

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072222\  
 Data File : BF129308.D  
 Acq On : 22 Jul 2022 10:18  
 Operator : CG\JU  
 Sample : N3214-03  
 Misc : MDL-MDL-SOIL 8ppm  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 22 10:58:01 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 13:42:18 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 139027   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 532235   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.934  | 164  | 280368   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.422 | 188  | 488003   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.069 | 240  | 367735   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.563 | 264  | 274738   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 941447   | 110.449 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 1254423  | 115.446 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 882384   | 89.193  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 353242   | 130.590 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1551324  | 85.120  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1579237  | 79.982  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 26129    | 6.913   | ng    | 90       |
| 3) Pyridine                   | 3.558  | 79   | 58289    | 5.586   | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 33110    | 7.067   | ng    | 89       |
| 6) Aniline                    | 6.557  | 93   | 109591   | 8.197   | ng    | 98       |
| 8) 2-Chlorophenol             | 6.681  | 128  | 73194    | 7.833   | ng    | 94       |
| 9) Benzaldehyde               | 6.446  | 77   | 61587    | 8.263   | ng    | 95       |
| 10) Phenol                    | 6.534  | 94   | 86009    | 7.532   | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 67228    | 7.437   | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 79155    | 7.860   | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 79864    | 7.837   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 74682    | 7.931   | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 72965    | 9.256   | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 98602    | 7.155   | ng    | 93       |
| 17) 2-Methylphenol            | 7.134  | 107  | 56951    | 7.478   | ng    | 96       |
| 18) Hexachloroethane          | 7.404  | 117  | 30190    | 7.896   | ng    | # 88     |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 51480    | 7.952   | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 74533    | 7.504   | ng    | # 83     |
| 22) Acetophenone              | 7.298  | 105  | 105896   | 8.474   | ng    | 98       |
| 24) Nitrobenzene              | 7.475  | 77   | 82036    | 8.051   | ng    | 98       |
| 25) Isophorone                | 7.704  | 82   | 139286   | 8.019   | ng    | 98       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 37311    | 7.589   | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 62319    | 8.426   | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 84016    | 8.350   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 57058    | 7.417   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 64438    | 8.059   | ng    | 93       |
| 31) Naphthalene               | 8.198  | 128  | 215298   | 7.887   | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 19367    | 3.582   | ng    | 96       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 87880    | 7.893   | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 38165    | 8.351   | ng    | 95       |
| 35) Caprolactam               | 8.581  | 113  | 18605    | 7.583   | ng    | # 76     |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 63872    | 7.815   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 142361   | 8.048   | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 132162   | 7.723   | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 62590    | 8.504   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.040  | 237  | 27623    | 8.514   | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 40025    | 7.441   | ng    | 97       |

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 ALS Vial : 4 Sample Multiplier: 1

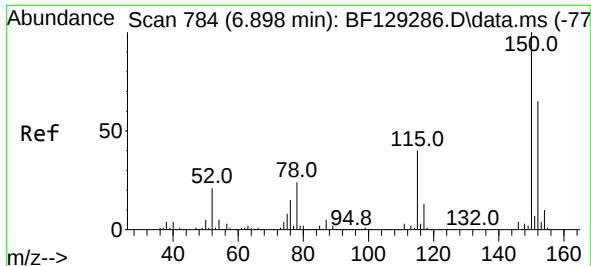
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 22 10:58:01 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072022.M  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 44147    | 7.566 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 174636   | 8.429 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.381  | 162  | 132322   | 7.974 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 41556    | 7.456 | ng    | 97       |
| 49) Acenaphthylene            | 9.792  | 152  | 216223   | 8.485 | ng    | 99       |
| 50) Dimethylphthalate         | 9.645  | 163  | 154325   | 8.012 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 33596    | 7.790 | ng    | 92       |
| 52) Acenaphthene              | 9.963  | 154  | 129697   | 7.842 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 37350    | 7.278 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 10867    | 4.979 | ng #  | 85       |
| 55) Dibenzofuran              | 10.139 | 168  | 190508   | 8.289 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 25008    | 6.673 | ng    | 84       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 44937    | 7.948 | ng    | 89       |
| 58) Fluorene                  | 10.481 | 166  | 148441   | 8.092 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 31186    | 6.933 | ng    | 94       |
| 60) Diethylphthalate          | 10.345 | 149  | 150309   | 8.111 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204  | 66046    | 8.230 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 35869    | 7.077 | ng    | 97       |
| 63) Azobenzene                | 10.634 | 77   | 150655   | 7.858 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 18418    | 6.136 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 128305   | 7.953 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 41665    | 7.913 | ng    | 92       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 46695    | 8.097 | ng    | 96       |
| 69) Atrazine                  | 11.110 | 200  | 40944    | 8.304 | ng    | 94       |
| 70) Pentachlorophenol         | 11.222 | 266  | 19615    | 6.187 | ng    | 95       |
| 71) Phenanthrene              | 11.445 | 178  | 217526   | 8.121 | ng    | 98       |
| 72) Anthracene                | 11.498 | 178  | 219381   | 8.266 | ng    | 99       |
| 73) Carbazole                 | 11.651 | 167  | 200983   | 8.118 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 226161   | 7.906 | ng    | 99       |
| 75) Fluoranthene              | 12.639 | 202  | 221403   | 8.111 | ng    | 98       |
| 77) Benzidine                 | 12.757 | 184  | 113648   | 7.755 | ng    | 99       |
| 78) Pyrene                    | 12.869 | 202  | 225392   | 7.166 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.480 | 149  | 85425    | 6.656 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 183796   | 7.258 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.016 | 252  | 61587    | 7.409 | ng #  | 98       |
| 83) Chrysene                  | 14.092 | 228  | 174823   | 7.315 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 107556   | 6.824 | ng #  | 99       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 146432   | 6.492 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 120186   | 6.381 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.116 | 252  | 149186   | 8.158 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 141062   | 7.945 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 128418   | 8.679 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.080 | 278  | 104660   | 6.894 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 105052   | 6.660 | ng    | 98       |

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

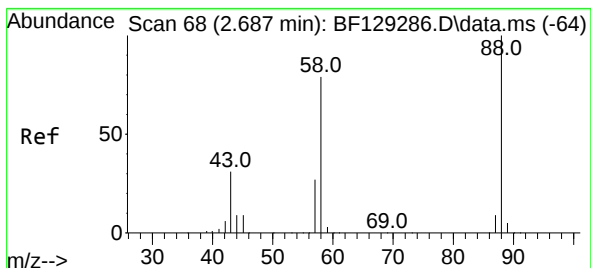
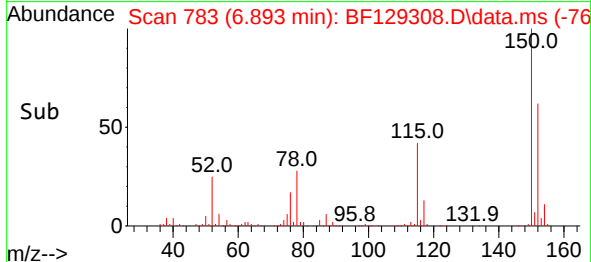
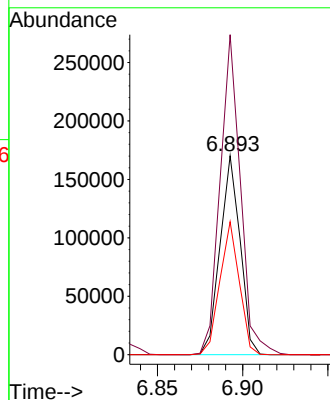
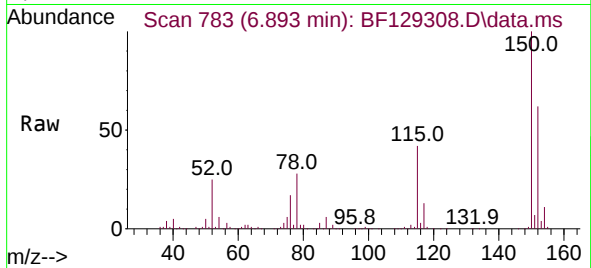




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.893 min Scan# 71  
 Delta R.T. -0.005 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18

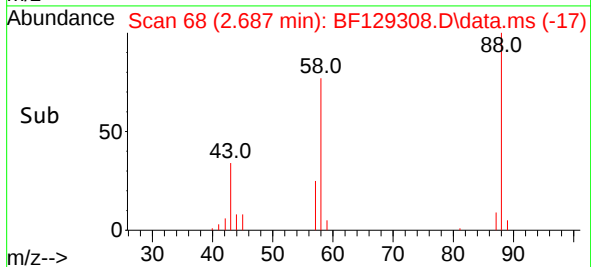
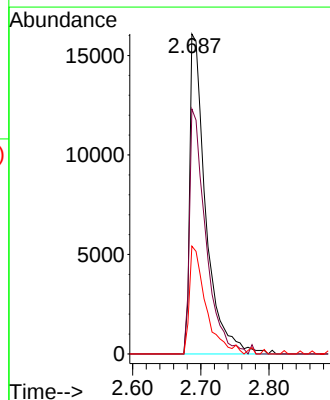
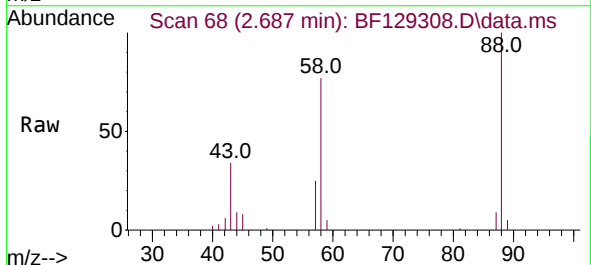
Instrument :  
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 ClientSampleId :  
 MDL-SOIL-03-QT2-2022

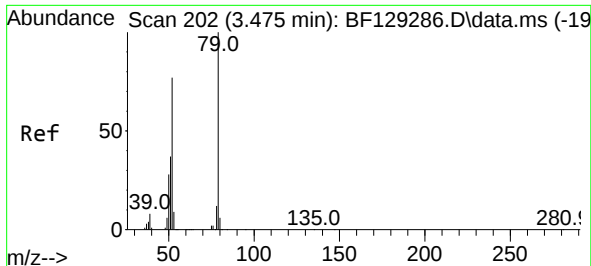
Tgt Ion:152 Resp: 139027  
 Ion Ratio Lower Upper  
 152 100  
 150 160.9 123.7 185.5  
 115 66.8 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 6.913 ng  
 RT: 2.687 min Scan# 68  
 Delta R.T. 0.000 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18

Tgt Ion: 88 Resp: 26129  
 Ion Ratio Lower Upper  
 88 100  
 58 77.2 71.8 107.8  
 43 34.6 26.6 39.8





#3

Pyridine

Concen: 5.586 ng

RT: 3.558 min Scan# 216

Delta R.T. 0.083 min

Lab File: BF129308.D

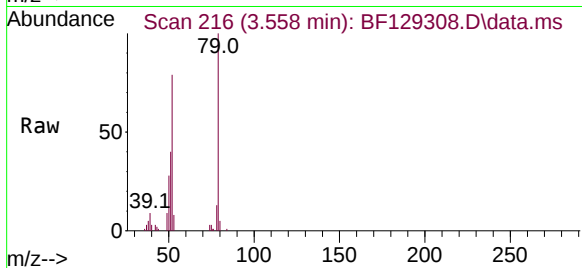
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Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



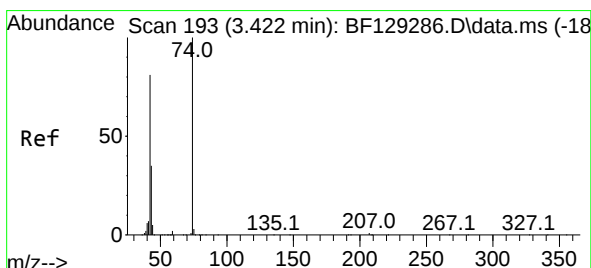
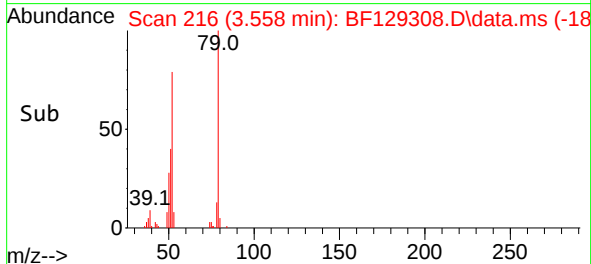
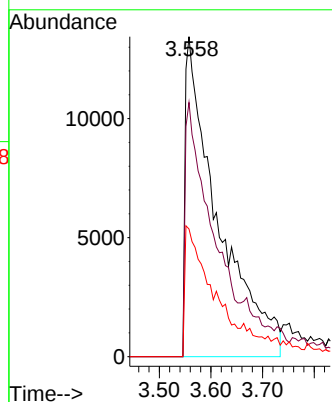
Tgt Ion: 79 Resp: 58289

Ion Ratio Lower Upper

79 100

52 79.4 68.6 102.8

51 39.9 32.9 49.3



#4

n-Nitrosodimethylamine

Concen: 7.067 ng

RT: 3.416 min Scan# 192

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

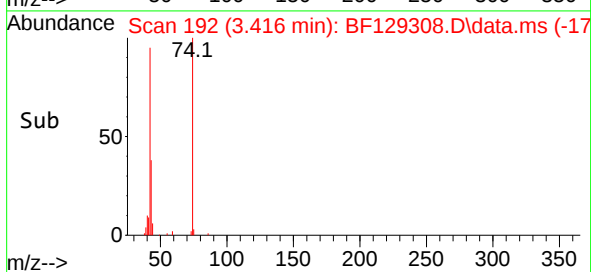
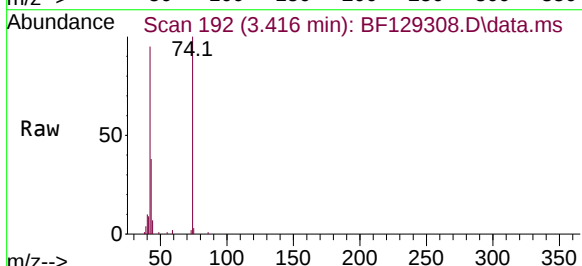
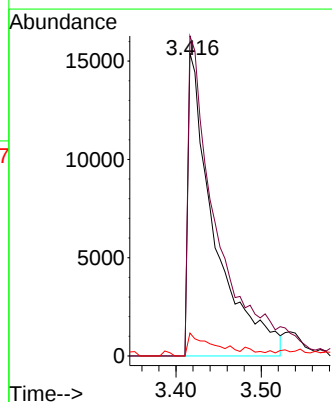
Tgt Ion: 42 Resp: 33110

Ion Ratio Lower Upper

42 100

74 105.7 94.8 142.2

44 7.6 6.6 10.0

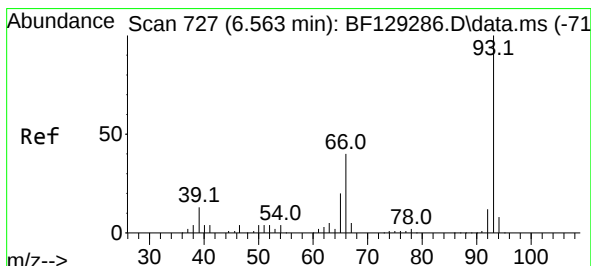
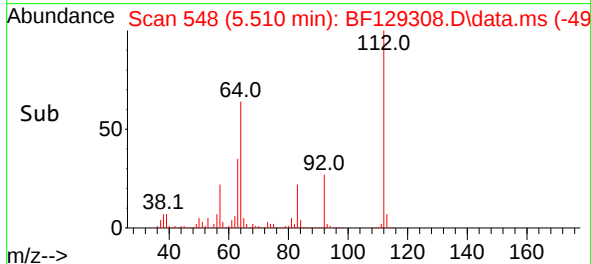
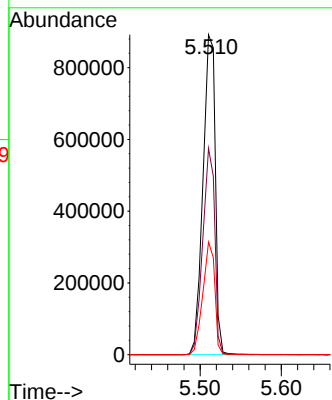
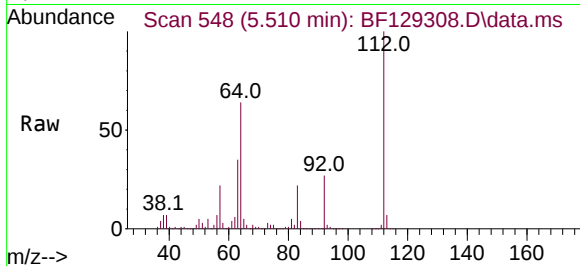




#5  
2-Fluorophenol  
Concen: 110.449 ng  
RT: 5.510 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

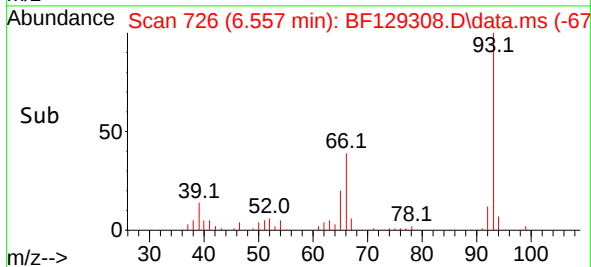
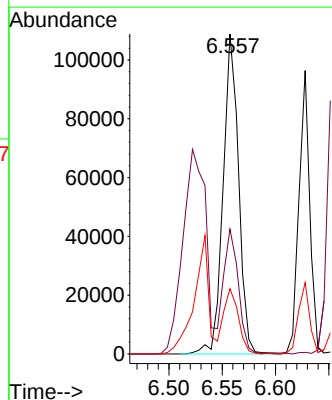
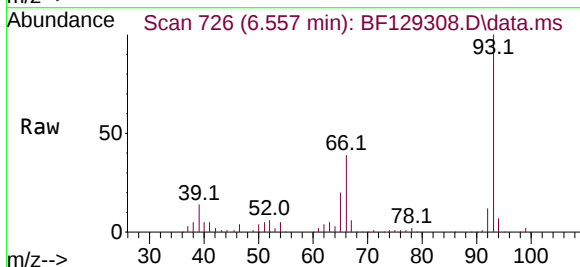
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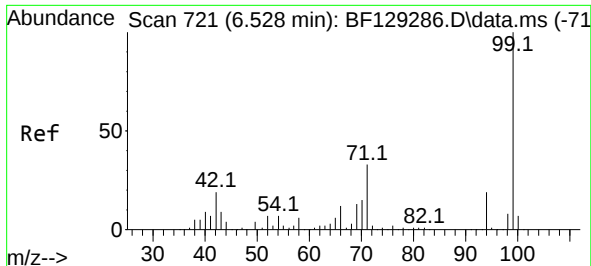
Tgt Ion:112 Resp: 941447  
Ion Ratio Lower Upper  
112 100  
64 64.5 53.3 79.9  
63 35.2 28.0 42.0



#6  
Aniline  
Concen: 8.197 ng  
RT: 6.557 min Scan# 726  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion: 93 Resp: 109591  
Ion Ratio Lower Upper  
93 100  
66 39.0 32.5 48.7  
65 20.4 16.4 24.6





#7

Phenol-d6

Concen: 115.446 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

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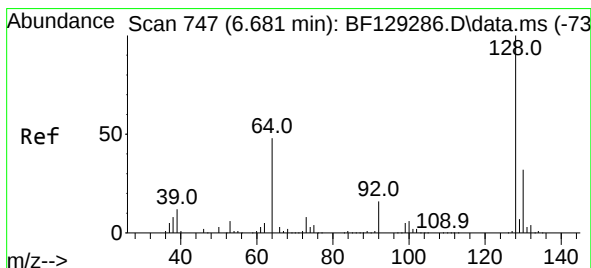
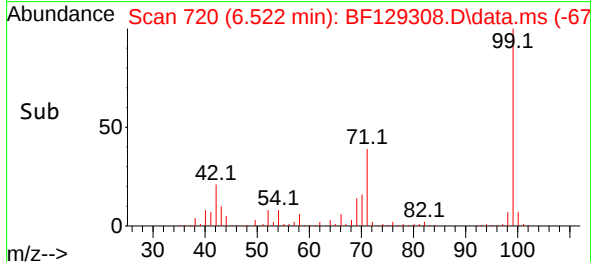
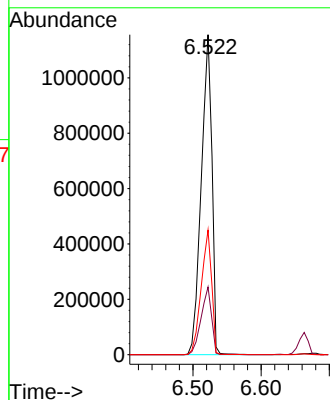
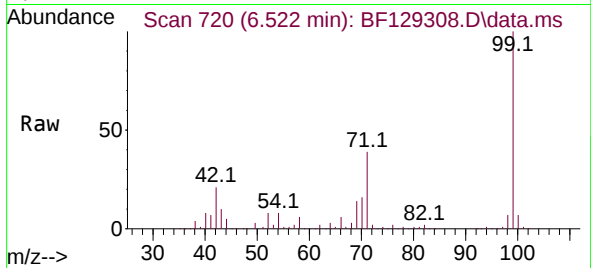
Tgt Ion: 99 Resp: 1254423

Ion Ratio Lower Upper

99 100

42 21.1 17.3 25.9

71 39.0 28.9 43.3



#8

2-Chlorophenol

Concen: 7.833 ng

RT: 6.681 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

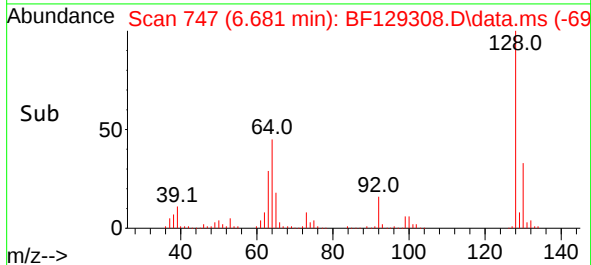
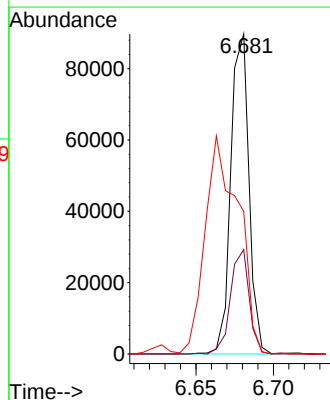
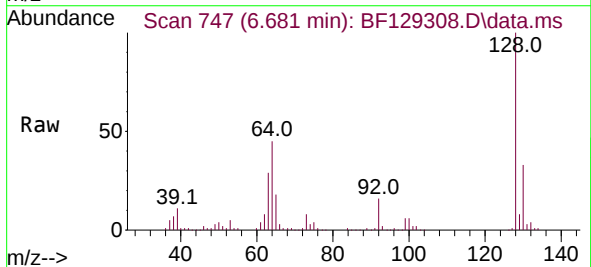
Tgt Ion:128 Resp: 73194

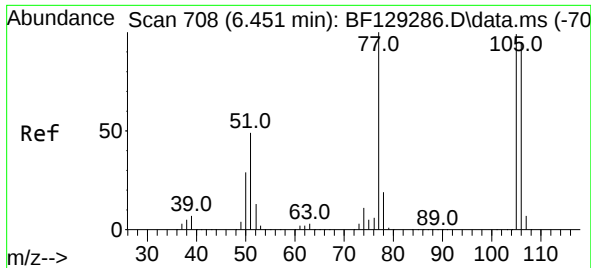
Ion Ratio Lower Upper

128 100

130 32.6 13.1 53.1

64 44.6 30.9 70.9

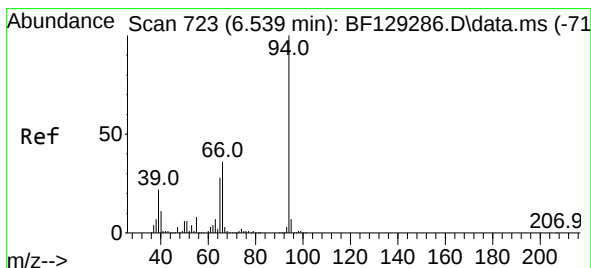
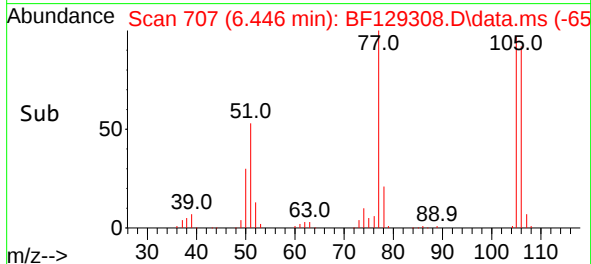
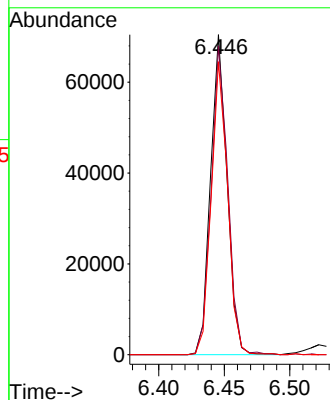
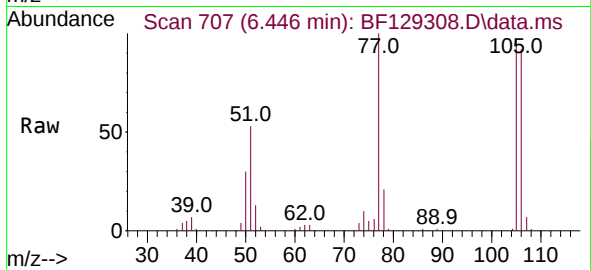




#9  
Benzaldehyde  
Concen: 8.263 ng  
RT: 6.446 min Scan# 708  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

