

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF040622\  
 Data File : BF127664.D  
 Acq On : 06 Apr 2022 23:02  
 Operator : CG\JU  
 Sample : N2229-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-DRUMMSD

Quant Time: Apr 07 02:40:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 06 13:55:27 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 97426    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.251  | 136  | 357037   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.010 | 164  | 208815   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.504 | 188  | 395902   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.157 | 240  | 321513   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.680 | 264  | 282476   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 729395   | 121.651 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 878523   | 112.002 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.528  | 82   | 724438   | 90.457  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.804 | 330  | 307194   | 138.245 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.328  | 172  | 1238694  | 83.918  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.098 | 244  | 1647035  | 84.556  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.934  | 88   | 117530   | 41.327  | ng    | 84       |
| 3) Pyridine                   | 3.651  | 79   | 251564   | 33.585  | ng    | 85       |
| 4) n-Nitrosodimethylamine     | 3.610  | 42   | 183990   | 45.675  | ng    | # 97     |
| 6) Aniline                    | 6.628  | 93   | 263059   | 28.119  | ng    | 94       |
| 8) 2-Chlorophenol             | 6.745  | 128  | 301230   | 49.527  | ng    | 97       |
| 9) Benzaldehyde               | 6.516  | 77   | 107321   | 24.173  | ng    | 96       |
| 10) Phenol                    | 6.592  | 94   | 333237   | 42.488  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.698  | 93   | 314039   | 48.484  | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.904  | 146  | 316088   | 45.482  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.981  | 146  | 320612   | 45.637  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 7.134  | 146  | 312032   | 46.467  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.104  | 79   | 309308   | 45.107  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.239  | 45   | 473322   | 46.295  | ng    | 96       |
| 17) 2-Methylphenol            | 7.204  | 107  | 249378   | 47.136  | ng    | 98       |
| 18) Hexachloroethane          | 7.481  | 117  | 121934   | 45.486  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.375  | 70   | 245617   | 48.415  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.357  | 107  | 310791   | 46.098  | ng    | # 58     |
| 22) Acetophenone              | 7.375  | 105  | 444564   | 46.337  | ng    | # 85     |
| 24) Nitrobenzene              | 7.551  | 77   | 374446   | 48.232  | ng    | 97       |
| 25) Isophorone                | 7.786  | 82   | 696646   | 49.851  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.863  | 139  | 141580   | 50.746  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.892  | 122  | 280567   | 51.363  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.992  | 93   | 400191   | 46.443  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.098  | 162  | 270068   | 45.896  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.186  | 180  | 304900   | 45.022  | ng    | 97       |
| 31) Naphthalene               | 8.275  | 128  | 872520   | 46.637  | ng    | 99       |
| 32) Benzoic acid              | 7.992  | 122  | 174960   | 44.148  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.316  | 127  | 109922   | 14.919  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.386  | 225  | 202874   | 43.549  | ng    | 99       |
| 35) Caprolactam               | 8.681  | 113  | 41215    | 23.698  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 8.786  | 107  | 297452   | 48.216  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.963  | 142  | 591915   | 47.304  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.063  | 142  | 573865   | 47.514  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.128  | 216  | 303978   | 44.383  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.116  | 237  | 391562   | 94.909  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.239  | 196  | 206292   | 44.365  | ng    | 99       |

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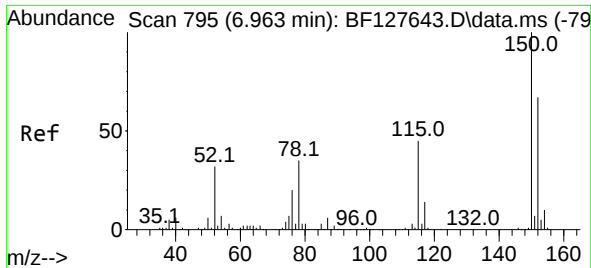
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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.275  | 196  | 222292   | 47.377  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.428  | 154  | 733883   | 45.954  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.457  | 162  | 583382   | 45.968  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.551  | 65   | 208143   | 52.807  | ng    | 93       |
| 49) Acenaphthylene            | 9.875  | 152  | 961439   | 49.806  | ng    | 99       |
| 50) Dimethylphthalate         | 9.733  | 163  | 747480   | 49.384  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.792  | 165  | 152941   | 53.606  | ng    | 95       |
| 52) Acenaphthene              | 10.045 | 154  | 644002   | 52.954  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.963  | 138  | 91265    | 30.280  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.069 | 184  | 145532   | 101.396 | ng    | 94       |
| 55) Dibenzofuran              | 10.222 | 168  | 831423   | 46.849  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.110 | 139  | 230046   | 97.171  | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 10.198 | 165  | 206676   | 58.429  | ng    | # 83     |
| 58) Fluorene                  | 10.563 | 166  | 640652   | 48.857  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.327 | 232  | 193892   | 47.424  | ng    | 97       |
| 60) Diethylphthalate          | 10.433 | 149  | 700316   | 48.351  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.551 | 204  | 333607   | 46.303  | ng    | 93       |
| 62) 4-Nitroaniline            | 10.580 | 138  | 146381   | 51.566  | ng    | 86       |
| 63) Azobenzene                | 10.716 | 77   | 753724   | 46.570  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.604 | 198  | 92369    | 48.305  | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 10.675 | 169  | 570863   | 45.783  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 11.045 | 248  | 218389   | 45.452  | ng    | # 90     |
| 68) Hexachlorobenzene         | 11.110 | 284  | 243591   | 46.377  | ng    | 99       |
| 69) Atrazine                  | 11.198 | 200  | 215014   | 51.902  | ng    | 95       |
| 70) Pentachlorophenol         | 11.304 | 266  | 288430   | 91.944  | ng    | 99       |
| 71) Phenanthrene              | 11.533 | 178  | 1007100  | 48.012  | ng    | 99       |
| 72) Anthracene                | 11.586 | 178  | 1020307  | 49.173  | ng    | 98       |
| 73) Carbazole                 | 11.733 | 167  | 922991   | 47.473  | ng    | 98       |
| 74) Di-n-butylphthalate       | 12.063 | 149  | 1121580  | 48.257  | ng    | 98       |
| 75) Fluoranthene              | 12.721 | 202  | 1169464  | 51.091  | ng    | 99       |
| 77) Benzidine                 | 12.839 | 184  | 226991   | 27.049  | ng    | 99       |
| 78) Pyrene                    | 12.957 | 202  | 1190248  | 43.840  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.568 | 149  | 474824   | 46.972  | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.145 | 228  | 1029779  | 47.956  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.104 | 252  | 271017   | 40.484  | ng    | 97       |
| 83) Chrysene                  | 14.186 | 228  | 955250   | 46.343  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.127 | 149  | 654631   | 45.943  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.751 | 149  | 1028050  | 49.345  | ng    | 94       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.251 | 276  | 932344   | 52.827  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.227 | 252  | 959247   | 52.788  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.262 | 252  | 819751   | 45.484  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.615 | 252  | 861036   | 58.297  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.274 | 278  | 811559   | 56.754  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.733 | 276  | 814788   | 55.579  | ng    | 98       |

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

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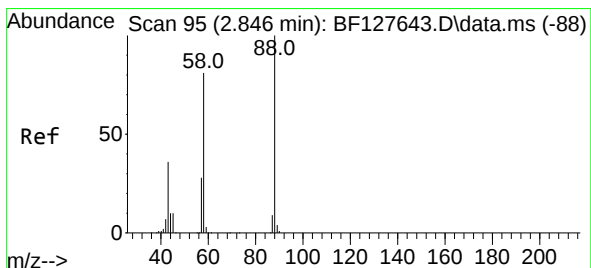
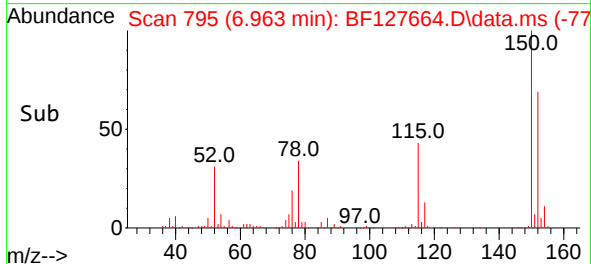
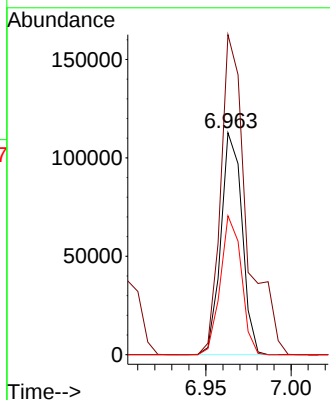
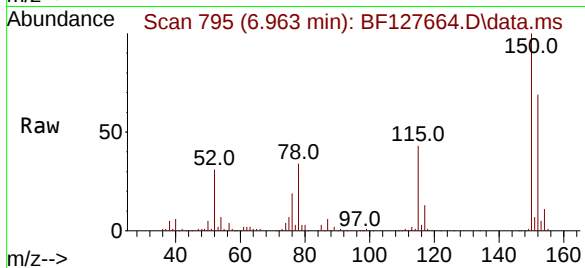




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.963 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

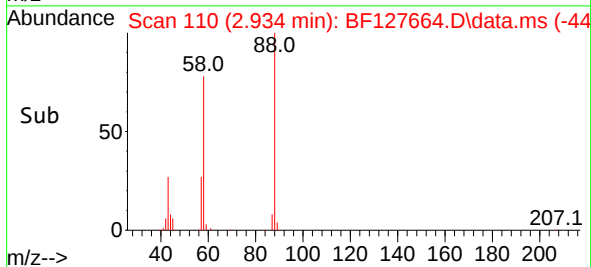
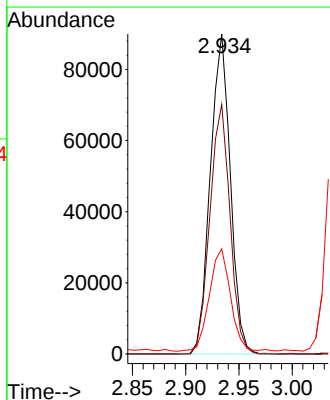
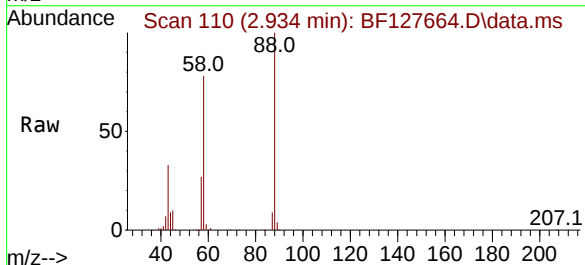
Instrument :  
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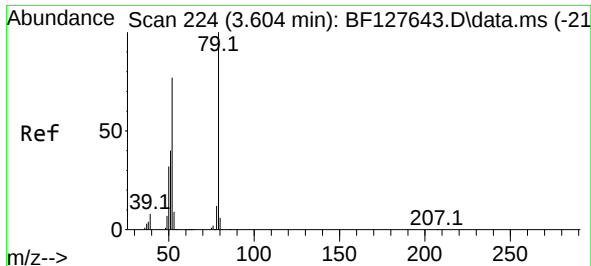
Tgt Ion:152 Resp: 97426  
 Ion Ratio Lower Upper  
 152 100  
 150 144.2 117.2 175.8  
 115 62.6 49.8 74.6



#2  
 1,4-Dioxane  
 Concen: 41.327 ng  
 RT: 2.934 min Scan# 110  
 Delta R.T. 0.088 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

Tgt Ion: 88 Resp: 117530  
 Ion Ratio Lower Upper  
 88 100  
 58 78.2 77.0 115.4  
 43 33.7 31.3 46.9

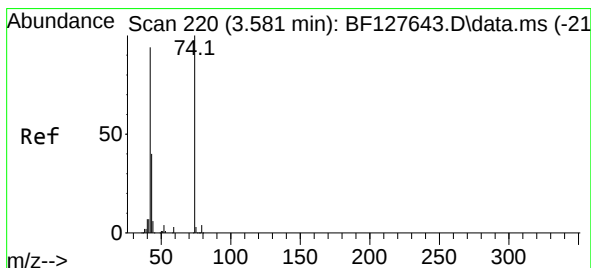
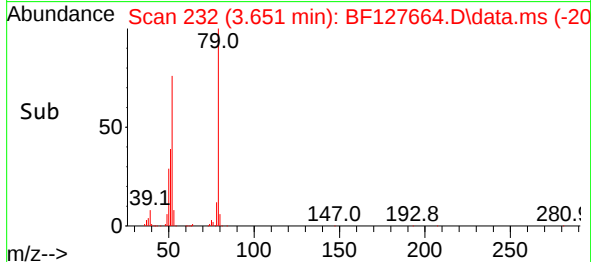
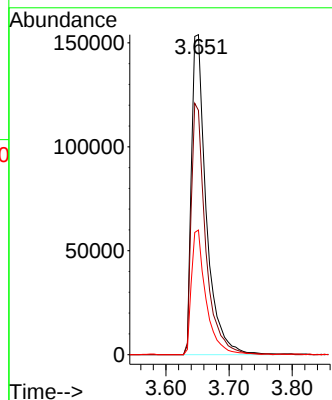
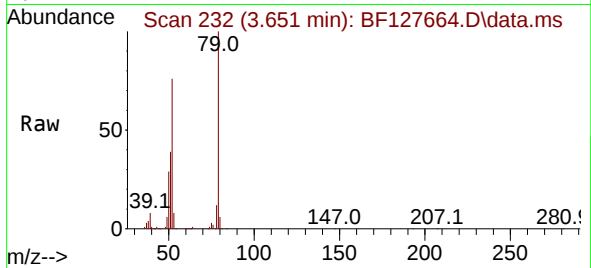




#3  
Pyridine  
Concen: 33.585 ng  
RT: 3.651 min Scan# 21  
Delta R.T. 0.047 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

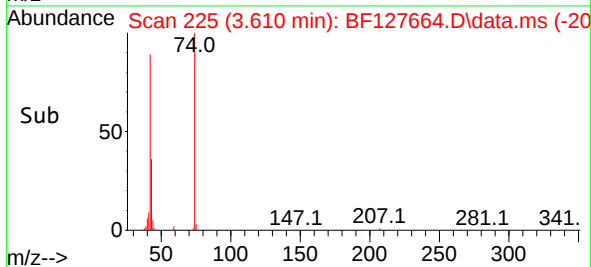
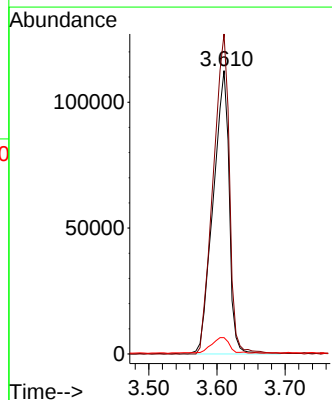
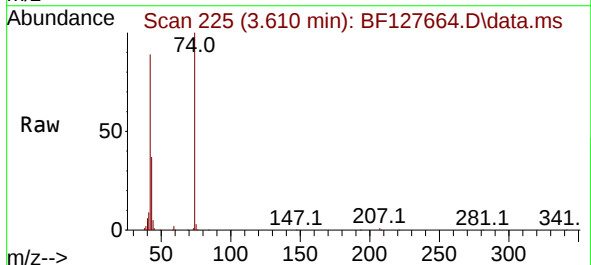
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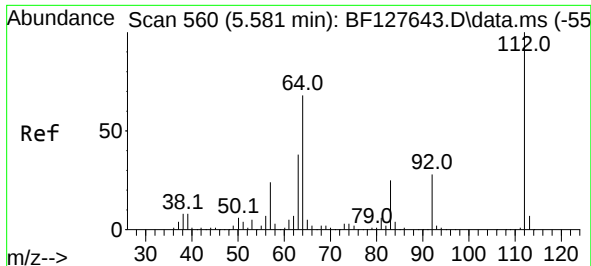
Tgt Ion: 79 Resp: 251564  
Ion Ratio Lower Upper  
79 100  
52 76.3 74.2 111.4  
51 38.9 36.7 55.1



#4  
n-Nitrosodimethylamine  
Concen: 45.675 ng  
RT: 3.610 min Scan# 225  
Delta R.T. 0.029 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 42 Resp: 183990  
Ion Ratio Lower Upper  
42 100  
74 112.9 92.4 138.6  
44 5.8 6.0 9.0#

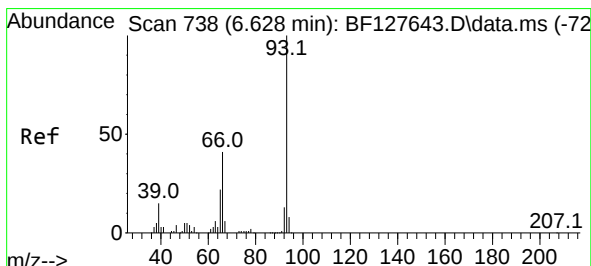
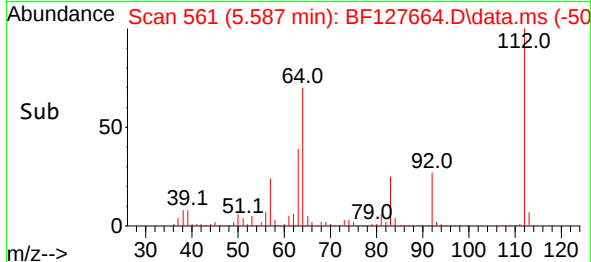
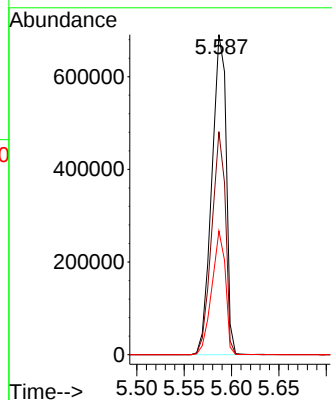
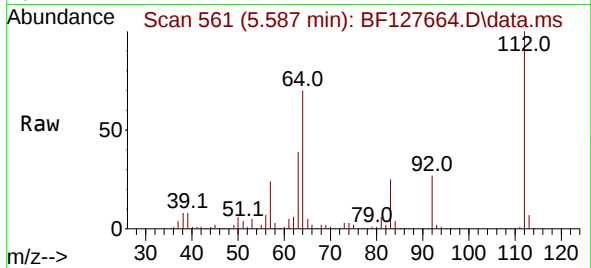




#5  
2-Fluorophenol  
Concen: 121.651 ng  
RT: 5.587 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

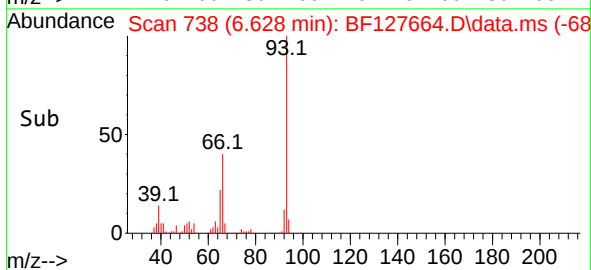
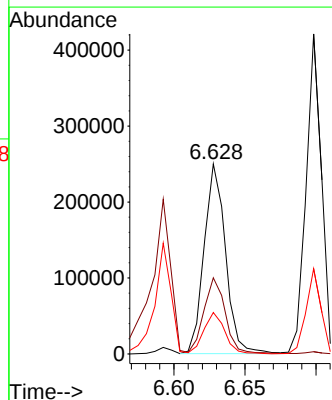
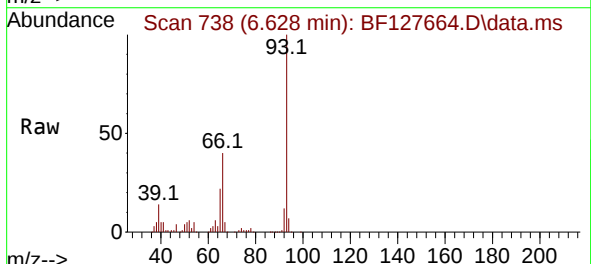
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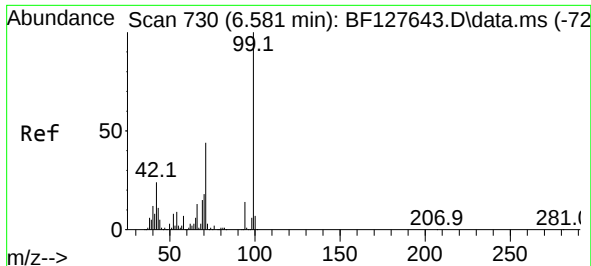
Tgt Ion:112 Resp: 729395  
Ion Ratio Lower Upper  
112 100  
64 69.7 58.4 87.6  
63 38.6 30.1 45.1



#6  
Aniline  
Concen: 28.119 ng  
RT: 6.628 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
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Tgt Ion: 93 Resp: 263059  
Ion Ratio Lower Upper  
93 100  
66 40.1 36.2 54.4  
65 21.8 18.4 27.6

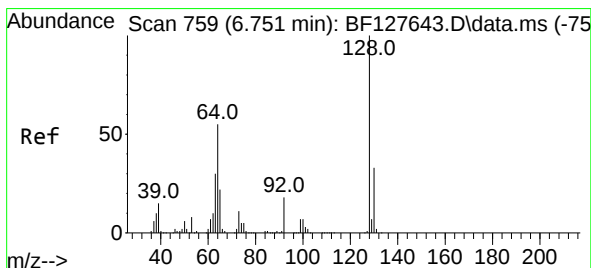
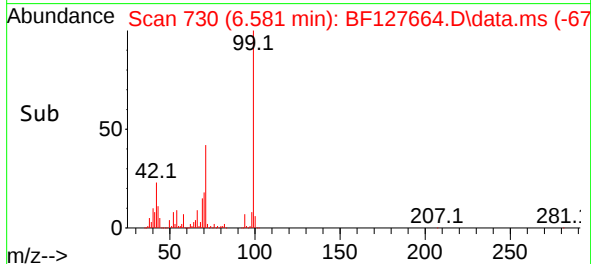
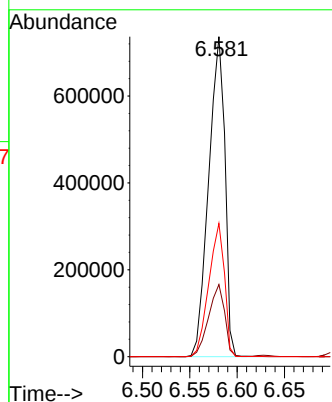
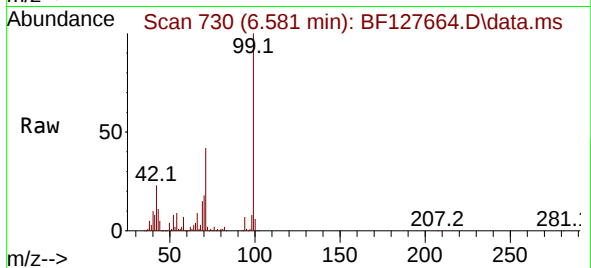




#7  
Phenol-d6  
Concen: 112.002 ng  
RT: 6.581 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

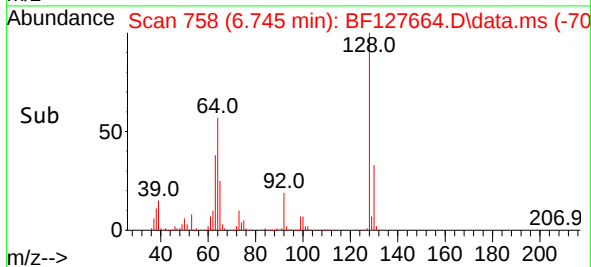
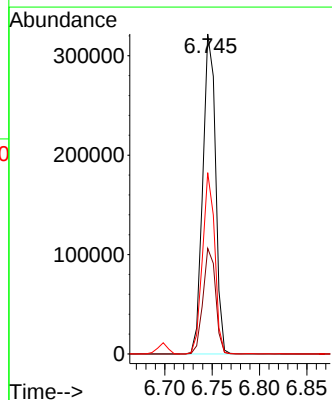
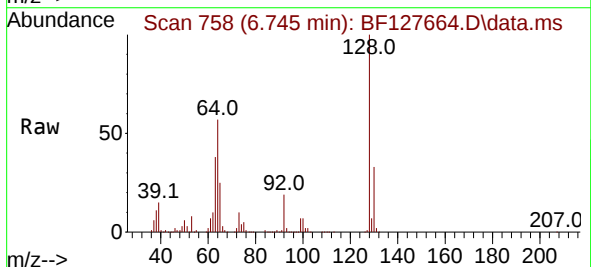
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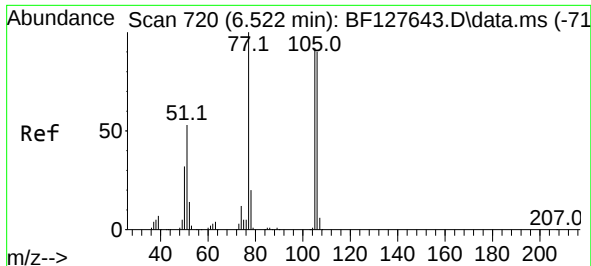
Tgt Ion: 99 Resp: 878523  
Ion Ratio Lower Upper  
99 100  
42 22.6 17.8 26.6  
71 41.7 29.6 44.4



#8  
2-Chlorophenol  
Concen: 49.527 ng  
RT: 6.745 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
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Tgt Ion: 128 Resp: 301230  
Ion Ratio Lower Upper  
128 100  
130 33.0 11.3 51.3  
64 56.7 38.4 78.4

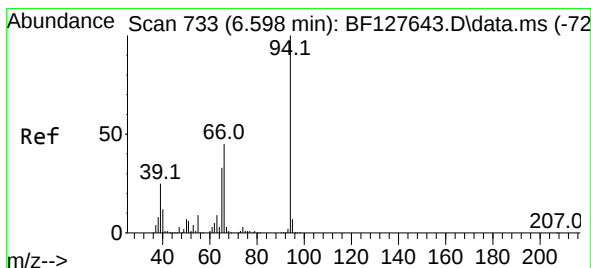
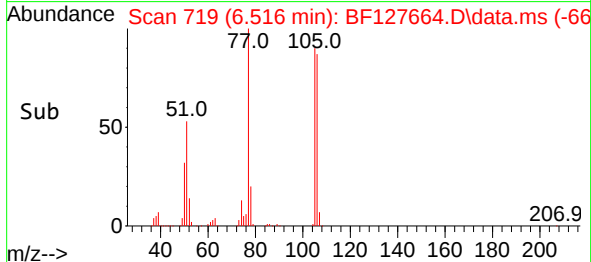
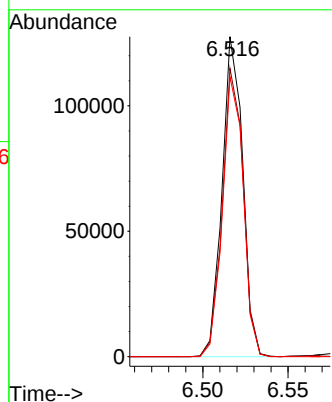
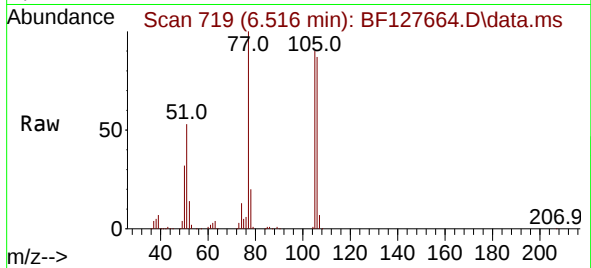




