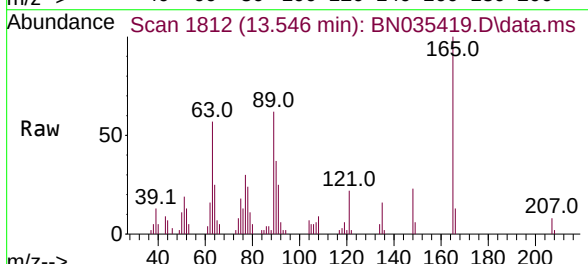
Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT4-2024-08

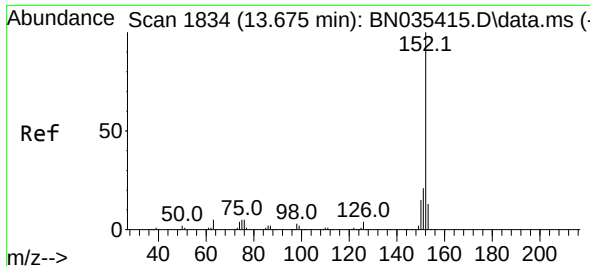
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 104349 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.0   | 3.4   | 5.0    |
| 164       | 9.7   | 8.5   | 12.7   |



#48  
 2,6-Dinitrotoluene  
 Concen: 3.550 ng/ul  
 RT: 13.546 min Scan# 1812  
 Delta R.T. -0.012 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 14021 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 89        | 62.2  | 42.9  | 64.3  |
| 121       | 22.4  | 16.1  | 24.1  |

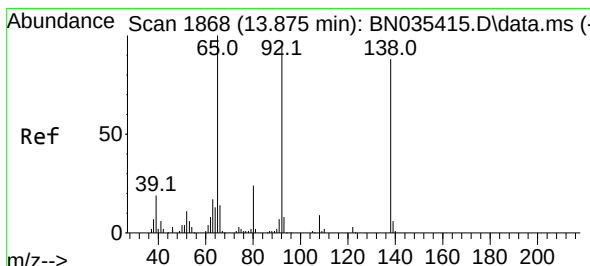
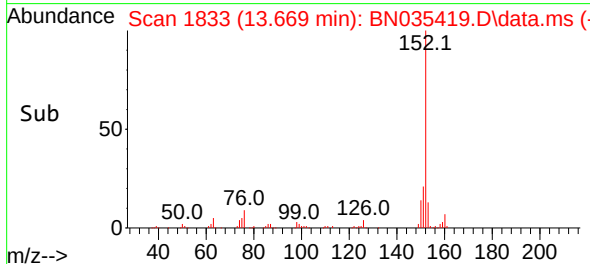
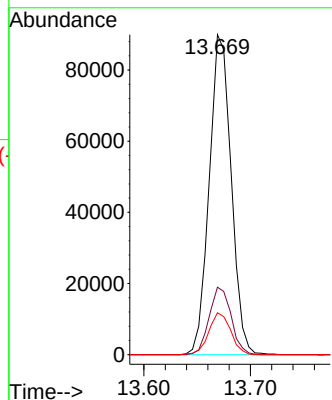
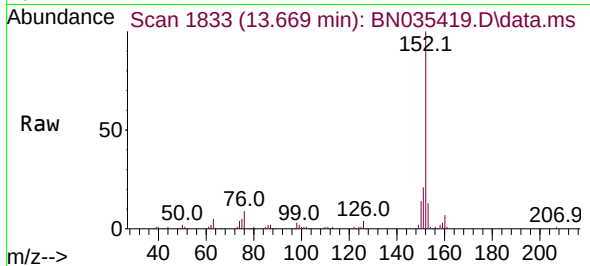




#50  
Acenaphthylene  
Concen: 4.643 ng/ul  
RT: 13.669 min Scan# 1833  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

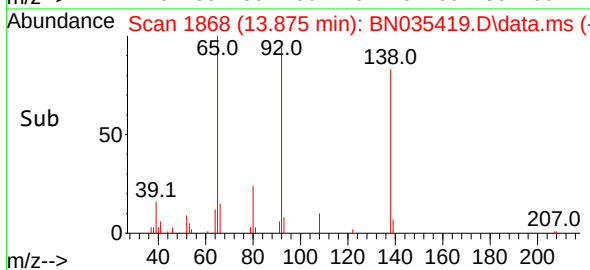
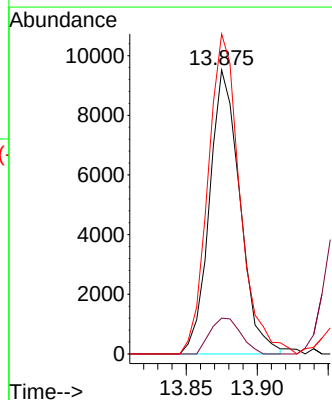
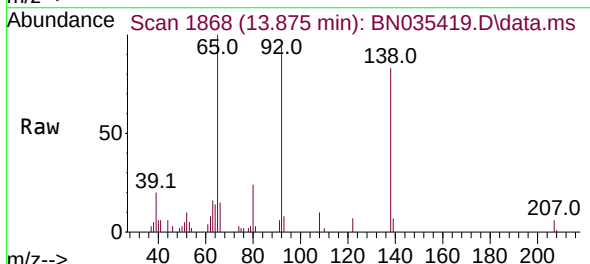
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2024-08

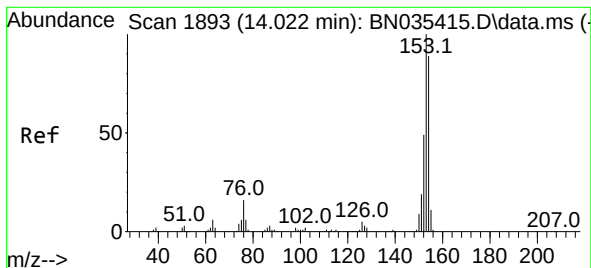
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 128718 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.1  | 16.9  | 25.3   |
| 153       | 13.1  | 10.7  | 16.1   |



#51  
3-Nitroaniline  
Concen: 3.476 ng/ul  
RT: 13.875 min Scan# 1868  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 14215 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 12.6  | 8.9   | 13.3  |
| 92        | 112.7 | 88.1  | 132.1 |





#52

Acenaphthene

Concen: 4.505 ng/ul

RT: 14.022 min Scan# 1893

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

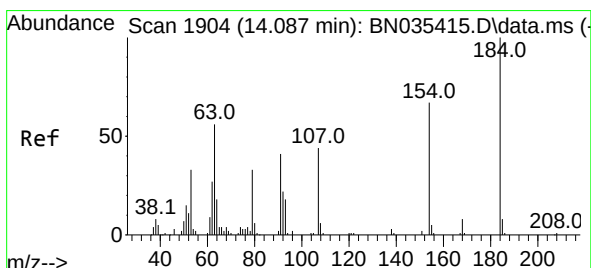
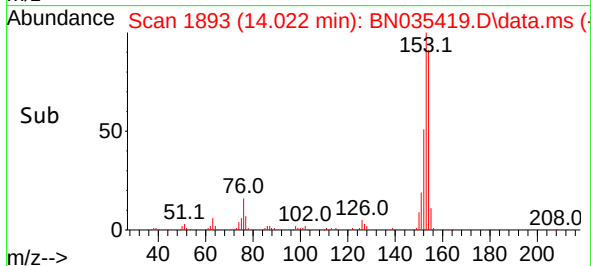
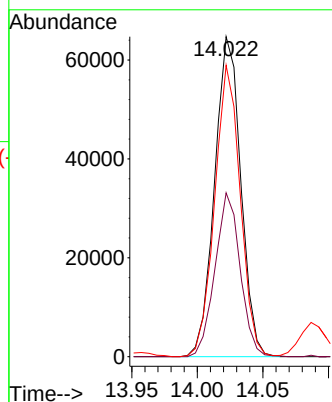
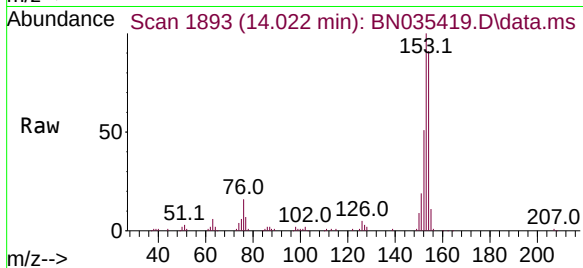
Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:153 | Resp: | 89900       |
| Ion         | Ratio | Lower Upper |
| 153         | 100   |             |
| 152         | 51.2  | 37.4 56.0   |
| 154         | 91.1  | 68.5 102.7  |



#53

2,4-Dinitrophenol

Concen: 5.136 ng/ul

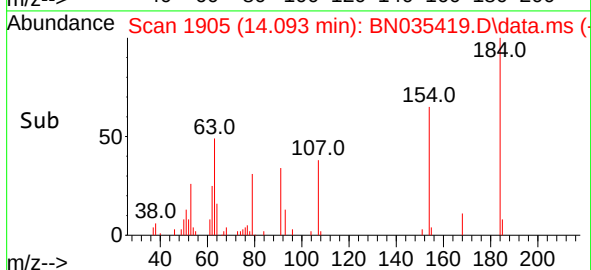
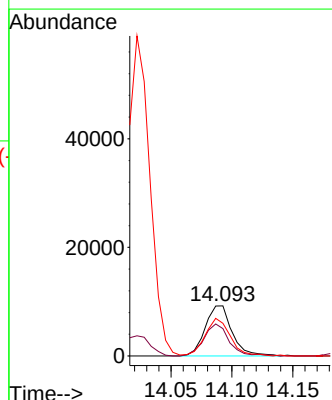
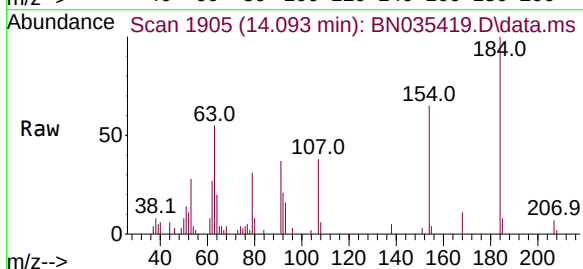
RT: 14.093 min Scan# 1905

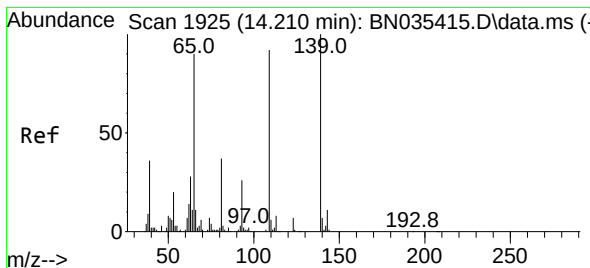
Delta R.T. 0.000 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:184 | Resp: | 14167       |
| Ion         | Ratio | Lower Upper |
| 184         | 100   |             |
| 63          | 54.6  | 43.8 65.8   |
| 154         | 65.3  | 56.6 84.8   |

