

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091025\  
 Data File : BF143688.D  
 Acq On : 09 Sep 2025 16:59  
 Operator : RC/JU  
 Sample : Q2893-01  
 Misc : LOD-MDL-SOIL 8 PPM  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 09 17:50:04 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 09 15:20:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 45543    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 173489   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 102171   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 173016   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 103451   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.516 | 264  | 105156   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 353441   | 132.407 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 442433   | 136.124 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 277825   | 99.608  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 143175   | 139.052 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 623246   | 92.148  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 657958   | 103.067 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 9964     | 8.368   | ng    | 96       |
| 3) Pyridine                   | 3.475  | 79   | 24022    | 7.810   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 9241     | 7.909   | ng    | 96       |
| 6) Aniline                    | 6.551  | 93   | 36335    | 8.441   | ng    | 97       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 24031    | 8.335   | ng    | 97       |
| 9) Benzaldehyde               | 6.440  | 77   | 18761    | 7.154   | ng    | 96       |
| 10) Phenol                    | 6.522  | 94   | 28840    | 8.027   | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 22096    | 8.235   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 28965    | 8.785   | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 28648    | 8.608   | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 26496    | 8.431   | ng    | 97       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 19612    | 8.295   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 28383    | 8.085   | ng    | 97       |
| 17) 2-Methylphenol            | 7.122  | 107  | 19146    | 8.256   | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 9066     | 8.433   | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 16995    | 8.514   | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 24939    | 8.166   | ng    | # 87     |
| 22) Acetophenone              | 7.293  | 105  | 34917    | 8.911   | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 25091    | 8.676   | ng    | 97       |
| 25) Isophorone                | 7.698  | 82   | 45488    | 8.505   | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 11325    | 7.964   | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 23307    | 9.130   | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 28316    | 8.615   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 21194    | 8.254   | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 23225    | 8.730   | ng    | 99       |
| 31) Naphthalene               | 8.193  | 128  | 72225    | 8.410   | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 8694     | 5.582   | ng    | 97       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 28482    | 9.526   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 14438    | 8.321   | ng    | 97       |
| 35) Caprolactam               | 8.563  | 113  | 5535     | 8.099   | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 21154    | 8.355   | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 45032    | 7.660   | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 46613    | 8.262   | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 24539    | 8.389   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 14591    | 9.716   | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 15537    | 7.955   | ng    | 96       |

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 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

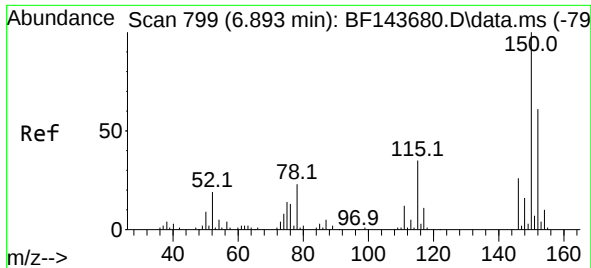
Quant Time: Sep 09 17:50:04 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 09 15:20:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 16443    | 8.281  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 64249    | 8.735  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 47633    | 8.260  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 12281    | 8.048  | ng    | 96       |
| 49) Acenaphthylene            | 9.781  | 152  | 76954    | 9.316  | ng    | 100      |
| 50) Dimethylphthalate         | 9.640  | 163  | 56349    | 8.477  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 10999    | 8.654  | ng    | 97       |
| 52) Acenaphthene              | 9.957  | 154  | 46463    | 8.163  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.863  | 138  | 11371    | 8.313  | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 3429     | 10.259 | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 69751    | 8.522  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 8286     | 7.615  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 14024    | 8.107  | ng    | # 98     |
| 58) Fluorene                  | 10.469 | 166  | 55329    | 8.636  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 14186    | 8.811  | ng    | # 97     |
| 60) Diethylphthalate          | 10.339 | 149  | 52683    | 8.442  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 27490    | 8.460  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.469 | 138  | 10817    | 8.350  | ng    | 97       |
| 63) Azobenzene                | 10.622 | 77   | 47209    | 8.556  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 5511     | 6.256  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 47610    | 8.400  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 17298    | 8.291  | ng    | 95       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 17593    | 7.986  | ng    | 96       |
| 69) Atrazine                  | 11.098 | 200  | 14106    | 7.937  | ng    | 95       |
| 70) Pentachlorophenol         | 11.204 | 266  | 8766     | 6.582  | ng    | 98       |
| 71) Phenanthrene              | 11.434 | 178  | 80496    | 8.444  | ng    | 99       |
| 72) Anthracene                | 11.481 | 178  | 80940    | 8.444  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 66847    | 8.515  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 77926    | 8.245  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 73412    | 8.389  | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 27459    | 8.140  | ng    | # 96     |
| 78) Pyrene                    | 12.845 | 202  | 73617    | 8.900  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 20832    | 8.038  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 56450    | 8.482  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 17266    | 8.433  | ng    | 99       |
| 83) Chrysene                  | 14.069 | 228  | 49588    | 8.135  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 29801    | 8.059  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 46100    | 6.957  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.992 | 276  | 50917    | 7.095  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 53022    | 8.470  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 43120    | 7.633  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 45182    | 8.216  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 42471    | 7.133  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 40168    | 7.212  | ng    | 97       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
LOD-MDL-SOIL-01-QT3-2025

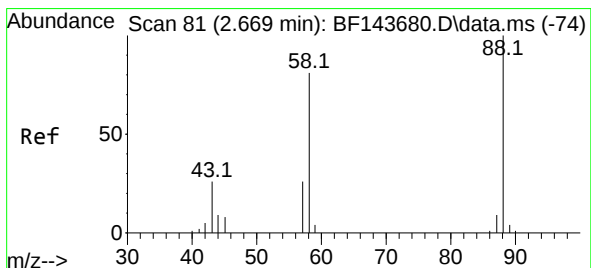
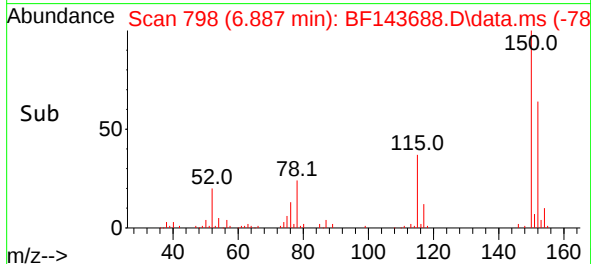
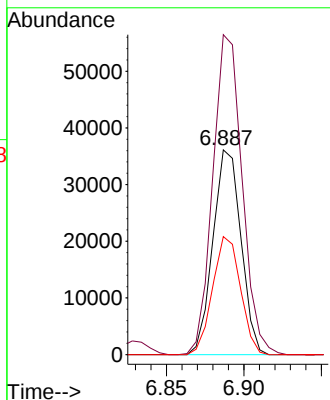
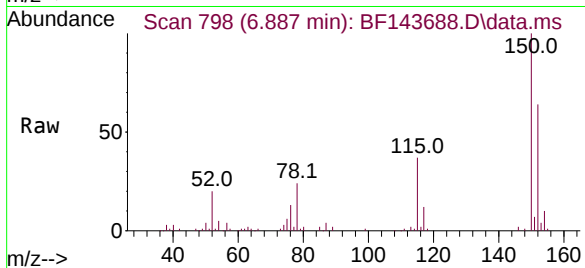
[illegible]



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

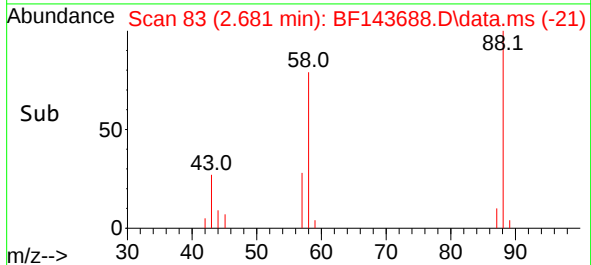
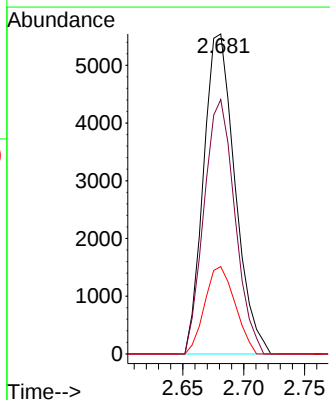
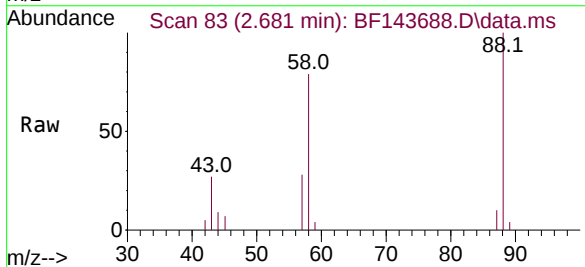
Instrument :  
 BNA\_F  
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 LOD-MDL-SOIL-01-QT3-2025

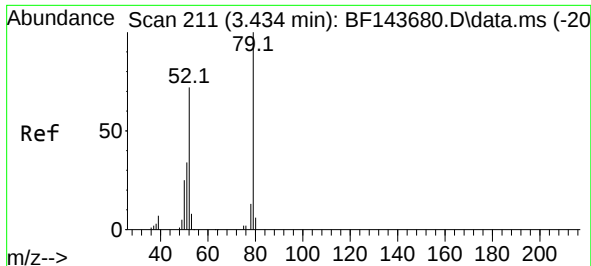
Tgt Ion:152 Resp: 45543  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 130.7 196.1  
 115 57.7 45.9 68.9



#2  
 1,4-Dioxane  
 Concen: 8.368 ng  
 RT: 2.681 min Scan# 83  
 Delta R.T. 0.012 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

Tgt Ion: 88 Resp: 9964  
 Ion Ratio Lower Upper  
 88 100  
 58 78.0 65.8 98.6  
 43 26.2 20.6 31.0





#3

Pyridine

Concen: 7.810 ng

RT: 3.475 min Scan# 211

Delta R.T. 0.041 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

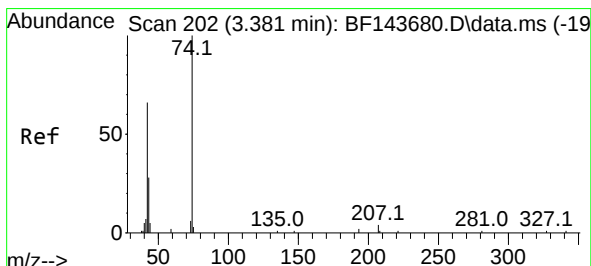
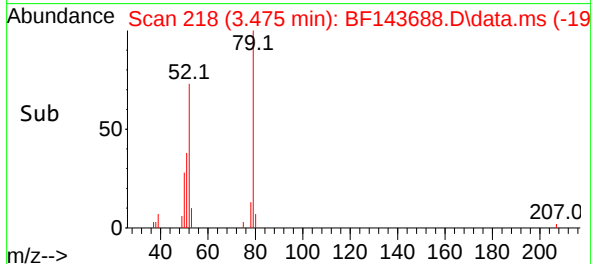
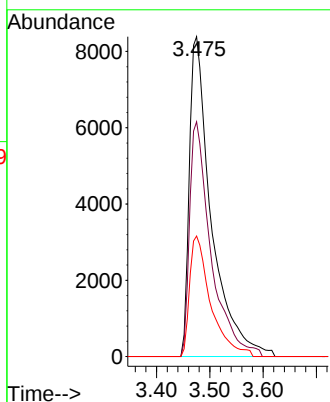
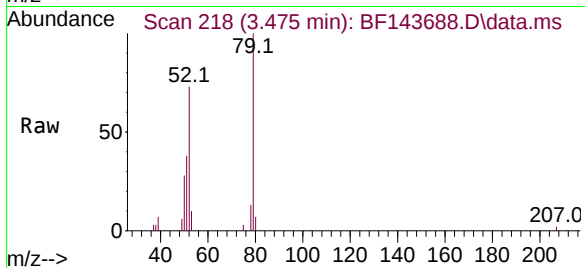
Tgt Ion: 79 Resp: 24022

Ion Ratio Lower Upper

79 100

52 73.4 57.2 85.8

51 37.7 27.0 40.6



#4

n-Nitrosodimethylamine

Concen: 7.909 ng

RT: 3.375 min Scan# 201

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

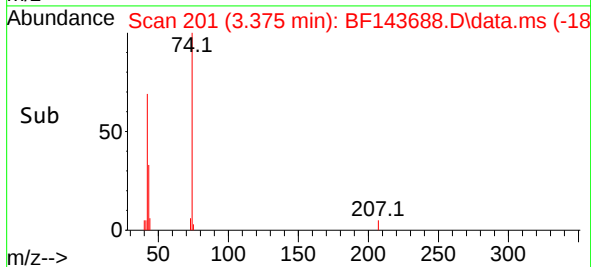
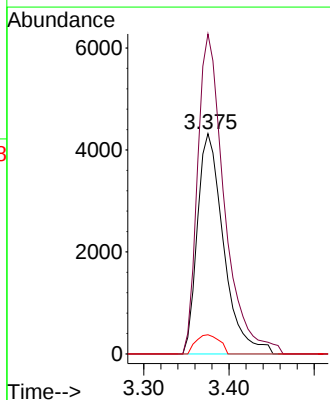
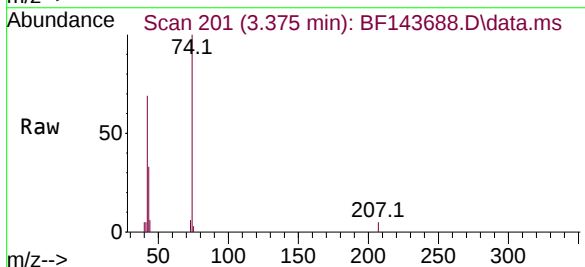
Tgt Ion: 42 Resp: 9241

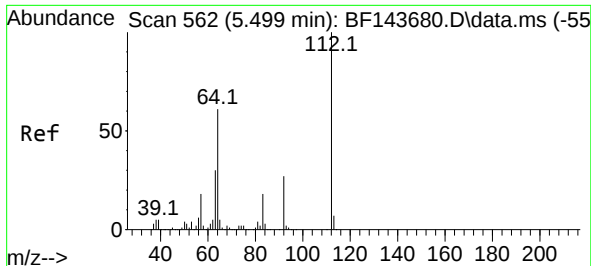
Ion Ratio Lower Upper

42 100

74 145.3 120.9 181.3

44 8.7 6.5 9.7

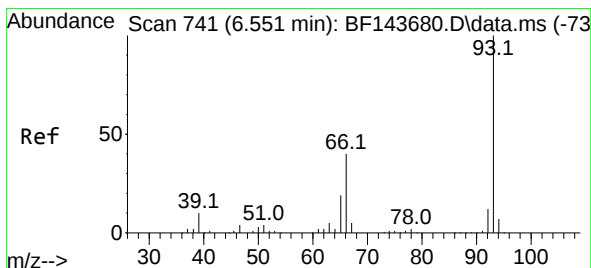
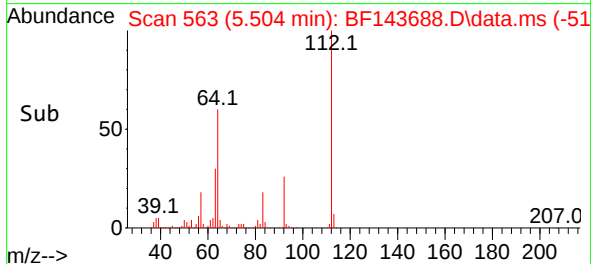
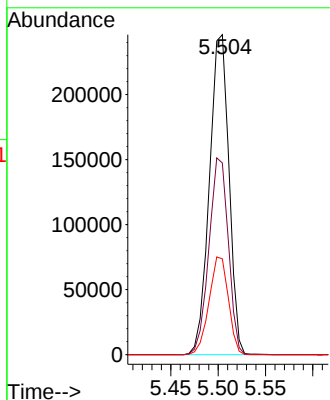
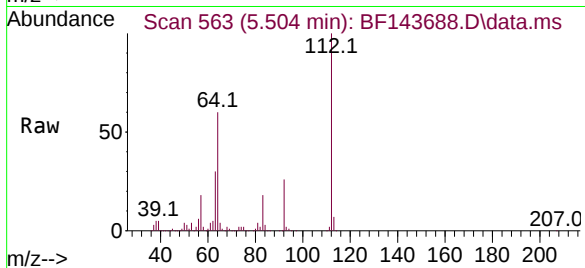




#5  
2-Fluorophenol  
Concen: 132.407 ng  
RT: 5.504 min Scan# 563  
Delta R.T. 0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

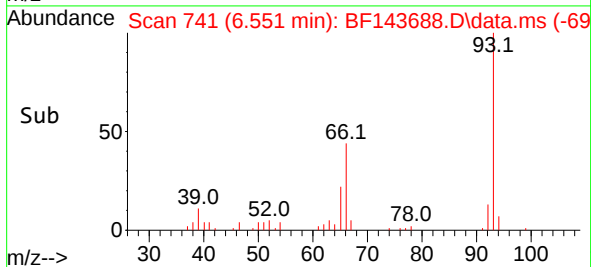
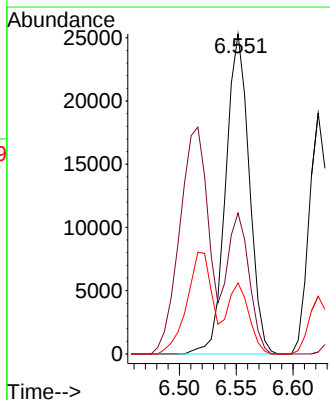
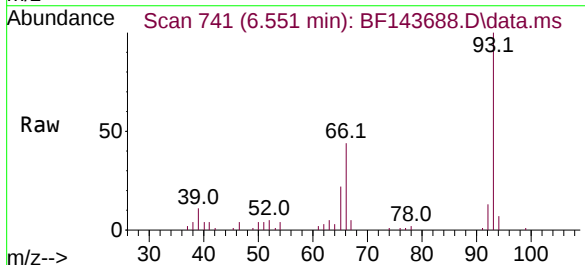
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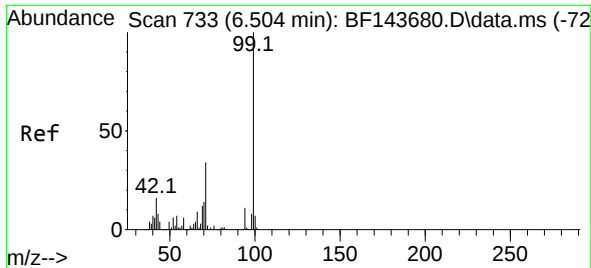
Tgt Ion:112 Resp: 353441  
Ion Ratio Lower Upper  
112 100  
64 59.9 49.0 73.4  
63 29.9 24.3 36.5



#6  
Aniline  
Concen: 8.441 ng  
RT: 6.551 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion: 93 Resp: 36335  
Ion Ratio Lower Upper  
93 100  
66 44.0 34.1 51.1  
65 22.1 16.1 24.1





#7

Phenol-d6

Concen: 136.124 ng

RT: 6.510 min Scan# 734

Delta R.T. 0.006 min

Lab File: BF143688.D

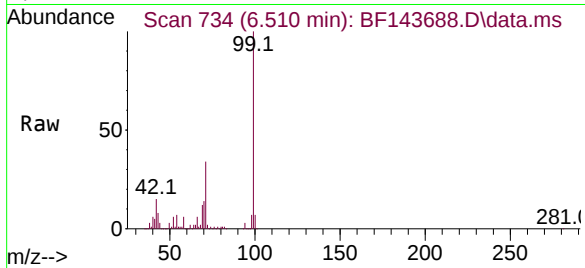
Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



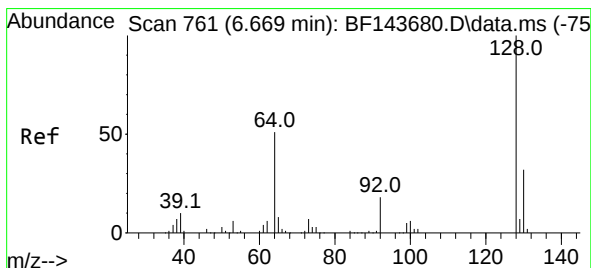
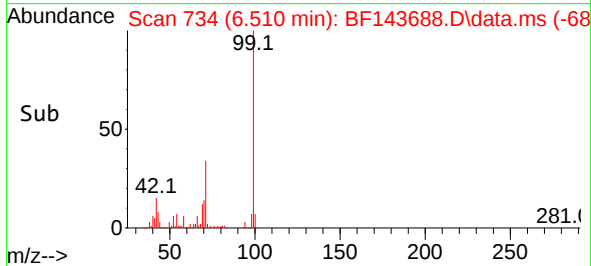
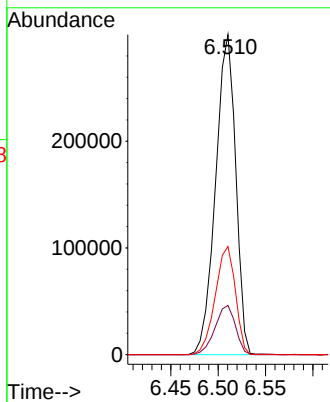
Tgt Ion: 99 Resp: 442433

Ion Ratio Lower Upper

99 100

42 15.4 13.0 19.4

71 33.8 27.4 41.2



#8

2-Chlorophenol

Concen: 8.335 ng

RT: 6.675 min Scan# 762

Delta R.T. 0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

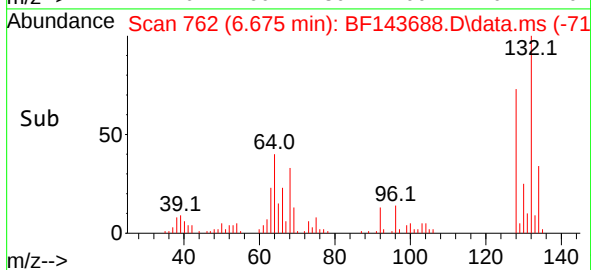
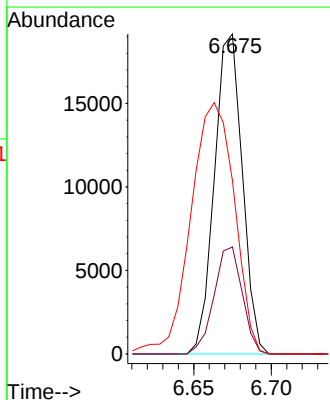
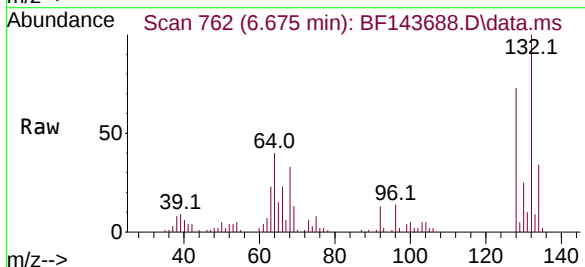
Tgt Ion: 128 Resp: 24031

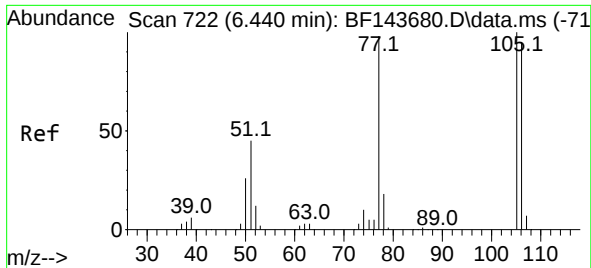
Ion Ratio Lower Upper

128 100

130 33.4 12.0 52.0

64 54.2 31.9 71.9





#9

Benzaldehyde

Concen: 7.154 ng

RT: 6.440 min Scan# 722

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

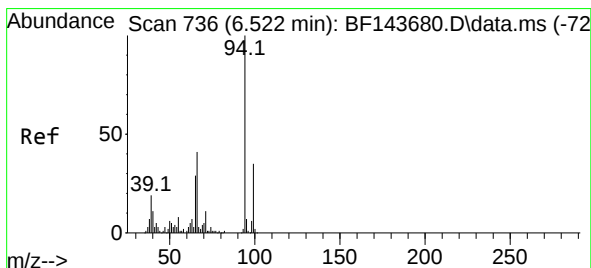
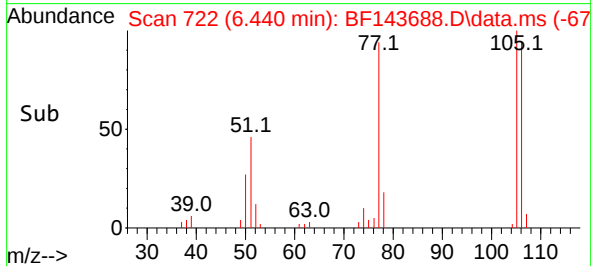
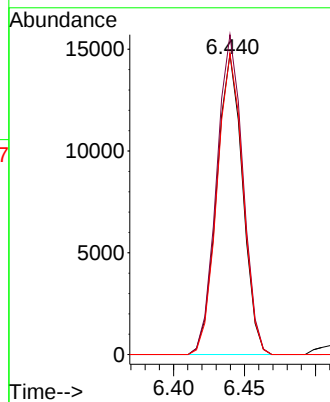
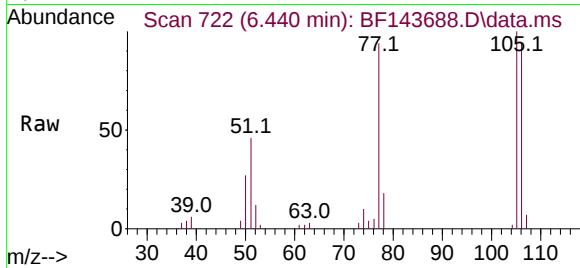
Tgt Ion: 77 Resp: 18761

