

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111822\  
 Data File : BF131293.D  
 Acq On : 18 Nov 2022 10:54  
 Operator : CG\JU  
 Sample : N4955-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Nov 21 01:05:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 00:46:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.969  | 152  | 78235    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.263  | 136  | 278174   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.027 | 164  | 163427   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.522 | 188  | 307701   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.174 | 240  | 206828   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.715 | 264  | 147640   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.575  | 112  | 456832   | 106.877 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.587  | 99   | 572545   | 105.661 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.534  | 82   | 403189   | 77.424  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.816 | 330  | 156923   | 107.864 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.345  | 172  | 838688   | 73.296  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.116 | 244  | 979001   | 70.754  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.775  | 88   | 16318    | 8.257   | ng    | 96       |
| 3) Pyridine                   | 3.569  | 79   | 39224    | 7.123   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.493  | 42   | 26113    | 7.643   | ng    | 91       |
| 6) Aniline                    | 6.628  | 93   | 60279    | 8.888   | ng    | 99       |
| 8) 2-Chlorophenol             | 6.751  | 128  | 40776    | 8.618   | ng    | 96       |
| 9) Benzaldehyde               | 6.522  | 77   | 37240    | 9.467   | ng    | 92       |
| 10) Phenol                    | 6.592  | 94   | 48182    | 8.034   | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.698  | 93   | 41562    | 8.610   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.910  | 146  | 47732    | 8.480   | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.987  | 146  | 48125    | 8.409   | ng    | 93       |
| 14) 1,2-Dichlorobenzene       | 7.139  | 146  | 44433    | 8.341   | ng    | 100      |
| 15) Benzyl Alcohol            | 7.128  | 79   | 10443    | 2.263   | ng    | # 52     |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239  | 45   | 79385    | 8.685   | ng    | 99       |
| 17) 2-Methylphenol            | 7.210  | 107  | 33345    | 8.061   | ng    | 96       |
| 18) Hexachloroethane          | 7.486  | 117  | 16983    | 8.346   | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 31998    | 8.210   | ng    | # 95     |
| 20) 3+4-Methylphenols         | 7.363  | 107  | 44011    | 8.331   | ng    | 99       |
| 22) Acetophenone              | 7.375  | 105  | 64563    | 8.783   | ng    | 97       |
| 24) Nitrobenzene              | 7.551  | 77   | 46343    | 8.792   | ng    | 99       |
| 25) Isophorone                | 7.786  | 82   | 86304    | 8.680   | ng    | 99       |
| 26) 2-Nitrophenol             | 7.869  | 139  | 12149    | 7.277   | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.898  | 122  | 37294    | 9.541   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.998  | 93   | 52242    | 9.407   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.104  | 162  | 34102    | 8.147   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.198  | 180  | 42436    | 8.165   | ng    | 98       |
| 31) Naphthalene               | 8.281  | 128  | 124692   | 8.266   | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 7753     | 3.316   | ng    | 91       |
| 33) 4-Chloroaniline           | 8.328  | 127  | 50582    | 8.633   | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.398  | 225  | 28143    | 8.194   | ng    | 96       |
| 35) Caprolactam               | 8.657  | 113  | 9697     | 8.320   | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.798  | 107  | 36160    | 8.014   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.975  | 142  | 85922    | 8.452   | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.075  | 142  | 82362    | 8.361   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.139  | 216  | 47095    | 8.807   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.128  | 237  | 19021    | 8.223   | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 9.251  | 196  | 18705    | 5.883   | ng    | 100      |

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 Acq On : 18 Nov 2022 10:54  
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 Sample : N4955-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 5 Sample Multiplier: 1

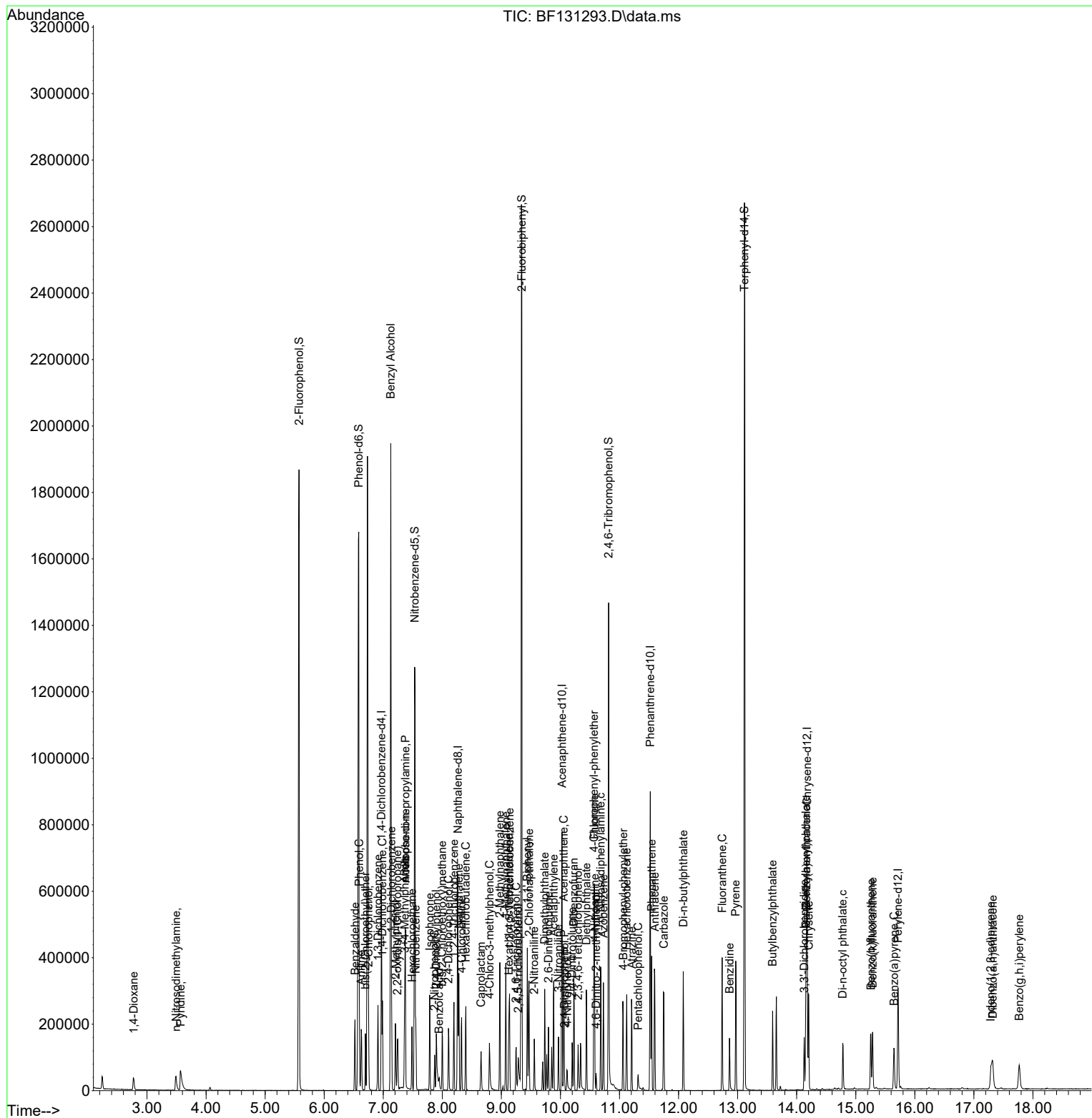
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

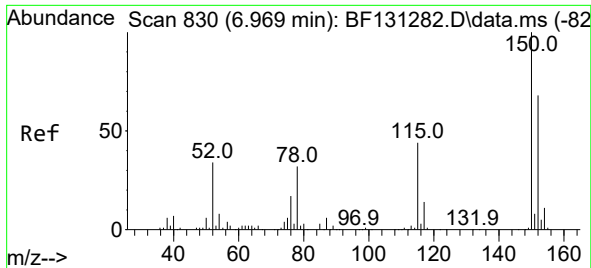
Quant Time: Nov 21 01:05:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 00:46:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.286  | 196  | 29780    | 8.597  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.439  | 154  | 111292   | 8.819  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.469  | 162  | 87026    | 8.589  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.557  | 65   | 19305    | 6.893  | ng    | 96       |
| 49) Acenaphthylene            | 9.886  | 152  | 130439   | 8.428  | ng    | 99       |
| 50) Dimethylphthalate         | 9.733  | 163  | 96950    | 8.192  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.798  | 165  | 15434    | 7.940  | ng    | 92       |
| 52) Acenaphthene              | 10.057 | 154  | 79014    | 8.182  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.969  | 138  | 16147    | 7.849  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.069 | 184  | 2663     | 3.889  | ng    | # 8      |
| 55) Dibenzofuran              | 10.227 | 168  | 119906   | 8.562  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.116 | 139  | 8724     | 5.635  | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 10.198 | 165  | 17371    | 7.390  | ng    | # 98     |
| 58) Fluorene                  | 10.575 | 166  | 94637    | 8.510  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.298 | 232  | 17373    | 5.921  | ng    | 94       |
| 60) Diethylphthalate          | 10.439 | 149  | 95523    | 8.461  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.569 | 204  | 49963    | 8.862  | ng    | 92       |
| 62) 4-Nitroaniline            | 10.580 | 138  | 16042    | 7.675  | ng    | 93       |
| 63) Azobenzene                | 10.727 | 77   | 96759    | 8.252  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.604 | 198  | 4232     | 3.967  | ng    | # 64     |
| 66) n-Nitrosodiphenylamine    | 10.680 | 169  | 81127    | 8.182  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.063 | 248  | 30057    | 8.141  | ng    | 90       |
| 68) Hexachlorobenzene         | 11.122 | 284  | 32927    | 8.220  | ng    | 95       |
| 69) Atrazine                  | 11.210 | 200  | 28626    | 9.049  | ng    | 98       |
| 70) Pentachlorophenol         | 11.316 | 266  | 7502     | 3.505  | ng    | # 90     |
| 71) Phenanthrene              | 11.545 | 178  | 139299   | 8.187  | ng    | 98       |
| 72) Anthracene                | 11.598 | 178  | 142174   | 8.545  | ng    | 99       |
| 73) Carbazole                 | 11.751 | 167  | 117180   | 8.378  | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.080 | 149  | 142959   | 8.465  | ng    | 99       |
| 75) Fluoranthene              | 12.739 | 202  | 145952   | 8.266  | ng    | 99       |
| 77) Benzidine                 | 12.863 | 184  | 57138    | 12.214 | ng    | 97       |
| 78) Pyrene                    | 12.968 | 202  | 148855   | 7.480  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.592 | 149  | 43019    | 7.147  | ng    | 92       |
| 81) Benzo(a)anthracene        | 14.163 | 228  | 115766   | 7.939  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.127 | 252  | 31845    | 8.226  | ng    | 99       |
| 83) Chrysene                  | 14.204 | 228  | 108234   | 7.761  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.157 | 149  | 55566    | 7.930  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.780 | 149  | 65705    | 6.606  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.286 | 276  | 72990    | 6.519  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.257 | 252  | 81765    | 8.229  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.286 | 252  | 82874    | 8.160  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.651 | 252  | 65856    | 8.072  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.321 | 278  | 64836    | 7.036  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.768 | 276  | 64705    | 6.946  | ng    | 96       |

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

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QLast Update : Mon Nov 21 00:46:51 2022  
Response via : Initial Calibration

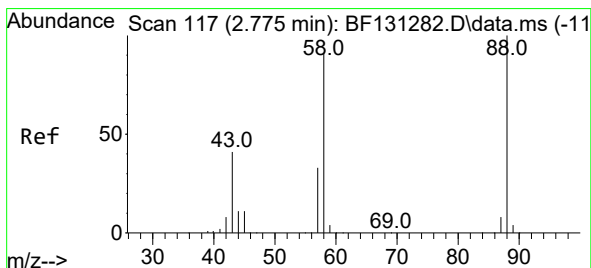
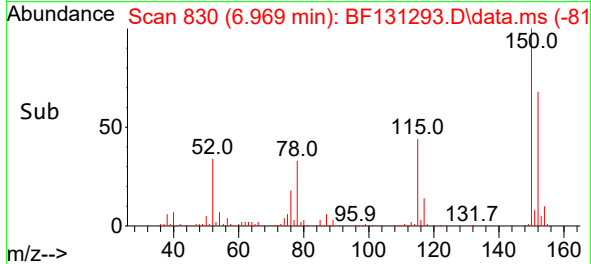
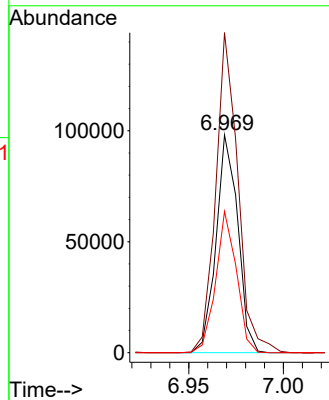
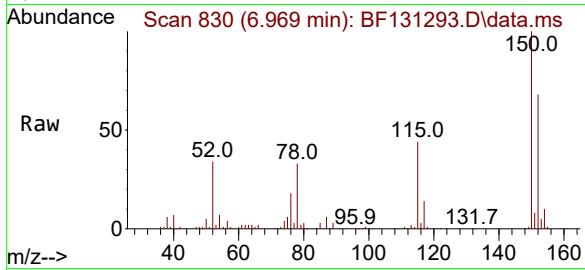




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.969 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

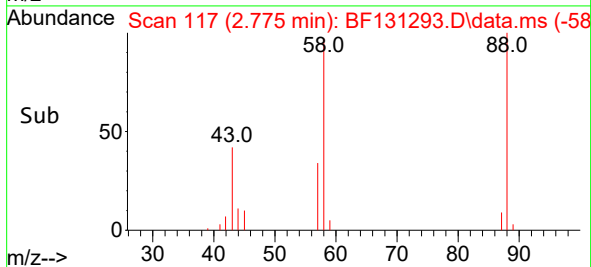
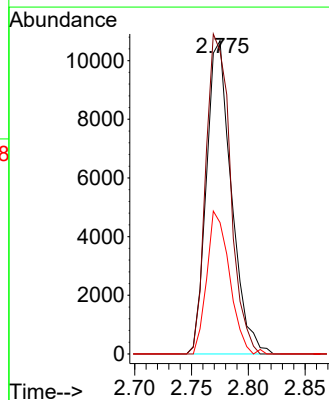
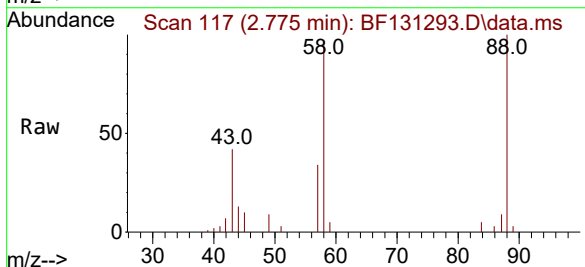
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

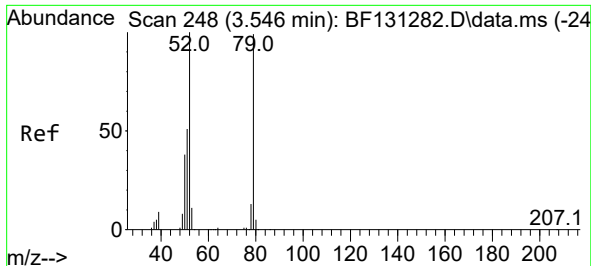
Tgt Ion:152 Resp: 78235  
 Ion Ratio Lower Upper  
 152 100  
 150 146.9 117.8 176.6  
 115 64.8 52.2 78.4



#2  
 1,4-Dioxane  
 Concen: 8.257 ng  
 RT: 2.775 min Scan# 117  
 Delta R.T. -0.000 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

Tgt Ion: 88 Resp: 16318  
 Ion Ratio Lower Upper  
 88 100  
 58 100.2 76.0 114.0  
 43 41.5 32.4 48.6





#3

Pyridine

Concen: 7.123 ng

RT: 3.569 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF131293.D

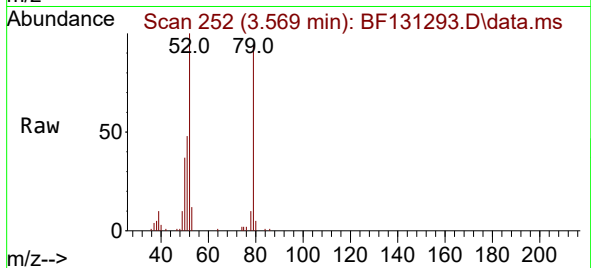
Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



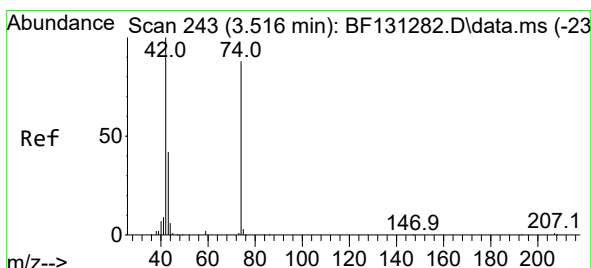
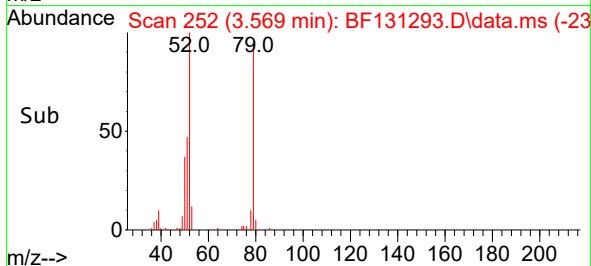
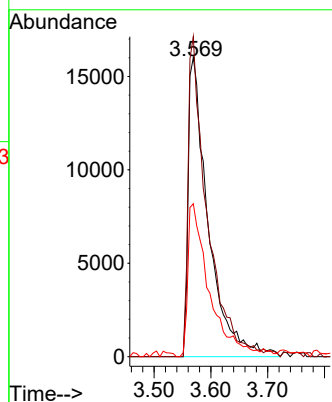
Tgt Ion: 79 Resp: 39224

Ion Ratio Lower Upper

79 100

52 106.9 80.7 121.1

51 51.1 41.6 62.4



#4

n-Nitrosodimethylamine

Concen: 7.643 ng

RT: 3.493 min Scan# 239

Delta R.T. -0.024 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

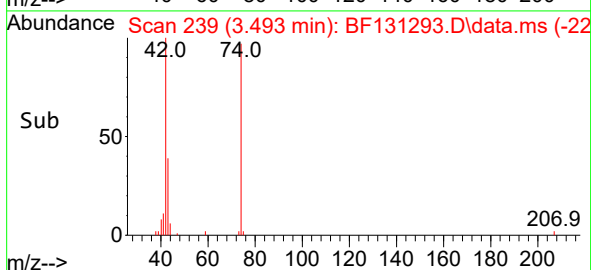
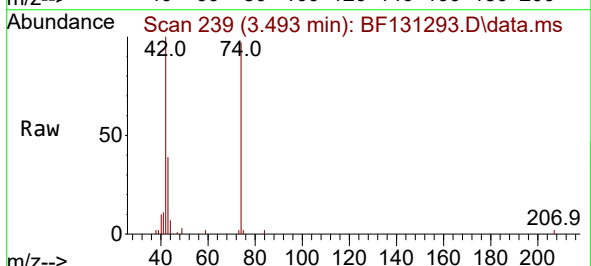
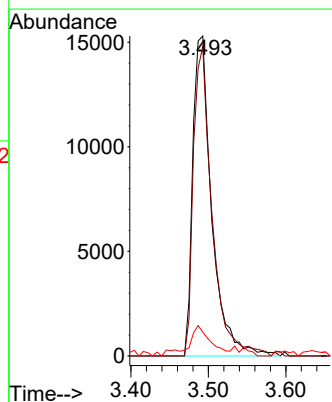
Tgt Ion: 42 Resp: 26113

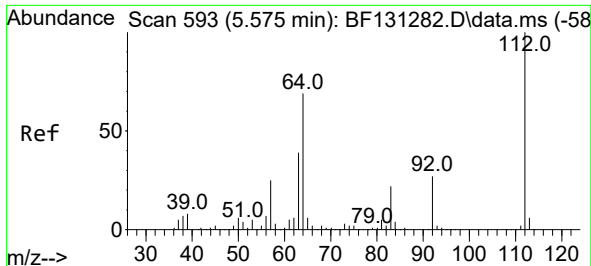
Ion Ratio Lower Upper

42 100

74 96.7 70.3 105.5

44 7.5 5.4 8.2

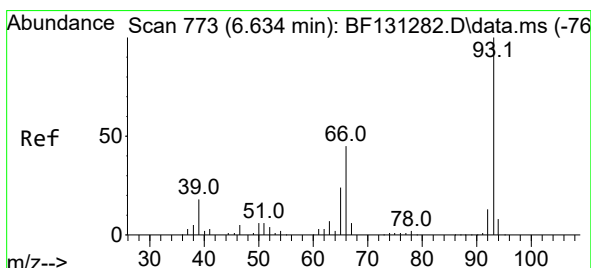
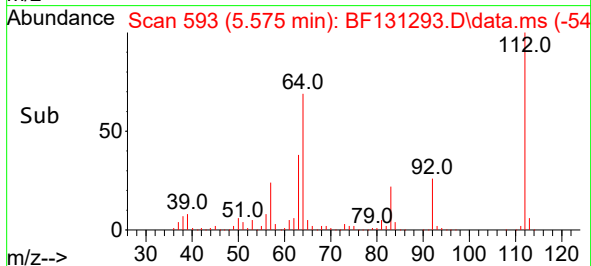
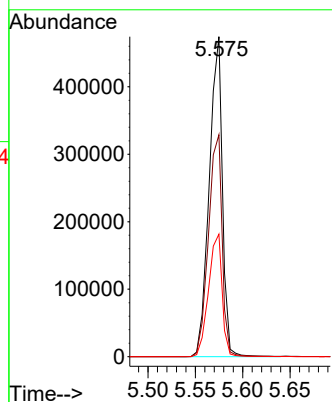
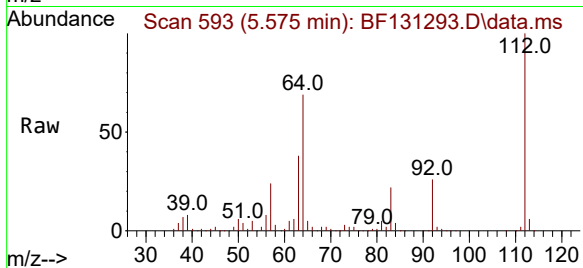




#5  
2-Fluorophenol  
Concen: 106.877 ng  
RT: 5.575 min Scan# 593  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

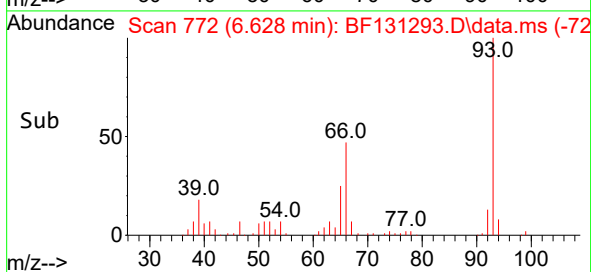
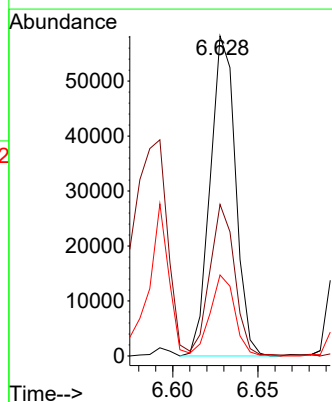
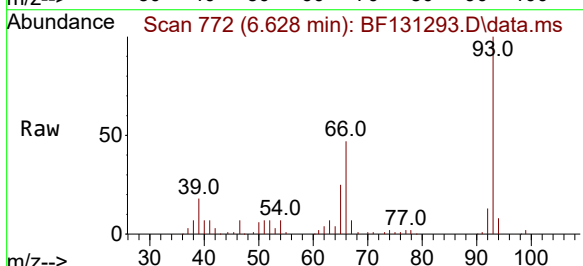
Instrument :  
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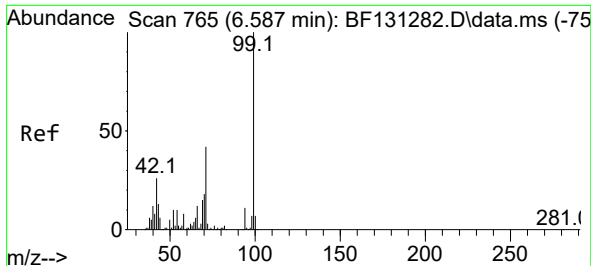
Tgt Ion:112 Resp: 456832  
Ion Ratio Lower Upper  
112 100  
64 69.4 55.5 83.3  
63 38.3 31.0 46.6



#6  
Aniline  
Concen: 8.888 ng  
RT: 6.628 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 93 Resp: 60279  
Ion Ratio Lower Upper  
93 100  
66 47.4 37.7 56.5  
65 25.3 19.5 29.3

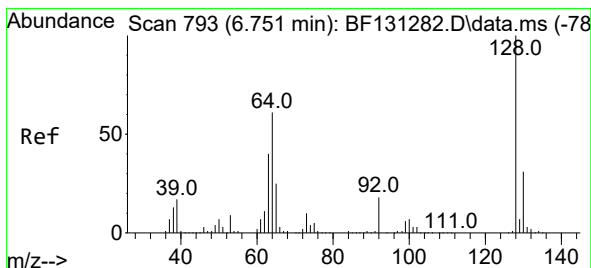
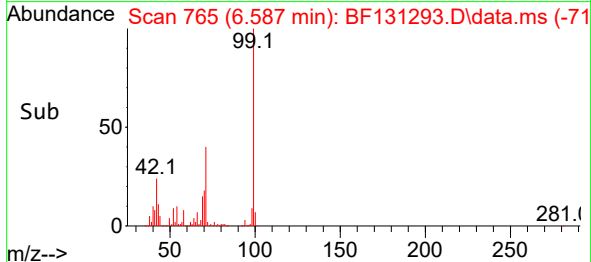
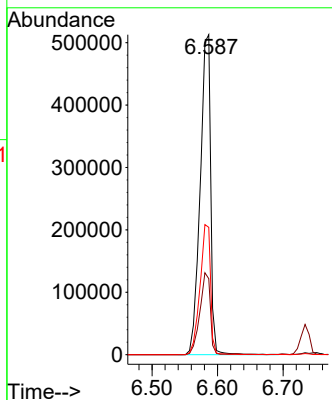
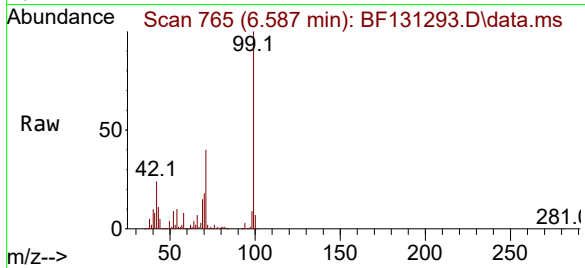




#7  
Phenol-d6  
Concen: 105.661 ng  
RT: 6.587 min Scan# 765  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

