

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013123\  
 Data File : BF132246.D  
 Acq On : 31 Jan 2023 23:57  
 Operator : CG\JU  
 Sample : N3980-03  
 Misc : MDL-MDL-SOIL 8PPM  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

Quant Time: Feb 01 05:59:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 05:24:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.072  | 152  | 168947   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.354  | 136  | 630361   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.119 | 164  | 321784   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 590618   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.277 | 240  | 415654   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 15.865 | 264  | 398859   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.684  | 112  | 1195829  | 113.774 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.684  | 99   | 1471391  | 113.550 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.631  | 82   | 887496   | 78.347  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.913 | 330  | 410256   | 123.978 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.436  | 172  | 1531257  | 73.485  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.213 | 244  | 1610615  | 74.956  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.966  | 88   | 43938    | 8.884   | ng    | 100      |
| 3) Pyridine                   | 3.760  | 79   | 104544   | 7.792   | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.678  | 42   | 35281    | 8.218   | ng    | 100      |
| 6) Aniline                    | 6.731  | 93   | 153556   | 8.733   | ng    | 99       |
| 8) 2-Chlorophenol             | 6.848  | 128  | 104792   | 9.626   | ng    | 93       |
| 9) Benzaldehyde               | 6.619  | 77   | 85274    | 9.192   | ng    | 97       |
| 10) Phenol                    | 6.695  | 94   | 121668   | 9.071   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.795  | 93   | 102709   | 9.305   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.007  | 146  | 113359   | 9.846   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.084  | 146  | 116757   | 10.159  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.242  | 146  | 109203   | 10.189  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.195  | 79   | 80569    | 8.521   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.336  | 45   | 111745   | 9.609   | ng    | 99       |
| 17) 2-Methylphenol            | 7.301  | 107  | 83069    | 8.717   | ng    | 96       |
| 18) Hexachloroethane          | 7.583  | 117  | 41648    | 9.660   | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.466  | 70   | 70448    | 9.571   | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.454  | 107  | 110881   | 9.117   | ng    | 99       |
| 22) Acetophenone              | 7.472  | 105  | 149830   | 10.107  | ng    | # 97     |
| 24) Nitrobenzene              | 7.648  | 77   | 106809   | 9.229   | ng    | 99       |
| 25) Isophorone                | 7.878  | 82   | 197318   | 9.177   | ng    | 97       |
| 26) 2-Nitrophenol             | 7.966  | 139  | 52347    | 9.286   | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.989  | 122  | 85827    | 8.699   | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.089  | 93   | 126994   | 9.612   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.201  | 162  | 82863    | 9.459   | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.289  | 180  | 91749    | 9.781   | ng    | 98       |
| 31) Naphthalene               | 8.378  | 128  | 305577   | 9.848   | ng    | 99       |
| 32) Benzoic acid              | 8.036  | 122  | 45694    | 6.257   | ng    | 95       |
| 33) 4-Chloroaniline           | 8.419  | 127  | 127990   | 9.302   | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.489  | 225  | 51951    | 9.851   | ng    | 99       |
| 35) Caprolactam               | 8.748  | 113  | 27172    | 9.099   | ng    | 93       |
| 36) 4-Chloro-3-methylphenol   | 8.883  | 107  | 87584    | 9.281   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 9.072  | 142  | 203720   | 9.693   | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.172  | 142  | 191905   | 9.825   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.236  | 216  | 88431    | 9.766   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.225  | 237  | 49544    | 9.378   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.342  | 196  | 58678    | 9.065   | ng    | 98       |

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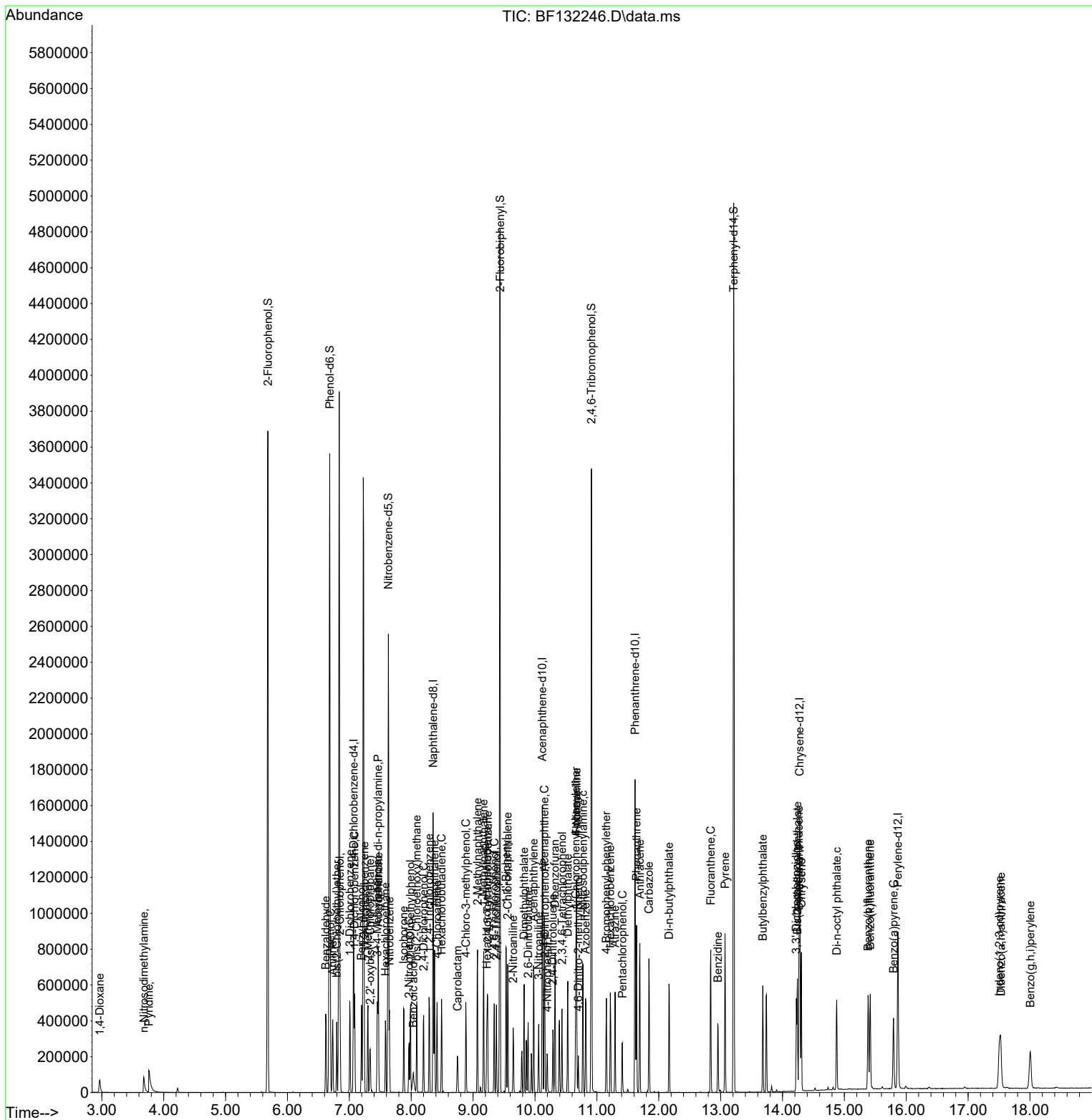
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

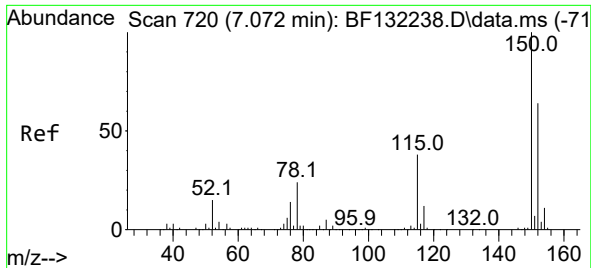
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 QLast Update : Wed Feb 01 05:24:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.377  | 196  | 63520    | 8.526  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.536  | 154  | 252340   | 10.172 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.560  | 162  | 189206   | 10.014 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.648  | 65   | 49494    | 8.808  | ng    | 98       |
| 49) Acenaphthylene            | 9.977  | 152  | 297890   | 9.660  | ng    | 99       |
| 50) Dimethylphthalate         | 9.825  | 163  | 213958   | 9.505  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.889  | 165  | 45551    | 9.061  | ng    | 90       |
| 52) Acenaphthene              | 10.154 | 154  | 182975   | 9.478  | ng    | 99       |
| 53) 3-Nitroaniline            | 10.060 | 138  | 52964    | 8.688  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 10.160 | 184  | 15689    | 9.420  | ng    | # 1      |
| 55) Dibenzofuran              | 10.325 | 168  | 265917   | 9.803  | ng    | 95       |
| 56) 4-Nitrophenol             | 10.201 | 139  | 38909    | 8.481  | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.289 | 165  | 58107    | 8.898  | ng    | 95       |
| 58) Fluorene                  | 10.672 | 166  | 210691   | 10.092 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.436 | 232  | 48449    | 8.920  | ng    | 97       |
| 60) Diethylphthalate          | 10.530 | 149  | 212303   | 9.481  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.660 | 204  | 97735    | 9.865  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.672 | 138  | 49020    | 8.385  | ng    | 98       |
| 63) Azobenzene                | 10.819 | 77   | 201787   | 9.251  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.701 | 198  | 23946    | 7.144  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.777 | 169  | 178344   | 9.643  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.154 | 248  | 57242    | 9.465  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.219 | 284  | 65582    | 10.145 | ng    | 99       |
| 69) Atrazine                  | 11.295 | 200  | 55250    | 10.386 | ng    | 98       |
| 70) Pentachlorophenol         | 11.413 | 266  | 29747    | 6.698  | ng    | 97       |
| 71) Phenanthrene              | 11.642 | 178  | 309186   | 10.018 | ng    | 98       |
| 72) Anthracene                | 11.695 | 178  | 313622   | 9.985  | ng    | 98       |
| 73) Carbazole                 | 11.842 | 167  | 274776   | 9.757  | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.166 | 149  | 316994   | 9.521  | ng    | 98       |
| 75) Fluoranthene              | 12.842 | 202  | 304142   | 9.657  | ng    | 99       |
| 77) Benzidine                 | 12.960 | 184  | 151291   | 10.411 | ng    | 99       |
| 78) Pyrene                    | 13.071 | 202  | 316353   | 9.463  | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.683 | 149  | 121608   | 8.233  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.265 | 228  | 266660   | 9.173  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.224 | 252  | 91533    | 9.885  | ng    | 98       |
| 83) Chrysene                  | 14.307 | 228  | 251989   | 9.257  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.242 | 149  | 170491   | 8.540  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.877 | 149  | 265274   | 8.146  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.506 | 276  | 208678   | 7.874  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.383 | 252  | 236741   | 9.338  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.418 | 252  | 234140   | 9.675  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.795 | 252  | 199464   | 8.449  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.530 | 278  | 178945   | 8.398  | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 18.006 | 276  | 177017   | 8.041  | ng    | 98       |

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

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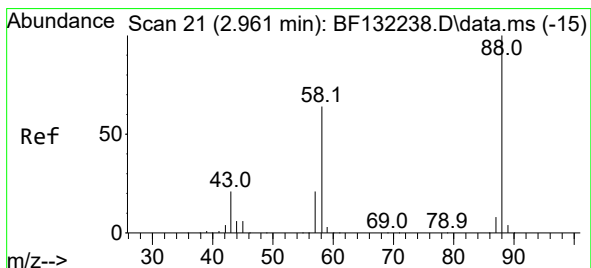
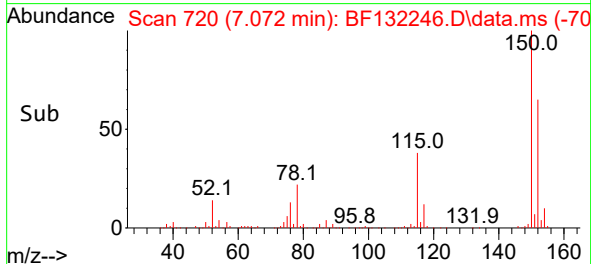
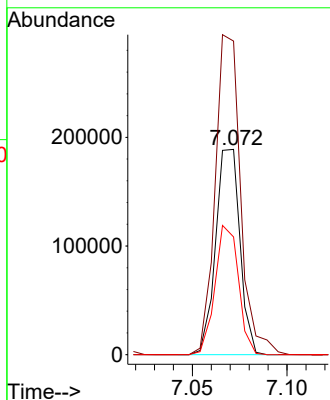
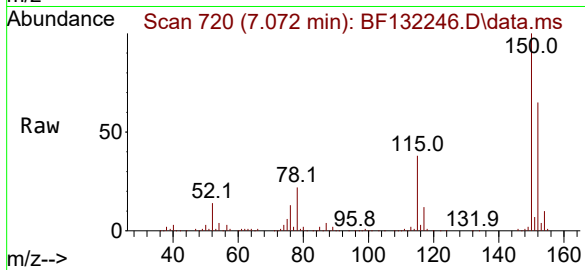




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.072 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

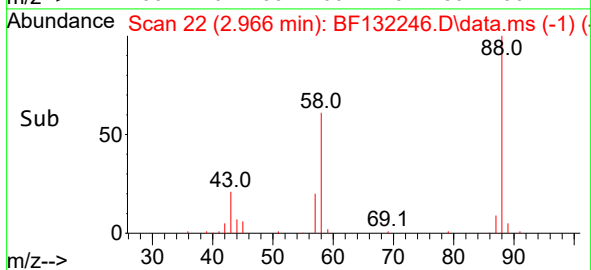
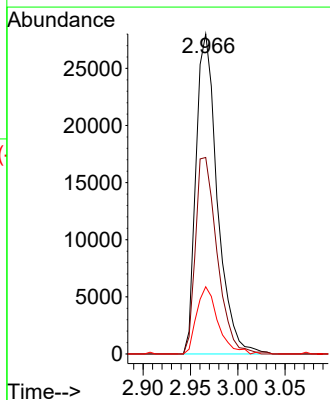
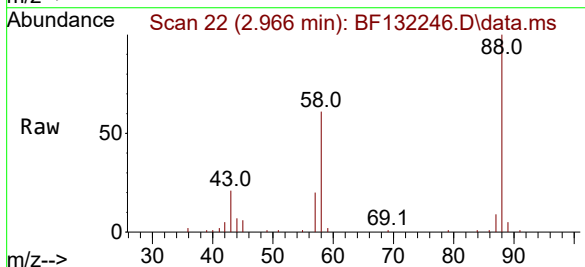
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

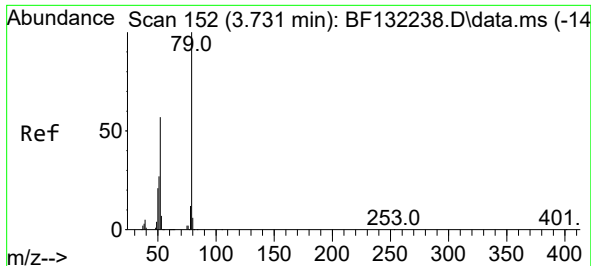
Tgt Ion:152 Resp: 168947  
 Ion Ratio Lower Upper  
 152 100  
 150 152.8 124.2 186.2  
 115 57.4 47.3 70.9



#2  
 1,4-Dioxane  
 Concen: 8.884 ng  
 RT: 2.966 min Scan# 22  
 Delta R.T. 0.006 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

Tgt Ion: 88 Resp: 43938  
 Ion Ratio Lower Upper  
 88 100  
 58 62.4 50.2 75.2  
 43 20.9 16.9 25.3

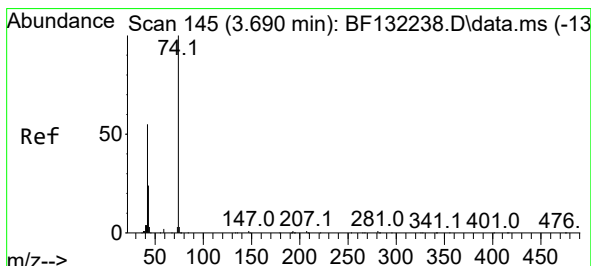
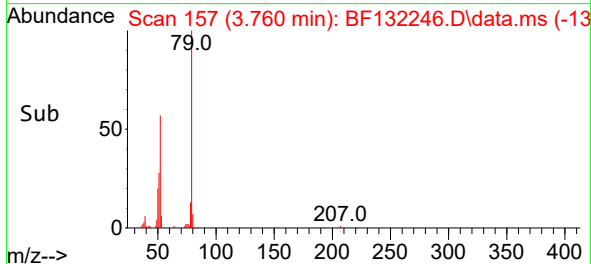
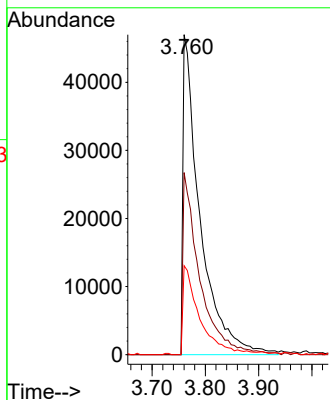
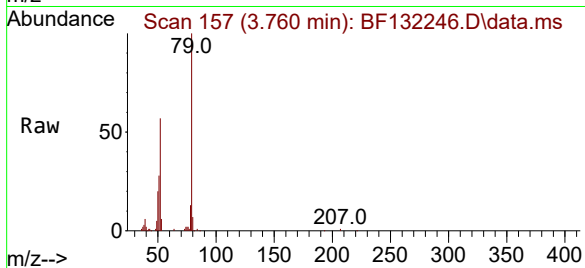




#3  
Pyridine  
Concen: 7.792 ng  
RT: 3.760 min Scan# 11  
Delta R.T. 0.029 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

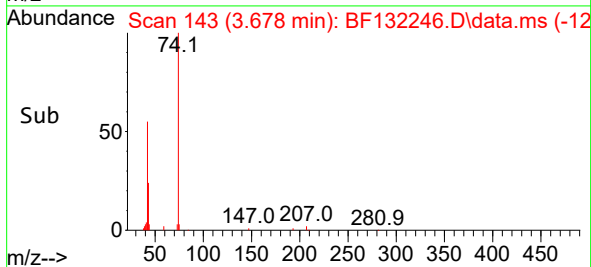
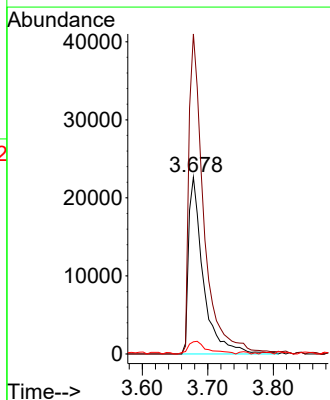
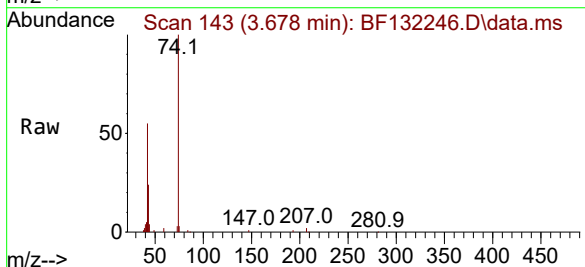
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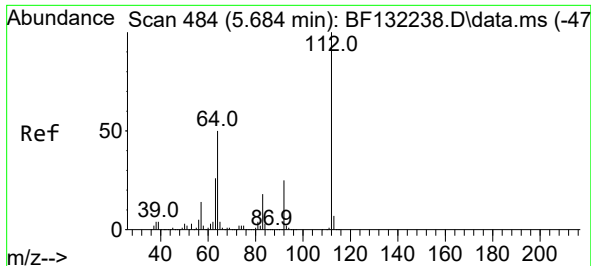
Tgt Ion: 79 Resp: 104544  
Ion Ratio Lower Upper  
79 100  
52 56.9 45.6 68.4  
51 27.8 21.5 32.3



#4  
n-Nitrosodimethylamine  
Concen: 8.218 ng  
RT: 3.678 min Scan# 143  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion: 42 Resp: 35281  
Ion Ratio Lower Upper  
42 100  
74 181.0 144.6 217.0  
44 6.9 5.1 7.7

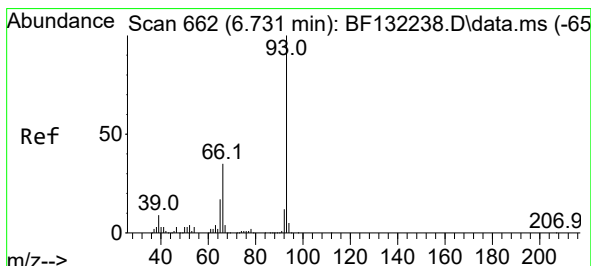
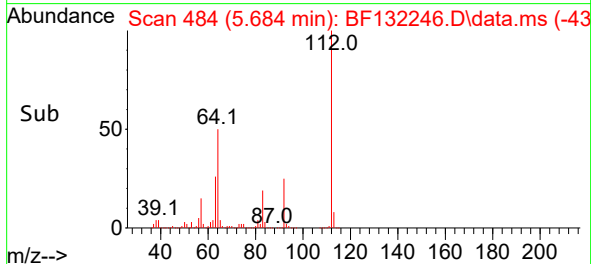
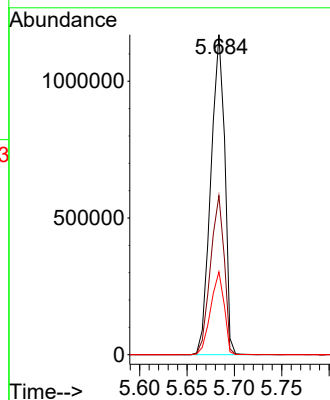
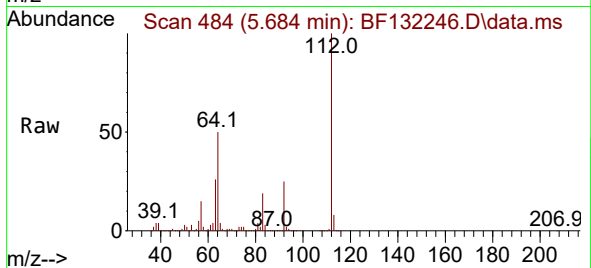




#5  
2-Fluorophenol  
Concen: 113.774 ng  
RT: 5.684 min Scan# 484  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

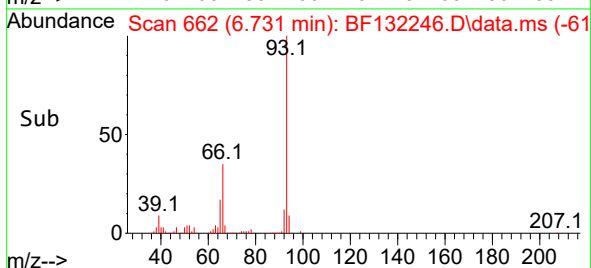
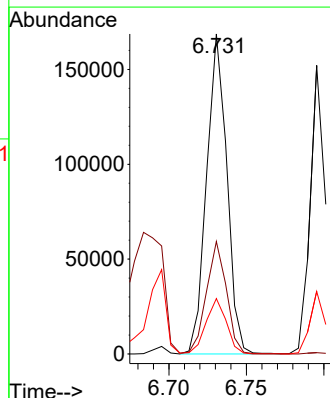
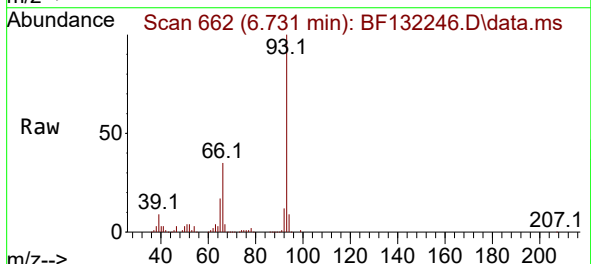
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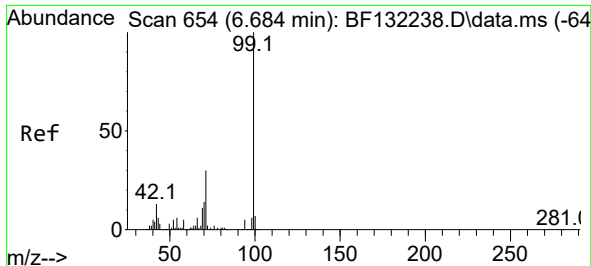
Tgt Ion:112 Resp: 1195829  
Ion Ratio Lower Upper  
112 100  
64 49.7 40.0 60.0  
63 25.9 20.5 30.7



#6  
Aniline  
Concen: 8.733 ng  
RT: 6.731 min Scan# 662  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
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Tgt Ion: 93 Resp: 153556  
Ion Ratio Lower Upper  
93 100  
66 35.2 28.8 43.2  
65 17.3 14.2 21.4

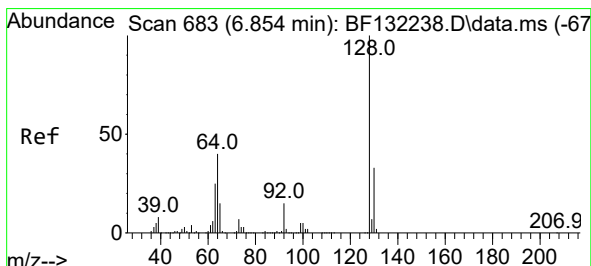
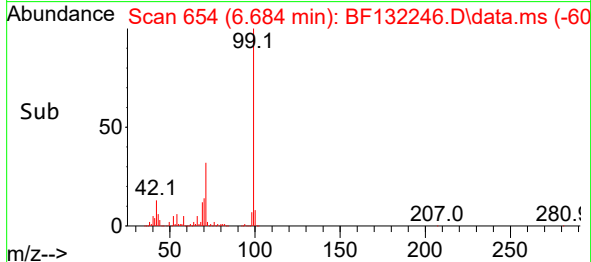
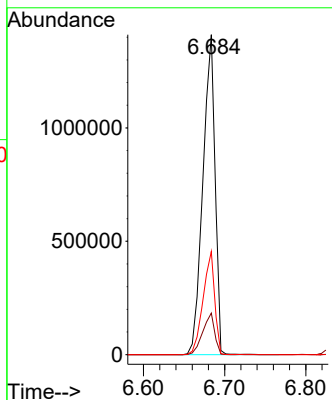
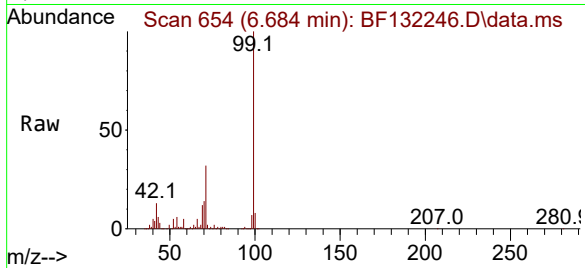




#7  
Phenol-d6  
Concen: 113.550 ng  
RT: 6.684 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