Ion Ratio Lower Upper

77 100

105 106.6 81.7 121.7

106 100.4 76.9 116.9



#10

Phenol

Concen: 8.027 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

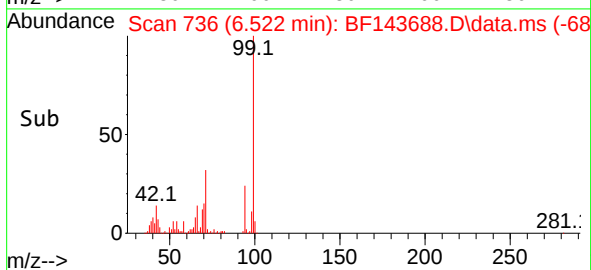
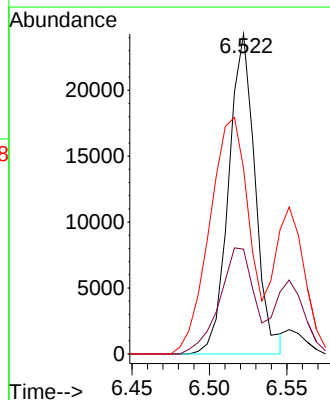
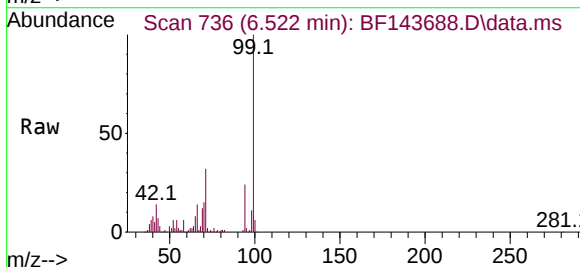
Tgt Ion: 94 Resp: 28840

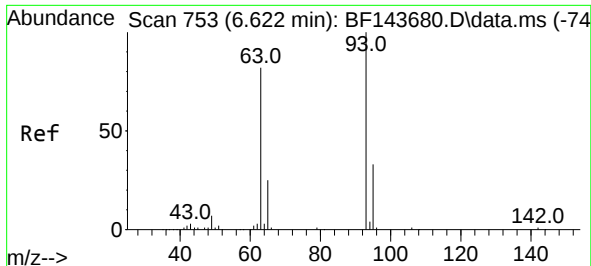
Ion Ratio Lower Upper

94 100

65 32.8 9.1 49.1

66 57.9 20.8 60.8

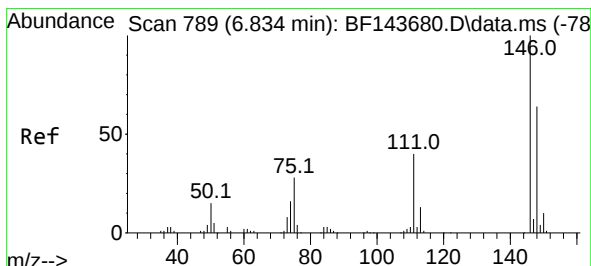
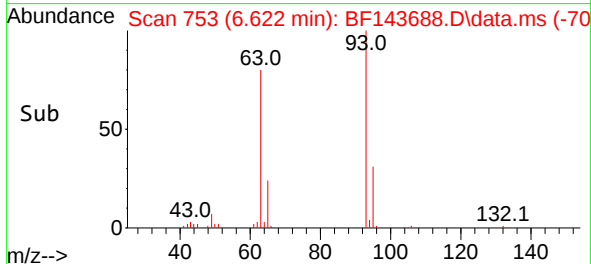
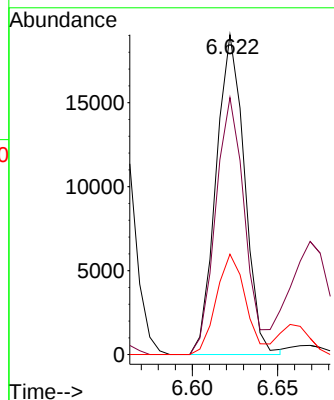
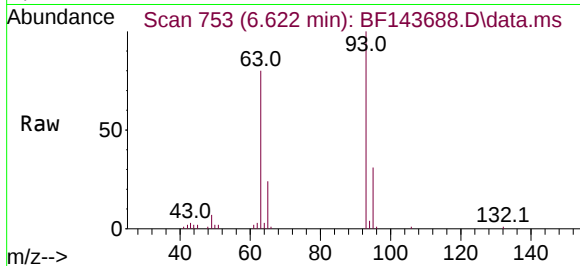




#11  
bis(2-Chloroethyl)ether  
Concen: 8.235 ng  
RT: 6.622 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

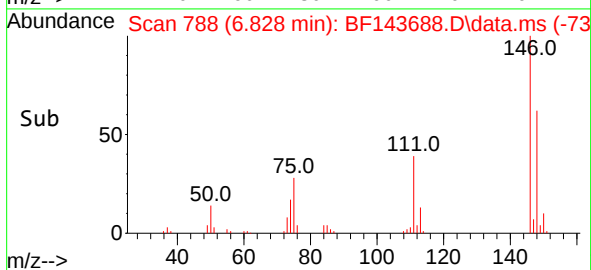
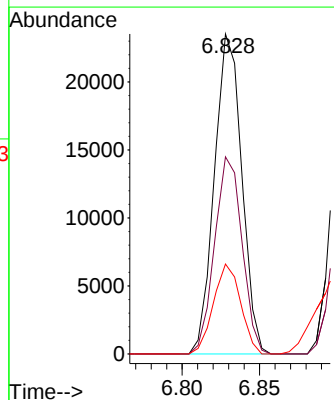
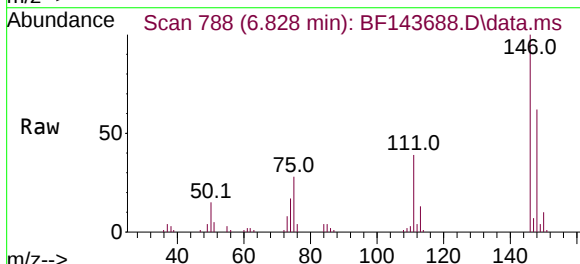
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

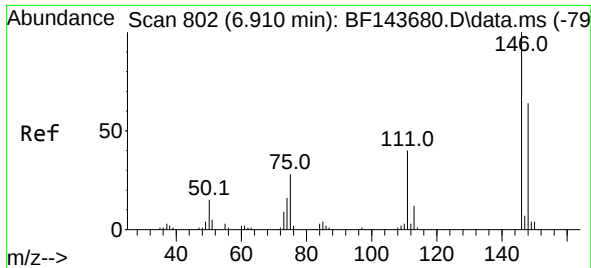
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 22096 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 80.3  | 61.8  | 101.8 |
| 95       | 31.4  | 12.6  | 52.6  |



#12  
1,3-Dichlorobenzene  
Concen: 8.785 ng  
RT: 6.828 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 28965 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 148      | 61.6  | 51.0  | 76.4  |
| 75       | 28.1  | 22.0  | 33.0  |

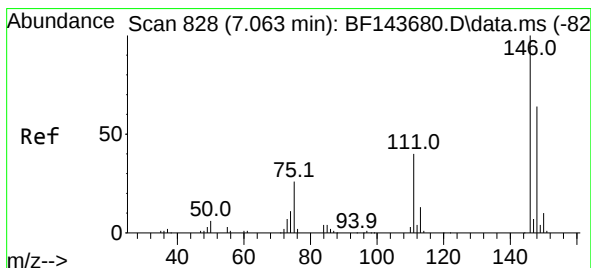
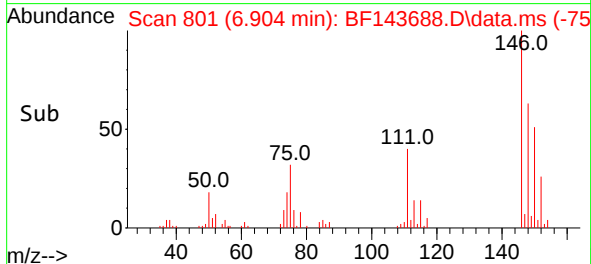
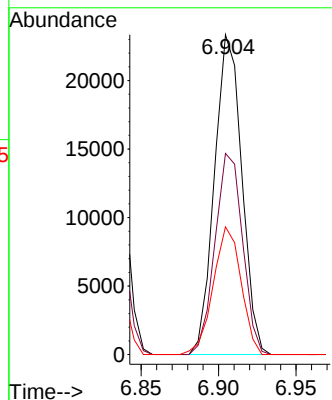
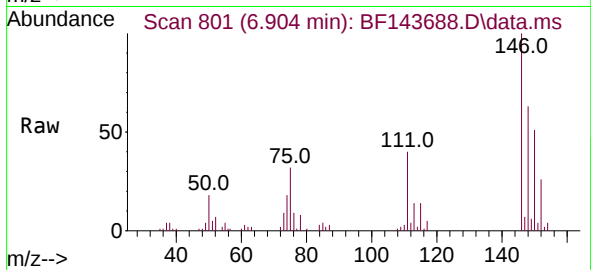




#13  
1,4-Dichlorobenzene  
Concen: 8.608 ng  
RT: 6.904 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

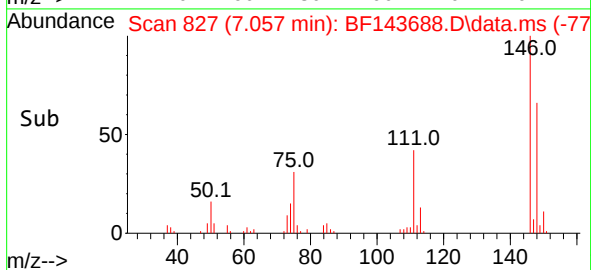
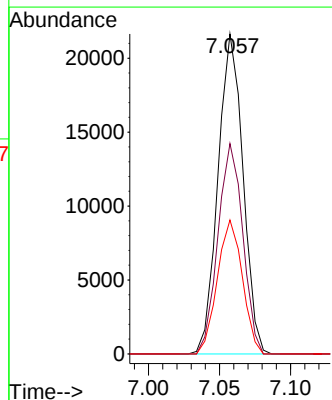
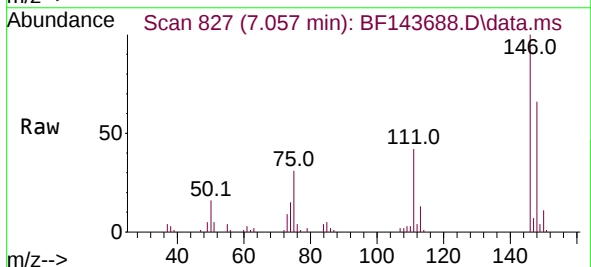
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

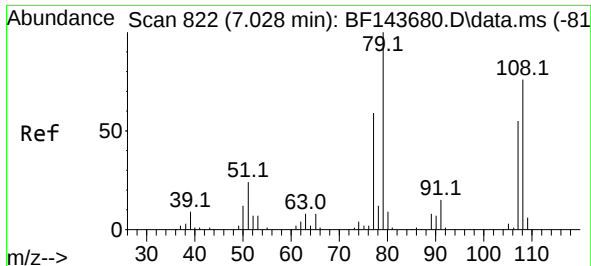
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 28648     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 62.9  | 51.2 76.8 |
| 111         | 39.9  | 31.8 47.8 |



#14  
1,2-Dichlorobenzene  
Concen: 8.431 ng  
RT: 7.057 min Scan# 827  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 26496     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 148         | 65.7  | 51.0 76.4 |
| 111         | 41.8  | 32.3 48.5 |

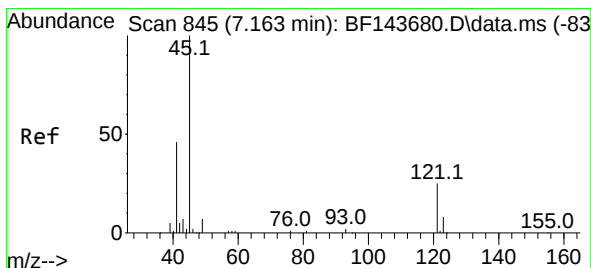
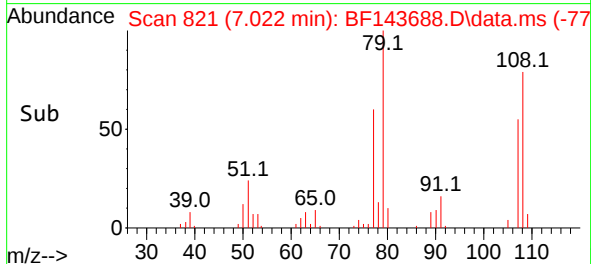
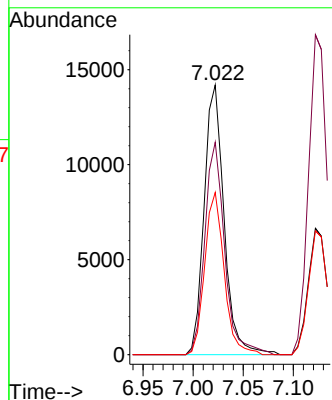
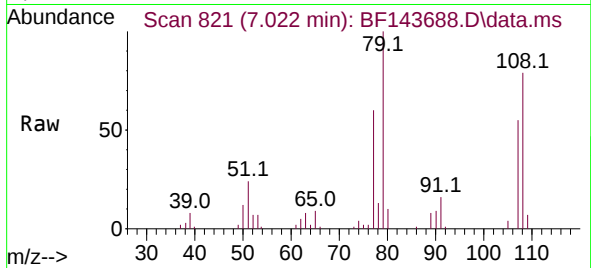




#15  
Benzyl Alcohol  
Concen: 8.295 ng  
RT: 7.022 min Scan# 821  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

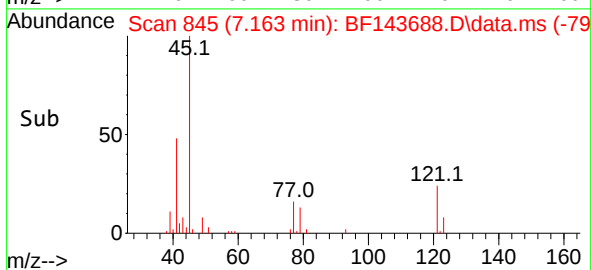
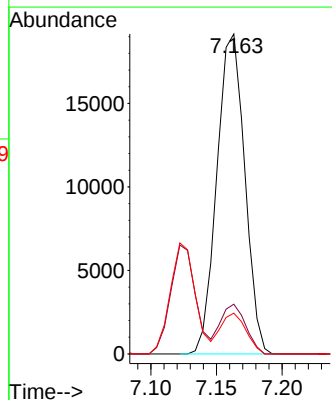
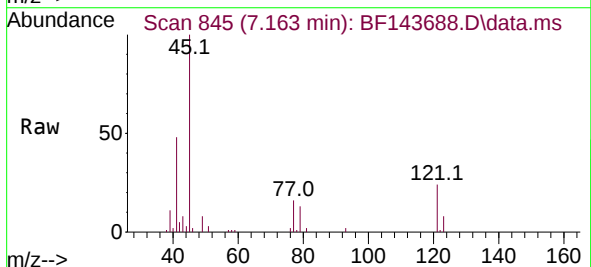
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

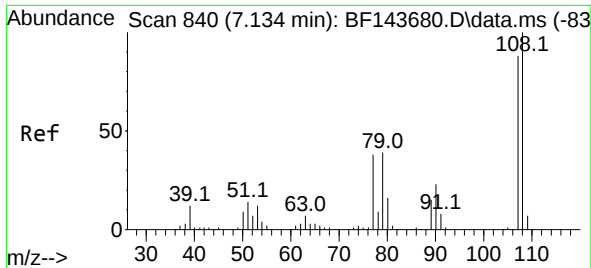
Tgt Ion: 79 Resp: 19612  
Ion Ratio Lower Upper  
79 100  
108 78.8 60.9 91.3  
77 60.1 47.4 71.2



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 8.085 ng  
RT: 7.163 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion: 45 Resp: 28383  
Ion Ratio Lower Upper  
45 100  
77 15.5 0.0 34.6  
79 12.7 0.0 31.3

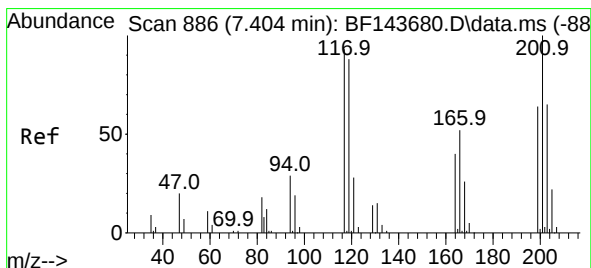
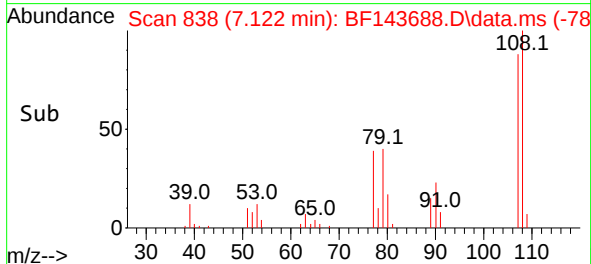
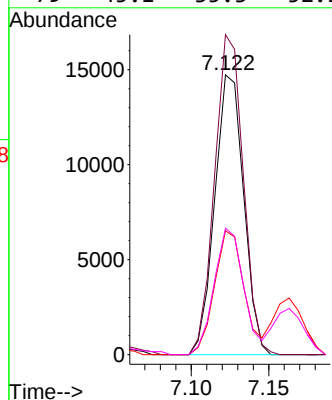
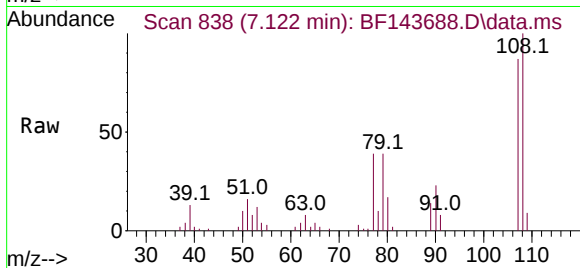




#17  
2-Methylphenol  
Concen: 8.256 ng  
RT: 7.122 min Scan# 840  
Delta R.T. -0.012 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

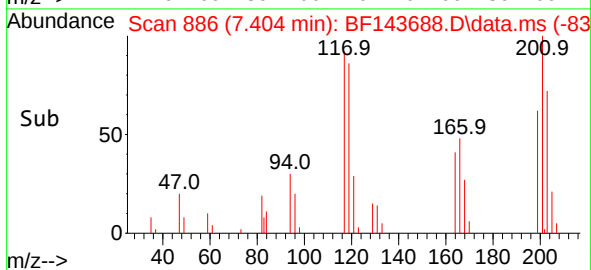
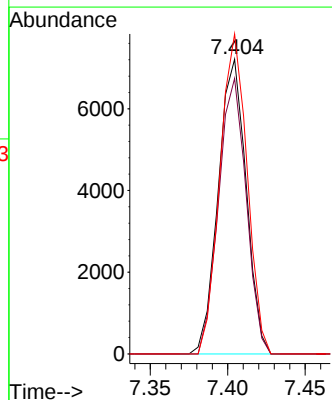
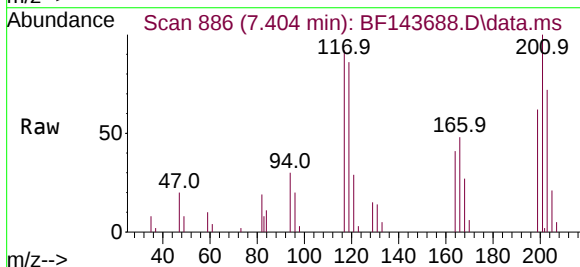
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

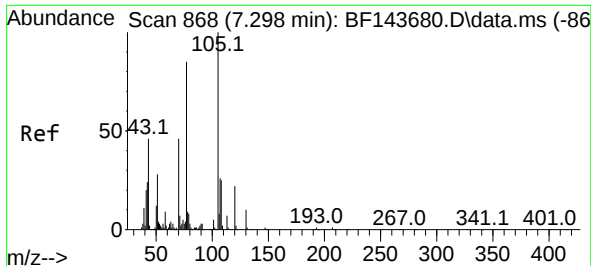
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 19146 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 114.4 | 90.9  | 136.3 |
| 77       | 44.3  | 34.4  | 51.6  |
| 79       | 45.1  | 35.3  | 52.9  |



#18  
Hexachloroethane  
Concen: 8.433 ng  
RT: 7.404 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 9066  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.5  | 76.2  | 114.2 |
| 201      | 108.6 | 86.4  | 129.6 |

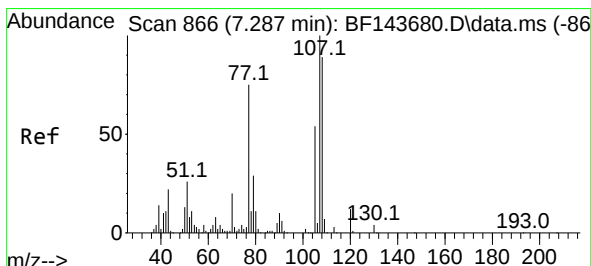
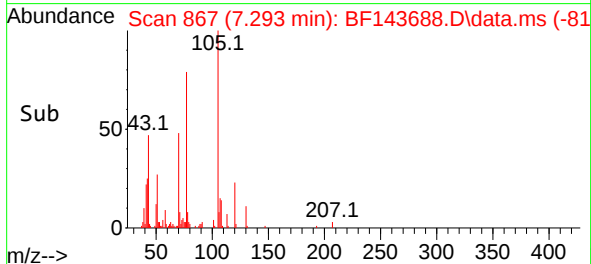
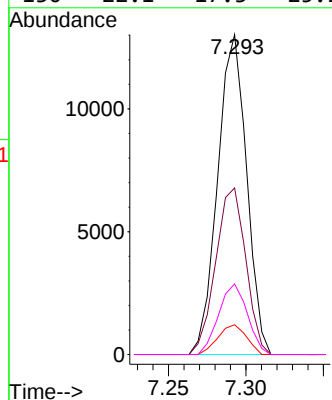
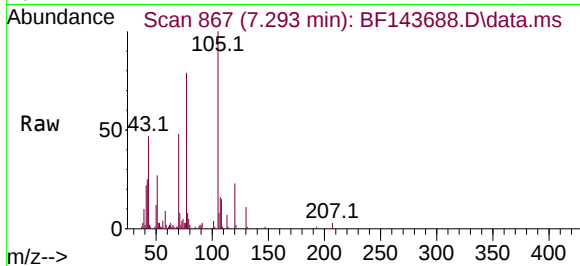




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.514 ng  
RT: 7.293 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

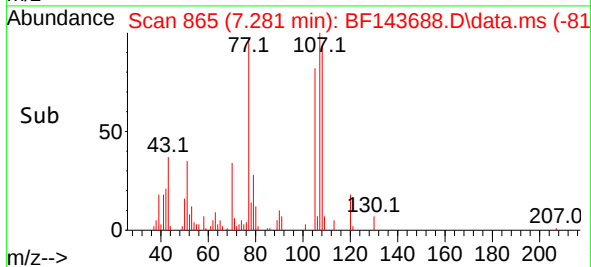
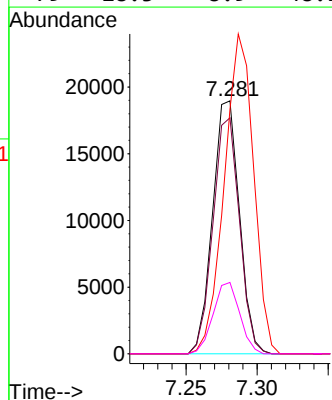
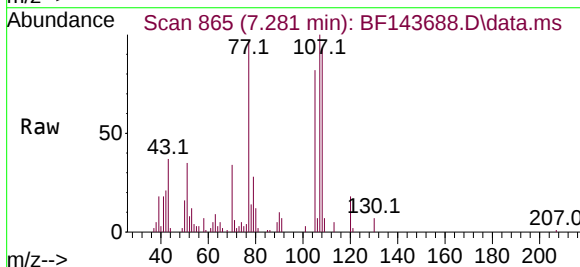
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ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

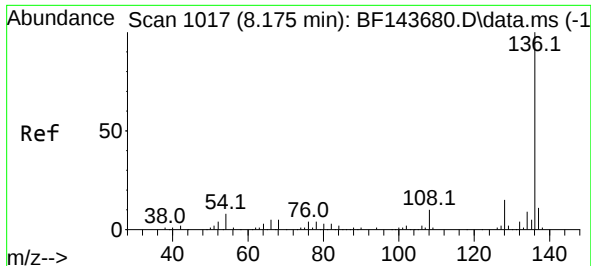
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 16995 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 52.1  | 41.4  | 62.2  |
| 101      | 9.3   | 8.1   | 12.1  |
| 130      | 22.1  | 17.3  | 25.9  |



#20  
3+4-Methylphenols  
Concen: 8.166 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

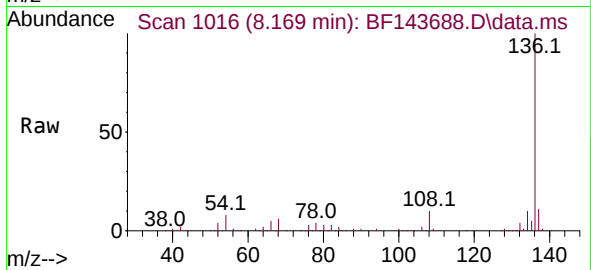
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 24939 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 93.3  | 68.6  | 108.6 |
| 77       | 96.7  | 54.6  | 94.6# |
| 79       | 28.3  | 8.9   | 48.9  |



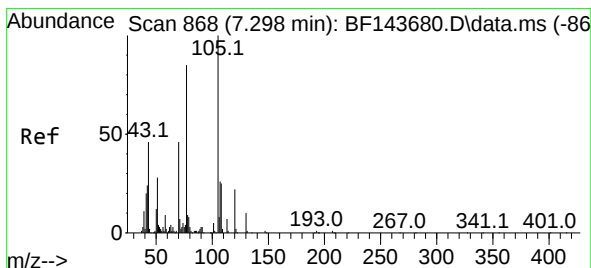
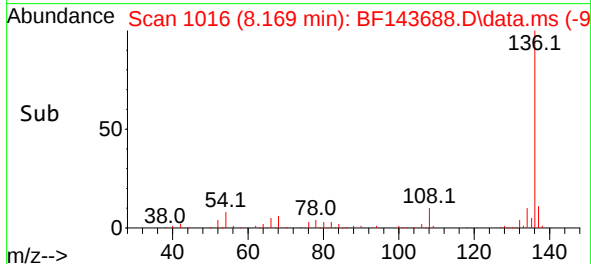
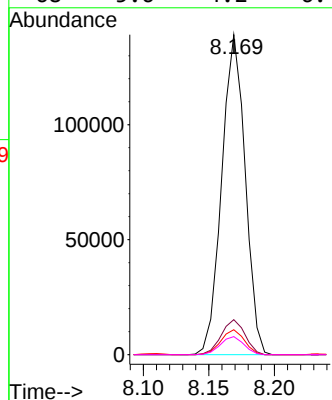