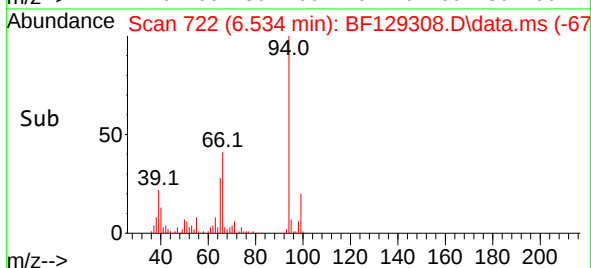
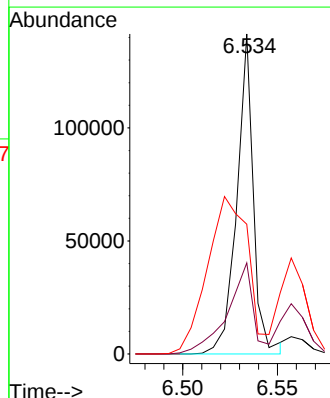
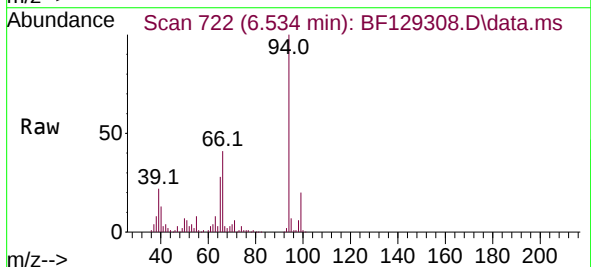
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

Tgt Ion: 77 Resp: 61587  
Ion Ratio Lower Upper  
77 100  
105 96.5 81.6 121.6  
106 91.6 76.1 116.1



#10  
Phenol  
Concen: 7.532 ng  
RT: 6.534 min Scan# 722  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion: 94 Resp: 86009  
Ion Ratio Lower Upper  
94 100  
65 28.5 11.4 51.4  
66 40.5 21.4 61.4

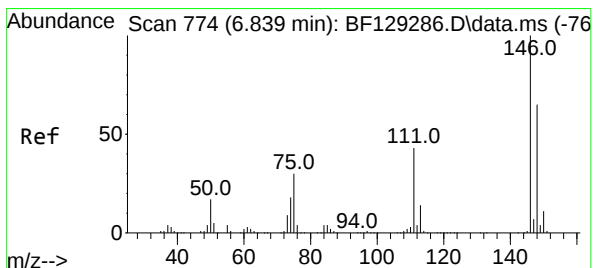
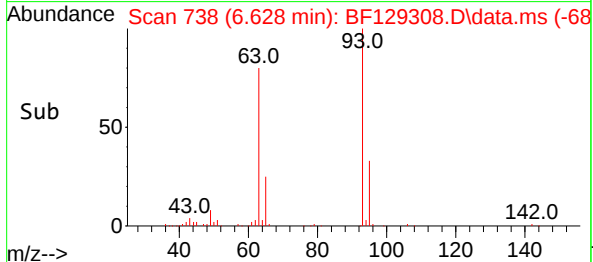
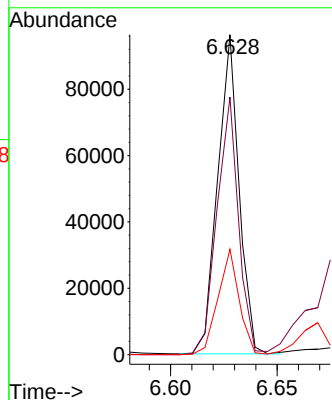
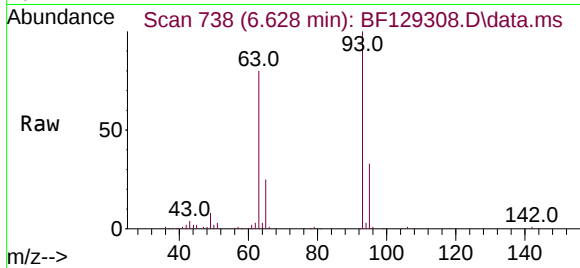




#11  
bis(2-Chloroethyl)ether  
Concen: 7.437 ng  
RT: 6.628 min Scan# 713  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

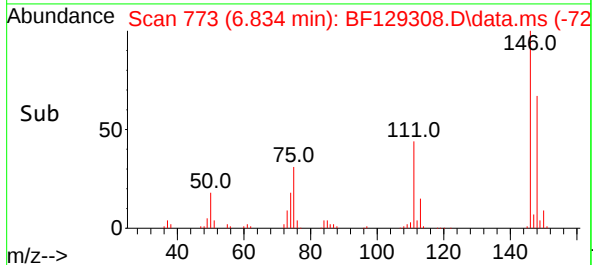
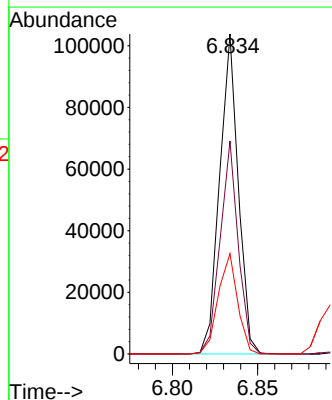
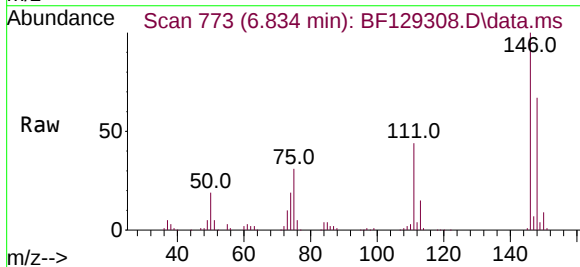
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

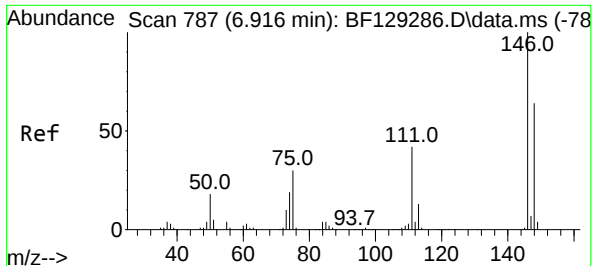
Tgt Ion: 93 Resp: 67228  
Ion Ratio Lower Upper  
93 100  
63 80.5 67.4 107.4  
95 33.0 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 7.860 ng  
RT: 6.834 min Scan# 773  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:146 Resp: 79155  
Ion Ratio Lower Upper  
146 100  
148 66.6 50.6 75.8  
75 31.4 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 7.837 ng

RT: 6.910 min Scan# 786

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

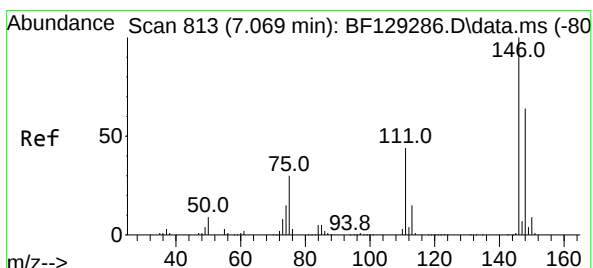
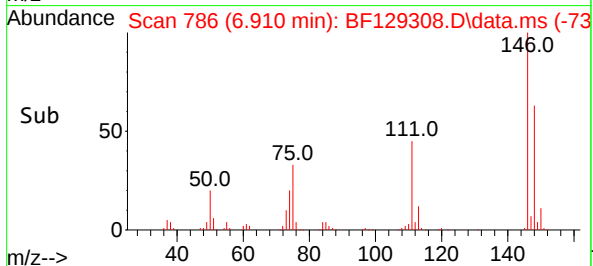
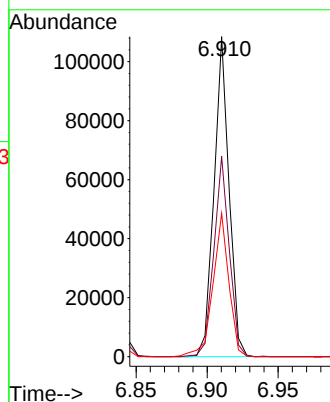
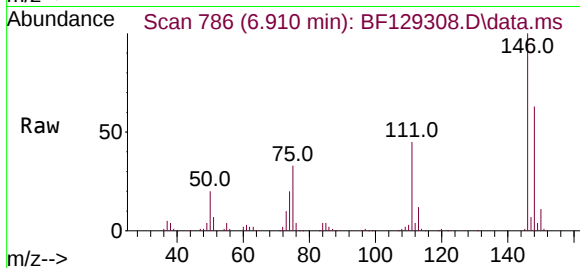
Tgt Ion:146 Resp: 79864

Ion Ratio Lower Upper

146 100

148 62.6 51.1 76.7

111 44.8 34.2 51.4



#14

1,2-Dichlorobenzene

Concen: 7.931 ng

RT: 7.063 min Scan# 812

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

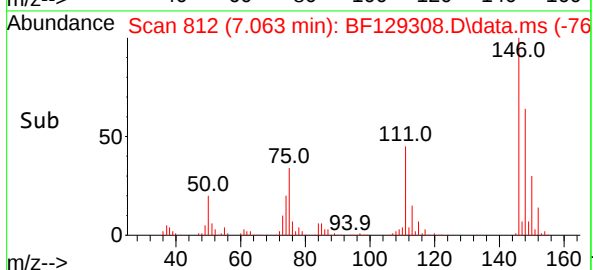
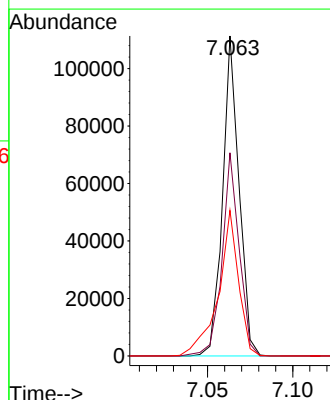
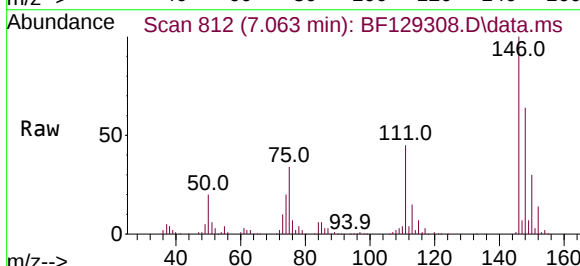
Tgt Ion:146 Resp: 74682

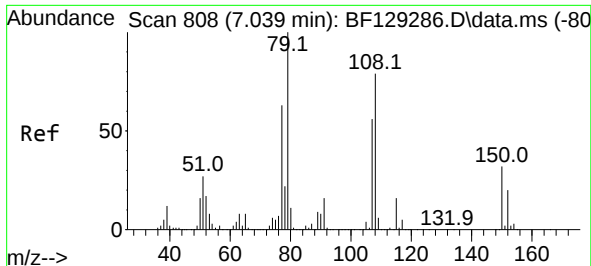
Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.8

111 45.5 35.1 52.7

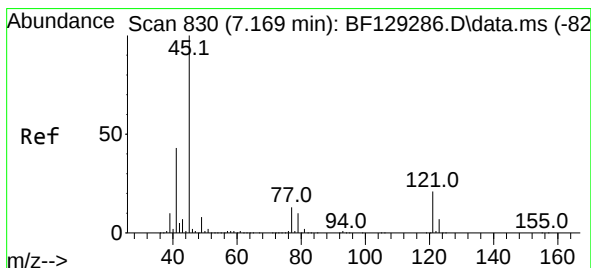
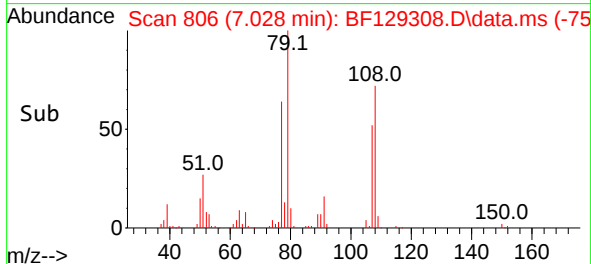
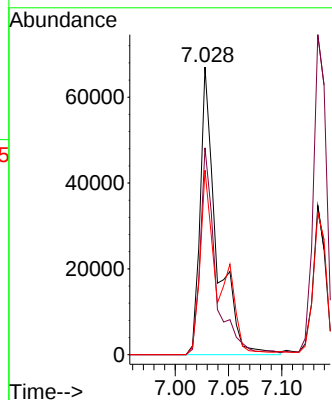
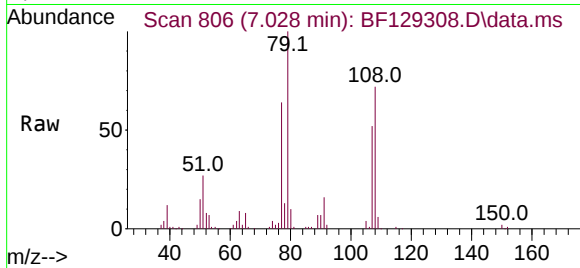




#15  
Benzyl Alcohol  
Concen: 9.256 ng  
RT: 7.028 min Scan# 808  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

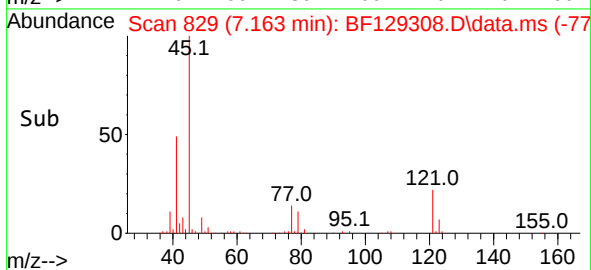
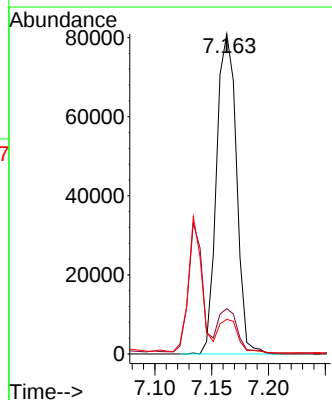
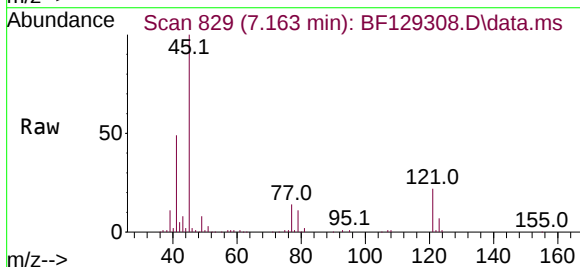
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

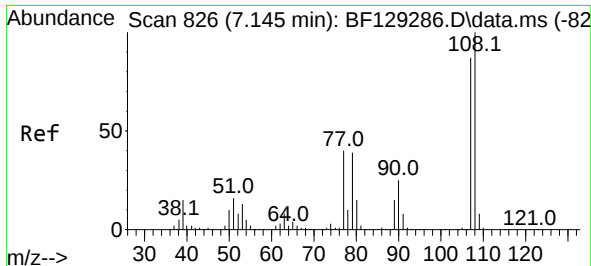
Tgt Ion: 79 Resp: 72965  
Ion Ratio Lower Upper  
79 100  
108 71.9 61.8 92.6  
77 64.1 50.2 75.4



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 7.155 ng  
RT: 7.163 min Scan# 829  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion: 45 Resp: 98602  
Ion Ratio Lower Upper  
45 100  
77 14.1 0.0 31.3  
79 10.8 0.0 28.3

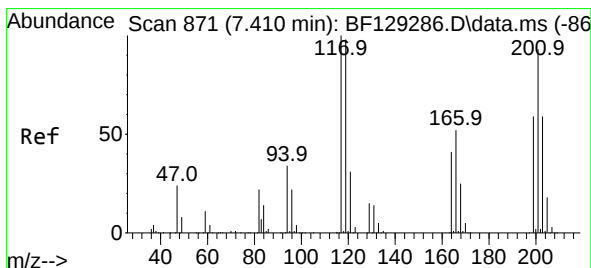
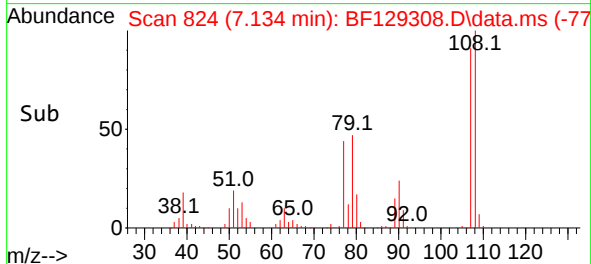
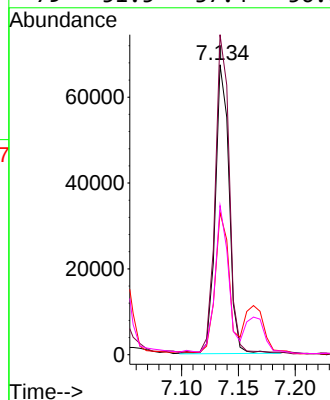
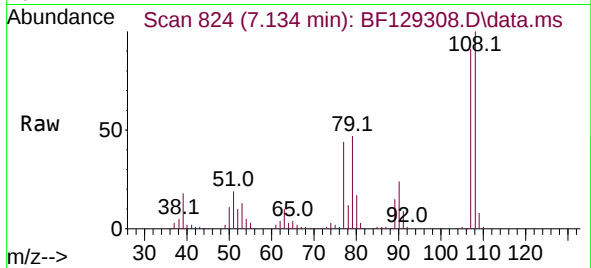




#17  
2-Methylphenol  
Concen: 7.478 ng  
RT: 7.134 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

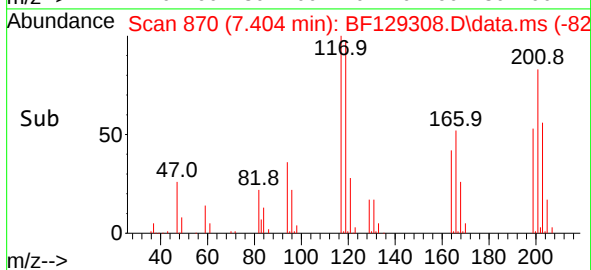
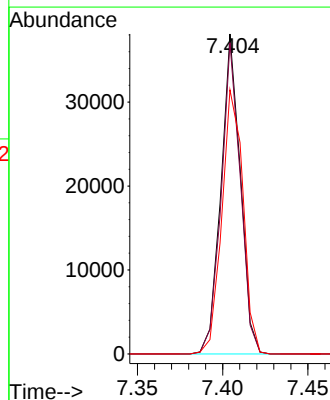
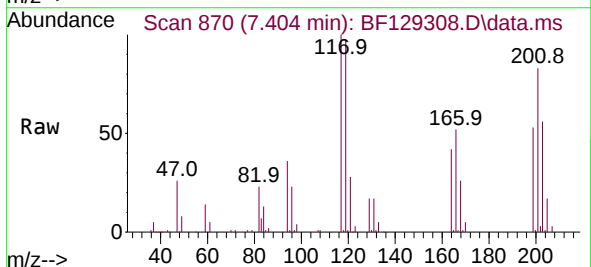
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

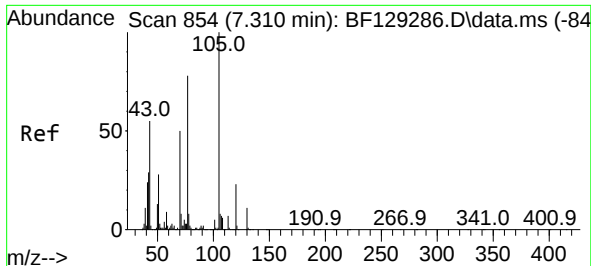
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 56951 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 110.4 | 91.9  | 137.9 |
| 77       | 49.0  | 37.8  | 56.8  |
| 79       | 51.5  | 37.4  | 56.0  |



#18  
Hexachloroethane  
Concen: 7.896 ng  
RT: 7.404 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 30190  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.2  | 77.4  | 116.2  |
| 201      | 82.5  | 84.6  | 127.0# |

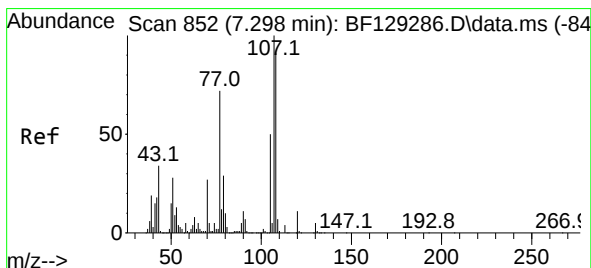
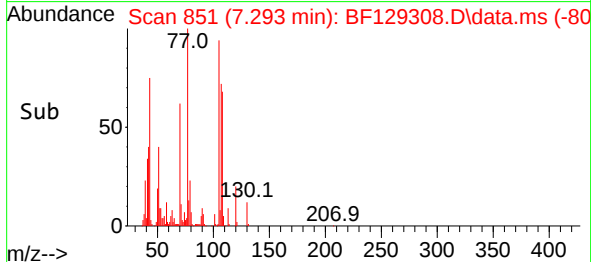
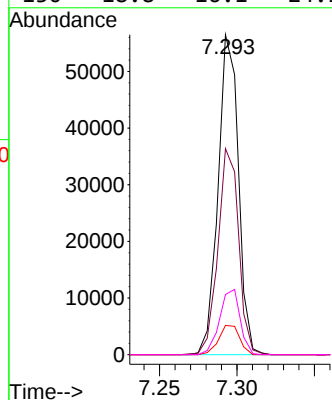
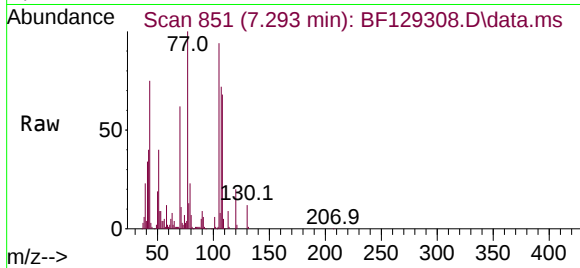




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.952 ng  
RT: 7.293 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

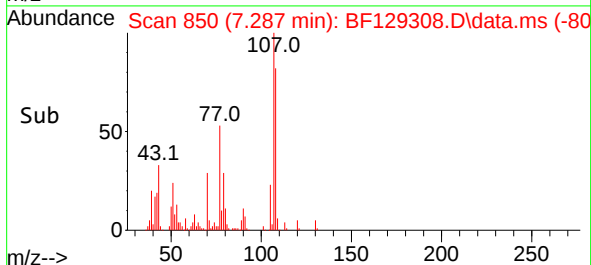
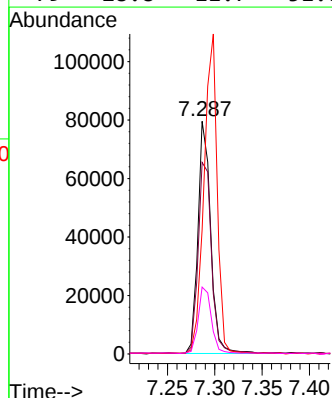
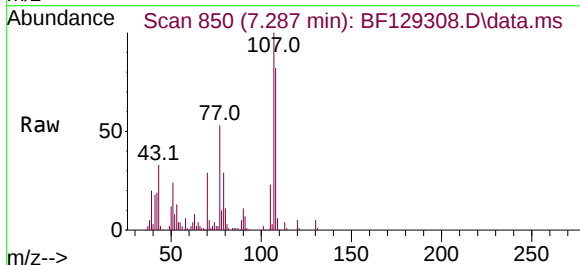
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

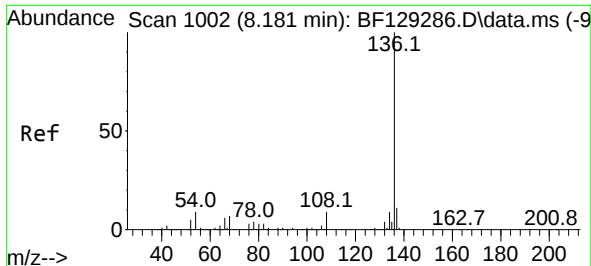
Tgt Ion: 70 Resp: 51480  
Ion Ratio Lower Upper  
70 100  
42 64.4 52.3 78.5  
101 9.2 7.5 11.3  
130 18.8 16.1 24.1



#20  
3+4-Methylphenols  
Concen: 7.504 ng  
RT: 7.287 min Scan# 850  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion: 107 Resp: 74533  
Ion Ratio Lower Upper  
107 100  
108 82.3 71.8 111.8  
77 53.4 59.3 99.3#  
79 28.8 11.7 51.7

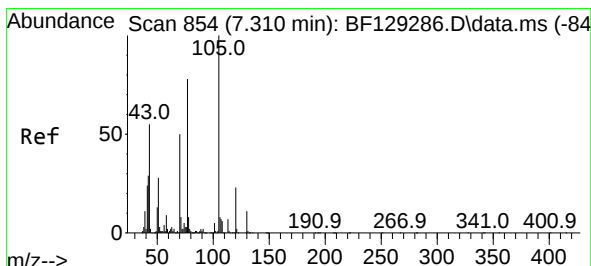
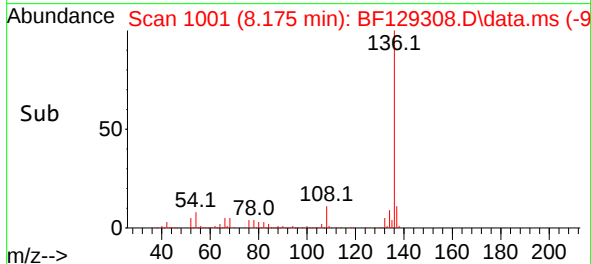
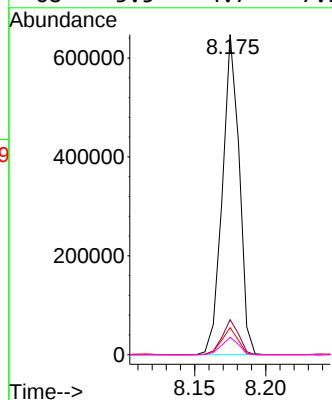
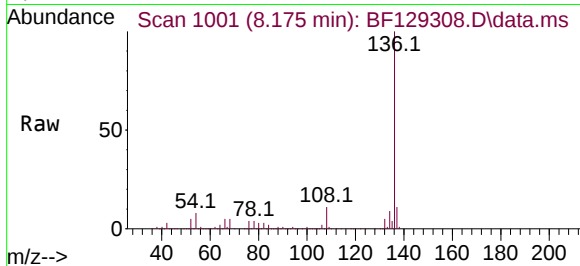