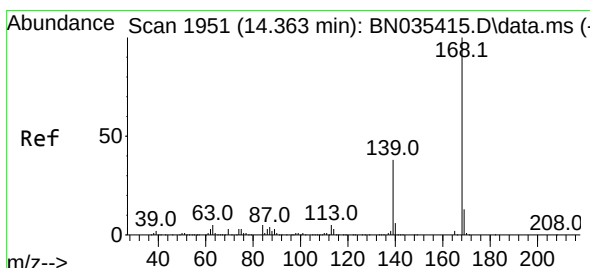
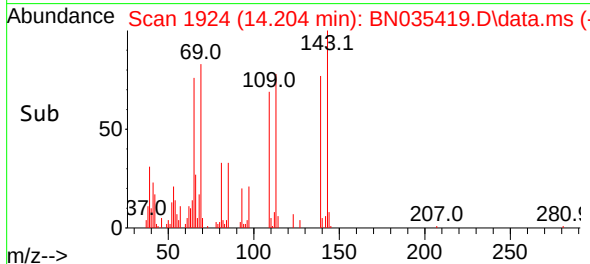
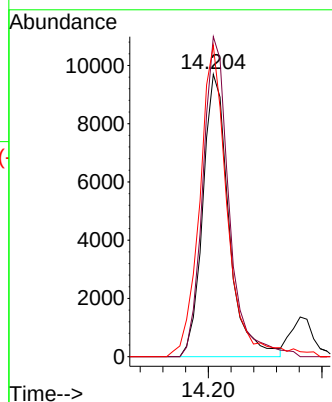
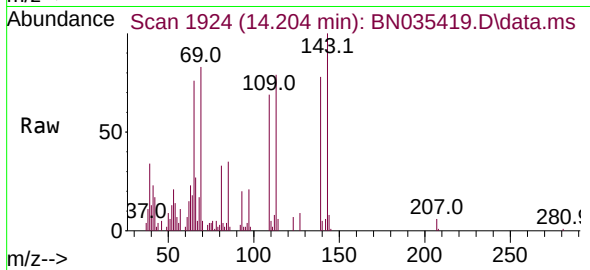




#55  
4-Nitrophenol  
Concen: 4.185 ng/ul  
RT: 14.204 min Scan# 1924  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

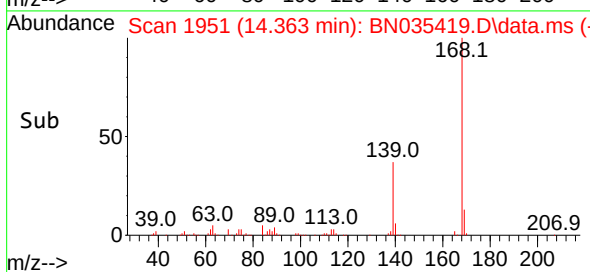
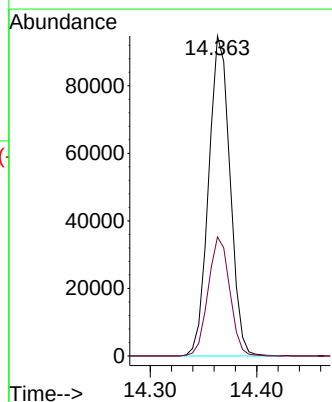
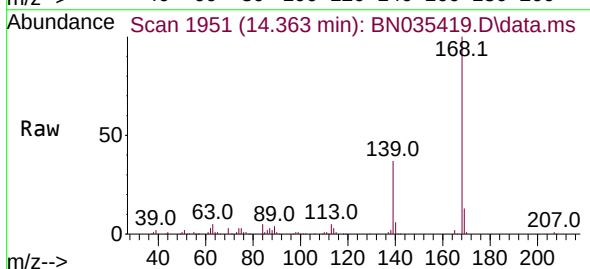
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

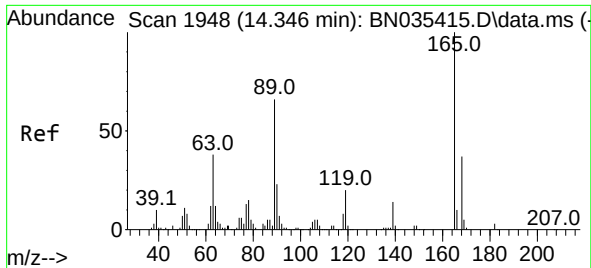
Tgt Ion:109 Resp: 15416  
Ion Ratio Lower Upper  
109 100  
139 113.3 94.9 142.3  
65 110.2 83.5 125.3



#56  
Dibenzofuran  
Concen: 4.659 ng/ul  
RT: 14.363 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:168 Resp: 132175  
Ion Ratio Lower Upper  
168 100  
139 37.2 31.4 47.0

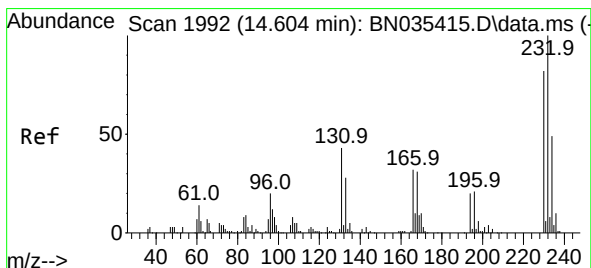
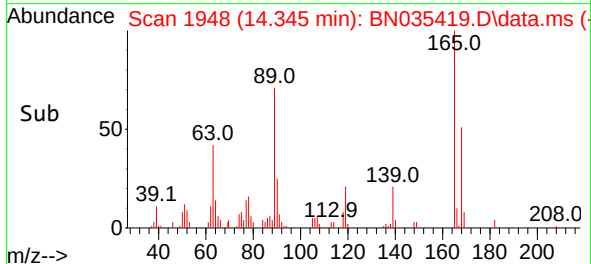
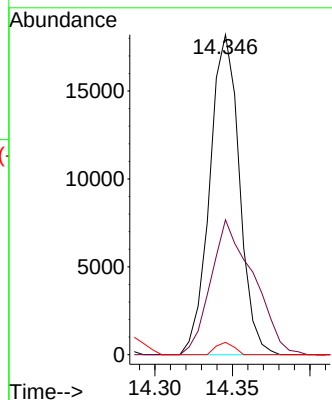
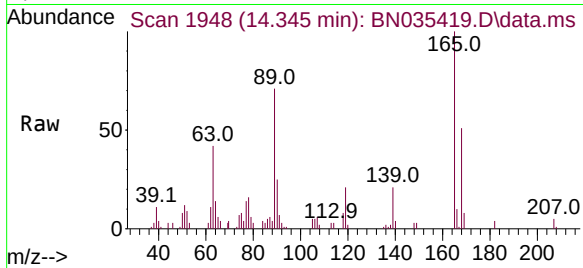




#57  
2,4-Dinitrotoluene  
Concen: 3.865 ng/ul  
RT: 14.345 min Scan# 1948  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

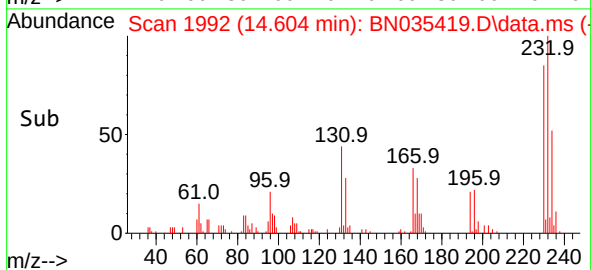
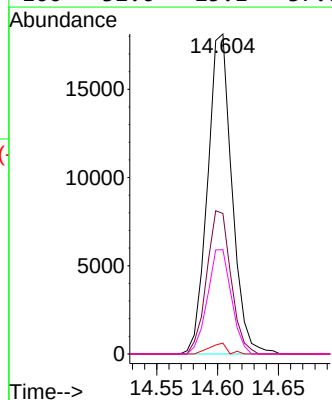
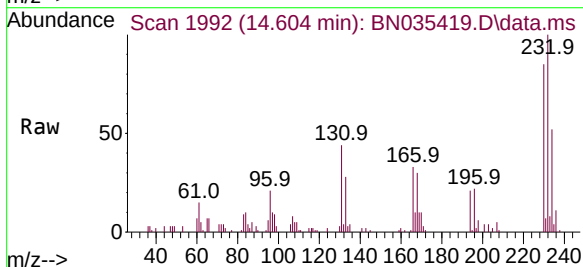
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.1  | 30.0  | 45.0  |
| 182     | 3.8   | 2.5   | 3.7   |

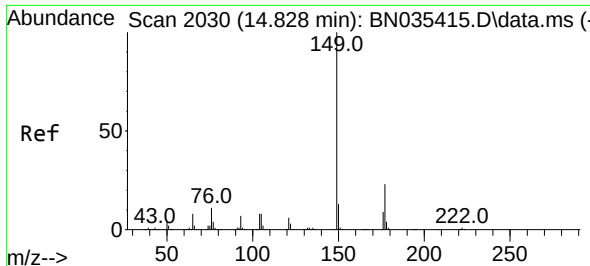


#58  
2,3,4,6-Tetrachlorophenol  
Concen: 4.134 ng/ul  
RT: 14.604 min Scan# 1992  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.9  | 35.2  | 52.8  |
| 130     | 3.4   | 2.4   | 3.6   |
| 166     | 32.6  | 25.1  | 37.7  |



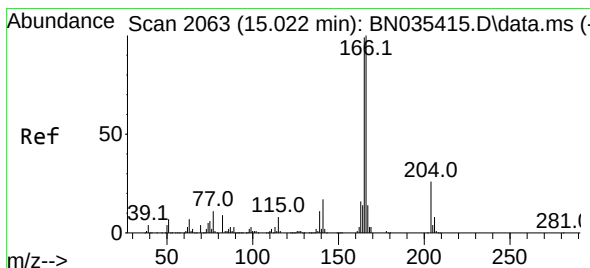
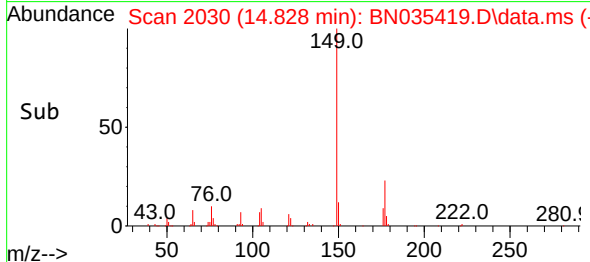
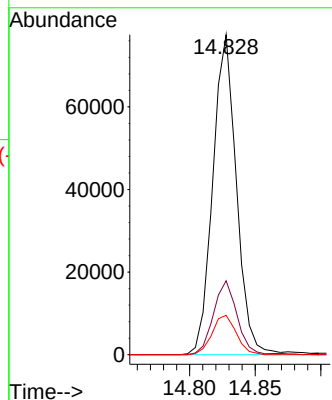
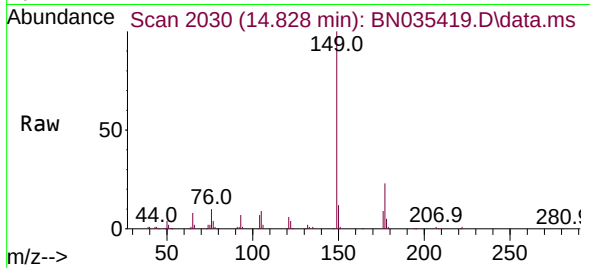




