

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041123\  
 Data File : BF132856.D  
 Acq On : 11 Apr 2023 18:38  
 Operator : CG\JU  
 Sample : 01627-01  
 Misc : LOD-MDL-SOIL 4ppm  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 12 04:05:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 12 03:34:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.769  | 152  | 224433   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.051  | 136  | 869062   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 447593   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.281 | 188  | 794084   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.916 | 240  | 593168   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.345 | 264  | 523236   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1513871  | 104.791   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.398  | 99   | 1906434  | 102.318   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.334  | 82   | 1259346  | 74.985    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 459032   | 115.396   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 2110972  | 74.609    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.875 | 244  | 2293536  | 66.995    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 53       | 5.448     | ng    | # 100    |
| 3) Pyridine                   | 3.246  | 79   | 60627    | 3.058     | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.122  | 42   | 31998    | 3.340     | ng    | # 90     |
| 6) Aniline                    | 6.434  | 93   | 90075    | 3.740     | ng    | 97       |
| 8) 2-Chlorophenol             | 6.551  | 128  | 60958    | 4.195     | ng    | 96       |
| 9) Benzaldehyde               | 6.316  | 77   | 56516    | Below Cal |       | 99       |
| 10) Phenol                    | 6.410  | 94   | 77693    | 3.703     | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.504  | 93   | 62668    | 4.029     | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.710  | 146  | 69910    | 4.360     | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.787  | 146  | 68582    | 4.244     | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.940  | 146  | 65753    | 4.332     | ng    | 97       |
| 15) Benzyl Alcohol            | 6.904  | 79   | 44717    | 3.691     | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.045  | 45   | 105416   | 4.059     | ng    | 99       |
| 17) 2-Methylphenol            | 7.010  | 107  | 49307    | 3.721     | ng    | 99       |
| 18) Hexachloroethane          | 7.281  | 117  | 22278    | 4.004     | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.181  | 70   | 41660    | 3.927     | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 62016    | 3.917     | ng    | # 87     |
| 22) Acetophenone              | 7.175  | 105  | 92877    | 4.510     | ng    | # 98     |
| 24) Nitrobenzene              | 7.345  | 77   | 70710    | 4.155     | ng    | 95       |
| 25) Isophorone                | 7.581  | 82   | 115443   | 3.855     | ng    | 94       |
| 26) 2-Nitrophenol             | 7.663  | 139  | 19890    | 3.277     | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.698  | 122  | 51600    | 4.207     | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.798  | 93   | 72147    | 4.060     | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.898  | 162  | 46724    | 4.013     | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 7.992  | 180  | 54054    | 4.205     | ng    | 99       |
| 31) Naphthalene               | 8.075  | 128  | 189437   | 4.272     | ng    | 99       |
| 32) Benzoic acid              | 7.745  | 122  | 11232    | 7.678     | ng    | 97       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 66492    | 3.774     | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 27945    | 3.994     | ng    | 96       |
| 35) Caprolactam               | 8.528  | 113  | 444      | 5.481     | ng    | # 37     |
| 36) 4-Chloro-3-methylphenol   | 8.587  | 107  | 47449    | 3.820     | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.763  | 142  | 123186   | 4.153     | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.863  | 142  | 113376   | 4.098     | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.928  | 216  | 51437    | 4.117     | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 23158    | 3.443     | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.039  | 196  | 27613    | 3.597     | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041123\  
 Data File : BF132856.D  
 Acq On : 11 Apr 2023 18:38  
 Operator : CG\JU  
 Sample : 01627-01  
 Misc : LOD-MDL-SOIL 4ppm  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 12 04:05:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 12 03:34:19 2023  
 Response via : Initial Calibration

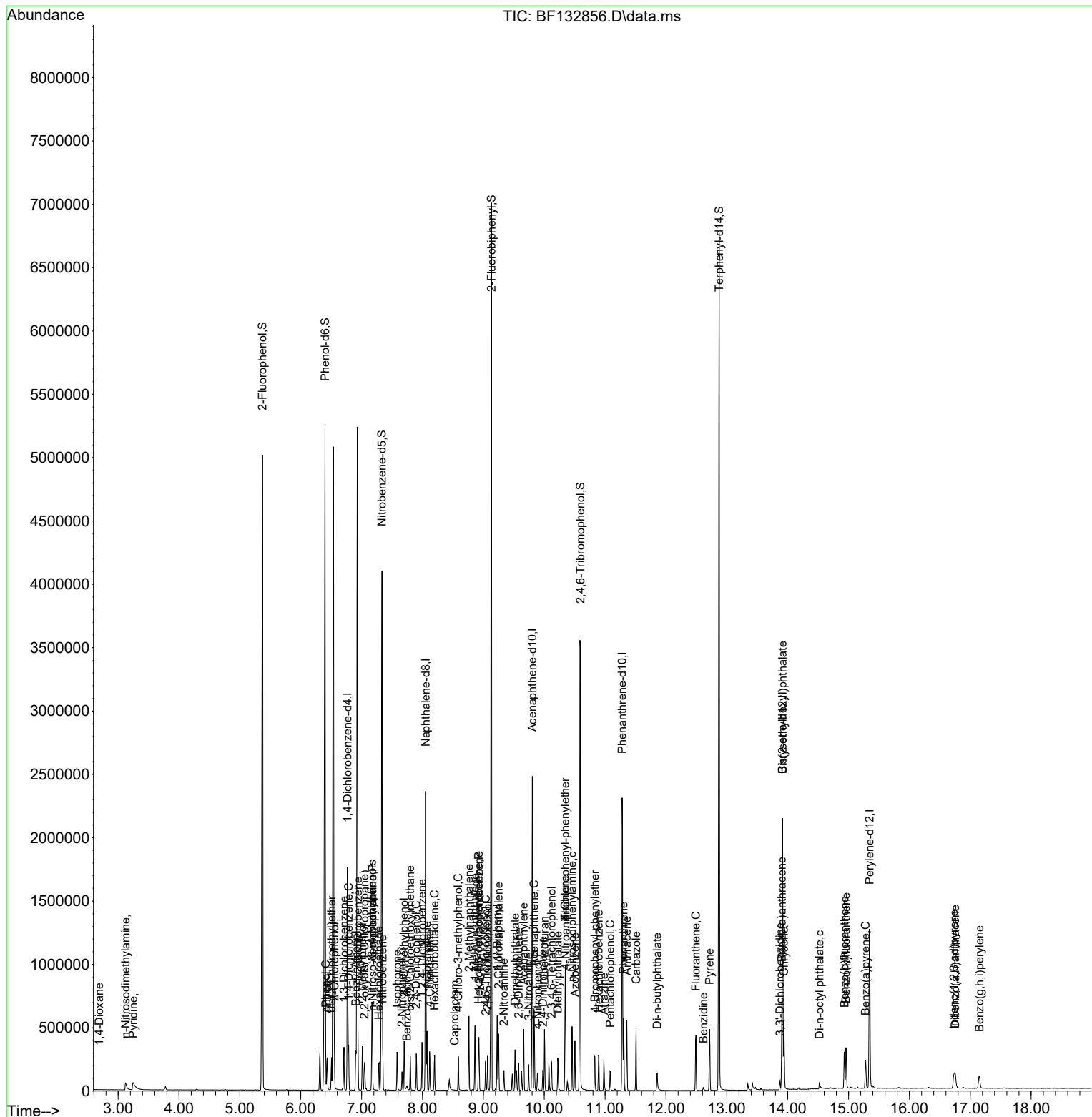
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.069  | 196  | 31368    | 3.460     | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.228  | 154  | 157110   | 4.355     | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.251  | 162  | 111604   | 4.226     | ng    | 99       |
| 48) 2-Nitroaniline            | 9.339  | 65   | 18334    | 4.763     | ng    | 97       |
| 49) Acenaphthylene            | 9.663  | 152  | 174170   | 4.080     | ng    | 97       |
| 50) Dimethylphthalate         | 9.522  | 163  | 114854   | 3.974     | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.581  | 165  | 19352    | 2.935     | ng    | 97       |
| 52) Acenaphthene              | 9.834  | 154  | 112247   | 4.092     | ng    | 99       |
| 53) 3-Nitroaniline            | 9.745  | 138  | 21271    | 2.789     | ng    | 89       |
| 55) Dibenzofuran              | 10.004 | 168  | 160426   | 4.126     | ng    | 99       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 18493    | 3.076     | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 9.981  | 165  | 22108    | 2.699     | ng    | 96       |
| 58) Fluorene                  | 10.345 | 166  | 122460   | 4.270     | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.122 | 232  | 26143    | 3.787     | ng    | 96       |
| 60) Diethylphthalate          | 10.222 | 149  | 94297    | 3.838     | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.345 | 204  | 54609    | 4.002     | ng    | 97       |
| 62) 4-Nitroaniline            | 10.351 | 138  | 21440    | 2.943     | ng    | 95       |
| 63) Azobenzene                | 10.504 | 77   | 124340   | 3.885     | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.457 | 169  | 98071    | 4.047     | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.833 | 248  | 32011    | 3.798     | ng    | 98       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 35576    | 4.077     | ng    | 99       |
| 69) Atrazine                  | 10.981 | 200  | 22947    | 3.863     | ng    | 99       |
| 70) Pentachlorophenol         | 11.086 | 266  | 16691    | 2.904     | ng    | 98       |
| 71) Phenanthrene              | 11.304 | 178  | 184293   | 4.231     | ng    | 97       |
| 72) Anthracene                | 11.357 | 178  | 185849   | 4.174     | ng    | 97       |
| 73) Carbazole                 | 11.510 | 167  | 158813   | 4.077     | ng    | 97       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 83104    | 8.045     | ng    | 99       |
| 75) Fluoranthene              | 12.492 | 202  | 163705   | 3.754     | ng    | 98       |
| 77) Benzidine                 | 12.616 | 184  | 11113    | 8.659     | ng    | # 88     |
| 78) Pyrene                    | 12.716 | 202  | 176361   | 3.481     | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.345 | 149  | 5854     | Below Cal |       | 92       |
| 81) Benzo(a)anthracene        | 13.904 | 228  | 148668   | 3.644     | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.874 | 252  | 19124    | 7.201     | ng    | 99       |
| 83) Chrysene                  | 13.939 | 228  | 154170   | 3.839     | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.916 | 149  | 10824    | 8.404     | ng    | # 90     |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 12830    | 8.497     | ng    | # 62     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.733 | 276  | 81746    | 6.302     | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.933 | 252  | 122133   | 3.617     | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.957 | 252  | 128989   | 3.719     | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.280 | 252  | 95192    | 3.143     | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.751 | 278  | 68847    | 6.078     | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.151 | 276  | 68369    | 6.256     | ng    | 95       |

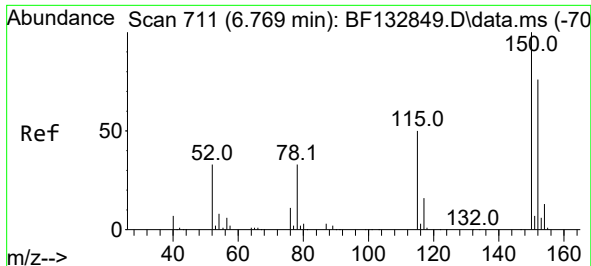
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041123\  
Data File : BF132856.D  
Acq On : 11 Apr 2023 18:38  
Operator : CG\JU  
Sample : 01627-01  
Misc : LOD-MDL-SOIL 4ppm  
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 12 04:05:59 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF041123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 12 03:34:19 2023  
Response via : Initial Calibration

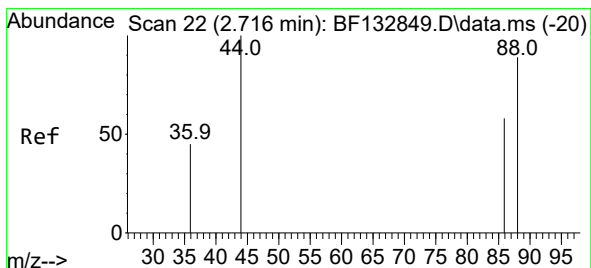
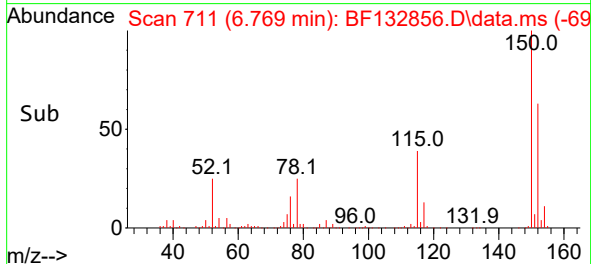
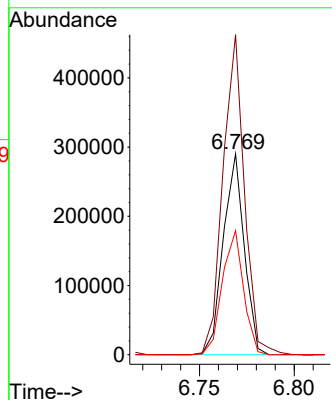
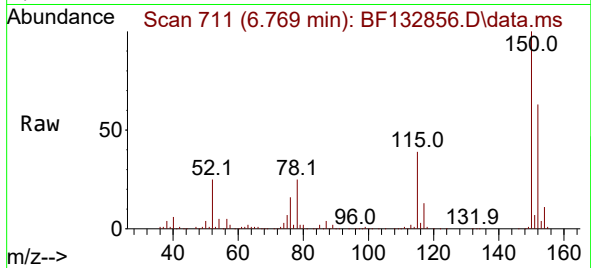




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.769 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

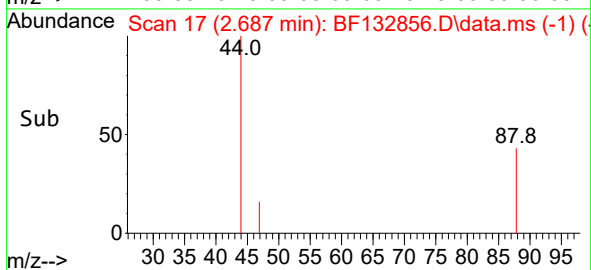
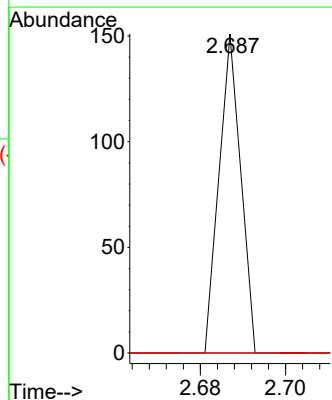
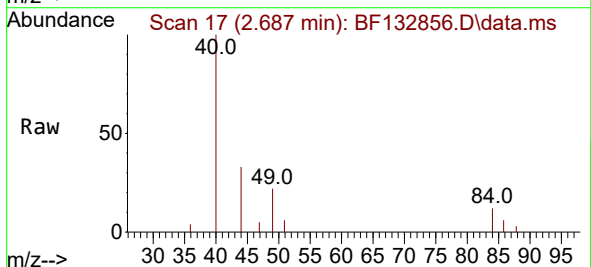
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2023

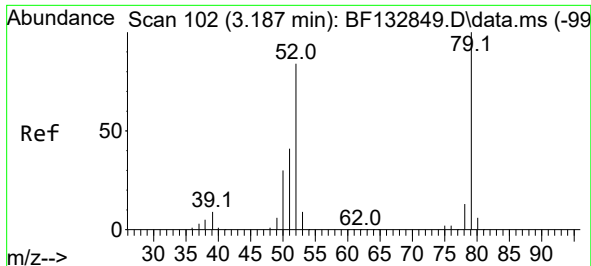
Tgt Ion:152 Resp: 224433  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 127.8 191.6  
 115 61.7 52.2 78.4



#2  
 1,4-Dioxane  
 Concen: 5.448 ng  
 RT: 2.687 min Scan# 17  
 Delta R.T. -0.029 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

Tgt Ion: 88 Resp: 53  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 0.0 0.0  
 43 0.0 0.0 0.0





#3

Pyridine

Concen: 3.058 ng

RT: 3.246 min Scan# 11

Delta R.T. 0.059 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

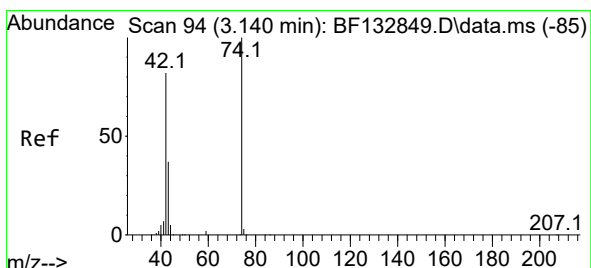
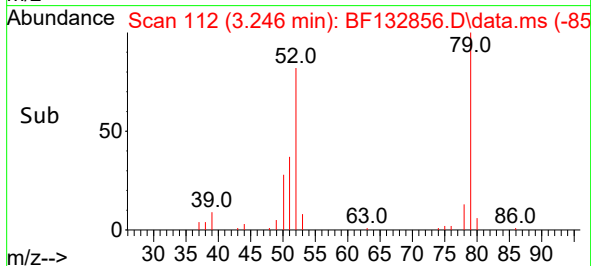
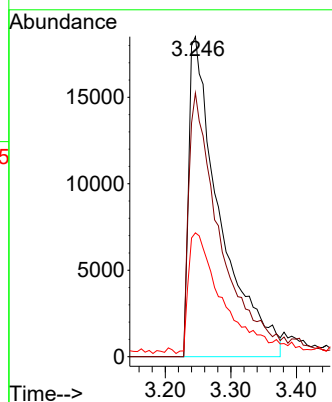
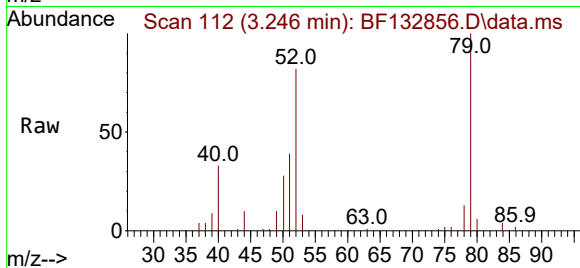
Tgt Ion: 79 Resp: 60627

Ion Ratio Lower Upper

79 100

52 82.4 67.3 100.9

51 38.7 32.6 48.8



#4

n-Nitrosodimethylamine

Concen: 3.340 ng

RT: 3.122 min Scan# 91

Delta R.T. -0.017 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

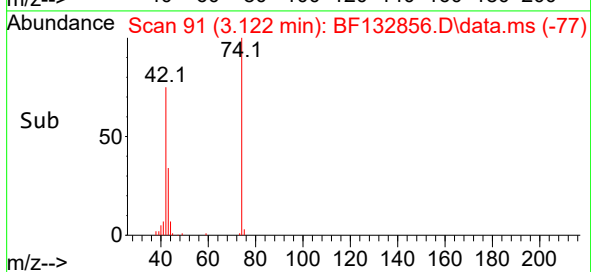
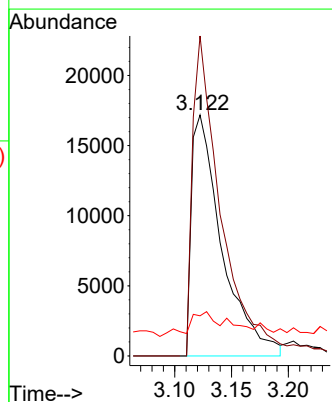
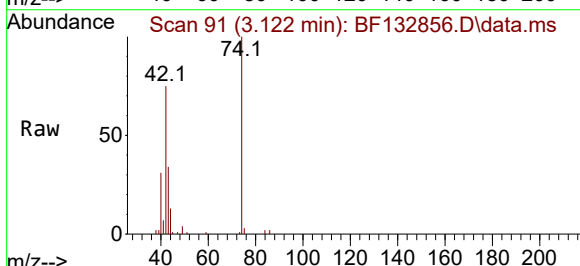
Tgt Ion: 42 Resp: 31998

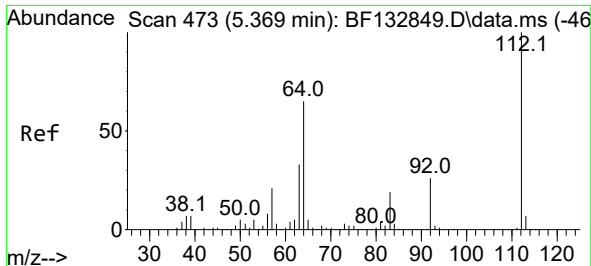
Ion Ratio Lower Upper

42 100

74 132.8 97.7 146.5

44 16.7 6.0 9.0#

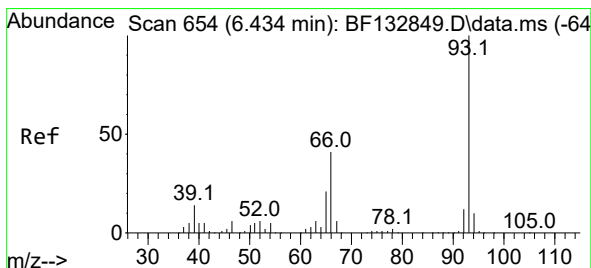
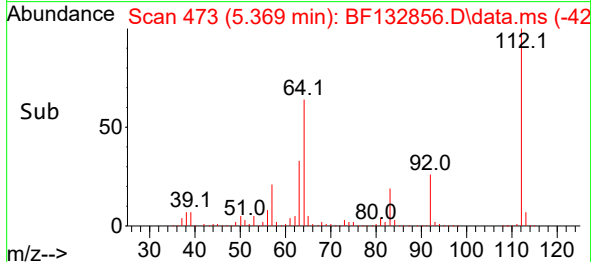
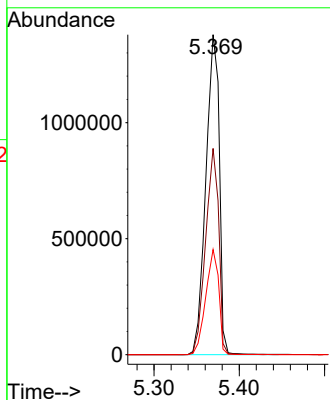
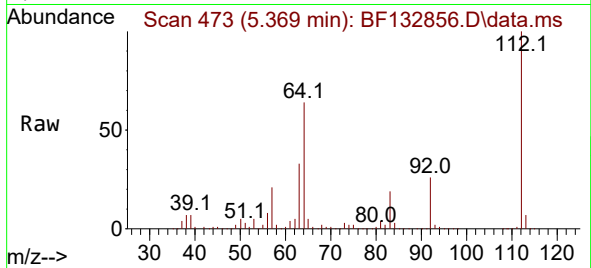




#5  
2-Fluorophenol  
Concen: 104.791 ng  
RT: 5.369 min Scan# 473  
Delta R.T. 0.000 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

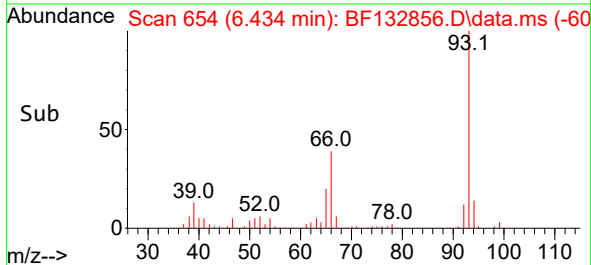
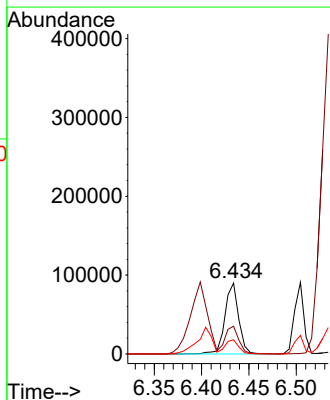
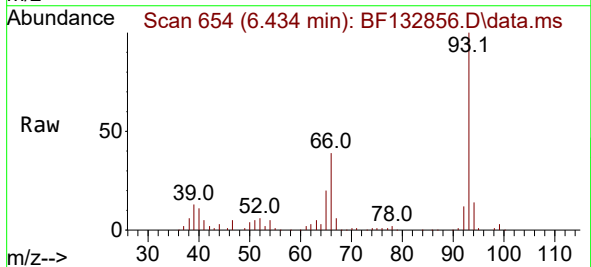
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

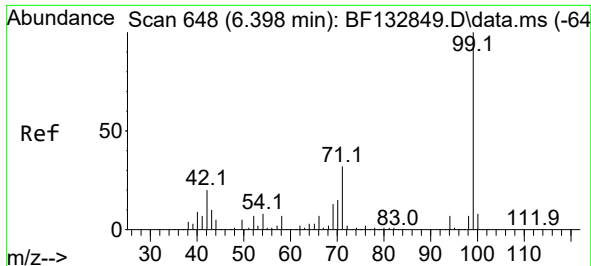
Tgt Ion:112 Resp: 1513871  
Ion Ratio Lower Upper  
112 100  
64 64.5 51.7 77.5  
63 32.8 26.4 39.6



#6  
Aniline  
Concen: 3.740 ng  
RT: 6.434 min Scan# 654  
Delta R.T. 0.000 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion: 93 Resp: 90075  
Ion Ratio Lower Upper  
93 100  
66 39.0 33.0 49.4  
65 20.0 16.8 25.2





#7

Phenol-d6

Concen: 102.318 ng

RT: 6.398 min Scan# 648

Delta R.T. 0.000 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

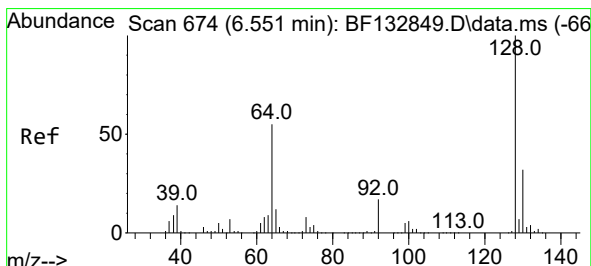
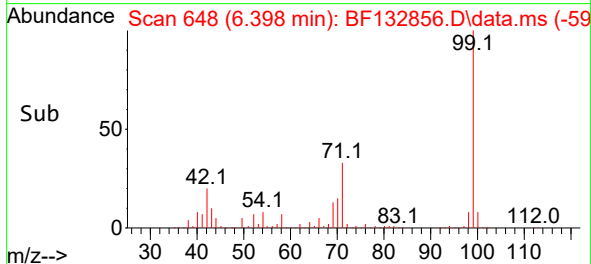
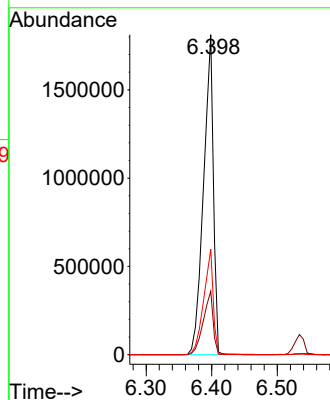
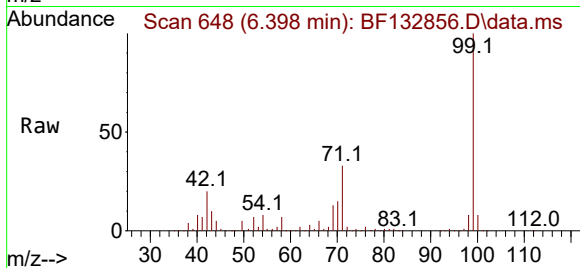
BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