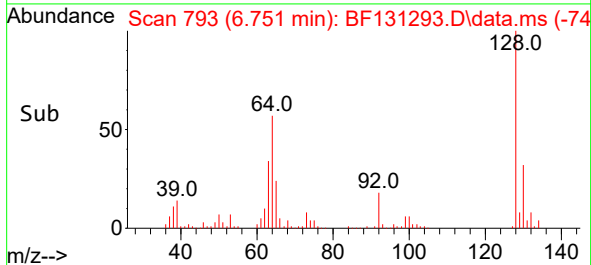
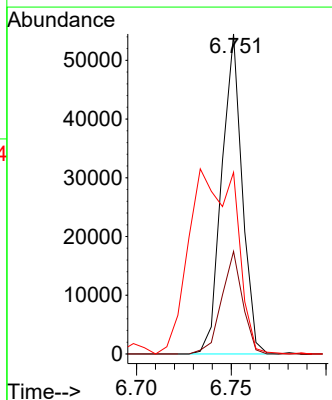
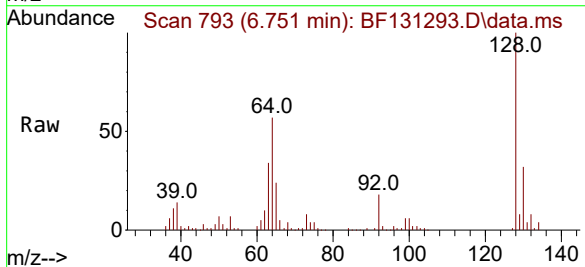
Instrument :  
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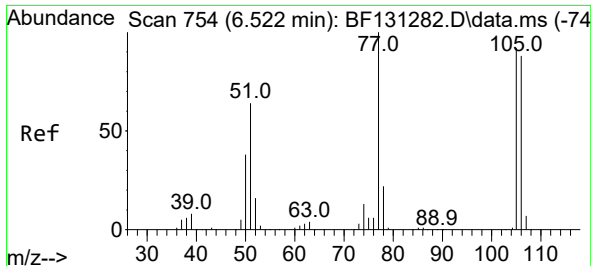
Tgt Ion: 99 Resp: 572545  
Ion Ratio Lower Upper  
99 100  
42 23.7 21.2 31.8  
71 39.8 33.8 50.6



#8  
2-Chlorophenol  
Concen: 8.618 ng  
RT: 6.751 min Scan# 793  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 128 Resp: 40776  
Ion Ratio Lower Upper  
128 100  
130 32.1 11.4 51.4  
64 56.7 40.9 80.9





#9

Benzaldehyde

Concen: 9.467 ng

RT: 6.522 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF131293.D

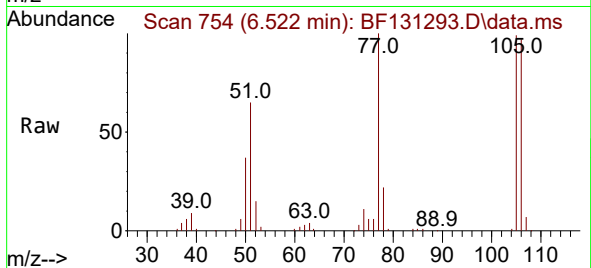
Acq: 18 Nov 2022 10:54

Instrument :

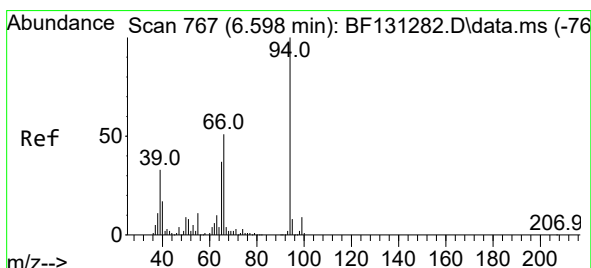
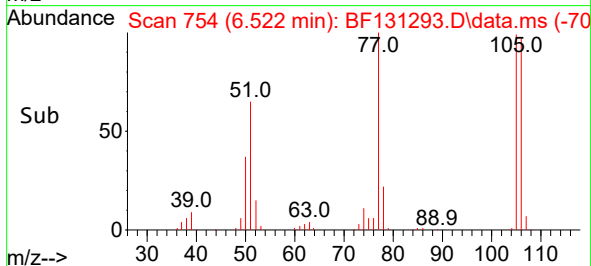
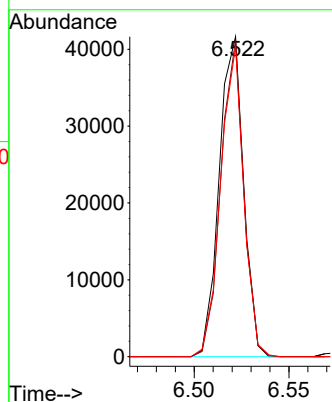
BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 37240 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 99.0  | 72.5  | 112.5 |
| 106      | 97.0  | 67.7  | 107.7 |



#10

Phenol

Concen: 8.034 ng

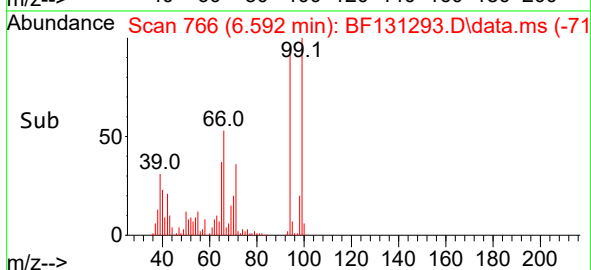
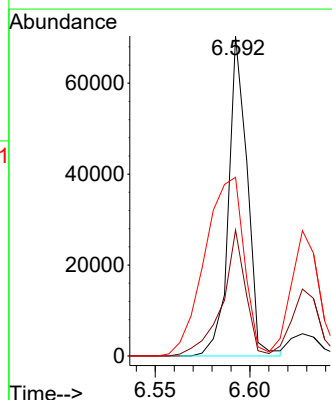
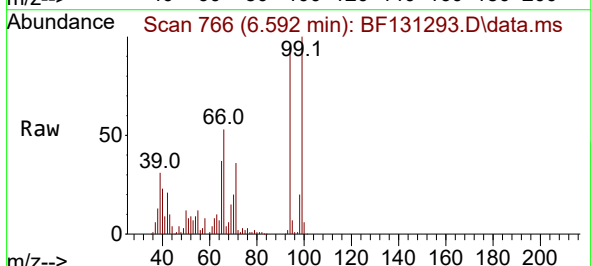
RT: 6.592 min Scan# 766

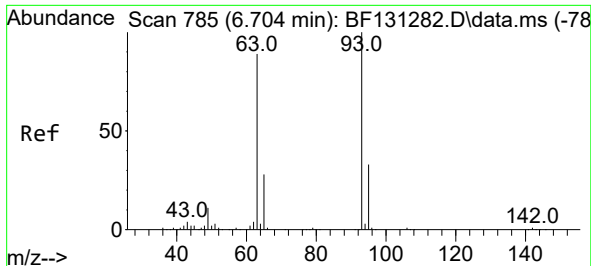
Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 48182 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 39.3  | 16.8  | 56.8  |
| 66       | 55.9  | 31.4  | 71.4  |





#11

bis(2-Chloroethyl)ether

Concen: 8.610 ng

RT: 6.698 min Scan# 785

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

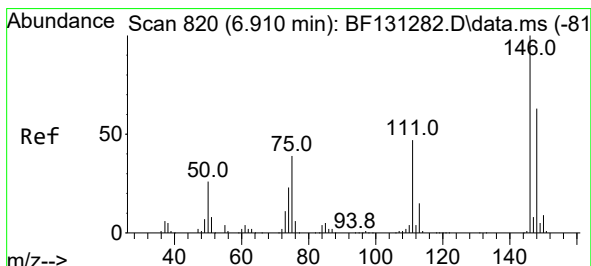
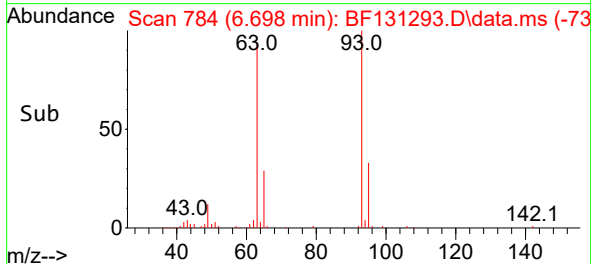
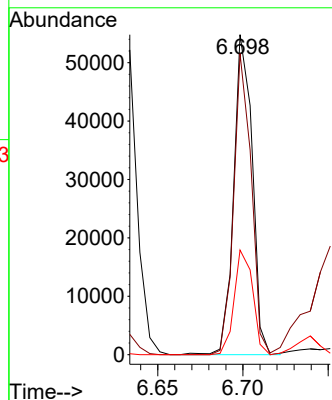
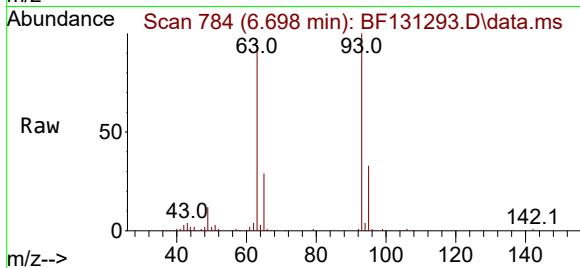
BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 93 Resp: 41562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 94.1  | 68.8  | 108.8 |
| 95  | 32.7  | 12.4  | 52.4  |



#12

1,3-Dichlorobenzene

Concen: 8.480 ng

RT: 6.910 min Scan# 820

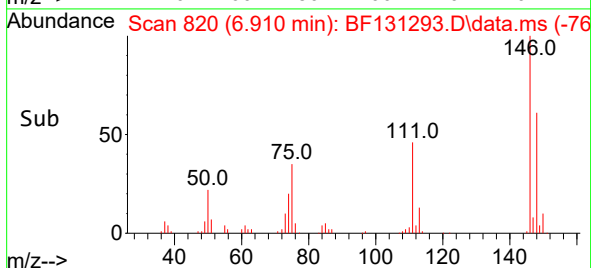
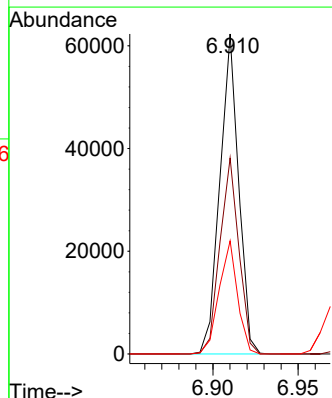
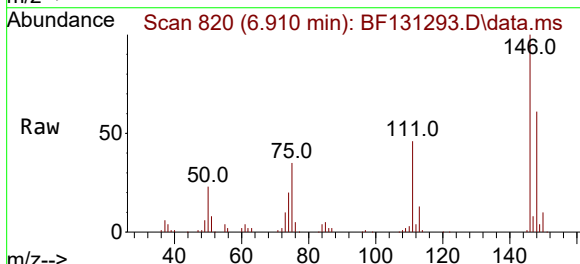
Delta R.T. -0.000 min

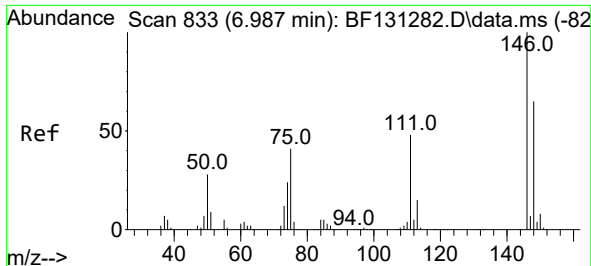
Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion: 146 Resp: 47732

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 61.2  | 50.4  | 75.6  |
| 75  | 35.3  | 30.9  | 46.3  |

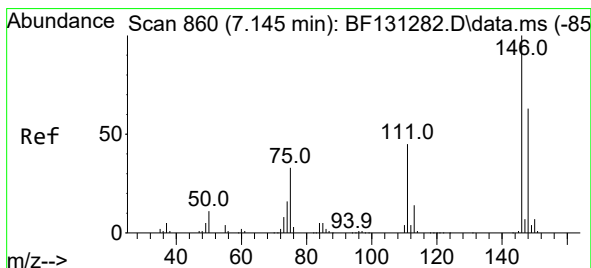
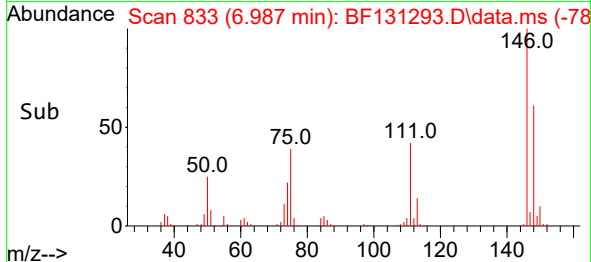
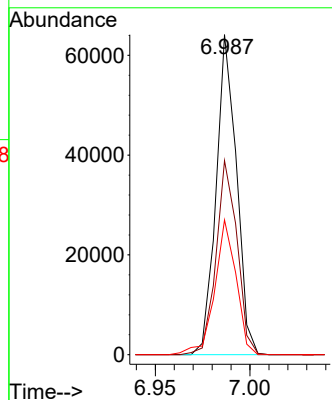
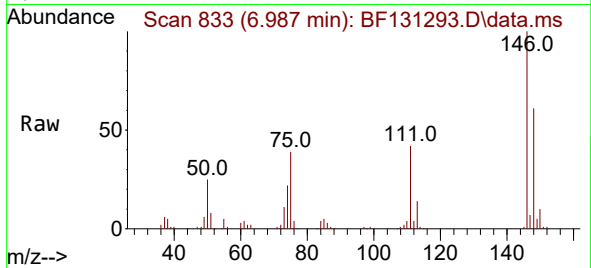




#13  
1,4-Dichlorobenzene  
Concen: 8.409 ng  
RT: 6.987 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

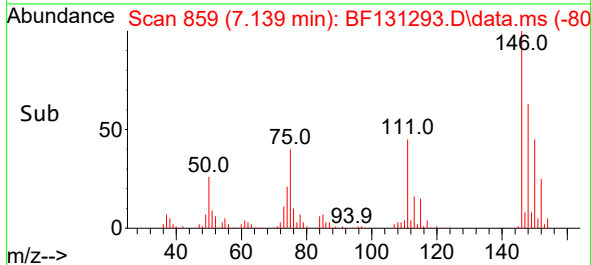
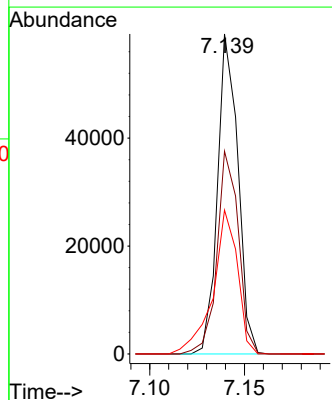
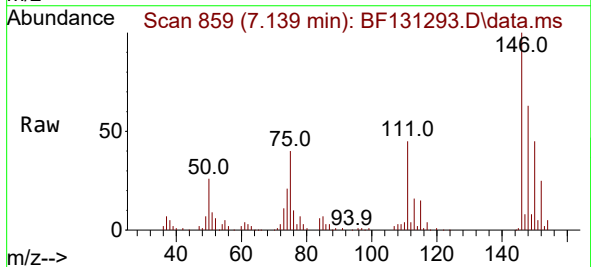
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

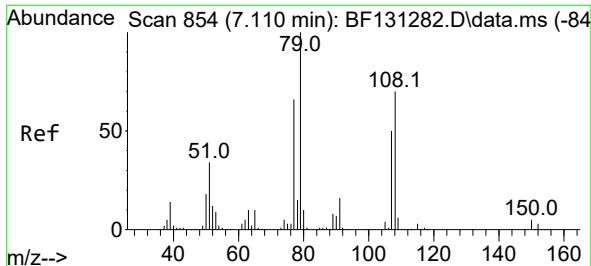
Tgt Ion:146 Resp: 48125  
Ion Ratio Lower Upper  
146 100  
148 60.6 51.9 77.9  
111 42.1 38.3 57.5



#14  
1,2-Dichlorobenzene  
Concen: 8.341 ng  
RT: 7.139 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:146 Resp: 44433  
Ion Ratio Lower Upper  
146 100  
148 63.3 50.6 75.8  
111 44.9 36.4 54.6

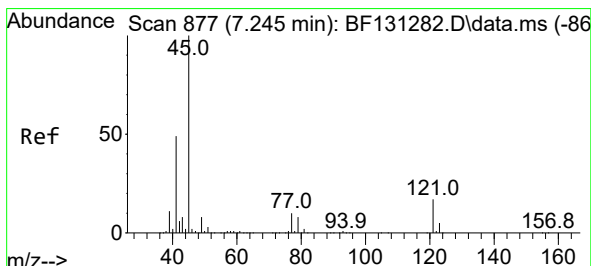
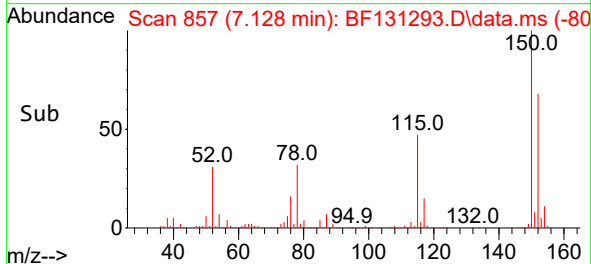
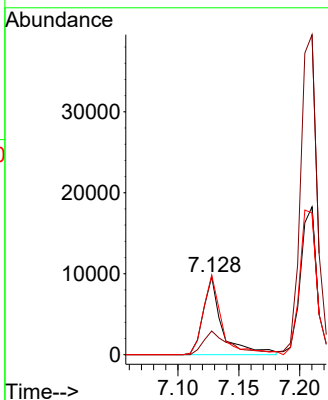
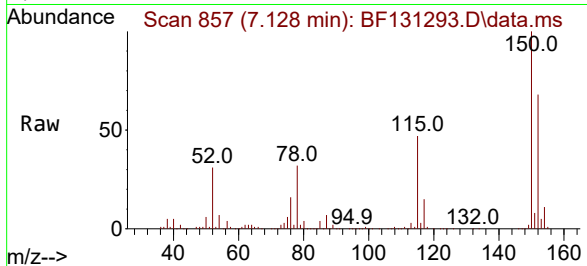




#15  
Benzyl Alcohol  
Concen: 2.263 ng  
RT: 7.128 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

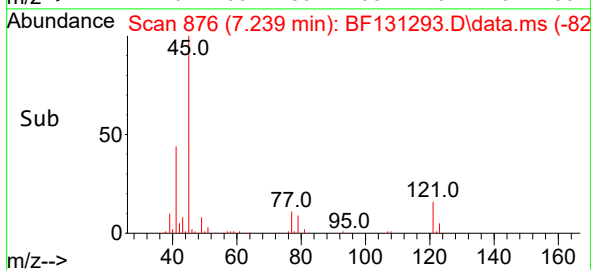
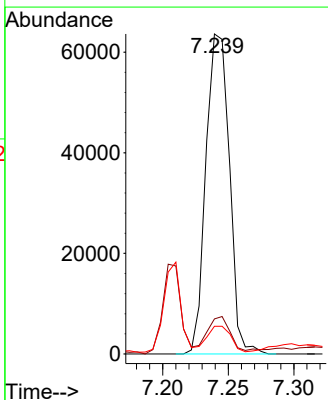
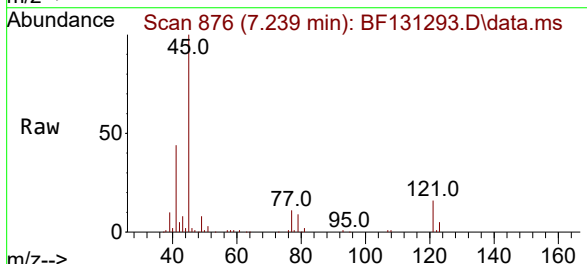
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

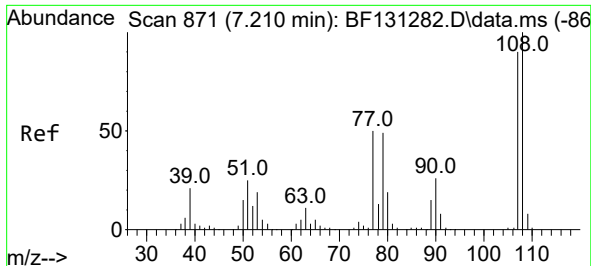
Tgt Ion: 79 Resp: 10443  
Ion Ratio Lower Upper  
79 100  
108 30.4 56.3 84.5#  
77 102.4 52.5 78.7#



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.685 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 45 Resp: 79385  
Ion Ratio Lower Upper  
45 100  
77 11.0 0.0 30.8  
79 8.7 0.0 28.4

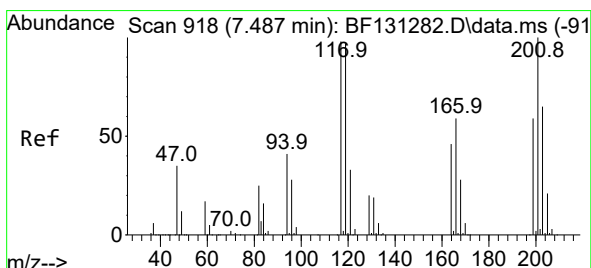
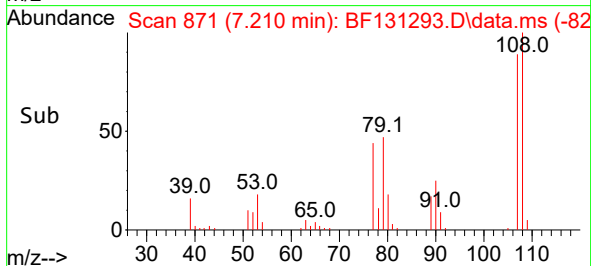
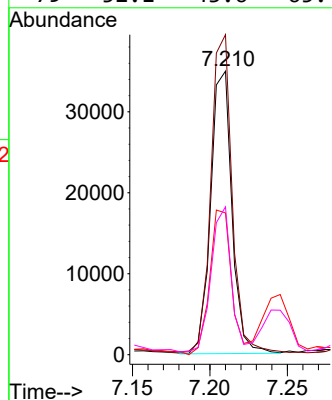
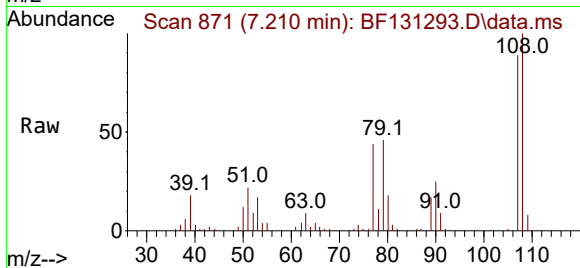




#17  
2-Methylphenol  
Concen: 8.061 ng  
RT: 7.210 min Scan# 871  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

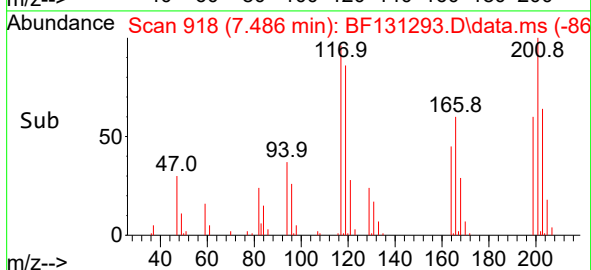
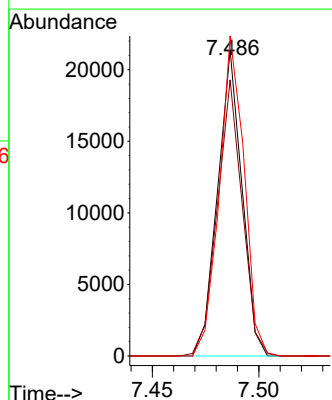
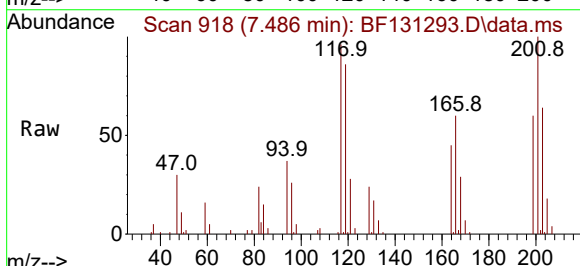
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

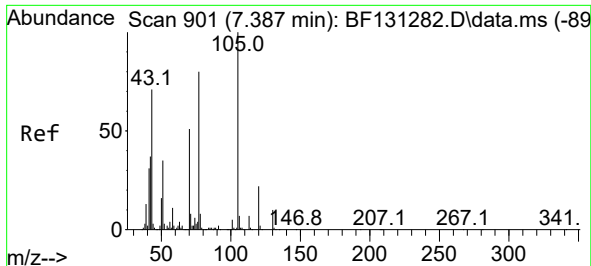
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 33345 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 112.8 | 89.2  | 133.8 |
| 77       | 50.0  | 45.0  | 67.4  |
| 79       | 52.1  | 43.6  | 65.4  |



#18  
Hexachloroethane  
Concen: 8.346 ng  
RT: 7.486 min Scan# 918  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16983 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 90.2  | 79.0  | 118.4 |
| 201      | 104.6 | 81.7  | 122.5 |

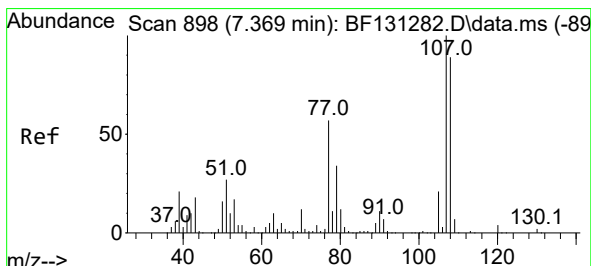
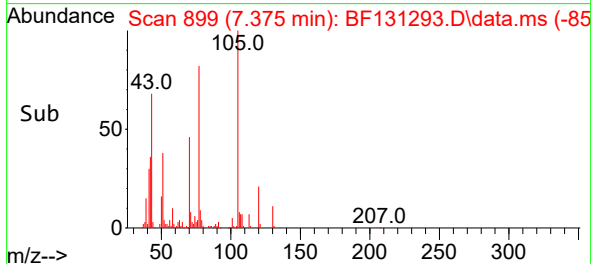
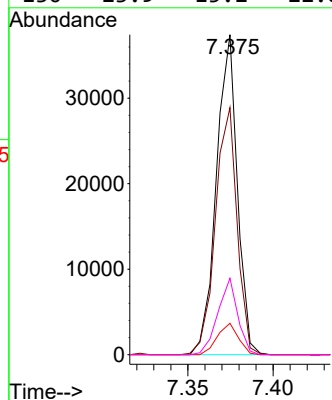
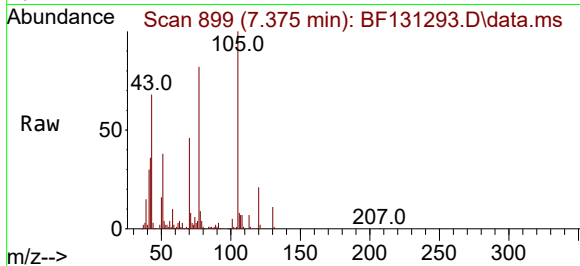