#59  
Diethylphthalate  
Concen: 4.183 ng/ul  
RT: 14.828 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

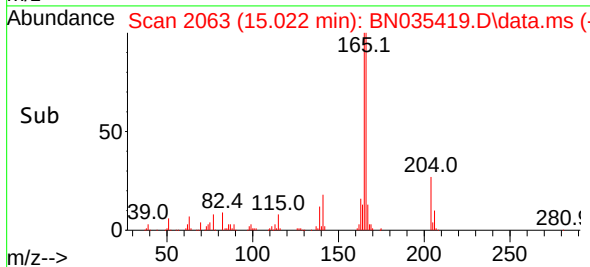
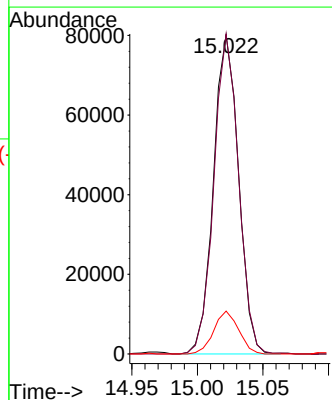
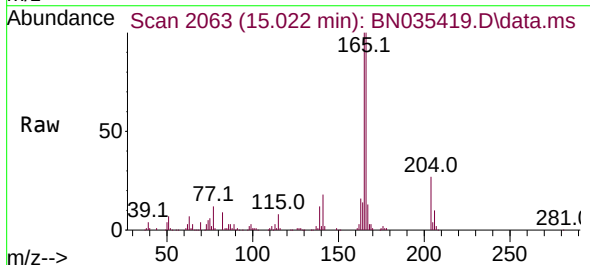
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

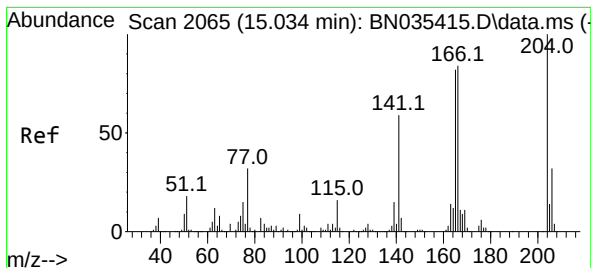
Tgt Ion:149 Resp: 96875  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.2 27.4  
150 12.3 9.7 14.5



#61  
Fluorene  
Concen: 4.664 ng/ul  
RT: 15.022 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:166 Resp: 106600  
Ion Ratio Lower Upper  
166 100  
165 100.3 77.7 116.5  
167 13.5 10.3 15.5

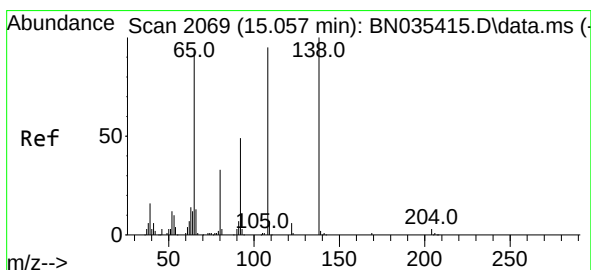
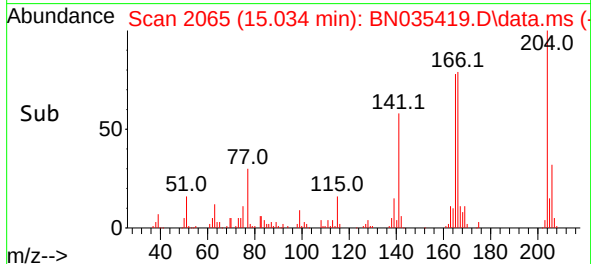
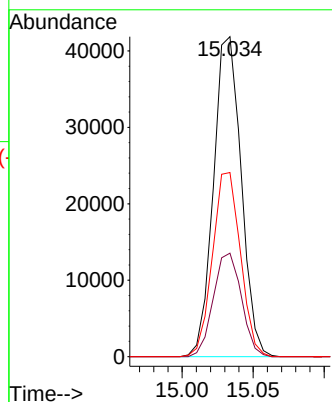
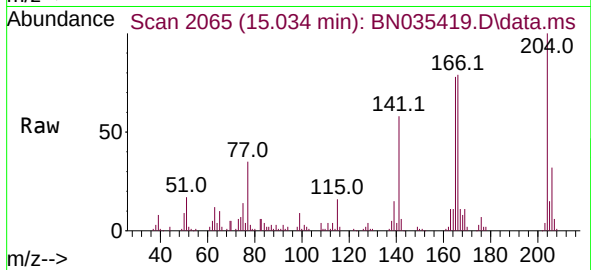




#62  
4-Chlorophenyl-phenylether  
Concen: 4.869 ng/ul  
RT: 15.034 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

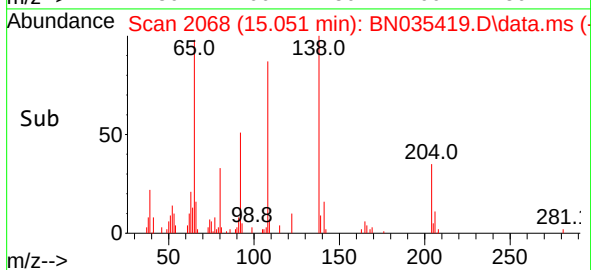
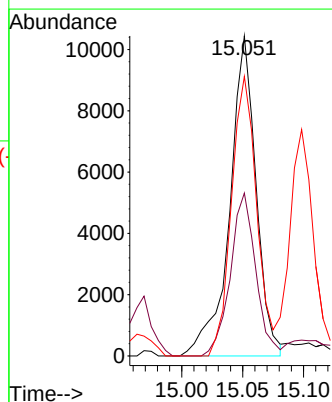
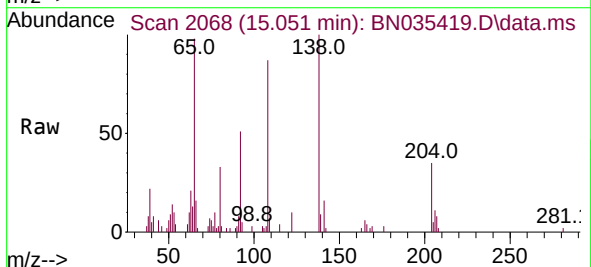
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

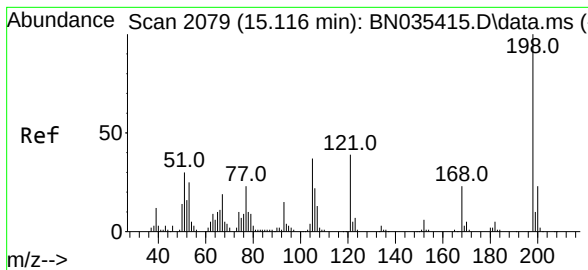
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 204   | Resp: | 56863 |
| Ion Ratio | Lower | Upper |       |
| 204       | 100   |       |       |
| 206       | 32.3  | 25.7  | 38.5  |
| 141       | 57.5  | 47.6  | 71.4  |



#63  
4-Nitroaniline  
Concen: 3.975 ng/ul  
RT: 15.051 min Scan# 2068  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 15768 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 50.9  | 41.2  | 61.8  |
| 108       | 87.3  | 75.2  | 112.8 |

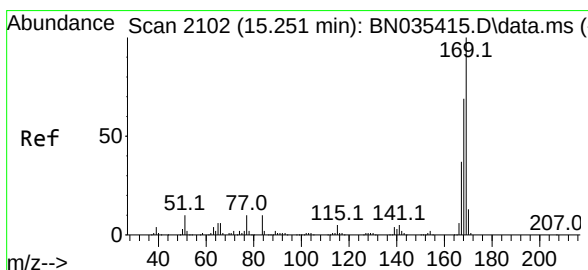
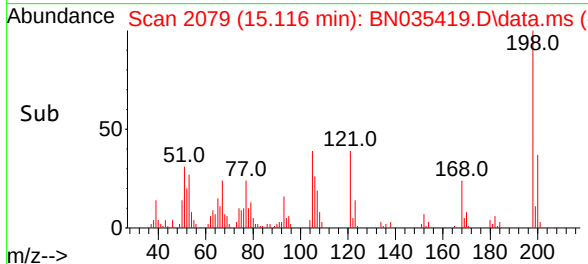
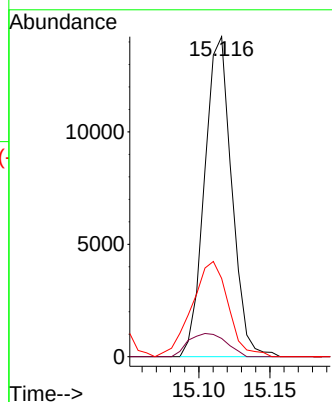
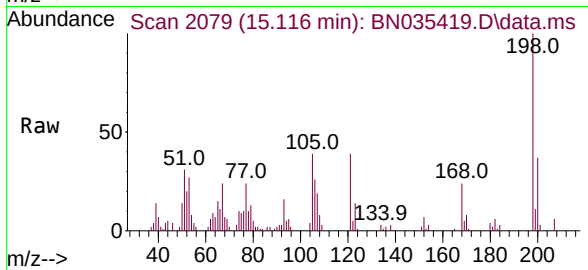




#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.421 ng/ul  
 RT: 15.116 min Scan# 2079  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

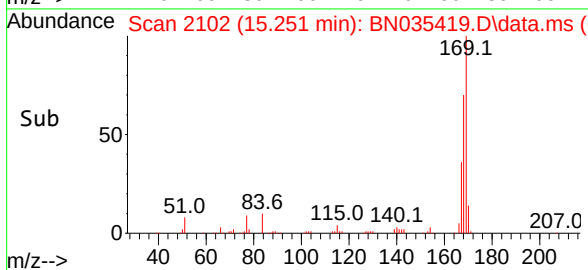
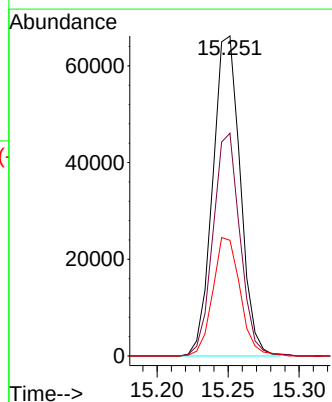
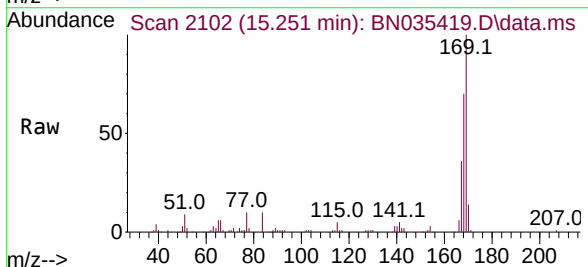
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2024-08