Tgt Ion: 99 Resp: 1906434

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.9  | 16.3  | 24.5  |
| 71  | 33.0  | 25.8  | 38.6  |



#8

2-Chlorophenol

Concen: 4.195 ng

RT: 6.551 min Scan# 674

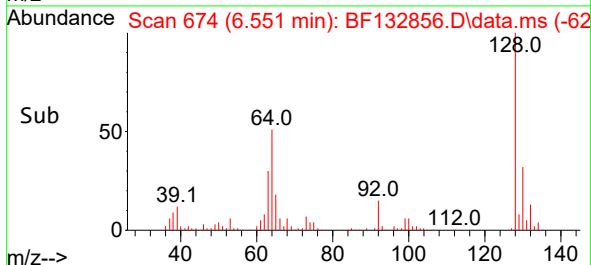
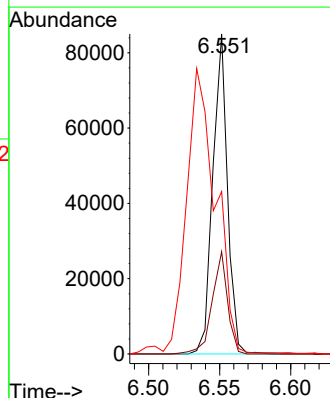
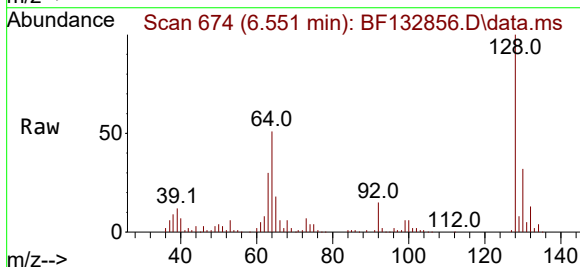
Delta R.T. 0.000 min

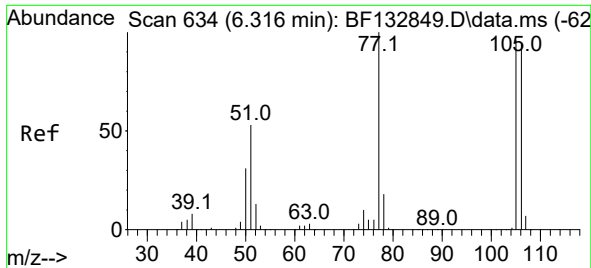
Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion: 128 Resp: 60958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.0  | 12.3  | 52.3  |
| 64  | 50.7  | 35.4  | 75.4  |

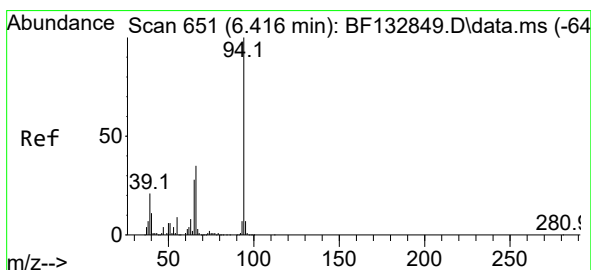
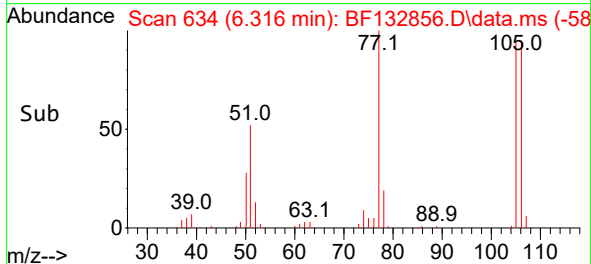
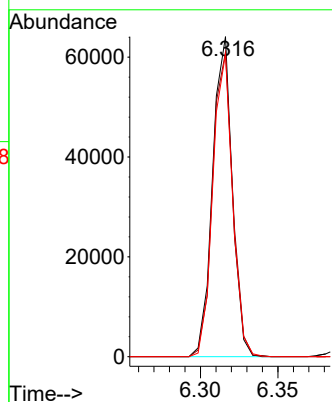
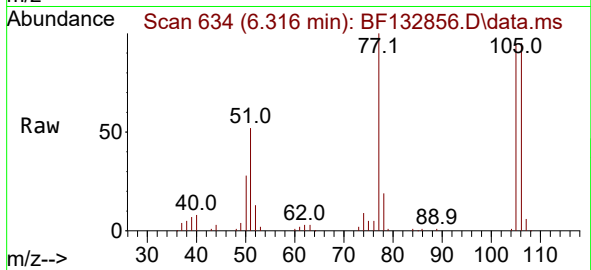




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.316 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

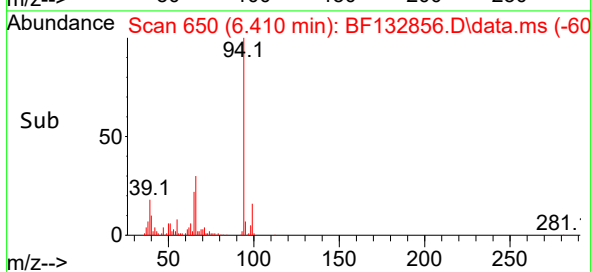
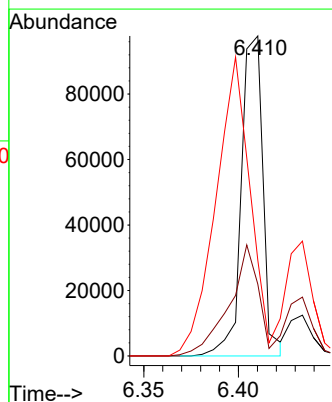
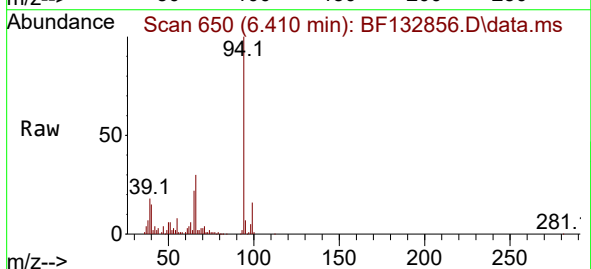
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

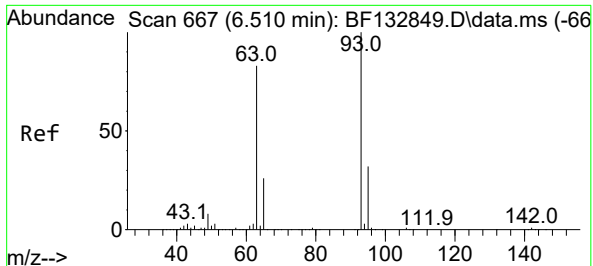
Tgt Ion: 77 Resp: 56516  
Ion Ratio Lower Upper  
77 100  
105 95.2 76.4 116.4  
106 94.5 73.8 113.8



#10  
Phenol  
Concen: 3.703 ng  
RT: 6.410 min Scan# 650  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion: 94 Resp: 77693  
Ion Ratio Lower Upper  
94 100  
65 22.5 7.7 47.7  
66 30.0 15.2 55.2





#11

bis(2-Chloroethyl)ether

Concen: 4.029 ng

RT: 6.504 min Scan# 6

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

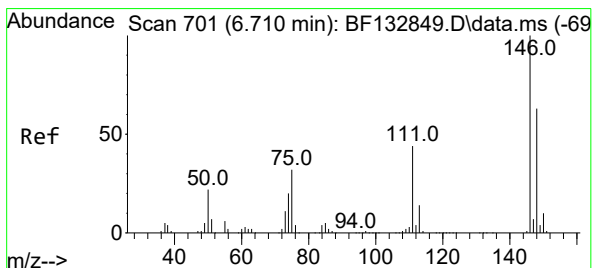
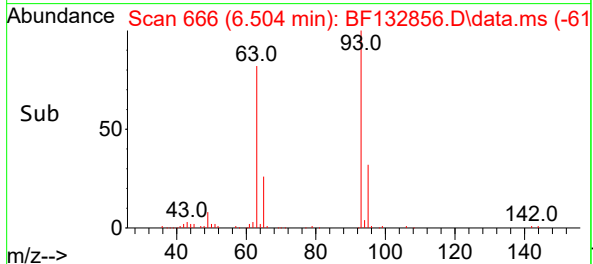
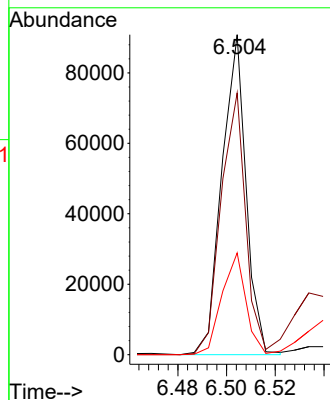
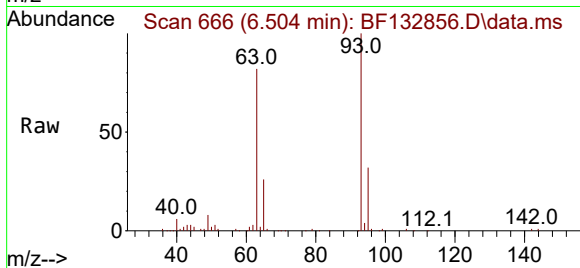
Tgt Ion: 93 Resp: 62668

Ion Ratio Lower Upper

93 100

63 81.8 63.3 103.3

95 31.8 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 4.360 ng

RT: 6.710 min Scan# 701

Delta R.T. 0.000 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

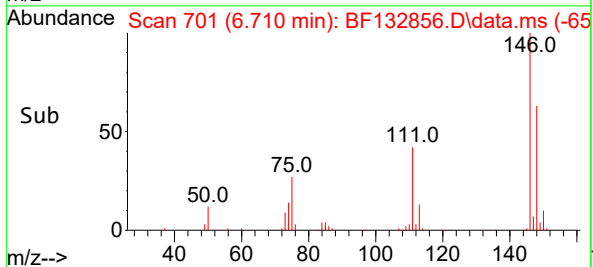
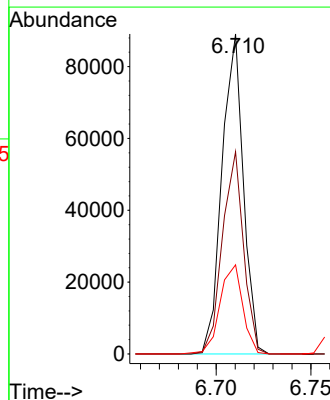
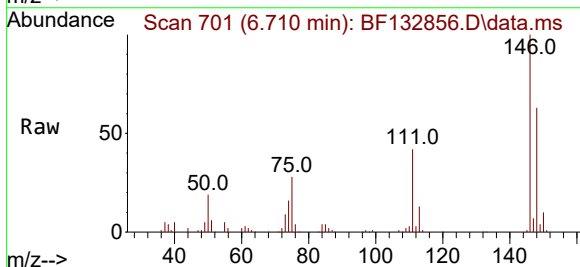
Tgt Ion:146 Resp: 69910

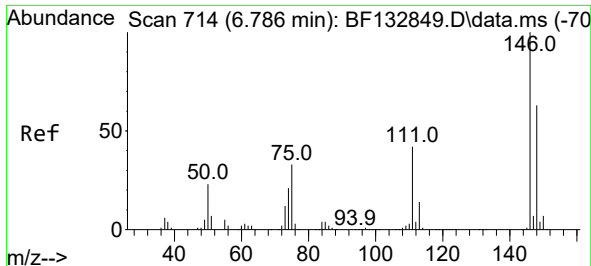
Ion Ratio Lower Upper

146 100

148 63.2 50.6 76.0

75 27.8 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 4.244 ng

RT: 6.787 min Scan# 714

Delta R.T. 0.000 min

Lab File: BF132856.D

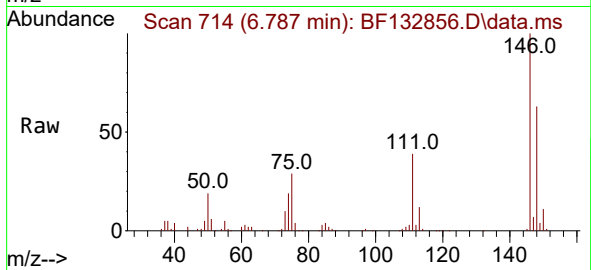
Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023



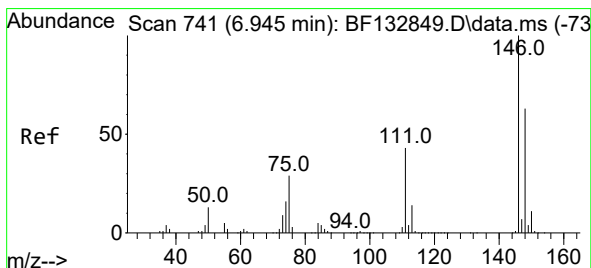
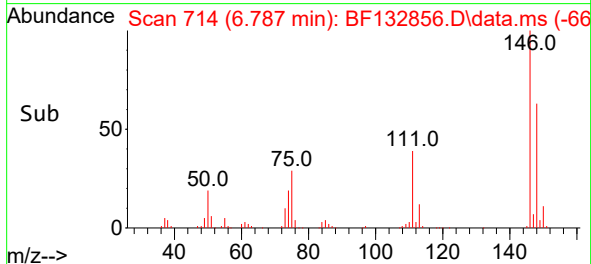
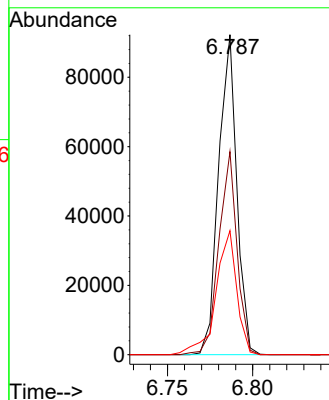
Tgt Ion:146 Resp: 68582

Ion Ratio Lower Upper

146 100

148 63.4 50.6 76.0

111 38.8 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 4.332 ng

RT: 6.940 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

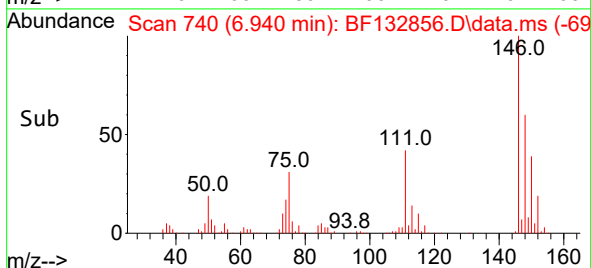
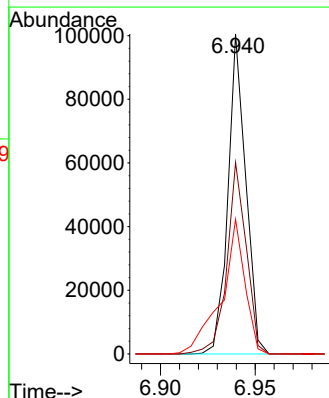
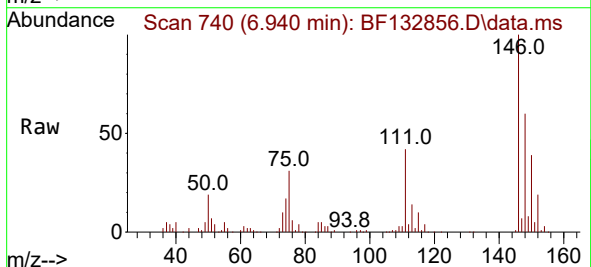
Tgt Ion:146 Resp: 65753

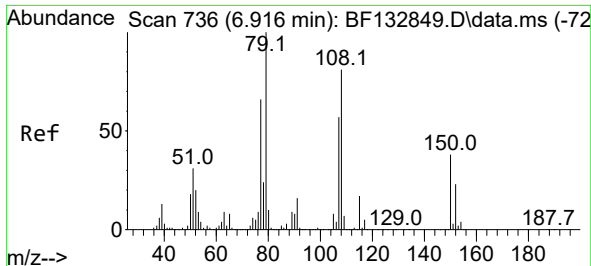
Ion Ratio Lower Upper

146 100

148 59.9 50.6 75.8

111 42.1 34.2 51.4

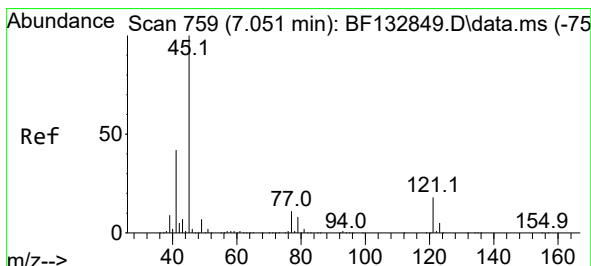
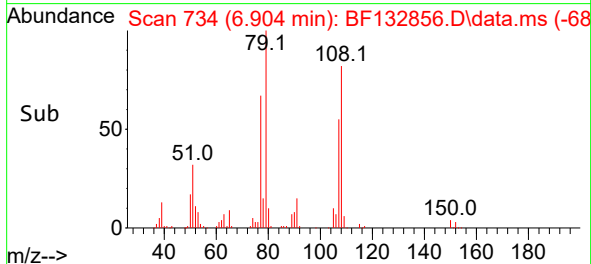
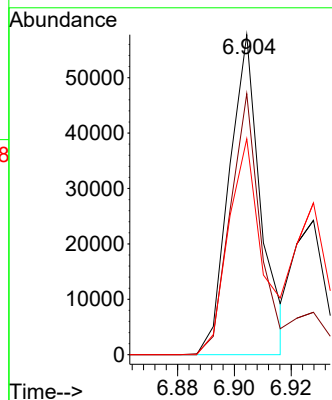
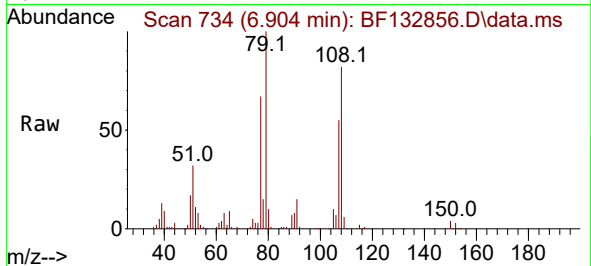




#15  
Benzyl Alcohol  
Concen: 3.691 ng  
RT: 6.904 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

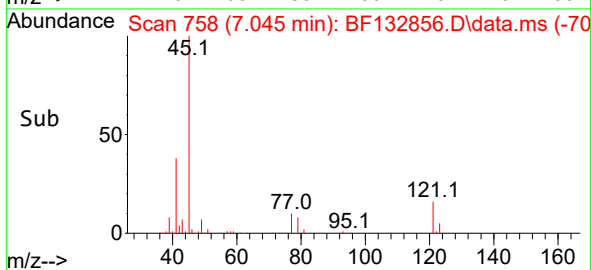
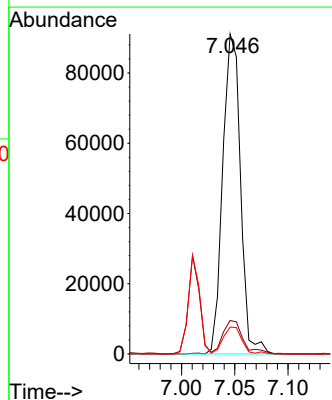
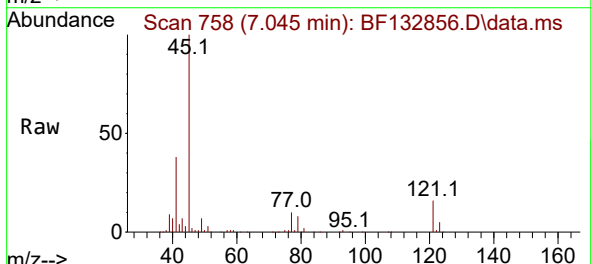
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

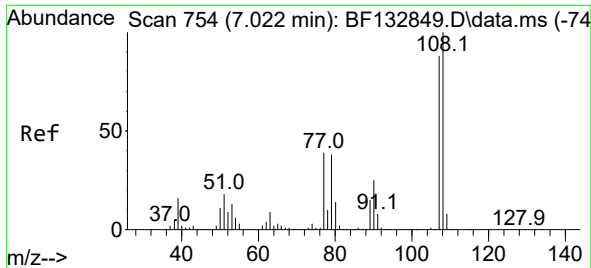
Tgt Ion: 79 Resp: 44717  
Ion Ratio Lower Upper  
79 100  
108 81.5 65.0 97.6  
77 67.5 53.0 79.4



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 4.059 ng  
RT: 7.045 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion: 45 Resp: 105416  
Ion Ratio Lower Upper  
45 100  
77 10.5 0.0 31.2  
79 8.4 0.0 28.5

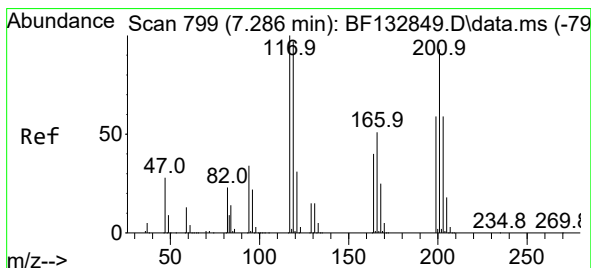
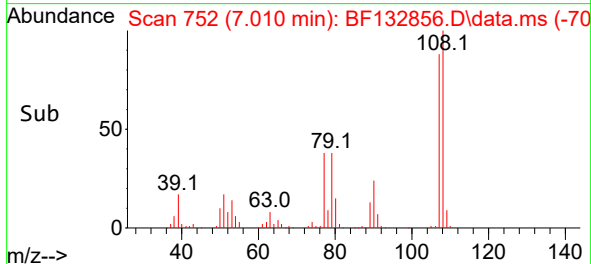
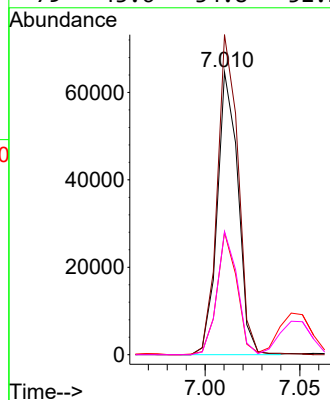
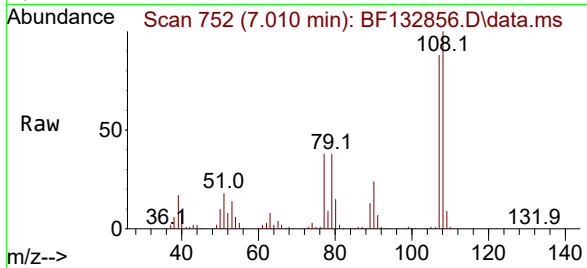




#17  
2-Methylphenol  
Concen: 3.721 ng  
RT: 7.010 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

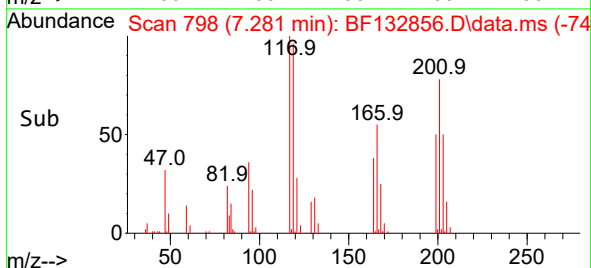
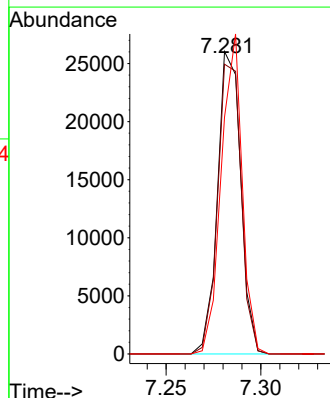
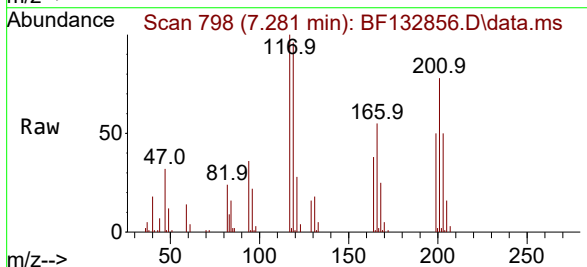
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

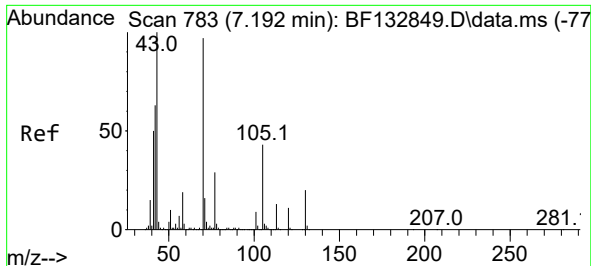
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 49307 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 113.2 | 91.4  | 137.0 |
| 77       | 43.2  | 35.5  | 53.3  |
| 79       | 43.6  | 34.8  | 52.2  |



#18  
Hexachloroethane  
Concen: 4.004 ng  
RT: 7.281 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 22278 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.8  | 77.8  | 116.6 |
| 201      | 78.3  | 74.2  | 111.4 |