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.210 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

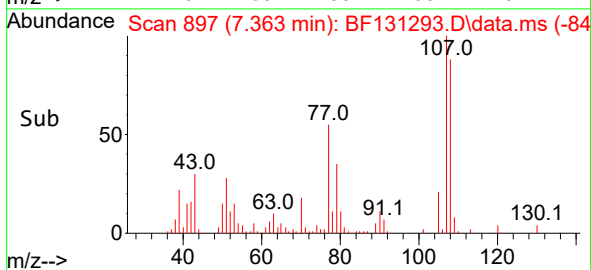
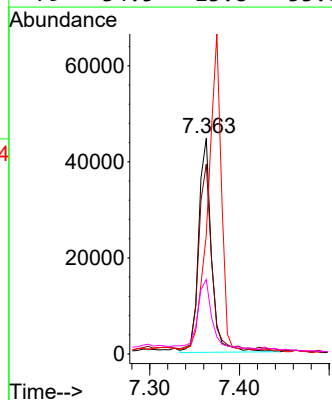
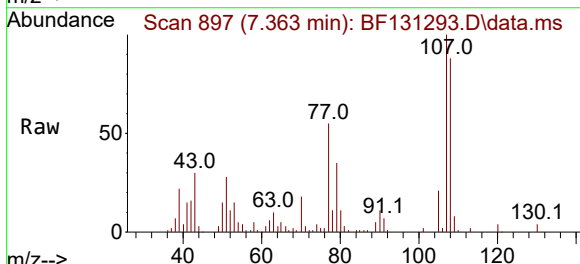
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

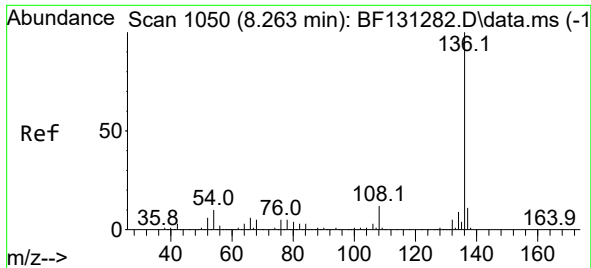
Tgt Ion: 70 Resp: 31998  
Ion Ratio Lower Upper  
70 100  
42 77.2 58.9 88.3  
101 9.8 7.2 10.8  
130 23.9 15.2 22.8#



#20  
3+4-Methylphenols  
Concen: 8.331 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 107 Resp: 44011  
Ion Ratio Lower Upper  
107 100  
108 88.0 69.0 109.0  
77 55.2 36.9 76.9  
79 34.5 13.8 53.8

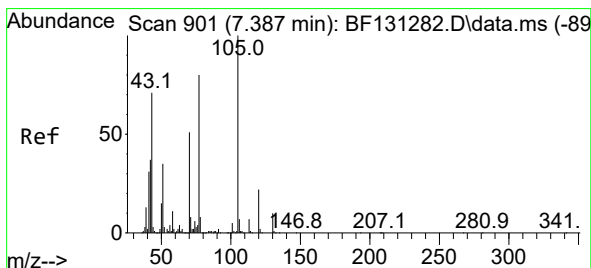
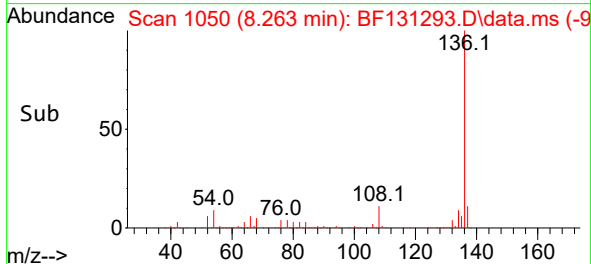
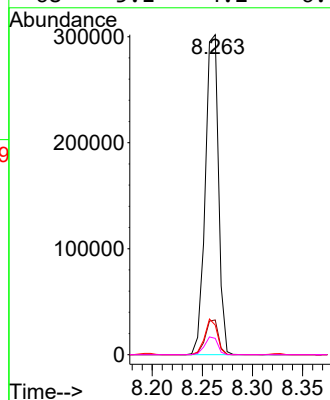
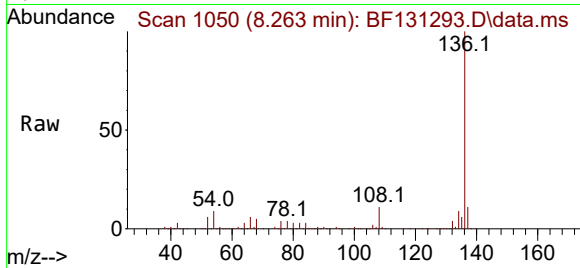




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.263 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

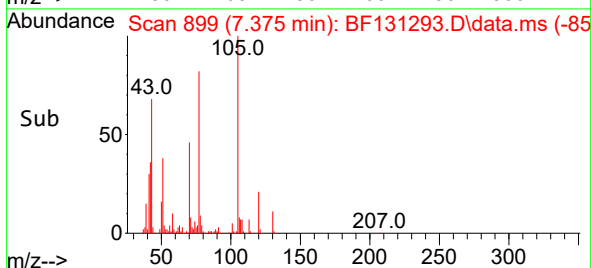
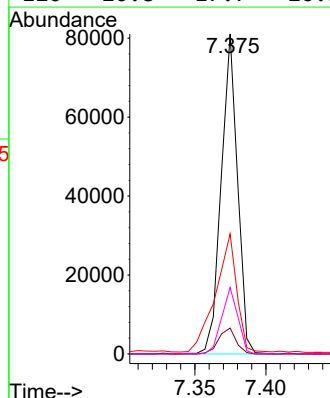
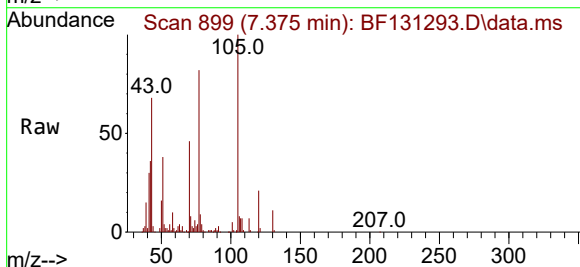
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

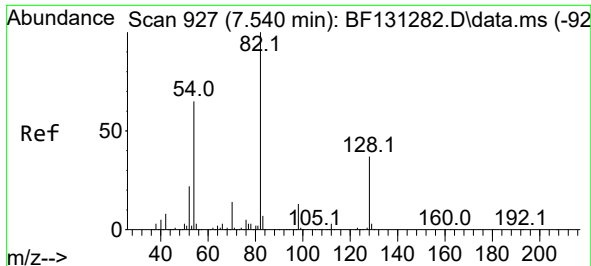
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 278174 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.6   | 12.8   |
| 54        | 9.2   | 8.2   | 12.2   |
| 68        | 5.1   | 4.2   | 6.4    |



#22  
Acetophenone  
Concen: 8.783 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 64563 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 8.1   | 6.4   | 9.6   |
| 51        | 37.5  | 28.0  | 42.0  |
| 120       | 20.8  | 17.7  | 26.5  |

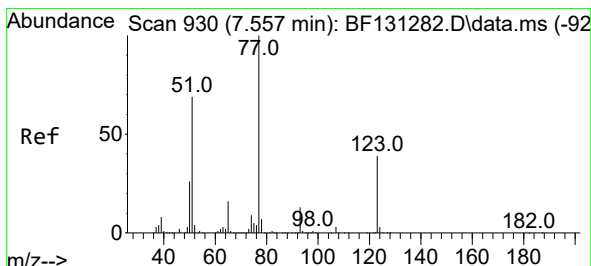
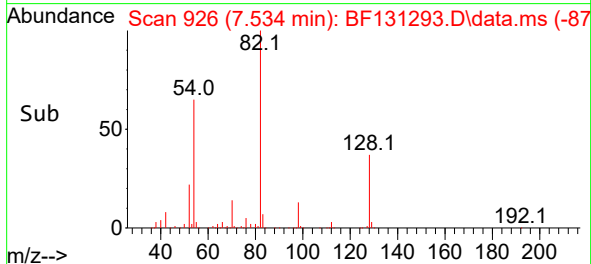
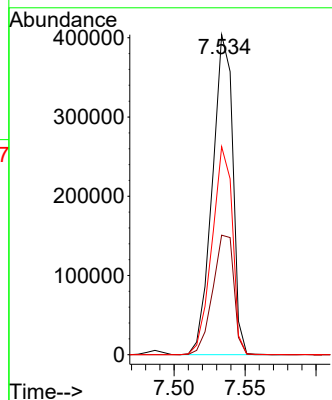
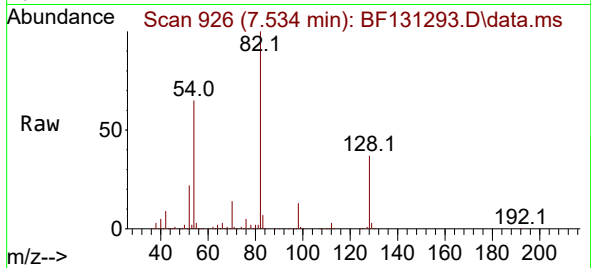




#23  
Nitrobenzene-d5  
Concen: 77.424 ng  
RT: 7.534 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

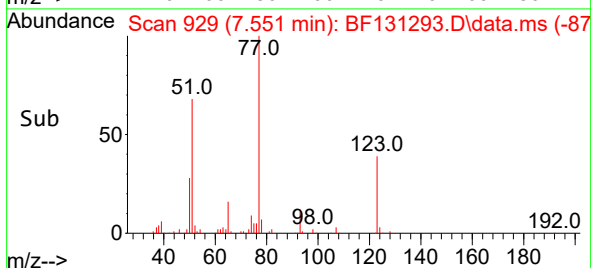
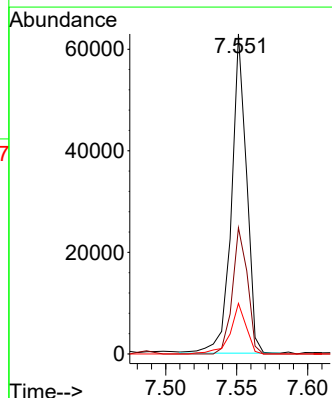
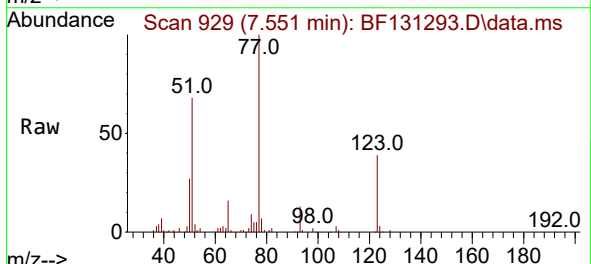
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

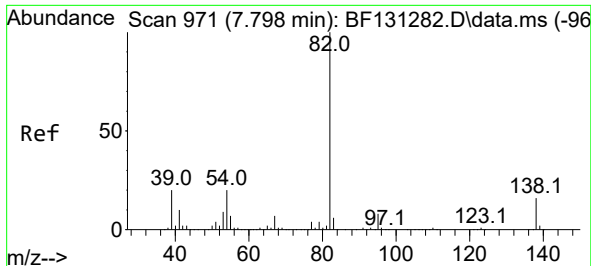
Tgt Ion: 82 Resp: 403189  
Ion Ratio Lower Upper  
82 100  
128 37.3 29.2 43.8  
54 65.0 52.2 78.4



#24  
Nitrobenzene  
Concen: 8.792 ng  
RT: 7.551 min Scan# 929  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 77 Resp: 46343  
Ion Ratio Lower Upper  
77 100  
123 39.5 31.0 46.6  
65 15.8 12.6 19.0

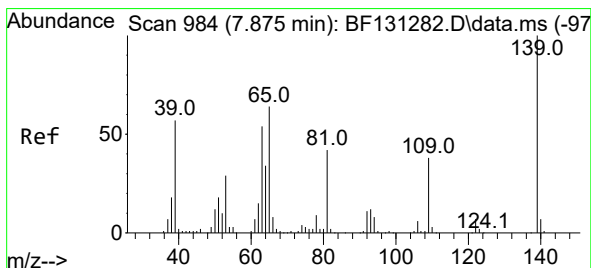
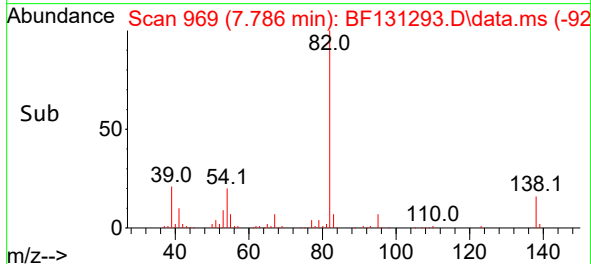
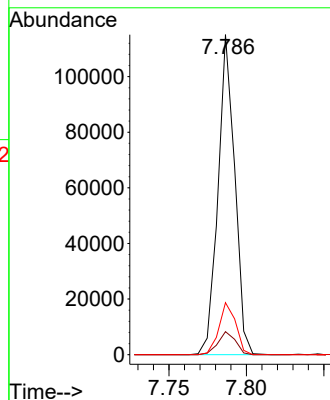
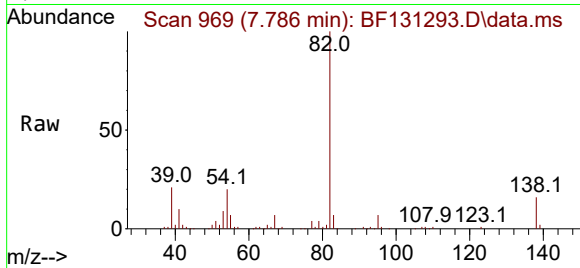




#25  
Isophorone  
Concen: 8.680 ng  
RT: 7.786 min Scan# 90  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

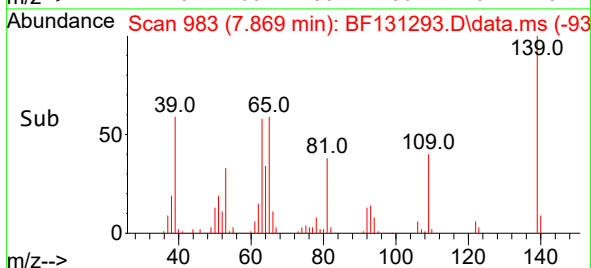
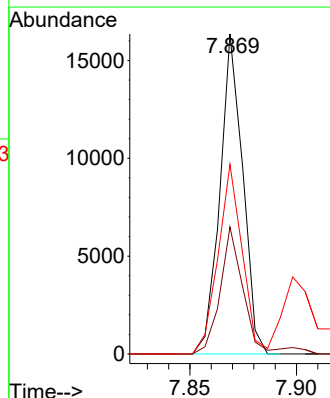
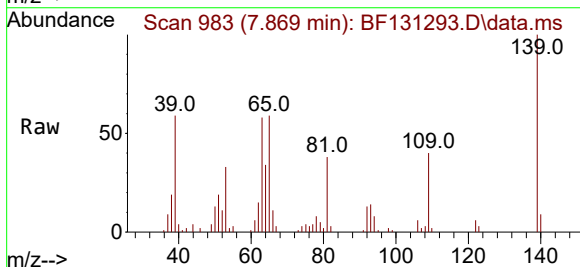
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

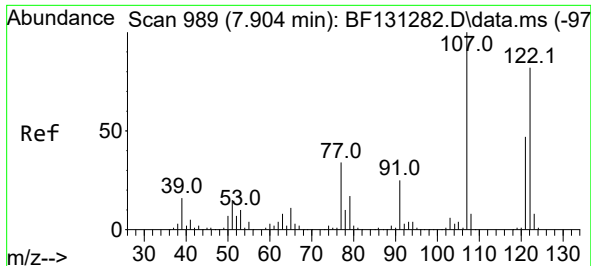
Tgt Ion: 82 Resp: 86304  
Ion Ratio Lower Upper  
82 100  
95 7.2 6.6 9.8  
138 16.3 13.0 19.6



#26  
2-Nitrophenol  
Concen: 7.277 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion: 139 Resp: 12149  
Ion Ratio Lower Upper  
139 100  
109 39.7 30.4 45.6  
65 59.3 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 9.541 ng

RT: 7.898 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

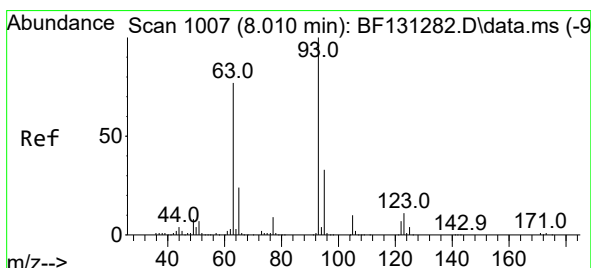
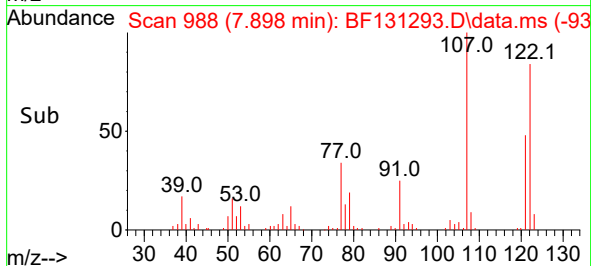
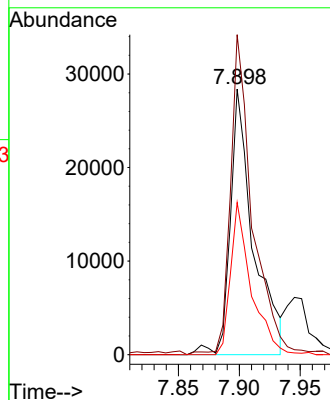
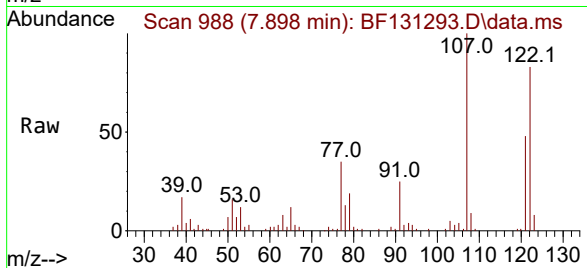
Tgt Ion:122 Resp: 37294

Ion Ratio Lower Upper

122 100

107 120.5 98.2 147.2

121 57.3 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 9.407 ng

RT: 7.998 min Scan# 1005

Delta R.T. -0.012 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

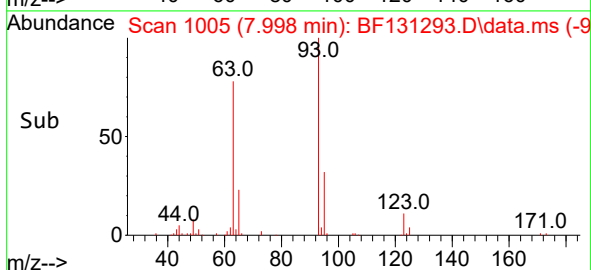
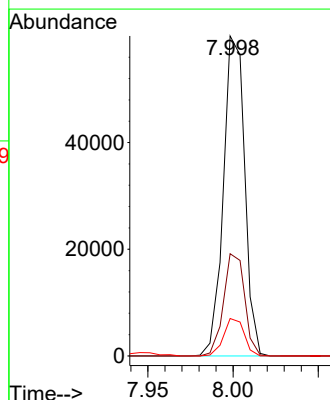
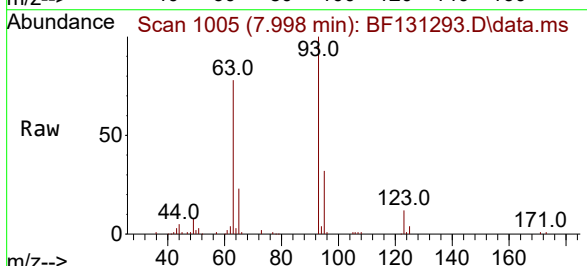
Tgt Ion: 93 Resp: 52242

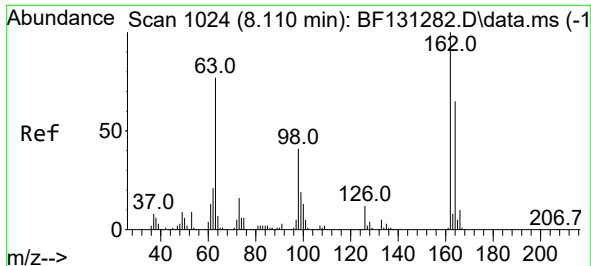
Ion Ratio Lower Upper

93 100

95 31.9 26.4 39.6

123 11.7 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 8.147 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

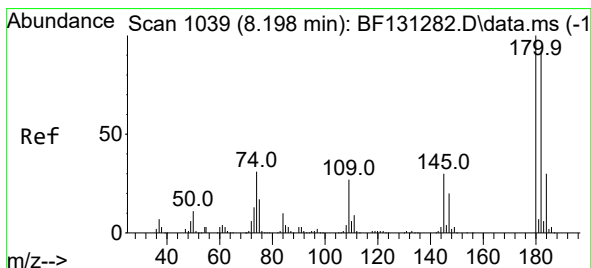
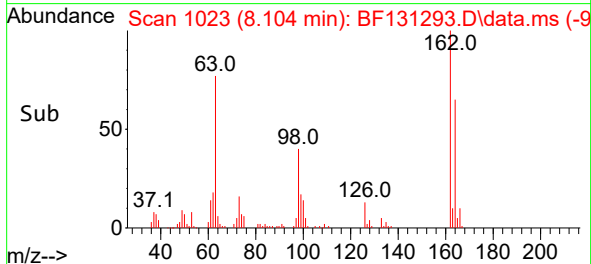
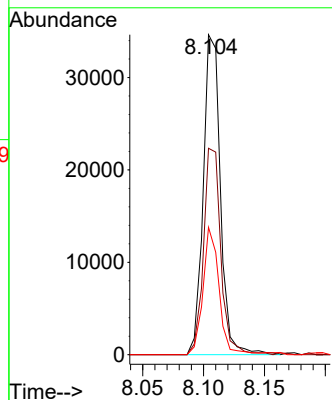
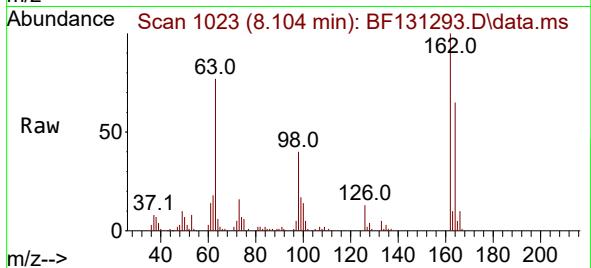
Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 34102     |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 164         | 64.5  | 44.7 84.7 |
| 98          | 39.8  | 21.5 61.5 |



#30

1,2,4-Trichlorobenzene

Concen: 8.165 ng

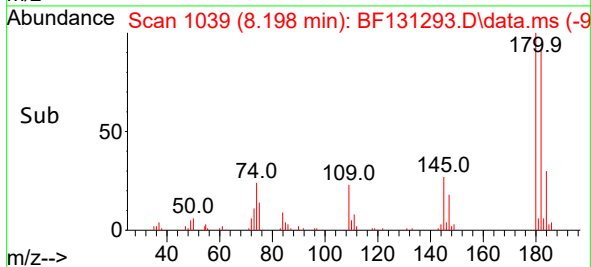
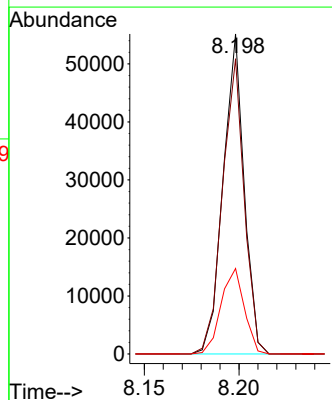
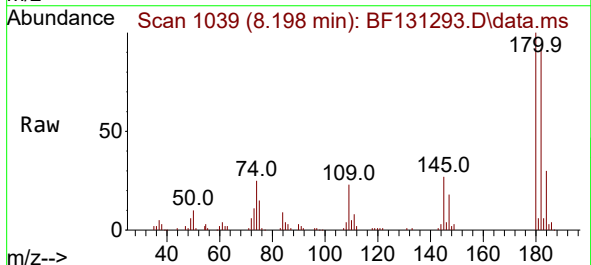
RT: 8.198 min Scan# 1039

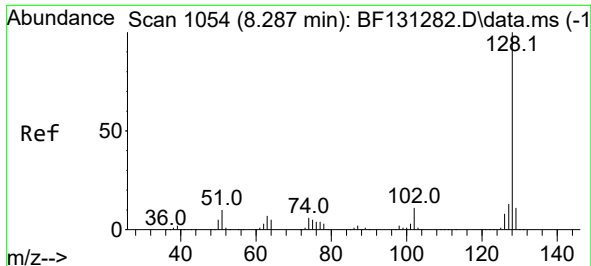
Delta R.T. 0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 42436      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 92.2  | 74.0 111.0 |
| 145         | 26.7  | 23.8 35.6  |

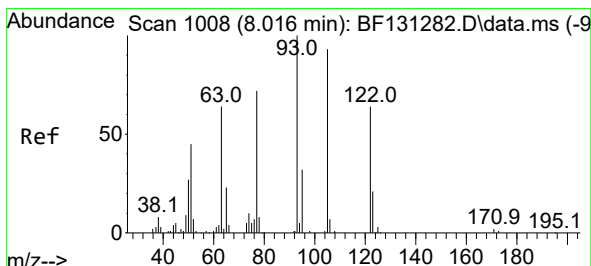
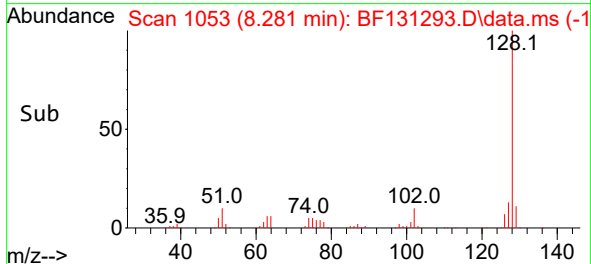
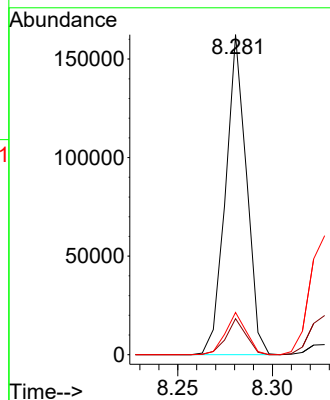
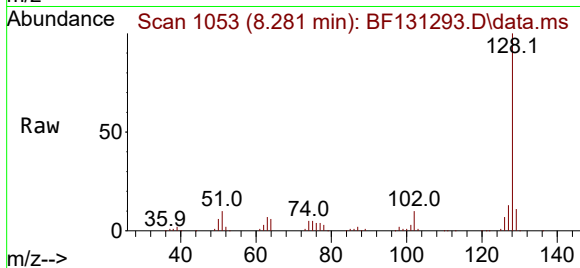




#31  
Naphthalene  
Concen: 8.266 ng  
RT: 8.281 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