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

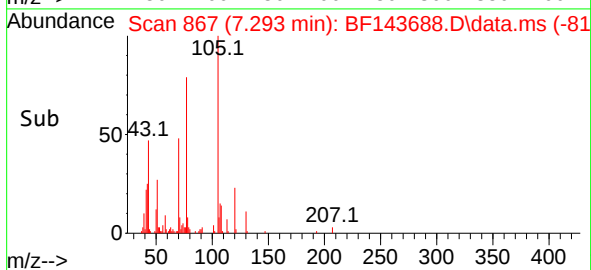
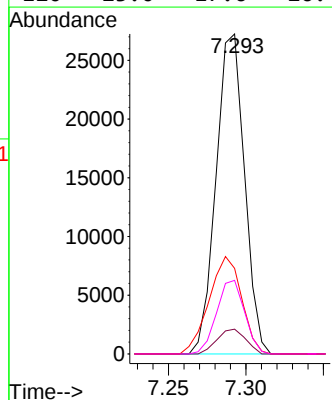
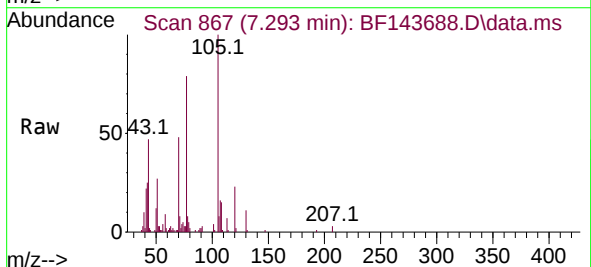


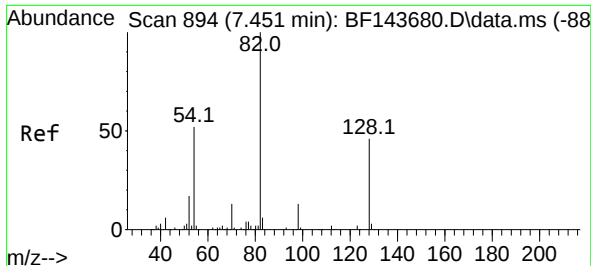
Tgt Ion:136 Resp: 173489  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.7 13.1  
54 7.8 6.2 9.2  
68 5.6 4.2 6.4



#22  
Acetophenone  
Concen: 8.911 ng  
RT: 7.293 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:105 Resp: 34917  
Ion Ratio Lower Upper  
105 100  
71 7.7 5.9 8.9  
51 26.7 22.4 33.6  
120 23.0 17.6 26.4





#23

Nitrobenzene-d5

Concen: 99.608 ng

RT: 7.451 min Scan# 894

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

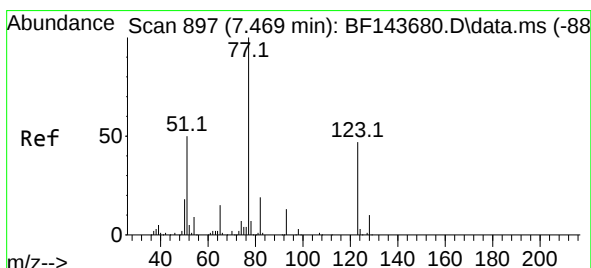
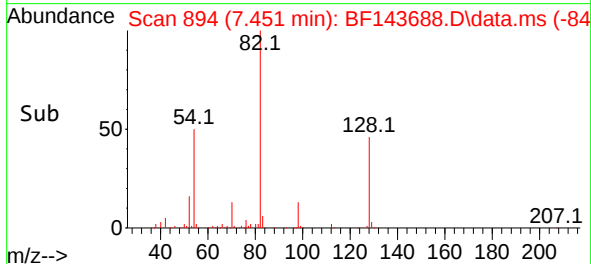
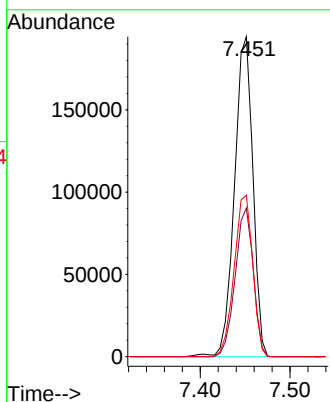
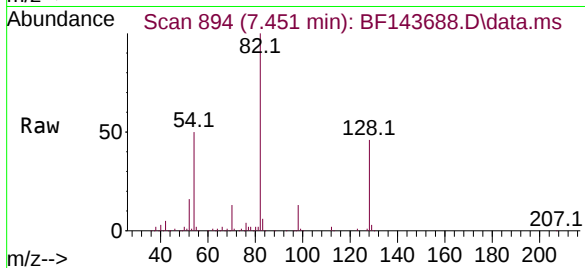
Tgt Ion: 82 Resp: 277825

Ion Ratio Lower Upper

82 100

128 46.4 37.0 55.4

54 50.4 41.8 62.8



#24

Nitrobenzene

Concen: 8.676 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

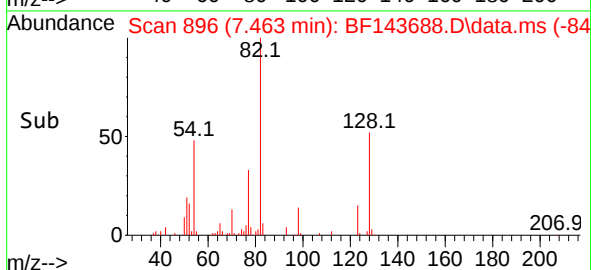
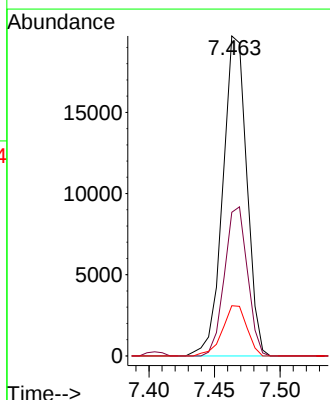
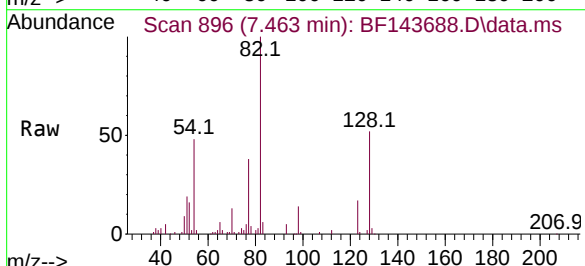
Tgt Ion: 77 Resp: 25091

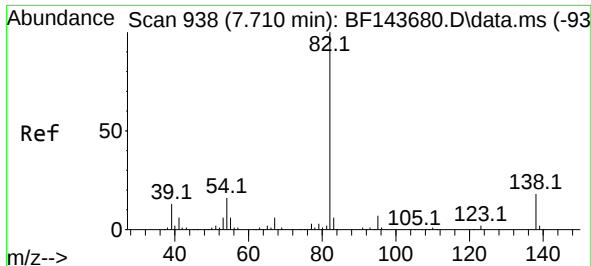
Ion Ratio Lower Upper

77 100

123 44.9 37.4 56.0

65 15.7 11.6 17.4

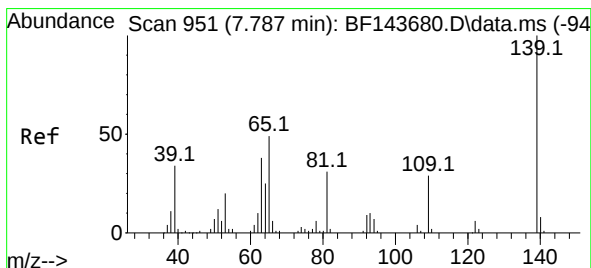
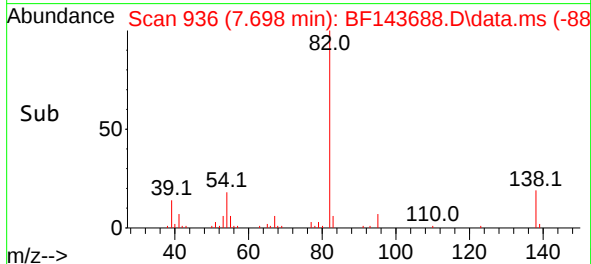
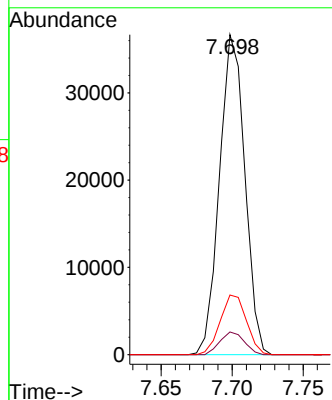
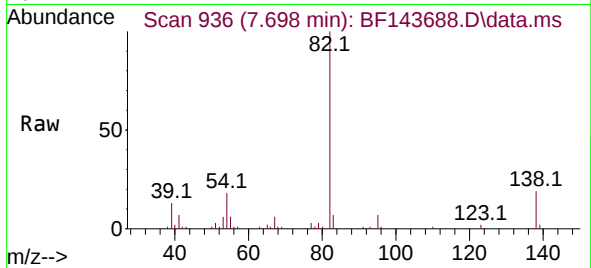




#25  
Isophorone  
Concen: 8.505 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

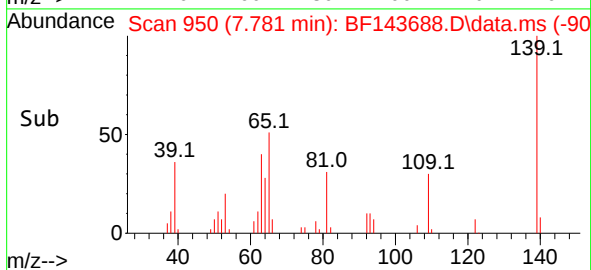
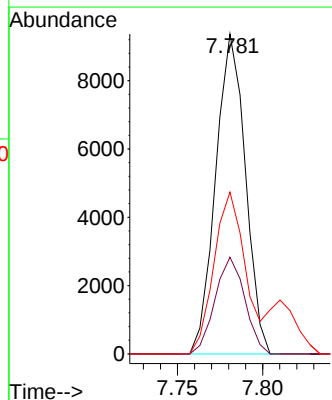
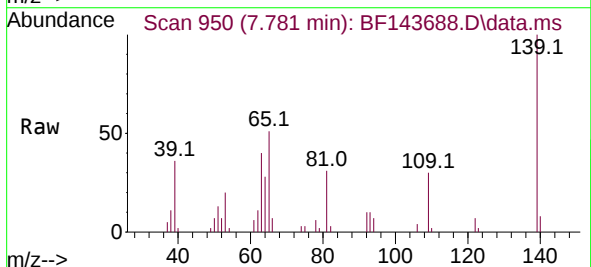
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

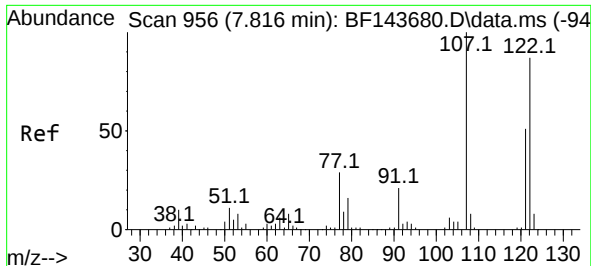
Tgt Ion: 82 Resp: 45488  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.7 8.5  
138 18.6 14.8 22.2



#26  
2-Nitrophenol  
Concen: 7.964 ng  
RT: 7.781 min Scan# 950  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion: 139 Resp: 11325  
Ion Ratio Lower Upper  
139 100  
109 30.2 22.8 34.2  
65 50.6 39.2 58.8





#27

2,4-Dimethylphenol

Concen: 9.130 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

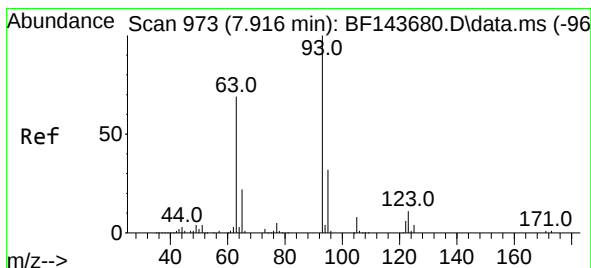
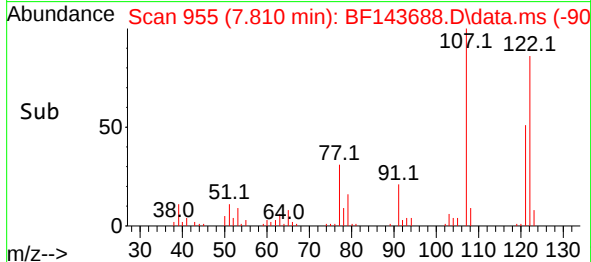
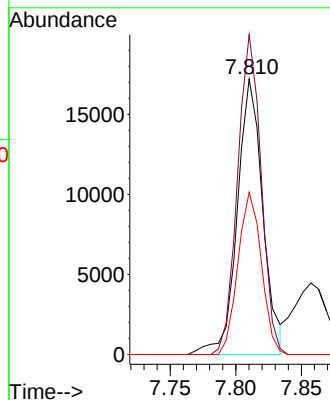
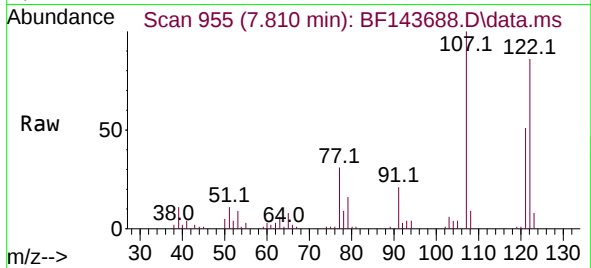
Tgt Ion:122 Resp: 23307

Ion Ratio Lower Upper

122 100

107 116.1 92.1 138.1

121 58.9 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 8.615 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

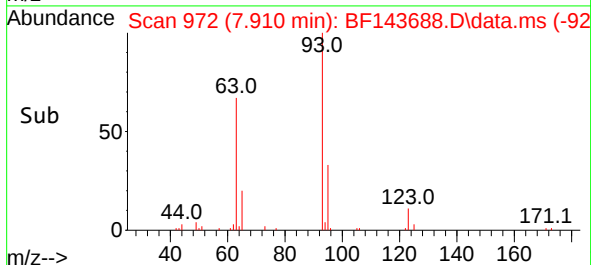
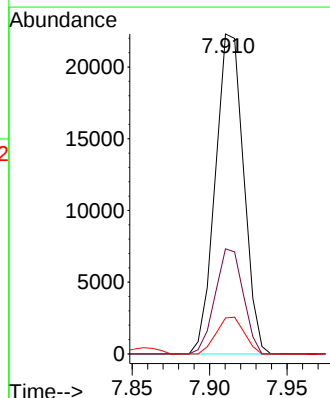
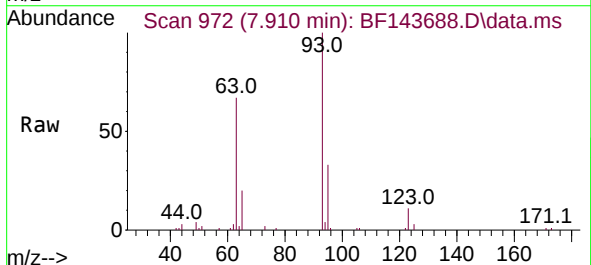
Tgt Ion: 93 Resp: 28316

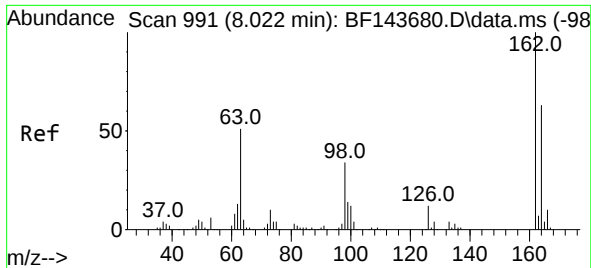
Ion Ratio Lower Upper

93 100

95 32.8 26.0 39.0

123 11.2 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 8.254 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

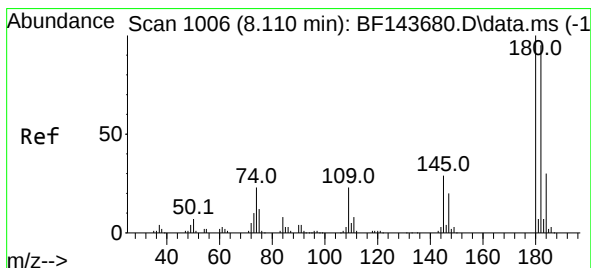
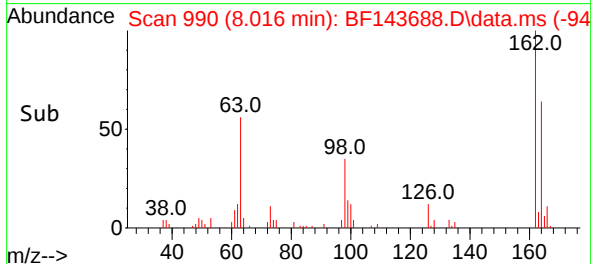
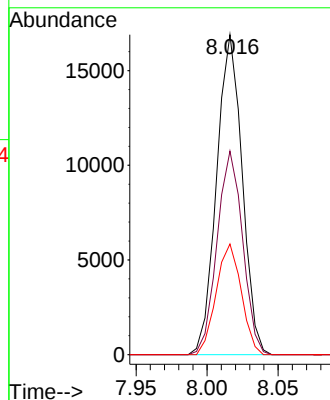
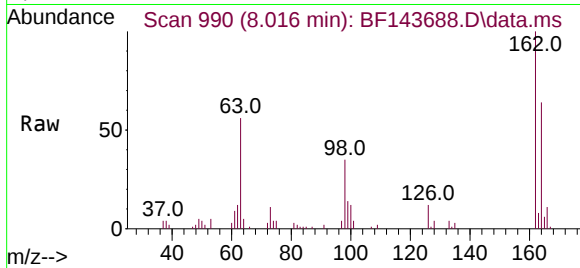
Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 21194     |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 164         | 63.6  | 43.0 83.0 |
| 98          | 34.6  | 13.8 53.8 |



#30

1,2,4-Trichlorobenzene

Concen: 8.730 ng

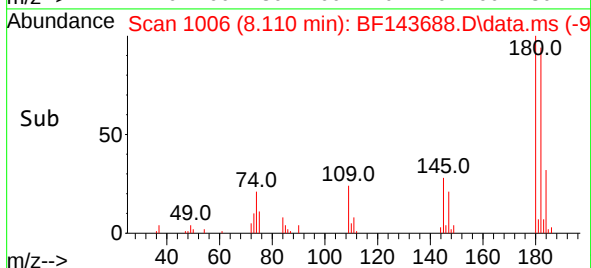
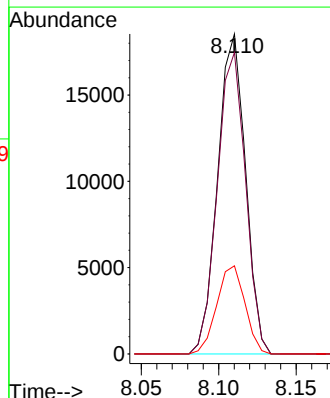
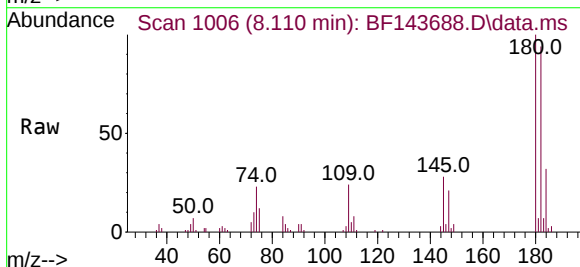
RT: 8.110 min Scan# 1006

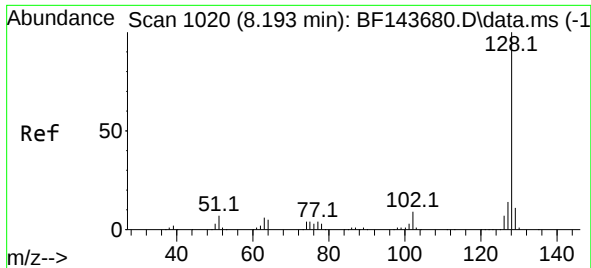
Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

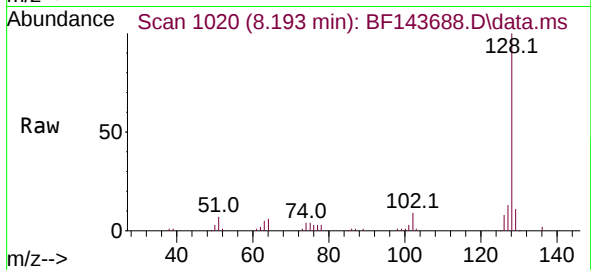
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 23225      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.2  | 76.2 114.4 |
| 145         | 27.5  | 23.2 34.8  |



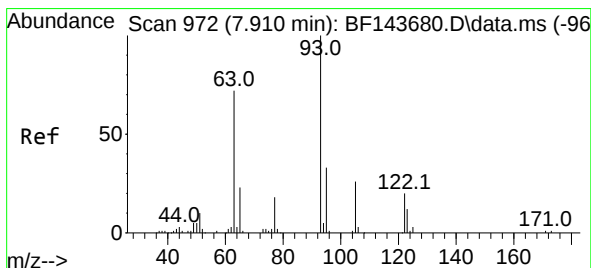
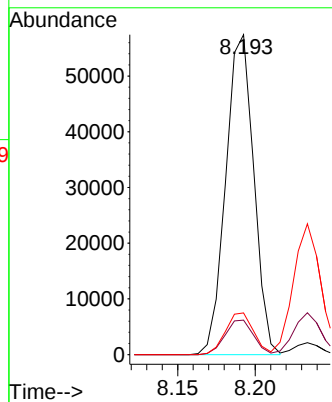
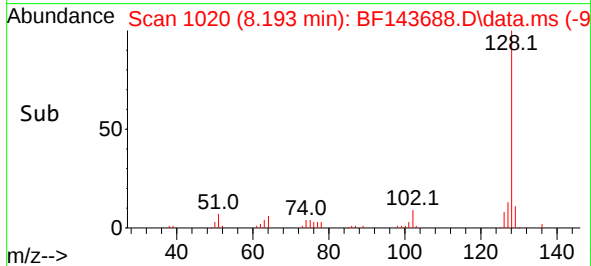


#31  
Naphthalene  
Concen: 8.410 ng  
RT: 8.193 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

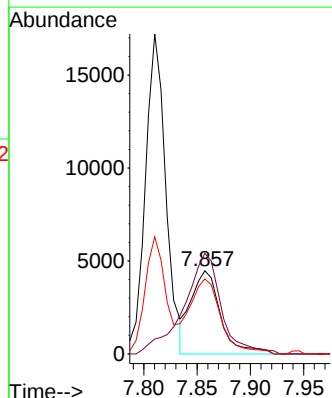
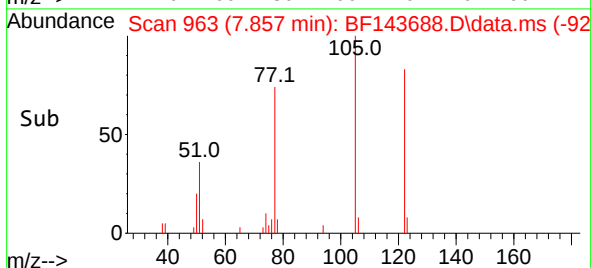
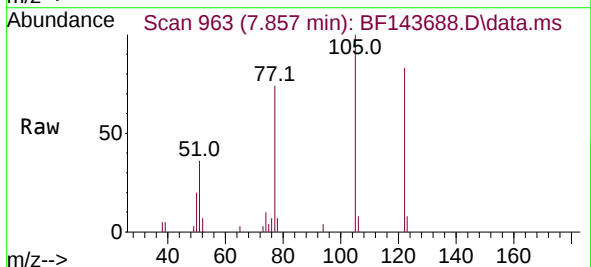


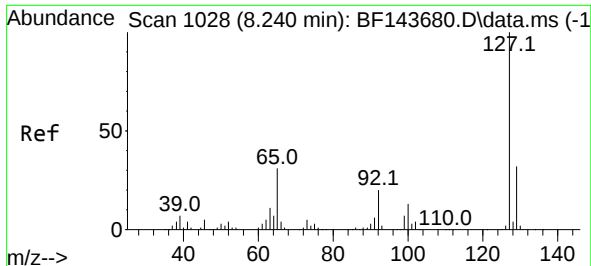
Tgt Ion:128 Resp: 72225  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.8 13.2  
127 13.0 10.9 16.3



#32  
Benzoic acid  
Concen: 5.582 ng  
RT: 7.857 min Scan# 963  
Delta R.T. -0.053 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:122 Resp: 8694  
Ion Ratio Lower Upper  
122 100  
105 121.0 105.2 145.2  
77 90.1 72.0 112.0

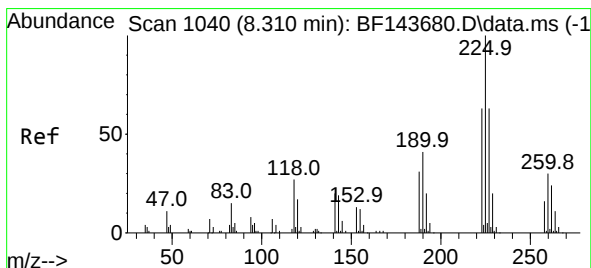
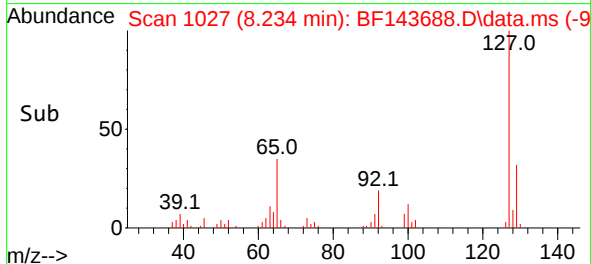
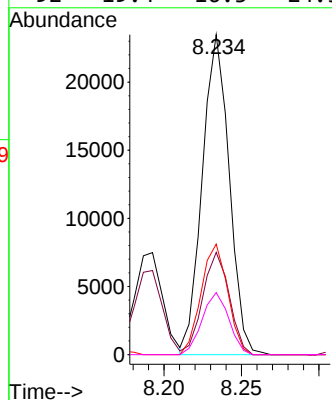
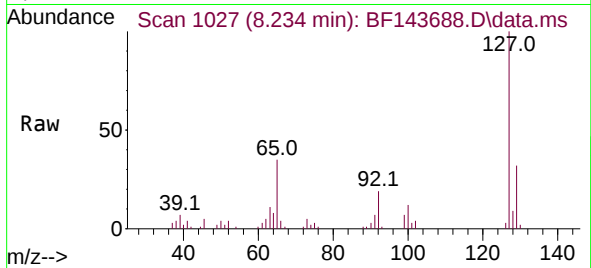