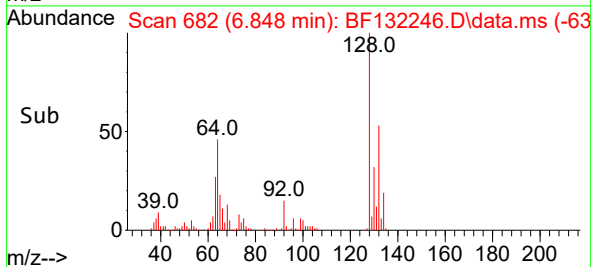
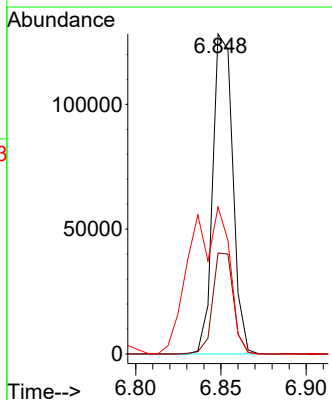
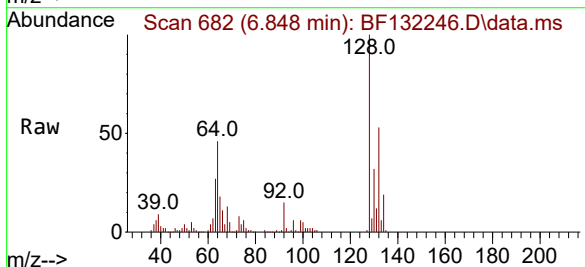
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

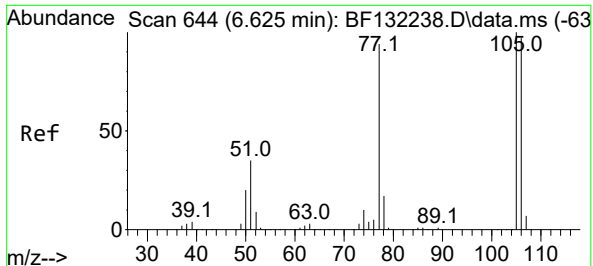
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Ion Ratio Lower Upper  
99 100  
42 13.0 10.1 15.1  
71 32.2 24.2 36.4



#8  
2-Chlorophenol  
Concen: 9.626 ng  
RT: 6.848 min Scan# 682  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:128 Resp: 104792  
Ion Ratio Lower Upper  
128 100  
130 31.5 13.3 53.3  
64 45.9 20.1 60.1

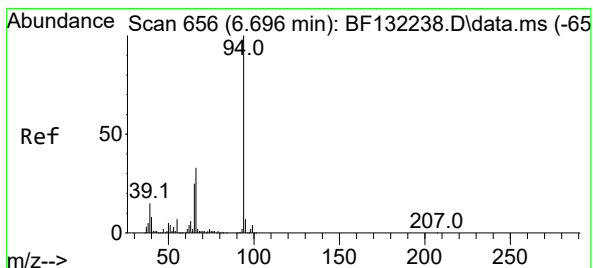
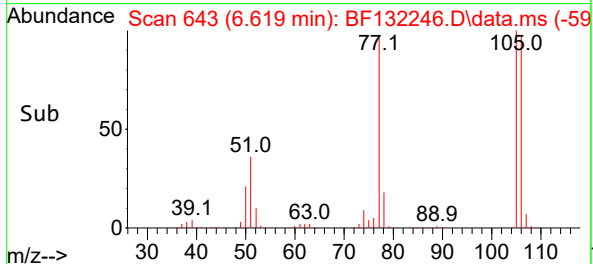
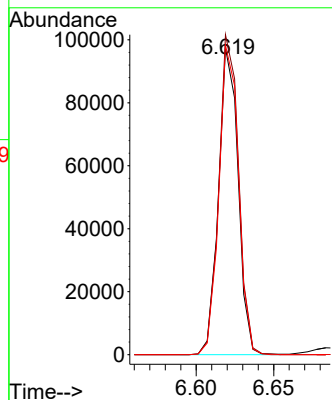
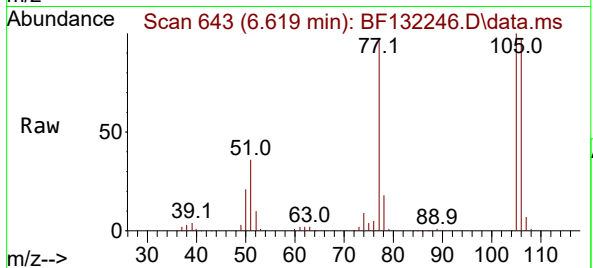




#9  
Benzaldehyde  
Concen: 9.192 ng  
RT: 6.619 min Scan# 644  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

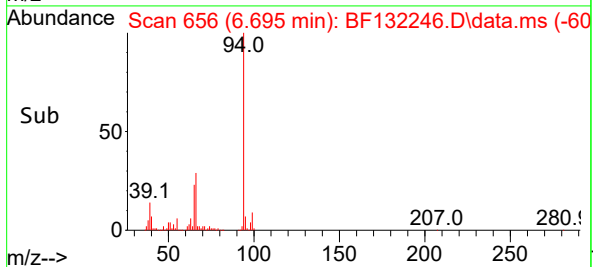
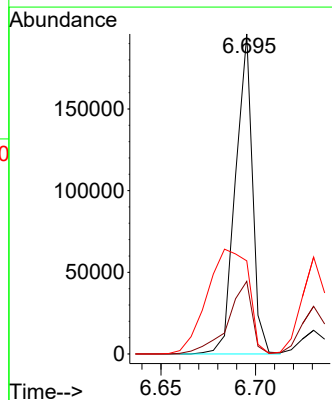
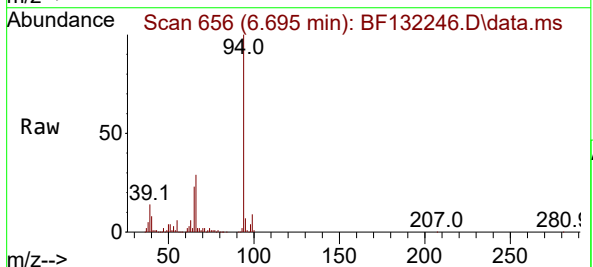
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

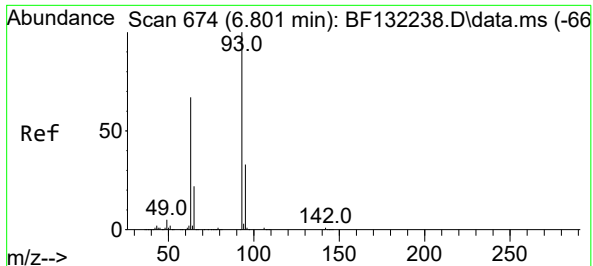
Tgt Ion: 77 Resp: 85274  
Ion Ratio Lower Upper  
77 100  
105 104.4 86.8 126.8  
106 100.9 83.8 123.8



#10  
Phenol  
Concen: 9.071 ng  
RT: 6.695 min Scan# 656  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion: 94 Resp: 121668  
Ion Ratio Lower Upper  
94 100  
65 22.7 5.1 45.1  
66 29.1 13.0 53.0

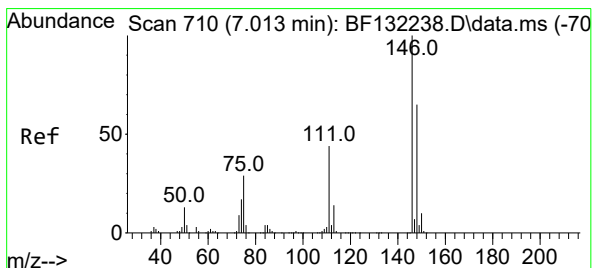
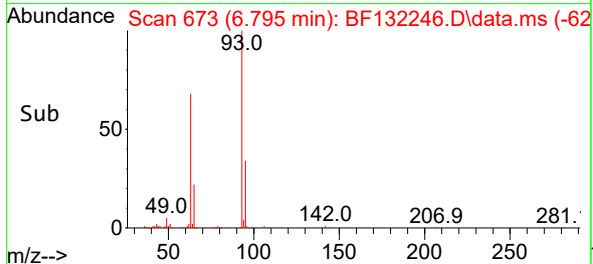
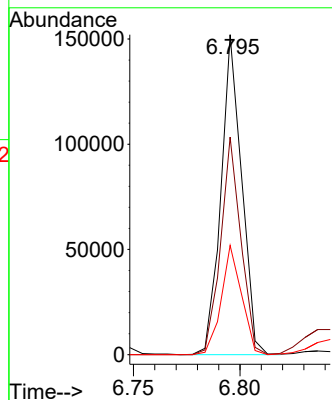
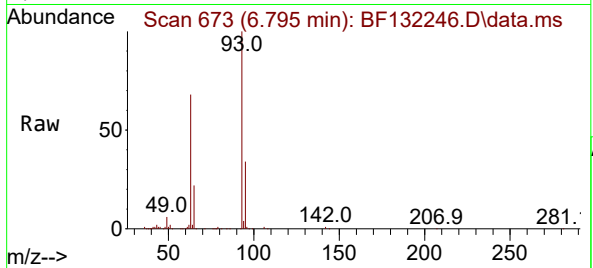




#11  
bis(2-Chloroethyl)ether  
Concen: 9.305 ng  
RT: 6.795 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

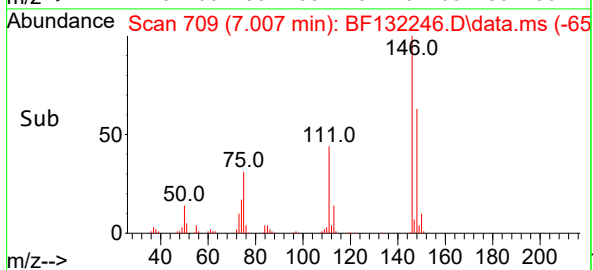
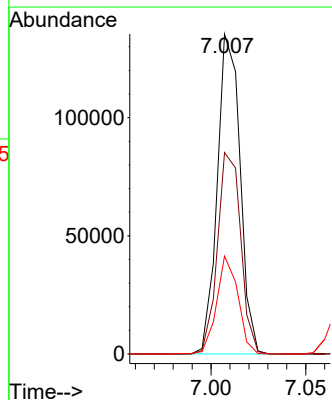
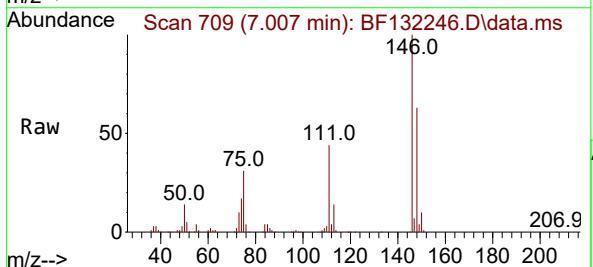
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

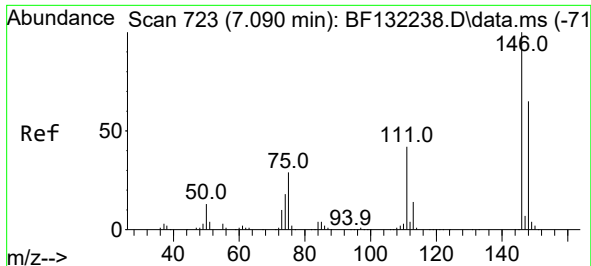
Tgt Ion: 93 Resp: 102709  
Ion Ratio Lower Upper  
93 100  
63 68.0 46.7 86.7  
95 34.1 13.4 53.4



#12  
1,3-Dichlorobenzene  
Concen: 9.846 ng  
RT: 7.007 min Scan# 709  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:146 Resp: 113359  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.8 77.8  
75 30.6 23.5 35.3

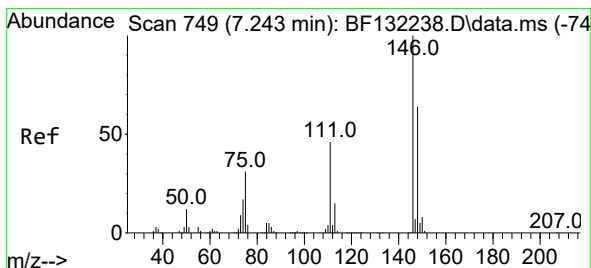
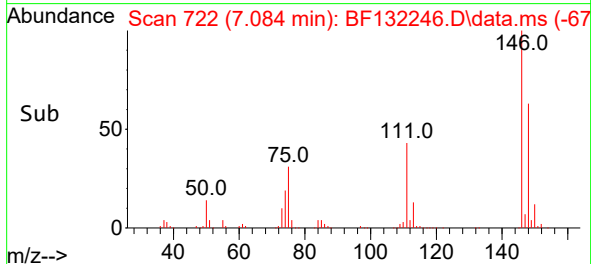
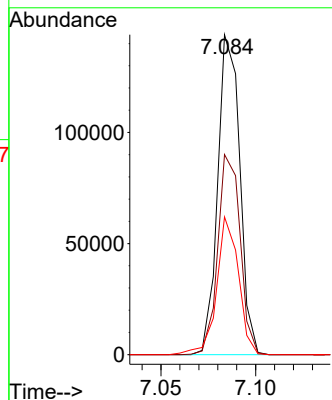
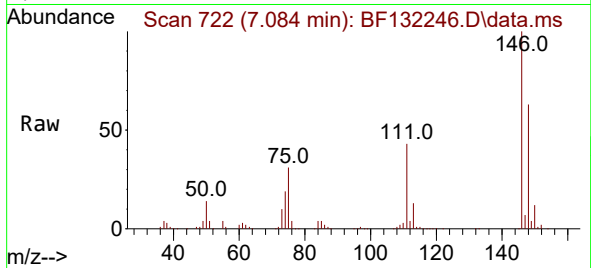




#13  
1,4-Dichlorobenzene  
Concen: 10.159 ng  
RT: 7.084 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

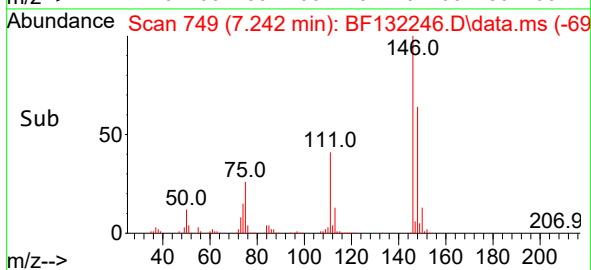
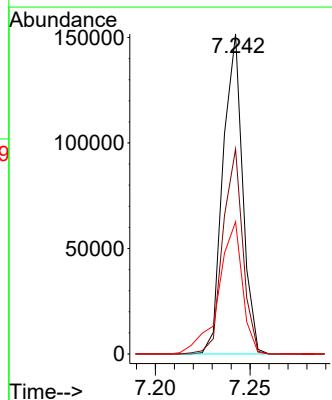
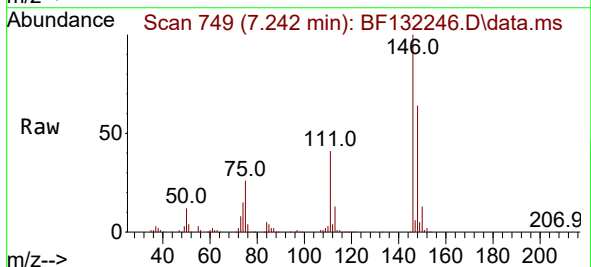
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

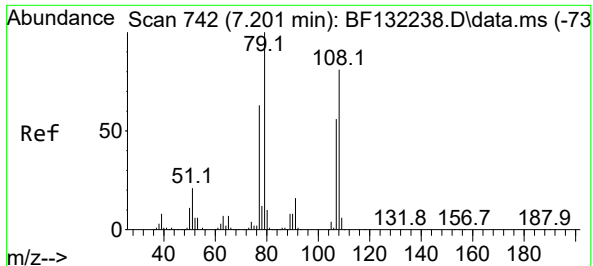
Tgt Ion:146 Resp: 116757  
Ion Ratio Lower Upper  
146 100  
148 62.6 52.4 78.6  
111 43.0 34.0 51.0



#14  
1,2-Dichlorobenzene  
Concen: 10.189 ng  
RT: 7.242 min Scan# 749  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:146 Resp: 109203  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.4 77.0  
111 41.3 37.1 55.7





#15

Benzyl Alcohol

Concen: 8.521 ng

RT: 7.195 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

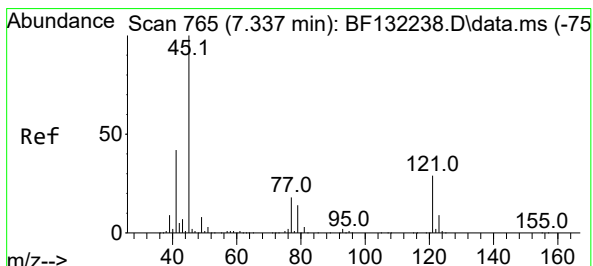
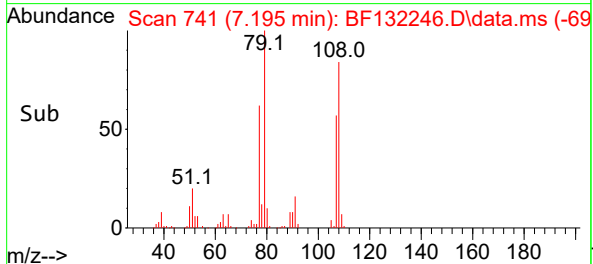
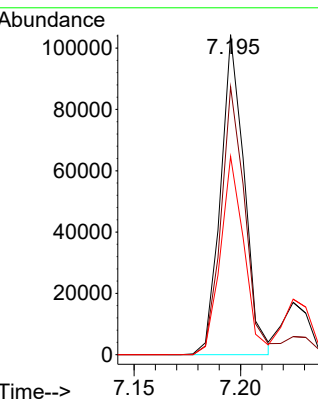
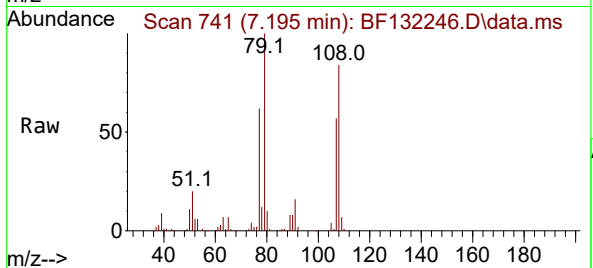
Tgt Ion: 79 Resp: 80569

Ion Ratio Lower Upper

79 100

108 83.7 64.6 97.0

77 61.9 50.1 75.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.609 ng

RT: 7.336 min Scan# 765

Delta R.T. -0.000 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

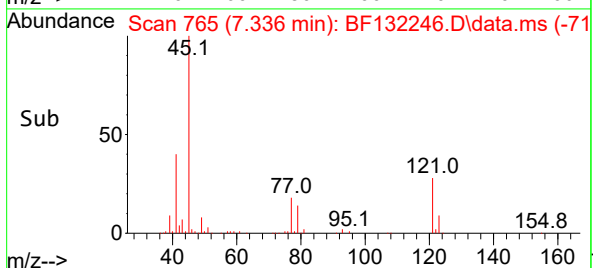
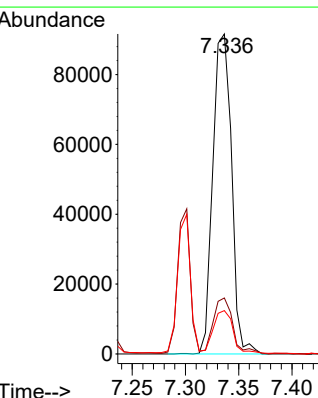
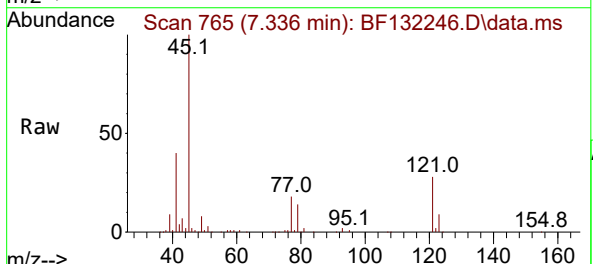
Tgt Ion: 45 Resp: 111745

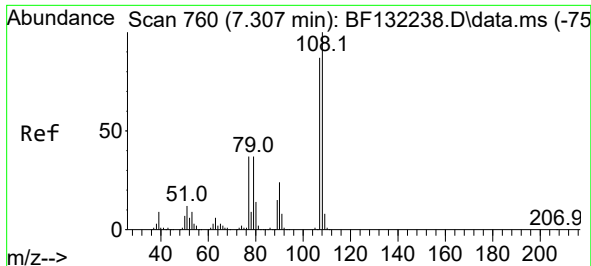
Ion Ratio Lower Upper

45 100

77 17.5 0.0 38.0

79 13.5 0.0 33.8

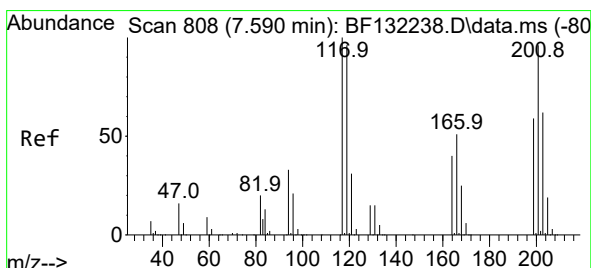
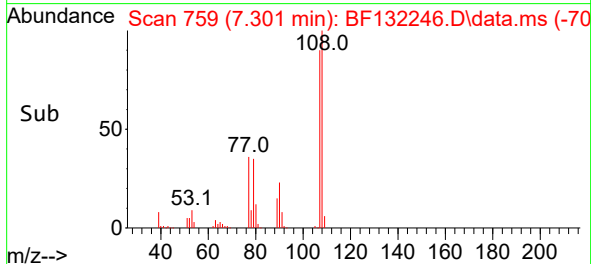
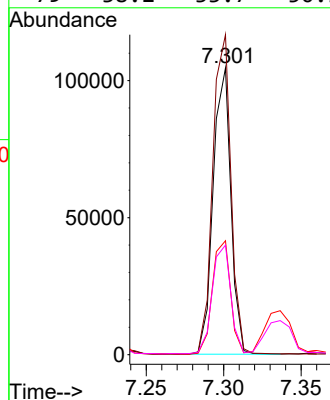
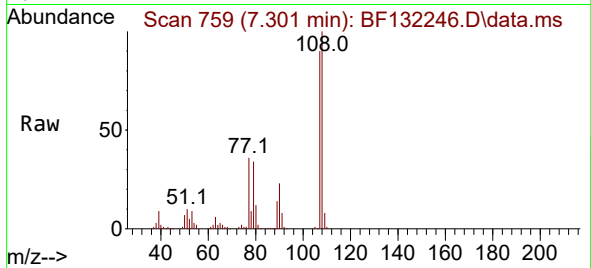




#17  
2-Methylphenol  
Concen: 8.717 ng  
RT: 7.301 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

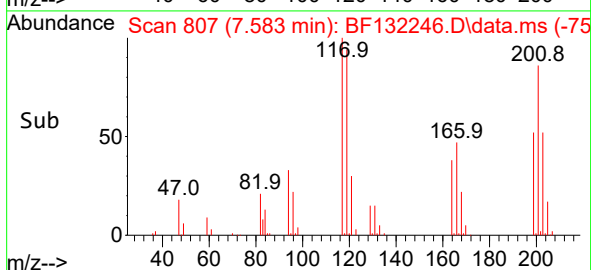
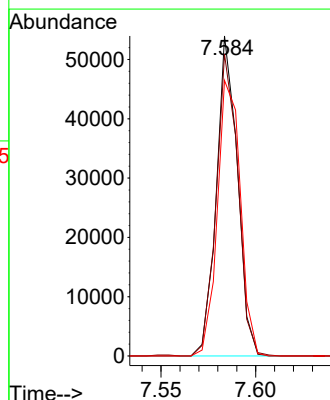
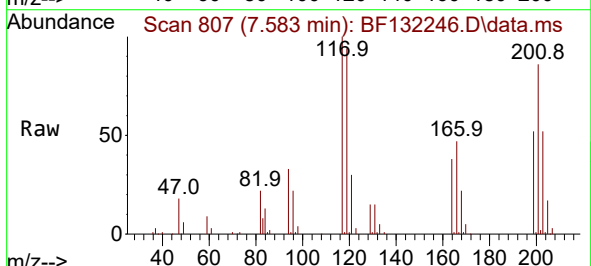
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

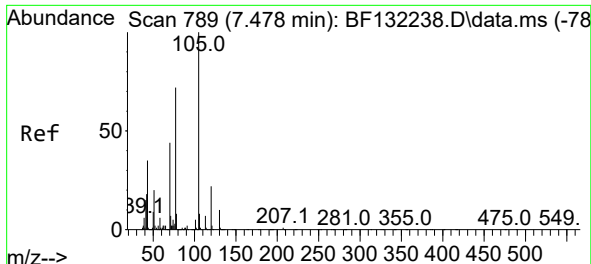
Tgt Ion:107 Resp: 83069  
Ion Ratio Lower Upper  
107 100  
108 111.6 91.8 137.6  
77 39.7 34.2 51.2  
79 38.2 33.7 50.5



#18  
Hexachloroethane  
Concen: 9.660 ng  
RT: 7.583 min Scan# 807  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:117 Resp: 41648  
Ion Ratio Lower Upper  
117 100  
119 94.3 76.7 115.1  
201 86.1 76.6 114.8

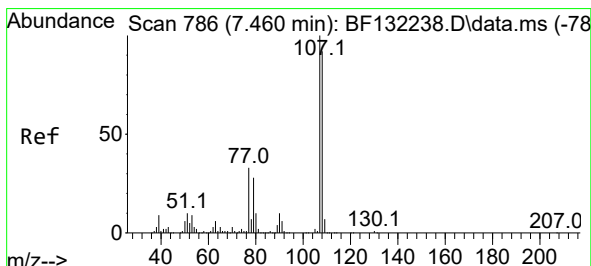
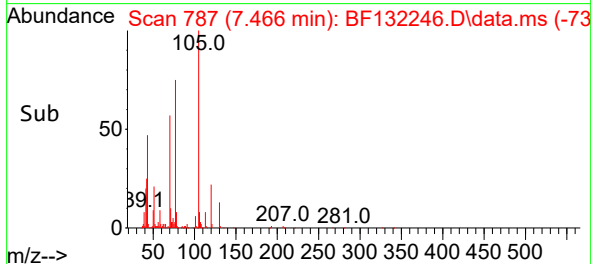
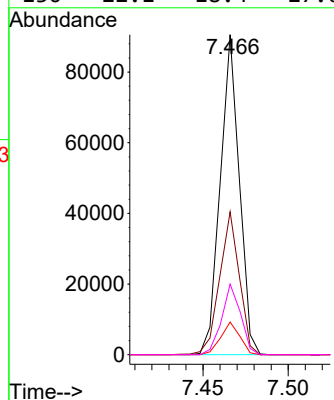
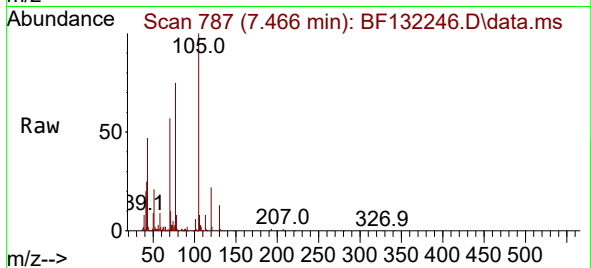




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.571 ng  
RT: 7.466 min Scan# 70  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

