

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032025\  
 Data File : BN036691.D  
 Acq On : 20 Mar 2025 11:24  
 Operator : RC/JU  
 Sample : Q1546-03  
 Misc : MDL-SOIL 4 ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-01

Quant Time: Mar 20 13:25:29 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN022825.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 20 13:16:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 74760    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.487 | 136  | 327410   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.345 | 164  | 226557   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.092 | 188  | 487499   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.333 | 240  | 487998   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.286 | 264  | 511862   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96   | 8156     | 4.241  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 141456   | 24.066 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.875  | 99   | 170501   | 23.879 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 129970   | 25.585 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.234  | 132  | 132817   | 26.453 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.410  | 113  | 131927   | 22.376 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.857  | 128  | 67737    | 26.173 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.575  | 143  | 73014    | 26.703 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.110 | 165  | 123025   | 24.806 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.628 | 131  | 191145   | 24.958 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.757 | 166  | 466070   | 27.354 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.039 | 160  | 513718   | 26.992 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.551 | 143  | 83908    | 24.862 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 385398   | 26.818 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 79109    | 23.714 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.192 | 188  | 621102   | 25.891 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.486 | 212  | 757294   | 28.406 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.086 | 264  | 748159   | 29.335 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 2771m    | 1.285  | ng/uL  |          |
| 5) Pyridine                   | 3.622  | 79   | 28971    | 4.724  | ng/u1# | 75       |
| 6) Benzaldehyde               | 6.846  | 77   | 22088    | 5.248  | ng/u1  | 95       |
| 8) Phenol                     | 6.899  | 94   | 32844    | 4.290  | ng/u1  | 96       |
| 10) Bis(2-Chloroethyl)ether   | 7.128  | 93   | 27500    | 4.600  | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.263  | 128  | 24588    | 4.642  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.146  | 108  | 21287    | 3.861  | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 54213    | 4.725  | ng/u1  | 98       |
| 16) Acetophenone              | 8.522  | 105  | 44776    | 4.468  | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.510  | 70   | 23393    | 4.156  | ng/u1  | 91       |
| 18) 4-Methylphenol            | 8.469  | 108  | 24858    | 3.947  | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.775  | 117  | 12159    | 4.994  | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.899  | 77   | 39828    | 5.088  | ng/u1  | 98       |
| 23) Isophorone                | 9.422  | 82   | 61068    | 4.189  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.604  | 139  | 14366    | 4.718  | ng/u1  | 89       |
| 26) 2,4-Dimethylphenol        | 9.669  | 107  | 15415    | 2.395  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.904  | 93   | 37582    | 4.572  | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.140 | 162  | 22874    | 4.497  | ng/u1  | 96       |
| 30) Naphthalene               | 10.540 | 128  | 85357    | 4.714  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.651 | 127  | 32674    | 4.408  | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.828 | 225  | 16811    | 5.017  | ng/u1  | 95       |
| 34) Caprolactam               | 11.445 | 113  | 8734     | 4.145  | ng/u1  | 88       |
| 35) 4-Chloro-3-methylphenol   | 11.781 | 107  | 25802    | 3.999  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.157 | 142  | 57821    | 4.588  | ng/u1  | 99       |

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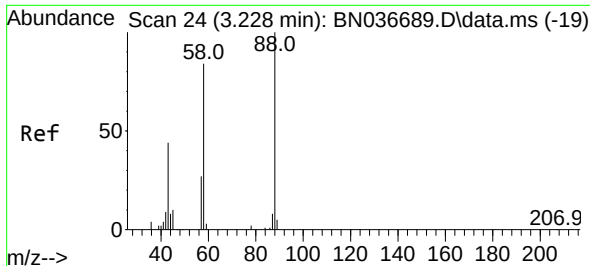
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-01

Quant Time: Mar 20 13:25:29 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN022825.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 20 13:16:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.375 | 142  | 55245    | 4.347 | ng/ul  | 98       |
| 39) 1,2,4,5-Tetrachloroben... | 12.528 | 216  | 28834    | 4.539 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.510 | 237  | 18295    | 4.880 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.775 | 196  | 17057    | 4.082 | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.845 | 196  | 19306    | 4.216 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.181 | 154  | 79320    | 4.741 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.216 | 162  | 61785    | 4.762 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.422 | 65   | 20450    | 3.927 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.804 | 163  | 84680    | 4.929 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.922 | 165  | 13384    | 3.990 | ng/ul# | 85       |
| 50) Acenaphthylene            | 14.069 | 152  | 97657    | 4.741 | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.251 | 138  | 12750    | 3.520 | ng/ul  | 96       |
| 52) Acenaphthene              | 14.410 | 153  | 71302    | 4.801 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.457 | 184  | 10640    | 4.613 | ng/ul  | 92       |
| 55) 4-Nitrophenol             | 14.563 | 109  | 15816    | 4.760 | ng/ul  | 96       |
| 56) Dibenzofuran              | 14.745 | 168  | 96734    | 4.727 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 22723    | 4.424 | ng/ul# | 90       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 16470    | 4.303 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.175 | 149  | 85799    | 4.807 | ng/ul  | 97       |
| 61) Fluorene                  | 15.398 | 166  | 82714    | 4.890 | ng/ul  | 97       |
| 62) 4-Chlorophenyl-phenyle... | 15.392 | 204  | 38657    | 4.792 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.422 | 138  | 12799m   | 3.591 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.475 | 198  | 18092    | 5.045 | ng/ul# | 71       |
| 67) N-Nitrosodiphenylamine    | 15.610 | 169  | 66609    | 4.473 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248  | 21600    | 4.570 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 24022    | 4.562 | ng/ul  | 99       |
| 70) Atrazine                  | 16.563 | 200  | 27447    | 4.955 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 16.745 | 266  | 17685    | 4.860 | ng/ul  | 95       |
| 72) Phenanthrene              | 17.133 | 178  | 135731   | 4.807 | ng/ul  | 99       |
| 74) Anthracene                | 17.227 | 178  | 130626   | 4.544 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.139 | 216  | 27770    | 4.163 | ng/uL  | 93       |
| 76) Pentachlorobenzene        | 14.669 | 250  | 27801    | 4.139 | ng/uL  | 98       |
| 77) Carbazole                 | 17.498 | 167  | 112947   | 4.372 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.069 | 149  | 140514   | 4.373 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.157 | 202  | 154120   | 4.940 | ng/ul  | 98       |
| 82) Pyrene                    | 19.516 | 202  | 171545   | 5.051 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.427 | 149  | 61518    | 4.392 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.245 | 252  | 39957    | 4.448 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.316 | 228  | 162527   | 4.834 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.245 | 149  | 90936    | 4.469 | ng/ul  | 99       |
| 87) Chrysene                  | 21.374 | 228  | 156500   | 4.836 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.363 | 149  | 140123   | 4.070 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.351 | 252  | 153747   | 4.900 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.410 | 252  | 155184   | 4.901 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.145 | 252  | 142116   | 4.745 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.598 | 276  | 165667   | 4.530 | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.650 | 278  | 135294   | 4.641 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 28.633 | 276  | 131153   | 4.606 | ng/ul  | 99       |

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

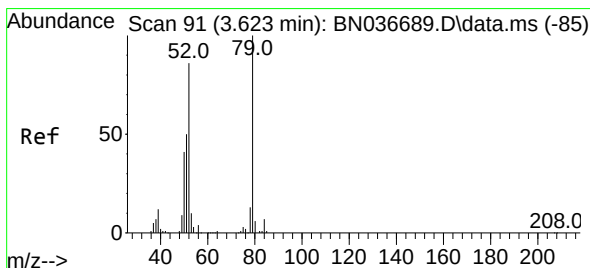
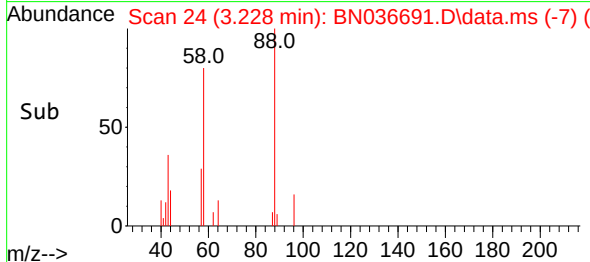
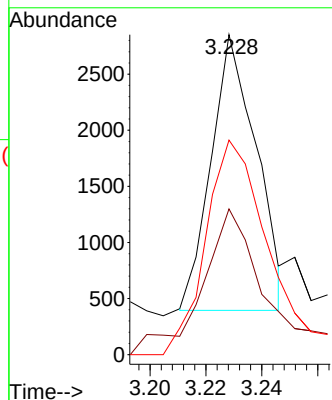
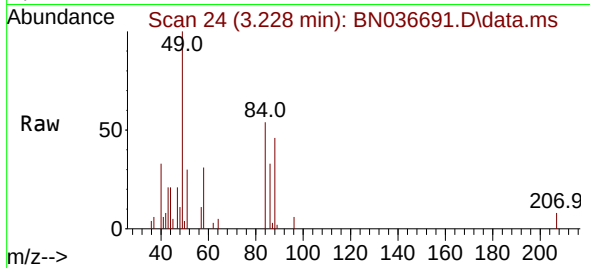




#2  
1,4-Dioxane  
Concen: 1.285 ng/uL m  
RT: 3.228 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

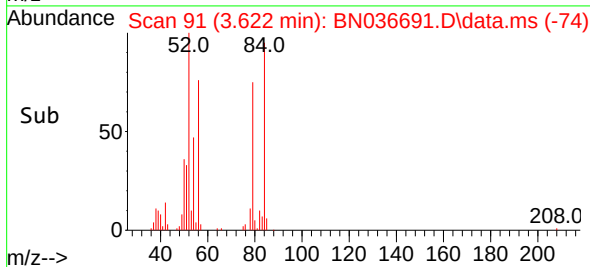
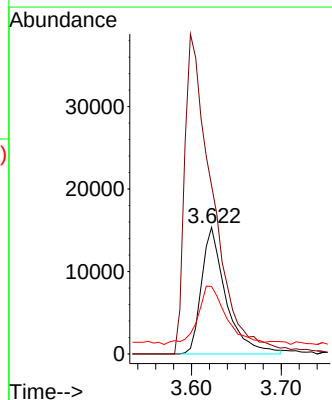
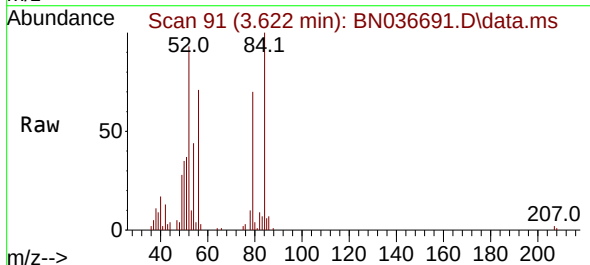
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

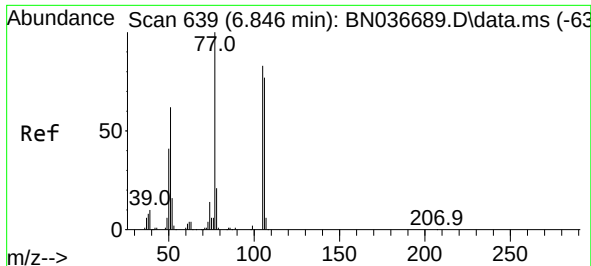
Tgt Ion: 88 Resp: 2771  
Ion Ratio Lower Upper  
88 100  
43 45.5 31.8 47.8  
58 67.0 69.9 104.9#



#5  
Pyridine  
Concen: 4.724 ng/uL  
RT: 3.622 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 79 Resp: 28971  
Ion Ratio Lower Upper  
79 100  
52 133.2 78.8 118.2#  
51 53.3 39.7 59.5

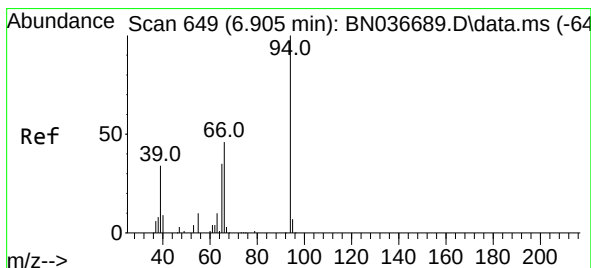
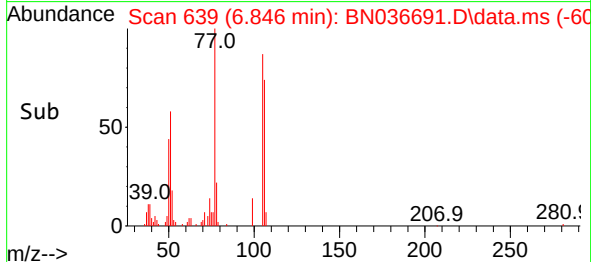
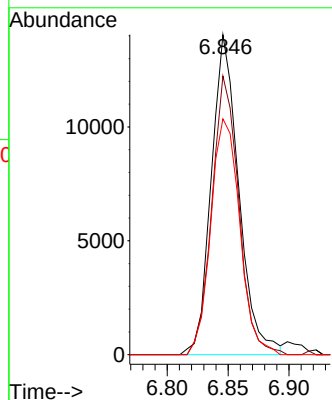
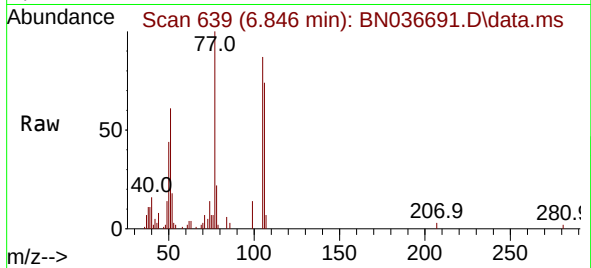




#6  
Benzaldehyde  
Concen: 5.248 ng/ul  
RT: 6.846 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

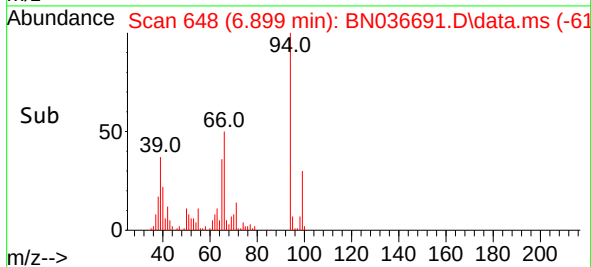
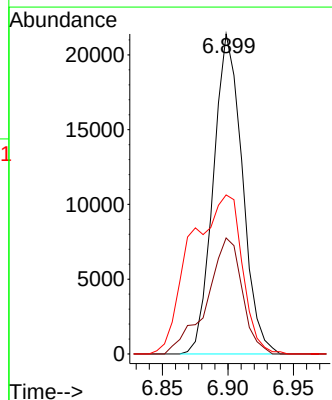
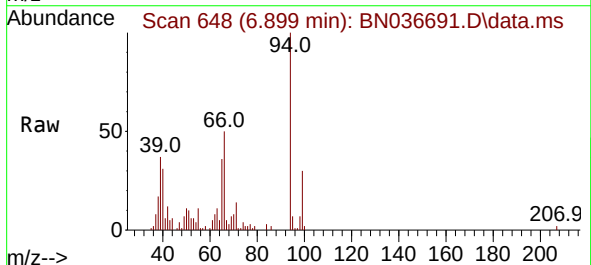
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

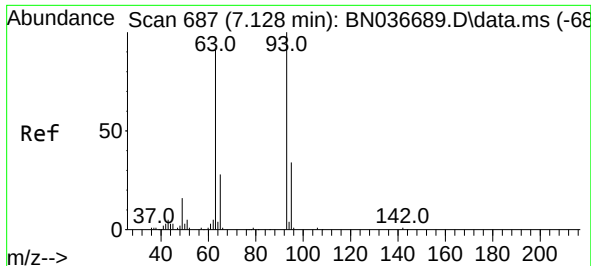
Tgt Ion: 77 Resp: 22088  
Ion Ratio Lower Upper  
77 100  
105 87.1 68.7 103.1  
106 73.7 65.4 98.2



#8  
Phenol  
Concen: 4.290 ng/ul  
RT: 6.899 min Scan# 648  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 94 Resp: 32844  
Ion Ratio Lower Upper  
94 100  
65 36.3 27.1 40.7  
66 49.7 37.6 56.4

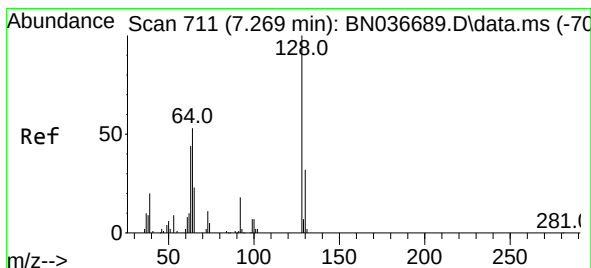
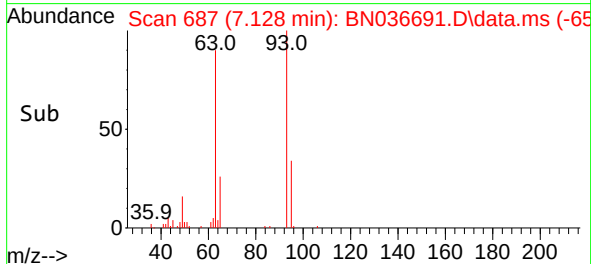
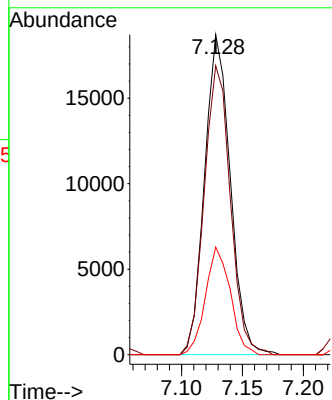
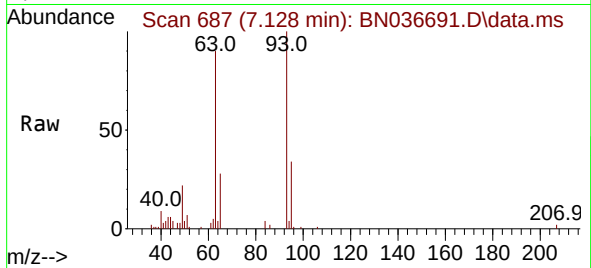




#10  
Bis(2-Chloroethyl)ether  
Concen: 4.600 ng/ul  
RT: 7.128 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

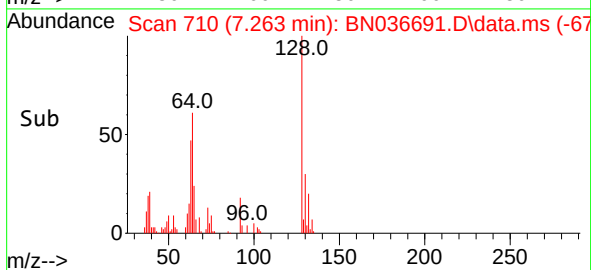
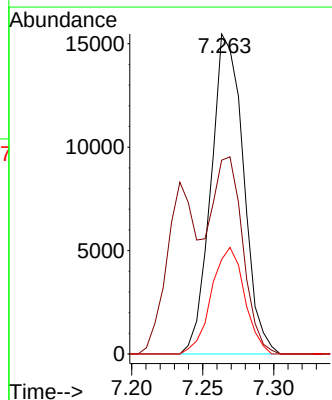
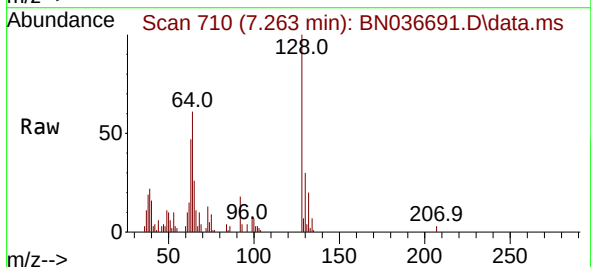
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

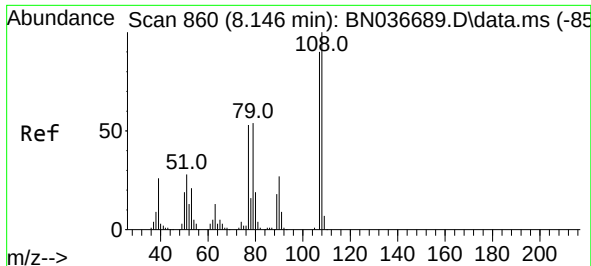
Tgt Ion: 93 Resp: 27500  
Ion Ratio Lower Upper  
93 100  
63 90.3 71.7 107.5  
95 33.6 26.8 40.2



#12  
2-Chlorophenol  
Concen: 4.642 ng/ul  
RT: 7.263 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:128 Resp: 24588  
Ion Ratio Lower Upper  
128 100  
64 60.5 48.5 72.7  
130 29.5 25.9 38.9