#33  
4-Chloroaniline  
Concen: 9.526 ng  
RT: 8.234 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

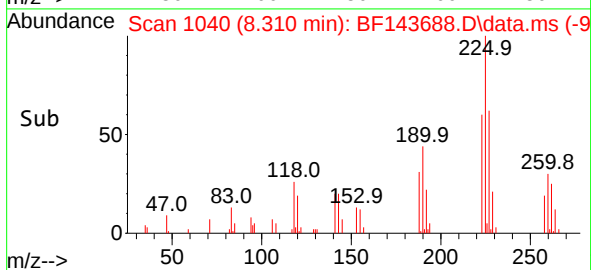
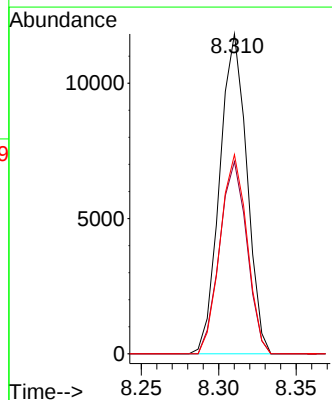
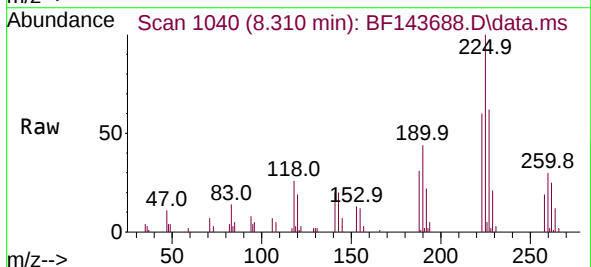
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

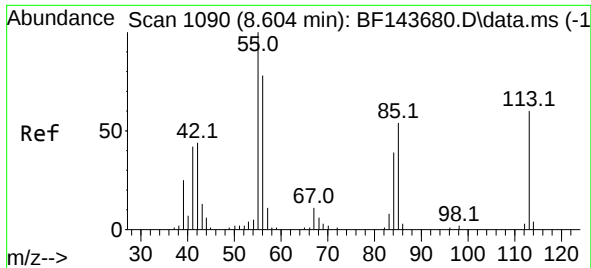
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:127 | Resp: | 28482       |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 31.9  | 26.0 39.0   |
| 65          | 34.5  | 24.6 36.8   |
| 92          | 19.4  | 16.3 24.5   |



#34  
Hexachlorobutadiene  
Concen: 8.321 ng  
RT: 8.310 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 14438       |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 60.1  | 50.6 76.0   |
| 227         | 62.3  | 50.8 76.2   |

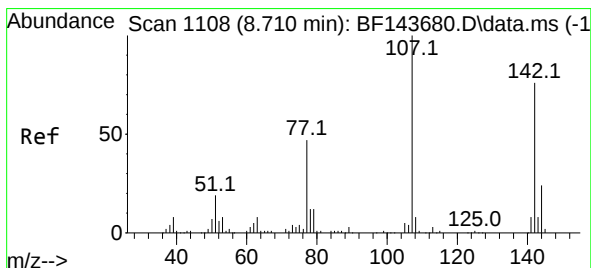
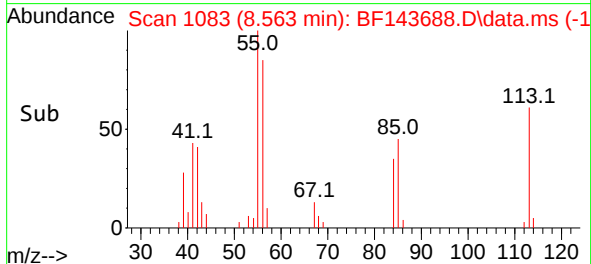
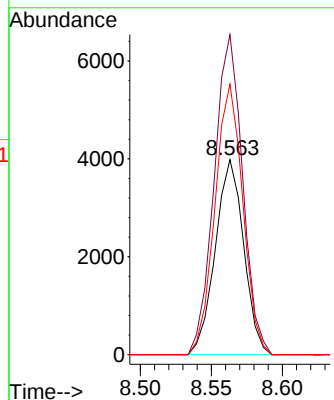
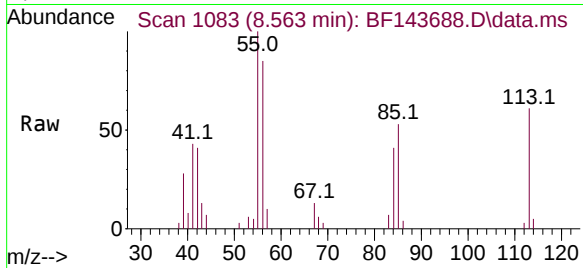




#35  
 Caprolactam  
 Concen: 8.099 ng  
 RT: 8.563 min Scan# 1106  
 Delta R.T. -0.041 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

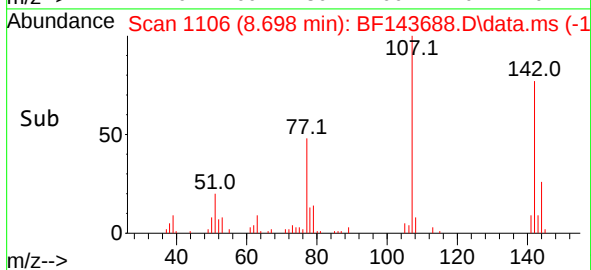
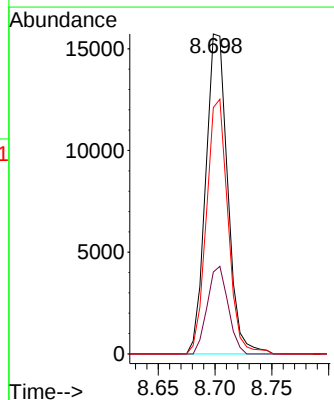
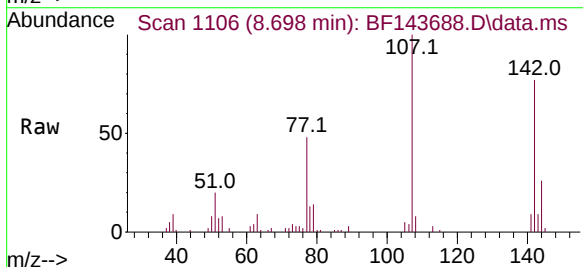
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

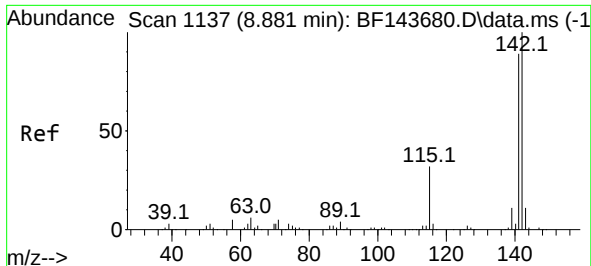
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 5535        |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 55          | 164.2 | 148.9 188.9 |
| 56          | 138.8 | 112.8 152.8 |



#36  
 4-Chloro-3-methylphenol  
 Concen: 8.355 ng  
 RT: 8.698 min Scan# 1106  
 Delta R.T. -0.012 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 21154       |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 144         | 25.6  | 19.4 29.2   |
| 142         | 77.0  | 60.6 91.0   |

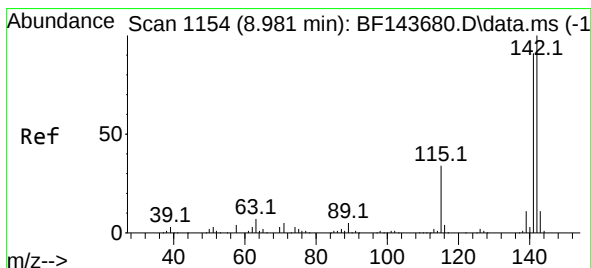
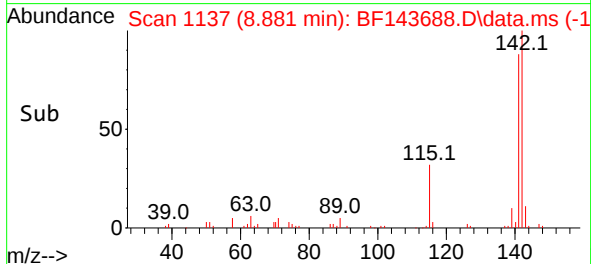
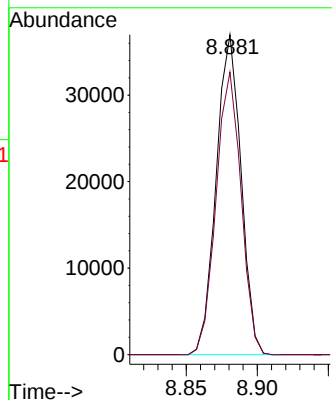
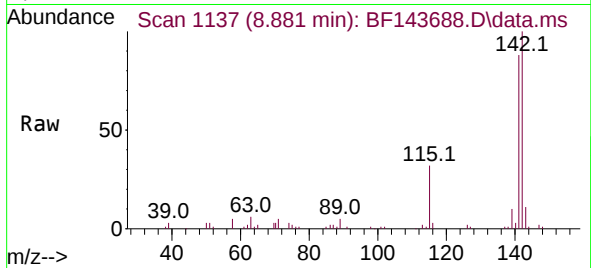




#37  
2-Methylnaphthalene  
Concen: 7.660 ng  
RT: 8.881 min Scan# 1137  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

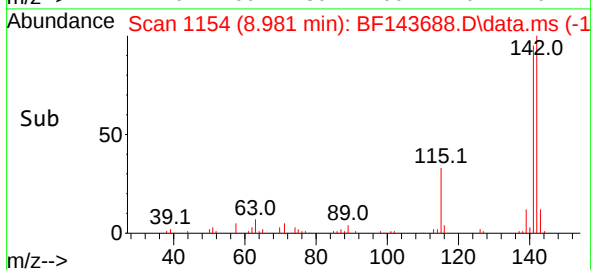
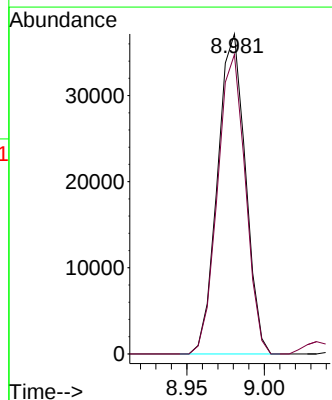
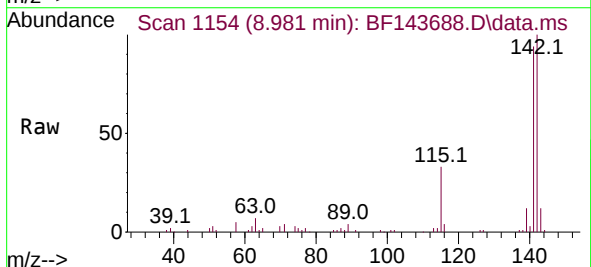
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

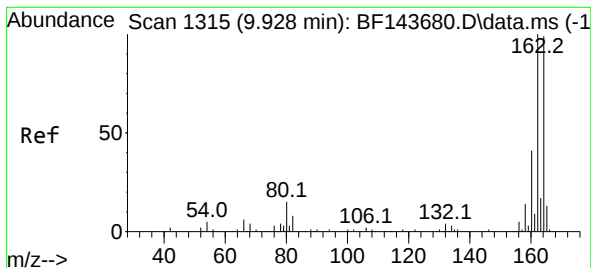
Tgt Ion:142 Resp: 45032  
Ion Ratio Lower Upper  
142 100  
141 88.3 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 8.262 ng  
RT: 8.981 min Scan# 1154  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:142 Resp: 46613  
Ion Ratio Lower Upper  
142 100  
141 93.6 72.9 109.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF143688.D

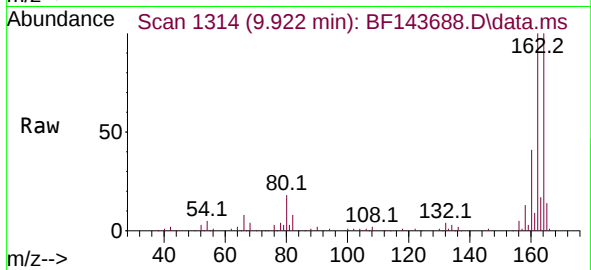
Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



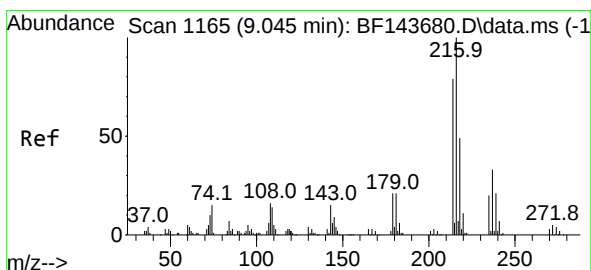
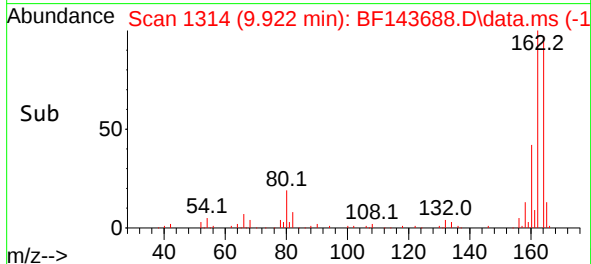
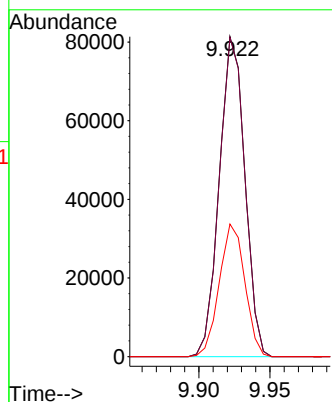
Tgt Ion:164 Resp: 102171

Ion Ratio Lower Upper

164 100

162 99.7 80.6 121.0

160 41.4 33.0 49.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.389 ng

RT: 9.045 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Tgt Ion:216 Resp: 24539

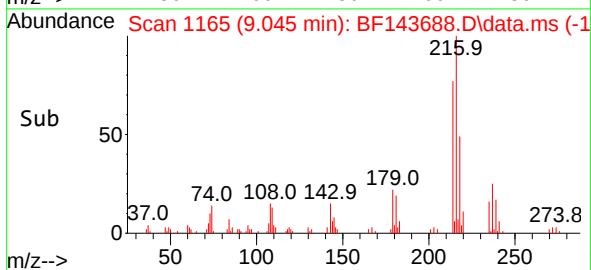
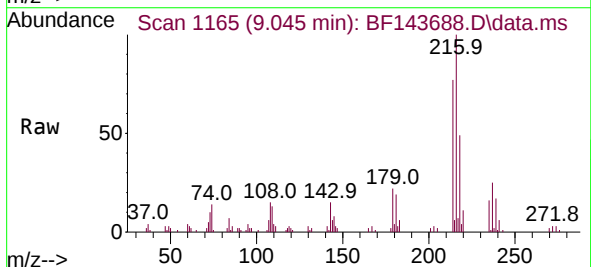
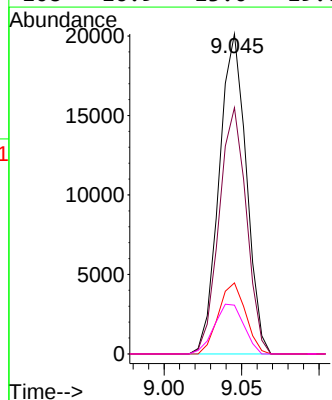
Ion Ratio Lower Upper

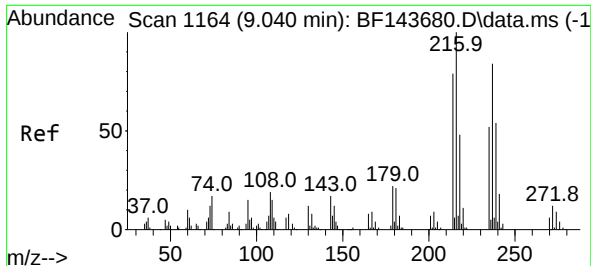
216 100

214 77.1 63.2 94.8

179 22.1 16.8 25.2

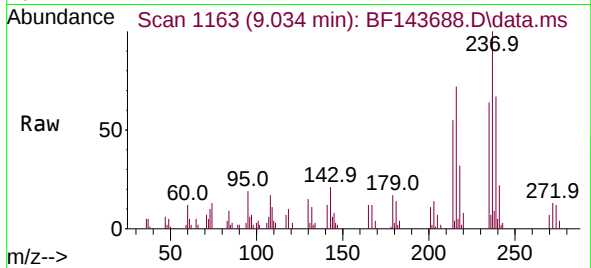
108 16.9 13.0 19.6



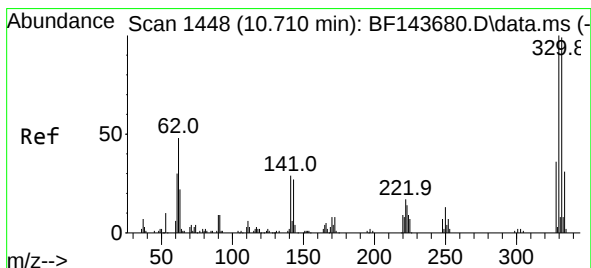
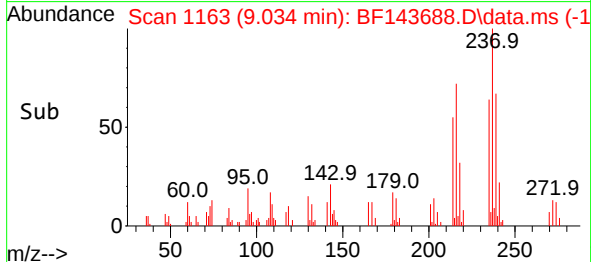
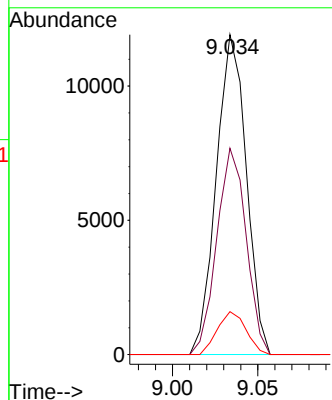


#41  
Hexachlorocyclopentadiene  
Concen: 9.716 ng  
RT: 9.034 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

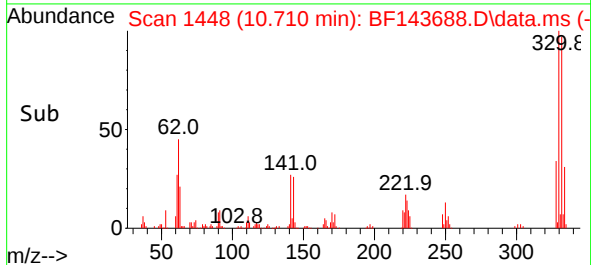
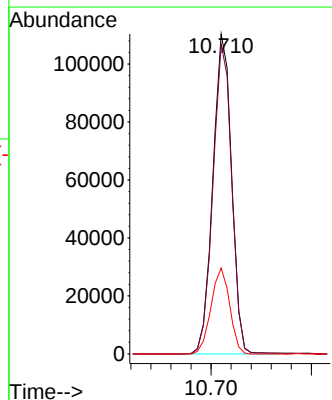
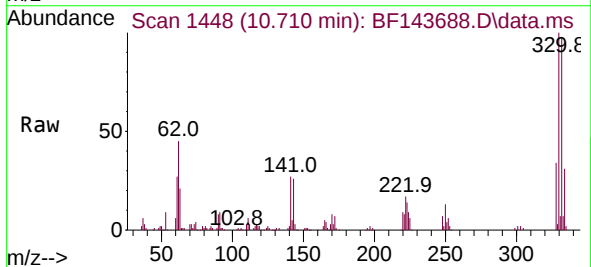


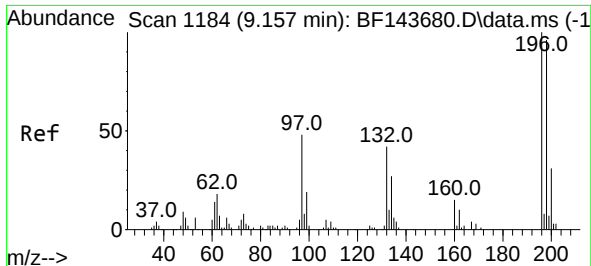
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 64.5  | 41.6  | 81.6  |
| 272     | 13.4  | 0.0   | 33.9  |



#42  
2,4,6-Tribromophenol  
Concen: 139.052 ng  
RT: 10.710 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 79.2  | 118.8 |
| 141     | 26.6  | 22.2  | 33.4  |

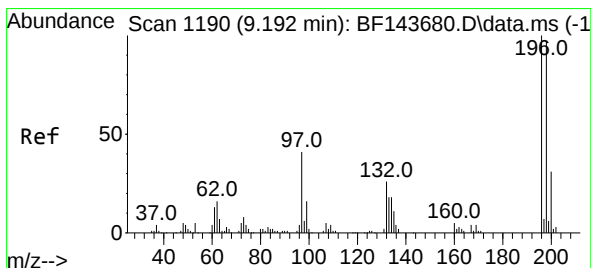
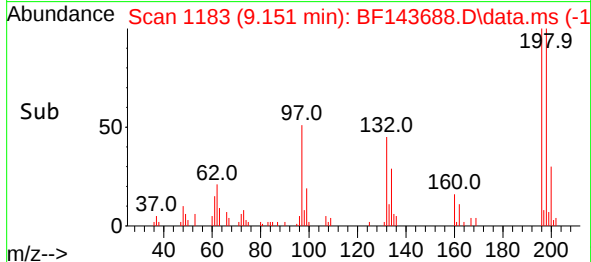
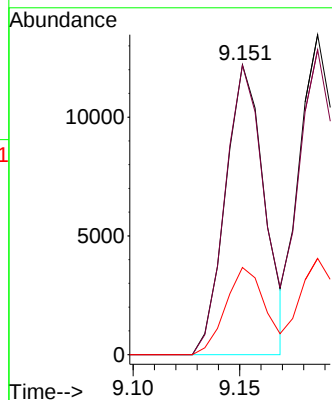
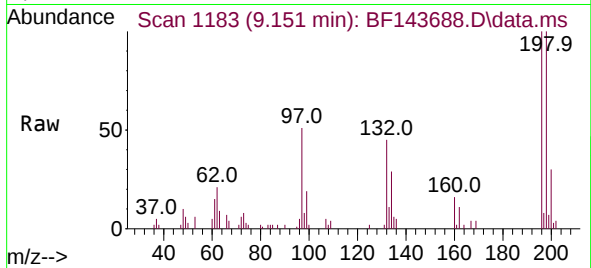




#43  
2,4,6-Trichlorophenol  
Concen: 7.955 ng  
RT: 9.151 min Scan# 1183  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

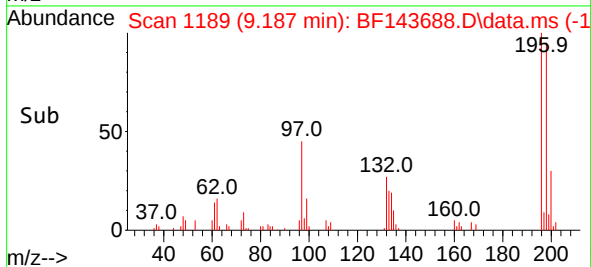
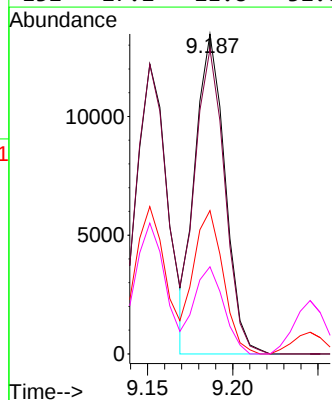
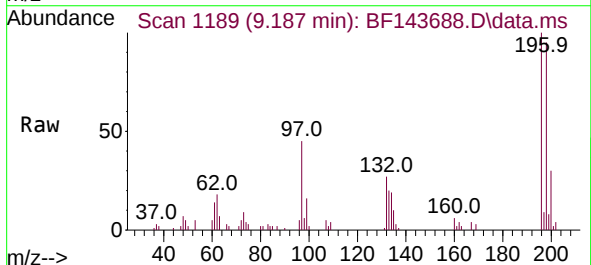
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

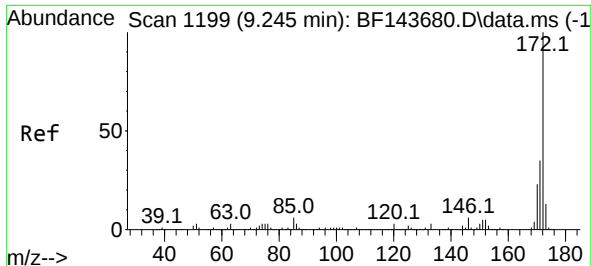
Tgt Ion:196 Resp: 15537  
Ion Ratio Lower Upper  
196 100  
198 99.9 76.5 114.7  
200 30.0 24.5 36.7



#44  
2,4,5-Trichlorophenol  
Concen: 8.281 ng  
RT: 9.187 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:196 Resp: 16443  
Ion Ratio Lower Upper  
196 100  
198 95.3 77.0 115.6  
97 44.8 34.2 51.4  
132 27.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 92.148 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