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

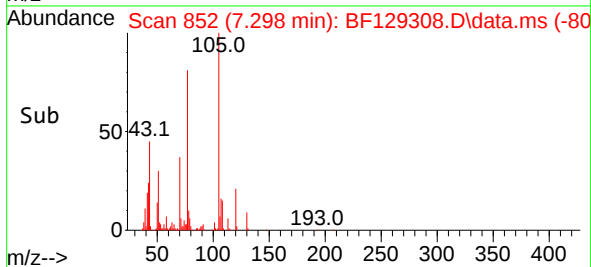
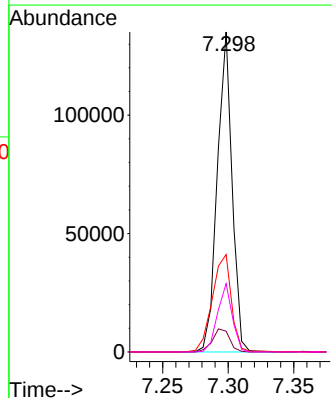
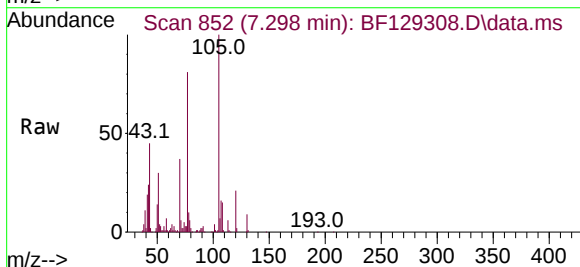
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

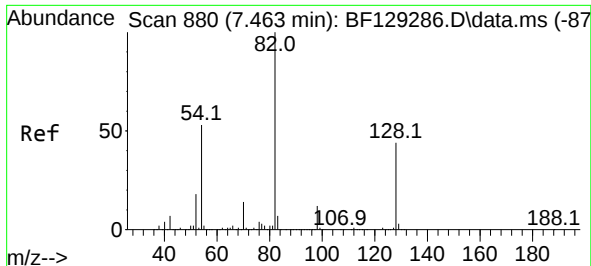
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 532235 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.8 13.2     |
| 54 8.4      | 7.5 11.3     |
| 68 5.5      | 4.7 7.1      |



#22  
Acetophenone  
Concen: 8.474 ng  
RT: 7.298 min Scan# 852  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 105896 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 6.5     | 5.0   | 7.4    |
| 51  | 30.5    | 25.0  | 37.4   |
| 120 | 21.3    | 17.8  | 26.8   |





#23

Nitrobenzene-d5

Concen: 89.193 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

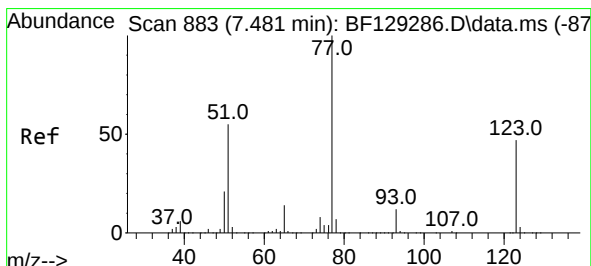
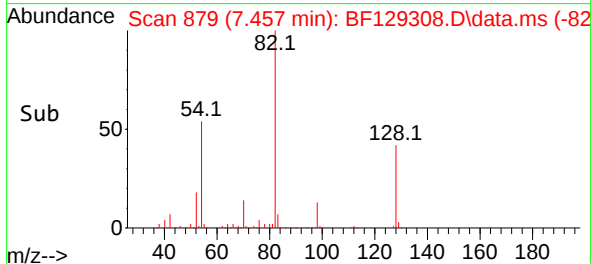
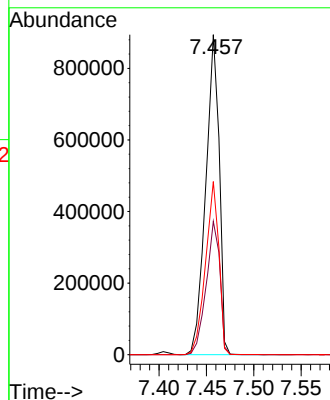
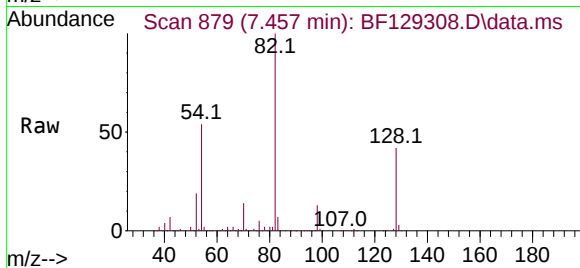
Tgt Ion: 82 Resp: 882384

Ion Ratio Lower Upper

82 100

128 41.7 34.0 51.0

54 54.1 46.9 70.3



#24

Nitrobenzene

Concen: 8.051 ng

RT: 7.475 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

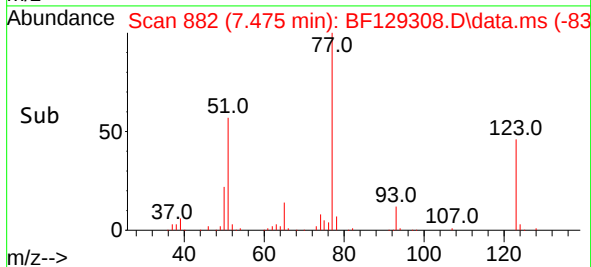
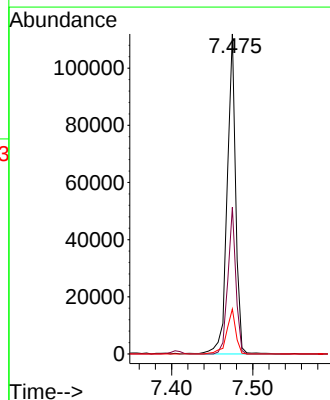
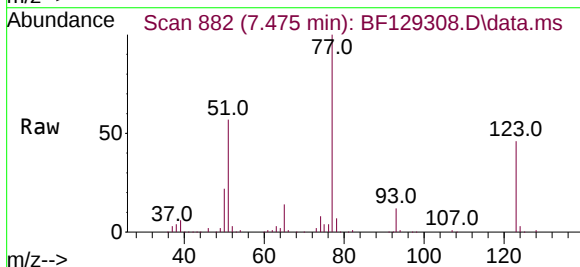
Tgt Ion: 77 Resp: 82036

Ion Ratio Lower Upper

77 100

123 45.8 35.4 53.2

65 14.1 11.8 17.8

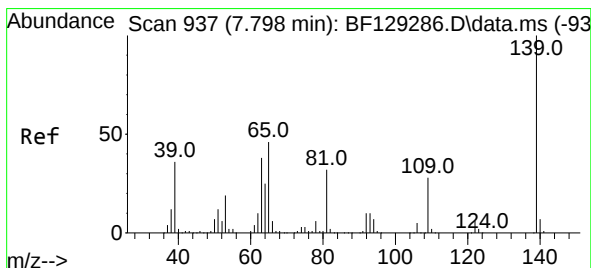
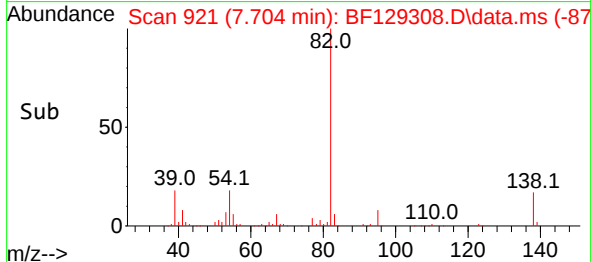
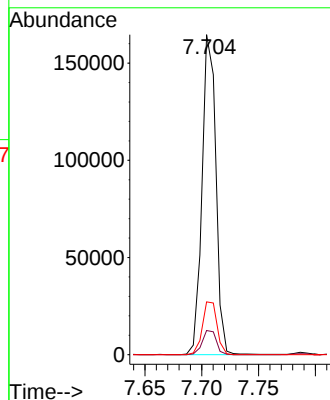
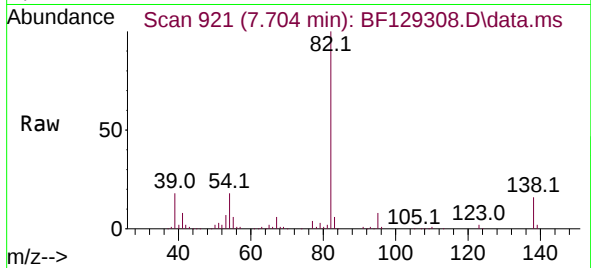




#25  
Isophorone  
Concen: 8.019 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

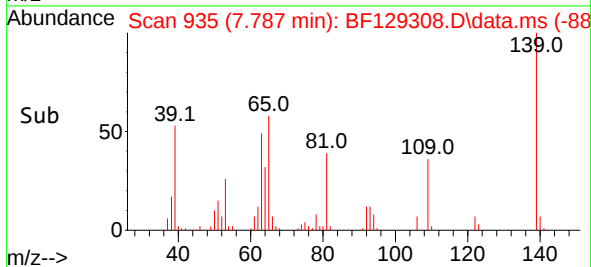
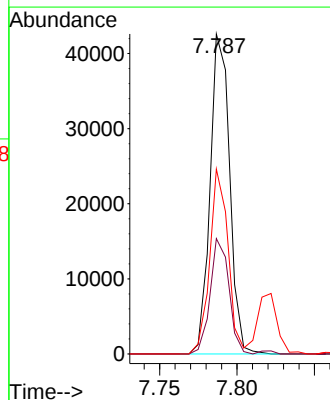
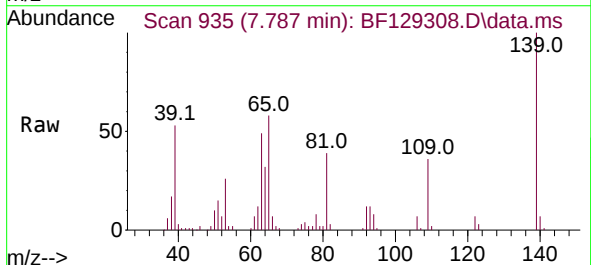
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

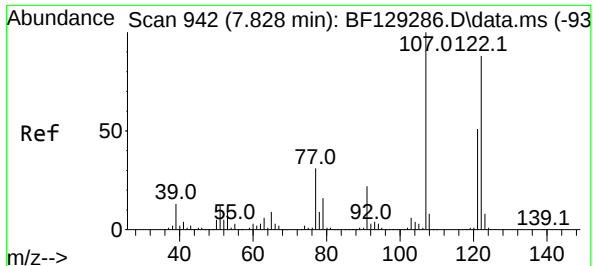
Tgt Ion: 82 Resp: 139286  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.7 8.5  
138 16.5 14.2 21.2



#26  
2-Nitrophenol  
Concen: 7.589 ng  
RT: 7.787 min Scan# 935  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:139 Resp: 37311  
Ion Ratio Lower Upper  
139 100  
109 36.0 25.0 37.4  
65 57.8 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 8.426 ng

RT: 7.822 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

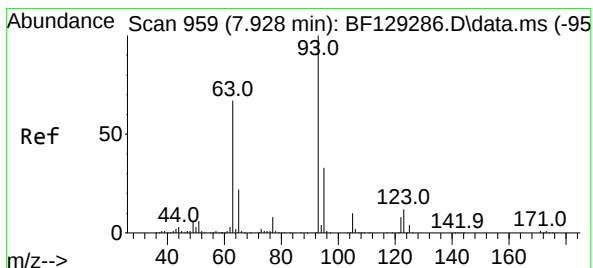
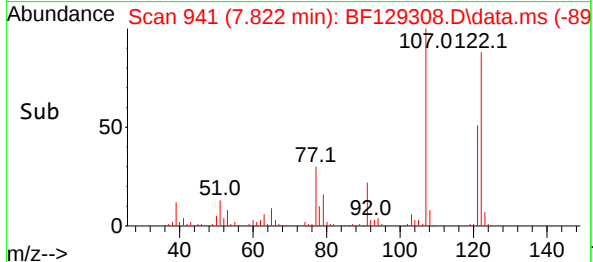
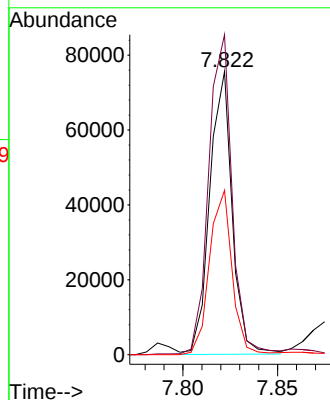
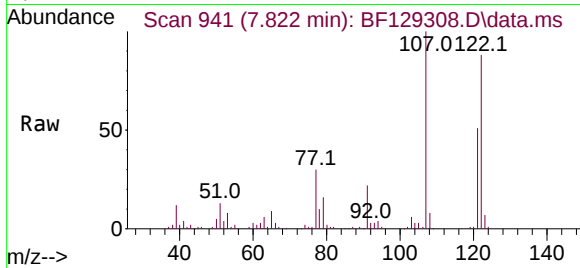
Tgt Ion:122 Resp: 62319

Ion Ratio Lower Upper

122 100

107 113.0 93.0 139.6

121 58.0 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 8.350 ng

RT: 7.916 min Scan# 957

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

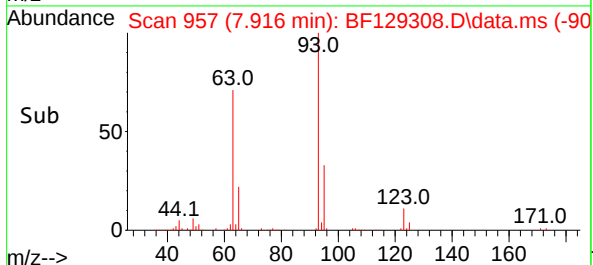
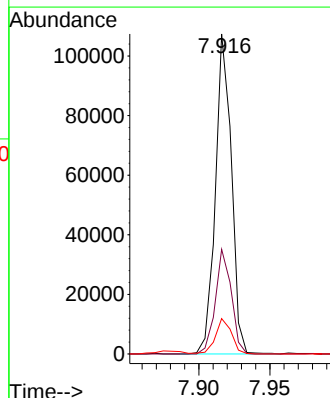
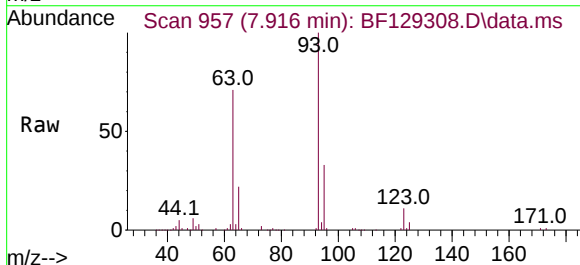
Tgt Ion: 93 Resp: 84016

Ion Ratio Lower Upper

93 100

95 32.7 26.8 40.2

123 11.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 7.417 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

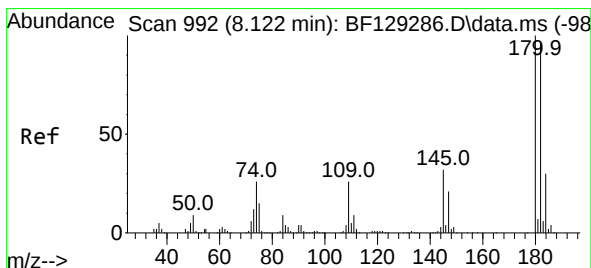
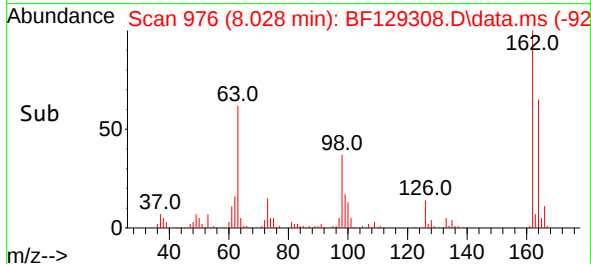
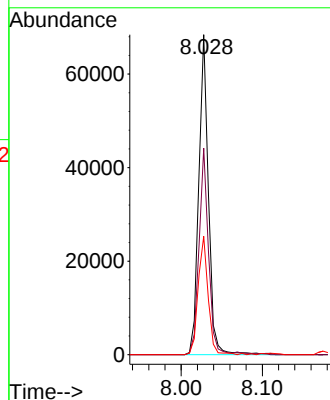
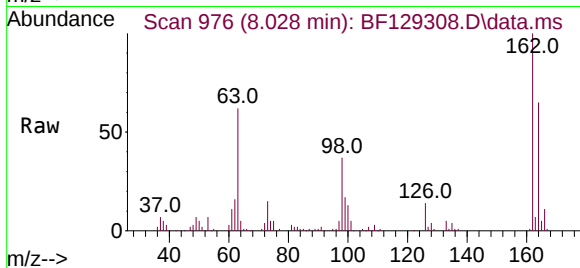
Tgt Ion:162 Resp: 57058

Ion Ratio Lower Upper

162 100

164 64.5 44.2 84.2

98 37.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 8.059 ng

RT: 8.116 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

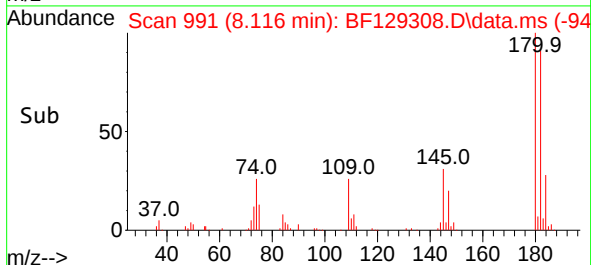
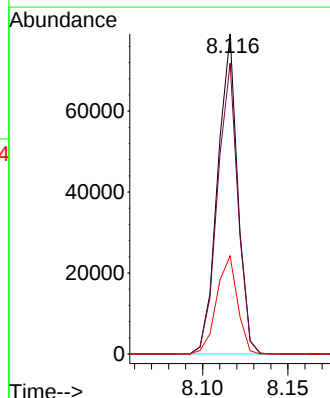
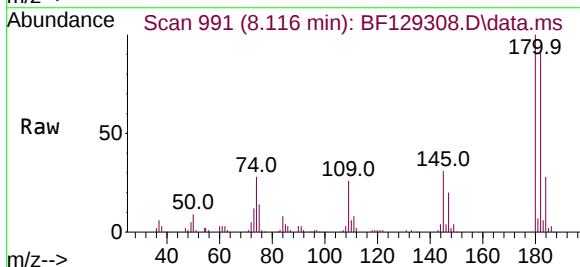
Tgt Ion:180 Resp: 64438

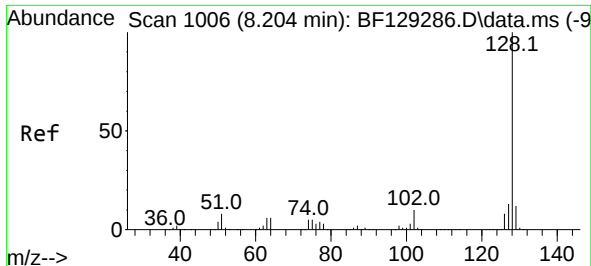
Ion Ratio Lower Upper

180 100

182 90.9 79.2 118.8

145 30.7 26.2 39.2





#31

Naphthalene

Concen: 7.887 ng

RT: 8.198 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

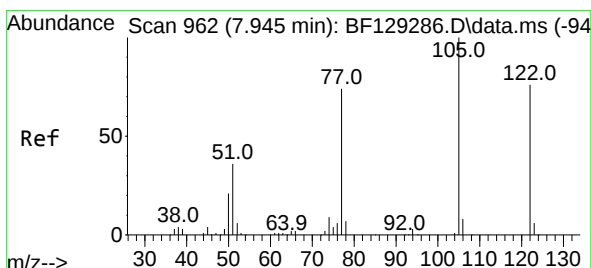
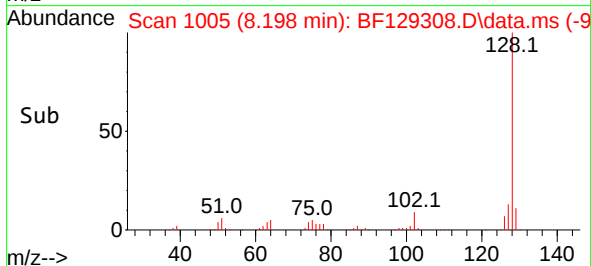
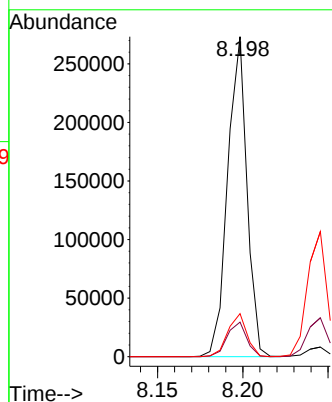
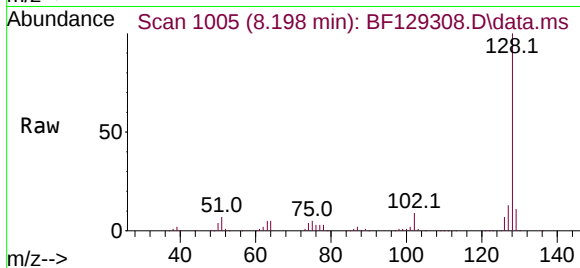
Tgt Ion:128 Resp: 215298

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

127 13.5 10.5 15.7



#32

Benzoic acid

Concen: 3.582 ng

RT: 7.881 min Scan# 951

Delta R.T. -0.064 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

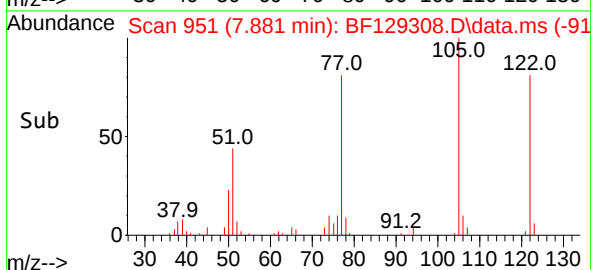
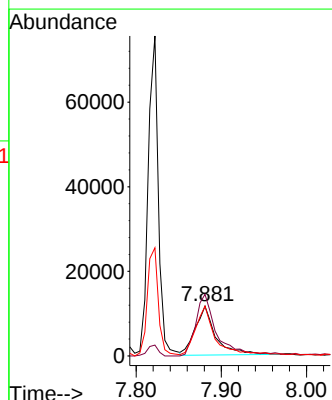
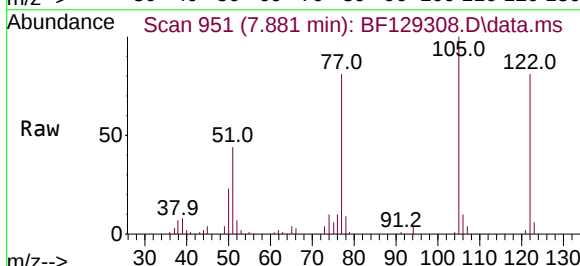
Tgt Ion:122 Resp: 19367

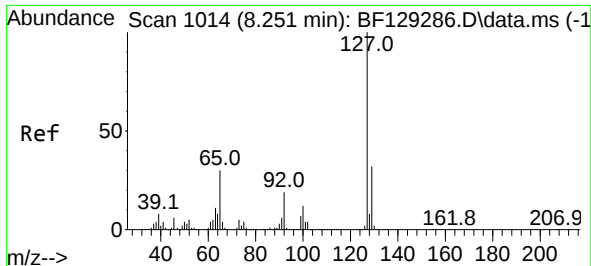
Ion Ratio Lower Upper

122 100

105 123.8 107.1 147.1

77 99.9 74.2 114.2

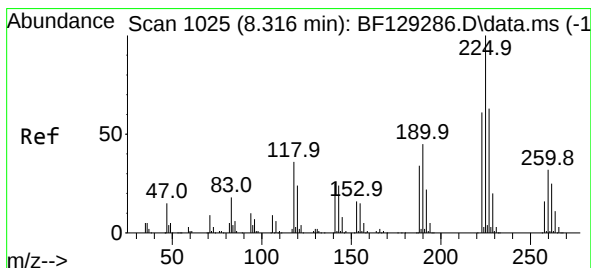
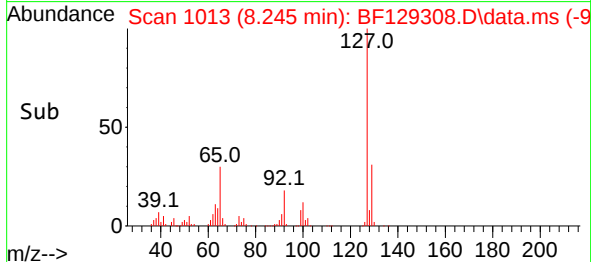
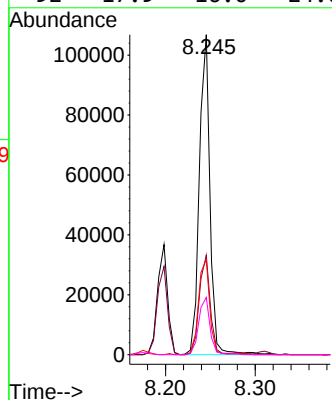
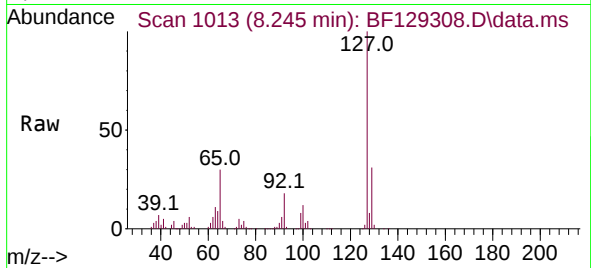




#33  
4-Chloroaniline  
Concen: 7.893 ng  
RT: 8.245 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