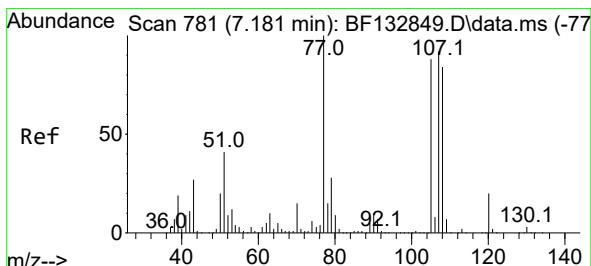
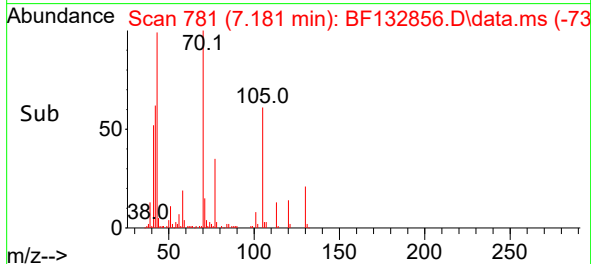
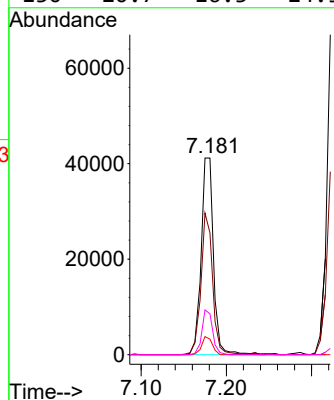
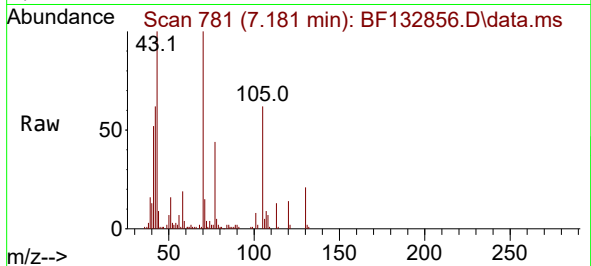




#19  
n-Nitroso-di-n-propylamine  
Concen: 3.927 ng  
RT: 7.181 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

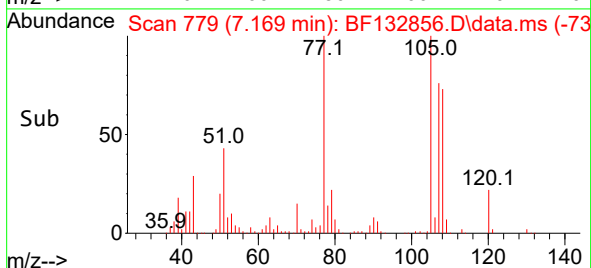
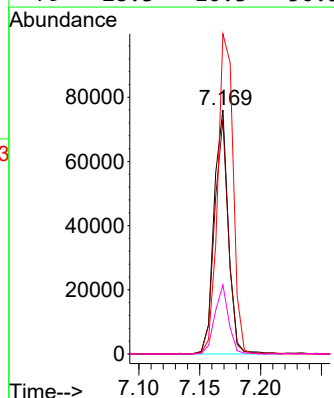
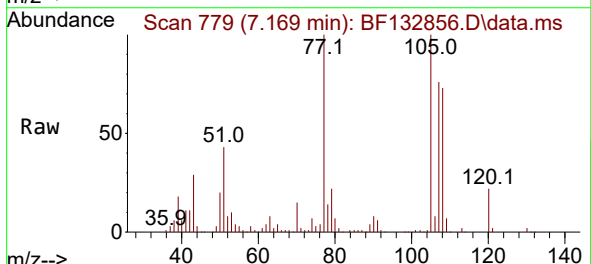
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

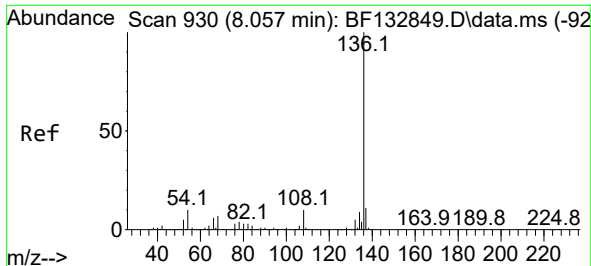
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 70    | Resp: | 41660 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 61.9  | 51.6  | 77.4  |
| 101       | 7.9   | 7.5   | 11.3  |
| 130       | 20.7  | 16.3  | 24.5  |



#20  
3+4-Methylphenols  
Concen: 3.917 ng  
RT: 7.169 min Scan# 779  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 62016  |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 96.1  | 71.1  | 111.1  |
| 77        | 131.2 | 88.5  | 128.5# |
| 79        | 28.3  | 10.3  | 50.3   |

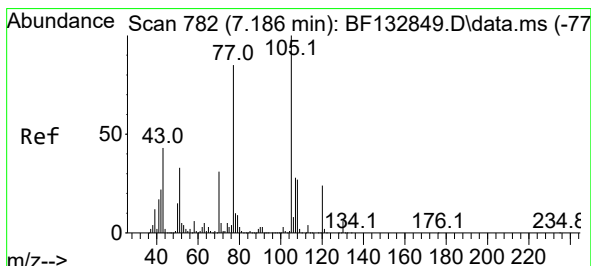
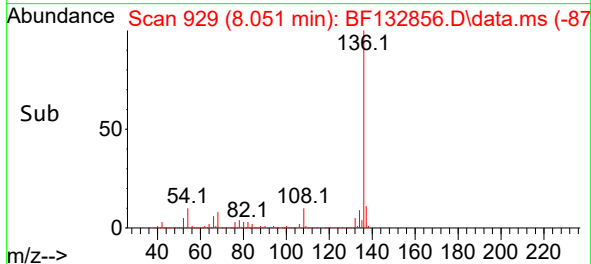
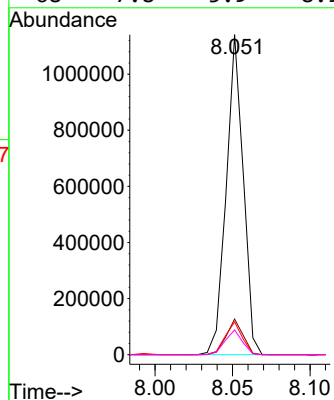
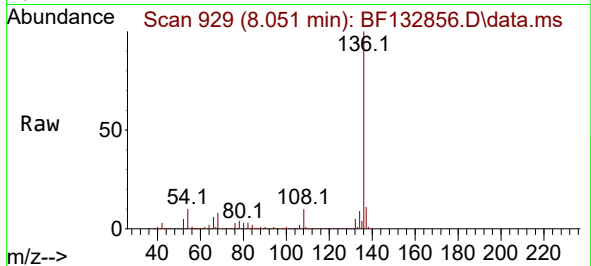




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.051 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

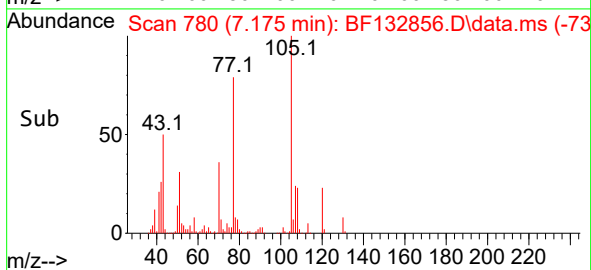
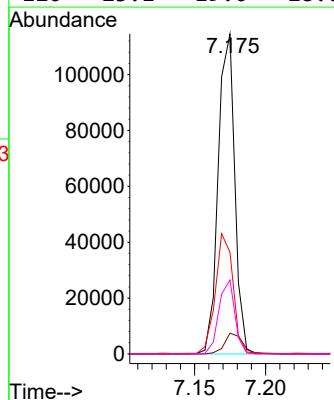
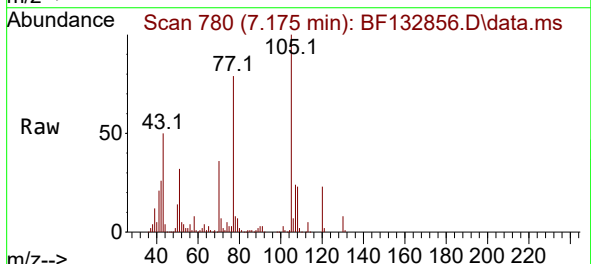
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

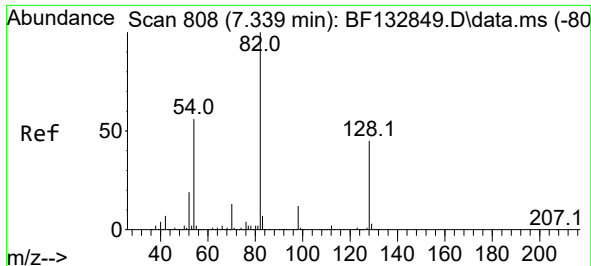
Tgt Ion:136 Resp: 869062  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 10.2 8.2 12.2  
68 7.8 5.9 8.9



#22  
Acetophenone  
Concen: 4.510 ng  
RT: 7.175 min Scan# 780  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:105 Resp: 92877  
Ion Ratio Lower Upper  
105 100  
71 6.5 4.1 6.1#  
51 31.8 26.6 39.8  
120 23.1 19.0 28.6





#23

Nitrobenzene-d5

Concen: 74.985 ng

RT: 7.334 min Scan# 808

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

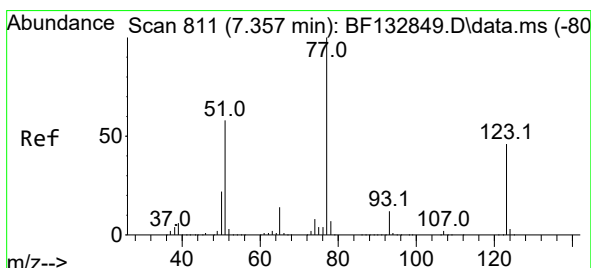
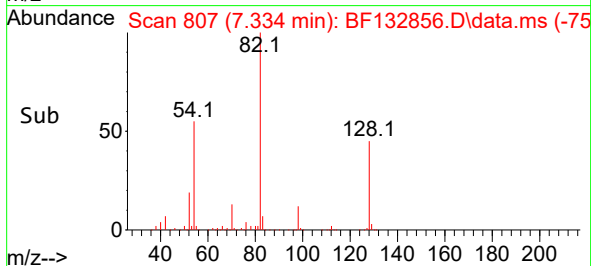
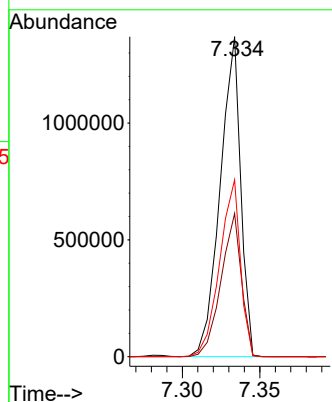
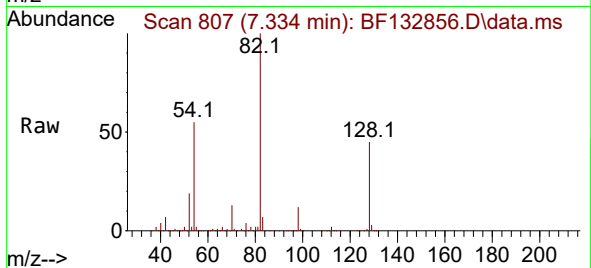
Tgt Ion: 82 Resp: 1259346

Ion Ratio Lower Upper

82 100

128 44.8 35.9 53.9

54 55.2 44.6 67.0



#24

Nitrobenzene

Concen: 4.155 ng

RT: 7.345 min Scan# 809

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

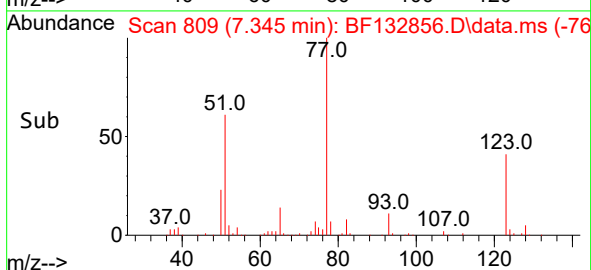
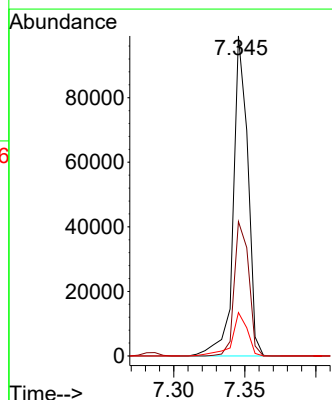
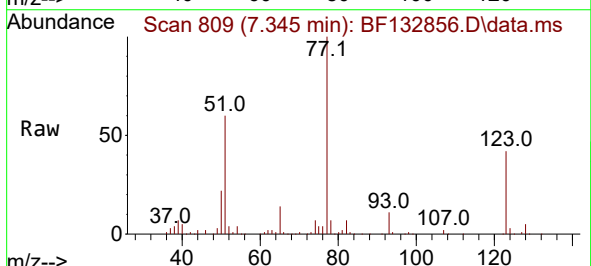
Tgt Ion: 77 Resp: 70710

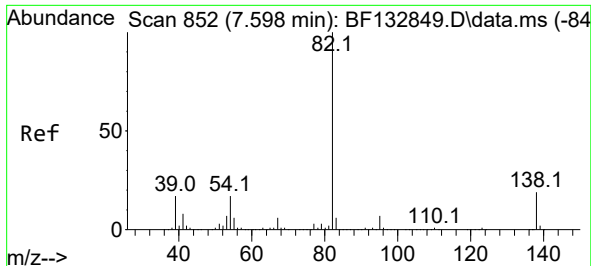
Ion Ratio Lower Upper

77 100

123 42.0 37.0 55.4

65 13.6 10.8 16.2

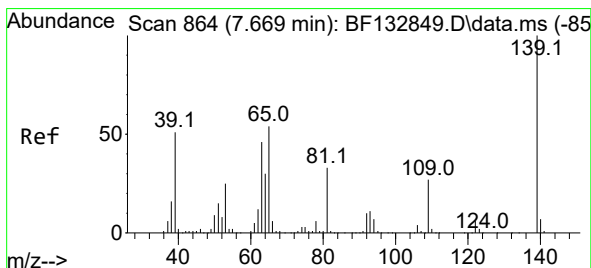
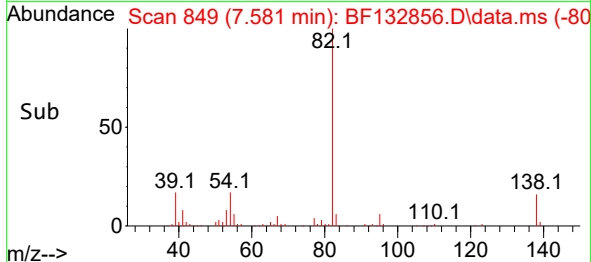
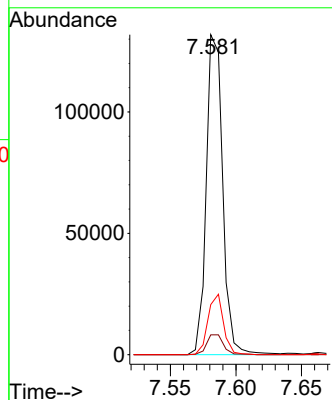
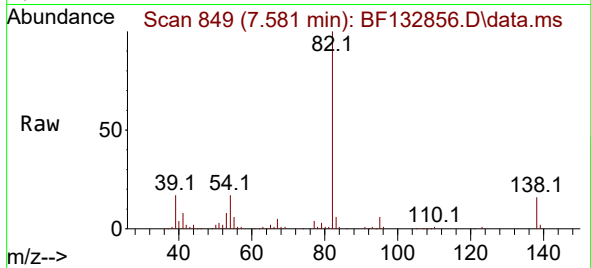




#25  
Isophorone  
Concen: 3.855 ng  
RT: 7.581 min Scan# 84  
Delta R.T. -0.017 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

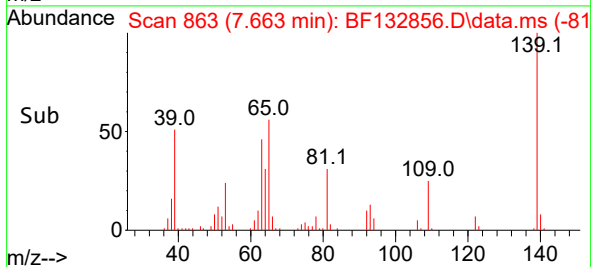
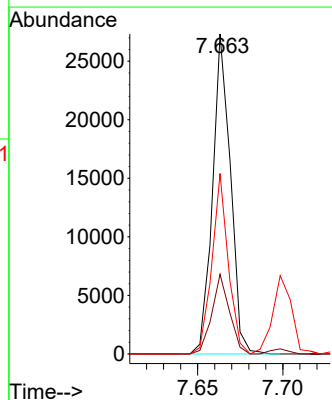
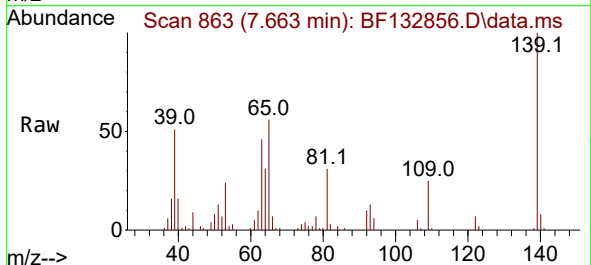
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

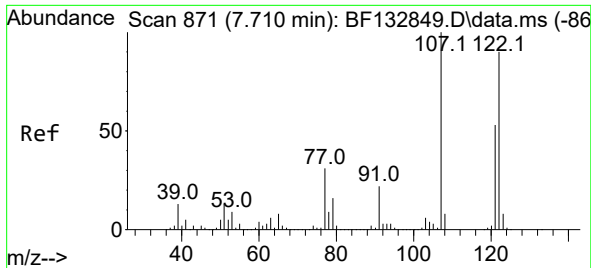
Tgt Ion: 82 Resp: 115443  
Ion Ratio Lower Upper  
82 100  
95 6.2 5.4 8.0  
138 15.6 15.2 22.8



#26  
2-Nitrophenol  
Concen: 3.277 ng  
RT: 7.663 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:139 Resp: 19890  
Ion Ratio Lower Upper  
139 100  
109 24.9 21.3 31.9  
65 56.4 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 4.207 ng

RT: 7.698 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

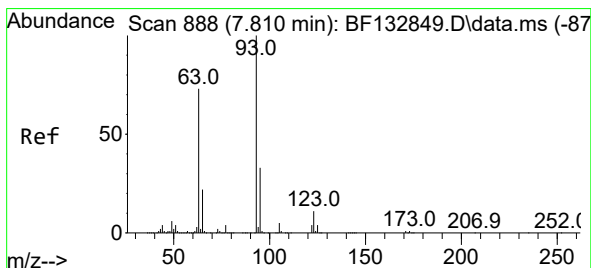
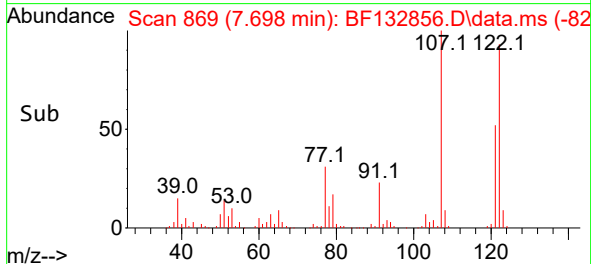
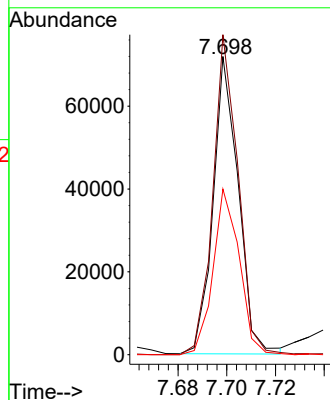
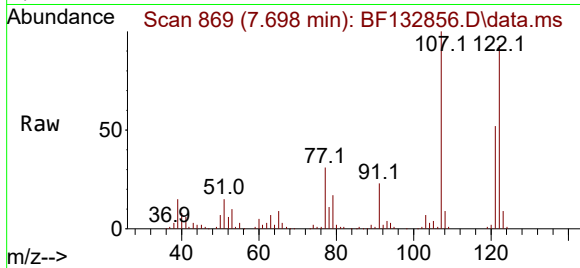
Tgt Ion:122 Resp: 51600

Ion Ratio Lower Upper

122 100

107 107.3 89.1 133.7

121 55.5 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 4.060 ng

RT: 7.798 min Scan# 886

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

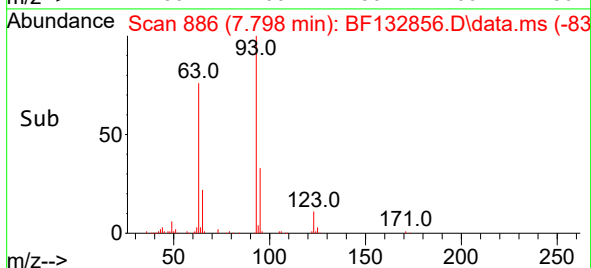
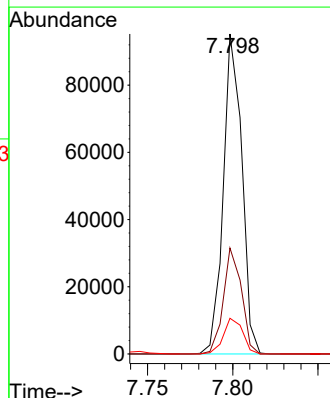
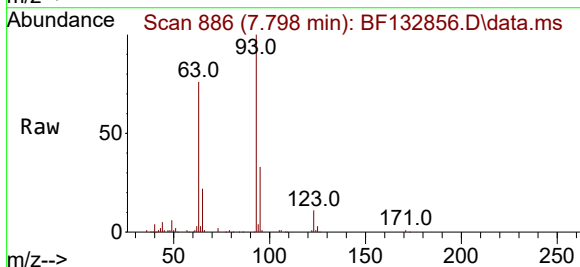
Tgt Ion: 93 Resp: 72147

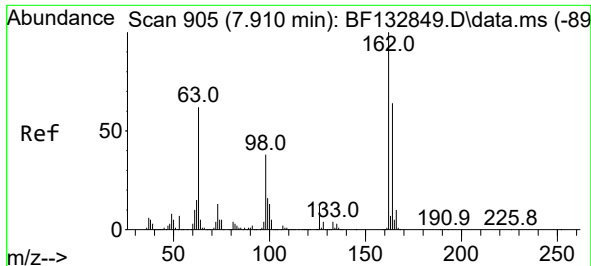
Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

123 11.1 9.3 13.9

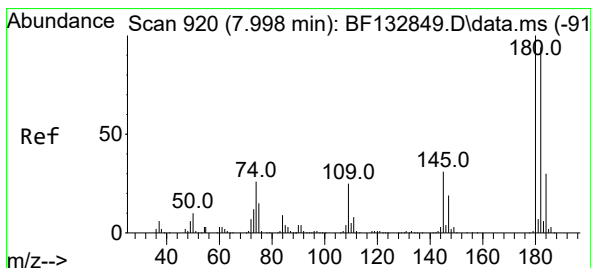
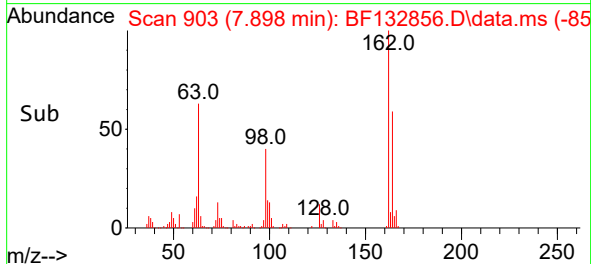
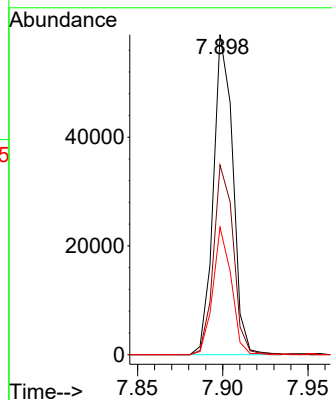
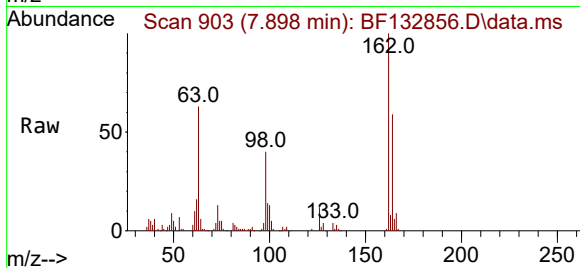




#29  
2,4-Dichlorophenol  
Concen: 4.013 ng  
RT: 7.898 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

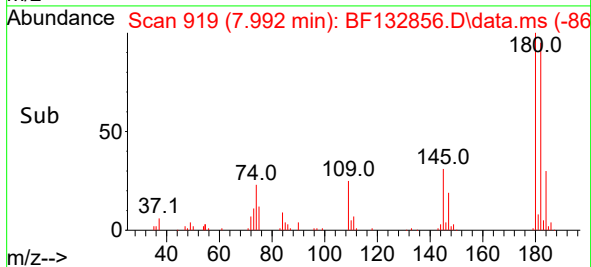
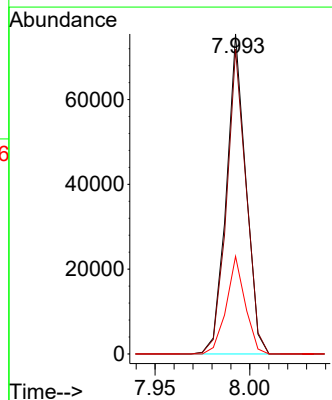
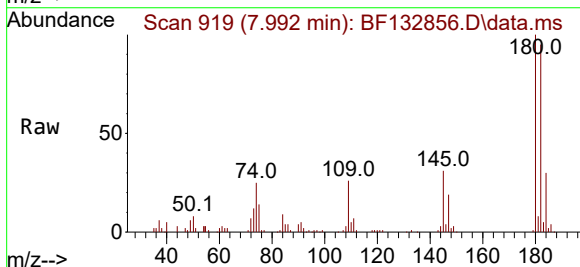
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

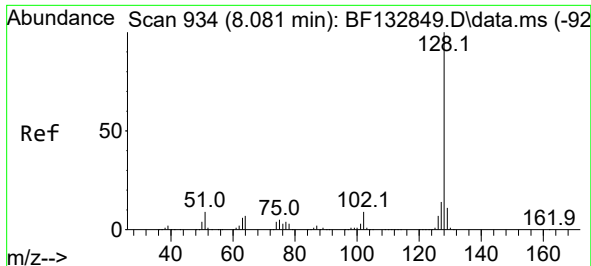
Tgt Ion:162 Resp: 46724  
Ion Ratio Lower Upper  
162 100  
164 59.2 43.5 83.5  
98 39.8 18.0 58.0



#30  
1,2,4-Trichlorobenzene  
Concen: 4.205 ng  
RT: 7.992 min Scan# 919  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:180 Resp: 54054  
Ion Ratio Lower Upper  
180 100  
182 95.2 75.5 113.3  
145 30.5 24.9 37.3

