

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090425\  
 Data File : BF143637.D  
 Acq On : 04 Sep 2025 11:48  
 Operator : RC/JU  
 Sample : Q2893-02  
 Misc : LOQ-SOIL 2.5PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2025

Quant Time: Sep 04 19:56:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF090325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 03 18:35:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 74292    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 285930   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 167244   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 276609   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 192210   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 157085   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 550461   | 131.263 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 680724   | 130.786 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 365850   | 89.929  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 208346   | 148.974 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 809847   | 77.363  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 880798   | 76.354  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 5116     | 2.586   | ng    | 87       |
| 3) Pyridine                   | 3.510  | 79   | 11014    | 2.101   | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 4692     | 2.155   | ng    | # 86     |
| 6) Aniline                    | 6.551  | 93   | 17921    | 2.474   | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 11323    | 2.607   | ng    | 93       |
| 9) Benzaldehyde               | 6.440  | 77   | 9724     | 2.514   | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 14118    | 2.474   | ng    | # 48     |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 11377    | 2.546   | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 13428    | 2.505   | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 13320    | 2.478   | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 13007    | 2.557   | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 9329     | 2.359   | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 16930    | 2.407   | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 9099     | 2.396   | ng    | 96       |
| 18) Hexachloroethane          | 7.404  | 117  | 3940     | 2.349   | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 7982     | 2.408   | ng    | 95       |
| 22) Acetophenone              | 7.293  | 105  | 16588    | 2.565   | ng    | 96       |
| 24) Nitrobenzene              | 7.463  | 77   | 12381    | 2.846   | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 22054    | 2.406   | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 3293     | 5.022   | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 10525    | 2.637   | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 13648    | 2.435   | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 9113     | 2.327   | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 11093    | 2.599   | ng    | 98       |
| 31) Naphthalene               | 8.192  | 128  | 34725    | 2.483   | ng    | 99       |
| 32) Benzoic acid              | 7.810  | 122  | 10525    | 11.181  | ng    | # 12     |
| 33) 4-Chloroaniline           | 8.234  | 127  | 13505    | 2.789   | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 7242     | 2.608   | ng    | 96       |
| 35) Caprolactam               | 8.551  | 113  | 2169     | 2.067   | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 9124     | 2.225   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 20738    | 2.192   | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 22385    | 2.475   | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 11051    | 2.391   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 4782     | 2.131   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 6493     | 2.280   | ng    | 92       |
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 6857     | 2.332   | ng    | 96       |

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 ALS Vial : 4 Sample Multiplier: 1

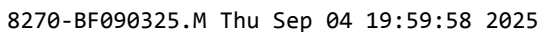
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2025

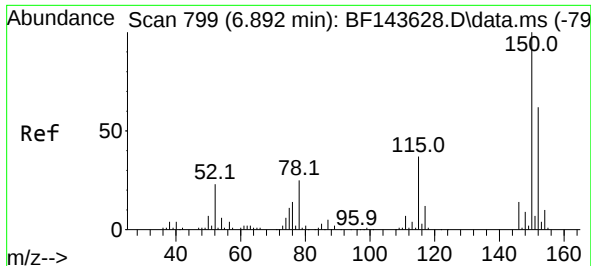
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 QLast Update : Wed Sep 03 18:35:49 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 30277    | 2.545 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 22965    | 2.467 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 4570     | 4.866 | ng    | 93       |
| 49) Acenaphthylene            | 9.786  | 152  | 35835    | 2.671 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 25865    | 2.442 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 4006     | 5.705 | ng    | 98       |
| 52) Acenaphthene              | 9.957  | 154  | 22009    | 2.453 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.863  | 138  | 3962     | 4.759 | ng    | 85       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 613      | 7.106 | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 33828    | 2.595 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 4552     | 5.473 | ng    | # 95     |
| 58) Fluorene                  | 10.469 | 166  | 25997    | 2.578 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 5423     | 2.429 | ng    | # 96     |
| 60) Diethylphthalate          | 10.339 | 149  | 24440    | 2.431 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 13346    | 2.652 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 4036     | 4.635 | ng    | 99       |
| 63) Azobenzene                | 10.628 | 77   | 22525    | 2.377 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 1030     | 9.257 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 21935    | 2.457 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 7748     | 2.415 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 7827     | 2.323 | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 6125     | 2.295 | ng    | 98       |
| 71) Phenanthrene              | 11.433 | 178  | 37643    | 2.517 | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 37950    | 2.530 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 32015    | 2.532 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 33294    | 2.345 | ng    | 99       |
| 75) Fluoranthene              | 12.622 | 202  | 36454    | 2.654 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 11158    | 2.537 | ng    | 97       |
| 78) Pyrene                    | 12.851 | 202  | 35303    | 2.226 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 8162     | 4.803 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 31530    | 2.533 | ng    | 98       |
| 83) Chrysene                  | 14.069 | 228  | 25502    | 2.279 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 10654    | 4.309 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.004 | 276  | 23495    | 2.145 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 19859    | 2.098 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 21246    | 2.596 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 18733    | 2.303 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 19446    | 2.159 | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 19365    | 2.232 | ng    | 97       |