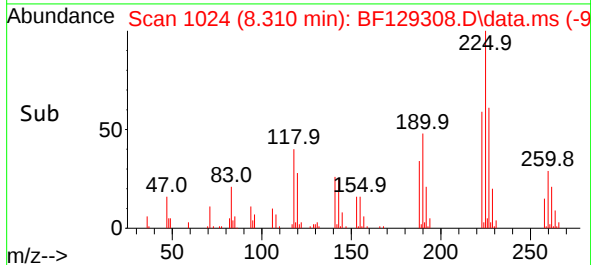
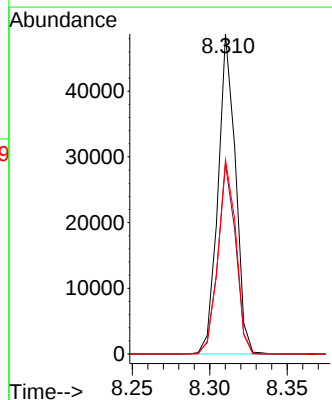
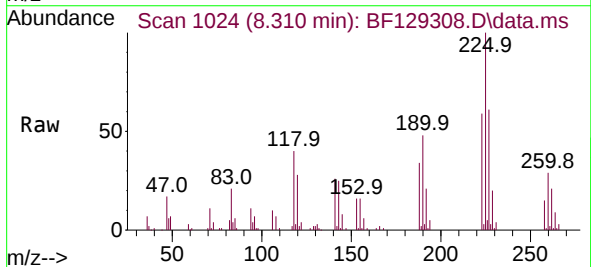
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

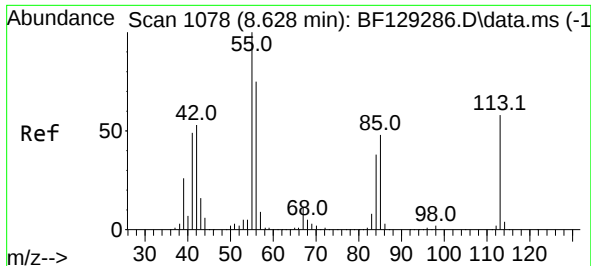
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 87880 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.1  | 26.4  | 39.6  |
| 65       | 29.7  | 26.4  | 39.6  |
| 92       | 17.9  | 16.0  | 24.0  |



#34  
Hexachlorobutadiene  
Concen: 8.351 ng  
RT: 8.310 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 38165 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 59.3  | 51.0  | 76.6  |
| 227      | 60.7  | 51.1  | 76.7  |

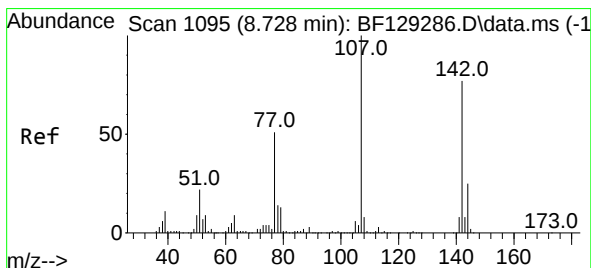
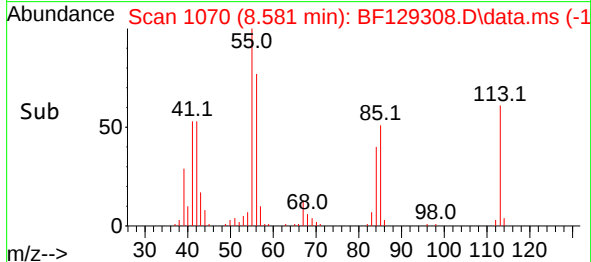
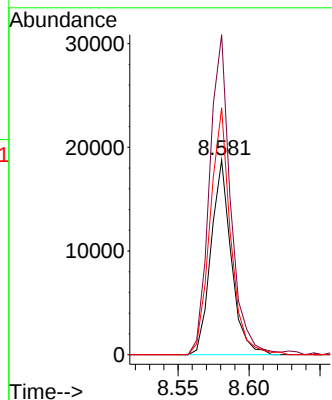
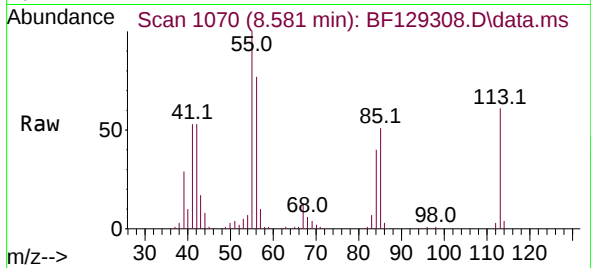




#35  
Caprolactam  
Concen: 7.583 ng  
RT: 8.581 min Scan# 1078  
Delta R.T. -0.047 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

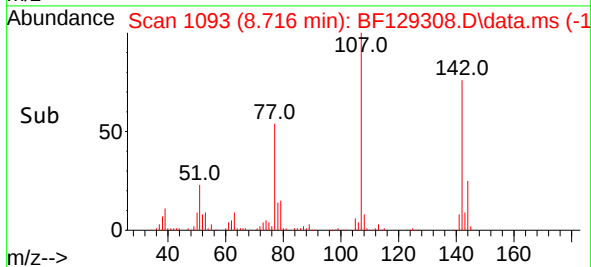
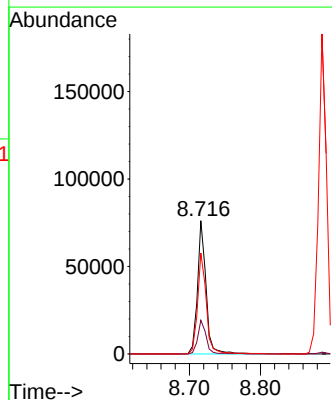
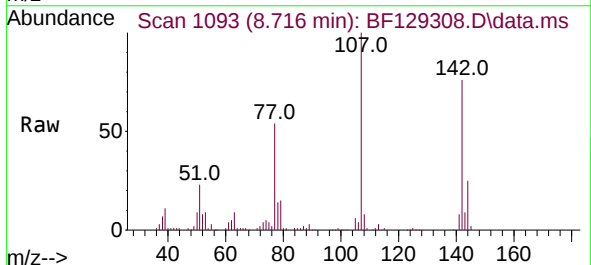
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

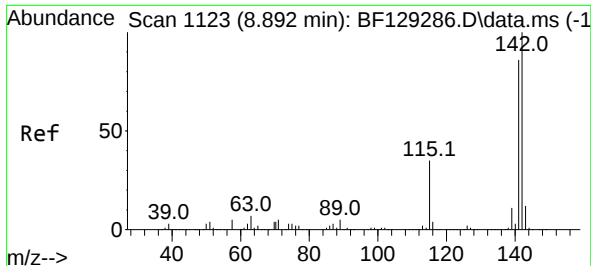
Tgt Ion:113 Resp: 18605  
Ion Ratio Lower Upper  
113 100  
55 164.3 188.5 228.5#  
56 126.8 130.6 170.6#



#36  
4-Chloro-3-methylphenol  
Concen: 7.815 ng  
RT: 8.716 min Scan# 1093  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:107 Resp: 63872  
Ion Ratio Lower Upper  
107 100  
144 25.2 19.5 29.3  
142 75.7 58.2 87.4

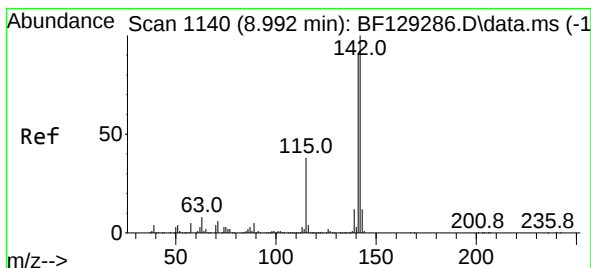
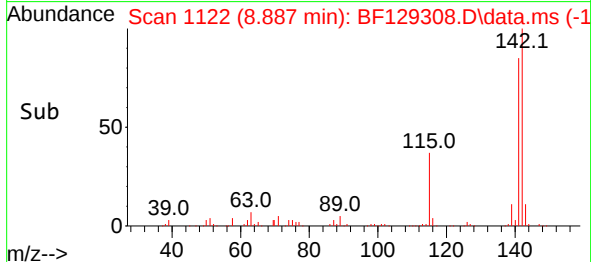
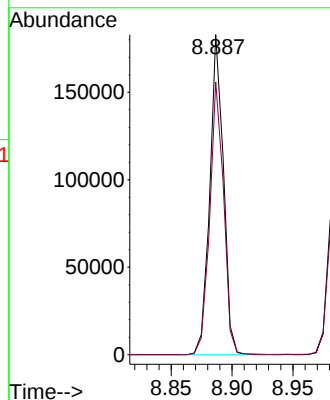
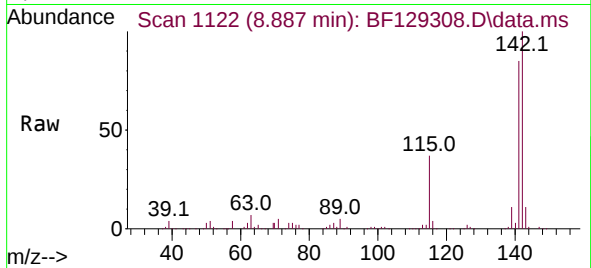




#37  
2-Methylnaphthalene  
Concen: 8.048 ng  
RT: 8.887 min Scan# 1122  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

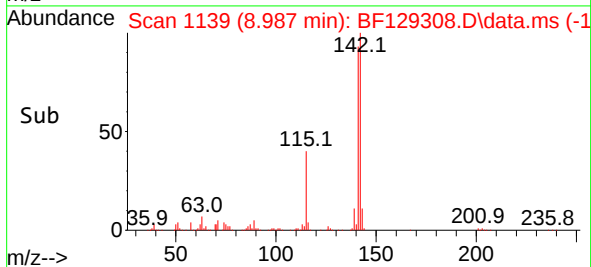
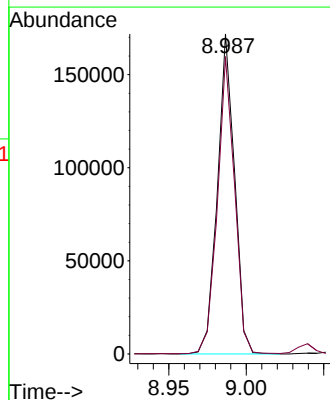
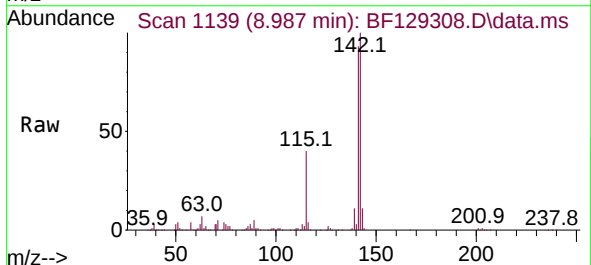
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

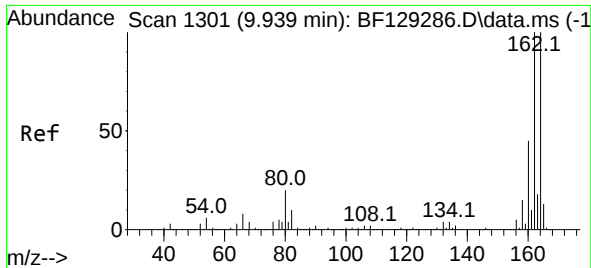
Tgt Ion:142 Resp: 142361  
Ion Ratio Lower Upper  
142 100  
141 85.2 71.0 106.4



#38  
1-Methylnaphthalene  
Concen: 7.723 ng  
RT: 8.987 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:142 Resp: 132162  
Ion Ratio Lower Upper  
142 100  
141 92.9 74.2 111.4

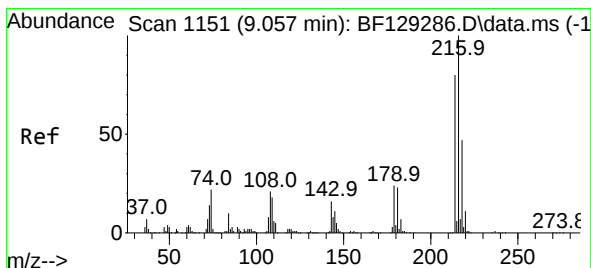
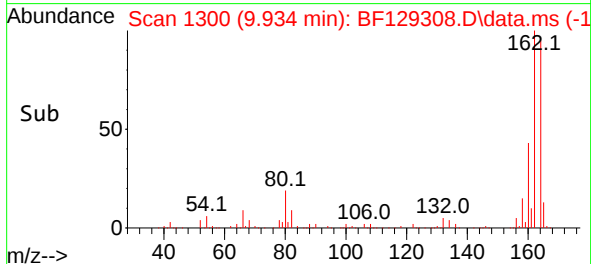
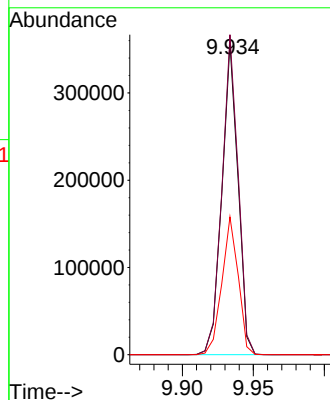
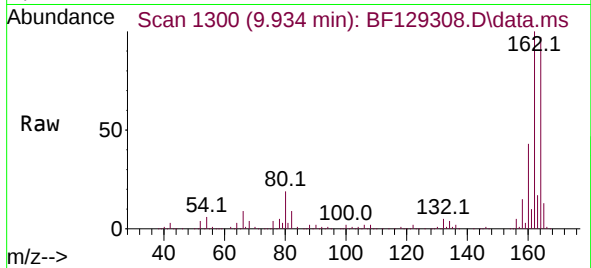




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.934 min Scan# 1150  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

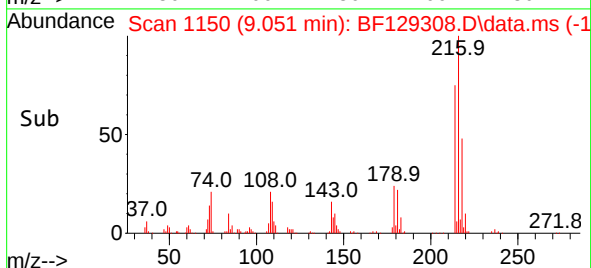
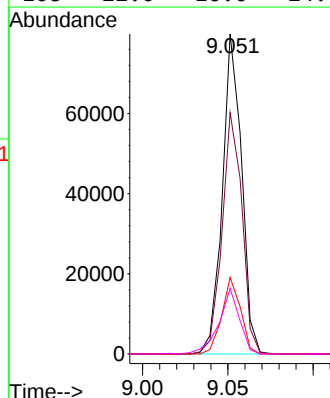
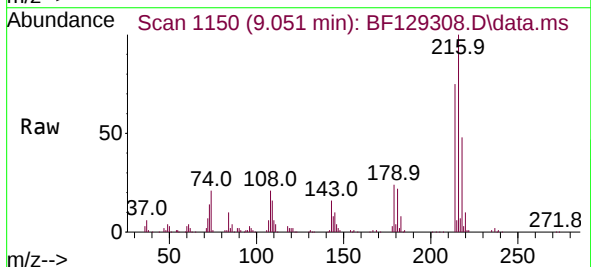
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

Tgt Ion:164 Resp: 280368  
Ion Ratio Lower Upper  
164 100  
162 102.7 79.5 119.3  
160 44.2 34.2 51.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 8.504 ng  
RT: 9.051 min Scan# 1150  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:216 Resp: 62590  
Ion Ratio Lower Upper  
216 100  
214 78.0 63.6 95.4  
179 23.3 17.0 25.6  
108 22.0 16.0 24.0

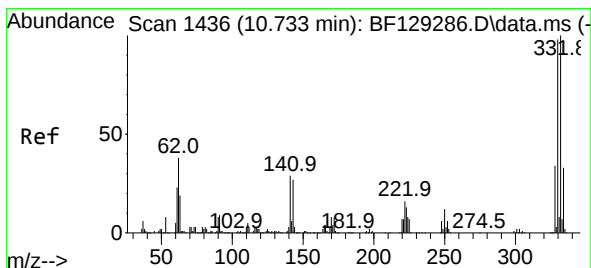
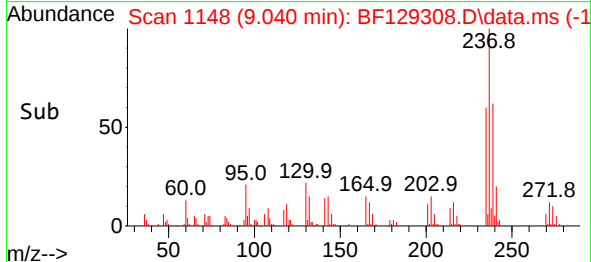
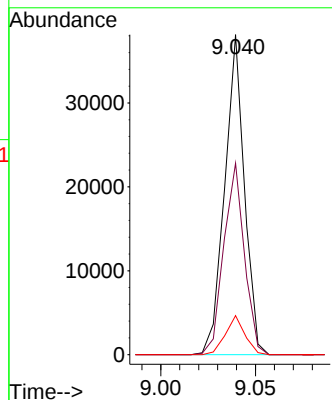
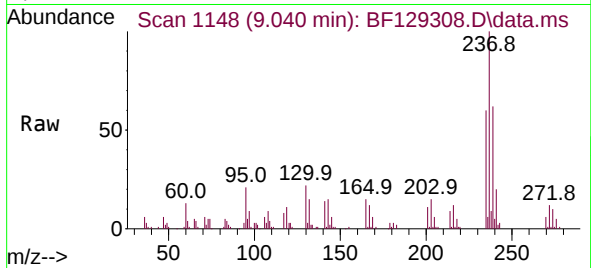




#41  
Hexachlorocyclopentadiene  
Concen: 8.514 ng  
RT: 9.040 min Scan# 1148  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

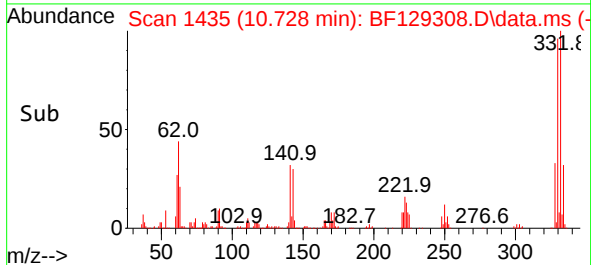
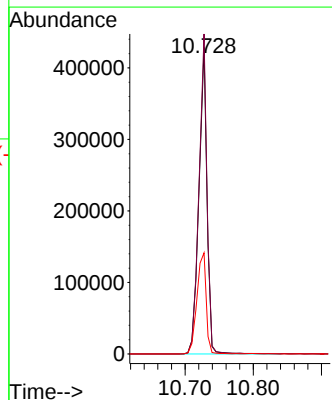
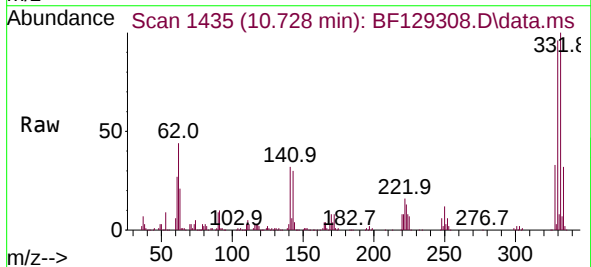
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

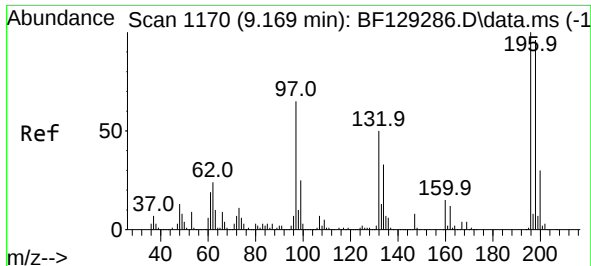
Tgt Ion:237 Resp: 27623  
Ion Ratio Lower Upper  
237 100  
235 59.8 43.2 83.2  
272 12.2 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 130.590 ng  
RT: 10.728 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:330 Resp: 353242  
Ion Ratio Lower Upper  
330 100  
332 103.5 76.8 115.2  
141 37.6 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 7.441 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

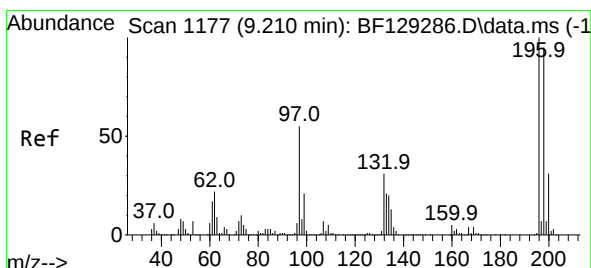
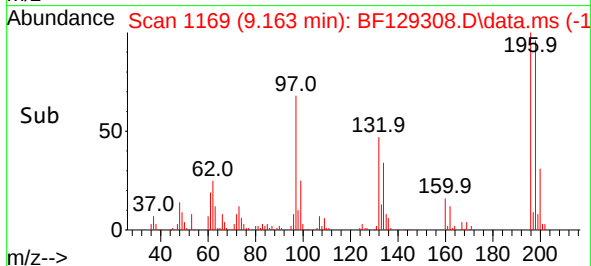
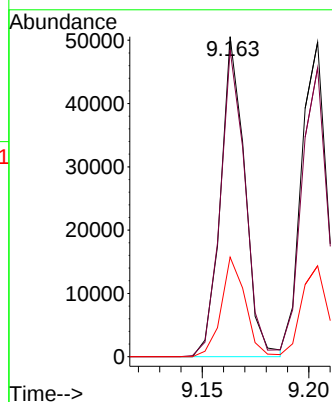
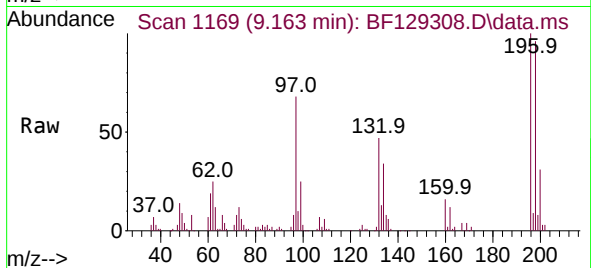
Tgt Ion:196 Resp: 40025

Ion Ratio Lower Upper

196 100

198 95.9 74.0 111.0

200 31.1 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 7.566 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Tgt Ion:196 Resp: 44147

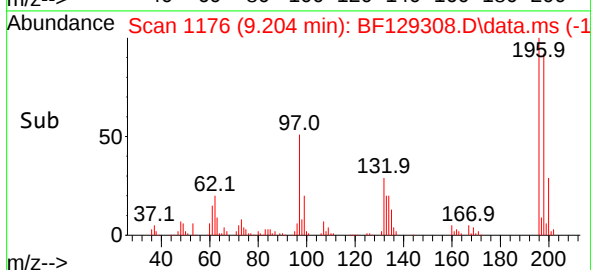
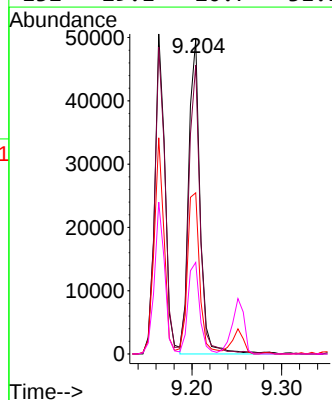
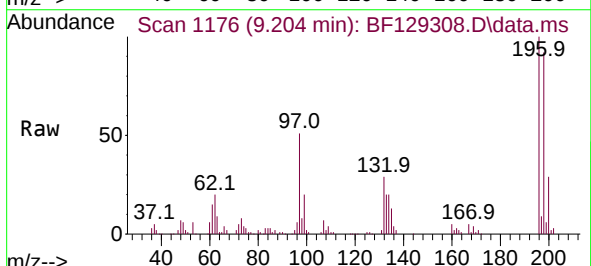
Ion Ratio Lower Upper

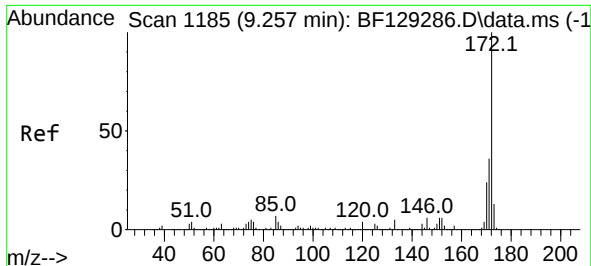
196 100

198 91.8 75.7 113.5

97 51.2 36.4 54.6

132 29.1 20.7 31.1

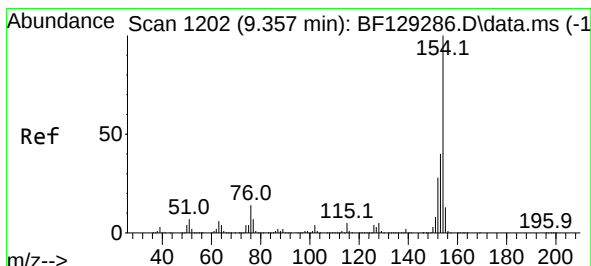
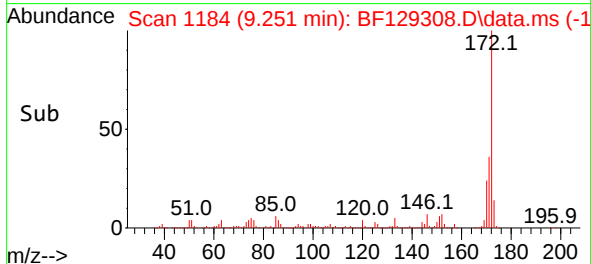
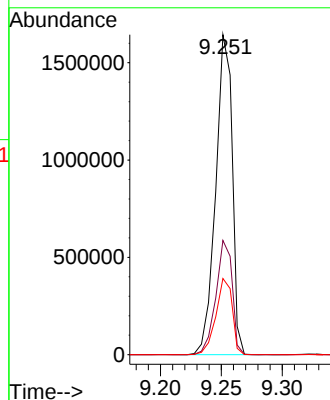
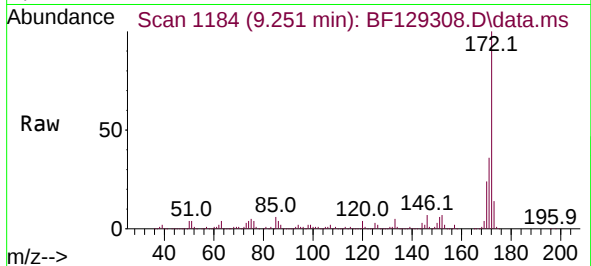