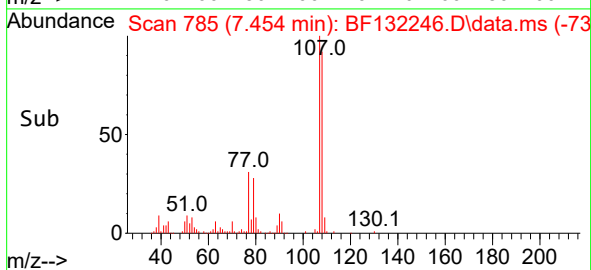
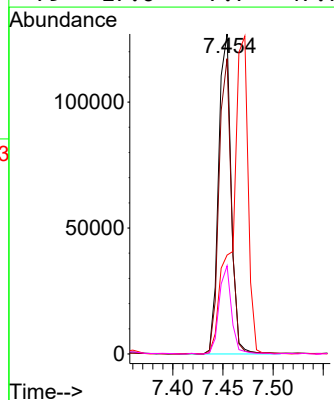
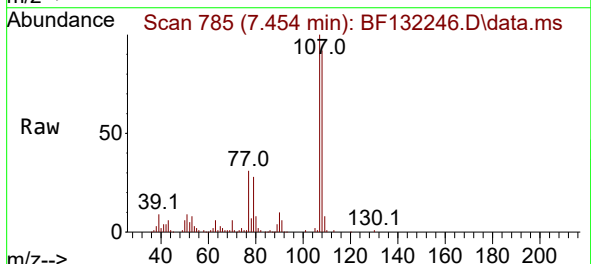
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

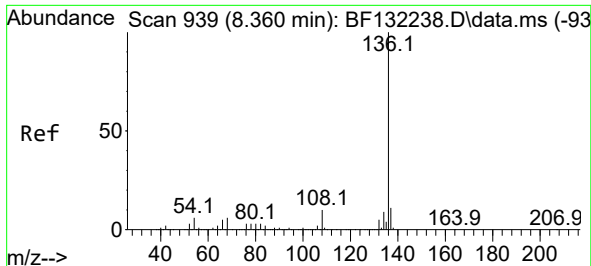
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 70448 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 44.7  | 33.4  | 50.0  |
| 101      | 10.2  | 8.2   | 12.4  |
| 130      | 22.1  | 18.4  | 27.6  |



#20  
3+4-Methylphenols  
Concen: 9.117 ng  
RT: 7.454 min Scan# 785  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 110881 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.3  | 71.6  | 111.6  |
| 77       | 30.9  | 13.4  | 53.4   |
| 79       | 27.6  | 7.7   | 47.7   |

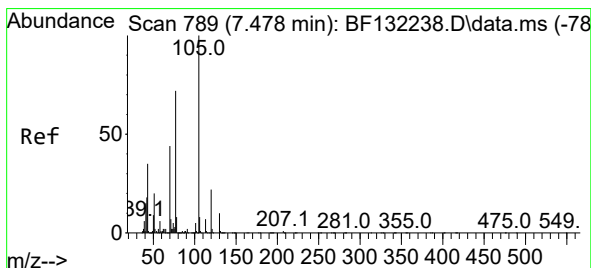
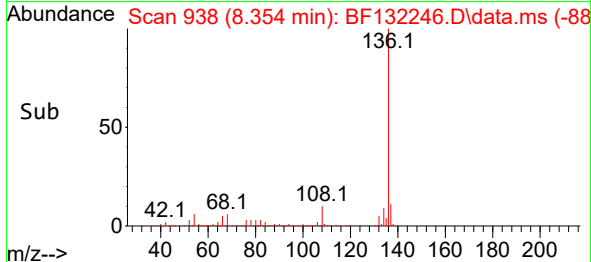
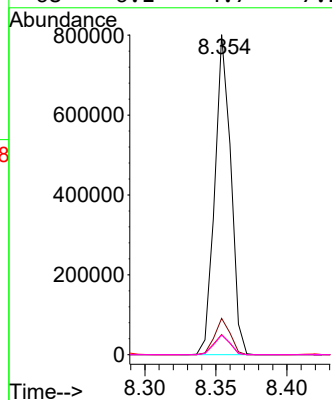
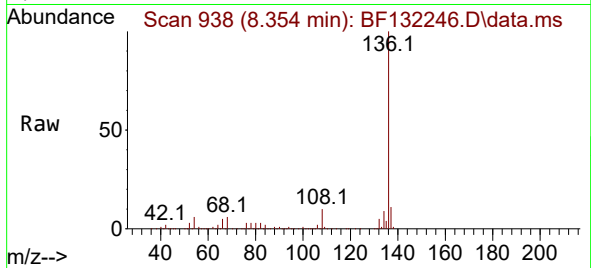




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.354 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

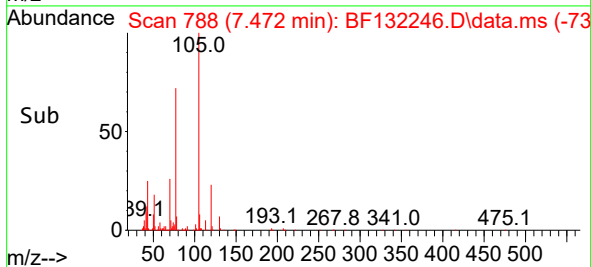
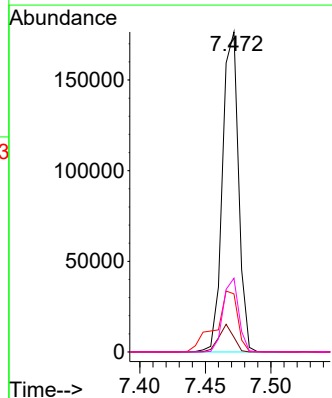
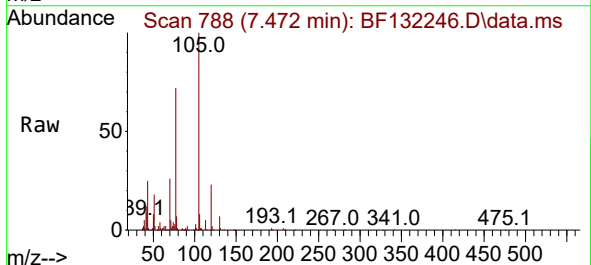
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

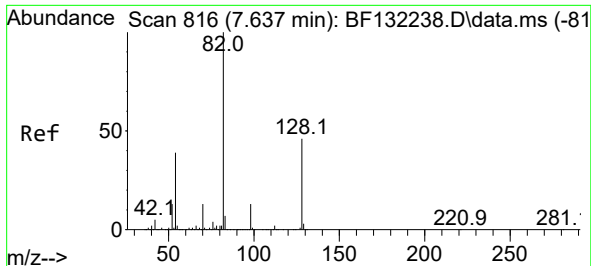
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 630361 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.3  | 8.8   | 13.2   |
| 54        | 6.3   | 4.9   | 7.3    |
| 68        | 6.1   | 4.7   | 7.1    |



#22  
Acetophenone  
Concen: 10.107 ng  
RT: 7.472 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 149830 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 4.6   | 5.8   | 8.6#   |
| 51        | 18.2  | 16.2  | 24.2   |
| 120       | 23.1  | 18.0  | 27.0   |

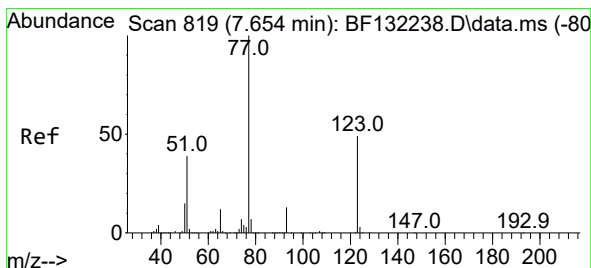
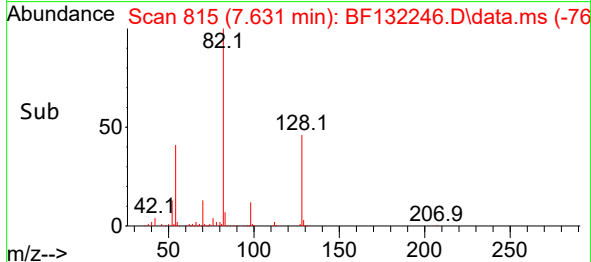
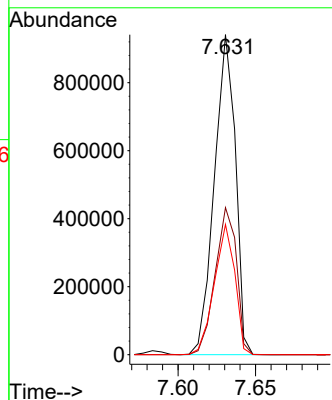
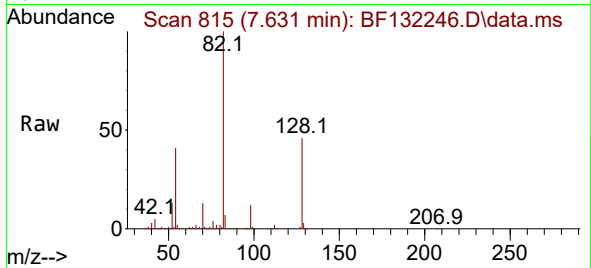




#23  
Nitrobenzene-d5  
Concen: 78.347 ng  
RT: 7.631 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

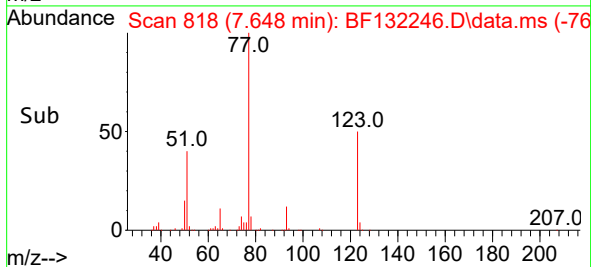
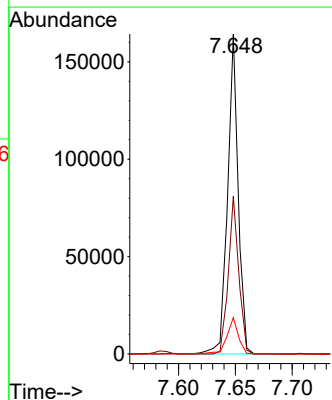
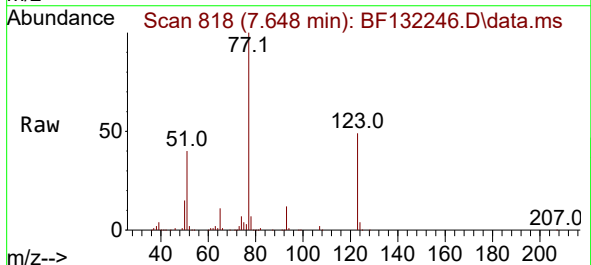
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

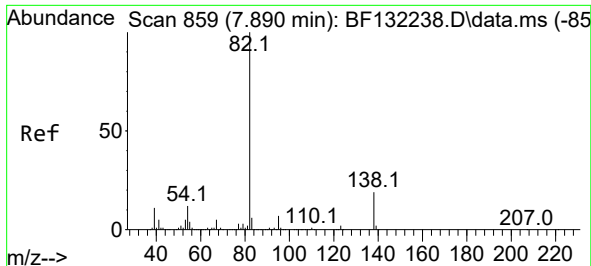
Tgt Ion: 82 Resp: 887496  
Ion Ratio Lower Upper  
82 100  
128 45.9 37.0 55.4  
54 40.7 31.5 47.3



#24  
Nitrobenzene  
Concen: 9.229 ng  
RT: 7.648 min Scan# 818  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion: 77 Resp: 106809  
Ion Ratio Lower Upper  
77 100  
123 49.3 39.5 59.3  
65 11.3 9.8 14.8

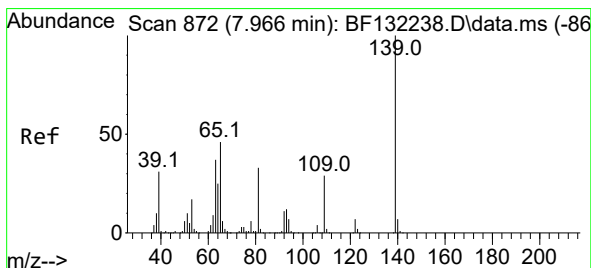
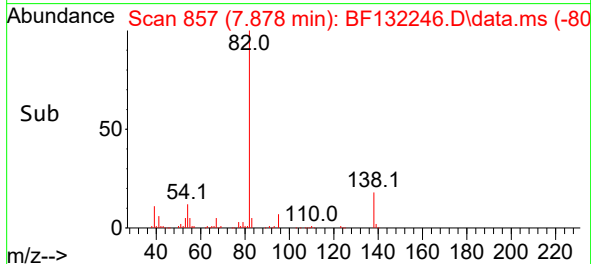
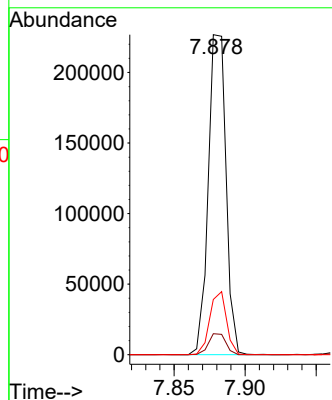
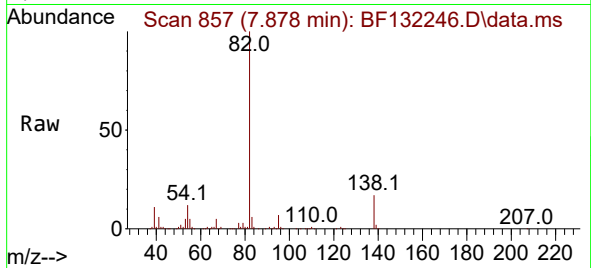




#25  
Isophorone  
Concen: 9.177 ng  
RT: 7.878 min Scan# 859  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

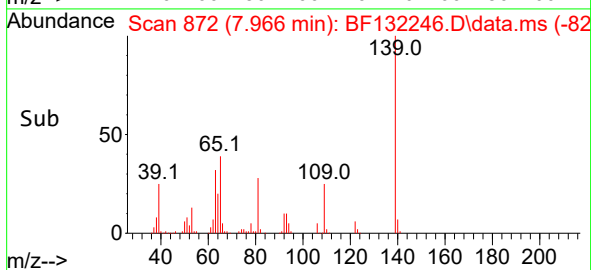
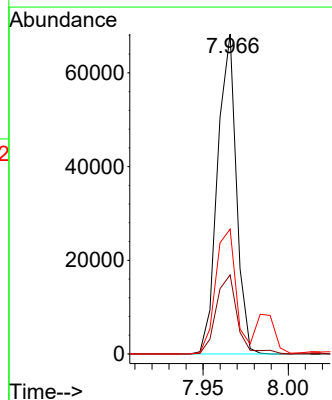
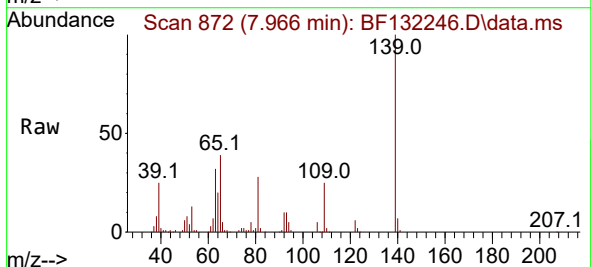
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

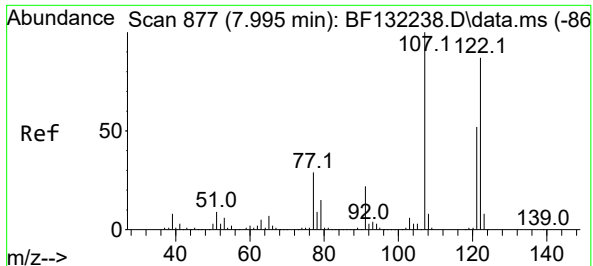
Tgt Ion: 82 Resp: 197318  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.6 8.4  
138 17.3 15.0 22.6



#26  
2-Nitrophenol  
Concen: 9.286 ng  
RT: 7.966 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:139 Resp: 52347  
Ion Ratio Lower Upper  
139 100  
109 24.7 23.0 34.6  
65 39.0 36.6 55.0





#27

2,4-Dimethylphenol

Concen: 8.699 ng

RT: 7.989 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

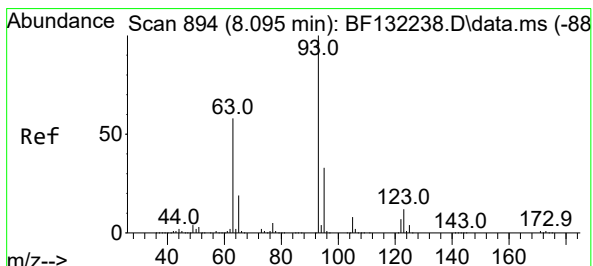
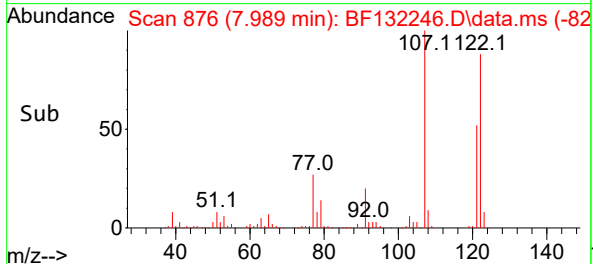
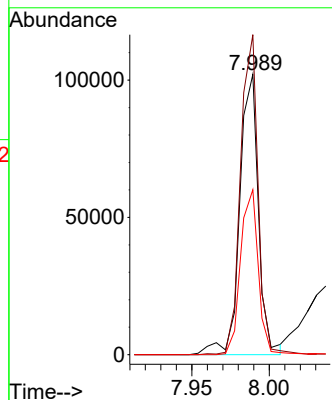
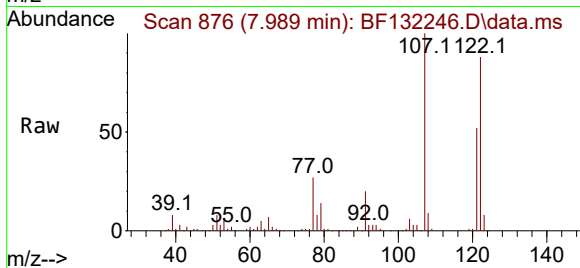
Tgt Ion:122 Resp: 85827

Ion Ratio Lower Upper

122 100

107 114.2 91.9 137.9

121 58.9 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 9.612 ng

RT: 8.089 min Scan# 893

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

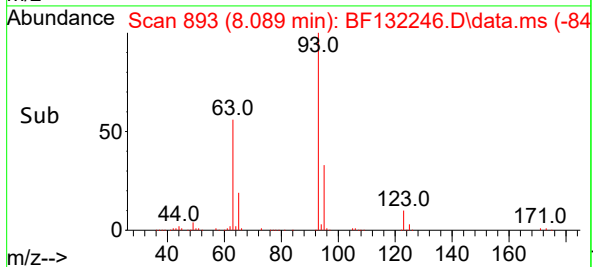
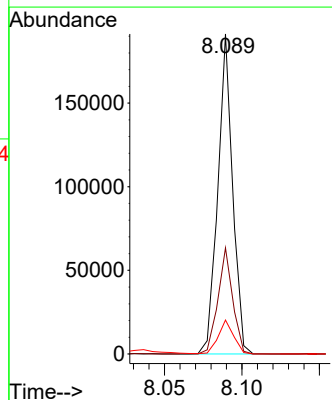
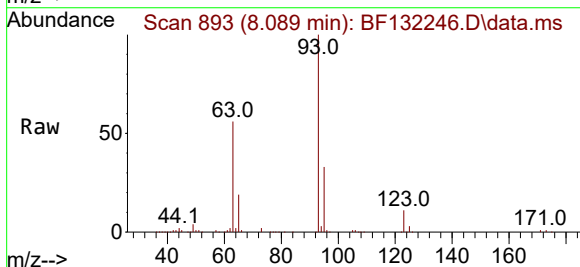
Tgt Ion: 93 Resp: 126994

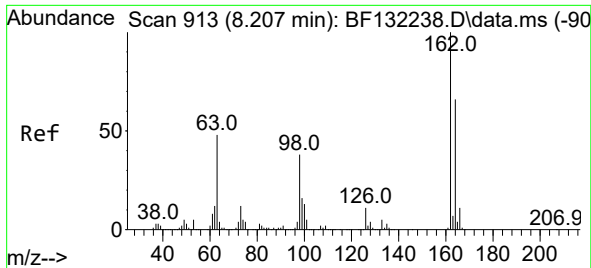
Ion Ratio Lower Upper

93 100

95 33.2 26.6 40.0

123 10.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 9.459 ng

RT: 8.201 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

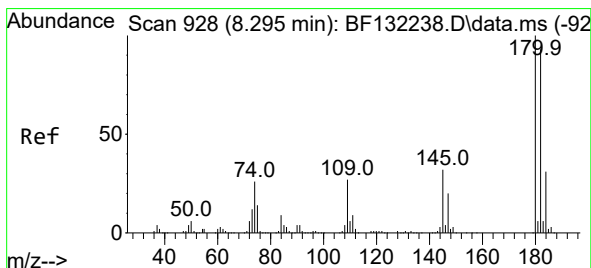
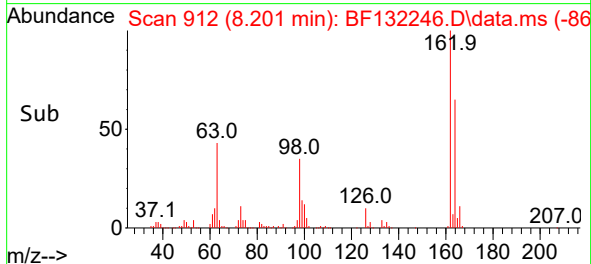
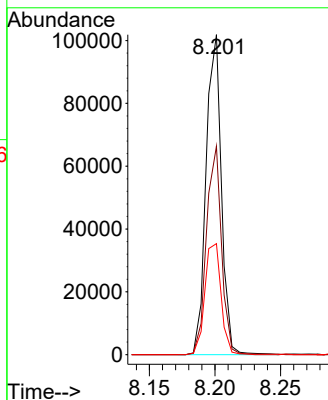
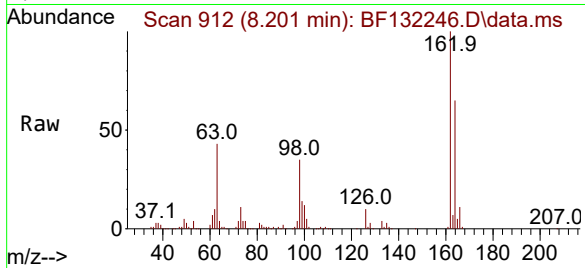
Tgt Ion:162 Resp: 82863

Ion Ratio Lower Upper

162 100

164 65.1 46.4 86.4

98 34.7 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 9.781 ng

RT: 8.289 min Scan# 927

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

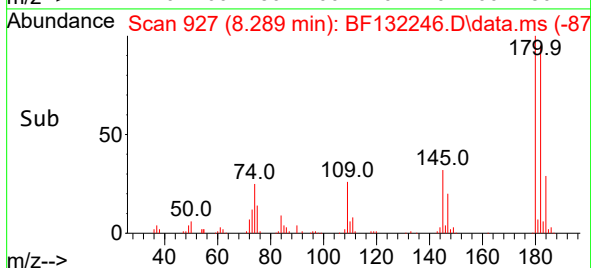
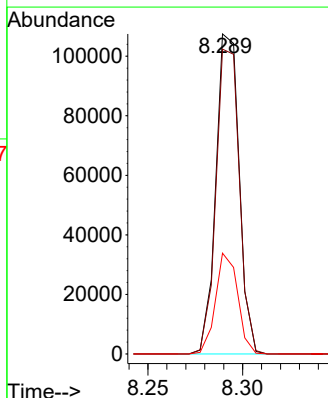
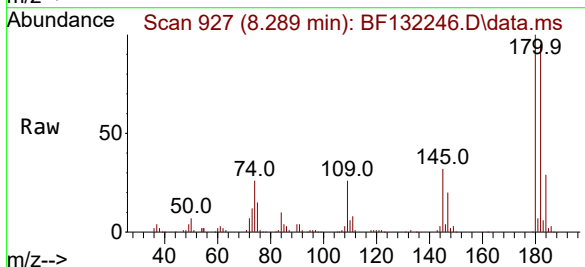
Tgt Ion:180 Resp: 91749

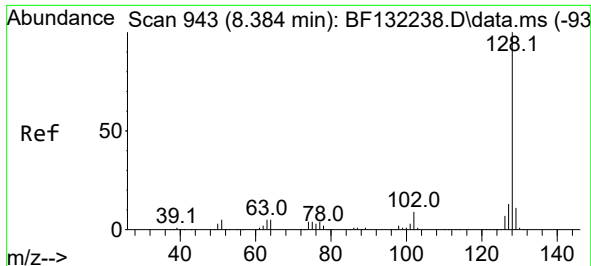
Ion Ratio Lower Upper

180 100

182 95.3 74.6 112.0

145 31.5 25.3 37.9

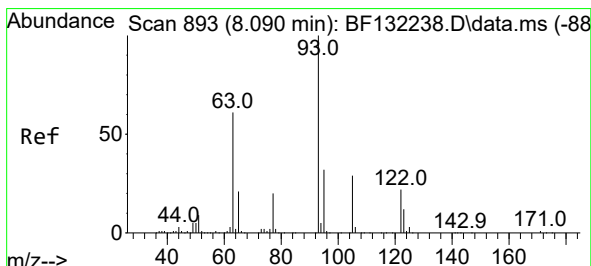
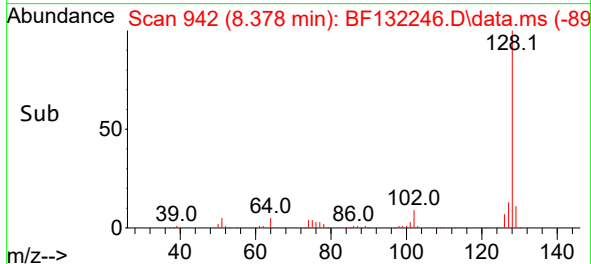
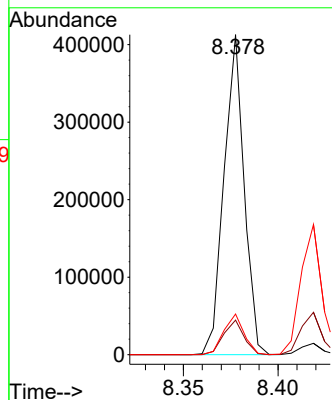
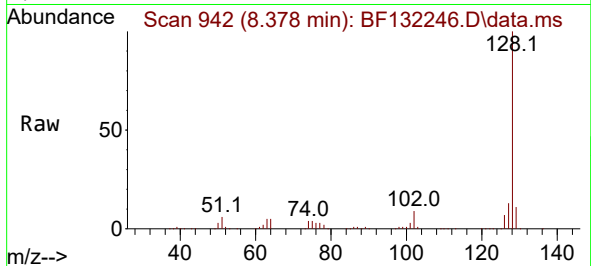




#31  
Naphthalene  
Concen: 9.848 ng  
RT: 8.378 min Scan# 943  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