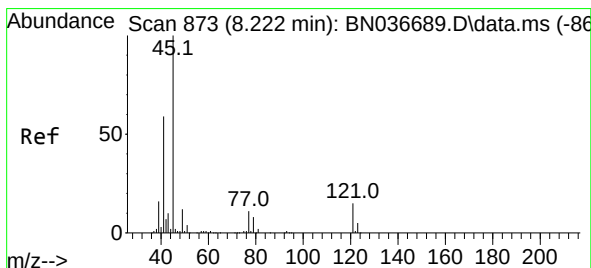
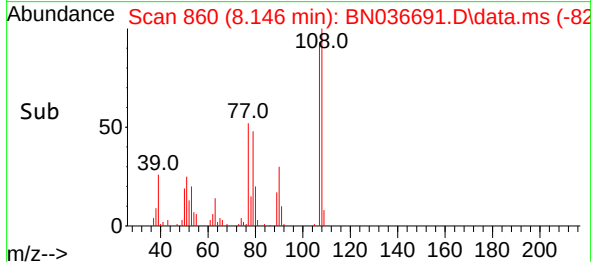
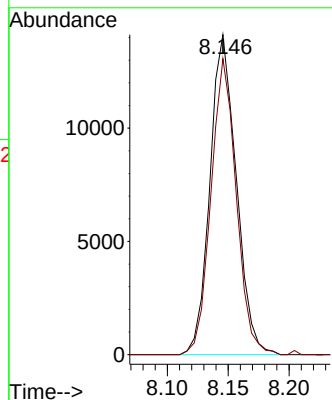
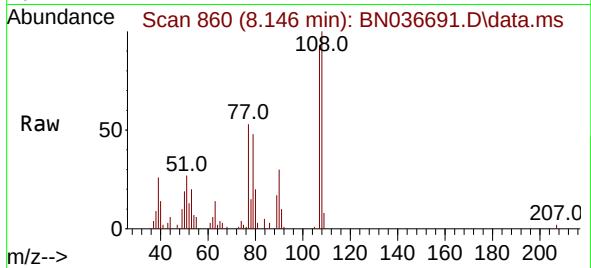




#13  
2-Methylphenol  
Concen: 3.861 ng/ul  
RT: 8.146 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

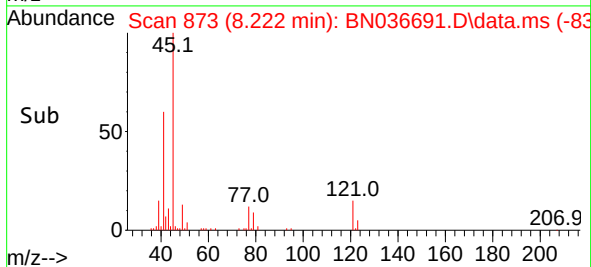
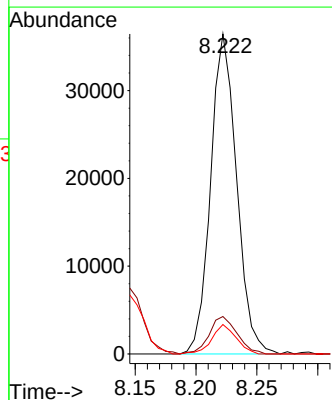
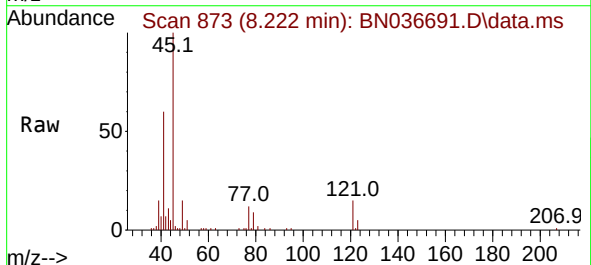
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BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

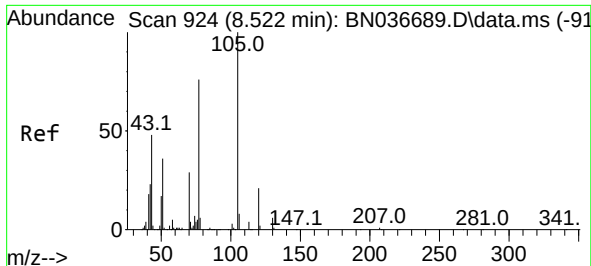
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Ion Ratio Lower Upper  
108 100  
107 92.5 73.0 109.4



#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.725 ng/ul  
RT: 8.222 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 45 Resp: 54213  
Ion Ratio Lower Upper  
45 100  
77 11.7 9.9 14.9  
79 9.2 7.0 10.4

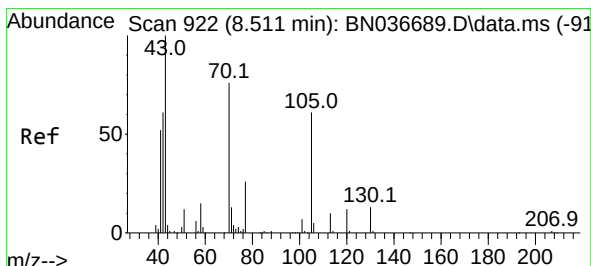
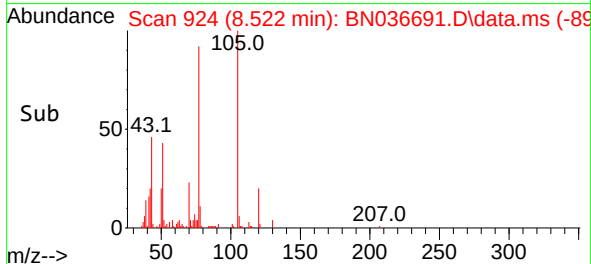
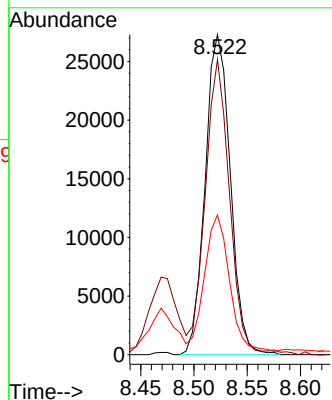
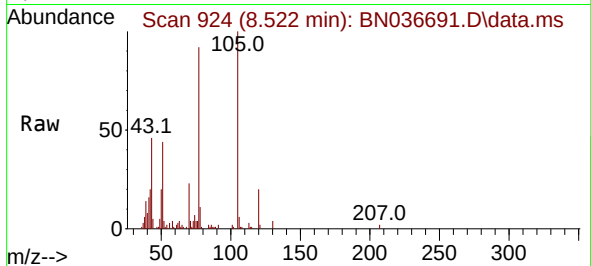




#16  
Acetophenone  
Concen: 4.468 ng/ul  
RT: 8.522 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

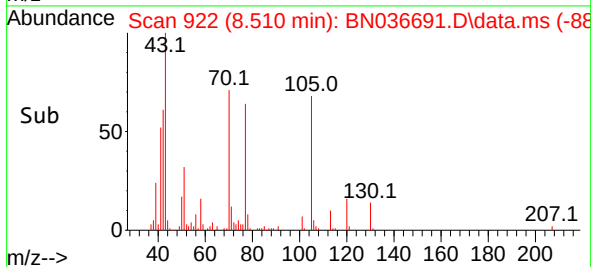
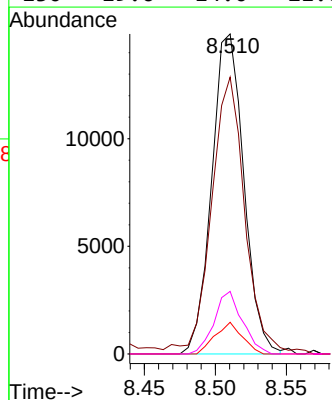
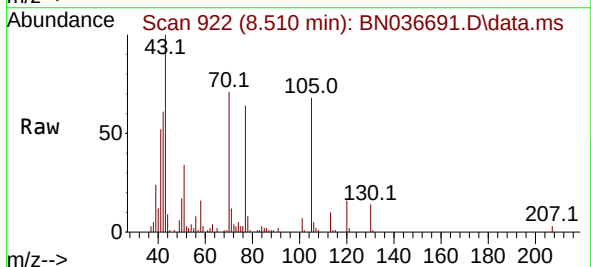
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

Tgt Ion:105 Resp: 44776  
Ion Ratio Lower Upper  
105 100  
77 92.2 71.9 107.9  
51 43.6 30.6 46.0

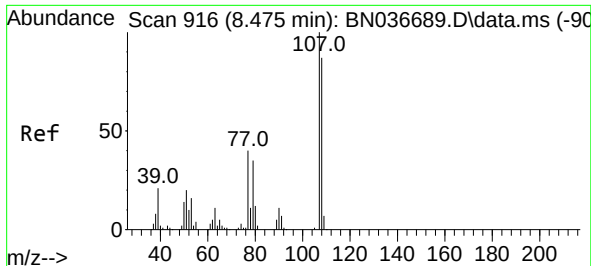


#17  
N-Nitroso-di-n-propylamine  
Concen: 4.156 ng/ul  
RT: 8.510 min Scan# 922  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 70 Resp: 23393  
Ion Ratio Lower Upper  
70 100  
42 86.5 61.7 92.5  
101 9.9 6.6 10.0  
130 19.6 14.0 21.0



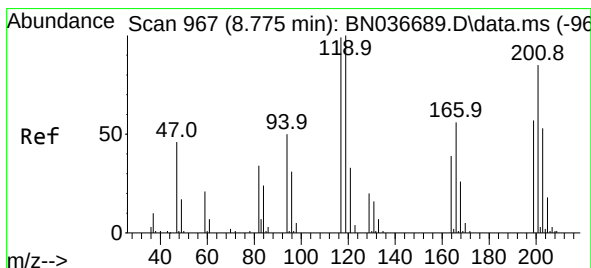
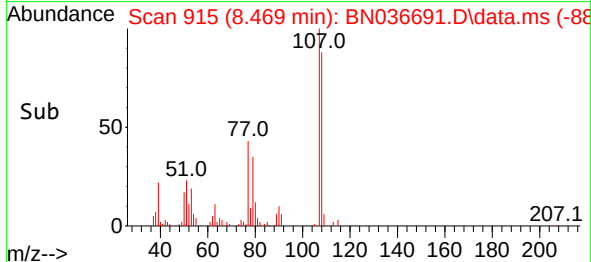
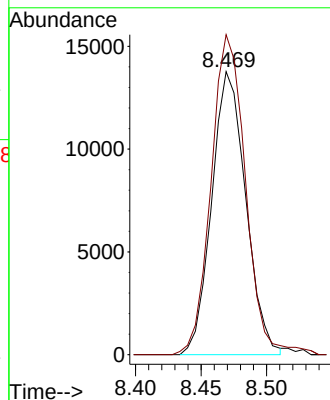
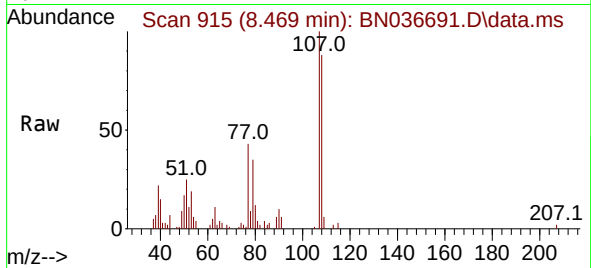




#18  
4-Methylphenol  
Concen: 3.947 ng/ul  
RT: 8.469 min Scan# 916  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

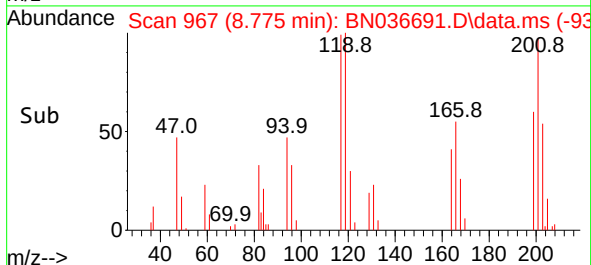
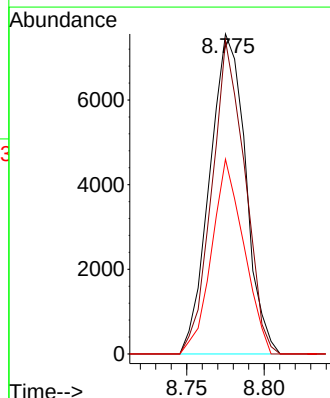
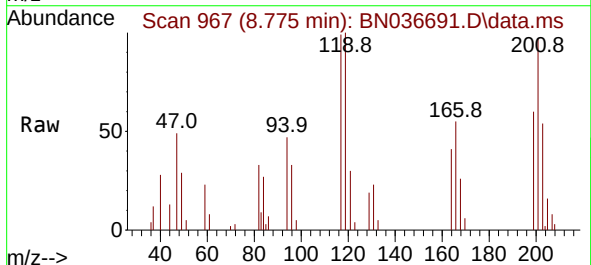
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

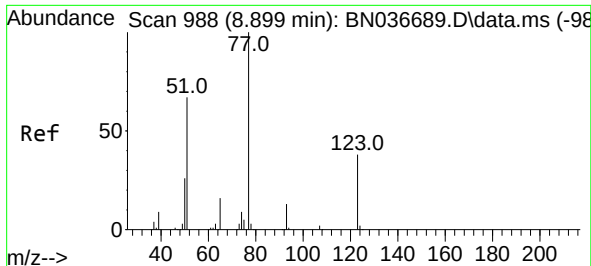
Tgt Ion:108 Resp: 24858  
Ion Ratio Lower Upper  
108 100  
107 113.0 92.8 139.2



#19  
Hexachloroethane  
Concen: 4.994 ng/ul  
RT: 8.775 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:117 Resp: 12159  
Ion Ratio Lower Upper  
117 100  
201 98.0 75.6 113.4  
199 60.9 47.0 70.6

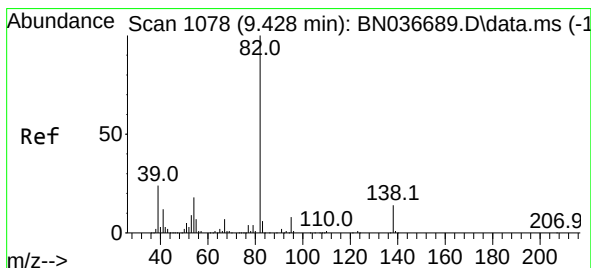
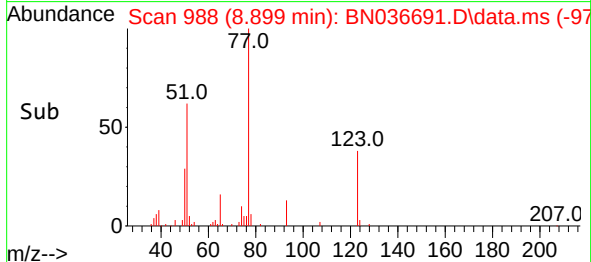
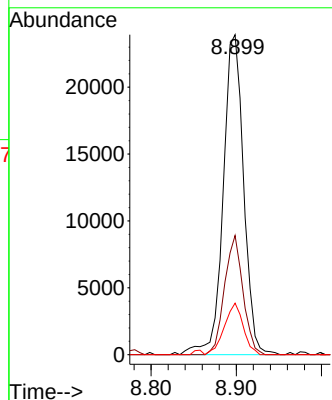
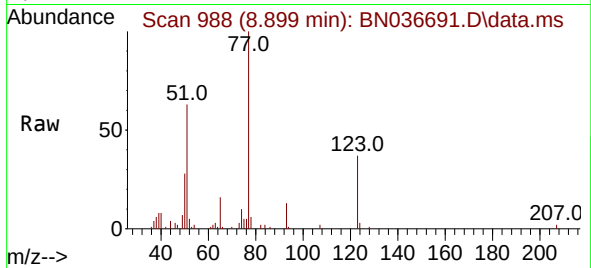




#22  
Nitrobenzene  
Concen: 5.088 ng/ul  
RT: 8.899 min Scan# 988  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

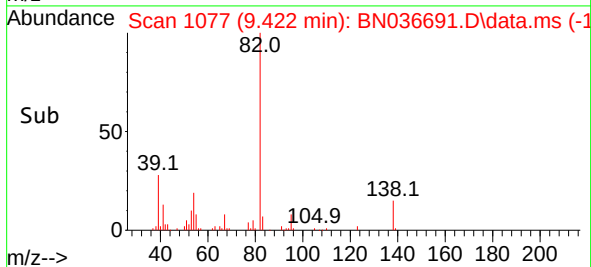
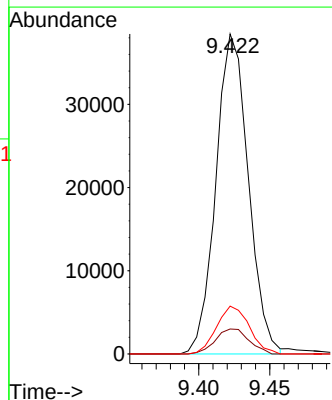
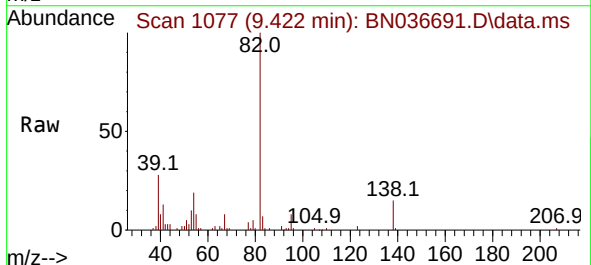
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

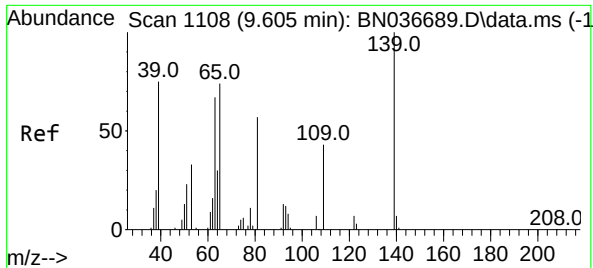
Tgt Ion: 77 Resp: 39828  
Ion Ratio Lower Upper  
77 100  
123 37.3 30.6 46.0  
65 16.1 12.1 18.1



#23  
Isophorone  
Concen: 4.189 ng/ul  
RT: 9.422 min Scan# 1077  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 82 Resp: 61068  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.0 9.0  
138 15.0 12.2 18.2

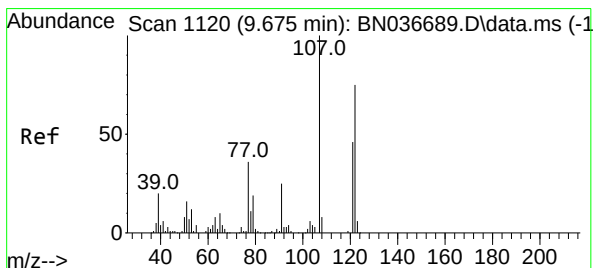
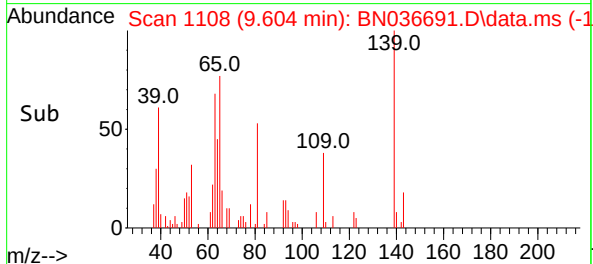
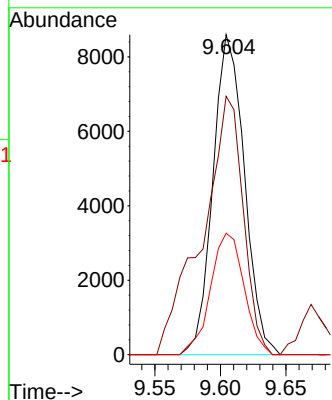
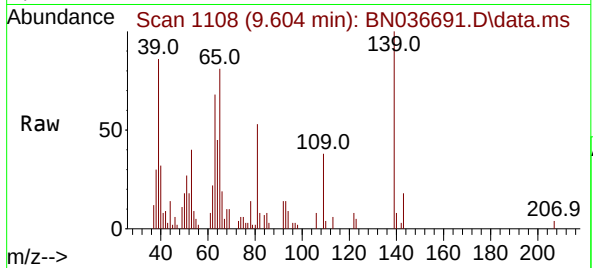




#25  
2-Nitrophenol  
Concen: 4.718 ng/ul  
RT: 9.604 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

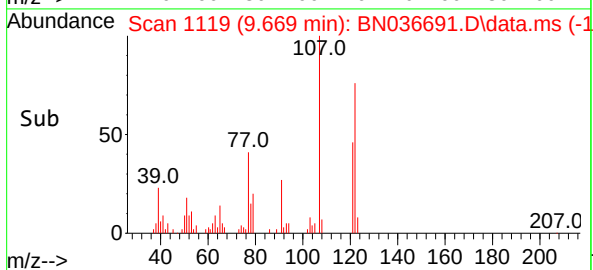
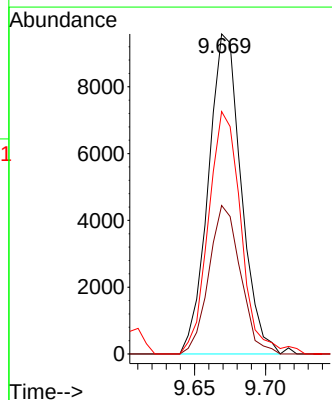
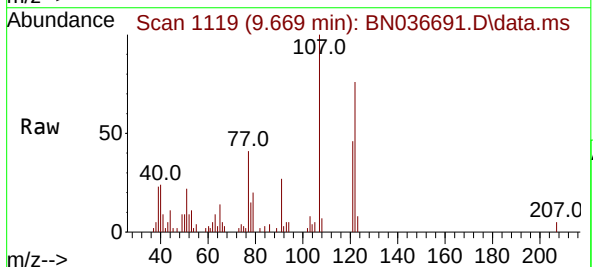
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