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

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QLast Update : Wed Sep 03 18:35:49 2025  
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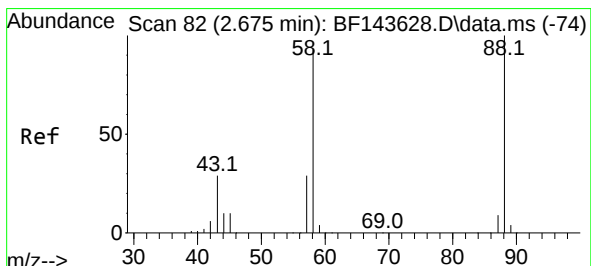
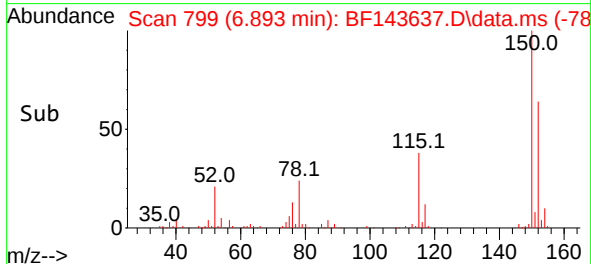
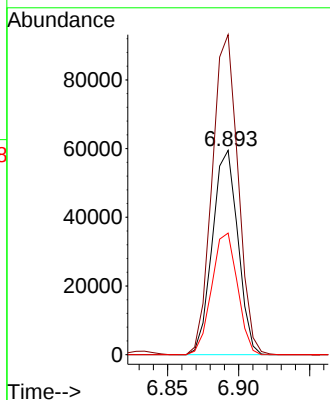
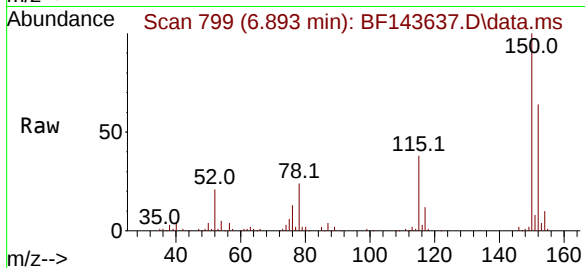




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.893 min Scan# 799  
 Delta R.T. 0.001 min  
 Lab File: BF143637.D  
 Acq: 04 Sep 2025 11:48

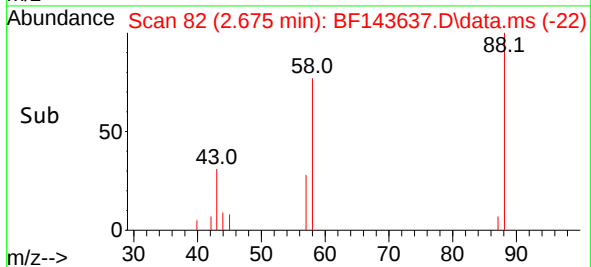
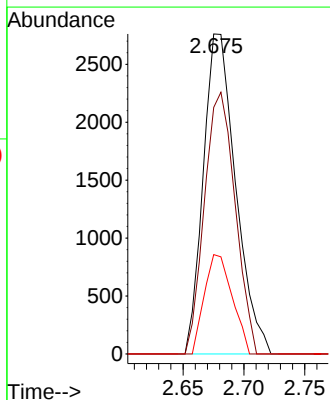
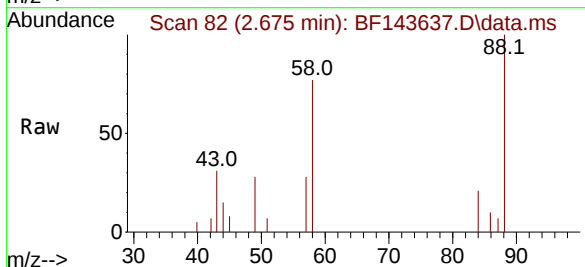
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2025

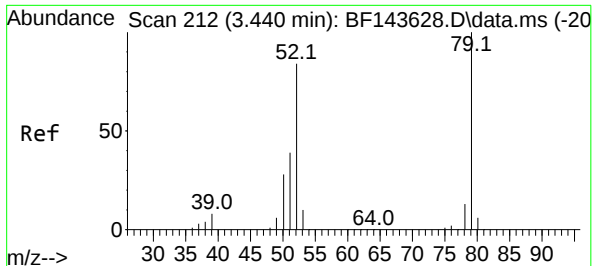
Tgt Ion:152 Resp: 74292  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 128.4 192.6  
 115 59.6 47.9 71.9