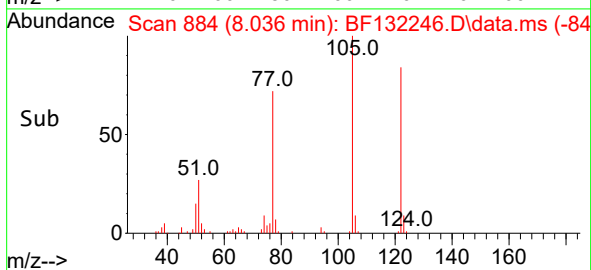
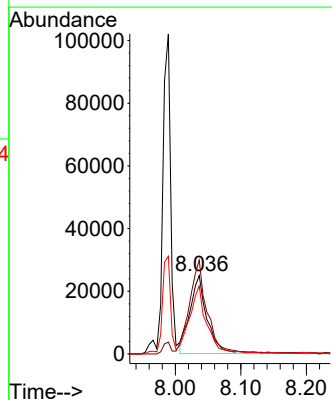
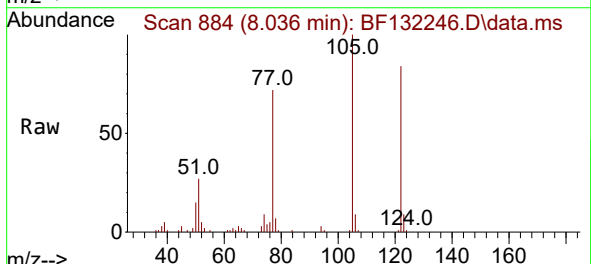
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

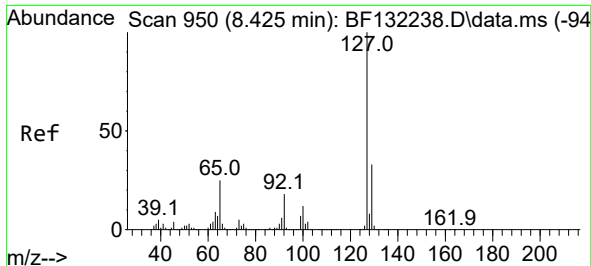
Tgt Ion:128 Resp: 305577  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.0 13.4  
127 12.7 10.5 15.7



#32  
Benzoic acid  
Concen: 6.257 ng  
RT: 8.036 min Scan# 884  
Delta R.T. -0.054 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:122 Resp: 45694  
Ion Ratio Lower Upper  
122 100  
105 119.7 106.3 146.3  
77 86.6 70.6 110.6

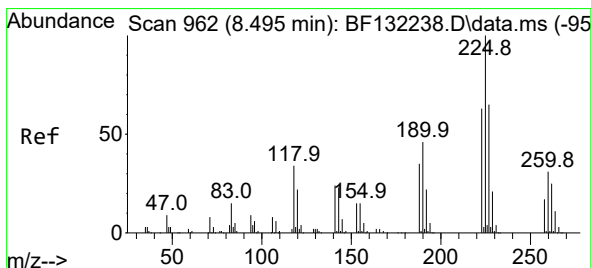
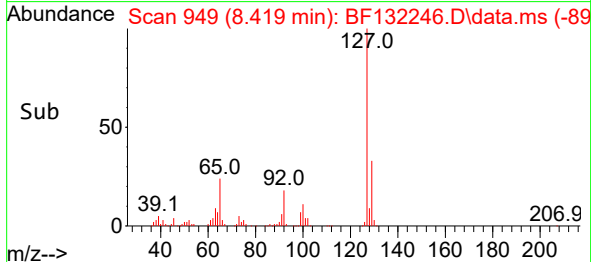
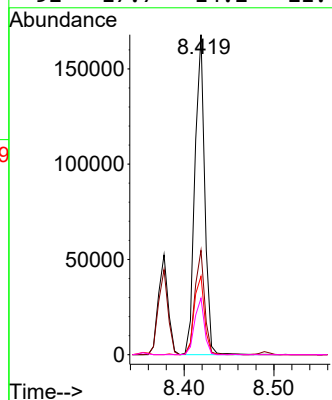
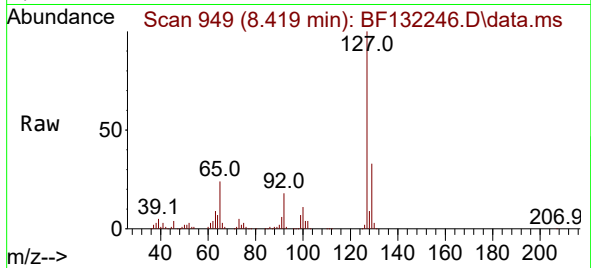




#33  
4-Chloroaniline  
Concen: 9.302 ng  
RT: 8.419 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

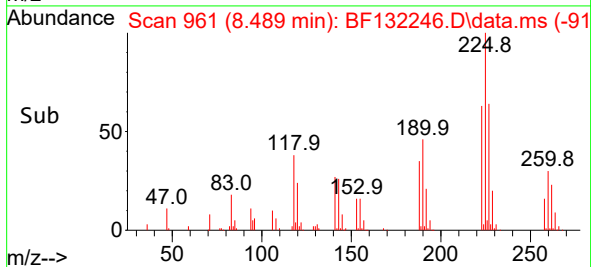
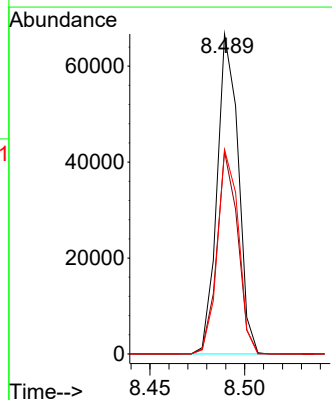
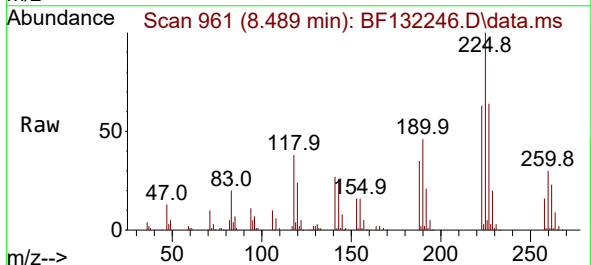
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

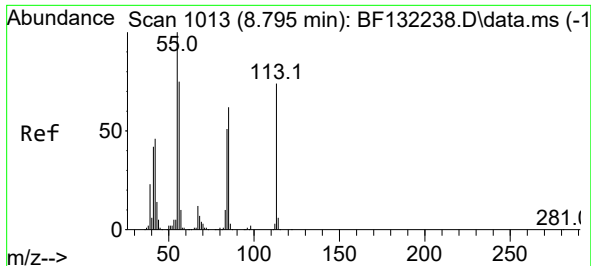
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 127990 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.6  | 26.6  | 39.8   |
| 65       | 24.5  | 20.2  | 30.2   |
| 92       | 17.7  | 14.2  | 21.4   |



#34  
Hexachlorobutadiene  
Concen: 9.851 ng  
RT: 8.489 min Scan# 961  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 51951 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 63.3  | 50.6  | 75.8  |
| 227      | 63.9  | 51.7  | 77.5  |





#35

Caprolactam

Concen: 9.099 ng

RT: 8.748 min Scan# 1005

Delta R.T. -0.047 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

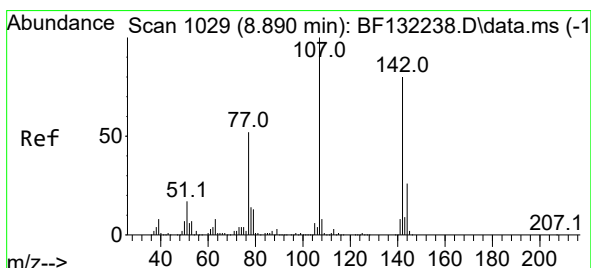
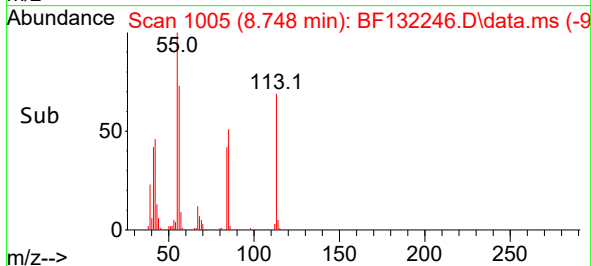
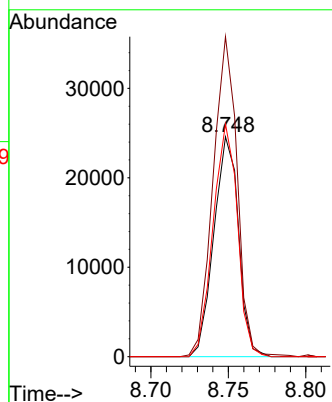
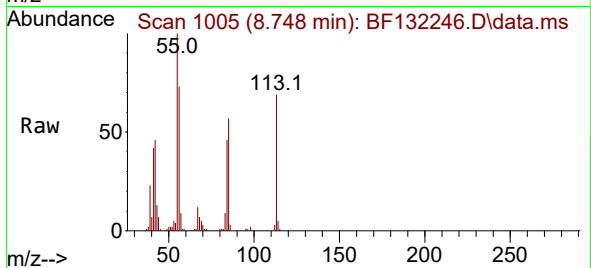
Tgt Ion:113 Resp: 27172

Ion Ratio Lower Upper

113 100

55 145.6 114.7 154.7

56 105.8 81.1 121.1



#36

4-Chloro-3-methylphenol

Concen: 9.281 ng

RT: 8.883 min Scan# 1028

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

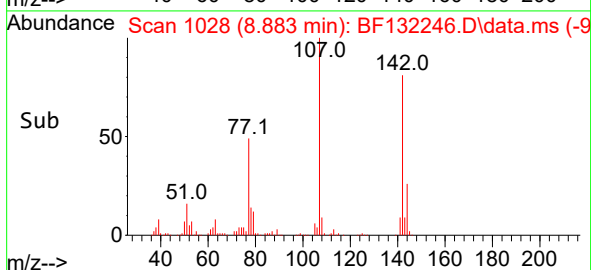
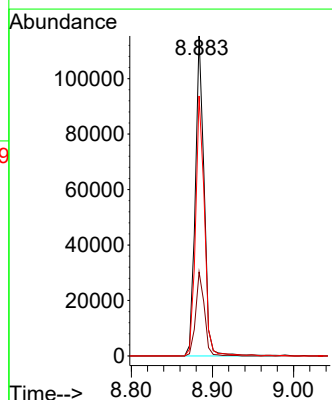
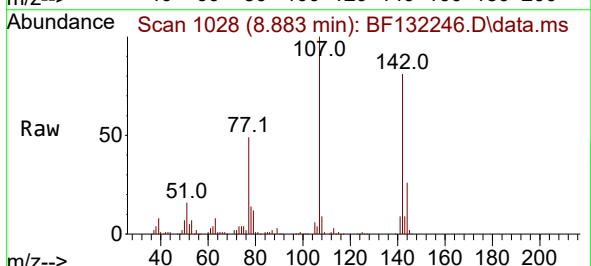
Tgt Ion:107 Resp: 87584

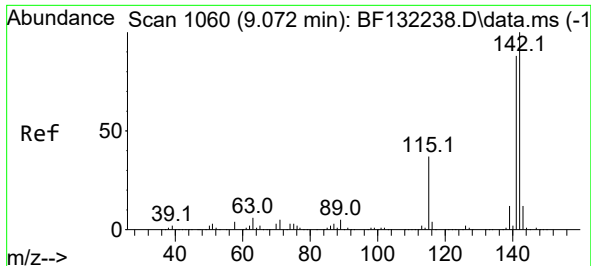
Ion Ratio Lower Upper

107 100

144 26.3 20.5 30.7

142 81.3 63.6 95.4

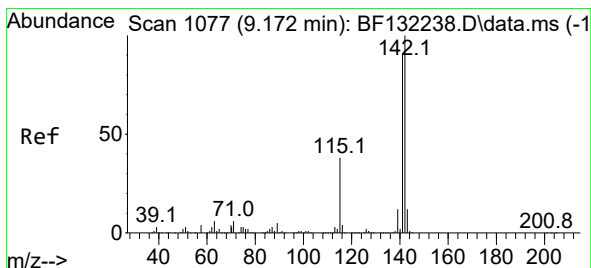
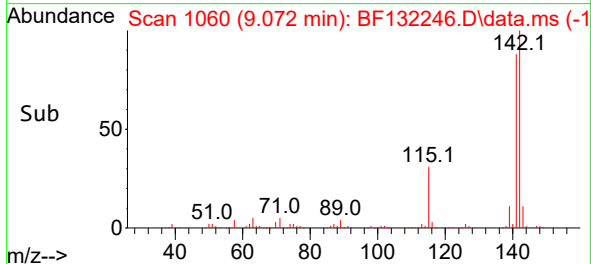
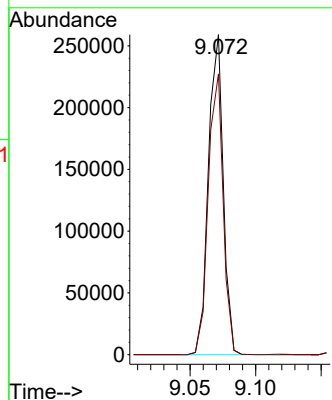
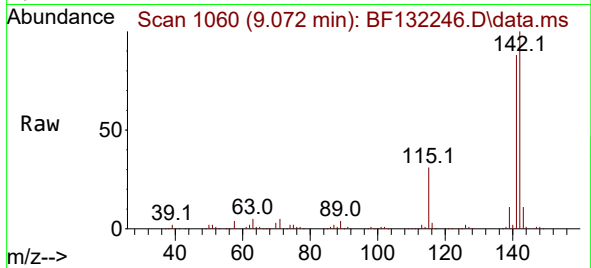




#37  
2-Methylnaphthalene  
Concen: 9.693 ng  
RT: 9.072 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

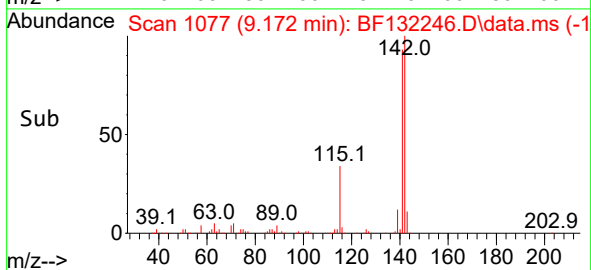
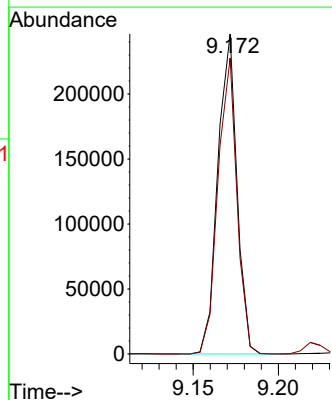
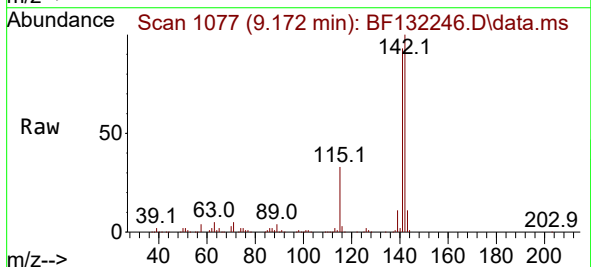
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

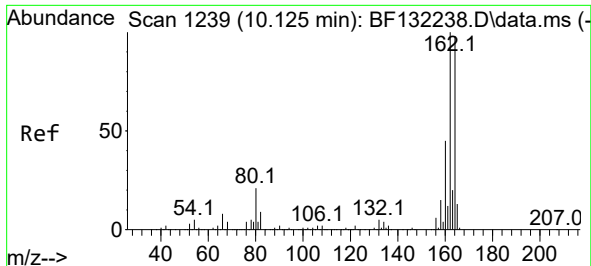
Tgt Ion:142 Resp: 203720  
Ion Ratio Lower Upper  
142 100  
141 87.8 70.1 105.1



#38  
1-Methylnaphthalene  
Concen: 9.825 ng  
RT: 9.172 min Scan# 1077  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:142 Resp: 191905  
Ion Ratio Lower Upper  
142 100  
141 92.5 72.6 108.8

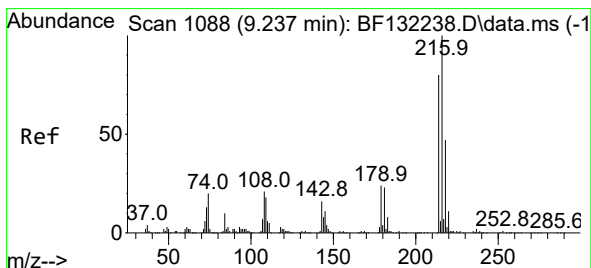
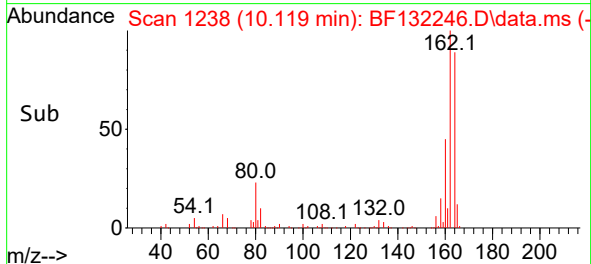
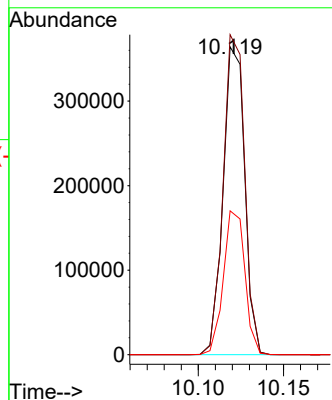
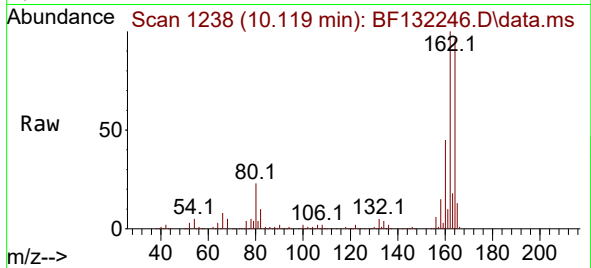




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.119 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

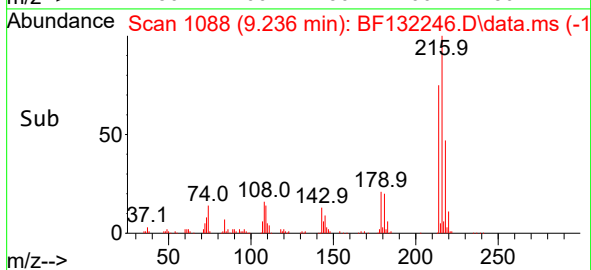
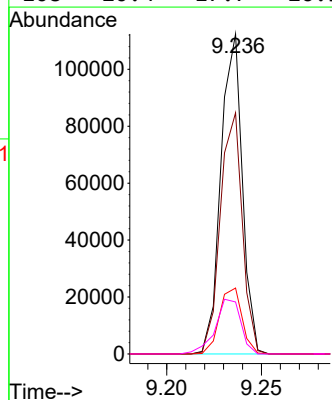
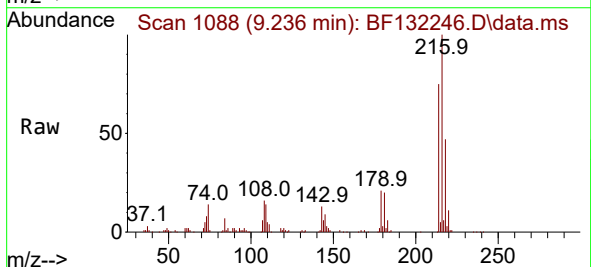
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

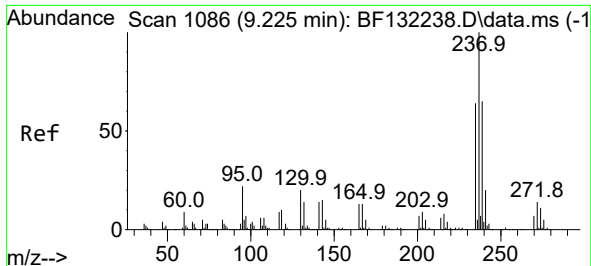
Tgt Ion:164 Resp: 321784  
Ion Ratio Lower Upper  
164 100  
162 104.0 82.0 123.0  
160 46.7 37.1 55.7



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 9.766 ng  
RT: 9.236 min Scan# 1088  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:216 Resp: 88431  
Ion Ratio Lower Upper  
216 100  
214 77.3 63.6 95.4  
179 21.8 18.3 27.5  
108 20.4 17.7 26.5

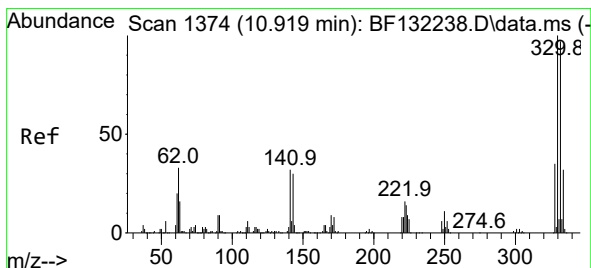
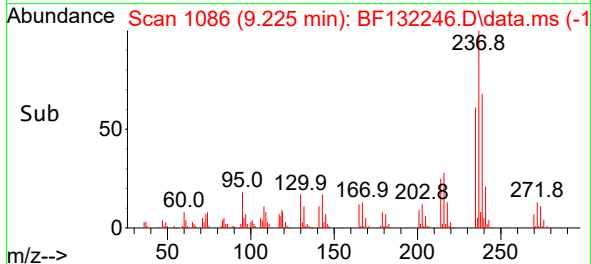
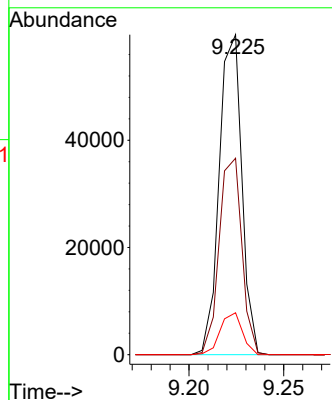
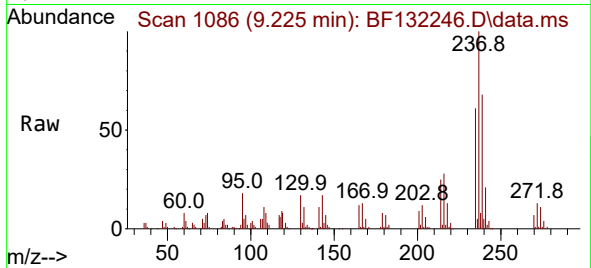




#41  
Hexachlorocyclopentadiene  
Concen: 9.378 ng  
RT: 9.225 min Scan# 1086  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

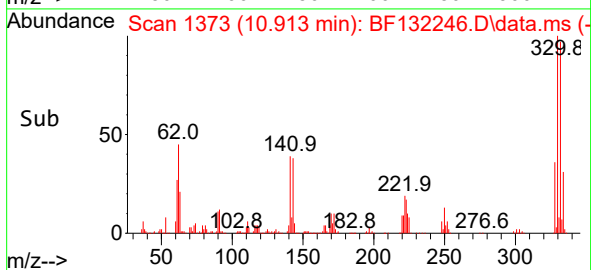
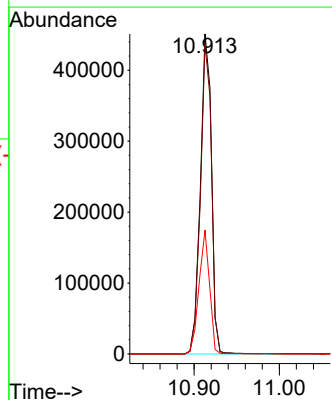
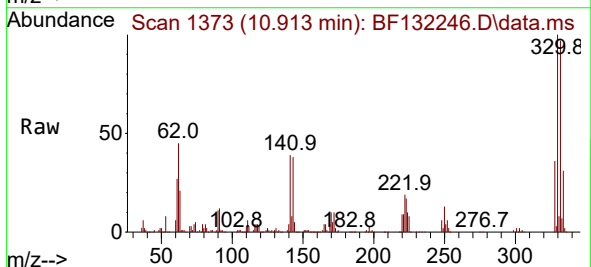
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

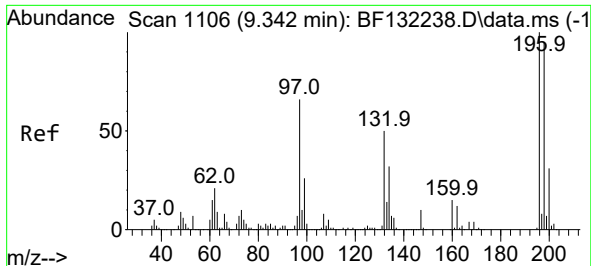
Tgt Ion:237 Resp: 49544  
Ion Ratio Lower Upper  
237 100  
235 61.4 43.5 83.5  
272 13.1 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 123.978 ng  
RT: 10.913 min Scan# 1373  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:330 Resp: 410256  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.9 116.9  
141 36.8 31.0 46.4

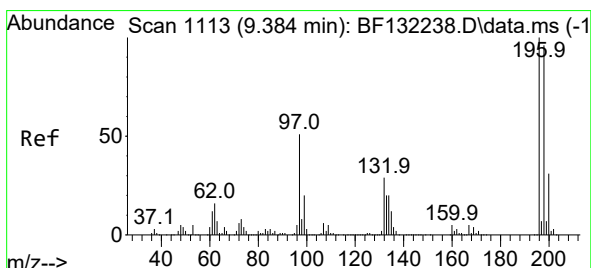
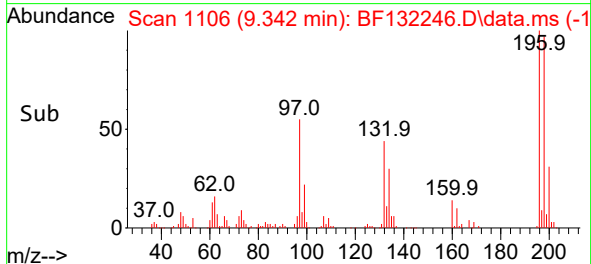
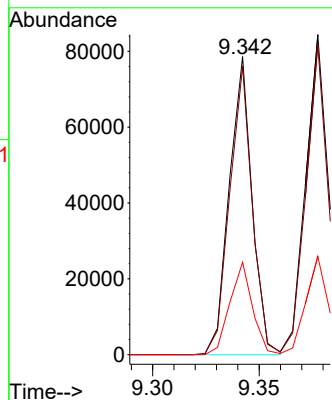
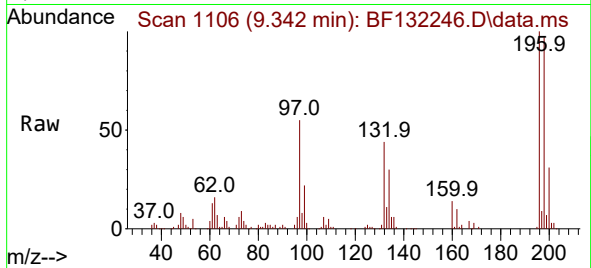




#43  
2,4,6-Trichlorophenol  
Concen: 9.065 ng  
RT: 9.342 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