#9  
Benzaldehyde  
Concen: 24.173 ng  
RT: 6.516 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

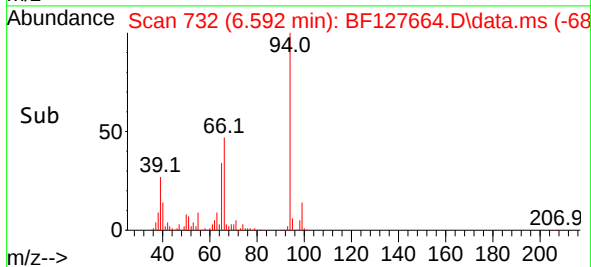
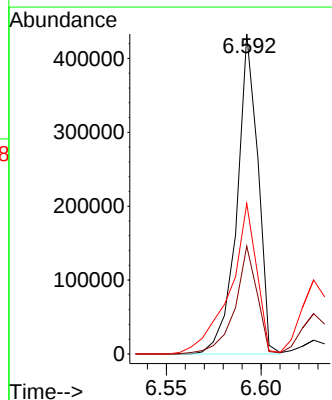
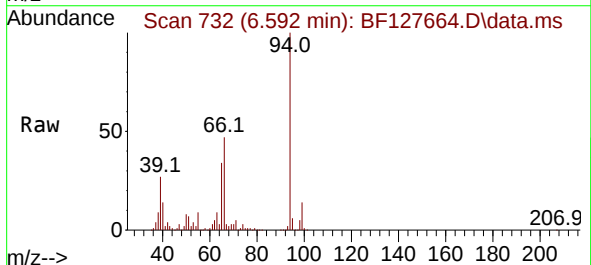
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

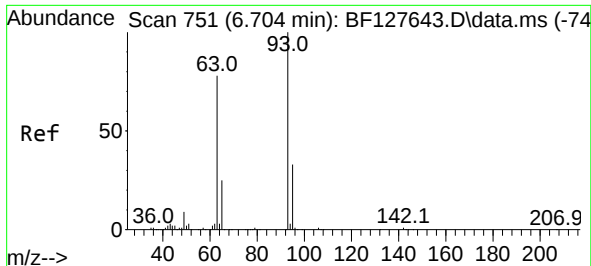
Tgt Ion: 77 Resp: 107321  
Ion Ratio Lower Upper  
77 100  
105 90.1 66.8 106.8  
106 87.4 64.3 104.3



#10  
Phenol  
Concen: 42.488 ng  
RT: 6.592 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 94 Resp: 333237  
Ion Ratio Lower Upper  
94 100  
65 33.7 13.1 53.1  
66 47.0 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 48.484 ng

RT: 6.698 min Scan# 750

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

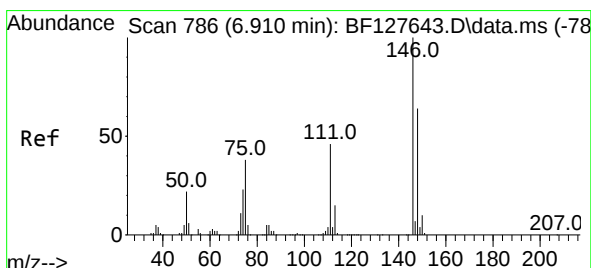
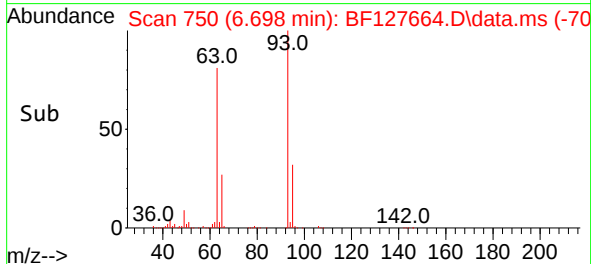
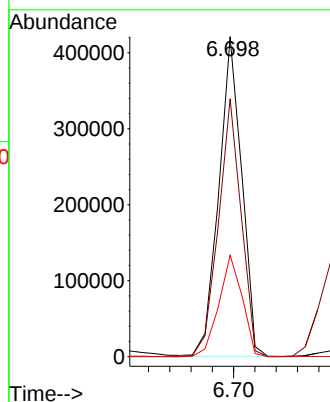
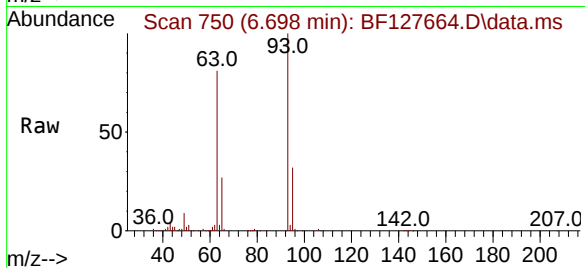
Tgt Ion: 93 Resp: 314039

Ion Ratio Lower Upper

93 100

63 80.6 69.6 109.6

95 31.7 11.6 51.6



#12

1,3-Dichlorobenzene

Concen: 45.482 ng

RT: 6.904 min Scan# 785

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

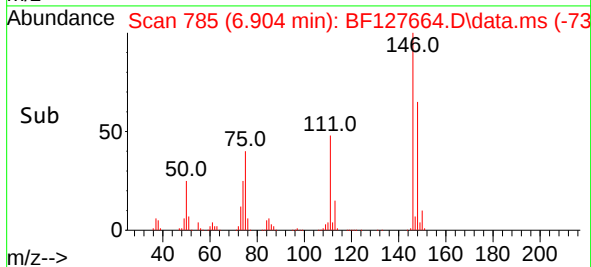
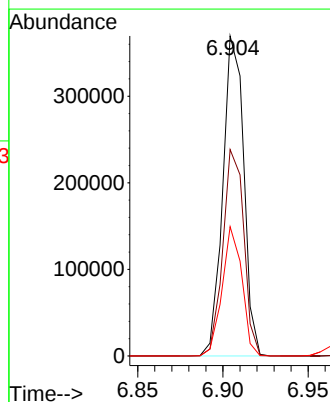
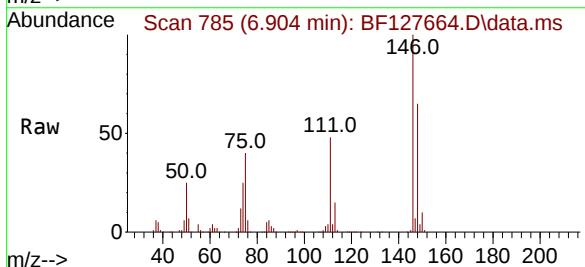
Tgt Ion:146 Resp: 316088

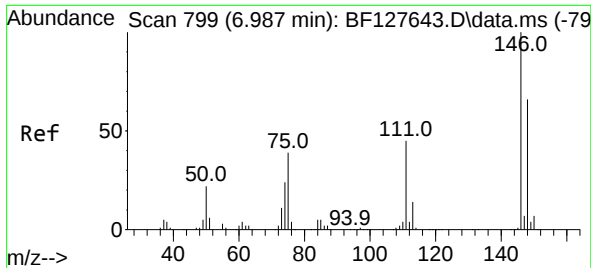
Ion Ratio Lower Upper

146 100

148 64.5 50.6 76.0

75 40.4 32.4 48.6





#13

1,4-Dichlorobenzene

Concen: 45.637 ng

RT: 6.981 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

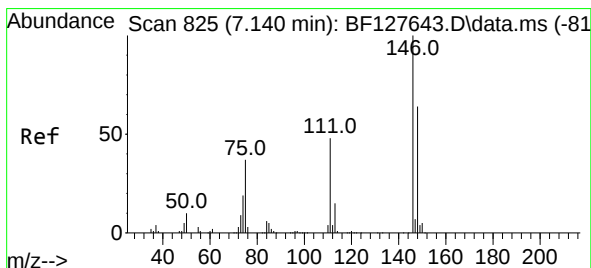
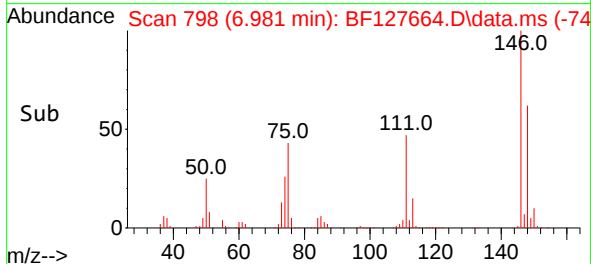
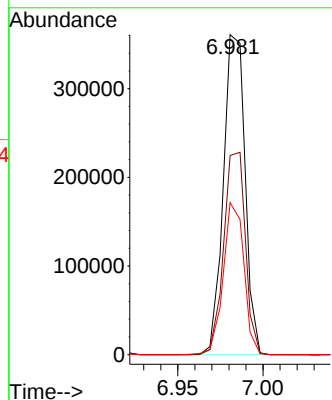
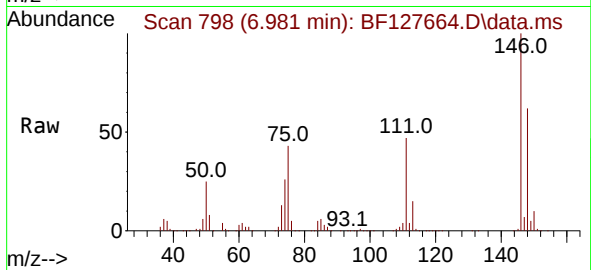
Tgt Ion:146 Resp: 320612

Ion Ratio Lower Upper

146 100

148 62.3 51.3 76.9

111 47.5 34.2 51.4



#14

1,2-Dichlorobenzene

Concen: 46.467 ng

RT: 7.134 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

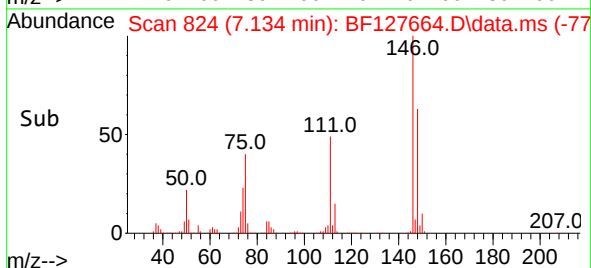
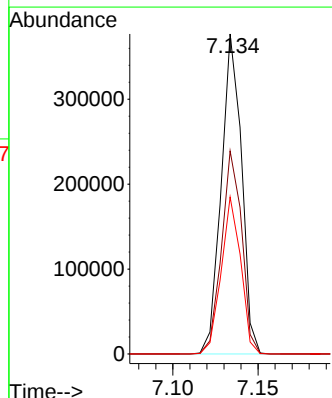
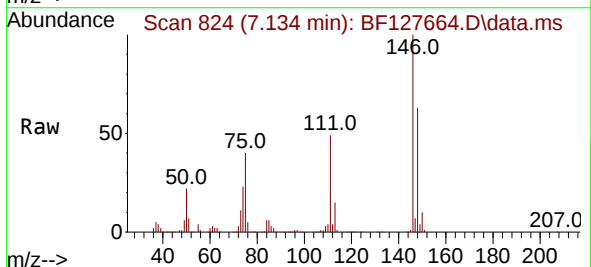
Tgt Ion:146 Resp: 312032

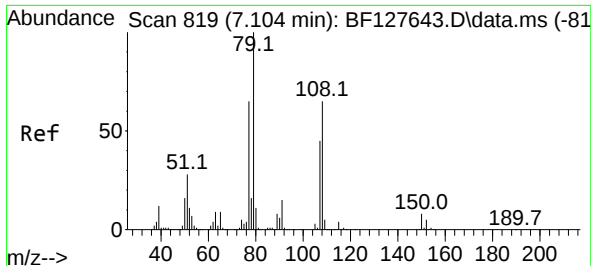
Ion Ratio Lower Upper

146 100

148 63.5 51.4 77.2

111 49.0 36.4 54.6

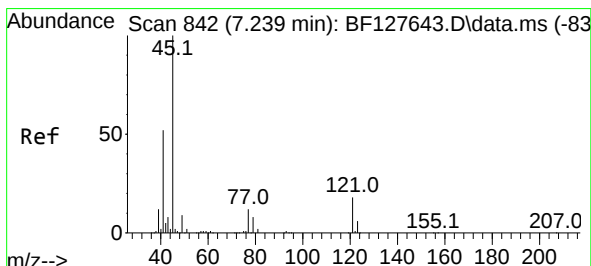
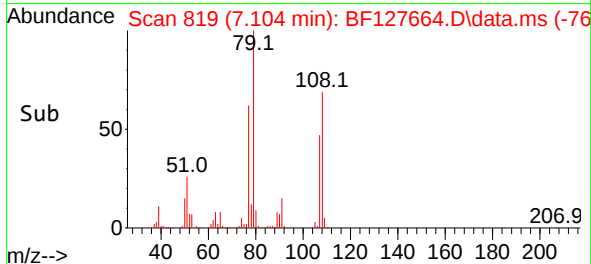
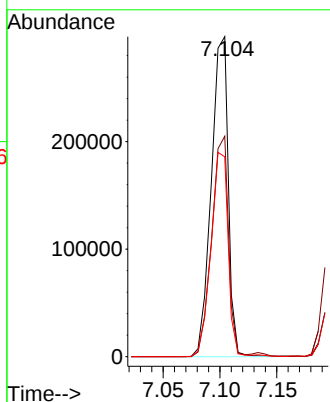
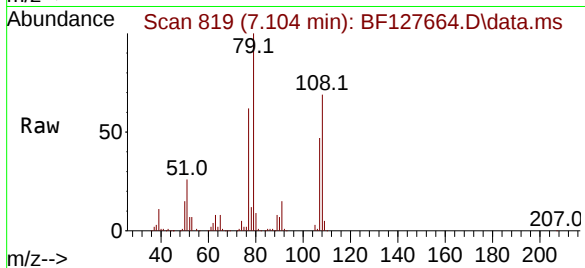




#15  
Benzyl Alcohol  
Concen: 45.107 ng  
RT: 7.104 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

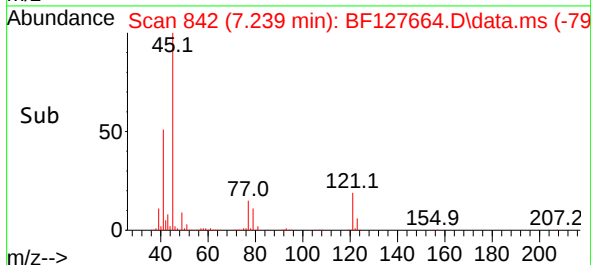
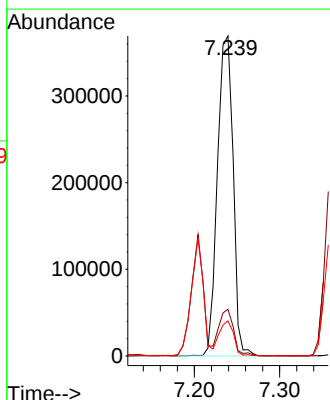
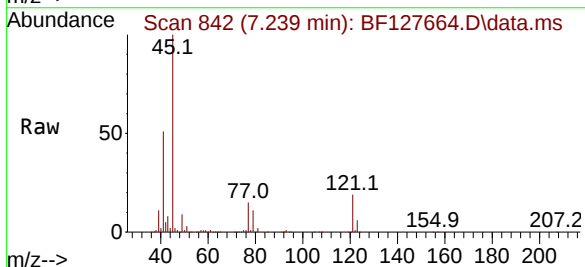
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

Tgt Ion: 79 Resp: 309308  
Ion Ratio Lower Upper  
79 100  
108 68.9 52.2 78.2  
77 62.5 48.3 72.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.295 ng  
RT: 7.239 min Scan# 842  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

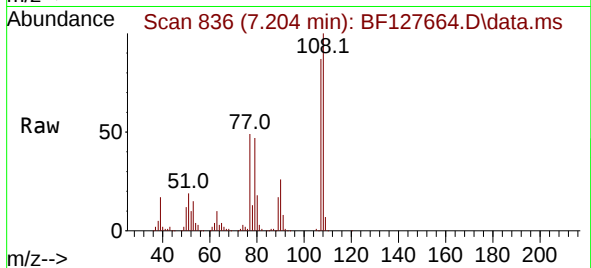
Tgt Ion: 45 Resp: 473322  
Ion Ratio Lower Upper  
45 100  
77 14.6 0.0 32.9  
79 10.9 0.0 29.9



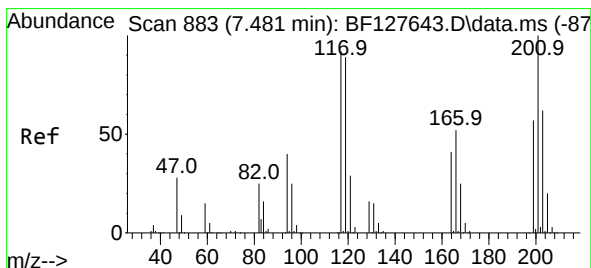
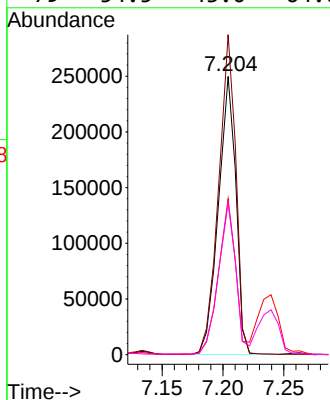
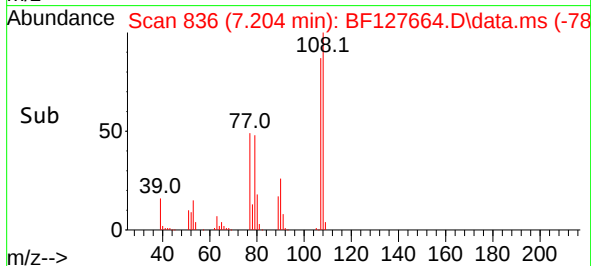


#17  
2-Methylphenol  
Concen: 47.136 ng  
RT: 7.204 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

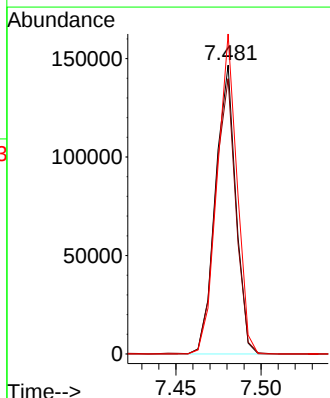
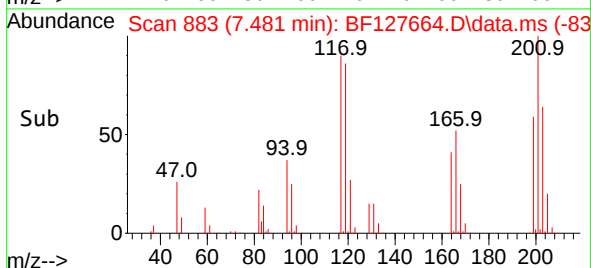
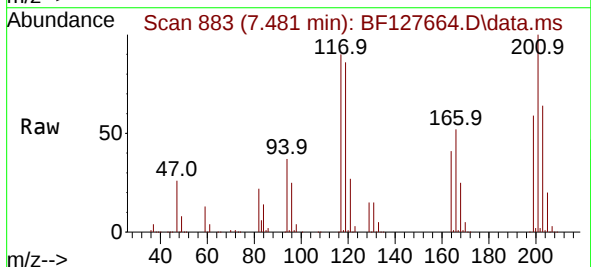


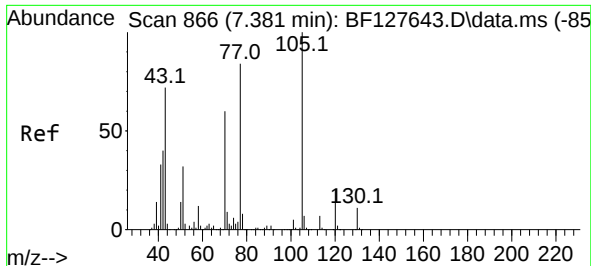
Tgt Ion:107 Resp: 249378  
Ion Ratio Lower Upper  
107 100  
108 115.0 90.7 136.1  
77 56.1 42.9 64.3  
79 54.5 43.0 64.6



#18  
Hexachloroethane  
Concen: 45.486 ng  
RT: 7.481 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:117 Resp: 121934  
Ion Ratio Lower Upper  
117 100  
119 95.4 77.6 116.4  
201 110.8 88.2 132.2

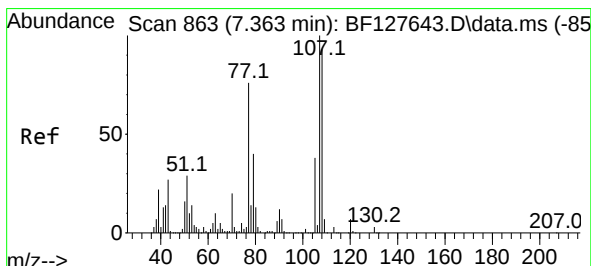
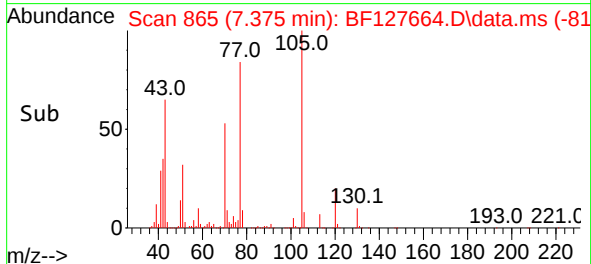
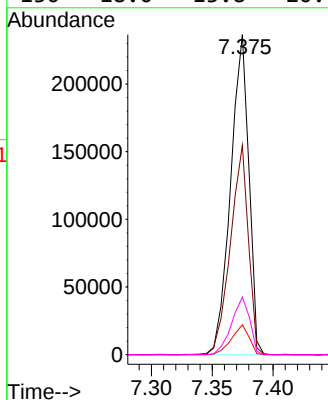
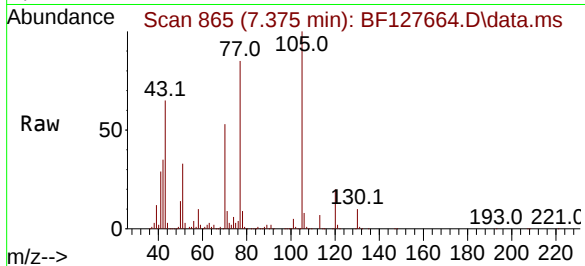




#19  
n-Nitroso-di-n-propylamine  
Concen: 48.415 ng  
RT: 7.375 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

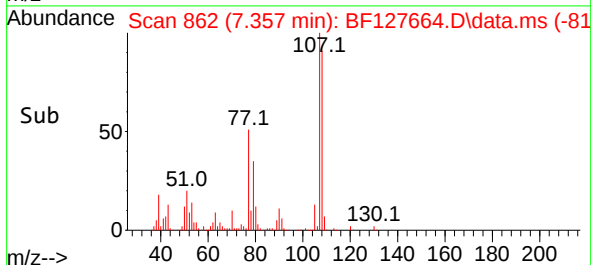
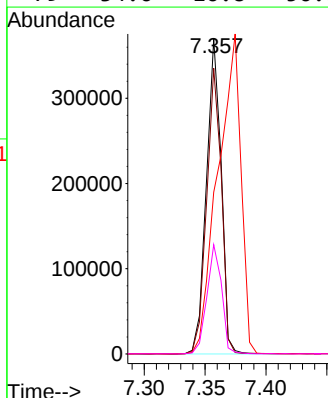
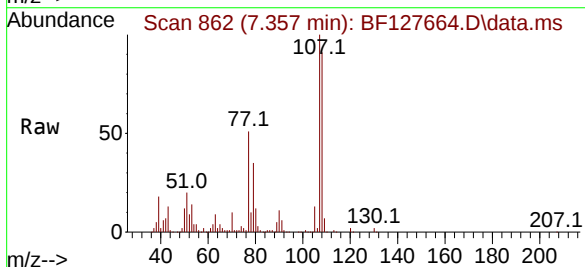
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

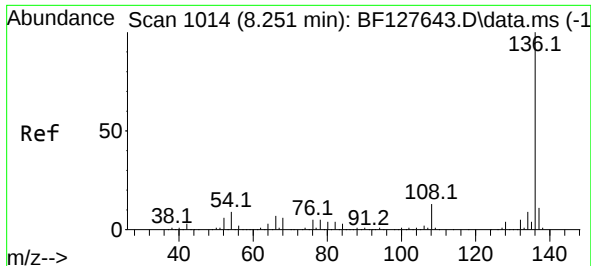
Tgt Ion: 70 Resp: 245617  
Ion Ratio Lower Upper  
70 100  
42 65.4 53.0 79.6  
101 9.4 6.8 10.2  
130 18.0 13.8 20.6



#20  
3+4-Methylphenols  
Concen: 46.098 ng  
RT: 7.357 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 107 Resp: 310791  
Ion Ratio Lower Upper  
107 100  
108 90.6 70.7 110.7  
77 51.3 127.9 167.9#  
79 34.6 16.8 56.8