#45  
2-Fluorobiphenyl  
Concen: 85.120 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

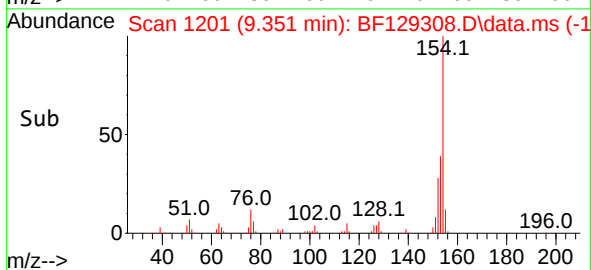
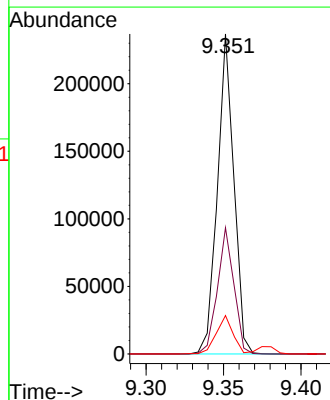
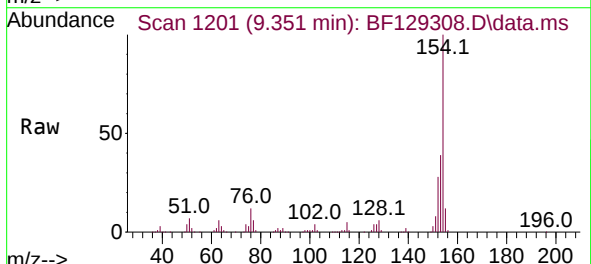
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

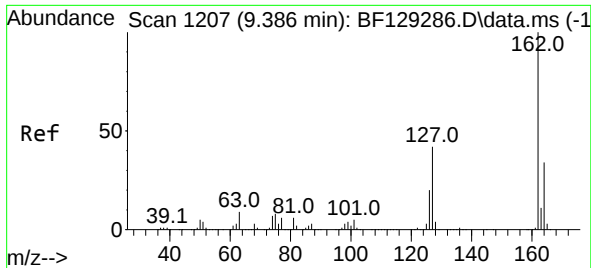
Tgt Ion:172 Resp: 1551324  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 23.8 19.8 29.8



#46  
1,1'-Biphenyl  
Concen: 8.429 ng  
RT: 9.351 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:154 Resp: 174636  
Ion Ratio Lower Upper  
154 100  
153 39.4 20.6 60.6  
76 12.0 0.0 33.3





#47

2-Chloronaphthalene

Concen: 7.974 ng

RT: 9.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

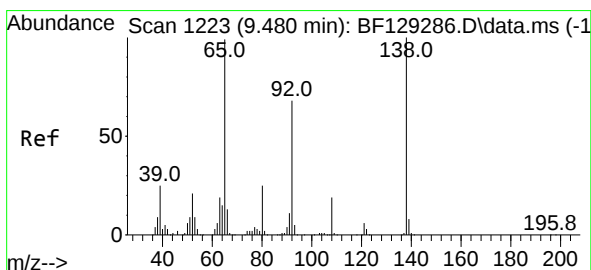
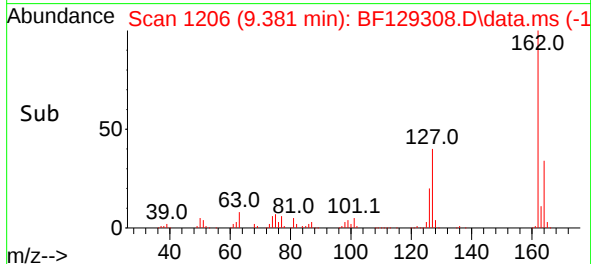
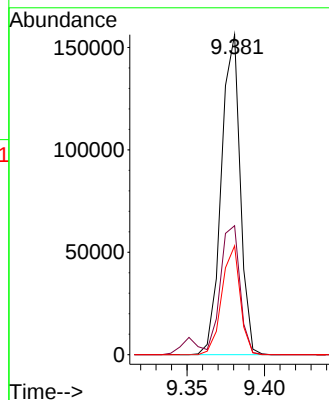
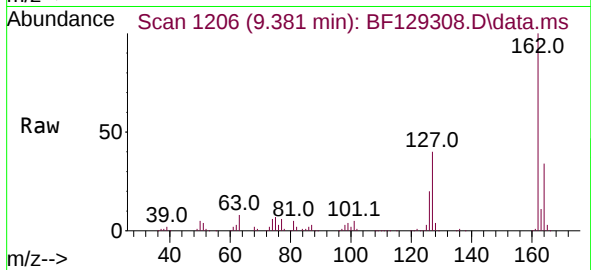
Tgt Ion:162 Resp: 132322

Ion Ratio Lower Upper

162 100

127 40.3 34.5 51.7

164 34.0 26.5 39.7



#48

2-Nitroaniline

Concen: 7.456 ng

RT: 9.469 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

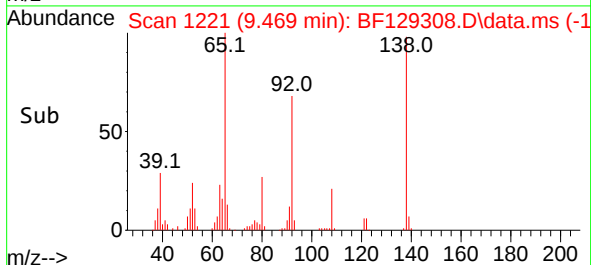
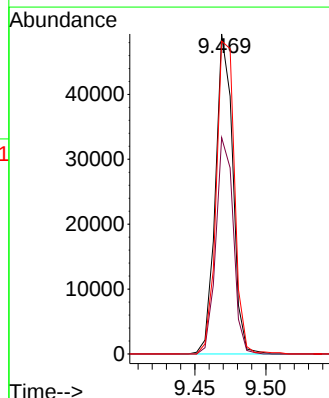
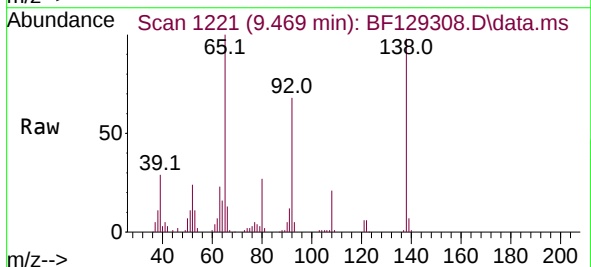
Tgt Ion: 65 Resp: 41556

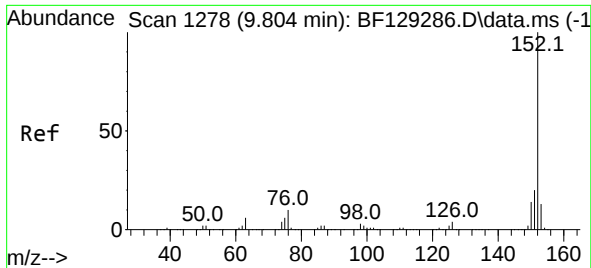
Ion Ratio Lower Upper

65 100

92 67.6 51.9 77.9

138 97.7 76.4 114.6

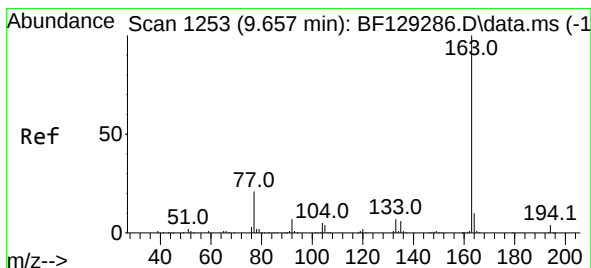
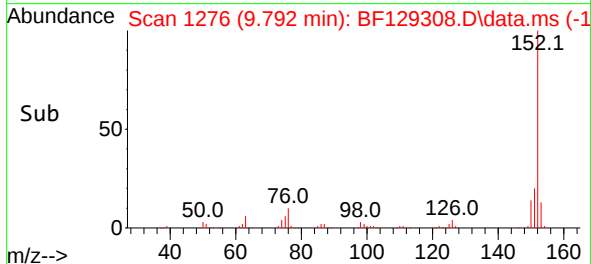
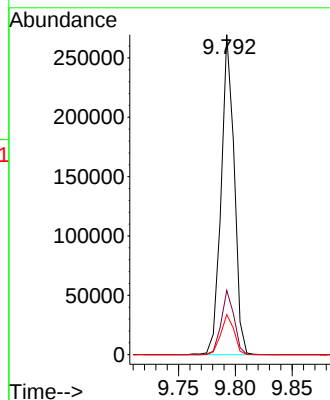
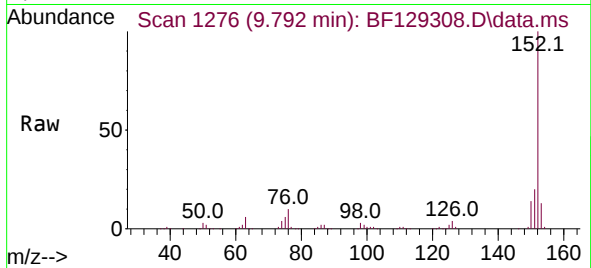




#49  
Acenaphthylene  
Concen: 8.485 ng  
RT: 9.792 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

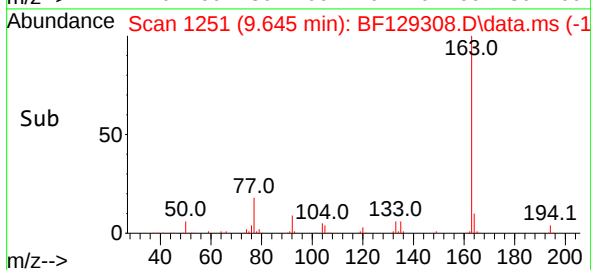
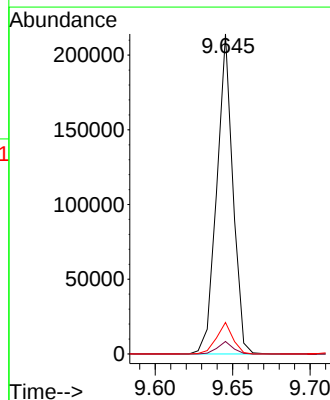
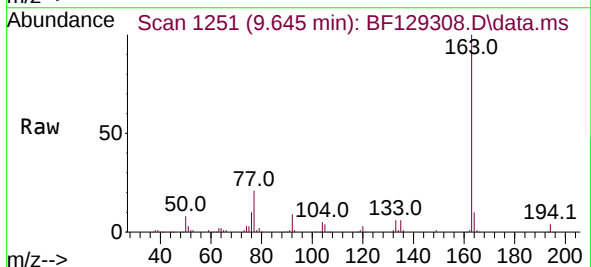
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

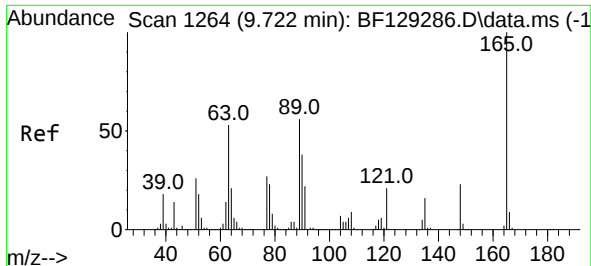
Tgt Ion:152 Resp: 216223  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 12.5 10.7 16.1



#50  
Dimethylphthalate  
Concen: 8.012 ng  
RT: 9.645 min Scan# 1251  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:163 Resp: 154325  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 7.790 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

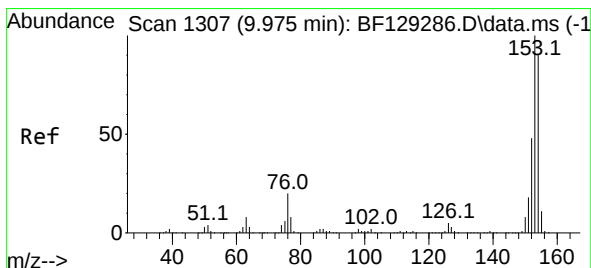
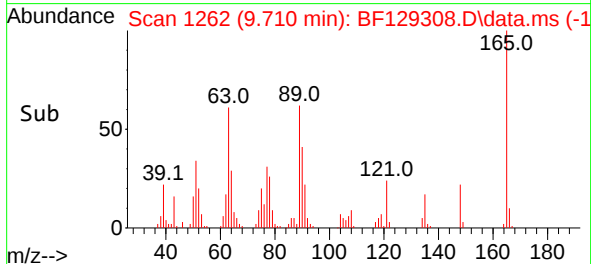
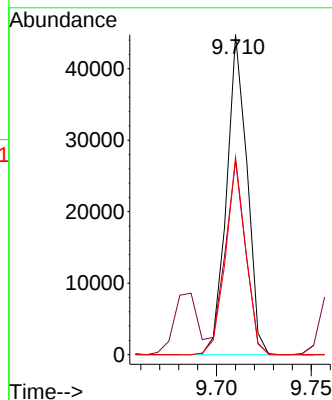
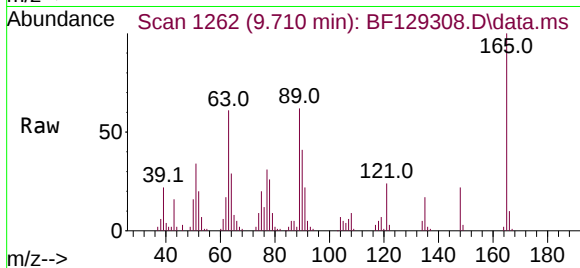
Tgt Ion:165 Resp: 33596

Ion Ratio Lower Upper

165 100

63 60.6 44.9 67.3

89 61.8 43.6 65.4



#52

Acenaphthene

Concen: 7.842 ng

RT: 9.963 min Scan# 1305

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

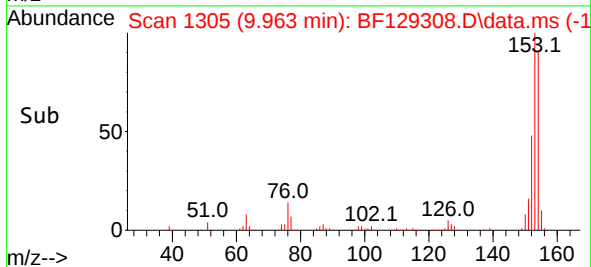
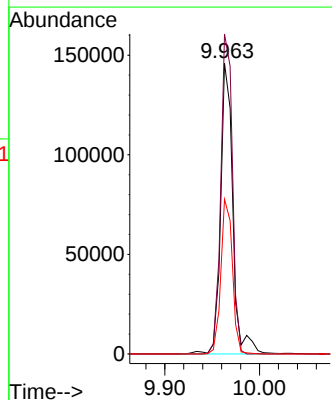
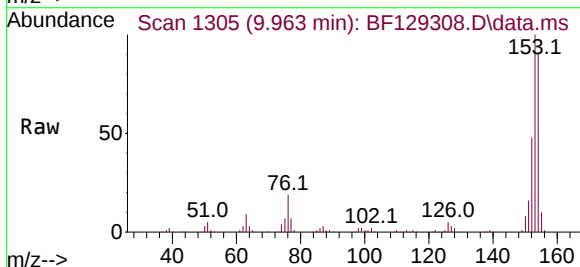
Tgt Ion:154 Resp: 129697

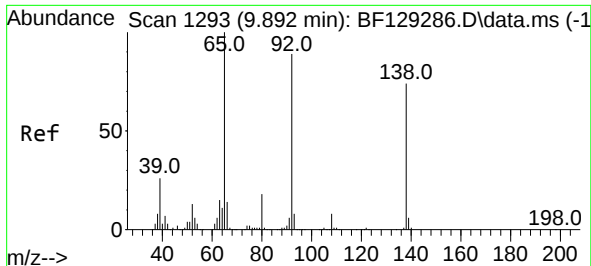
Ion Ratio Lower Upper

154 100

153 110.0 89.6 134.4

152 53.2 42.4 63.6

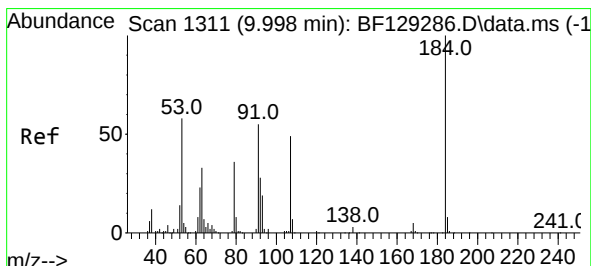
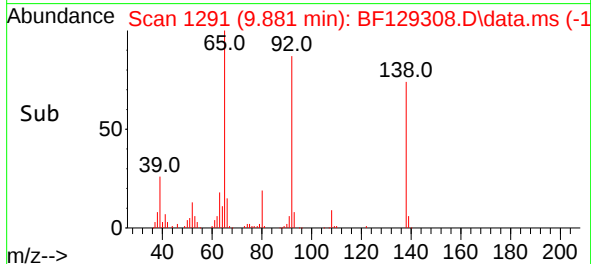
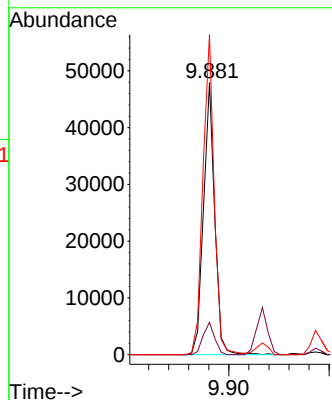
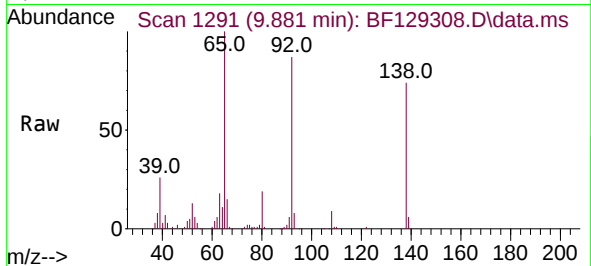




#53  
3-Nitroaniline  
Concen: 7.278 ng  
RT: 9.881 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

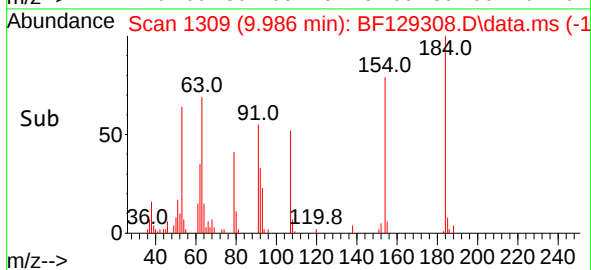
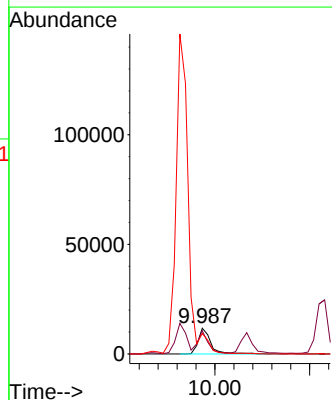
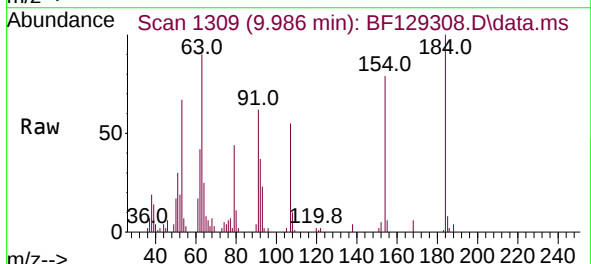
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

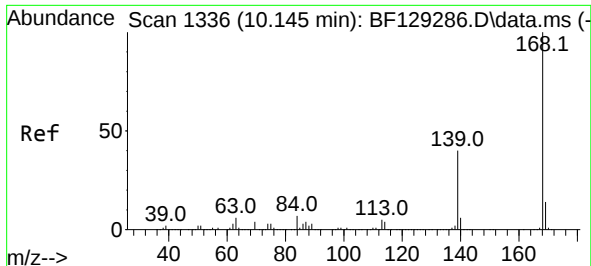
Tgt Ion:138 Resp: 37350  
Ion Ratio Lower Upper  
138 100  
108 11.9 10.9 16.3  
92 117.7 98.2 147.2



#54  
2,4-Dinitrophenol  
Concen: 4.979 ng  
RT: 9.986 min Scan# 1309  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:184 Resp: 10867  
Ion Ratio Lower Upper  
184 100  
63 90.0 64.5 96.7  
154 79.0 50.6 75.8

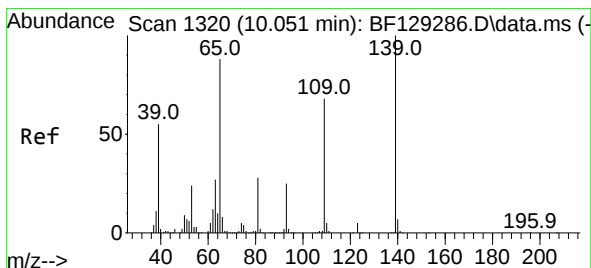
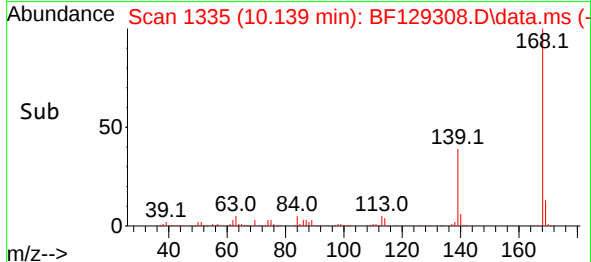
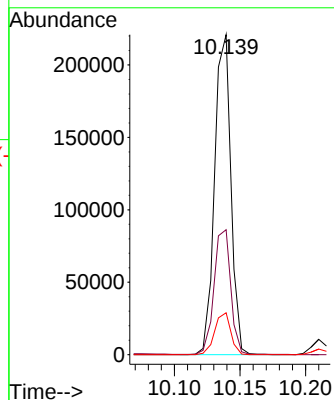
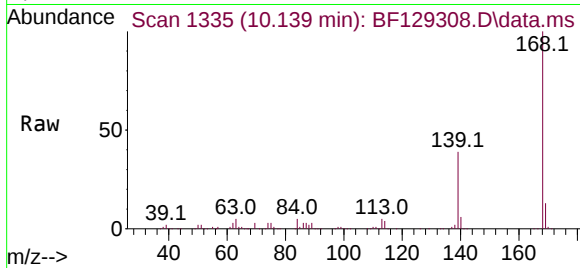




#55  
Dibenzenofuran  
Concen: 8.289 ng  
RT: 10.139 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

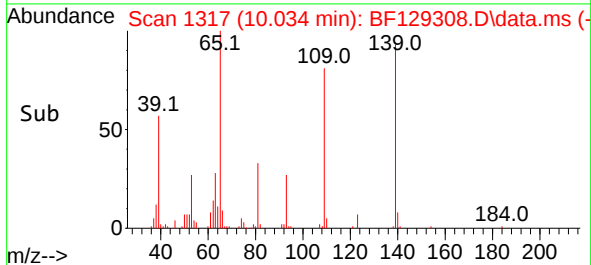
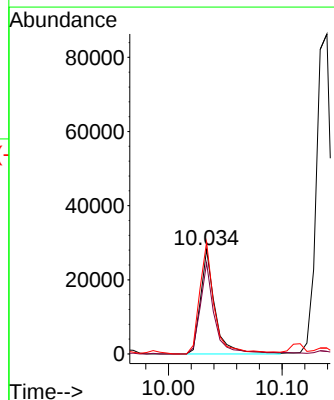
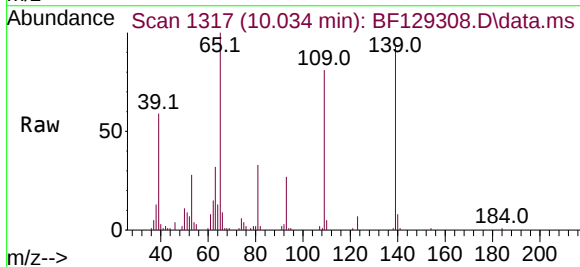
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

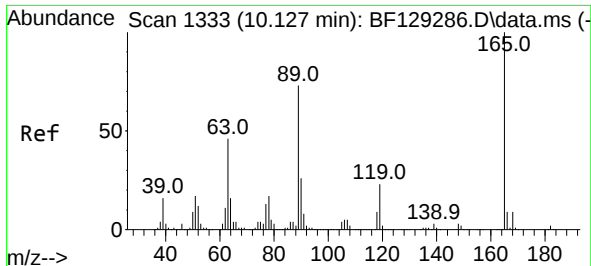
Tgt Ion:168 Resp: 190508  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.6 46.0  
169 13.1 11.0 16.6



#56  
4-Nitrophenol  
Concen: 6.673 ng  
RT: 10.034 min Scan# 1317  
Delta R.T. -0.017 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:139 Resp: 25008  
Ion Ratio Lower Upper  
139 100  
109 87.3 50.7 90.7  
65 107.3 74.5 114.5