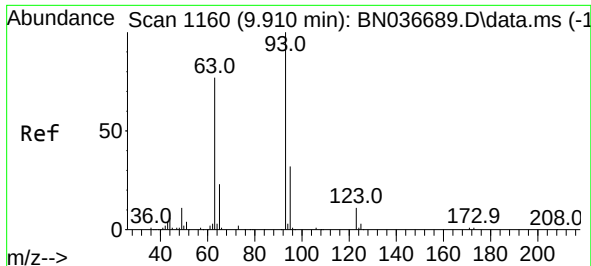
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 14366 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 65        | 80.8  | 54.7  | 82.1  |
| 109       | 38.0  | 28.4  | 42.6  |



#26  
2,4-Dimethylphenol  
Concen: 2.395 ng/ul  
RT: 9.669 min Scan# 1119  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 15415 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 121       | 46.4  | 36.2  | 54.2  |
| 122       | 75.8  | 61.0  | 91.4  |

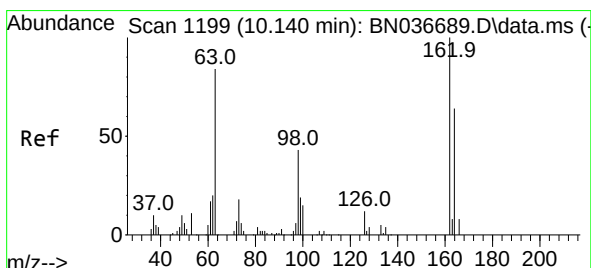
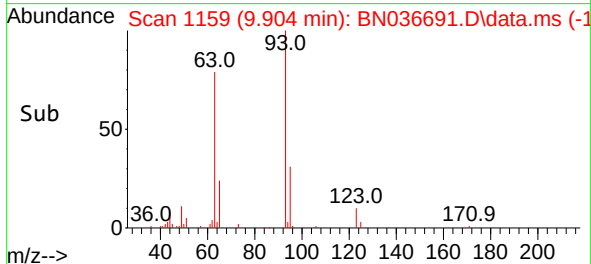
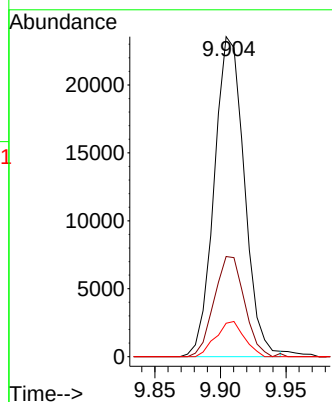
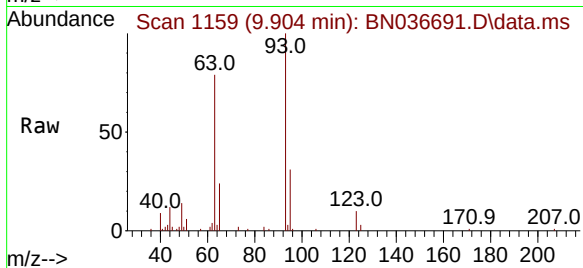




#27  
Bis(2-Chloroethoxy)methane  
Concen: 4.572 ng/ul  
RT: 9.904 min Scan# 1160  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

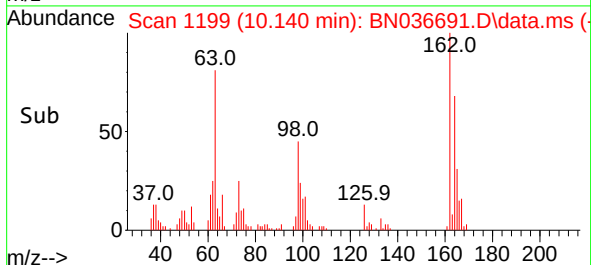
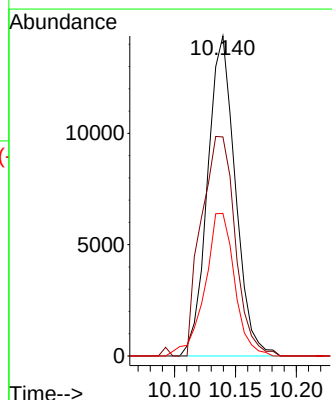
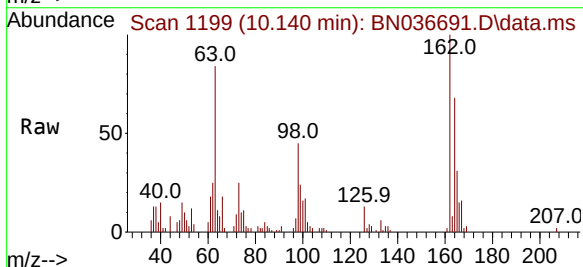
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

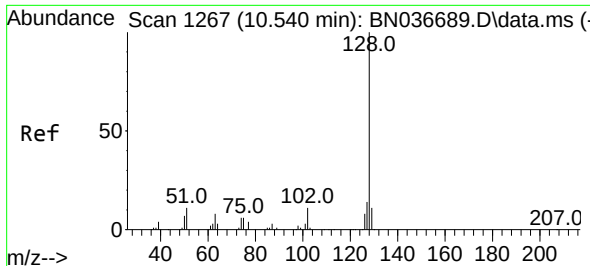
Tgt Ion: 93 Resp: 37582  
Ion Ratio Lower Upper  
93 100  
95 31.3 24.8 37.2  
123 10.4 8.3 12.5



#29  
2,4-Dichlorophenol  
Concen: 4.497 ng/ul  
RT: 10.140 min Scan# 1199  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion: 162 Resp: 22874  
Ion Ratio Lower Upper  
162 100  
164 68.5 51.1 76.7  
98 44.6 35.0 52.6

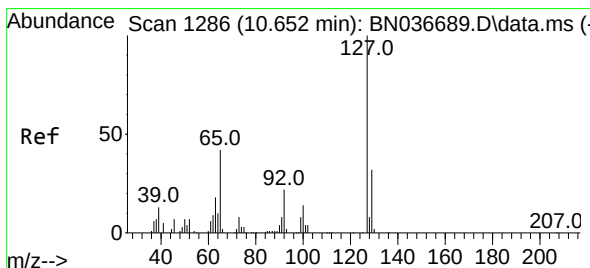
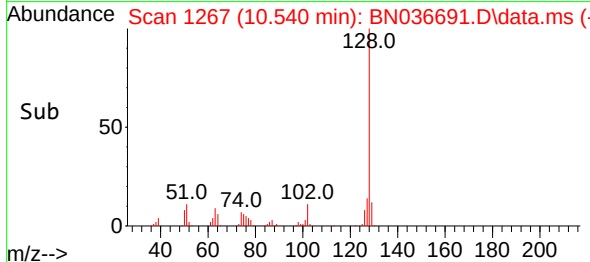
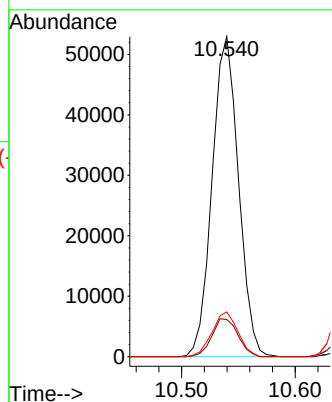
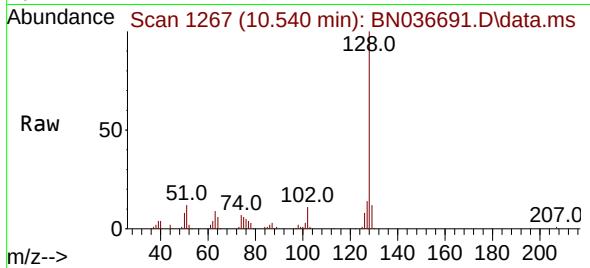




#30  
Naphthalene  
Concen: 4.714 ng/ul  
RT: 10.540 min Scan# 1267  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

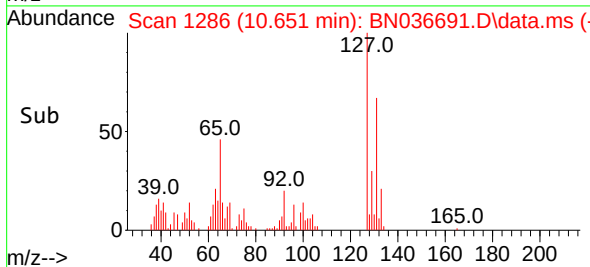
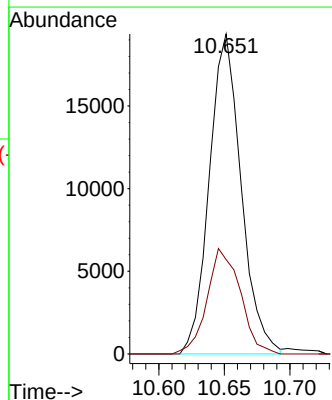
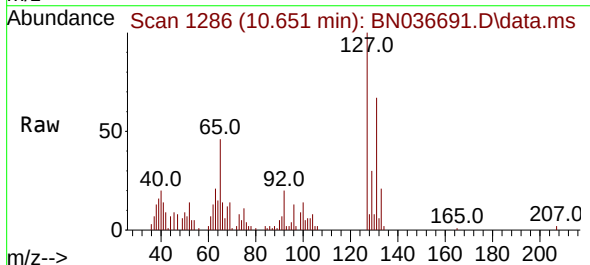
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT1-2025-01

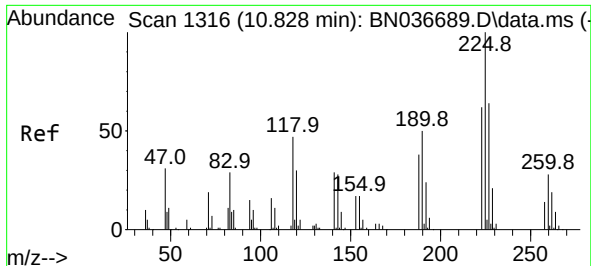
Tgt Ion:128 Resp: 85357  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.7 13.1  
127 14.0 11.4 17.0



#32  
4-Chloroaniline  
Concen: 4.408 ng/ul  
RT: 10.651 min Scan# 1286  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:127 Resp: 32674  
Ion Ratio Lower Upper  
127 100  
129 29.5 25.0 37.6

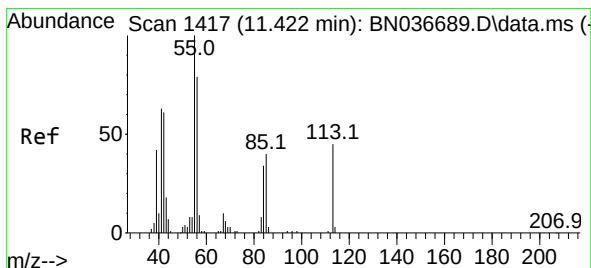
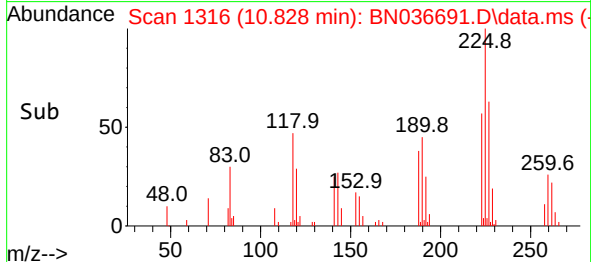
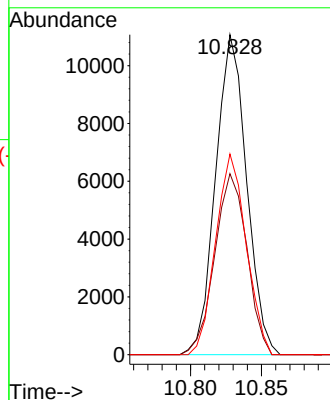
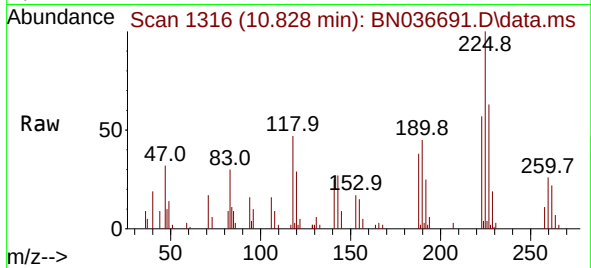




#33  
Hexachlorobutadiene  
Concen: 5.017 ng/ul  
RT: 10.828 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

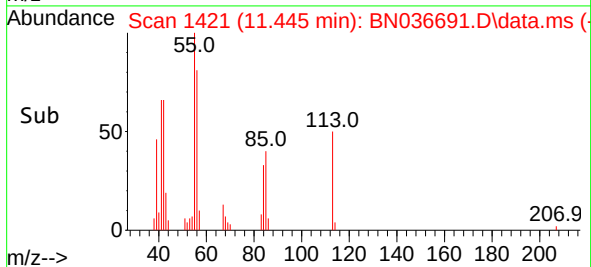
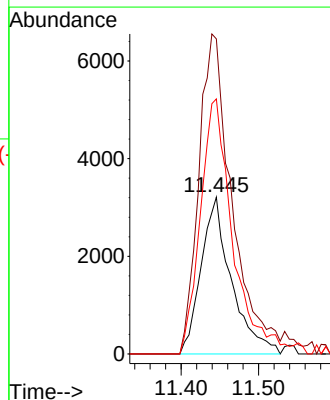
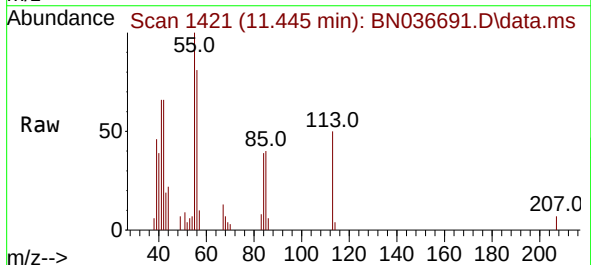
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

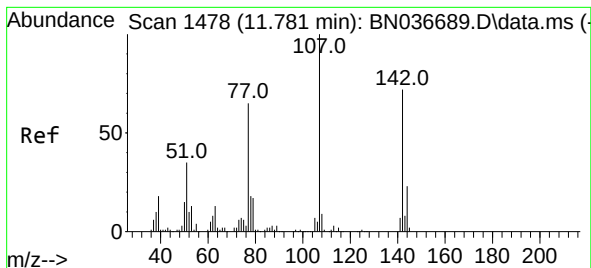
Tgt Ion:225 Resp: 16811  
Ion Ratio Lower Upper  
225 100  
223 56.5 48.7 73.1  
227 65.1 49.5 74.3



#34  
Caprolactam  
Concen: 4.145 ng/ul  
RT: 11.445 min Scan# 1421  
Delta R.T. 0.023 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:113 Resp: 8734  
Ion Ratio Lower Upper  
113 100  
55 200.8 182.8 274.2  
56 162.6 137.3 205.9





#35

4-Chloro-3-methylphenol

Concen: 3.999 ng/ul

RT: 11.781 min Scan# 1478

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

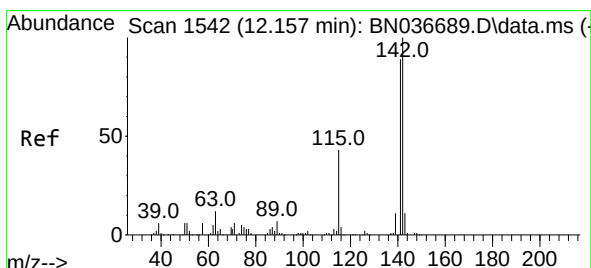
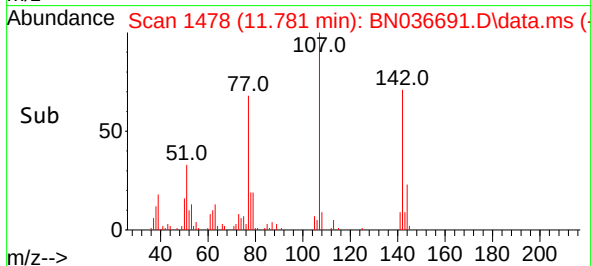
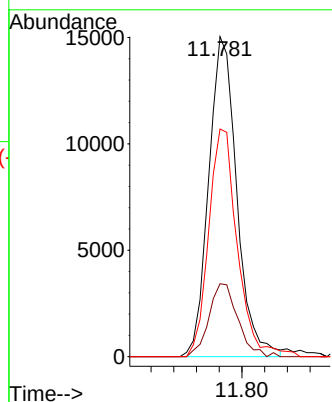
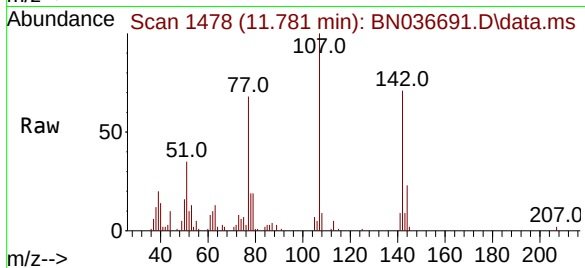
Tgt Ion:107 Resp: 25802

Ion Ratio Lower Upper

107 100

144 22.8 17.7 26.5

142 71.1 55.8 83.6



#36

2-Methylnaphthalene

Concen: 4.588 ng/ul

RT: 12.157 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BN036691.D

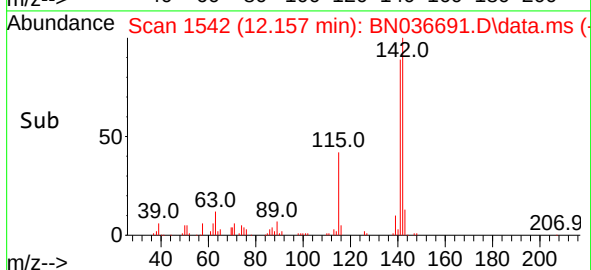
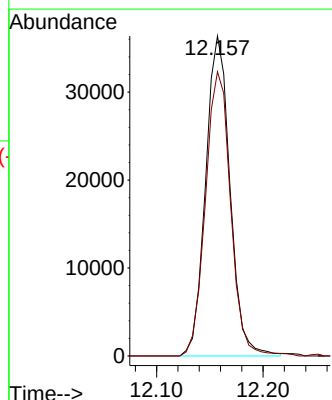
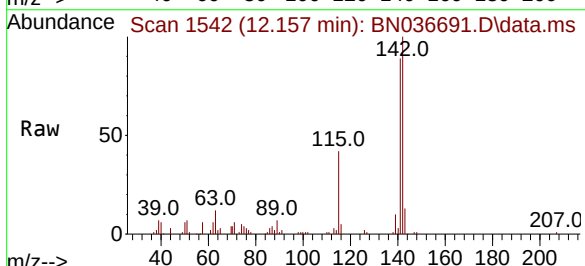
Acq: 20 Mar 2025 11:24

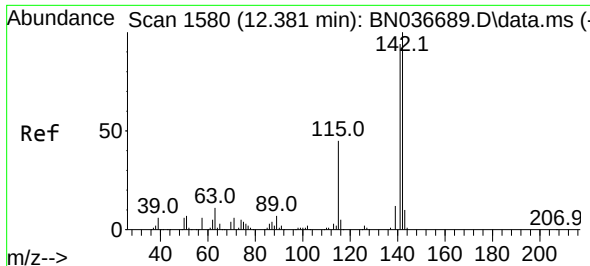
Tgt Ion:142 Resp: 57821

Ion Ratio Lower Upper

142 100

141 88.8 71.6 107.4

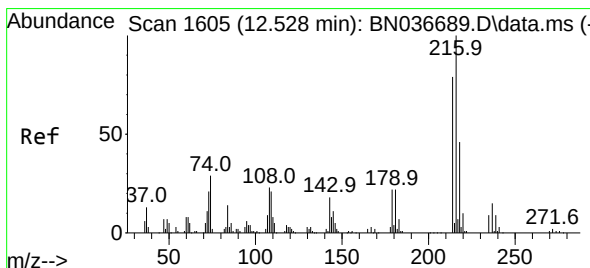
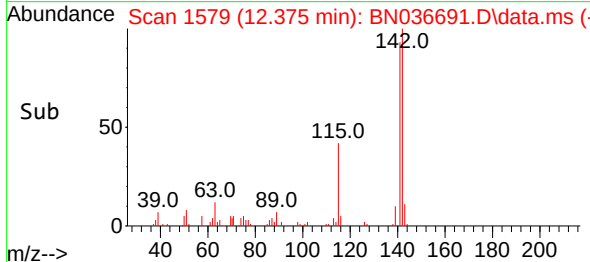
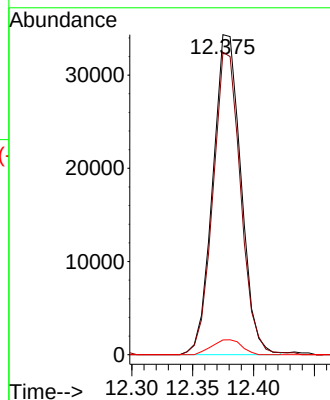
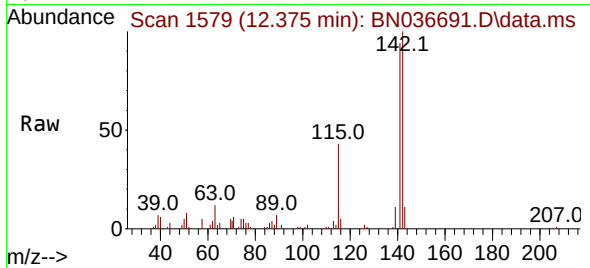