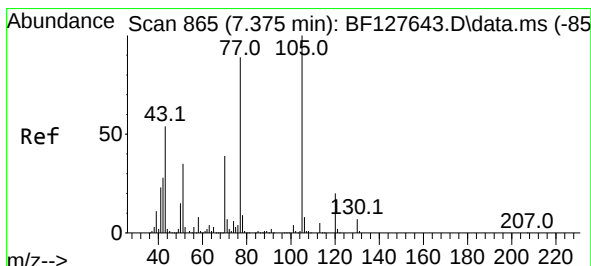
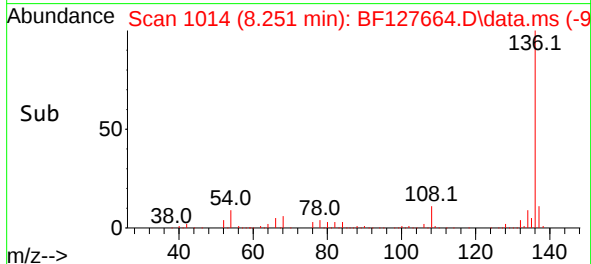
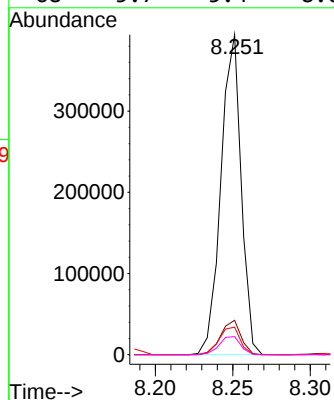
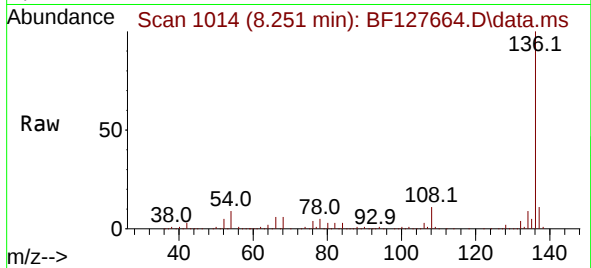


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.251 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

Tgt Ion:136 Resp: 357037

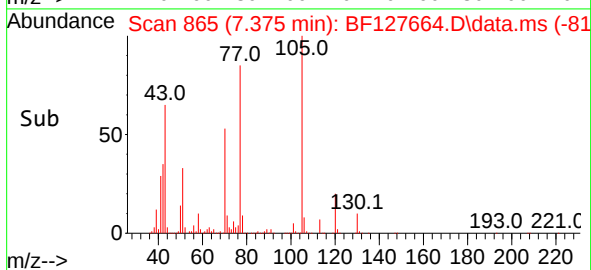
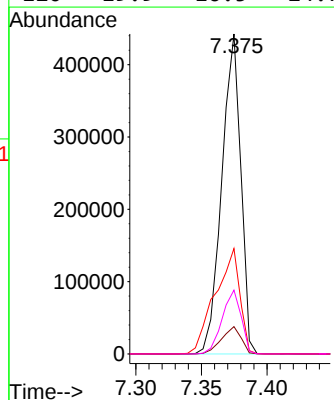
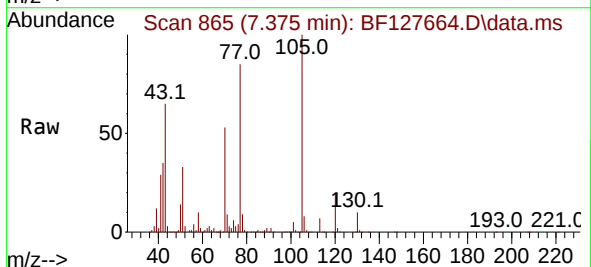
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 8.6   | 9.2   | 13.8# |
| 68  | 5.7   | 5.4   | 8.0   |

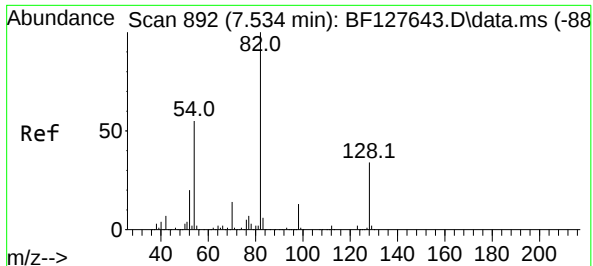


#22  
Acetophenone  
Concen: 46.337 ng  
RT: 7.375 min Scan# 865  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:105 Resp: 444564

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.6   | 7.3   | 10.9  |
| 51  | 32.9  | 38.8  | 58.2# |
| 120 | 19.9  | 16.5  | 24.7  |





#23

Nitrobenzene-d5

Concen: 90.457 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

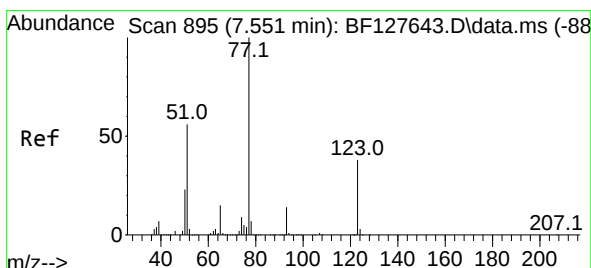
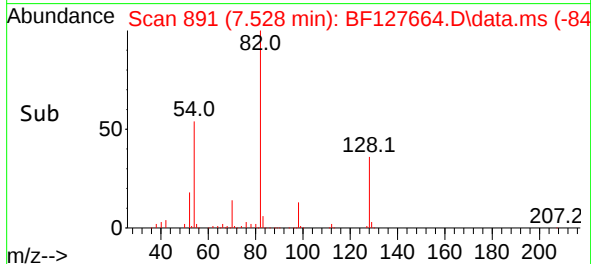
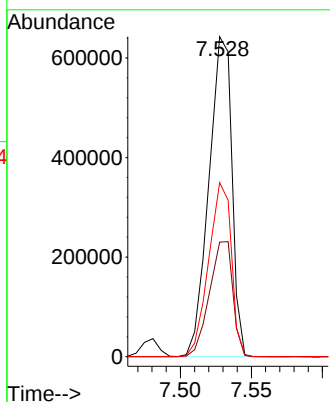
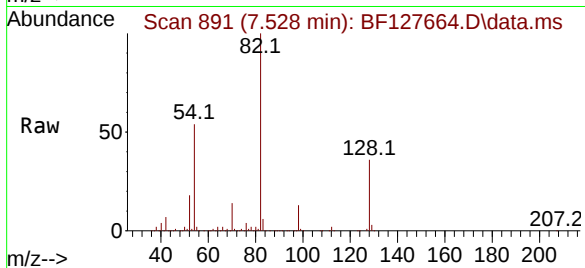
Tgt Ion: 82 Resp: 724438

Ion Ratio Lower Upper

82 100

128 35.8 30.6 45.8

54 54.4 48.2 72.2



#24

Nitrobenzene

Concen: 48.232 ng

RT: 7.551 min Scan# 895

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

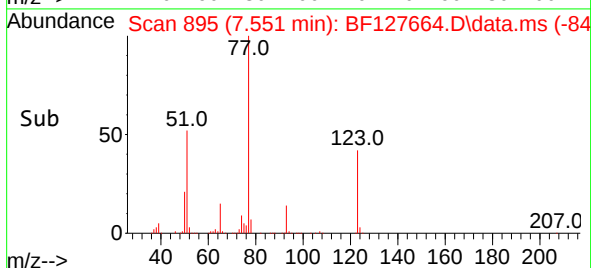
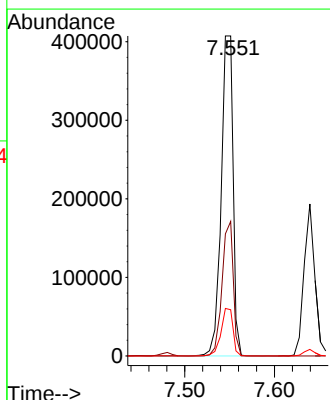
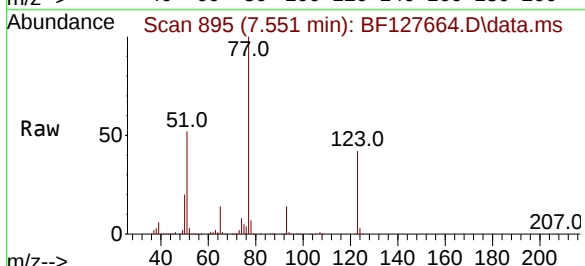
Tgt Ion: 77 Resp: 374446

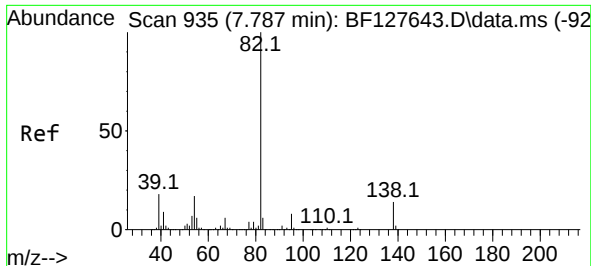
Ion Ratio Lower Upper

77 100

123 42.1 32.0 48.0

65 14.4 12.2 18.2

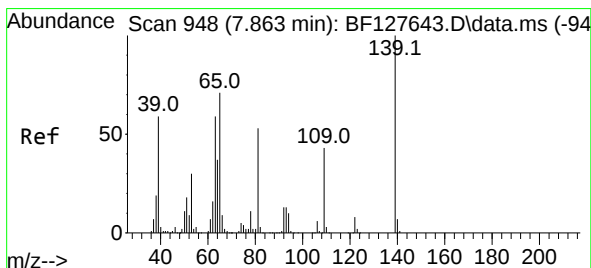
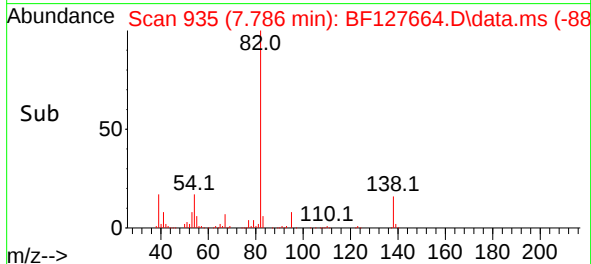
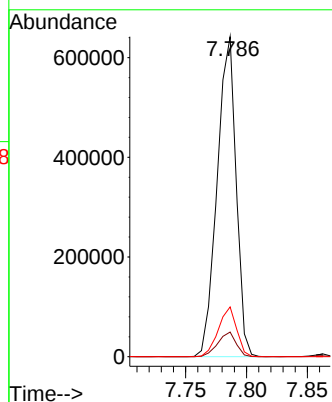
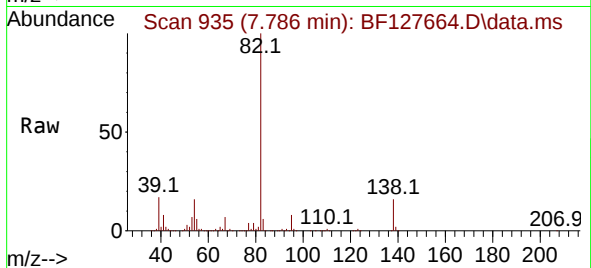




#25  
Isophorone  
Concen: 49.851 ng  
RT: 7.786 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

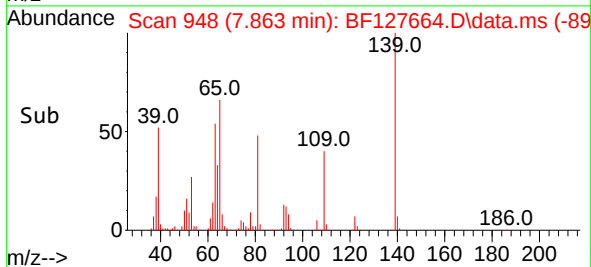
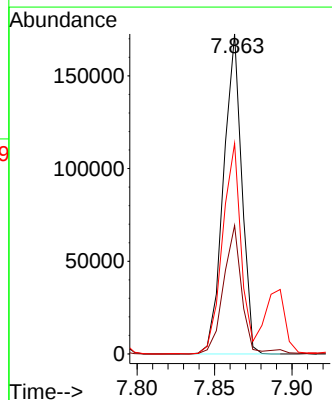
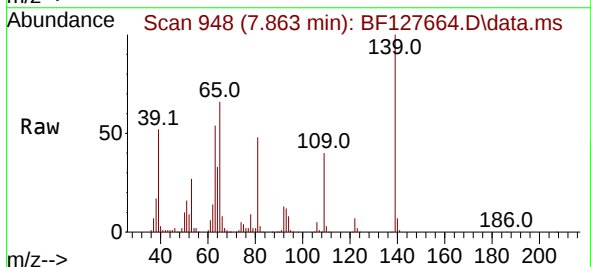
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

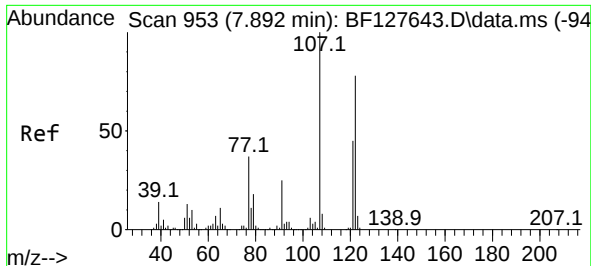
Tgt Ion: 82 Resp: 696646  
Ion Ratio Lower Upper  
82 100  
95 7.7 5.8 8.8  
138 15.6 11.6 17.4



#26  
2-Nitrophenol  
Concen: 50.746 ng  
RT: 7.863 min Scan# 948  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 139 Resp: 141580  
Ion Ratio Lower Upper  
139 100  
109 40.2 28.2 42.2  
65 65.8 55.3 82.9

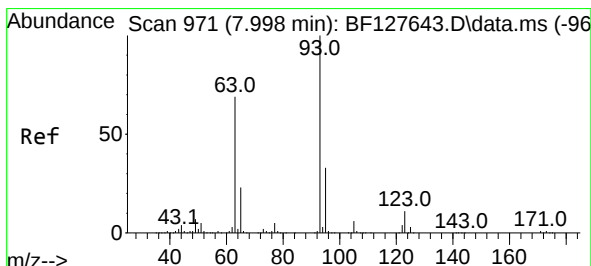
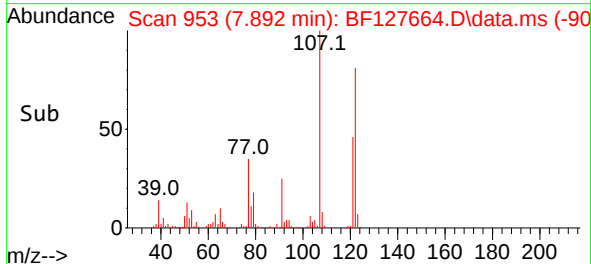
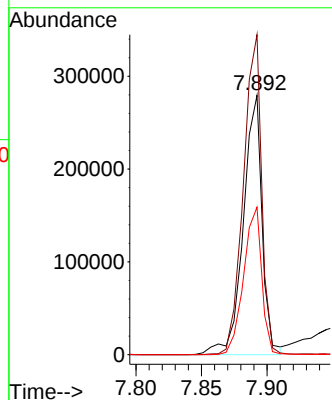
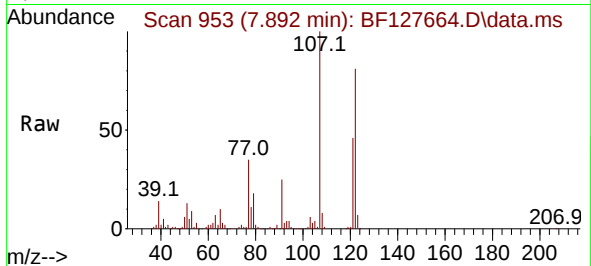




#27  
2,4-Dimethylphenol  
Concen: 51.363 ng  
RT: 7.892 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

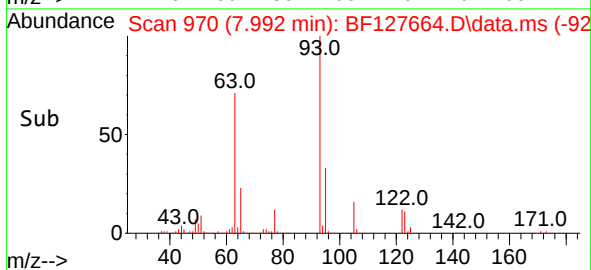
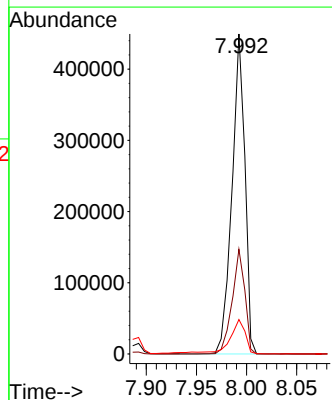
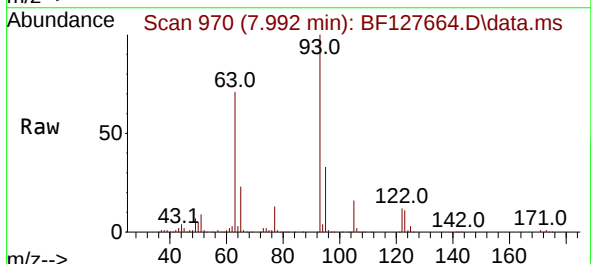
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

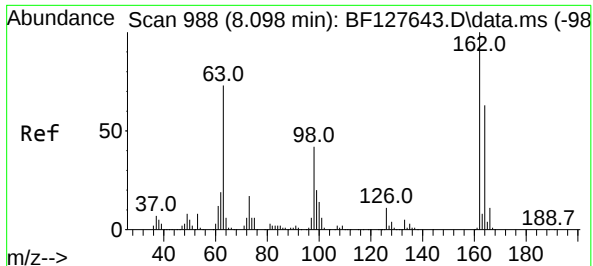
Tgt Ion:122 Resp: 280567  
Ion Ratio Lower Upper  
122 100  
107 123.4 93.0 139.4  
121 56.9 44.9 67.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.443 ng  
RT: 7.992 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 93 Resp: 400191  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.3 39.5  
123 10.8 8.0 12.0





#29

2,4-Dichlorophenol

Concen: 45.896 ng

RT: 8.098 min Scan# 988

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

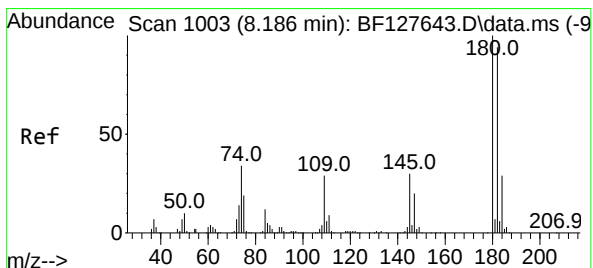
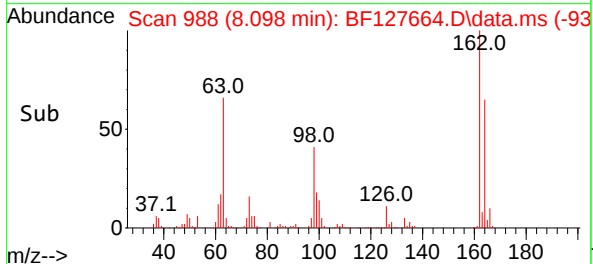
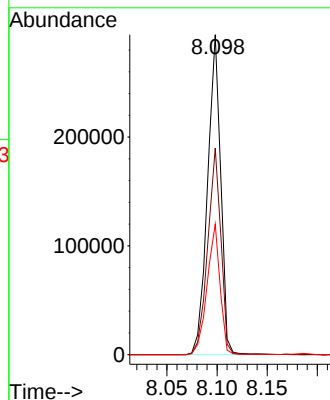
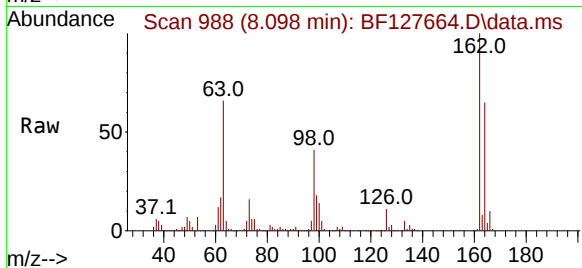
Tgt Ion:162 Resp: 270068

Ion Ratio Lower Upper

162 100

164 64.5 43.7 83.7

98 40.8 23.5 63.5



#30

1,2,4-Trichlorobenzene

Concen: 45.022 ng

RT: 8.186 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

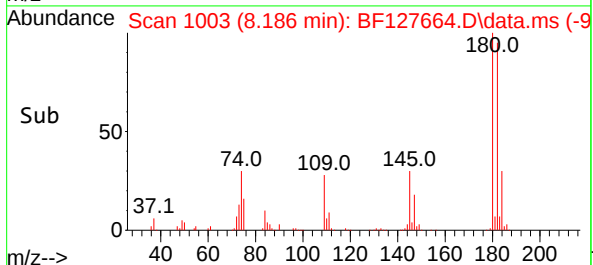
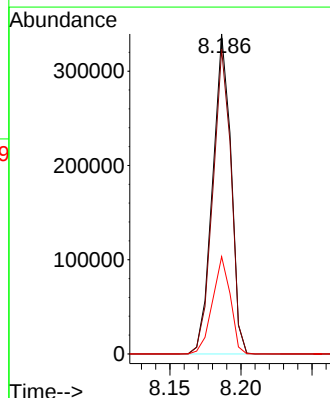
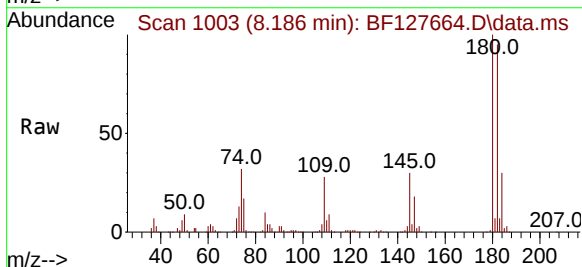
Tgt Ion:180 Resp: 304900

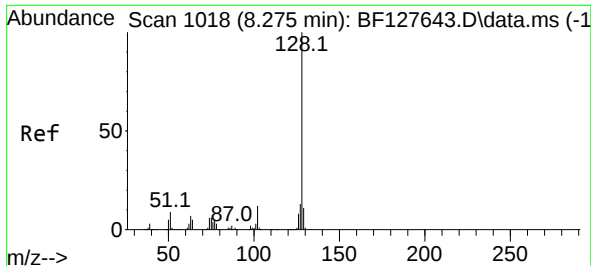
Ion Ratio Lower Upper

180 100

182 95.3 73.8 110.6

145 30.4 23.3 34.9

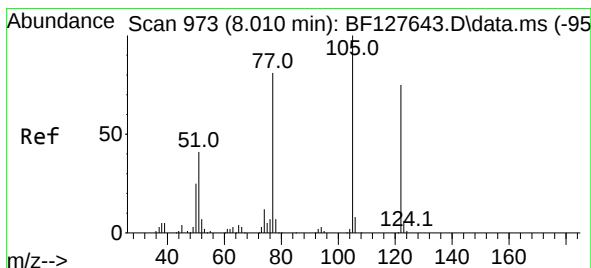
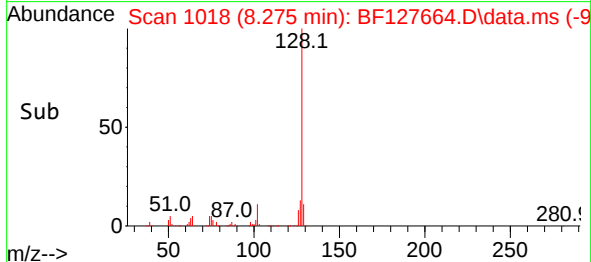
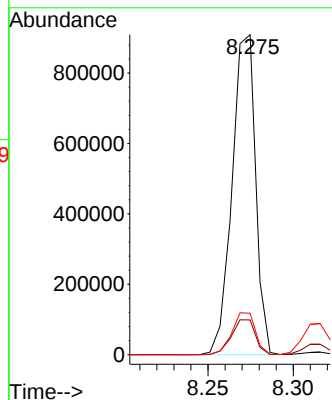
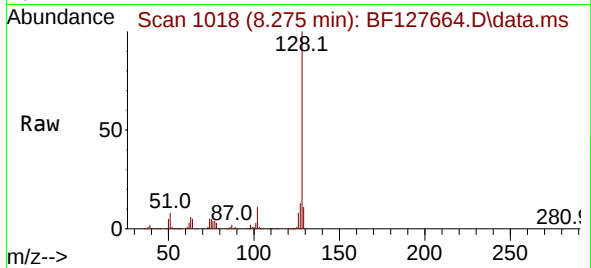




#31  
Naphthalene  
Concen: 46.637 ng  
RT: 8.275 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

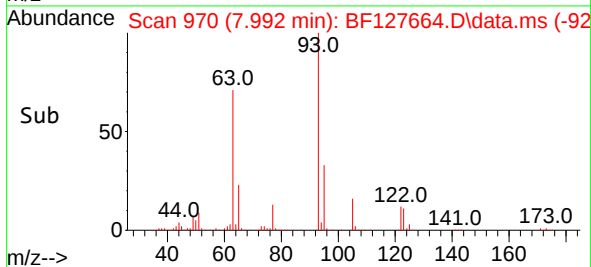
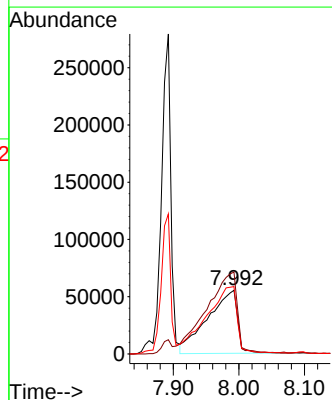
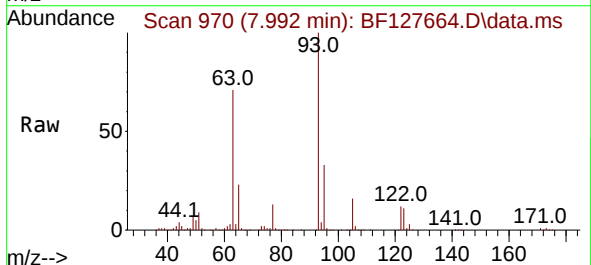
Instrument :  
BNA\_F  
ClientSampleId :  
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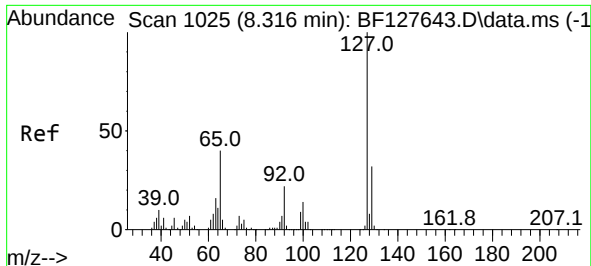
Tgt Ion:128 Resp: 872520  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.4 12.6  
127 13.0 10.2 15.2



#32  
Benzoic acid  
Concen: 44.148 ng  
RT: 7.992 min Scan# 970  
Delta R.T. -0.018 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:122 Resp: 174960  
Ion Ratio Lower Upper  
122 100  
105 128.8 117.1 157.1  
77 106.0 93.0 133.0