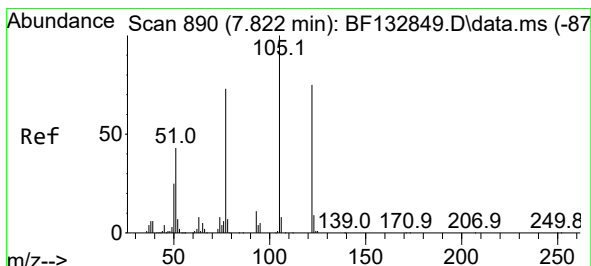
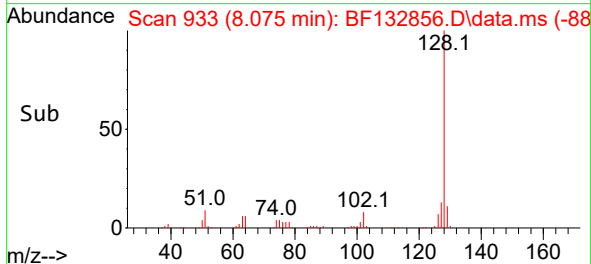
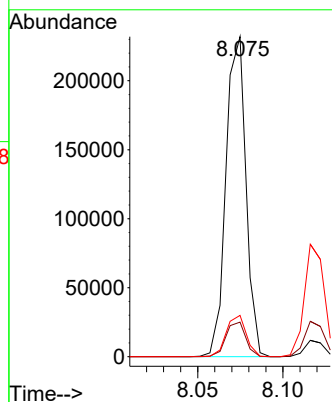
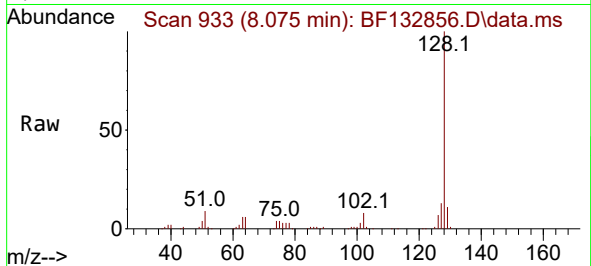




#31  
Naphthalene  
Concen: 4.272 ng  
RT: 8.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

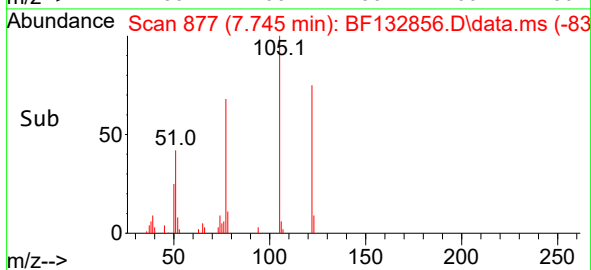
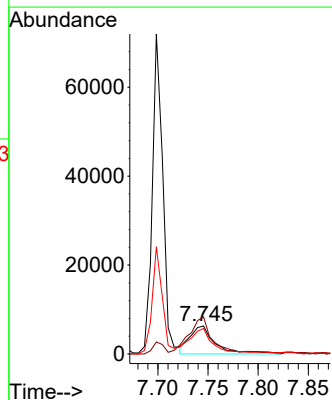
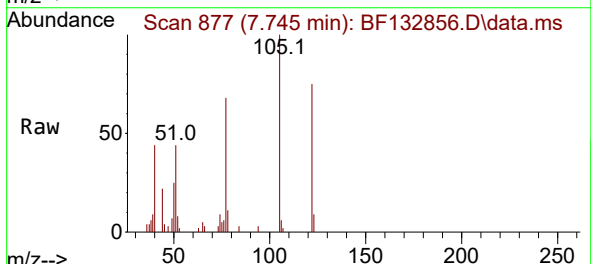
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

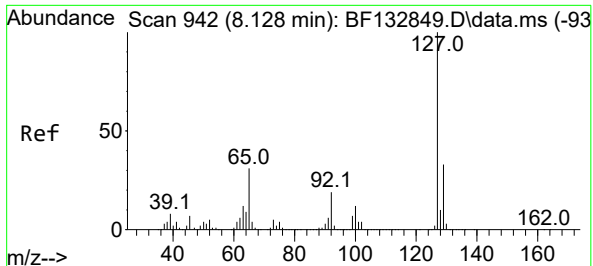
Tgt Ion:128 Resp: 189437  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.9 13.3  
127 12.9 10.9 16.3



#32  
Benzoic acid  
Concen: 7.678 ng  
RT: 7.745 min Scan# 877  
Delta R.T. -0.077 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:122 Resp: 11232  
Ion Ratio Lower Upper  
122 100  
105 132.9 109.5 149.5  
77 90.8 74.9 114.9

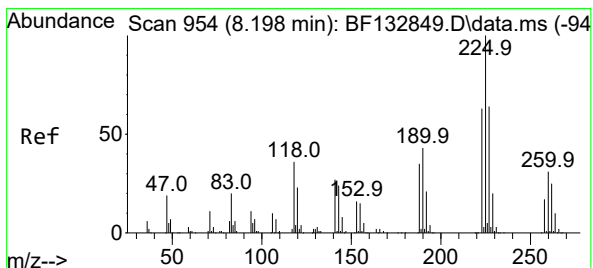
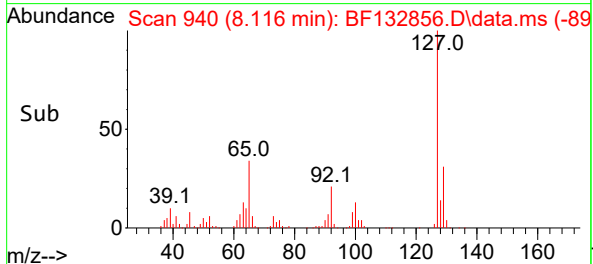
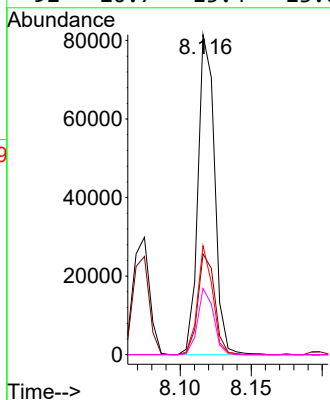
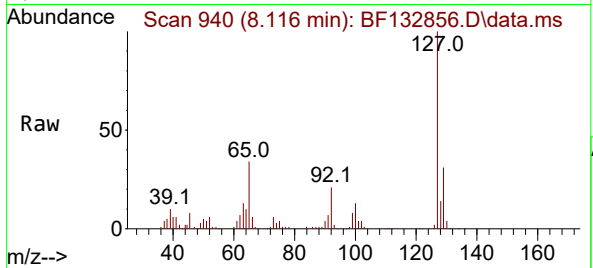




#33  
4-Chloroaniline  
Concen: 3.774 ng  
RT: 8.116 min Scan# 94  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

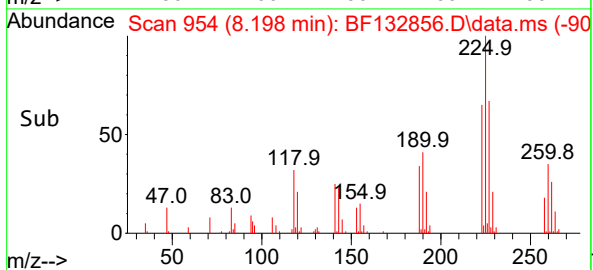
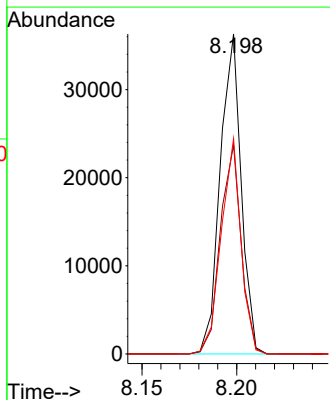
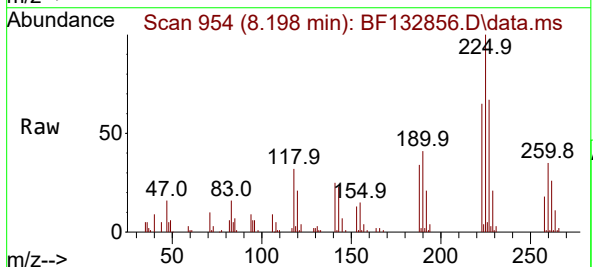
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

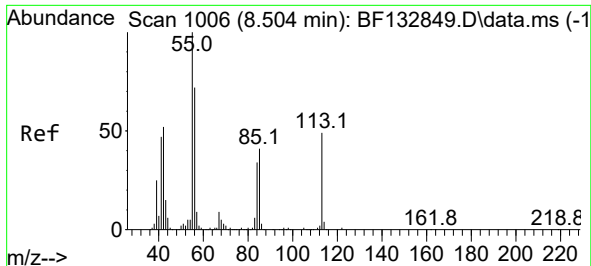
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 66492 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 31.4  | 26.5  | 39.7  |
| 65        | 34.1  | 24.7  | 37.1  |
| 92        | 20.7  | 15.4  | 23.0  |



#34  
Hexachlorobutadiene  
Concen: 3.994 ng  
RT: 8.198 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 27945 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 65.3  | 50.1  | 75.1  |
| 227       | 67.3  | 51.1  | 76.7  |

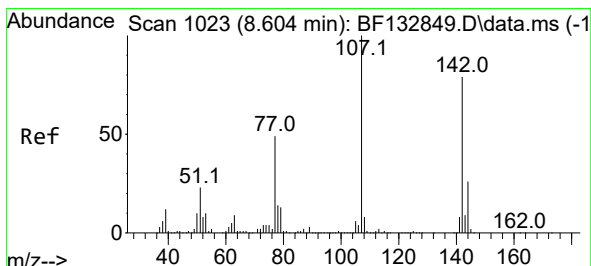
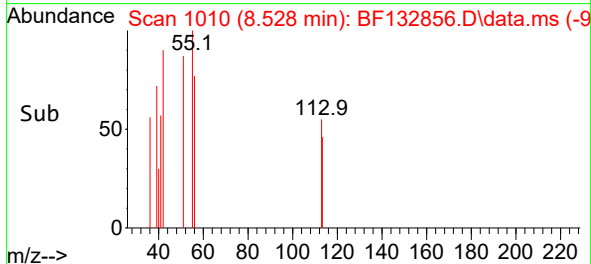
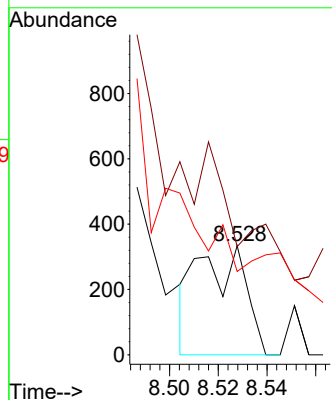
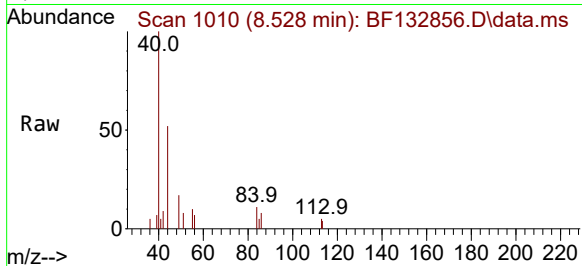




#35  
 Caprolactam  
 Concen: 5.481 ng  
 RT: 8.528 min Scan# 1010  
 Delta R.T. 0.024 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

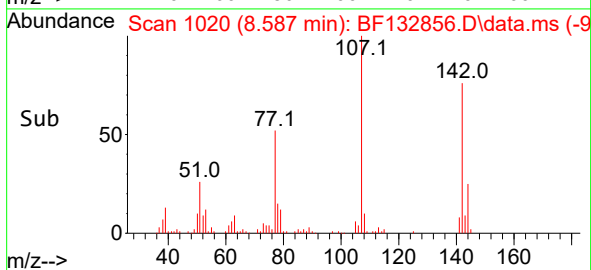
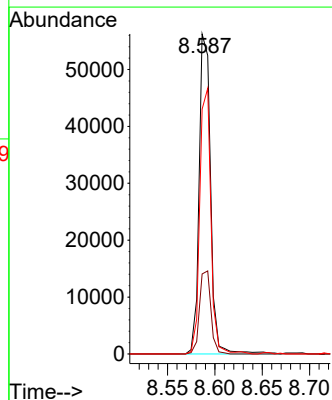
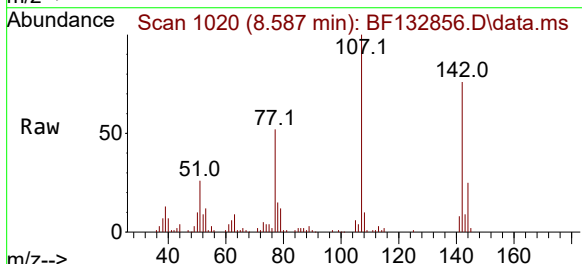
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2023

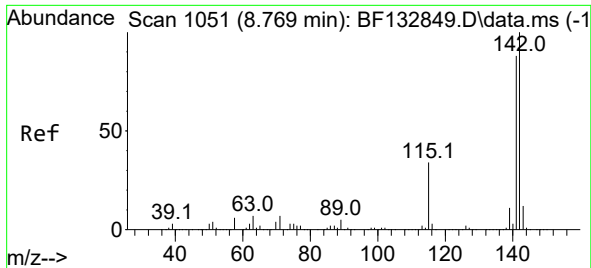
Tgt Ion:113 Resp: 444  
 Ion Ratio Lower Upper  
 113 100  
 55 99.1 183.9 223.9#  
 56 76.3 127.6 167.6#



#36  
 4-Chloro-3-methylphenol  
 Concen: 3.820 ng  
 RT: 8.587 min Scan# 1020  
 Delta R.T. -0.017 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

Tgt Ion:107 Resp: 47449  
 Ion Ratio Lower Upper  
 107 100  
 144 25.0 21.0 31.4  
 142 76.5 62.8 94.2

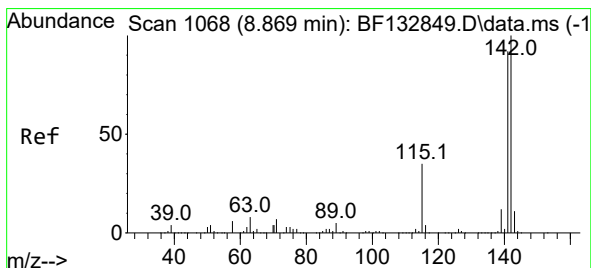
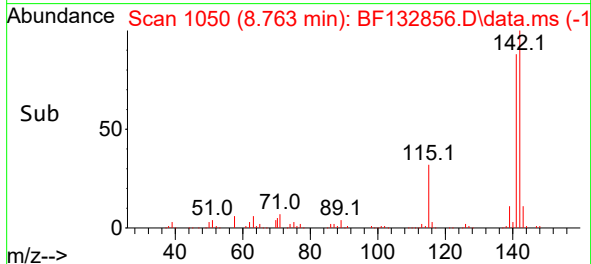
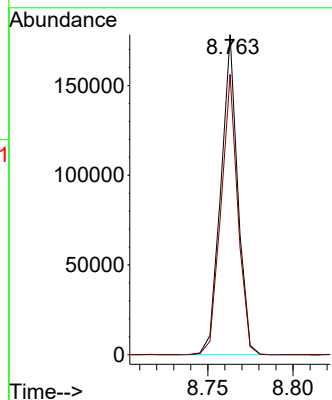
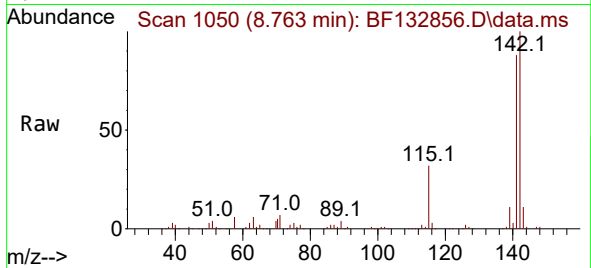




#37  
2-Methylnaphthalene  
Concen: 4.153 ng  
RT: 8.763 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

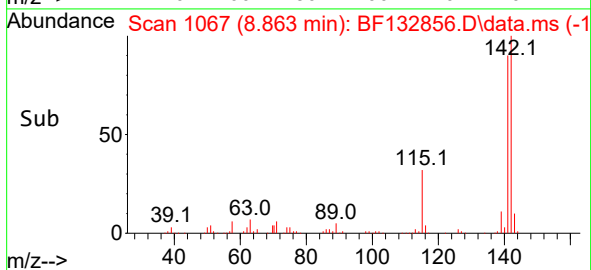
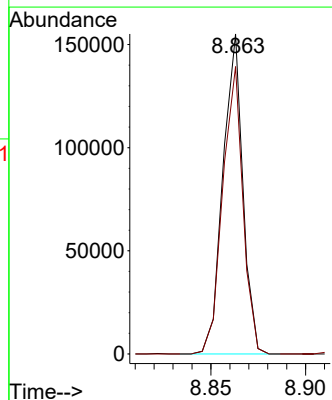
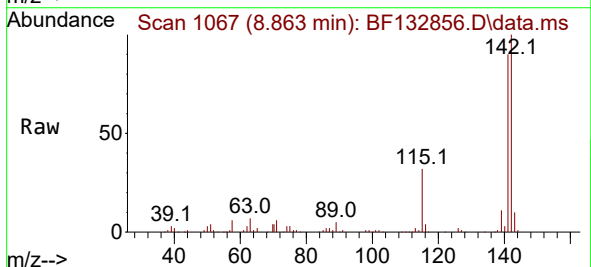
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

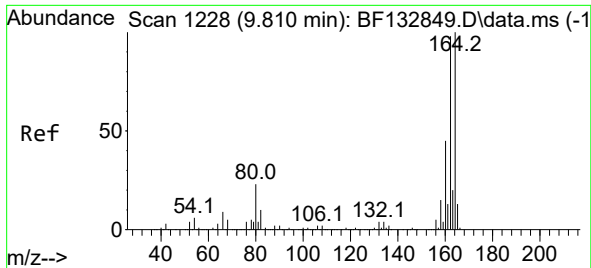
Tgt Ion:142 Resp: 123186  
Ion Ratio Lower Upper  
142 100  
141 87.6 70.7 106.1



#38  
1-Methylnaphthalene  
Concen: 4.098 ng  
RT: 8.863 min Scan# 1067  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:142 Resp: 113376  
Ion Ratio Lower Upper  
142 100  
141 89.8 73.8 110.8

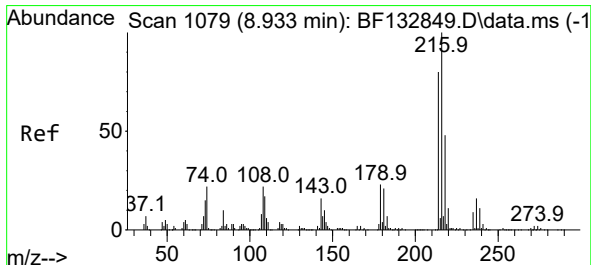
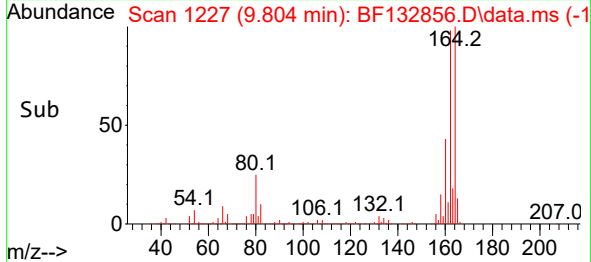
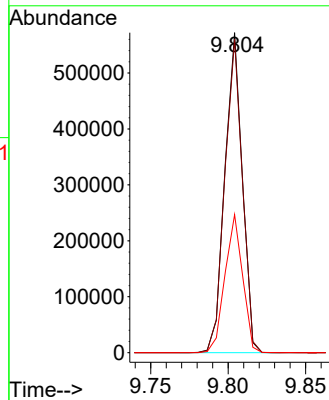
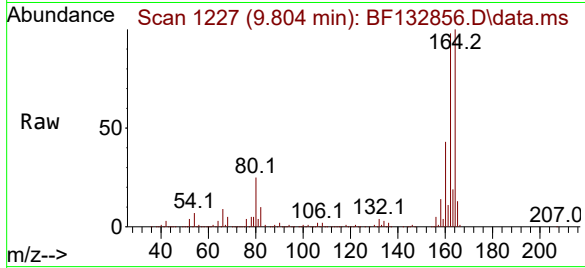




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

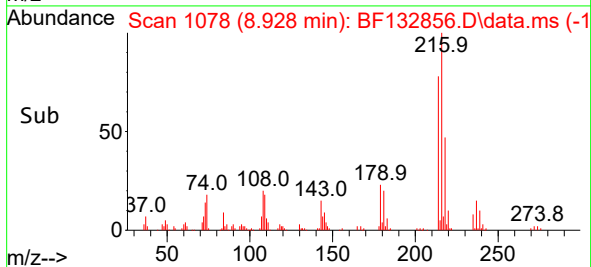
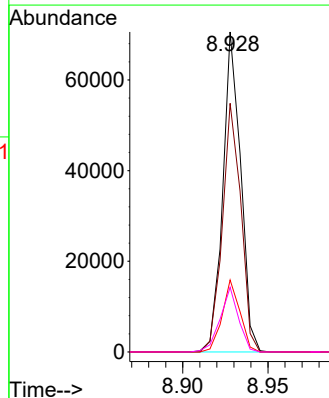
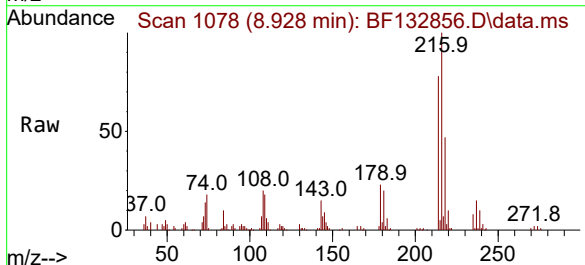
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

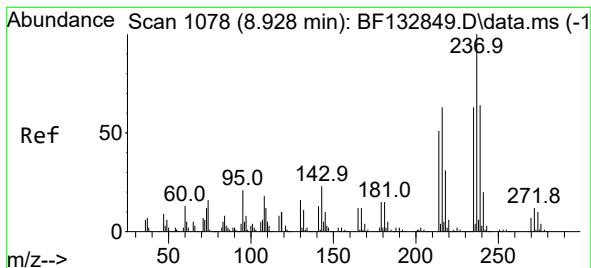
Tgt Ion:164 Resp: 447593  
Ion Ratio Lower Upper  
164 100  
162 97.9 78.1 117.1  
160 43.1 35.7 53.5



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.117 ng  
RT: 8.928 min Scan# 1078  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:216 Resp: 51437  
Ion Ratio Lower Upper  
216 100  
214 80.3 63.4 95.0  
179 22.4 17.7 26.5  
108 20.8 17.3 25.9





#41

Hexachlorocyclopentadiene

Concen: 3.443 ng

RT: 8.922 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

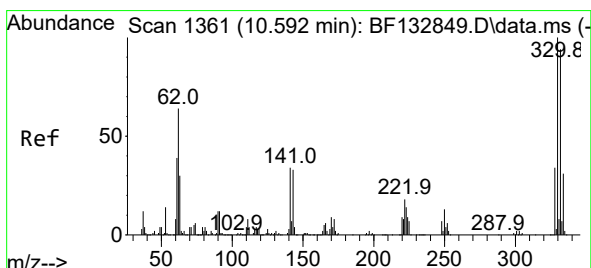
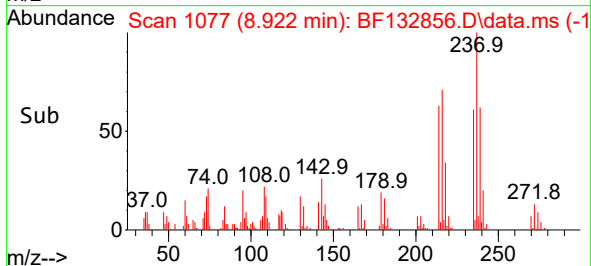
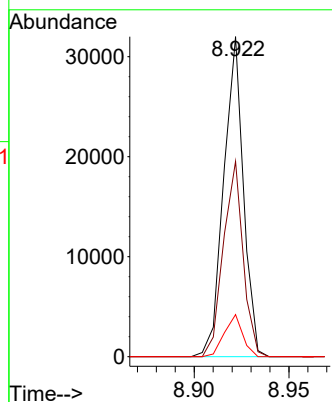
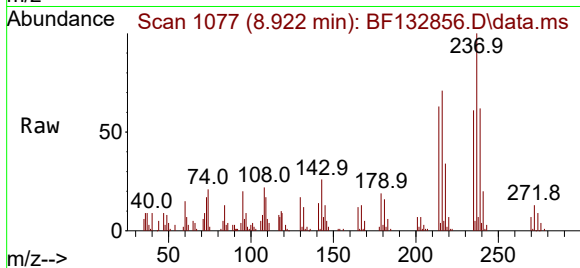
Tgt Ion:237 Resp: 23158

Ion Ratio Lower Upper

237 100

235 61.0 43.4 83.4

272 13.2 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 115.396 ng

RT: 10.592 min Scan# 1361

Delta R.T. 0.000 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

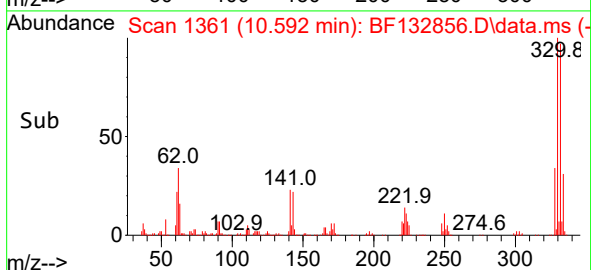
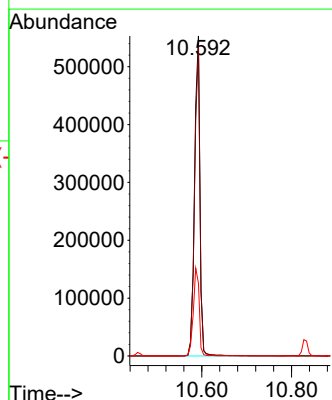
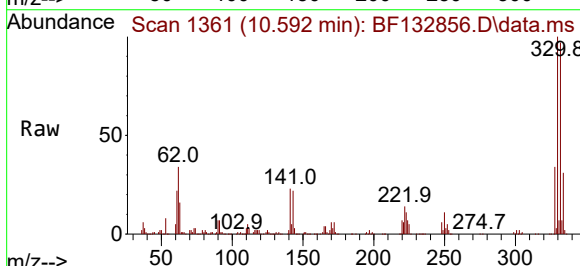
Tgt Ion:330 Resp: 459032

