

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031323\  
 Data File : BP014070.D  
 Acq On : 13 Mar 2023 19:07  
 Operator : CG/JU  
 Sample : 01627-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2023

Quant Time: Mar 14 04:22:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 04:15:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.069  | 152  | 147599   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.893 | 136  | 524567   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.710 | 164  | 304692   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.463 | 188  | 611437   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.539 | 240  | 541016   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.074 | 264  | 561278   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.611  | 112  | 1063247  | 116.824 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.222  | 99   | 1358914  | 113.724 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.246  | 82   | 1009778  | 87.982  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.198 | 330  | 502707   | 101.760 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.334 | 172  | 2013244  | 85.605  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.998 | 244  | 2618242  | 79.801  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.470  | 88   | 30887    | 7.812   | ng    | 94       |
| 3) Pyridine                   | 3.893  | 79   | 70379    | 6.410   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.793  | 42   | 34204    | 7.018   | ng    | # 99     |
| 6) Aniline                    | 7.393  | 93   | 113600   | 7.237   | ng    | 97       |
| 8) 2-Chlorophenol             | 7.628  | 128  | 72857    | 7.474   | ng    | 95       |
| 9) Benzaldehyde               | 7.205  | 77   | 71317    | 11.927  | ng    | 99       |
| 10) Phenol                    | 7.252  | 94   | 94109    | 7.567   | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.487  | 93   | 73758    | 7.491   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.957  | 146  | 85640    | 7.995   | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 8.105  | 146  | 84835    | 7.828   | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.428  | 146  | 80838    | 7.788   | ng    | 98       |
| 15) Benzyl Alcohol            | 8.316  | 79   | 64723    | 6.643   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.593  | 45   | 91729    | 8.557   | ng    | 97       |
| 17) 2-Methylphenol            | 8.510  | 107  | 58746    | 6.623   | ng    | 99       |
| 18) Hexachloroethane          | 9.157  | 117  | 30745    | 7.552   | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.881  | 70   | 55202    | 7.019   | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.840  | 107  | 76214    | 6.380   | ng    | 96       |
| 22) Acetophenone              | 8.905  | 105  | 111766   | 7.596   | ng    | # 99     |
| 24) Nitrobenzene              | 9.287  | 77   | 93127    | 7.930   | ng    | 98       |
| 25) Isophorone                | 9.810  | 82   | 137611   | 6.507   | ng    | 98       |
| 26) 2-Nitrophenol             | 10.004 | 139  | 32386    | 6.340   | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 10.057 | 122  | 59918    | 7.214   | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.293 | 93   | 90129    | 7.364   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.540 | 162  | 60288    | 6.631   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.751 | 180  | 76619    | 7.423   | ng    | 98       |
| 31) Naphthalene               | 10.946 | 128  | 217471   | 7.545   | ng    | 99       |
| 32) Benzoic acid              | 10.140 | 122  | 11896    | 4.332   | ng    | 97       |
| 33) 4-Chloroaniline           | 11.057 | 127  | 80060    | 6.479   | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.222 | 225  | 51922    | 6.919   | ng    | 97       |
| 35) Caprolactam               | 11.834 | 113  | 14189    | 5.452   | ng    | # 88     |
| 36) 4-Chloro-3-methylphenol   | 12.169 | 107  | 64635    | 6.374   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.546 | 142  | 144825   | 6.810   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.757 | 142  | 134300   | 6.775   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.904 | 216  | 87822    | 7.562   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.881 | 237  | 48215    | 6.615   | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 13.145 | 196  | 48227    | 6.569   | ng    | 98       |

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 Sample : 01627-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 11 Sample Multiplier: 1

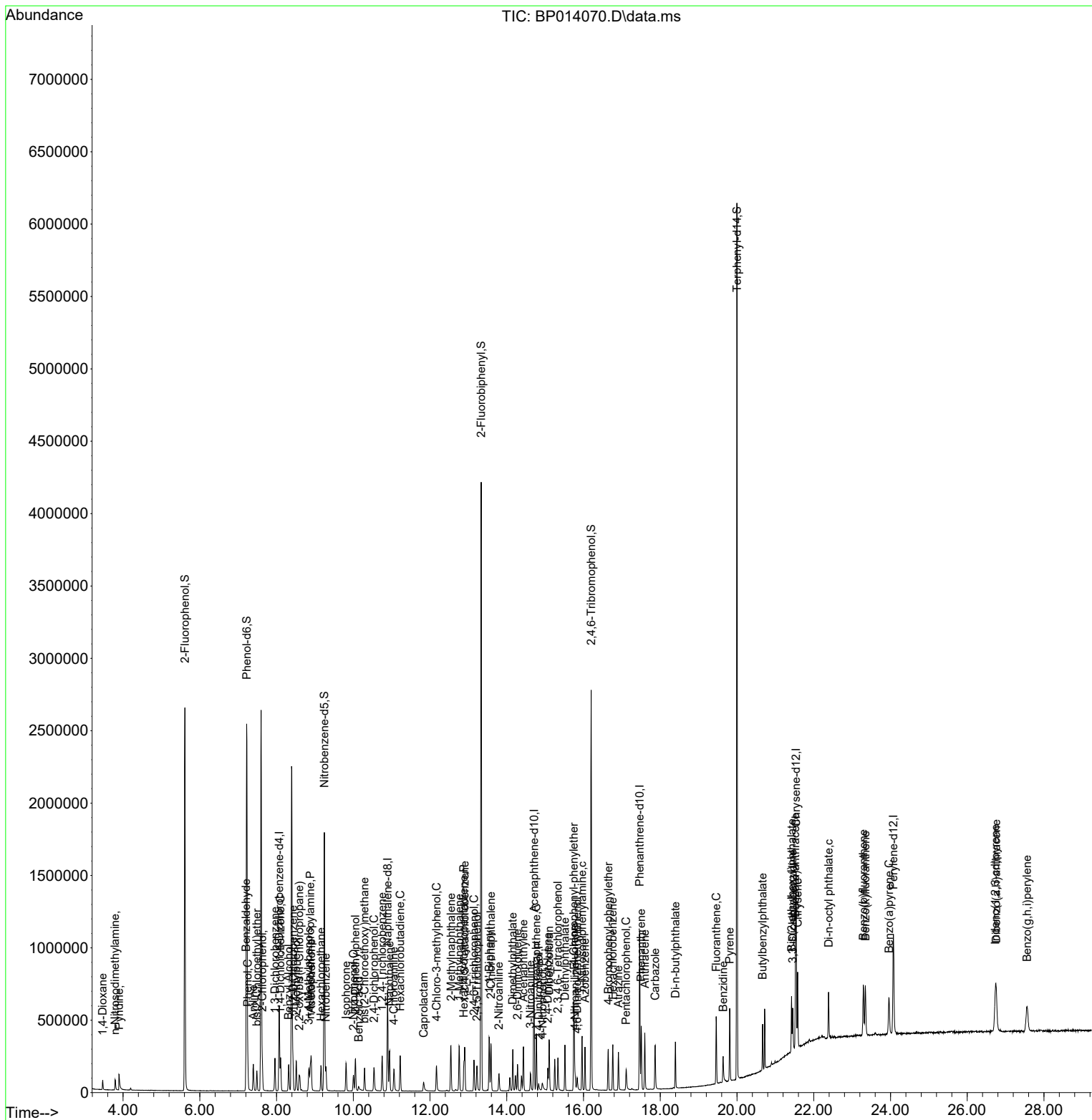
Instrument :  
 BNA\_P  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2023

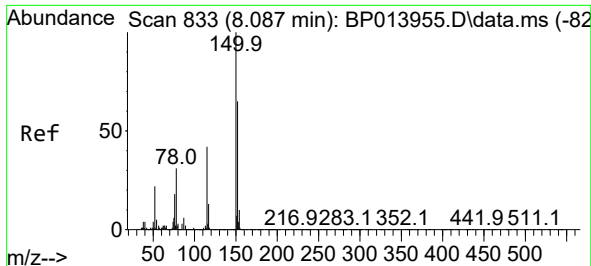
Quant Time: Mar 14 04:22:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 14 04:15:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.222 | 196  | 50680    | 5.958  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.545 | 154  | 190820   | 7.781  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.587 | 162  | 148025   | 7.840  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.792 | 65   | 36688    | 6.403  | ng    | 95       |
| 49) Acenaphthylene            | 14.434 | 152  | 208584   | 6.947  | ng    | 99       |
| 50) Dimethylphthalate         | 14.157 | 163  | 167620   | 6.668  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.281 | 165  | 32451    | 6.130  | ng    | 90       |
| 52) Acenaphthene              | 14.769 | 154  | 131911   | 7.298  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.616 | 138  | 29007    | 5.591  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.834 | 184  | 13642    | 6.420  | ng    | 92       |
| 55) Dibenzofuran              | 15.104 | 168  | 215981   | 7.330  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.928 | 139  | 20202    | 4.782  | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 15.069 | 165  | 40881    | 5.777  | ng    | 97       |
| 58) Fluorene                  | 15.757 | 166  | 168981   | 7.223  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.334 | 232  | 46460    | 6.260  | ng    | 97       |
| 60) Diethylphthalate          | 15.516 | 149  | 160357   | 6.461  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.745 | 204  | 89423    | 6.742  | ng    | 95       |
| 62) 4-Nitroaniline            | 15.781 | 138  | 28048    | 5.430  | ng    | 90       |
| 63) Azobenzene                | 16.039 | 77   | 160350   | 6.982  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.834 | 198  | 21138    | 4.667  | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 15.963 | 169  | 138424   | 7.164  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.645 | 248  | 52511    | 6.493  | ng    | 96       |
| 68) Hexachlorobenzene         | 16.763 | 284  | 62847    | 7.250  | ng    | 98       |
| 69) Atrazine                  | 16.910 | 200  | 47195    | 6.957  | ng    | 98       |
| 70) Pentachlorophenol         | 17.110 | 266  | 30568    | 4.889  | ng    | 96       |
| 71) Phenanthrene              | 17.504 | 178  | 251097   | 7.351  | ng    | 100      |
| 72) Anthracene                | 17.598 | 178  | 240630   | 6.895  | ng    | 99       |
| 73) Carbazole                 | 17.869 | 167  | 207280   | 6.885  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.398 | 149  | 222899   | 5.922  | ng    | 99       |
| 75) Fluoranthene              | 19.457 | 202  | 270247   | 6.619  | ng    | 98       |
| 77) Benzidine                 | 19.639 | 184  | 122676   | 12.268 | ng    | 98       |
| 78) Pyrene                    | 19.810 | 202  | 286135   | 6.891  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.669 | 149  | 85264    | 5.416  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.521 | 228  | 274264   | 6.909  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 96834    | 7.624  | ng    | 95       |
| 83) Chrysene                  | 21.580 | 228  | 271787   | 7.230  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.422 | 149  | 126521   | 5.478  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.386 | 149  | 201738   | 5.381  | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.733 | 276  | 316243   | 7.292  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.292 | 252  | 267534   | 7.279  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.345 | 252  | 256000   | 7.025  | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.963 | 252  | 223694   | 6.381  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.756 | 278  | 267673   | 7.424  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.556 | 276  | 264147   | 7.393  | ng    | 97       |

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

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QLast Update : Tue Mar 14 04:15:47 2023  
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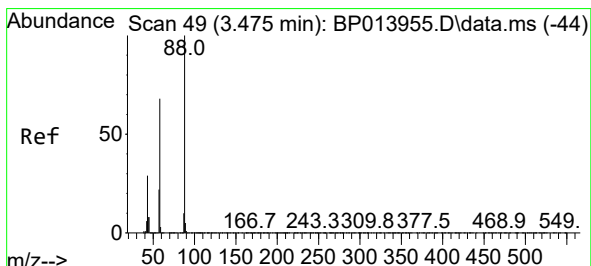
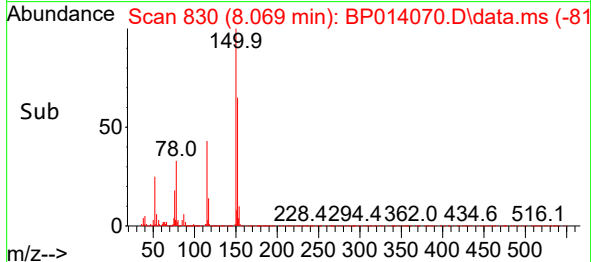
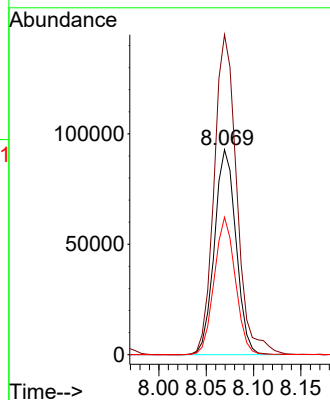
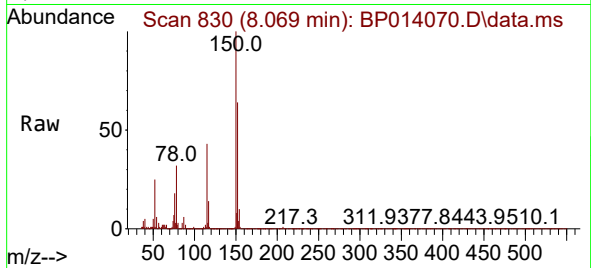




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.069 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

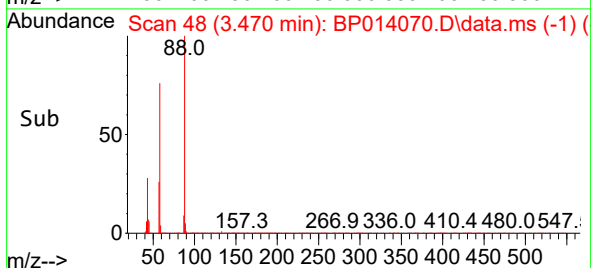
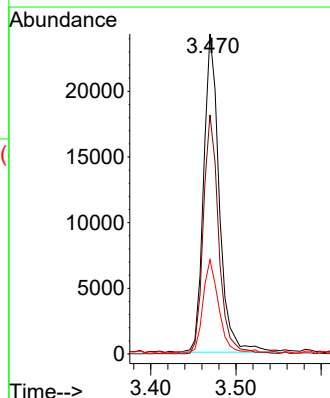
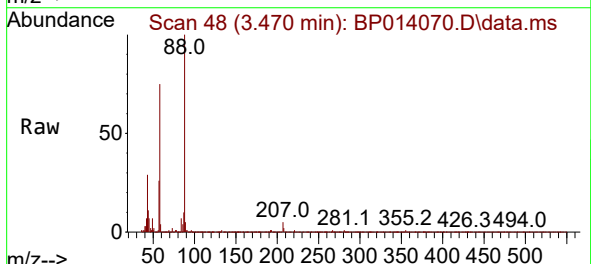
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

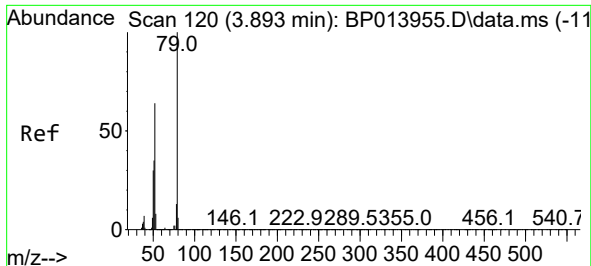
Tgt Ion:152 Resp: 147599  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.3 183.5  
115 67.0 51.6 77.4



#2  
1,4-Dioxane  
Concen: 7.812 ng  
RT: 3.470 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 88 Resp: 30887  
Ion Ratio Lower Upper  
88 100  
58 73.3 53.8 80.8  
43 29.3 22.1 33.1





#3

Pyridine

Concen: 6.410 ng

RT: 3.893 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

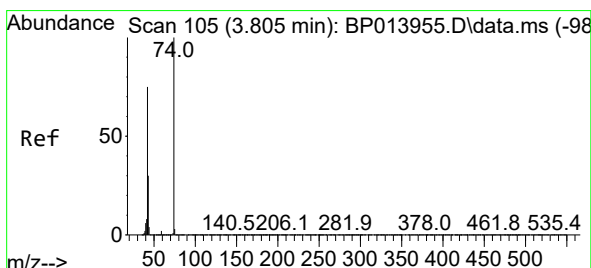
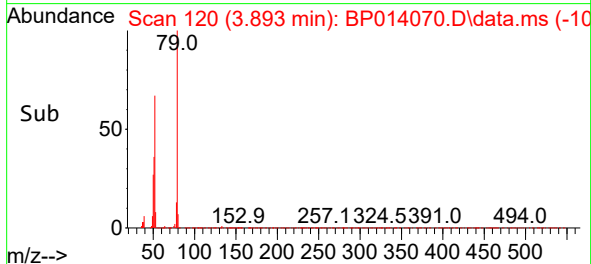
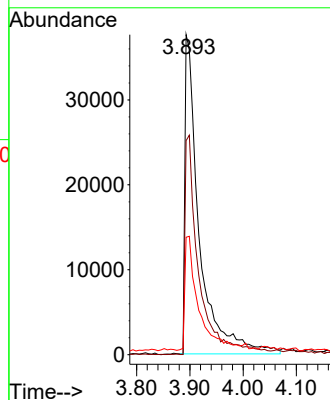
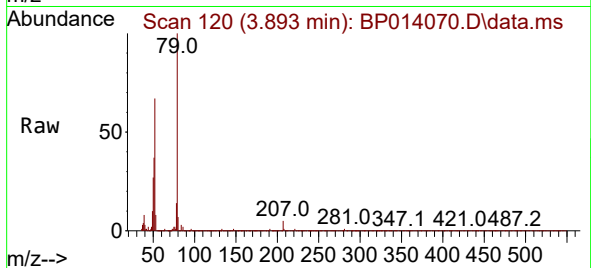
Tgt Ion: 79 Resp: 70379

Ion Ratio Lower Upper

79 100

52 66.9 51.0 76.4

51 36.7 28.2 42.2



#4

n-Nitrosodimethylamine

Concen: 7.018 ng

RT: 3.793 min Scan# 103

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

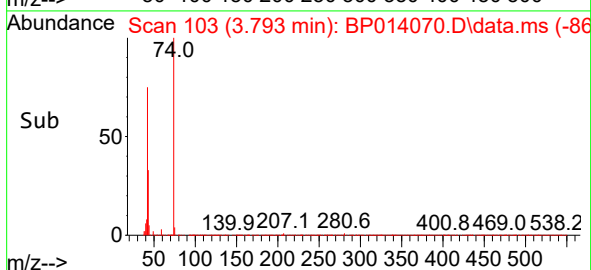
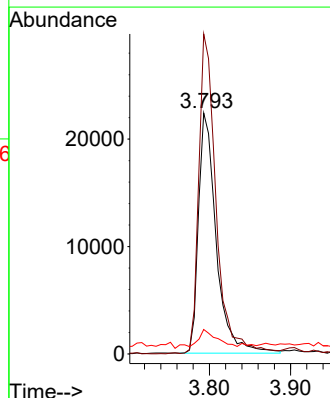
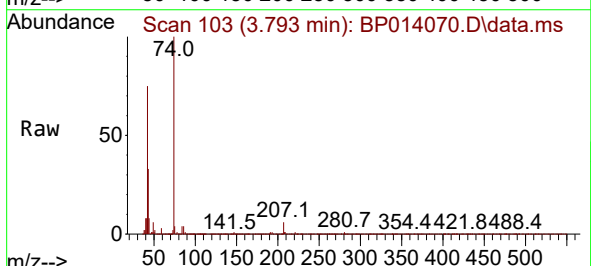
Tgt Ion: 42 Resp: 34204

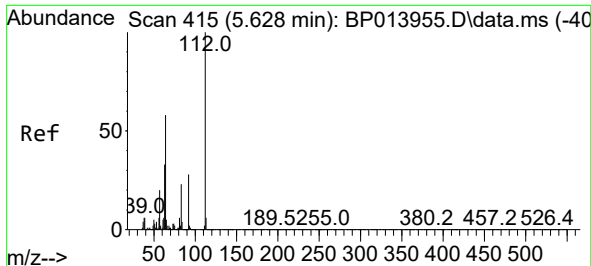
Ion Ratio Lower Upper

42 100

74 132.8 107.0 160.6

44 10.2 4.5 6.7#

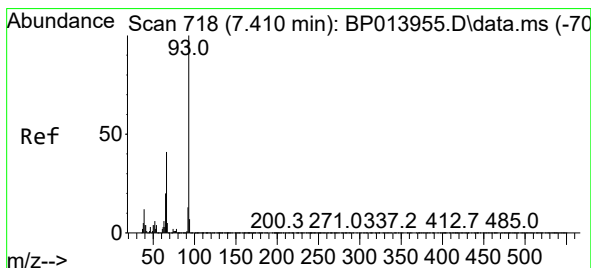
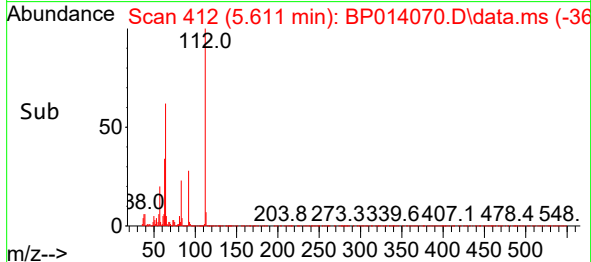
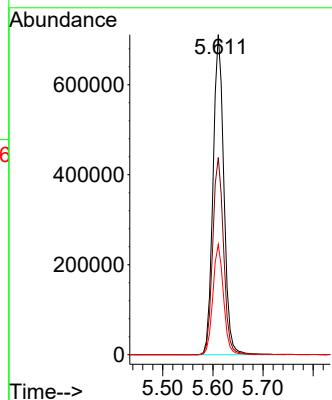
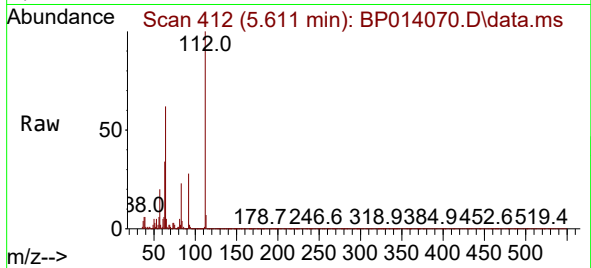




#5  
2-Fluorophenol  
Concen: 116.824 ng  
RT: 5.611 min Scan# 415  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

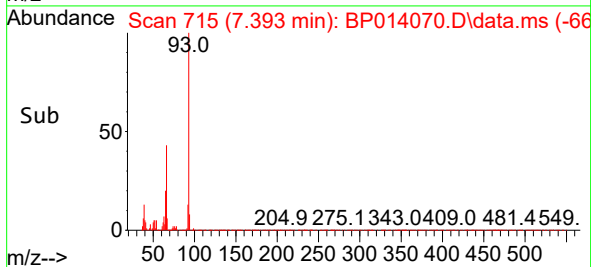
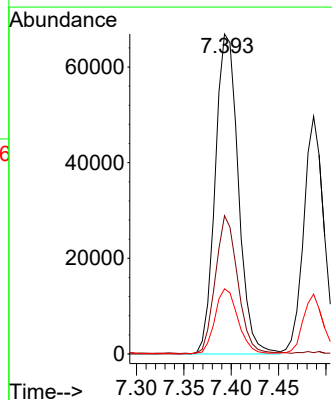
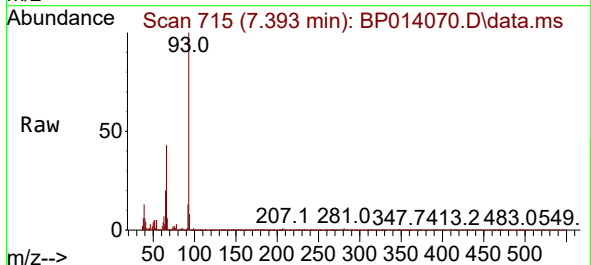
Instrument :  
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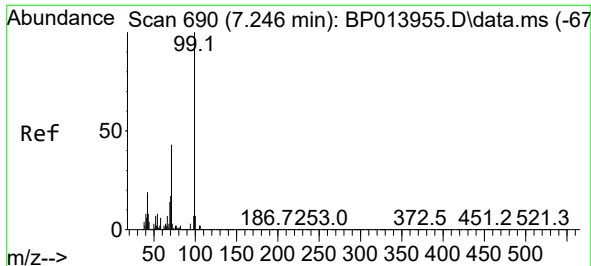
Tgt Ion:112 Resp: 1063247  
Ion Ratio Lower Upper  
112 100  
64 61.6 46.7 70.1  
63 34.5 26.6 40.0



#6  
Aniline  
Concen: 7.237 ng  
RT: 7.393 min Scan# 715  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 93 Resp: 113600  
Ion Ratio Lower Upper  
93 100  
66 43.2 32.6 48.8  
65 20.4 16.0 24.0



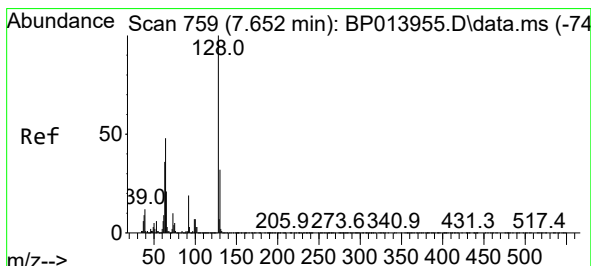
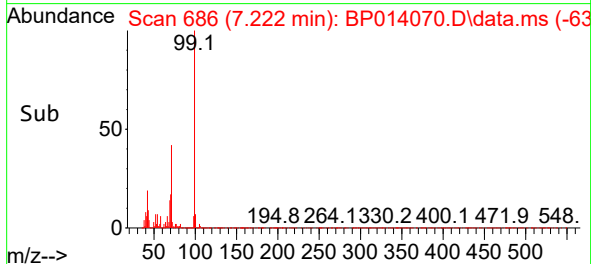
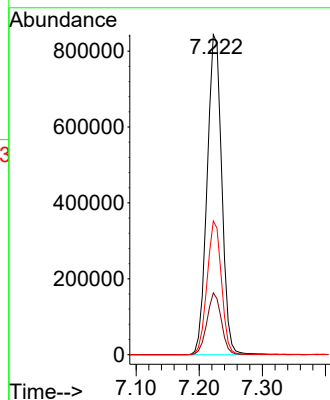
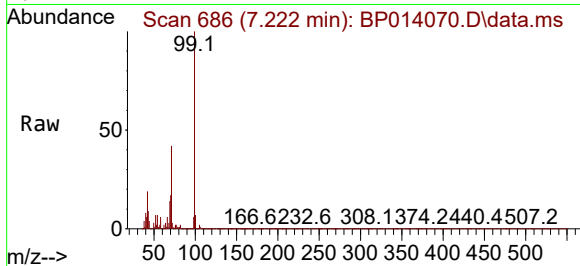


#7  
Phenol-d6  
Concen: 113.724 ng  
RT: 7.222 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 99 Resp: 1358914