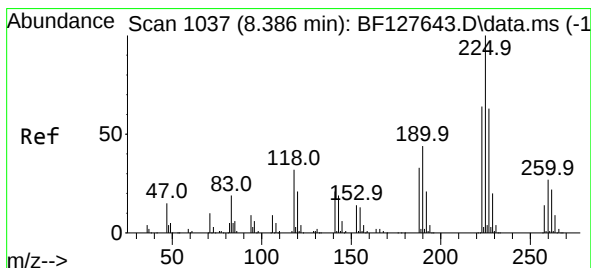
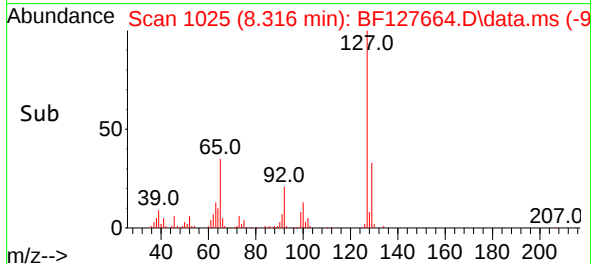
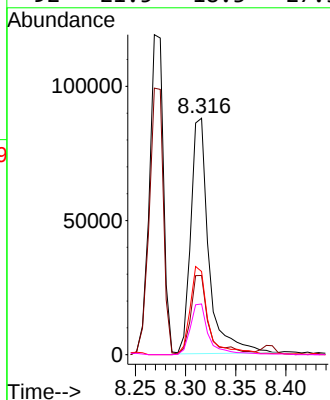
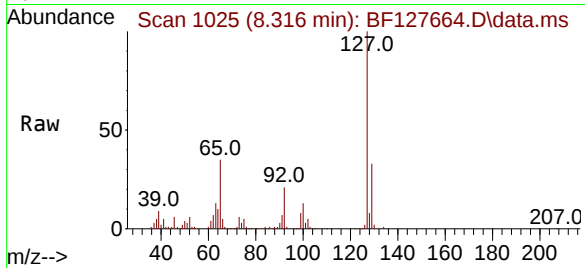




#33  
4-Chloroaniline  
Concen: 14.919 ng  
RT: 8.316 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

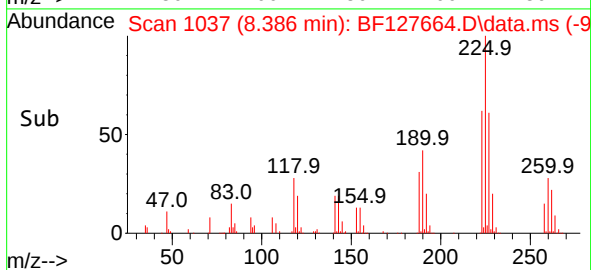
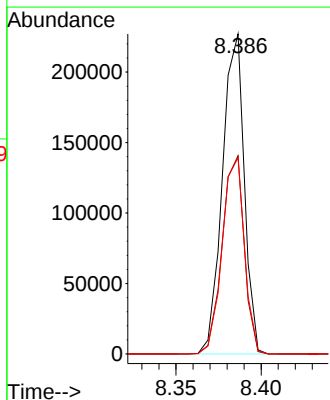
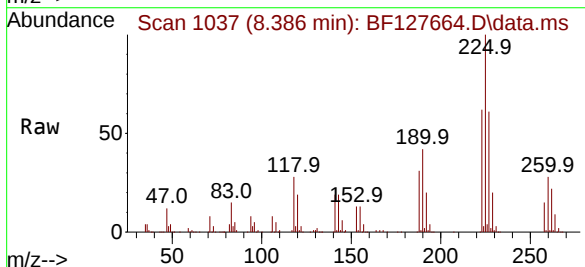
Instrument :  
BNA\_F  
ClientSampleId :  
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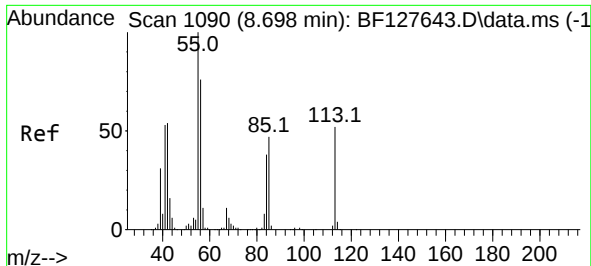
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 109922 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 33.5    | 25.9 38.9    |
| 65 35.2     | 31.4 47.0    |
| 92 21.5     | 18.3 27.5    |



#34  
Hexachlorobutadiene  
Concen: 43.549 ng  
RT: 8.386 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:225 | Resp: 202874 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 225 100     |              |       |  |
| 223 62.0    | 50.6         | 76.0  |  |
| 227 61.3    | 49.6         | 74.4  |  |

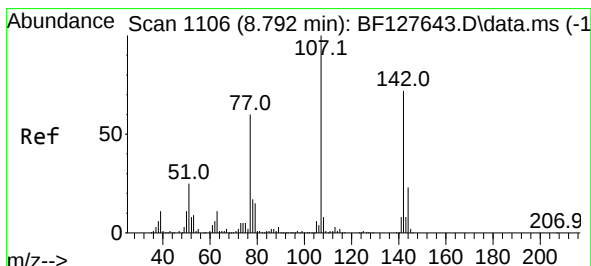
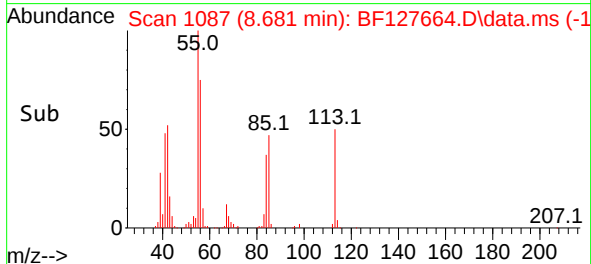
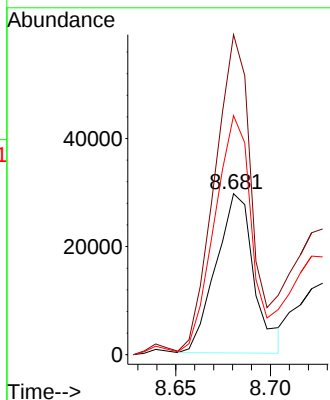
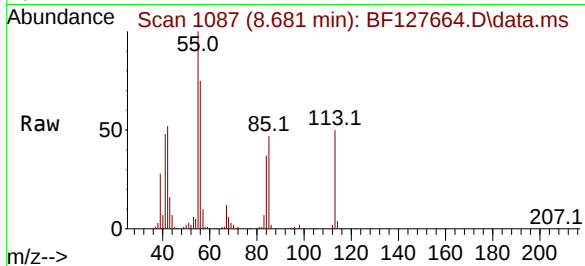




#35  
 Caprolactam  
 Concen: 23.698 ng  
 RT: 8.681 min Scan# 1105  
 Delta R.T. -0.018 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

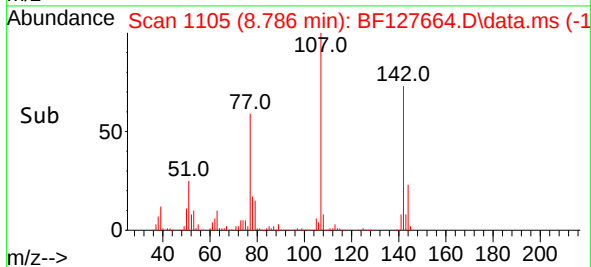
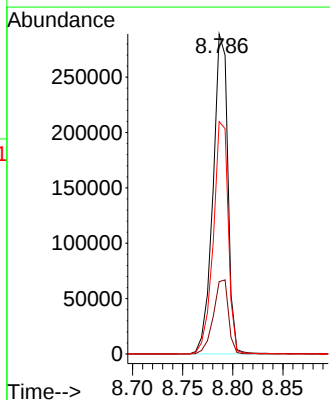
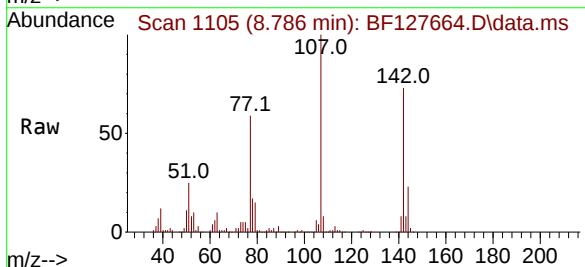
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 ClientSampleId :  
 SOIL-DRUMMSD

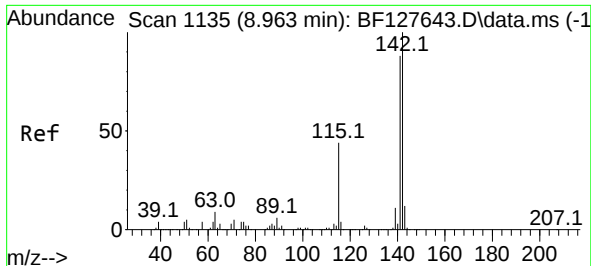
Tgt Ion:113 Resp: 41215  
 Ion Ratio Lower Upper  
 113 100  
 55 198.8 218.7 258.7#  
 56 148.5 156.2 196.2#



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.216 ng  
 RT: 8.786 min Scan# 1105  
 Delta R.T. -0.006 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

Tgt Ion:107 Resp: 297452  
 Ion Ratio Lower Upper  
 107 100  
 144 22.6 19.3 28.9  
 142 72.6 59.8 89.8





#37

2-Methylnaphthalene

Concen: 47.304 ng

RT: 8.963 min Scan# 1135

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

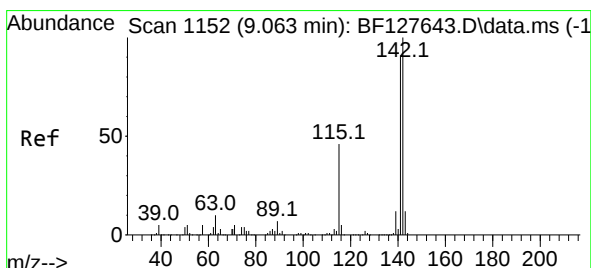
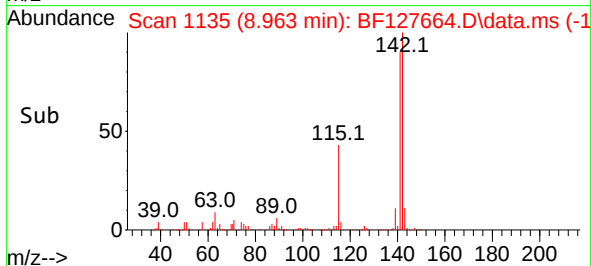
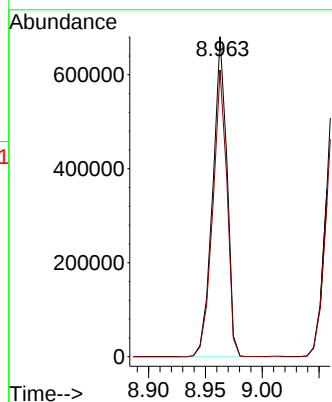
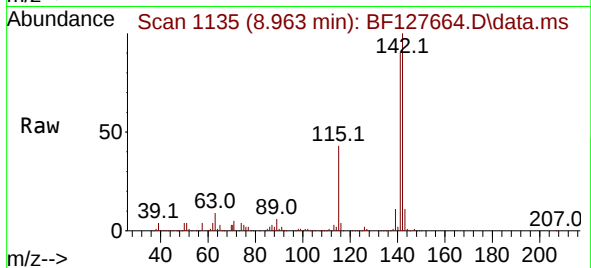
SOIL-DRUMMSD

Tgt Ion:142 Resp: 591915

Ion Ratio Lower Upper

142 100

141 89.6 70.6 106.0



#38

1-Methylnaphthalene

Concen: 47.514 ng

RT: 9.063 min Scan# 1152

Delta R.T. -0.000 min

Lab File: BF127664.D

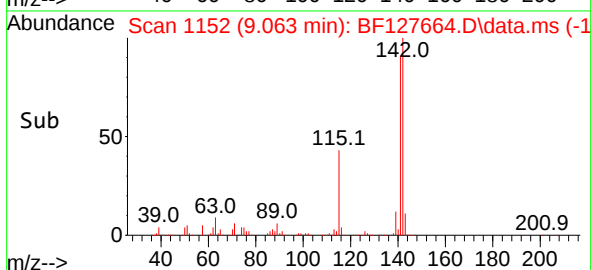
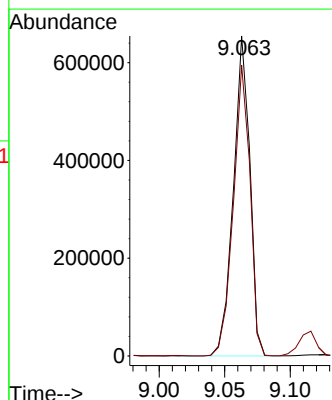
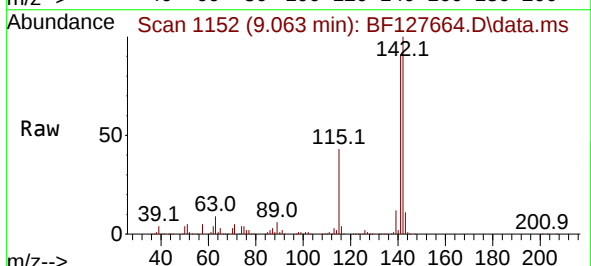
Acq: 06 Apr 2022 23:02

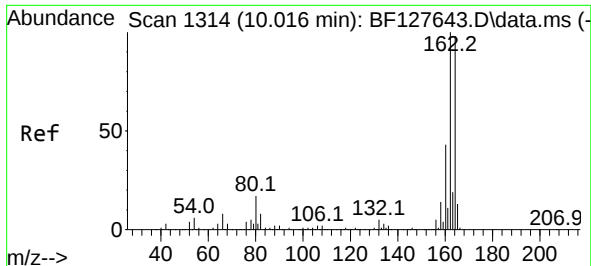
Tgt Ion:142 Resp: 573865

Ion Ratio Lower Upper

142 100

141 90.8 74.2 111.2

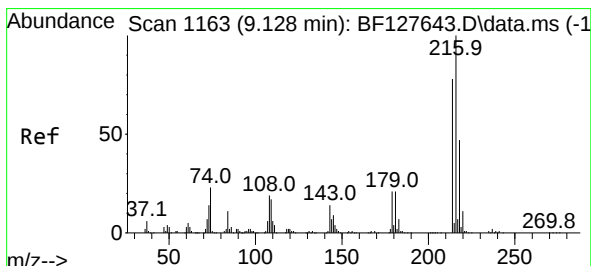
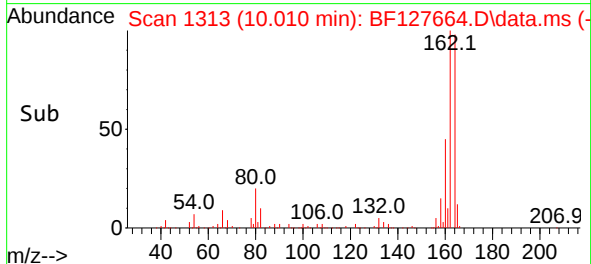
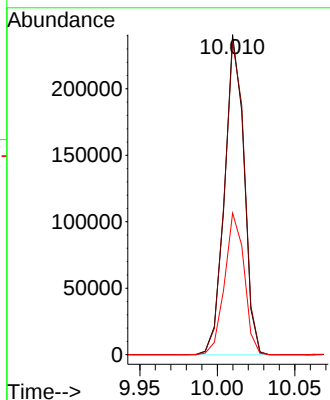
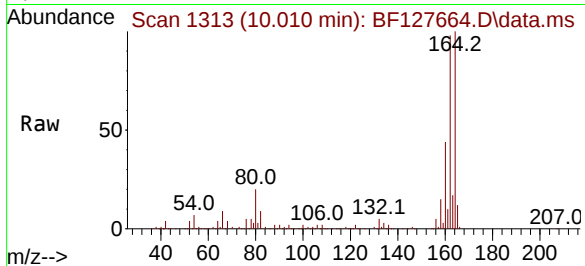




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.010 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

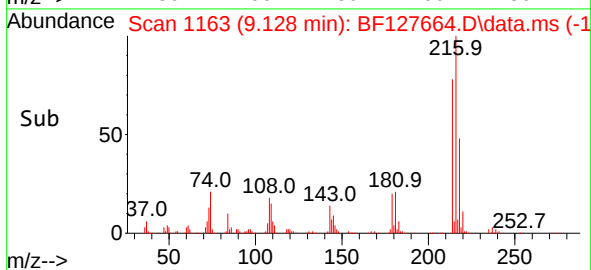
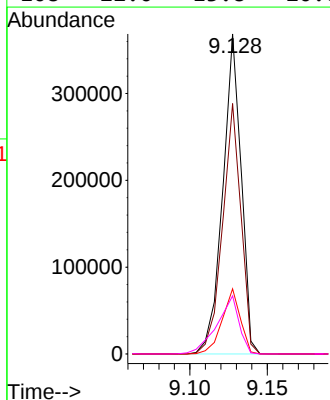
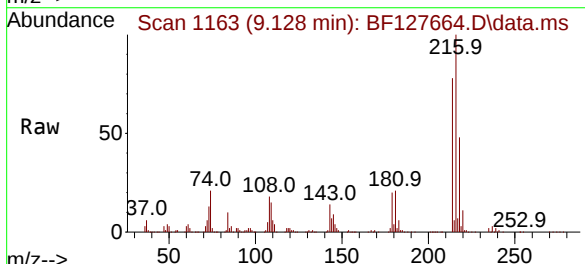
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

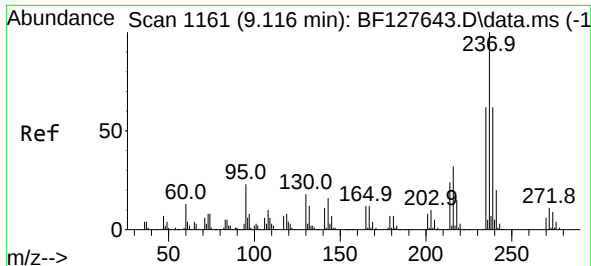
Tgt Ion:164 Resp: 208815  
Ion Ratio Lower Upper  
164 100  
162 98.0 81.2 121.8  
160 44.3 34.6 52.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.383 ng  
RT: 9.128 min Scan# 1163  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:216 Resp: 303978  
Ion Ratio Lower Upper  
216 100  
214 78.0 63.0 94.4  
179 20.2 15.5 23.3  
108 22.0 13.8 20.6#

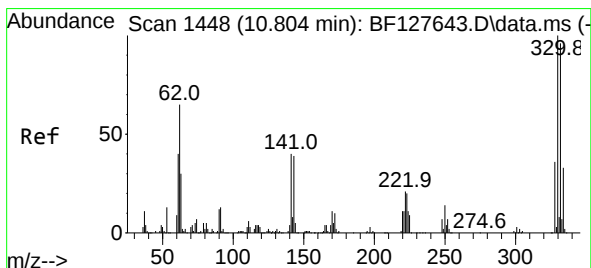
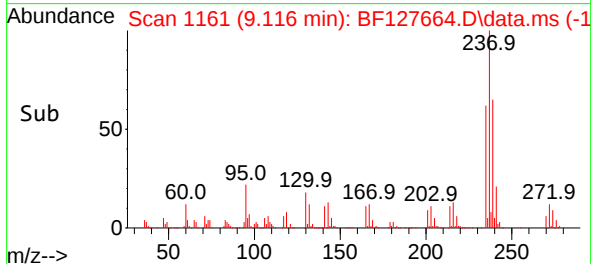
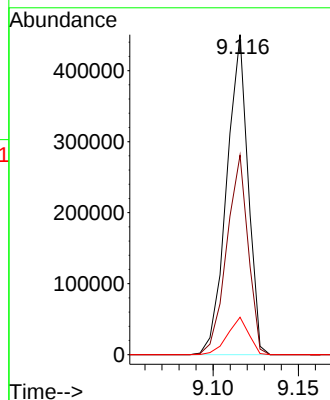
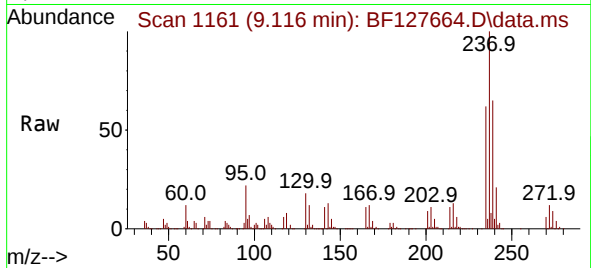




#41  
Hexachlorocyclopentadiene  
Concen: 94.909 ng  
RT: 9.116 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

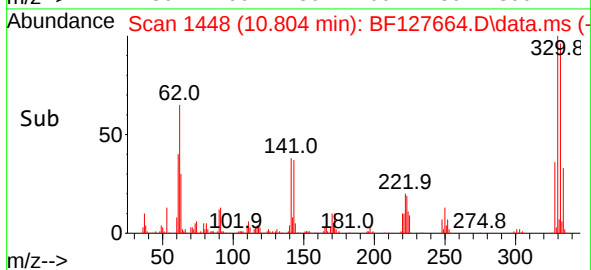
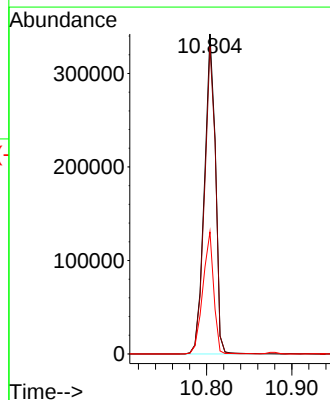
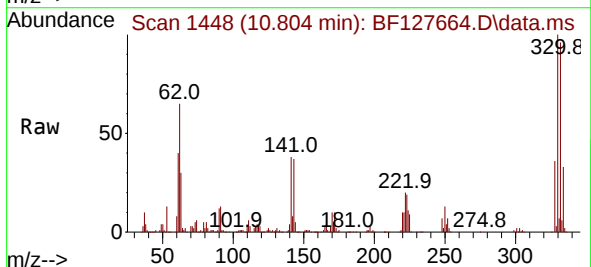
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

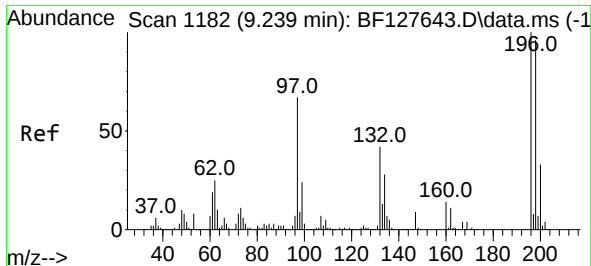
Tgt Ion:237 Resp: 391562  
Ion Ratio Lower Upper  
237 100  
235 62.4 40.4 80.4  
272 11.7 0.0 31.8



#42  
2,4,6-Tribromophenol  
Concen: 138.245 ng  
RT: 10.804 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:330 Resp: 307194  
Ion Ratio Lower Upper  
330 100  
332 96.3 79.1 118.7  
141 37.6 26.2 39.4





#43

2,4,6-Trichlorophenol

Concen: 44.365 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

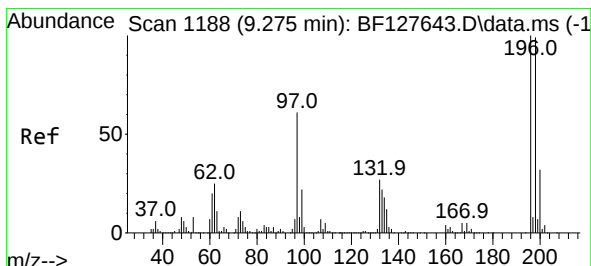
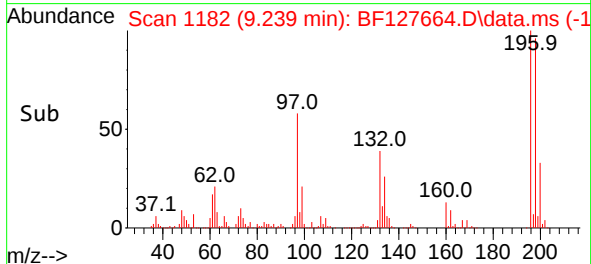
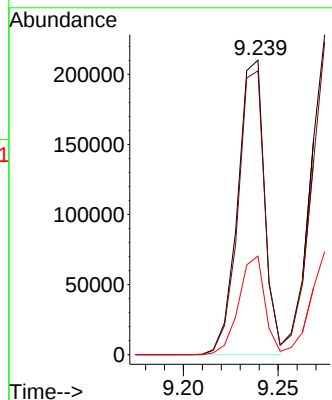
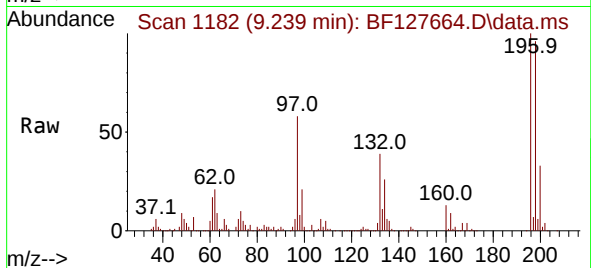
Tgt Ion:196 Resp: 206292

Ion Ratio Lower Upper

196 100

198 96.4 77.8 116.6

200 33.5 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 47.377 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Tgt Ion:196 Resp: 222292

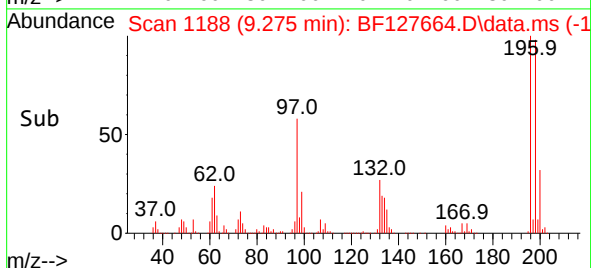
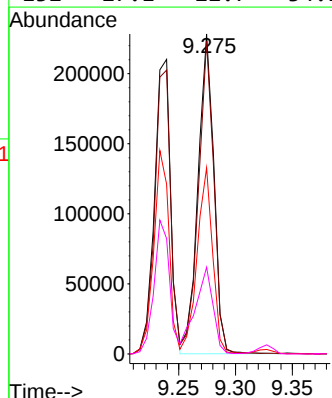
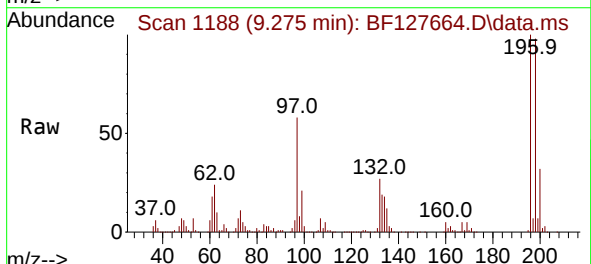
Ion Ratio Lower Upper