#2  
 1,4-Dioxane  
 Concen: 2.586 ng  
 RT: 2.675 min Scan# 82  
 Delta R.T. 0.000 min  
 Lab File: BF143637.D  
 Acq: 04 Sep 2025 11:48

Tgt Ion: 88 Resp: 5116  
 Ion Ratio Lower Upper  
 88 100  
 58 77.4 73.9 110.9  
 43 26.6 23.4 35.2

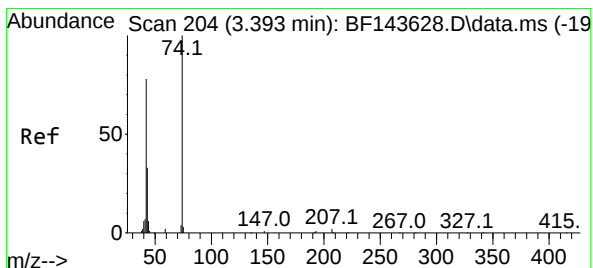
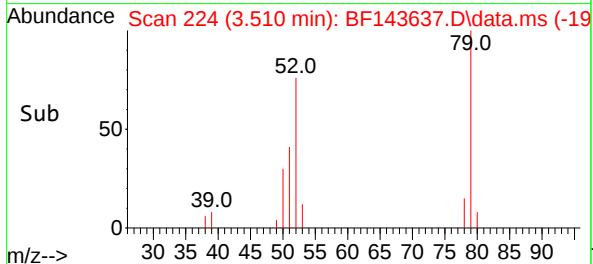
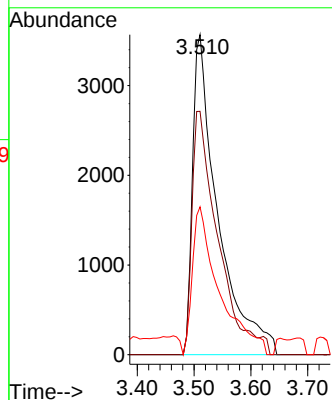
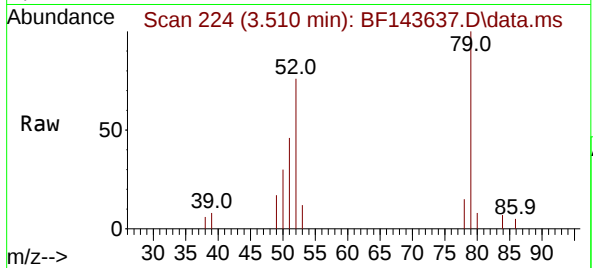




#3  
Pyridine  
Concen: 2.101 ng  
RT: 3.510 min Scan# 21  
Delta R.T. 0.071 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

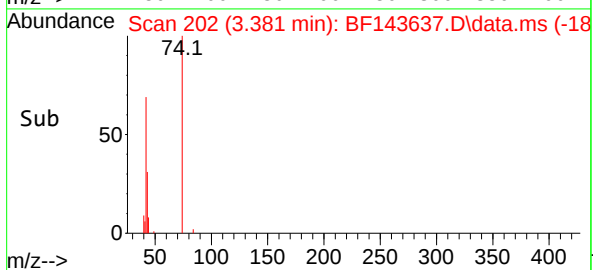
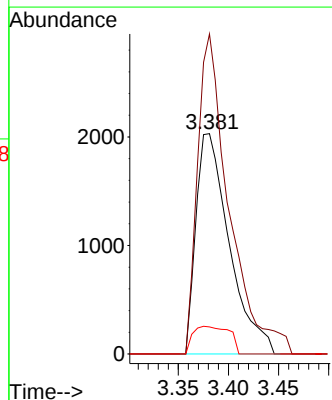
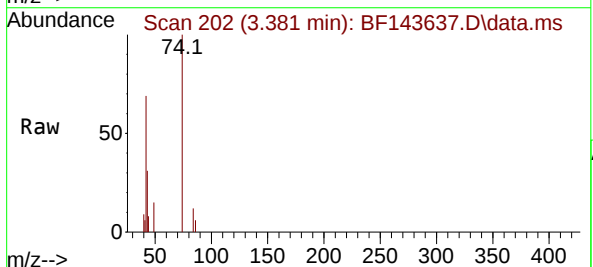
Instrument :  
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ClientSampleId :  
LOQ-SOIL-02-QT3-2025