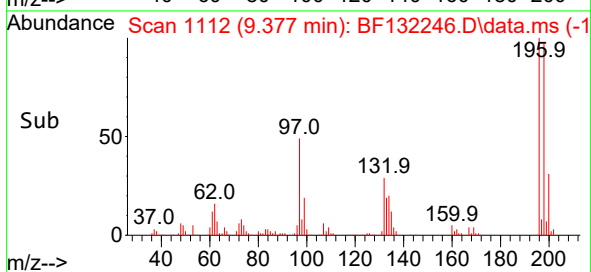
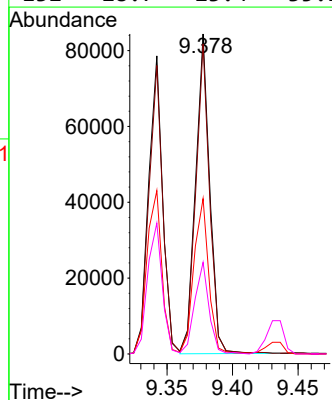
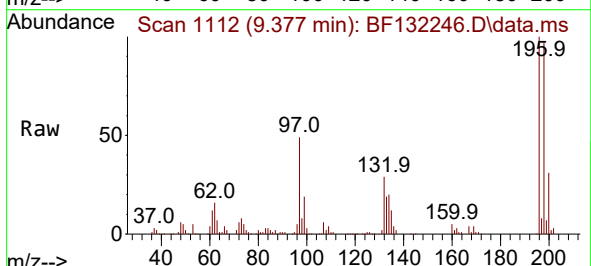
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

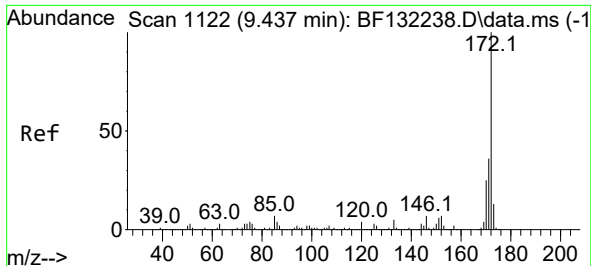
Tgt Ion:196 Resp: 58678  
Ion Ratio Lower Upper  
196 100  
198 96.8 75.9 113.9  
200 31.0 24.7 37.1



#44  
2,4,5-Trichlorophenol  
Concen: 8.526 ng  
RT: 9.377 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:196 Resp: 63520  
Ion Ratio Lower Upper  
196 100  
198 96.9 77.0 115.4  
97 48.6 41.2 61.8  
132 28.7 23.4 35.2

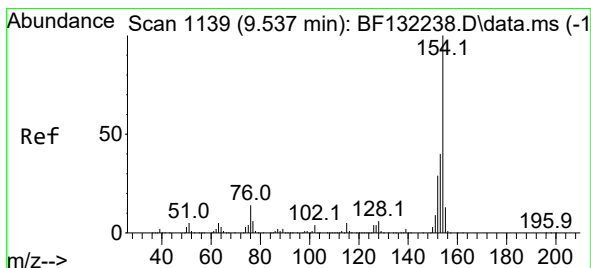
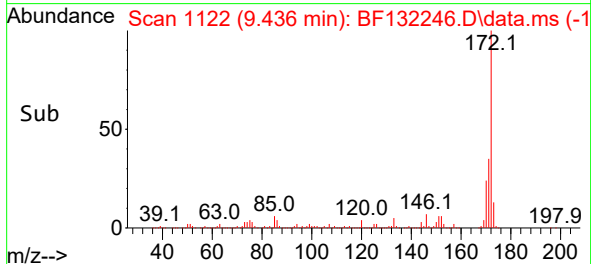
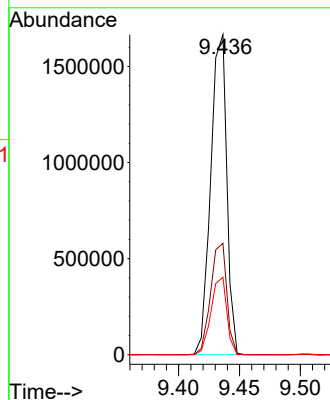
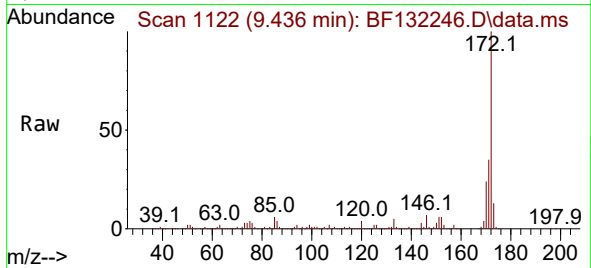




#45  
2-Fluorobiphenyl  
Concen: 73.485 ng  
RT: 9.436 min Scan# 1122  
Delta R.T. -0.001 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

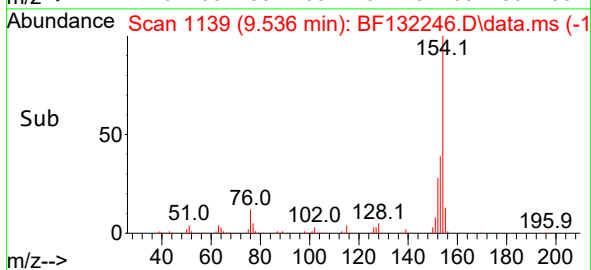
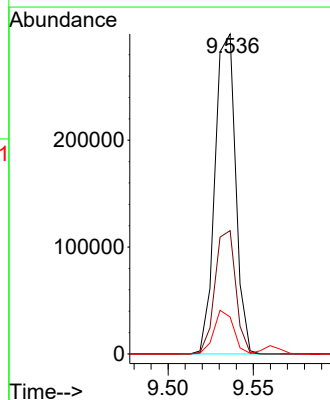
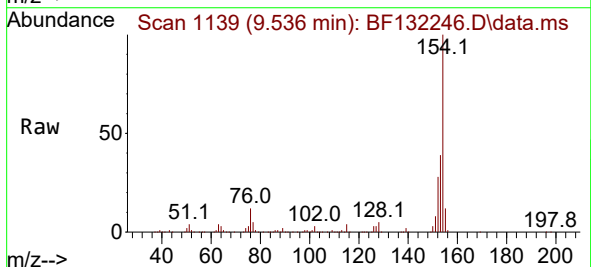
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

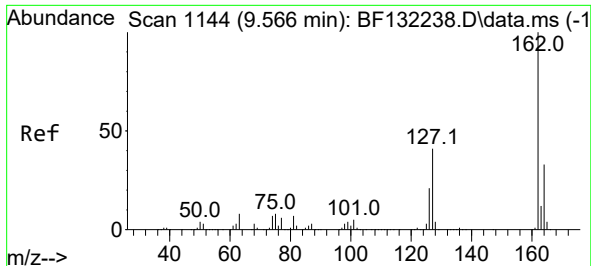
Tgt Ion:172 Resp: 1531257  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 43.0  
170 24.2 19.7 29.5



#46  
1,1'-Biphenyl  
Concen: 10.172 ng  
RT: 9.536 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:154 Resp: 252340  
Ion Ratio Lower Upper  
154 100  
153 38.5 19.9 59.9  
76 11.5 0.0 34.0





#47

2-Chloronaphthalene

Concen: 10.014 ng

RT: 9.560 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

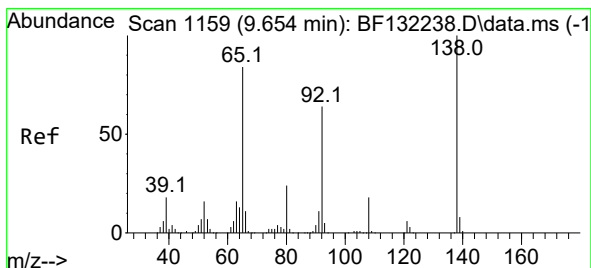
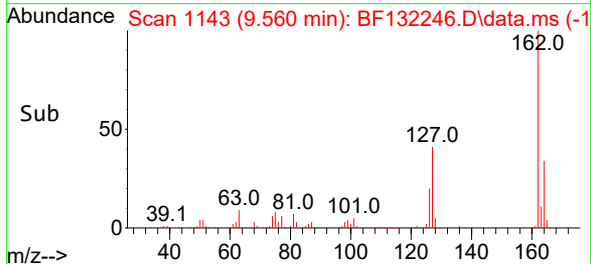
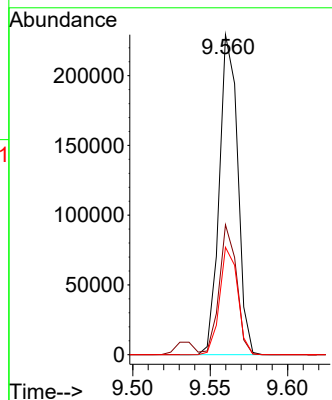
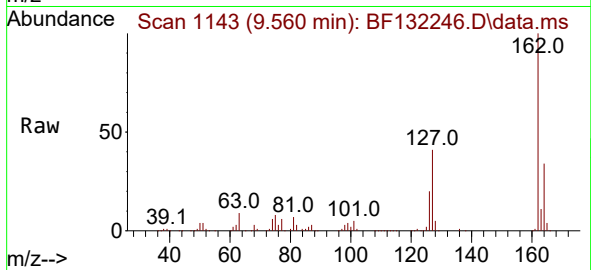
Tgt Ion:162 Resp: 189206

Ion Ratio Lower Upper

162 100

127 40.6 33.3 49.9

164 33.5 26.8 40.2



#48

2-Nitroaniline

Concen: 8.808 ng

RT: 9.648 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

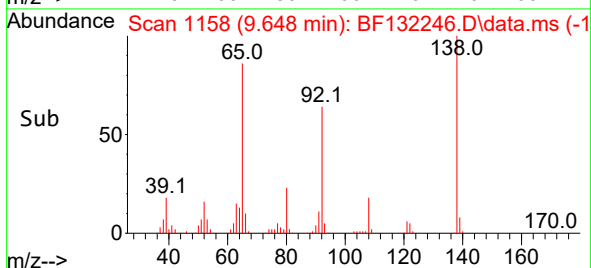
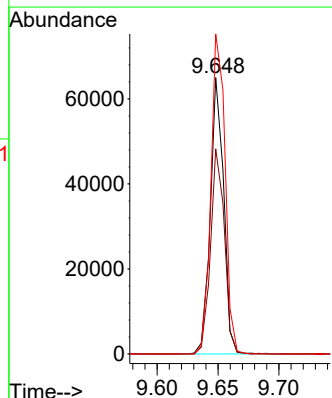
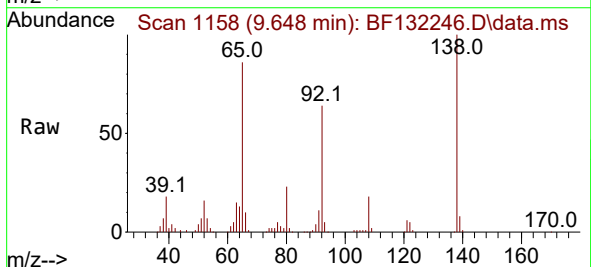
Tgt Ion: 65 Resp: 49494

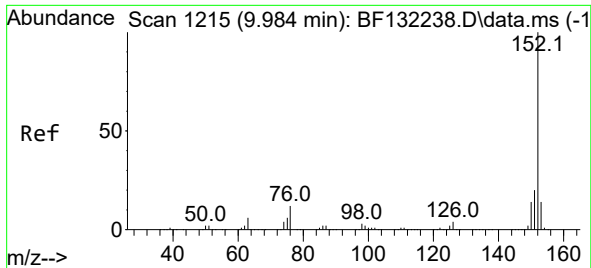
Ion Ratio Lower Upper

65 100

92 74.2 61.0 91.4

138 115.8 95.0 142.4





#49

Acenaphthylene

Concen: 9.660 ng

RT: 9.977 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

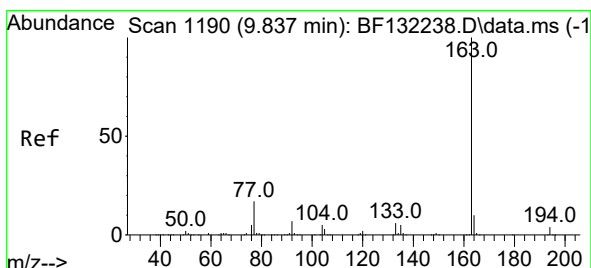
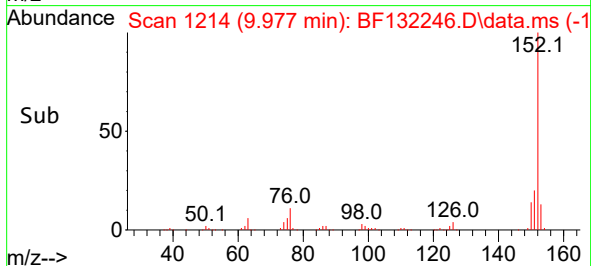
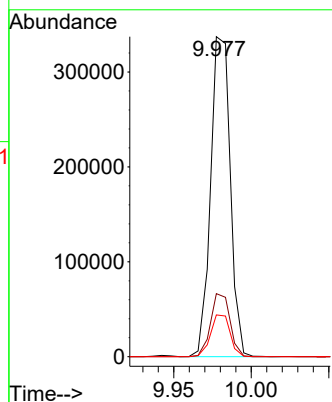
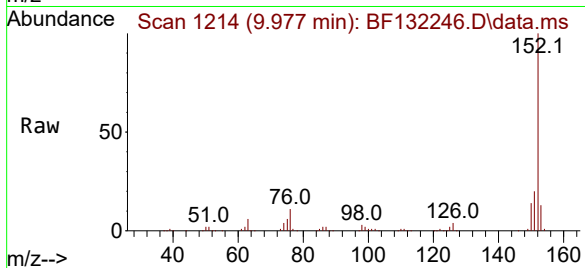
Tgt Ion:152 Resp: 297890

Ion Ratio Lower Upper

152 100

151 19.7 15.9 23.9

153 13.0 10.9 16.3



#50

Dimethylphthalate

Concen: 9.505 ng

RT: 9.825 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

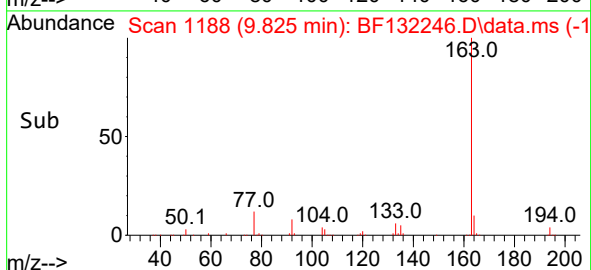
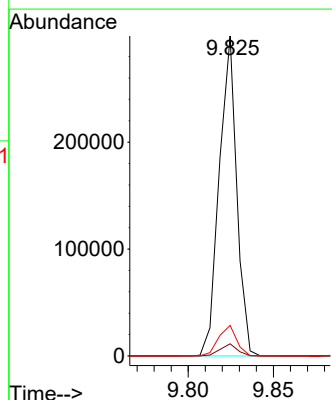
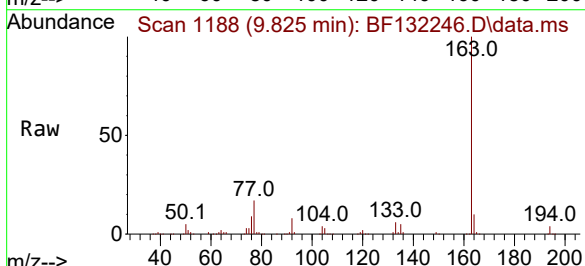
Tgt Ion:163 Resp: 213958

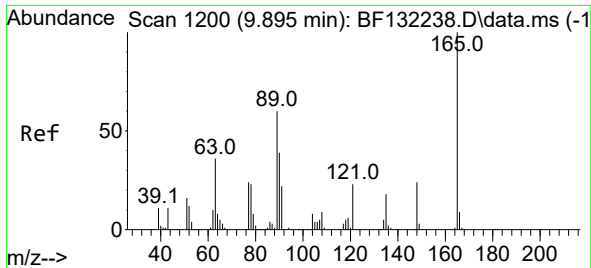
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 9.5 7.9 11.9

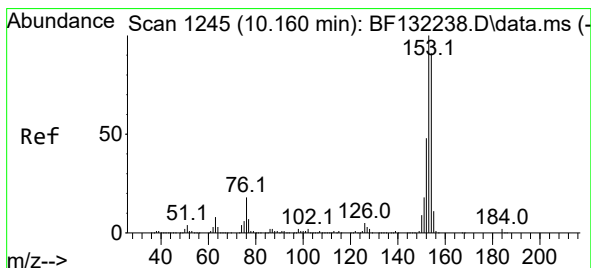
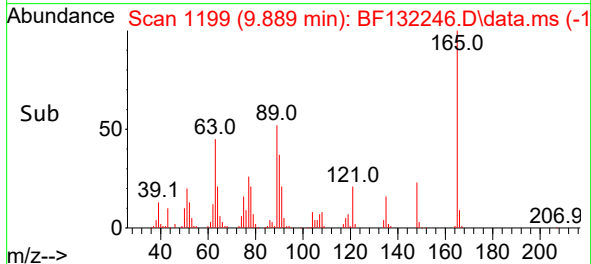
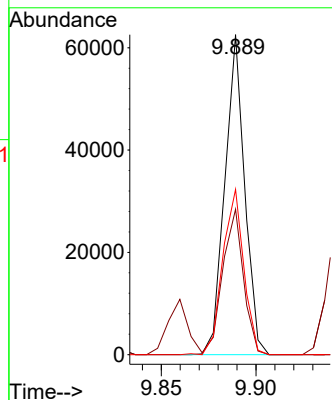
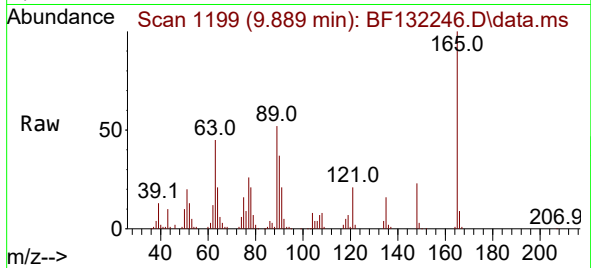




#51  
2,6-Dinitrotoluene  
Concen: 9.061 ng  
RT: 9.889 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

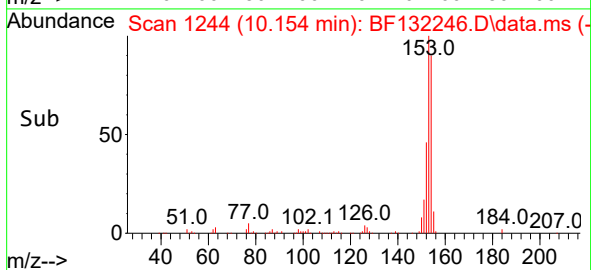
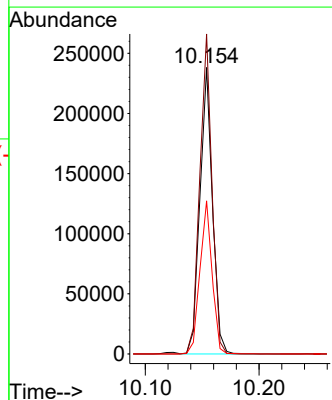
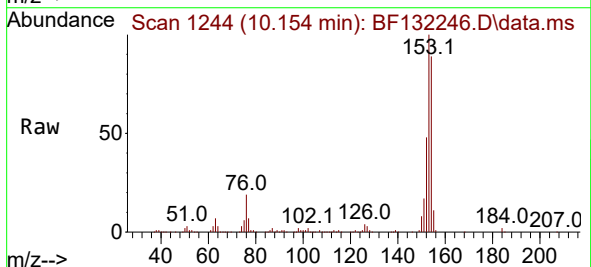
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

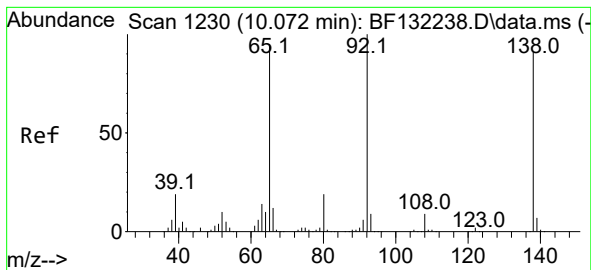
Tgt Ion:165 Resp: 45551  
Ion Ratio Lower Upper  
165 100  
63 45.4 41.5 62.3  
89 51.7 48.1 72.1



#52  
Acenaphthene  
Concen: 9.478 ng  
RT: 10.154 min Scan# 1244  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:154 Resp: 182975  
Ion Ratio Lower Upper  
154 100  
153 111.7 88.3 132.5  
152 53.5 42.7 64.1

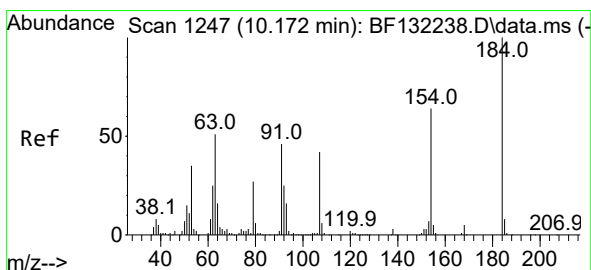
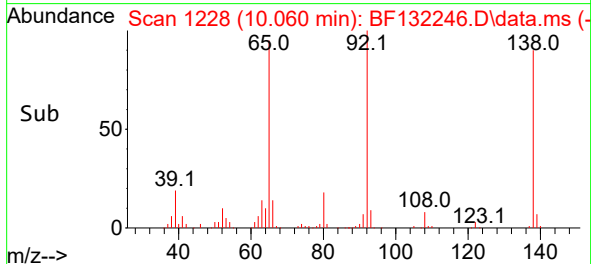
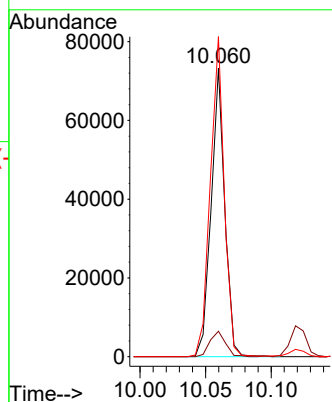
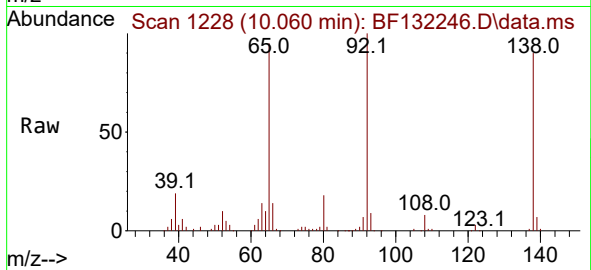




#53  
3-Nitroaniline  
Concen: 8.688 ng  
RT: 10.060 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

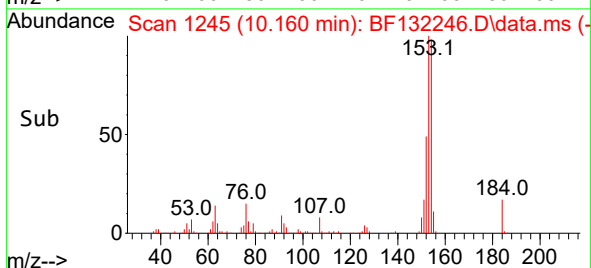
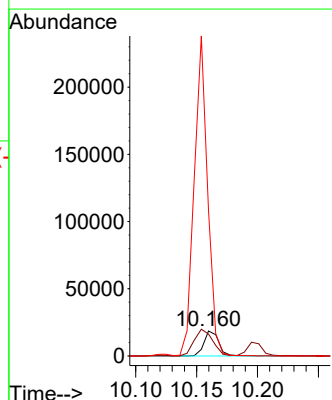
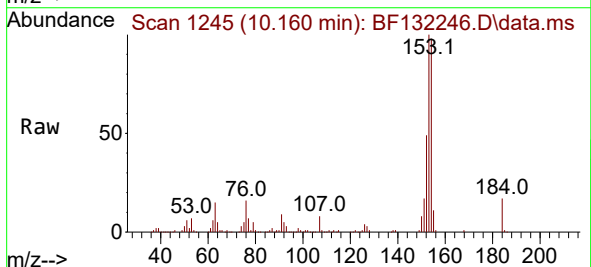
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

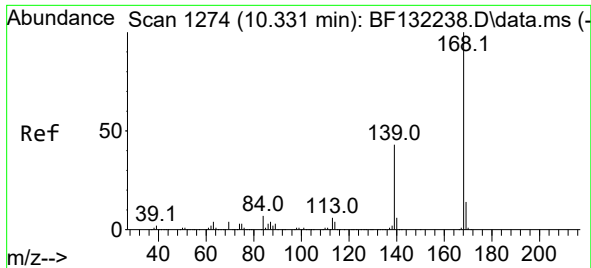
Tgt Ion:138 Resp: 52964  
Ion Ratio Lower Upper  
138 100  
108 8.8 7.6 11.4  
92 110.8 88.3 132.5



#54  
2,4-Dinitrophenol  
Concen: 9.420 ng  
RT: 10.160 min Scan# 1245  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:184 Resp: 15689  
Ion Ratio Lower Upper  
184 100  
63 88.0 41.6 62.4#  
154 581.6 57.0 85.6#

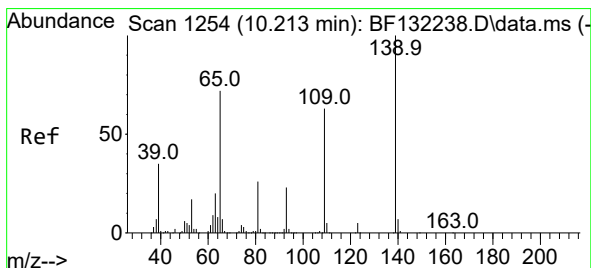
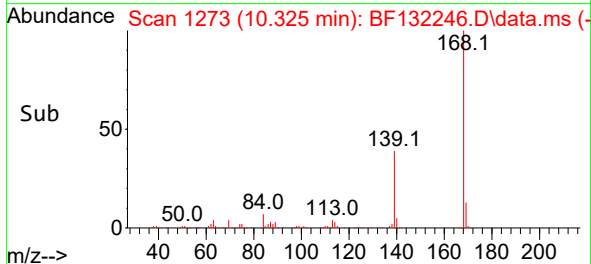
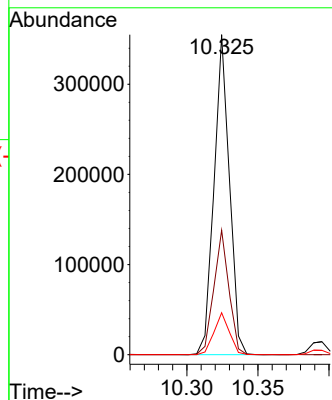
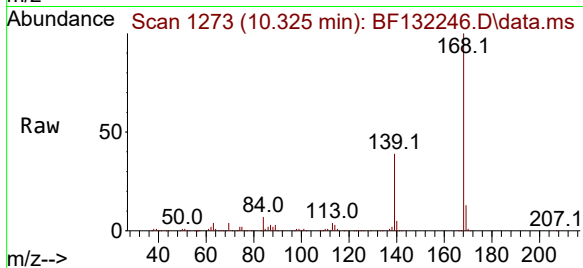




#55  
Dibenzenofuran  
Concen: 9.803 ng  
RT: 10.325 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