#37  
1-Methylnaphthalene  
Concen: 4.347 ng/ul  
RT: 12.375 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

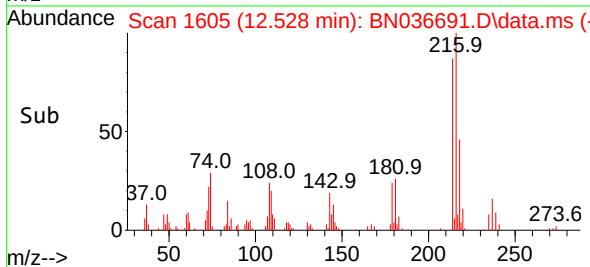
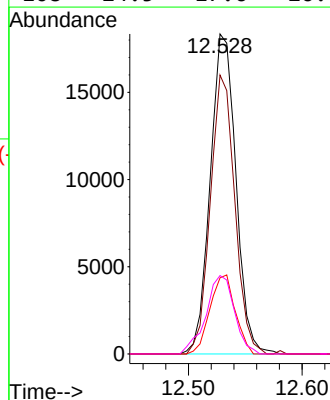
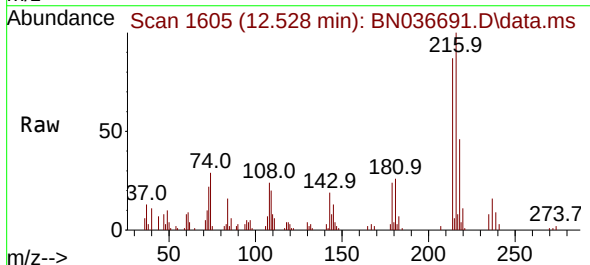
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

Tgt Ion:142 Resp: 55245  
Ion Ratio Lower Upper  
142 100  
141 94.5 74.3 111.5  
116 4.6 3.5 5.3

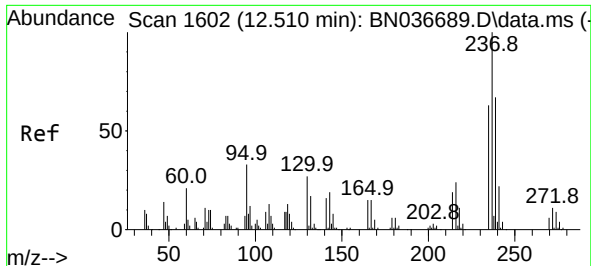


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.539 ng/ul  
RT: 12.528 min Scan# 1605  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:216 Resp: 28834  
Ion Ratio Lower Upper  
216 100  
214 87.2 65.9 98.9  
179 23.8 18.2 27.2  
108 24.5 17.6 26.4



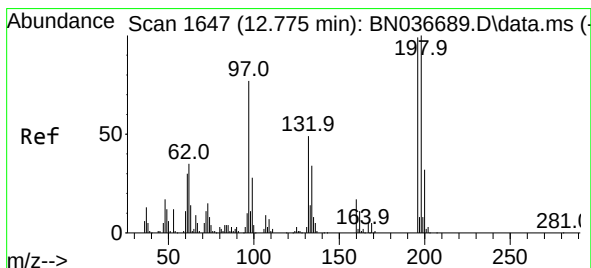
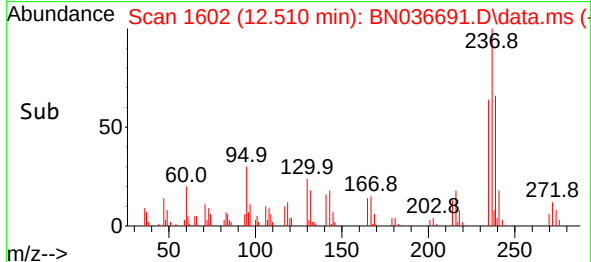
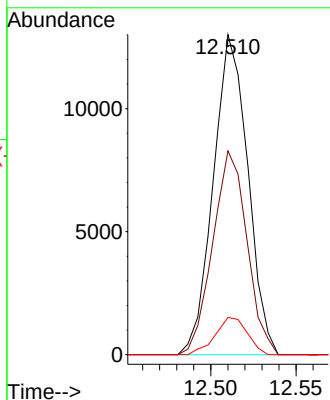
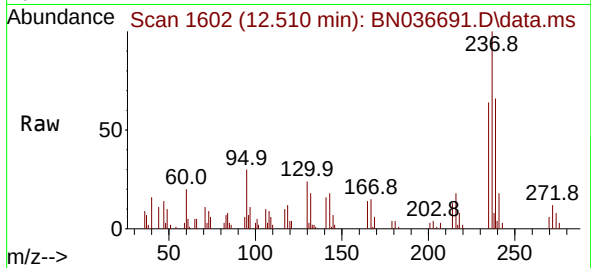




#40  
Hexachlorocyclopentadiene  
Concen: 4.880 ng/ul  
RT: 12.510 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

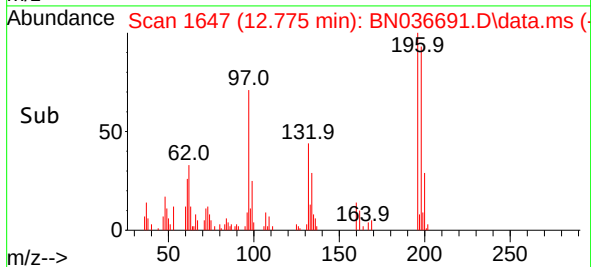
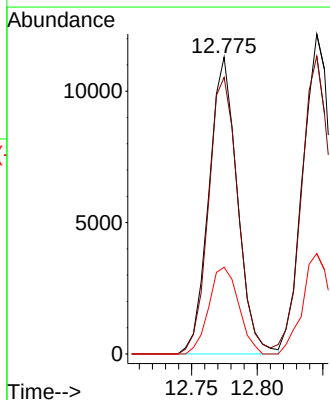
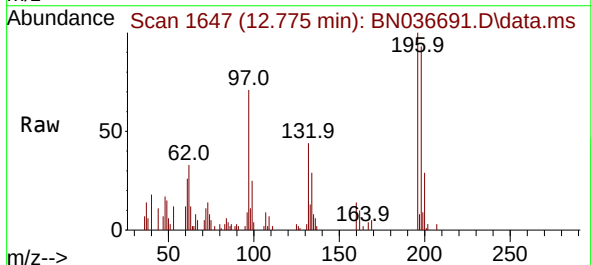
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

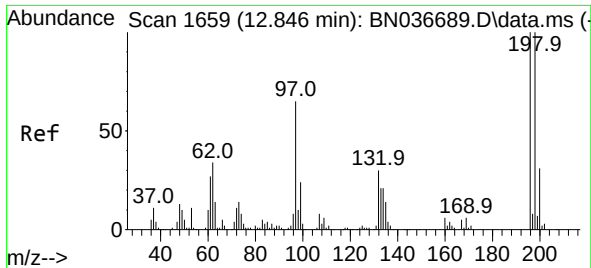
Tgt Ion:237 Resp: 18295  
Ion Ratio Lower Upper  
237 100  
235 63.7 50.3 75.5  
272 11.6 8.7 13.1



#41  
2,4,6-Trichlorophenol  
Concen: 4.082 ng/ul  
RT: 12.775 min Scan# 1647  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:196 Resp: 17057  
Ion Ratio Lower Upper  
196 100  
198 93.1 73.9 110.9  
200 29.2 26.1 39.1

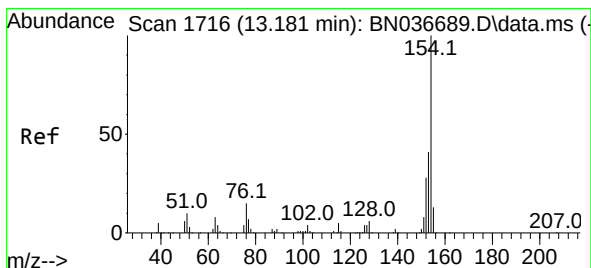
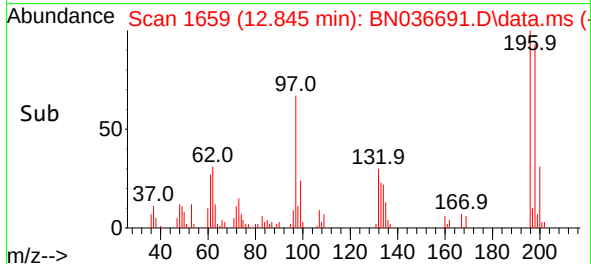
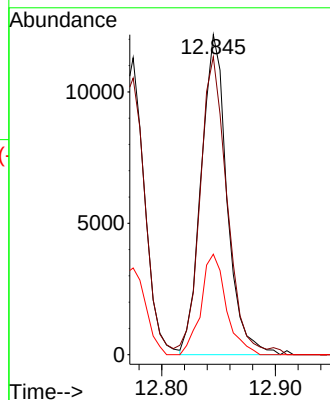
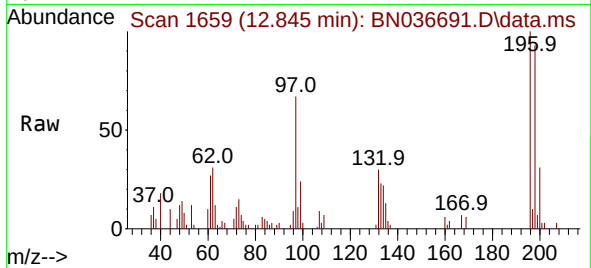




#42  
2,4,5-Trichlorophenol  
Concen: 4.216 ng/ul  
RT: 12.845 min Scan# 1659  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

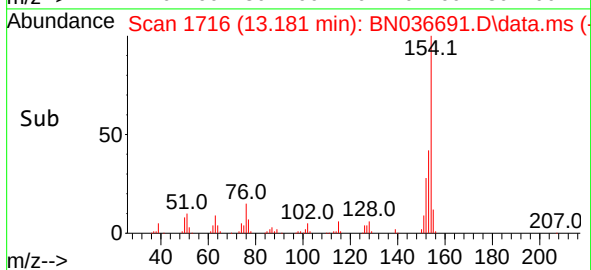
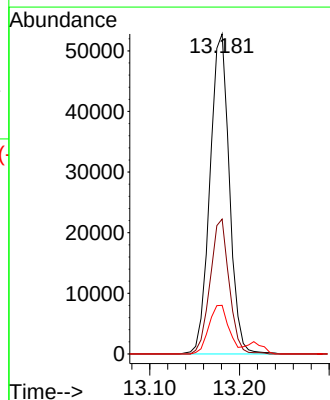
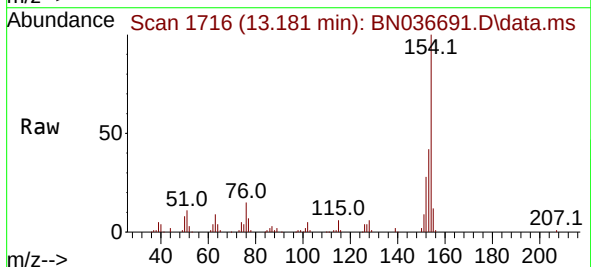
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

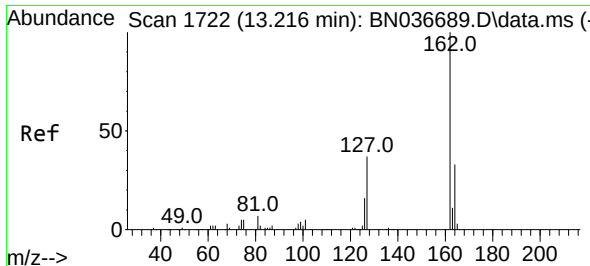
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.1  | 75.6  | 113.4 |
| 200     | 31.4  | 25.9  | 38.9  |



#43  
1,1'-Biphenyl  
Concen: 4.741 ng/ul  
RT: 13.181 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.1  | 32.7  | 49.1  |
| 76      | 15.2  | 12.7  | 19.1  |

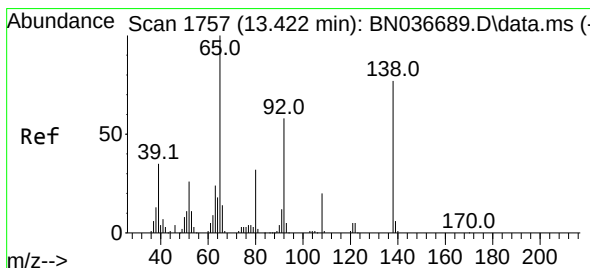
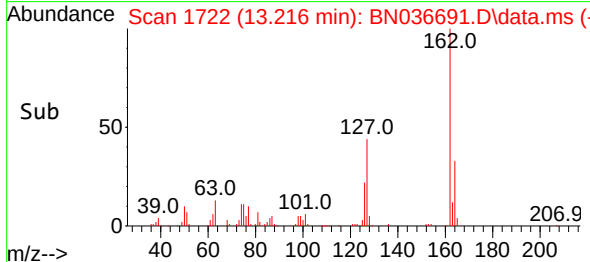
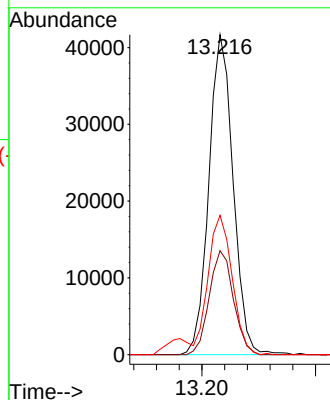
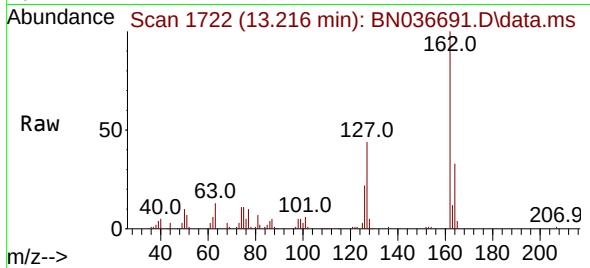




#44  
2-Chloronaphthalene  
Concen: 4.762 ng/ul  
RT: 13.216 min Scan# 1722  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

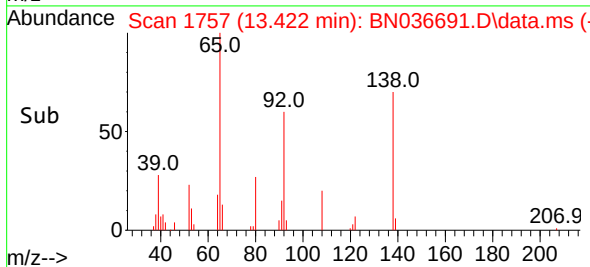
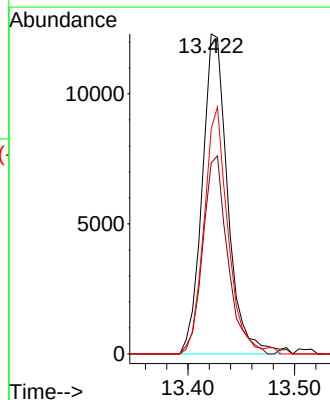
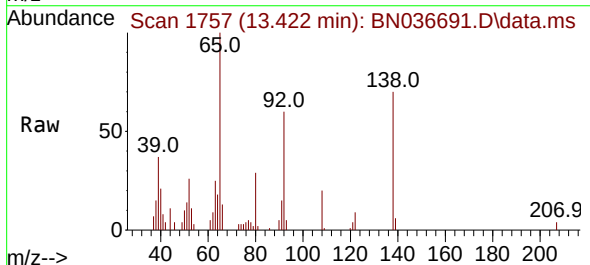
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

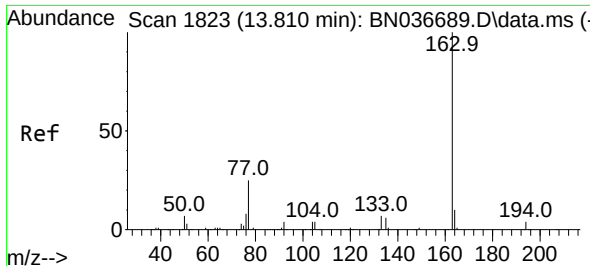
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 61785     |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 164         | 32.5  | 26.3 39.5 |
| 127         | 43.6  | 34.2 51.4 |



#45  
2-Nitroaniline  
Concen: 3.927 ng/ul  
RT: 13.422 min Scan# 1757  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 65 | Resp: | 20450     |
| Ion Ratio   | Lower | Upper     |
| 65          | 100   |           |
| 92          | 59.8  | 48.6 72.8 |
| 138         | 70.4  | 62.8 94.2 |

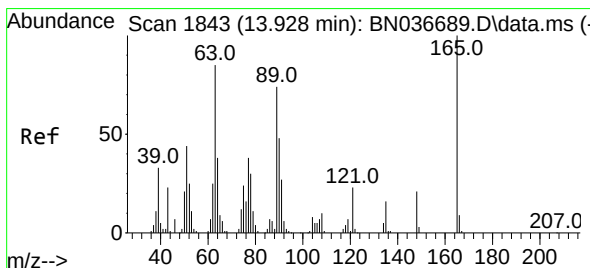
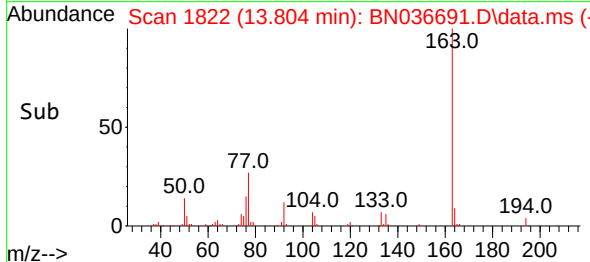
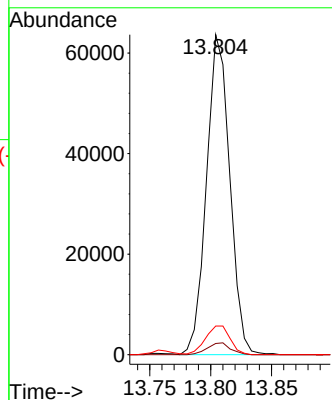
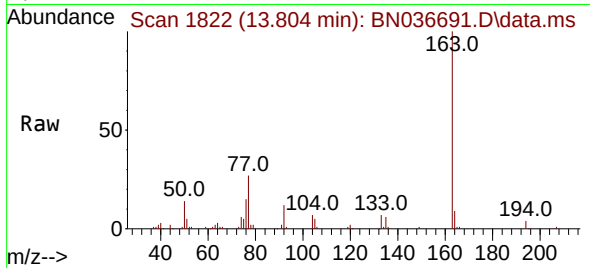




#47  
Dimethylphthalate  
Concen: 4.929 ng/ul  
RT: 13.804 min Scan# 1822  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

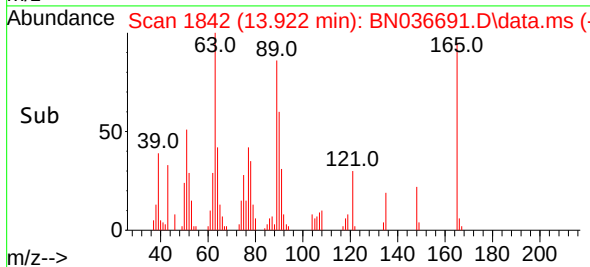
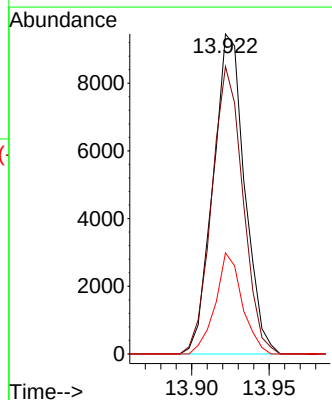
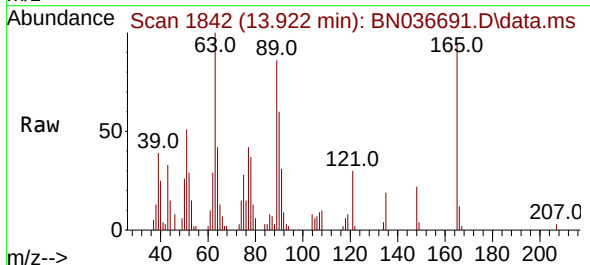
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

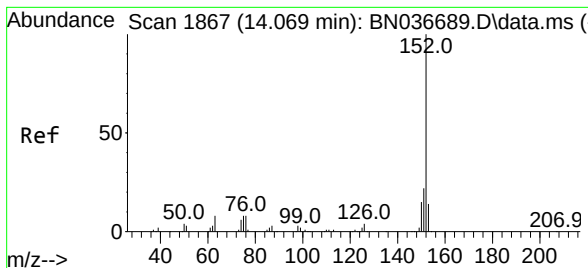
Tgt Ion:163 Resp: 84680  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.0 4.4  
164 9.0 7.8 11.6



#48  
2,6-Dinitrotoluene  
Concen: 3.990 ng/ul  
RT: 13.922 min Scan# 1842  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:165 Resp: 13384  
Ion Ratio Lower Upper  
165 100  
89 89.9 60.4 90.6  
121 31.6 20.9 31.3#