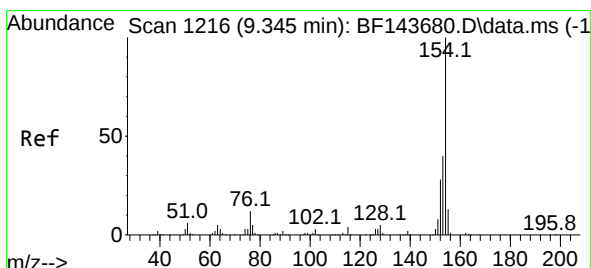
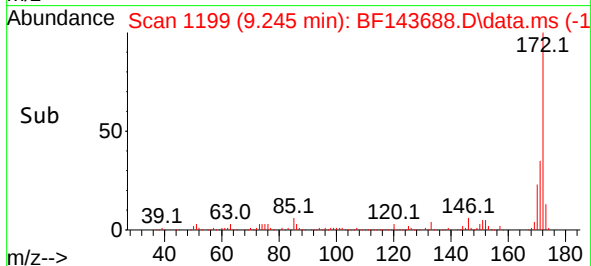
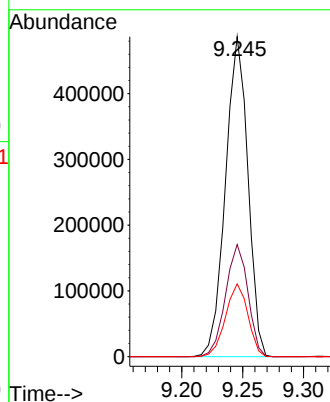
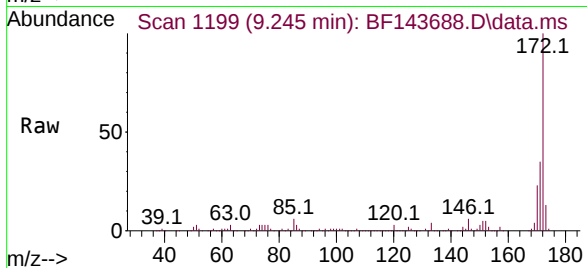
Tgt Ion:172 Resp: 623246

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 22.7 18.6 27.8



#46

1,1'-Biphenyl

Concen: 8.735 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

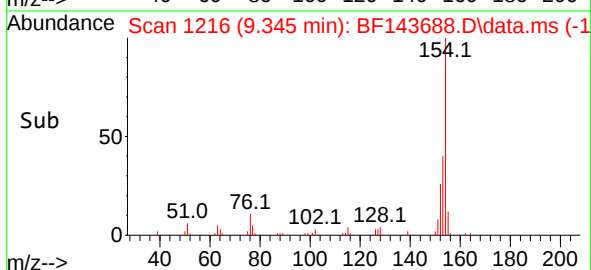
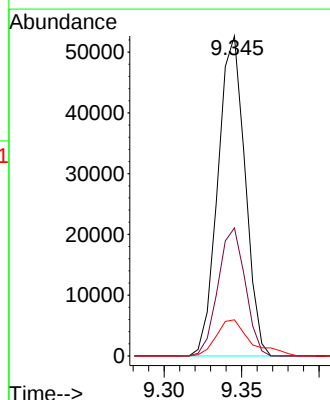
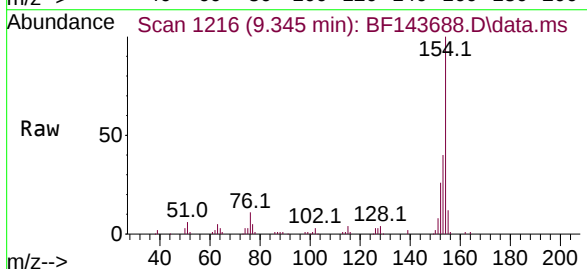
Tgt Ion:154 Resp: 64249

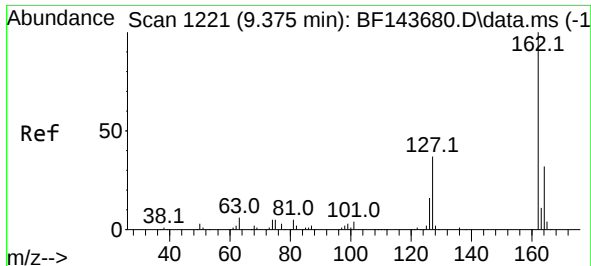
Ion Ratio Lower Upper

154 100

153 40.0 20.2 60.2

76 11.3 0.0 31.6





#47

2-Chloronaphthalene

Concen: 8.260 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

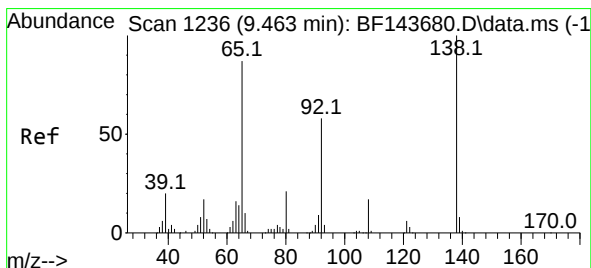
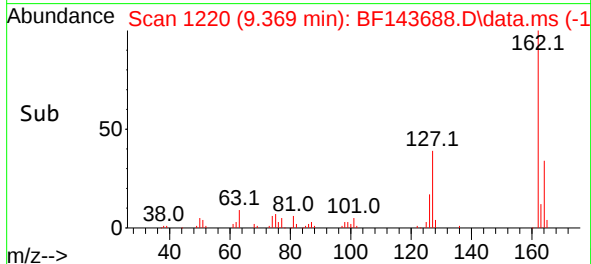
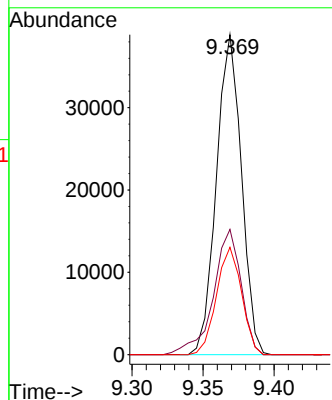
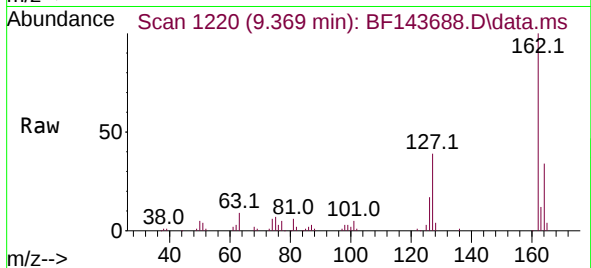
Tgt Ion:162 Resp: 47633

Ion Ratio Lower Upper

162 100

127 39.1 30.6 45.8

164 33.5 25.8 38.8



#48

2-Nitroaniline

Concen: 8.048 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

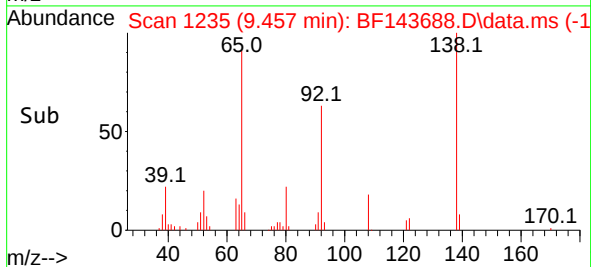
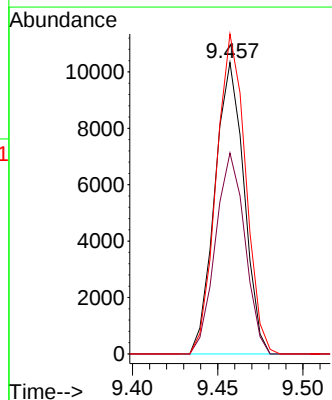
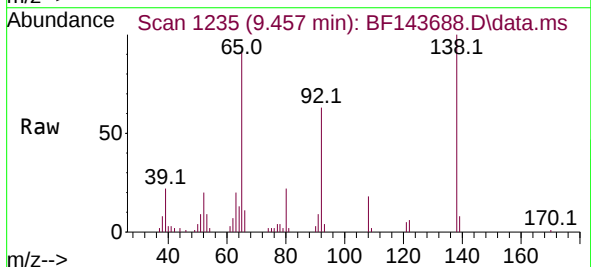
Tgt Ion: 65 Resp: 12281

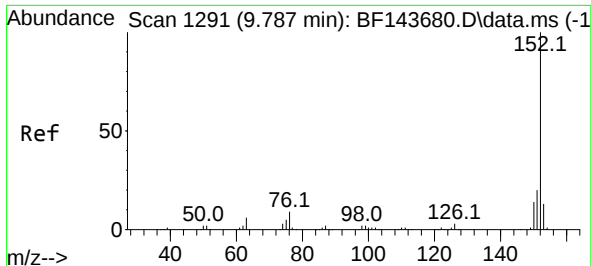
Ion Ratio Lower Upper

65 100

92 68.9 53.3 79.9

138 109.8 92.1 138.1





#49

Acenaphthylene

Concen: 9.316 ng

RT: 9.781 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF143688.D

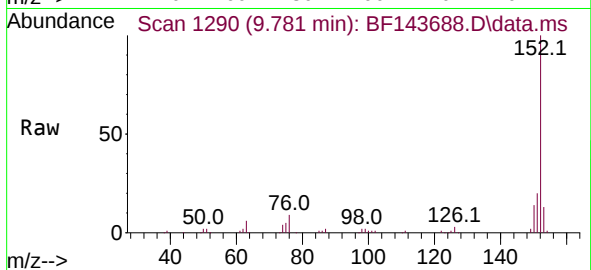
Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



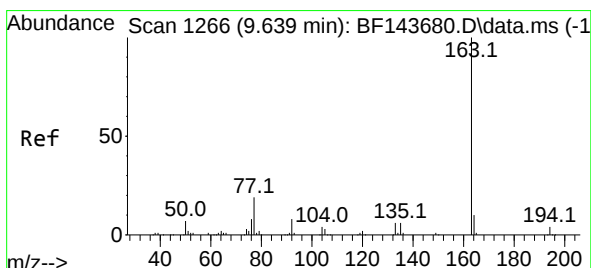
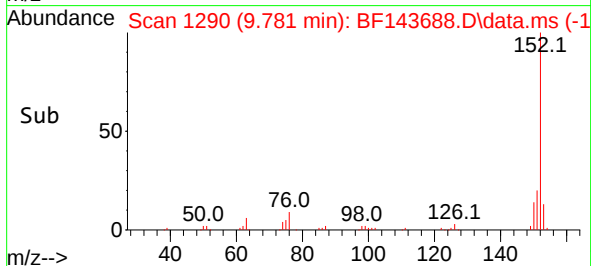
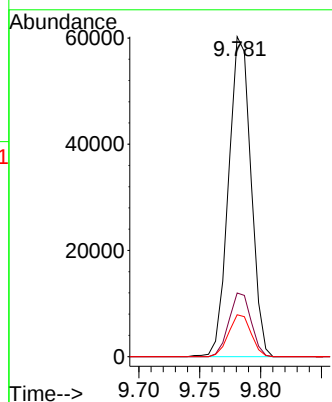
Tgt Ion:152 Resp: 76954

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 8.477 ng

RT: 9.640 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

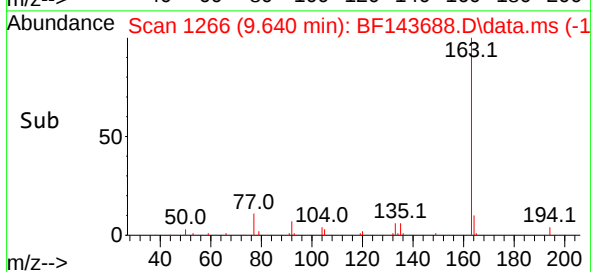
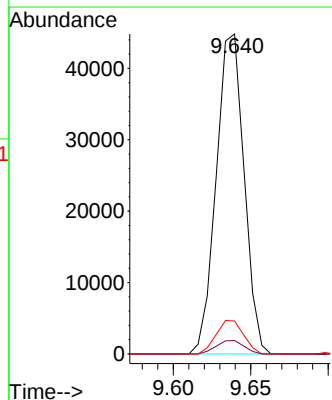
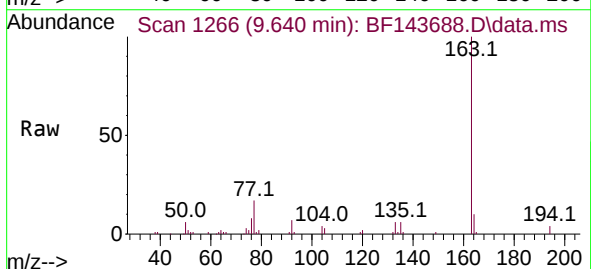
Tgt Ion:163 Resp: 56349

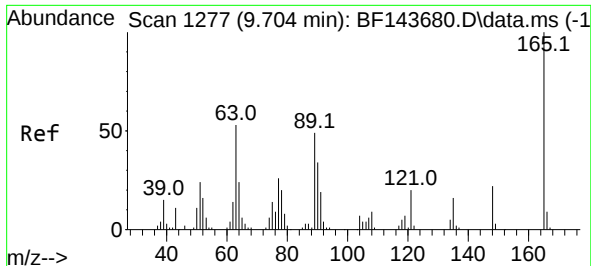
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 10.3 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 8.654 ng

RT: 9.698 min Scan# 1276

Delta R.T. -0.006 min

Lab File: BF143688.D

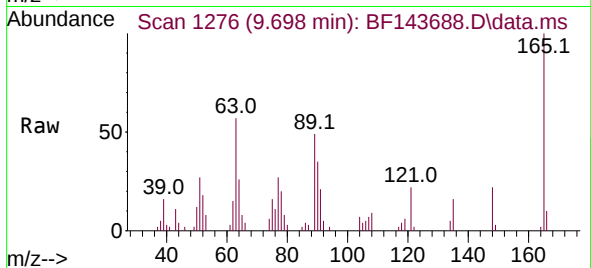
Acq: 09 Sep 2025 16:59

Instrument :

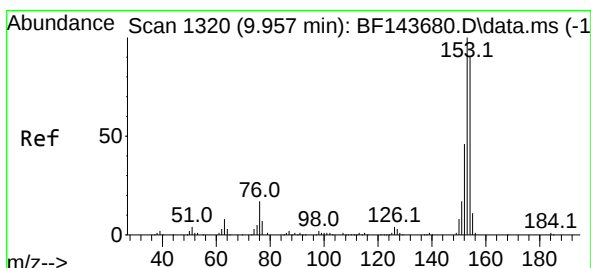
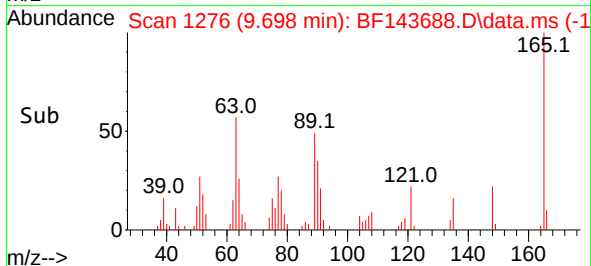
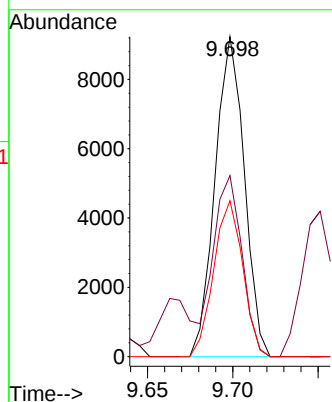
BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 10999     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 56.6  | 42.2 63.4 |
| 89          | 48.7  | 39.3 58.9 |



#52

Acenaphthene

Concen: 8.163 ng

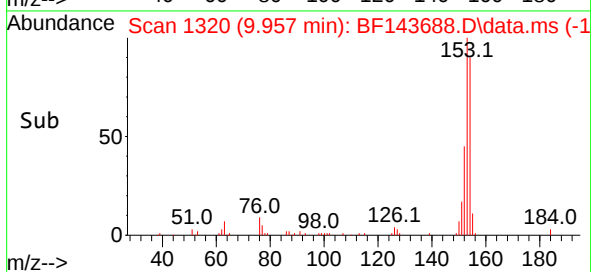
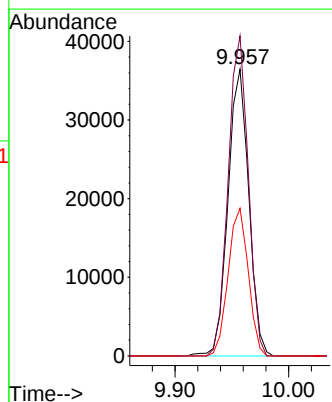
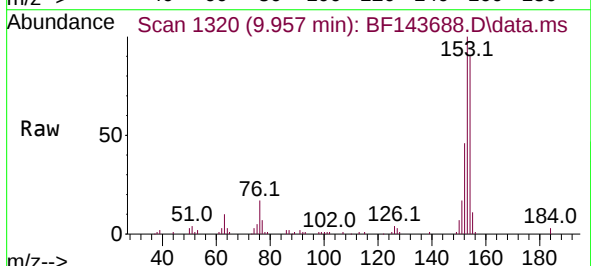
RT: 9.957 min Scan# 1320

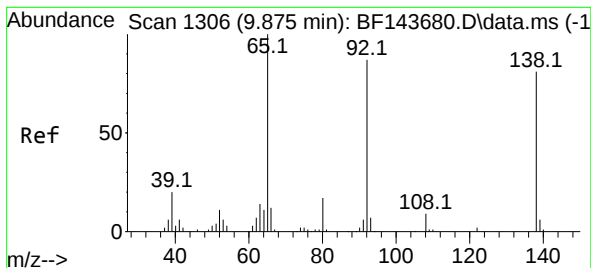
Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 46463      |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 111.7 | 89.4 134.0 |
| 152         | 51.5  | 41.2 61.8  |





#53

3-Nitroaniline

Concen: 8.313 ng

RT: 9.863 min Scan# 1304

Delta R.T. -0.012 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

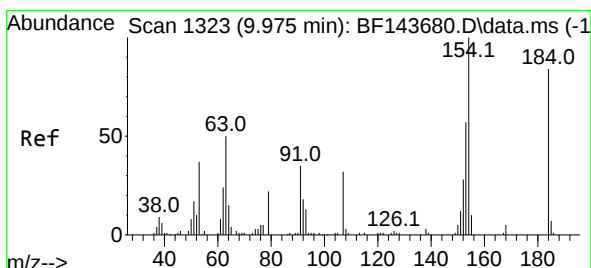
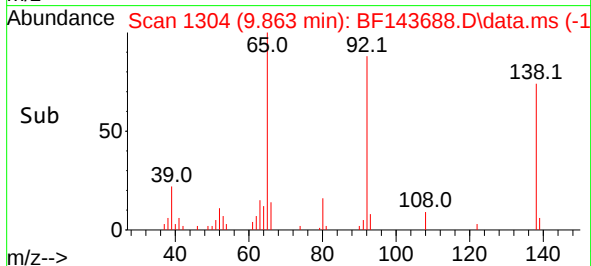
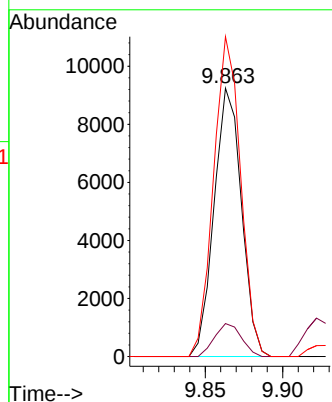
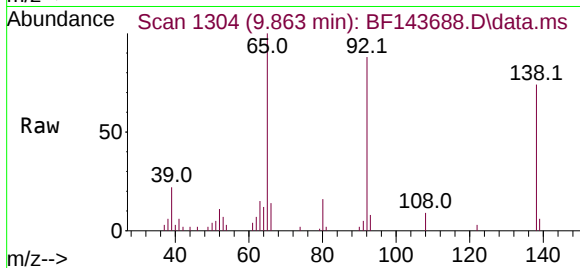
Tgt Ion:138 Resp: 11371

Ion Ratio Lower Upper

138 100

108 12.3 8.6 12.8

92 119.2 85.5 128.3



#54

2,4-Dinitrophenol

Concen: 10.259 ng

RT: 9.969 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

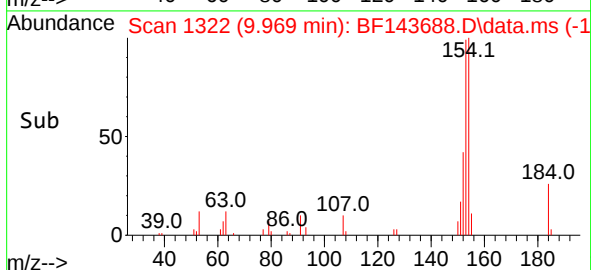
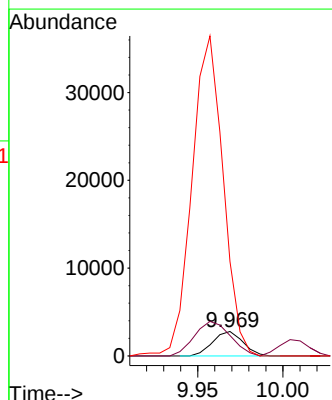
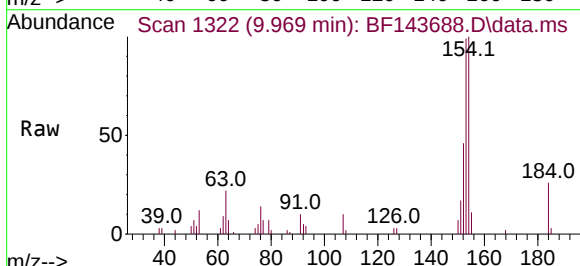
Tgt Ion:184 Resp: 3429

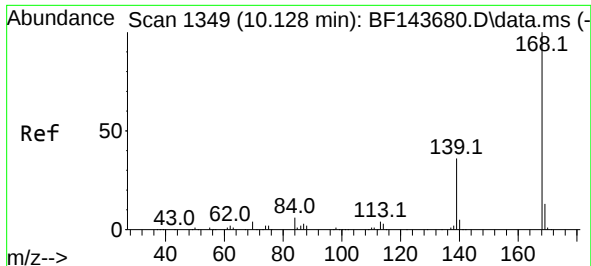
Ion Ratio Lower Upper

184 100

63 83.4 52.7 79.1#

154 386.0 136.6 204.8#

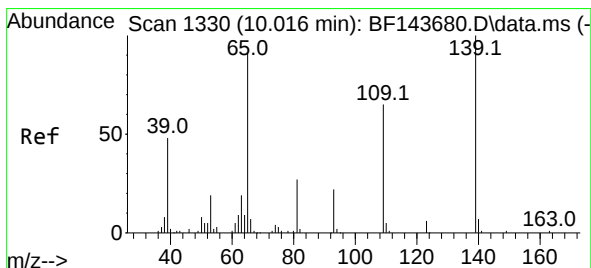
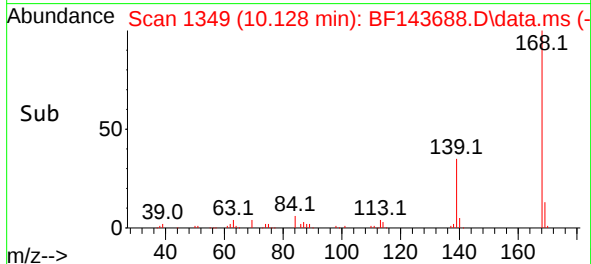
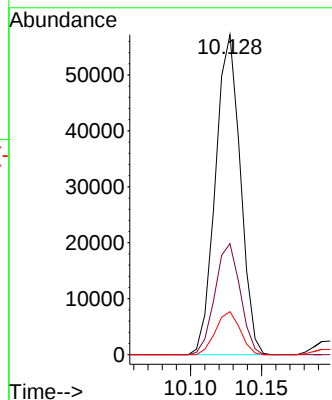
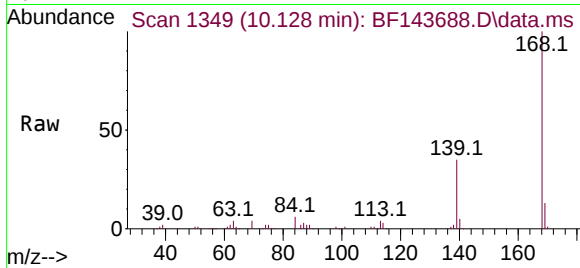




#55  
Dibenzenofuran  
Concen: 8.522 ng  
RT: 10.128 min Scan# 1349  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

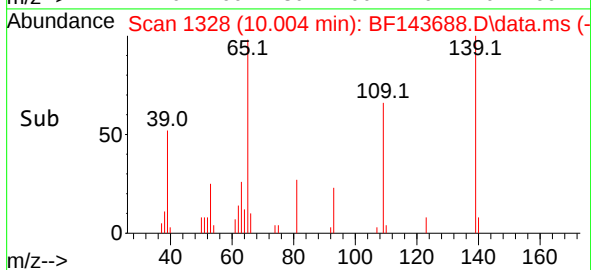
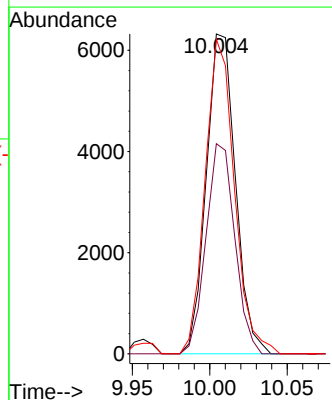
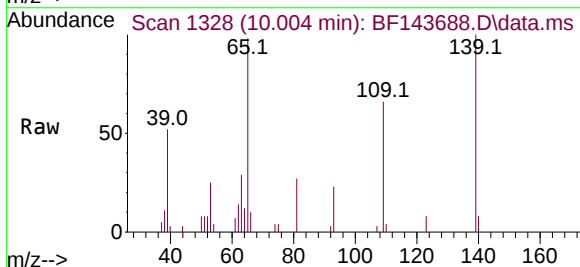
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

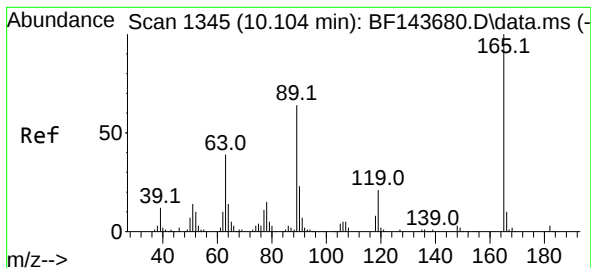
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:168 | Resp: | 69751     |
| Ion Ratio   | Lower | Upper     |
| 168         | 100   |           |
| 139         | 34.7  | 29.0 43.4 |
| 169         | 13.4  | 10.8 16.2 |



#56  
4-Nitrophenol  
Concen: 7.615 ng  
RT: 10.004 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:139 | Resp: | 8286       |
| Ion Ratio   | Lower | Upper      |
| 139         | 100   |            |
| 109         | 65.7  | 45.2 85.2  |
| 65          | 98.3  | 72.1 112.1 |