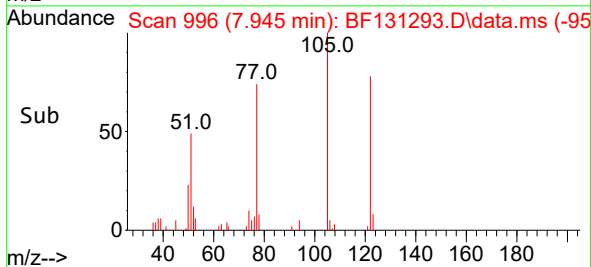
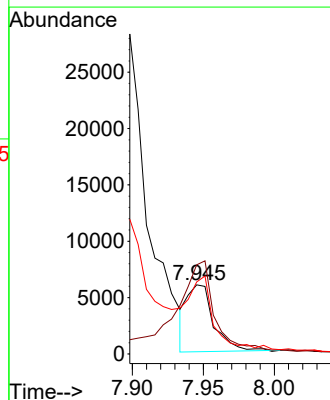
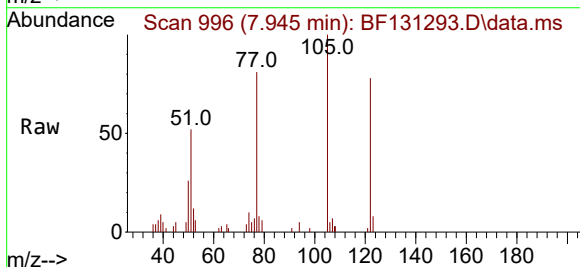
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

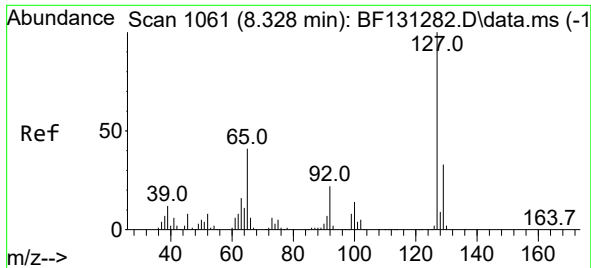
Tgt Ion:128 Resp: 124692  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.6 13.0  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 3.316 ng  
RT: 7.945 min Scan# 996  
Delta R.T. -0.071 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:122 Resp: 7753  
Ion Ratio Lower Upper  
122 100  
105 129.0 121.4 161.4  
77 104.1 91.2 131.2

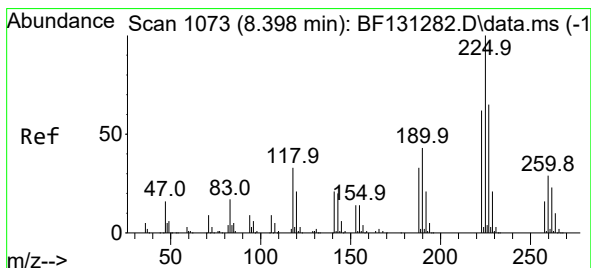
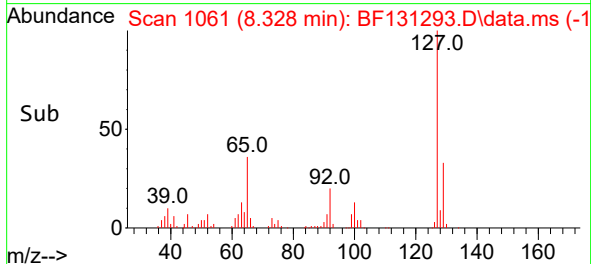
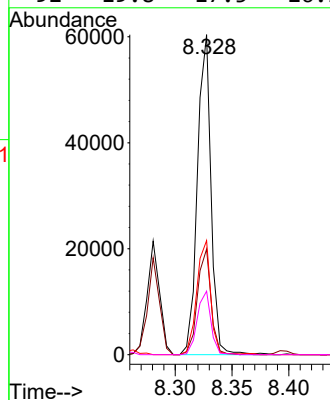
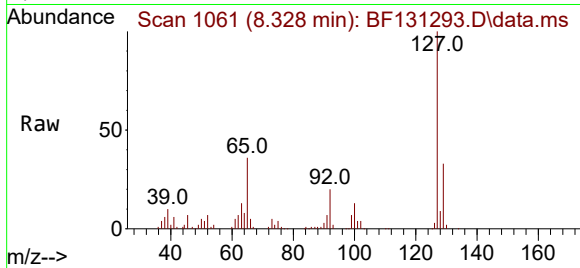




#33  
4-Chloroaniline  
Concen: 8.633 ng  
RT: 8.328 min Scan# 1061  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

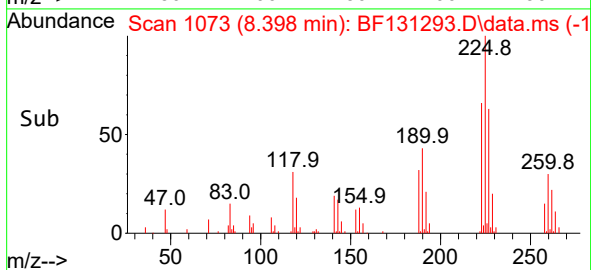
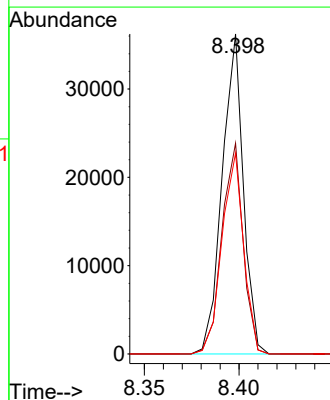
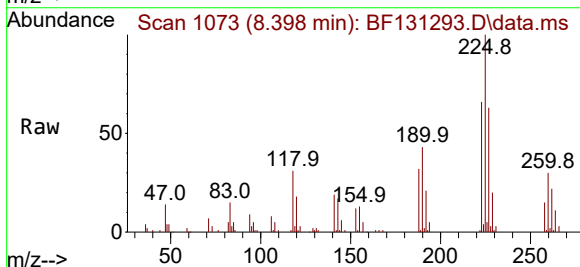
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

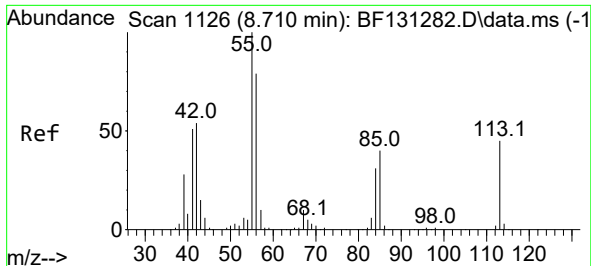
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:127 | Resp: | 50582     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 33.0  | 26.6 40.0 |
| 65          | 35.6  | 33.2 49.8 |
| 92          | 19.8  | 17.5 26.3 |



#34  
Hexachlorobutadiene  
Concen: 8.194 ng  
RT: 8.398 min Scan# 1073  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 28143     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 65.8  | 49.4 74.2 |
| 227         | 62.7  | 51.7 77.5 |

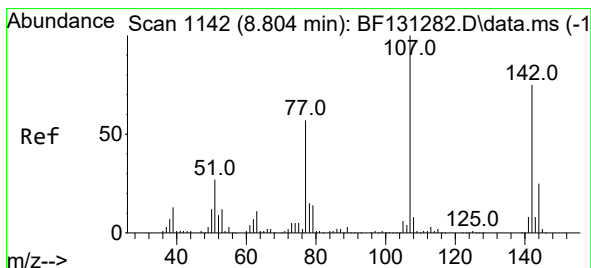
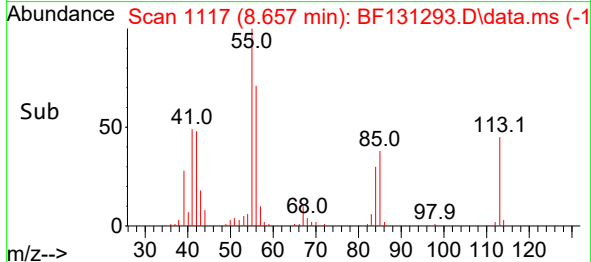
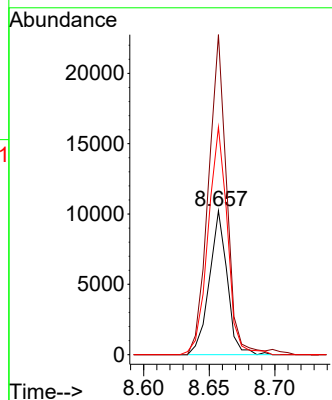
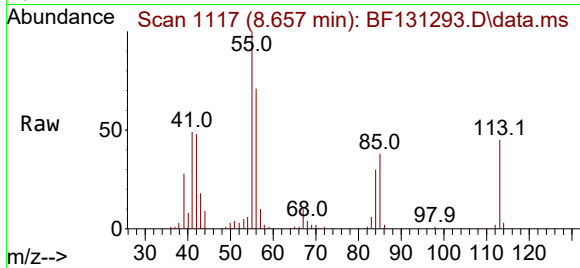




#35  
 Caprolactam  
 Concen: 8.320 ng  
 RT: 8.657 min Scan# 1117  
 Delta R.T. -0.053 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

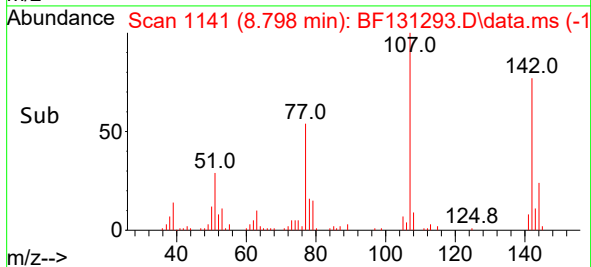
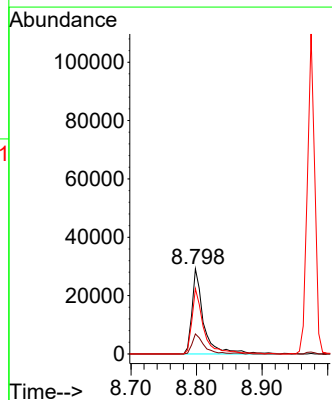
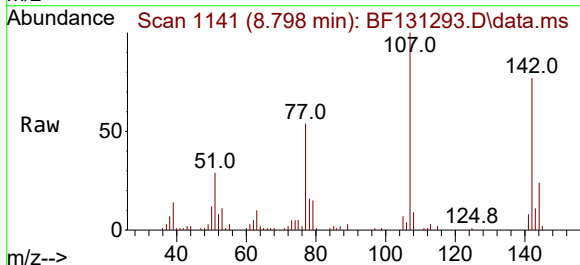
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

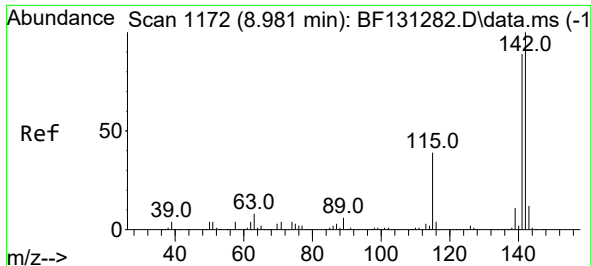
Tgt Ion:113 Resp: 9697  
 Ion Ratio Lower Upper  
 113 100  
 55 222.6 200.6 240.6  
 56 158.3 154.5 194.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 8.014 ng  
 RT: 8.798 min Scan# 1141  
 Delta R.T. -0.006 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

Tgt Ion:107 Resp: 36160  
 Ion Ratio Lower Upper  
 107 100  
 144 23.5 19.6 29.4  
 142 76.8 60.1 90.1

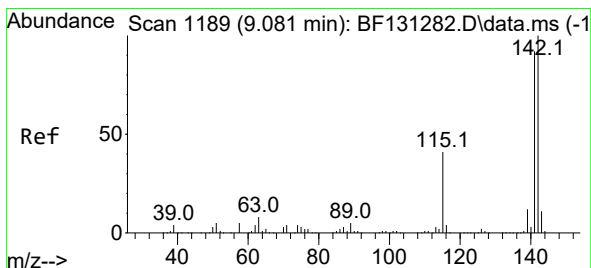
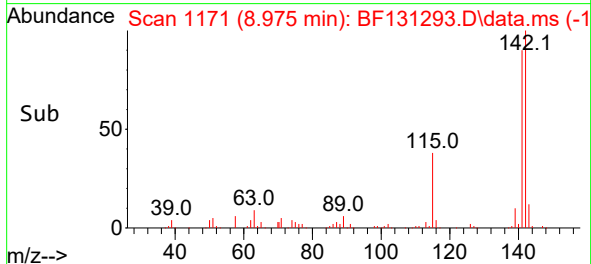
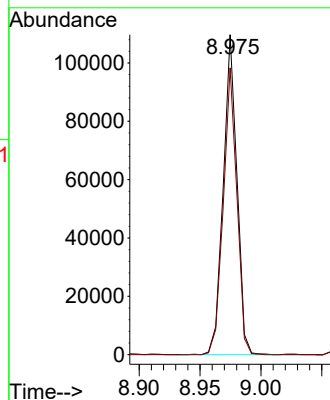
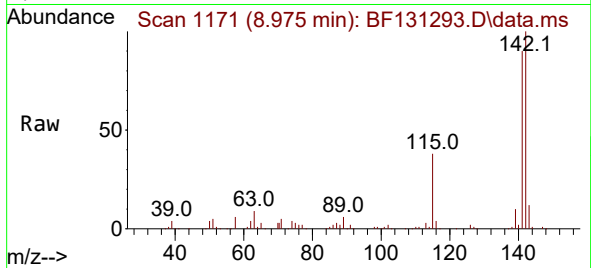




#37  
2-Methylnaphthalene  
Concen: 8.452 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

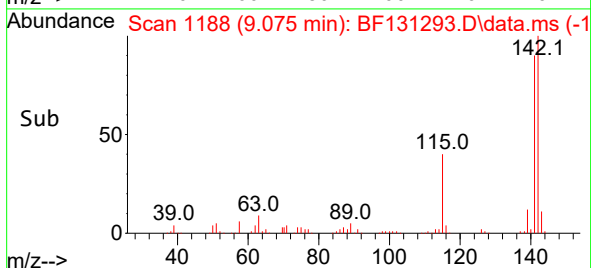
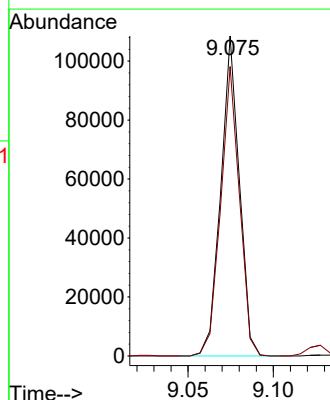
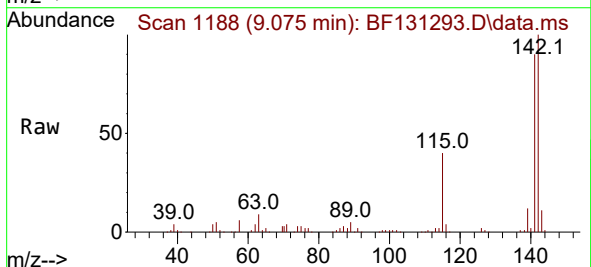
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

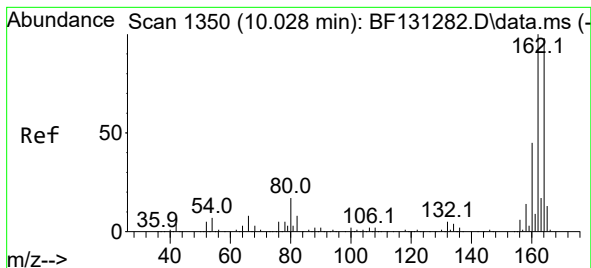
Tgt Ion:142 Resp: 85922  
Ion Ratio Lower Upper  
142 100  
141 89.7 71.4 107.2



#38  
1-Methylnaphthalene  
Concen: 8.361 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:142 Resp: 82362  
Ion Ratio Lower Upper  
142 100  
141 90.5 74.0 111.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.027 min Scan# 1199

Delta R.T. -0.001 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

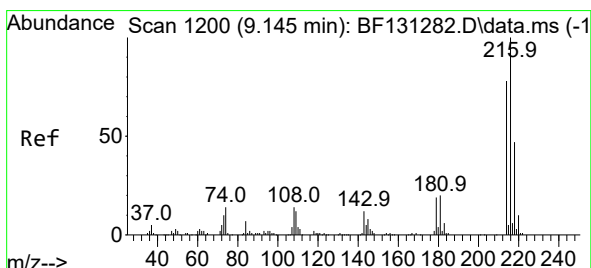
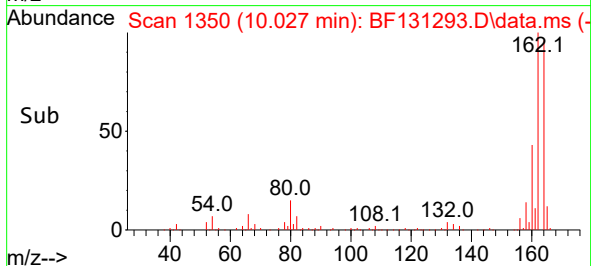
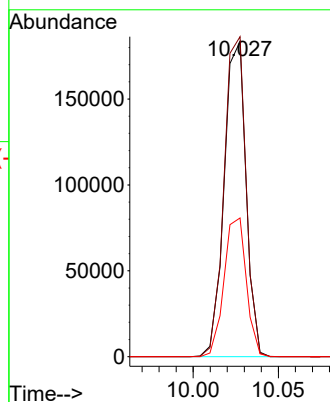
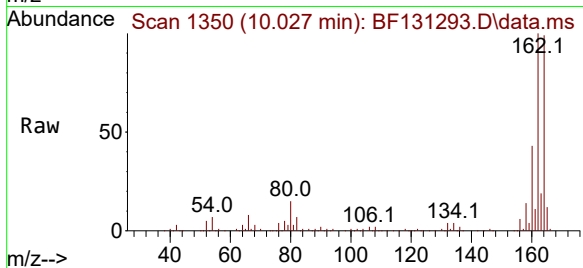
Tgt Ion:164 Resp: 163427

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

160 44.0 36.6 54.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.807 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion:216 Resp: 47095

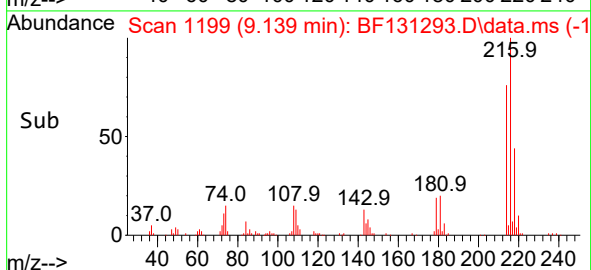
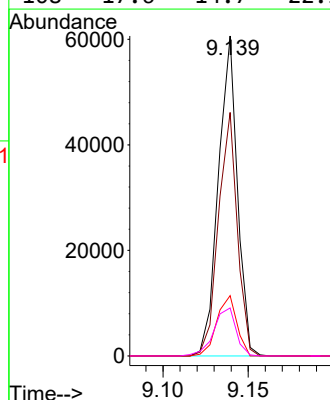
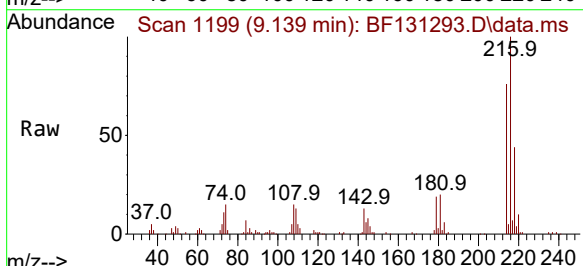
Ion Ratio Lower Upper

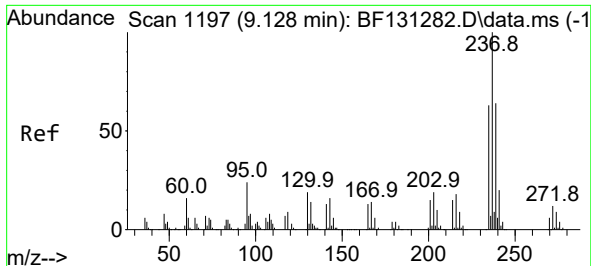
216 100

214 75.3 62.5 93.7

179 19.9 16.7 25.1

108 17.6 14.7 22.1

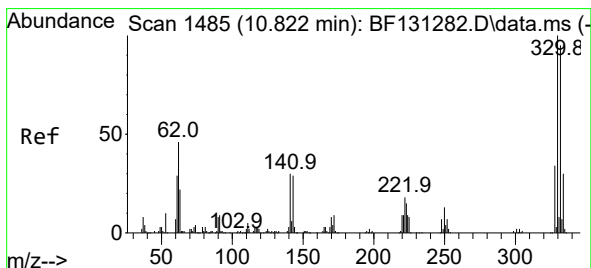
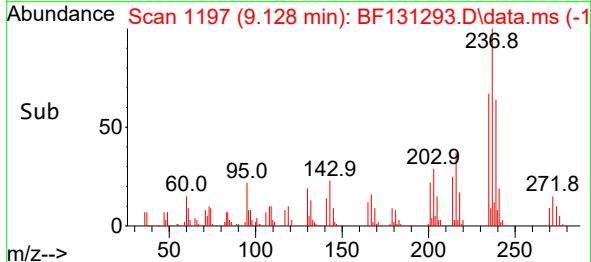
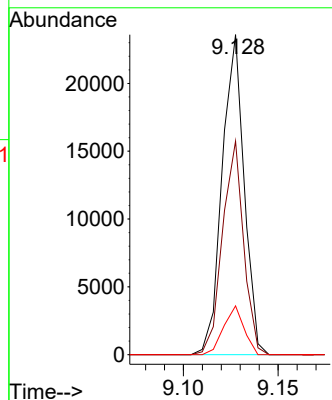
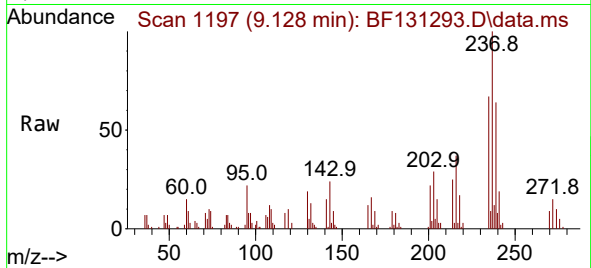




#41  
Hexachlorocyclopentadiene  
Concen: 8.223 ng  
RT: 9.128 min Scan# 1197  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

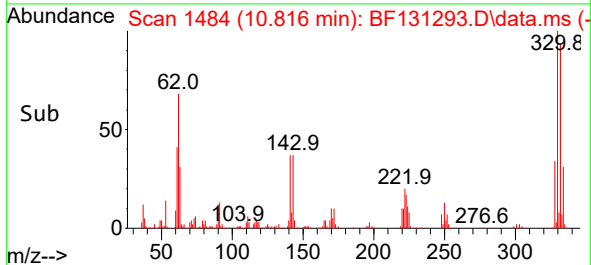
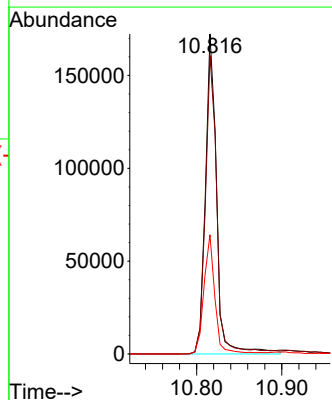
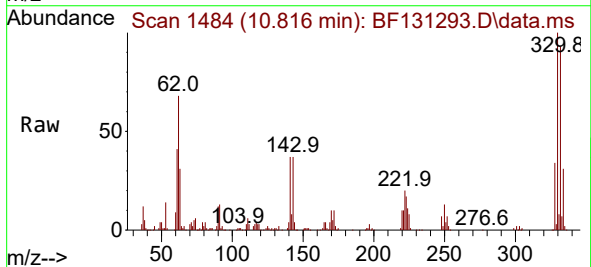
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

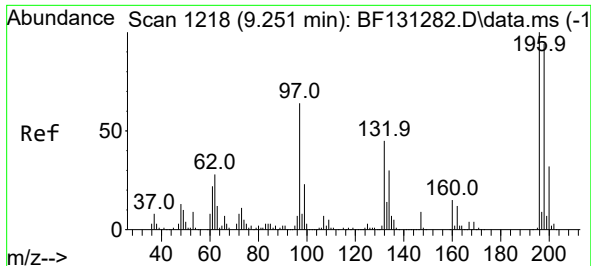
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 19021     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 66.7  | 42.7 82.7 |
| 272         | 15.2  | 0.0 31.6  |



#42  
2,4,6-Tribromophenol  
Concen: 107.864 ng  
RT: 10.816 min Scan# 1484  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 156923     |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 94.2  | 75.4 113.0 |
| 141         | 36.5  | 30.0 45.0  |





#43

2,4,6-Trichlorophenol

Concen: 5.883 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

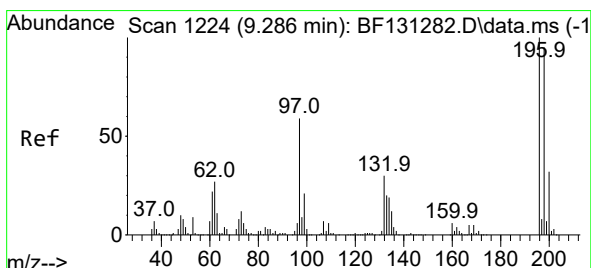
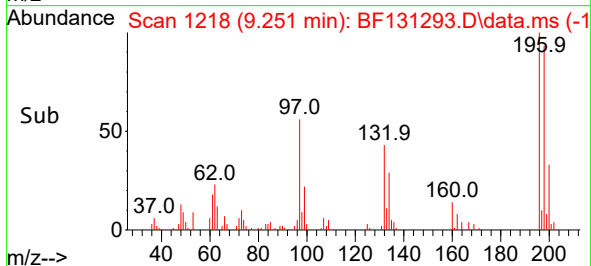
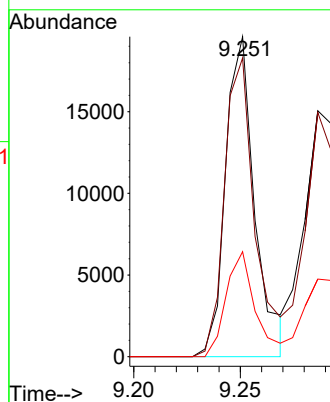
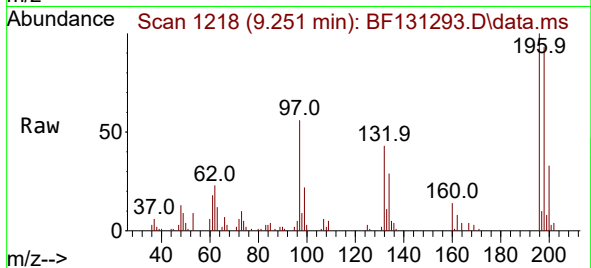
Tgt Ion:196 Resp: 18705