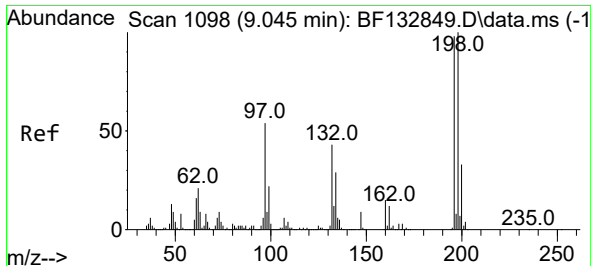
Ion Ratio Lower Upper

330 100

332 95.6 76.1 114.1

141 29.9 25.9 38.9

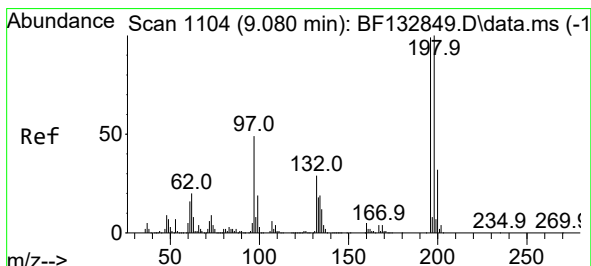
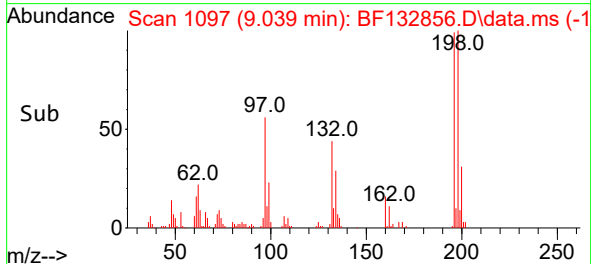
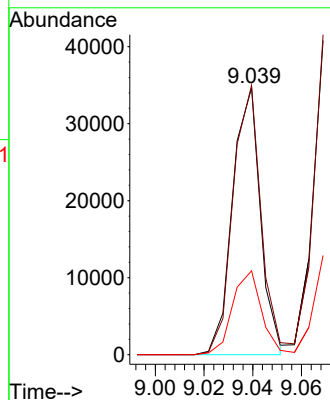
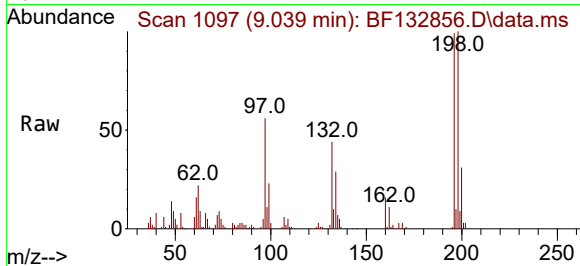




#43  
2,4,6-Trichlorophenol  
Concen: 3.597 ng  
RT: 9.039 min Scan# 1102  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

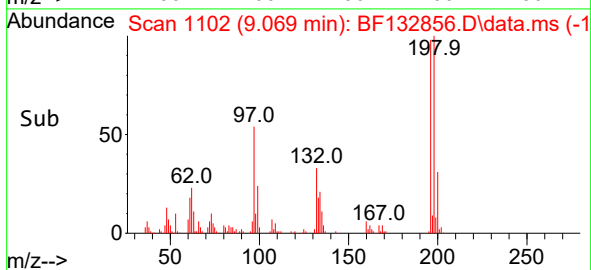
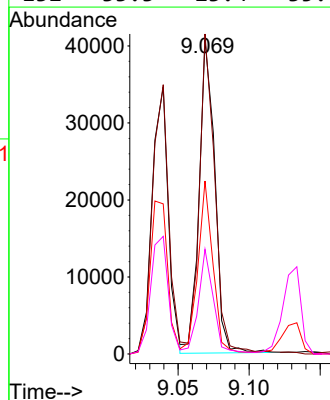
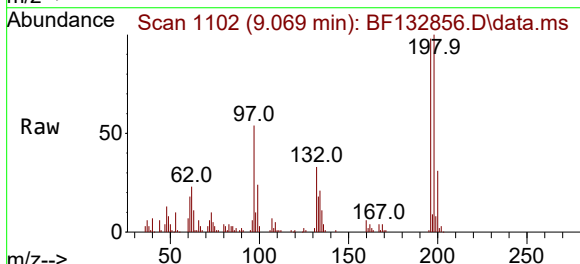
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

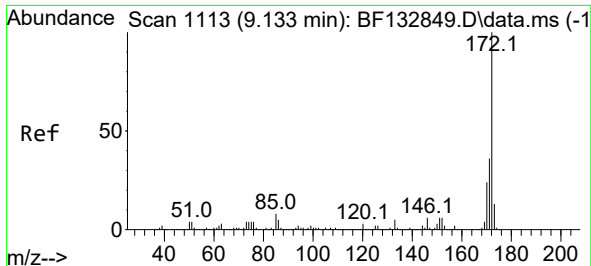
Tgt Ion:196 Resp: 27613  
Ion Ratio Lower Upper  
196 100  
198 100.9 81.4 122.0  
200 31.4 26.7 40.1



#44  
2,4,5-Trichlorophenol  
Concen: 3.460 ng  
RT: 9.069 min Scan# 1102  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:196 Resp: 31368  
Ion Ratio Lower Upper  
196 100  
198 101.8 80.6 121.0  
97 55.0 39.4 59.2  
132 33.3 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 74.609 ng

RT: 9.134 min Scan# 1113

Delta R.T. 0.001 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

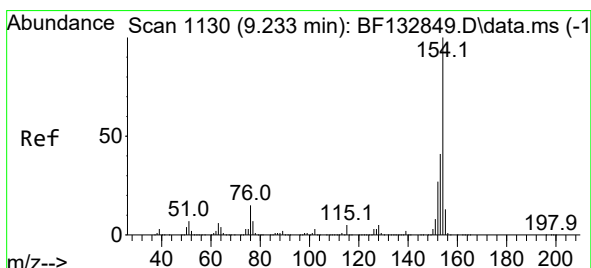
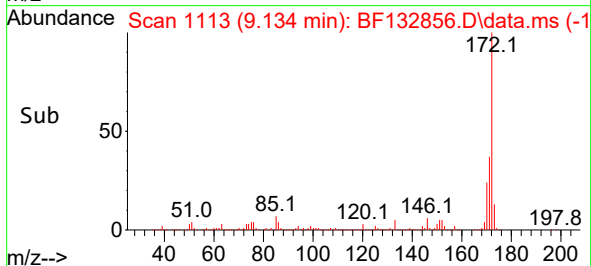
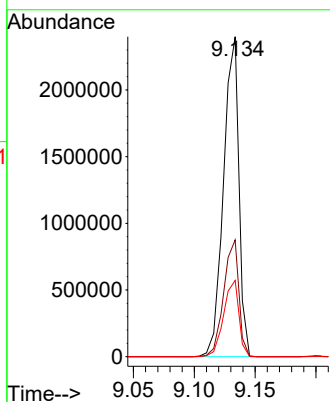
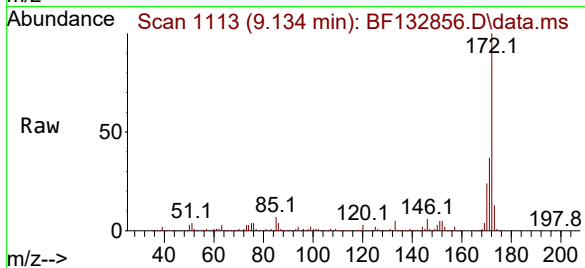
Tgt Ion:172 Resp: 2110972

Ion Ratio Lower Upper

172 100

171 36.5 28.6 42.8

170 23.9 19.3 28.9



#46

1,1'-Biphenyl

Concen: 4.355 ng

RT: 9.228 min Scan# 1129

Delta R.T. -0.005 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

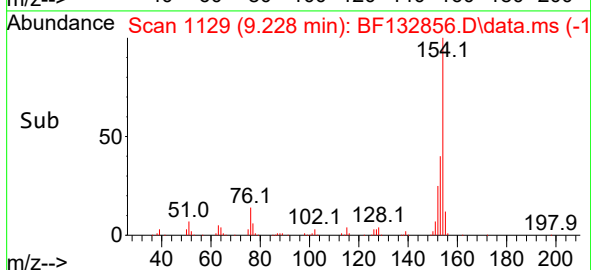
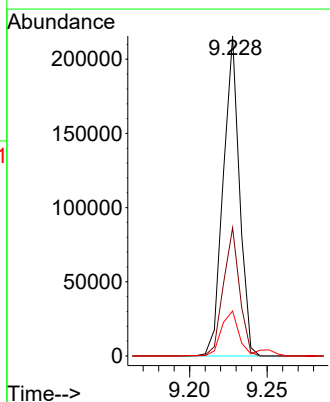
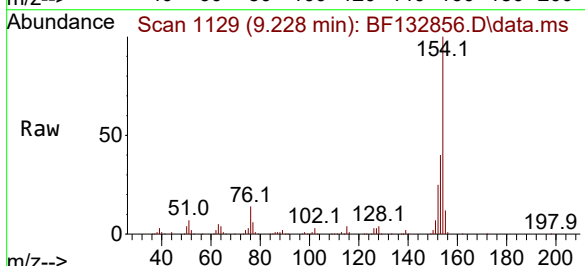
Tgt Ion:154 Resp: 157110

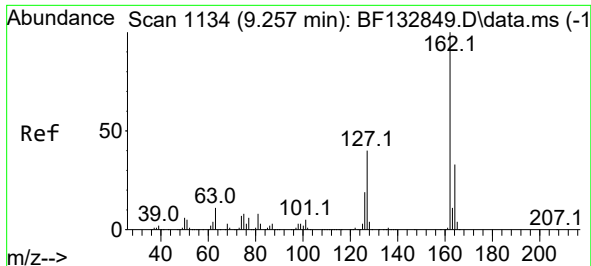
Ion Ratio Lower Upper

154 100

153 40.1 20.7 60.7

76 14.0 0.0 34.8





#47

2-Chloronaphthalene

Concen: 4.226 ng

RT: 9.251 min Scan# 1116

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

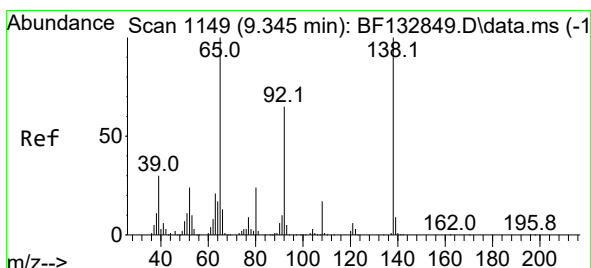
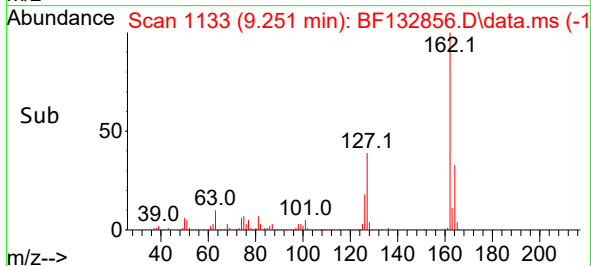
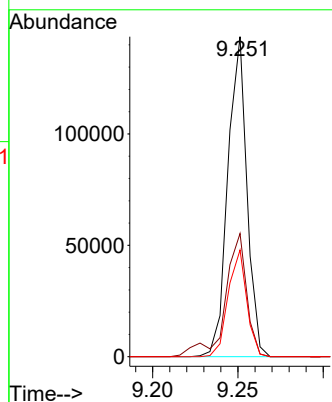
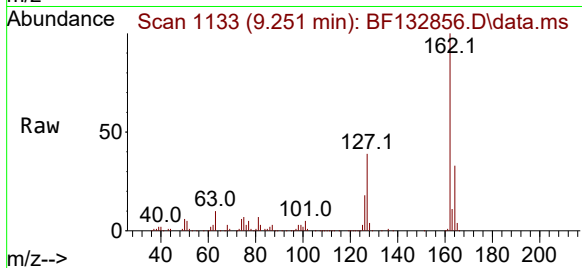
Tgt Ion:162 Resp: 111604

Ion Ratio Lower Upper

162 100

127 38.5 32.1 48.1

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 4.763 ng

RT: 9.339 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

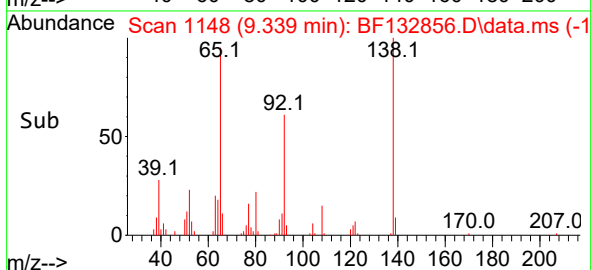
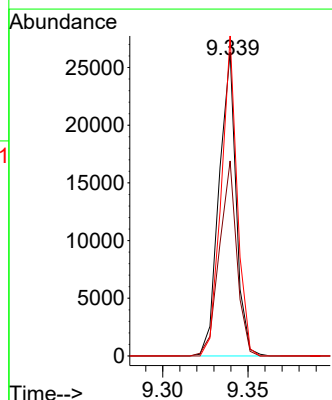
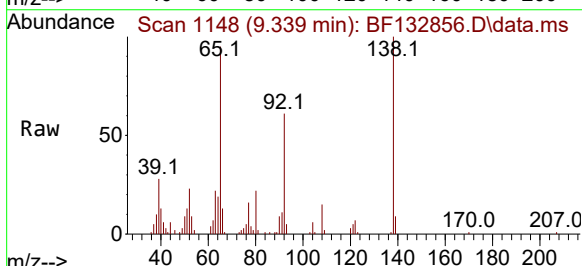
Tgt Ion: 65 Resp: 18334

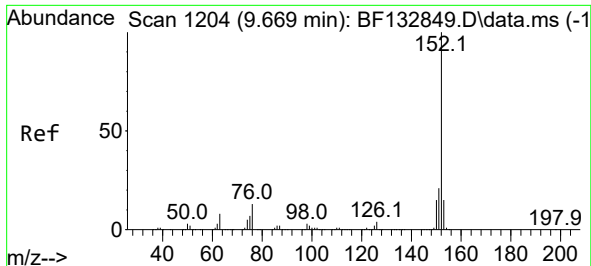
Ion Ratio Lower Upper

65 100

92 64.2 52.2 78.2

138 105.3 80.3 120.5

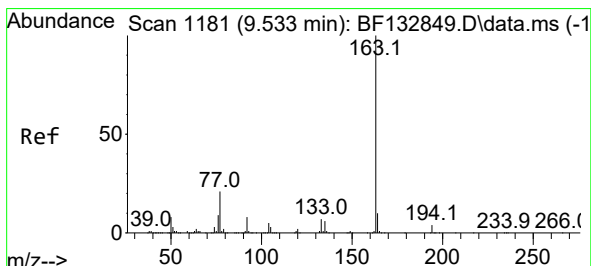
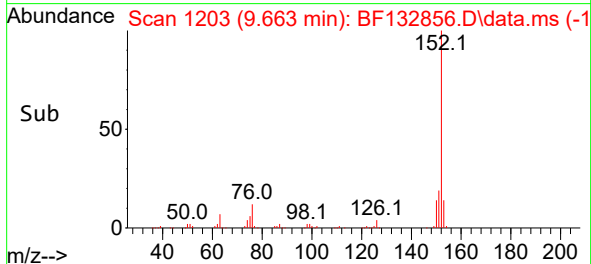
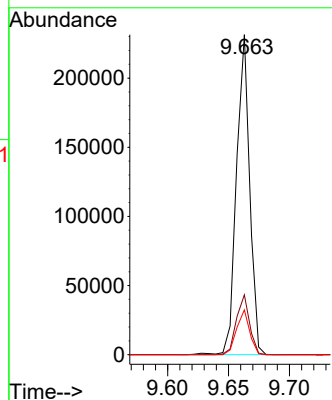
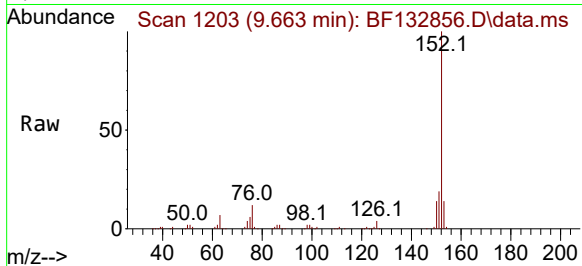




#49  
Acenaphthylene  
Concen: 4.080 ng  
RT: 9.663 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

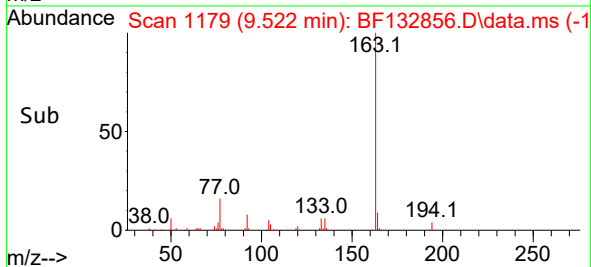
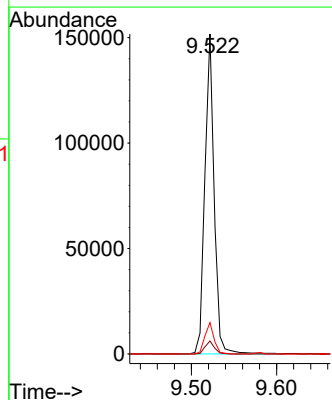
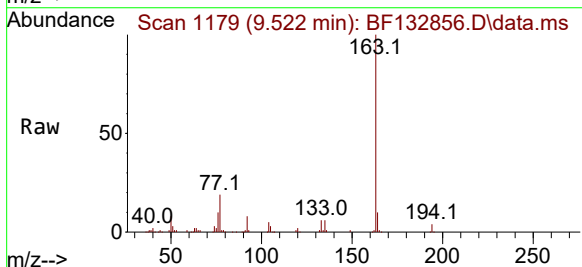
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

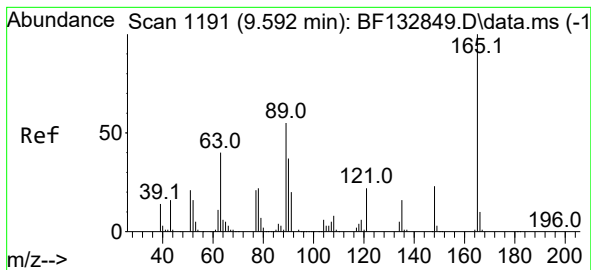
Tgt Ion:152 Resp: 174170  
Ion Ratio Lower Upper  
152 100  
151 18.7 16.6 25.0  
153 14.0 11.7 17.5



#50  
Dimethylphthalate  
Concen: 3.974 ng  
RT: 9.522 min Scan# 1179  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:163 Resp: 114854  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 9.8 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 2.935 ng

RT: 9.581 min Scan# 1189

Delta R.T. -0.011 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

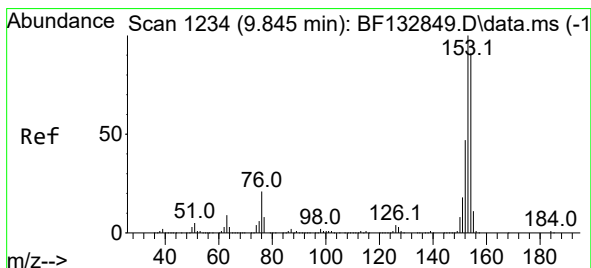
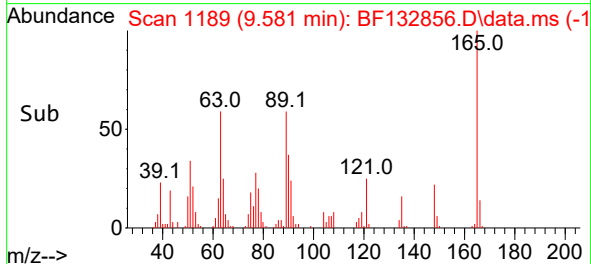
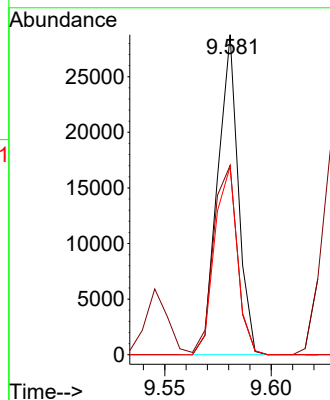
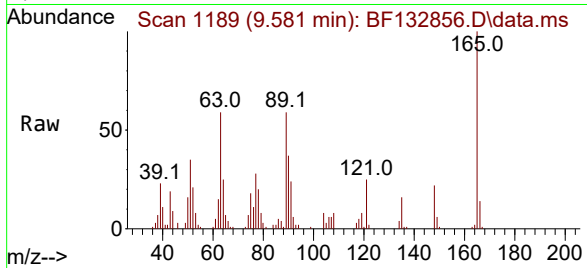
Tgt Ion:165 Resp: 19352

Ion Ratio Lower Upper

165 100

63 59.1 46.7 70.1

89 58.8 44.1 66.1



#52

Acenaphthene

Concen: 4.092 ng

RT: 9.834 min Scan# 1232

Delta R.T. -0.011 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

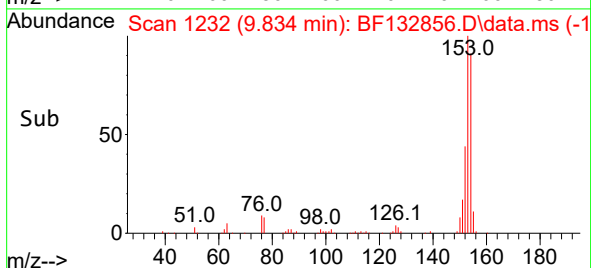
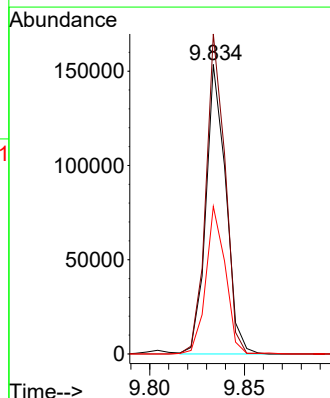
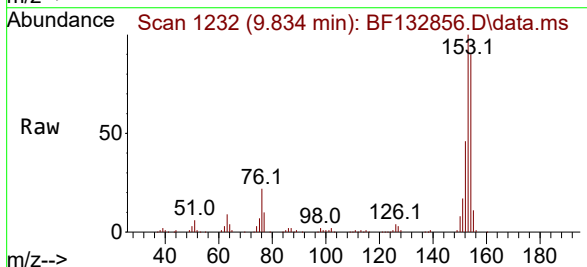
Tgt Ion:154 Resp: 112247

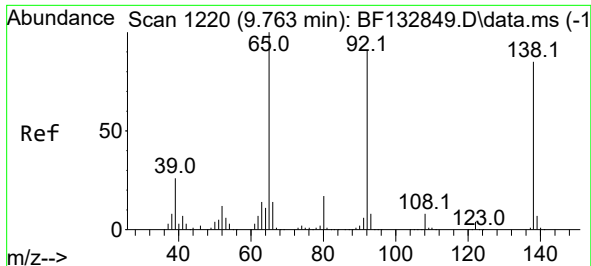
Ion Ratio Lower Upper

154 100

153 110.5 88.2 132.2

152 51.0 41.6 62.4

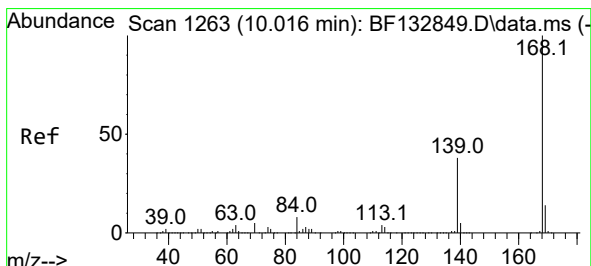
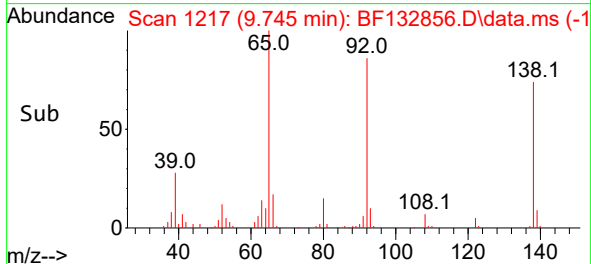
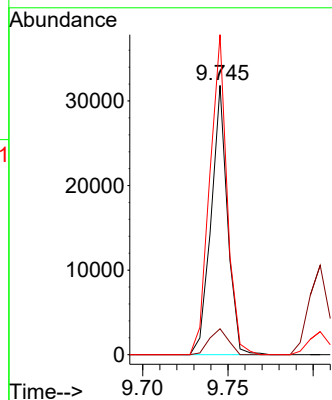
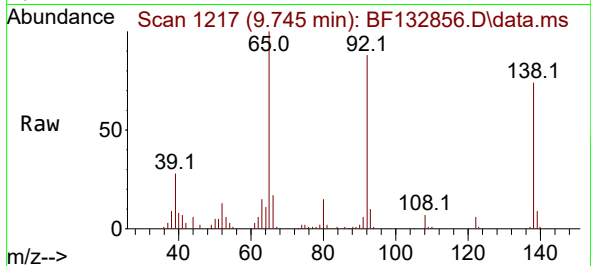




#53  
3-Nitroaniline  
Concen: 2.789 ng  
RT: 9.745 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

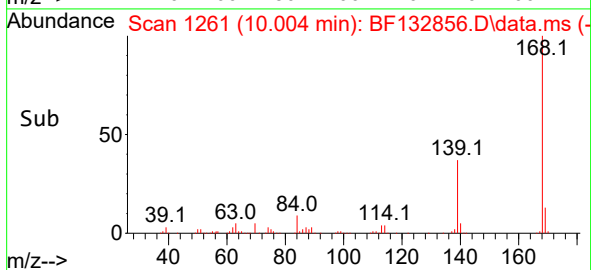
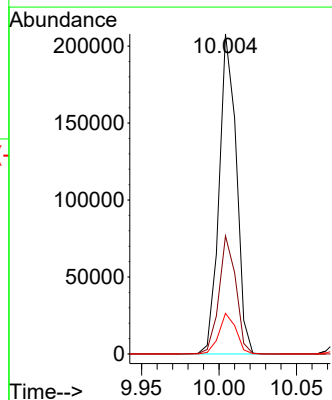
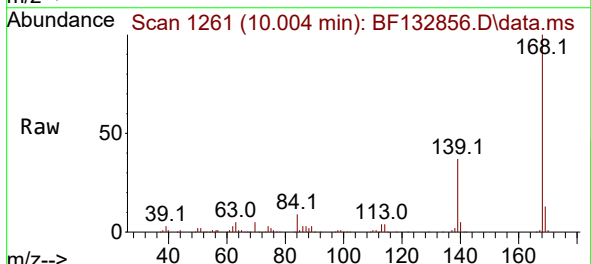
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