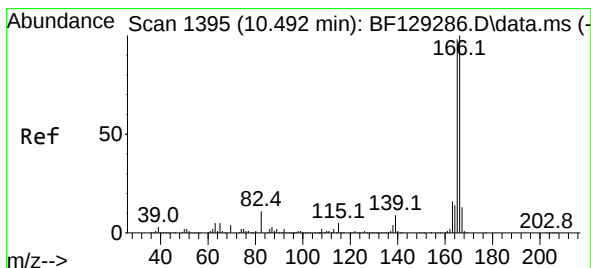
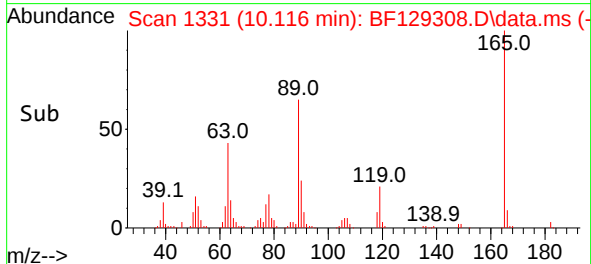
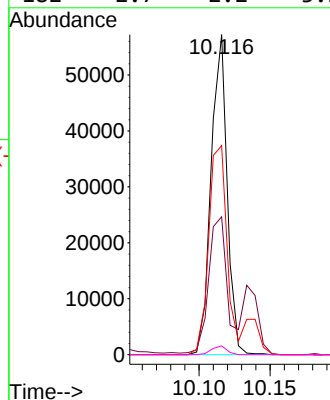
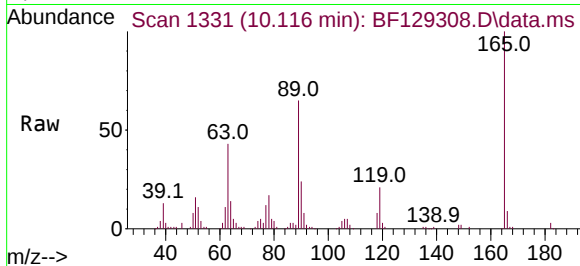




#57  
2,4-Dinitrotoluene  
Concen: 7.948 ng  
RT: 10.116 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

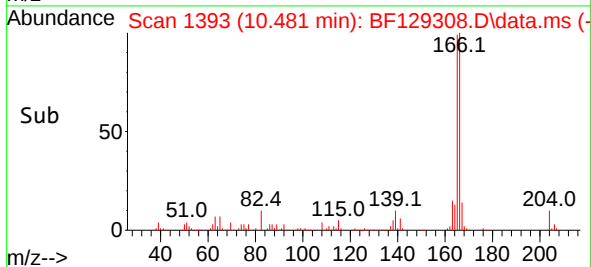
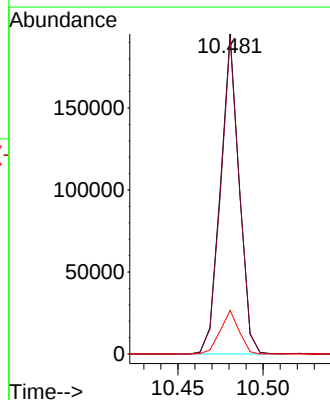
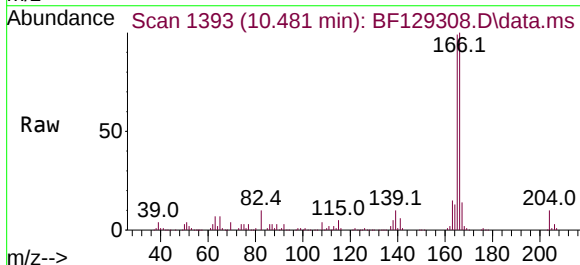
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

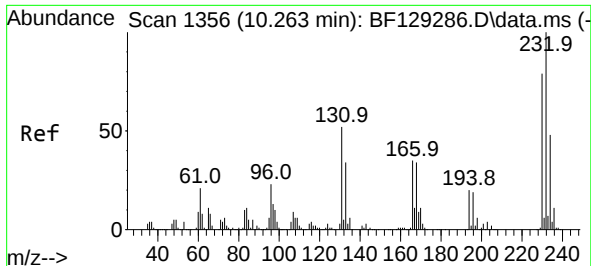
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 44937 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 43.1  | 39.8  | 59.6  |
| 89        | 65.4  | 60.2  | 90.2  |
| 182       | 2.7   | 2.2   | 3.2   |



#58  
Fluorene  
Concen: 8.092 ng  
RT: 10.481 min Scan# 1393  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 148441 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 98.9  | 78.1  | 117.1  |
| 167       | 13.6  | 10.5  | 15.7   |





#59

2,3,4,6-Tetrachlorophenol

Concen: 6.933 ng

RT: 10.210 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:232 Resp: 31186

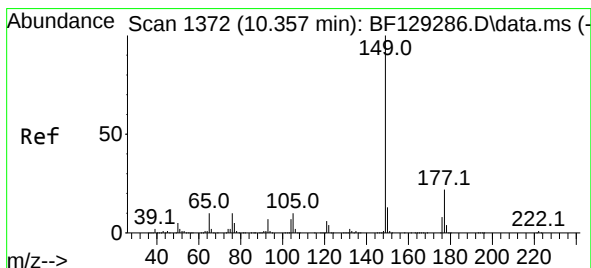
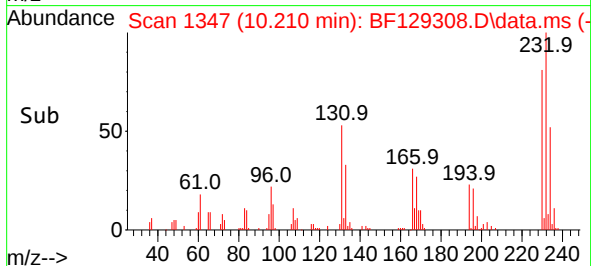
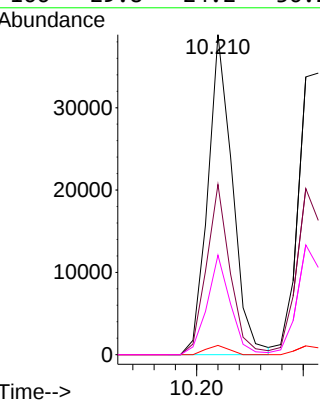
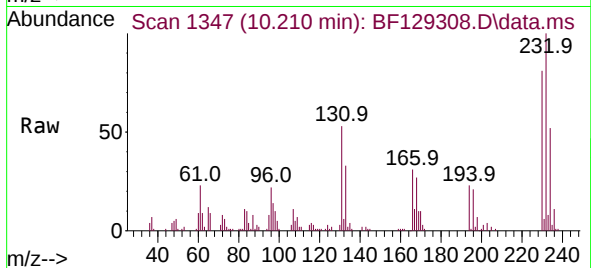
Ion Ratio Lower Upper

232 100

131 51.2 36.1 54.1

130 2.6 1.8 2.8

166 29.8 24.2 36.2



#60

Diethylphthalate

Concen: 8.111 ng

RT: 10.345 min Scan# 1370

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

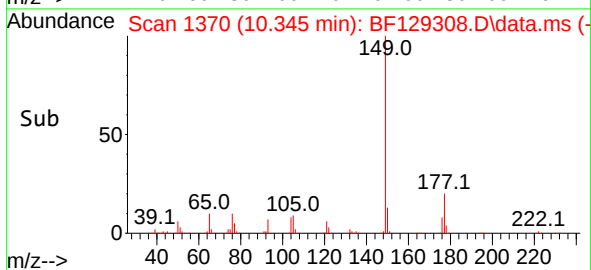
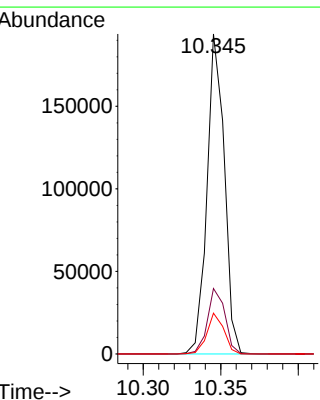
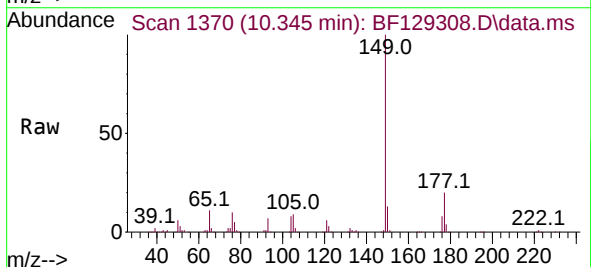
Tgt Ion:149 Resp: 150309

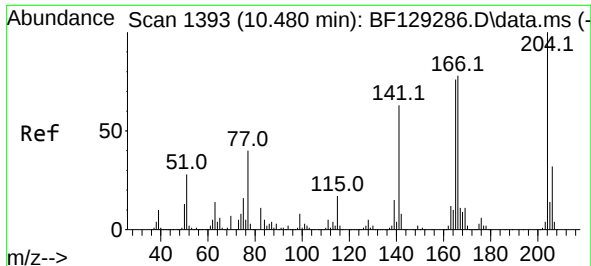
Ion Ratio Lower Upper

149 100

177 20.4 17.3 25.9

150 12.8 10.2 15.2

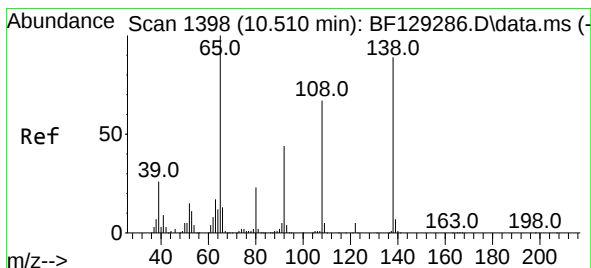
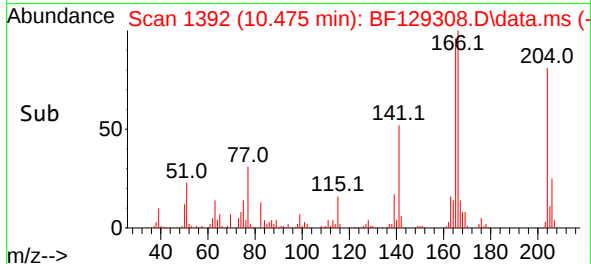
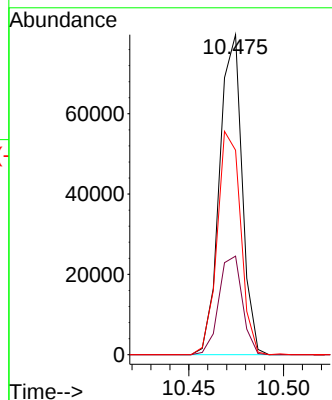
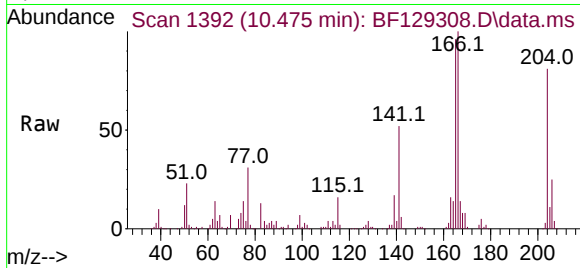




#61  
4-Chlorophenyl-phenylether  
Concen: 8.230 ng  
RT: 10.475 min Scan# 1392  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

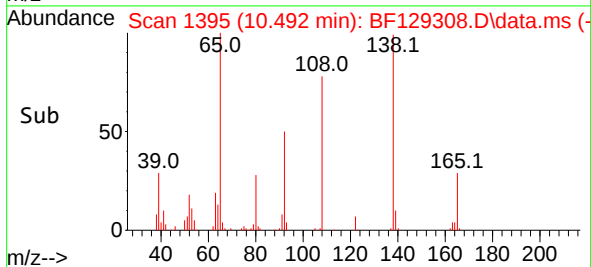
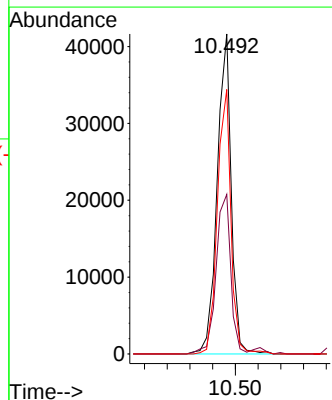
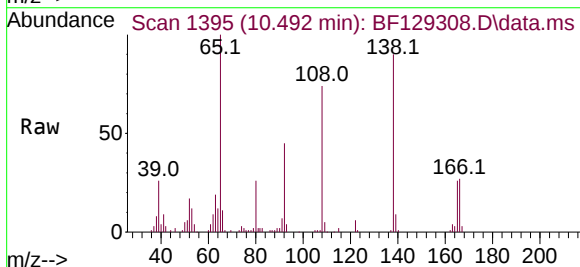
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

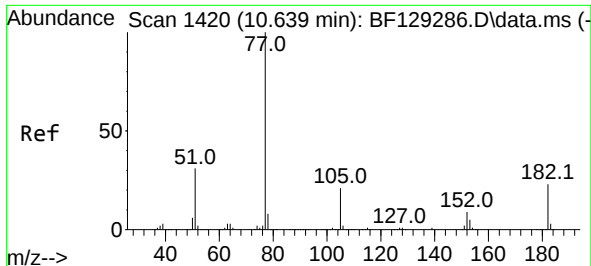
Tgt Ion:204 Resp: 66046  
Ion Ratio Lower Upper  
204 100  
206 30.8 25.8 38.6  
141 63.9 47.0 70.4



#62  
4-Nitroaniline  
Concen: 7.077 ng  
RT: 10.492 min Scan# 1395  
Delta R.T. -0.017 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:138 Resp: 35869  
Ion Ratio Lower Upper  
138 100  
92 49.8 33.5 73.5  
108 82.7 61.0 101.0

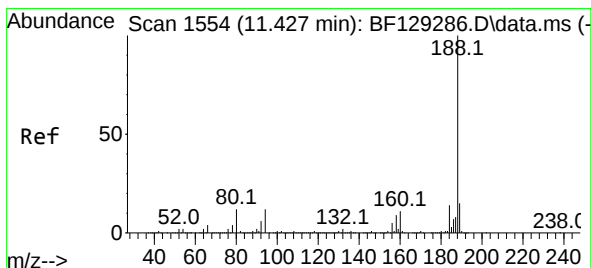
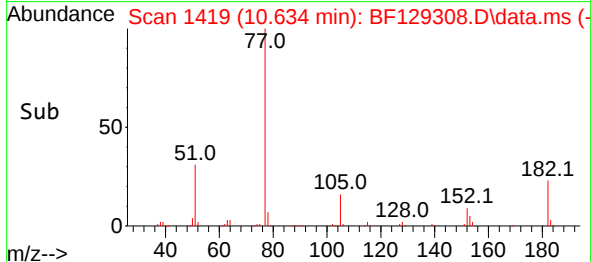
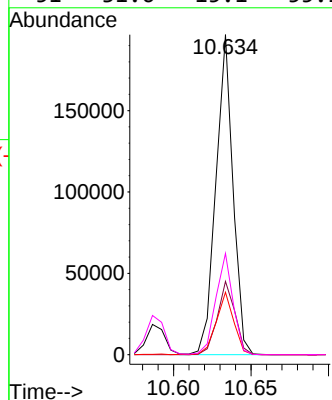
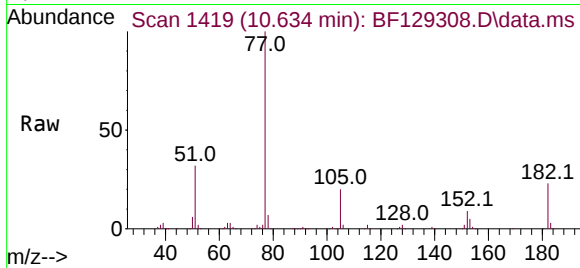




#63  
Azobenzene  
Concen: 7.858 ng  
RT: 10.634 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

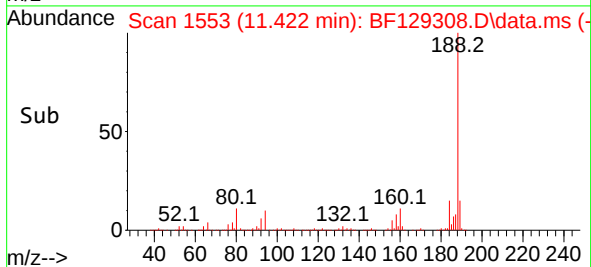
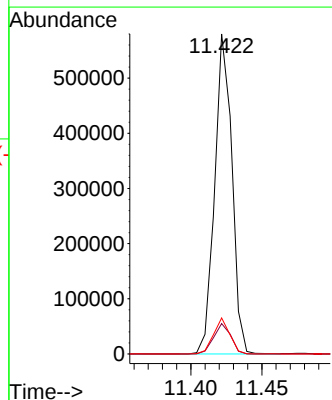
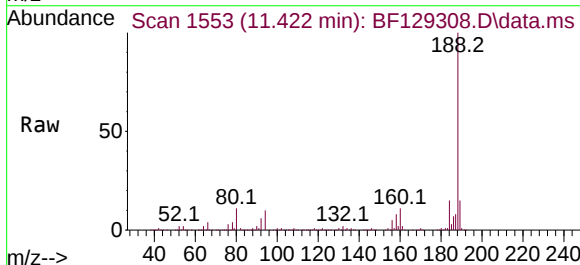
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

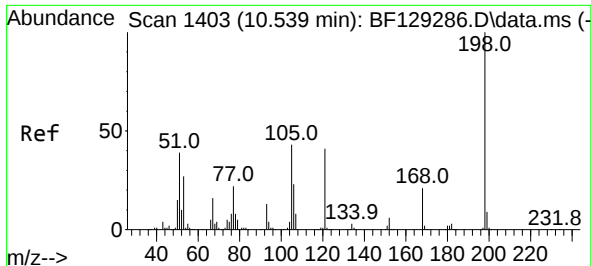
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 150655 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 22.9    | 5.6 45.6     |
| 105 19.5    | 1.6 41.6     |
| 51 31.6     | 15.1 55.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:188 | Resp: 488003 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 188 100     |              |       |  |
| 94 9.5      | 7.0          | 10.6  |  |
| 80 11.2     | 7.6          | 11.4  |  |

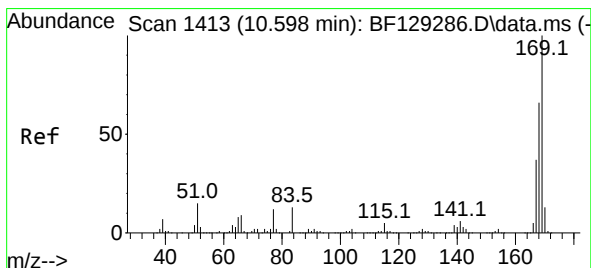
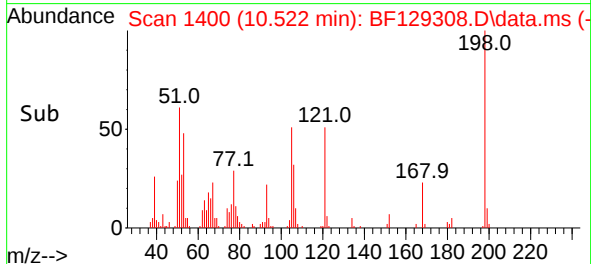
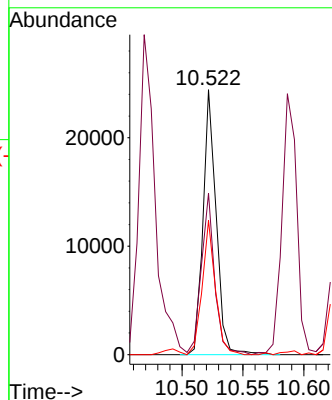
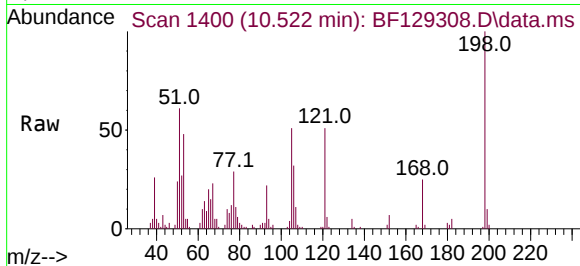




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.136 ng  
RT: 10.522 min Scan# 1411  
Delta R.T. -0.017 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

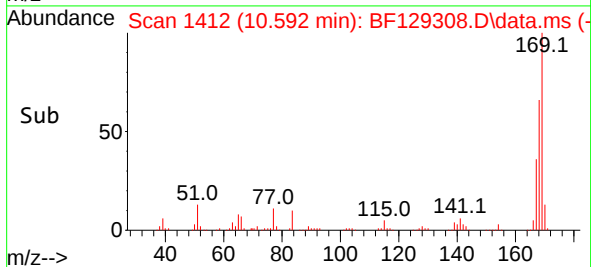
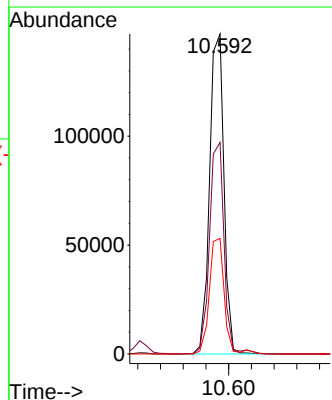
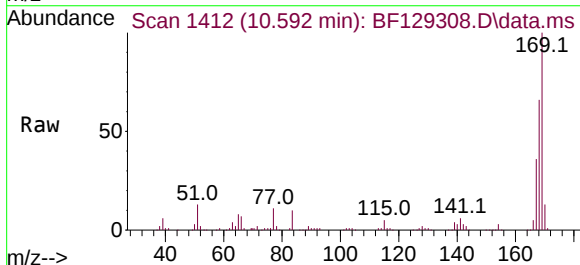
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

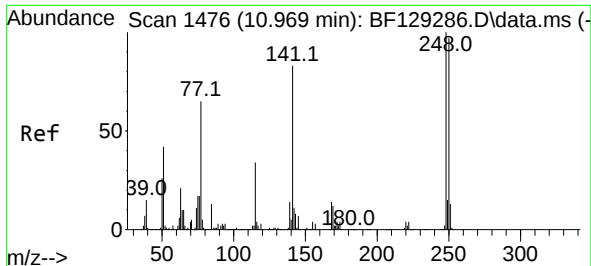
Tgt Ion:198 Resp: 18418  
Ion Ratio Lower Upper  
198 100  
51 60.9 37.6 77.6  
105 50.7 27.0 67.0



#66  
n-Nitrosodiphenylamine  
Concen: 7.953 ng  
RT: 10.592 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:169 Resp: 128305  
Ion Ratio Lower Upper  
169 100  
168 66.1 50.1 75.1  
167 36.1 27.9 41.9

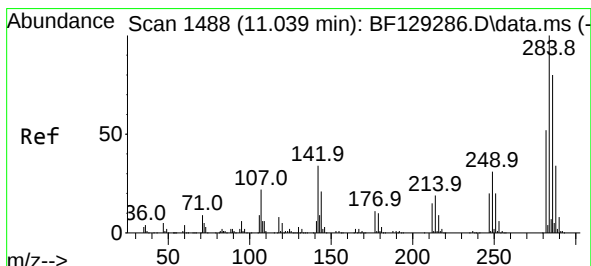
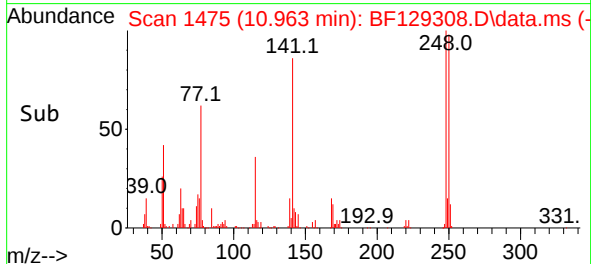
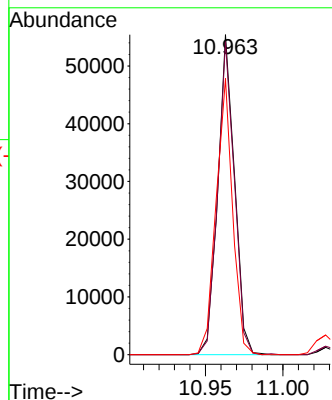
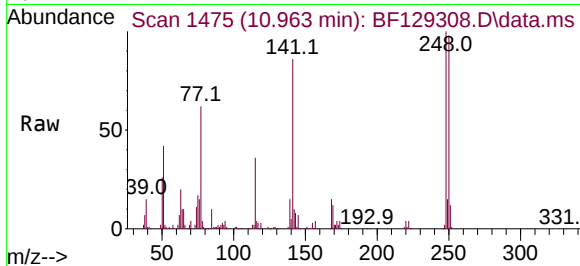




#67  
4-Bromophenyl-phenylether  
Concen: 7.913 ng  
RT: 10.963 min Scan# 1476  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

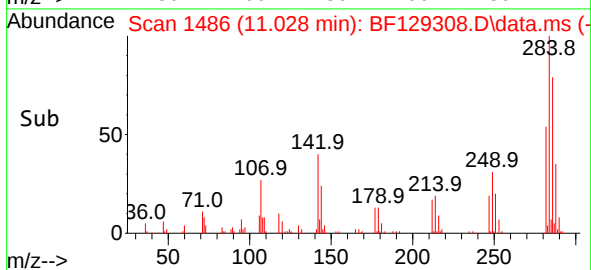
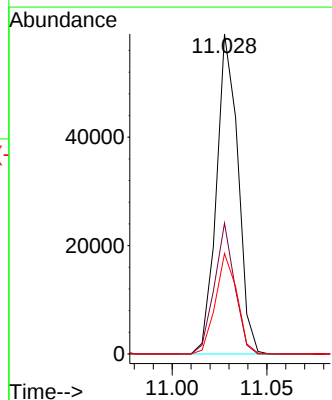
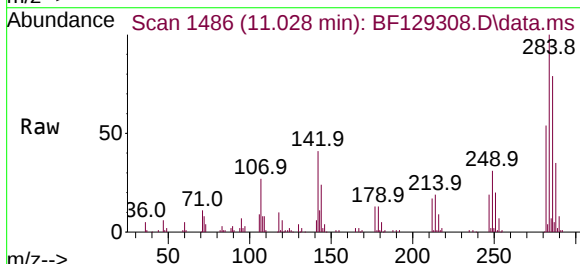
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

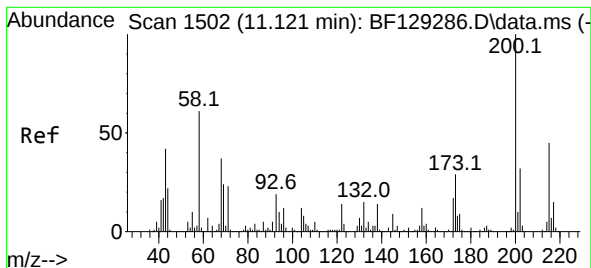
Tgt Ion:248 Resp: 41665  
Ion Ratio Lower Upper  
248 100  
250 97.8 80.6 120.8  
141 86.3 58.9 88.3