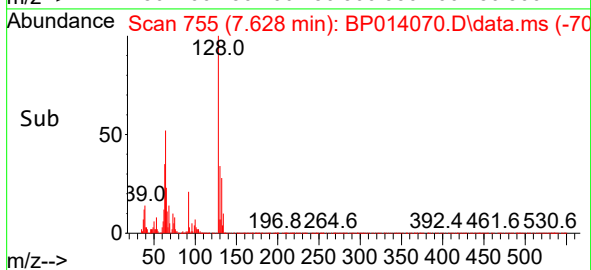
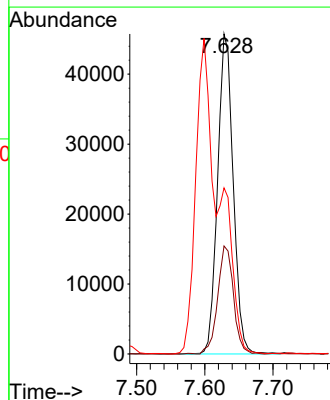
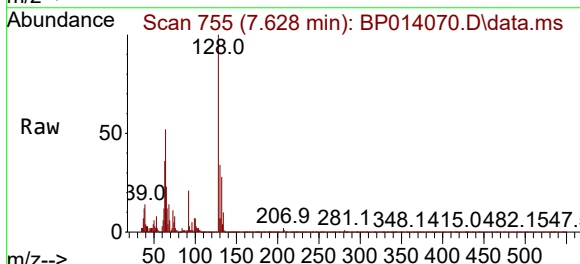
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 15.0  | 22.6  |
| 71  | 41.8  | 34.3  | 51.5  |

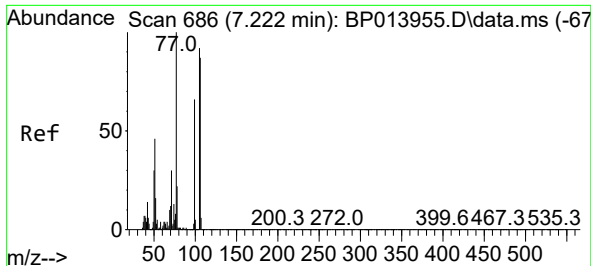


#8  
2-Chlorophenol  
Concen: 7.474 ng  
RT: 7.628 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:128 Resp: 72857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.8  | 12.3  | 52.3  |
| 64  | 51.9  | 27.6  | 67.6  |

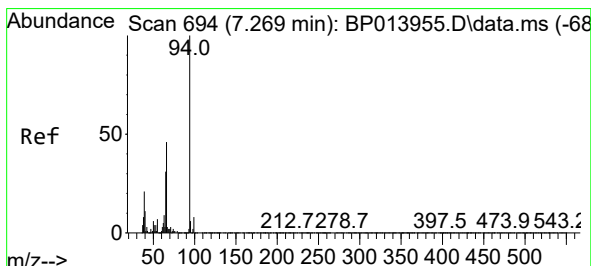
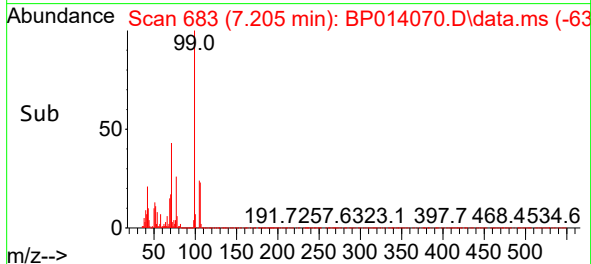
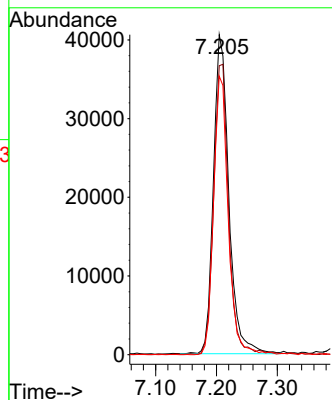
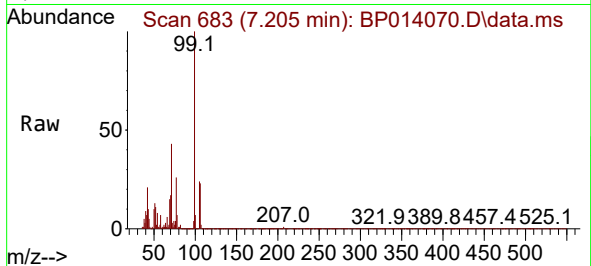




#9  
Benzaldehyde  
Concen: 11.927 ng  
RT: 7.205 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

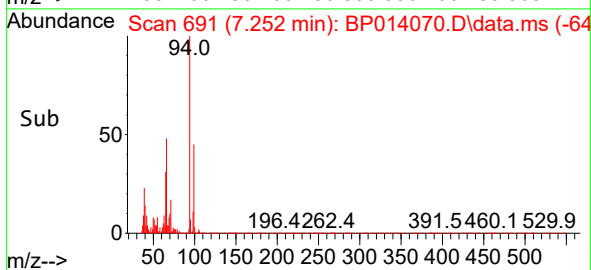
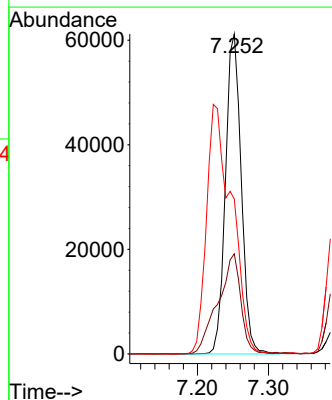
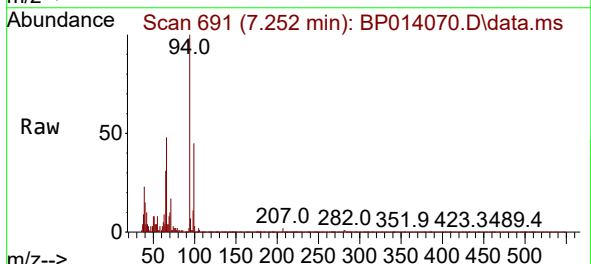
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

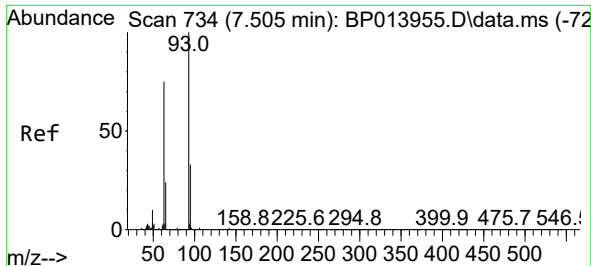
Tgt Ion: 77 Resp: 71317  
Ion Ratio Lower Upper  
77 100  
105 90.3 72.4 112.4  
106 87.1 66.9 106.9



#10  
Phenol  
Concen: 7.567 ng  
RT: 7.252 min Scan# 691  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 94 Resp: 94109  
Ion Ratio Lower Upper  
94 100  
65 31.3 10.9 50.9  
66 48.4 26.1 66.1

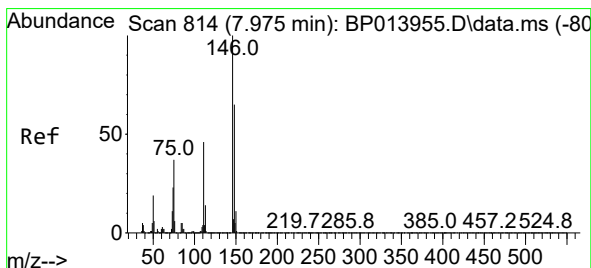
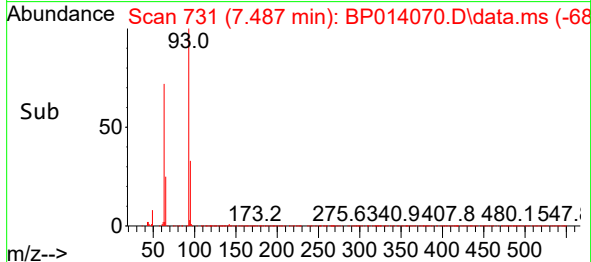
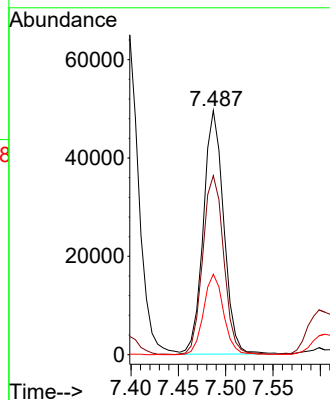
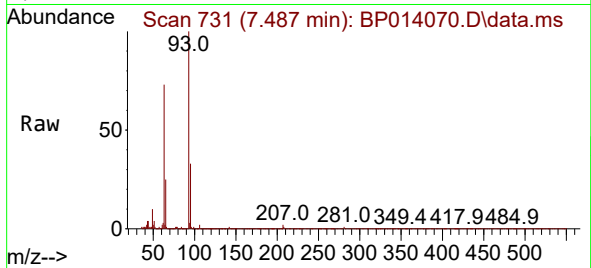




#11  
bis(2-Chloroethyl)ether  
Concen: 7.491 ng  
RT: 7.487 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

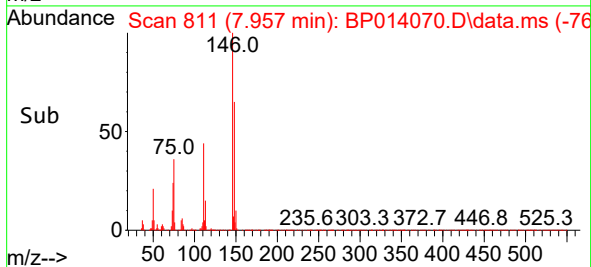
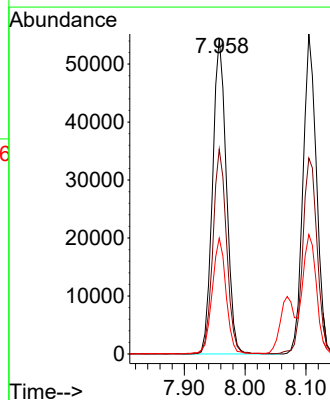
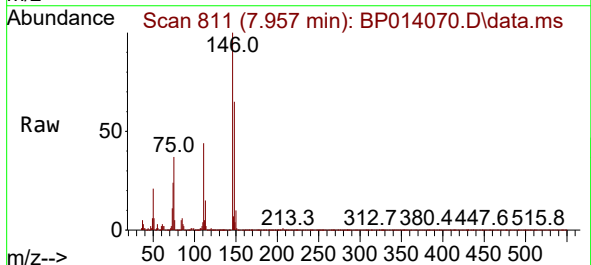
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

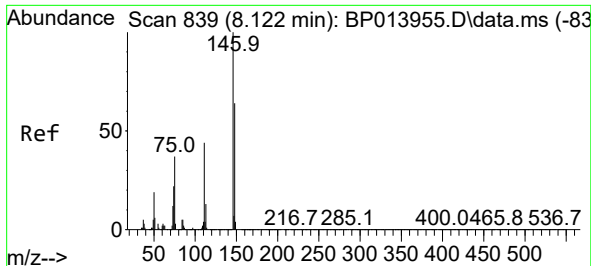
Tgt Ion: 93 Resp: 73758  
Ion Ratio Lower Upper  
93 100  
63 73.3 54.2 94.2  
95 33.0 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 7.995 ng  
RT: 7.957 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 146 Resp: 85640  
Ion Ratio Lower Upper  
146 100  
148 64.8 52.1 78.1  
75 36.7 29.4 44.0

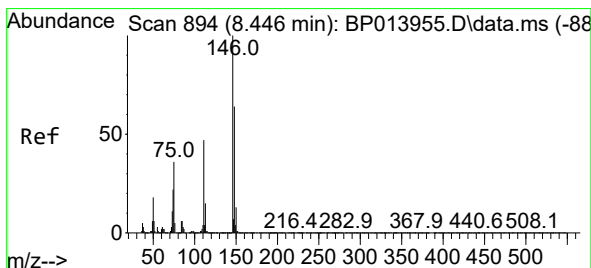
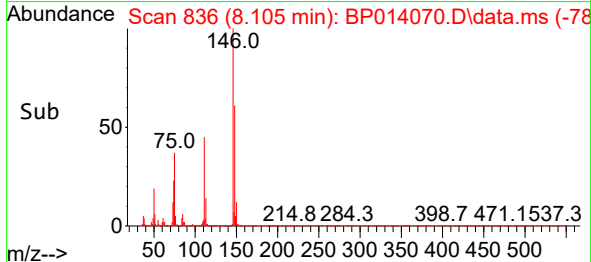
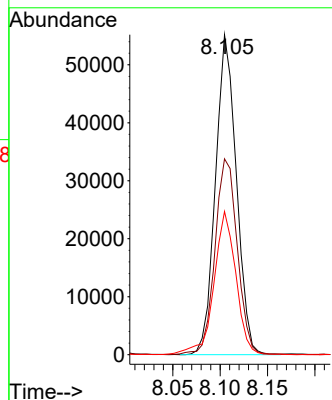
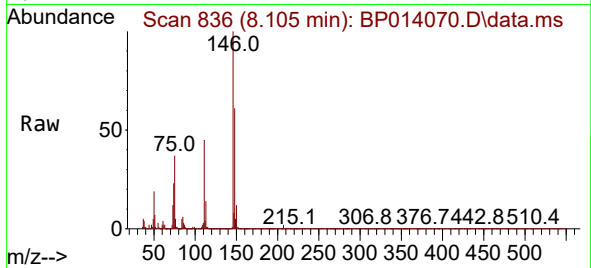




#13  
1,4-Dichlorobenzene  
Concen: 7.828 ng  
RT: 8.105 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

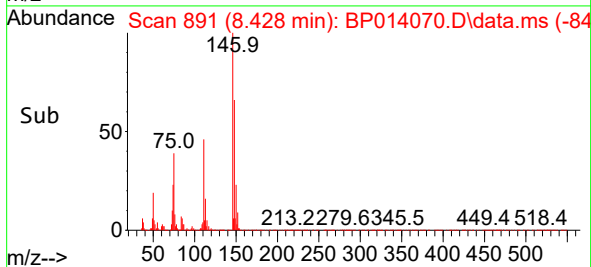
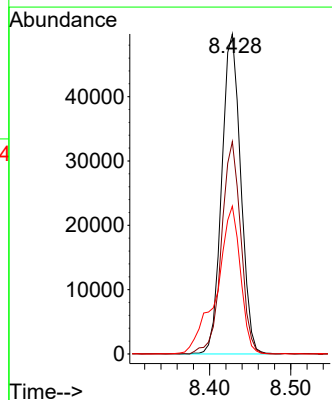
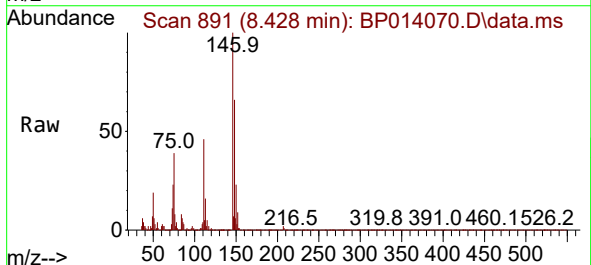
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

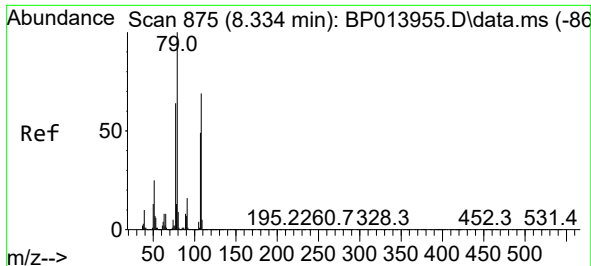
Tgt Ion:146 Resp: 84835  
Ion Ratio Lower Upper  
146 100  
148 61.2 51.4 77.2  
111 44.7 35.1 52.7



#14  
1,2-Dichlorobenzene  
Concen: 7.788 ng  
RT: 8.428 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:146 Resp: 80838  
Ion Ratio Lower Upper  
146 100  
148 66.4 51.4 77.0  
111 46.2 37.2 55.8

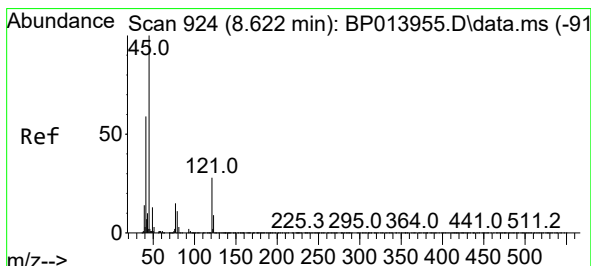
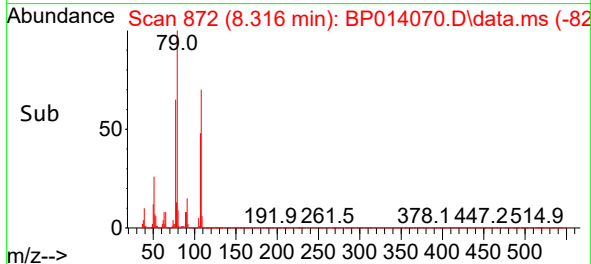
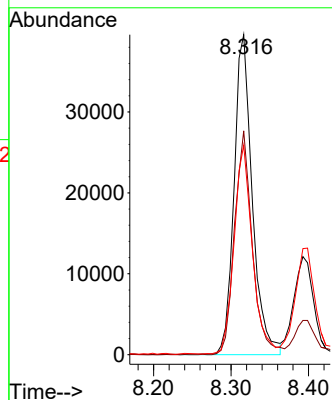
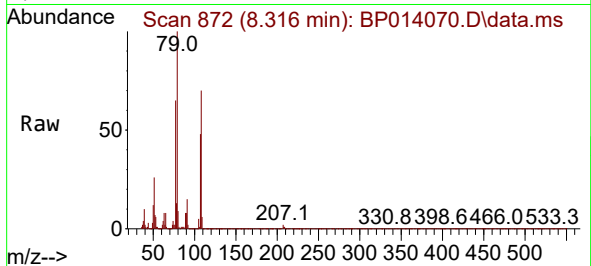




#15  
Benzyl Alcohol  
Concen: 6.643 ng  
RT: 8.316 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

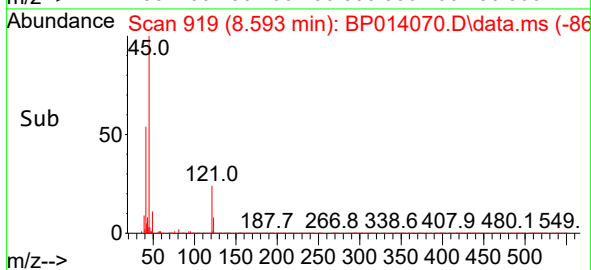
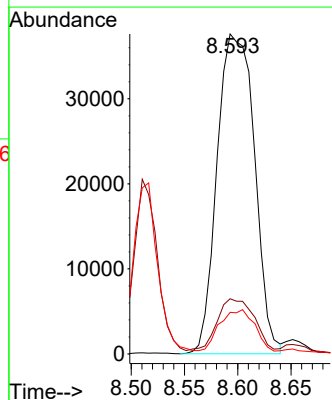
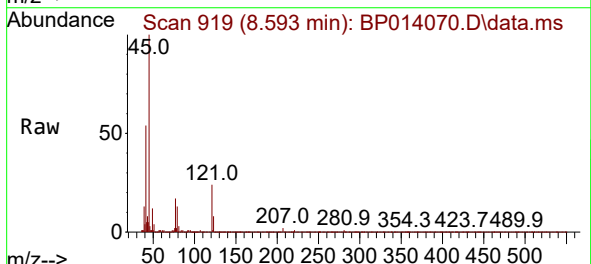
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

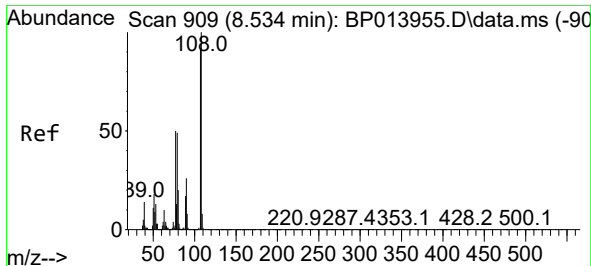
Tgt Ion: 79 Resp: 64723  
Ion Ratio Lower Upper  
79 100  
108 69.9 54.9 82.3  
77 65.4 51.4 77.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.557 ng  
RT: 8.593 min Scan# 919  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 45 Resp: 91729  
Ion Ratio Lower Upper  
45 100  
77 17.2 0.0 38.7  
79 13.0 0.0 34.4

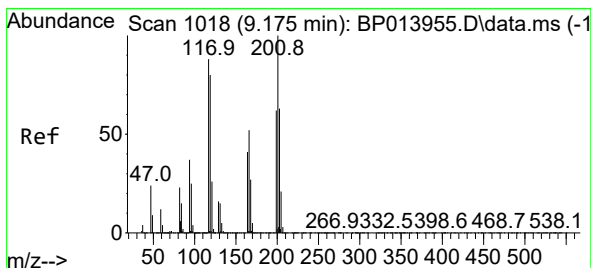
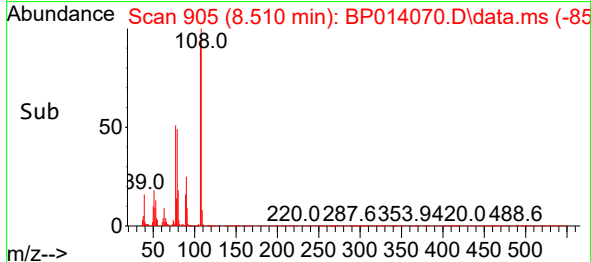
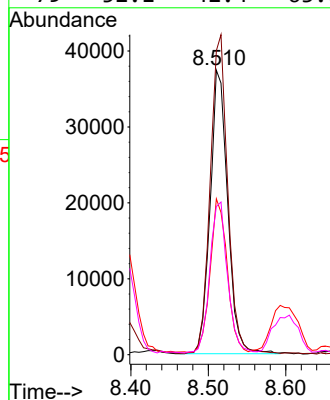
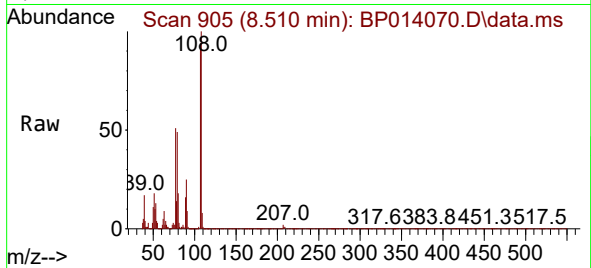




#17  
2-Methylphenol  
Concen: 6.623 ng  
RT: 8.510 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

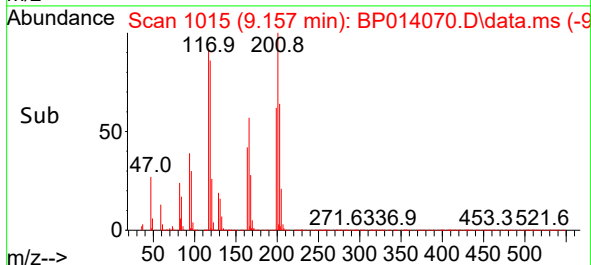
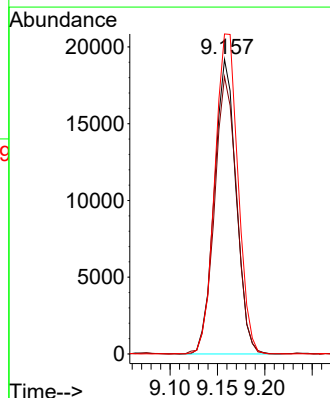
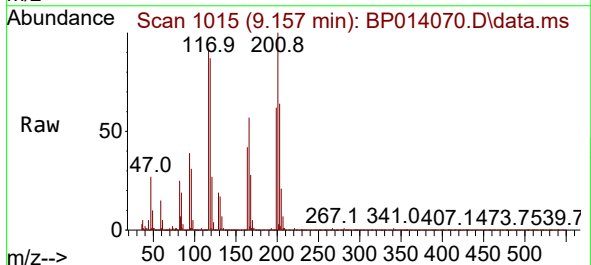
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

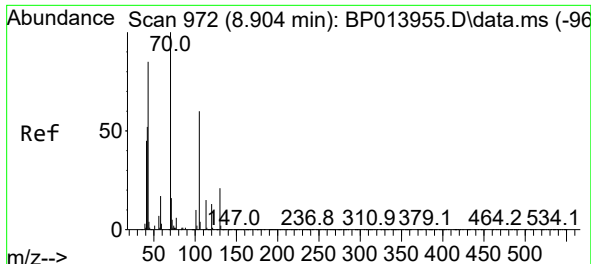
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 58746      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 108         | 106.9 | 87.0 130.4 |
| 77          | 54.8  | 44.0 66.0  |
| 79          | 52.1  | 42.4 63.6  |



#18  
Hexachloroethane  
Concen: 7.552 ng  
RT: 9.157 min Scan# 1015  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:117 | Resp: | 30745      |
| Ion Ratio   | Lower | Upper      |
| 117         | 100   |            |
| 119         | 94.1  | 73.3 109.9 |
| 201         | 108.6 | 91.1 136.7 |





#19

n-Nitroso-di-n-propylamine

Concen: 7.019 ng

RT: 8.881 min Scan# 90

Delta R.T. -0.012 min

Lab File: BP014070.D

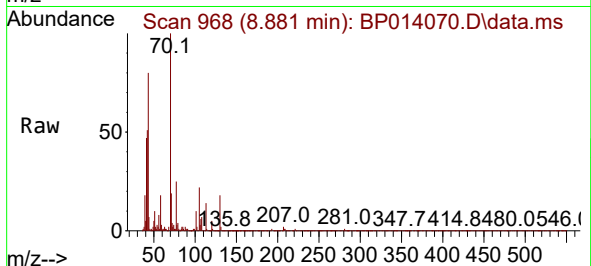
Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



Tgt Ion: 70 Resp: 55202

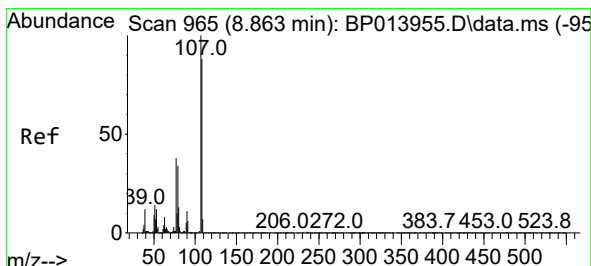
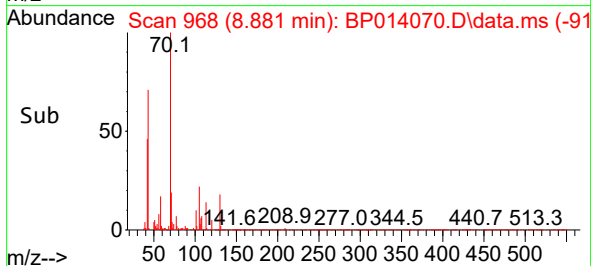
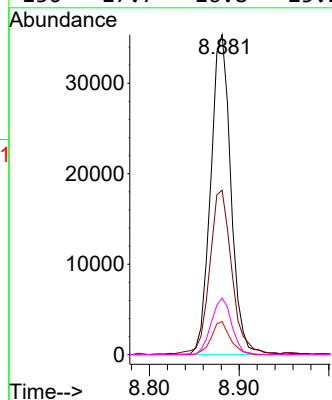
Ion Ratio Lower Upper