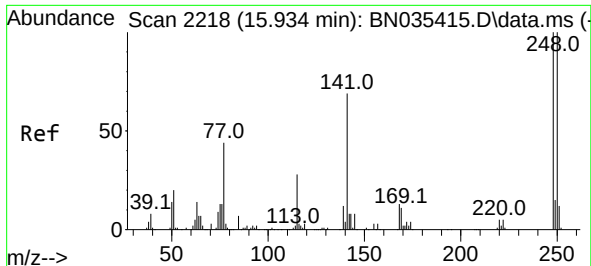
Tgt Ion:198 Resp: 18947  
 Ion Ratio Lower Upper  
 198 100  
 182 5.7 4.4 6.6  
 77 24.4 17.5 26.3



#67  
 N-Nitrosodiphenylamine  
 Concen: 4.478 ng/ul  
 RT: 15.251 min Scan# 2102  
 Delta R.T. -0.000 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

Tgt Ion:169 Resp: 89226  
 Ion Ratio Lower Upper  
 169 100  
 168 69.6 55.5 83.3  
 167 36.2 29.3 43.9

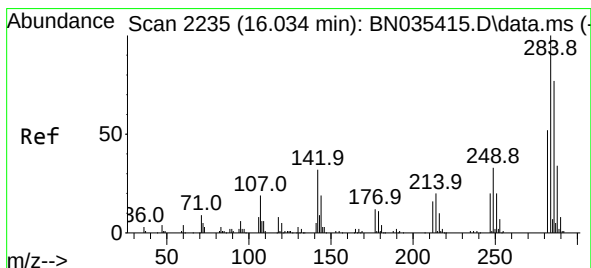
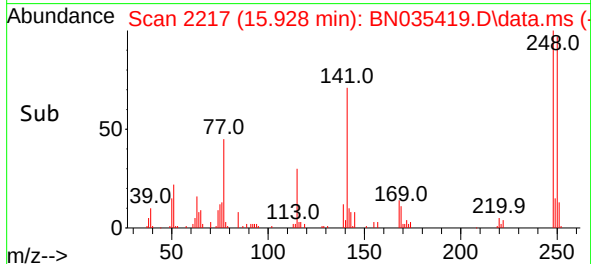
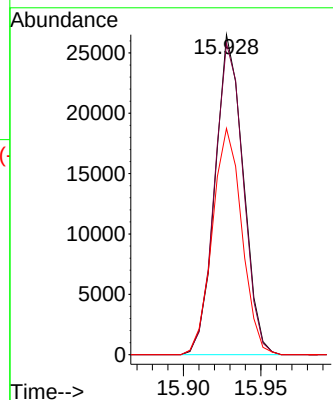
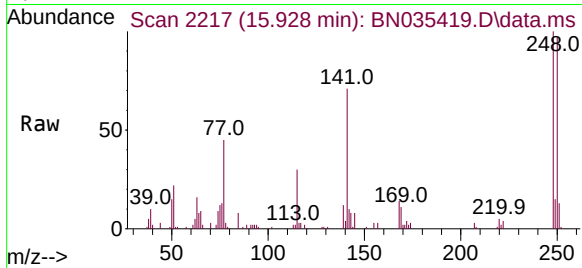




#68  
4-Bromophenyl-phenylether  
Concen: 4.413 ng/ul  
RT: 15.928 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

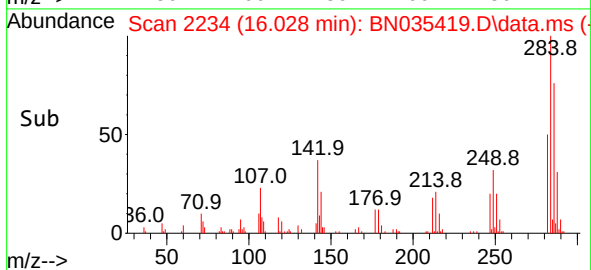
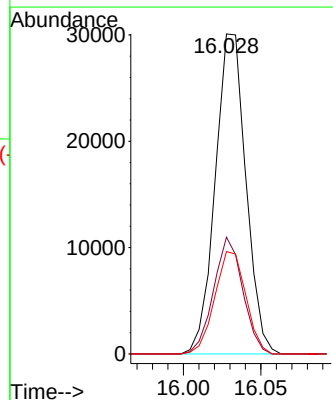
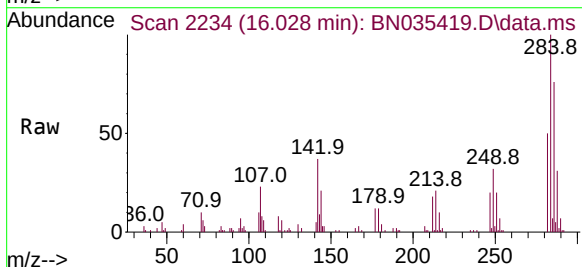
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

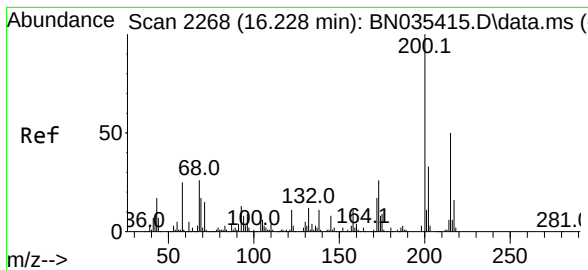
Tgt Ion:248 Resp: 33471  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.8 116.8  
141 70.7 60.1 90.1



#69  
Hexachlorobenzene  
Concen: 4.605 ng/ul  
RT: 16.028 min Scan# 2234  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:284 Resp: 41460  
Ion Ratio Lower Upper  
284 100  
142 36.5 26.7 40.1  
249 32.0 26.1 39.1





#70

Atrazine

Concen: 4.528 ng/ul

RT: 16.222 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

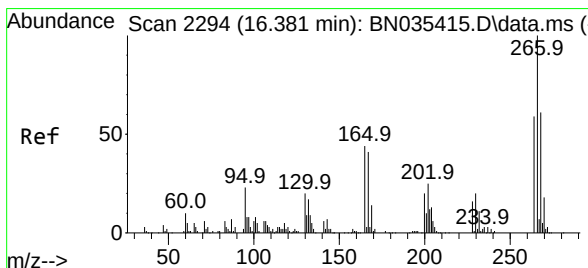
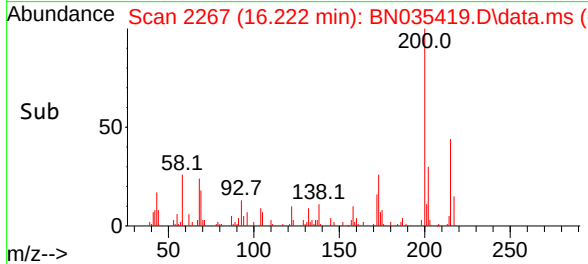
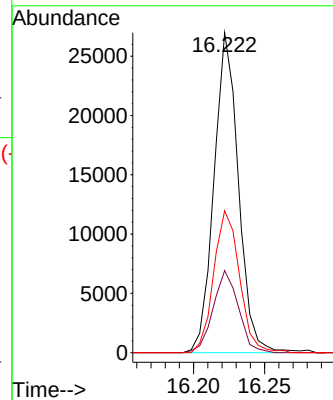
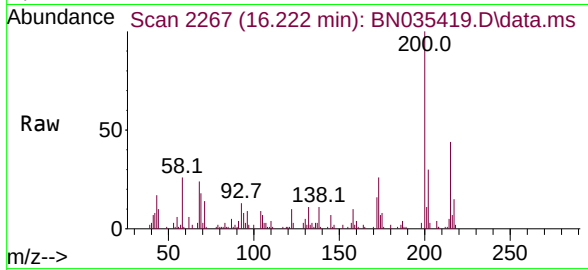
Tgt Ion:200 Resp: 32218

Ion Ratio Lower Upper

200 100

173 25.7 21.0 31.4

215 44.4 37.5 56.3



#71

Pentachlorophenol

Concen: 6.084 ng/ul

RT: 16.381 min Scan# 2294

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

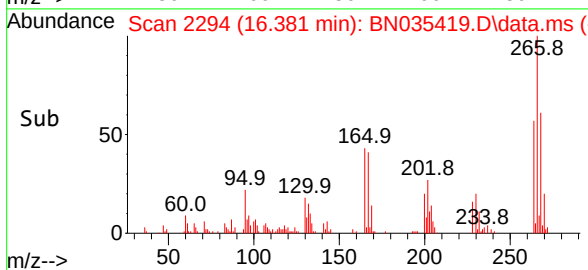
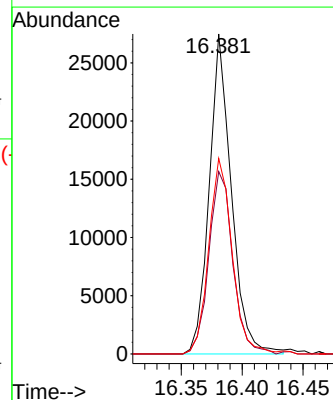
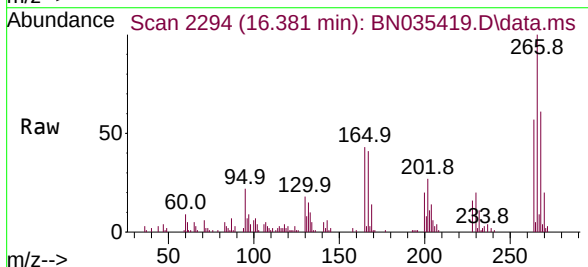
Tgt Ion:266 Resp: 34775