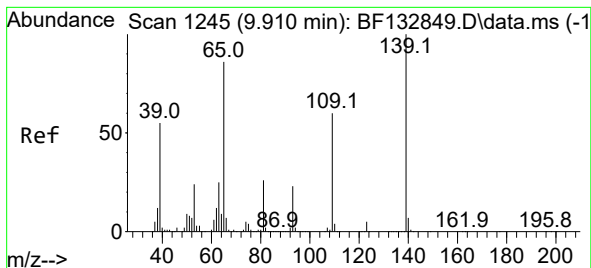
Tgt Ion:138 Resp: 21271  
Ion Ratio Lower Upper  
138 100  
108 9.6 7.2 10.8  
92 118.8 85.4 128.2



#55  
Dibenzofuran  
Concen: 4.126 ng  
RT: 10.004 min Scan# 1261  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:168 Resp: 160426  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.1 45.1  
169 12.7 10.8 16.2





#56

4-Nitrophenol

Concen: 3.076 ng

RT: 9.892 min Scan# 1242

Delta R.T. -0.017 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

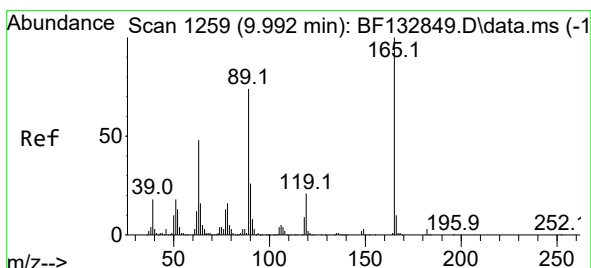
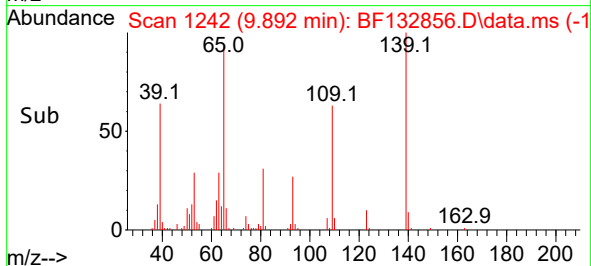
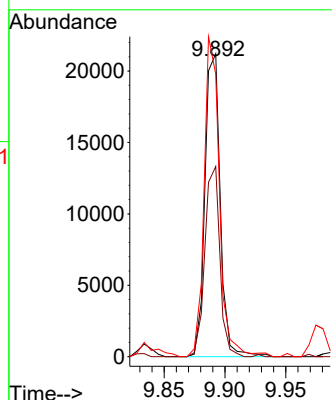
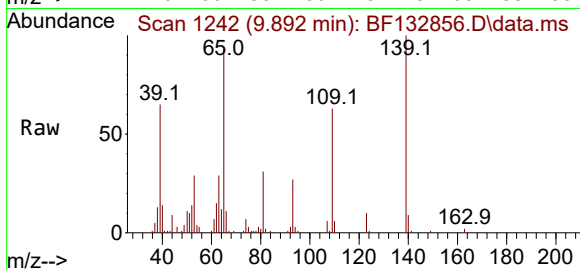
Tgt Ion:139 Resp: 18493

Ion Ratio Lower Upper

139 100

109 62.8 39.7 79.7

65 93.3 66.3 106.3



#57

2,4-Dinitrotoluene

Concen: 2.699 ng

RT: 9.981 min Scan# 1257

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:165 Resp: 22108

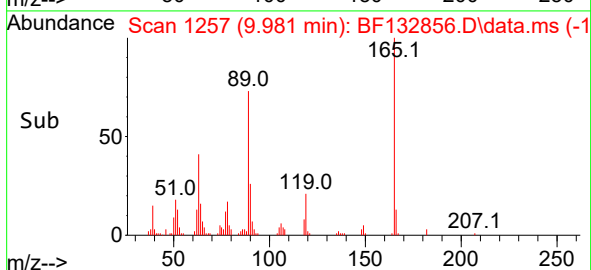
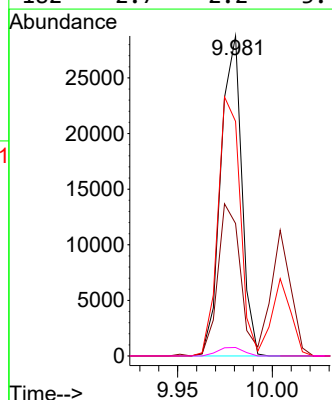
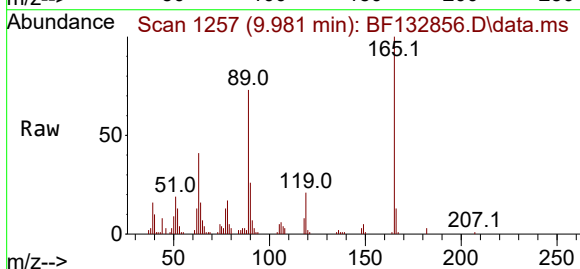
Ion Ratio Lower Upper

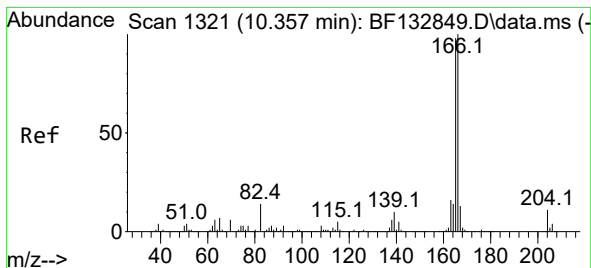
165 100

63 41.4 38.1 57.1

89 73.3 59.2 88.8

182 2.7 2.2 3.4





#58

Fluorene

Concen: 4.270 ng

RT: 10.345 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

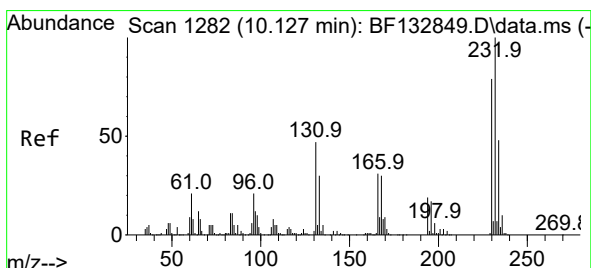
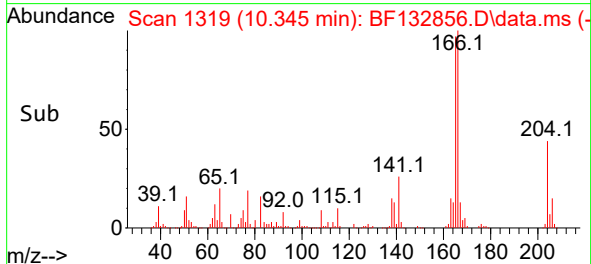
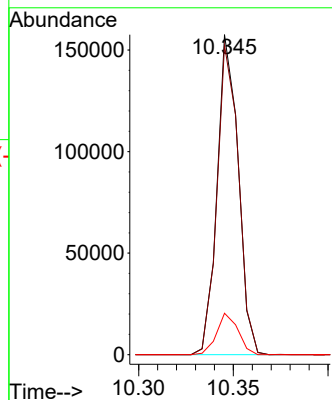
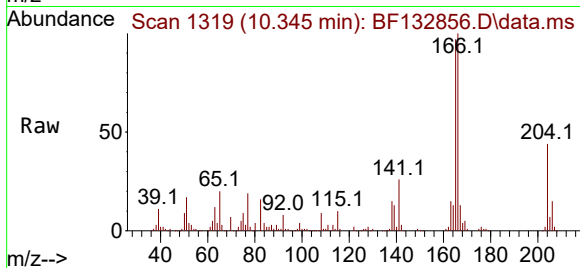
Tgt Ion:166 Resp: 122460

Ion Ratio Lower Upper

166 100

165 96.8 78.0 117.0

167 13.0 10.5 15.7



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.787 ng

RT: 10.122 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Tgt Ion:232 Resp: 26143

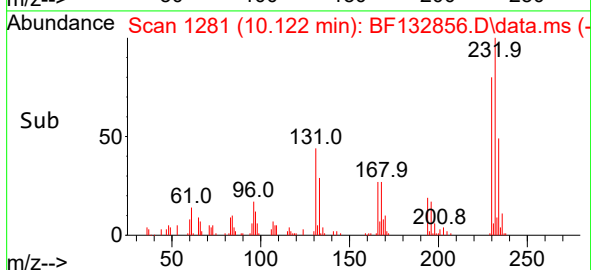
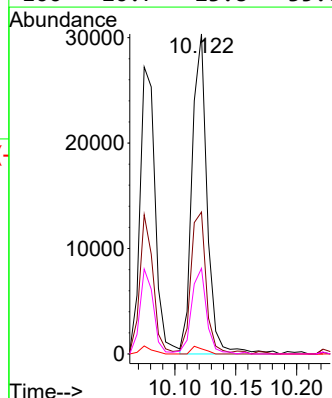
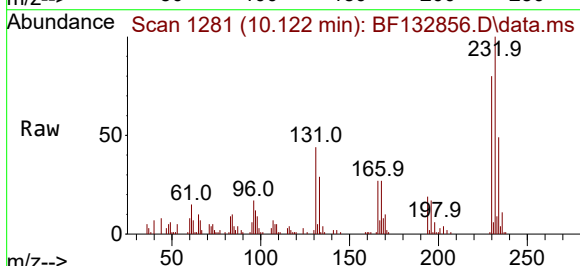
Ion Ratio Lower Upper

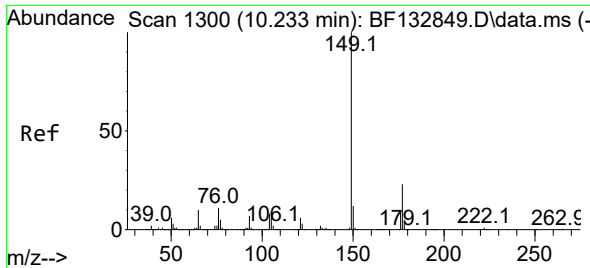
232 100

131 45.6 37.8 56.8

130 2.0 1.8 2.8

166 26.7 23.8 35.6

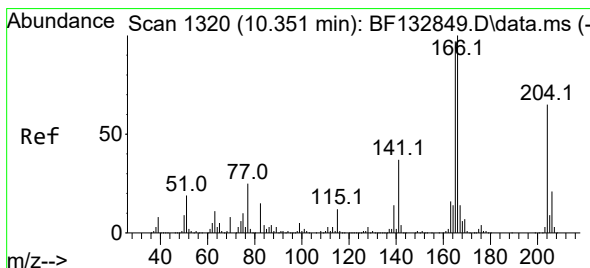
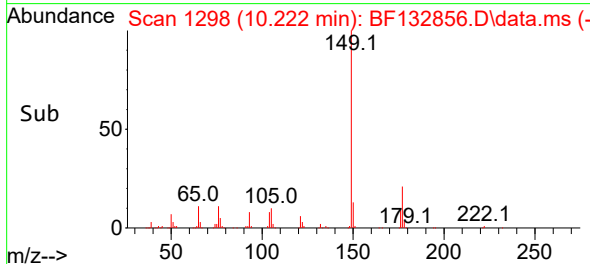
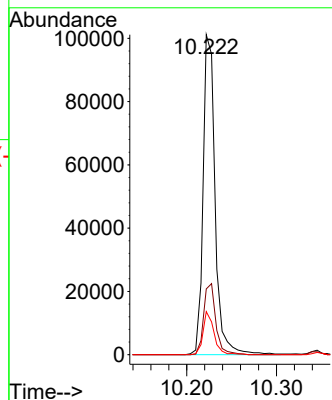
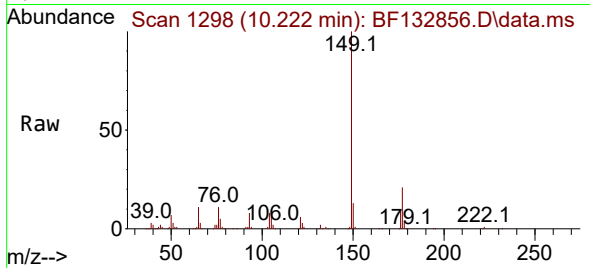




#60  
Diethylphthalate  
Concen: 3.838 ng  
RT: 10.222 min Scan# 1319  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

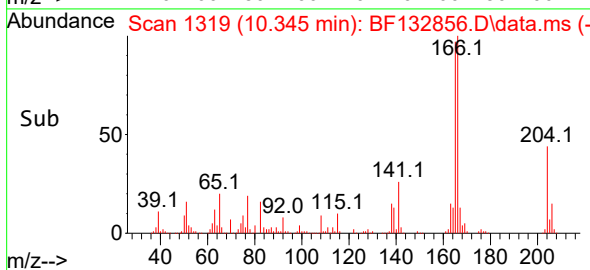
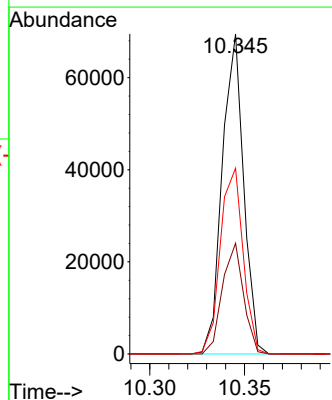
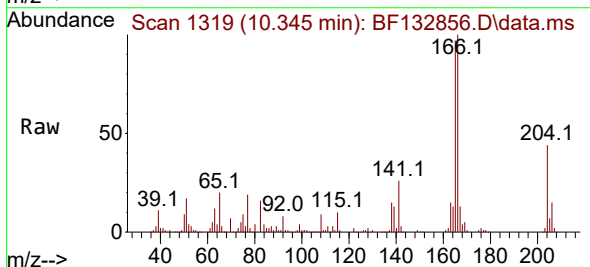
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

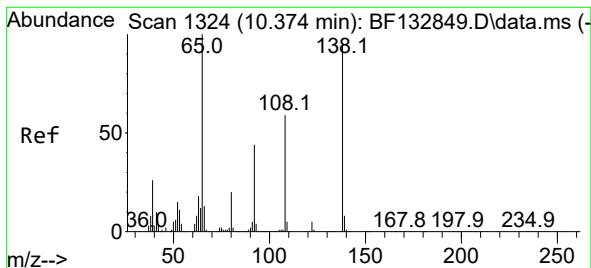
Tgt Ion:149 Resp: 94297  
Ion Ratio Lower Upper  
149 100  
177 20.6 18.5 27.7  
150 13.4 9.9 14.9



#61  
4-Chlorophenyl-phenylether  
Concen: 4.002 ng  
RT: 10.345 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:204 Resp: 54609  
Ion Ratio Lower Upper  
204 100  
206 34.6 26.1 39.1  
141 58.0 45.3 67.9

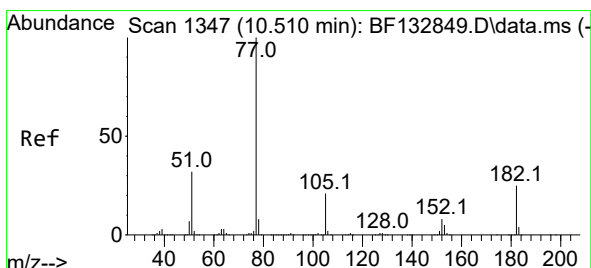
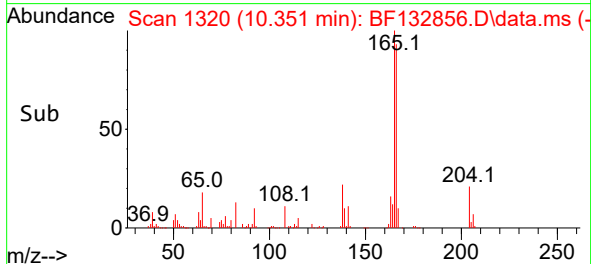
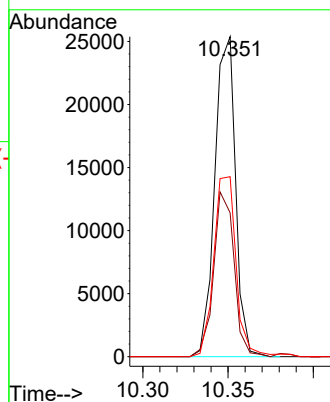
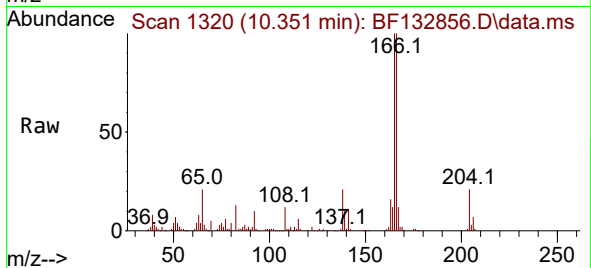




#62  
4-Nitroaniline  
Concen: 2.943 ng  
RT: 10.351 min Scan# 1320  
Delta R.T. -0.023 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

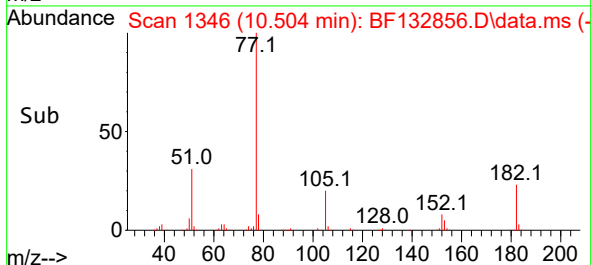
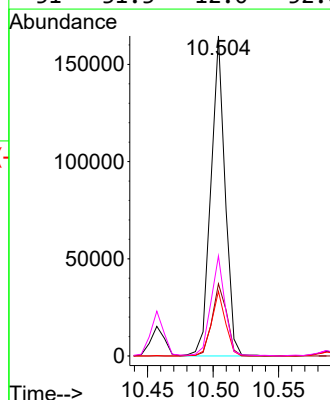
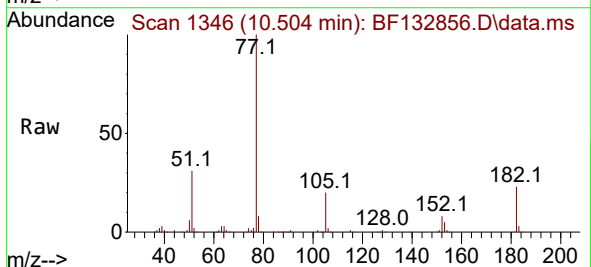
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

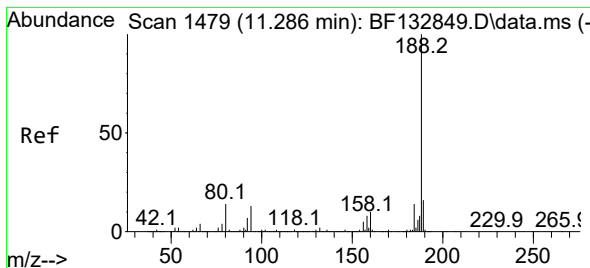
Tgt Ion:138 Resp: 21440  
Ion Ratio Lower Upper  
138 100  
92 45.0 26.7 66.7  
108 56.3 42.0 82.0



#63  
Azobenzene  
Concen: 3.885 ng  
RT: 10.504 min Scan# 1346  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion: 77 Resp: 124340  
Ion Ratio Lower Upper  
77 100  
182 22.6 5.1 45.1  
105 20.2 0.9 40.9  
51 31.3 12.0 52.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.281 min Scan# 1479

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

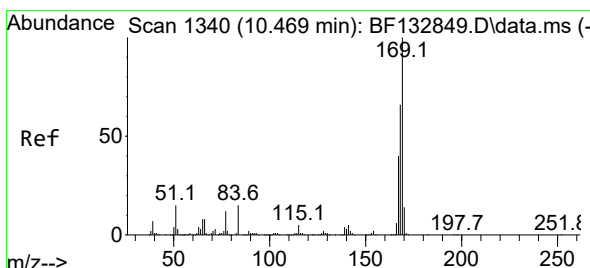
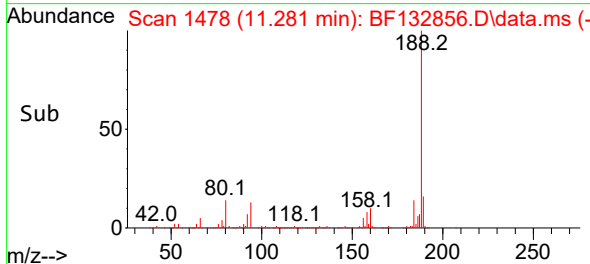
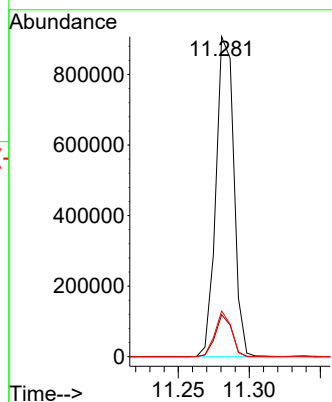
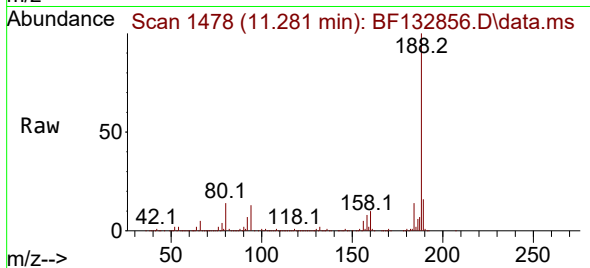
Tgt Ion:188 Resp: 794084

Ion Ratio Lower Upper

188 100

94 13.1 10.8 16.2

80 14.3 10.9 16.3



#66

n-Nitrosodiphenylamine

Concen: 4.047 ng

RT: 10.457 min Scan# 1338

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

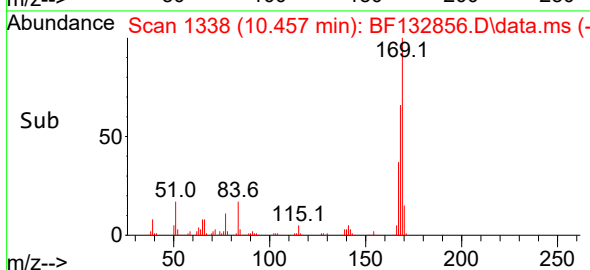
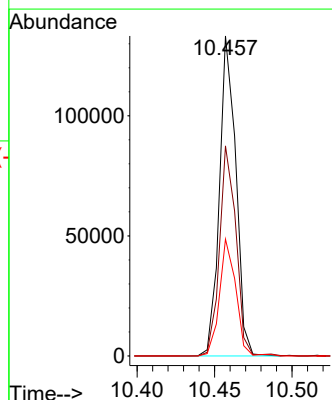
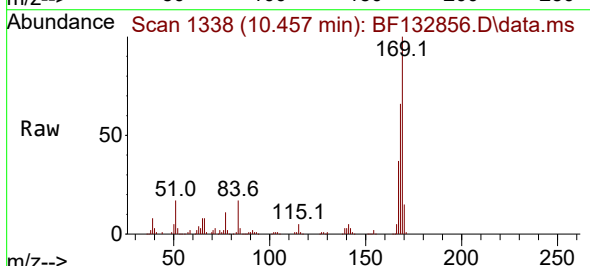
Tgt Ion:169 Resp: 98071

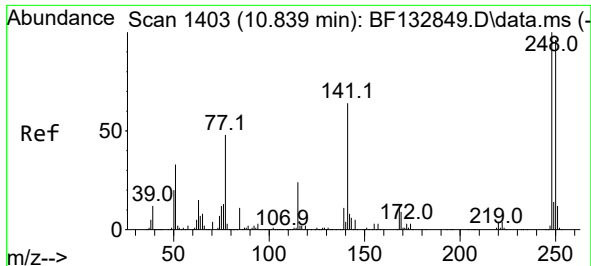
Ion Ratio Lower Upper

169 100

168 65.7 52.9 79.3

167 36.5 31.8 47.6

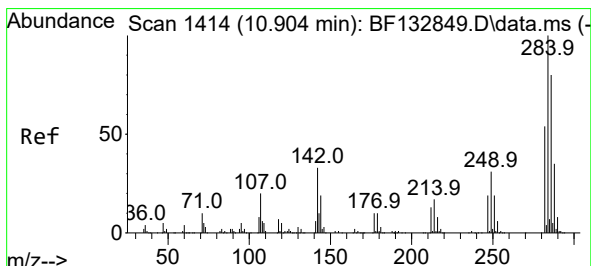
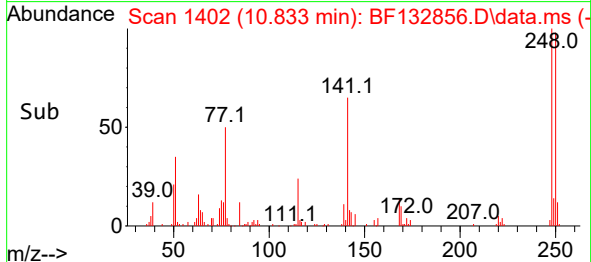
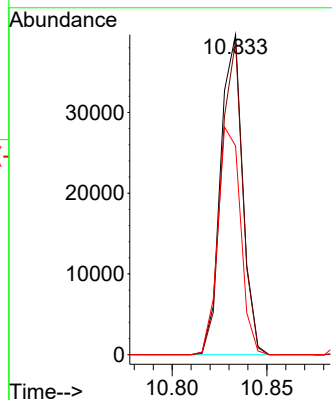
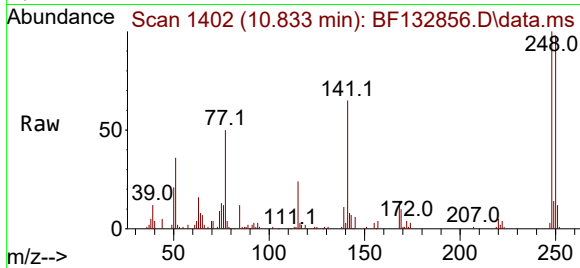




#67  
4-Bromophenyl-phenylether  
Concen: 3.798 ng  
RT: 10.833 min Scan# 1402  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