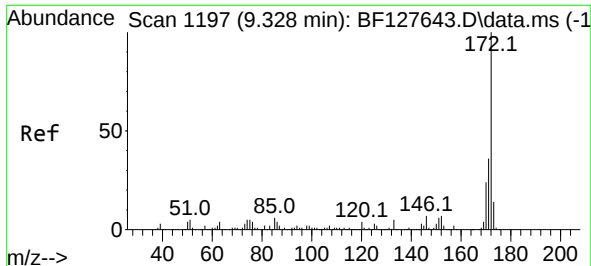
196 100

198 97.8 75.3 112.9

97 58.2 46.8 70.2

132 27.1 22.7 34.1





#45

2-Fluorobiphenyl

Concen: 83.918 ng

RT: 9.328 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

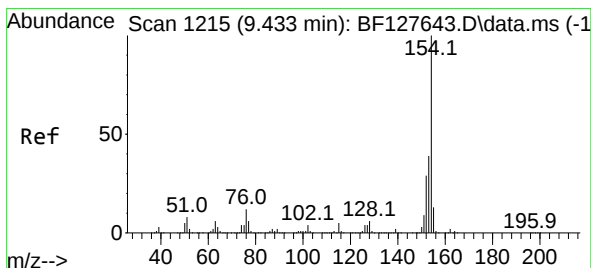
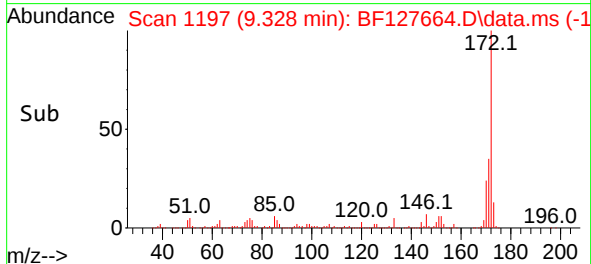
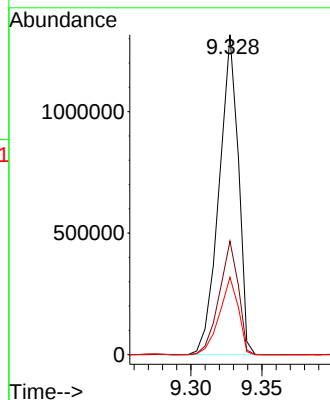
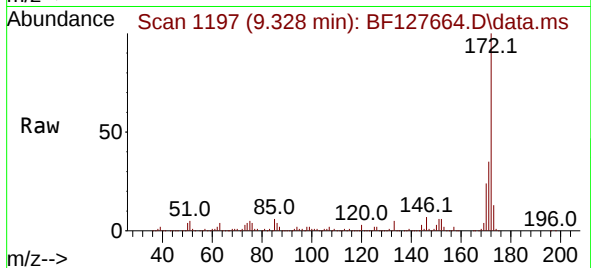
Tgt Ion:172 Resp: 1238694

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.2 18.6 27.8



#46

1,1'-Biphenyl

Concen: 45.954 ng

RT: 9.428 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

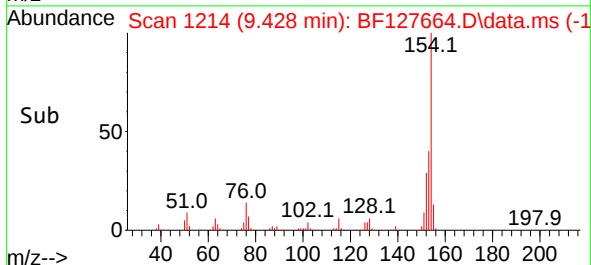
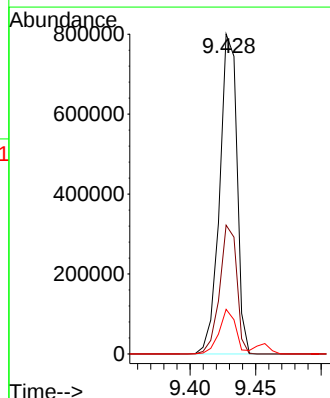
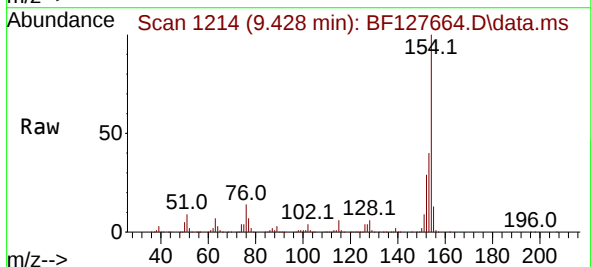
Tgt Ion:154 Resp: 733883

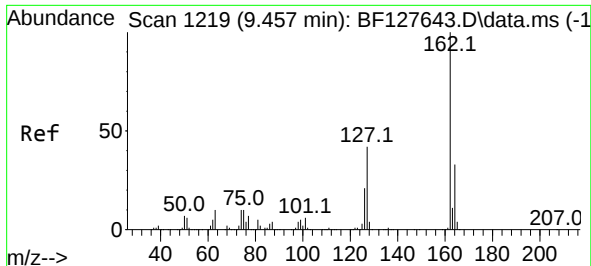
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 13.9 0.0 33.9

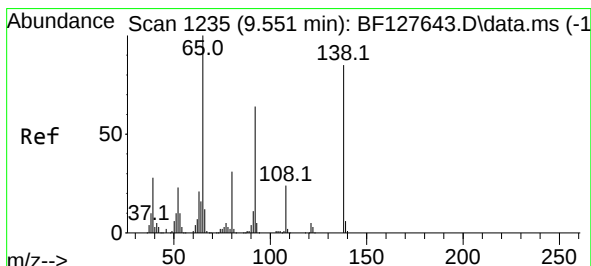
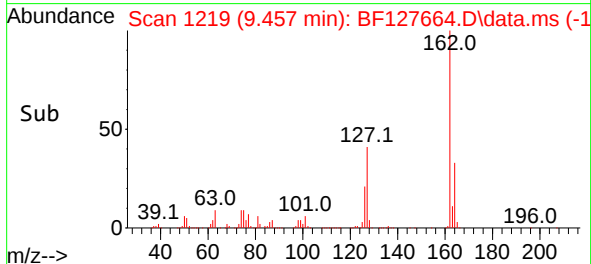
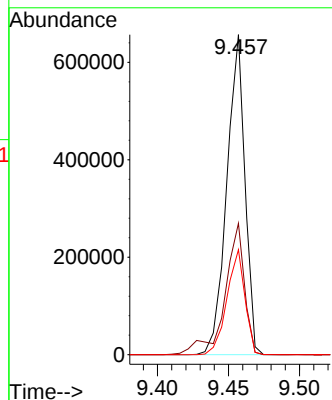
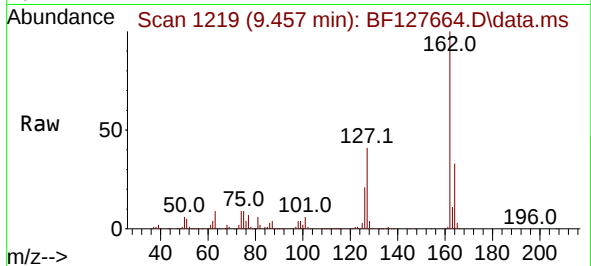




#47  
2-Chloronaphthalene  
Concen: 45.968 ng  
RT: 9.457 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

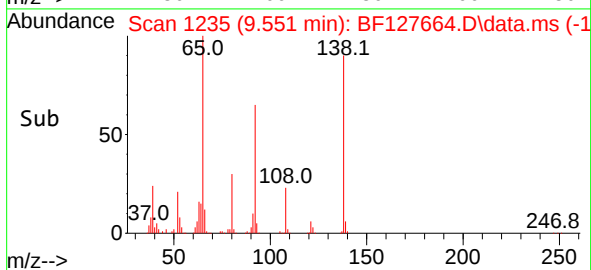
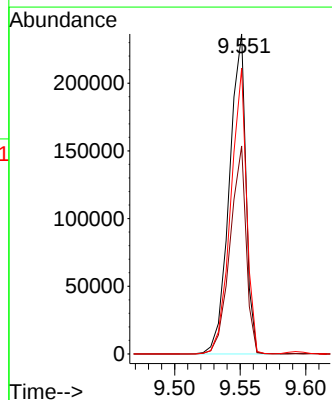
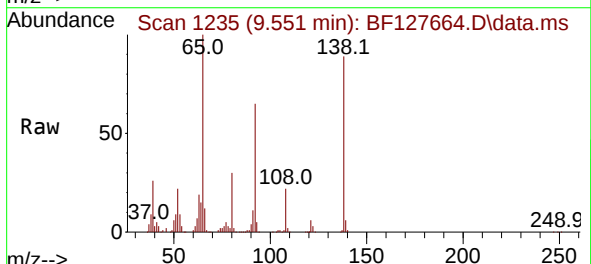
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

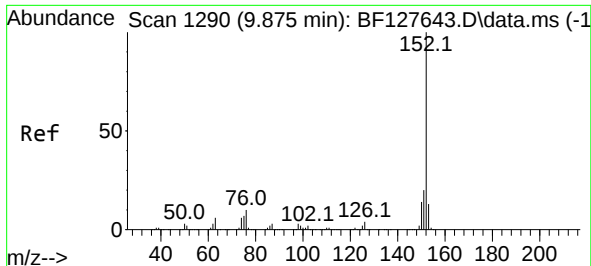
Tgt Ion:162 Resp: 583382  
Ion Ratio Lower Upper  
162 100  
127 41.0 31.8 47.6  
164 32.8 26.4 39.6



#48  
2-Nitroaniline  
Concen: 52.807 ng  
RT: 9.551 min Scan# 1235  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion: 65 Resp: 208143  
Ion Ratio Lower Upper  
65 100  
92 65.0 50.0 75.0  
138 89.2 64.1 96.1

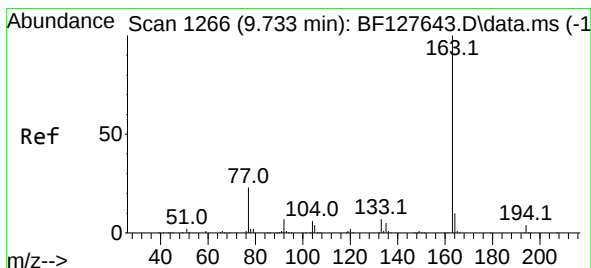
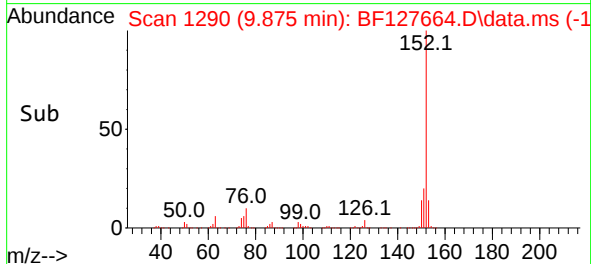
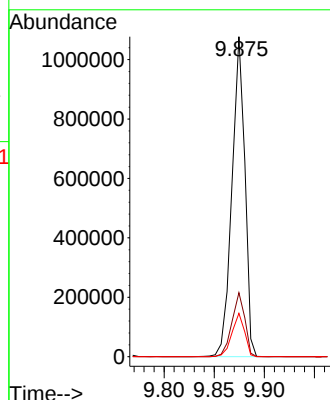
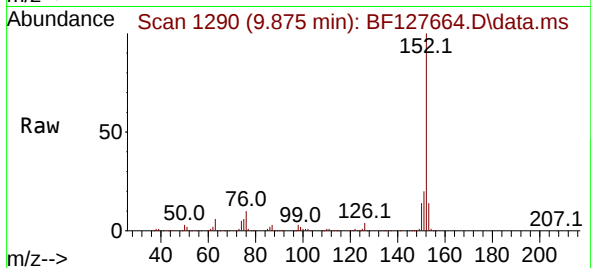




#49  
Acenaphthylene  
Concen: 49.806 ng  
RT: 9.875 min Scan# 1290  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

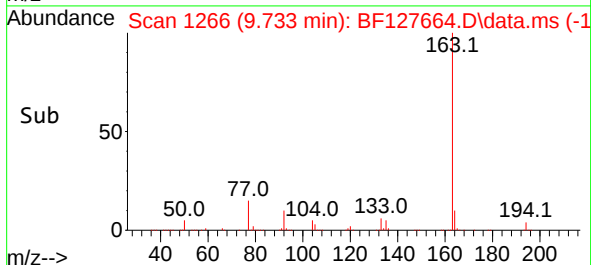
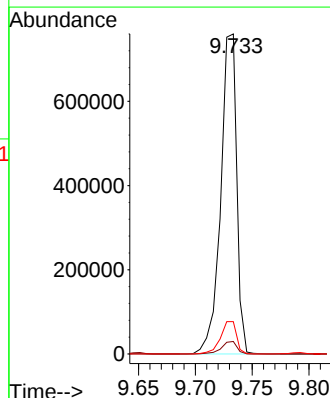
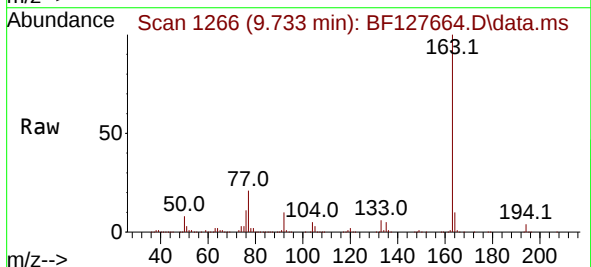
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

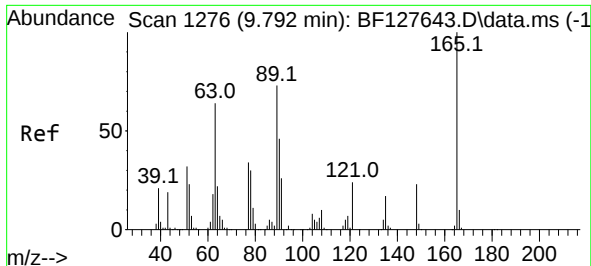
Tgt Ion:152 Resp: 961439  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.8 23.8  
153 13.5 10.5 15.7



#50  
Dimethylphthalate  
Concen: 49.384 ng  
RT: 9.733 min Scan# 1266  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:163 Resp: 747480  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.3 4.9  
164 10.1 7.8 11.8

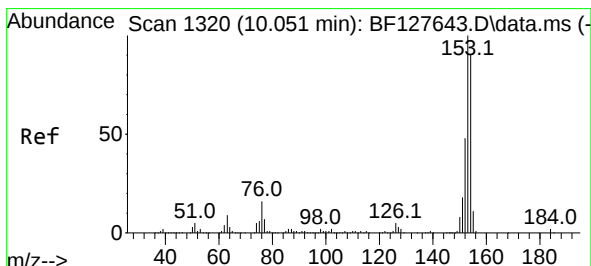
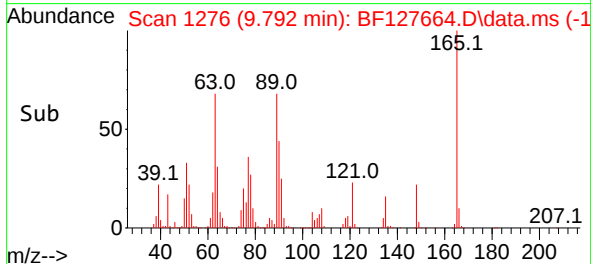
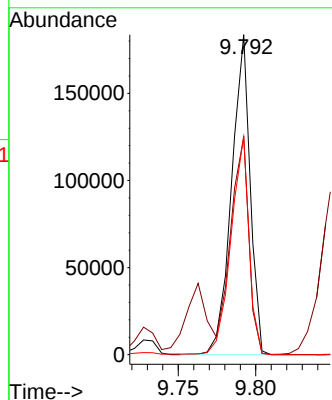
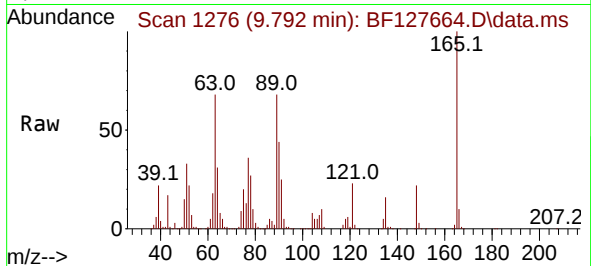




#51  
2,6-Dinitrotoluene  
Concen: 53.606 ng  
RT: 9.792 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

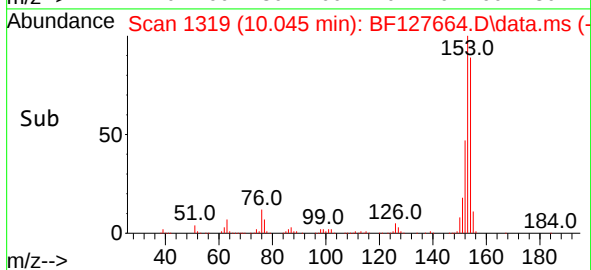
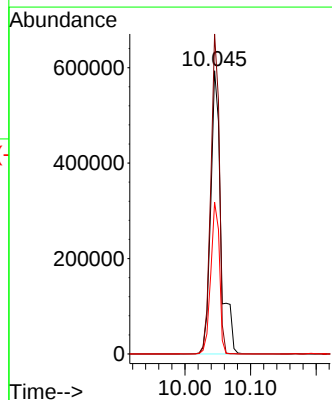
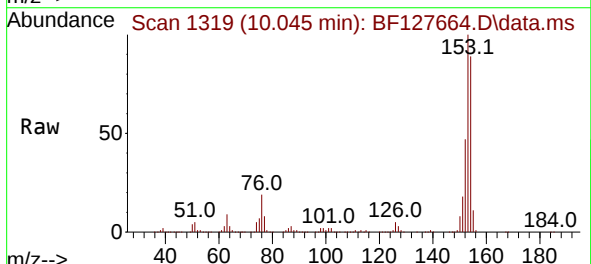
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

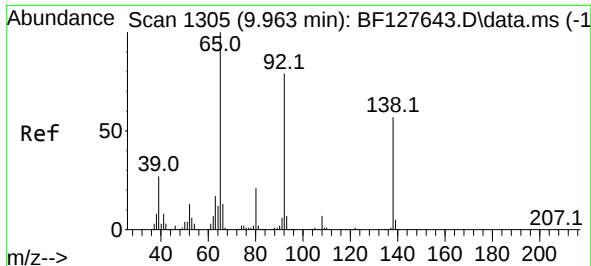
Tgt Ion:165 Resp: 152941  
Ion Ratio Lower Upper  
165 100  
63 68.0 58.3 87.5  
89 68.4 51.5 77.3



#52  
Acenaphthene  
Concen: 52.954 ng  
RT: 10.045 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:154 Resp: 644002  
Ion Ratio Lower Upper  
154 100  
153 113.0 87.6 131.4  
152 53.6 42.9 64.3

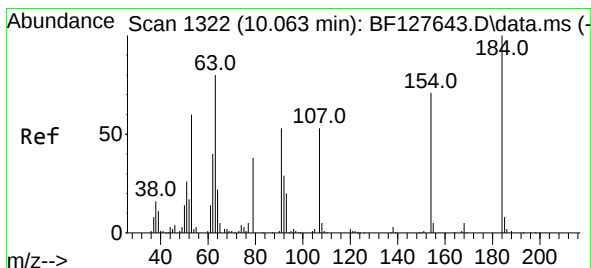
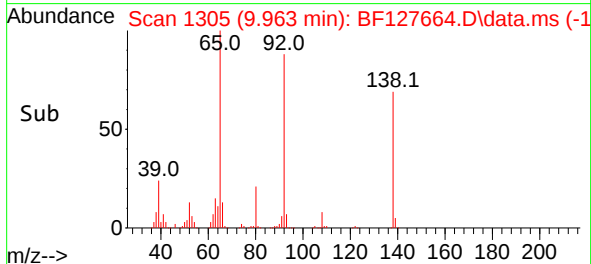
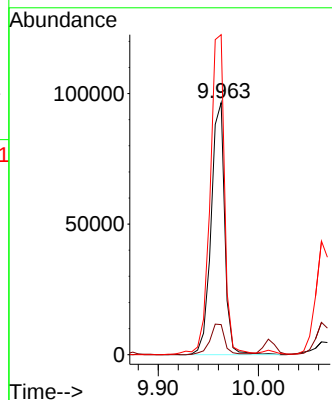
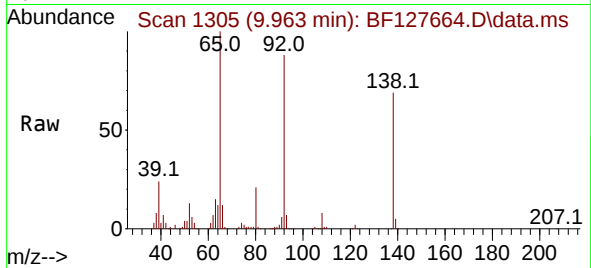




#53  
3-Nitroaniline  
Concen: 30.280 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

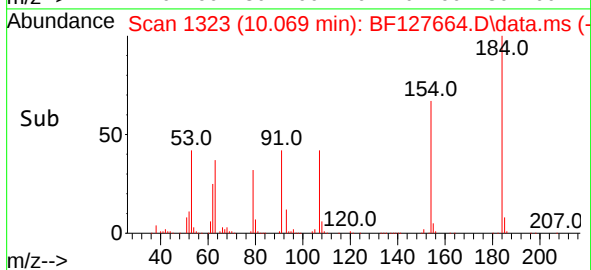
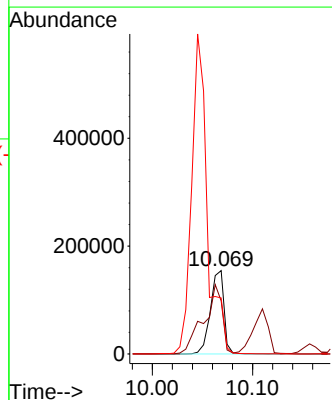
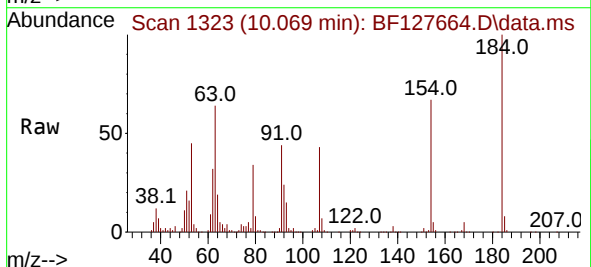
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BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

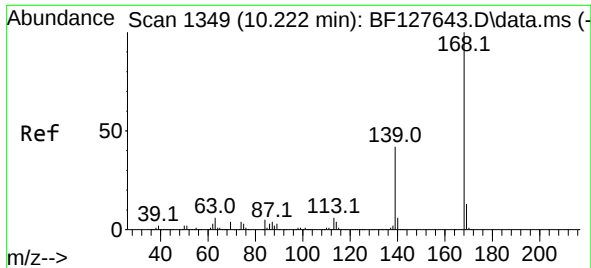
Tgt Ion:138 Resp: 91265  
Ion Ratio Lower Upper  
138 100  
108 12.0 9.4 14.0  
92 127.0 106.1 159.1



#54  
2,4-Dinitrophenol  
Concen: 101.396 ng  
RT: 10.069 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:184 Resp: 145532  
Ion Ratio Lower Upper  
184 100  
63 63.8 58.1 87.1  
154 67.2 53.2 79.8

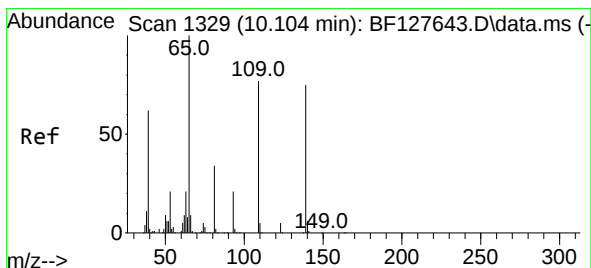
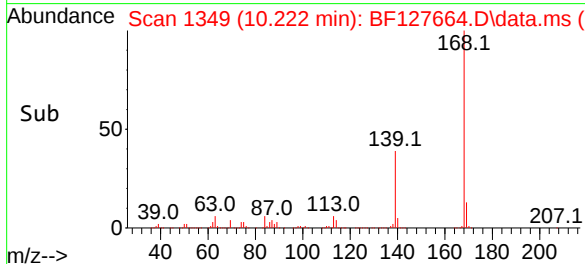
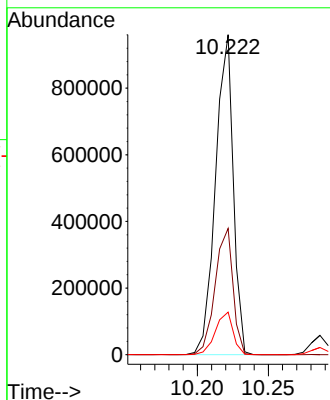
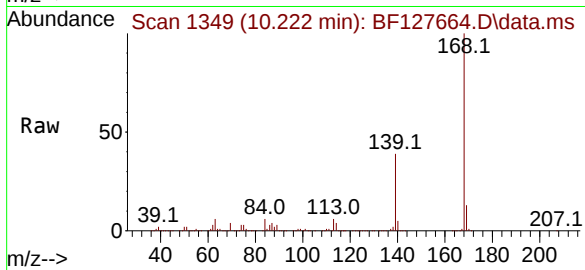




#55  
Dibenzofuran  
Concen: 46.849 ng  
RT: 10.222 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

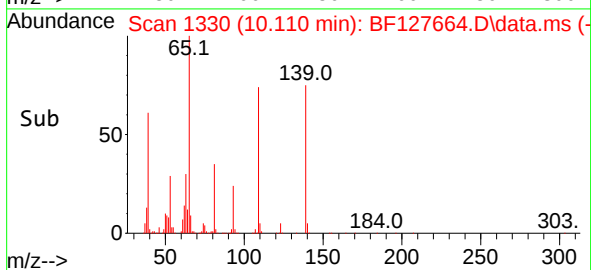
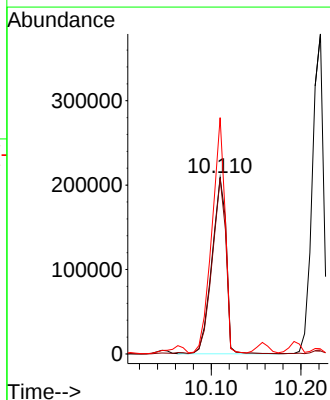
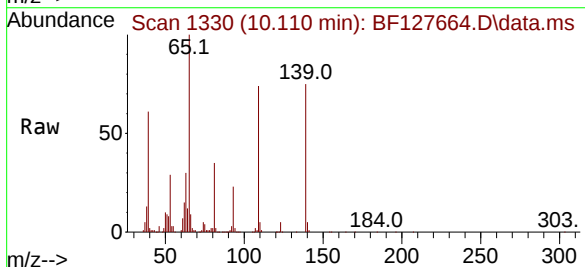
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BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