Ion Ratio Lower Upper

196 100

198 93.3 74.8 112.2

200 32.8 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 8.597 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion:196 Resp: 29780

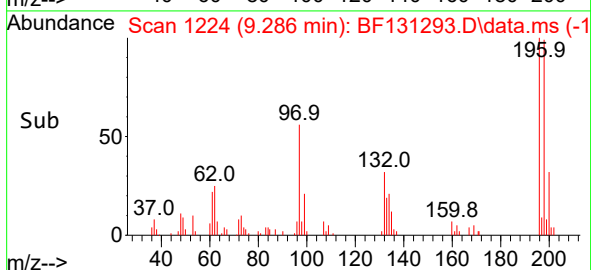
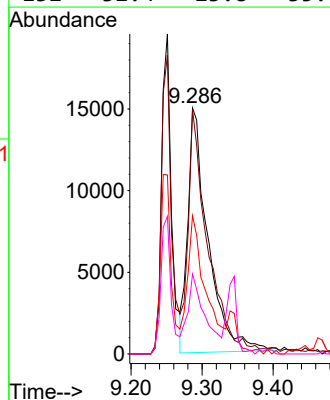
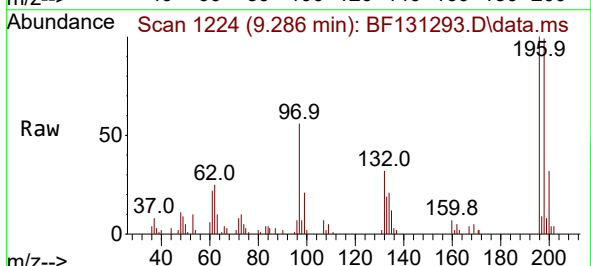
Ion Ratio Lower Upper

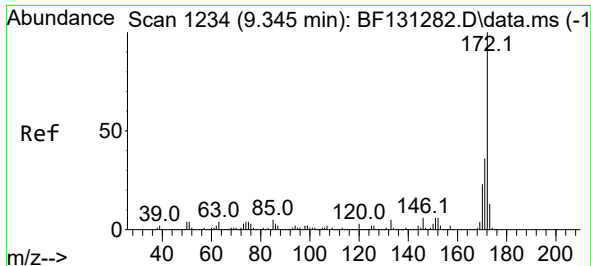
196 100

198 99.2 75.6 113.4

97 56.2 47.4 71.0

132 32.4 23.8 35.8





#45

2-Fluorobiphenyl

Concen: 73.296 ng

RT: 9.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

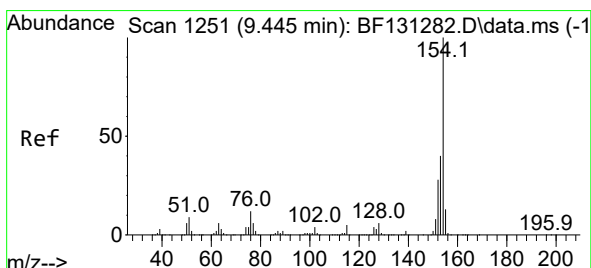
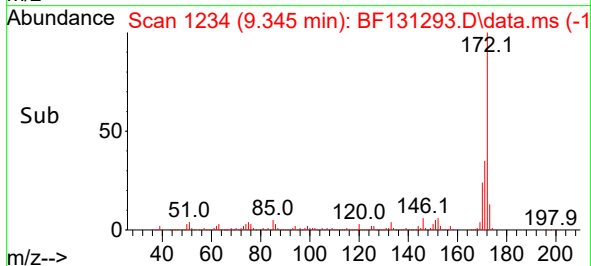
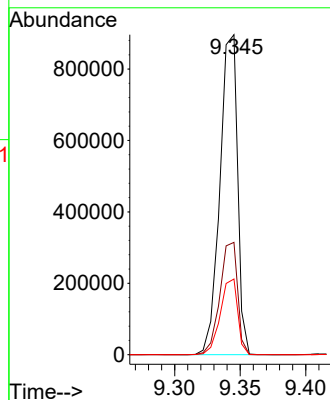
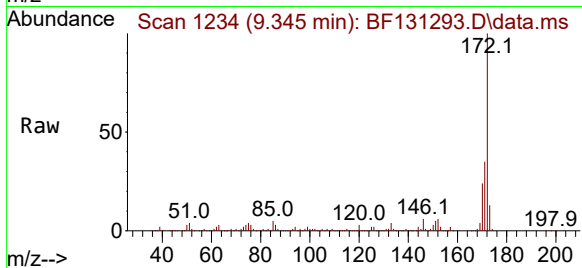
Tgt Ion:172 Resp: 838688

Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.6 18.5 27.7



#46

1,1'-Biphenyl

Concen: 8.819 ng

RT: 9.439 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

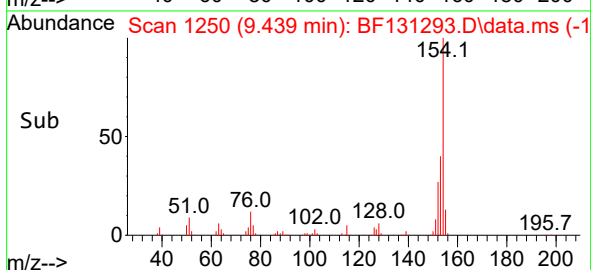
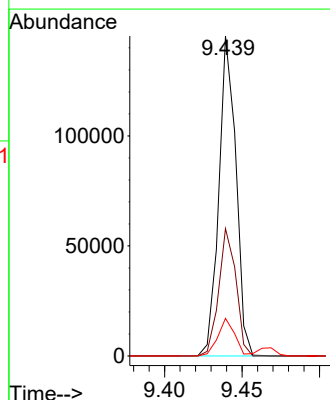
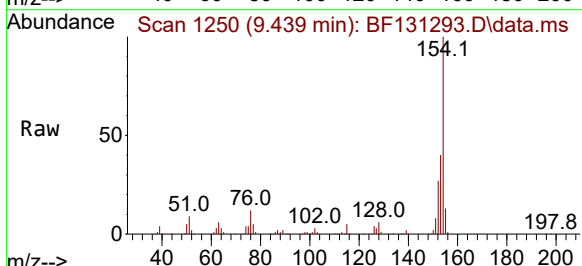
Tgt Ion:154 Resp: 111292

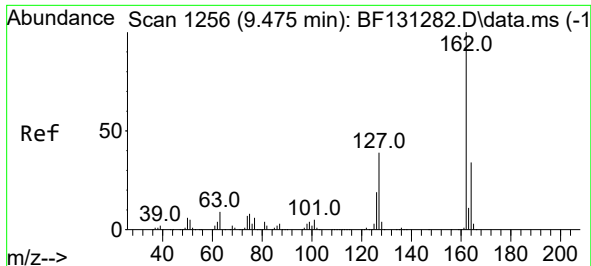
Ion Ratio Lower Upper

154 100

153 39.8 20.1 60.1

76 11.7 0.0 31.8





#47

2-Chloronaphthalene

Concen: 8.589 ng

RT: 9.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

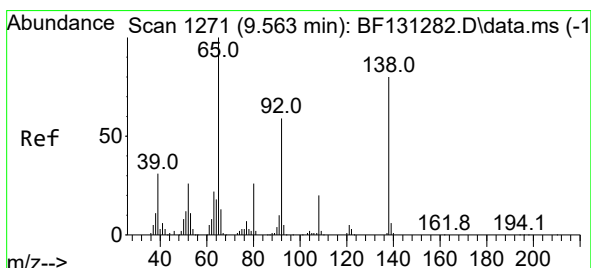
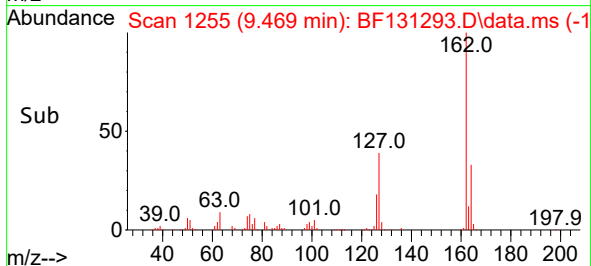
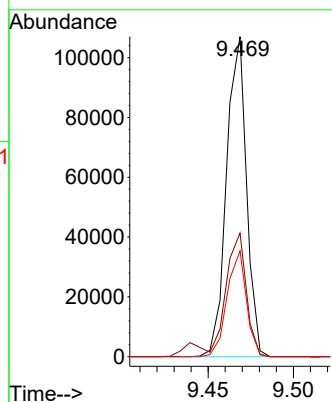
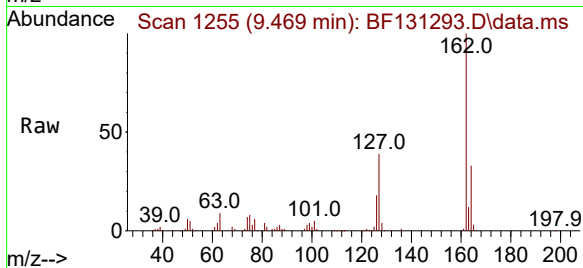
Tgt Ion:162 Resp: 87026

Ion Ratio Lower Upper

162 100

127 38.7 31.1 46.7

164 33.0 26.9 40.3



#48

2-Nitroaniline

Concen: 6.893 ng

RT: 9.557 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

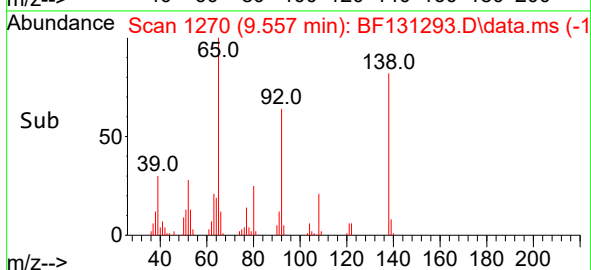
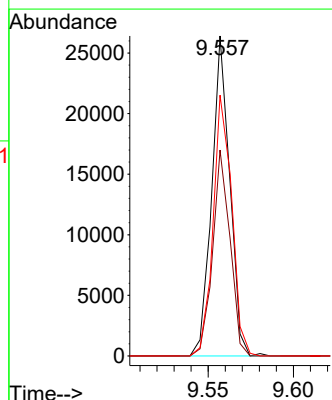
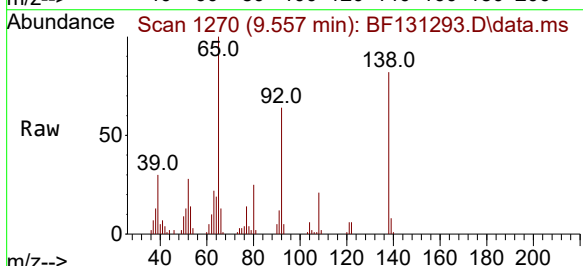
Tgt Ion: 65 Resp: 19305

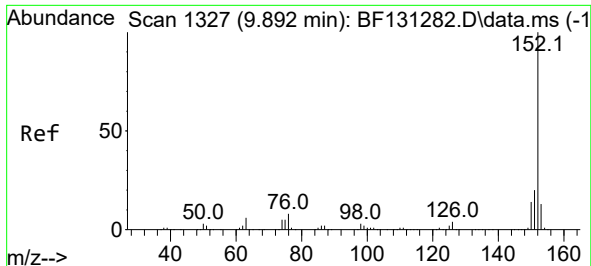
Ion Ratio Lower Upper

65 100

92 64.3 47.2 70.8

138 81.5 64.2 96.4

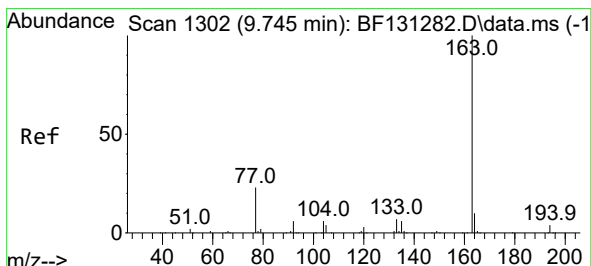
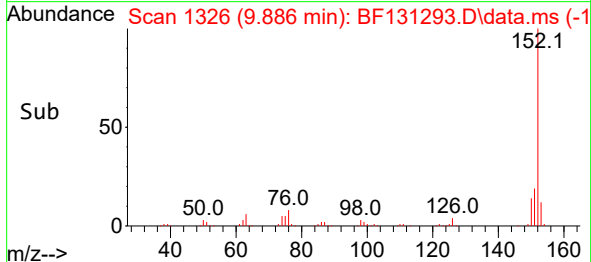
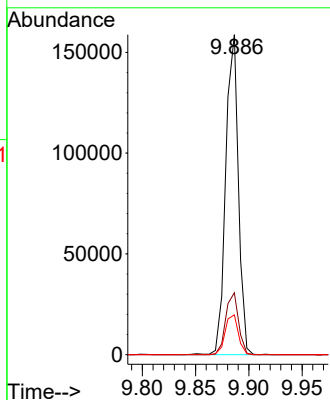
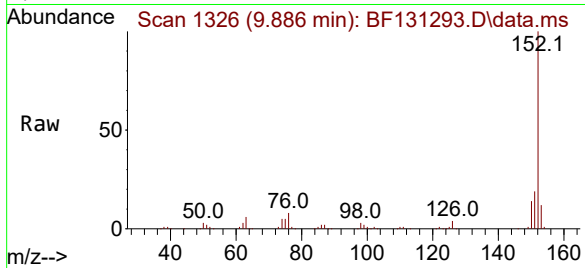




#49  
Acenaphthylene  
Concen: 8.428 ng  
RT: 9.886 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

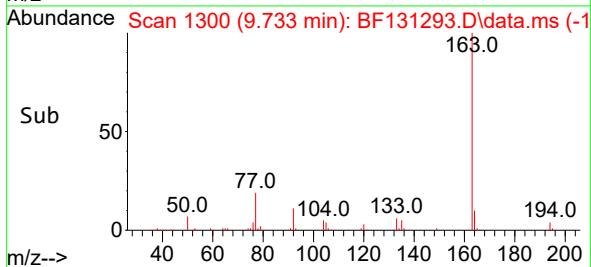
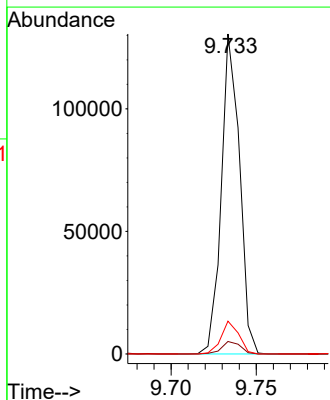
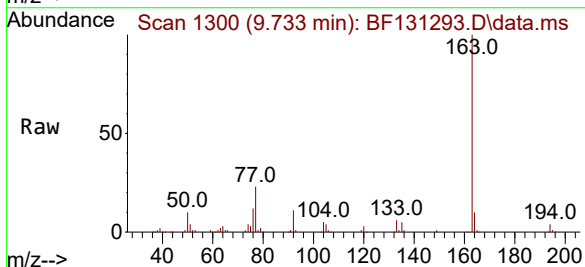
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

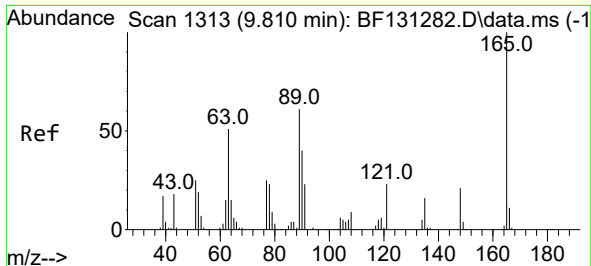
Tgt Ion:152 Resp: 130439  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.9 23.9  
153 12.5 10.4 15.6



#50  
Dimethylphthalate  
Concen: 8.192 ng  
RT: 9.733 min Scan# 1300  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:163 Resp: 96950  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.3 8.4 12.6

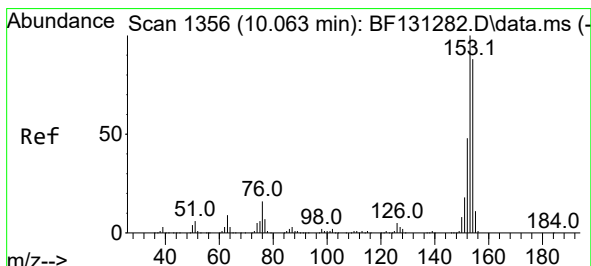
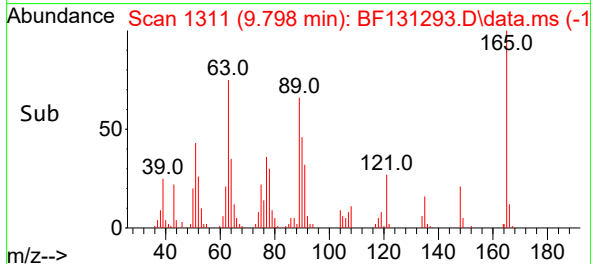
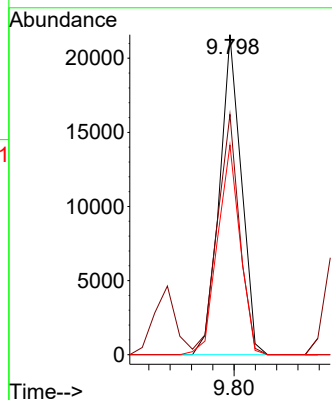
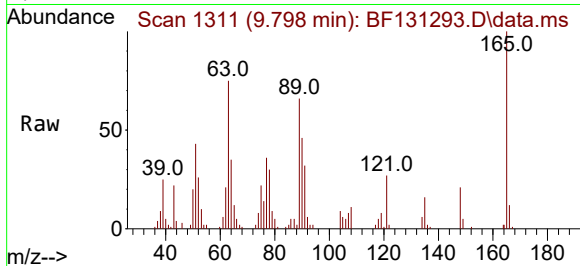




#51  
2,6-Dinitrotoluene  
Concen: 7.940 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

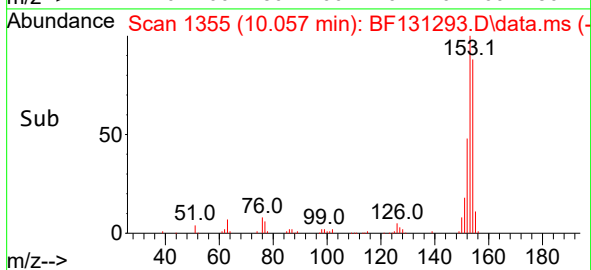
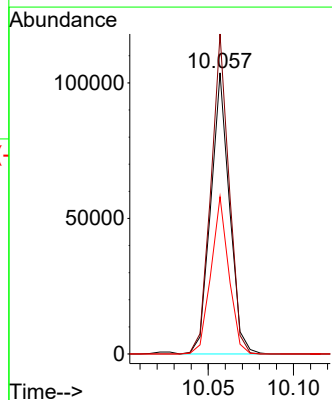
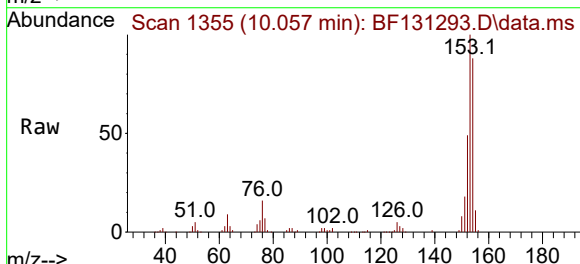
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

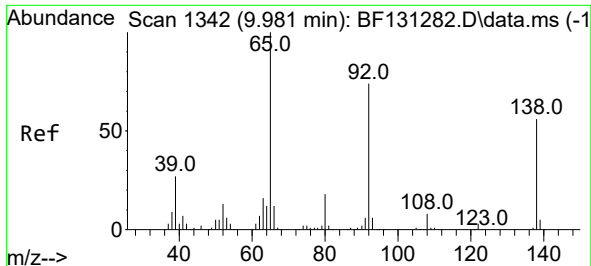
Tgt Ion:165 Resp: 15434  
Ion Ratio Lower Upper  
165 100  
63 75.1 53.3 79.9  
89 65.6 49.4 74.0



#52  
Acenaphthene  
Concen: 8.182 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

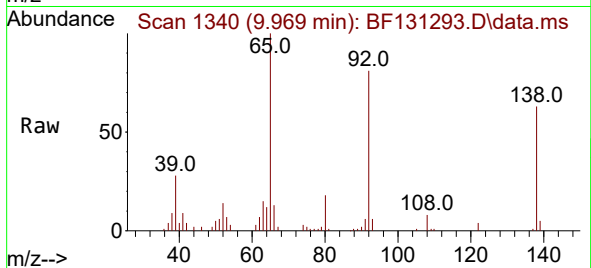
Tgt Ion:154 Resp: 79014  
Ion Ratio Lower Upper  
154 100  
153 113.9 90.7 136.1  
152 56.0 43.1 64.7



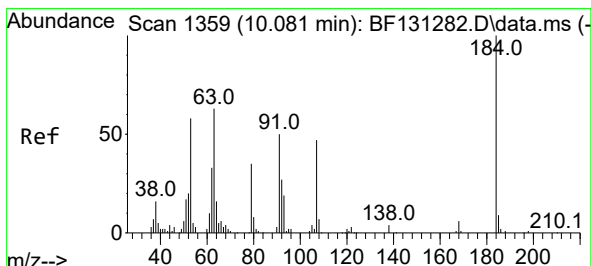
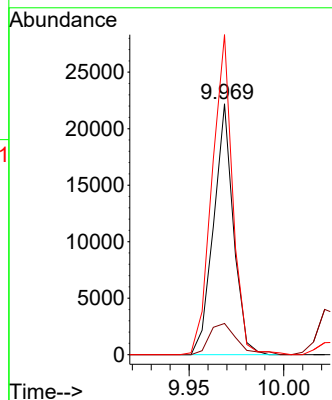
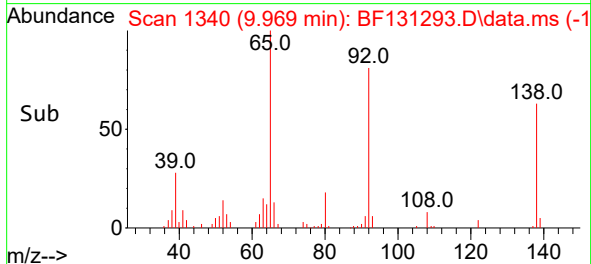


#53  
3-Nitroaniline  
Concen: 7.849 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

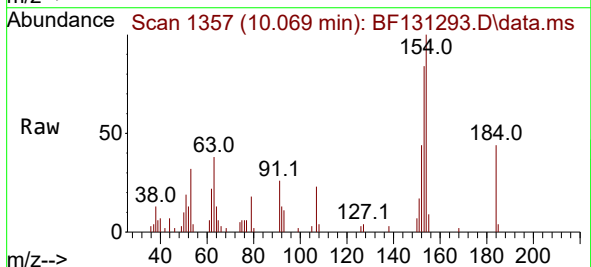
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



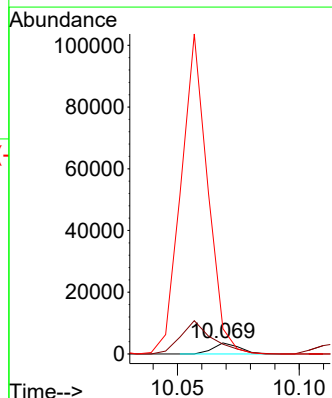
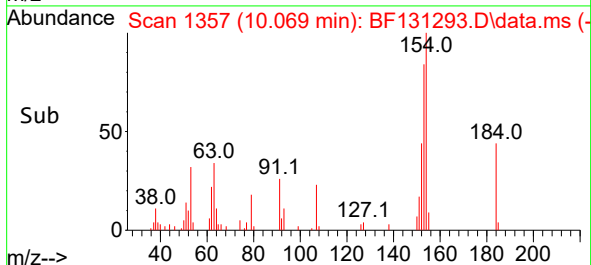
Tgt Ion:138 Resp: 16147  
Ion Ratio Lower Upper  
138 100  
108 12.5 11.1 16.7  
92 127.6 105.4 158.2

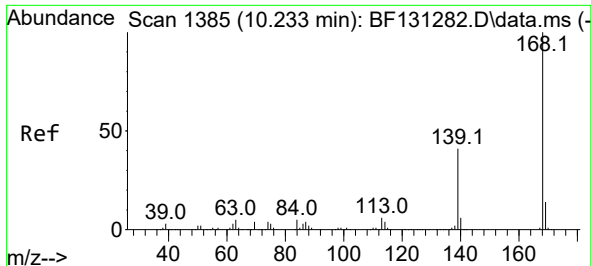


#54  
2,4-Dinitrophenol  
Concen: 3.889 ng  
RT: 10.069 min Scan# 1357  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54



Tgt Ion:184 Resp: 2663  
Ion Ratio Lower Upper  
184 100  
63 87.8 64.8 97.2  
154 228.5 58.0 87.0#

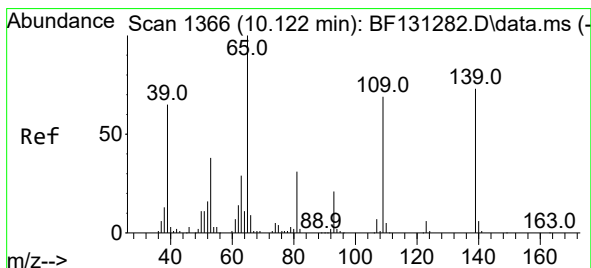
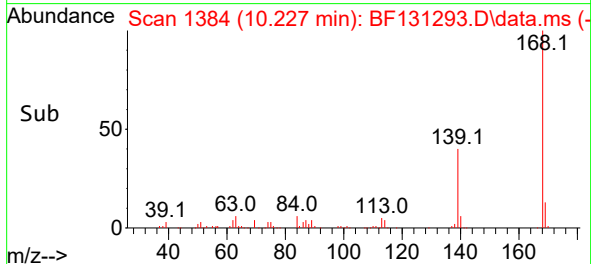
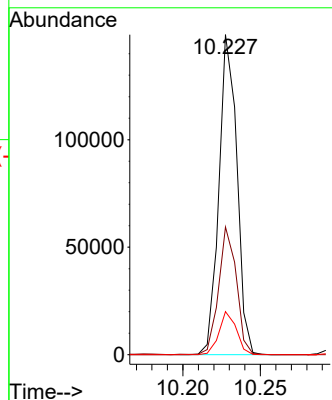
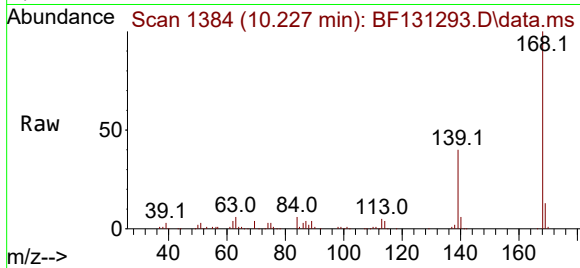




#55  
Dibenzenofuran  
Concen: 8.562 ng  
RT: 10.227 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