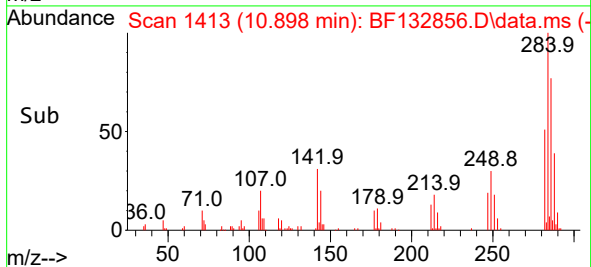
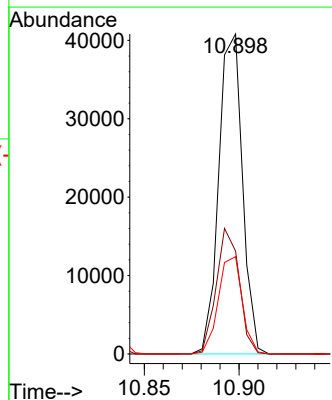
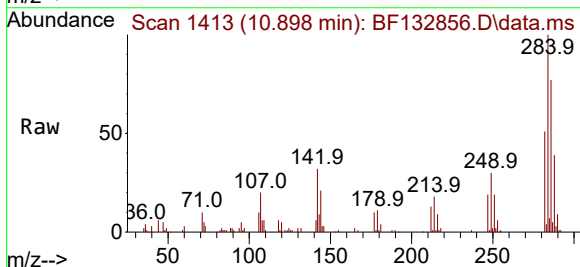
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

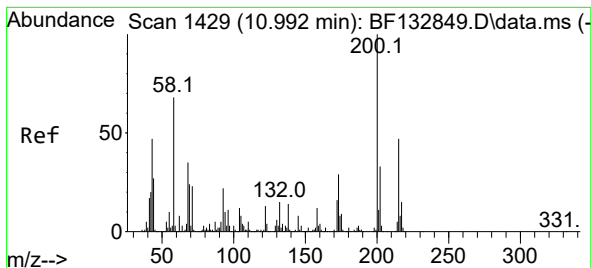
Tgt Ion:248 Resp: 32011  
Ion Ratio Lower Upper  
248 100  
250 98.0 76.9 115.3  
141 65.3 50.9 76.3



#68  
Hexachlorobenzene  
Concen: 4.077 ng  
RT: 10.898 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:284 Resp: 35576  
Ion Ratio Lower Upper  
284 100  
142 32.1 26.2 39.2  
249 30.4 24.4 36.6





#69

Atrazine

Concen: 3.863 ng

RT: 10.981 min Scan# 1427

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

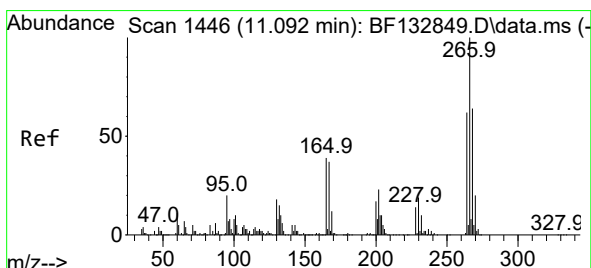
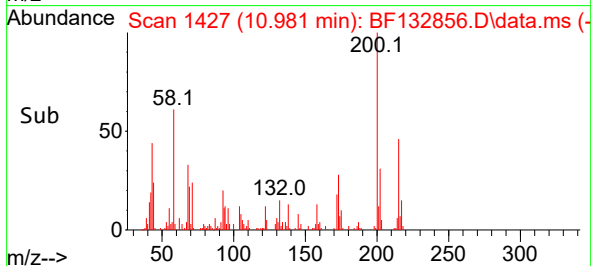
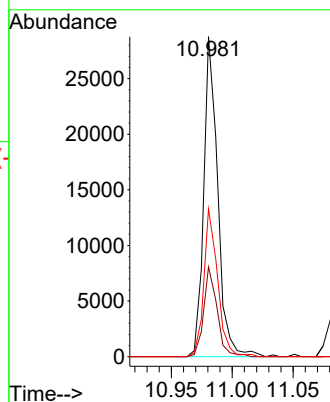
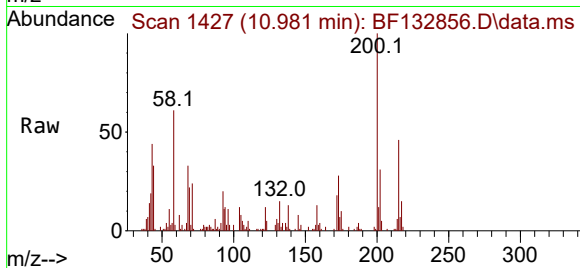
Tgt Ion:200 Resp: 22947

Ion Ratio Lower Upper

200 100

173 28.0 8.7 48.7

215 46.2 26.7 66.7



#70

Pentachlorophenol

Concen: 2.904 ng

RT: 11.086 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

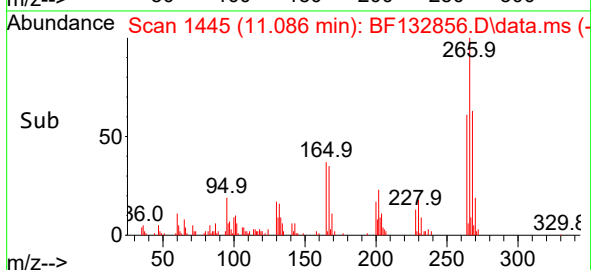
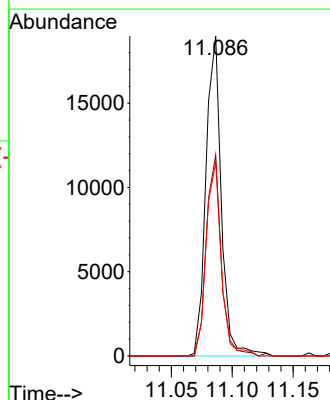
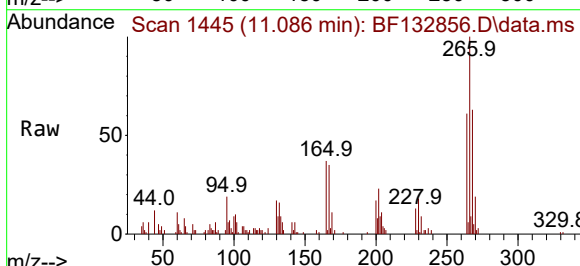
Tgt Ion:266 Resp: 16691

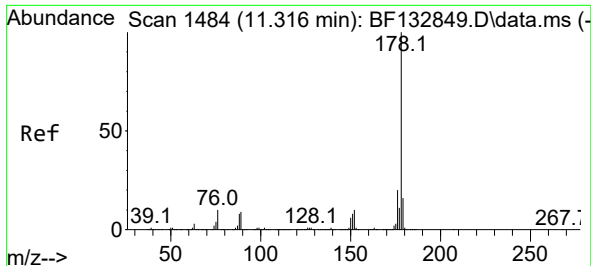
Ion Ratio Lower Upper

266 100

268 62.8 51.2 76.8

264 60.6 49.8 74.8

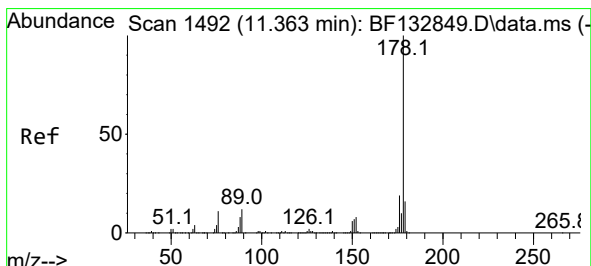
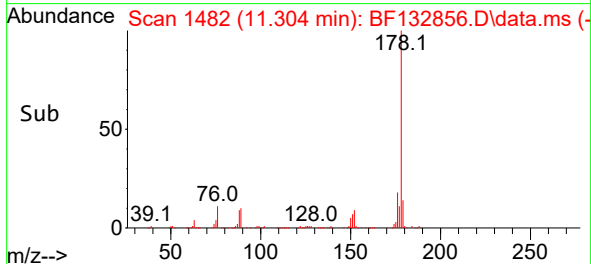
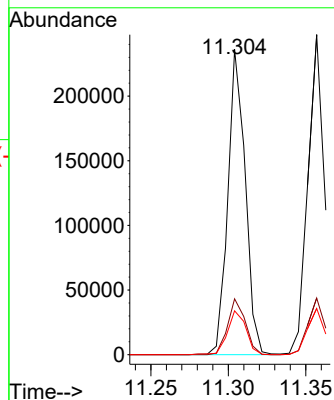
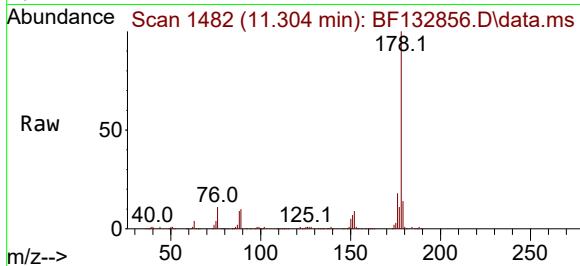




#71  
Phenanthrene  
Concen: 4.231 ng  
RT: 11.304 min Scan# 1482  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

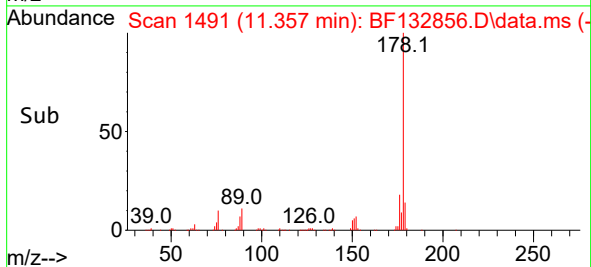
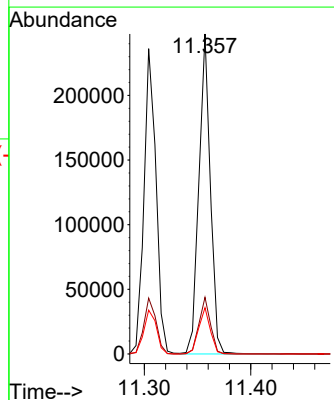
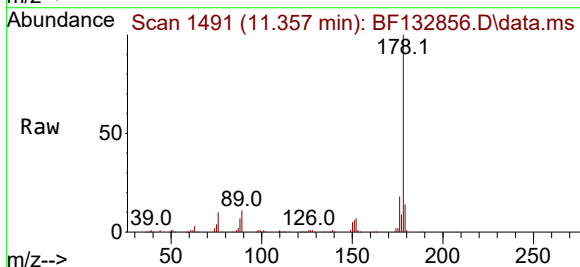
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

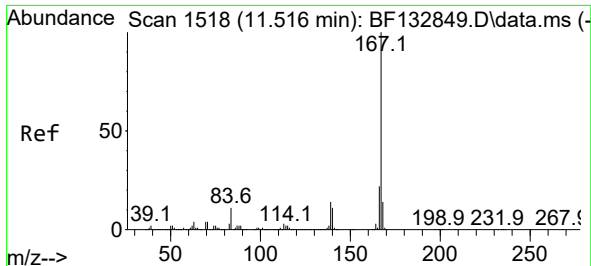
Tgt Ion:178 Resp: 184293  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.8 23.8  
179 14.4 12.6 18.8



#72  
Anthracene  
Concen: 4.174 ng  
RT: 11.357 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:178 Resp: 185849  
Ion Ratio Lower Upper  
178 100  
176 17.7 15.3 22.9  
179 14.4 12.5 18.7

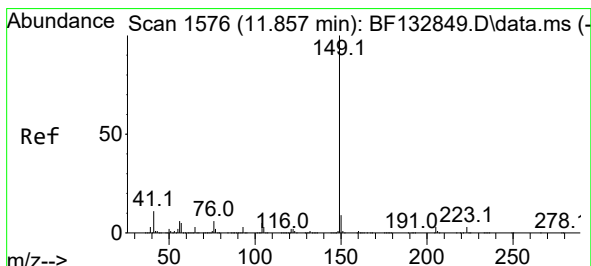
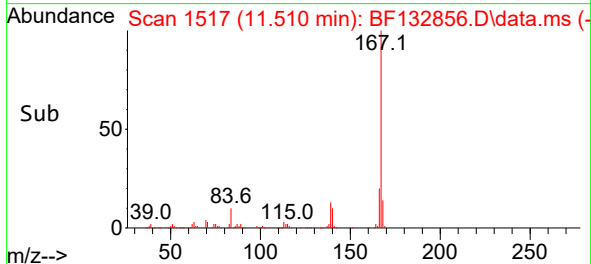
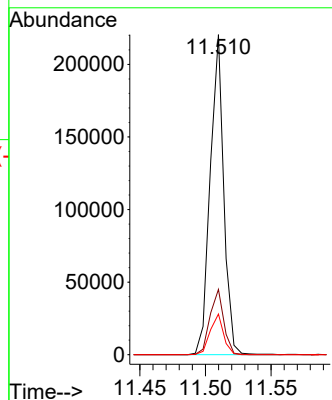
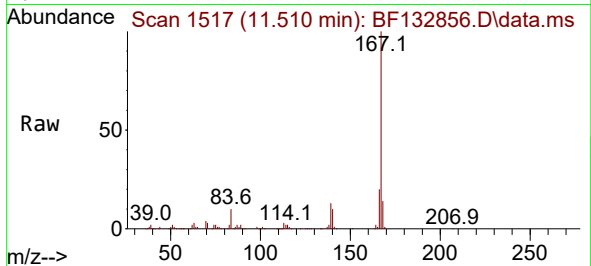




#73  
Carbazole  
Concen: 4.077 ng  
RT: 11.510 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

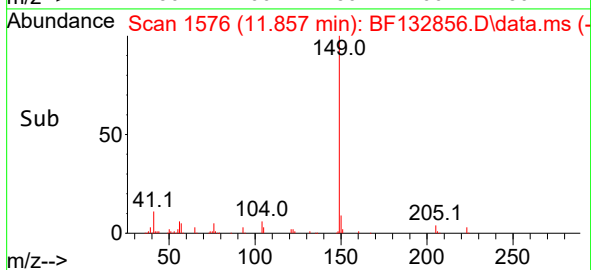
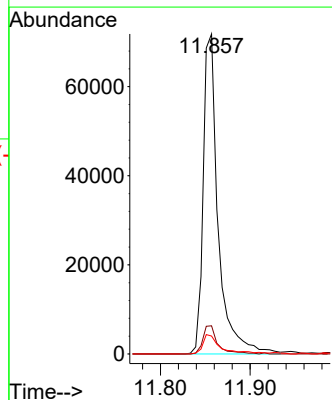
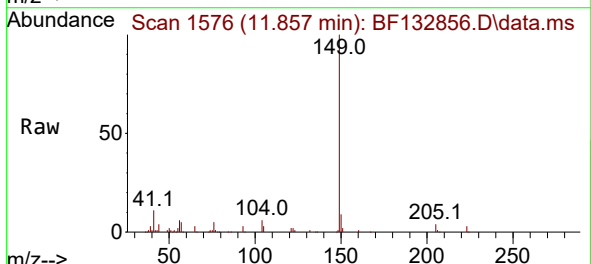
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

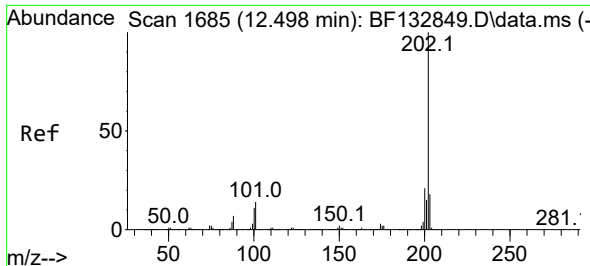
Tgt Ion:167 Resp: 158813  
Ion Ratio Lower Upper  
167 100  
166 20.4 17.4 26.0  
139 12.7 11.1 16.7



#74  
Di-n-butylphthalate  
Concen: 8.045 ng  
RT: 11.857 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:149 Resp: 83104  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.4 11.2  
104 5.6 4.3 6.5

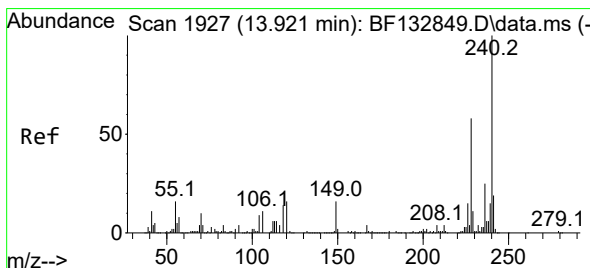
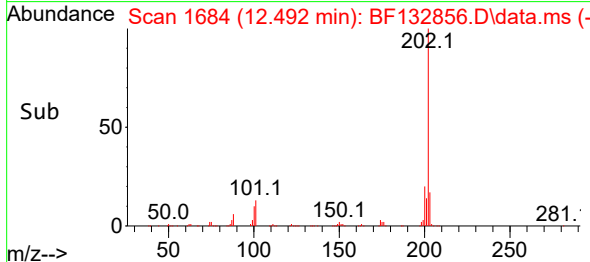
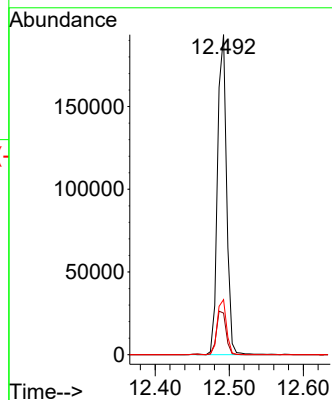
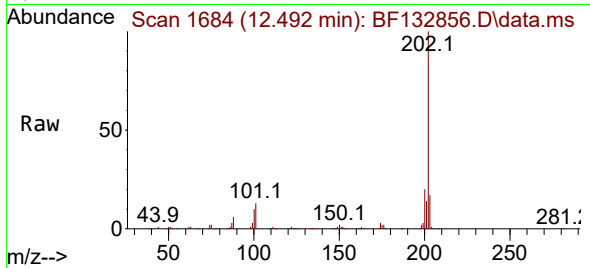




#75  
Fluoranthene  
Concen: 3.754 ng  
RT: 12.492 min Scan# 1684  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

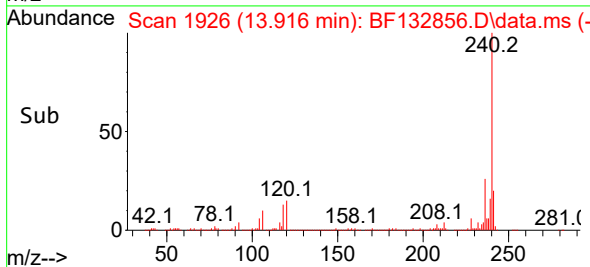
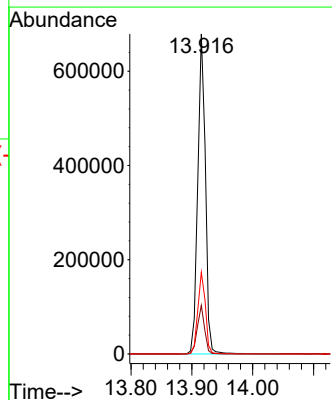
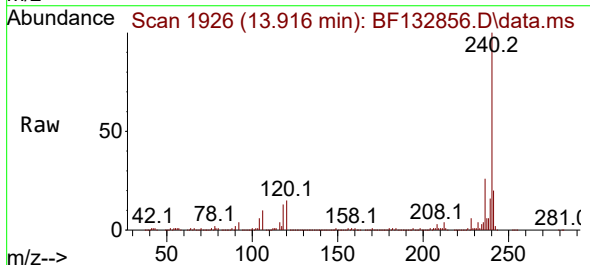
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

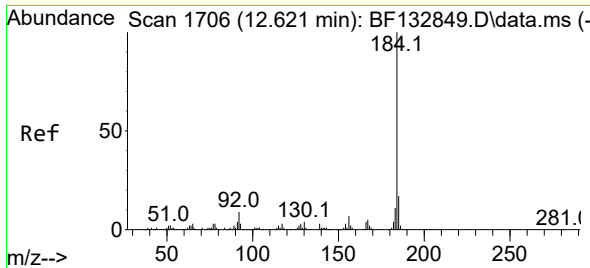
Tgt Ion:202 Resp: 163705  
Ion Ratio Lower Upper  
202 100  
101 13.0 0.0 34.2  
203 17.2 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.916 min Scan# 1926  
Delta R.T. -0.005 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:240 Resp: 593168  
Ion Ratio Lower Upper  
240 100  
120 15.2 12.6 18.8  
236 25.5 20.3 30.5

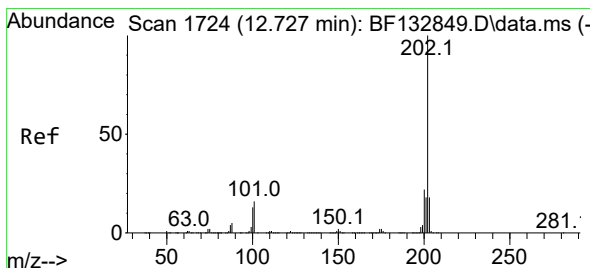
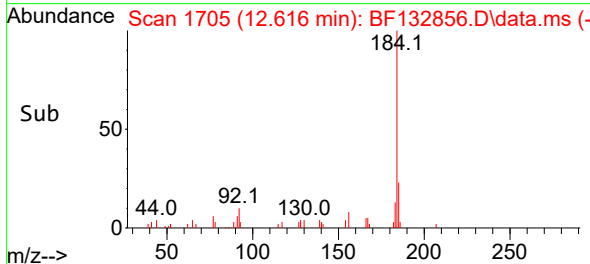
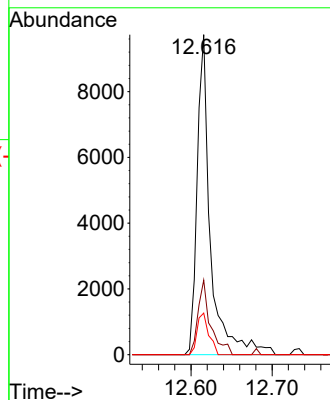
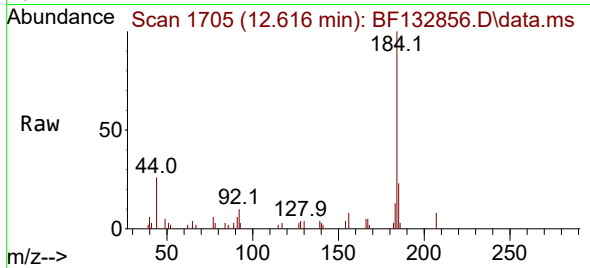




#77  
Benzidine  
Concen: 8.659 ng  
RT: 12.616 min Scan# 1705  
Delta R.T. -0.005 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

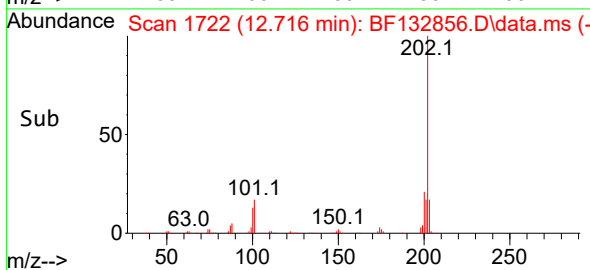
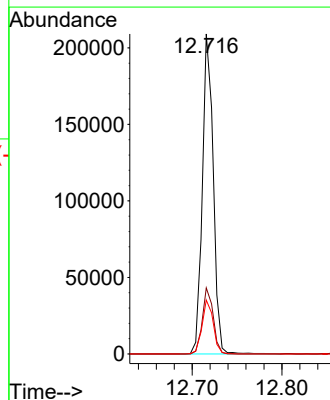
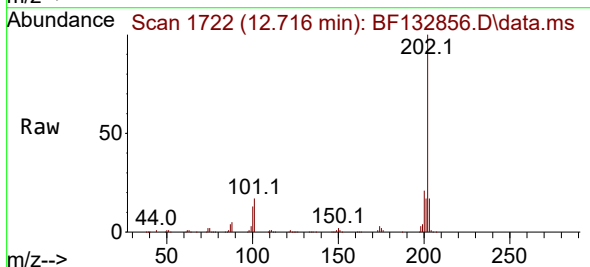
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT1-2023

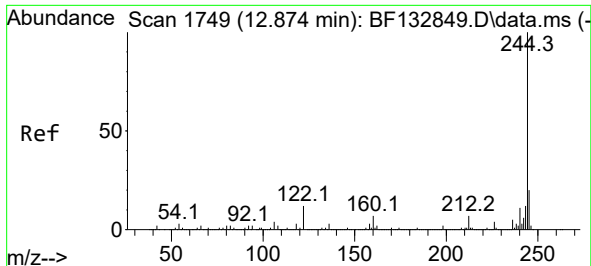
Tgt Ion:184 Resp: 11113  
Ion Ratio Lower Upper  
184 100  
185 23.3 13.2 19.8#  
183 13.0 8.9 13.3



#78  
Pyrene  
Concen: 3.481 ng  
RT: 12.716 min Scan# 1722  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

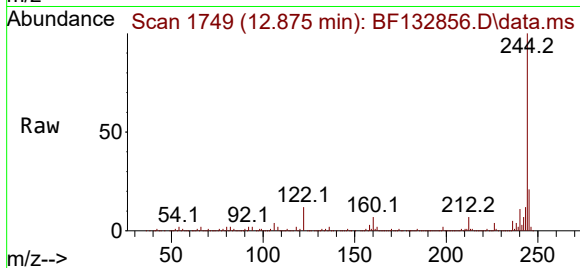
Tgt Ion:202 Resp: 176361  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.4 26.0  
203 16.9 14.2 21.4



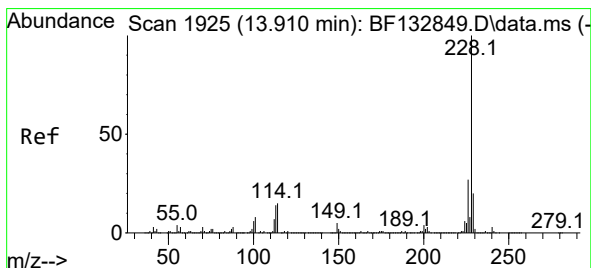
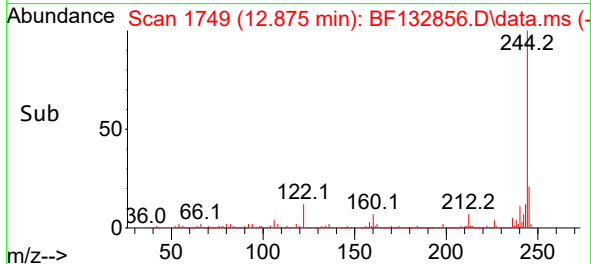
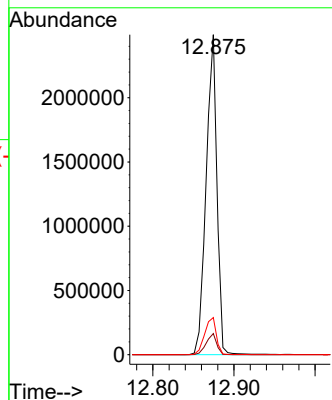