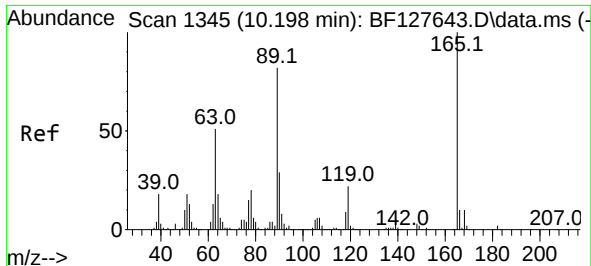
Tgt Ion:168 Resp: 831423  
Ion Ratio Lower Upper  
168 100  
139 39.5 30.3 45.5  
169 13.3 10.8 16.2



#56  
4-Nitrophenol  
Concen: 97.171 ng  
RT: 10.110 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:139 Resp: 230046  
Ion Ratio Lower Upper  
139 100  
109 99.5 64.3 104.3  
65 133.9 117.5 157.5

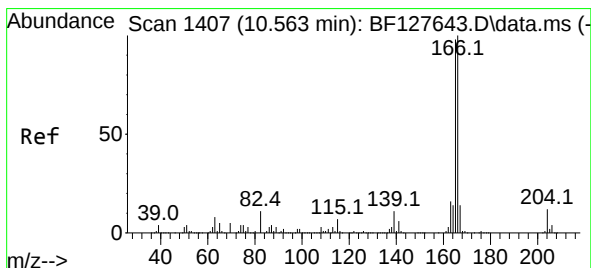
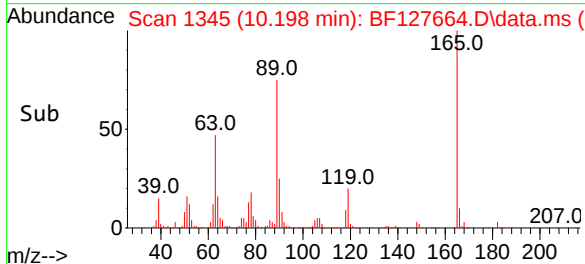
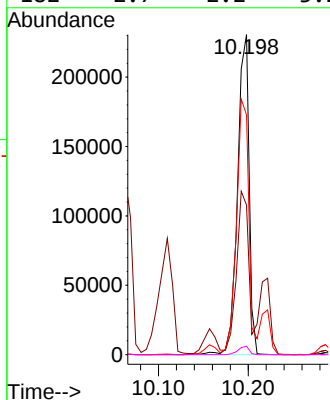
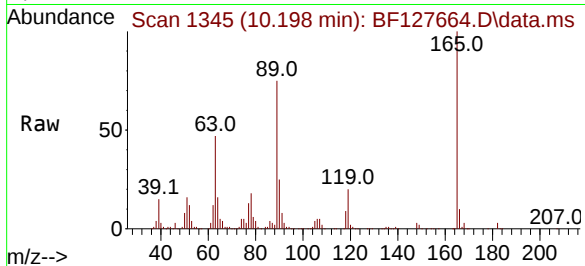




#57  
2,4-Dinitrotoluene  
Concen: 58.429 ng  
RT: 10.198 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

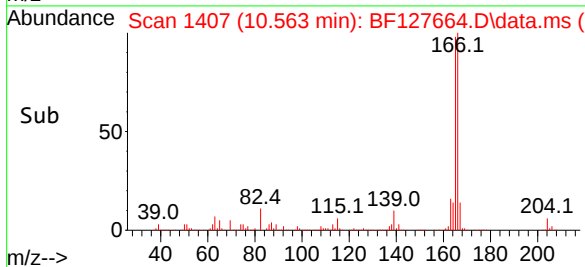
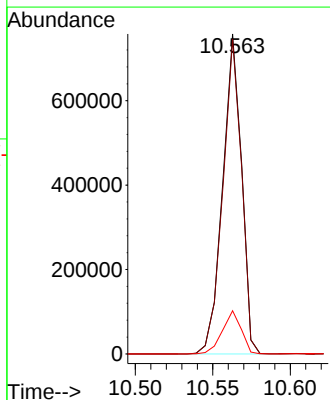
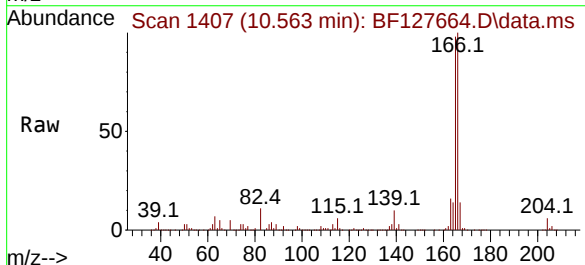
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

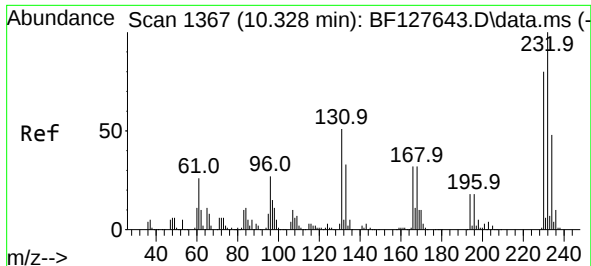
Tgt Ion:165 Resp: 206676  
Ion Ratio Lower Upper  
165 100  
63 46.8 53.1 79.7#  
89 74.9 69.2 103.8  
182 2.7 2.2 3.2



#58  
Fluorene  
Concen: 48.857 ng  
RT: 10.563 min Scan# 1407  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:166 Resp: 640652  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.1 117.1  
167 13.5 10.5 15.7

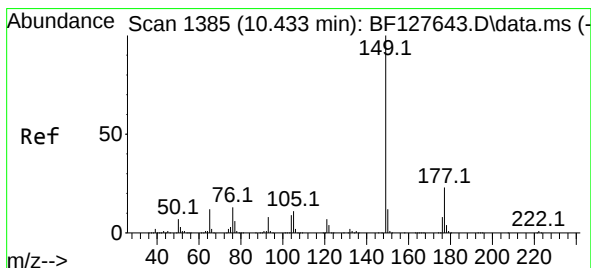
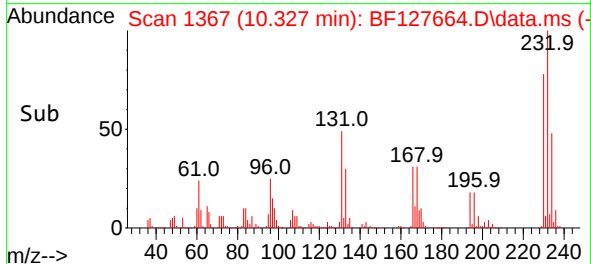
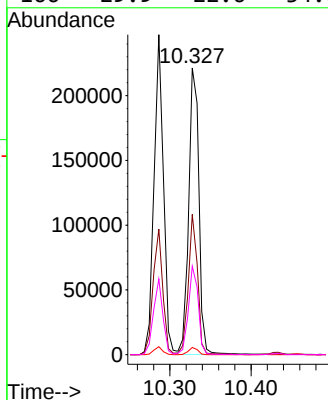
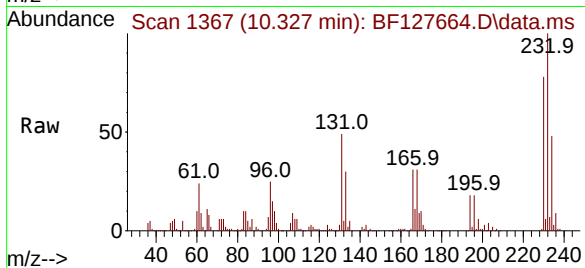




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.424 ng  
RT: 10.327 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

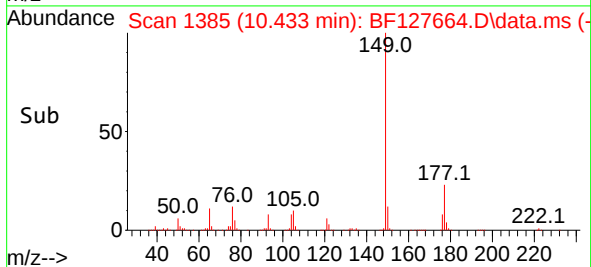
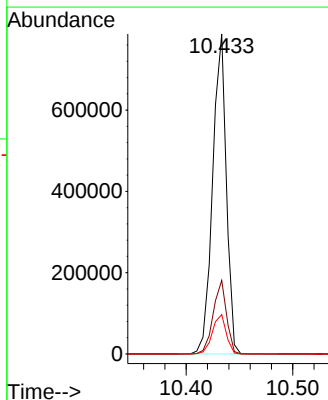
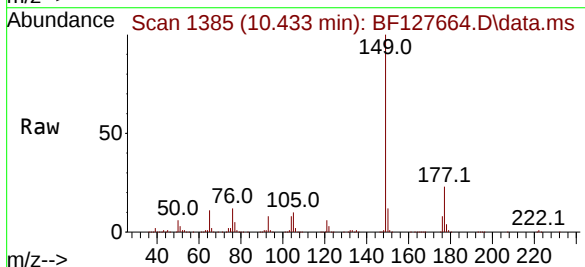
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

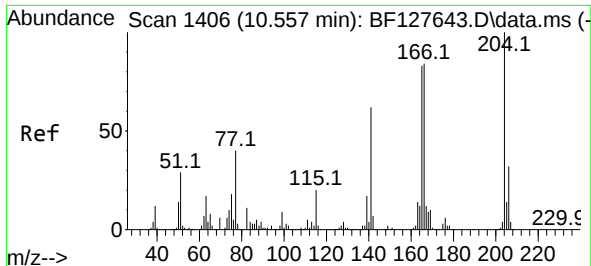
Tgt Ion:232 Resp: 193892  
Ion Ratio Lower Upper  
232 100  
131 44.1 33.4 50.0  
130 2.3 1.8 2.6  
166 29.9 22.6 34.0



#60  
Diethylphthalate  
Concen: 48.351 ng  
RT: 10.433 min Scan# 1385  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:149 Resp: 700316  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.9 28.3  
150 12.3 10.0 15.0

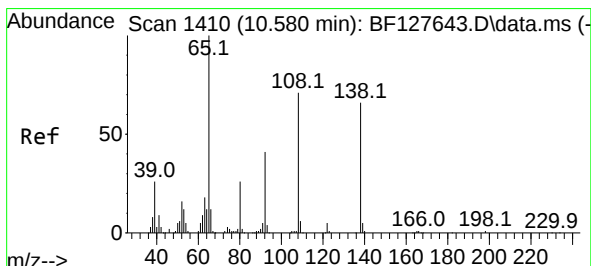
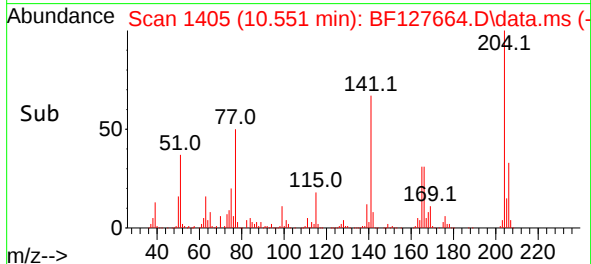
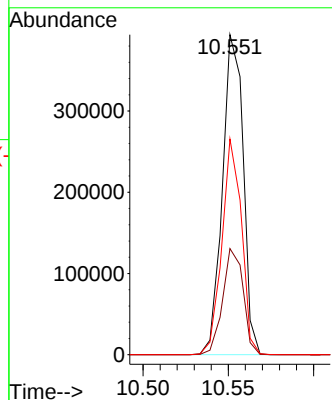
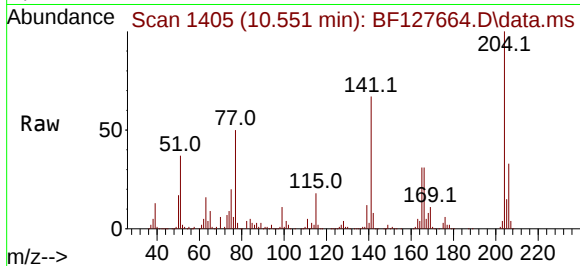




#61  
4-Chlorophenyl-phenylether  
Concen: 46.303 ng  
RT: 10.551 min Scan# 1406  
Delta R.T. -0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

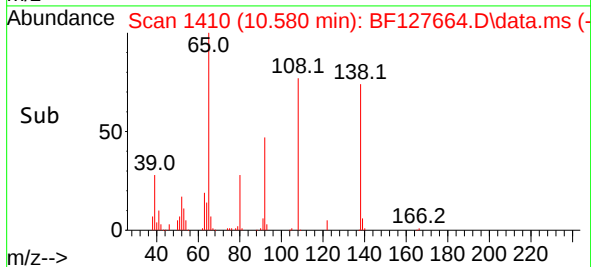
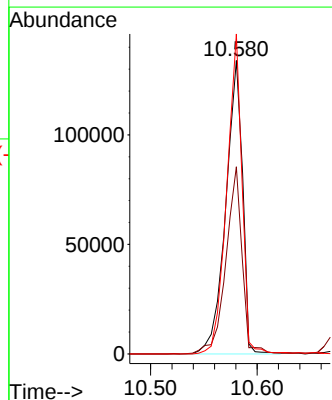
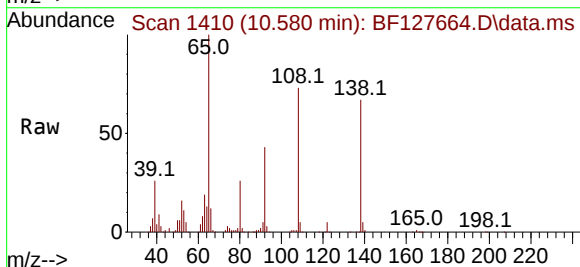
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

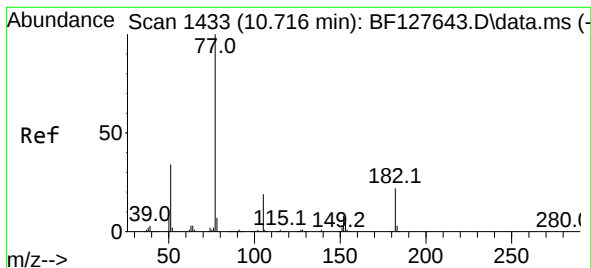
Tgt Ion:204 Resp: 333607  
Ion Ratio Lower Upper  
204 100  
206 33.2 25.9 38.9  
141 67.4 47.8 71.8



#62  
4-Nitroaniline  
Concen: 51.566 ng  
RT: 10.580 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:138 Resp: 146381  
Ion Ratio Lower Upper  
138 100  
92 63.8 40.5 80.5  
108 109.0 69.2 109.2

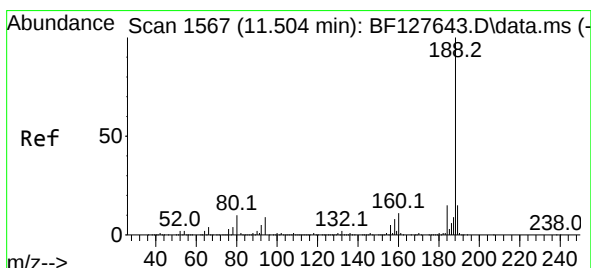
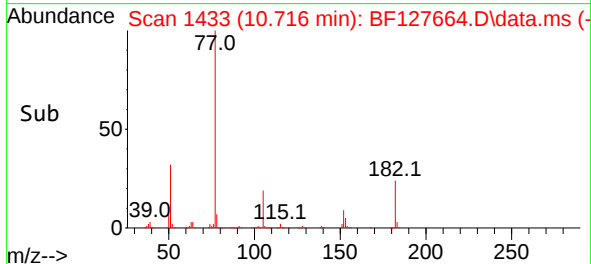
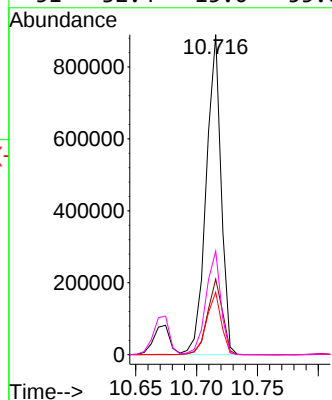
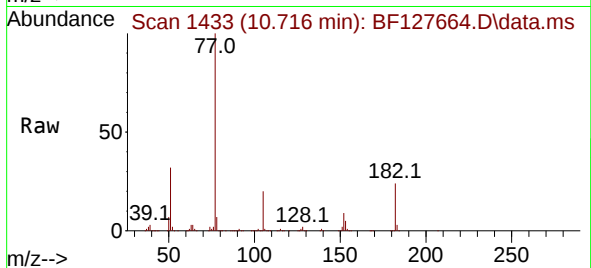




#63  
Azobenzene  
Concen: 46.570 ng  
RT: 10.716 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

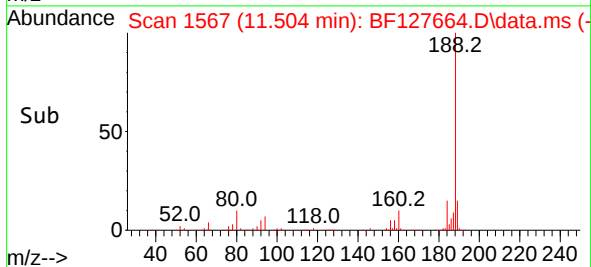
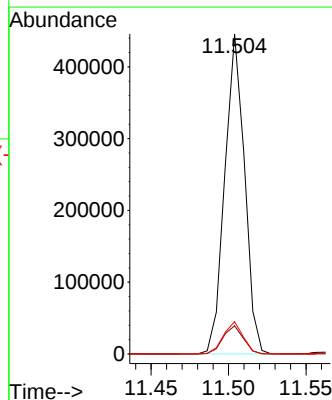
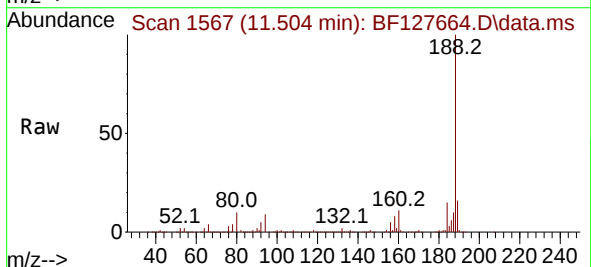
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

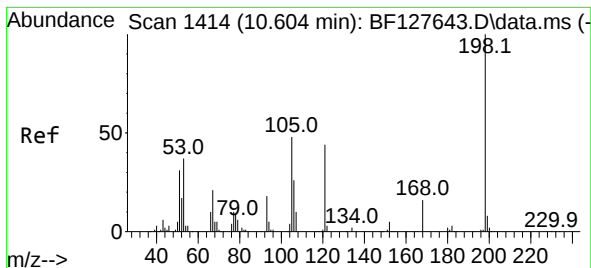
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 753724 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 23.6  | 4.5   | 44.5   |
| 105      | 19.5  | 0.3   | 40.3   |
| 51       | 32.4  | 15.0  | 55.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.504 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 395902 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.8   | 7.4   | 11.0   |
| 80       | 10.1  | 8.0   | 12.0   |

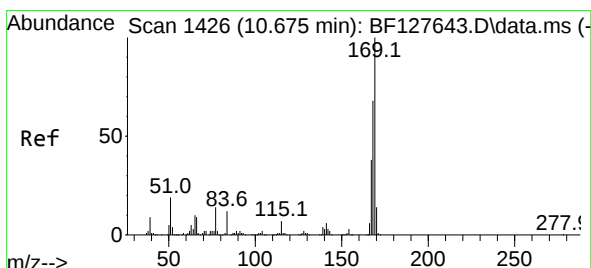
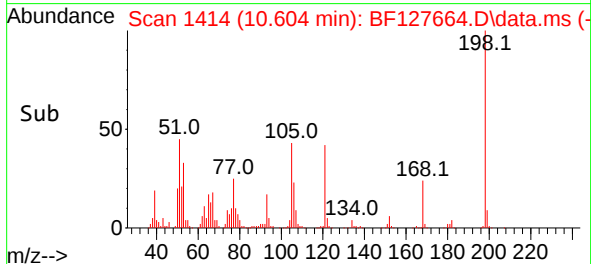
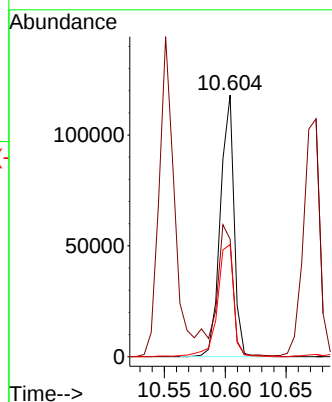
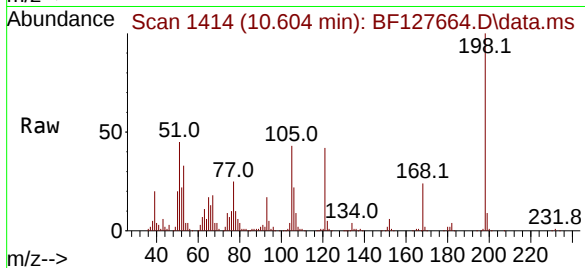




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.305 ng  
RT: 10.604 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

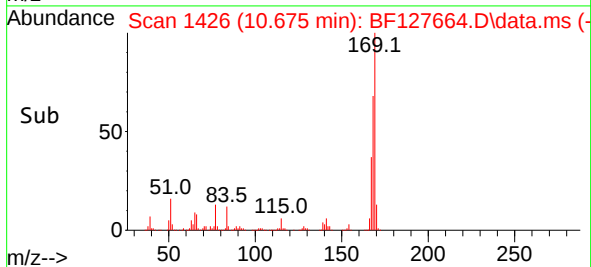
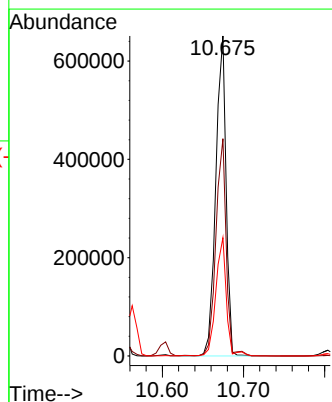
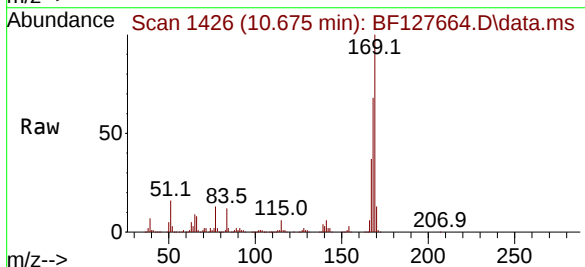
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

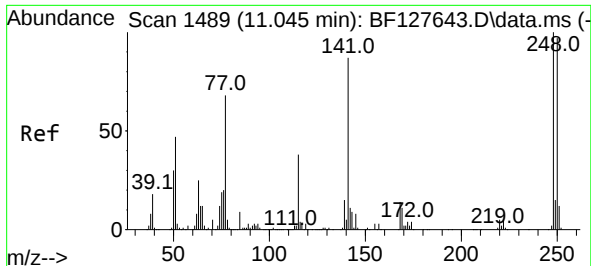
Tgt Ion:198 Resp: 92369  
Ion Ratio Lower Upper  
198 100  
51 44.9 42.7 82.7  
105 42.9 25.4 65.4



#66  
n-Nitrosodiphenylamine  
Concen: 45.783 ng  
RT: 10.675 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:169 Resp: 570863  
Ion Ratio Lower Upper  
169 100  
168 67.9 52.7 79.1  
167 37.0 28.9 43.3

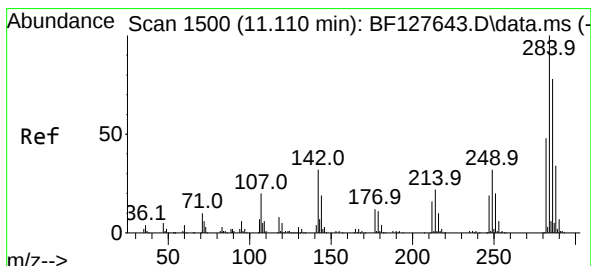
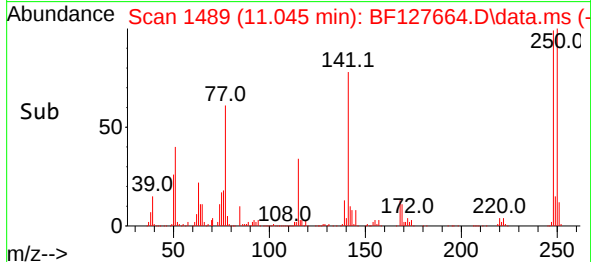
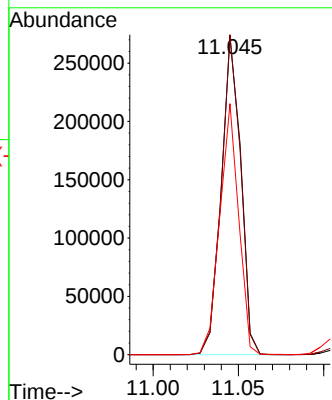
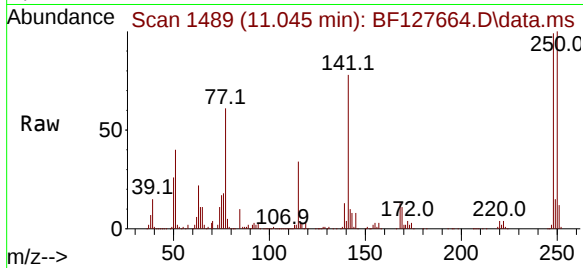




#67  
4-Bromophenyl-phenylether  
Concen: 45.452 ng  
RT: 11.045 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

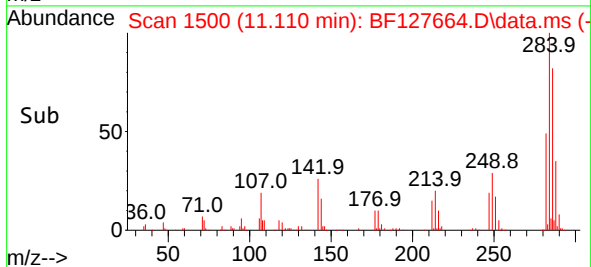
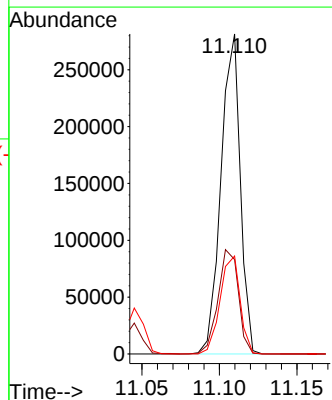
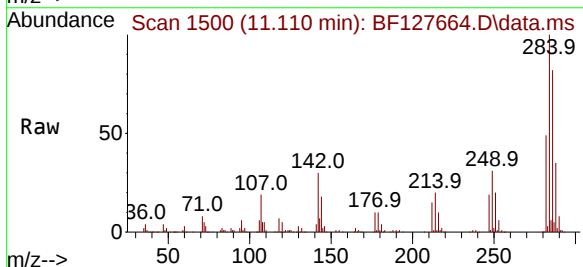
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