#50

Acenaphthylene

Concen: 4.741 ng/ul

RT: 14.069 min Scan# 1867

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

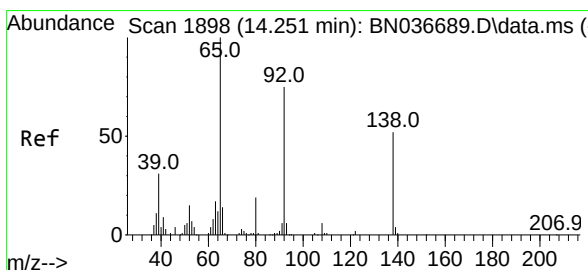
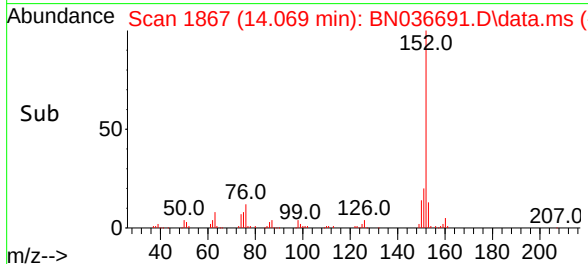
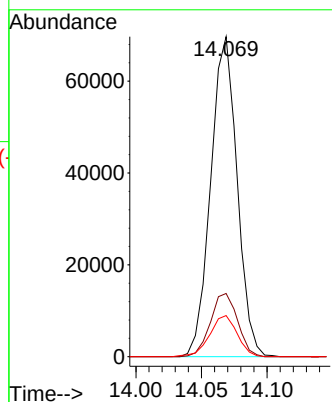
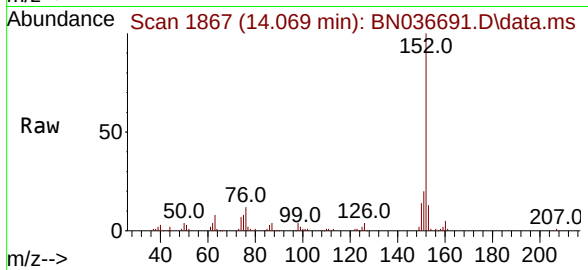
Tgt Ion:152 Resp: 97657

Ion Ratio Lower Upper

152 100

151 19.7 17.2 25.8

153 12.9 11.0 16.4



#51

3-Nitroaniline

Concen: 3.520 ng/ul

RT: 14.251 min Scan# 1898

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

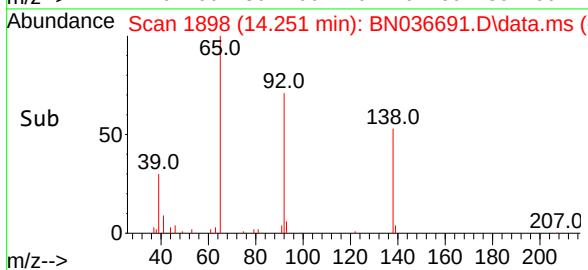
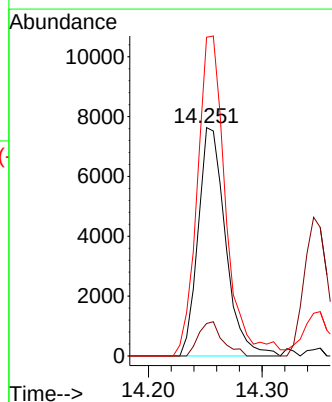
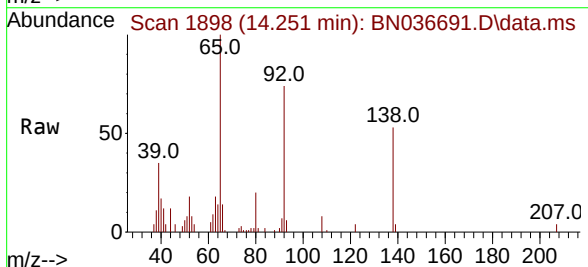
Tgt Ion:138 Resp: 12750

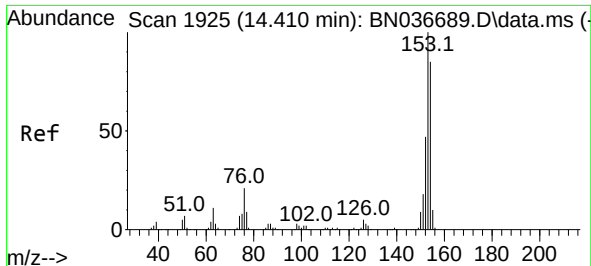
Ion Ratio Lower Upper

138 100

108 14.2 10.2 15.4

92 139.6 107.4 161.0

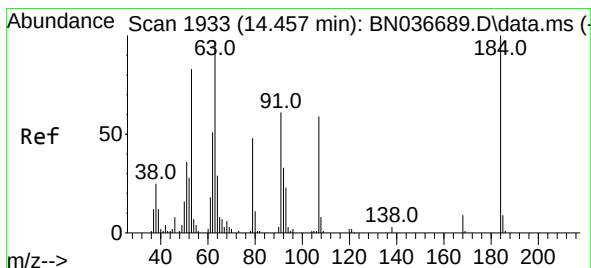
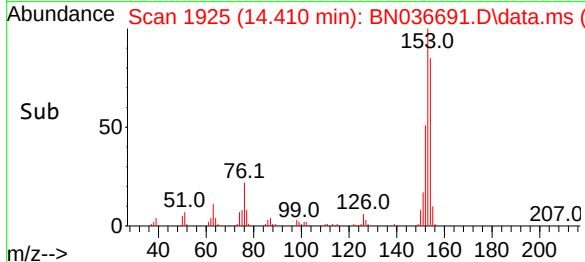
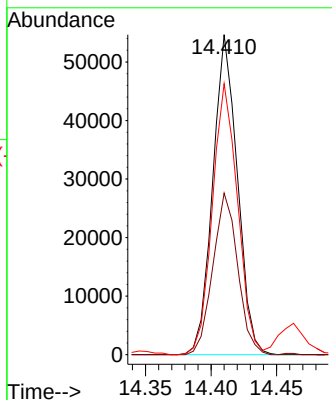
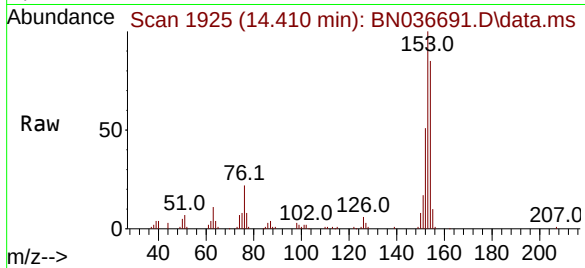




#52  
Acenaphthene  
Concen: 4.801 ng/ul  
RT: 14.410 min Scan# 1925  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

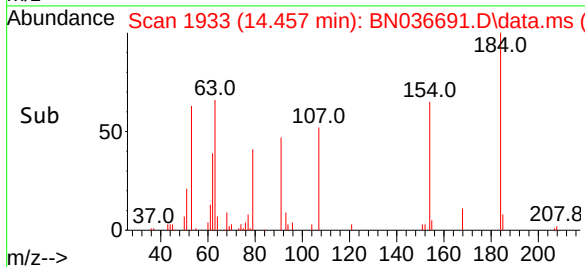
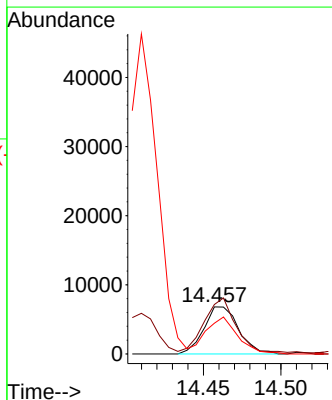
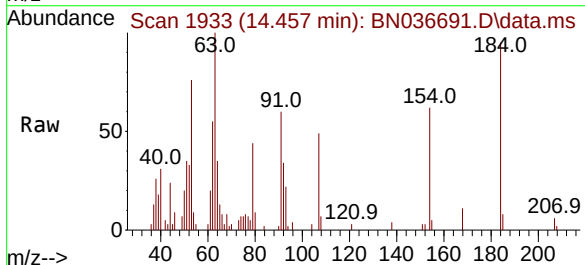
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

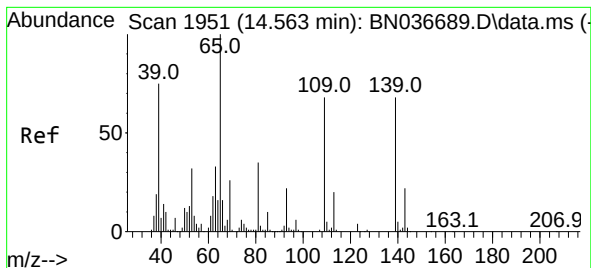
Tgt Ion:153 Resp: 71302  
Ion Ratio Lower Upper  
153 100  
152 50.5 40.8 61.2  
154 84.7 71.6 107.4



#53  
2,4-Dinitrophenol  
Concen: 4.613 ng/ul  
RT: 14.457 min Scan# 1933  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:184 Resp: 10640  
Ion Ratio Lower Upper  
184 100  
63 105.2 74.1 111.1  
154 65.5 53.4 80.2





#55

4-Nitrophenol

Concen: 4.760 ng/ul

RT: 14.563 min Scan# 1951

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

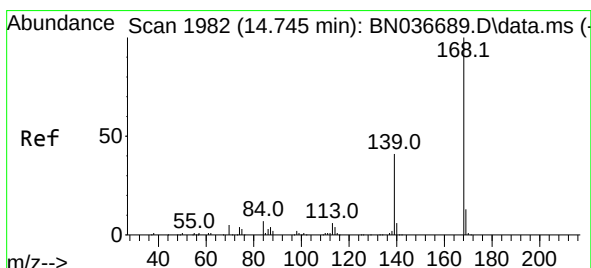
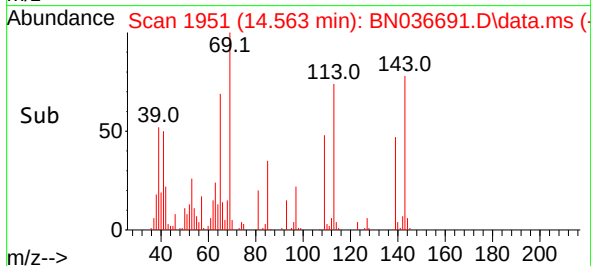
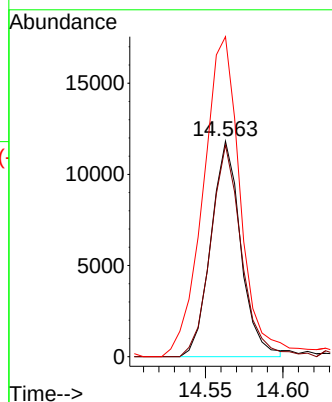
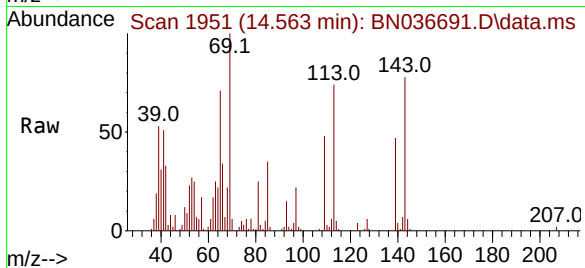
Tgt Ion:109 Resp: 15816

Ion Ratio Lower Upper

109 100

139 98.2 85.9 128.9

65 148.4 118.6 178.0



#56

Dibenzofuran

Concen: 4.727 ng/ul

RT: 14.745 min Scan# 1982

Delta R.T. -0.000 min

Lab File: BN036691.D

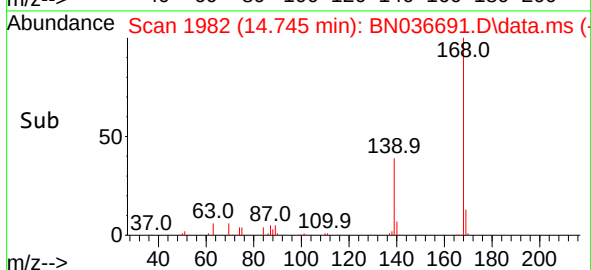
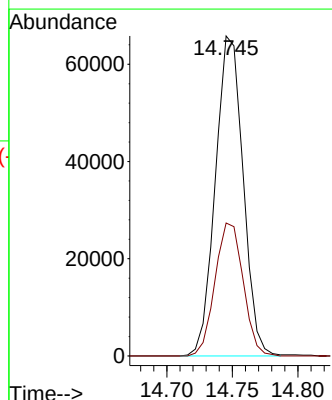
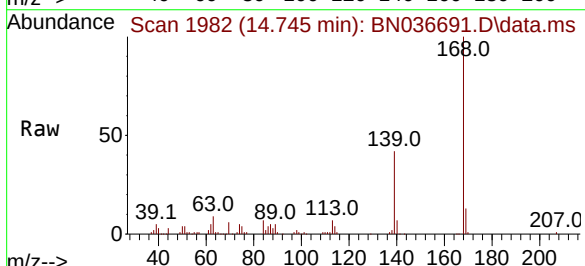
Acq: 20 Mar 2025 11:24

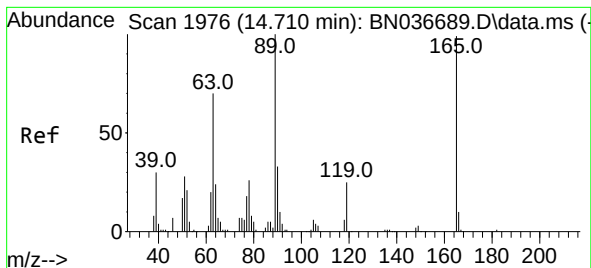
Tgt Ion:168 Resp: 96734

Ion Ratio Lower Upper

168 100

139 41.6 33.0 49.6

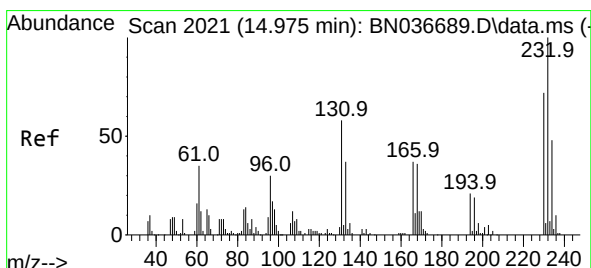
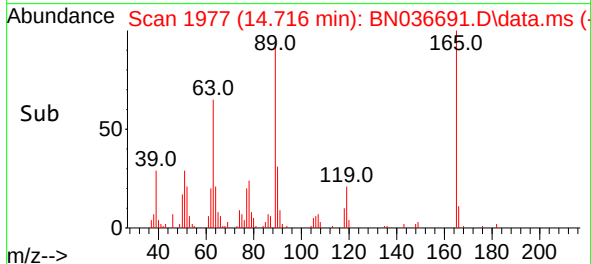
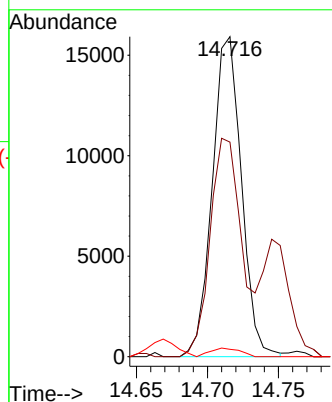
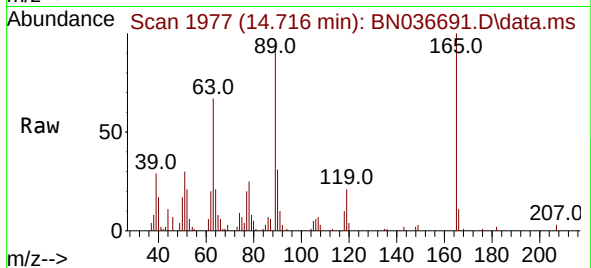




#57  
2,4-Dinitrotoluene  
Concen: 4.424 ng/ul  
RT: 14.716 min Scan# 1976  
Delta R.T. 0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

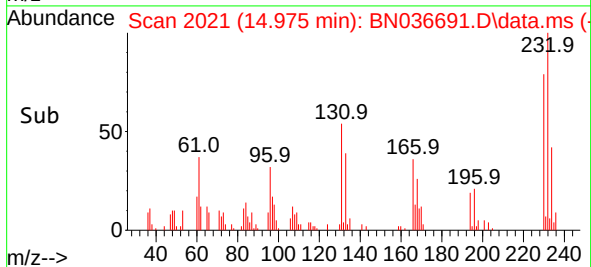
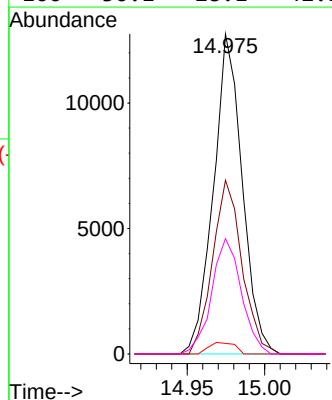
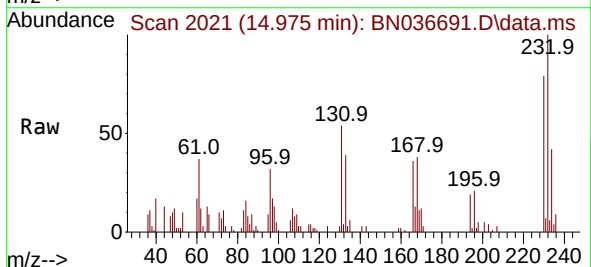
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

Tgt Ion:165 Resp: 22723  
Ion Ratio Lower Upper  
165 100  
63 67.0 47.5 71.3  
182 2.3 2.3 3.5#

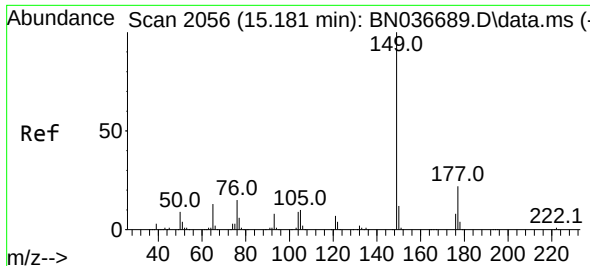


#58  
2,3,4,6-Tetrachlorophenol  
Concen: 4.303 ng/ul  
RT: 14.975 min Scan# 2021  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:232 Resp: 16470  
Ion Ratio Lower Upper  
232 100  
131 54.3 43.4 65.2  
130 3.3 2.5 3.7  
166 36.1 28.1 42.1



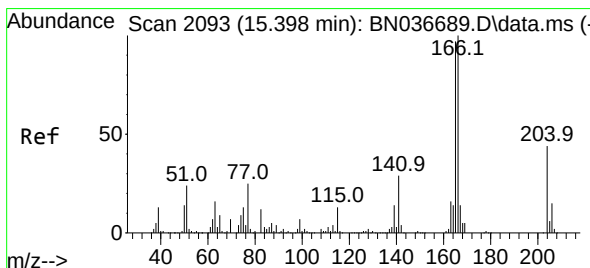
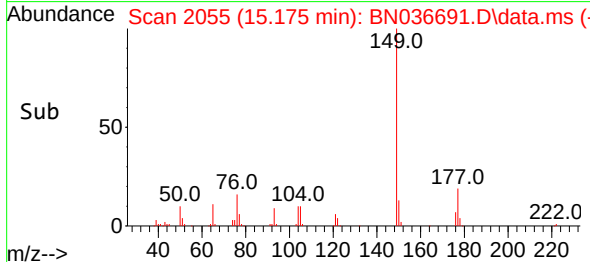
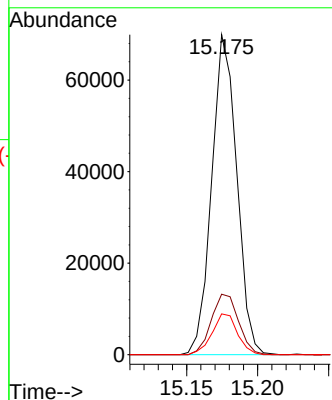
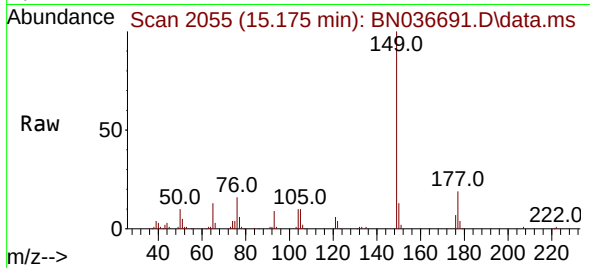




#59  
Diethylphthalate  
Concen: 4.807 ng/ul  
RT: 15.175 min Scan# 2055  
Delta R.T. -0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