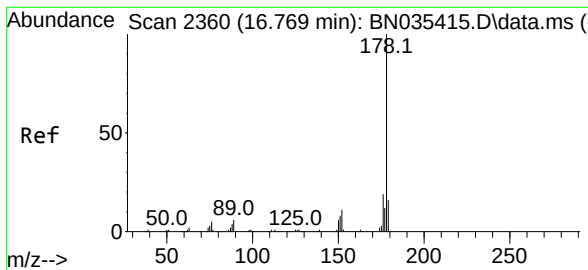
Ion Ratio Lower Upper

266 100

264 57.0 47.8 71.8

268 61.1 48.5 72.7

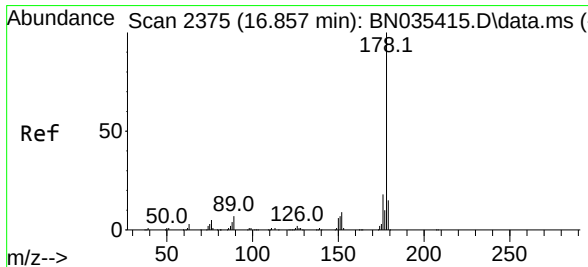
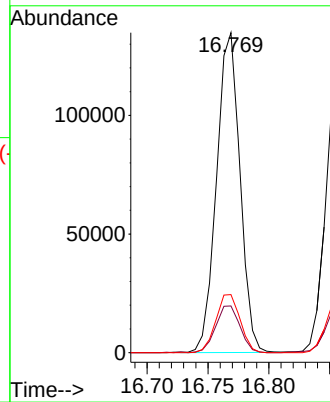
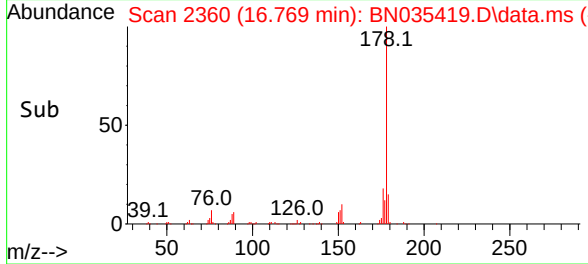
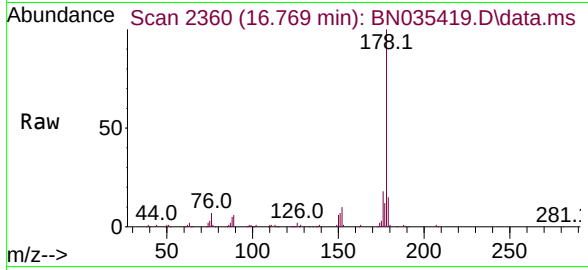




#72  
Phenanthrene  
Concen: 4.674 ng/ul  
RT: 16.769 min Scan# 2360  
Delta R.T. -0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

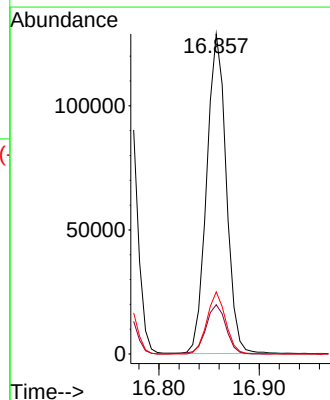
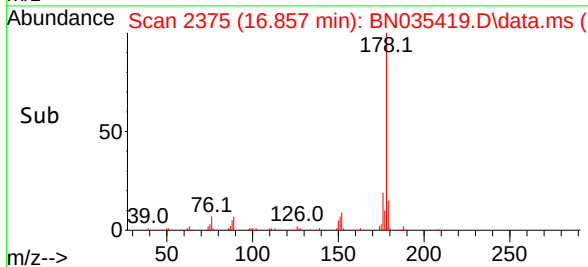
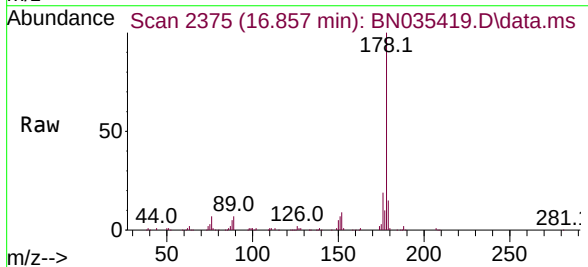
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

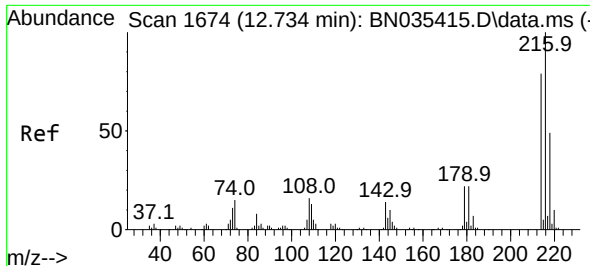
Tgt Ion:178 Resp: 180460  
Ion Ratio Lower Upper  
178 100  
179 14.6 12.7 19.1  
176 18.1 15.8 23.6



#74  
Anthracene  
Concen: 4.474 ng/ul  
RT: 16.857 min Scan# 2375  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:178 Resp: 174415  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.4 18.6  
176 19.4 15.4 23.2

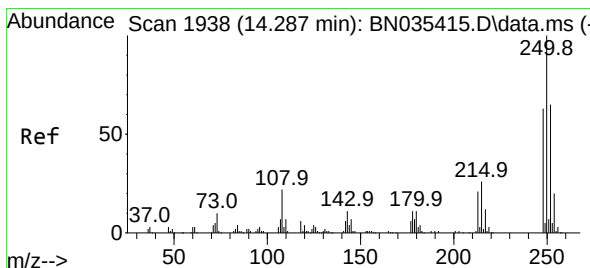
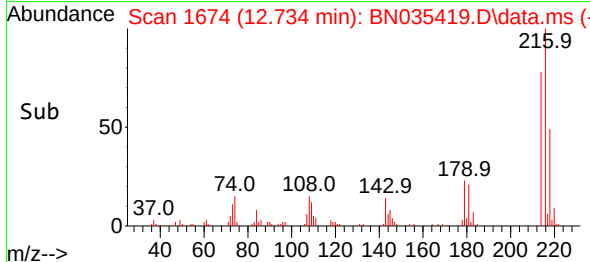
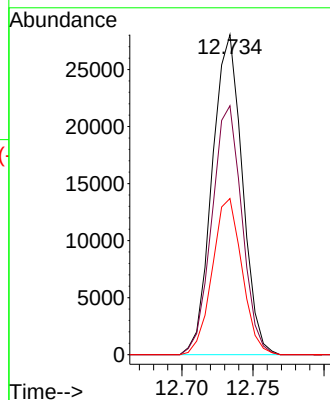
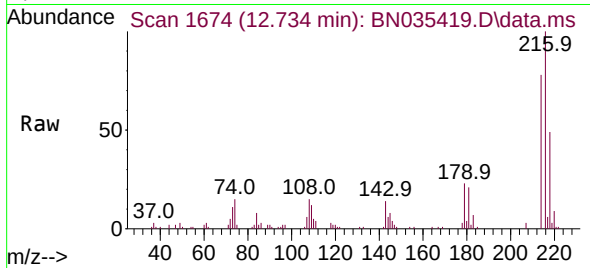




#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.162 ng/uL  
RT: 12.734 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

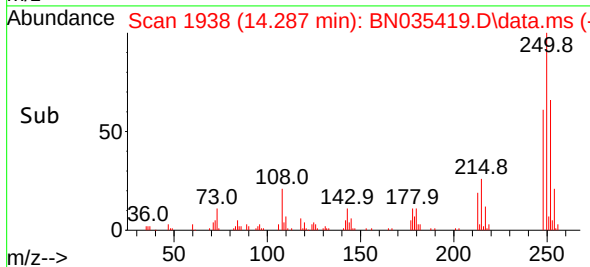
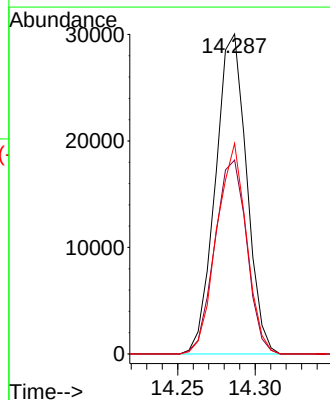
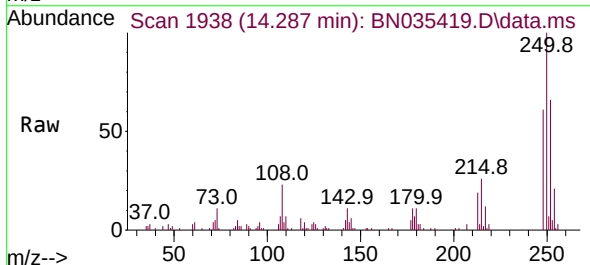
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

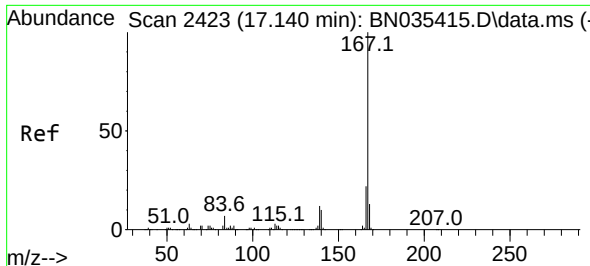
Tgt Ion:216 Resp: 41381  
Ion Ratio Lower Upper  
216 100  
214 77.8 62.2 93.2  
218 48.8 37.6 56.4



#76  
Pentachlorobenzene  
Concen: 4.109 ng/uL  
RT: 14.287 min Scan# 1938  
Delta R.T. 0.000 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:250 Resp: 42055  
Ion Ratio Lower Upper  
250 100  
248 60.6 52.0 78.0  
252 65.8 51.6 77.4

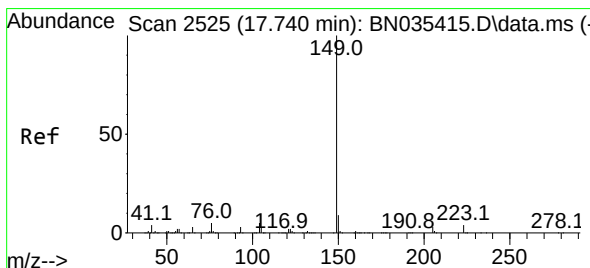
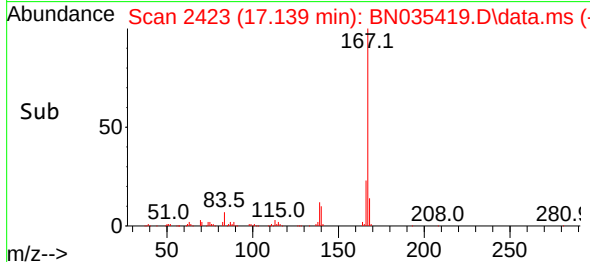
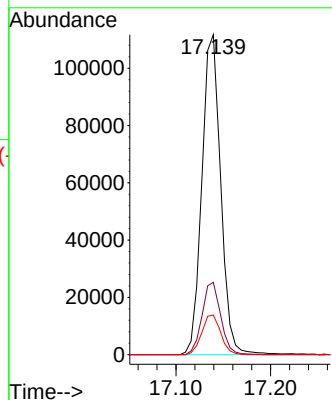
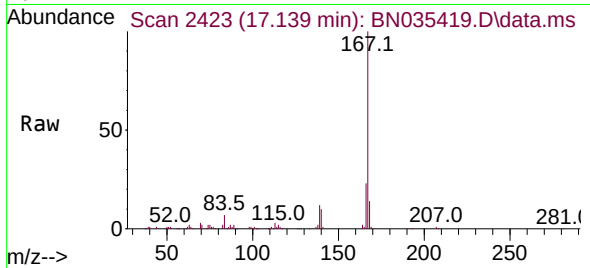




#77  
 Carbazole  
 Concen: 4.764 ng/ul  
 RT: 17.139 min Scan# 2423  
 Delta R.T. -0.000 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