Tgt Ion:248 Resp: 218389  
Ion Ratio Lower Upper  
248 100  
250 100.7 76.6 115.0  
141 79.0 52.2 78.2#



#68  
Hexachlorobenzene  
Concen: 46.377 ng  
RT: 11.110 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:284 Resp: 243591  
Ion Ratio Lower Upper  
284 100  
142 29.5 23.8 35.8  
249 30.6 23.9 35.9





#69

Atrazine

Concen: 51.902 ng

RT: 11.198 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

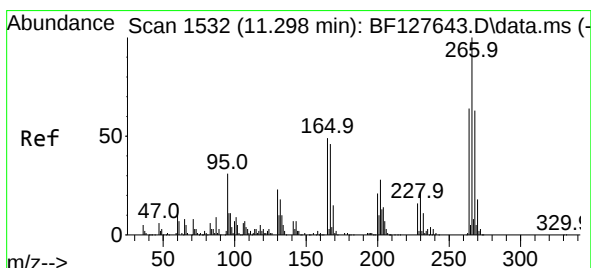
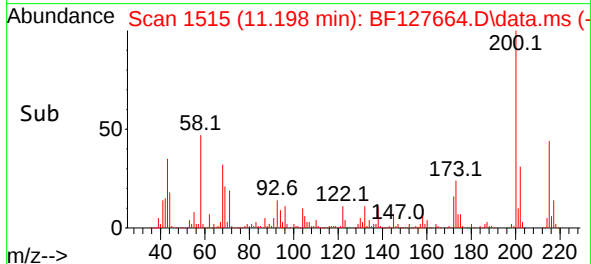
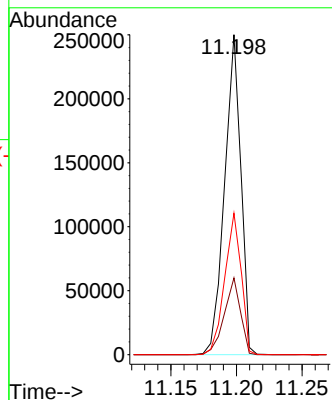
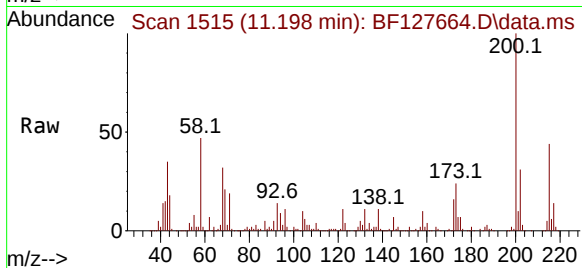
Tgt Ion:200 Resp: 215014

Ion Ratio Lower Upper

200 100

173 24.0 2.9 42.9

215 44.2 28.0 68.0



#70

Pentachlorophenol

Concen: 91.944 ng

RT: 11.304 min Scan# 1533

Delta R.T. 0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

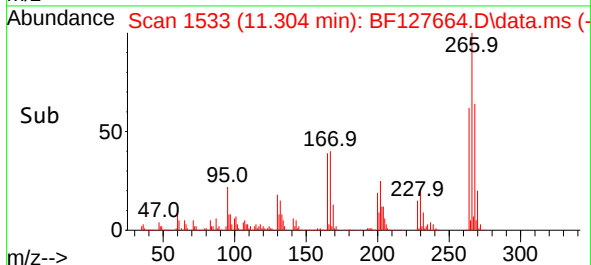
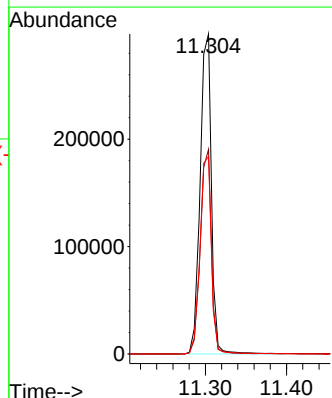
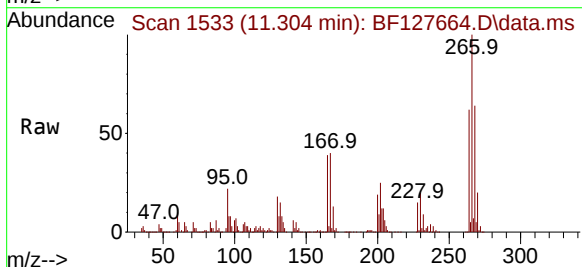
Tgt Ion:266 Resp: 288430

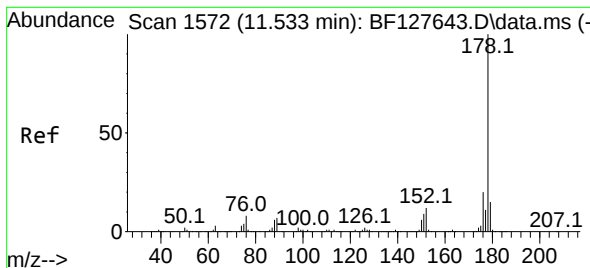
Ion Ratio Lower Upper

266 100

268 63.9 50.4 75.6

264 61.7 48.5 72.7





#71

Phenanthrene

Concen: 48.012 ng

RT: 11.533 min Scan# 1572

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

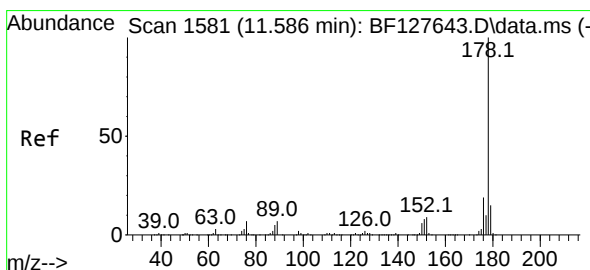
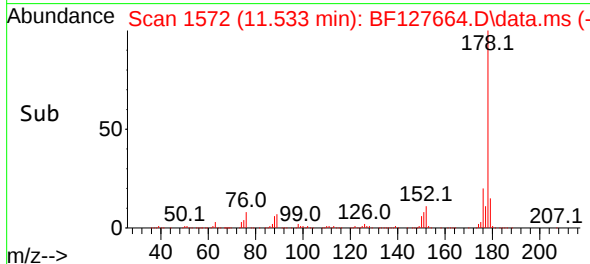
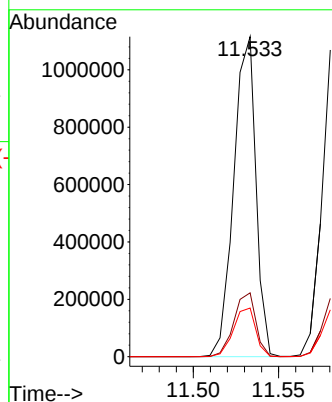
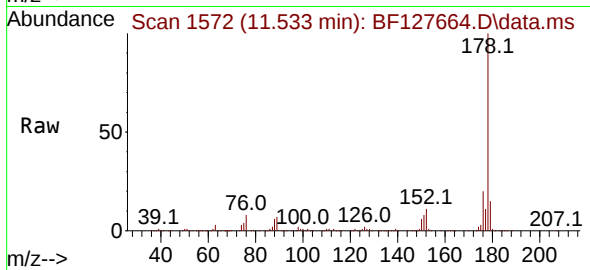
Tgt Ion:178 Resp: 1007100

Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

179 15.2 12.4 18.6



#72

Anthracene

Concen: 49.173 ng

RT: 11.586 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

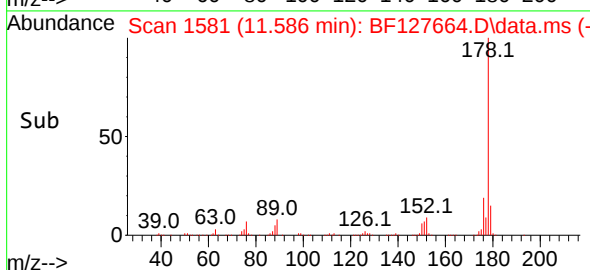
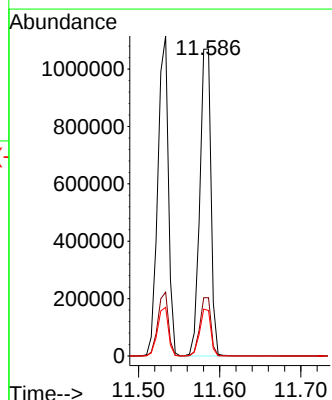
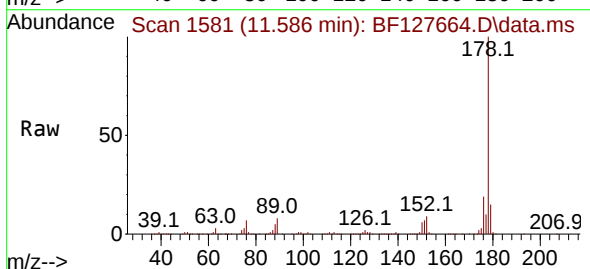
Tgt Ion:178 Resp: 1020307

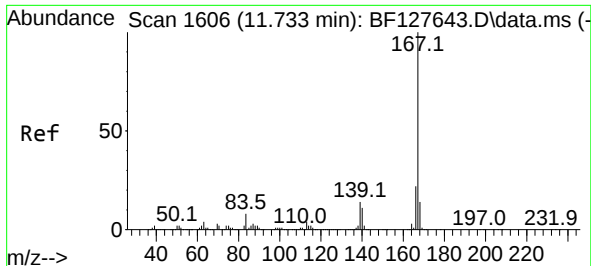
Ion Ratio Lower Upper

178 100

176 19.0 14.6 22.0

179 14.8 12.4 18.6

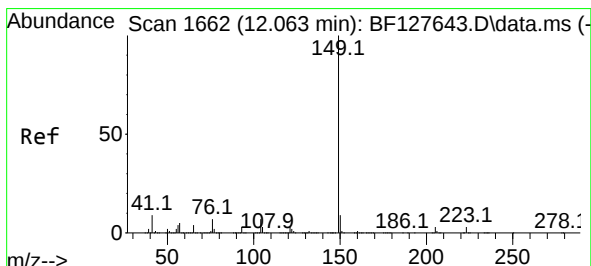
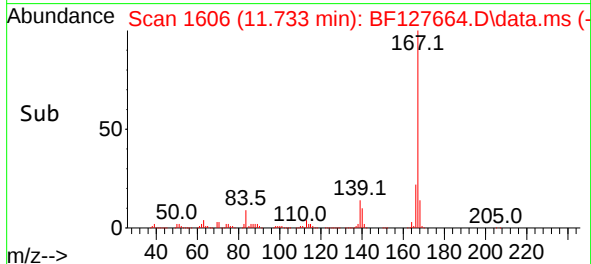
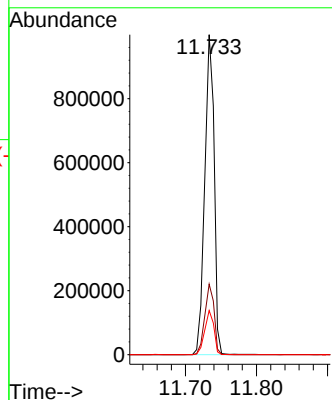
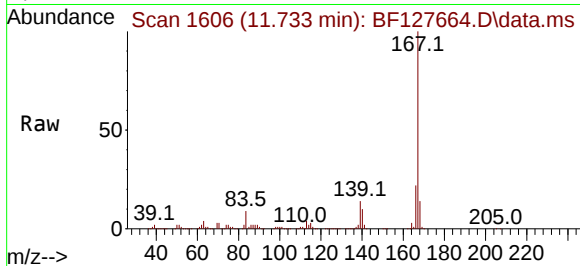




#73  
 Carbazole  
 Concen: 47.473 ng  
 RT: 11.733 min Scan# 1606  
 Delta R.T. -0.000 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

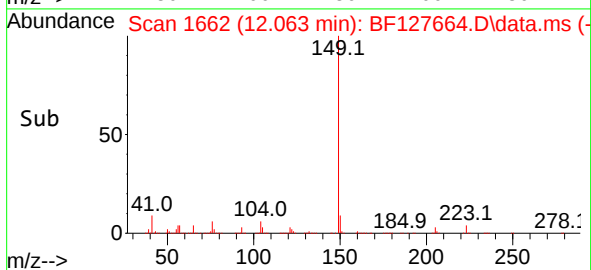
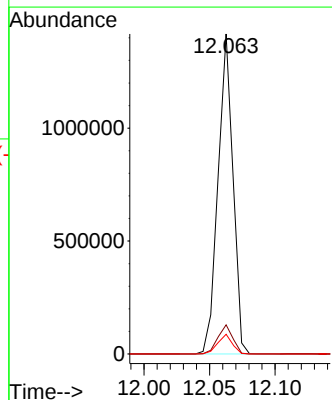
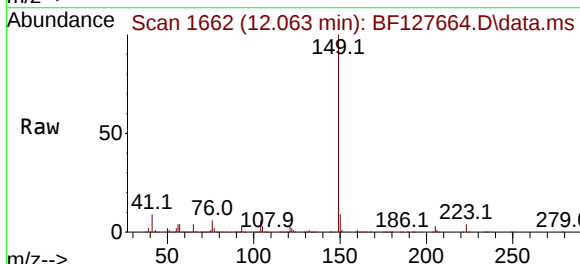
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-DRUMMSD

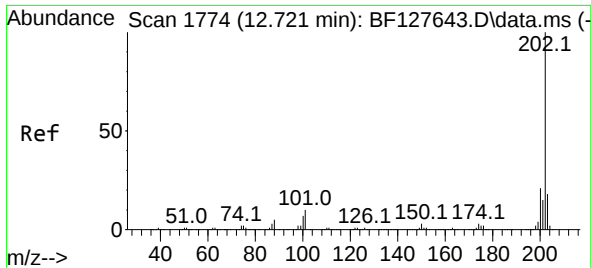
Tgt Ion:167 Resp: 922991  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.0 25.4  
 139 13.8 10.5 15.7



#74  
 Di-n-butylphthalate  
 Concen: 48.257 ng  
 RT: 12.063 min Scan# 1662  
 Delta R.T. -0.000 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

Tgt Ion:149 Resp: 1121580  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.5 11.3  
 104 6.2 4.2 6.2

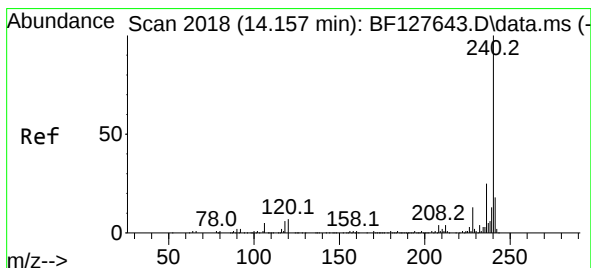
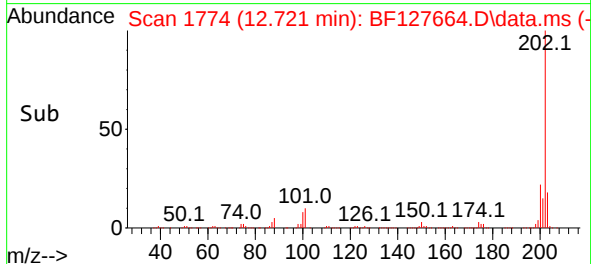
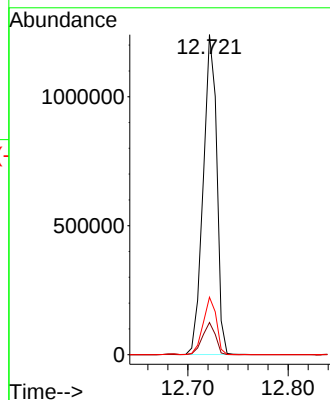
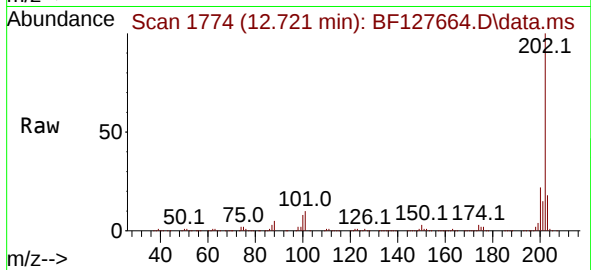




#75  
Fluoranthene  
Concen: 51.091 ng  
RT: 12.721 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

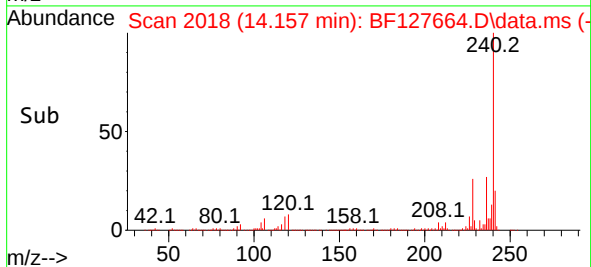
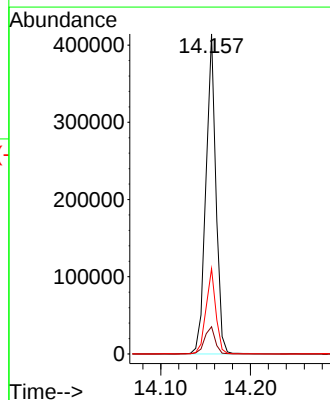
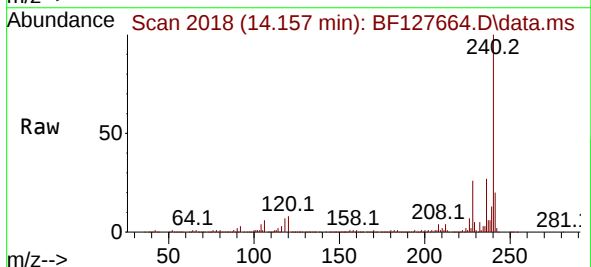
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

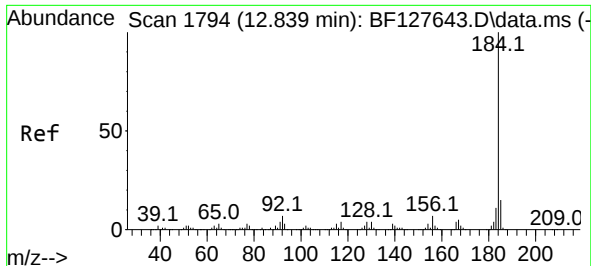
Tgt Ion:202 Resp: 1169464  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 29.0  
203 17.9 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.157 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:240 Resp: 321513  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.1 10.7  
236 26.6 20.7 31.1

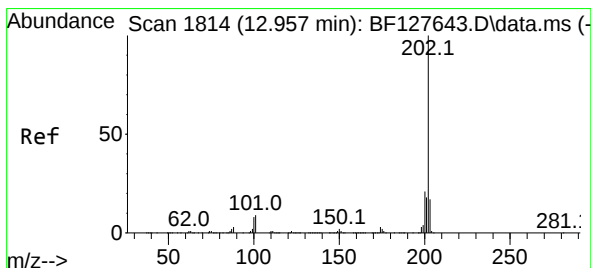
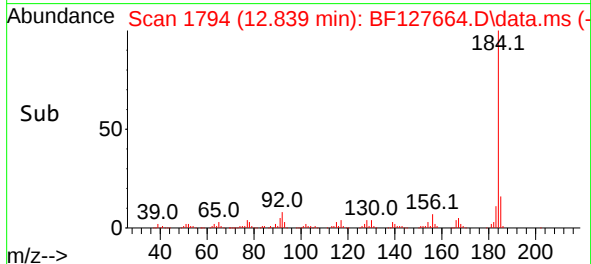
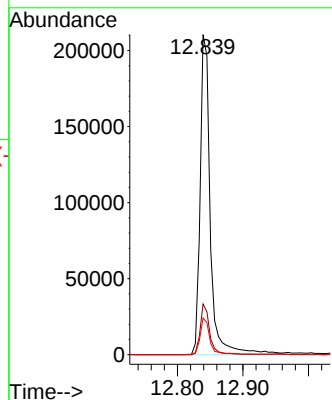
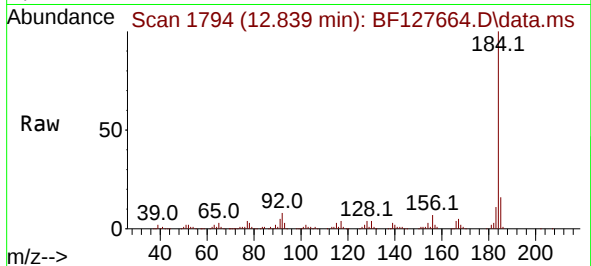




#77  
Benzidine  
Concen: 27.049 ng  
RT: 12.839 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

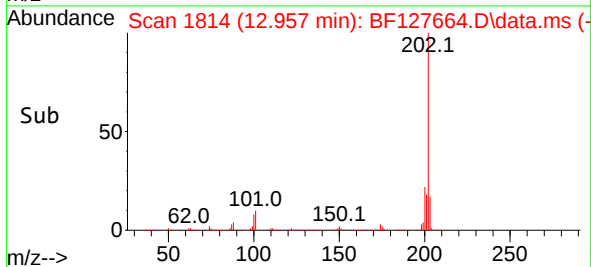
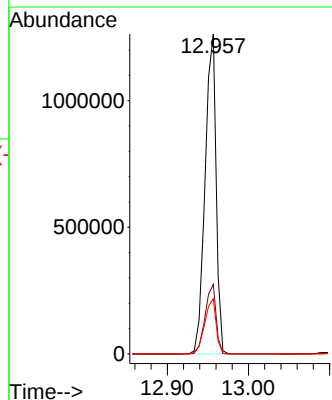
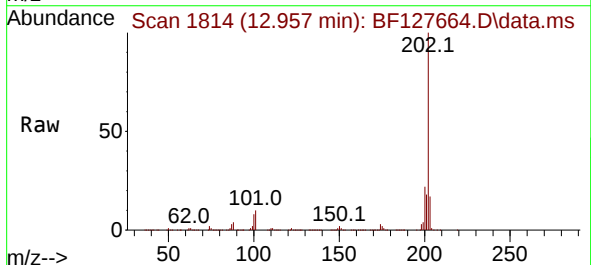
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

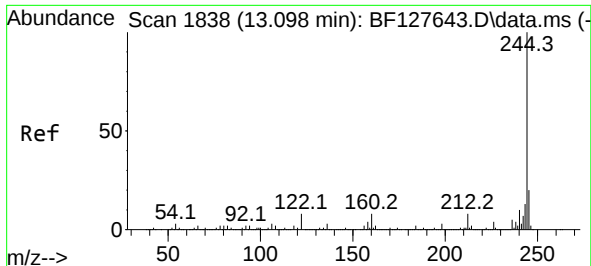
Tgt Ion:184 Resp: 226991  
Ion Ratio Lower Upper  
184 100  
185 15.9 12.2 18.2  
183 11.5 9.4 14.0



#78  
Pyrene  
Concen: 43.840 ng  
RT: 12.957 min Scan# 1814  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

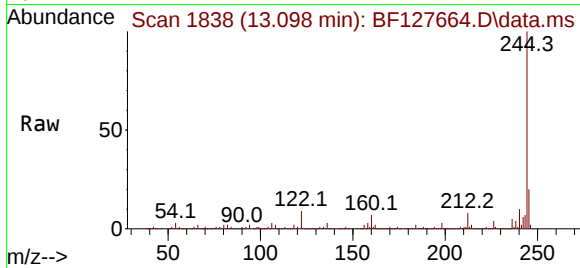
Tgt Ion:202 Resp: 1190248  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.1 25.7  
203 17.3 14.3 21.5



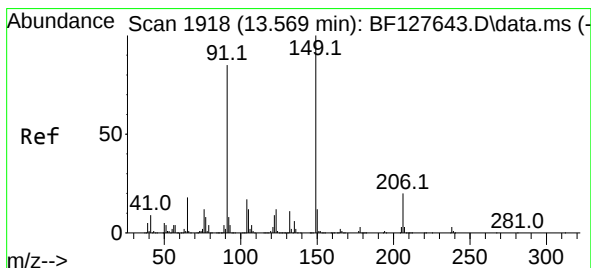
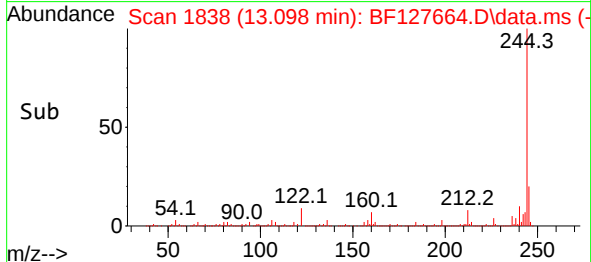
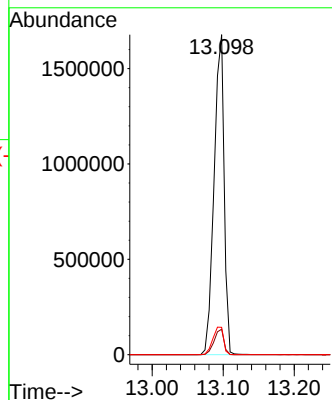


#79  
 Terphenyl-d14  
 Concen: 84.556 ng  
 RT: 13.098 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-DRUMMSD

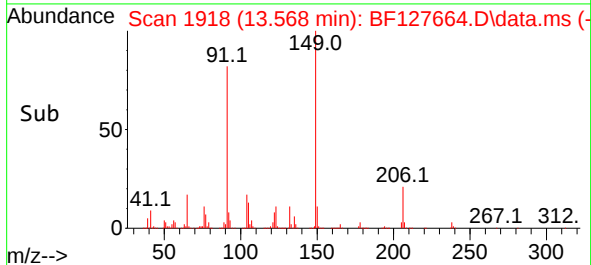
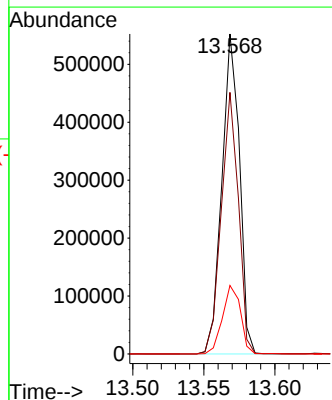
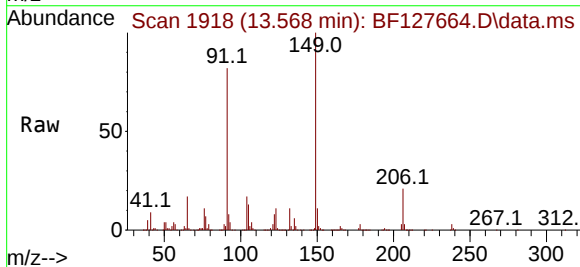