70 100

42 51.4 42.4 63.6

101 10.3 8.2 12.4

130 17.7 16.8 25.2



#20

3+4-Methylphenols

Concen: 6.380 ng

RT: 8.840 min Scan# 961

Delta R.T. -0.012 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion: 107 Resp: 76214

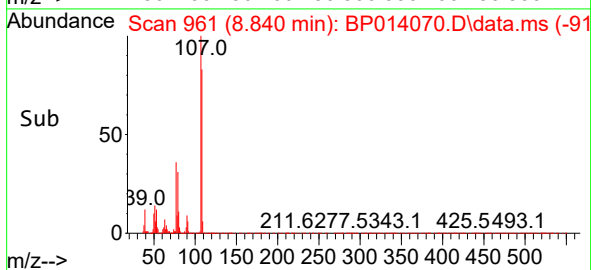
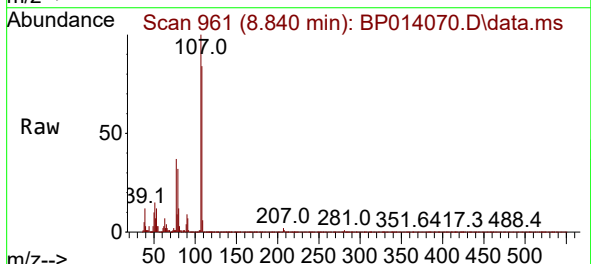
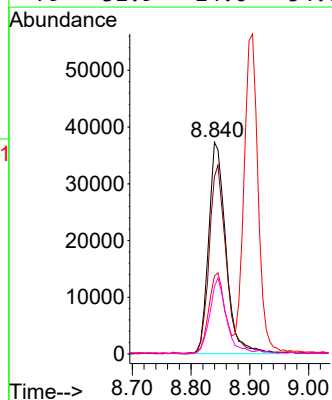
Ion Ratio Lower Upper

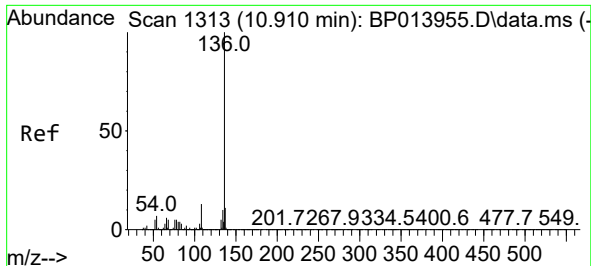
107 100

108 83.8 68.2 108.2

77 36.8 18.1 58.1

79 31.9 14.0 54.0

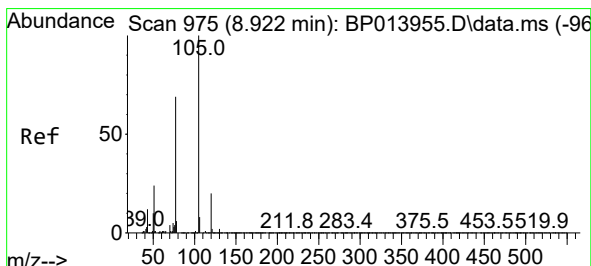
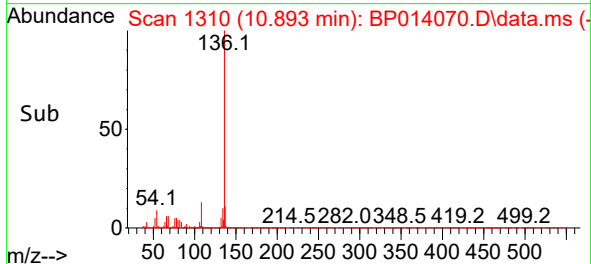
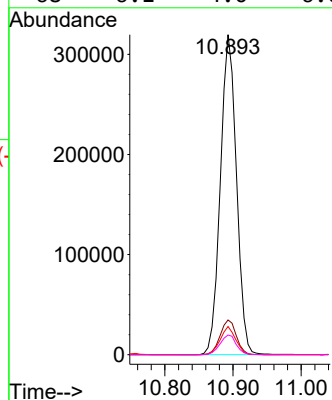
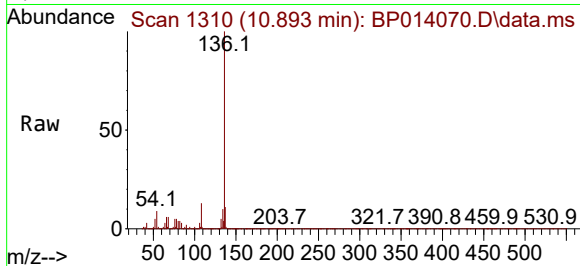




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.893 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

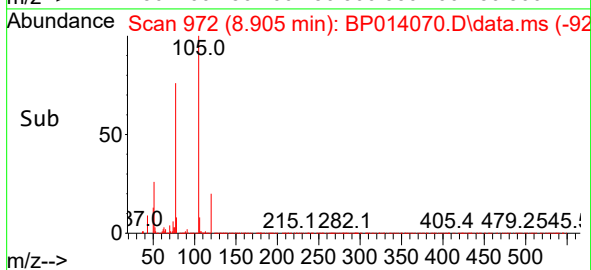
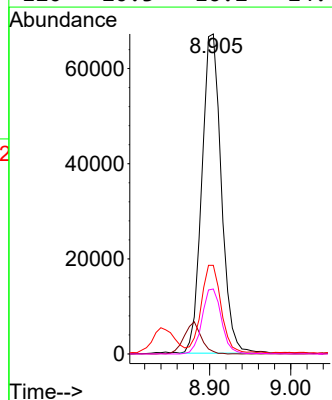
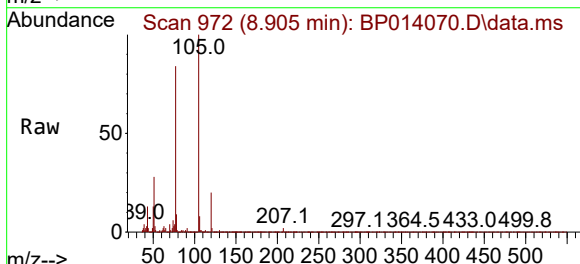
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BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

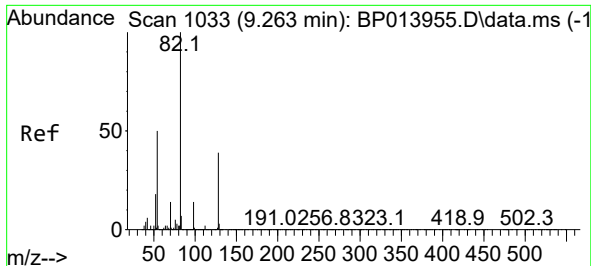
Tgt Ion:136 Resp: 524567  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 8.8 5.8 8.8#  
68 6.1 4.0 6.0#



#22  
Acetophenone  
Concen: 7.596 ng  
RT: 8.905 min Scan# 972  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:105 Resp: 111766  
Ion Ratio Lower Upper  
105 100  
71 0.8 1.4 2.0#  
51 27.7 21.5 32.3  
120 20.3 16.2 24.4

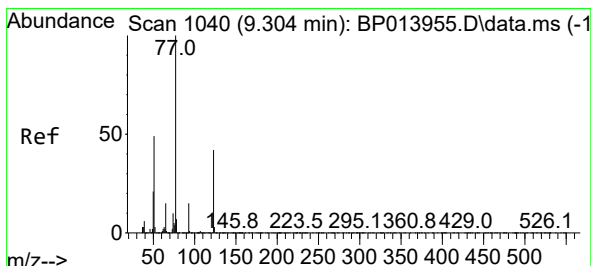
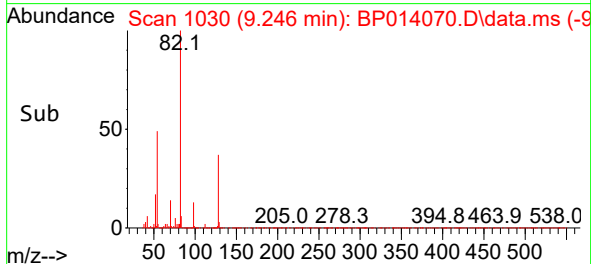
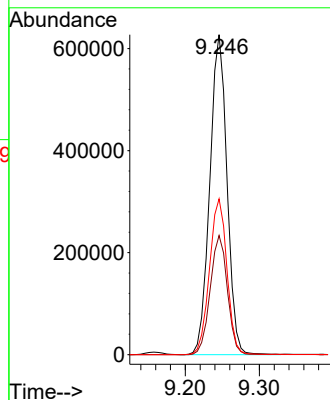
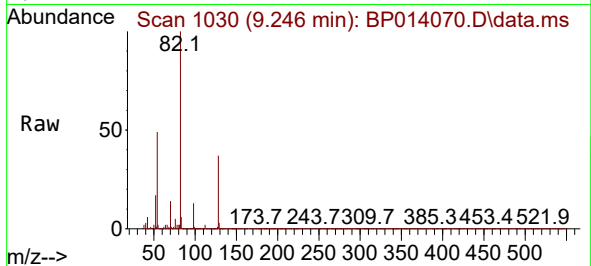




#23  
Nitrobenzene-d5  
Concen: 87.982 ng  
RT: 9.246 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

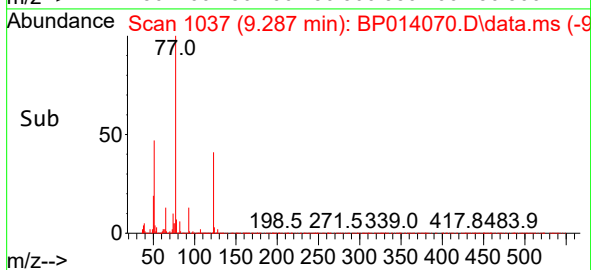
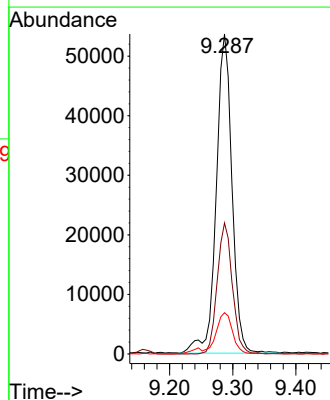
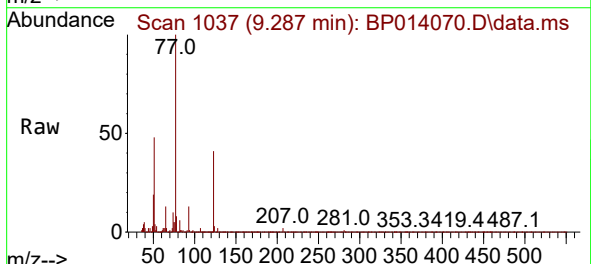
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

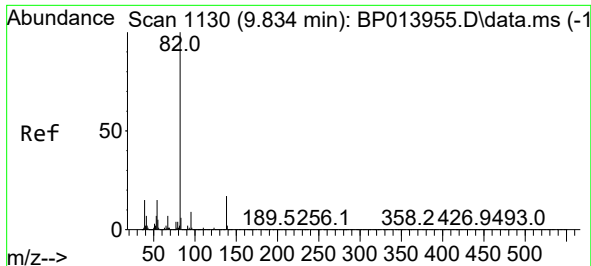
Tgt Ion: 82 Resp: 1009778  
Ion Ratio Lower Upper  
82 100  
128 37.3 31.1 46.7  
54 48.7 40.0 60.0



#24  
Nitrobenzene  
Concen: 7.930 ng  
RT: 9.287 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 77 Resp: 93127  
Ion Ratio Lower Upper  
77 100  
123 41.0 33.6 50.4  
65 12.9 11.6 17.4

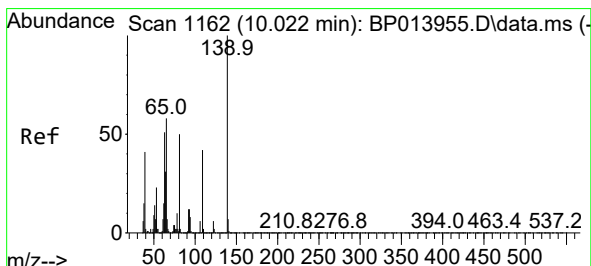
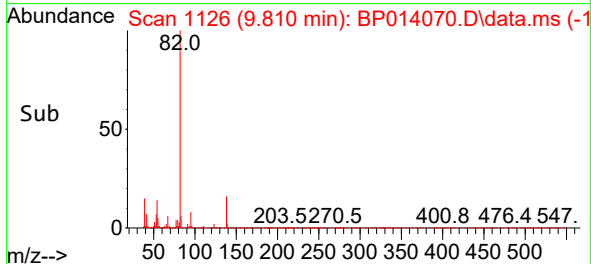
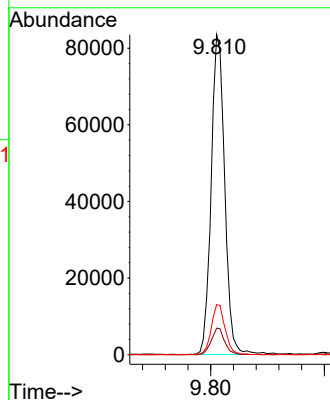
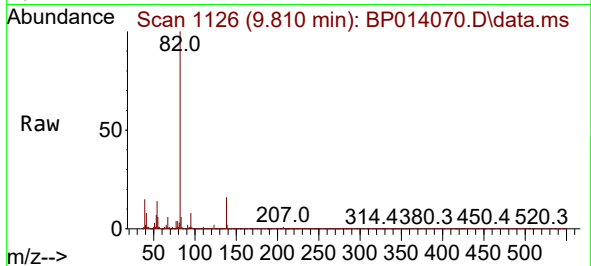




#25  
Isophorone  
Concen: 6.507 ng  
RT: 9.810 min Scan# 1115  
Delta R.T. -0.012 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

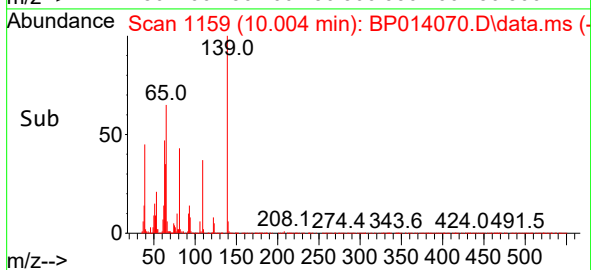
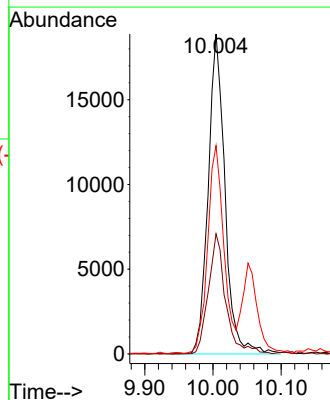
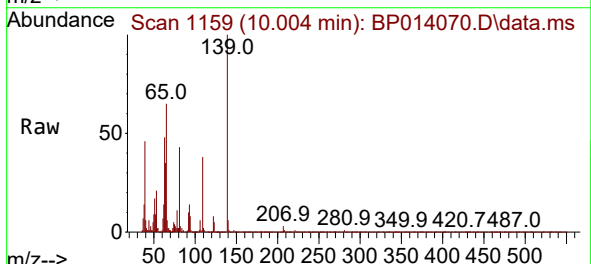
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

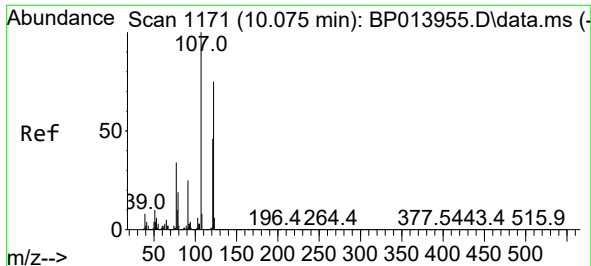
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 137611 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 8.3   | 6.9   | 10.3   |
| 138      | 15.7  | 13.3  | 19.9   |



#26  
2-Nitrophenol  
Concen: 6.340 ng  
RT: 10.004 min Scan# 1159  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 139   | Resp: | 32386 |
| Ion      | Ratio | Lower | Upper |
| 139      | 100   |       |       |
| 109      | 37.6  | 33.8  | 50.8  |
| 65       | 65.1  | 46.6  | 70.0  |

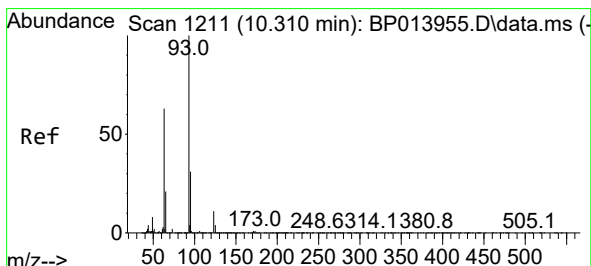
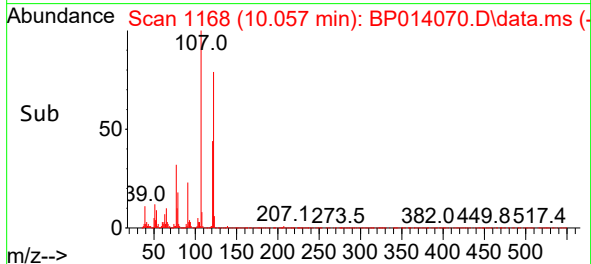
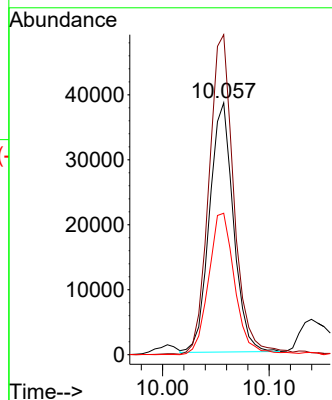
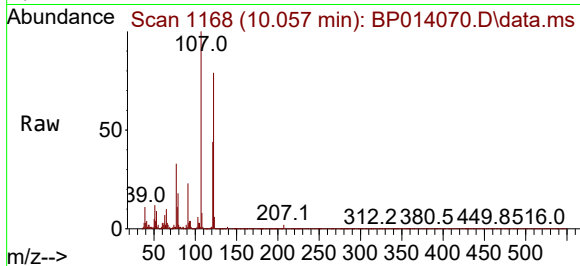




#27  
2,4-Dimethylphenol  
Concen: 7.214 ng  
RT: 10.057 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

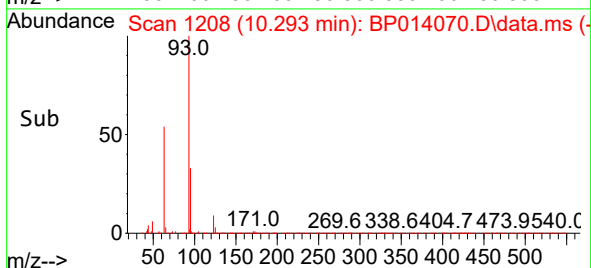
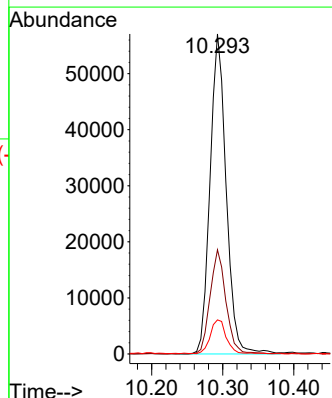
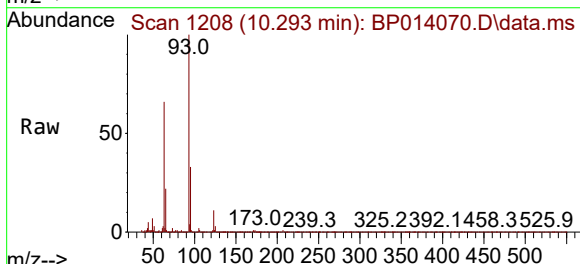
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

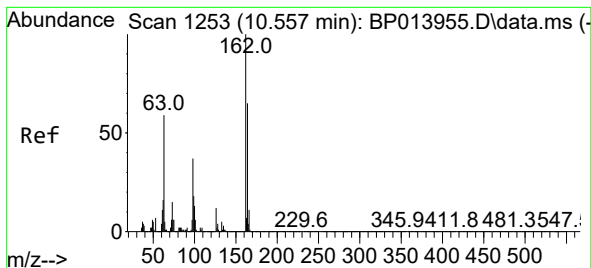
Tgt Ion:122 Resp: 59918  
Ion Ratio Lower Upper  
122 100  
107 127.1 105.9 158.9  
121 56.2 49.0 73.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 7.364 ng  
RT: 10.293 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 93 Resp: 90129  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.0 37.6  
123 10.7 8.6 12.8





#29

2,4-Dichlorophenol

Concen: 6.631 ng

RT: 10.540 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

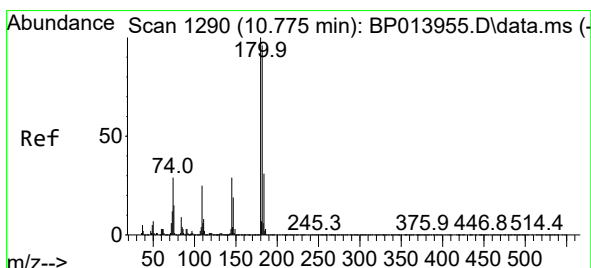
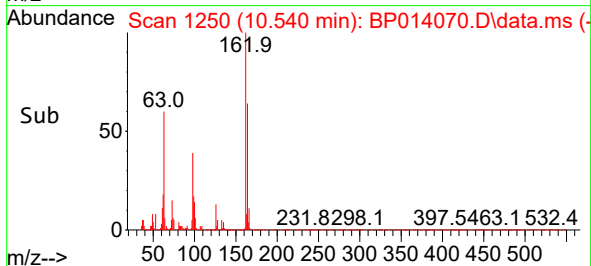
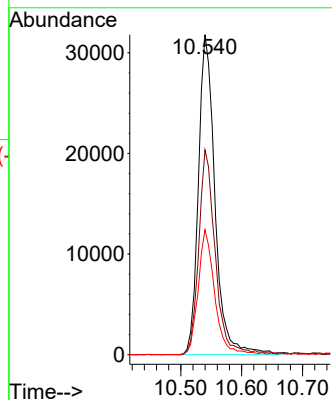
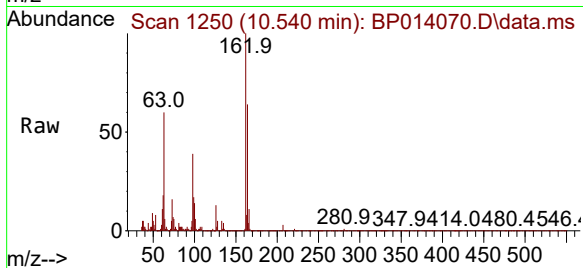
Tgt Ion:162 Resp: 60288

Ion Ratio Lower Upper

162 100

164 63.9 44.7 84.7

98 39.1 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 7.423 ng

RT: 10.751 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

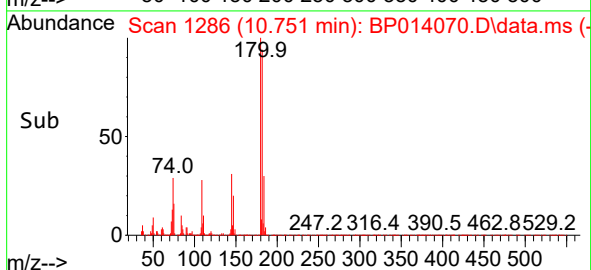
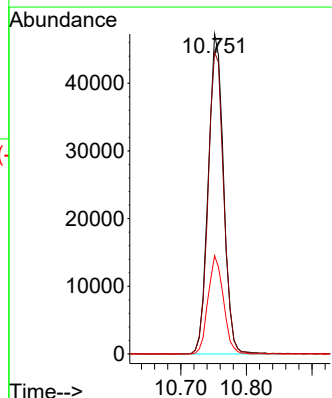
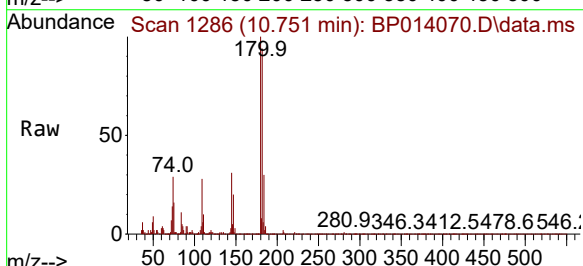
Tgt Ion:180 Resp: 76619

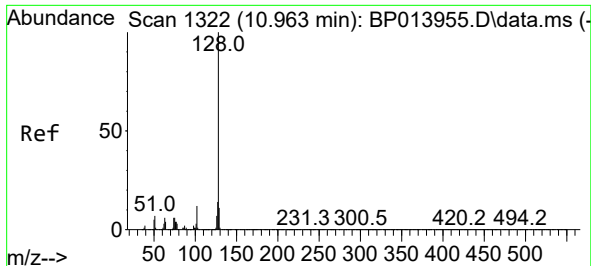
Ion Ratio Lower Upper

180 100

182 94.3 76.6 114.8

145 30.7 23.5 35.3

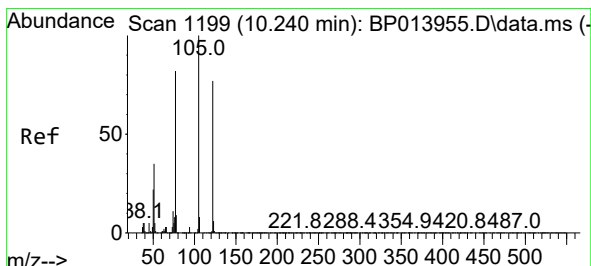
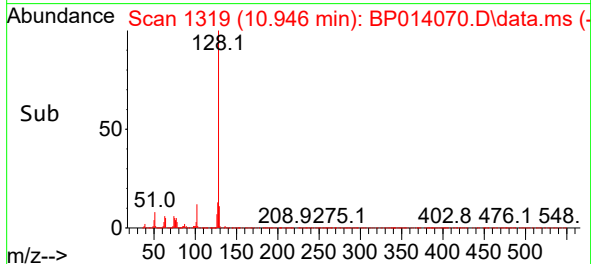
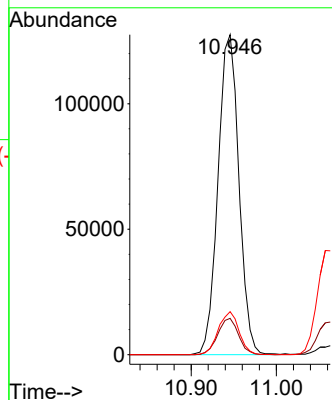
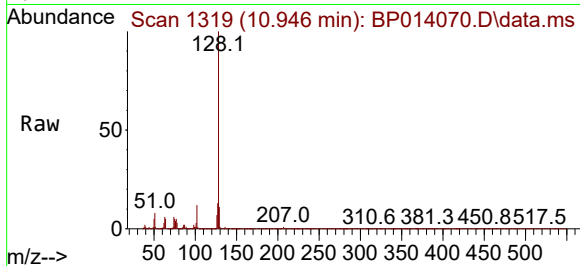