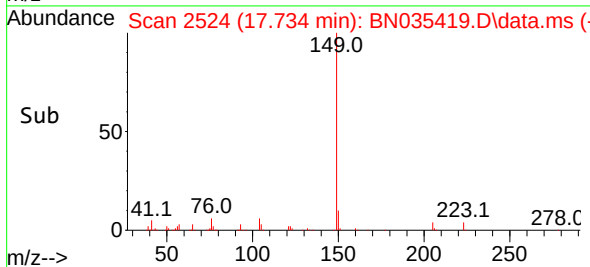
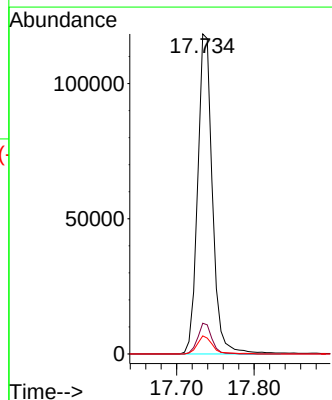
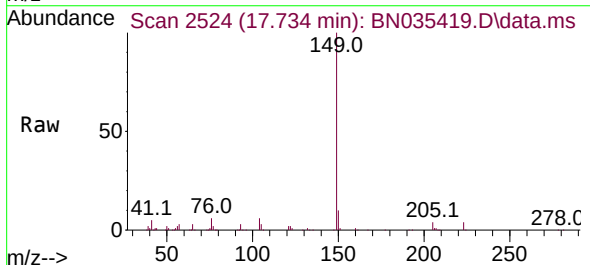
Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT4-2024-08

Tgt Ion:167 Resp: 154533  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 18.2 27.4  
 139 12.4 10.2 15.2

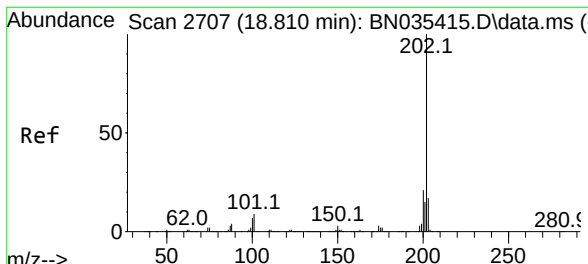


#78  
 Di-n-butylphthalate  
 Concen: 4.145 ng/ul  
 RT: 17.734 min Scan# 2524  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

Tgt Ion:149 Resp: 156515  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.5 11.3  
 104 5.7 4.3 6.5



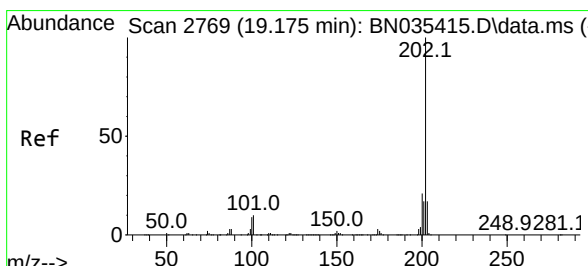
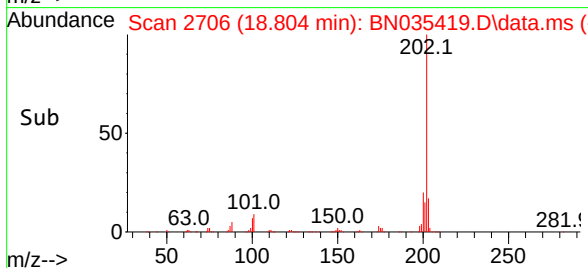
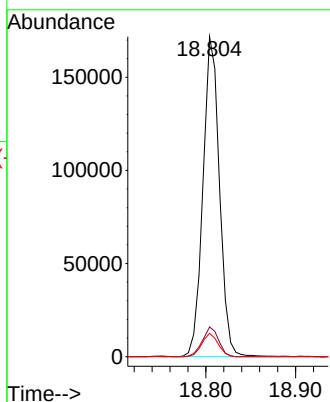
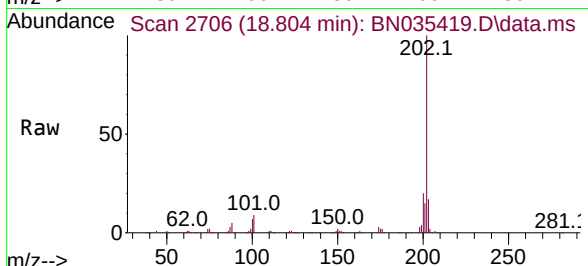




#80  
 Fluoranthene  
 Concen: 4.431 ng/u1  
 RT: 18.804 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

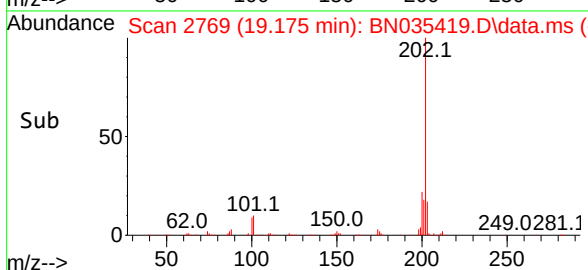
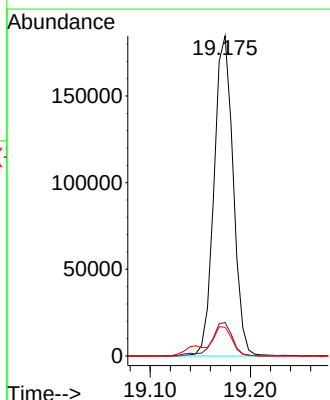
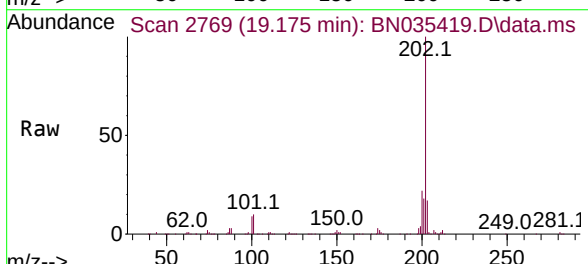
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2024-08

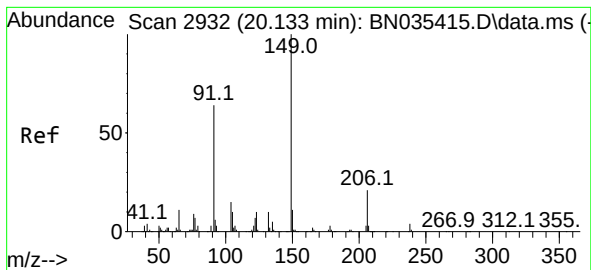
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 219468 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.3   | 7.3   | 10.9   |
| 100       | 7.3   | 5.8   | 8.8    |



#82  
 Pyrene  
 Concen: 4.595 ng/u1  
 RT: 19.175 min Scan# 2769  
 Delta R.T. -0.006 min  
 Lab File: BN035419.D  
 Acq: 04 Dec 2024 11:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 244082 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.5  | 8.6   | 13.0   |
| 100       | 9.0   | 7.4   | 11.0   |





#83

Butylbenzylphthalate

Concen: 3.863 ng/ul

RT: 20.128 min Scan# 2932

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

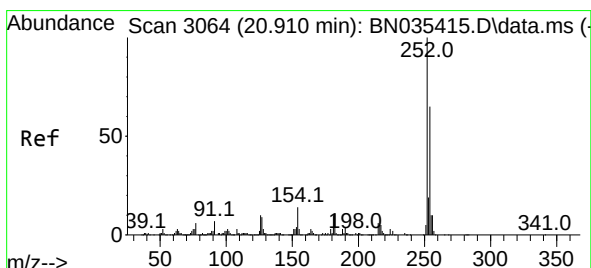
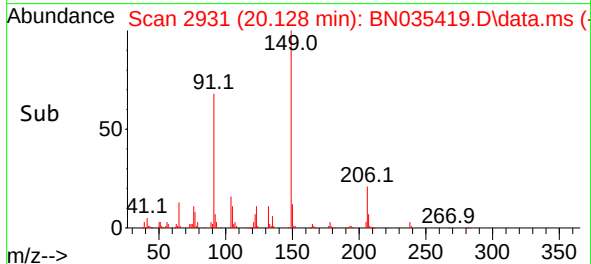
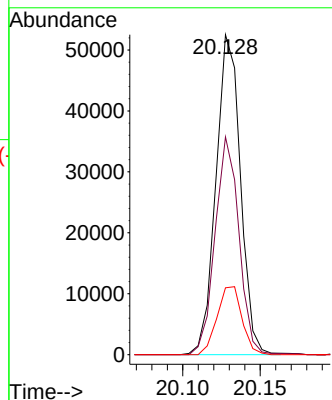
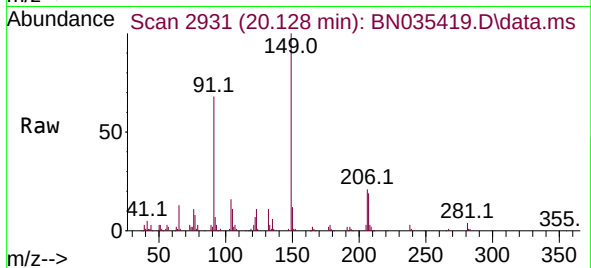
Tgt Ion:149 Resp: 57833

Ion Ratio Lower Upper

149 100

91 68.0 53.0 79.6

206 20.9 17.8 26.6



#84

3,3'-Dichlorobenzidine

Concen: 3.138 ng/ul

RT: 20.910 min Scan# 3064

Delta R.T. 0.000 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

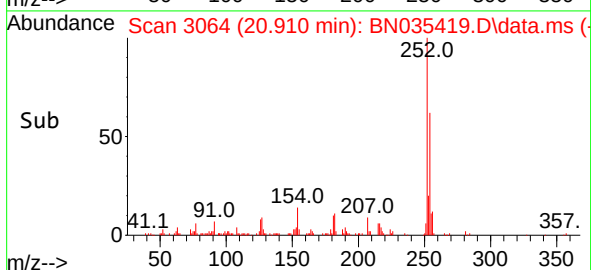
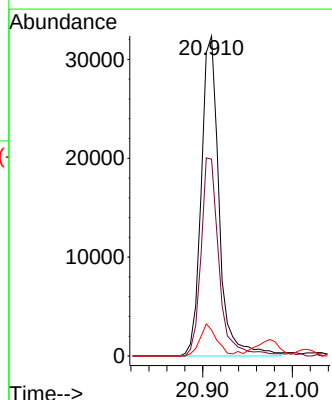
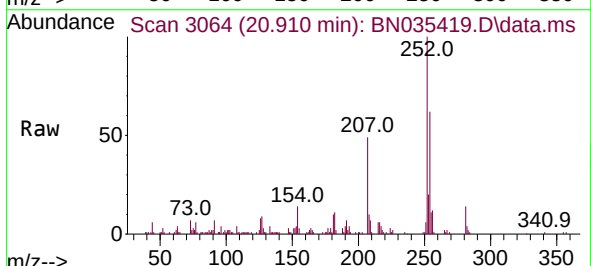
Tgt Ion:252 Resp: 44699