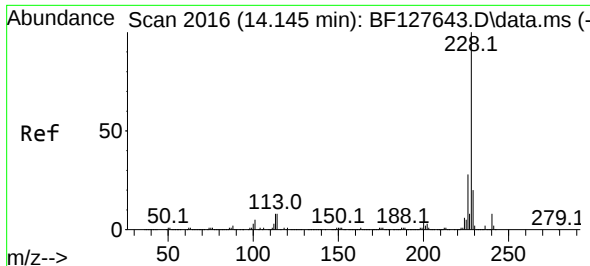
Tgt Ion:244 Resp: 1647035  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.7 8.5  
 122 8.6 6.2 9.2



#80  
 Butylbenzylphthalate  
 Concen: 46.972 ng  
 RT: 13.568 min Scan# 1918  
 Delta R.T. -0.000 min  
 Lab File: BF127664.D  
 Acq: 06 Apr 2022 23:02

Tgt Ion:149 Resp: 474824  
 Ion Ratio Lower Upper  
 149 100  
 91 81.8 69.1 103.7  
 206 21.4 17.7 26.5

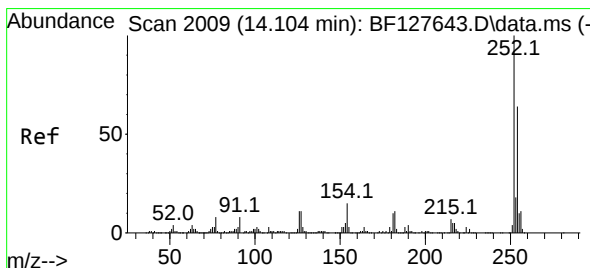
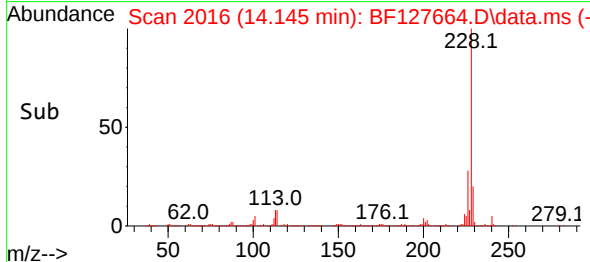
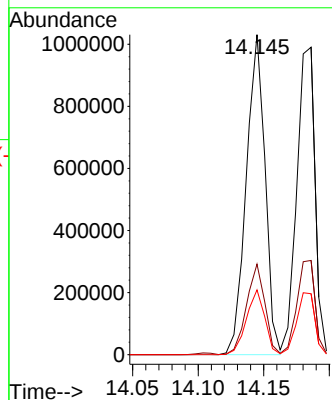
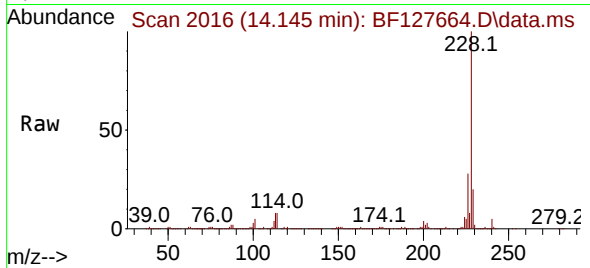




#81  
Benzo(a)anthracene  
Concen: 47.956 ng  
RT: 14.145 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

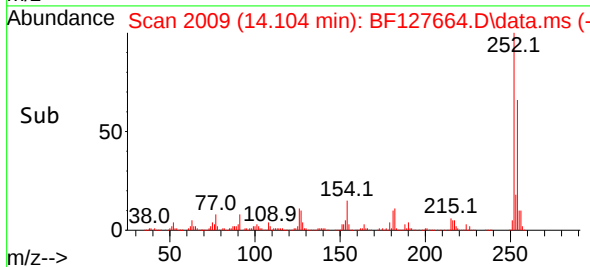
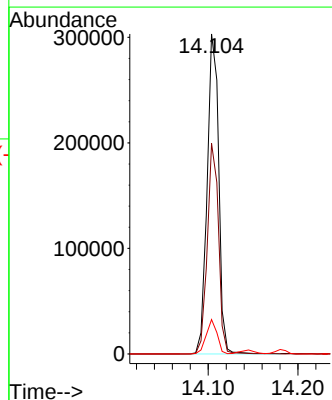
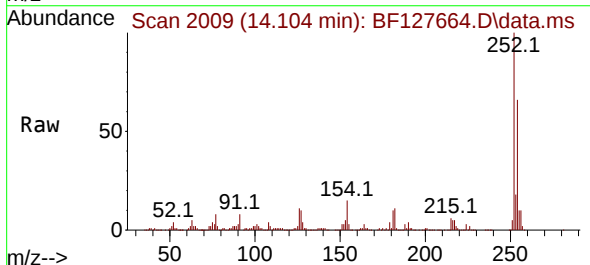
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

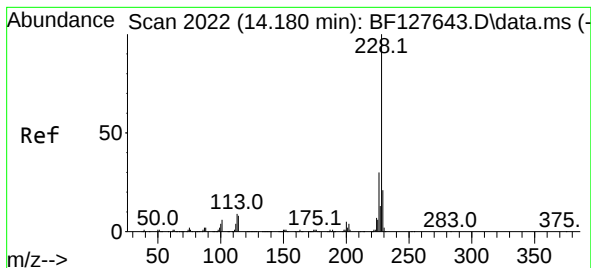
Tgt Ion:228 Resp: 1029779  
Ion Ratio Lower Upper  
228 100  
226 28.3 21.6 32.4  
229 20.2 15.4 23.2



#82  
3,3'-Dichlorobenzidine  
Concen: 40.484 ng  
RT: 14.104 min Scan# 2009  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:252 Resp: 271017  
Ion Ratio Lower Upper  
252 100  
254 65.8 50.2 75.4  
126 10.8 8.7 13.1





#83

Chrysene

Concen: 46.343 ng

RT: 14.186 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

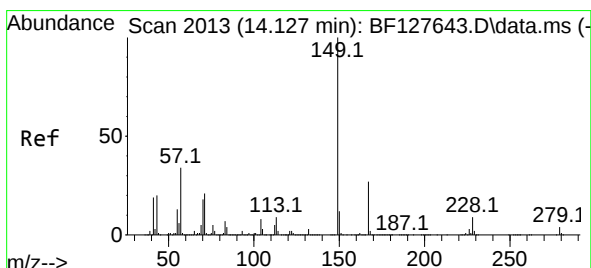
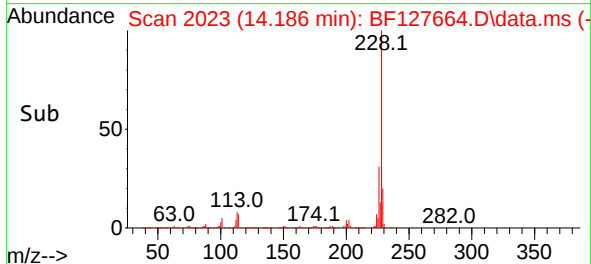
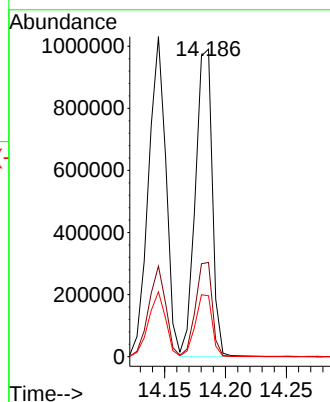
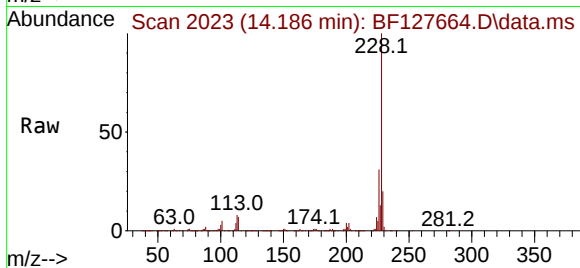
Tgt Ion:228 Resp: 955250

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

229 19.8 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.943 ng

RT: 14.127 min Scan# 2013

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

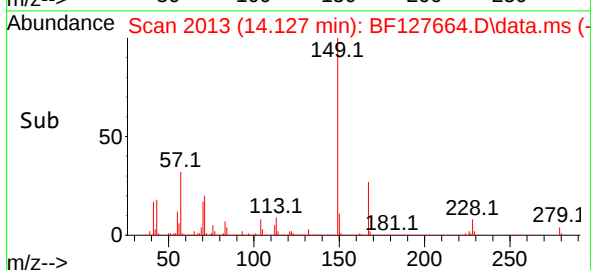
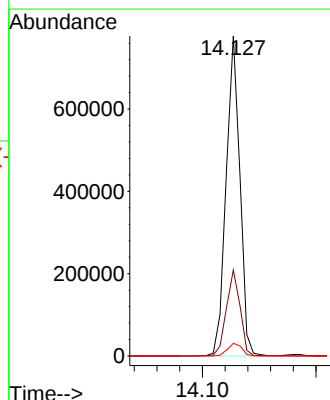
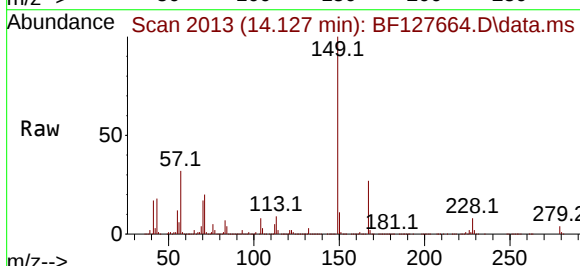
Tgt Ion:149 Resp: 654631

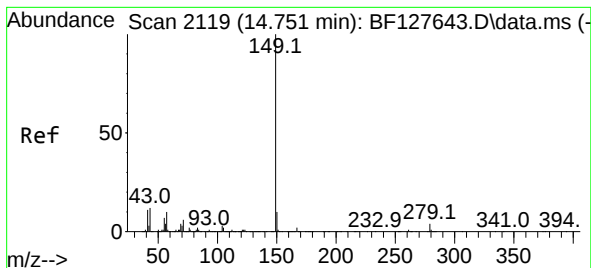
Ion Ratio Lower Upper

149 100

167 26.9 22.9 34.3

279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 49.345 ng

RT: 14.751 min Scan# 2119

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

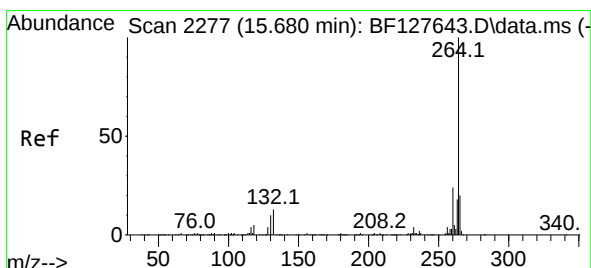
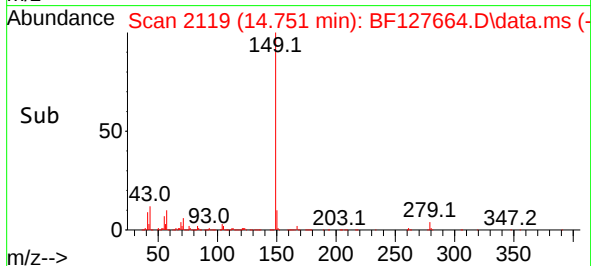
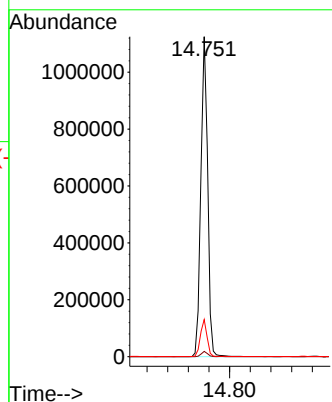
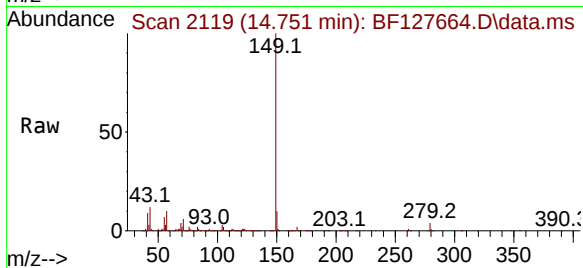
Tgt Ion:149 Resp: 1028050

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.3 11.0 16.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.680 min Scan# 2277

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

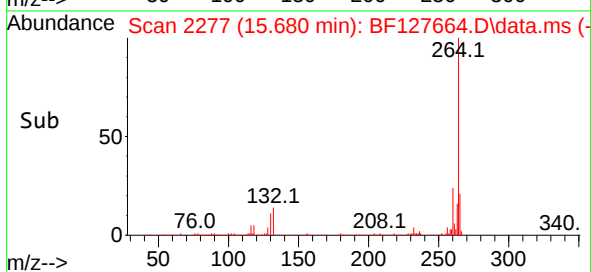
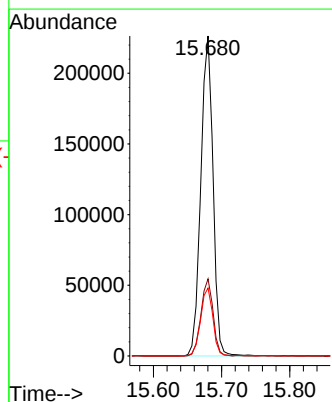
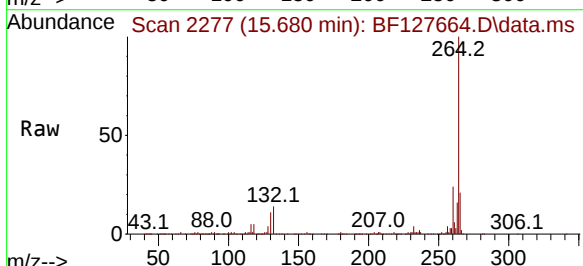
Tgt Ion:264 Resp: 282476

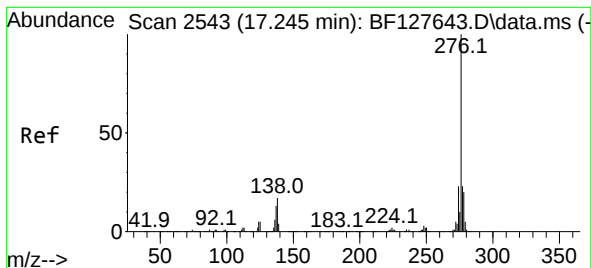
Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 21.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.827 ng

RT: 17.251 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA\_F

ClientSampleId :

SOIL-DRUMMSD

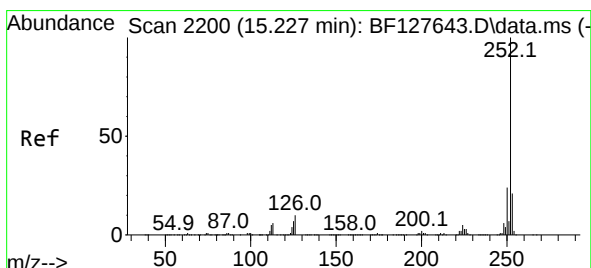
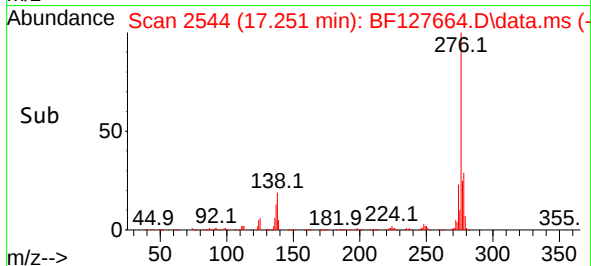
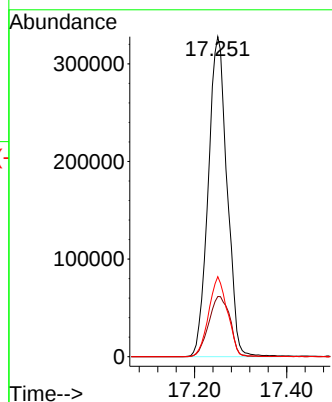
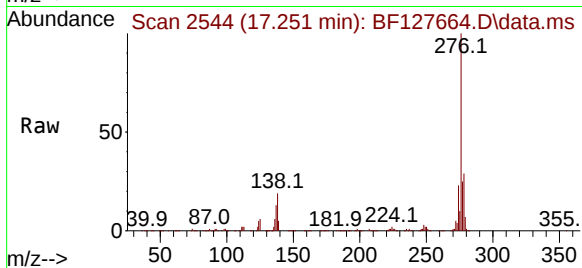
Tgt Ion:276 Resp: 932344

Ion Ratio Lower Upper

276 100

138 21.3 17.1 25.7

277 24.9 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 52.788 ng

RT: 15.227 min Scan# 2200

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

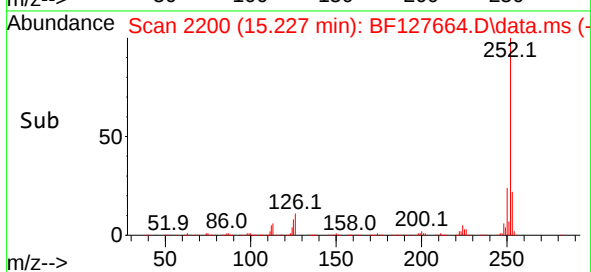
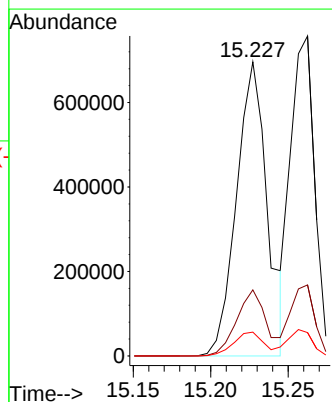
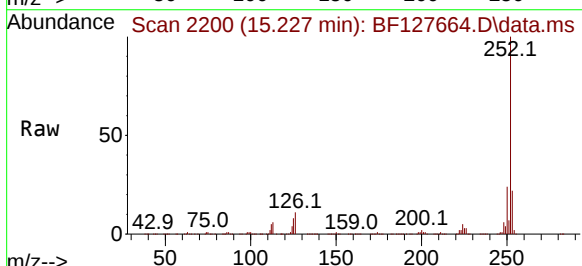
Tgt Ion:252 Resp: 959247

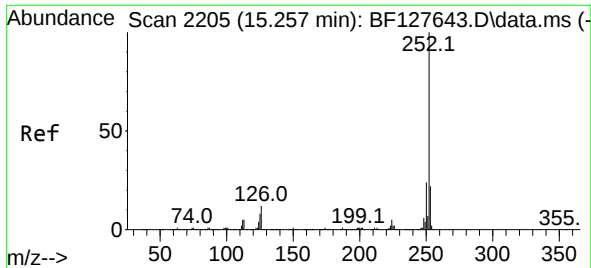
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 8.1 7.0 10.4

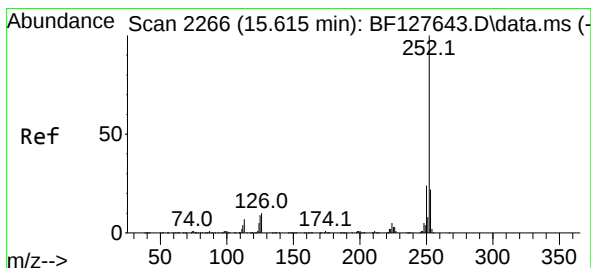
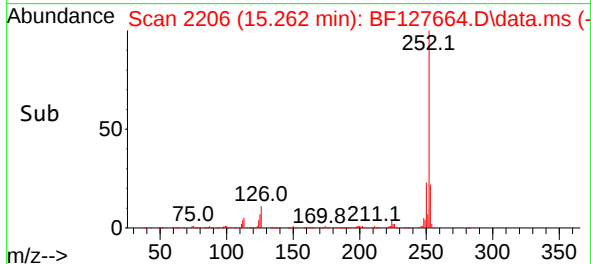
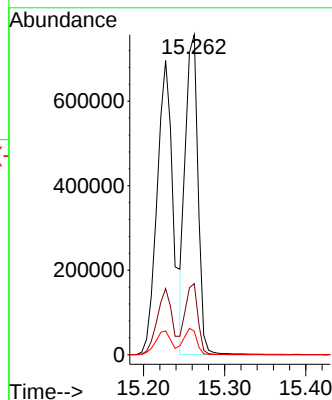
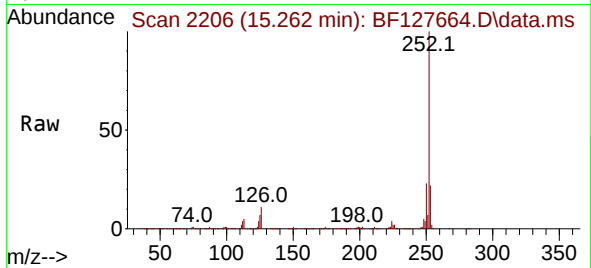




#89  
Benzo(k)fluoranthene  
Concen: 45.484 ng  
RT: 15.262 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

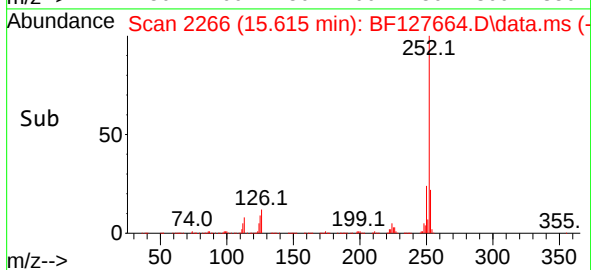
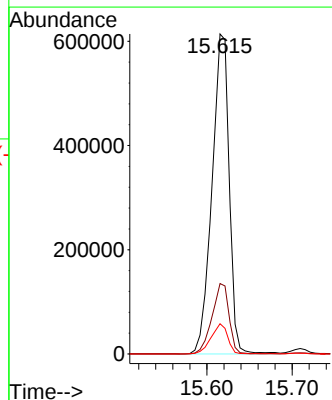
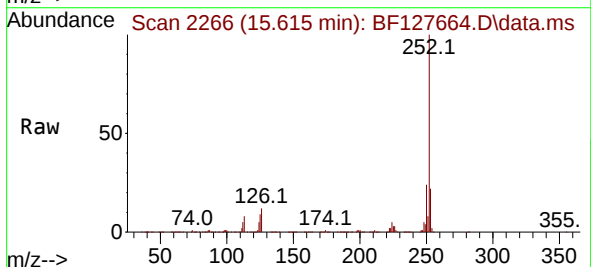
Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

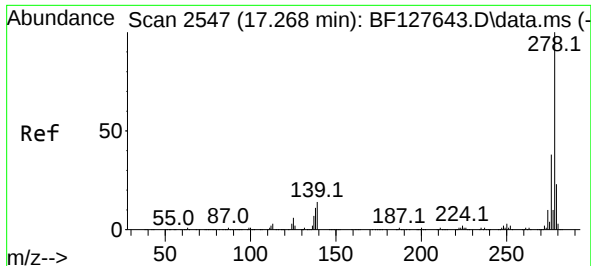
Tgt Ion:252 Resp: 819751  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.3 25.9  
125 7.3 6.9 10.3



#90  
Benzo(a)pyrene  
Concen: 58.297 ng  
RT: 15.615 min Scan# 2266  
Delta R.T. -0.000 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:252 Resp: 861036  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.0 25.6  
125 9.4 6.7 10.1

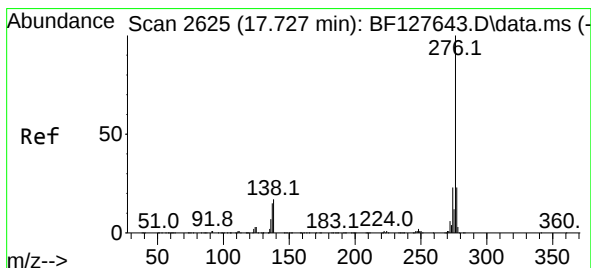
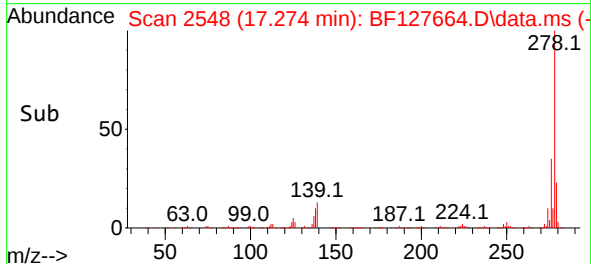
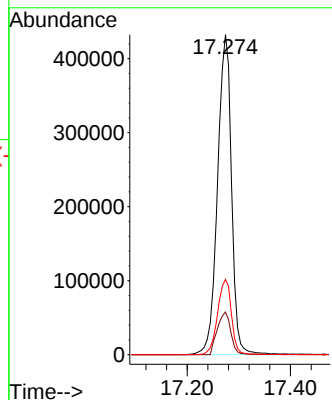
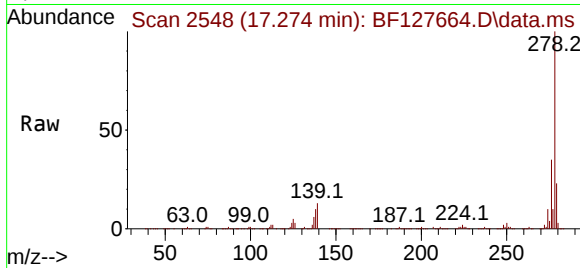




#91  
Dibenzo(a,h)anthracene  
Concen: 56.754 ng  
RT: 17.274 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Instrument :  
BNA\_F  
ClientSampleId :  
SOIL-DRUMMSD

Tgt Ion:278 Resp: 811559  
Ion Ratio Lower Upper  
278 100  
139 13.4 10.8 16.2  
279 23.5 17.7 26.5



#92  
Benzo(g,h,i)perylene  
Concen: 55.579 ng  
RT: 17.733 min Scan# 2626  
Delta R.T. 0.006 min  
Lab File: BF127664.D  
Acq: 06 Apr 2022 23:02

Tgt Ion:276 Resp: 814788  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.0 28.4  
138 17.2 14.6 22.0