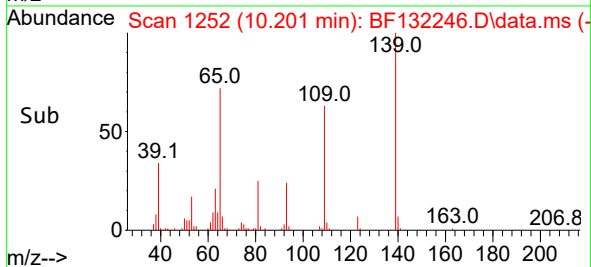
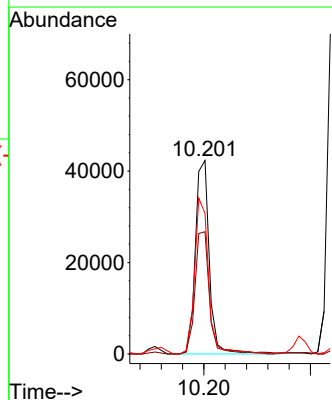
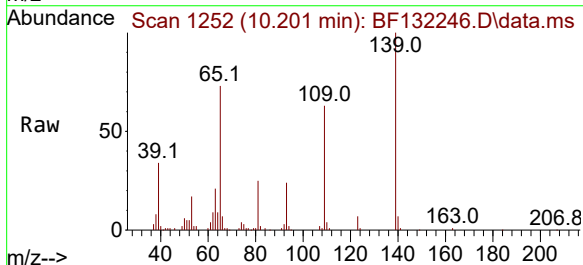
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

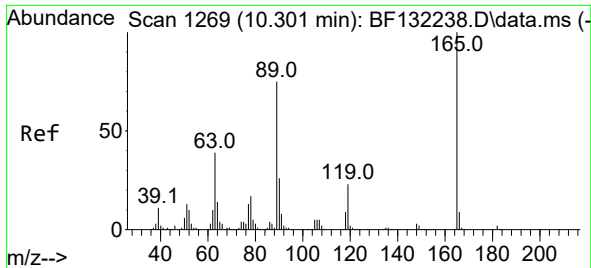
Tgt Ion:168 Resp: 265917  
Ion Ratio Lower Upper  
168 100  
139 38.9 34.2 51.4  
169 13.1 11.2 16.8



#56  
4-Nitrophenol  
Concen: 8.481 ng  
RT: 10.201 min Scan# 1252  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:139 Resp: 38909  
Ion Ratio Lower Upper  
139 100  
109 63.2 43.3 83.3  
65 72.7 52.3 92.3

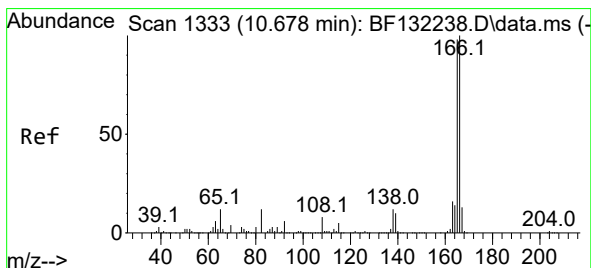
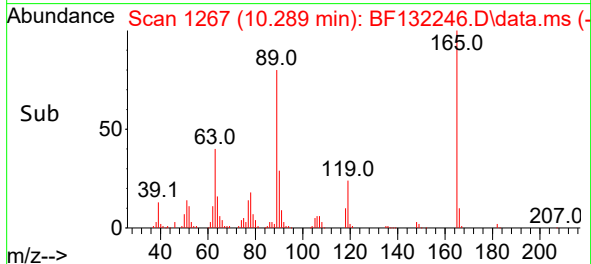
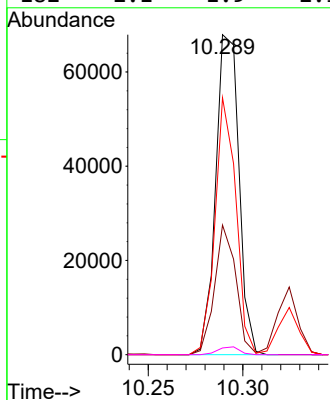
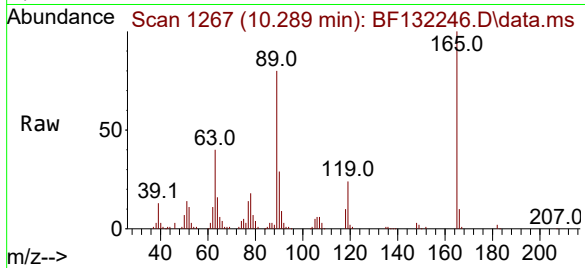




#57  
2,4-Dinitrotoluene  
Concen: 8.898 ng  
RT: 10.289 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

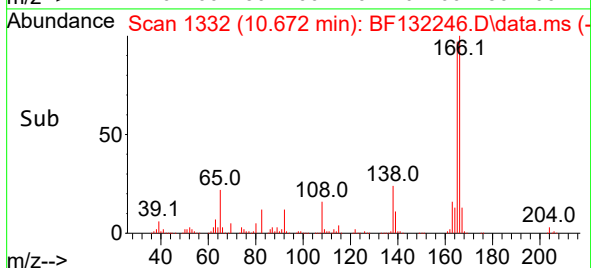
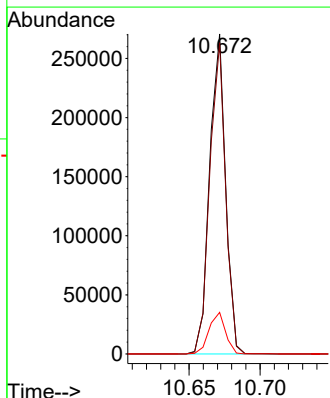
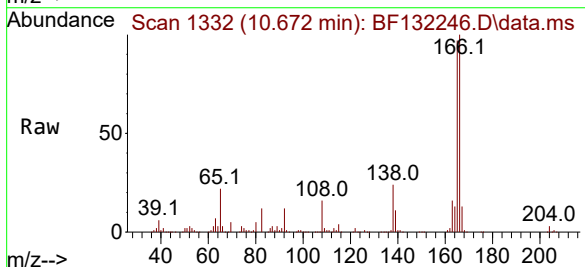
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

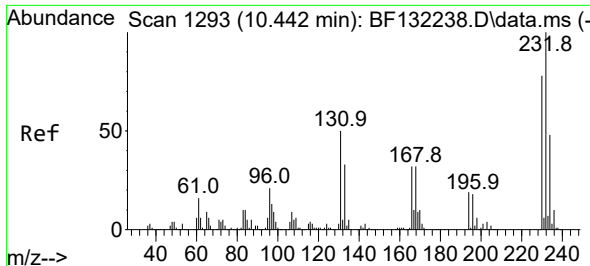
Tgt Ion:165 Resp: 58107  
Ion Ratio Lower Upper  
165 100  
63 40.5 30.9 46.3  
89 80.3 60.1 90.1  
182 2.1 1.9 2.9



#58  
Fluorene  
Concen: 10.092 ng  
RT: 10.672 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:166 Resp: 210691  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.0 117.0  
167 13.0 10.8 16.2

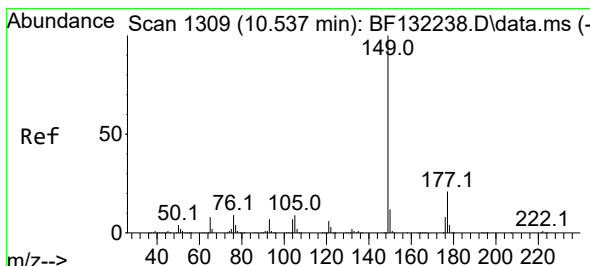
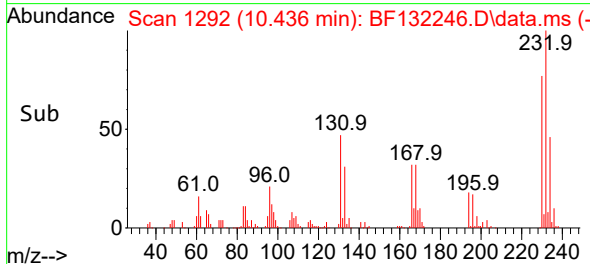
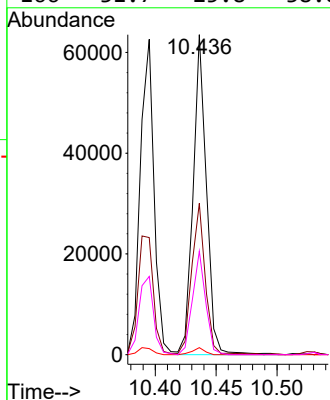
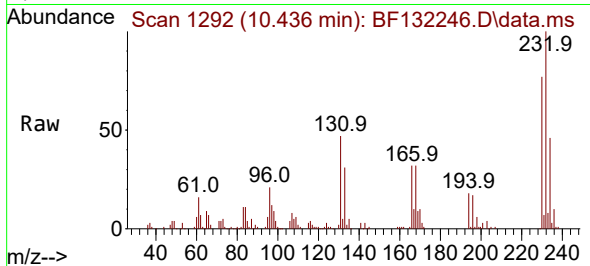




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 8.920 ng  
RT: 10.436 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

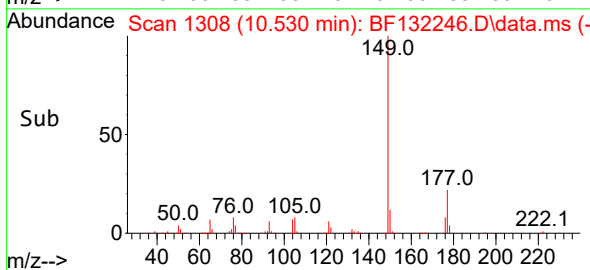
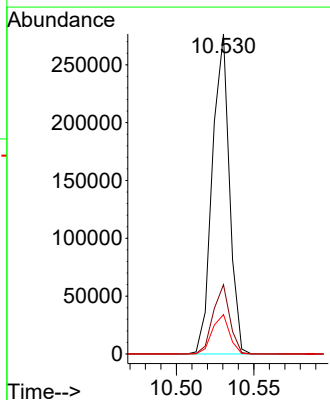
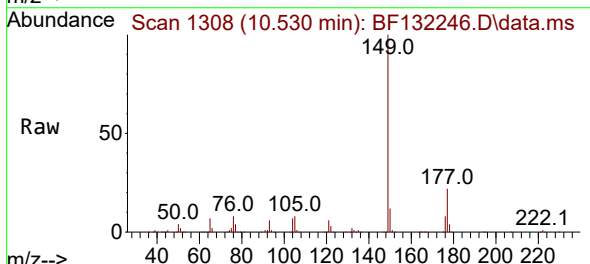
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

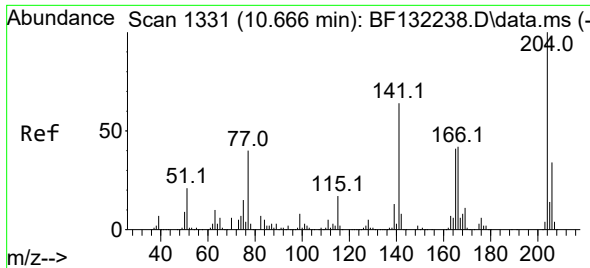
Tgt Ion:232 Resp: 48449  
Ion Ratio Lower Upper  
232 100  
131 48.2 40.6 61.0  
130 2.1 1.9 2.9  
166 31.7 25.8 38.8



#60  
Diethylphthalate  
Concen: 9.481 ng  
RT: 10.530 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:149 Resp: 212303  
Ion Ratio Lower Upper  
149 100  
177 21.6 17.1 25.7  
150 12.3 9.9 14.9

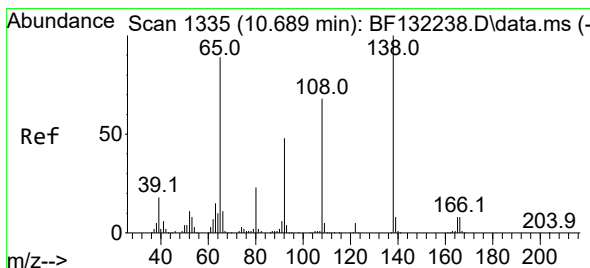
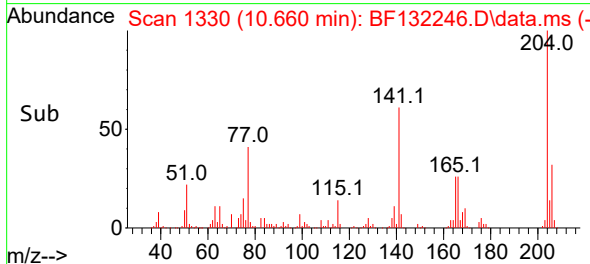
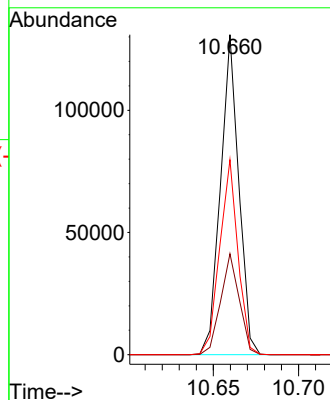
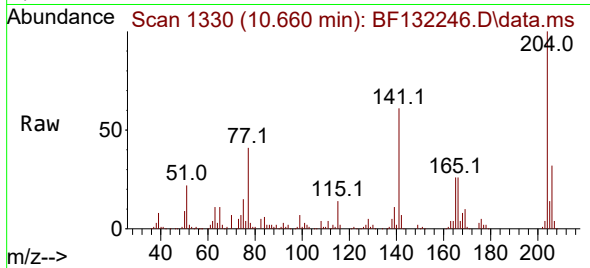




#61  
4-Chlorophenyl-phenylether  
Concen: 9.865 ng  
RT: 10.660 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

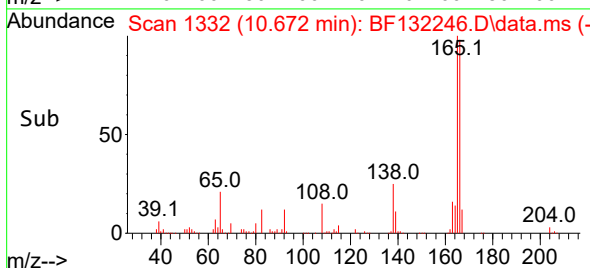
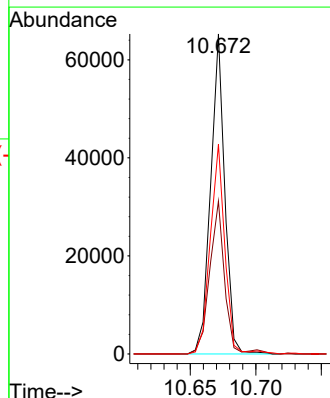
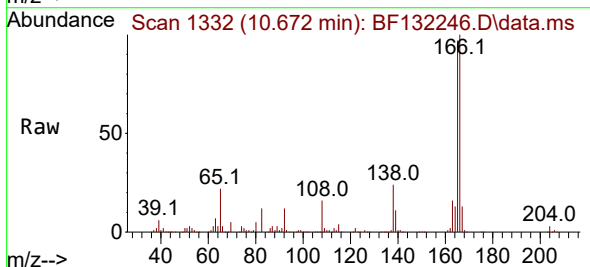
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

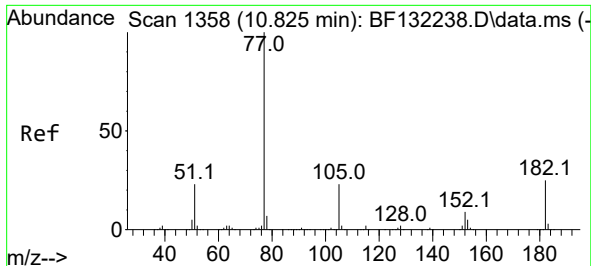
Tgt Ion:204 Resp: 97735  
Ion Ratio Lower Upper  
204 100  
206 31.6 26.8 40.2  
141 61.0 51.4 77.0



#62  
4-Nitroaniline  
Concen: 8.385 ng  
RT: 10.672 min Scan# 1332  
Delta R.T. -0.018 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:138 Resp: 49020  
Ion Ratio Lower Upper  
138 100  
92 47.8 27.7 67.7  
108 65.5 48.5 88.5

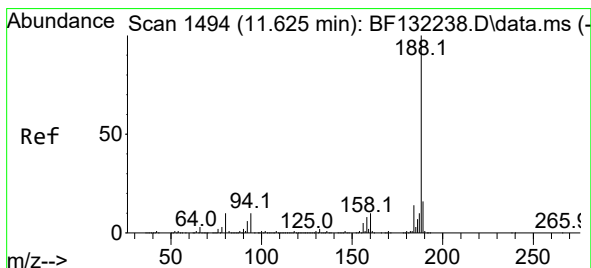
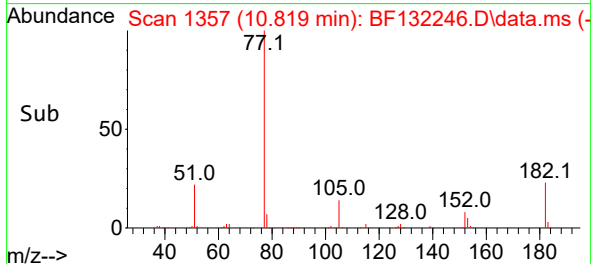
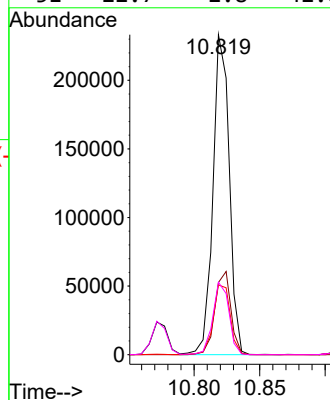
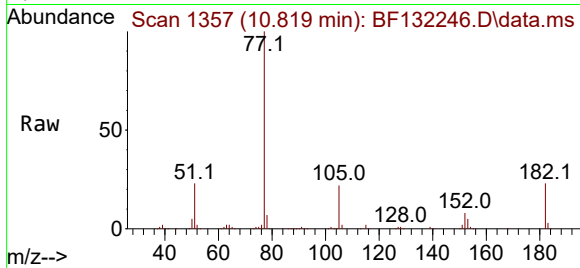




#63  
Azobenzene  
Concen: 9.251 ng  
RT: 10.819 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

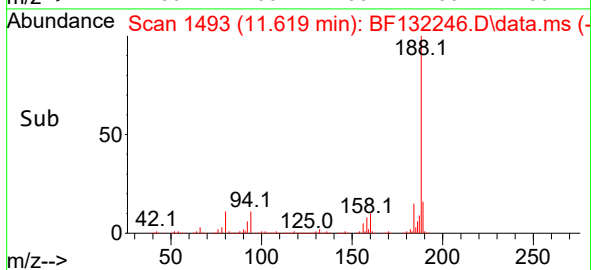
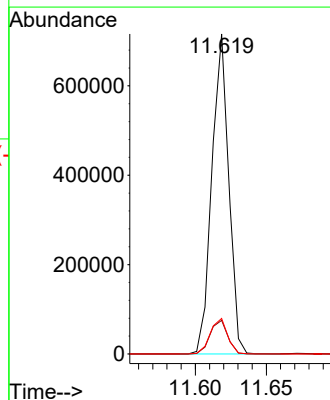
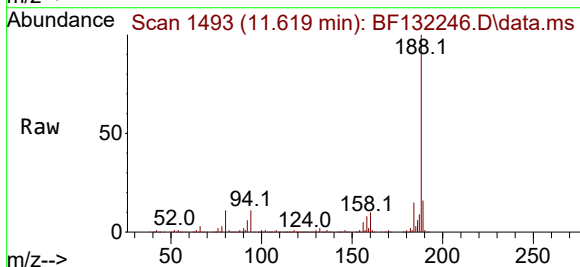
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

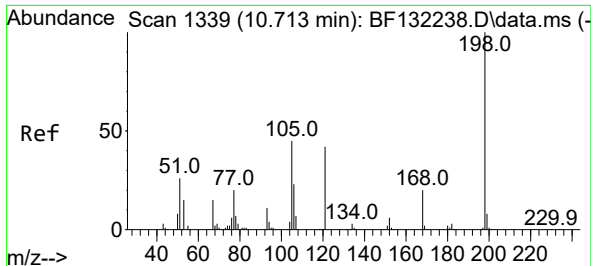
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 201787 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 22.5    | 4.5 44.5     |
| 105 21.8    | 2.7 42.7     |
| 51 22.7     | 2.8 42.8     |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.619 min Scan# 1493  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 590618 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 10.5     | 8.2 12.2     |
| 80 11.1     | 8.3 12.5     |

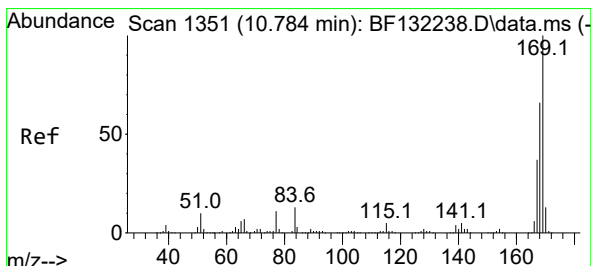
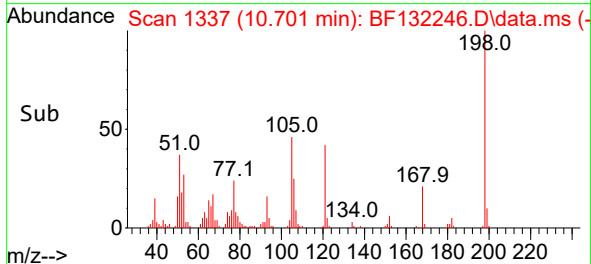
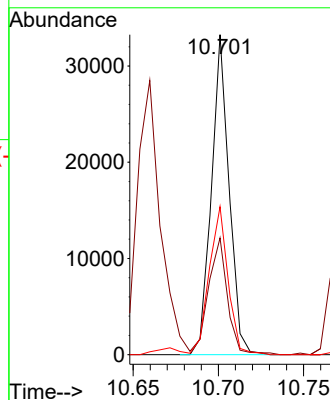
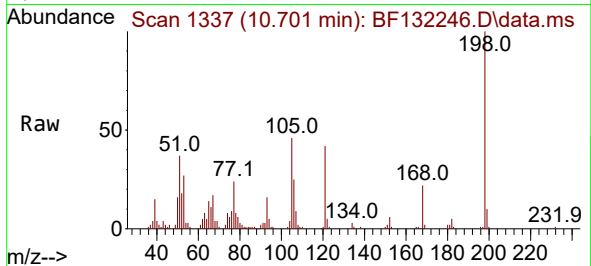




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.144 ng  
RT: 10.701 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

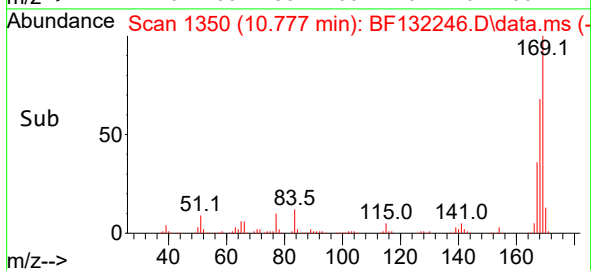
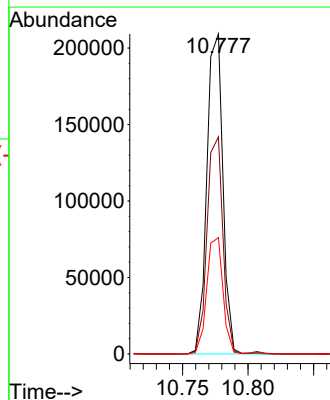
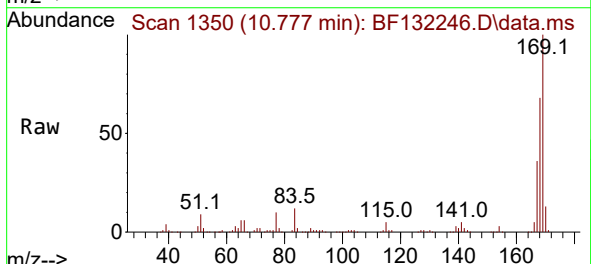
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

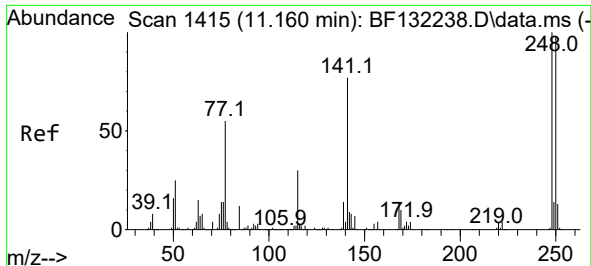
Tgt Ion:198 Resp: 23946  
Ion Ratio Lower Upper  
198 100  
51 36.5 13.1 53.1  
105 46.3 26.0 66.0



#66  
n-Nitrosodiphenylamine  
Concen: 9.643 ng  
RT: 10.777 min Scan# 1350  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:169 Resp: 178344  
Ion Ratio Lower Upper  
169 100  
168 67.8 52.6 79.0  
167 36.4 29.5 44.3





#67

4-Bromophenyl-phenylether

Concen: 9.465 ng

RT: 11.154 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

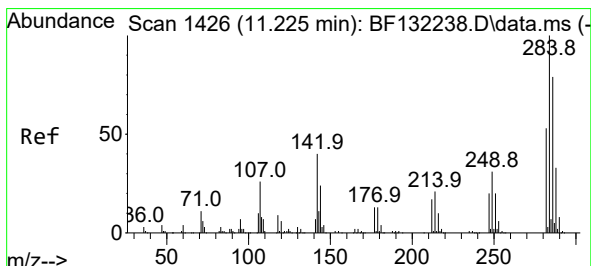
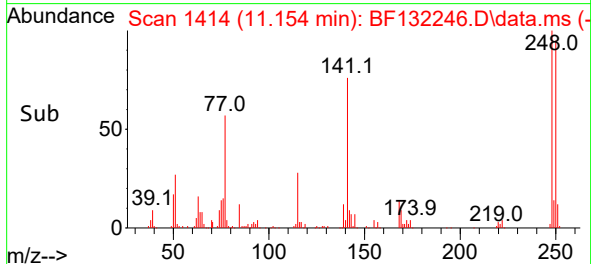
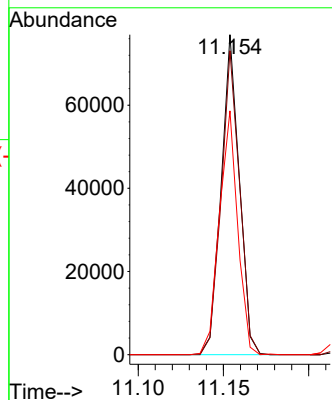
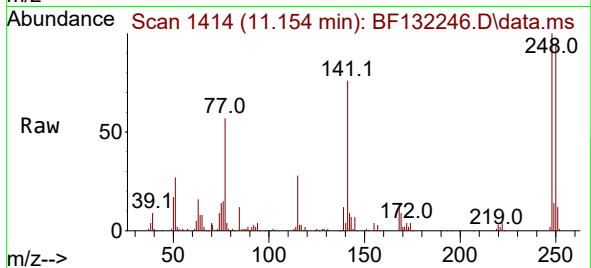
Tgt Ion:248 Resp: 57242