#31  
Naphthalene  
Concen: 7.545 ng  
RT: 10.946 min Scan# 1182  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

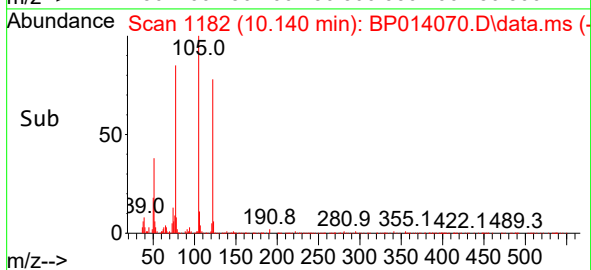
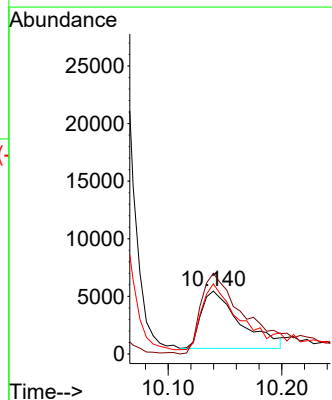
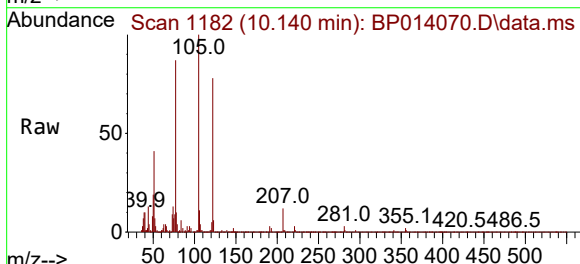
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

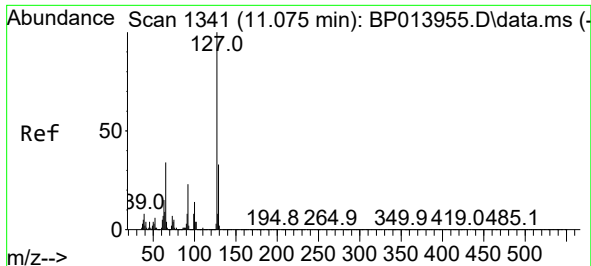
Tgt Ion:128 Resp: 217471  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.8 13.2  
127 13.5 11.2 16.8



#32  
Benzoic acid  
Concen: 4.332 ng  
RT: 10.140 min Scan# 1182  
Delta R.T. -0.071 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:122 Resp: 11896  
Ion Ratio Lower Upper  
122 100  
105 128.4 108.2 148.2  
77 111.6 85.2 125.2

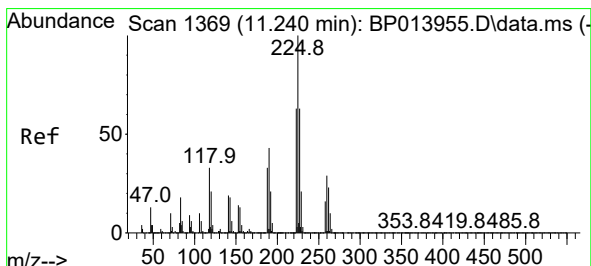
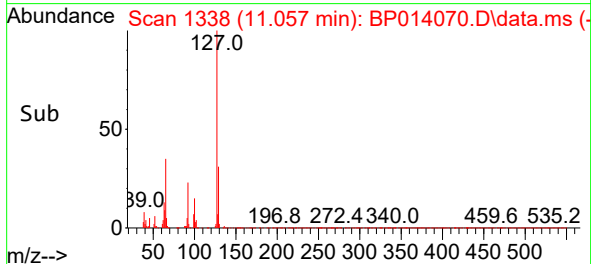
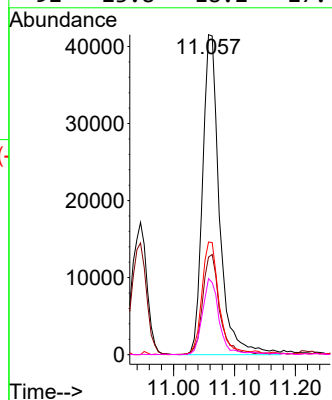
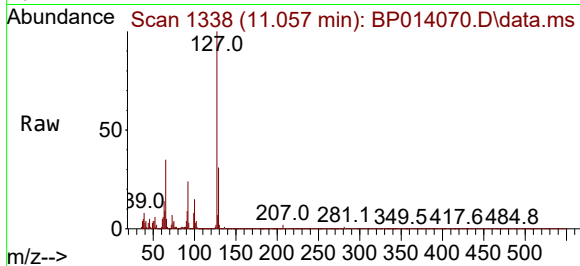




#33  
4-Chloroaniline  
Concen: 6.479 ng  
RT: 11.057 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

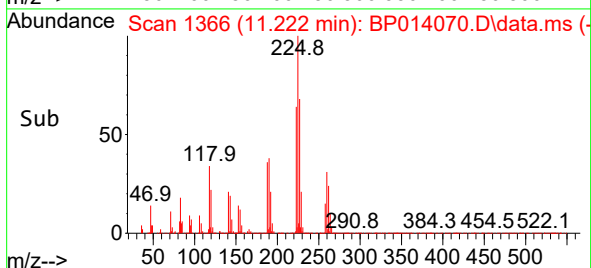
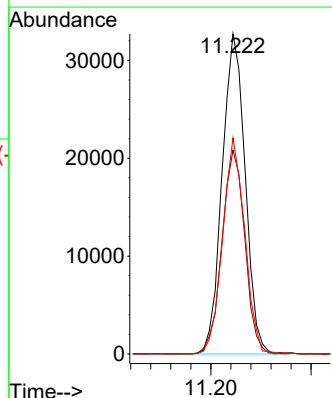
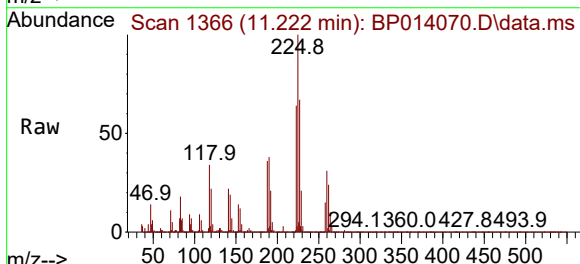
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

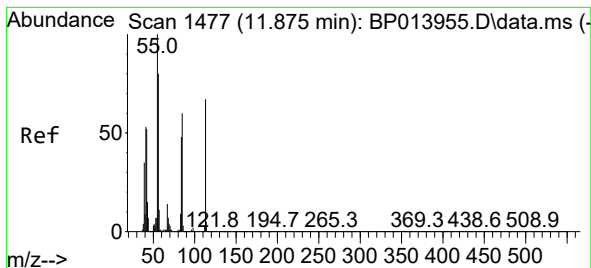
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 80060 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 30.5  | 26.2  | 39.2  |
| 65        | 35.2  | 27.0  | 40.4  |
| 92        | 23.8  | 18.2  | 27.4  |



#34  
Hexachlorobutadiene  
Concen: 6.919 ng  
RT: 11.222 min Scan# 1366  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 51922 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.7  | 50.6  | 76.0  |
| 227       | 67.5  | 50.2  | 75.4  |





#35

Caprolactam

Concen: 5.452 ng

RT: 11.834 min Scan# 1477

Delta R.T. -0.023 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

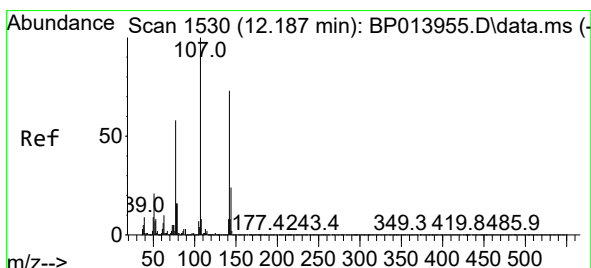
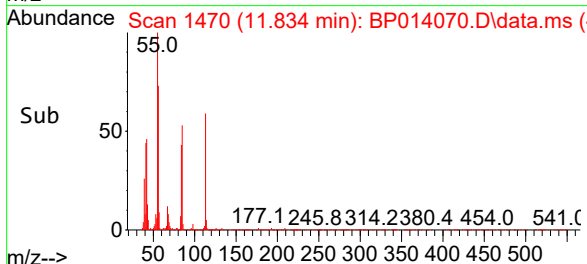
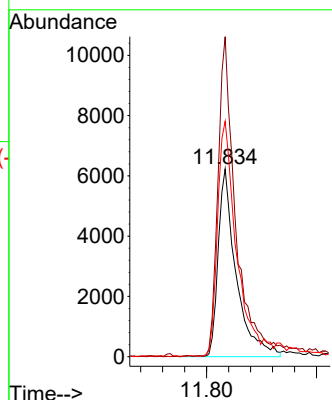
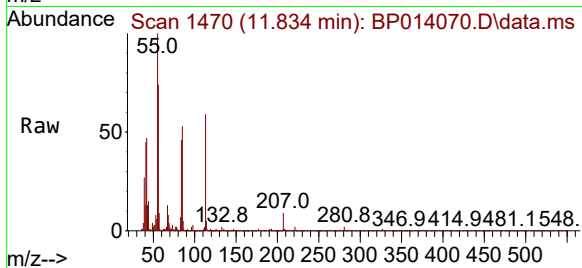
Tgt Ion:113 Resp: 14189

Ion Ratio Lower Upper

113 100

55 170.4 128.9 168.9#

56 125.3 99.6 139.6



#36

4-Chloro-3-methylphenol

Concen: 6.374 ng

RT: 12.169 min Scan# 1527

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

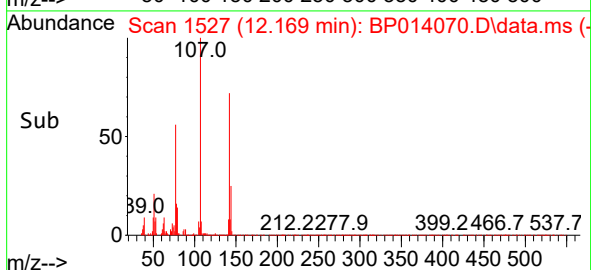
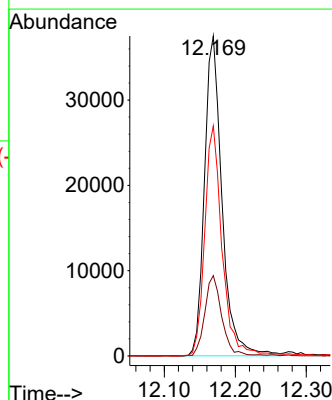
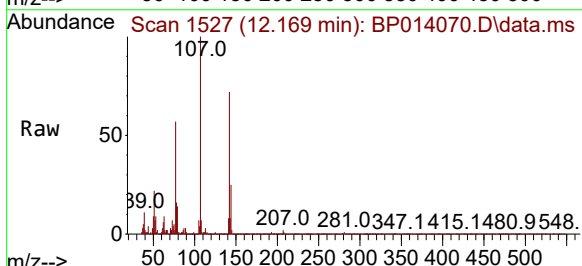
Tgt Ion:107 Resp: 64635

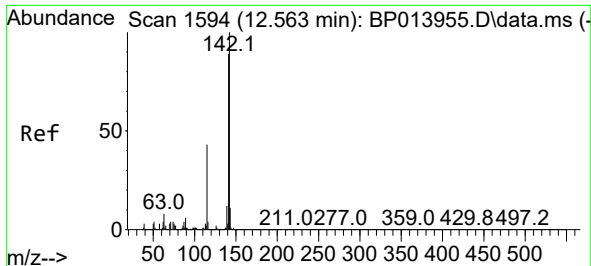
Ion Ratio Lower Upper

107 100

144 25.1 19.3 28.9

142 71.9 58.5 87.7

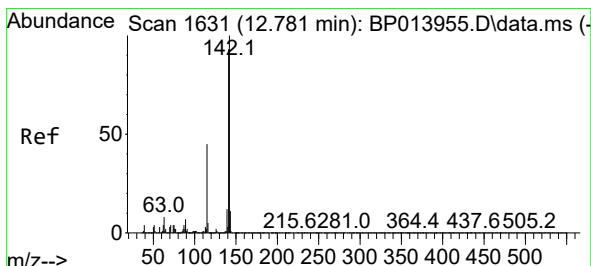
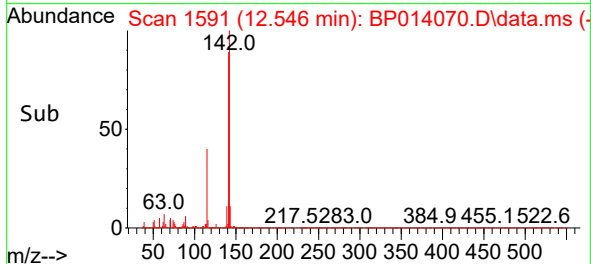
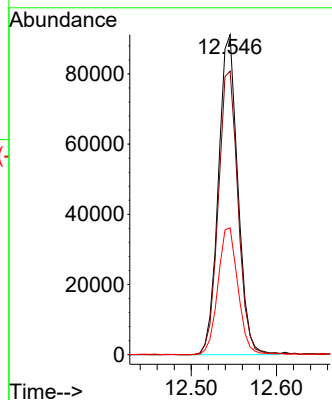
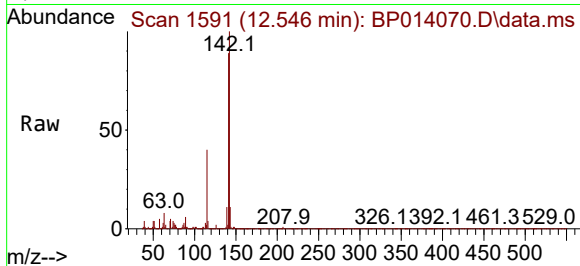




#37  
2-Methylnaphthalene  
Concen: 6.810 ng  
RT: 12.546 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

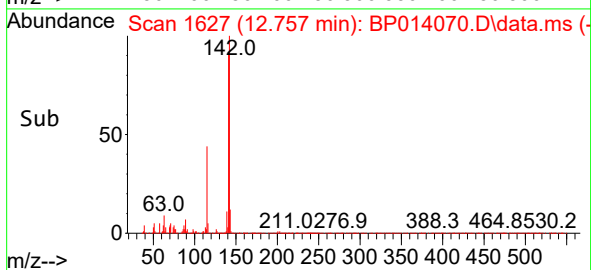
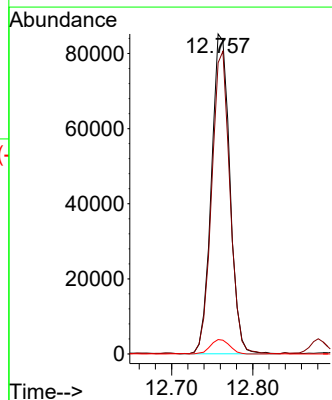
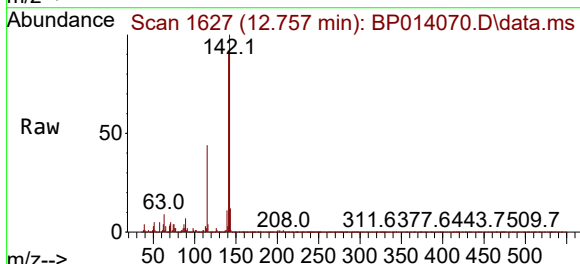
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

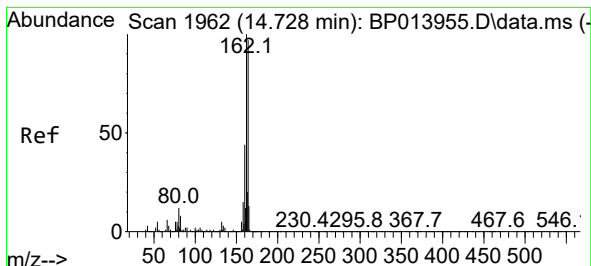
Tgt Ion:142 Resp: 144825  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.0 106.4  
115 39.6 34.5 51.7



#38  
1-Methylnaphthalene  
Concen: 6.775 ng  
RT: 12.757 min Scan# 1627  
Delta R.T. -0.012 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:142 Resp: 134300  
Ion Ratio Lower Upper  
142 100  
141 91.0 74.4 111.6  
116 4.5 3.6 5.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.710 min Scan# 1962

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

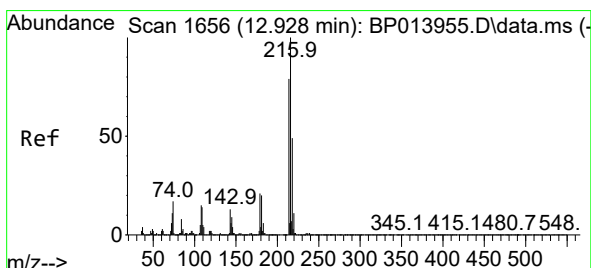
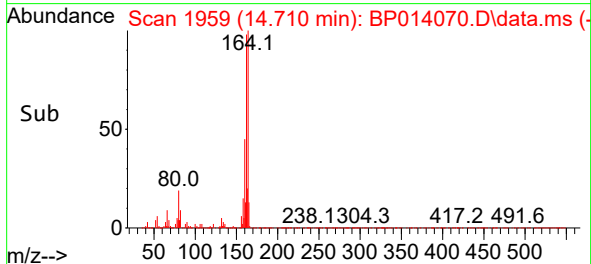
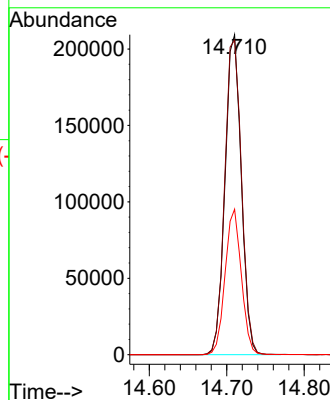
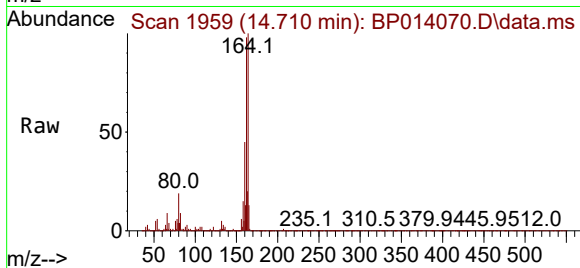
Tgt Ion:164 Resp: 304692

Ion Ratio Lower Upper

164 100

162 98.3 82.1 123.1

160 45.5 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.562 ng

RT: 12.904 min Scan# 1652

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:216 Resp: 87822

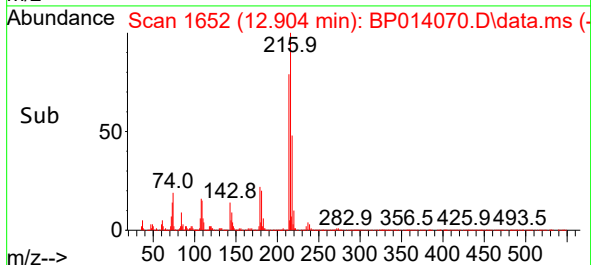
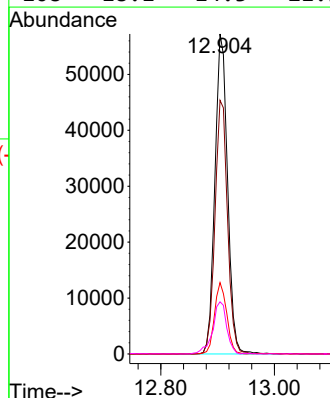
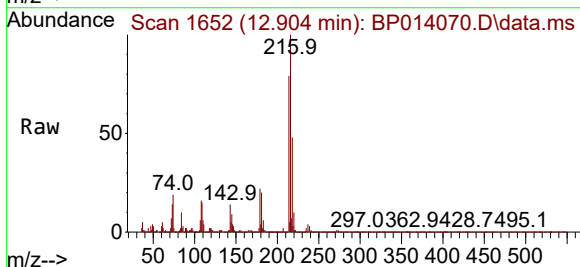
Ion Ratio Lower Upper

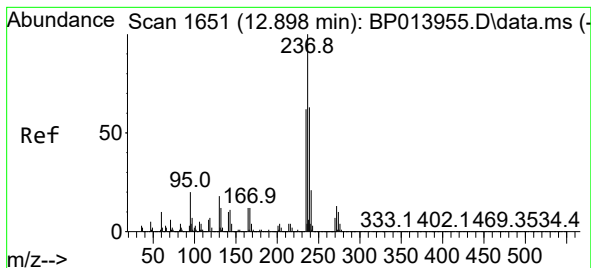
216 100

214 79.0 62.2 93.2

179 21.6 16.6 24.8

108 18.1 14.3 21.5

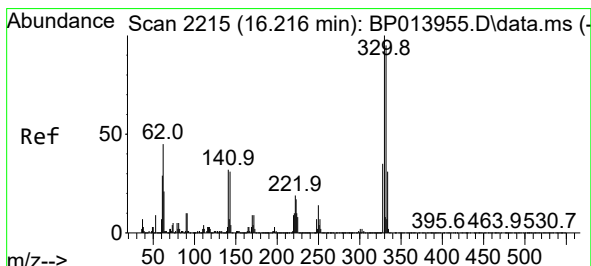
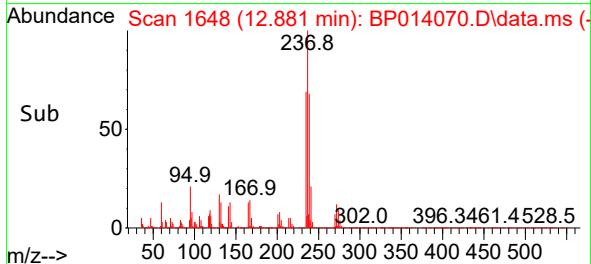
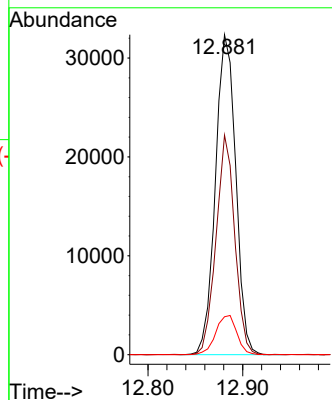
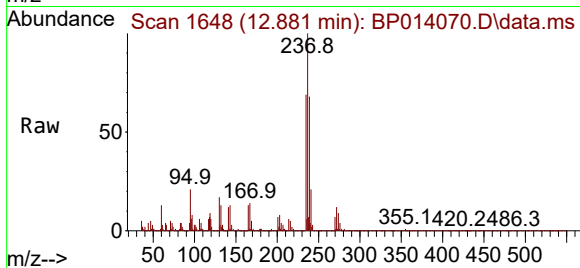




#41  
Hexachlorocyclopentadiene  
Concen: 6.615 ng  
RT: 12.881 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

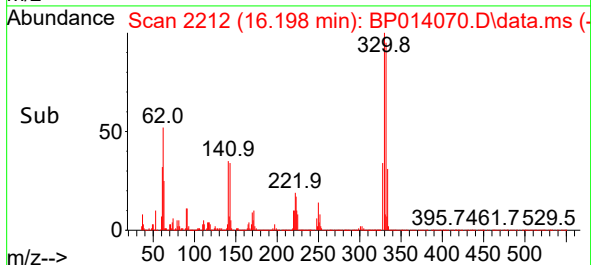
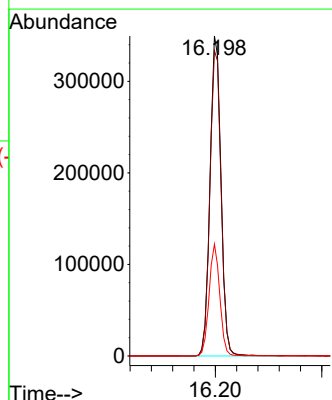
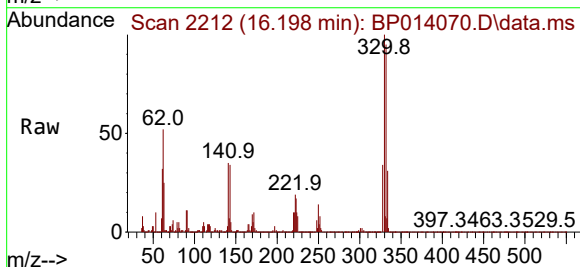
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

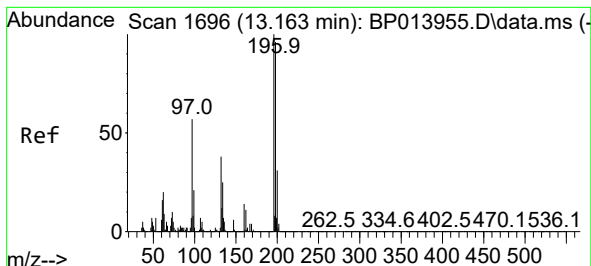
Tgt Ion:237 Resp: 48215  
Ion Ratio Lower Upper  
237 100  
235 68.6 41.9 81.9  
272 11.9 0.0 32.6



#42  
2,4,6-Tribromophenol  
Concen: 101.760 ng  
RT: 16.198 min Scan# 2212  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:330 Resp: 502707  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.1 115.7  
141 34.0 25.6 38.4





#43

2,4,6-Trichlorophenol

Concen: 6.569 ng

RT: 13.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

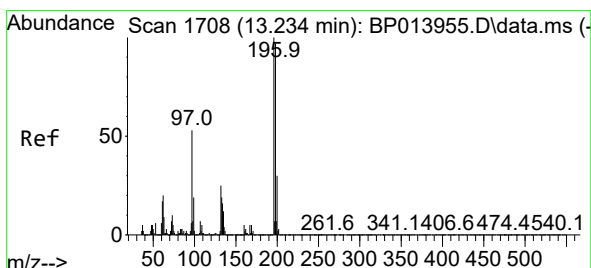
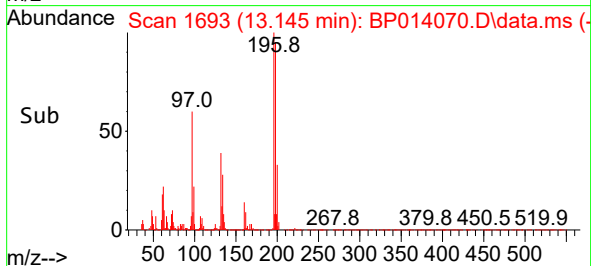
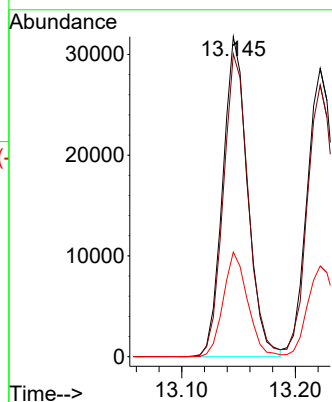
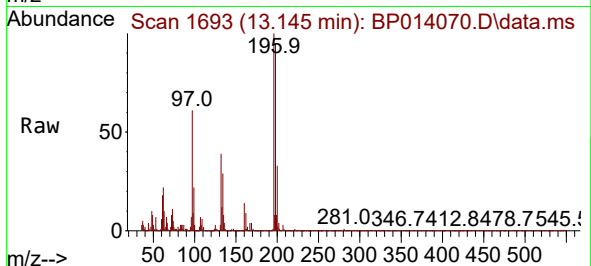
Tgt Ion:196 Resp: 48227