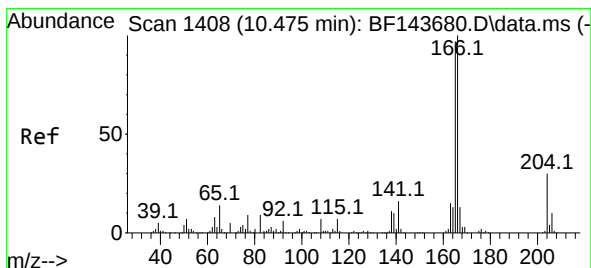
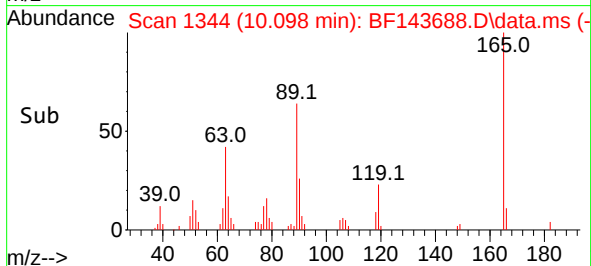
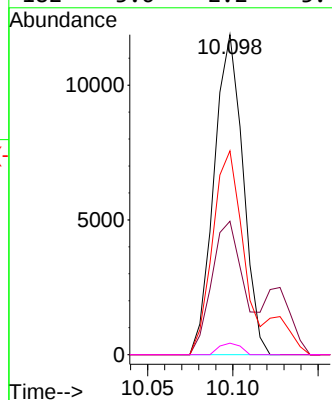
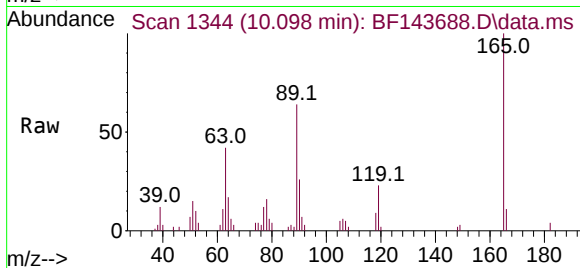




#57  
2,4-Dinitrotoluene  
Concen: 8.107 ng  
RT: 10.098 min Scan# 1344  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

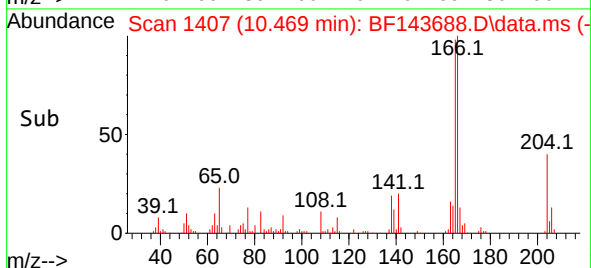
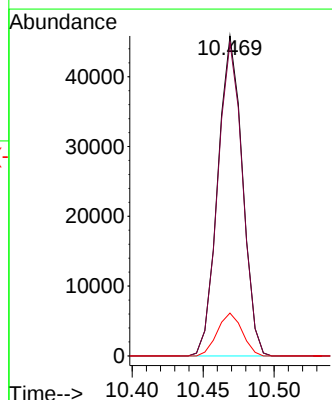
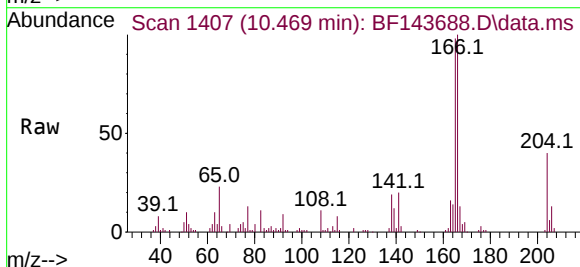
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

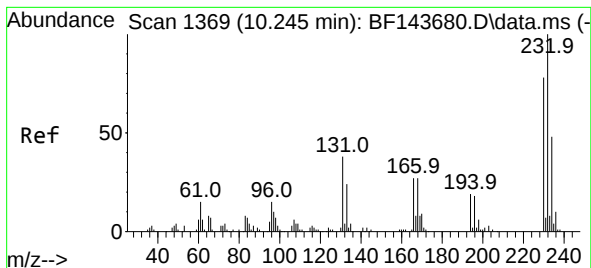
Tgt Ion:165 Resp: 14024  
Ion Ratio Lower Upper  
165 100  
63 41.7 31.5 47.3  
89 63.7 51.3 76.9  
182 3.6 2.2 3.4#



#58  
Fluorene  
Concen: 8.636 ng  
RT: 10.469 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:166 Resp: 55329  
Ion Ratio Lower Upper  
166 100  
165 97.9 77.5 116.3  
167 13.4 10.2 15.2

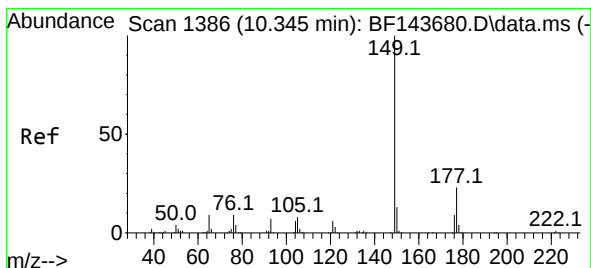
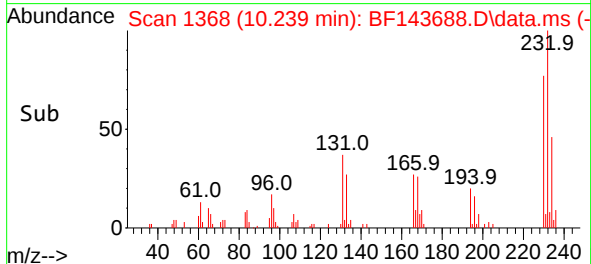
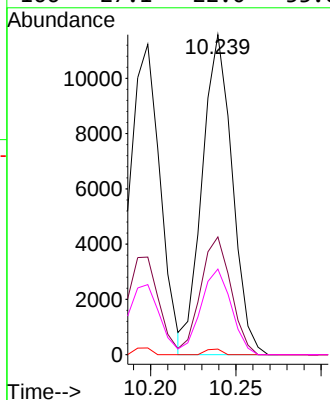
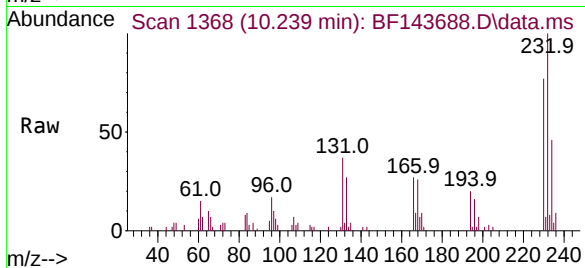




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 8.811 ng  
RT: 10.239 min Scan# 1368  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

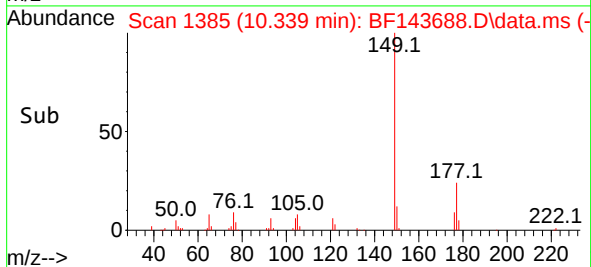
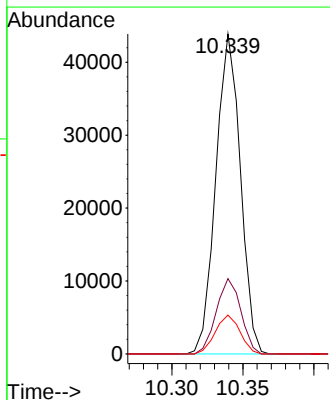
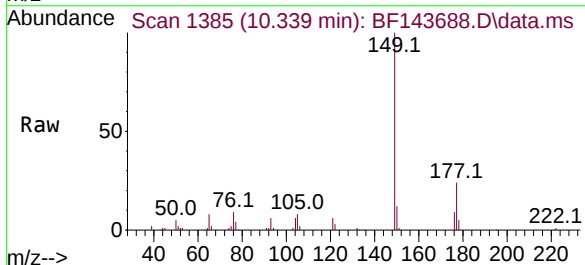
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

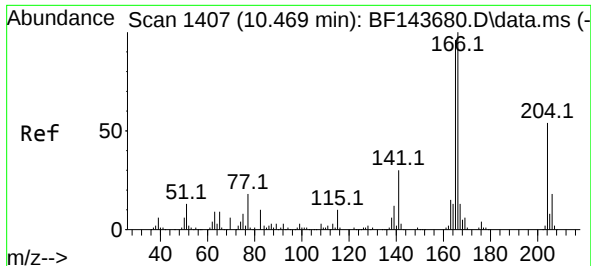
Tgt Ion:232 Resp: 14186  
Ion Ratio Lower Upper  
232 100  
131 37.2 31.9 47.9  
130 0.9 1.4 2.0#  
166 27.1 22.0 33.0



#60  
Diethylphthalate  
Concen: 8.442 ng  
RT: 10.339 min Scan# 1385  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:149 Resp: 52683  
Ion Ratio Lower Upper  
149 100  
177 23.5 18.2 27.2  
150 12.1 10.0 15.0

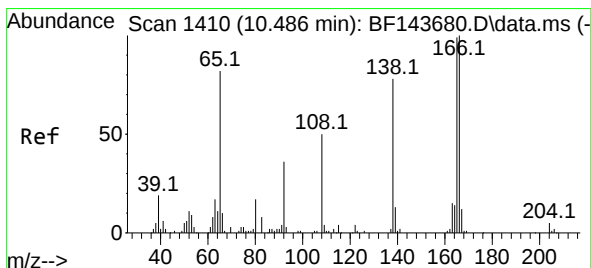
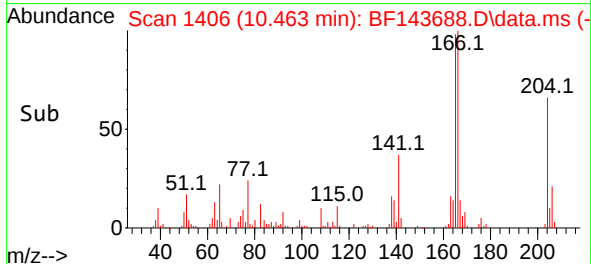
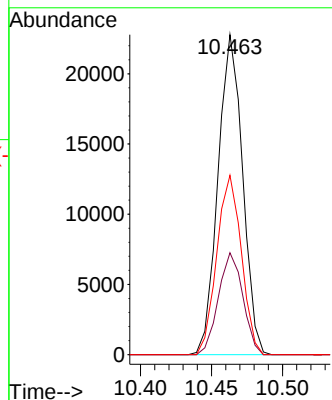
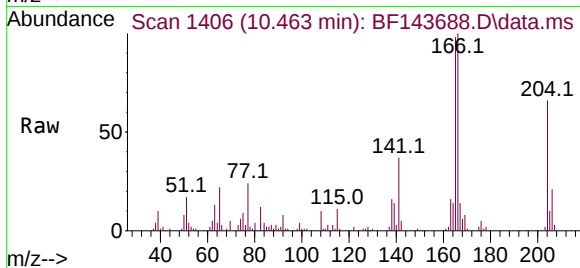




#61  
4-Chlorophenyl-phenylether  
Concen: 8.460 ng  
RT: 10.463 min Scan# 1406  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

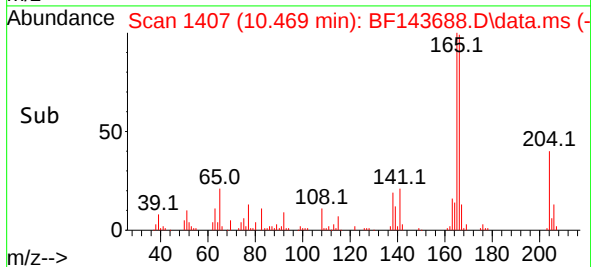
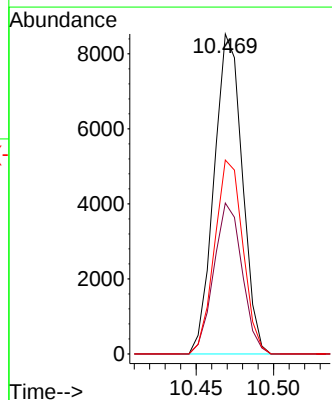
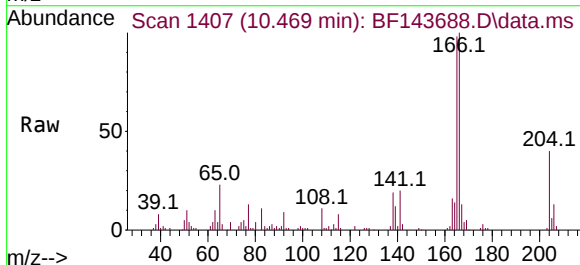
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

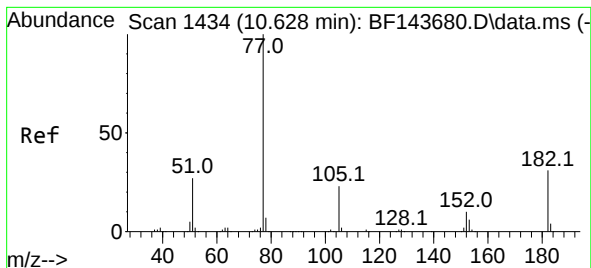
Tgt Ion:204 Resp: 27490  
Ion Ratio Lower Upper  
204 100  
206 31.8 26.0 39.0  
141 56.0 44.8 67.2



#62  
4-Nitroaniline  
Concen: 8.350 ng  
RT: 10.469 min Scan# 1407  
Delta R.T. -0.018 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:138 Resp: 10817  
Ion Ratio Lower Upper  
138 100  
92 47.1 26.4 66.4  
108 60.6 44.3 84.3





#63

Azobenzene

Concen: 8.556 ng

RT: 10.622 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF143688.D

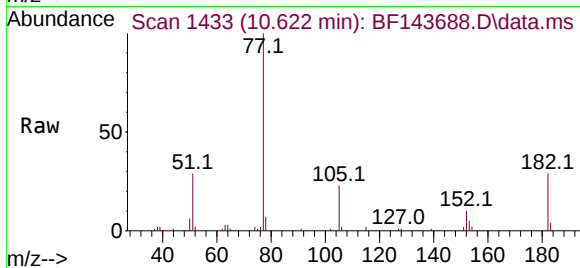
Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 77 Resp: 47209

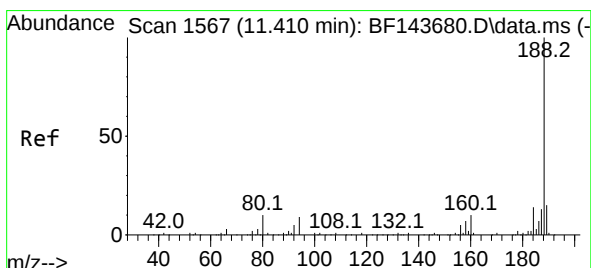
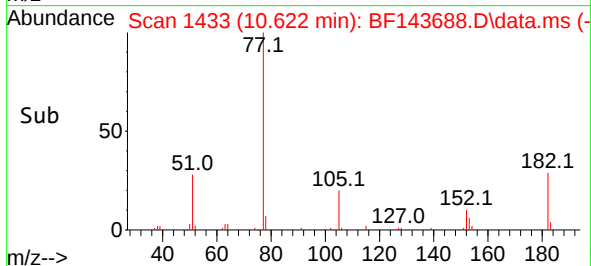
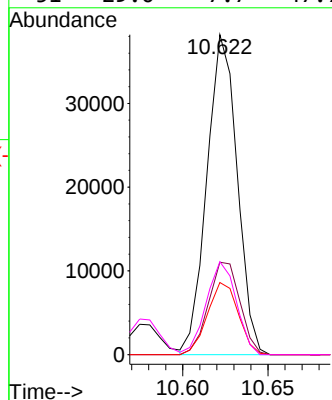
Ion Ratio Lower Upper

77 100

182 28.9 10.8 50.8

105 22.5 3.2 43.2

51 29.0 7.7 47.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

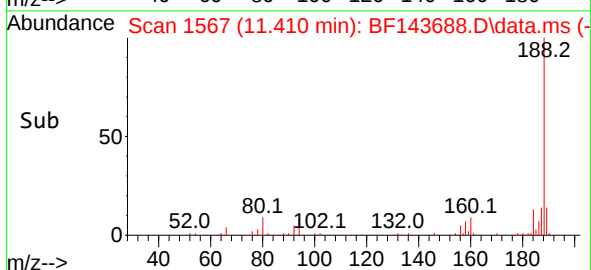
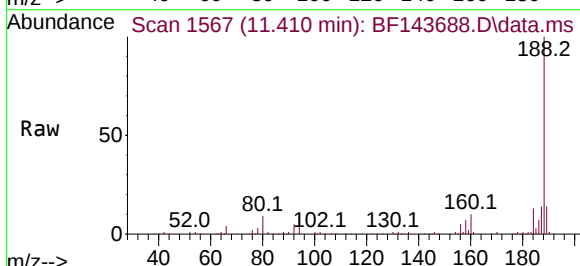
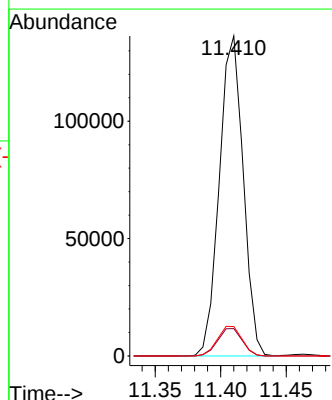
Tgt Ion:188 Resp: 173016

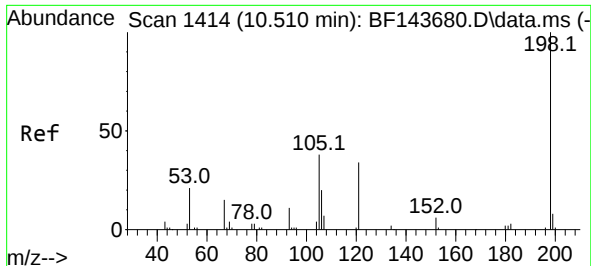
Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.0

80 9.2 7.7 11.5





#65

4,6-Dinitro-2-methylphenol

Concen: 6.256 ng

RT: 10.504 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

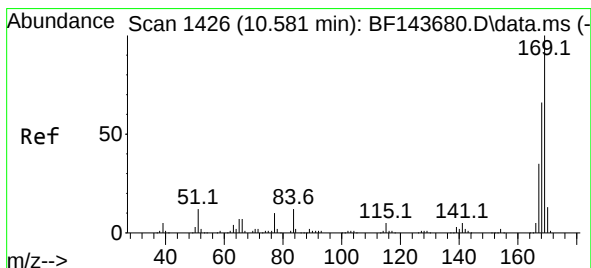
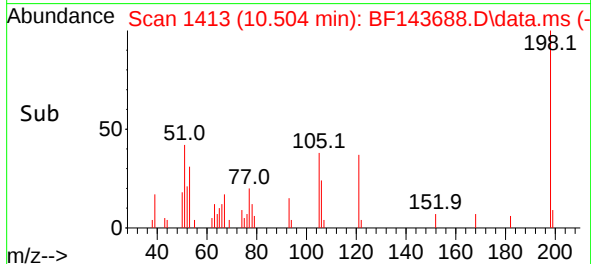
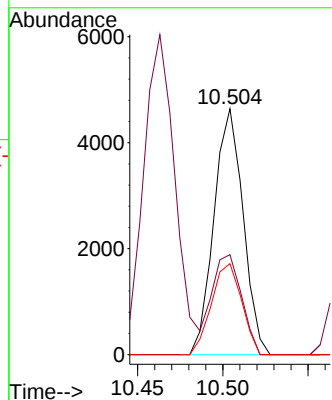
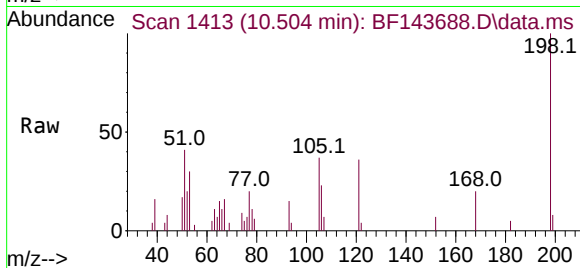
Tgt Ion:198 Resp: 5511

Ion Ratio Lower Upper

198 100

51 40.6 21.2 61.2

105 37.0 19.0 59.0



#66

n-Nitrosodiphenylamine

Concen: 8.400 ng

RT: 10.581 min Scan# 1426

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

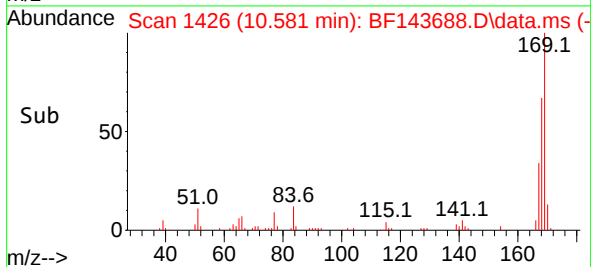
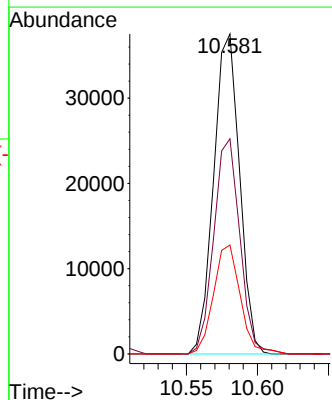
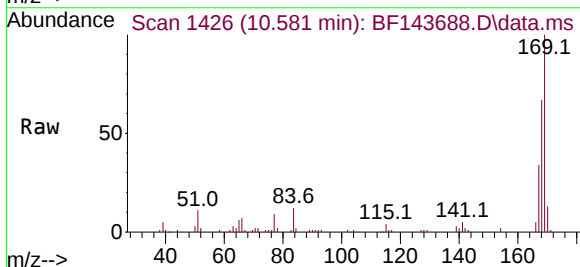
Tgt Ion:169 Resp: 47610

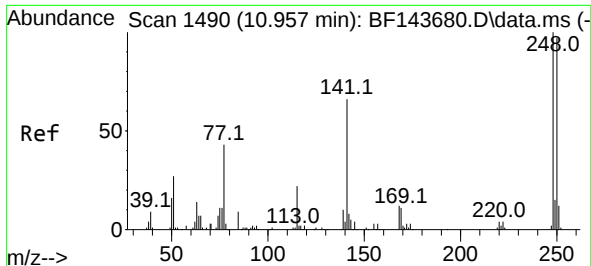
Ion Ratio Lower Upper

169 100

168 67.2 53.0 79.6

167 34.0 28.1 42.1

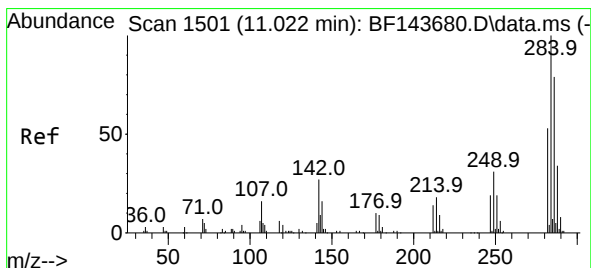
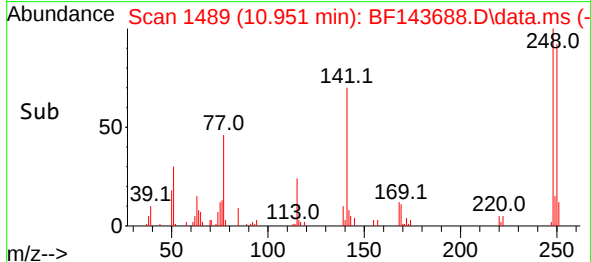
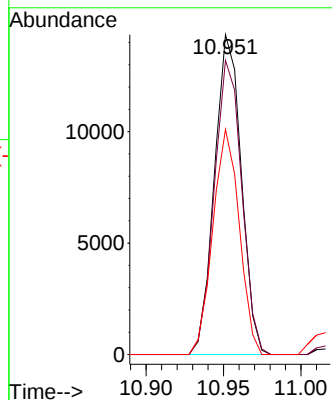
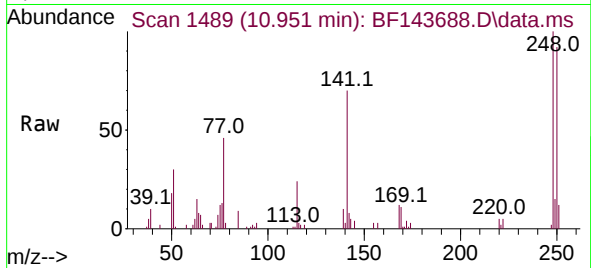




#67  
4-Bromophenyl-phenylether  
Concen: 8.291 ng  
RT: 10.951 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

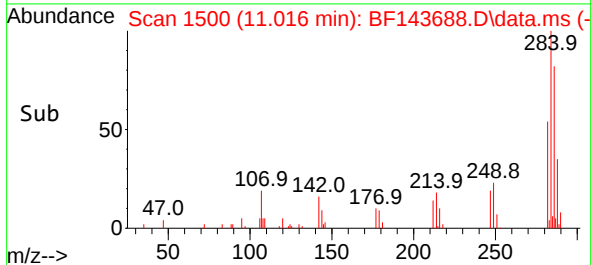
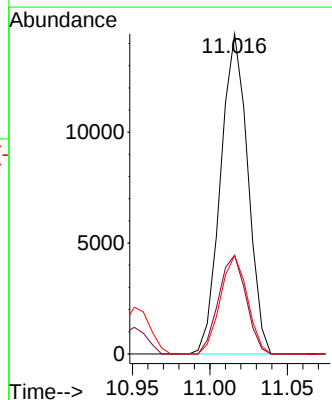
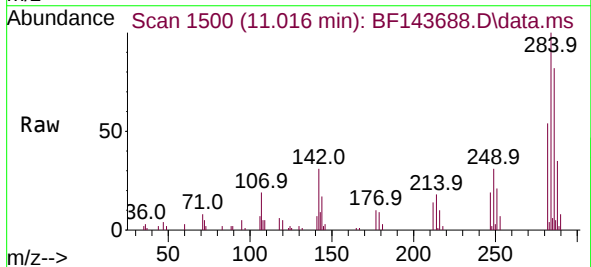
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

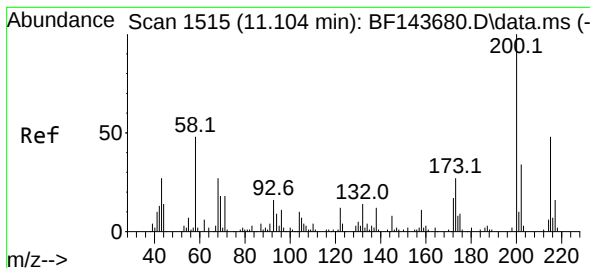
Tgt Ion:248 Resp: 17298  
Ion Ratio Lower Upper  
248 100  
250 92.0 77.5 116.3  
141 70.4 52.6 79.0