Ion Ratio Lower Upper

248 100

250 95.0 78.6 117.8

141 76.2 61.6 92.4



#68

Hexachlorobenzene

Concen: 10.145 ng

RT: 11.219 min Scan# 1425

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

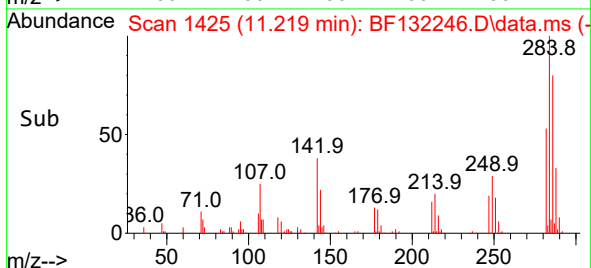
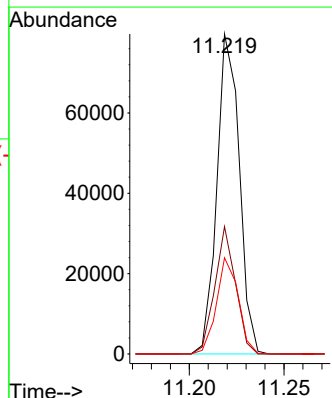
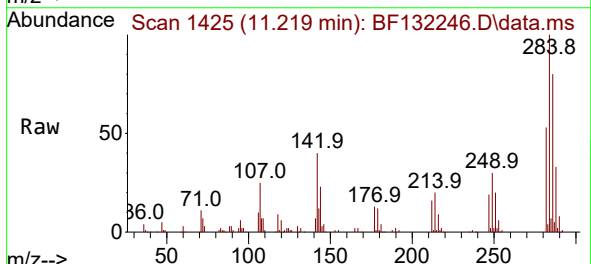
Tgt Ion:284 Resp: 65582

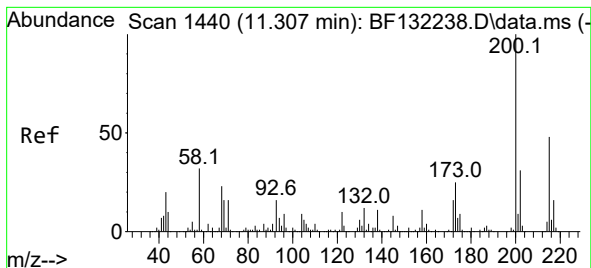
Ion Ratio Lower Upper

284 100

142 39.8 32.2 48.4

249 30.0 25.0 37.6





#69

Atrazine

Concen: 10.386 ng

RT: 11.295 min Scan# 1438

Delta R.T. -0.012 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

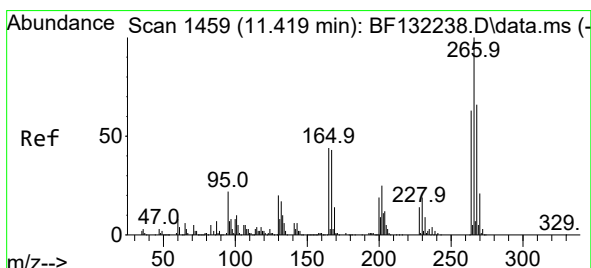
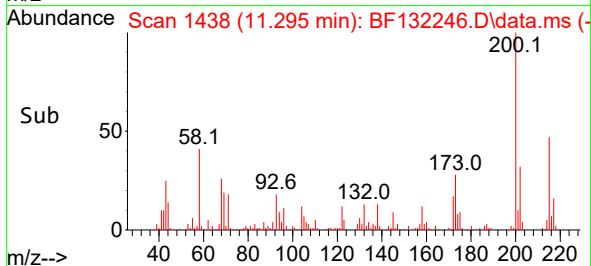
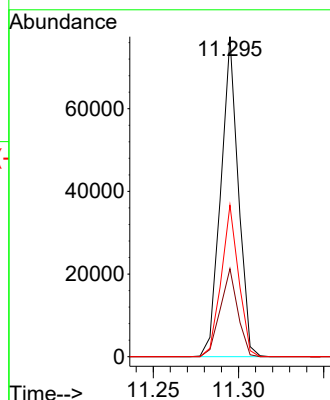
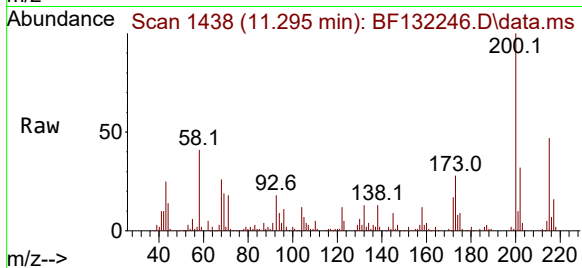
Tgt Ion:200 Resp: 55250

Ion Ratio Lower Upper

200 100

173 27.5 5.1 45.1

215 47.3 27.6 67.6



#70

Pentachlorophenol

Concen: 6.698 ng

RT: 11.413 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

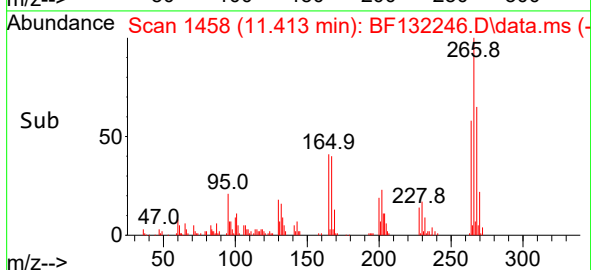
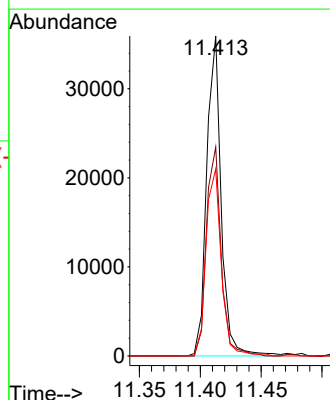
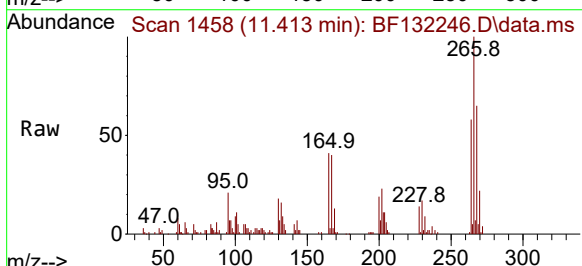
Tgt Ion:266 Resp: 29747

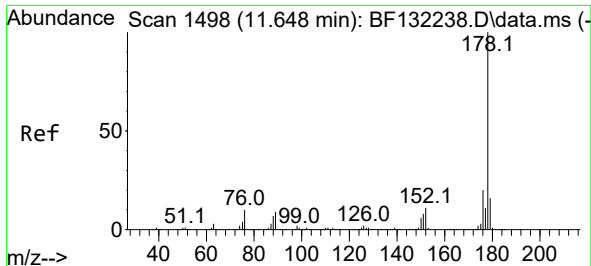
Ion Ratio Lower Upper

266 100

268 65.3 53.0 79.4

264 58.5 50.5 75.7

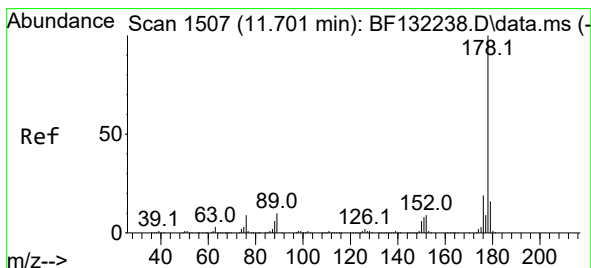
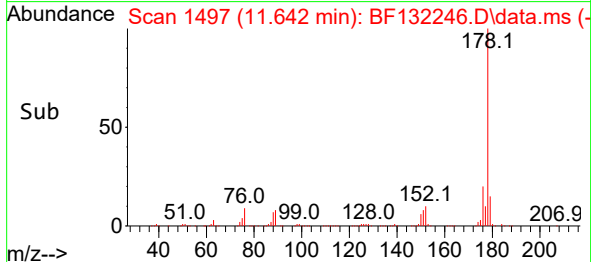
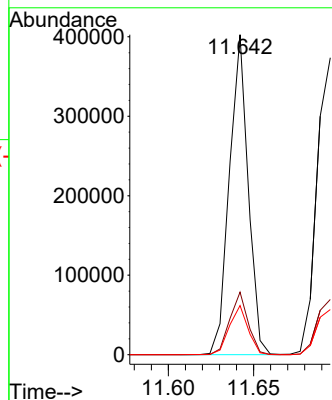
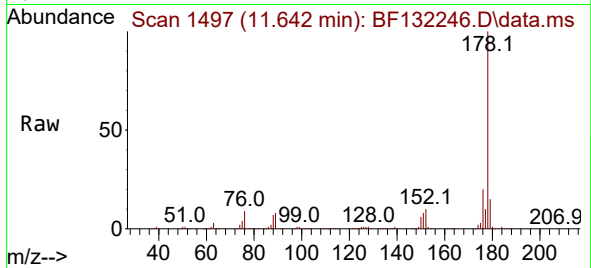




#71  
Phenanthrene  
Concen: 10.018 ng  
RT: 11.642 min Scan# 1498  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

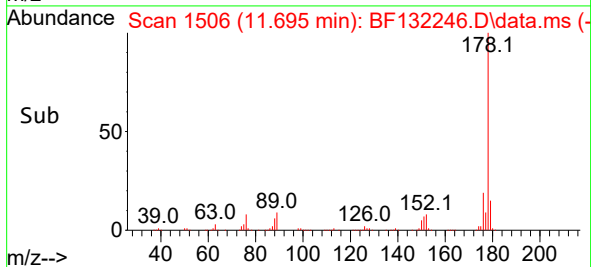
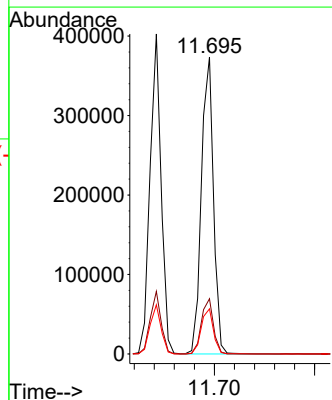
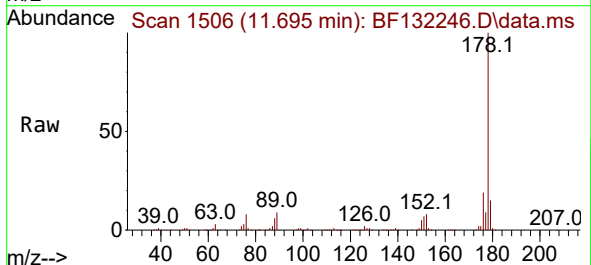
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

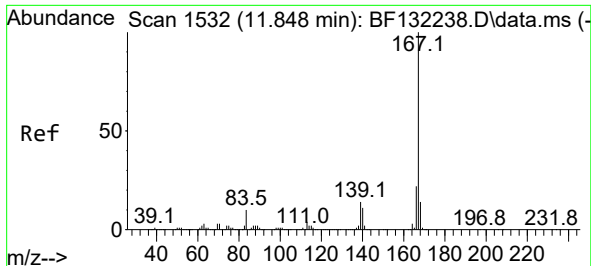
Tgt Ion:178 Resp: 309186  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.2 24.4  
179 15.4 12.8 19.2



#72  
Anthracene  
Concen: 9.985 ng  
RT: 11.695 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:178 Resp: 313622  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.2  
179 15.2 12.8 19.2

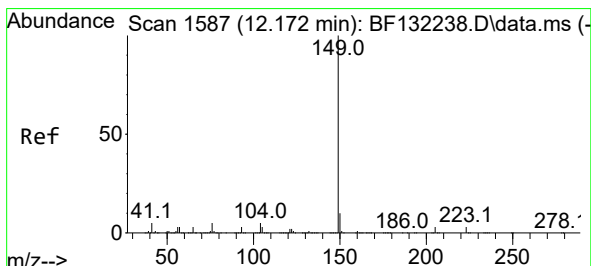
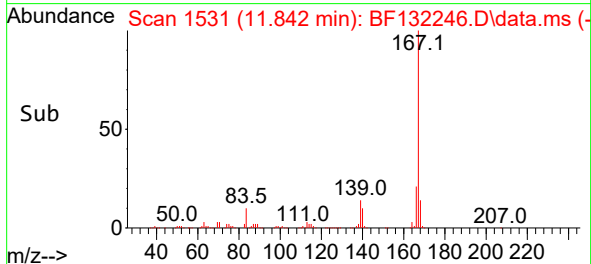
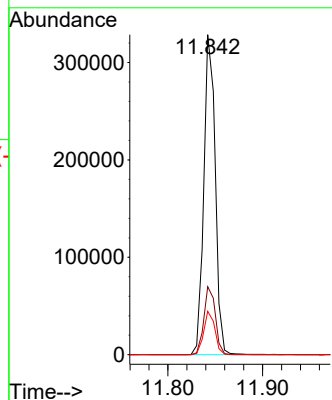
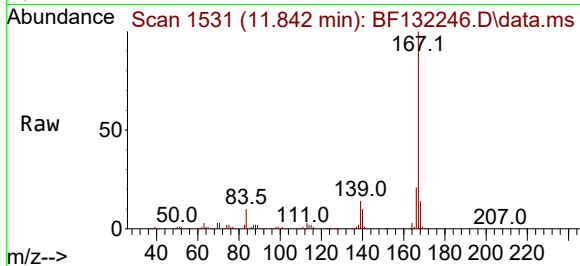




#73  
 Carbazole  
 Concen: 9.757 ng  
 RT: 11.842 min Scan# 1532  
 Delta R.T. -0.006 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

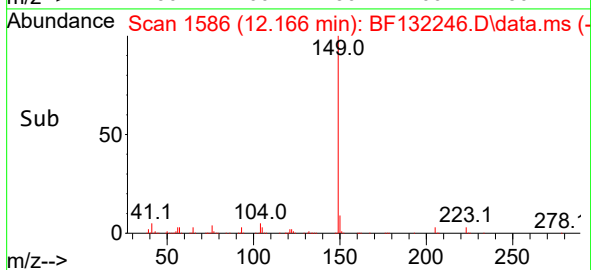
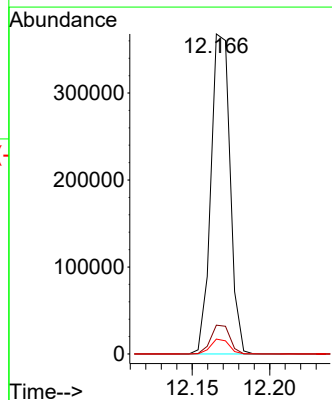
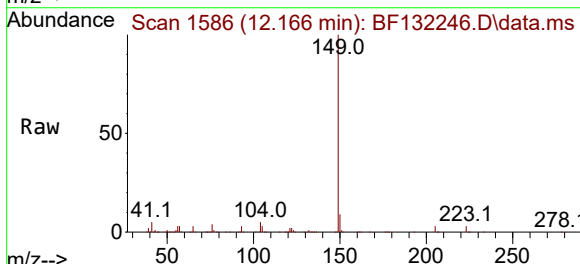
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

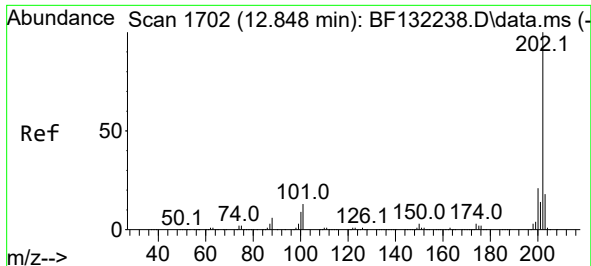
Tgt Ion:167 Resp: 274776  
 Ion Ratio Lower Upper  
 167 100  
 166 21.3 17.4 26.0  
 139 13.6 11.4 17.2



#74  
 Di-n-butylphthalate  
 Concen: 9.521 ng  
 RT: 12.166 min Scan# 1586  
 Delta R.T. -0.006 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

Tgt Ion:149 Resp: 316994  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.8 11.8  
 104 4.7 4.3 6.5

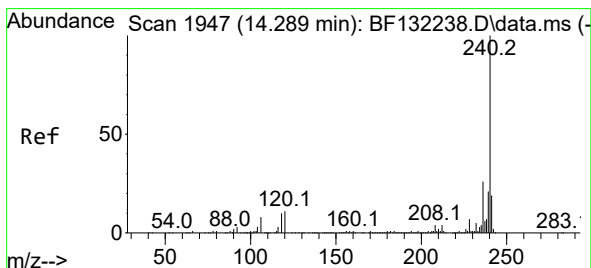
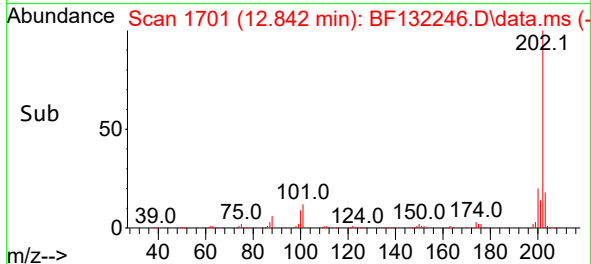
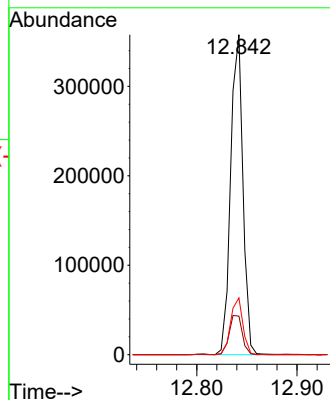
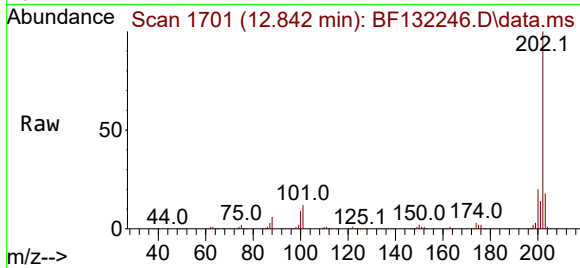




#75  
Fluoranthene  
Concen: 9.657 ng  
RT: 12.842 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

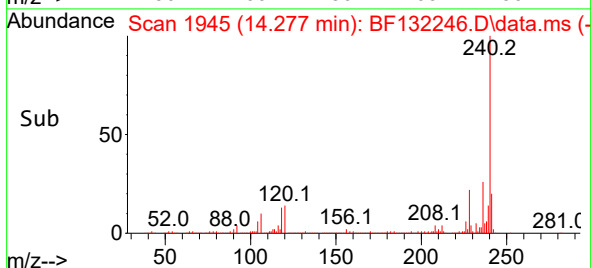
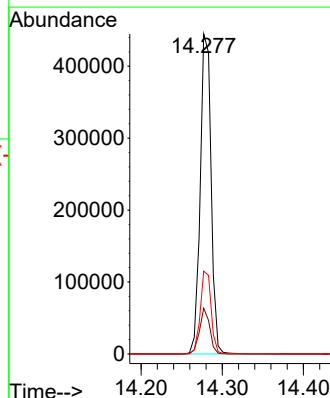
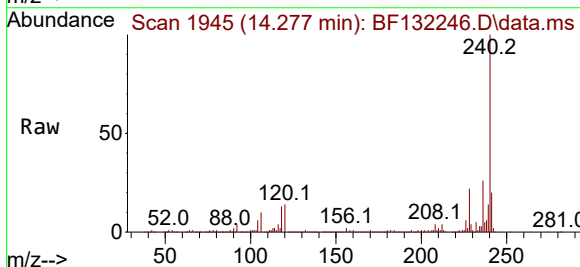
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

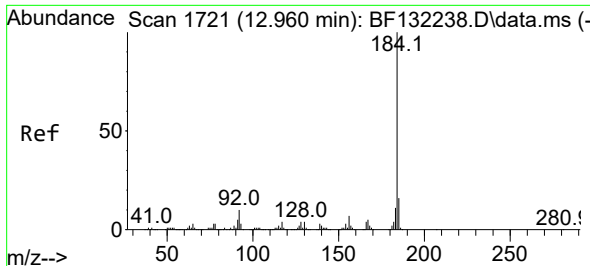
Tgt Ion:202 Resp: 304142  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 32.7  
203 17.7 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.277 min Scan# 1945  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:240 Resp: 415654  
Ion Ratio Lower Upper  
240 100  
120 14.3 8.8 13.2#  
236 25.9 21.0 31.6

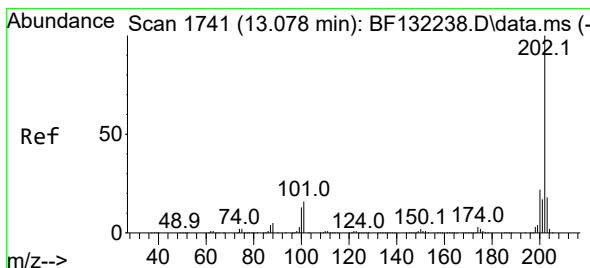
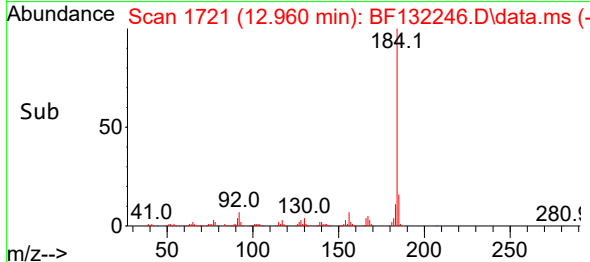
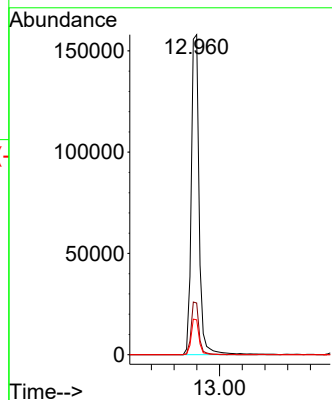
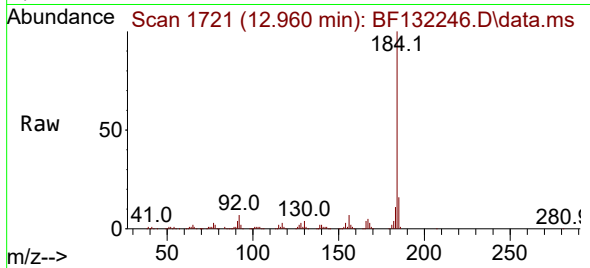




#77  
Benzidine  
Concen: 10.411 ng  
RT: 12.960 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

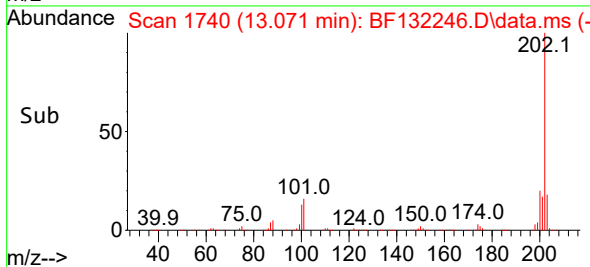
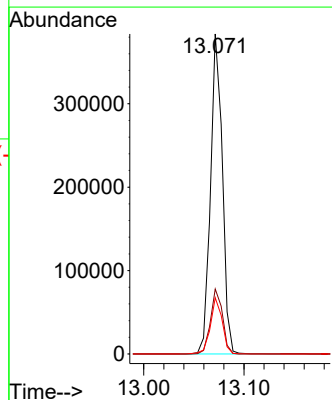
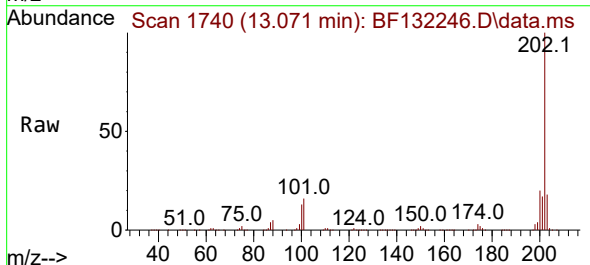
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

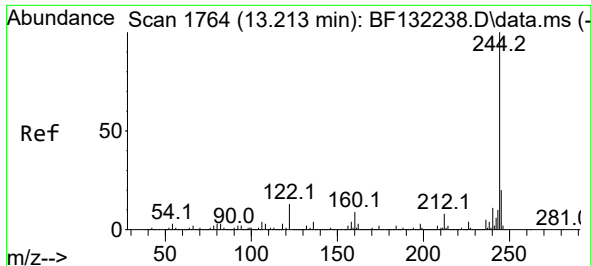
Tgt Ion:184 Resp: 151291  
Ion Ratio Lower Upper  
184 100  
185 16.2 12.6 18.8  
183 10.9 8.9 13.3



#78  
Pyrene  
Concen: 9.463 ng  
RT: 13.071 min Scan# 1740  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:202 Resp: 316353  
Ion Ratio Lower Upper  
202 100  
200 20.3 17.3 25.9  
203 17.6 14.4 21.6

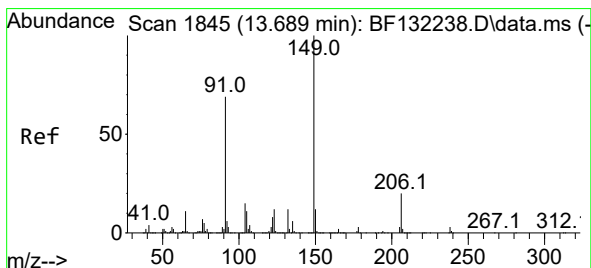
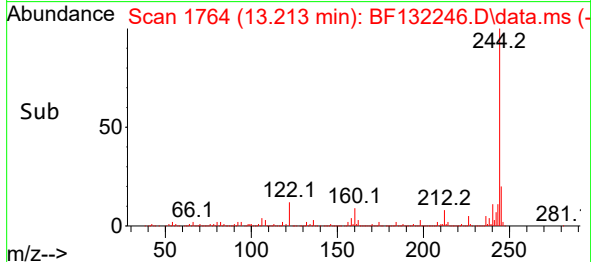
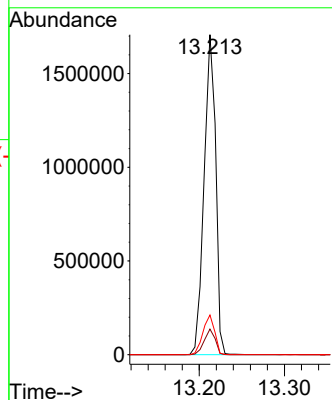
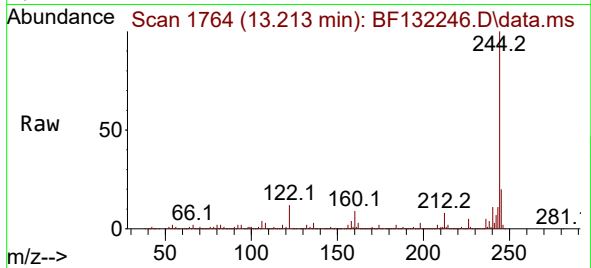




#79  
 Terphenyl-d14  
 Concen: 74.956 ng  
 RT: 13.213 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