Ion Ratio Lower Upper

196 100

198 94.6 76.7 115.1

200 32.7 25.2 37.8



#44

2,4,5-Trichlorophenol

Concen: 5.958 ng

RT: 13.222 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:196 Resp: 50680

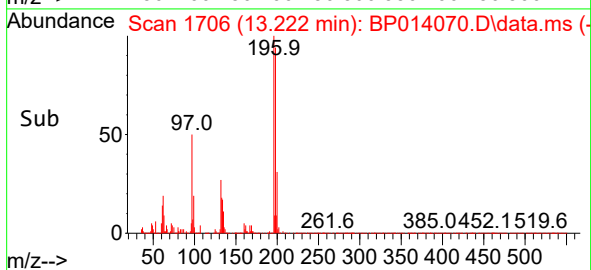
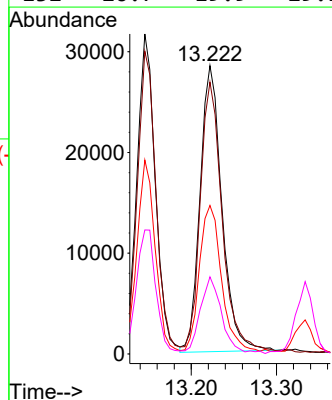
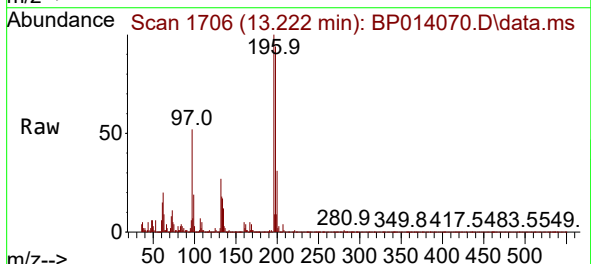
Ion Ratio Lower Upper

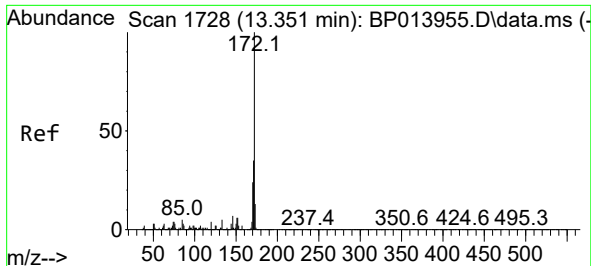
196 100

198 94.3 77.5 116.3

97 51.5 42.6 64.0

132 26.7 19.9 29.9

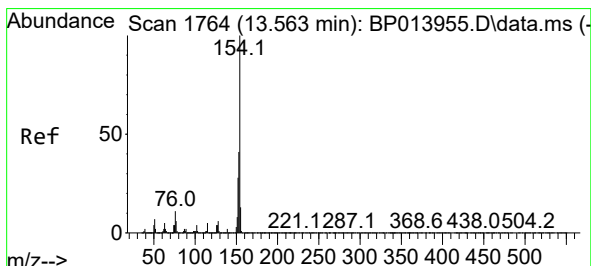
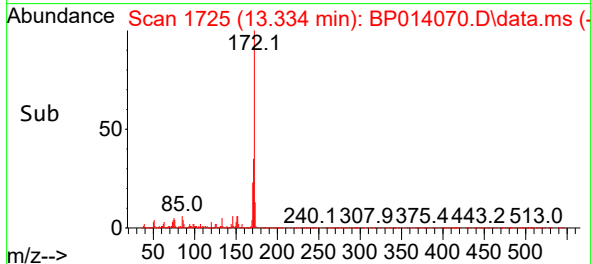
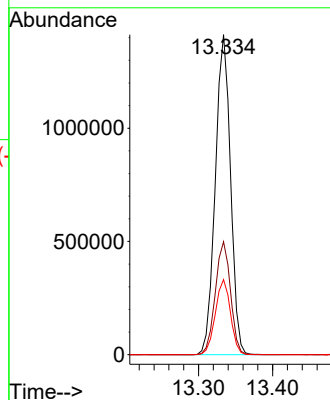
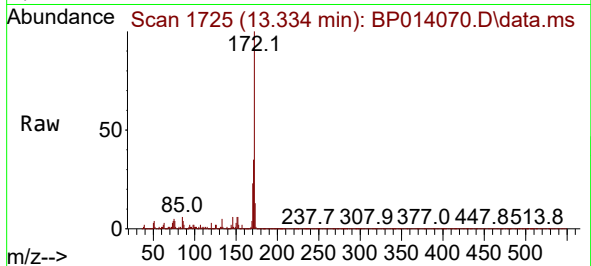




#45  
2-Fluorobiphenyl  
Concen: 85.605 ng  
RT: 13.334 min Scan# 1725  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

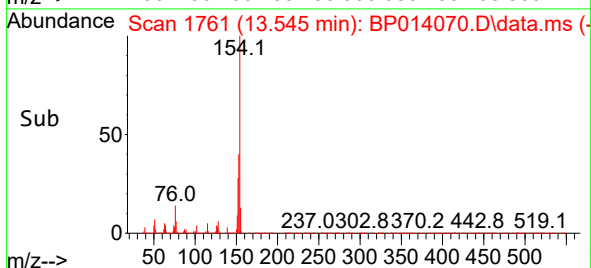
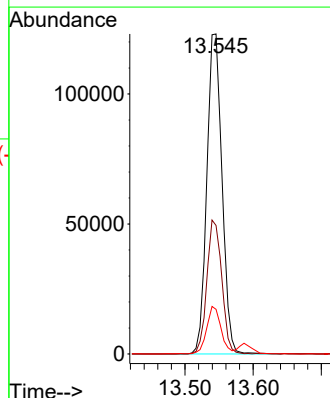
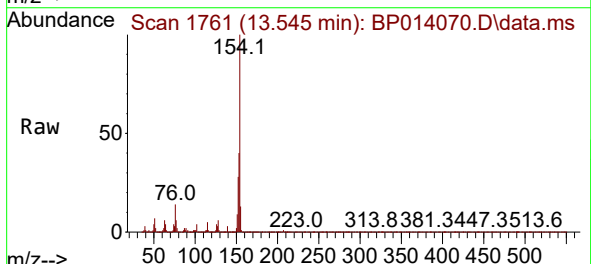
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

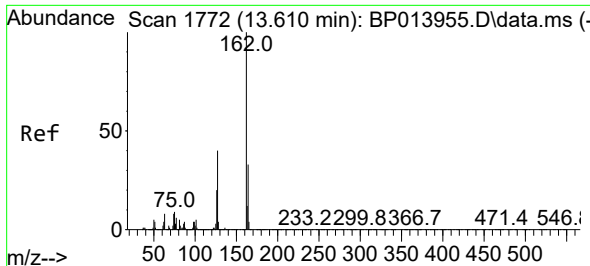
Tgt Ion:172 Resp: 2013244  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.3 42.5  
170 23.5 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 7.781 ng  
RT: 13.545 min Scan# 1761  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:154 Resp: 190820  
Ion Ratio Lower Upper  
154 100  
153 40.2 21.0 61.0  
76 13.9 0.0 31.0

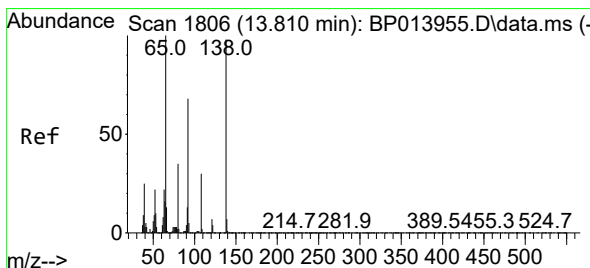
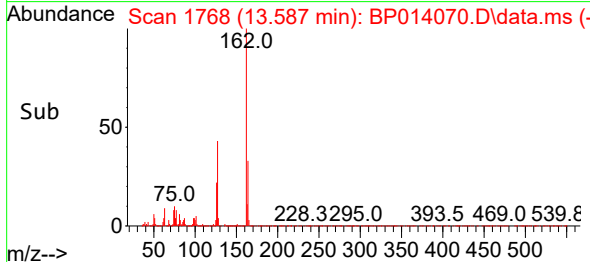
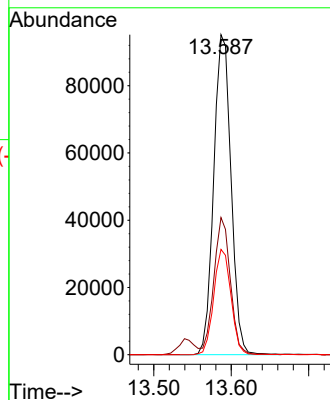
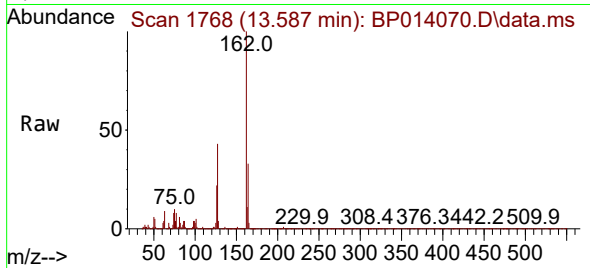




#47  
2-Chloronaphthalene  
Concen: 7.840 ng  
RT: 13.587 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

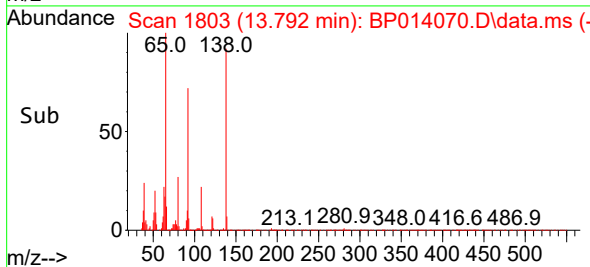
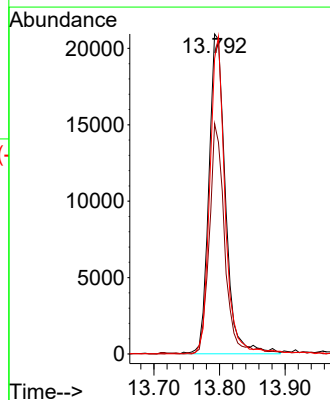
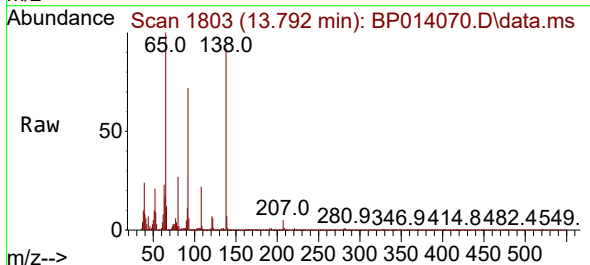
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

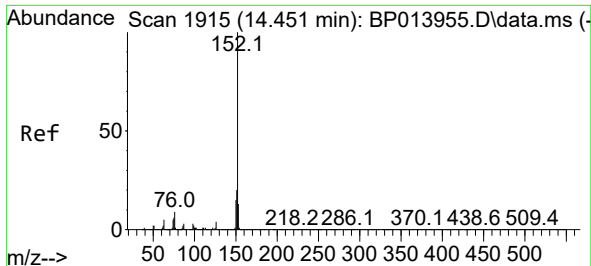
Tgt Ion:162 Resp: 148025  
Ion Ratio Lower Upper  
162 100  
127 42.9 32.5 48.7  
164 32.9 26.3 39.5



#48  
2-Nitroaniline  
Concen: 6.403 ng  
RT: 13.792 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion: 65 Resp: 36688  
Ion Ratio Lower Upper  
65 100  
92 71.9 54.4 81.6  
138 92.3 78.0 117.0

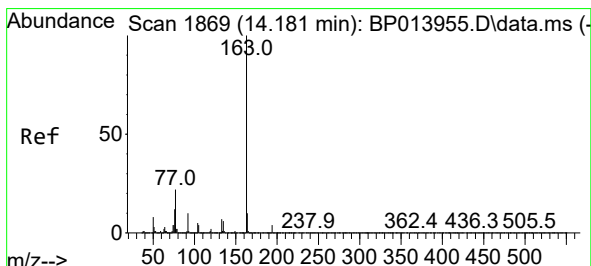
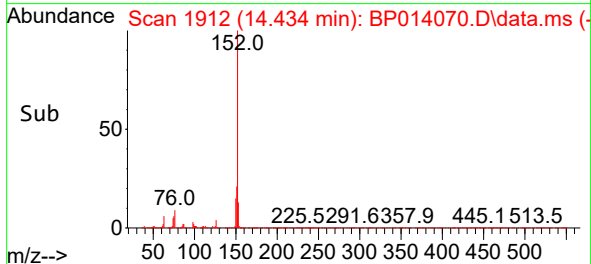
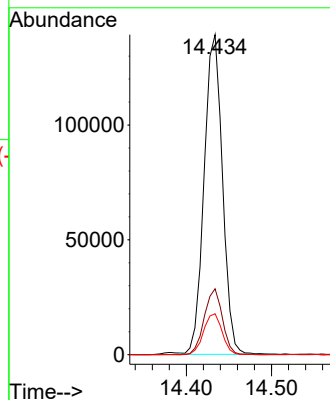
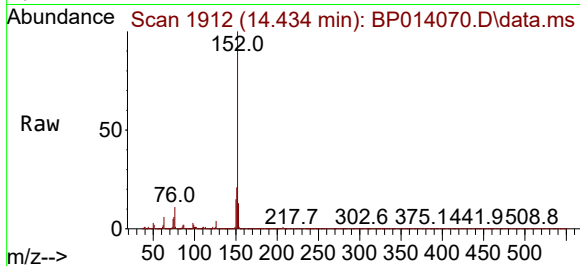




#49  
Acenaphthylene  
Concen: 6.947 ng  
RT: 14.434 min Scan# 1915  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

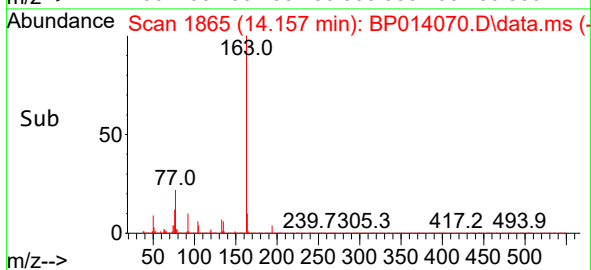
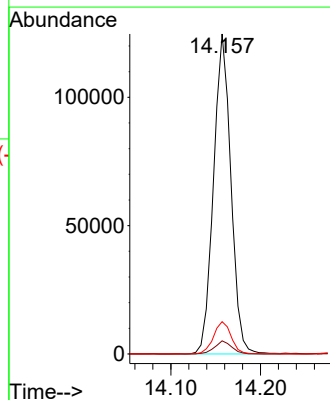
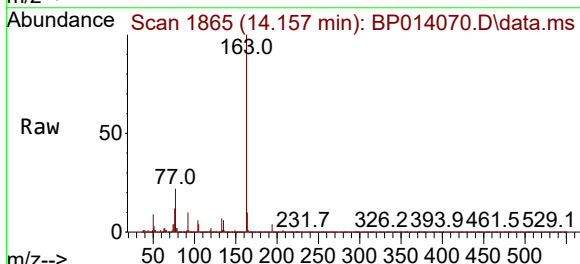
Instrument : BNA\_P  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

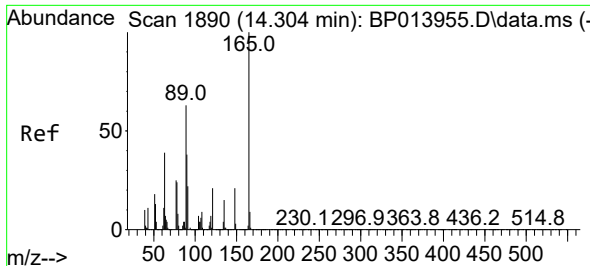
Tgt Ion:152 Resp: 208584  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.1 24.1  
153 12.8 10.4 15.6



#50  
Dimethylphthalate  
Concen: 6.668 ng  
RT: 14.157 min Scan# 1865  
Delta R.T. -0.012 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:163 Resp: 167620  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.2  
164 10.1 8.1 12.1

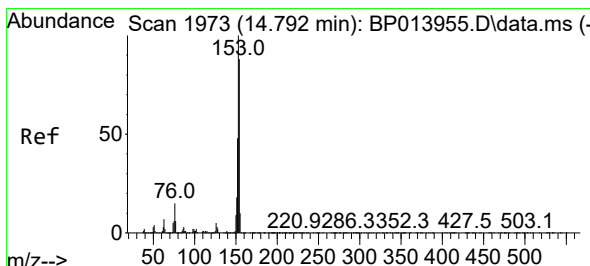
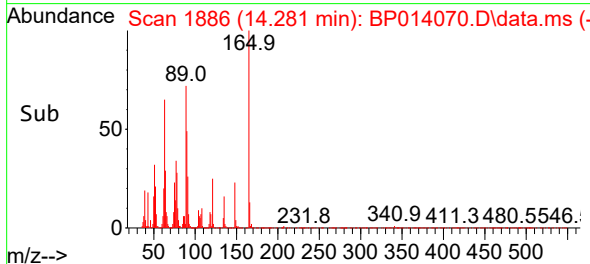
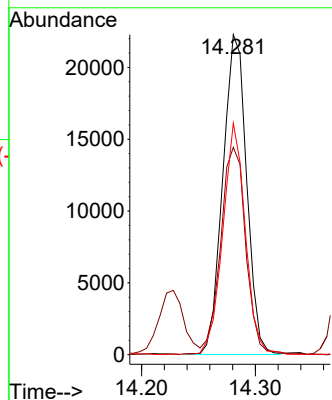
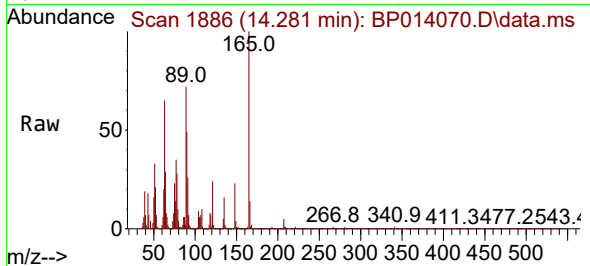




#51  
2,6-Dinitrotoluene  
Concen: 6.130 ng  
RT: 14.281 min Scan# 1890  
Delta R.T. -0.012 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

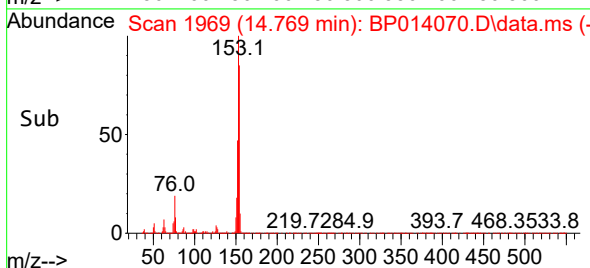
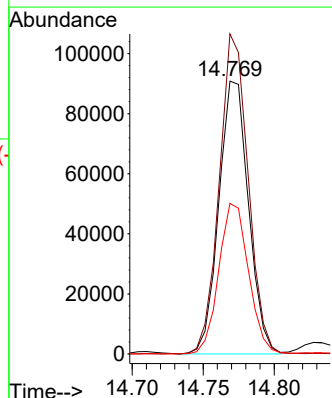
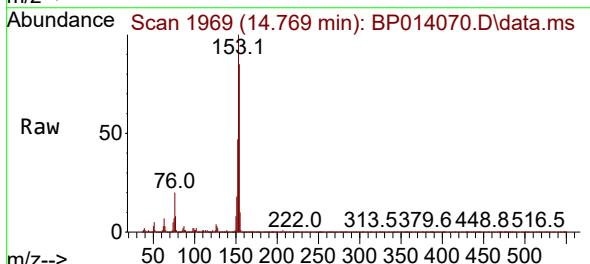
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

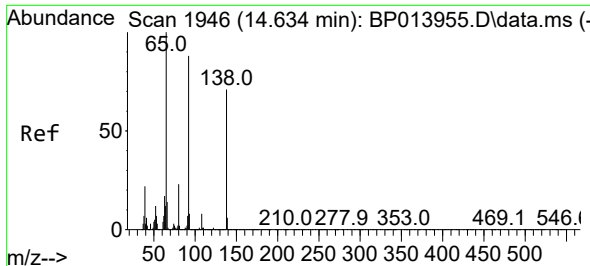
Tgt Ion:165 Resp: 32451  
Ion Ratio Lower Upper  
165 100  
63 64.8 46.7 70.1  
89 72.3 50.8 76.2



#52  
Acenaphthene  
Concen: 7.298 ng  
RT: 14.769 min Scan# 1969  
Delta R.T. -0.012 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:154 Resp: 131911  
Ion Ratio Lower Upper  
154 100  
153 117.3 91.3 136.9  
152 55.2 43.4 65.0

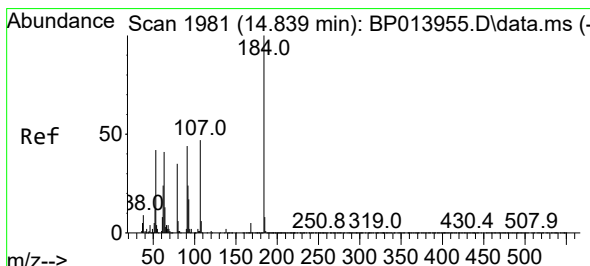
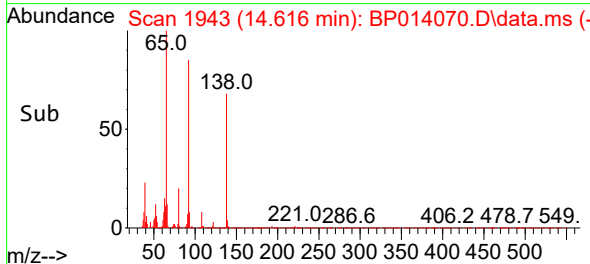
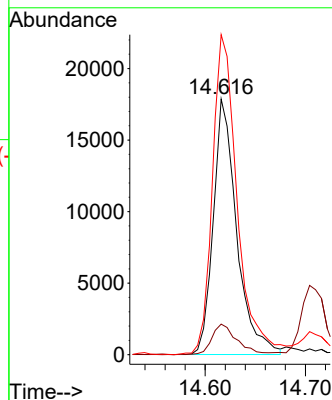
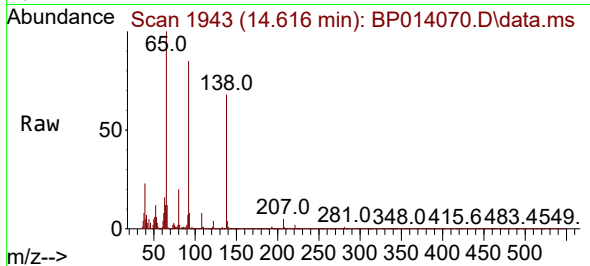




#53  
3-Nitroaniline  
Concen: 5.591 ng  
RT: 14.616 min Scan# 1943  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

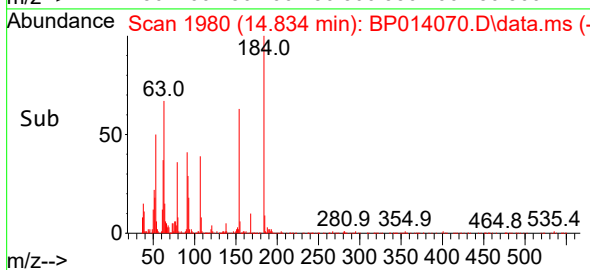
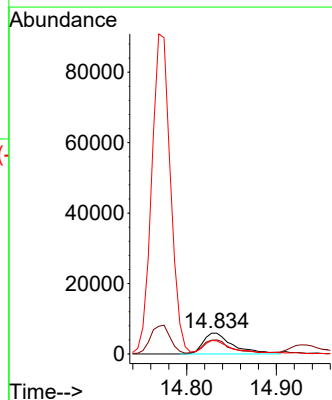
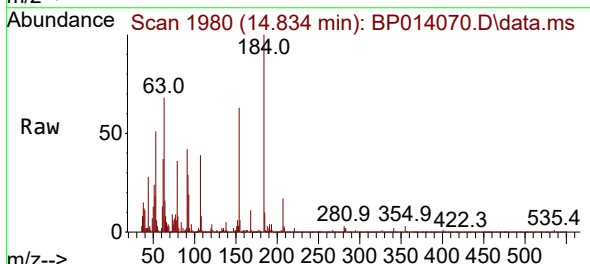
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

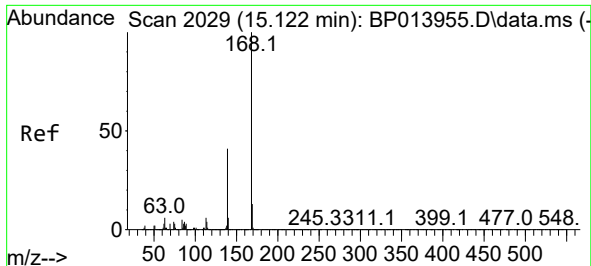
Tgt Ion:138 Resp: 29007  
Ion Ratio Lower Upper  
138 100  
108 12.0 9.5 14.3  
92 125.2 99.2 148.8



#54  
2,4-Dinitrophenol  
Concen: 6.420 ng  
RT: 14.834 min Scan# 1980  
Delta R.T. 0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:184 Resp: 13642  
Ion Ratio Lower Upper  
184 100  
63 67.7 52.4 78.6  
154 63.2 59.4 89.2

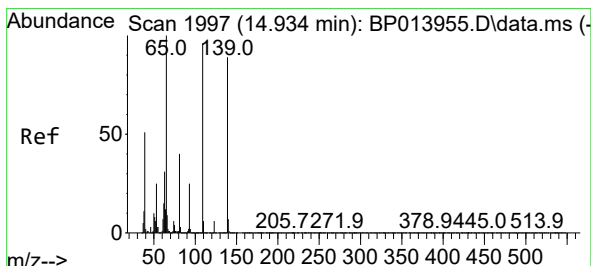
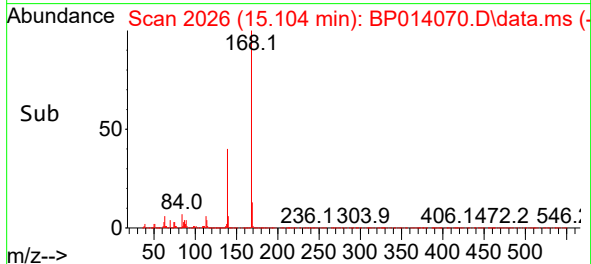
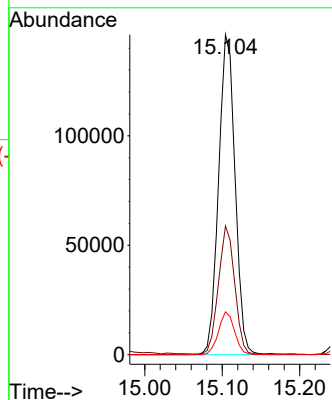
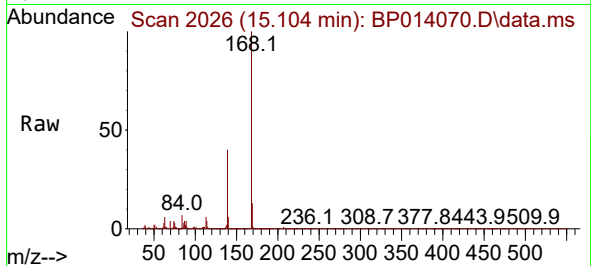