#68  
Hexachlorobenzene  
Concen: 8.097 ng  
RT: 11.028 min Scan# 1486  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:284 Resp: 46695  
Ion Ratio Lower Upper  
284 100  
142 40.9 29.0 43.4  
249 31.4 25.0 37.6





#69

Atrazine

Concen: 8.304 ng

RT: 11.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

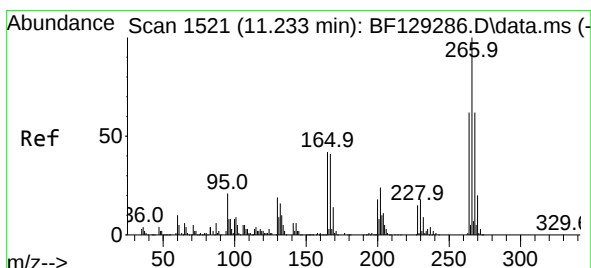
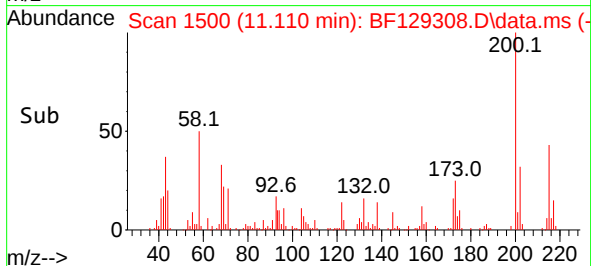
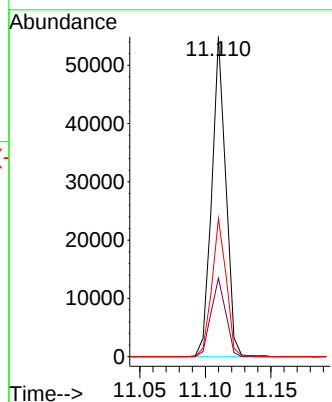
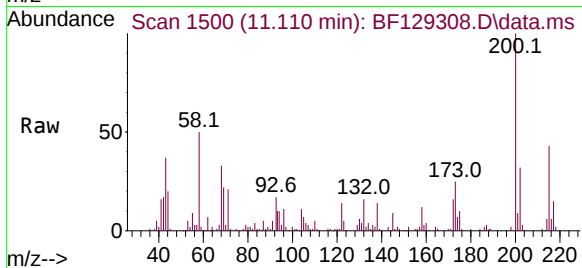
Tgt Ion:200 Resp: 40944

Ion Ratio Lower Upper

200 100

173 24.6 6.3 46.3

215 43.2 28.3 68.3



#70

Pentachlorophenol

Concen: 6.187 ng

RT: 11.222 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

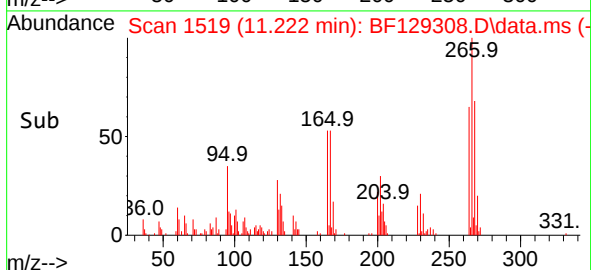
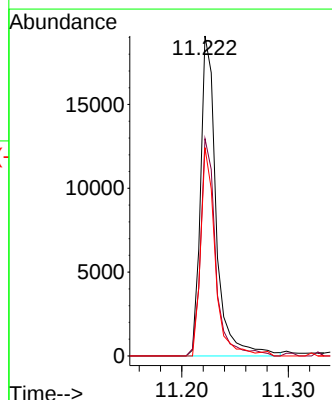
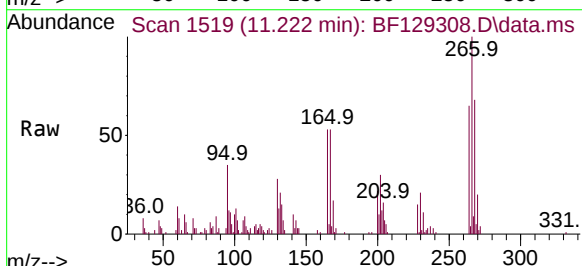
Tgt Ion:266 Resp: 19615

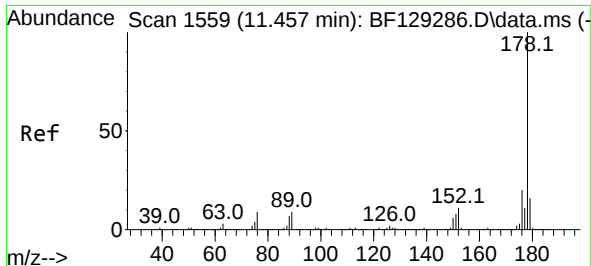
Ion Ratio Lower Upper

266 100

268 67.9 51.0 76.4

264 65.1 49.4 74.2

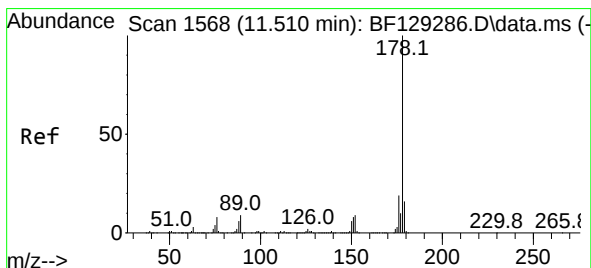
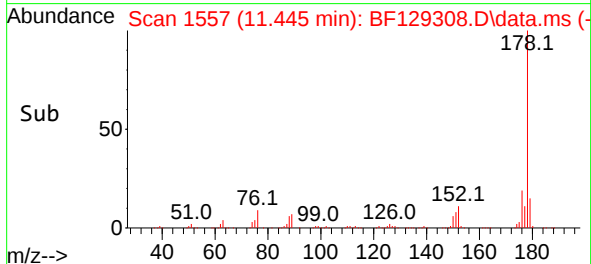
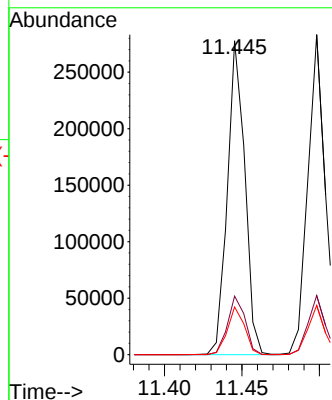
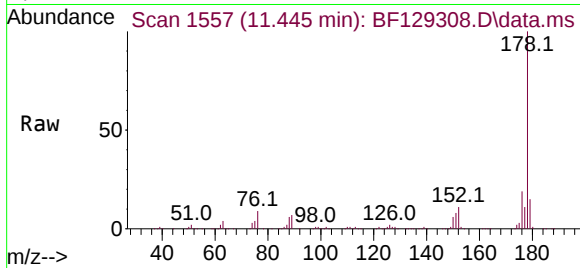




#71  
Phenanthrene  
Concen: 8.121 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

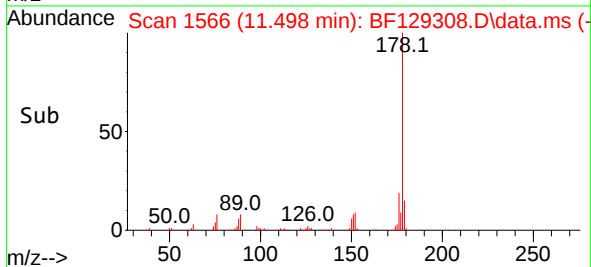
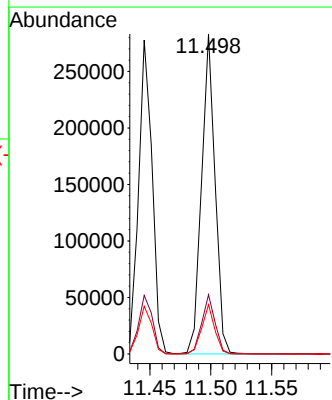
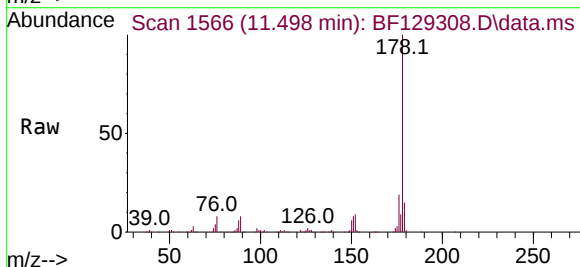
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

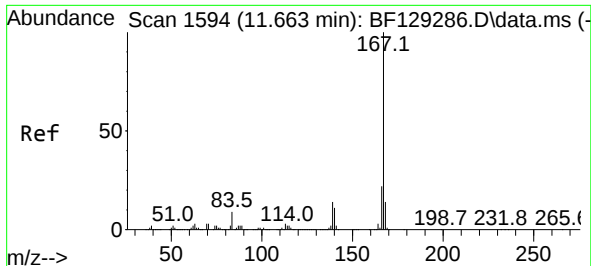
Tgt Ion:178 Resp: 217526  
Ion Ratio Lower Upper  
178 100  
176 18.6 16.0 24.0  
179 15.2 12.6 19.0



#72  
Anthracene  
Concen: 8.266 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:178 Resp: 219381  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.4 23.2  
179 15.4 12.6 19.0

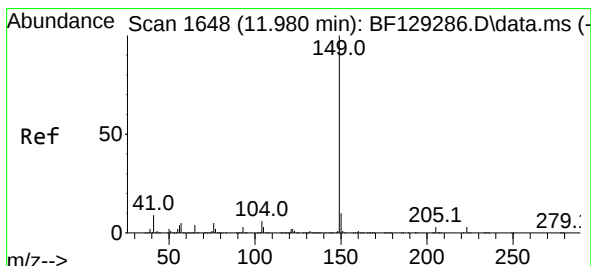
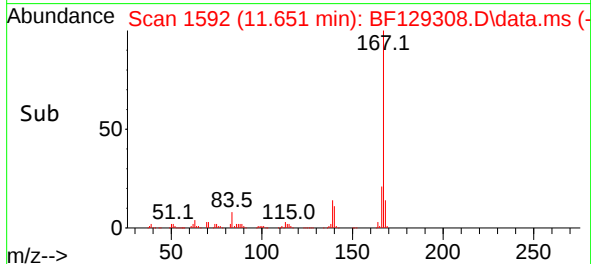
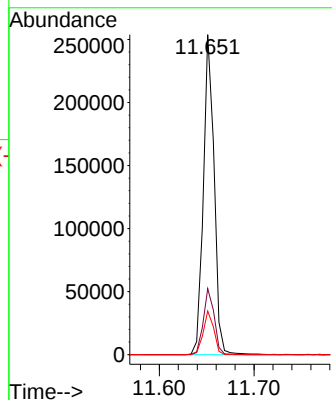
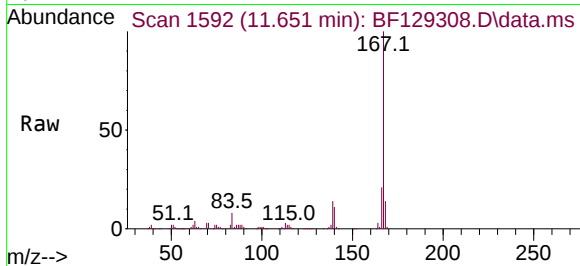




#73  
 Carbazole  
 Concen: 8.118 ng  
 RT: 11.651 min Scan# 1592  
 Delta R.T. -0.012 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18

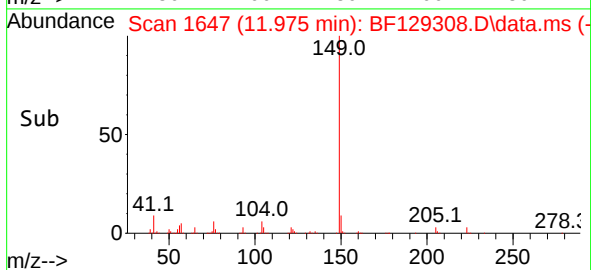
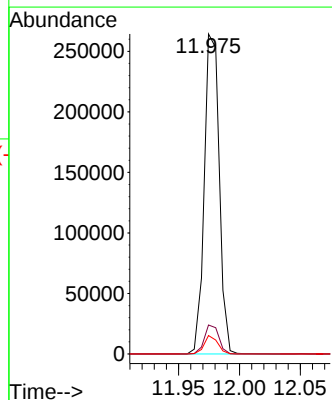
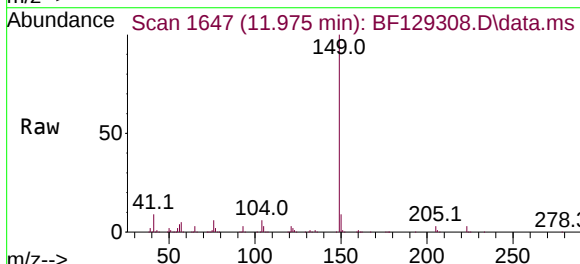
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2022

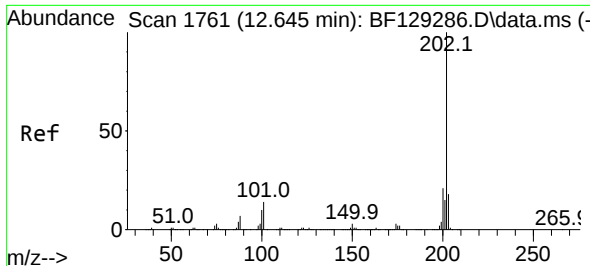
|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 200983 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 20.6    | 17.7 26.5    |
| 139 13.6    | 11.2 16.8    |



#74  
 Di-n-butylphthalate  
 Concen: 7.906 ng  
 RT: 11.975 min Scan# 1647  
 Delta R.T. -0.006 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 226161 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 150 9.0     | 7.5 11.3     |
| 104 5.7     | 4.4 6.6      |

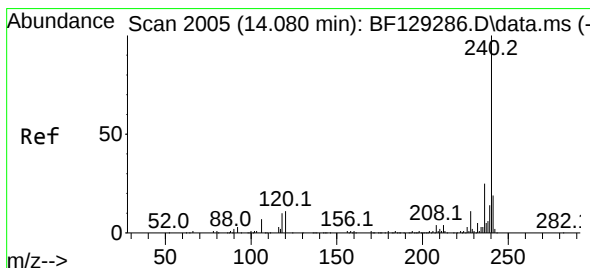
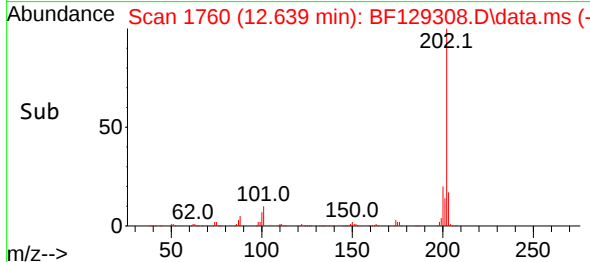
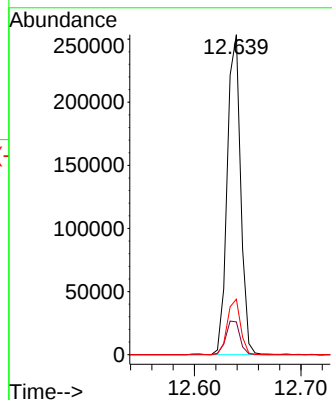
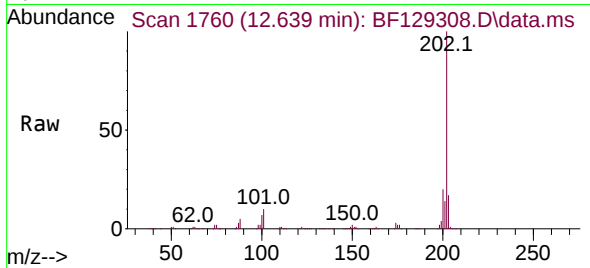




#75  
Fluoranthene  
Concen: 8.111 ng  
RT: 12.639 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

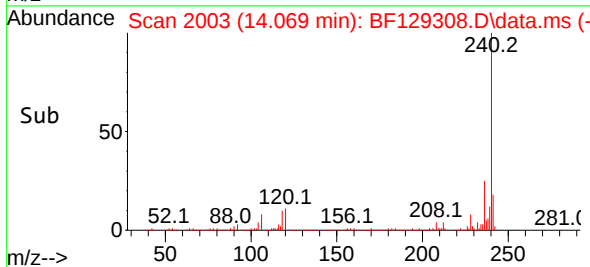
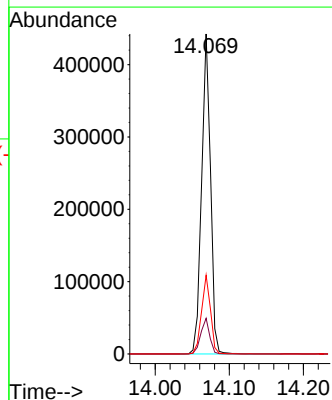
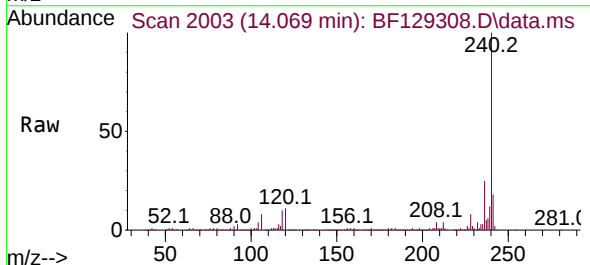
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

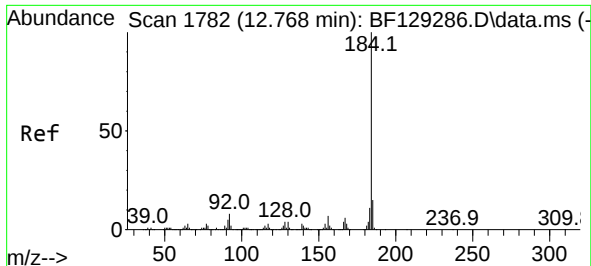
Tgt Ion:202 Resp: 221403  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 31.4  
203 17.3 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2003  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:240 Resp: 367735  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.9 13.3  
236 24.6 20.8 31.2

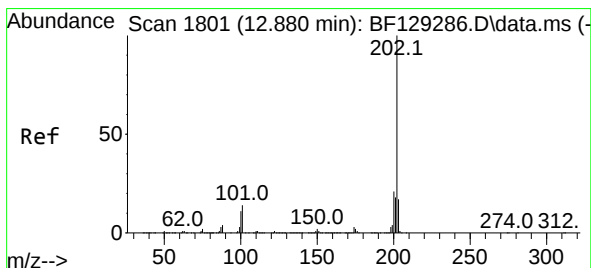
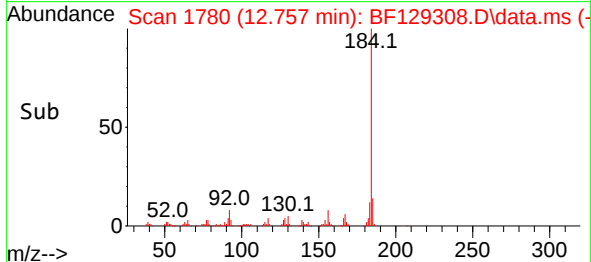
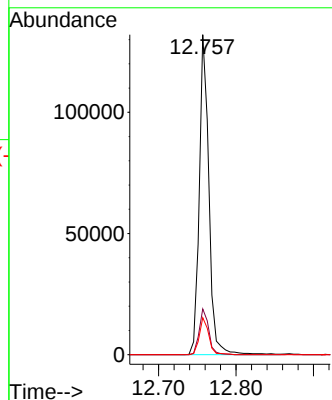
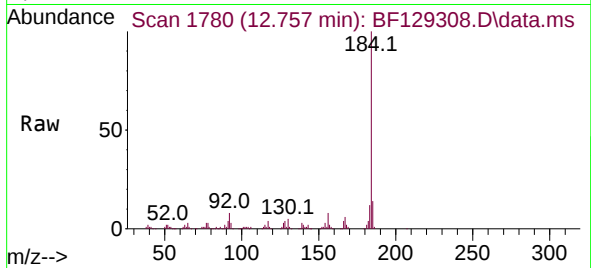




#77  
Benzidine  
Concen: 7.755 ng  
RT: 12.757 min Scan# 1799  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

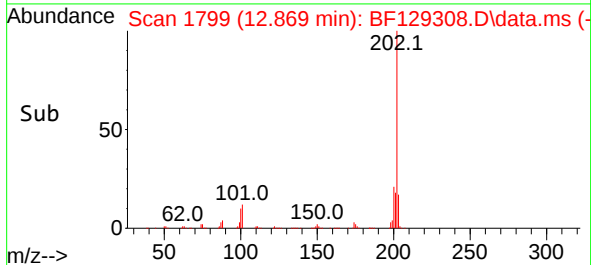
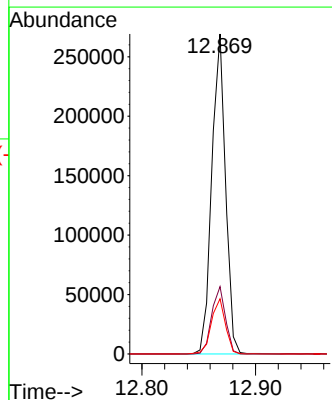
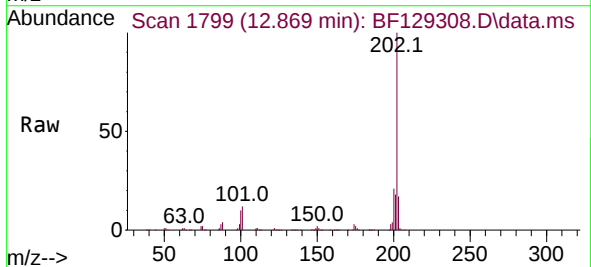
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

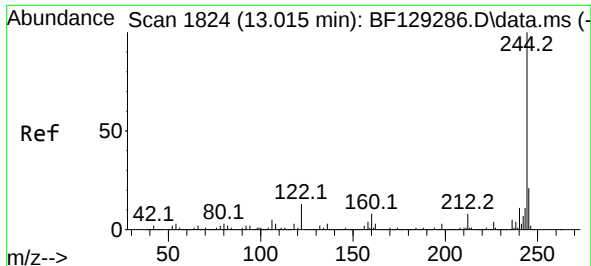
Tgt Ion:184 Resp: 113648  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.9 17.9  
183 11.5 9.3 13.9



#78  
Pyrene  
Concen: 7.166 ng  
RT: 12.869 min Scan# 1799  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

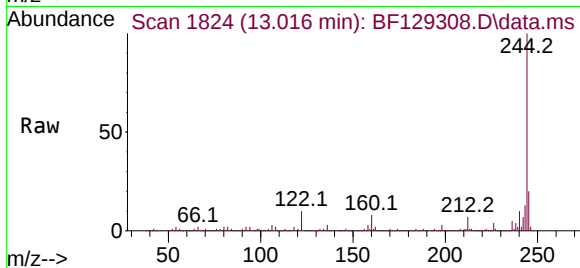
Tgt Ion:202 Resp: 225392  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.7 26.5  
203 17.2 14.6 21.8





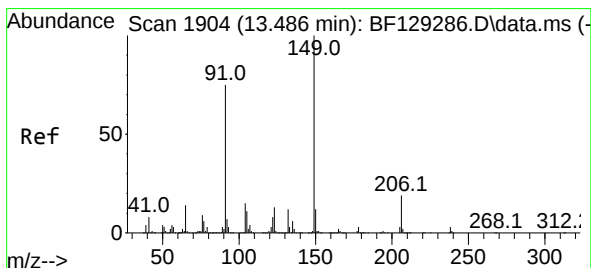
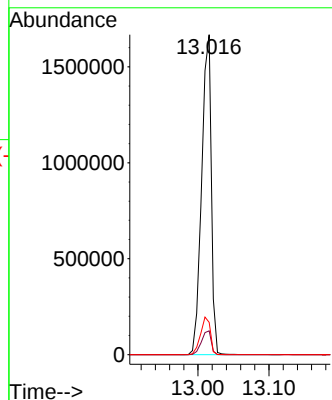
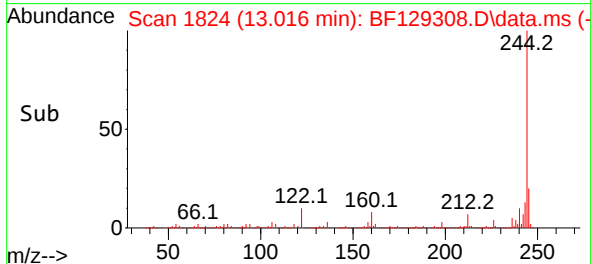
#79  
 Terphenyl-d14  
 Concen: 79.982 ng  
 RT: 13.016 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MDL-SOIL-03-QT2-2022

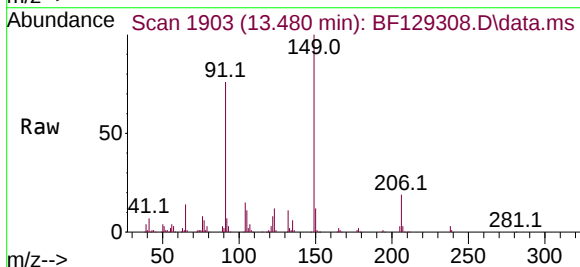


Tgt Ion:244 Resp: 1579237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 6.1   | 9.1   |
| 122 | 10.1  | 8.8   | 13.2  |

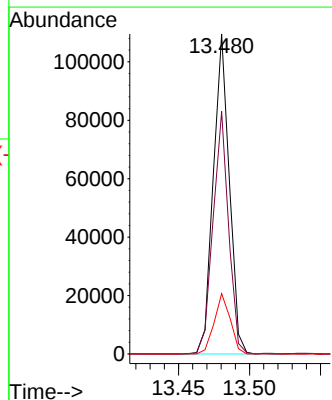
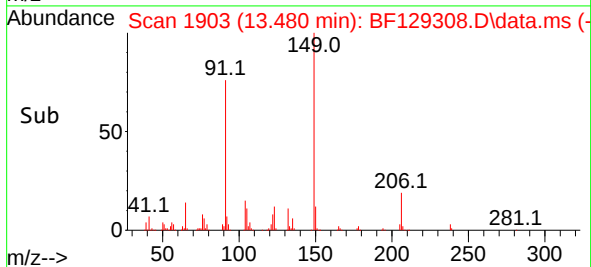