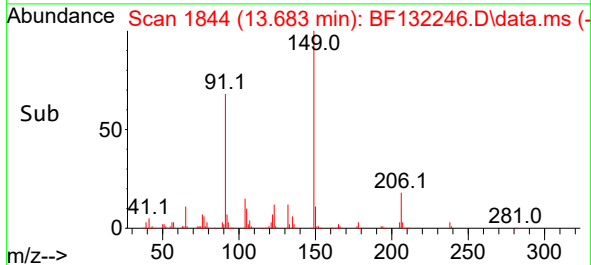
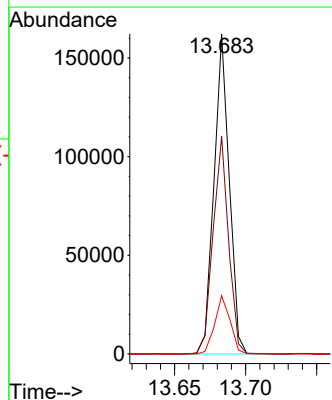
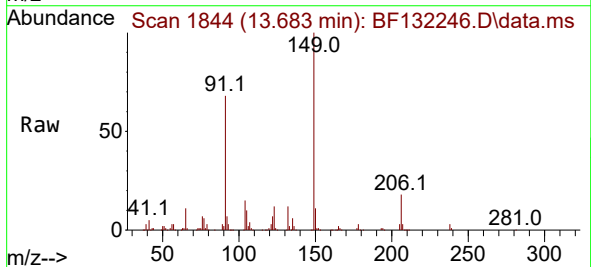
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

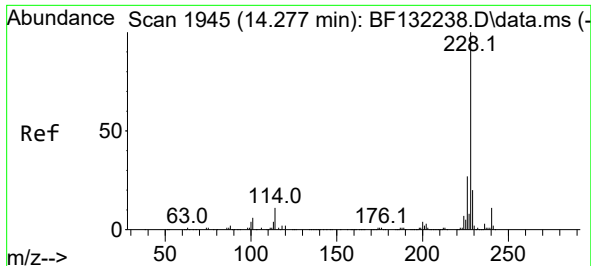
Tgt Ion:244 Resp: 1610615  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.4 9.6  
 122 12.4 10.5 15.7



#80  
 Butylbenzylphthalate  
 Concen: 8.233 ng  
 RT: 13.683 min Scan# 1844  
 Delta R.T. -0.006 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

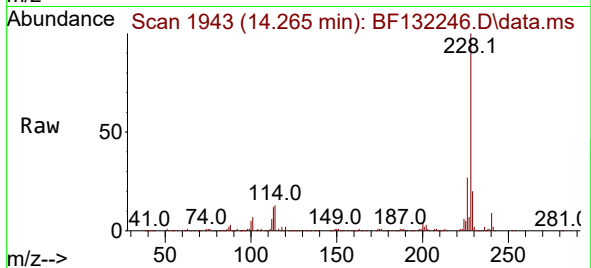
Tgt Ion:149 Resp: 121608  
 Ion Ratio Lower Upper  
 149 100  
 91 68.1 55.0 82.6  
 206 18.2 15.9 23.9



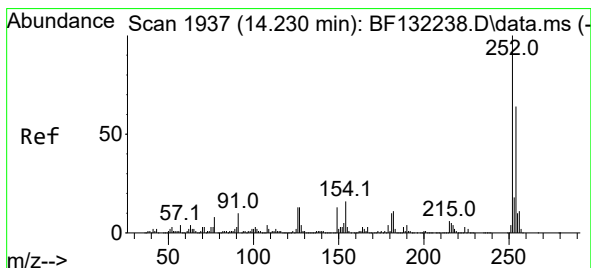
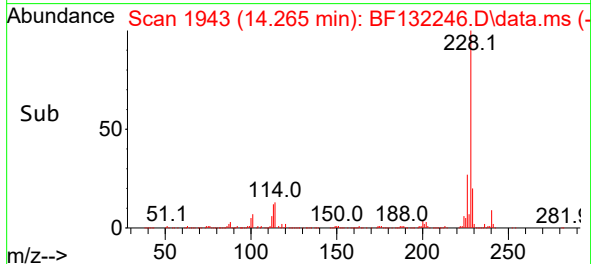
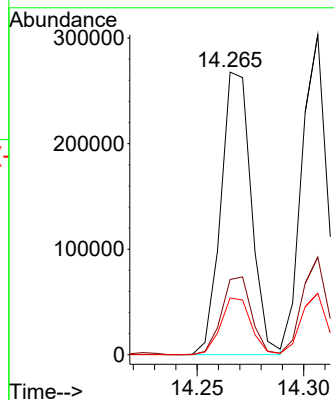


#81  
Benzo(a)anthracene  
Concen: 9.173 ng  
RT: 14.265 min Scan# 1945  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

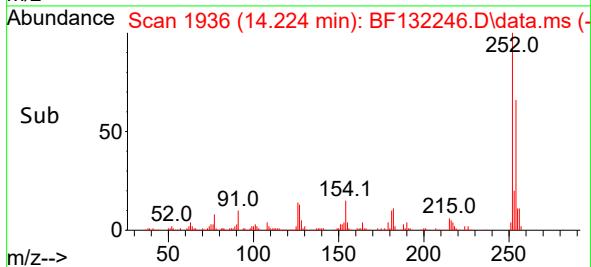
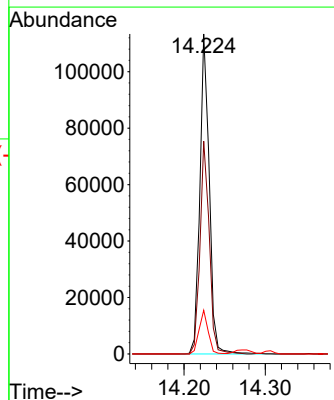
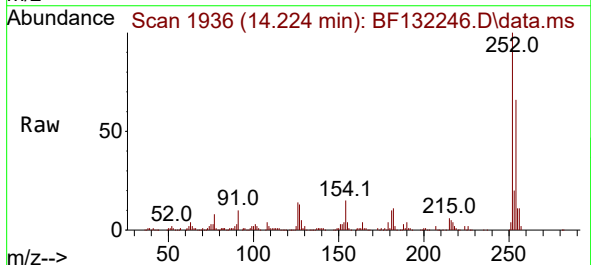


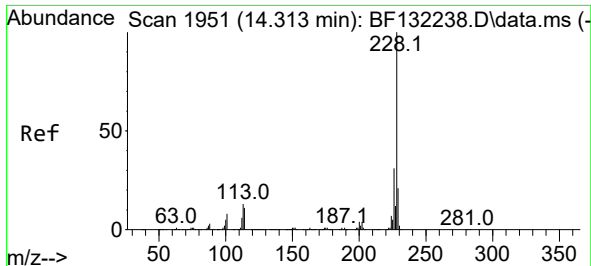
Tgt Ion:228 Resp: 266660  
Ion Ratio Lower Upper  
228 100  
226 26.6 22.0 33.0  
229 20.0 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 9.885 ng  
RT: 14.224 min Scan# 1936  
Delta R.T. -0.006 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:252 Resp: 91533  
Ion Ratio Lower Upper  
252 100  
254 66.5 51.6 77.4  
126 13.6 10.5 15.7





#83

Chrysene

Concen: 9.257 ng

RT: 14.307 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

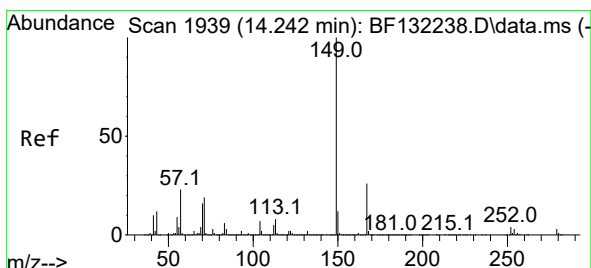
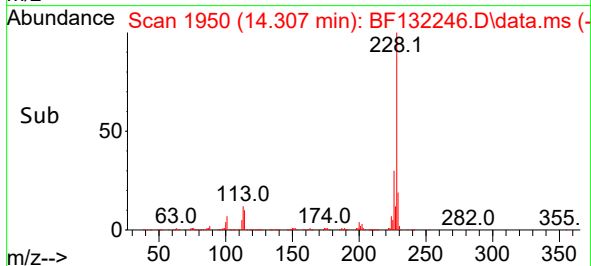
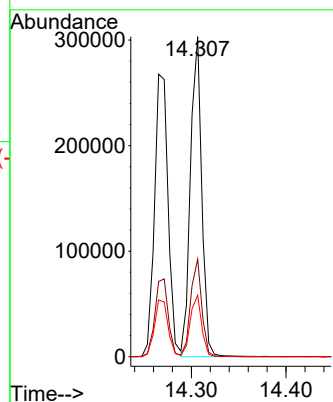
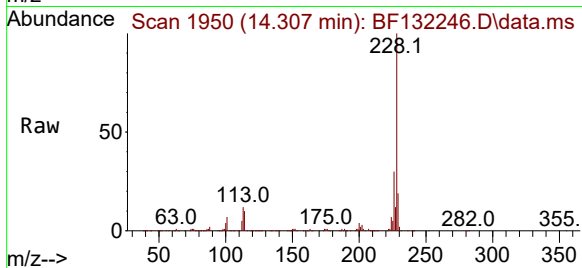
Tgt Ion:228 Resp: 251989

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

229 19.2 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.540 ng

RT: 14.242 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

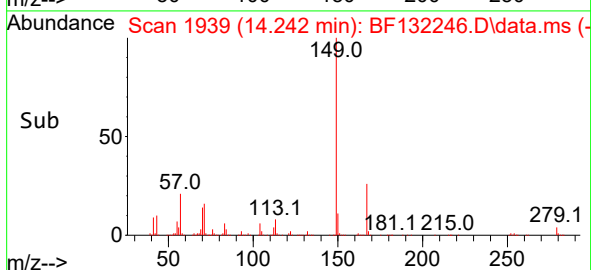
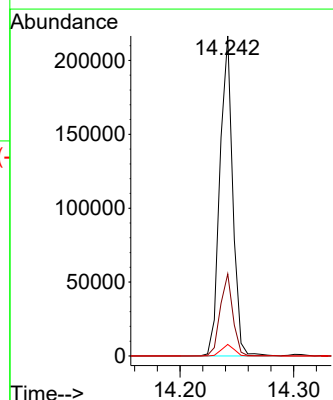
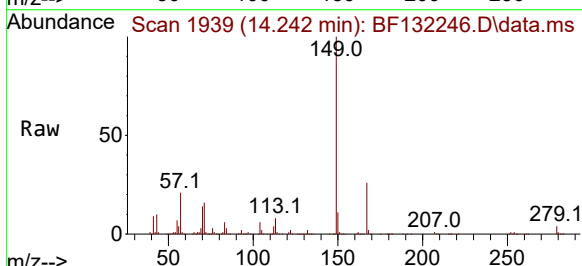
Tgt Ion:149 Resp: 170491

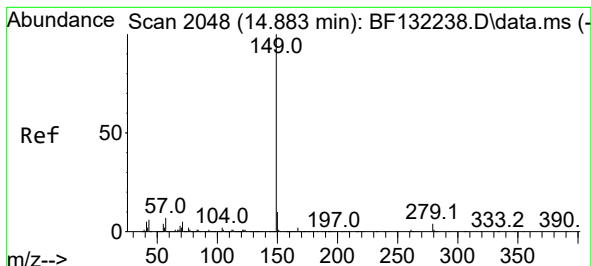
Ion Ratio Lower Upper

149 100

167 25.6 20.7 31.1

279 3.6 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 8.146 ng

RT: 14.877 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

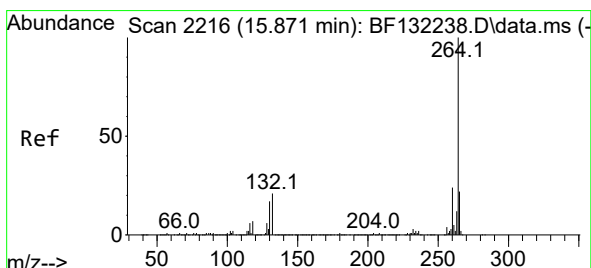
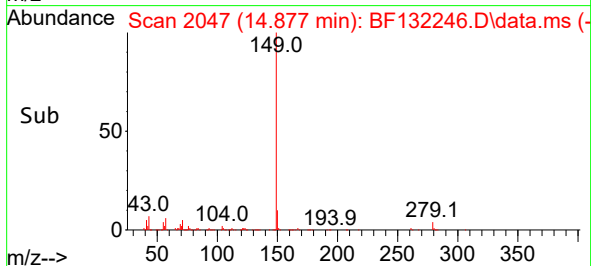
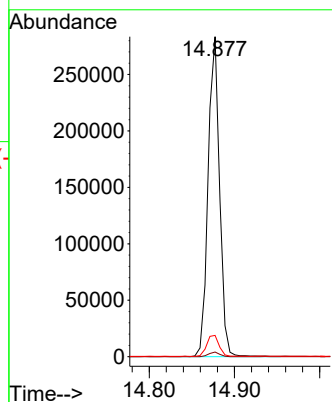
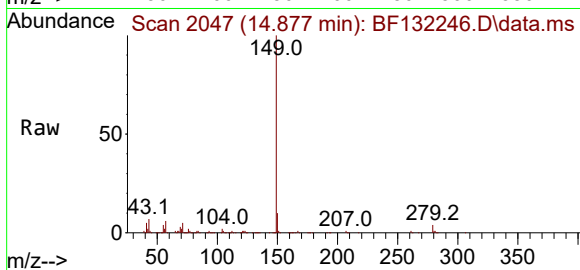
Tgt Ion:149 Resp: 265274

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 7.1 5.9 8.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

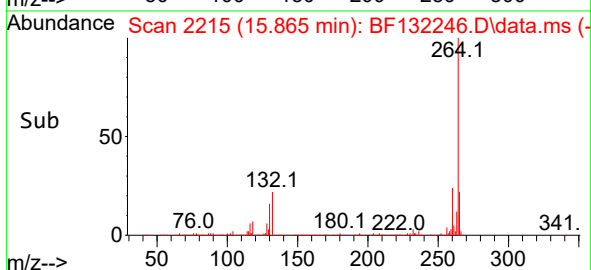
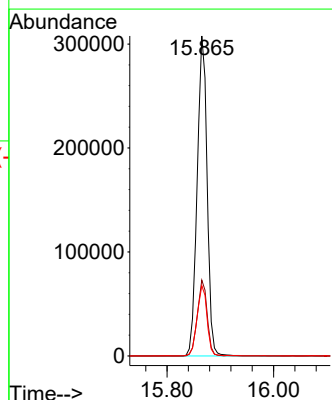
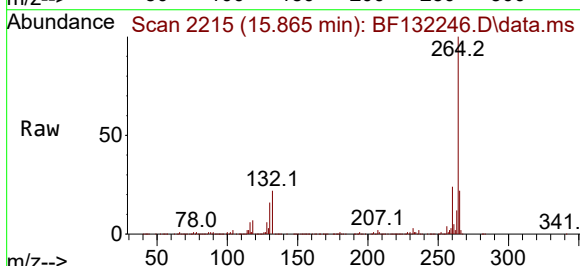
Tgt Ion:264 Resp: 398859

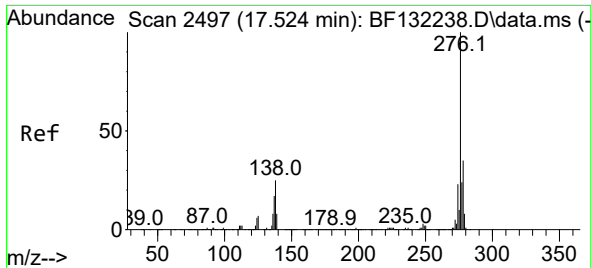
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 21.9 17.4 26.2

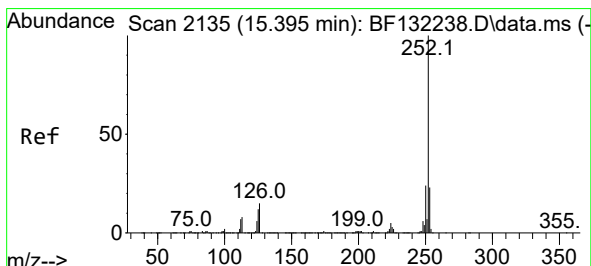
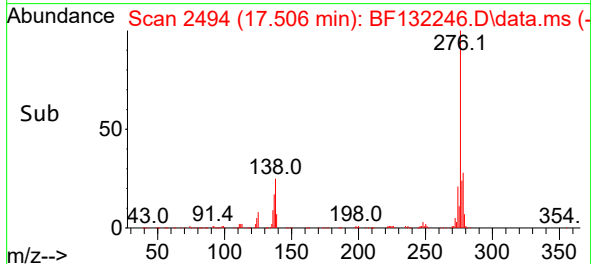
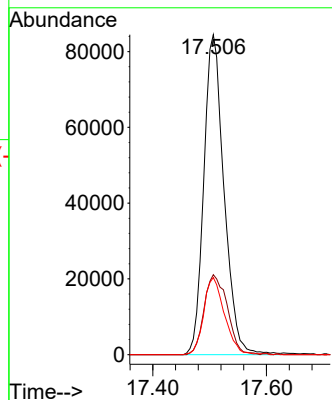
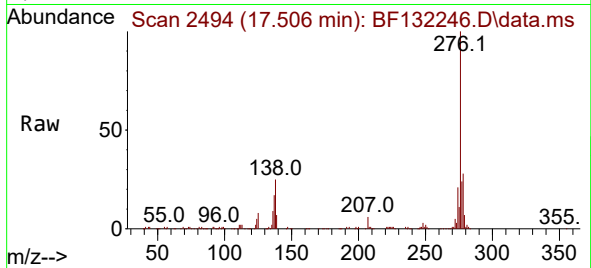




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 7.874 ng  
 RT: 17.506 min Scan# 2494  
 Delta R.T. -0.018 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

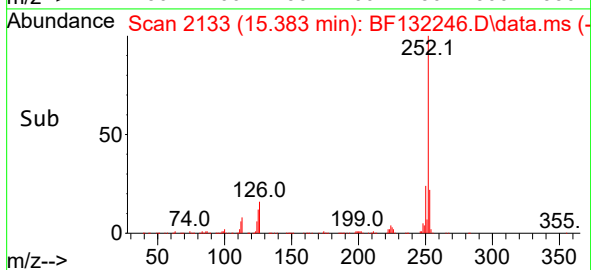
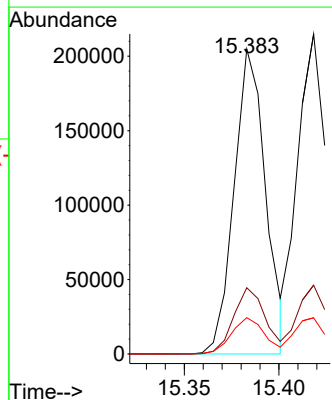
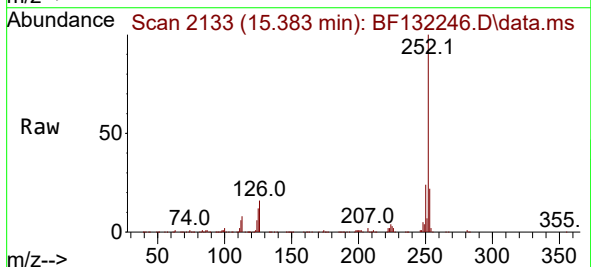
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2022

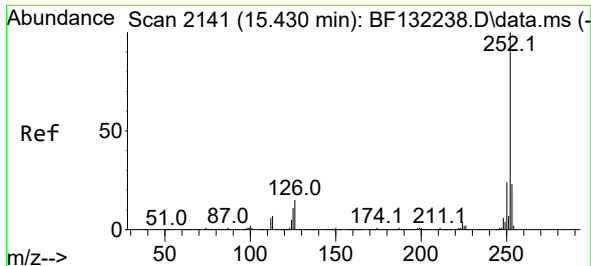
Tgt Ion:276 Resp: 208678  
 Ion Ratio Lower Upper  
 276 100  
 138 28.7 23.3 34.9  
 277 24.7 20.0 30.0



#88  
 Benzo(b)fluoranthene  
 Concen: 9.338 ng  
 RT: 15.383 min Scan# 2133  
 Delta R.T. -0.012 min  
 Lab File: BF132246.D  
 Acq: 31 Jan 2023 23:57

Tgt Ion:252 Resp: 236741  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 18.1 27.1  
 125 11.9 9.6 14.4

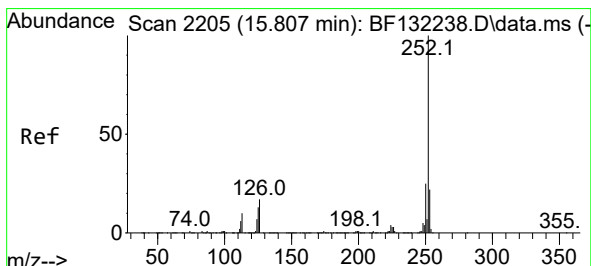
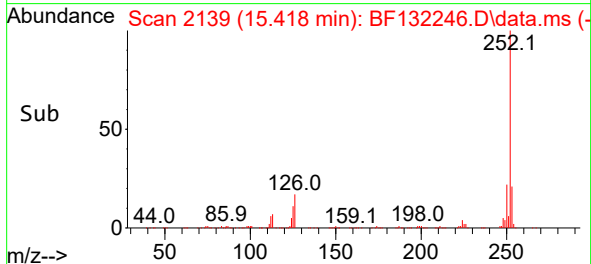
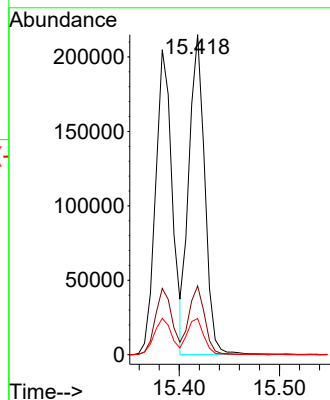
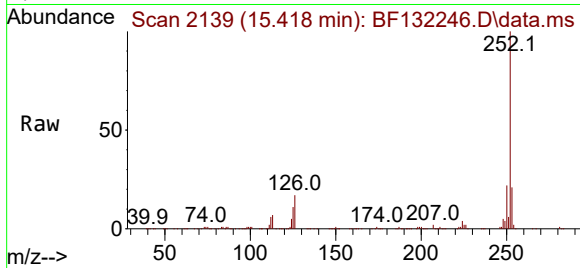




#89  
Benzo(k)fluoranthene  
Concen: 9.675 ng  
RT: 15.418 min Scan# 2141  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

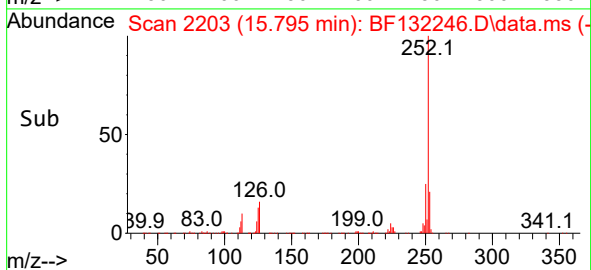
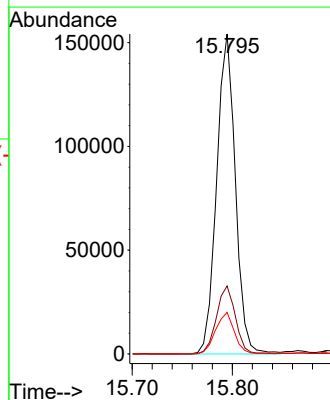
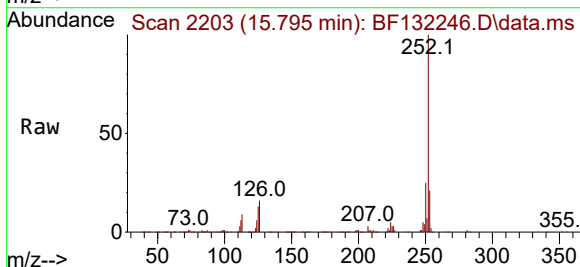
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

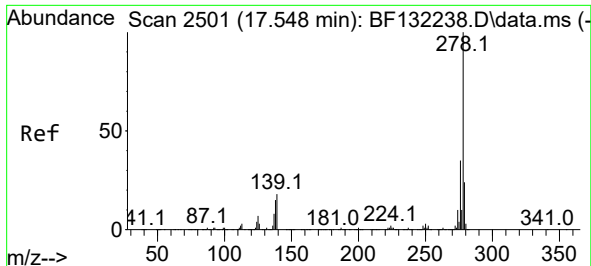
Tgt Ion:252 Resp: 234140  
Ion Ratio Lower Upper  
252 100  
253 21.5 18.2 27.2  
125 11.3 9.0 13.6



#90  
Benzo(a)pyrene  
Concen: 8.449 ng  
RT: 15.795 min Scan# 2203  
Delta R.T. -0.012 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:252 Resp: 199464  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.8 26.8  
125 13.0 10.2 15.4

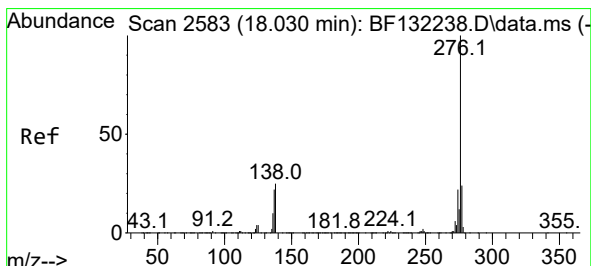
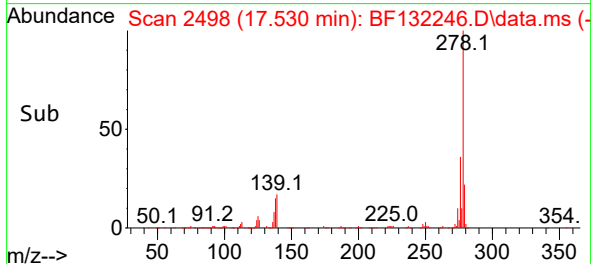
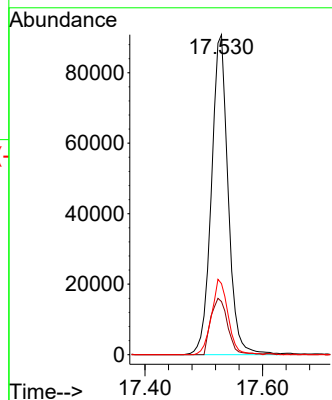
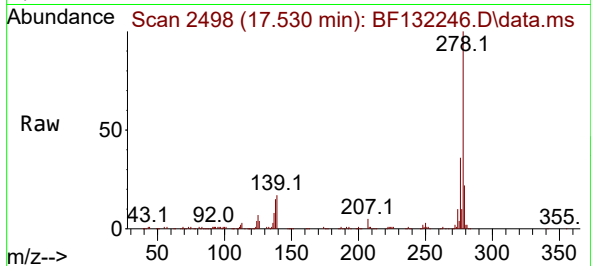




#91  
Dibenzo(a,h)anthracene  
Concen: 8.398 ng  
RT: 17.530 min Scan# 2498  
Delta R.T. -0.018 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT3-2022

Tgt Ion:278 Resp: 178945  
Ion Ratio Lower Upper  
278 100  
139 16.6 14.2 21.2  
279 22.2 19.6 29.4



#92  
Benzo(g,h,i)perylene  
Concen: 8.041 ng  
RT: 18.006 min Scan# 2579  
Delta R.T. -0.024 min  
Lab File: BF132246.D  
Acq: 31 Jan 2023 23:57

Tgt Ion:276 Resp: 177017  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.4 29.2  
138 24.8 20.3 30.5