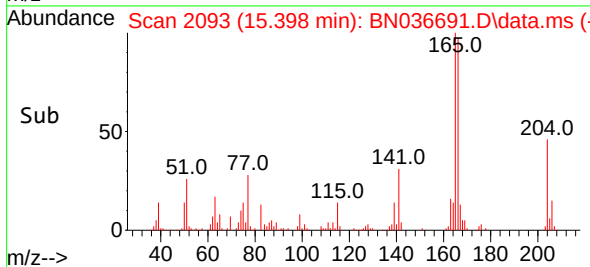
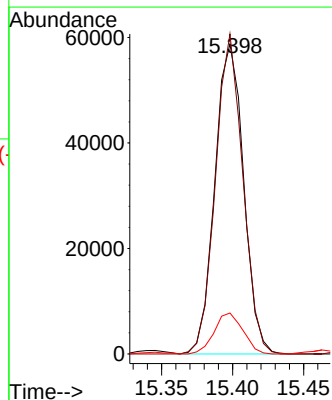
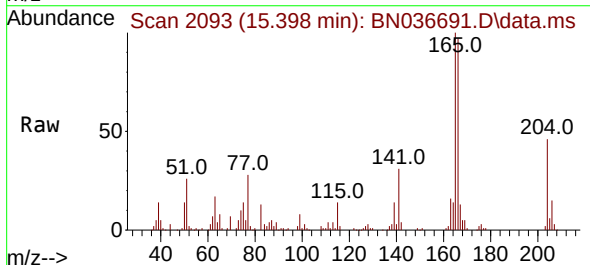
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

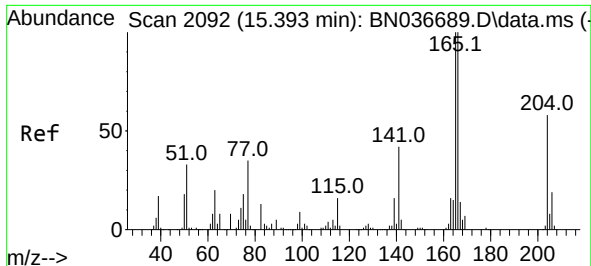
Tgt Ion:149 Resp: 85799  
Ion Ratio Lower Upper  
149 100  
177 18.9 16.7 25.1  
150 12.8 9.5 14.3



#61  
Fluorene  
Concen: 4.890 ng/ul  
RT: 15.398 min Scan# 2093  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:166 Resp: 82714  
Ion Ratio Lower Upper  
166 100  
165 103.2 80.2 120.2  
167 13.2 10.6 16.0

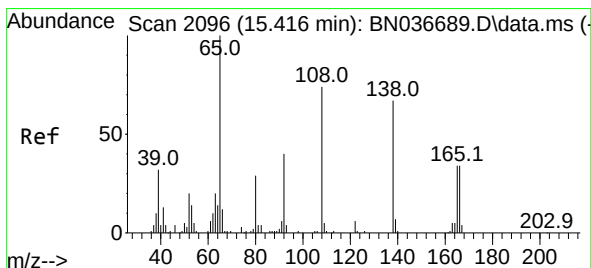
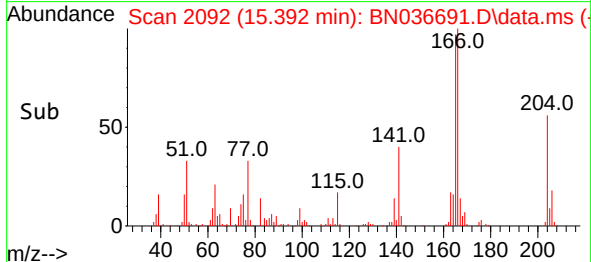
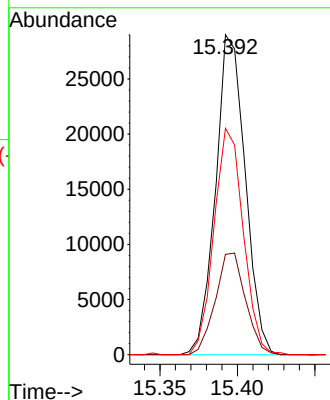
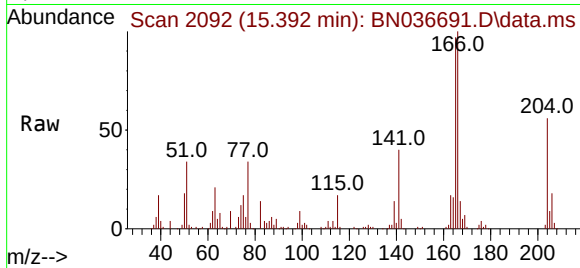




#62  
4-Chlorophenyl-phenylether  
Concen: 4.792 ng/ul  
RT: 15.392 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

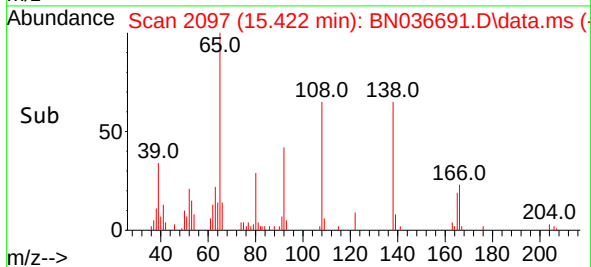
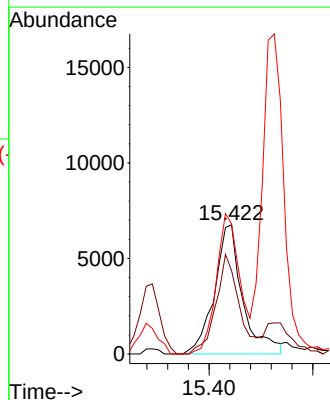
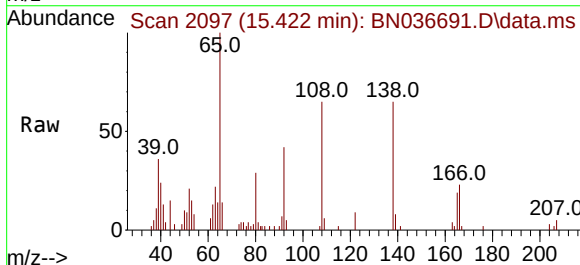
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

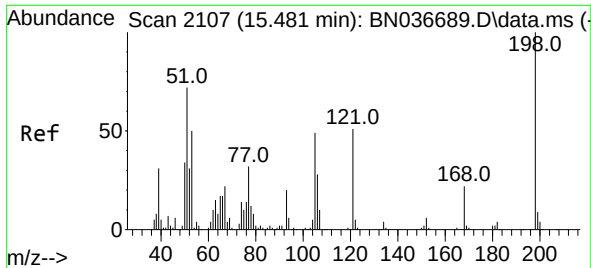
Tgt Ion:204 Resp: 38657  
Ion Ratio Lower Upper  
204 100  
206 31.3 26.6 39.8  
141 70.7 53.9 80.9



#63  
4-Nitroaniline  
Concen: 3.591 ng/ul m  
RT: 15.422 min Scan# 2097  
Delta R.T. 0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:138 Resp: 12799  
Ion Ratio Lower Upper  
138 100  
92 64.5 50.2 75.2  
108 100.6 78.4 117.6

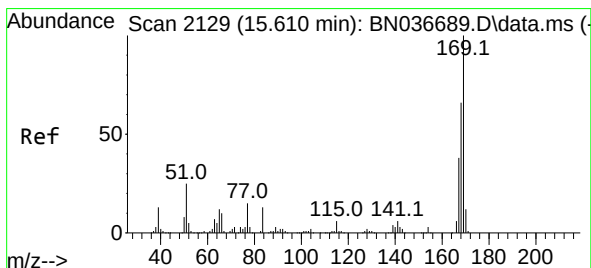
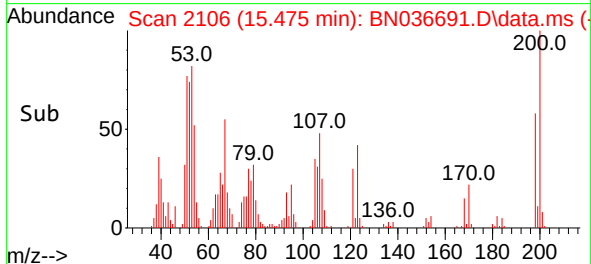
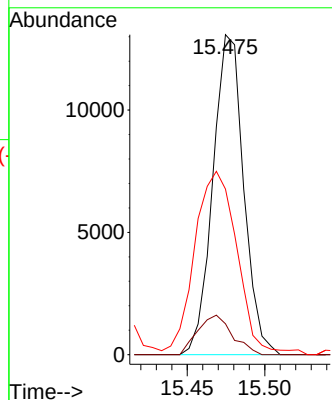
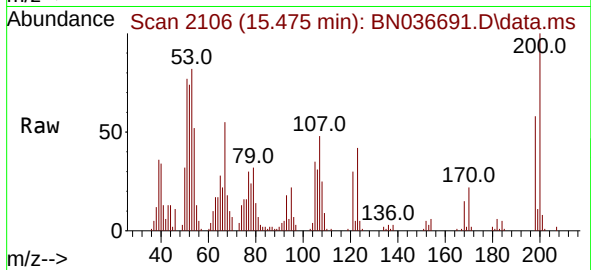




#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.045 ng/ul  
 RT: 15.475 min Scan# 2106  
 Delta R.T. -0.006 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

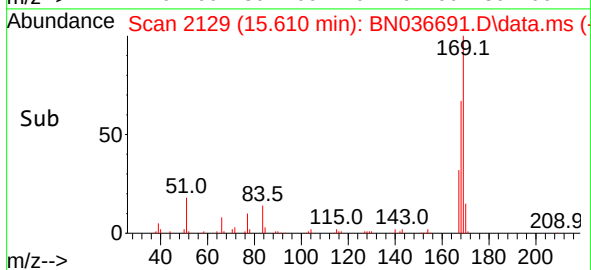
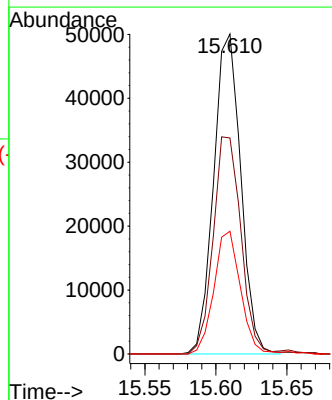
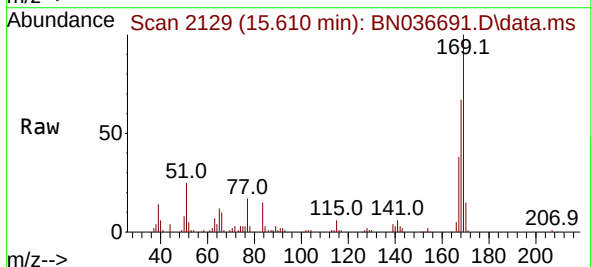
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-01

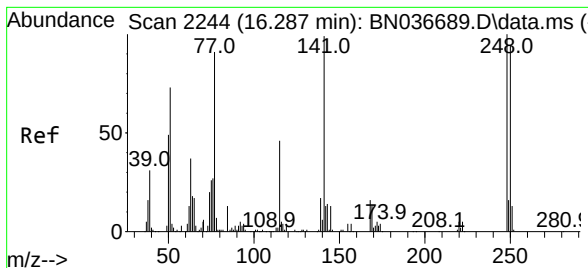
Tgt Ion:198 Resp: 18092  
 Ion Ratio Lower Upper  
 198 100  
 182 9.6 3.5 5.3#  
 77 51.7 27.2 40.8#



#67  
 N-Nitrosodiphenylamine  
 Concen: 4.473 ng/ul  
 RT: 15.610 min Scan# 2129  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

Tgt Ion:169 Resp: 66609  
 Ion Ratio Lower Upper  
 169 100  
 168 67.5 53.2 79.8  
 167 38.4 28.2 42.2

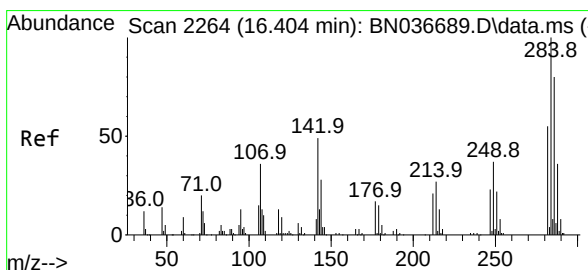
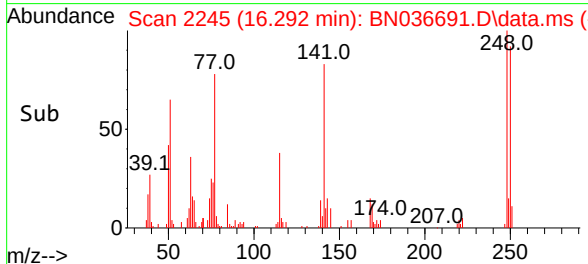
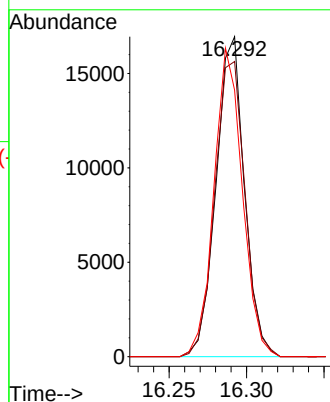
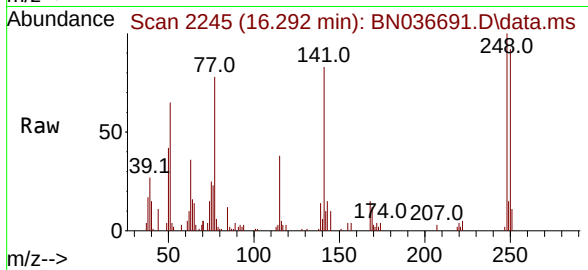




#68  
4-Bromophenyl-phenylether  
Concen: 4.570 ng/ul  
RT: 16.292 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

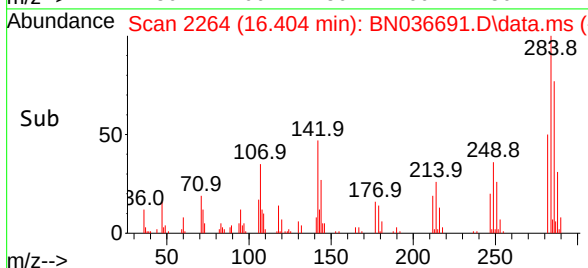
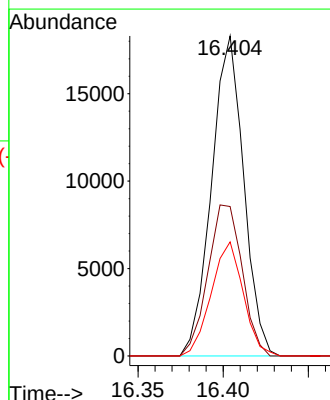
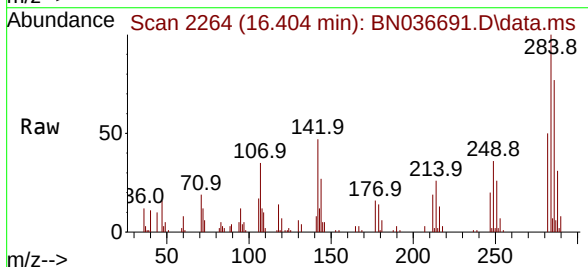
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

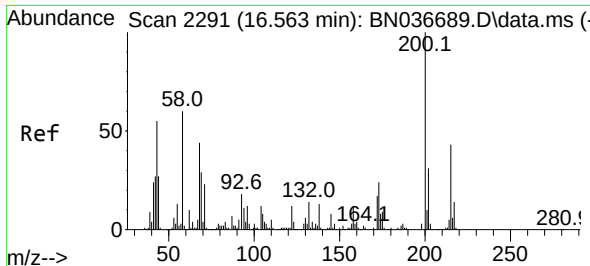
Tgt Ion:248 Resp: 21600  
Ion Ratio Lower Upper  
248 100  
250 92.3 76.1 114.1  
141 83.3 71.8 107.8



#69  
Hexachlorobenzene  
Concen: 4.562 ng/ul  
RT: 16.404 min Scan# 2264  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:284 Resp: 24022  
Ion Ratio Lower Upper  
284 100  
142 46.7 37.4 56.2  
249 35.7 27.4 41.2

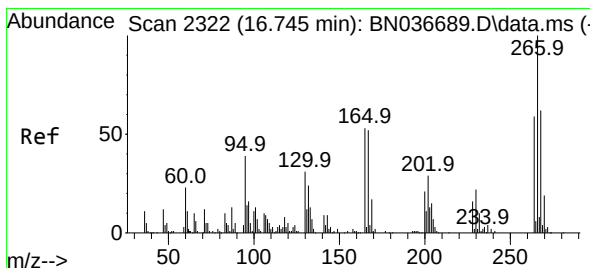
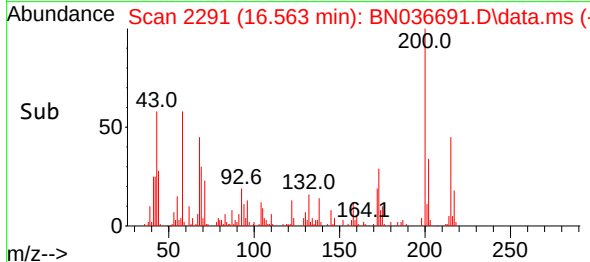
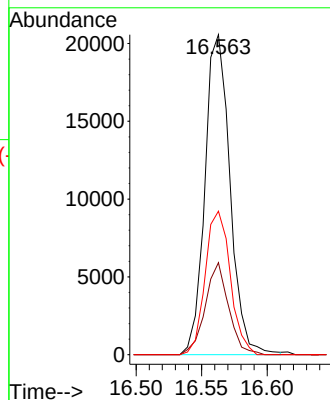
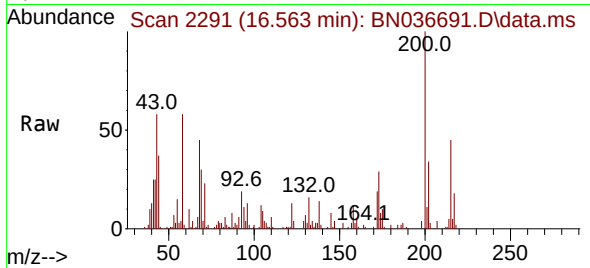




#70  
 Atrazine  
 Concen: 4.955 ng/ul  
 RT: 16.563 min Scan# 2291  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

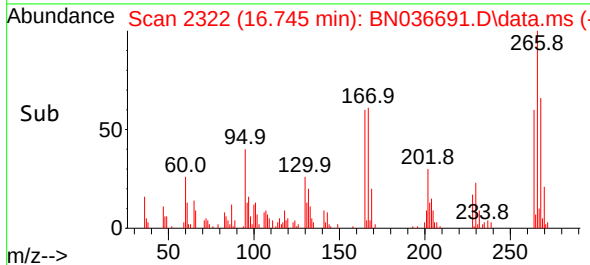
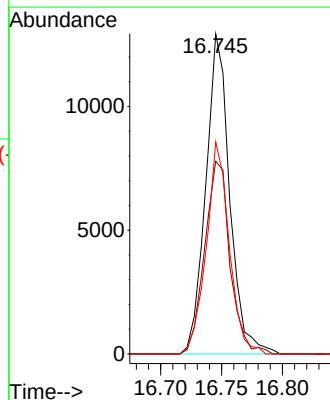
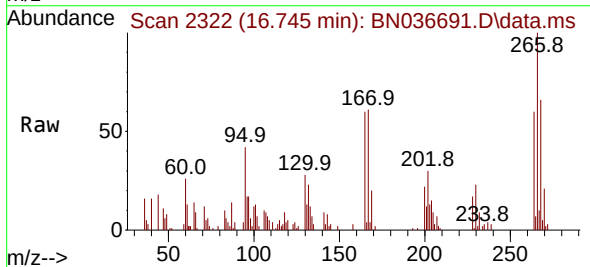
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-01

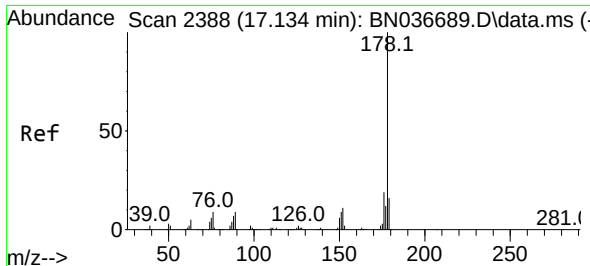
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.7  | 23.0  | 34.4  |
| 215     | 44.8  | 39.6  | 59.4  |



#71  
 Pentachlorophenol  
 Concen: 4.860 ng/ul  
 RT: 16.745 min Scan# 2322  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.2  | 51.7  | 77.5  |
| 268     | 66.3  | 50.1  | 75.1  |

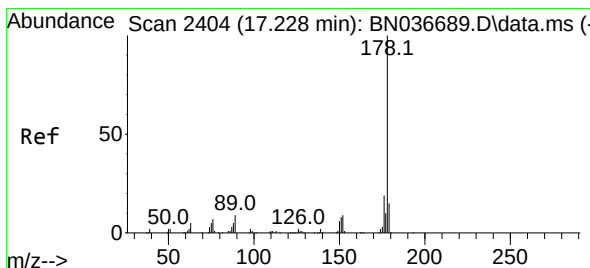
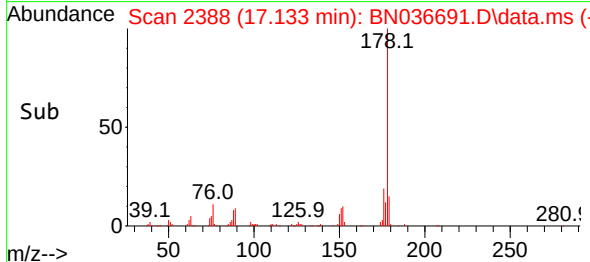
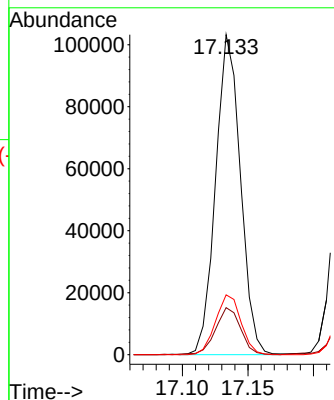
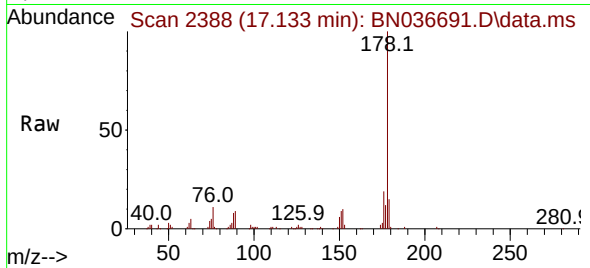