#55  
Dibenzenofuran  
Concen: 7.330 ng  
RT: 15.104 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

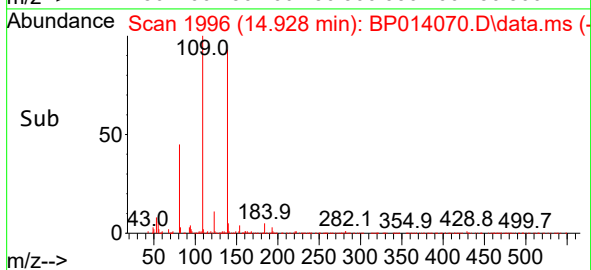
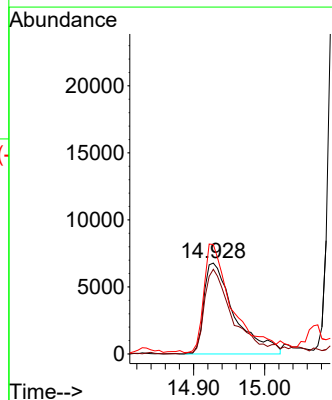
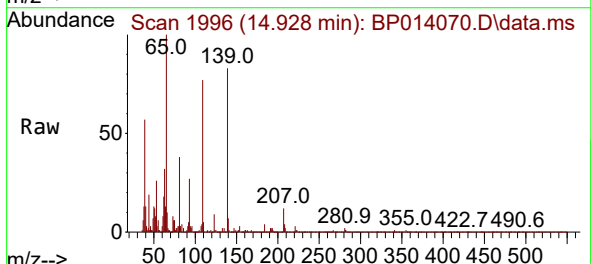
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

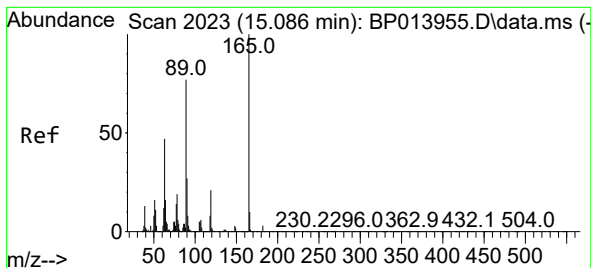
Tgt Ion:168 Resp: 215981  
Ion Ratio Lower Upper  
168 100  
139 40.2 32.9 49.3  
169 13.4 10.6 15.8



#56  
4-Nitrophenol  
Concen: 4.782 ng  
RT: 14.928 min Scan# 1996  
Delta R.T. 0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:139 Resp: 20202  
Ion Ratio Lower Upper  
139 100  
109 93.1 87.0 127.0  
65 120.5 92.1 132.1

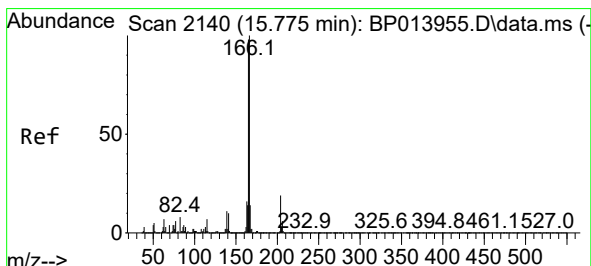
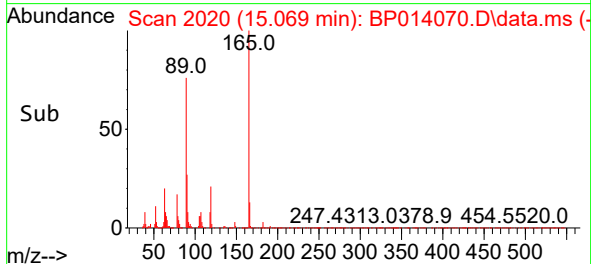
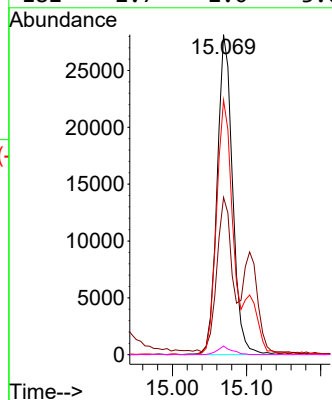
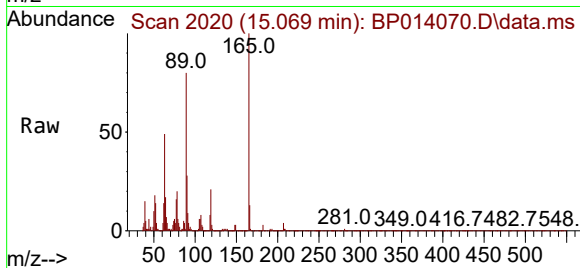




#57  
2,4-Dinitrotoluene  
Concen: 5.777 ng  
RT: 15.069 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

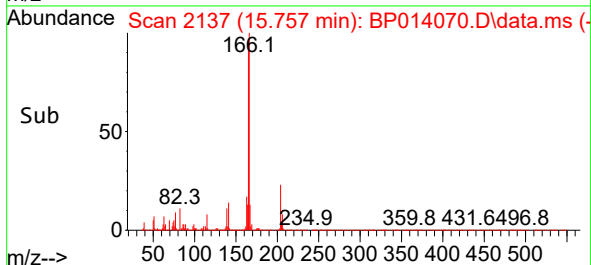
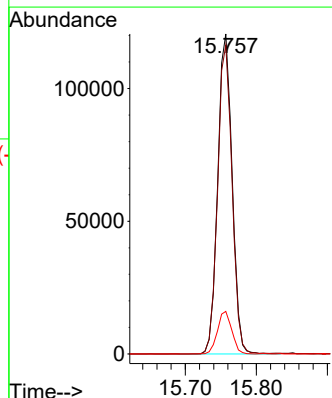
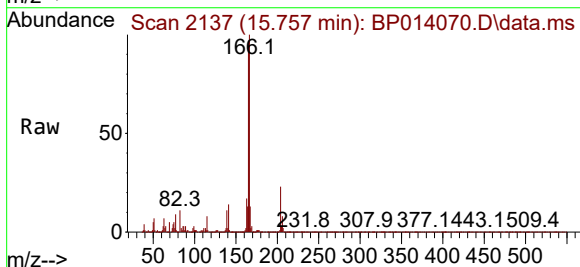
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

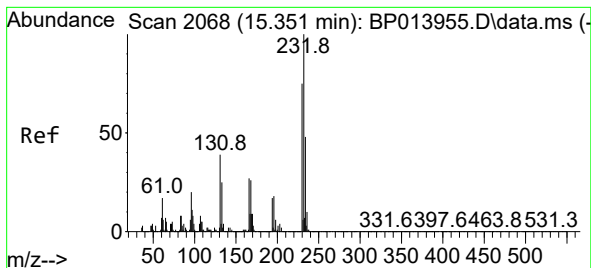
Tgt Ion:165 Resp: 40881  
Ion Ratio Lower Upper  
165 100  
63 49.2 37.5 56.3  
89 79.6 61.8 92.8  
182 2.7 2.0 3.0



#58  
Fluorene  
Concen: 7.223 ng  
RT: 15.757 min Scan# 2137  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:166 Resp: 168981  
Ion Ratio Lower Upper  
166 100  
165 96.5 78.1 117.1  
167 13.3 10.8 16.2

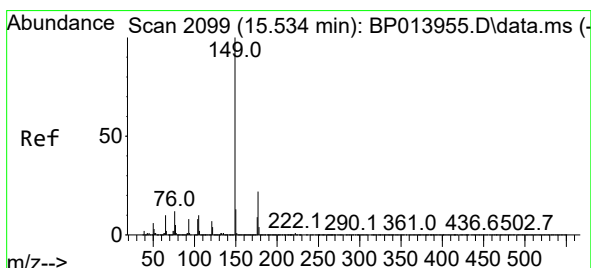
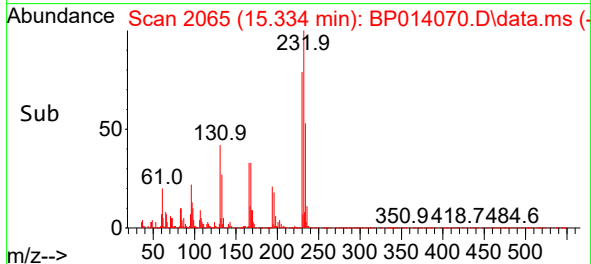
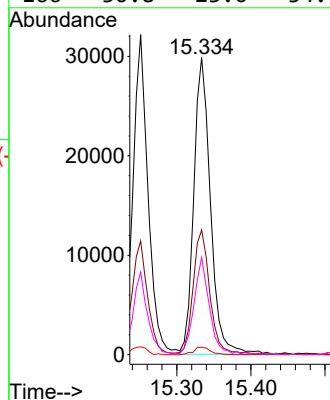
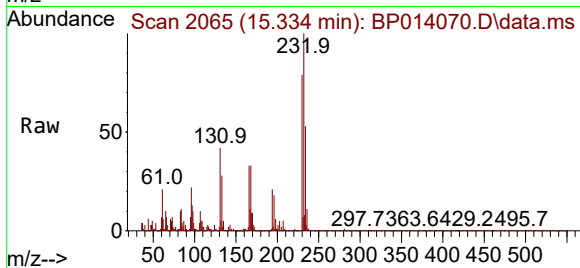




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.260 ng  
RT: 15.334 min Scan# 2065  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

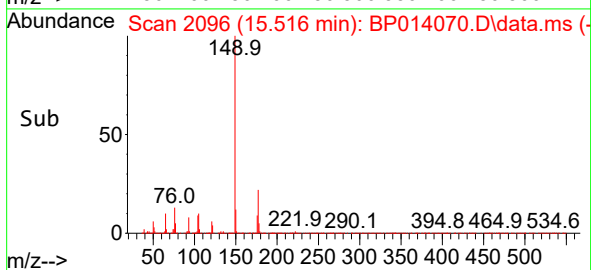
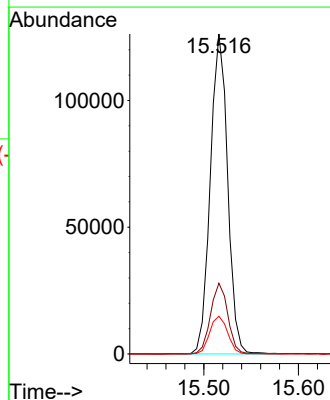
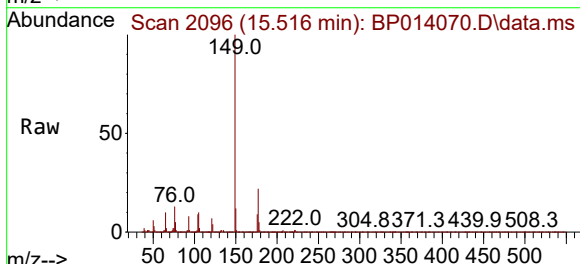
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

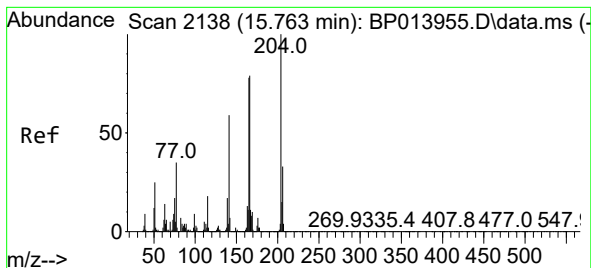
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 46460     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 42.3  | 32.5 48.7 |
| 130         | 2.6   | 1.9 2.9   |
| 166         | 30.8  | 23.0 34.6 |



#60  
Diethylphthalate  
Concen: 6.461 ng  
RT: 15.516 min Scan# 2096  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 160357    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 22.1  | 18.0 27.0 |
| 150         | 11.8  | 10.3 15.5 |

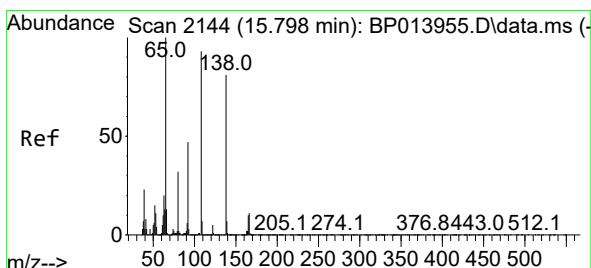
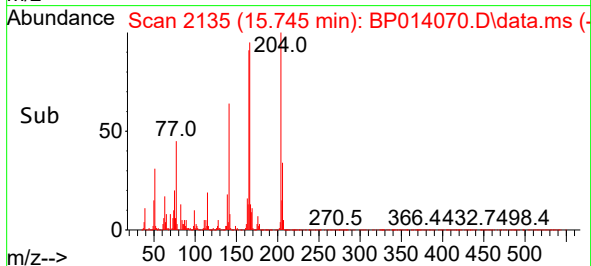
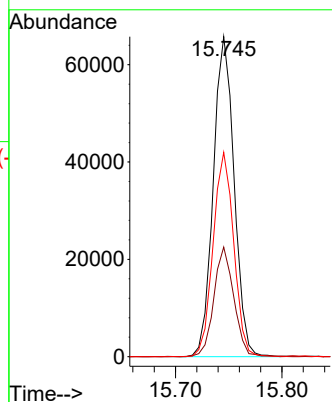
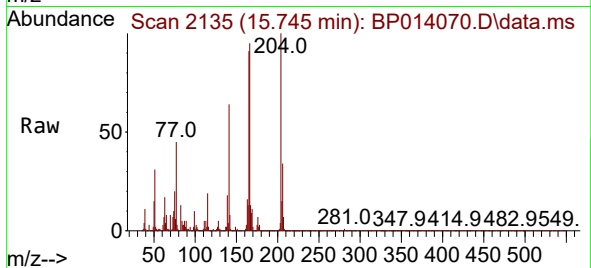




#61  
4-Chlorophenyl-phenylether  
Concen: 6.742 ng  
RT: 15.745 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

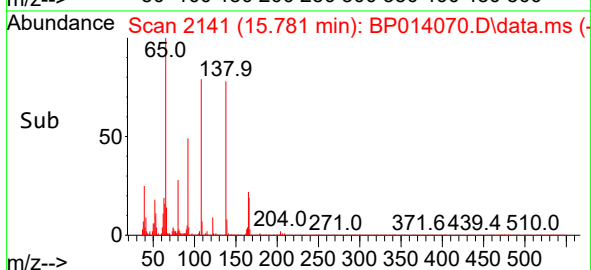
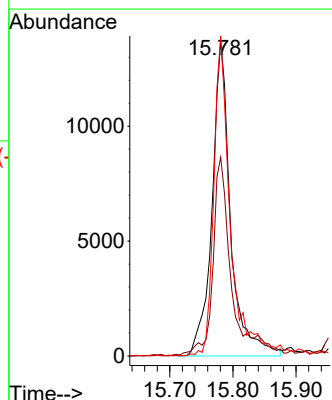
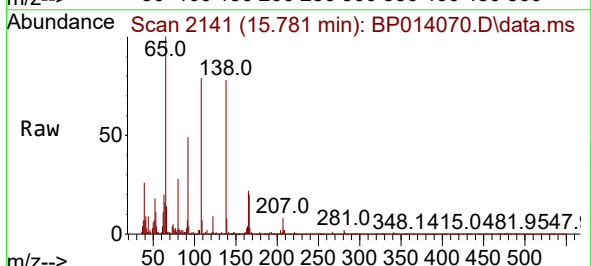
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

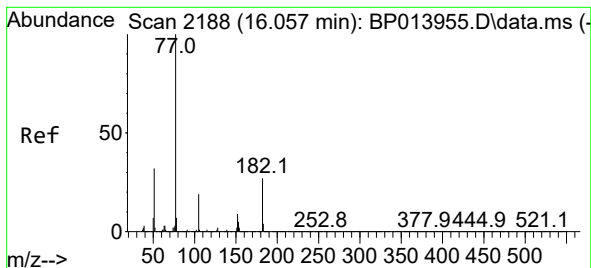
Tgt Ion:204 Resp: 89423  
Ion Ratio Lower Upper  
204 100  
206 34.3 26.2 39.4  
141 63.9 46.9 70.3



#62  
4-Nitroaniline  
Concen: 5.430 ng  
RT: 15.781 min Scan# 2141  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:138 Resp: 28048  
Ion Ratio Lower Upper  
138 100  
92 63.1 37.9 77.9  
108 101.6 94.9 134.9





#63

Azobenzene

Concen: 6.982 ng

RT: 16.039 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 77 Resp: 160350

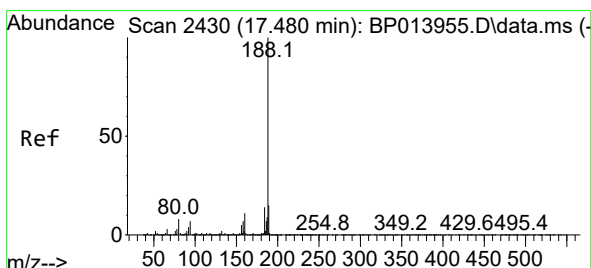
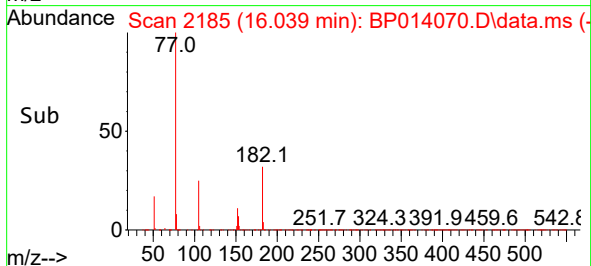
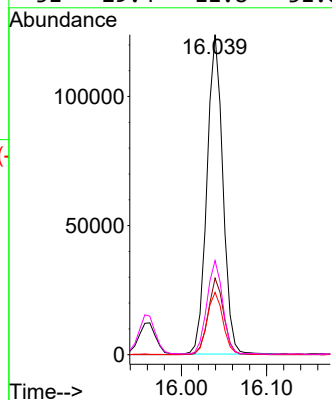
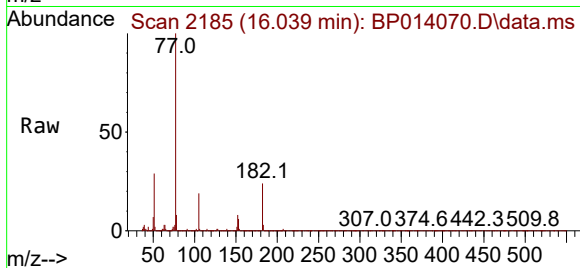
Ion Ratio Lower Upper

77 100

182 23.9 6.9 46.9

105 19.5 0.0 39.4

51 29.4 11.8 51.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

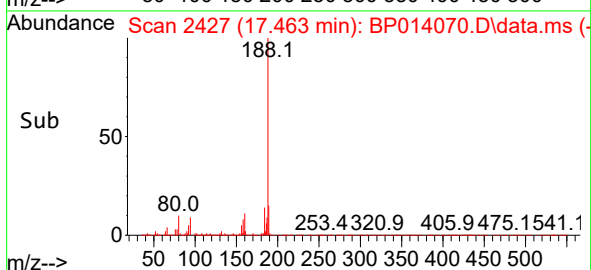
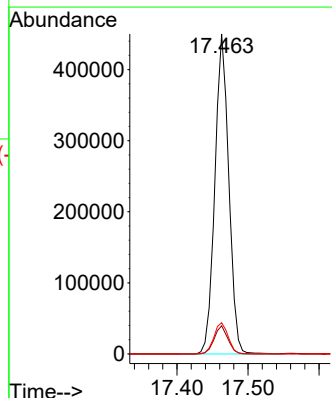
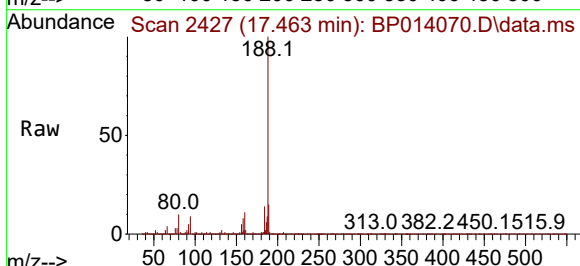
Tgt Ion: 188 Resp: 611437

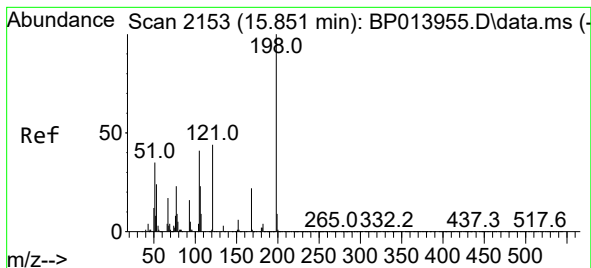
Ion Ratio Lower Upper

188 100

94 8.8 5.8 8.6#

80 9.8 6.6 9.8

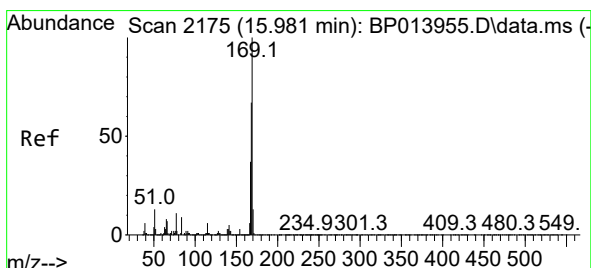
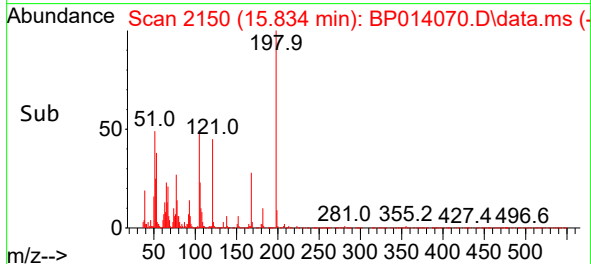
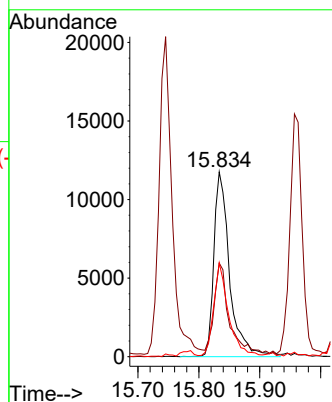
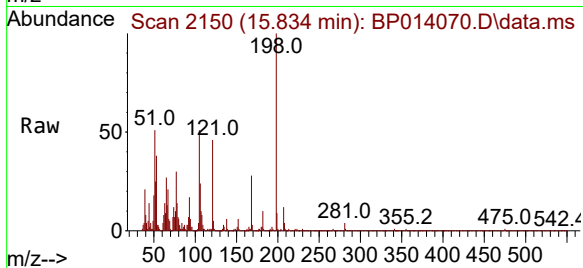




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.667 ng  
RT: 15.834 min Scan# 2153  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

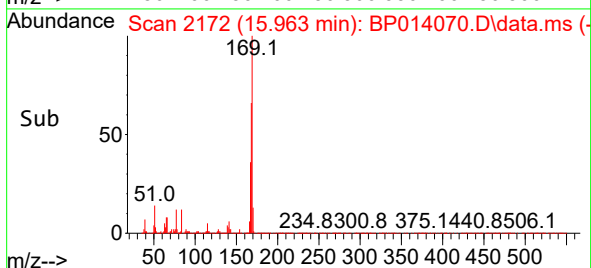
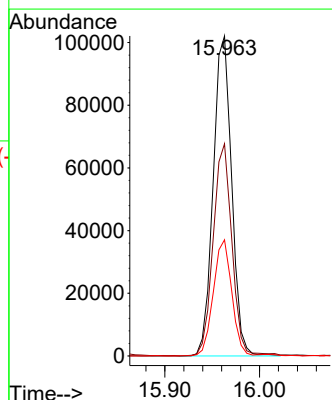
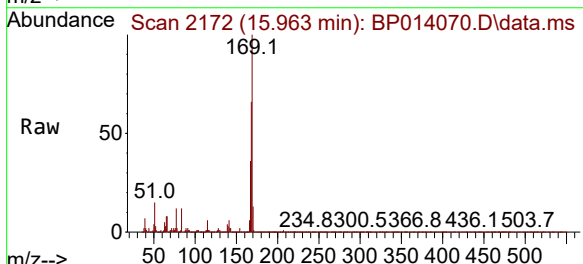
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

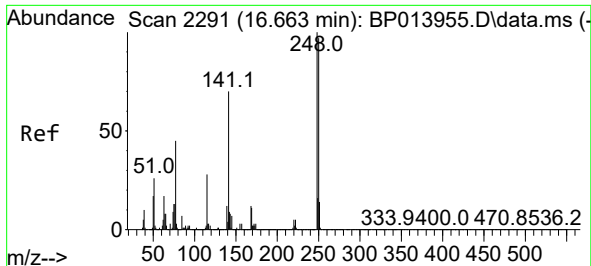
Tgt Ion:198 Resp: 21138  
Ion Ratio Lower Upper  
198 100  
51 50.6 22.1 62.1  
105 50.7 21.5 61.5



#66  
n-Nitrosodiphenylamine  
Concen: 7.164 ng  
RT: 15.963 min Scan# 2172  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:169 Resp: 138424  
Ion Ratio Lower Upper  
169 100  
168 66.3 54.0 81.0  
167 36.3 29.4 44.2

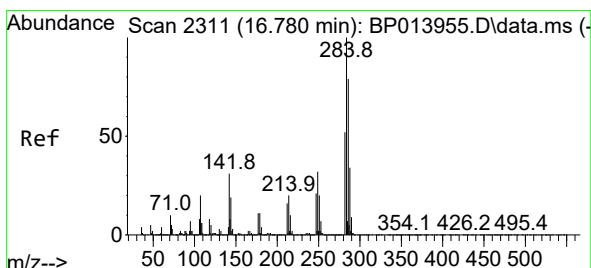
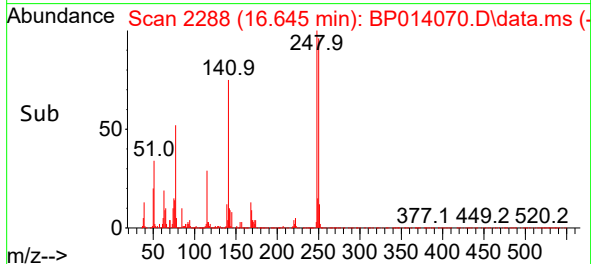
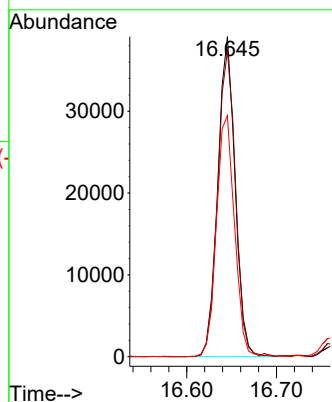
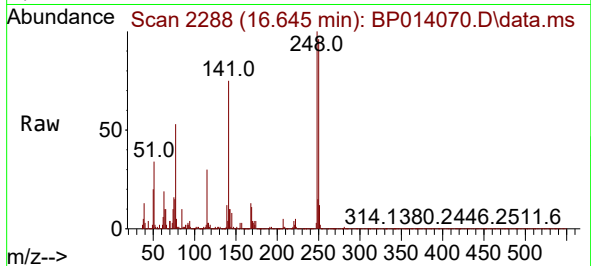