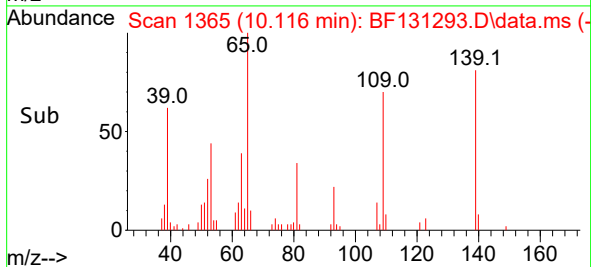
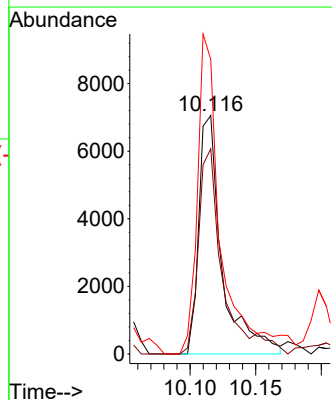
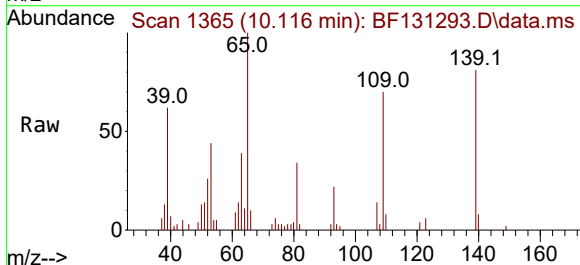
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

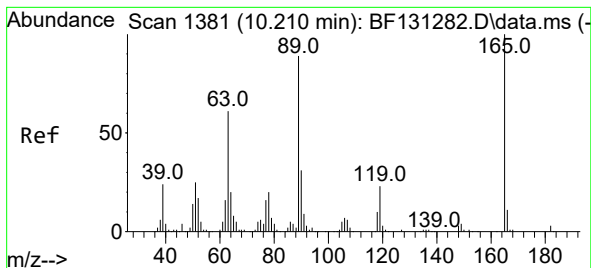
Tgt Ion:168 Resp: 119906  
Ion Ratio Lower Upper  
168 100  
139 39.9 33.2 49.8  
169 13.5 11.0 16.4



#56  
4-Nitrophenol  
Concen: 5.635 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:139 Resp: 8724  
Ion Ratio Lower Upper  
139 100  
109 86.0 74.2 114.2  
65 123.5 116.8 156.8

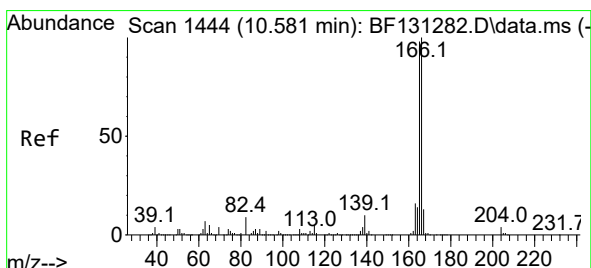
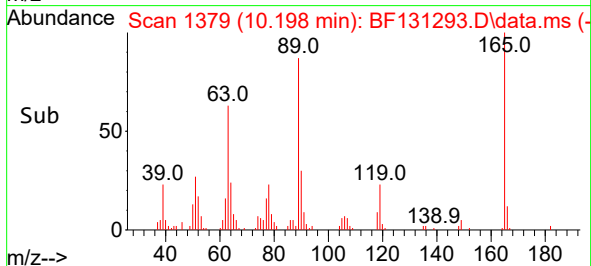
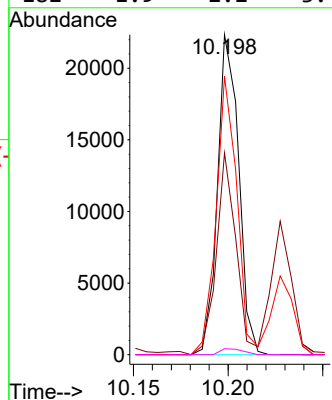
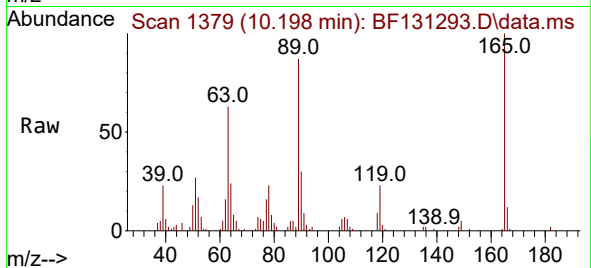




#57  
2,4-Dinitrotoluene  
Concen: 7.390 ng  
RT: 10.198 min Scan# 1379  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

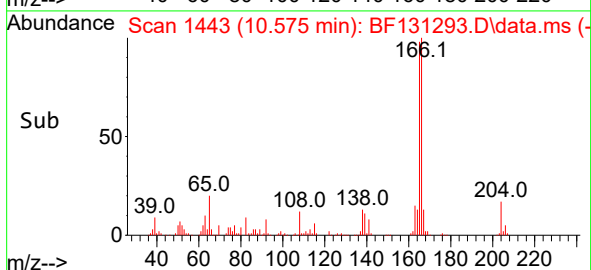
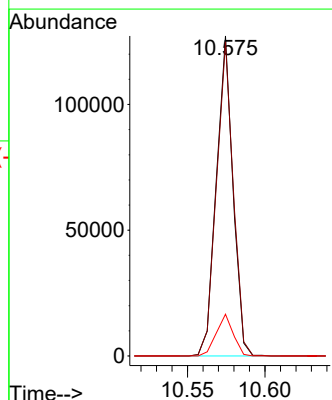
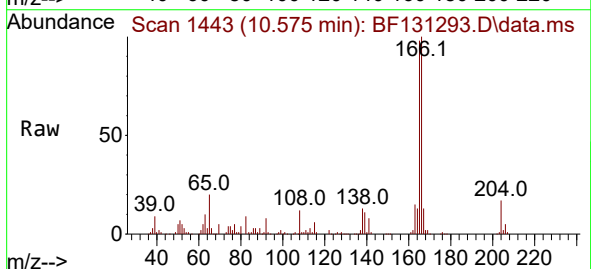
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

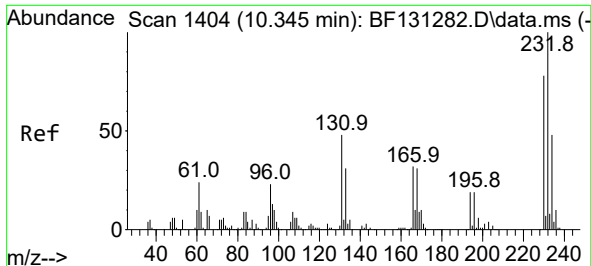
Tgt Ion:165 Resp: 17371  
Ion Ratio Lower Upper  
165 100  
63 63.0 49.0 73.6  
89 86.9 71.1 106.7  
182 1.9 2.2 3.4#



#58  
Fluorene  
Concen: 8.510 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:166 Resp: 94637  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.2 117.2  
167 13.1 10.6 15.8

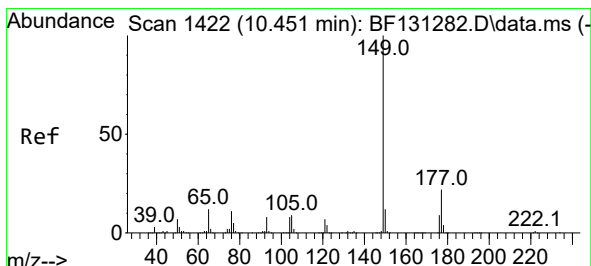
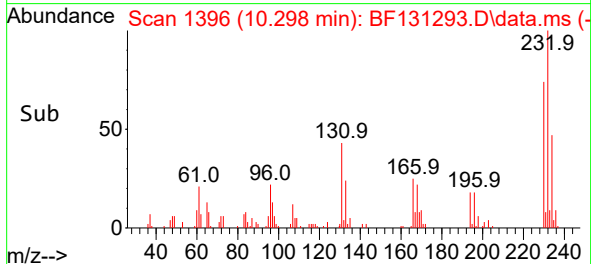
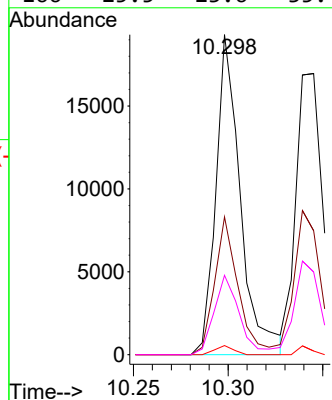
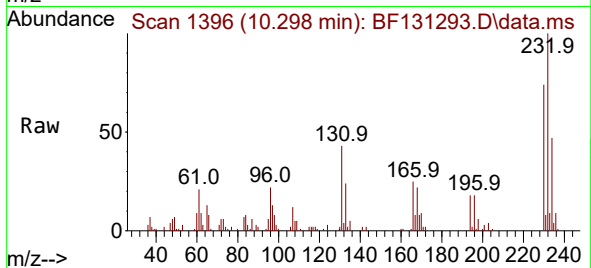




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 5.921 ng  
RT: 10.298 min Scan# 11  
Delta R.T. -0.047 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

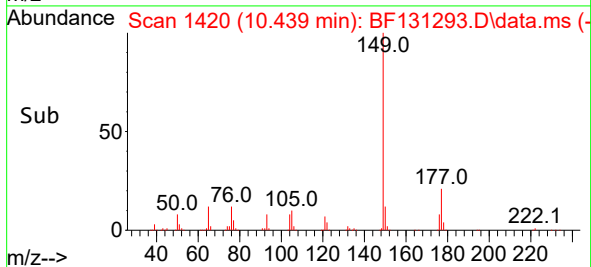
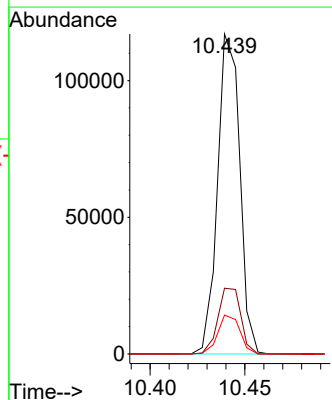
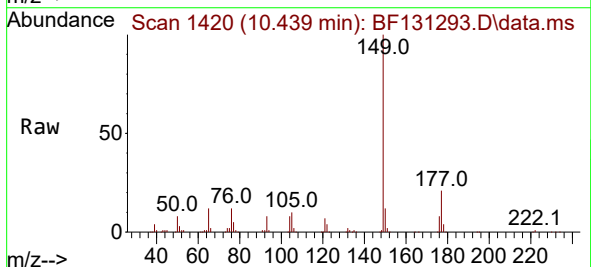
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

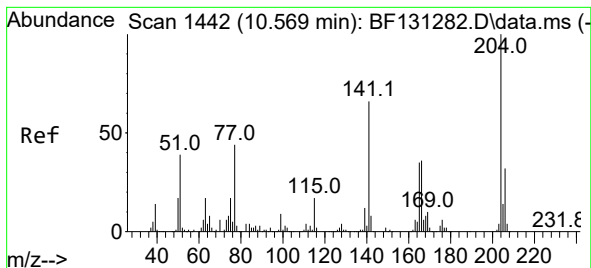
Tgt Ion:232 Resp: 17373  
Ion Ratio Lower Upper  
232 100  
131 41.2 36.0 54.0  
130 2.2 1.8 2.6  
166 25.5 23.6 35.4



#60  
Diethylphthalate  
Concen: 8.461 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:149 Resp: 95523  
Ion Ratio Lower Upper  
149 100  
177 20.6 17.9 26.9  
150 12.2 9.8 14.6

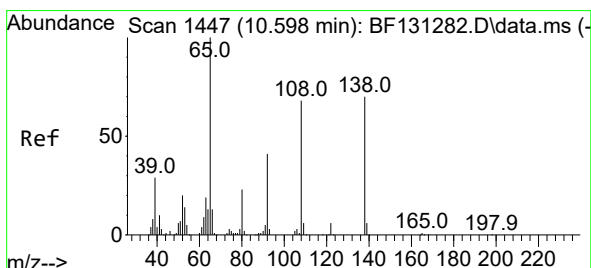
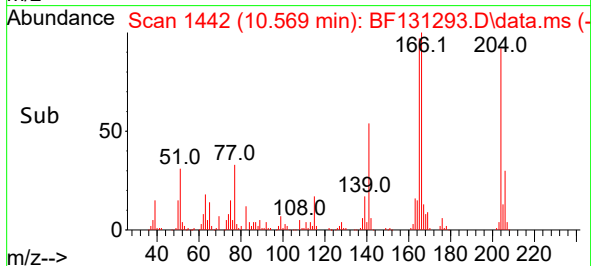
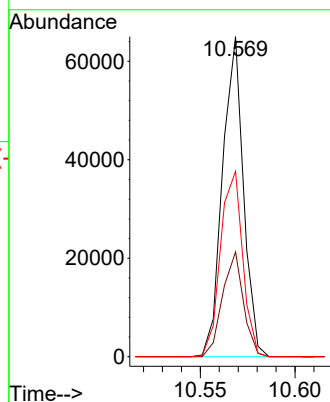
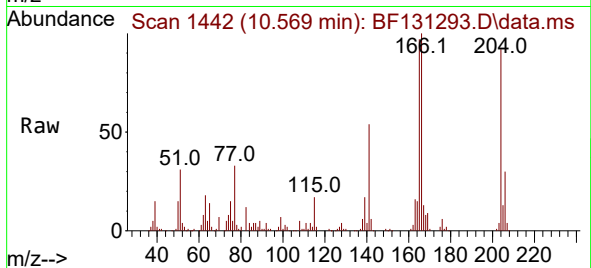




#61  
4-Chlorophenyl-phenylether  
Concen: 8.862 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

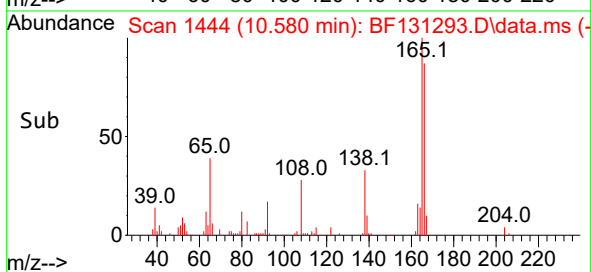
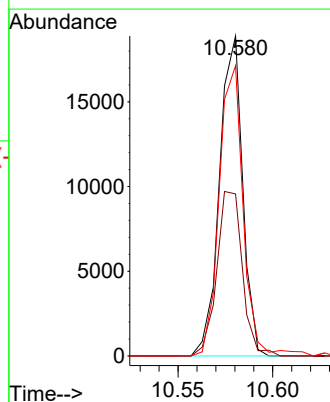
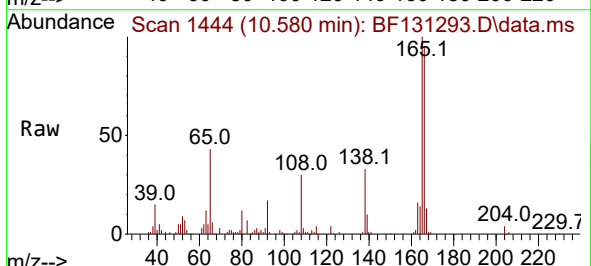
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

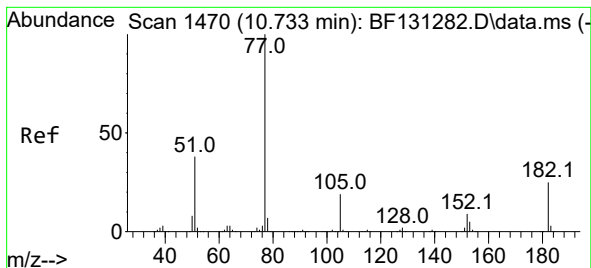
Tgt Ion:204 Resp: 49963  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.7 38.5  
141 57.9 53.1 79.7



#62  
4-Nitroaniline  
Concen: 7.675 ng  
RT: 10.580 min Scan# 1444  
Delta R.T. -0.018 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:138 Resp: 16042  
Ion Ratio Lower Upper  
138 100  
92 50.7 37.5 77.5  
108 90.7 76.3 116.3





#63

Azobenzene

Concen: 8.252 ng

RT: 10.727 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 77 Resp: 96759

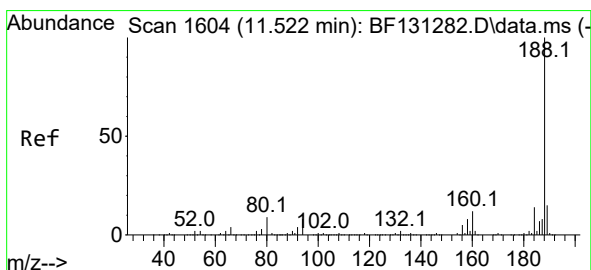
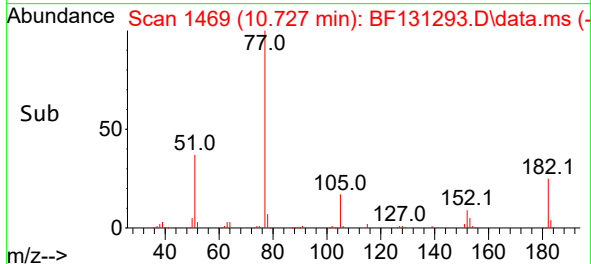
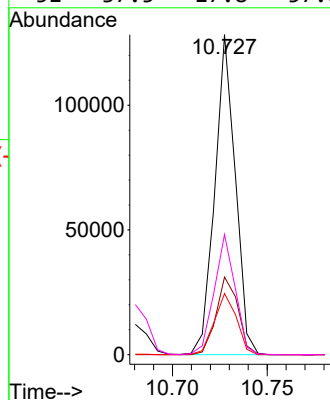
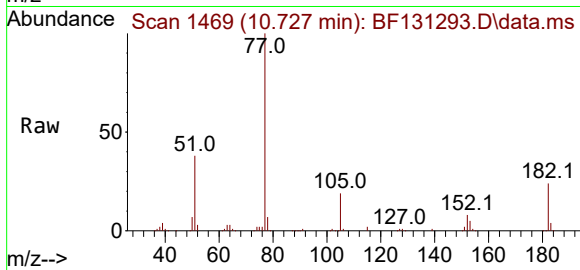
Ion Ratio Lower Upper

77 100

182 24.2 5.0 45.0

105 19.1 0.0 39.5

51 37.5 17.8 57.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.001 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

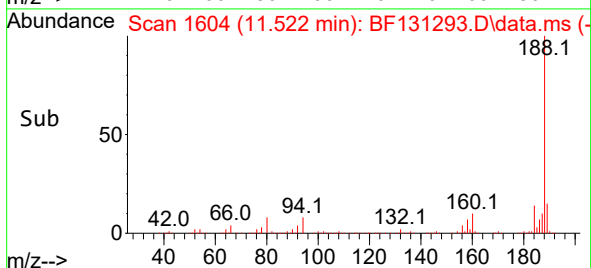
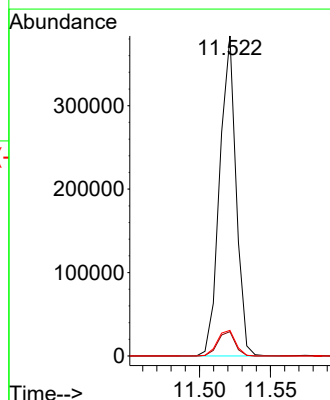
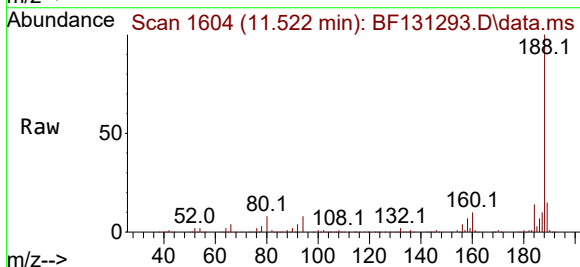
Tgt Ion:188 Resp: 307701

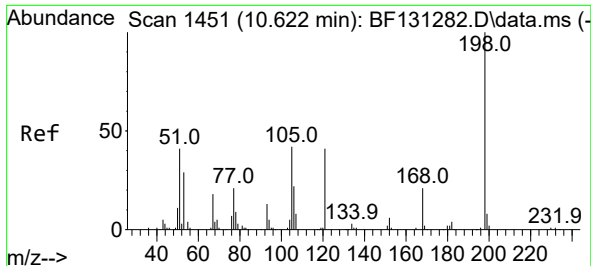
Ion Ratio Lower Upper

188 100

94 7.6 6.5 9.7

80 8.0 7.2 10.8

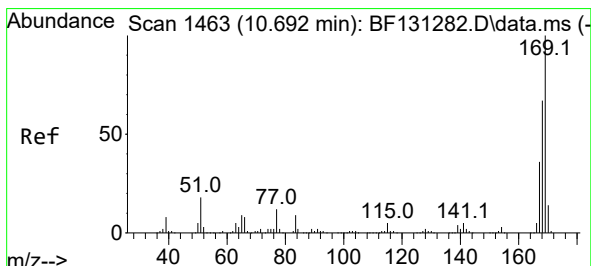
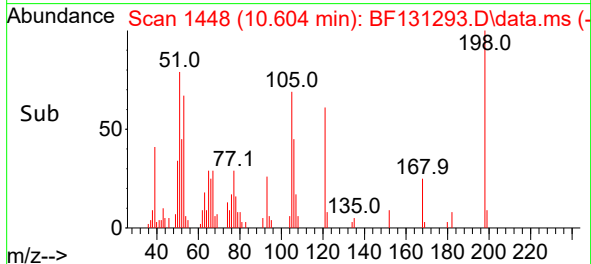
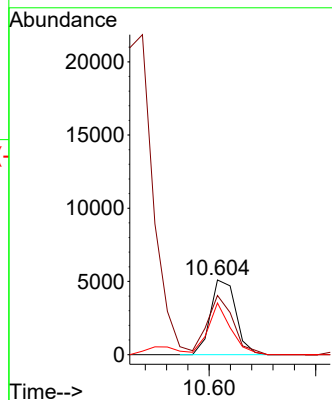
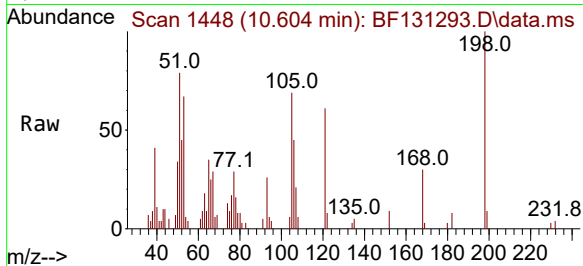




#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.967 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. -0.018 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

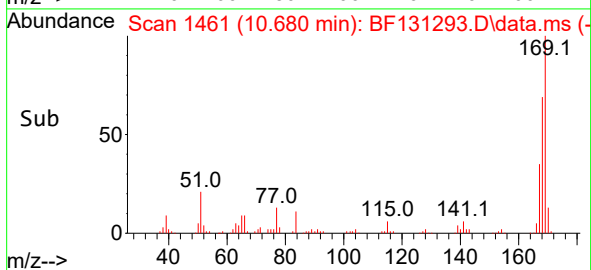
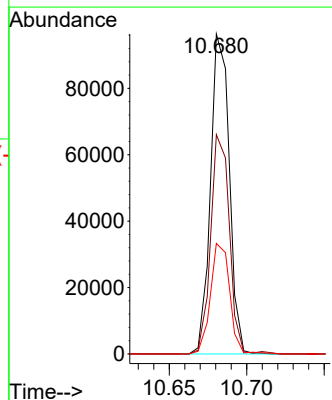
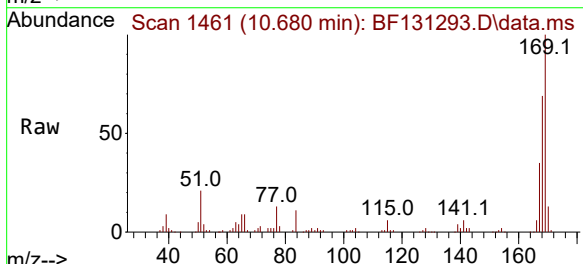
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

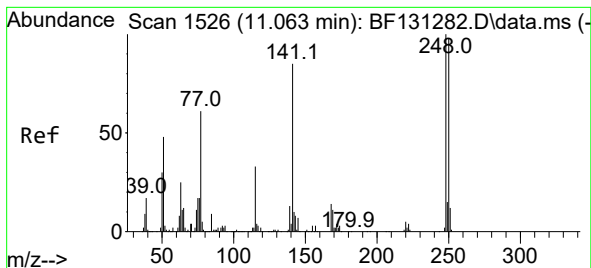
Tgt Ion:198 Resp: 4232  
Ion Ratio Lower Upper  
198 100  
51 79.2 35.7 75.7#  
105 69.1 23.3 63.3#



#66  
n-Nitrosodiphenylamine  
Concen: 8.182 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:169 Resp: 81127  
Ion Ratio Lower Upper  
169 100  
168 68.5 53.8 80.6  
167 34.5 28.9 43.3





#67

4-Bromophenyl-phenylether

Concen: 8.141 ng

RT: 11.063 min Scan# 1526

Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

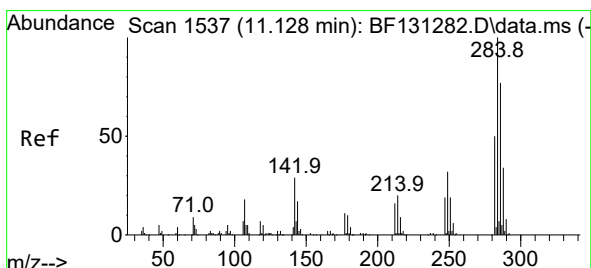
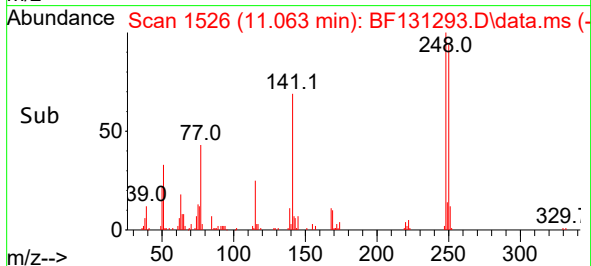
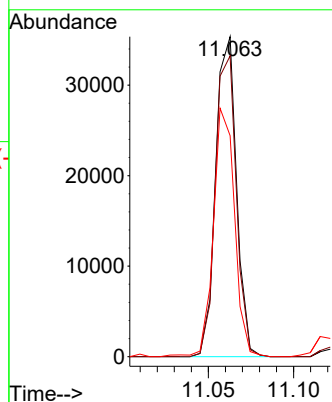
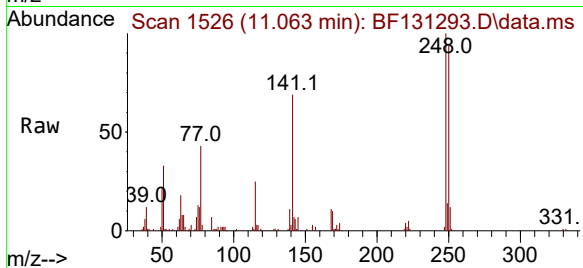
Tgt Ion:248 Resp: 30057