#72  
Phenanthrene  
Concen: 4.807 ng/ul  
RT: 17.133 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

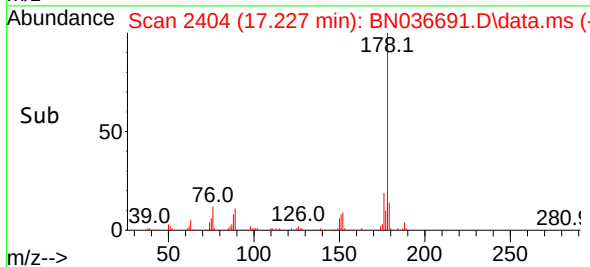
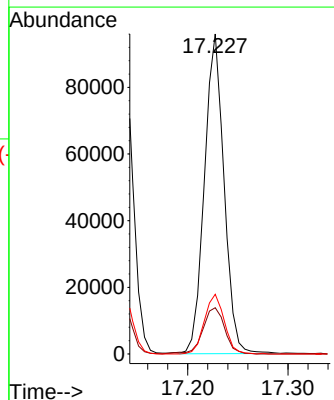
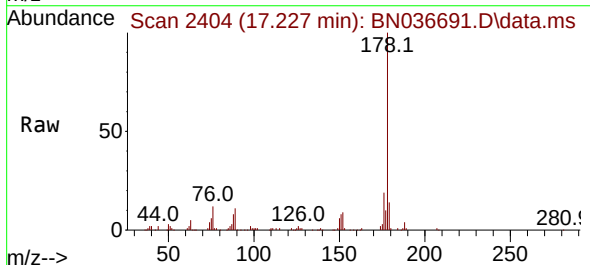
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

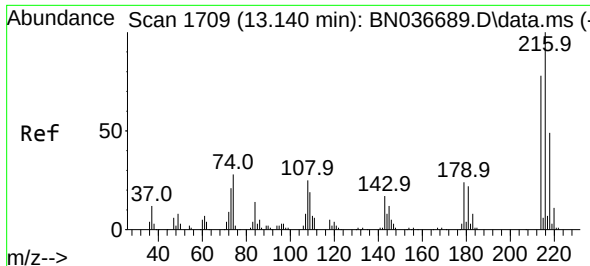
Tgt Ion:178 Resp: 135731  
Ion Ratio Lower Upper  
178 100  
179 14.7 12.6 18.8  
176 18.7 15.2 22.8



#74  
Anthracene  
Concen: 4.544 ng/ul  
RT: 17.227 min Scan# 2404  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:178 Resp: 130626  
Ion Ratio Lower Upper  
178 100  
179 14.5 12.4 18.6  
176 18.7 15.0 22.6

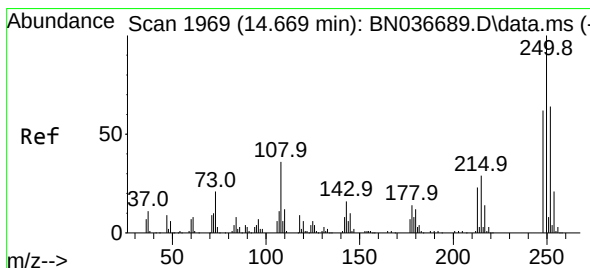
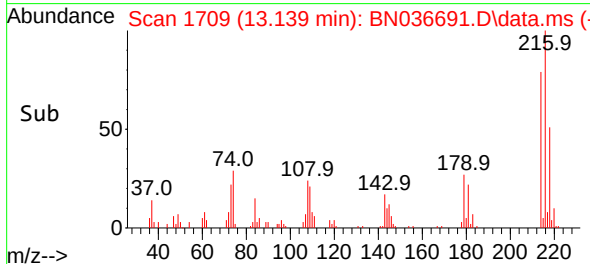
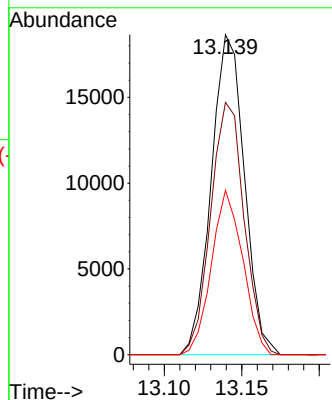
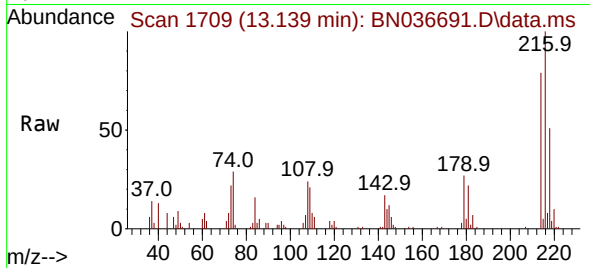




#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.163 ng/uL  
RT: 13.139 min Scan# 1709  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

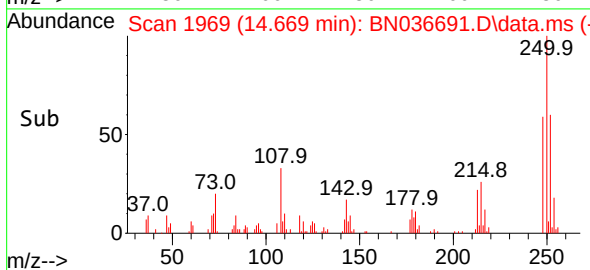
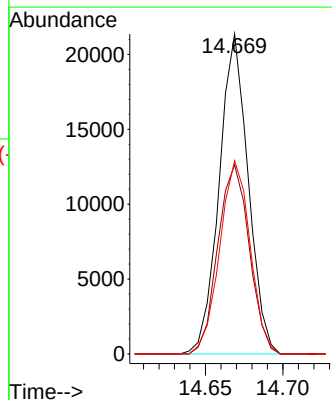
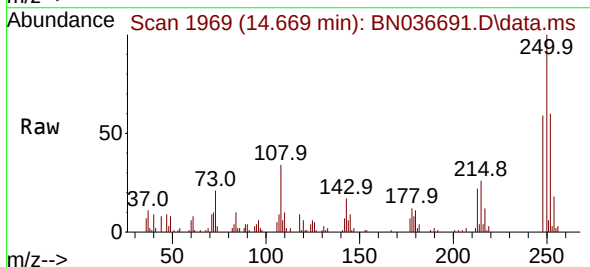
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

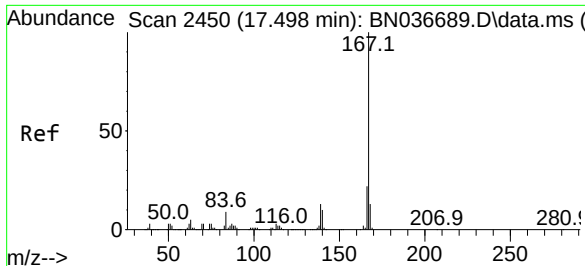
Tgt Ion:216 Resp: 27770  
Ion Ratio Lower Upper  
216 100  
214 78.8 59.9 89.9  
218 51.4 35.8 53.8



#76  
Pentachlorobenzene  
Concen: 4.139 ng/uL  
RT: 14.669 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:250 Resp: 27801  
Ion Ratio Lower Upper  
250 100  
248 59.1 46.3 69.5  
252 60.4 50.2 75.4

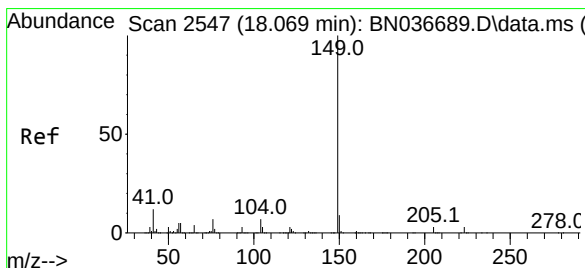
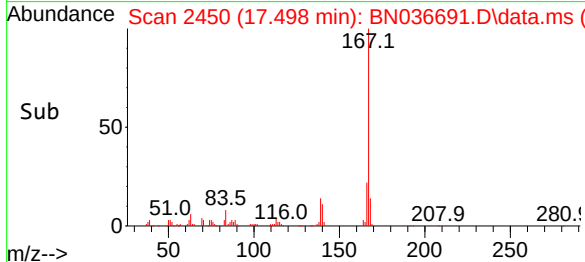
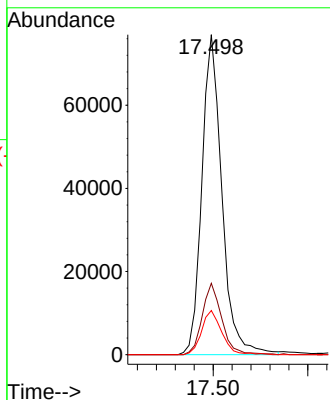
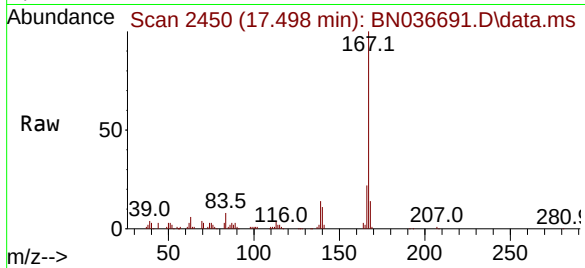




#77  
 Carbazole  
 Concen: 4.372 ng/ul  
 RT: 17.498 min Scan# 2450  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

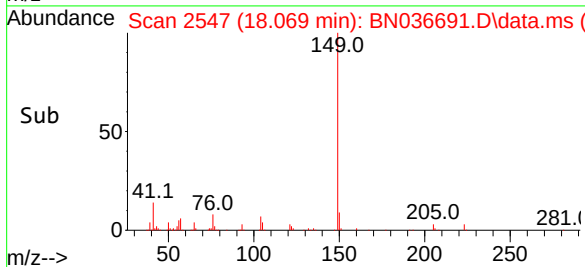
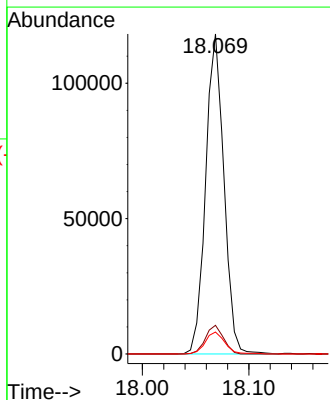
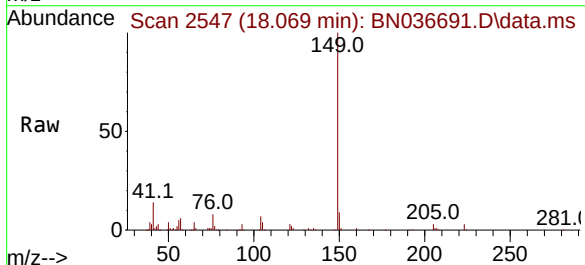
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT1-2025-01

Tgt Ion:167 Resp: 112947  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.0 27.0  
 139 13.8 11.1 16.7

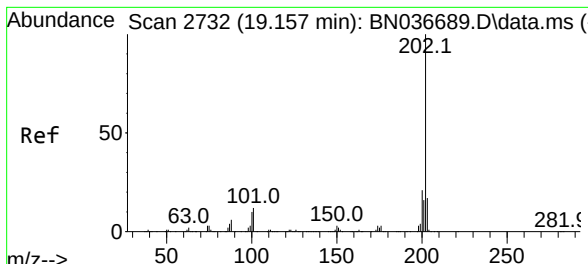


#78  
 Di-n-butylphthalate  
 Concen: 4.373 ng/ul  
 RT: 18.069 min Scan# 2547  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

Tgt Ion:149 Resp: 140514  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.4 11.2  
 104 6.9 5.1 7.7



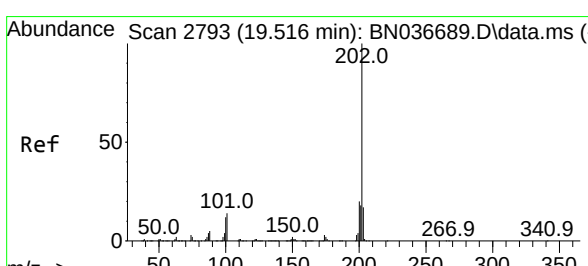
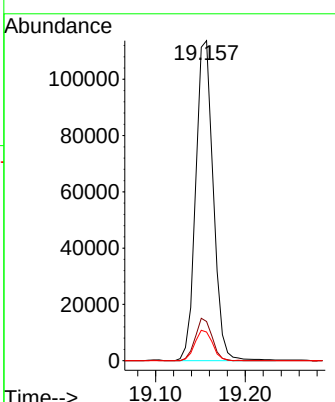
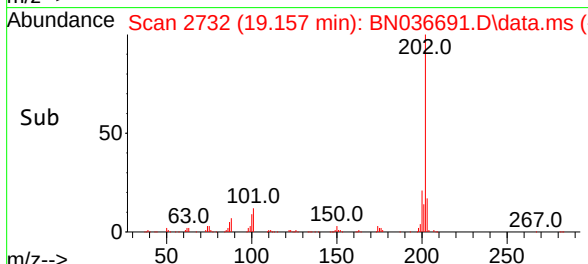
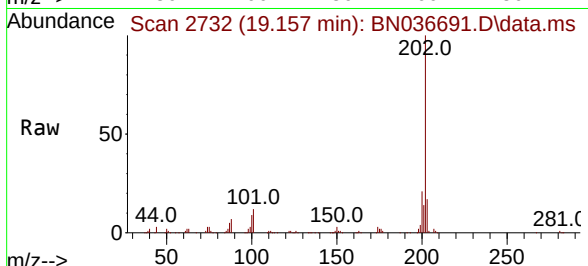




#80  
 Fluoranthene  
 Concen: 4.940 ng/ul  
 RT: 19.157 min Scan# 2732  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

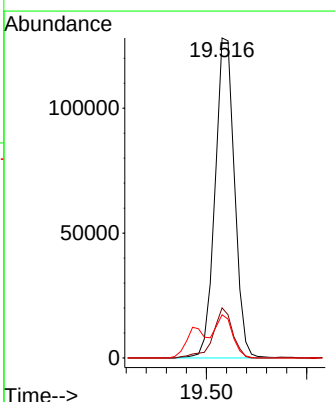
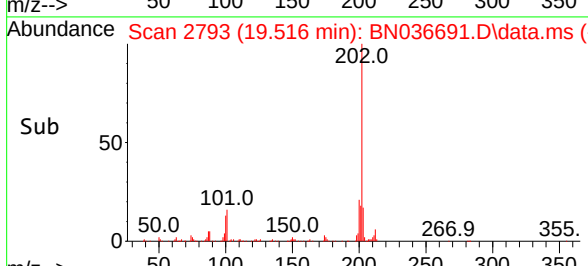
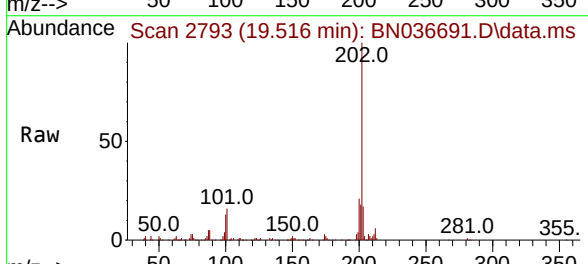
Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT1-2025-01

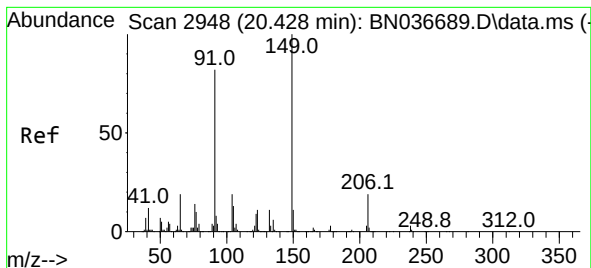
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 154120 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.3  | 10.2  | 15.2   |
| 100       | 9.0   | 7.8   | 11.8   |



#82  
 Pyrene  
 Concen: 5.051 ng/ul  
 RT: 19.516 min Scan# 2793  
 Delta R.T. -0.000 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 171545 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 15.6  | 12.2  | 18.2   |
| 100       | 13.5  | 10.9  | 16.3   |





#83

Butylbenzylphthalate

Concen: 4.392 ng/ul

RT: 20.427 min Scan# 2948

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

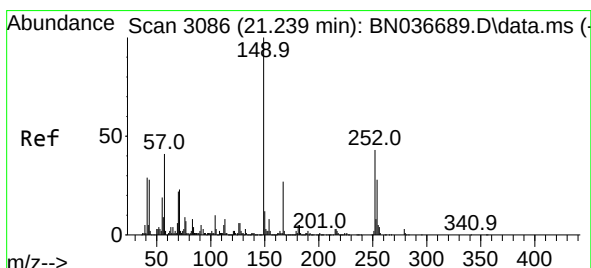
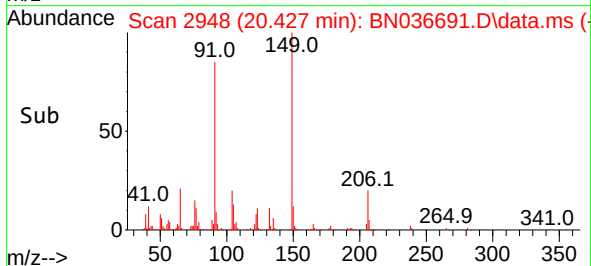
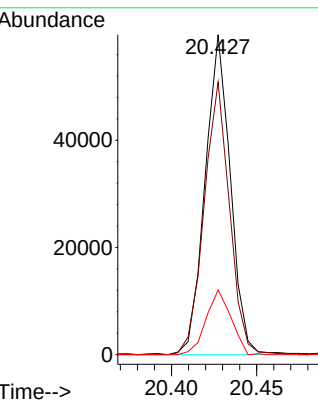
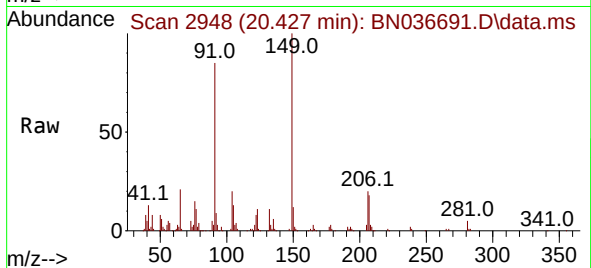
Tgt Ion:149 Resp: 61518

Ion Ratio Lower Upper

149 100

91 85.2 68.8 103.2

206 20.2 15.3 22.9



#84

3,3'-Dichlorobenzidine

Concen: 4.448 ng/ul

RT: 21.245 min Scan# 3087

Delta R.T. 0.006 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

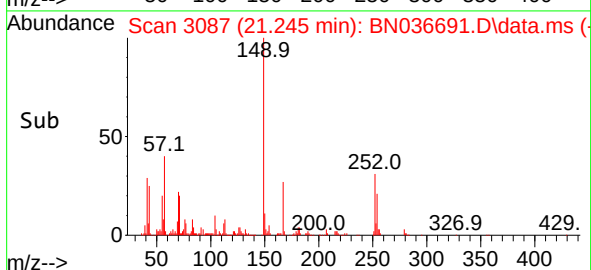
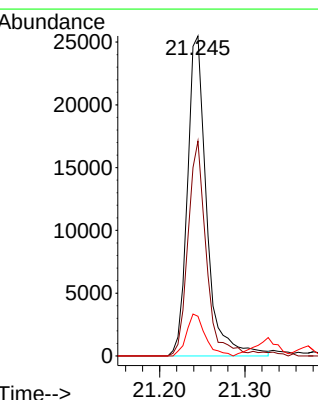
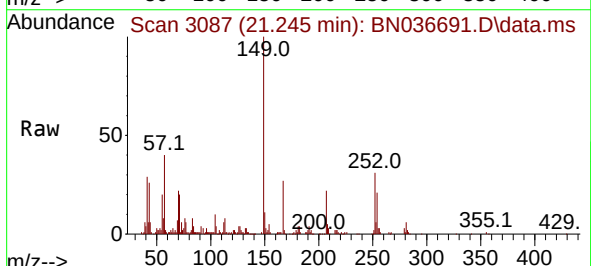
Tgt Ion:252 Resp: 39957