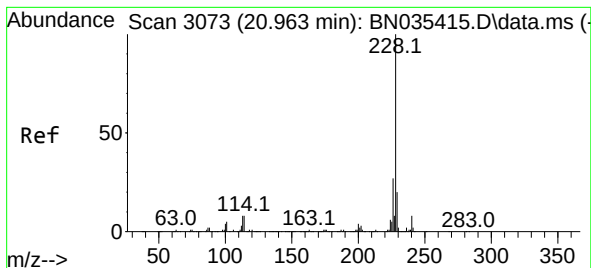
Ion Ratio Lower Upper

252 100

254 61.5 51.4 77.0

126 8.1 7.9 11.9





#85

Benzo(a)anthracene

Concen: 4.557 ng/ul

RT: 20.963 min Scan# 3073

Delta R.T. 0.000 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

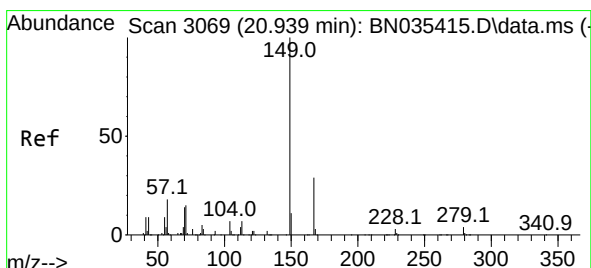
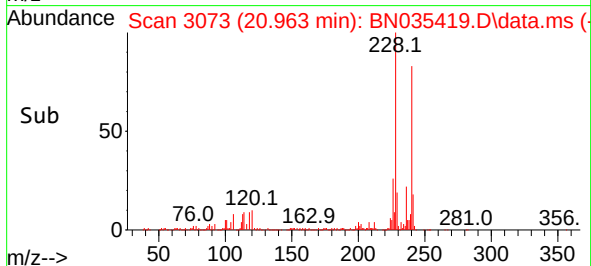
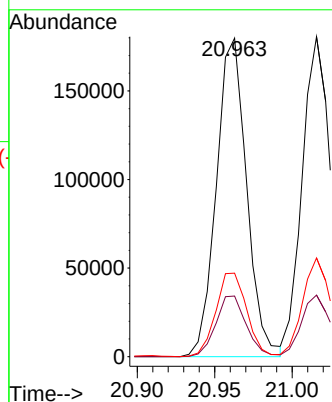
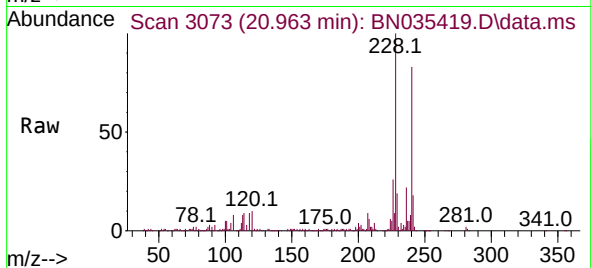
Tgt Ion:228 Resp: 244431

Ion Ratio Lower Upper

228 100

229 19.0 15.8 23.8

226 26.2 22.9 34.3



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.898 ng/ul

RT: 20.939 min Scan# 3069

Delta R.T. -0.000 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

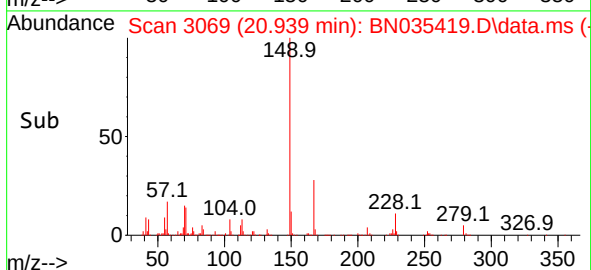
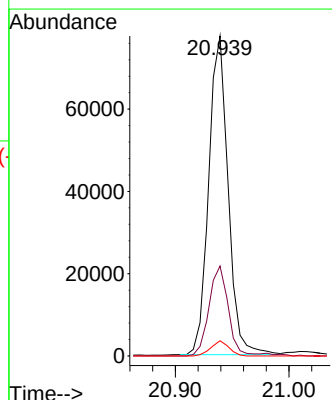
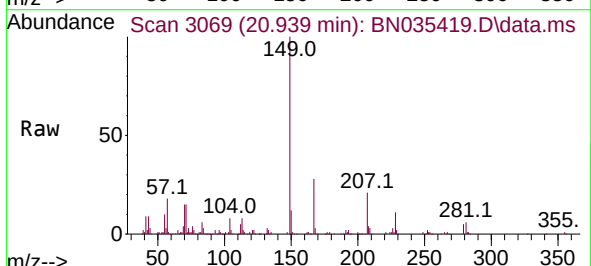
Tgt Ion:149 Resp: 92003

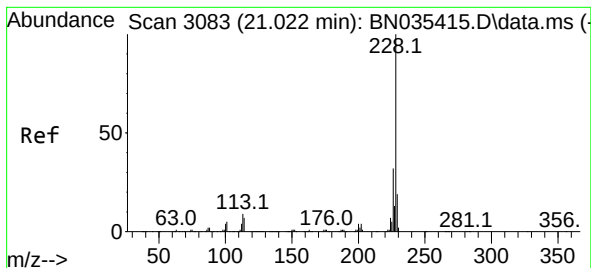
Ion Ratio Lower Upper

149 100

167 28.1 22.1 33.1

279 4.8 3.7 5.5





#87

Chrysene

Concen: 4.500 ng/ul

RT: 21.016 min Scan# 3082

Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

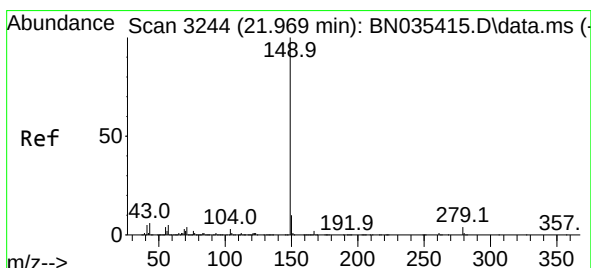
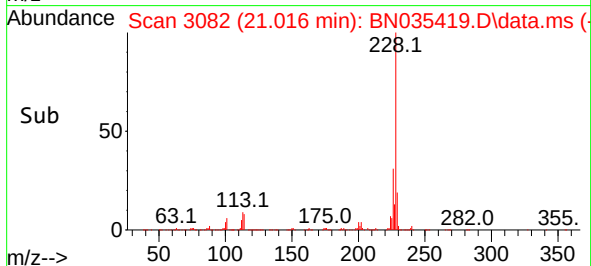
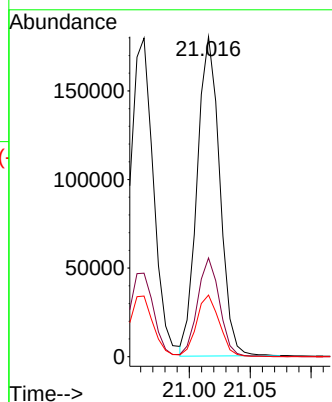
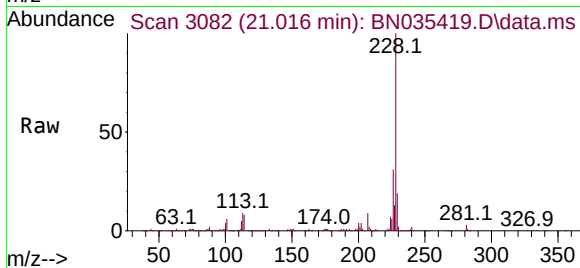
Tgt Ion:228 Resp: 232570

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

229 19.3 14.7 22.1



#89

Di-n-octyl phthalate

Concen: 3.551 ng/ul

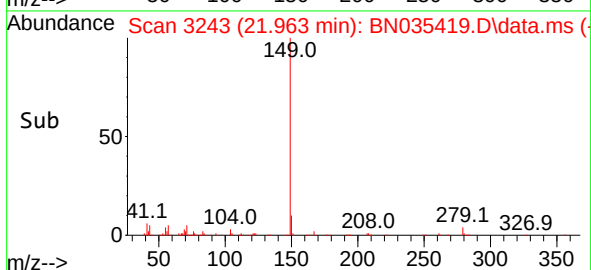
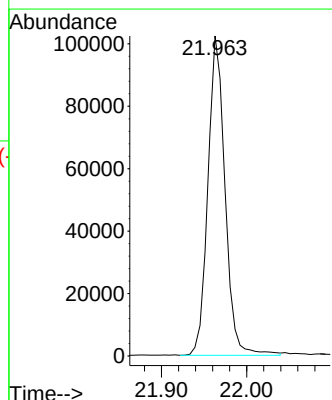
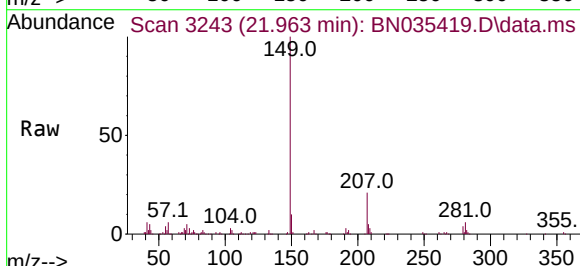
RT: 21.963 min Scan# 3243

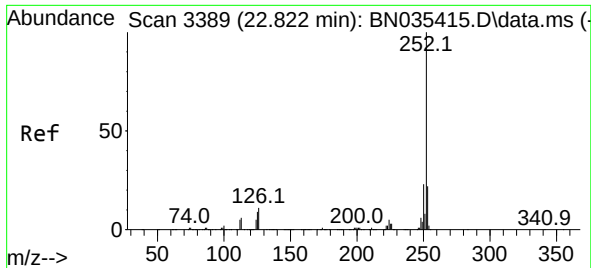
Delta R.T. -0.006 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Tgt Ion:149 Resp: 142804

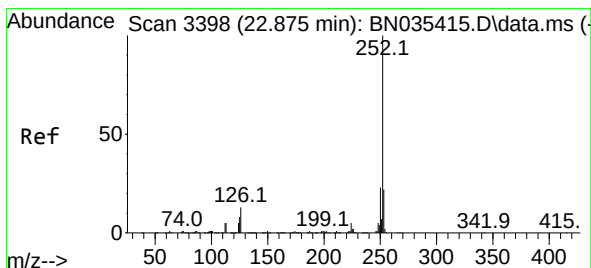
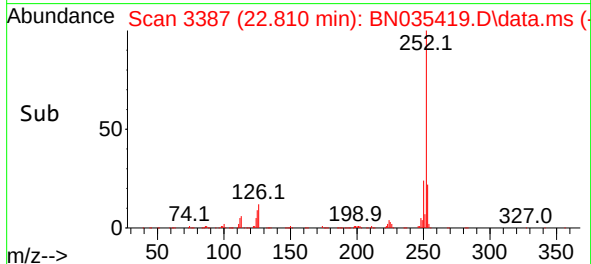
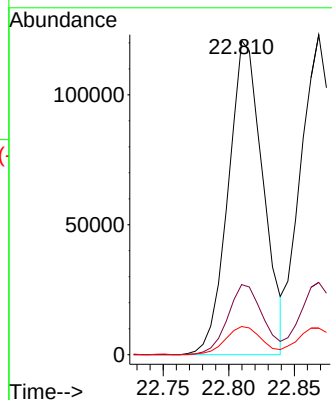
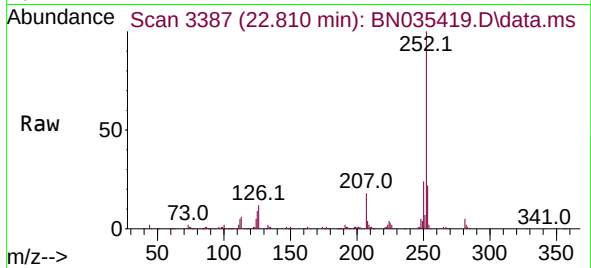