#67  
4-Bromophenyl-phenylether  
Concen: 6.493 ng  
RT: 16.645 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

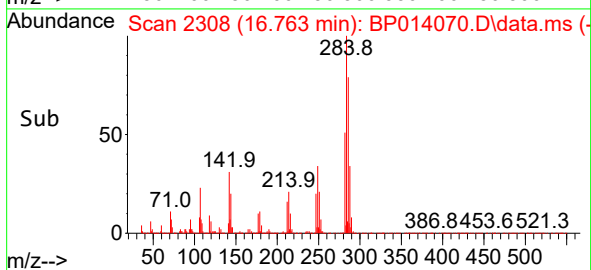
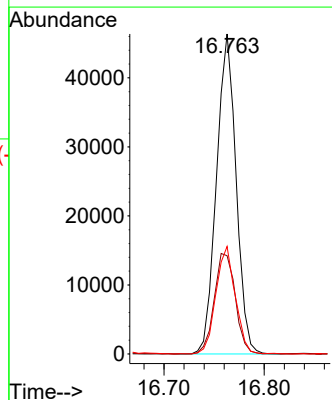
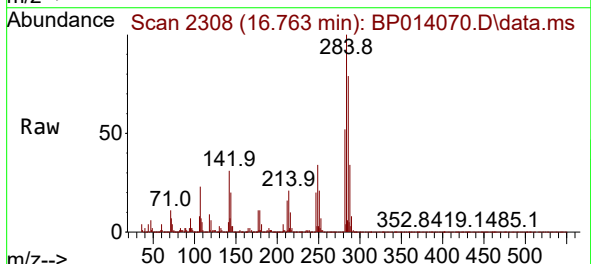
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

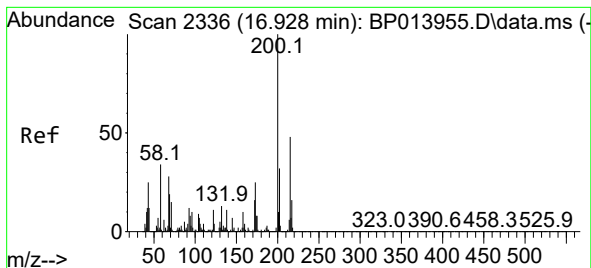
Tgt Ion:248 Resp: 52511  
Ion Ratio Lower Upper  
248 100  
250 95.6 77.9 116.9  
141 75.4 56.0 84.0



#68  
Hexachlorobenzene  
Concen: 7.250 ng  
RT: 16.763 min Scan# 2308  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:284 Resp: 62847  
Ion Ratio Lower Upper  
284 100  
142 30.7 24.8 37.2  
249 33.6 25.7 38.5





#69

Atrazine

Concen: 6.957 ng

RT: 16.910 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

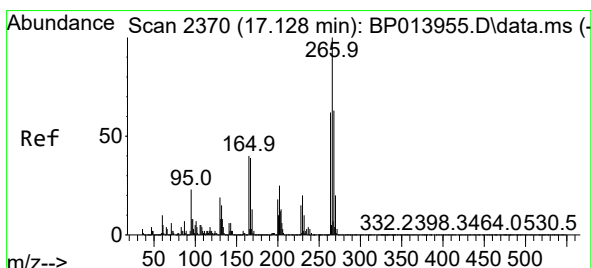
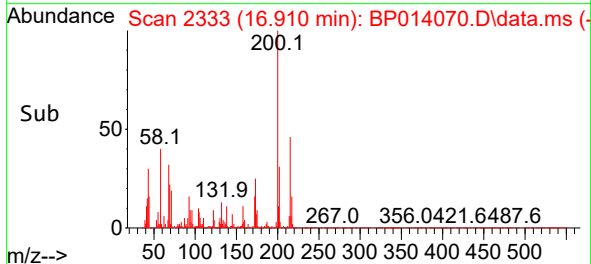
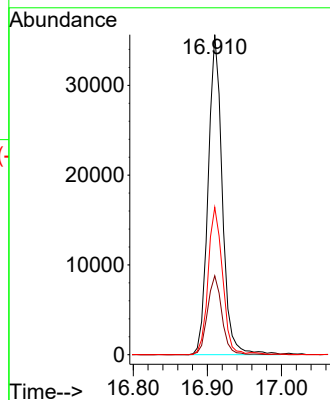
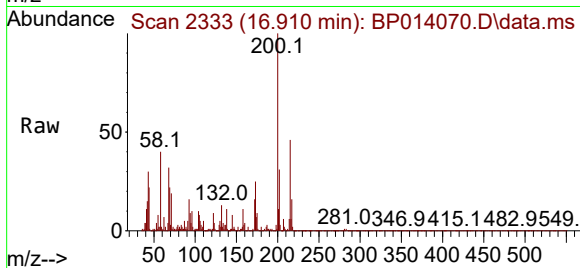
Tgt Ion:200 Resp: 47195

Ion Ratio Lower Upper

200 100

173 24.6 5.5 45.5

215 46.1 27.9 67.9



#70

Pentachlorophenol

Concen: 4.889 ng

RT: 17.110 min Scan# 2367

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

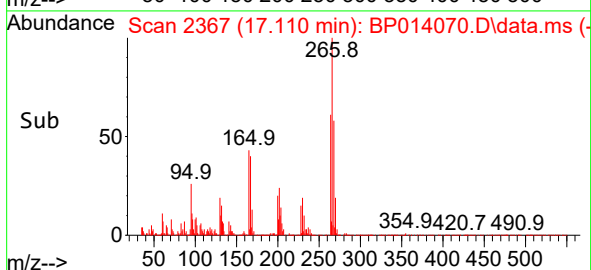
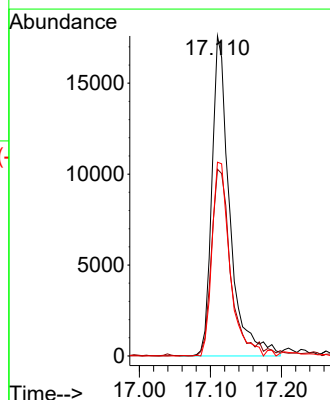
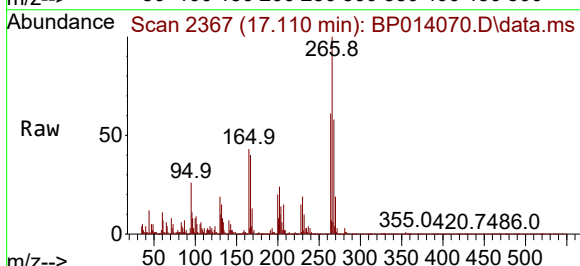
Tgt Ion:266 Resp: 30568

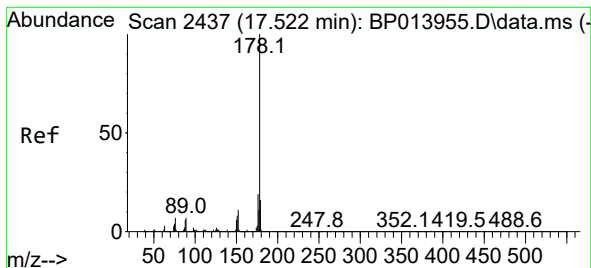
Ion Ratio Lower Upper

266 100

268 58.4 50.4 75.6

264 60.6 49.2 73.8





#71

Phenanthrene

Concen: 7.351 ng

RT: 17.504 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

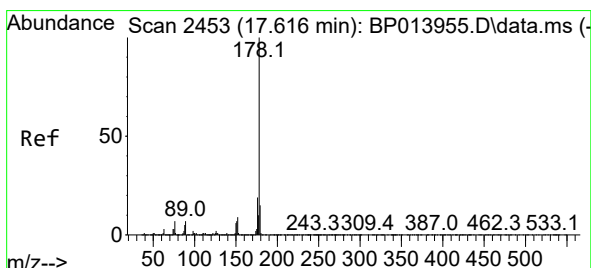
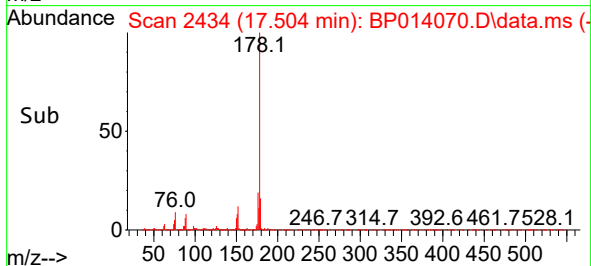
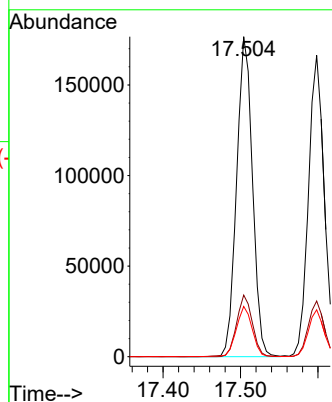
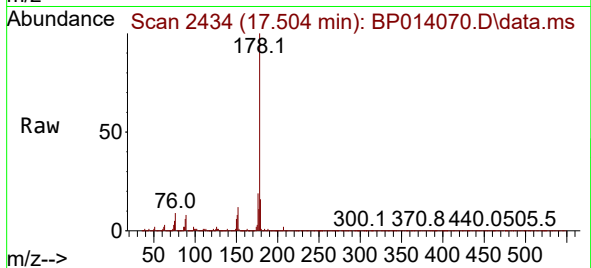
Tgt Ion:178 Resp: 251097

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.7 12.6 19.0



#72

Anthracene

Concen: 6.895 ng

RT: 17.598 min Scan# 2450

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

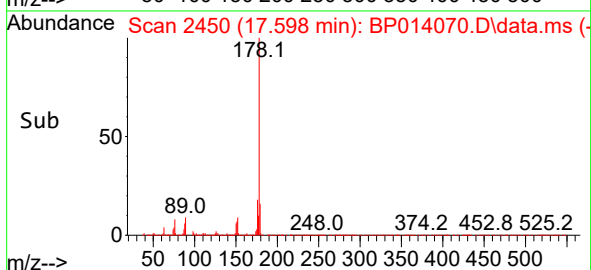
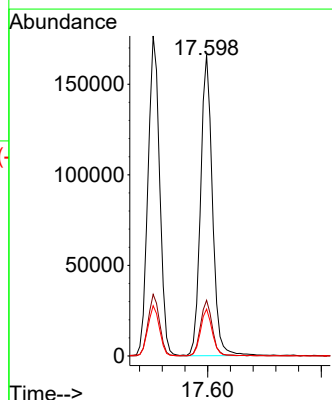
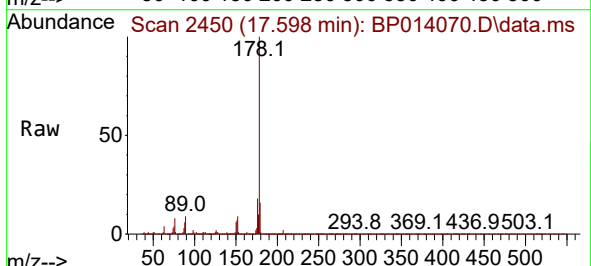
Tgt Ion:178 Resp: 240630

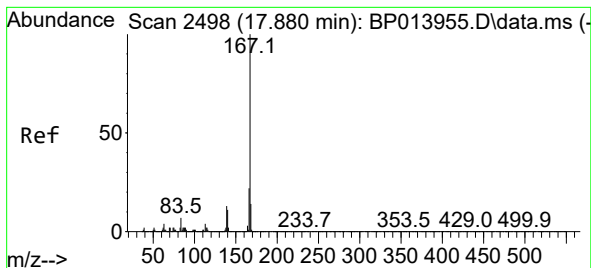
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.6 12.1 18.1





#73

Carbazole

Concen: 6.885 ng

RT: 17.869 min Scan# 2496

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

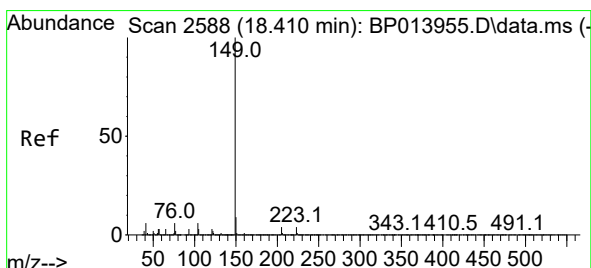
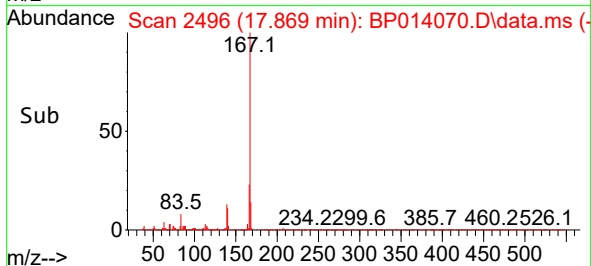
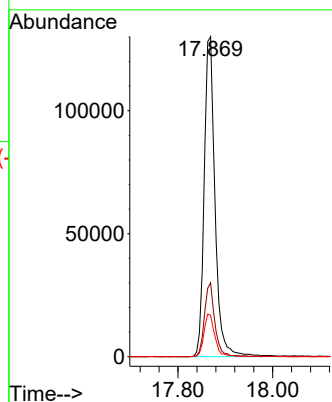
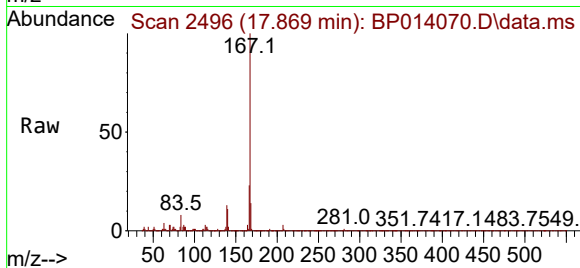
Tgt Ion:167 Resp: 207280

Ion Ratio Lower Upper

167 100

166 23.1 17.2 25.8

139 12.9 10.5 15.7



#74

Di-n-butylphthalate

Concen: 5.922 ng

RT: 18.398 min Scan# 2586

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

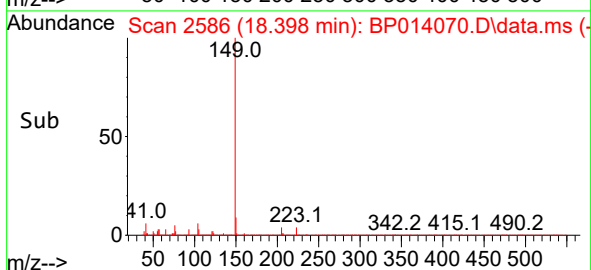
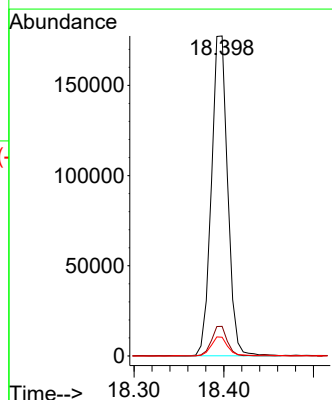
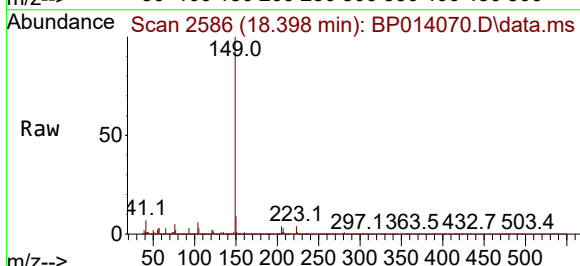
Tgt Ion:149 Resp: 222899

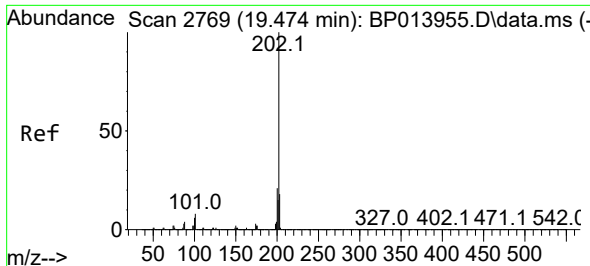
Ion Ratio Lower Upper

149 100

150 9.2 7.2 10.8

104 5.9 4.6 7.0

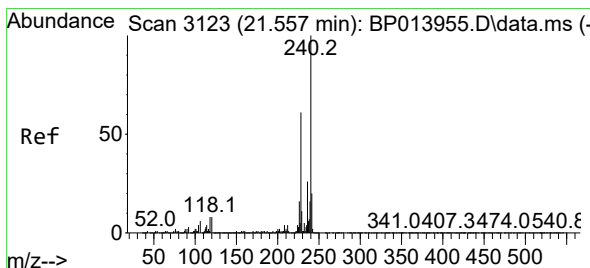
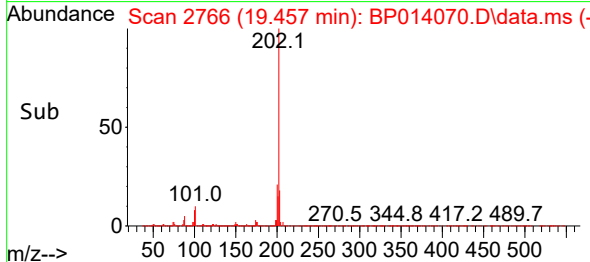
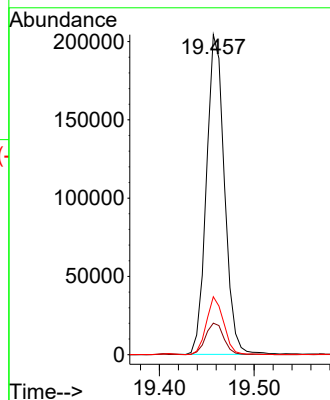
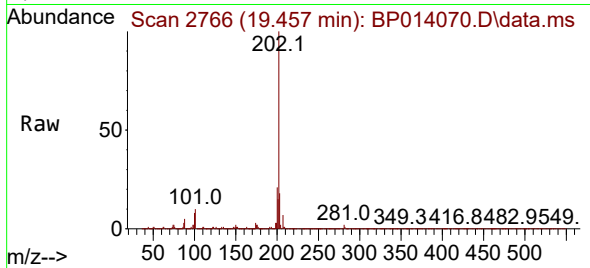




#75  
Fluoranthene  
Concen: 6.619 ng  
RT: 19.457 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

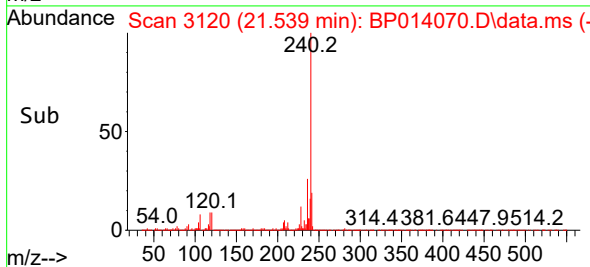
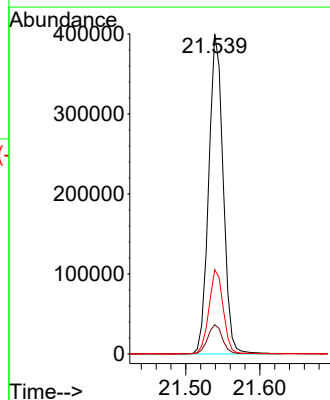
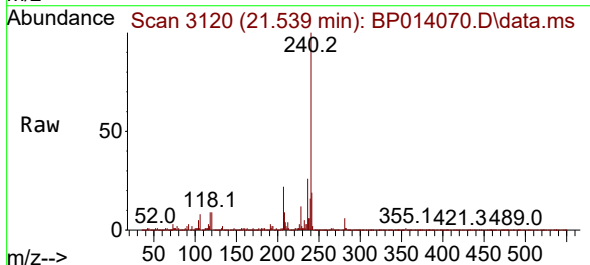
Instrument :  
BNA\_P  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

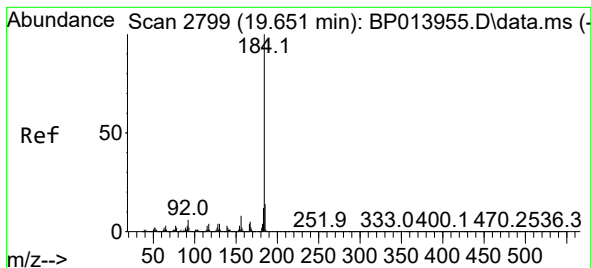
Tgt Ion:202 Resp: 270247  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 27.9  
203 18.1 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.539 min Scan# 3120  
Delta R.T. -0.006 min  
Lab File: BP014070.D  
Acq: 13 Mar 2023 19:07

Tgt Ion:240 Resp: 541016  
Ion Ratio Lower Upper  
240 100  
120 9.2 6.4 9.6  
236 26.4 21.2 31.8





#77

Benzidine

Concen: 12.268 ng

RT: 19.639 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

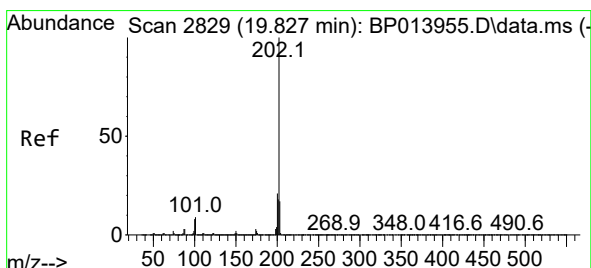
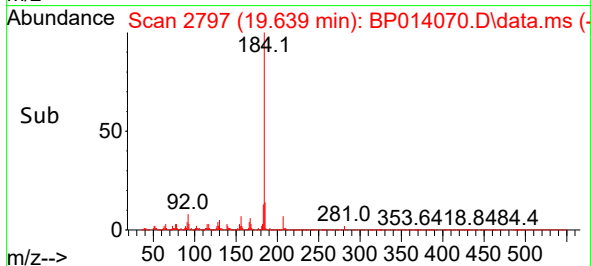
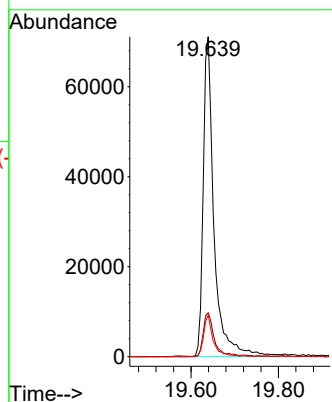
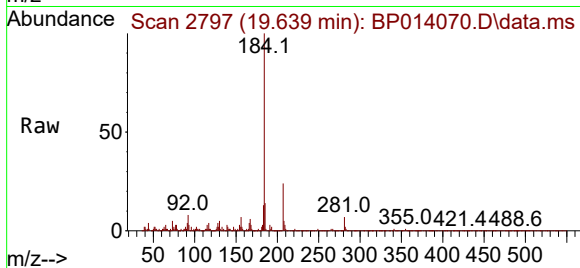
Tgt Ion:184 Resp: 122676

Ion Ratio Lower Upper

184 100

185 13.7 11.6 17.4

183 13.0 9.7 14.5



#78

Pyrene

Concen: 6.891 ng

RT: 19.810 min Scan# 2826

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

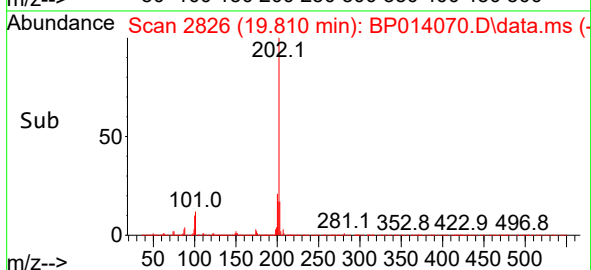
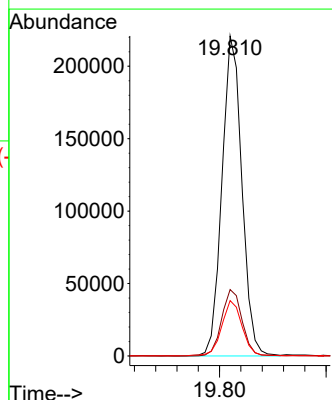
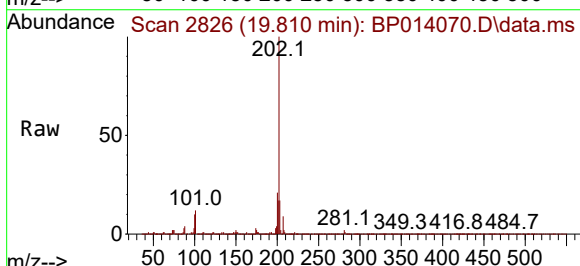
Tgt Ion:202 Resp: 286135

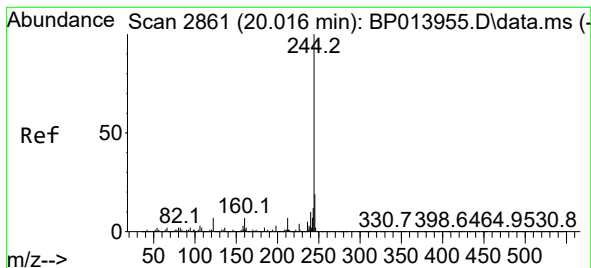
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 17.3 13.9 20.9





#79

Terphenyl-d14

Concen: 79.801 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

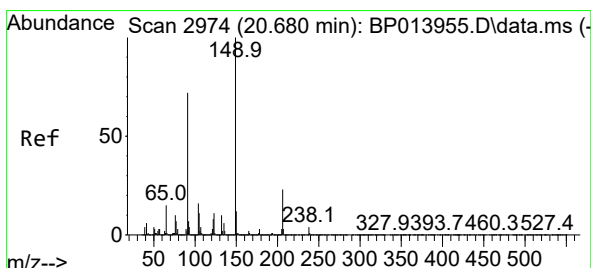
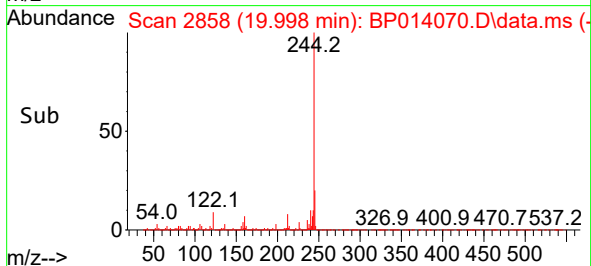
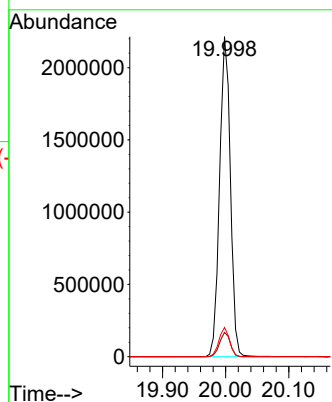
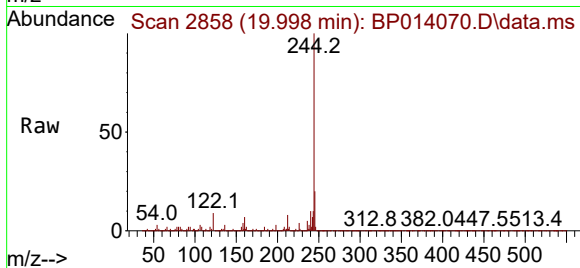
Tgt Ion:244 Resp: 2618242