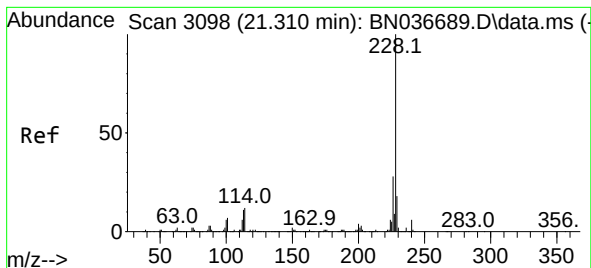
Ion Ratio Lower Upper

252 100

254 67.2 52.2 78.4

126 12.4 10.8 16.2





#85

Benzo(a)anthracene

Concen: 4.834 ng/ul

RT: 21.316 min Scan# 3098

Delta R.T. 0.006 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

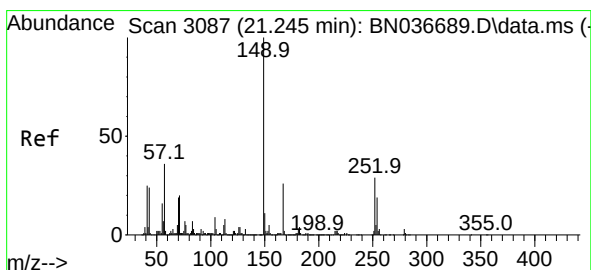
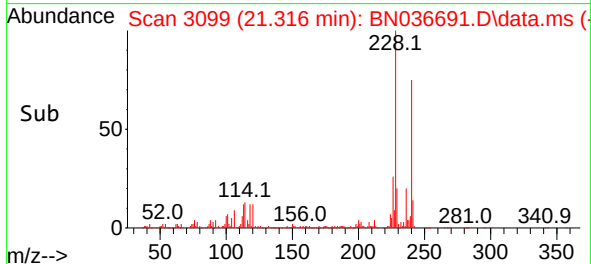
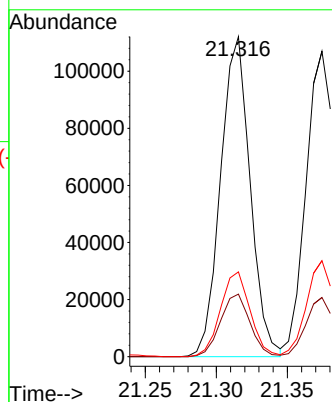
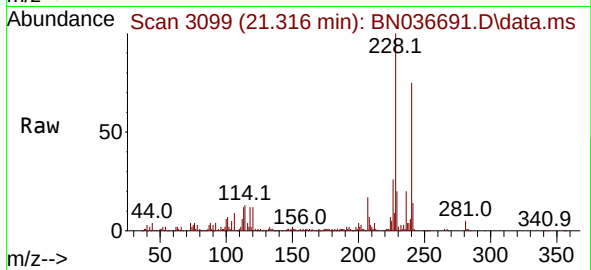
Tgt Ion:228 Resp: 162527

Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

226 26.5 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.469 ng/ul

RT: 21.245 min Scan# 3087

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

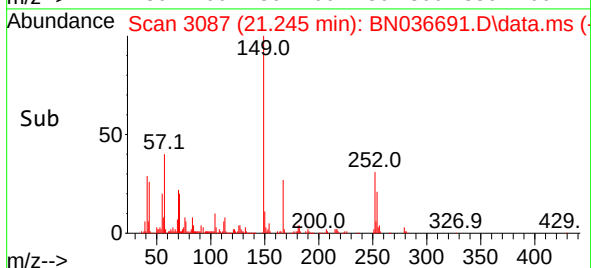
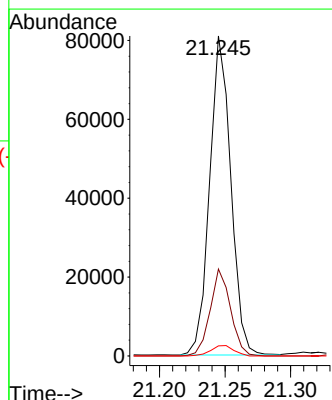
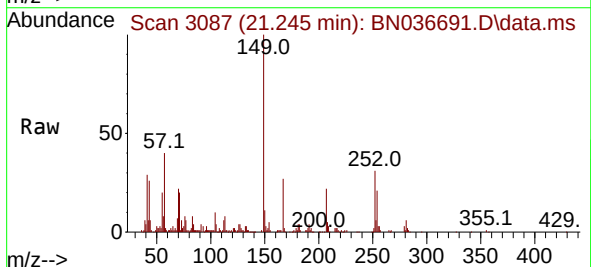
Tgt Ion:149 Resp: 90936

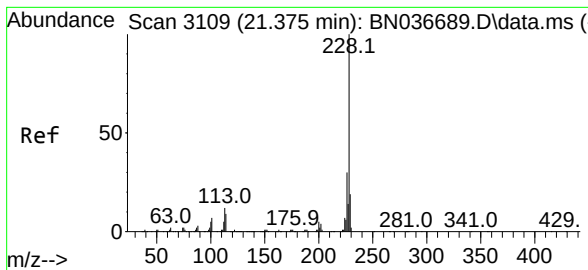
Ion Ratio Lower Upper

149 100

167 27.2 21.1 31.7

279 3.1 2.8 4.2





#87

Chrysene

Concen: 4.836 ng/ul

RT: 21.374 min Scan# 3109

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

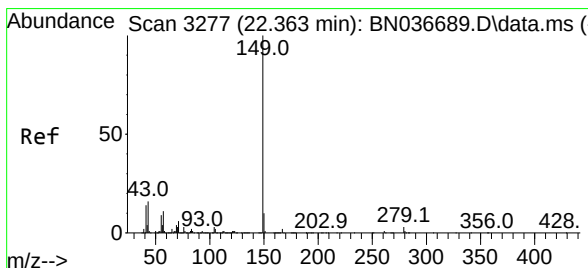
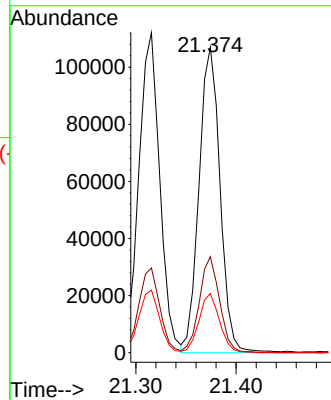
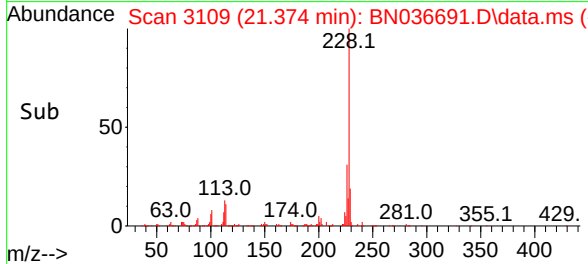
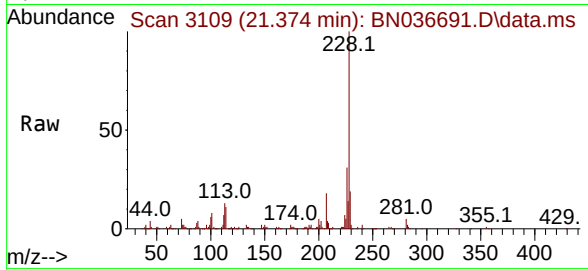
Tgt Ion:228 Resp: 156500

Ion Ratio Lower Upper

228 100

226 31.4 25.7 38.5

229 19.4 15.4 23.0



#89

Di-n-octyl phthalate

Concen: 4.070 ng/ul

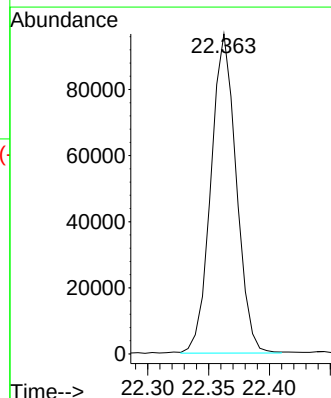
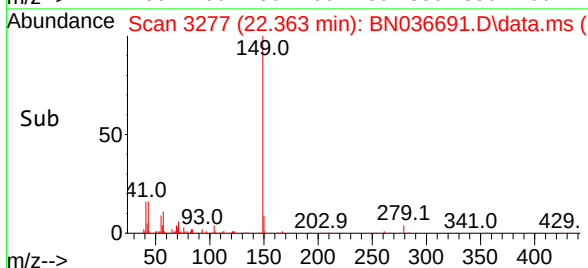
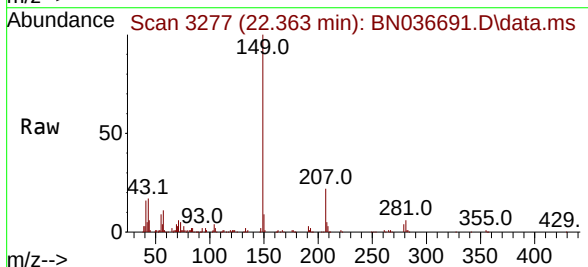
RT: 22.363 min Scan# 3277

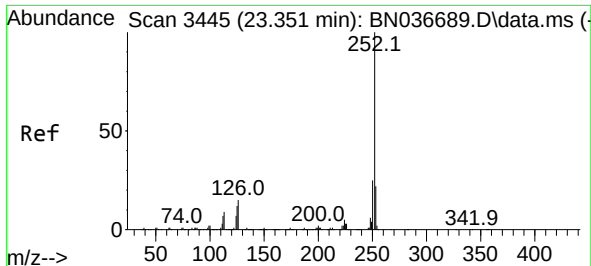
Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Tgt Ion:149 Resp: 140123

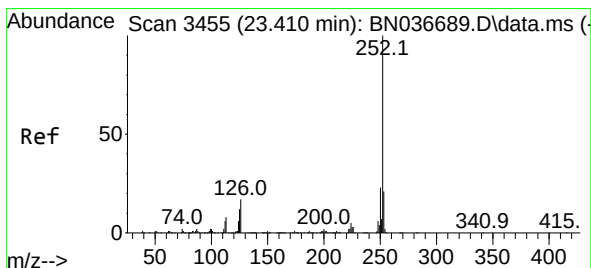
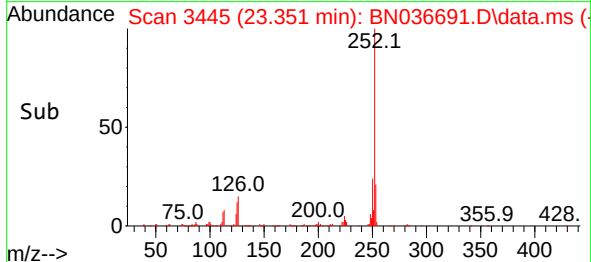
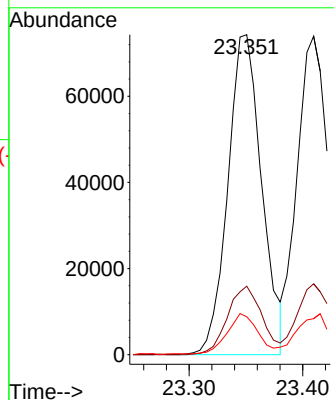
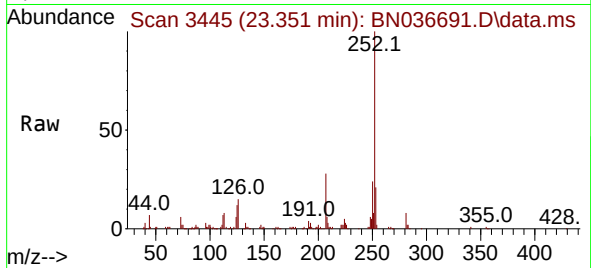




#90  
Benzo(b)fluoranthene  
Concen: 4.900 ng/ul  
RT: 23.351 min Scan# 3445  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

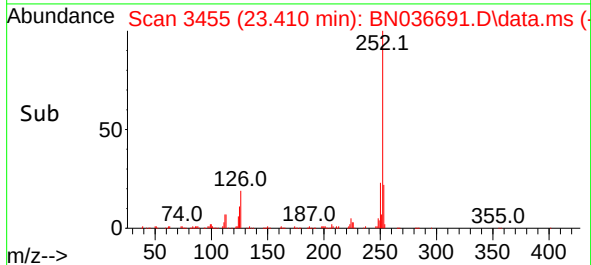
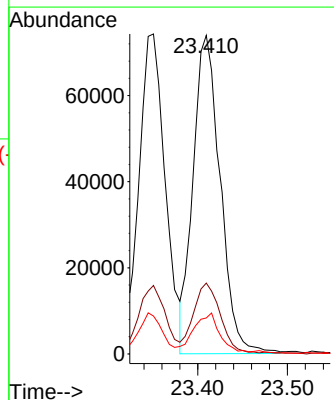
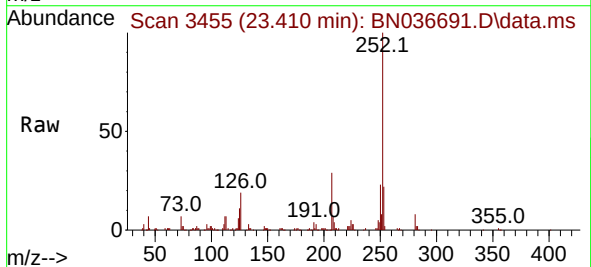
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT1-2025-01

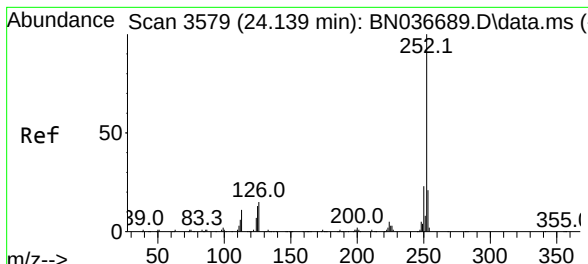
Tgt Ion:252 Resp: 153747  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.0 25.6  
125 11.9 9.8 14.6



#91  
Benzo(k)fluoranthene  
Concen: 4.901 ng/ul  
RT: 23.410 min Scan# 3455  
Delta R.T. -0.000 min  
Lab File: BN036691.D  
Acq: 20 Mar 2025 11:24

Tgt Ion:252 Resp: 155184  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.2 27.2  
125 11.3 9.6 14.4

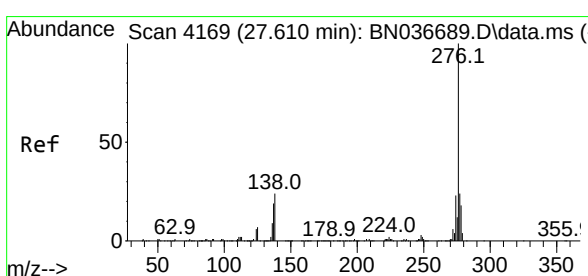
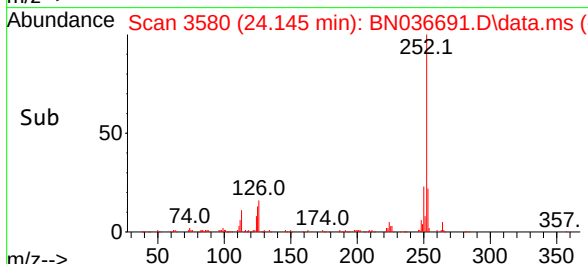
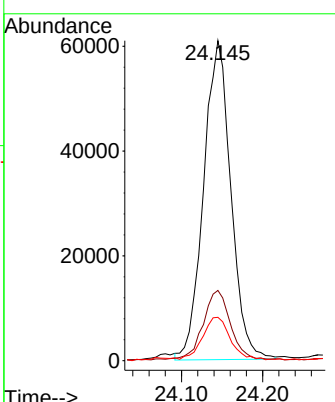
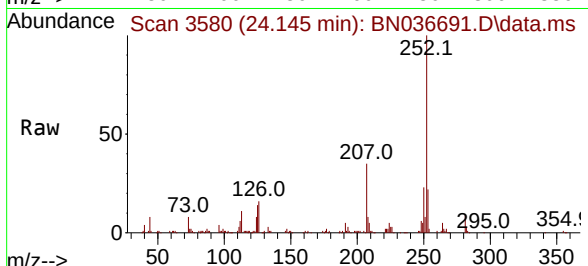




#93  
 Benzo(a)pyrene  
 Concen: 4.745 ng/ul  
 RT: 24.145 min Scan# 3579  
 Delta R.T. 0.006 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

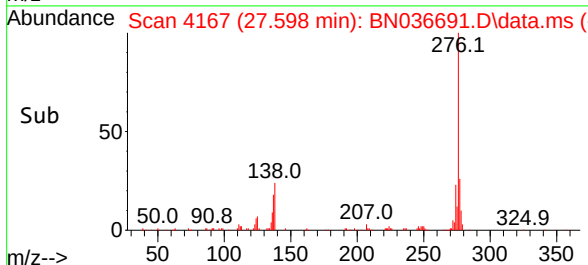
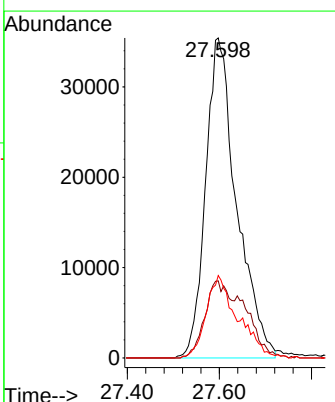
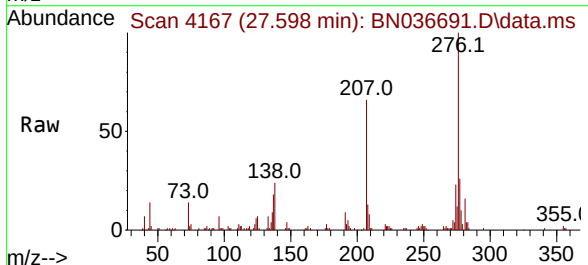
Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT1-2025-01

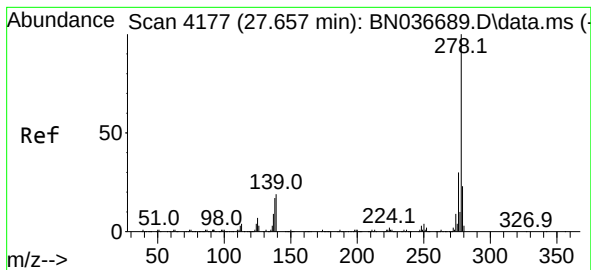
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 142116 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 16.6  | 24.8   |
| 125       | 13.6  | 10.1  | 15.1   |



#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.530 ng/ul  
 RT: 27.598 min Scan# 4167  
 Delta R.T. -0.012 min  
 Lab File: BN036691.D  
 Acq: 20 Mar 2025 11:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 165667 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 24.1  | 20.6  | 30.8   |
| 277       | 25.7  | 18.8  | 28.2   |





#95

Dibenzo(a,h)anthracene

Concen: 4.641 ng/ul

RT: 27.650 min Scan# 4177

Delta R.T. -0.006 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT1-2025-01

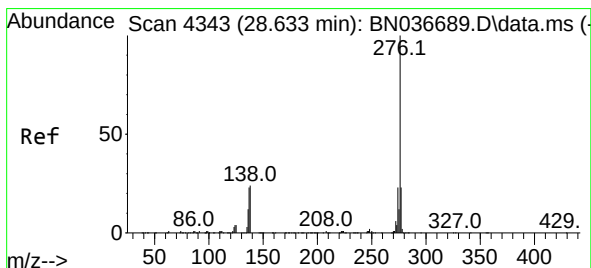
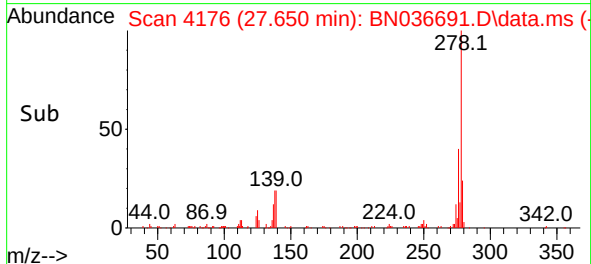
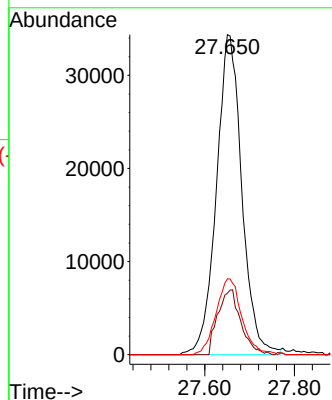
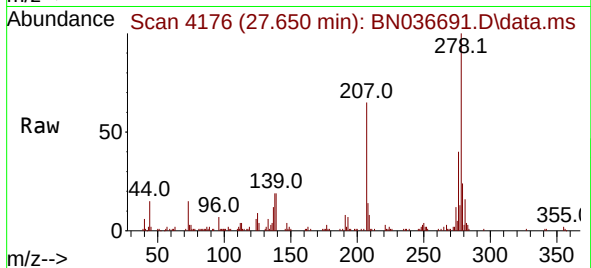
Tgt Ion:278 Resp: 135294

Ion Ratio Lower Upper

278 100

139 19.2 15.4 23.0

279 23.7 20.1 30.1



#96

Benzo(g,h,i)perylene

Concen: 4.606 ng/ul

RT: 28.633 min Scan# 4343

Delta R.T. -0.000 min

Lab File: BN036691.D

Acq: 20 Mar 2025 11:24

Tgt Ion:276 Resp: 131153

Ion Ratio Lower Upper

276 100

138 24.1 19.8 29.8

277 23.5 18.6 28.0