Ion Ratio Lower Upper

248 100

250 94.0 78.3 117.5

141 69.1 67.6 101.4



#68

Hexachlorobenzene

Concen: 8.220 ng

RT: 11.122 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

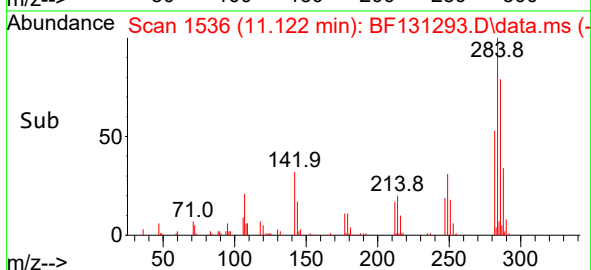
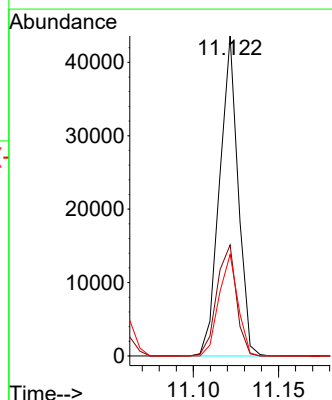
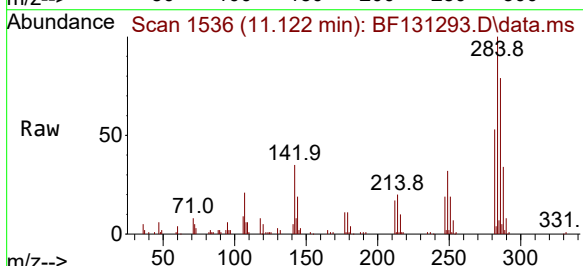
Tgt Ion:284 Resp: 32927

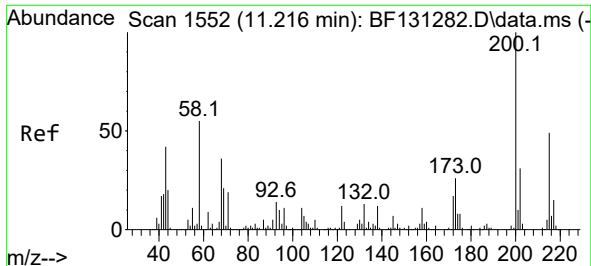
Ion Ratio Lower Upper

284 100

142 34.7 23.4 35.2

249 31.8 25.7 38.5

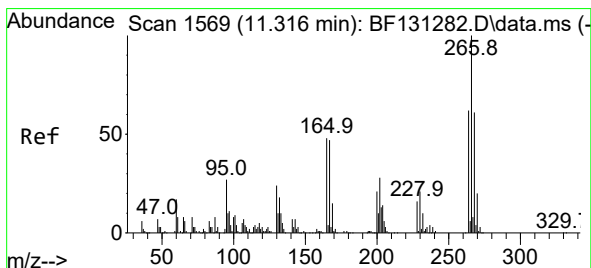
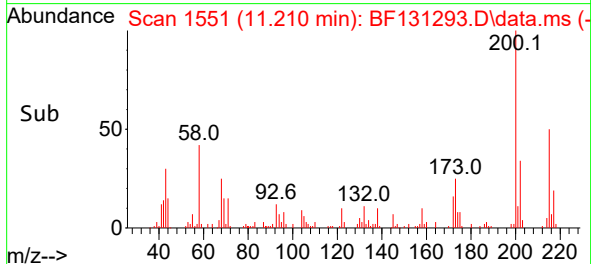
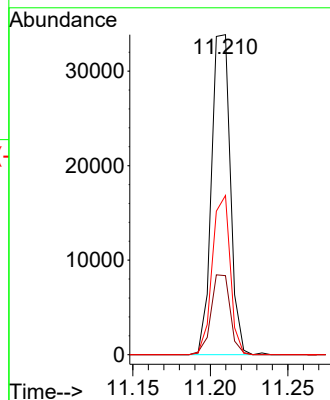
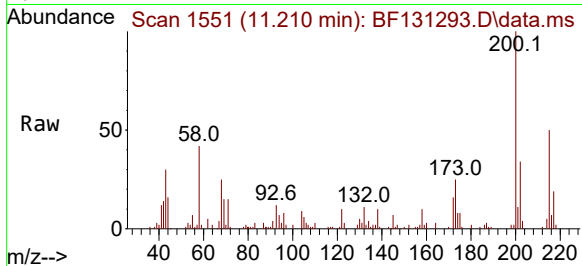




#69  
Atrazine  
Concen: 9.049 ng  
RT: 11.210 min Scan# 1551  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

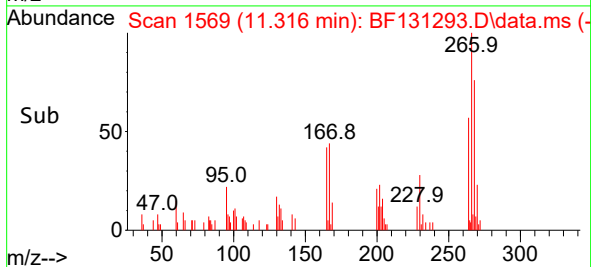
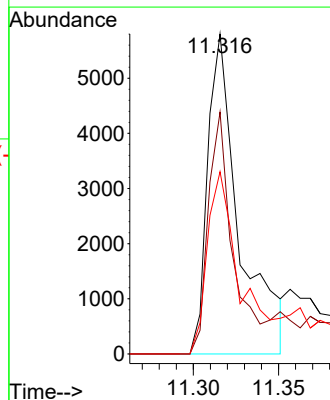
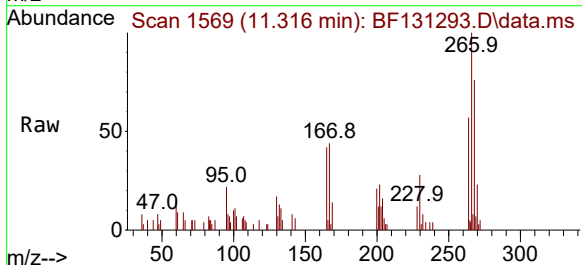
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

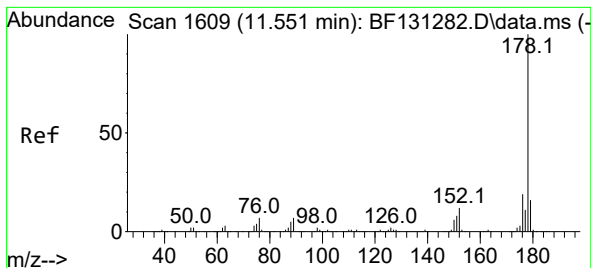
Tgt Ion:200 Resp: 28626  
Ion Ratio Lower Upper  
200 100  
173 24.7 6.0 46.0  
215 49.7 29.0 69.0



#70  
Pentachlorophenol  
Concen: 3.505 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:266 Resp: 7502  
Ion Ratio Lower Upper  
266 100  
268 75.6 49.0 73.4#  
264 61.7 49.7 74.5





#71

Phenanthrene

Concen: 8.187 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

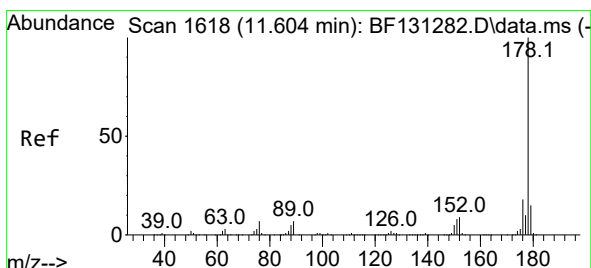
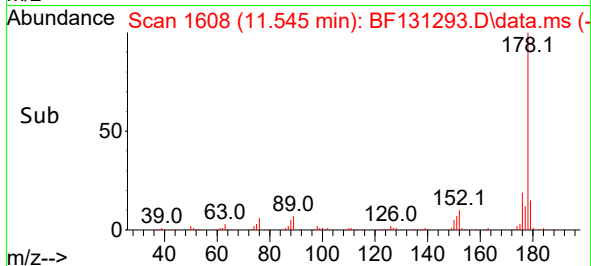
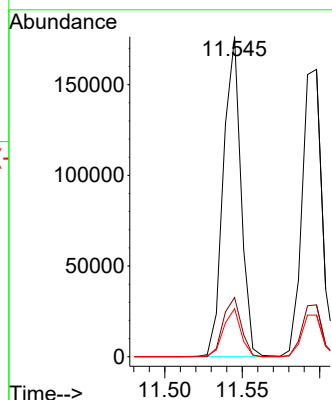
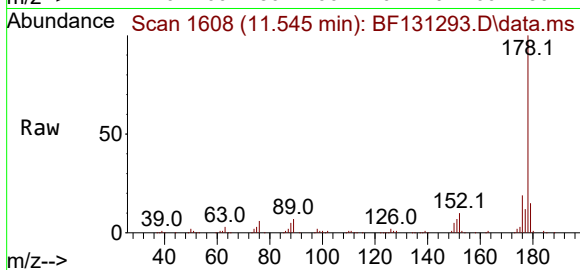
Tgt Ion:178 Resp: 139299

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

179 15.0 12.4 18.6



#72

Anthracene

Concen: 8.545 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

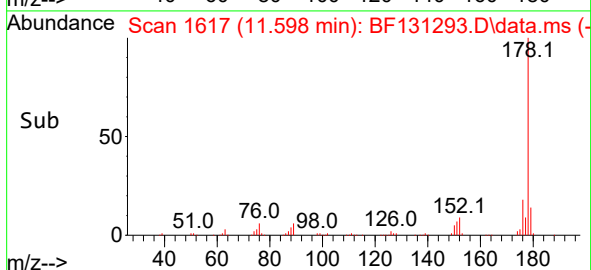
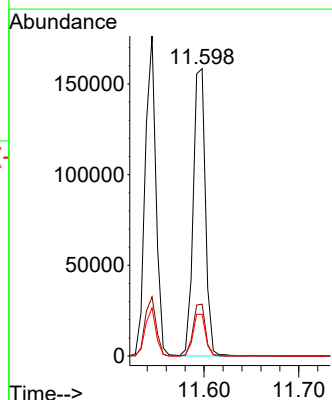
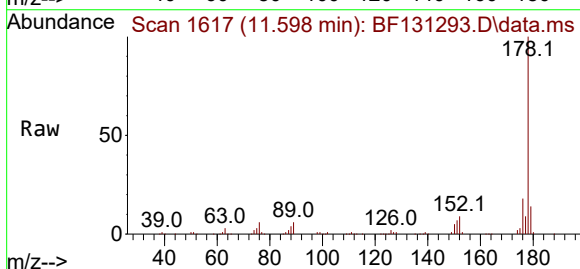
Tgt Ion:178 Resp: 142174

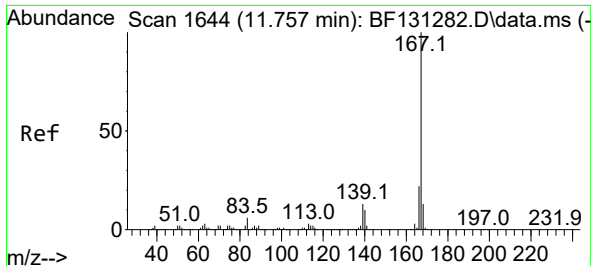
Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

179 14.5 12.0 18.0

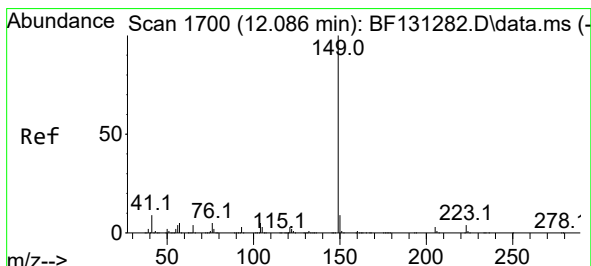
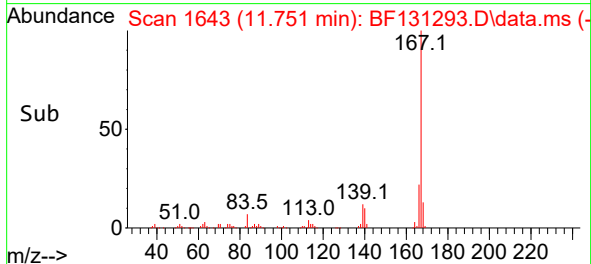
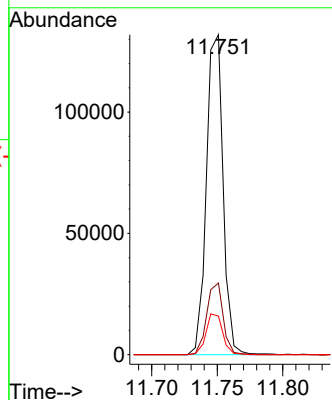
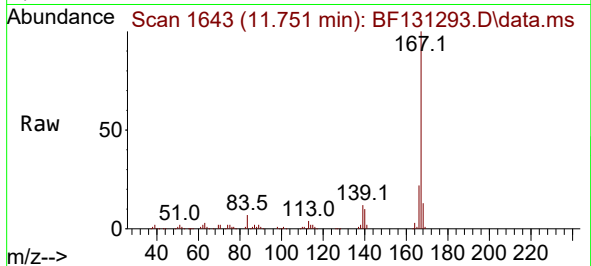




#73  
 Carbazole  
 Concen: 8.378 ng  
 RT: 11.751 min Scan# 1643  
 Delta R.T. -0.006 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

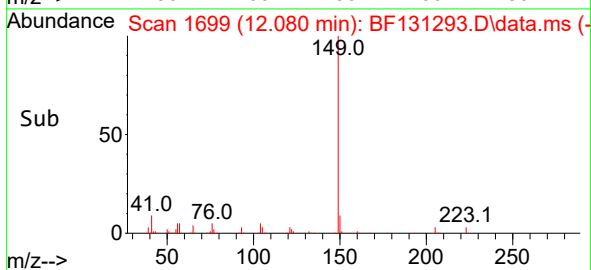
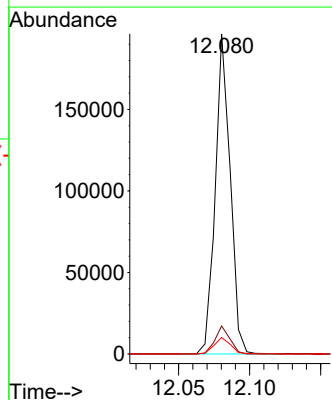
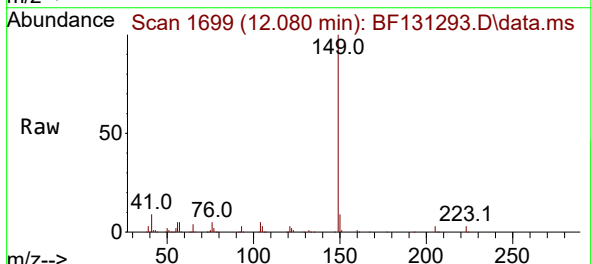
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

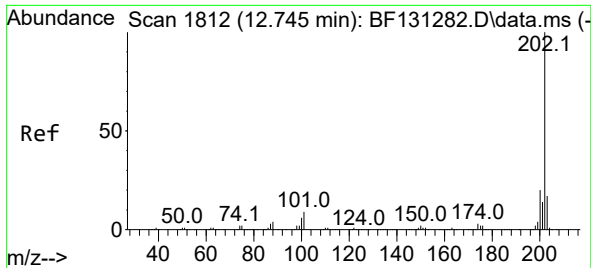
Tgt Ion:167 Resp: 117180  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.4 26.2  
 139 12.0 10.2 15.4



#74  
 Di-n-butylphthalate  
 Concen: 8.465 ng  
 RT: 12.080 min Scan# 1699  
 Delta R.T. -0.006 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

Tgt Ion:149 Resp: 142959  
 Ion Ratio Lower Upper  
 149 100  
 150 8.7 7.1 10.7  
 104 5.1 4.3 6.5

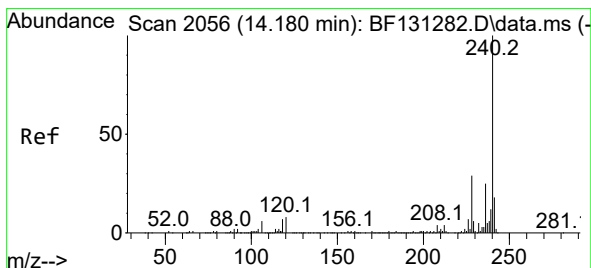
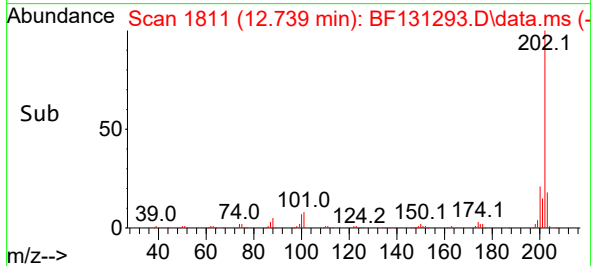
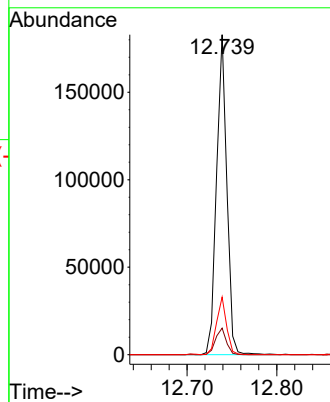
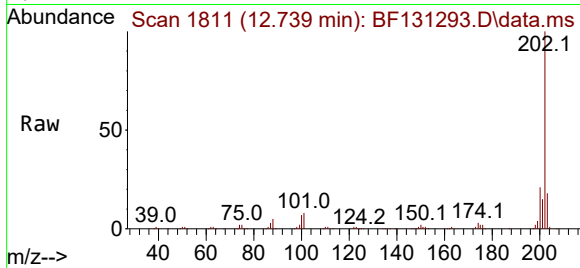




#75  
Fluoranthene  
Concen: 8.266 ng  
RT: 12.739 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

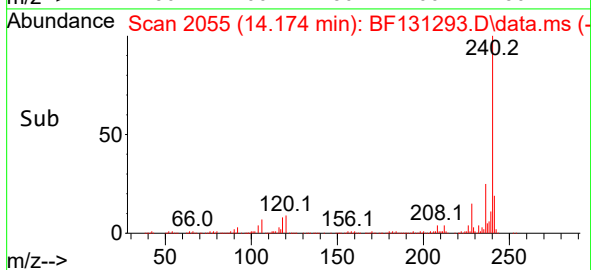
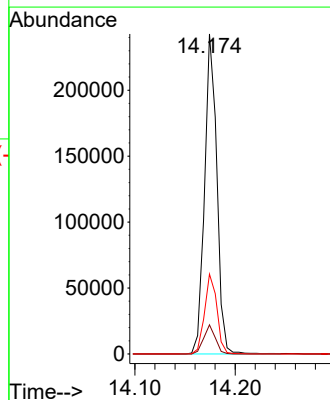
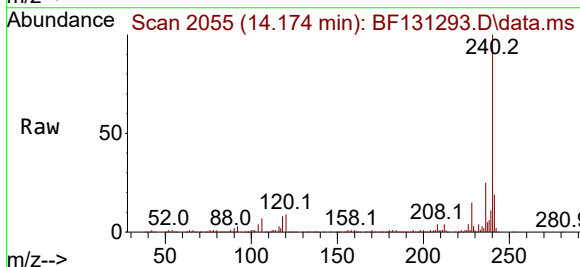
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

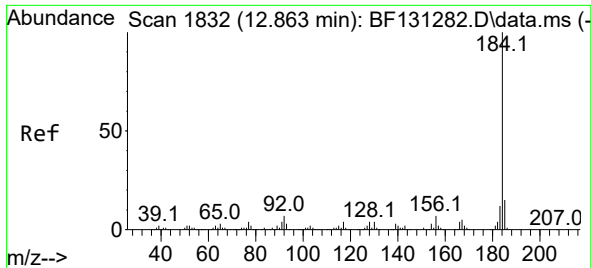
Tgt Ion:202 Resp: 145952  
Ion Ratio Lower Upper  
202 100  
101 8.3 0.0 28.5  
203 18.0 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.174 min Scan# 2055  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:240 Resp: 206828  
Ion Ratio Lower Upper  
240 100  
120 9.1 6.2 9.2  
236 24.9 19.8 29.6

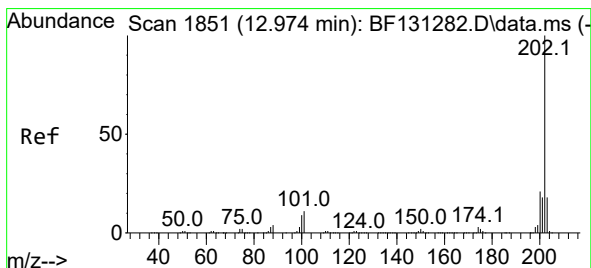
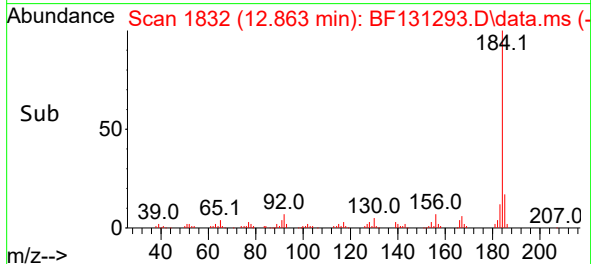
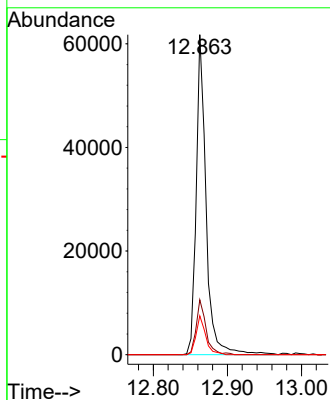
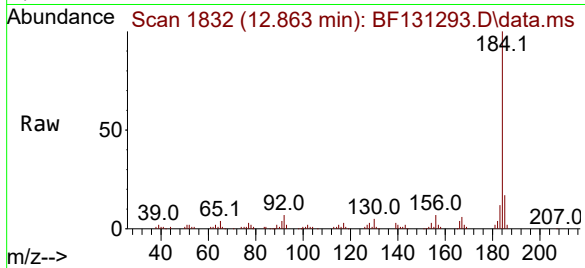




#77  
Benzidine  
Concen: 12.214 ng  
RT: 12.863 min Scan# 1832  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

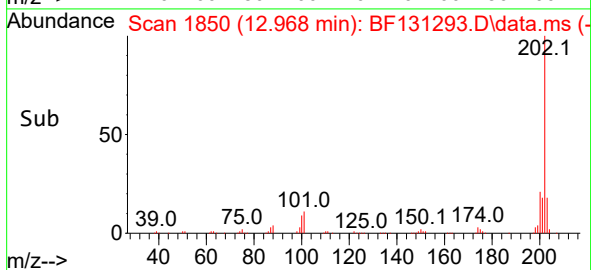
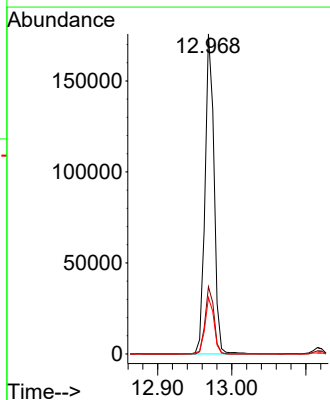
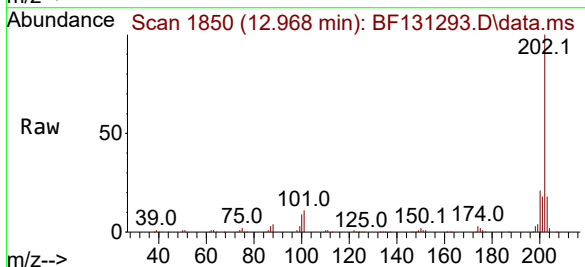
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

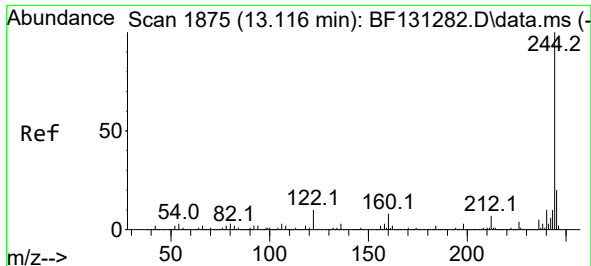
Tgt Ion:184 Resp: 57138  
Ion Ratio Lower Upper  
184 100  
185 17.2 12.3 18.5  
183 12.2 9.3 13.9



#78  
Pyrene  
Concen: 7.480 ng  
RT: 12.968 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:202 Resp: 148855  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.2 25.8  
203 17.6 14.3 21.5

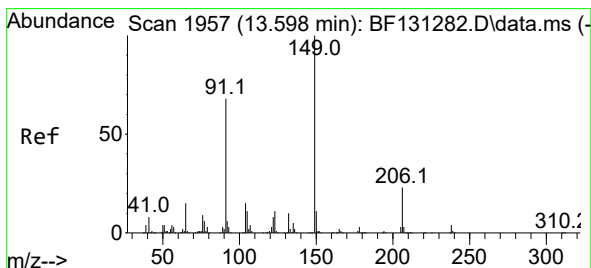
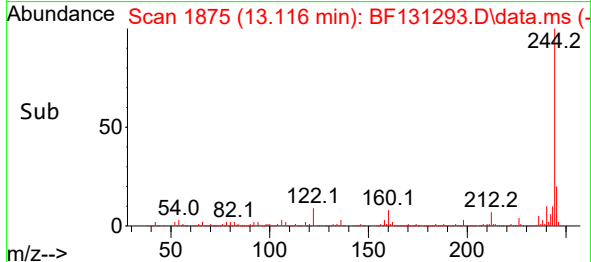
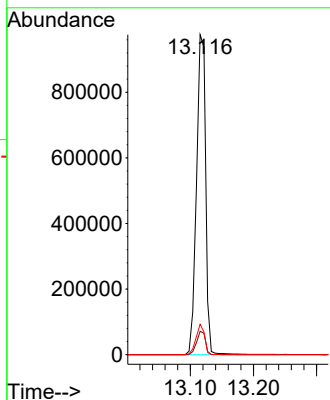
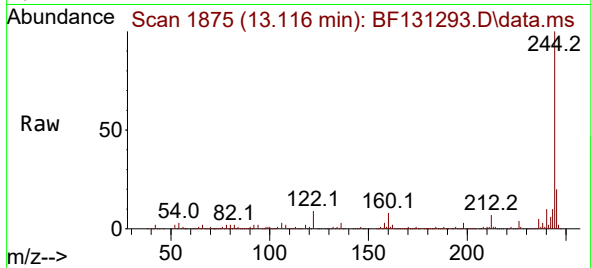




#79  
 Terphenyl-d14  
 Concen: 70.754 ng  
 RT: 13.116 min Scan# 1875  
 Delta R.T. -0.000 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