#79  
 Terphenyl-d14  
 Concen: 66.995 ng  
 RT: 12.875 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

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

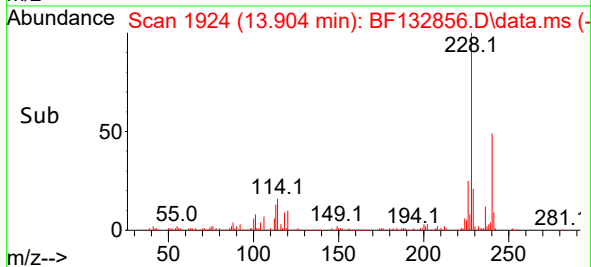
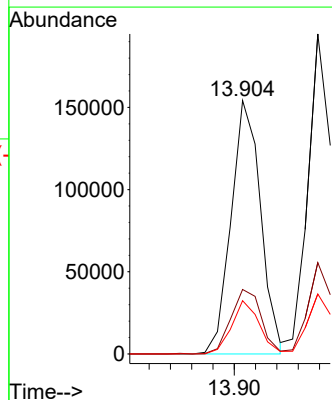
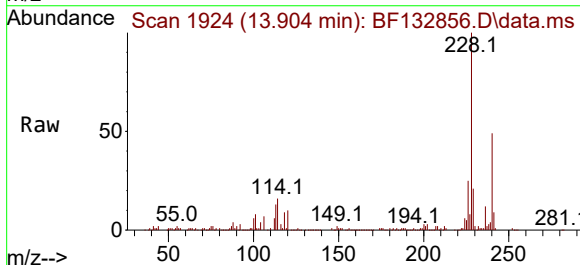


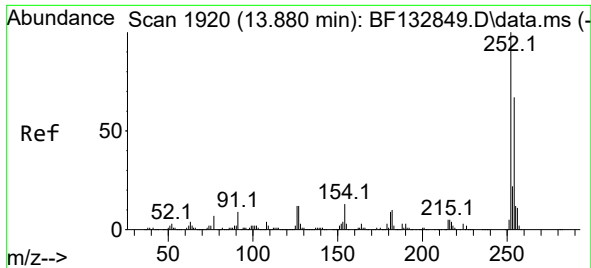
Tgt Ion:244 Resp: 2293536  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 11.6 9.8 14.6



#81  
 Benzo(a)anthracene  
 Concen: 3.644 ng  
 RT: 13.904 min Scan# 1924  
 Delta R.T. -0.006 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

Tgt Ion:228 Resp: 148668  
 Ion Ratio Lower Upper  
 228 100  
 226 25.4 21.9 32.9  
 229 21.0 16.1 24.1

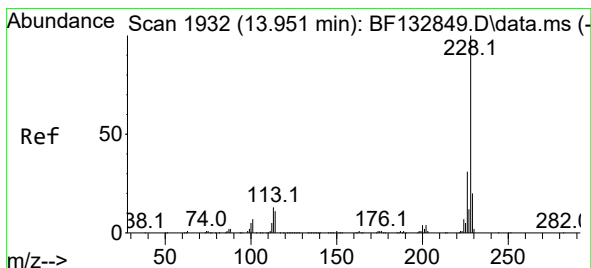
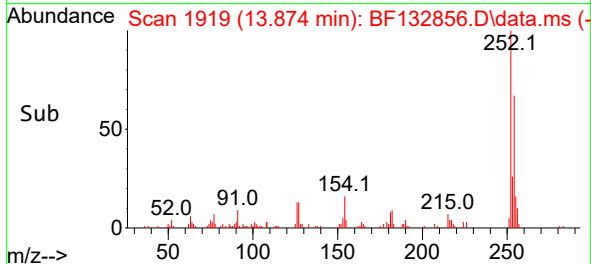
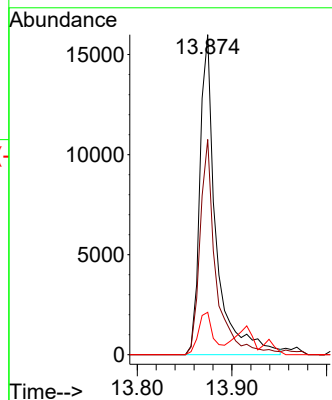
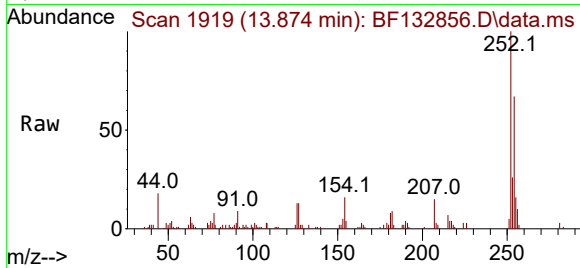




#82  
3,3'-Dichlorobenzidine  
Concen: 7.201 ng  
RT: 13.874 min Scan# 1919  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

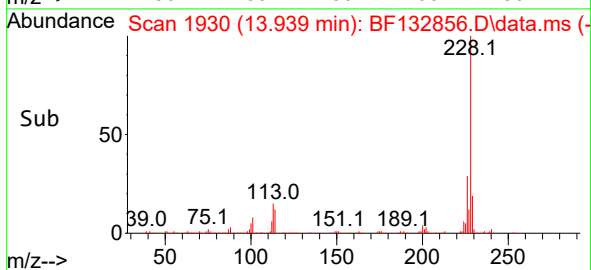
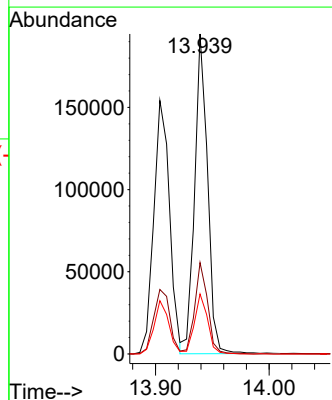
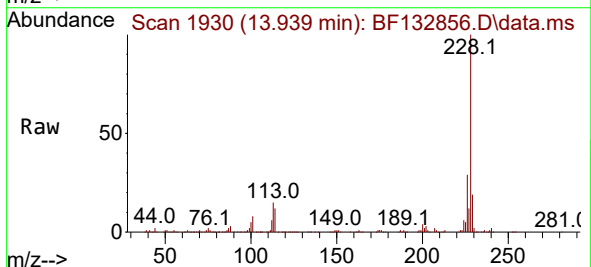
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

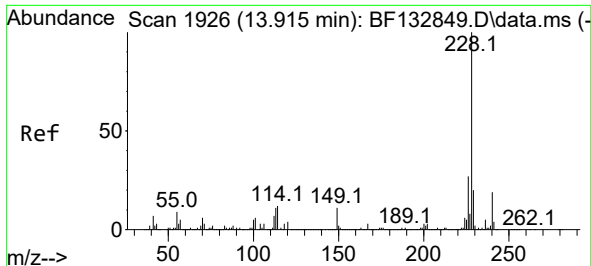
Tgt Ion:252 Resp: 19124  
Ion Ratio Lower Upper  
252 100  
254 67.3 53.8 80.6  
126 13.3 9.4 14.0



#83  
Chrysene  
Concen: 3.839 ng  
RT: 13.939 min Scan# 1930  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

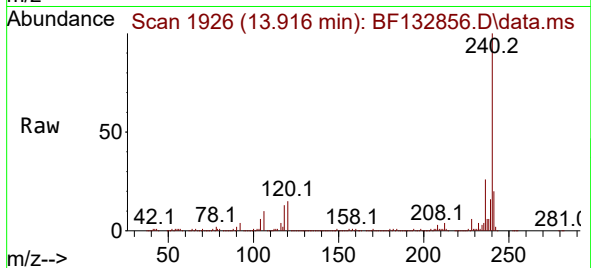
Tgt Ion:228 Resp: 154170  
Ion Ratio Lower Upper  
228 100  
226 28.5 24.3 36.5  
229 18.8 15.8 23.6



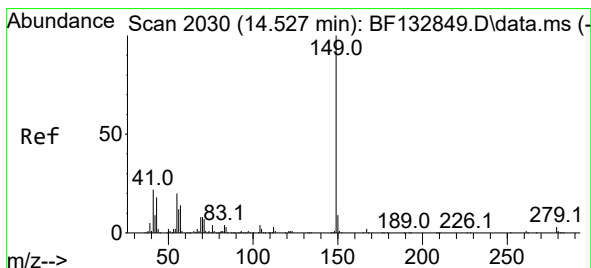
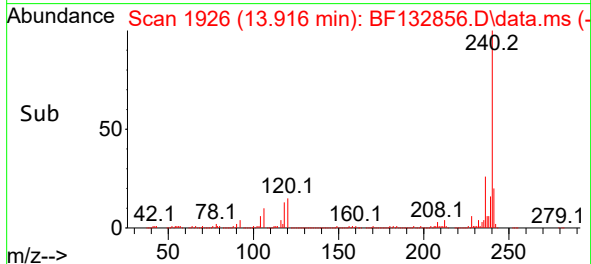
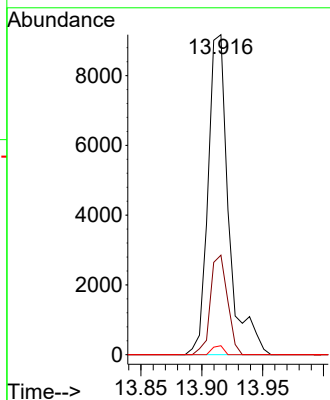


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.404 ng  
RT: 13.916 min Scan# 1926  
Delta R.T. 0.001 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

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

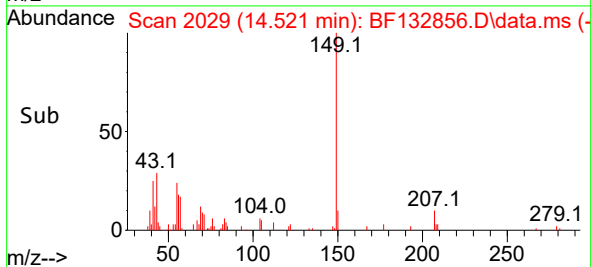
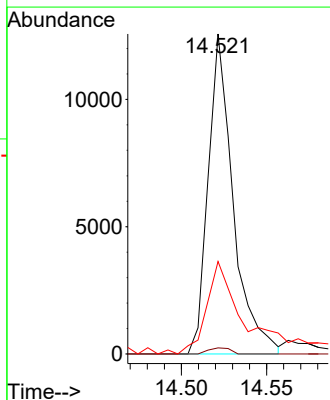
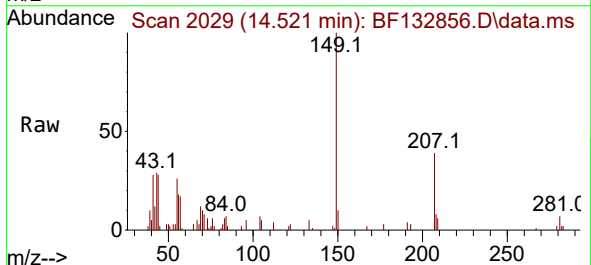


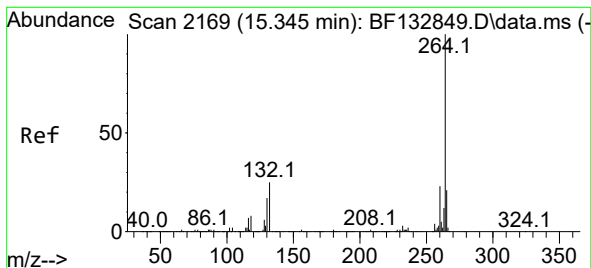
Tgt Ion:149 Resp: 10824  
Ion Ratio Lower Upper  
149 100  
167 31.1 20.4 30.6#  
279 2.8 2.3 3.5



#85  
Di-n-octyl phthalate  
Concen: 8.497 ng  
RT: 14.521 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:149 Resp: 12830  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.1 1.7#  
43 47.3 21.4 32.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 2169

Delta R.T. 0.000 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

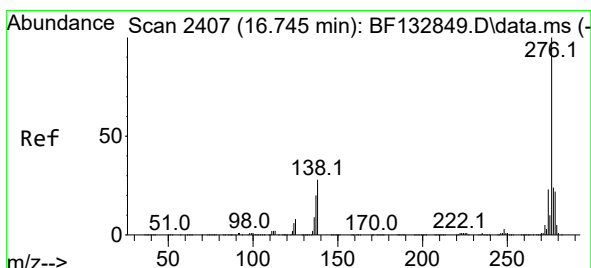
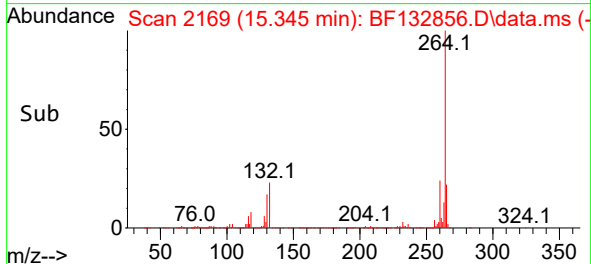
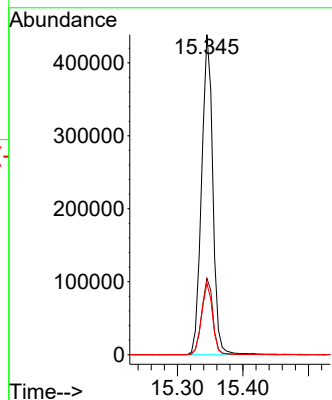
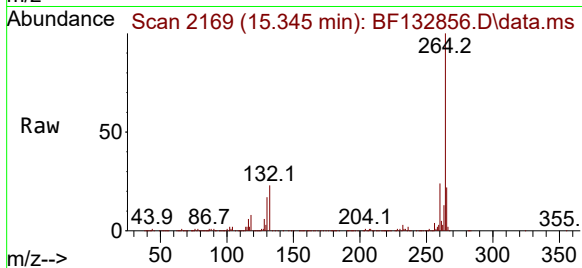
Tgt Ion:264 Resp: 523236

Ion Ratio Lower Upper

264 100

260 23.8 18.2 27.4

265 22.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.302 ng

RT: 16.733 min Scan# 2405

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

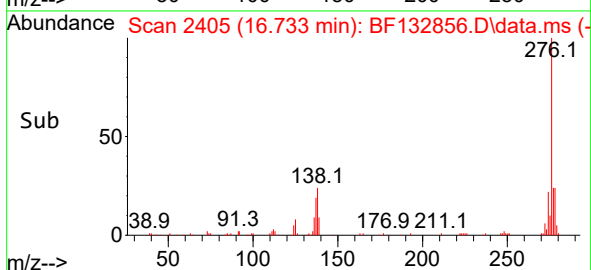
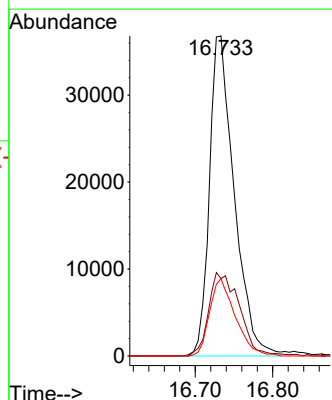
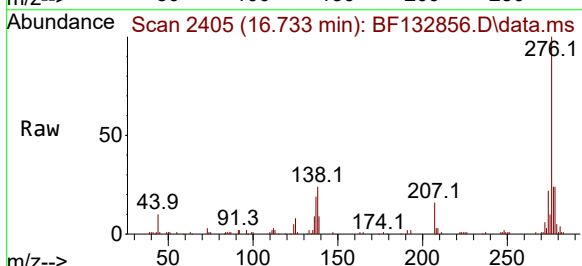
Tgt Ion:276 Resp: 81746

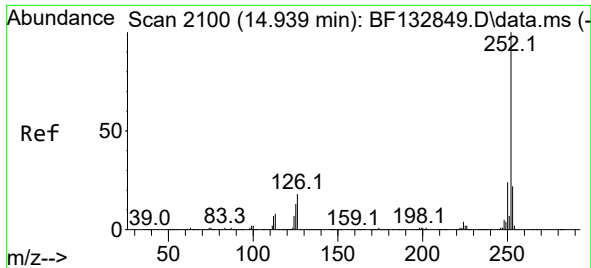
Ion Ratio Lower Upper

276 100

138 32.4 27.0 40.6

277 25.0 20.1 30.1

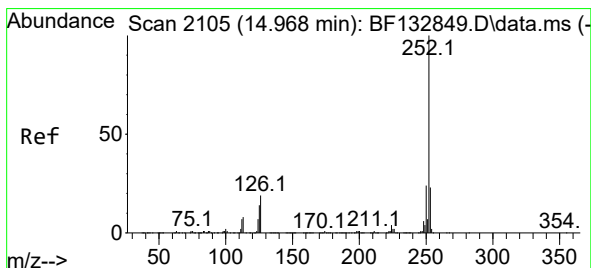
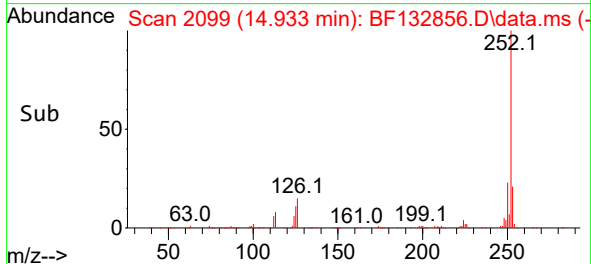
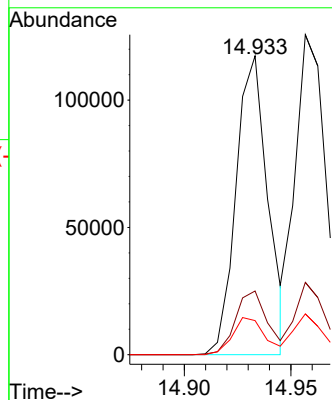
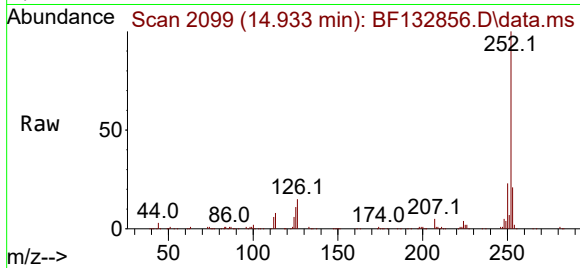




#88  
Benzo(b)fluoranthene  
Concen: 3.617 ng  
RT: 14.933 min Scan# 2100  
Delta R.T. -0.006 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

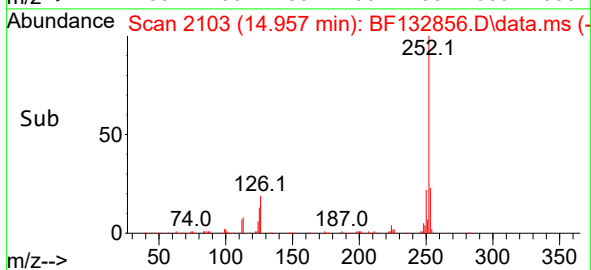
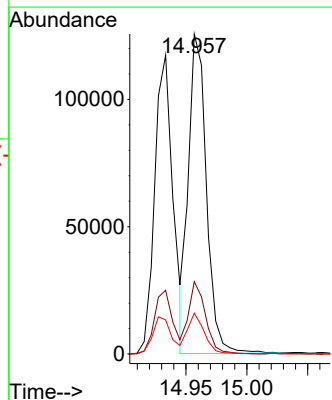
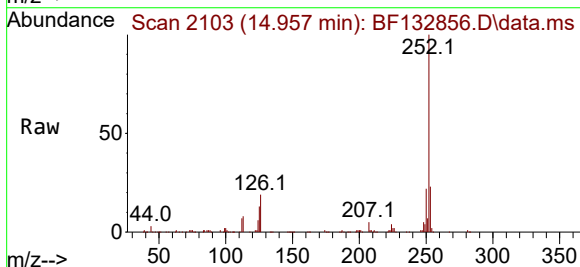
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2023

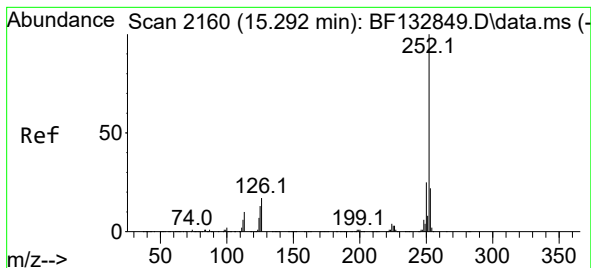
Tgt Ion:252 Resp: 122133  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.8 26.6  
125 11.4 10.2 15.2



#89  
Benzo(k)fluoranthene  
Concen: 3.719 ng  
RT: 14.957 min Scan# 2103  
Delta R.T. -0.012 min  
Lab File: BF132856.D  
Acq: 11 Apr 2023 18:38

Tgt Ion:252 Resp: 128989  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.1 27.1  
125 12.8 10.5 15.7





#90

Benzo(a)pyrene

Concen: 3.143 ng

RT: 15.280 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2023

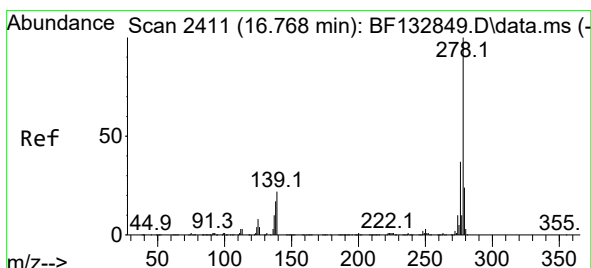
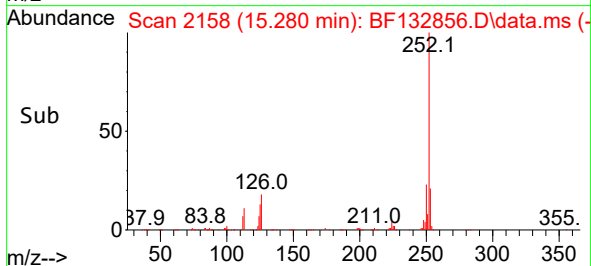
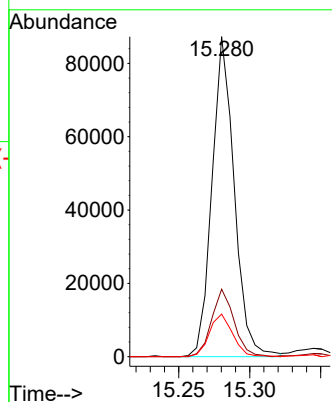
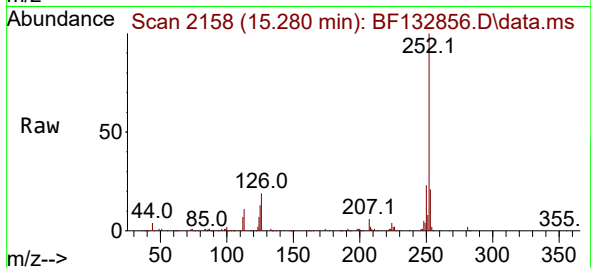
Tgt Ion:252 Resp: 95192

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

125 13.3 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 6.078 ng

RT: 16.751 min Scan# 2408

Delta R.T. -0.017 min

Lab File: BF132856.D

Acq: 11 Apr 2023 18:38

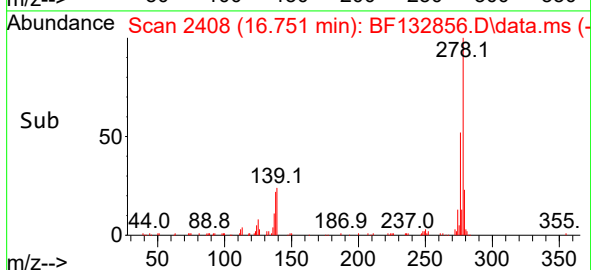
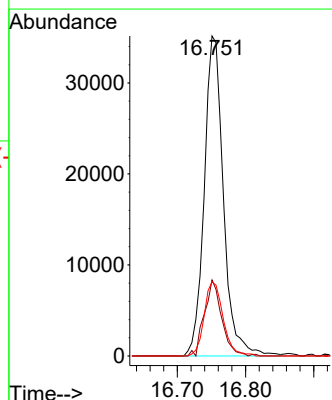
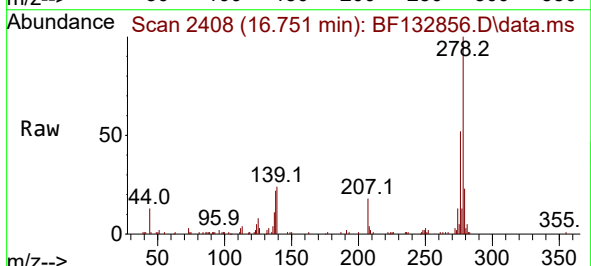
Tgt Ion:278 Resp: 68847

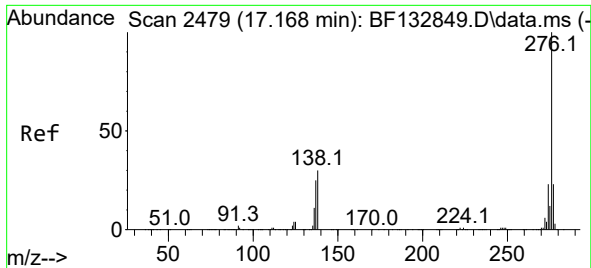
Ion Ratio Lower Upper

278 100

139 23.7 17.4 26.0

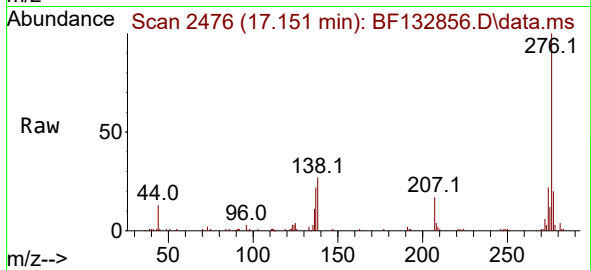
279 23.2 19.0 28.6





#92  
 Benzo(g,h,i)perylene  
 Concen: 6.256 ng  
 RT: 17.151 min Scan# 24  
 Delta R.T. -0.017 min  
 Lab File: BF132856.D  
 Acq: 11 Apr 2023 18:38

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



Tgt Ion:276 Resp: 68369  
 Ion Ratio Lower Upper  
 276 100  
 277 20.0 18.6 28.0  
 138 27.3 23.8 35.6