#68  
Hexachlorobenzene  
Concen: 7.986 ng  
RT: 11.016 min Scan# 1500  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:284 Resp: 17593  
Ion Ratio Lower Upper  
284 100  
142 30.8 21.3 31.9  
249 30.7 25.0 37.4





#69

Atrazine

Concen: 7.937 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

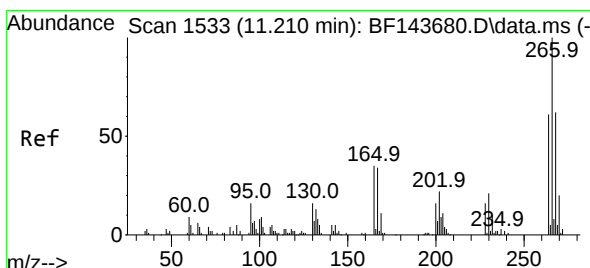
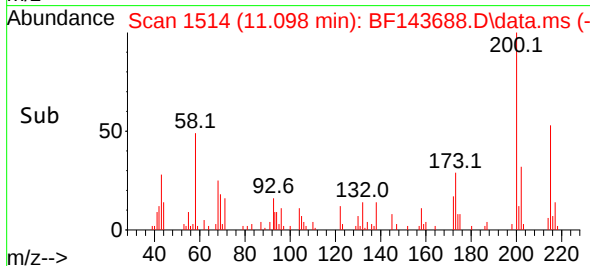
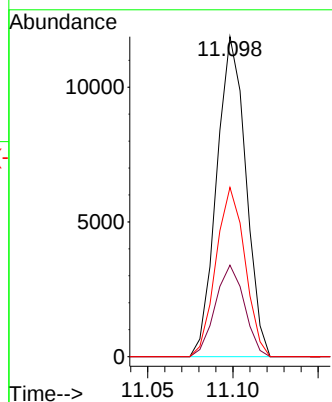
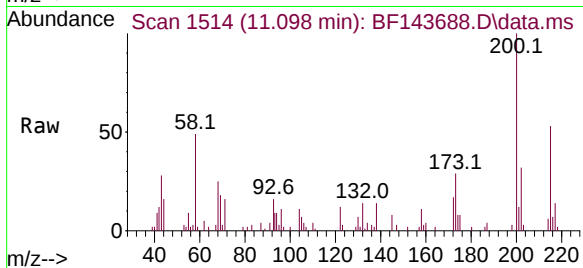
Tgt Ion:200 Resp: 14106

Ion Ratio Lower Upper

200 100

173 28.6 7.3 47.3

215 52.9 28.5 68.5



#70

Pentachlorophenol

Concen: 6.582 ng

RT: 11.204 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

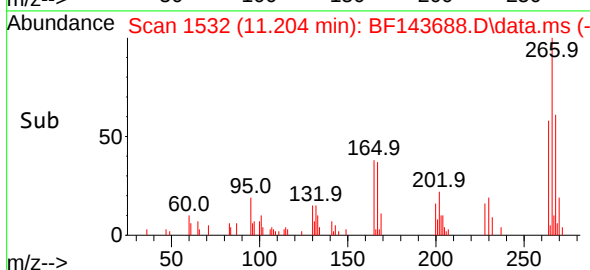
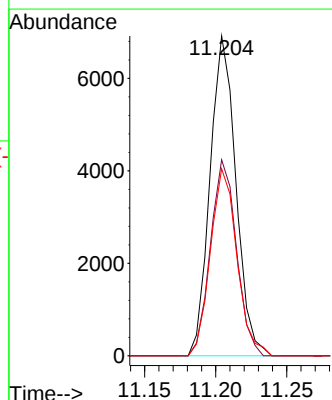
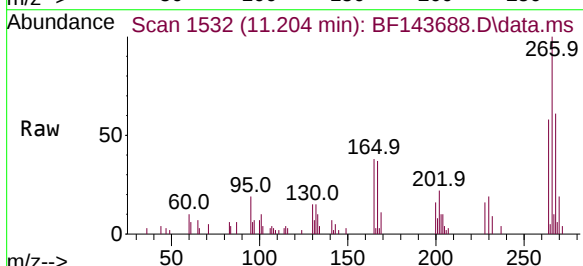
Tgt Ion:266 Resp: 8766

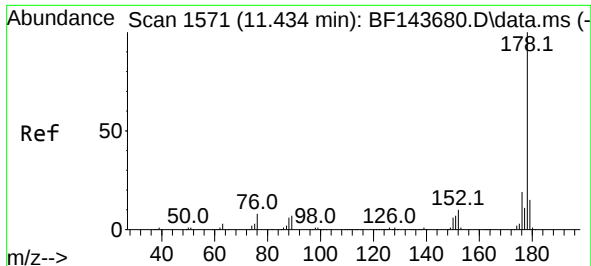
Ion Ratio Lower Upper

266 100

268 61.3 49.2 73.8

264 58.5 48.6 73.0

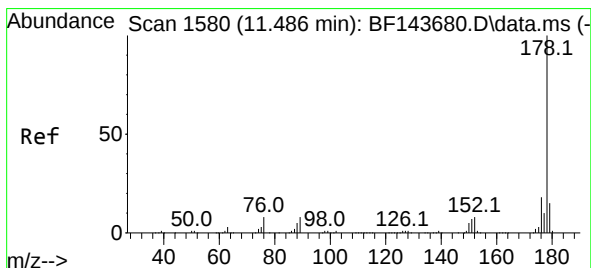
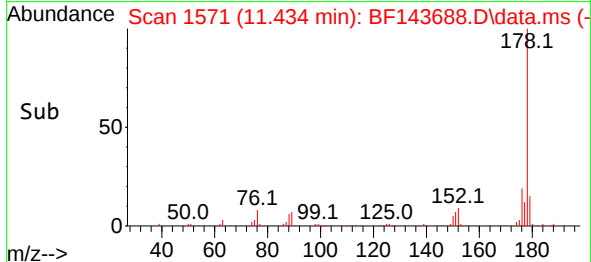
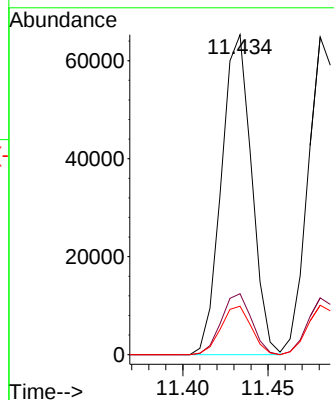
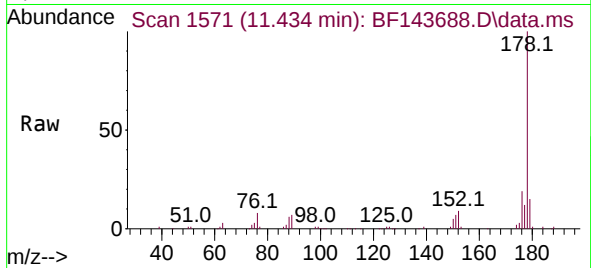




#71  
Phenanthrene  
Concen: 8.444 ng  
RT: 11.434 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

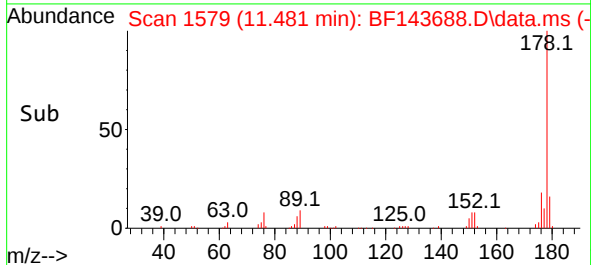
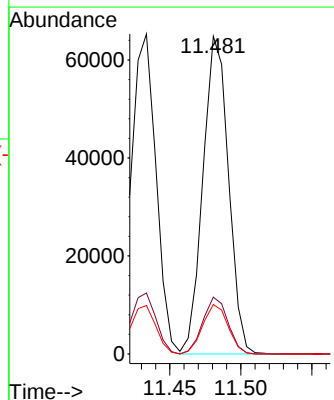
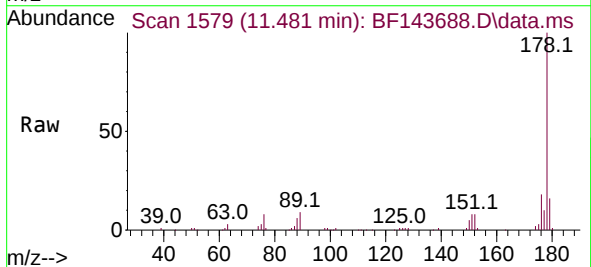
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

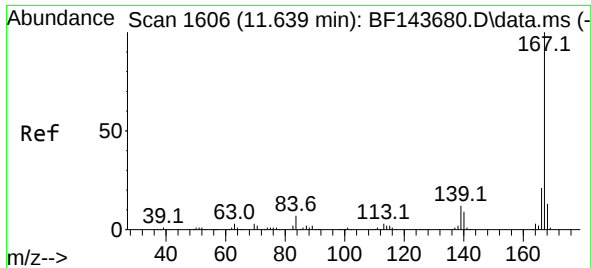
Tgt Ion:178 Resp: 80496  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.8 22.2  
179 15.1 12.2 18.2



#72  
Anthracene  
Concen: 8.444 ng  
RT: 11.481 min Scan# 1579  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

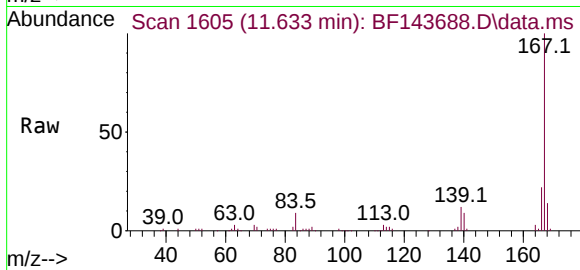
Tgt Ion:178 Resp: 80940  
Ion Ratio Lower Upper  
178 100  
176 17.9 14.5 21.7  
179 15.6 12.2 18.2



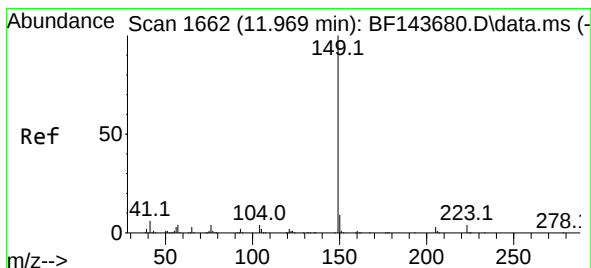
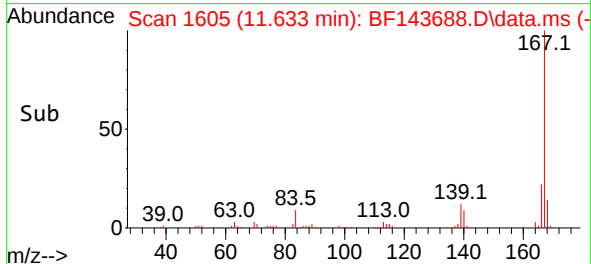
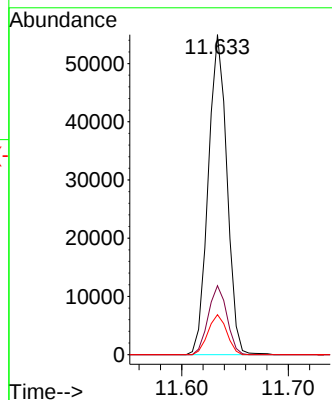


#73  
 Carbazole  
 Concen: 8.515 ng  
 RT: 11.633 min Scan# 1605  
 Delta R.T. -0.006 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

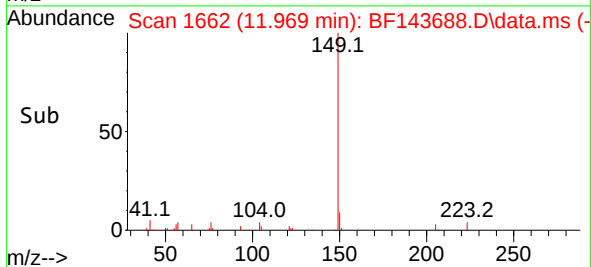
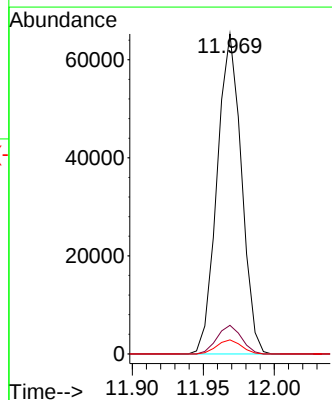
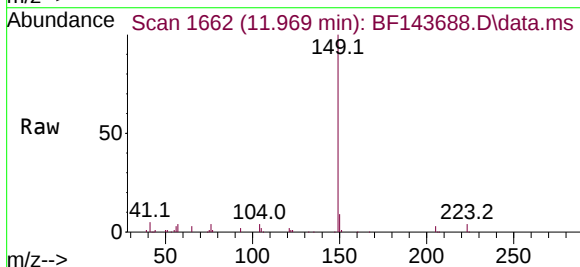


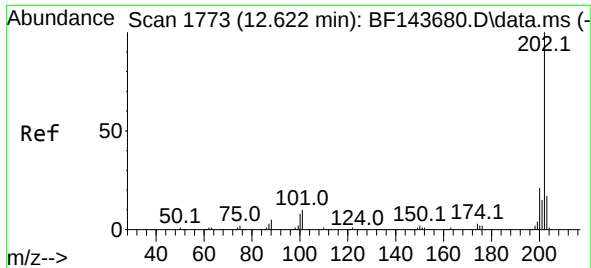
Tgt Ion:167 Resp: 66847  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.0 25.4  
 139 12.5 9.7 14.5



#74  
 Di-n-butylphthalate  
 Concen: 8.245 ng  
 RT: 11.969 min Scan# 1662  
 Delta R.T. 0.000 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

Tgt Ion:149 Resp: 77926  
 Ion Ratio Lower Upper  
 149 100  
 150 8.9 7.3 10.9  
 104 4.4 3.3 4.9

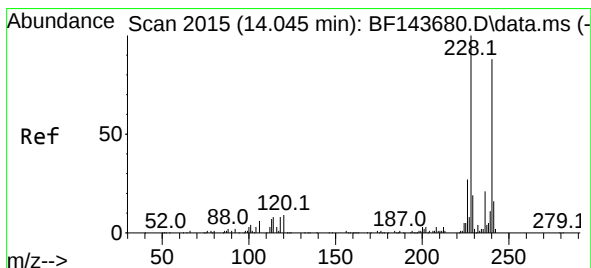
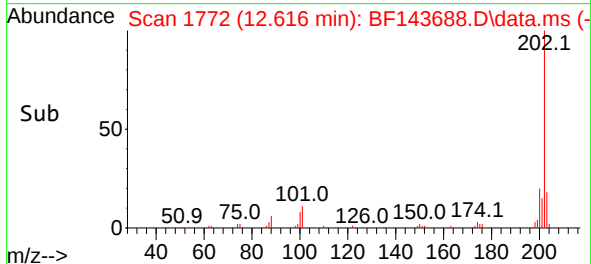
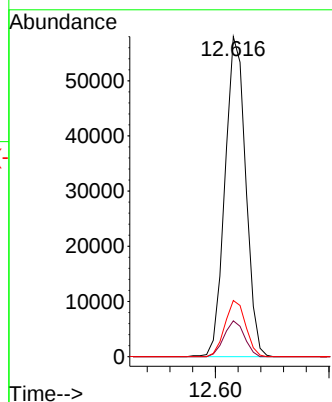
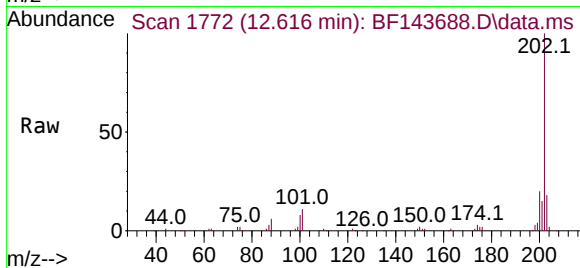




#75  
Fluoranthene  
Concen: 8.389 ng  
RT: 12.616 min Scan# 1773  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

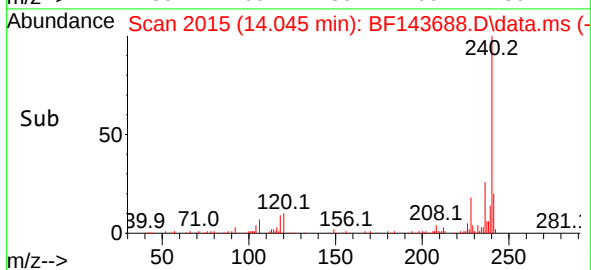
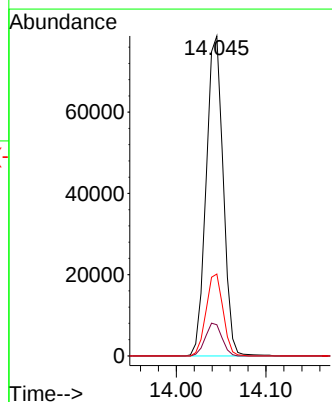
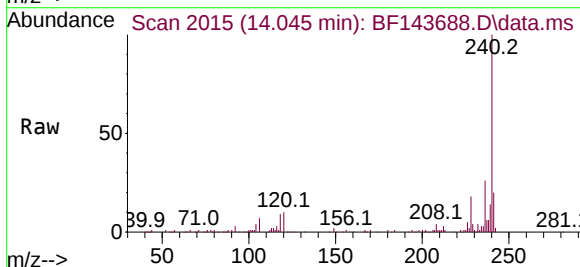
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

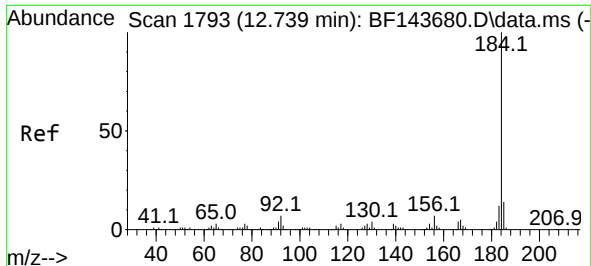
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 73412 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.2  | 0.0   | 30.5  |
| 203       | 17.5  | 0.0   | 37.1  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2015  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 103451 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.7   | 8.4   | 12.6   |
| 236       | 25.6  | 18.6  | 28.0   |

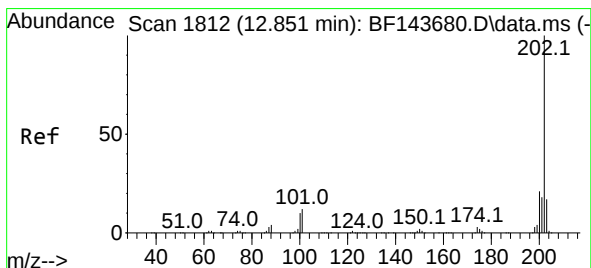
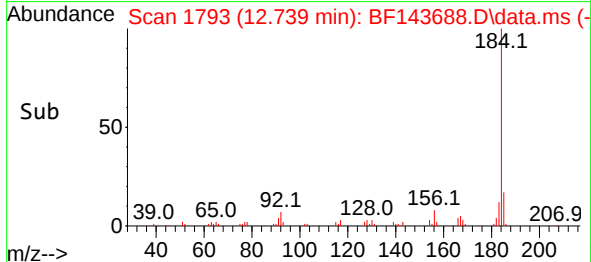
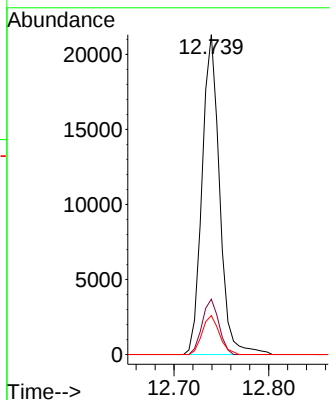
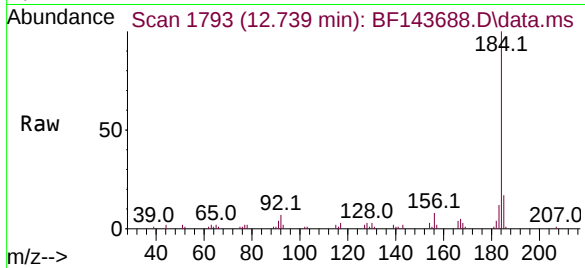




#77  
Benzidine  
Concen: 8.140 ng  
RT: 12.739 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

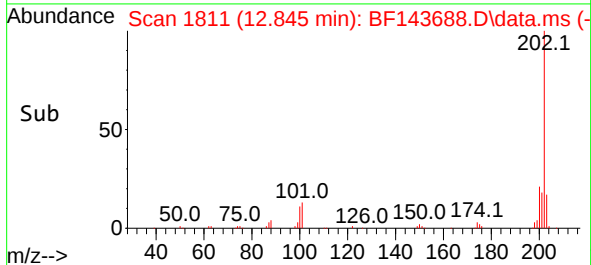
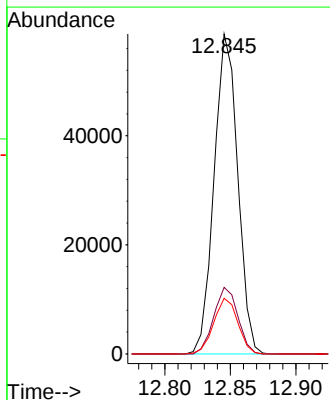
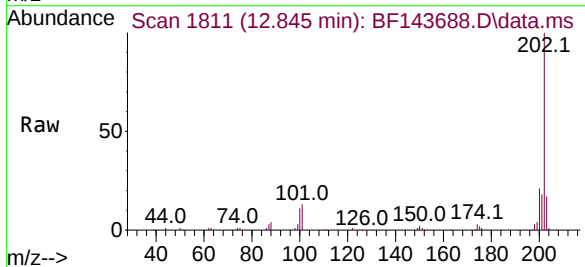
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

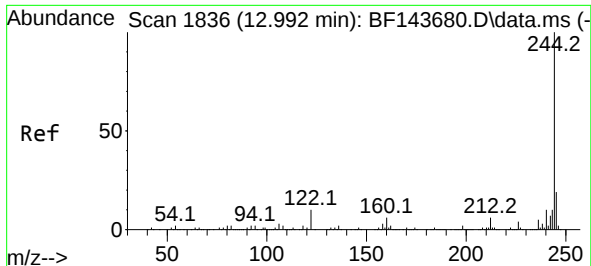
Tgt Ion:184 Resp: 27459  
Ion Ratio Lower Upper  
184 100  
185 17.3 11.5 17.3#  
183 12.2 9.4 14.2



#78  
Pyrene  
Concen: 8.900 ng  
RT: 12.845 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:202 Resp: 73617  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.6 24.8  
203 17.4 13.5 20.3

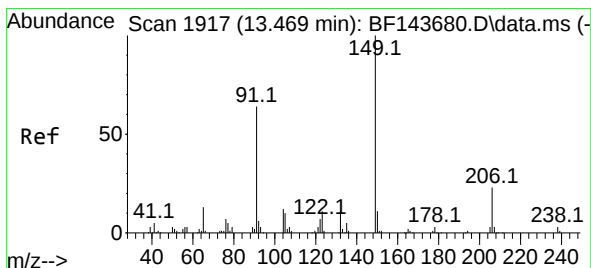
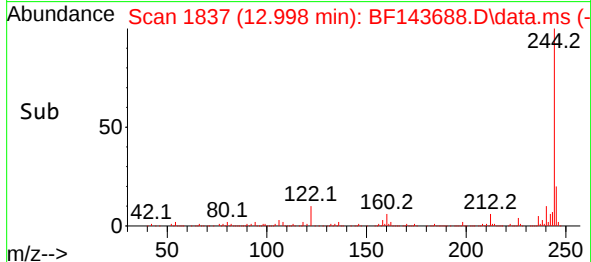
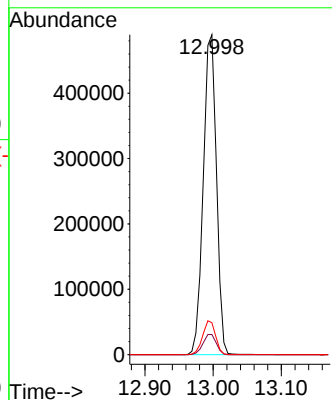
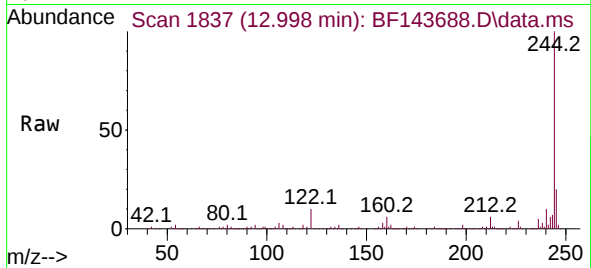




#79  
 Terphenyl-d14  
 Concen: 103.067 ng  
 RT: 12.998 min Scan# 1837  
 Delta R.T. 0.006 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

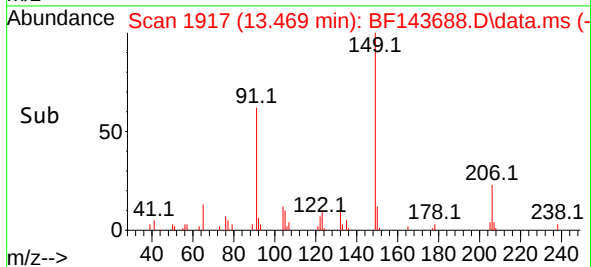
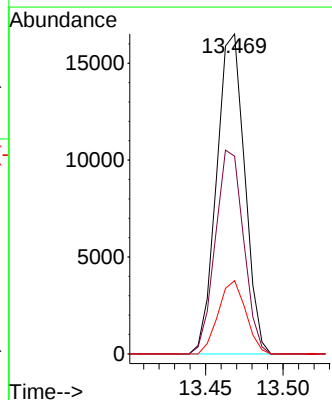
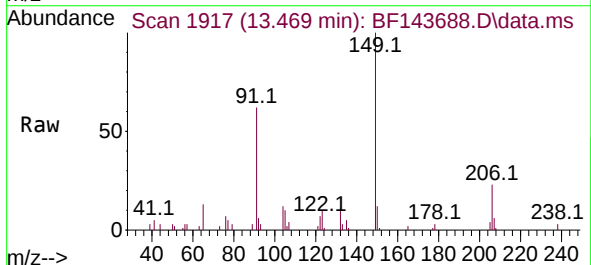
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