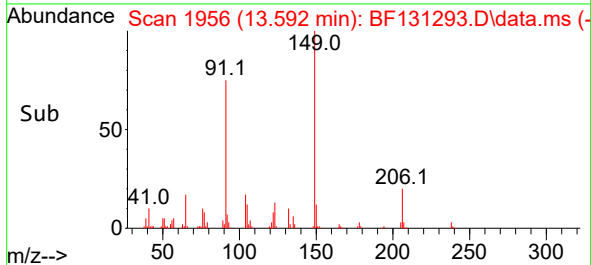
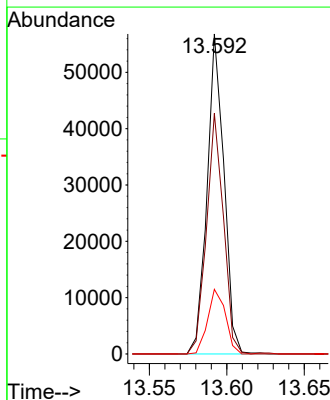
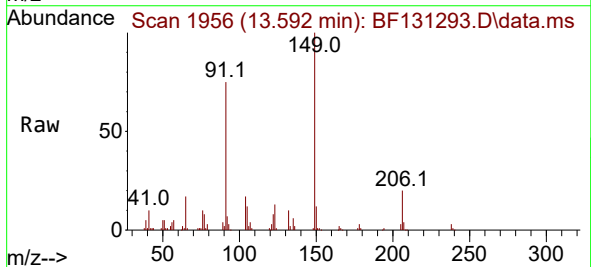
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

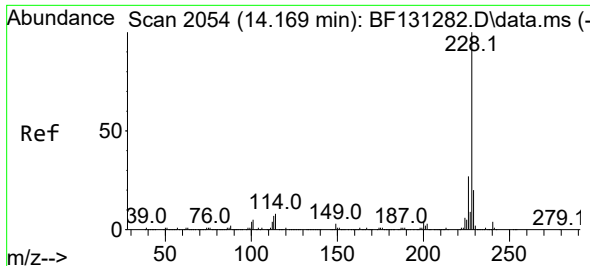
Tgt Ion:244 Resp: 979001  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.6  
 122 9.5 7.8 11.8



#80  
 Butylbenzylphthalate  
 Concen: 7.147 ng  
 RT: 13.592 min Scan# 1956  
 Delta R.T. -0.006 min  
 Lab File: BF131293.D  
 Acq: 18 Nov 2022 10:54

Tgt Ion:149 Resp: 43019  
 Ion Ratio Lower Upper  
 149 100  
 91 75.2 54.6 82.0  
 206 20.2 18.1 27.1





#81

Benzo(a)anthracene

Concen: 7.939 ng

RT: 14.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

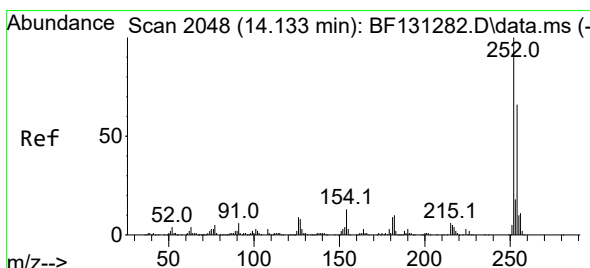
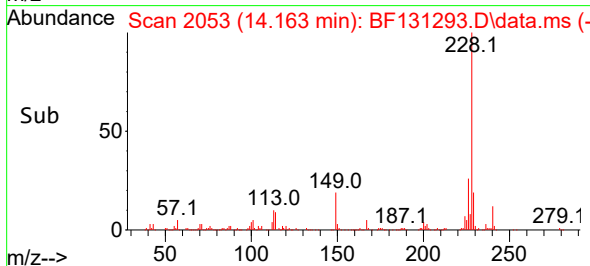
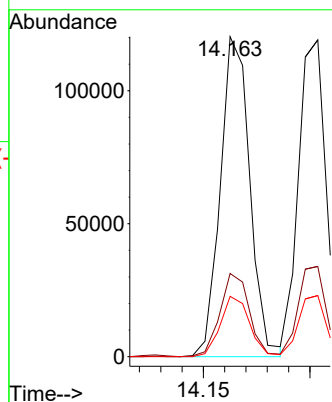
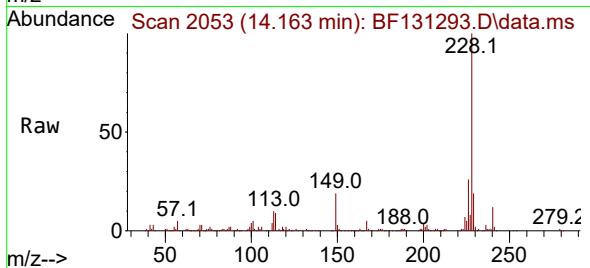
Tgt Ion:228 Resp: 115766

Ion Ratio Lower Upper

228 100

226 26.0 21.5 32.3

229 18.8 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 8.226 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

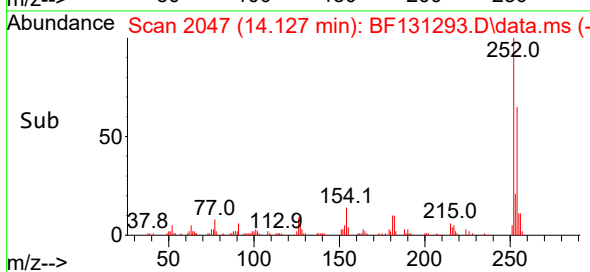
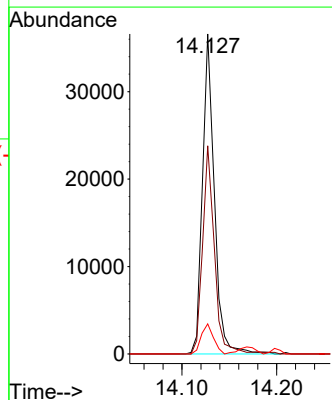
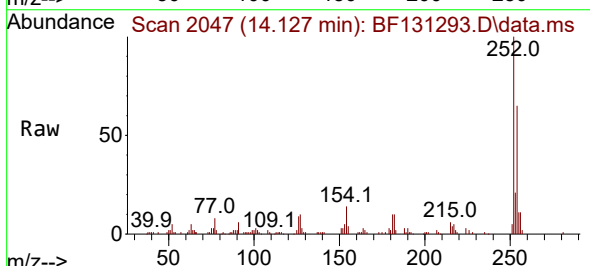
Tgt Ion:252 Resp: 31845

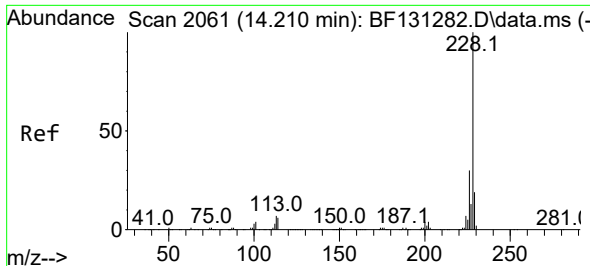
Ion Ratio Lower Upper

252 100

254 65.0 52.6 78.8

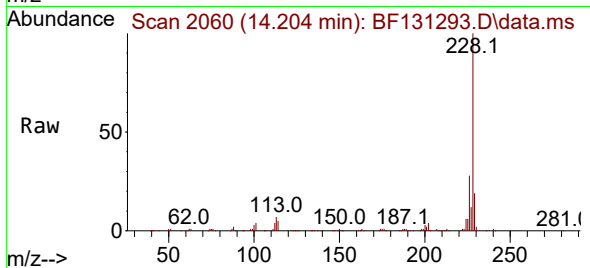
126 9.4 7.0 10.6



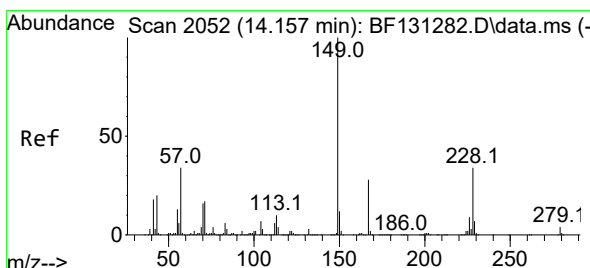
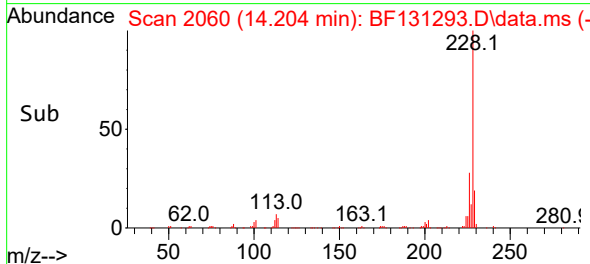
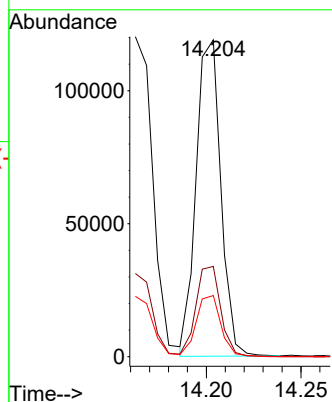


#83  
Chrysene  
Concen: 7.761 ng  
RT: 14.204 min Scan# 2060  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

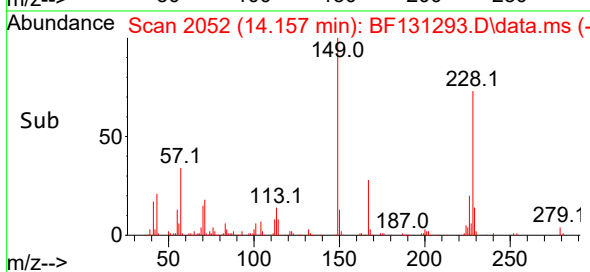
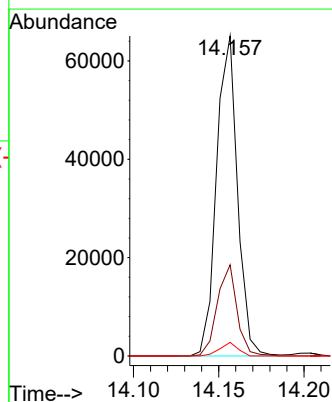
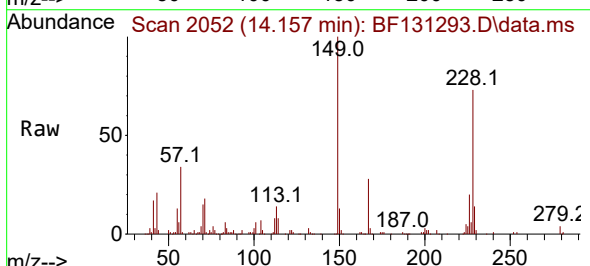


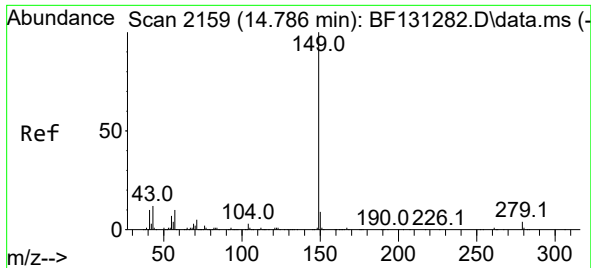
Tgt Ion:228 Resp: 108234  
Ion Ratio Lower Upper  
228 100  
226 28.5 23.8 35.6  
229 19.3 15.2 22.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.930 ng  
RT: 14.157 min Scan# 2052  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:149 Resp: 55566  
Ion Ratio Lower Upper  
149 100  
167 28.5 22.2 33.4  
279 4.3 3.4 5.2

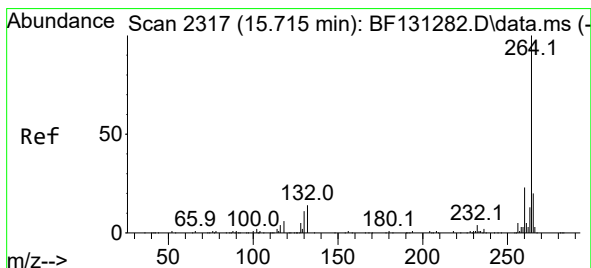
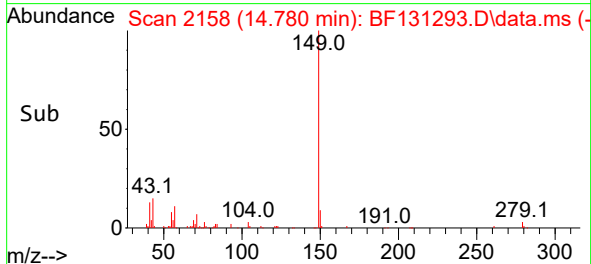
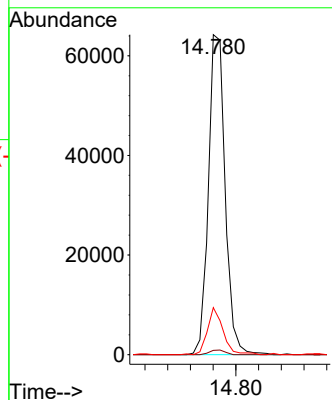
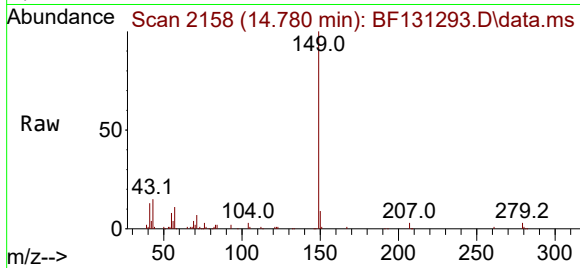




#85  
Di-n-octyl phthalate  
Concen: 6.606 ng  
RT: 14.780 min Scan# 2159  
Delta R.T. -0.006 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

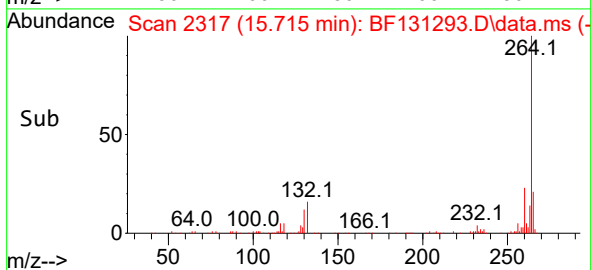
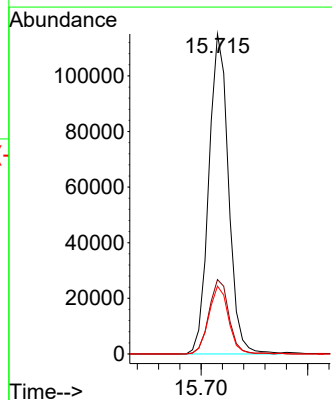
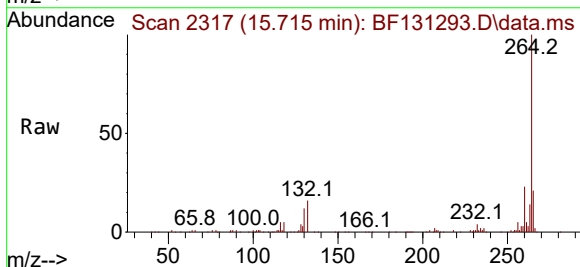
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

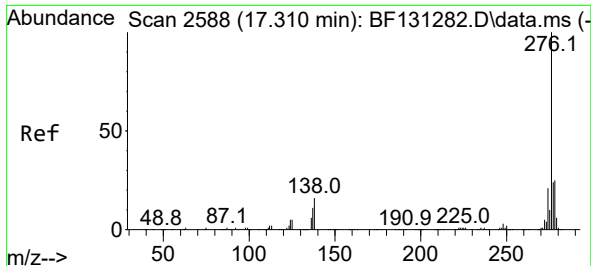
Tgt Ion:149 Resp: 65705  
Ion Ratio Lower Upper  
149 100  
167 1.3 1.2 1.8  
43 13.8 10.6 16.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.715 min Scan# 2317  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:264 Resp: 147640  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.7 28.1  
265 21.2 16.2 24.4

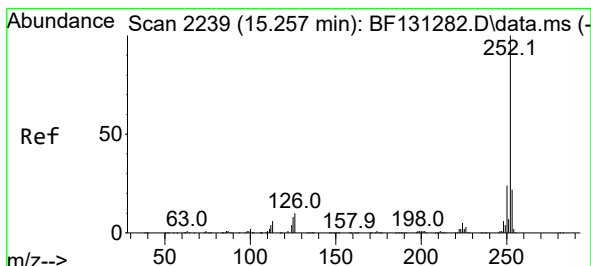
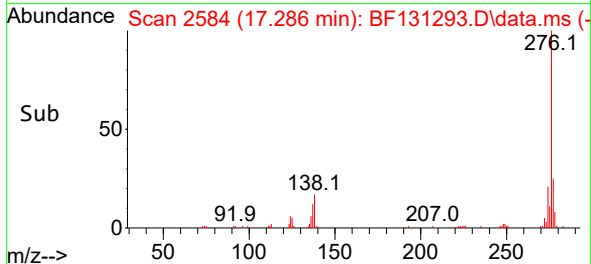
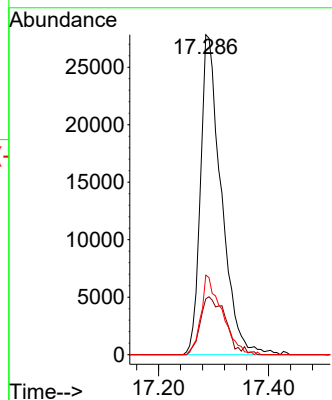
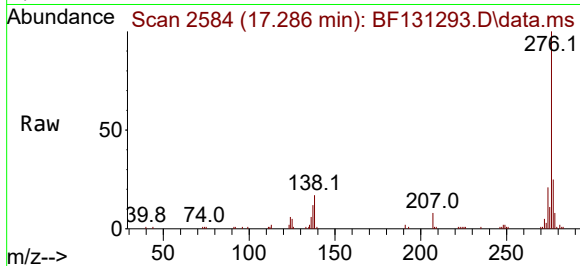




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.519 ng  
RT: 17.286 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

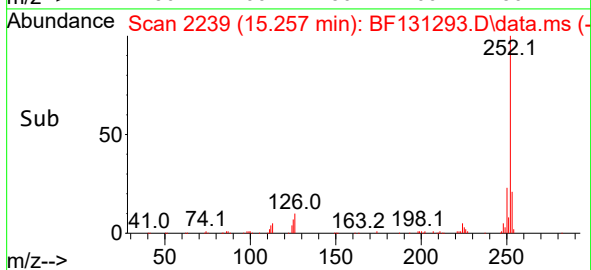
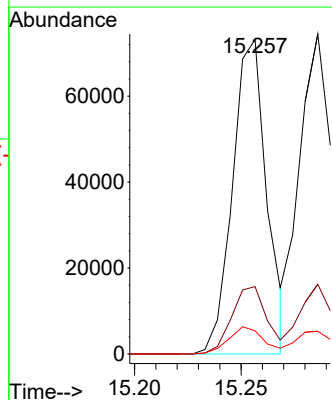
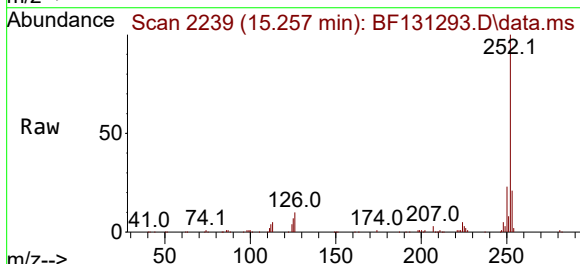
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

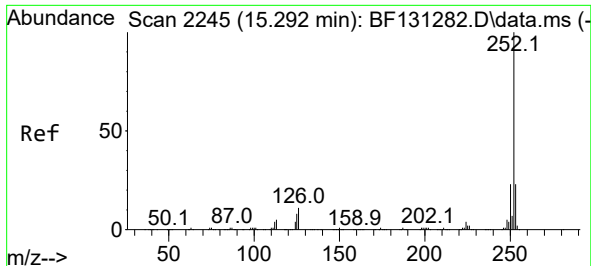
Tgt Ion:276 Resp: 72990  
Ion Ratio Lower Upper  
276 100  
138 22.2 15.1 22.7  
277 25.1 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 8.229 ng  
RT: 15.257 min Scan# 2239  
Delta R.T. -0.000 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:252 Resp: 81765  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.0  
125 7.4 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 8.160 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

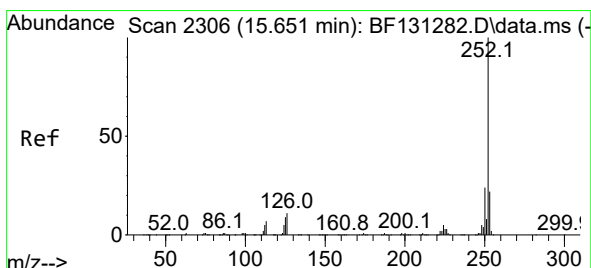
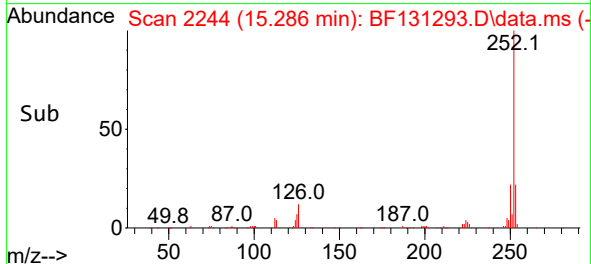
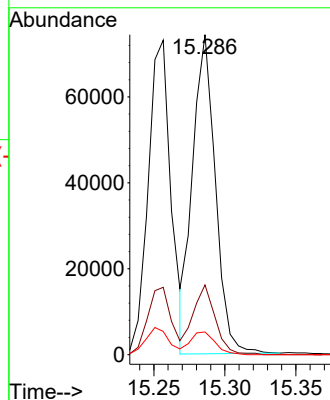
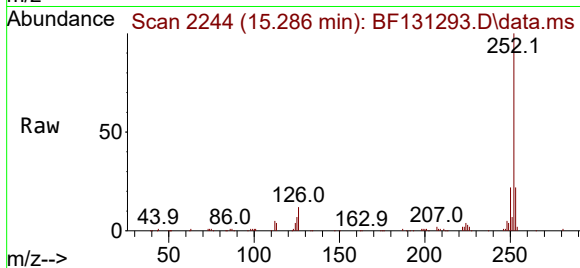
Tgt Ion:252 Resp: 82874

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

125 7.1 6.5 9.7



#90

Benzo(a)pyrene

Concen: 8.072 ng

RT: 15.651 min Scan# 2306

Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

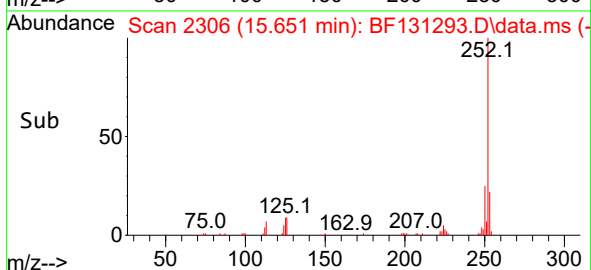
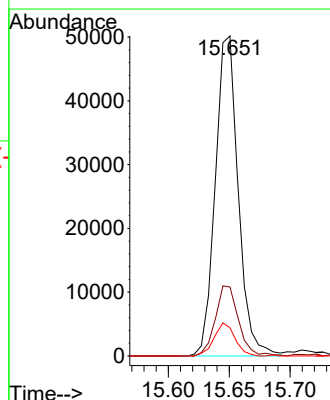
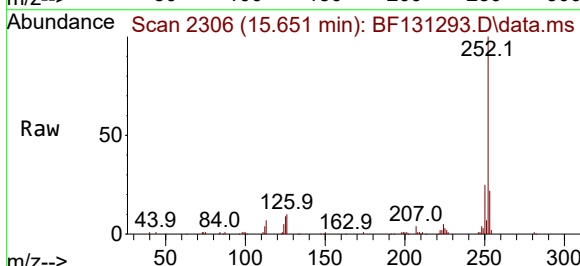
Tgt Ion:252 Resp: 65856

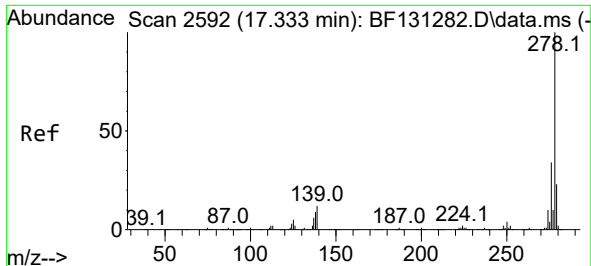
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 8.8 7.2 10.8

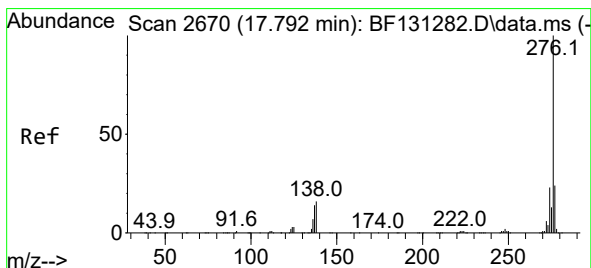
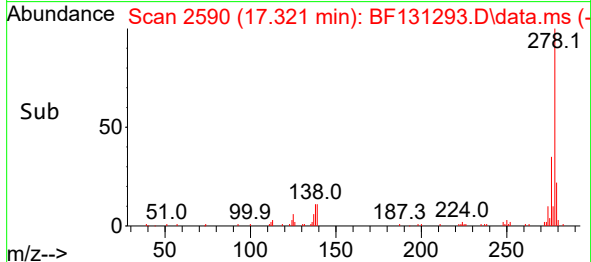
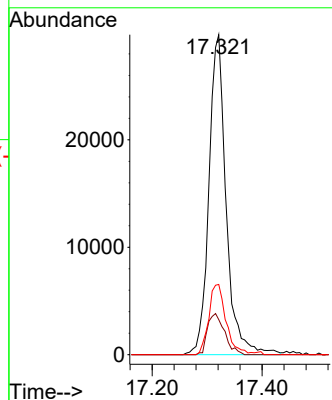
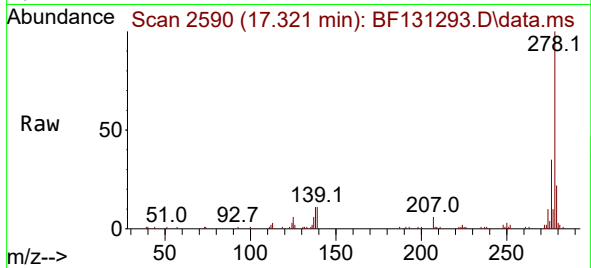




#91  
Dibenzo(a,h)anthracene  
Concen: 7.036 ng  
RT: 17.321 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:278 Resp: 64836  
Ion Ratio Lower Upper  
278 100  
139 11.0 10.0 15.0  
279 22.0 18.6 27.8



#92  
Benzo(g,h,i)perylene  
Concen: 6.946 ng  
RT: 17.768 min Scan# 2666  
Delta R.T. -0.024 min  
Lab File: BF131293.D  
Acq: 18 Nov 2022 10:54

Tgt Ion:276 Resp: 64705  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.4 29.0  
138 18.5 13.0 19.6