#90  
Benzo(b)fluoranthene  
Concen: 4.377 ng/ul  
RT: 22.810 min Scan# 3387  
Delta R.T. -0.012 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

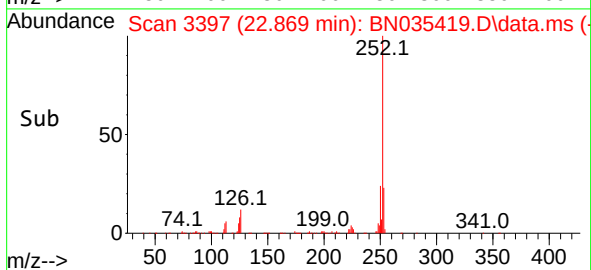
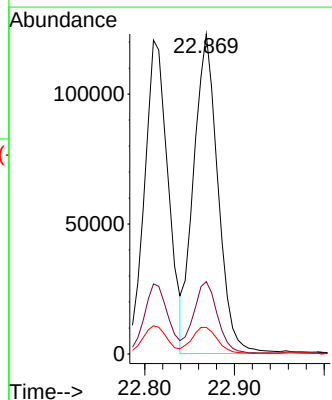
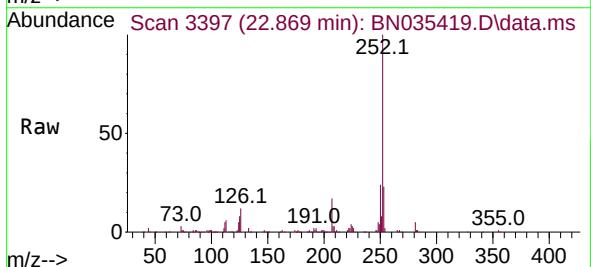
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

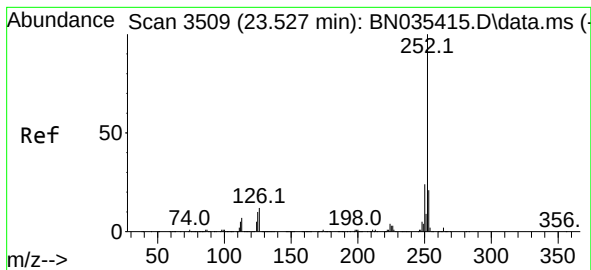
Tgt Ion:252 Resp: 223249  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 9.0 7.4 11.0



#91  
Benzo(k)fluoranthene  
Concen: 4.445 ng/ul  
RT: 22.869 min Scan# 3397  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:252 Resp: 232121  
Ion Ratio Lower Upper  
252 100  
253 22.6 16.8 25.2  
125 8.3 6.8 10.2





#93

Benzo(a)pyrene

Concen: 4.255 ng/ul

RT: 23.521 min Scan# 31

Delta R.T. -0.012 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2024-08

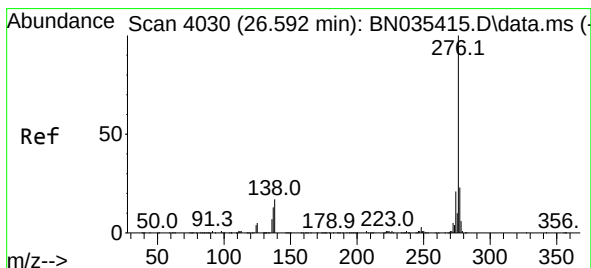
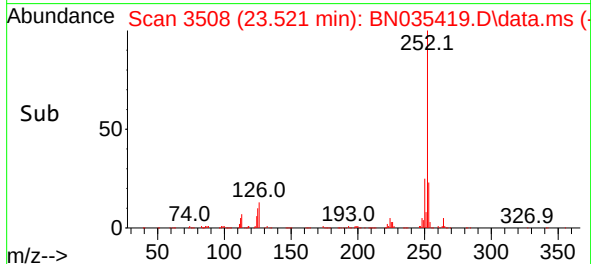
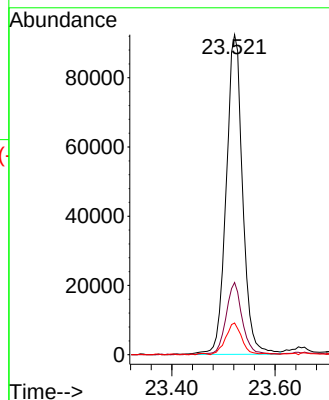
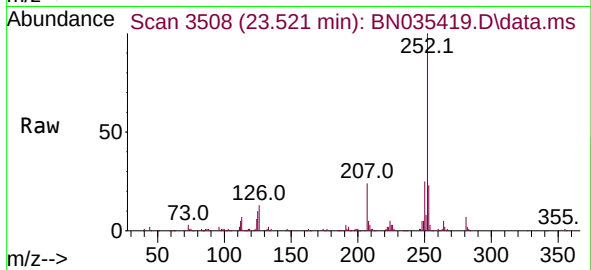
Tgt Ion:252 Resp: 203652

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

125 9.9 7.3 10.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.049 ng/ul

RT: 26.586 min Scan# 4029

Delta R.T. -0.012 min

Lab File: BN035419.D

Acq: 04 Dec 2024 11:41

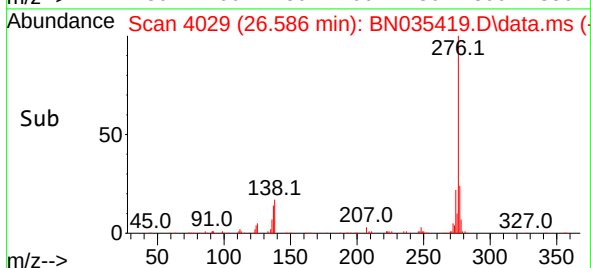
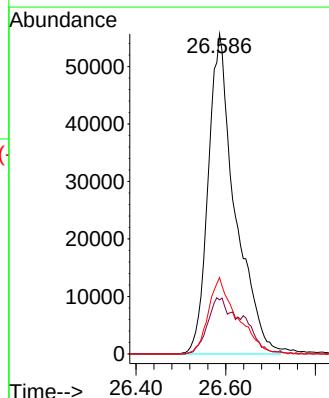
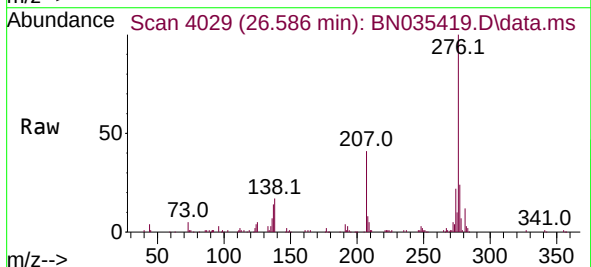
Tgt Ion:276 Resp: 231208

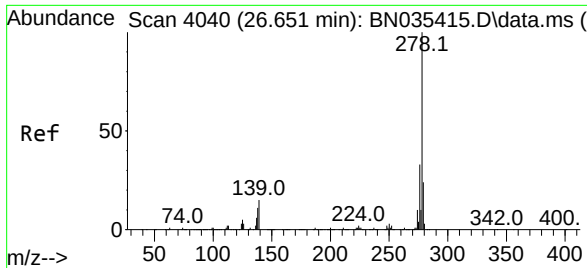
Ion Ratio Lower Upper

276 100

138 16.9 14.1 21.1

277 23.9 19.4 29.2

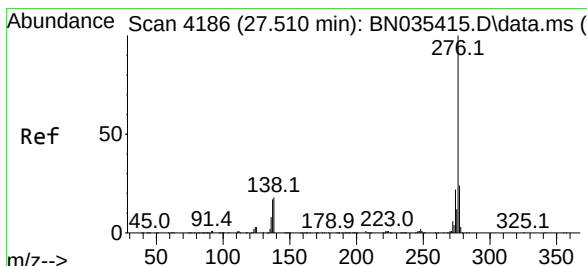
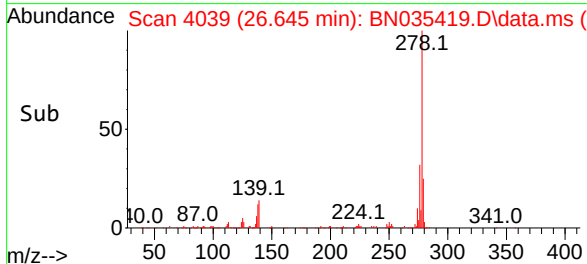
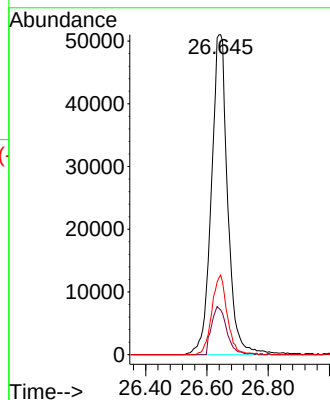
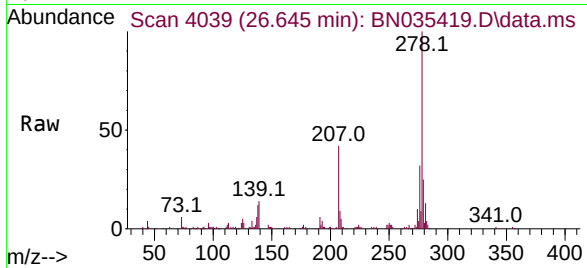




#95  
Dibenzo(a,h)anthracene  
Concen: 4.089 ng/ul m  
RT: 26.645 min Scan# 4040  
Delta R.T. -0.006 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2024-08

Tgt Ion:278 Resp: 189171  
Ion Ratio Lower Upper  
278 100  
139 14.0 11.5 17.3  
279 24.9 18.8 28.2



#96  
Benzo(g,h,i)perylene  
Concen: 4.075 ng/ul  
RT: 27.492 min Scan# 4183  
Delta R.T. -0.018 min  
Lab File: BN035419.D  
Acq: 04 Dec 2024 11:41

Tgt Ion:276 Resp: 176611  
Ion Ratio Lower Upper  
276 100  
138 20.0 15.0 22.6  
277 25.1 19.4 29.2