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 9.1 5.8 8.6#



#80

Butylbenzylphthalate

Concen: 5.416 ng

RT: 20.669 min Scan# 2972

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

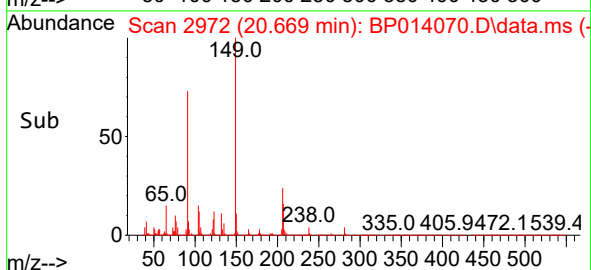
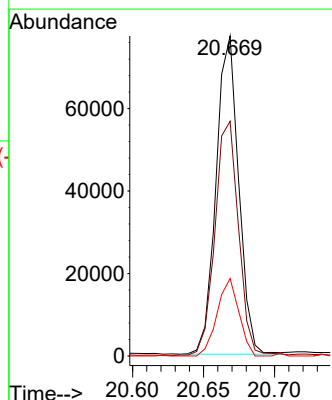
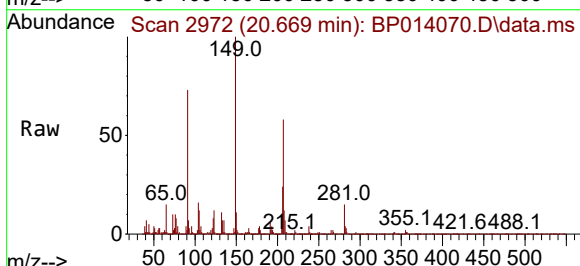
Tgt Ion:149 Resp: 85264

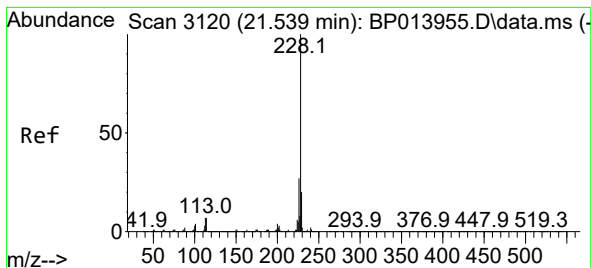
Ion Ratio Lower Upper

149 100

91 73.3 58.0 87.0

206 24.2 18.7 28.1





#81

Benzo(a)anthracene

Concen: 6.909 ng

RT: 21.521 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

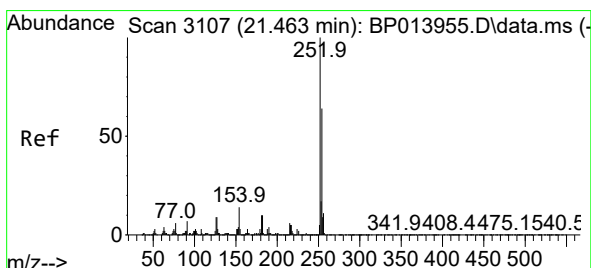
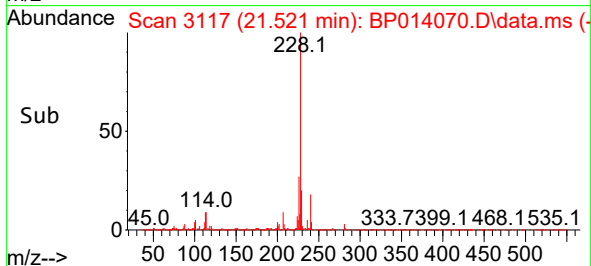
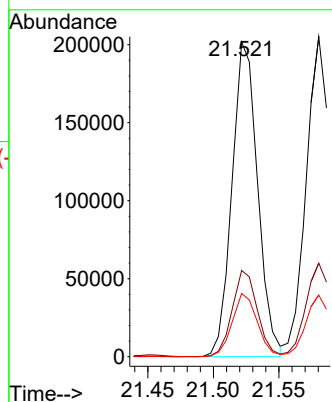
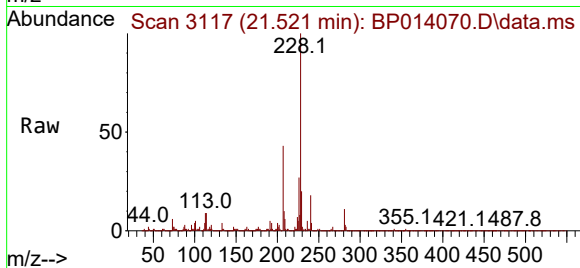
Tgt Ion:228 Resp: 274264

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 20.1 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 7.624 ng

RT: 21.451 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

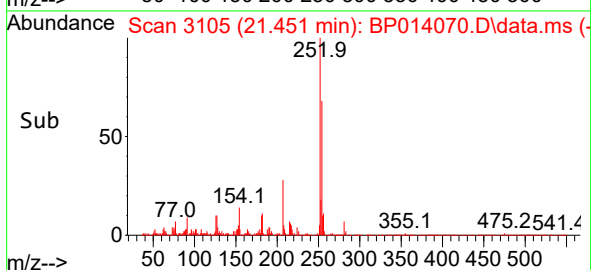
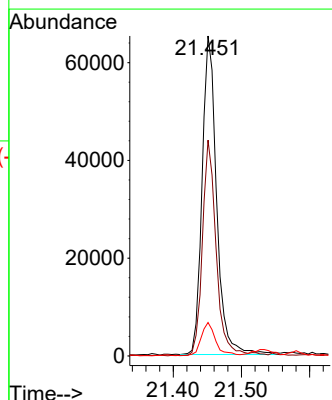
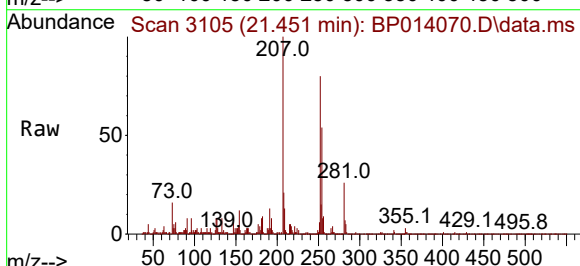
Tgt Ion:252 Resp: 96834

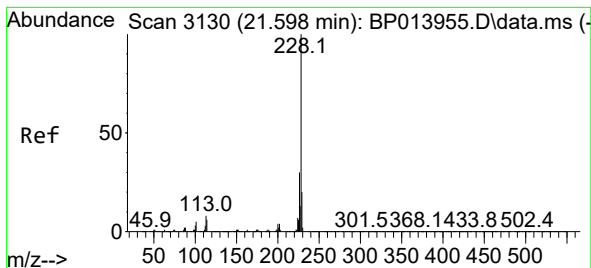
Ion Ratio Lower Upper

252 100

254 67.5 51.0 76.6

126 10.5 7.0 10.6





#83

Chrysene

Concen: 7.230 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

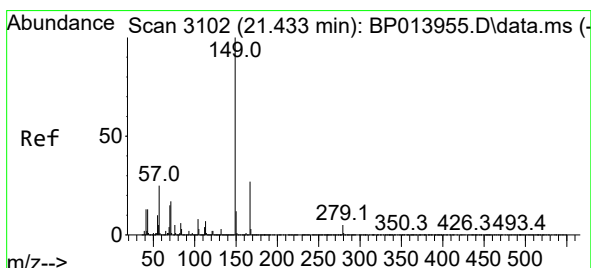
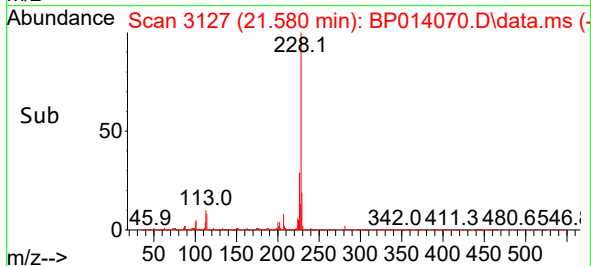
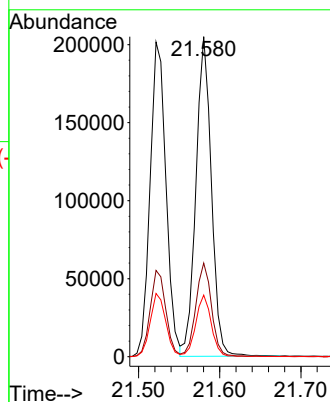
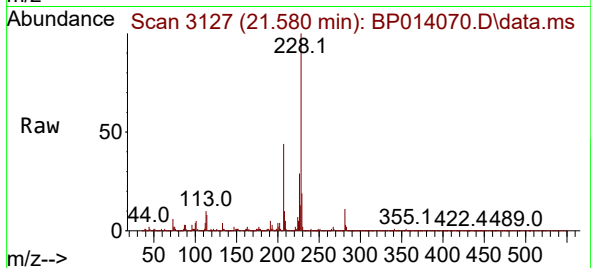
Tgt Ion:228 Resp: 271787

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.4

229 19.3 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.478 ng

RT: 21.422 min Scan# 3100

Delta R.T. 0.000 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

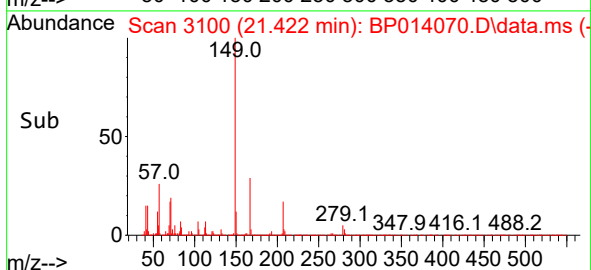
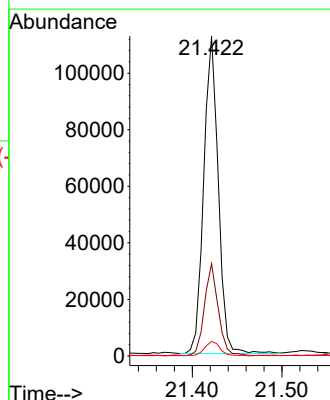
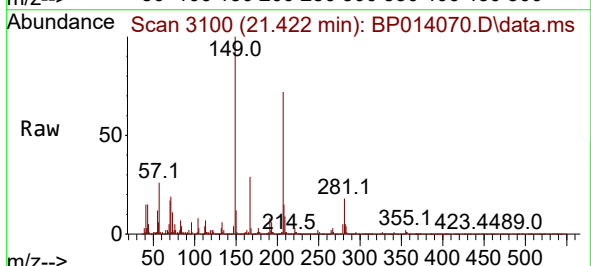
Tgt Ion:149 Resp: 126521

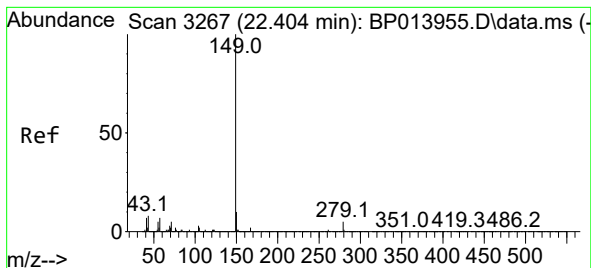
Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.6

279 4.6 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 5.381 ng

RT: 22.386 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

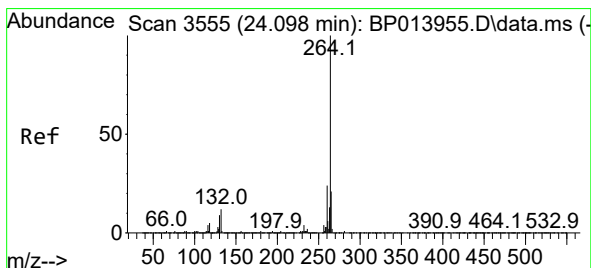
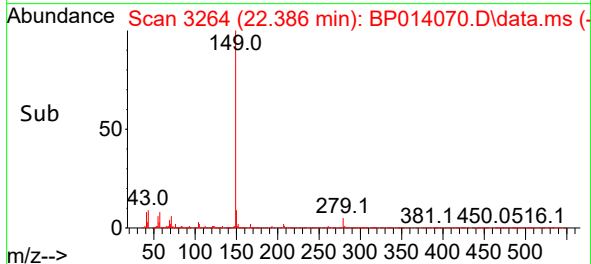
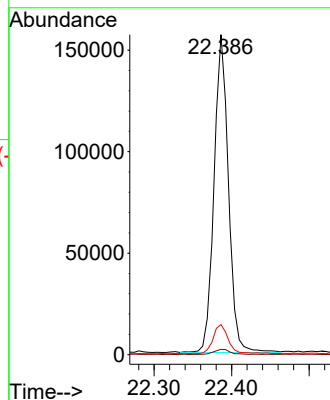
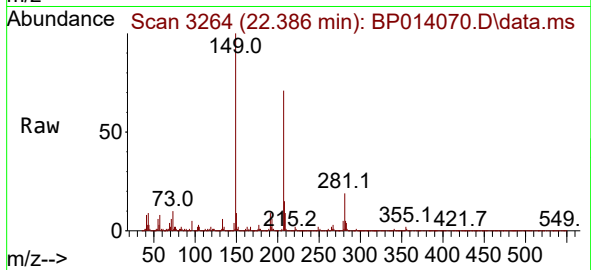
Tgt Ion:149 Resp: 201738

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 9.7 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.074 min Scan# 3551

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

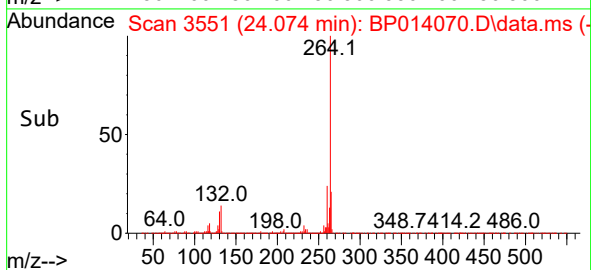
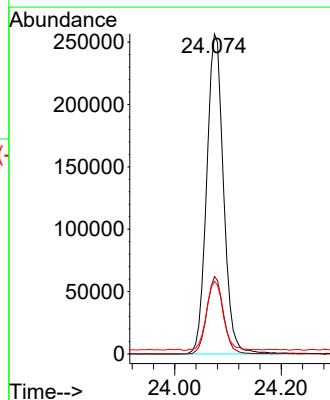
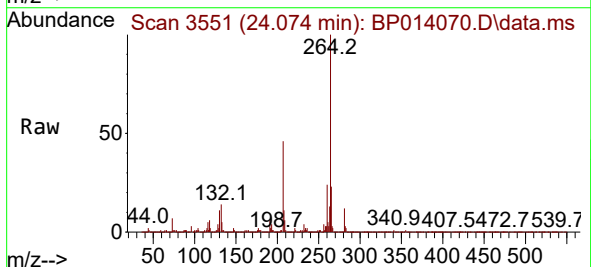
Tgt Ion:264 Resp: 561278

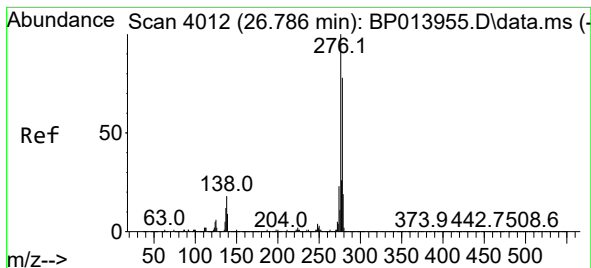
Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 22.7 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.292 ng

RT: 26.733 min Scan# 4012

Delta R.T. -0.018 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

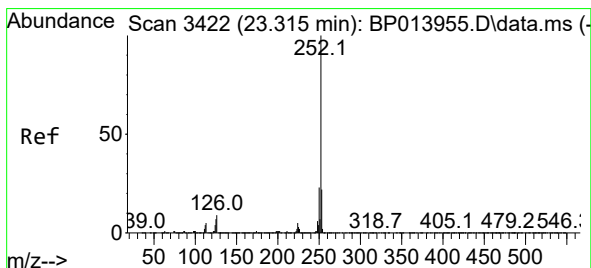
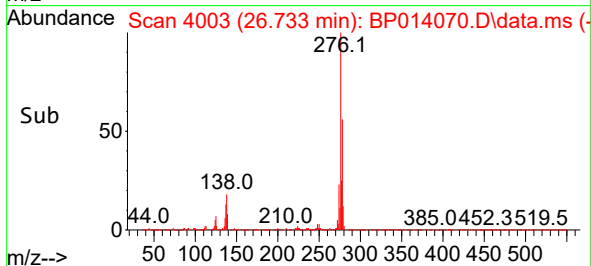
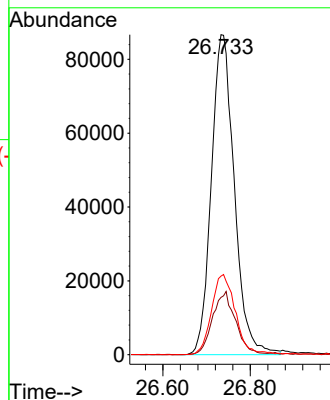
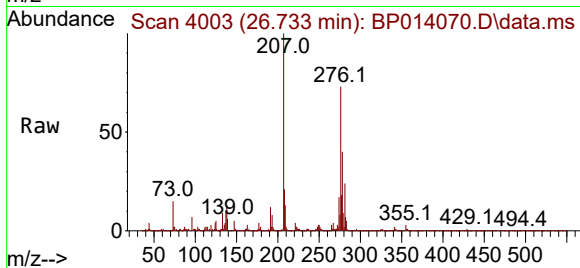
Tgt Ion:276 Resp: 316243

Ion Ratio Lower Upper

276 100

138 19.7 13.8 20.8

277 26.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.279 ng

RT: 23.292 min Scan# 3418

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

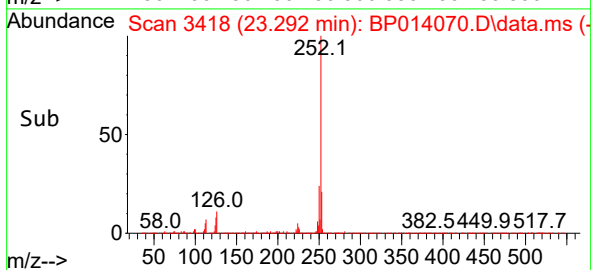
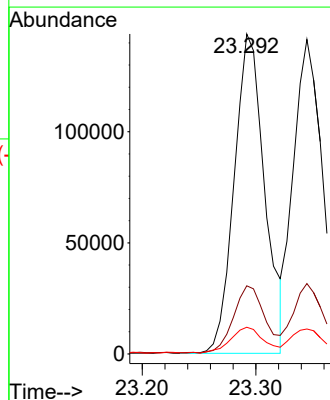
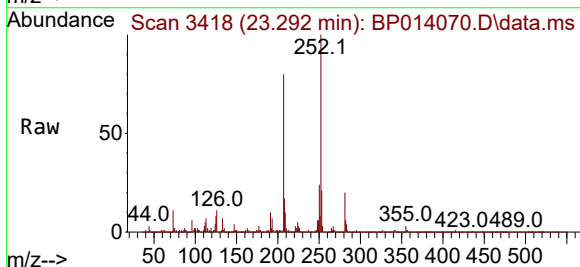
Tgt Ion:252 Resp: 267534

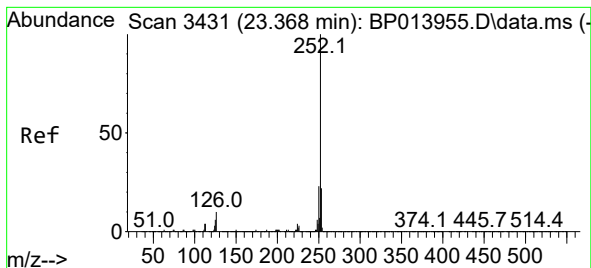
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 8.4 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 7.025 ng

RT: 23.345 min Scan# 34

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

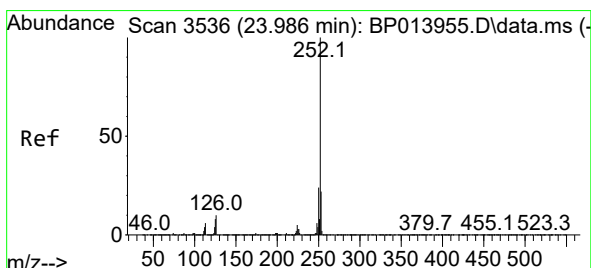
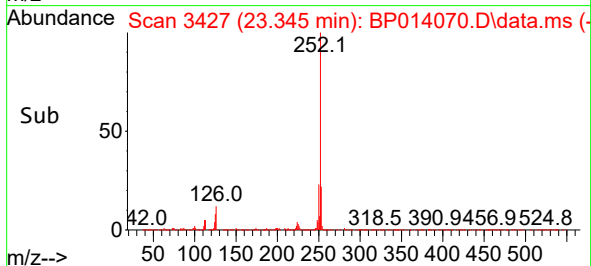
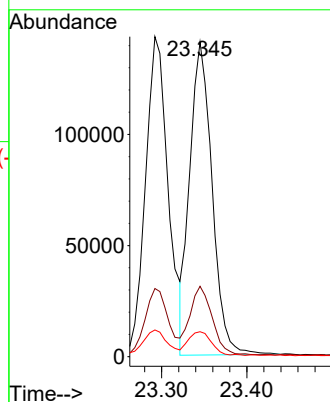
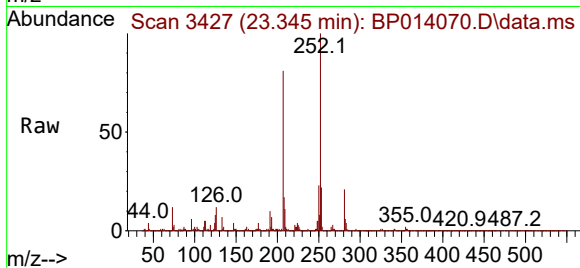
Tgt Ion:252 Resp: 256000

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 7.9 5.4 8.0



#90

Benzo(a)pyrene

Concen: 6.381 ng

RT: 23.963 min Scan# 3532

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

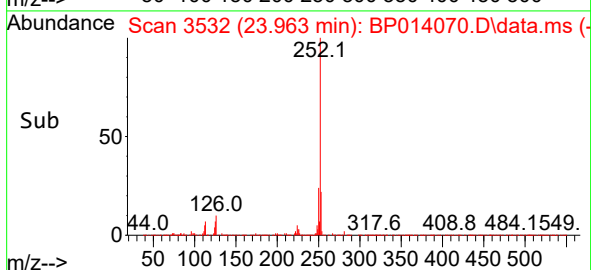
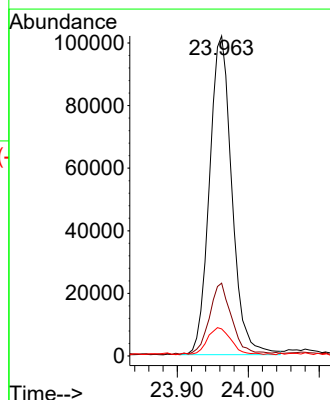
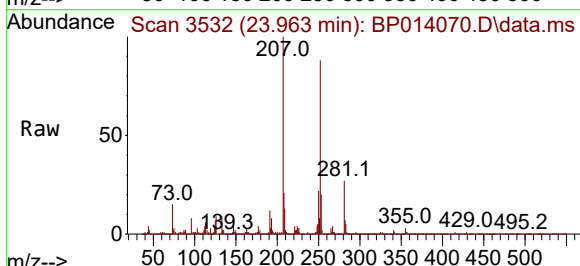
Tgt Ion:252 Resp: 223694

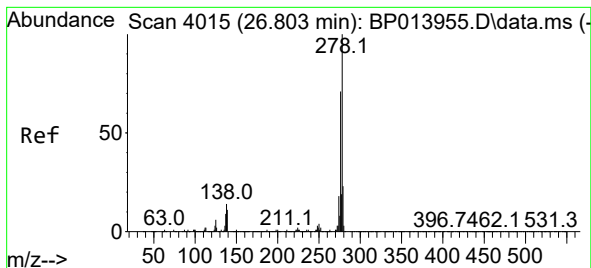
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 8.4 6.2 9.4





#91

Dibenzo(a,h)anthracene

Concen: 7.424 ng

RT: 26.756 min Scan# 4015

Delta R.T. -0.006 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Instrument :

BNA\_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

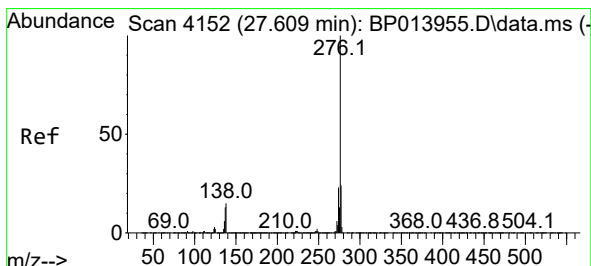
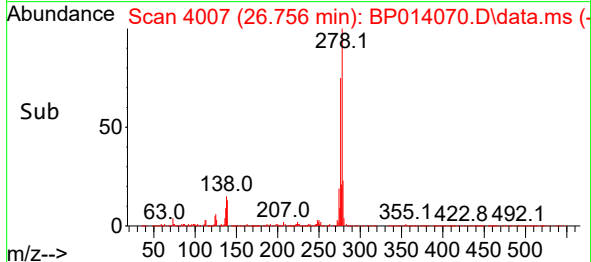
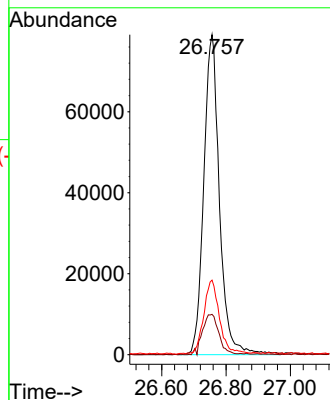
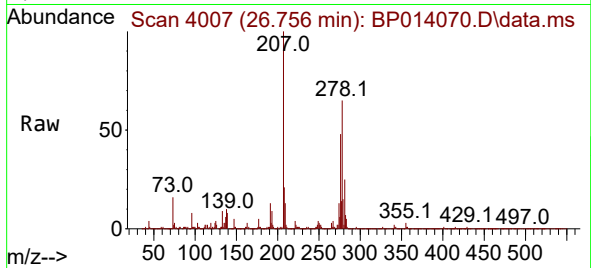
Tgt Ion:278 Resp: 267673

Ion Ratio Lower Upper

278 100

139 12.6 8.7 13.1

279 23.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 7.393 ng

RT: 27.556 min Scan# 4143

Delta R.T. -0.012 min

Lab File: BP014070.D

Acq: 13 Mar 2023 19:07

Tgt Ion:276 Resp: 264147

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 17.3 12.2 18.4