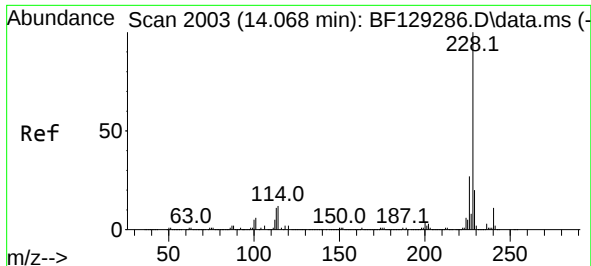
#80  
 Butylbenzylphthalate  
 Concen: 6.656 ng  
 RT: 13.480 min Scan# 1903  
 Delta R.T. -0.006 min  
 Lab File: BF129308.D  
 Acq: 22 Jul 2022 10:18



Tgt Ion:149 Resp: 85425

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 75.8  | 61.2  | 91.8  |
| 206 | 18.8  | 15.7  | 23.5  |

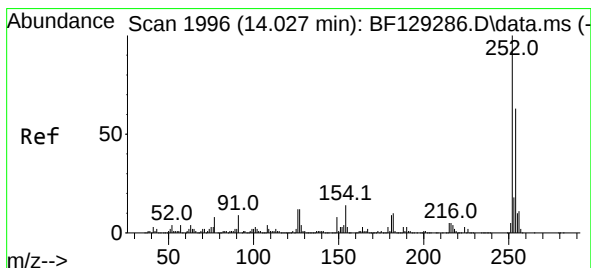
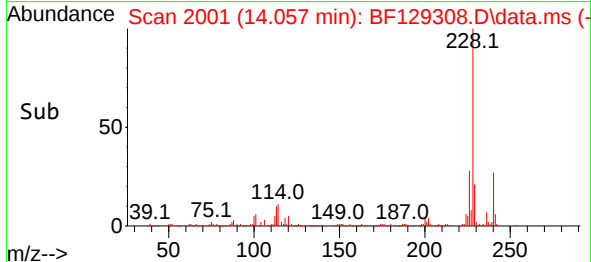
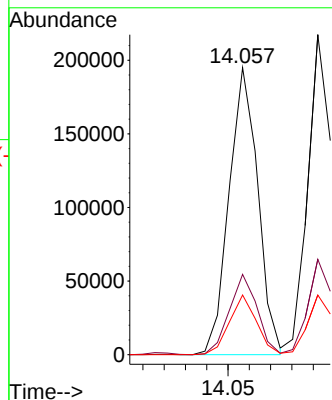
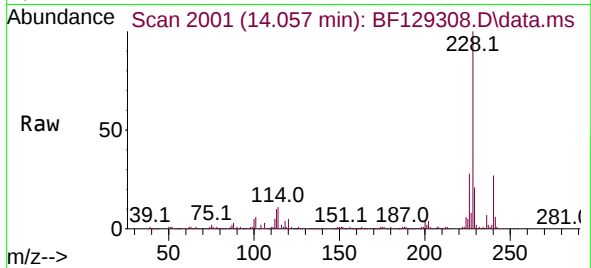




#81  
Benzo(a)anthracene  
Concen: 7.258 ng  
RT: 14.057 min Scan# 2003  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

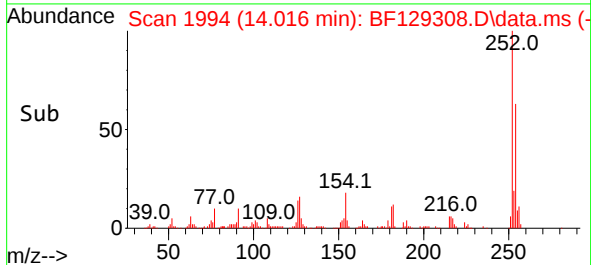
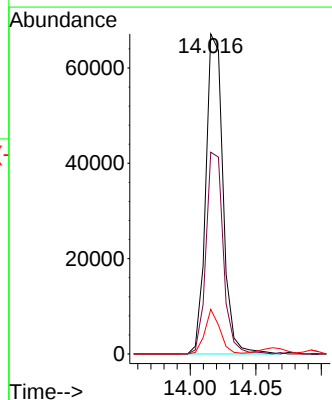
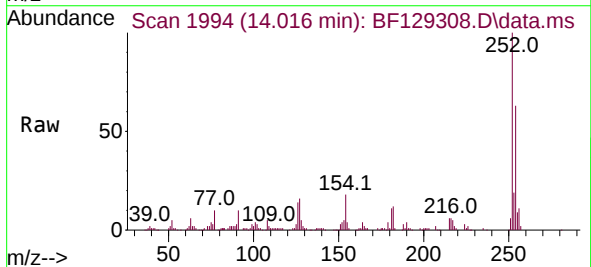
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

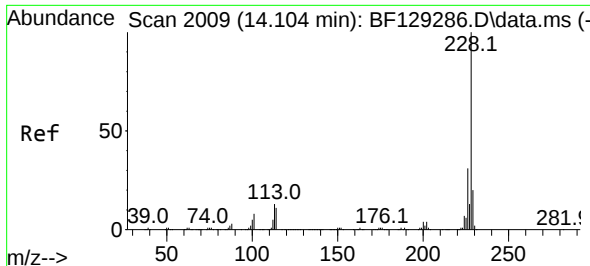
Tgt Ion:228 Resp: 183796  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.1 33.1  
229 20.8 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 7.409 ng  
RT: 14.016 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:252 Resp: 61587  
Ion Ratio Lower Upper  
252 100  
254 63.1 50.2 75.4  
126 14.0 8.2 12.4

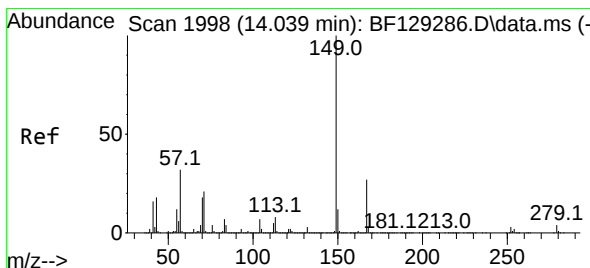
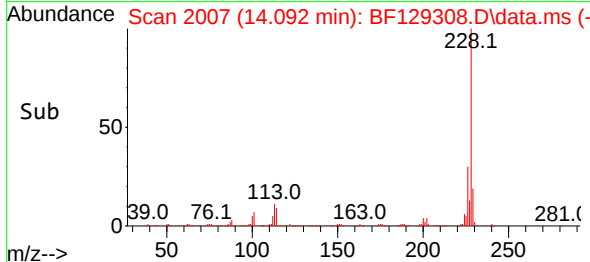
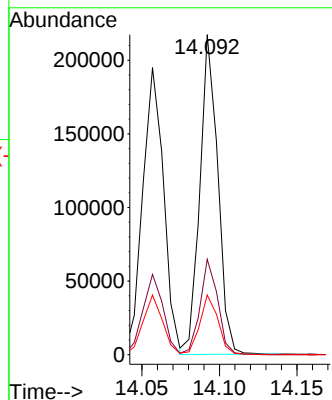
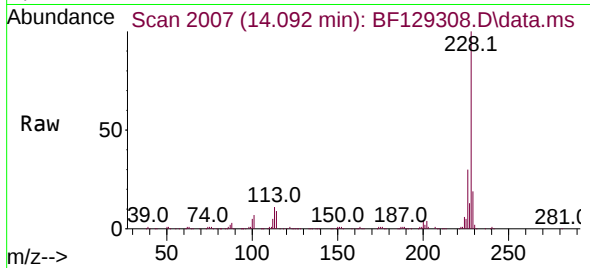




#83  
Chrysene  
Concen: 7.315 ng  
RT: 14.092 min Scan# 2009  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

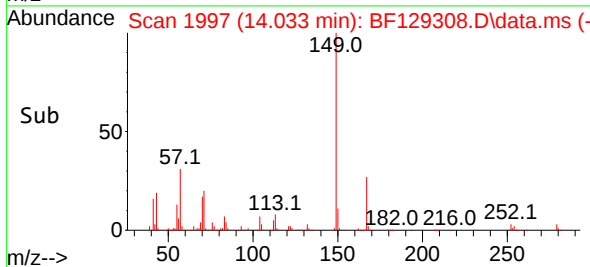
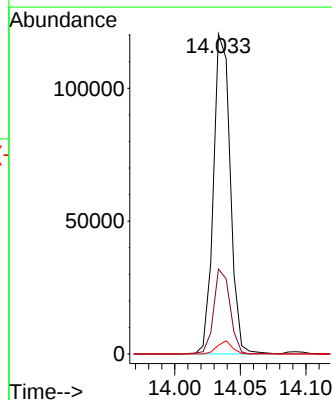
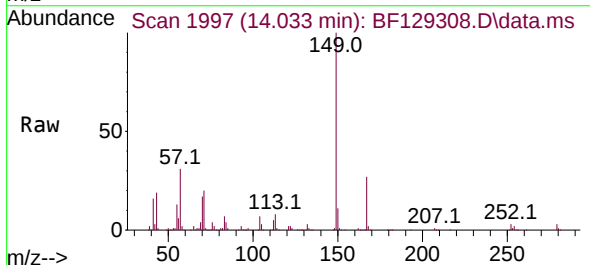
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

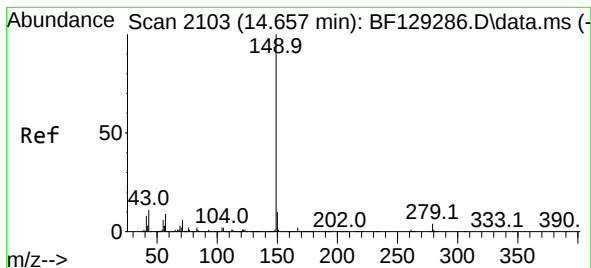
Tgt Ion:228 Resp: 174823  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.3 36.5  
229 18.6 15.9 23.9



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.824 ng  
RT: 14.033 min Scan# 1997  
Delta R.T. -0.006 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:149 Resp: 107556  
Ion Ratio Lower Upper  
149 100  
167 26.5 21.0 31.4  
279 2.7 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 6.492 ng

RT: 14.651 min Scan# 2102

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA\_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

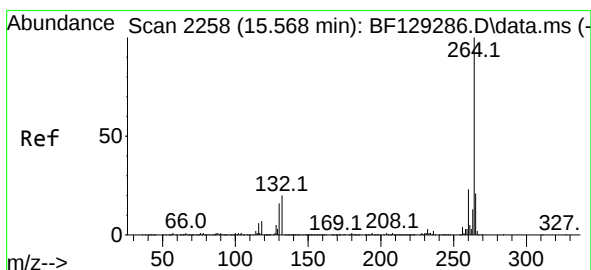
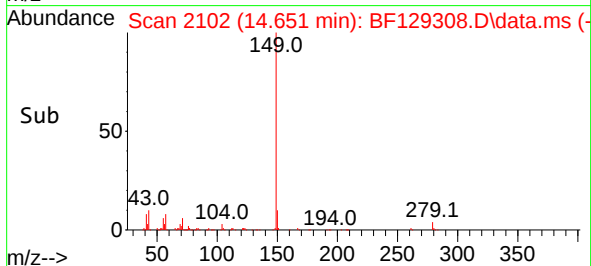
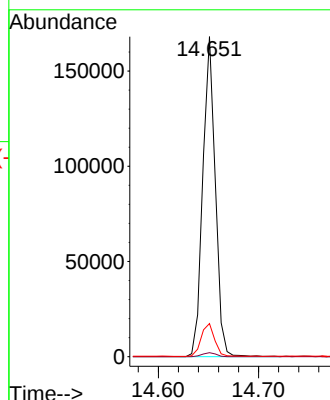
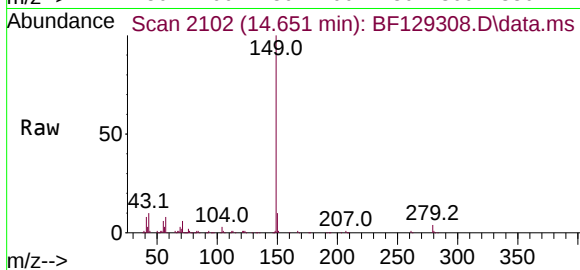
Tgt Ion:149 Resp: 146432

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

43 11.1 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

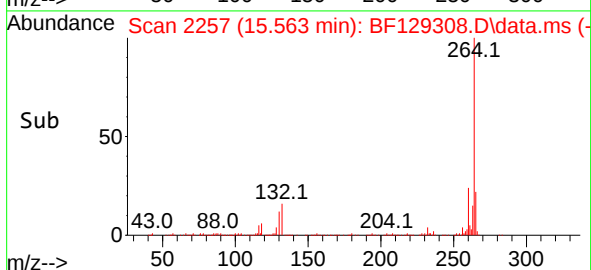
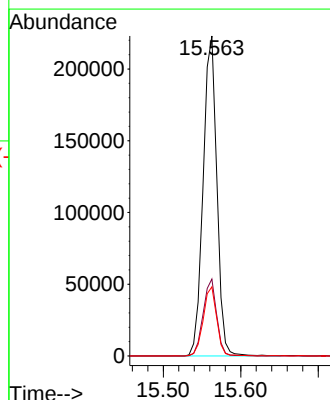
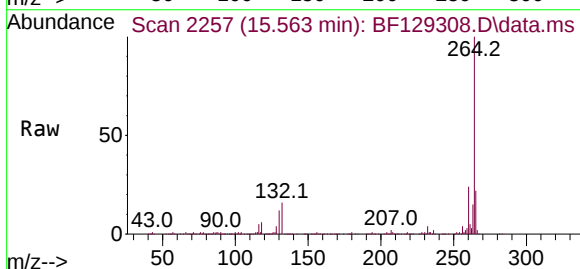
Tgt Ion:264 Resp: 274738

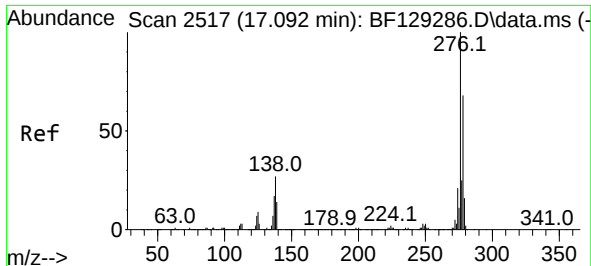
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.6 17.2 25.8

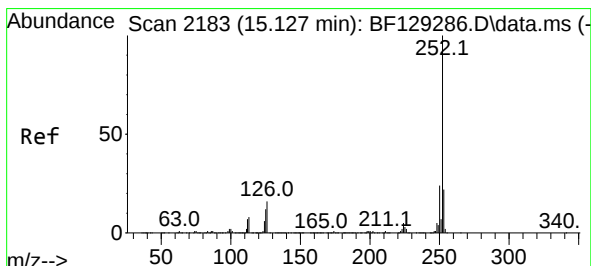
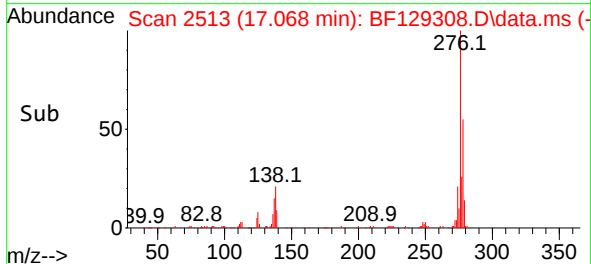
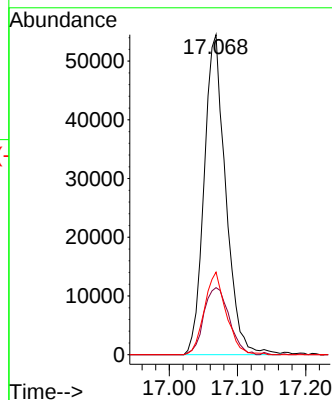
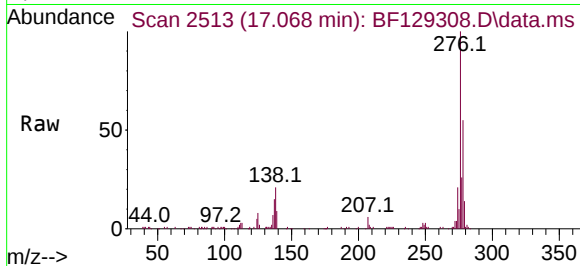




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.381 ng  
RT: 17.068 min Scan# 211  
Delta R.T. -0.023 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

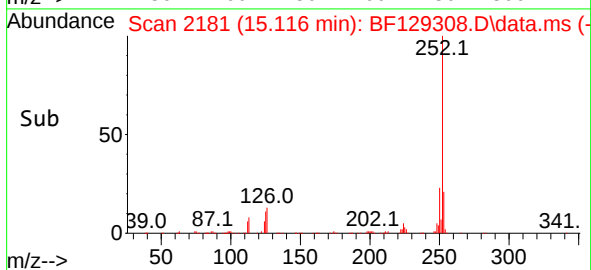
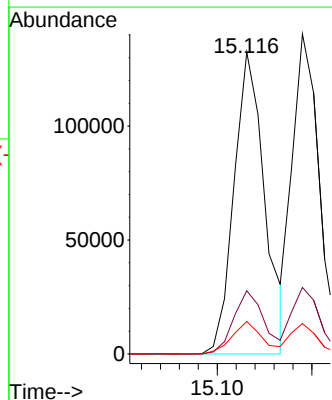
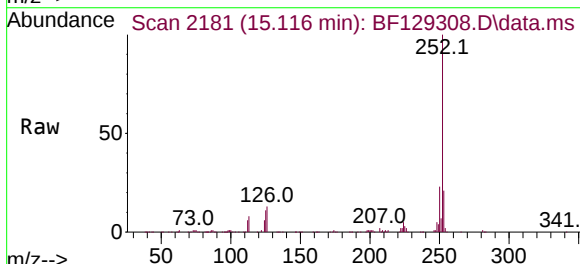
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

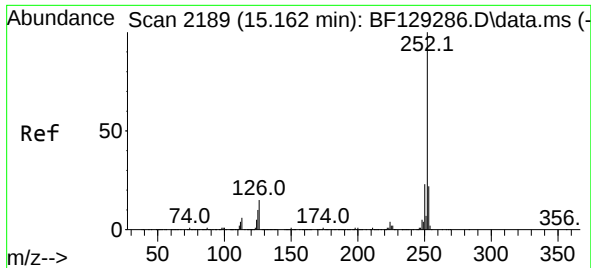
Tgt Ion:276 Resp: 120186  
Ion Ratio Lower Upper  
276 100  
138 24.5 21.1 31.7  
277 26.0 20.3 30.5



#88  
Benzo(b)fluoranthene  
Concen: 8.158 ng  
RT: 15.116 min Scan# 2181  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:252 Resp: 149186  
Ion Ratio Lower Upper  
252 100  
253 20.9 17.7 26.5  
125 10.8 8.0 12.0

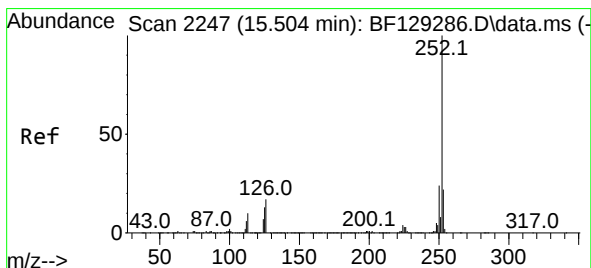
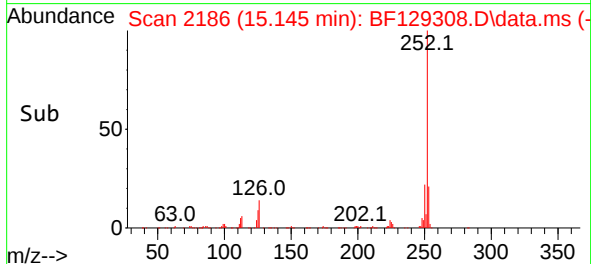
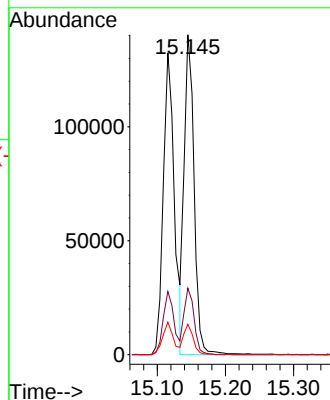
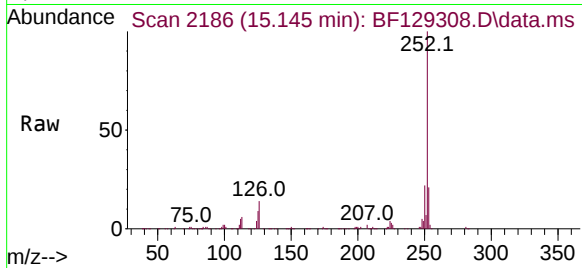




#89  
Benzo(k)fluoranthene  
Concen: 7.945 ng  
RT: 15.145 min Scan# 2189  
Delta R.T. -0.017 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

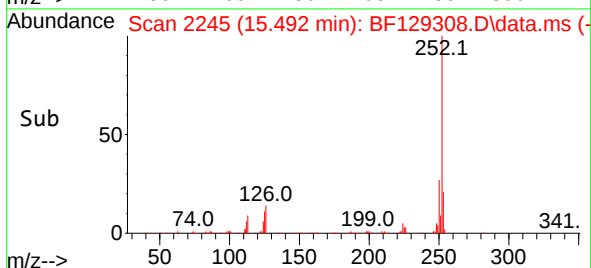
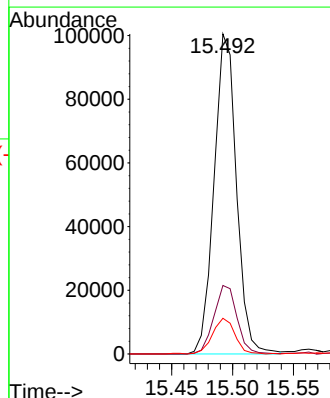
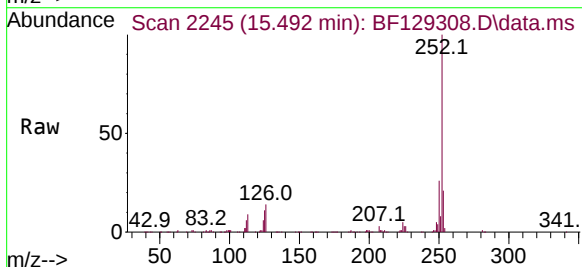
Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

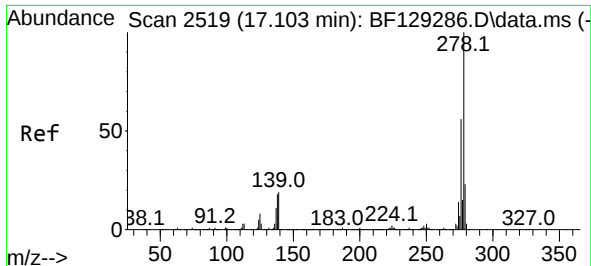
Tgt Ion:252 Resp: 141062  
Ion Ratio Lower Upper  
252 100  
253 20.8 17.8 26.6  
125 9.5 8.3 12.5



#90  
Benzo(a)pyrene  
Concen: 8.679 ng  
RT: 15.492 min Scan# 2245  
Delta R.T. -0.012 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:252 Resp: 128418  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.0 25.6  
125 11.2 8.8 13.2

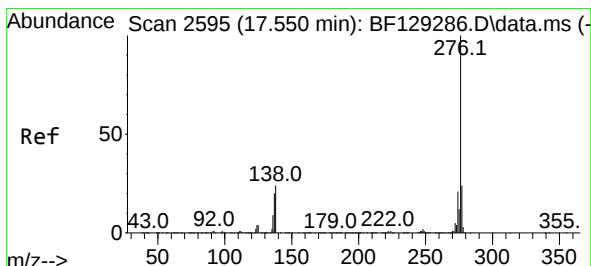
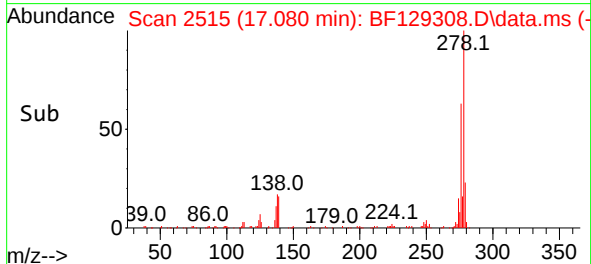
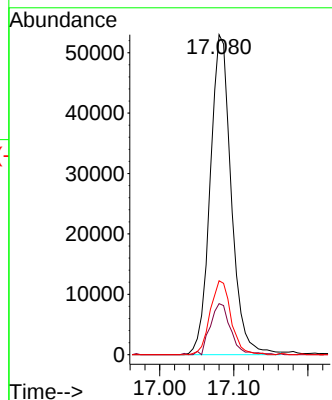
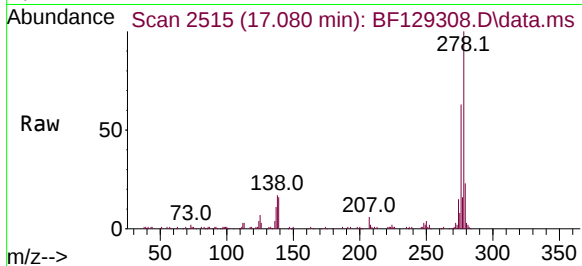




#91  
Dibenzo(a,h)anthracene  
Concen: 6.894 ng  
RT: 17.080 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Instrument :  
BNA\_F  
ClientSampleId :  
MDL-SOIL-03-QT2-2022

Tgt Ion:278 Resp: 104660  
Ion Ratio Lower Upper  
278 100  
139 16.0 12.8 19.2  
279 23.1 18.6 28.0



#92  
Benzo(g,h,i)perylene  
Concen: 6.660 ng  
RT: 17.521 min Scan# 2590  
Delta R.T. -0.029 min  
Lab File: BF129308.D  
Acq: 22 Jul 2022 10:18

Tgt Ion:276 Resp: 105052  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.1 28.7  
138 20.8 18.0 27.0