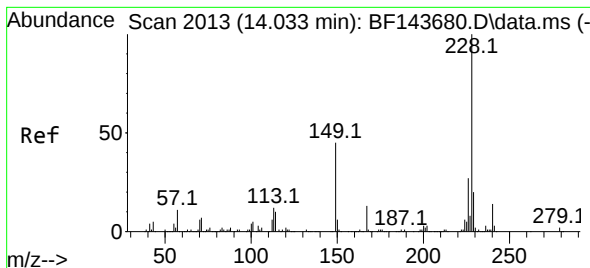
Tgt Ion:244 Resp: 657958  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.6  
 122 10.0 7.9 11.9



#80  
 Butylbenzylphthalate  
 Concen: 8.038 ng  
 RT: 13.469 min Scan# 1917  
 Delta R.T. 0.000 min  
 Lab File: BF143688.D  
 Acq: 09 Sep 2025 16:59

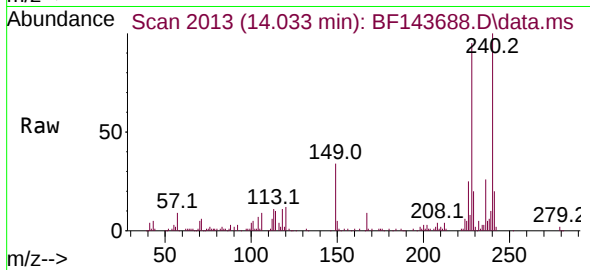
Tgt Ion:149 Resp: 20832  
 Ion Ratio Lower Upper  
 149 100  
 91 61.8 50.9 76.3  
 206 22.9 18.2 27.2



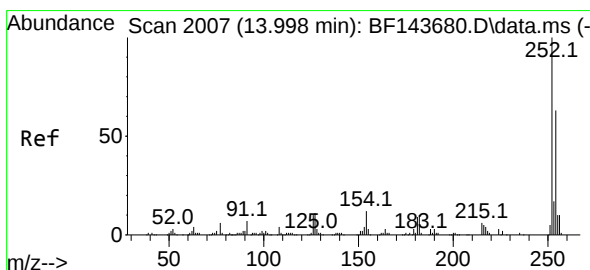
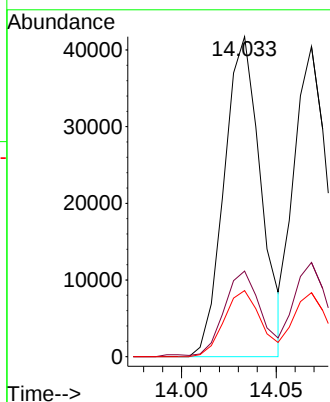
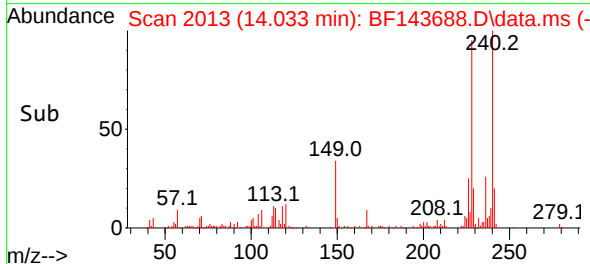


#81  
Benzo(a)anthracene  
Concen: 8.482 ng  
RT: 14.033 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

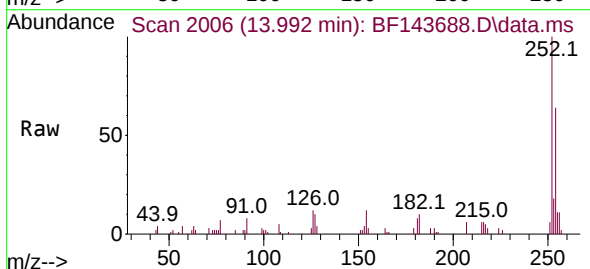
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025



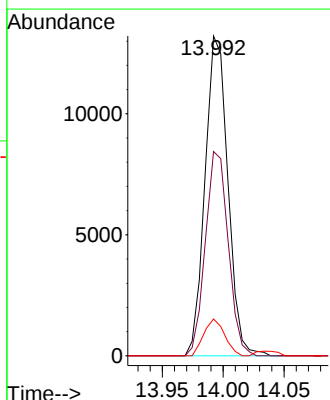
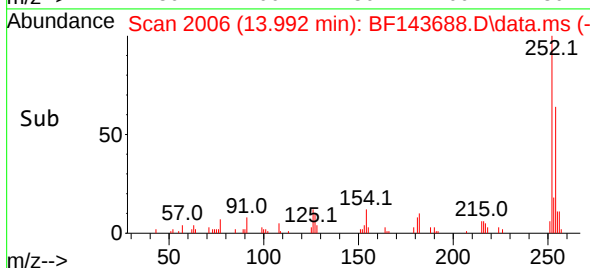
Tgt Ion:228 Resp: 56450  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.6 32.4  
229 20.6 15.7 23.5

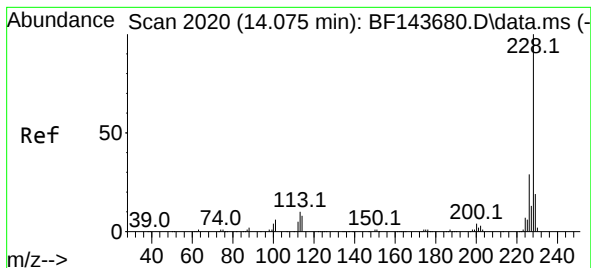


#82  
3,3'-Dichlorobenzidine  
Concen: 8.433 ng  
RT: 13.992 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59



Tgt Ion:252 Resp: 17266  
Ion Ratio Lower Upper  
252 100  
254 63.9 50.5 75.7  
126 11.5 8.2 12.4





#83

Chrysene

Concen: 8.135 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

Instrument :

BNA\_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

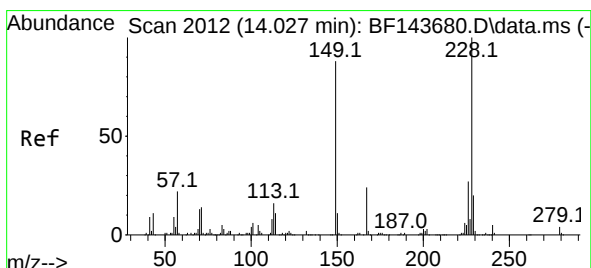
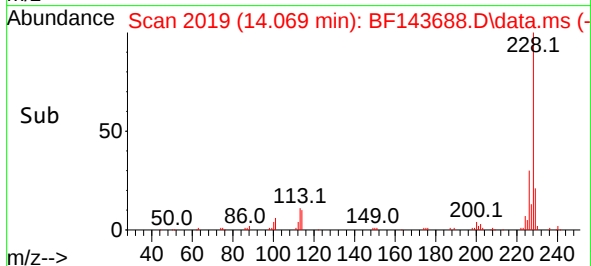
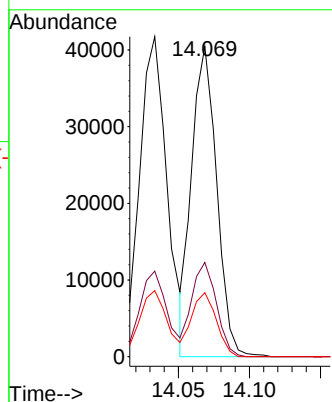
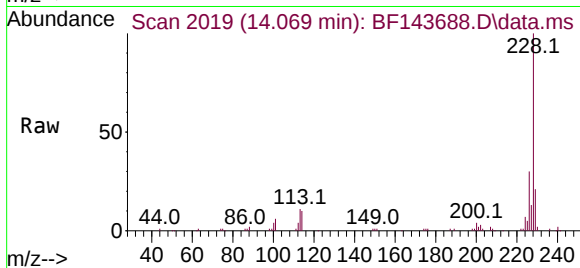
Tgt Ion:228 Resp: 49588

Ion Ratio Lower Upper

228 100

226 30.4 22.7 34.1

229 20.6 15.1 22.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.059 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF143688.D

Acq: 09 Sep 2025 16:59

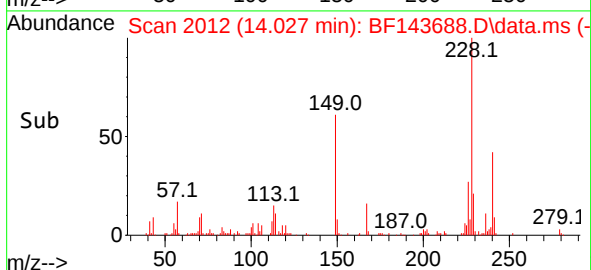
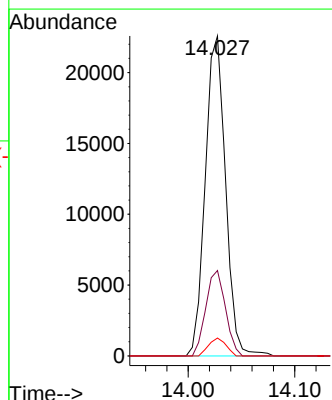
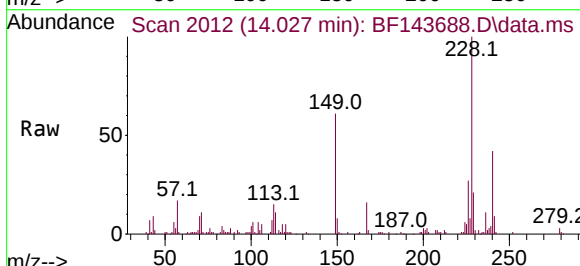
Tgt Ion:149 Resp: 29801

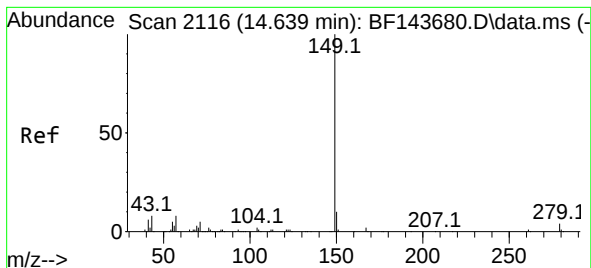
Ion Ratio Lower Upper

149 100

167 26.7 22.2 33.2

279 5.6 3.5 5.3#

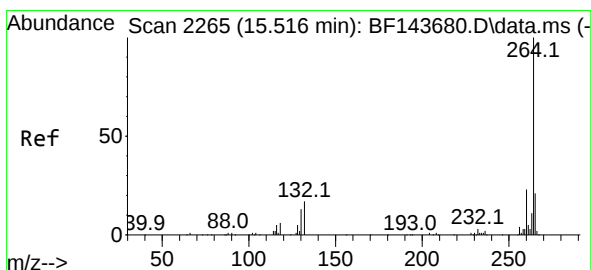
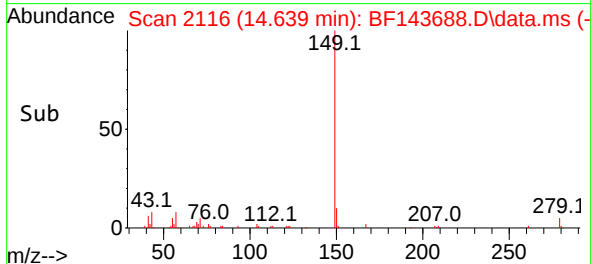
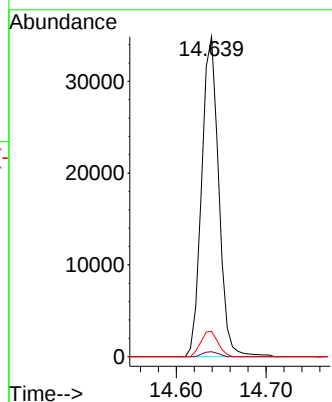
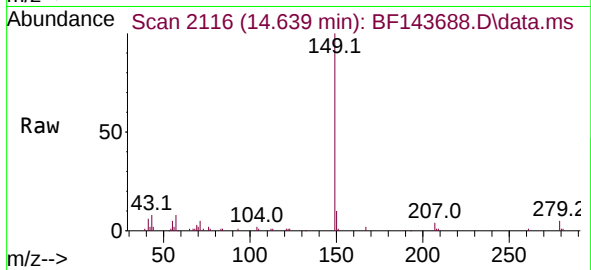




#85  
Di-n-octyl phthalate  
Concen: 6.957 ng  
RT: 14.639 min Scan# 2116  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

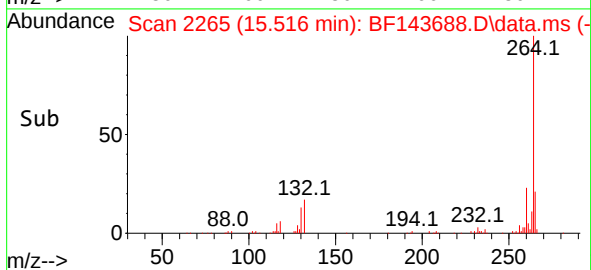
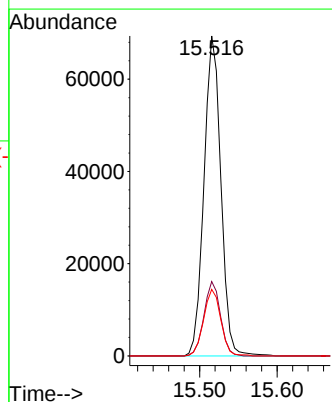
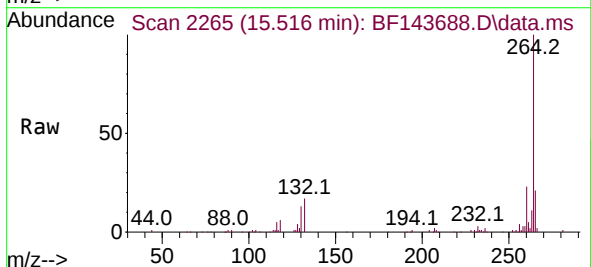
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

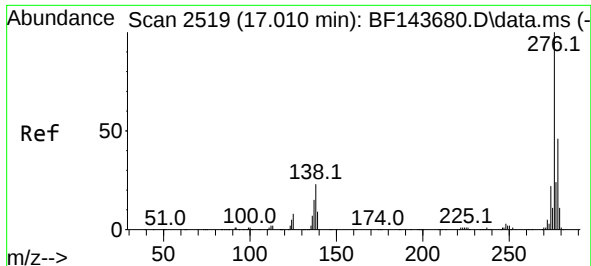
Tgt Ion:149 Resp: 46100  
Ion Ratio Lower Upper  
149 100  
167 1.4 1.2 1.8  
43 8.0 6.2 9.2



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.516 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:264 Resp: 105156  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.4 27.6  
265 20.8 17.1 25.7

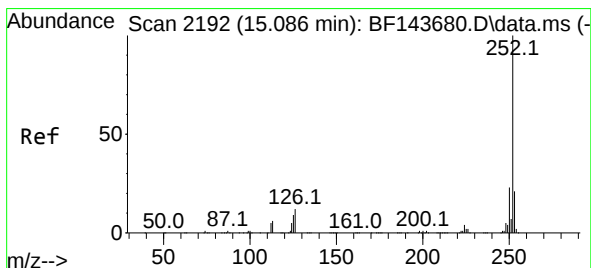
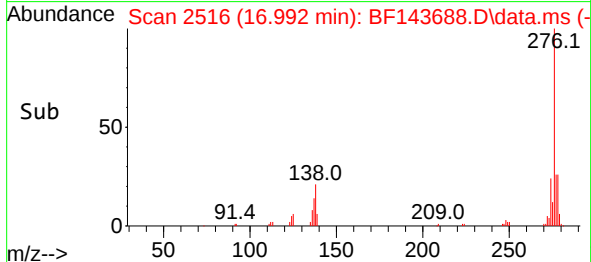
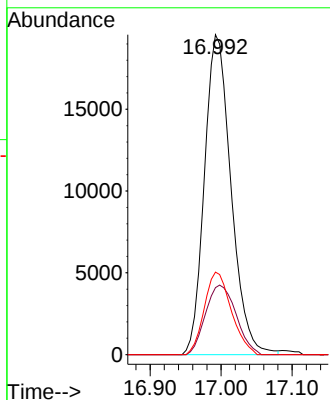
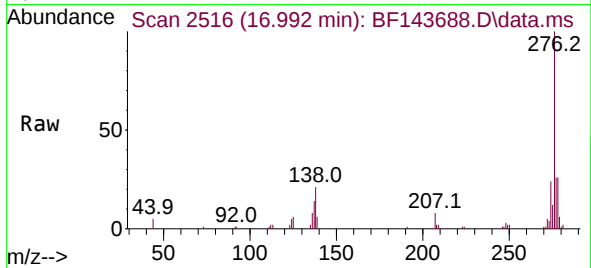




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 7.095 ng  
RT: 16.992 min Scan# 2116  
Delta R.T. -0.018 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

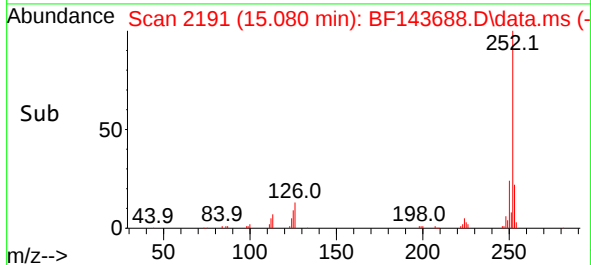
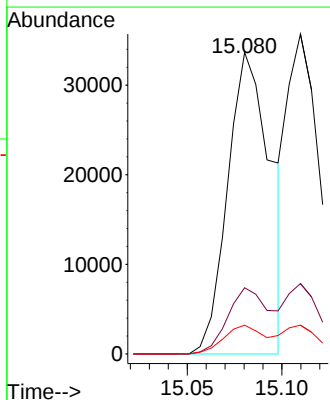
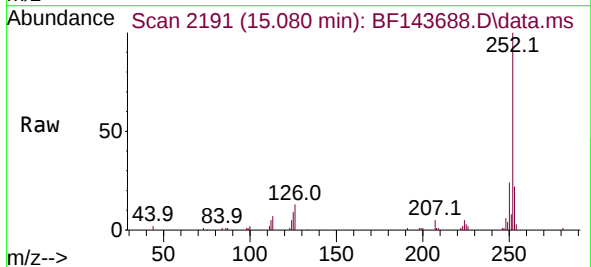
Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

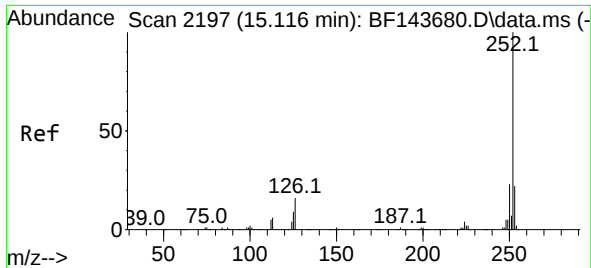
Tgt Ion:276 Resp: 50917  
Ion Ratio Lower Upper  
276 100  
138 24.9 19.7 29.5  
277 26.1 20.2 30.2



#88  
Benzo(b)fluoranthene  
Concen: 8.470 ng  
RT: 15.080 min Scan# 2191  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:252 Resp: 53022  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 9.5 7.4 11.0

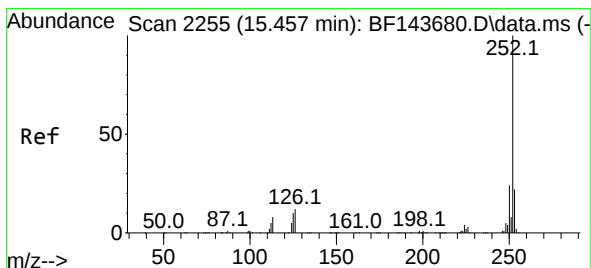
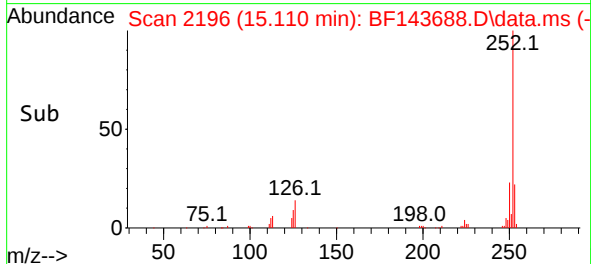
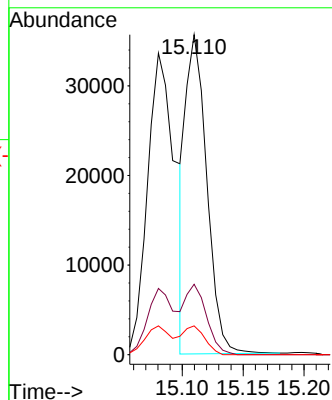
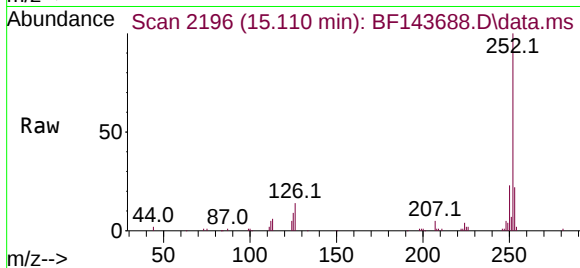




#89  
Benzo(k)fluoranthene  
Concen: 7.633 ng  
RT: 15.110 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

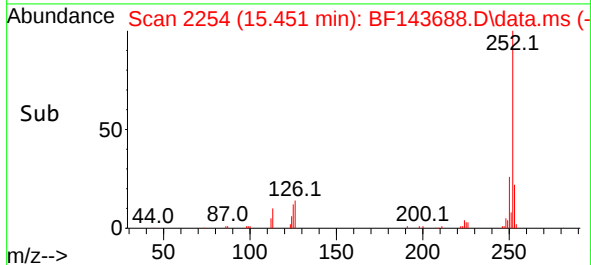
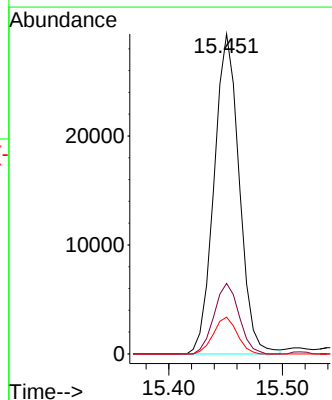
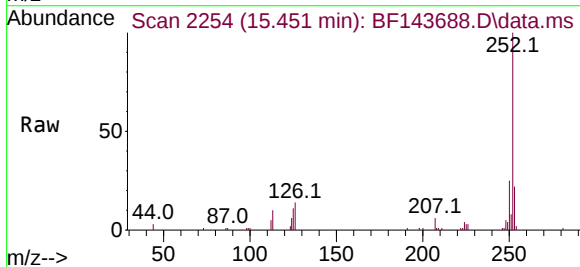
Instrument : BNA\_F  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

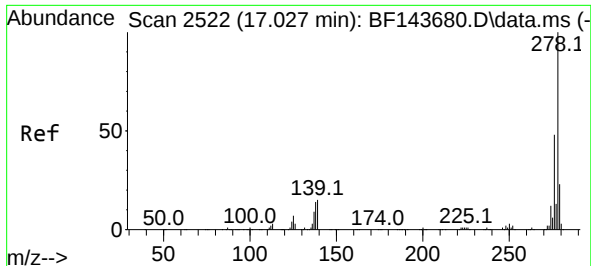
Tgt Ion:252 Resp: 43120  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 9.0 7.3 10.9



#90  
Benzo(a)pyrene  
Concen: 8.216 ng  
RT: 15.451 min Scan# 2254  
Delta R.T. -0.006 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:252 Resp: 45182  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.0  
125 11.5 8.2 12.4

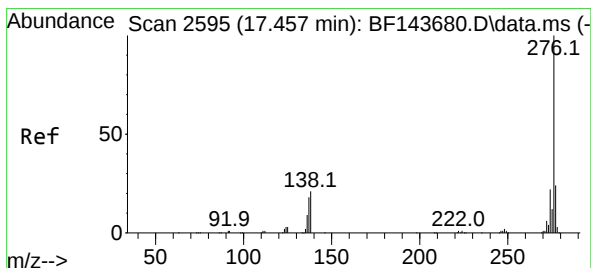
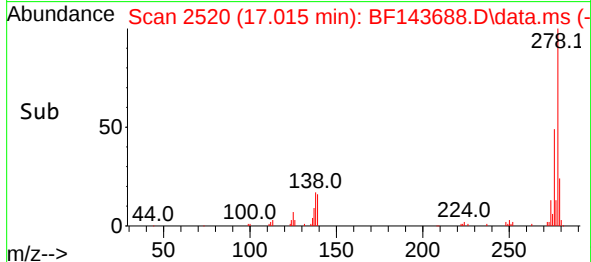
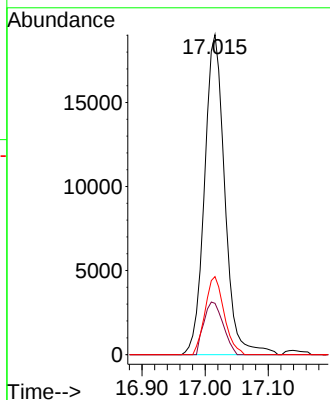
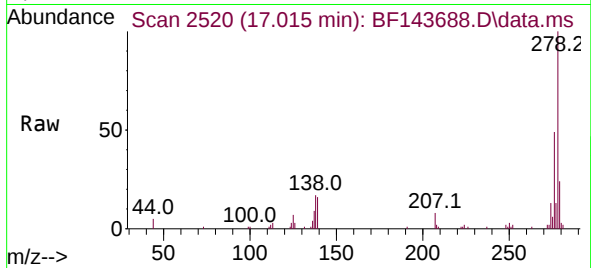




#91  
Dibenzo(a,h)anthracene  
Concen: 7.133 ng  
RT: 17.015 min Scan# 2520  
Delta R.T. -0.012 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:278 Resp: 42471  
Ion Ratio Lower Upper  
278 100  
139 16.0 12.2 18.4  
279 24.4 18.7 28.1



#92  
Benzo(g,h,i)perylene  
Concen: 7.212 ng  
RT: 17.439 min Scan# 2592  
Delta R.T. -0.018 min  
Lab File: BF143688.D  
Acq: 09 Sep 2025 16:59

Tgt Ion:276 Resp: 40168  
Ion Ratio Lower Upper  
276 100  
277 26.2 19.2 28.8  
138 21.8 17.0 25.4