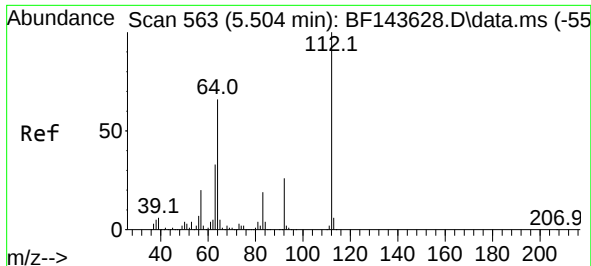
Tgt Ion: 79 Resp: 11014  
Ion Ratio Lower Upper  
79 100  
52 76.1 67.4 101.2  
51 46.2 31.0 46.6



#4  
n-Nitrosodimethylamine  
Concen: 2.155 ng  
RT: 3.381 min Scan# 202  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion: 42 Resp: 4692  
Ion Ratio Lower Upper  
42 100  
74 145.3 102.9 154.3  
44 12.3 6.5 9.7#

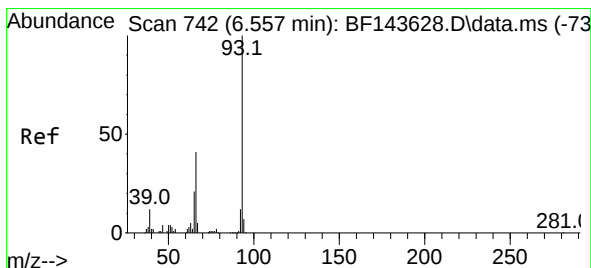
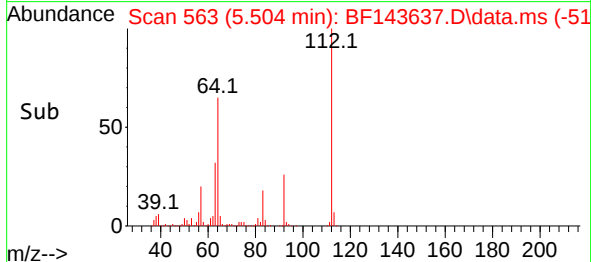
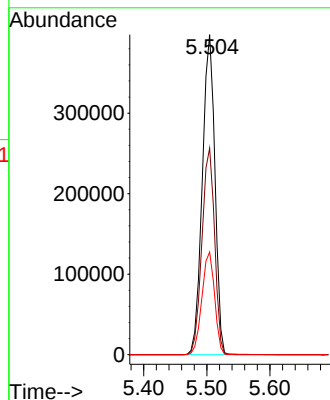
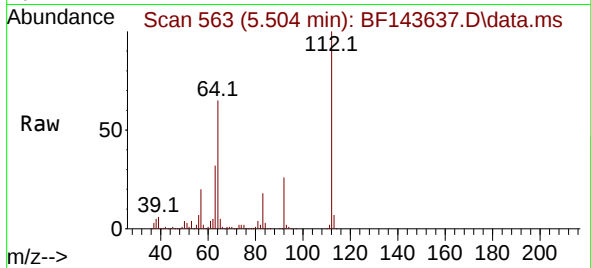




#5  
2-Fluorophenol  
Concen: 131.263 ng  
RT: 5.504 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

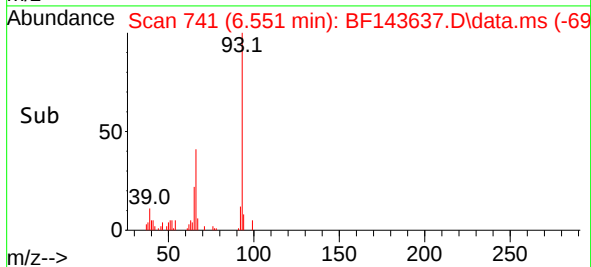
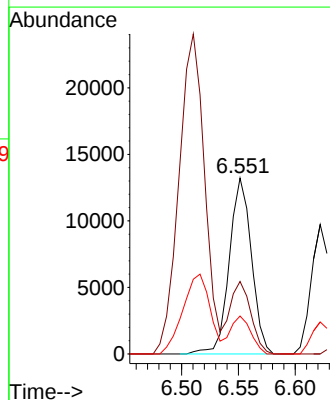
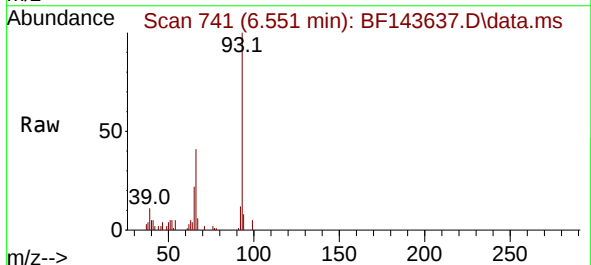
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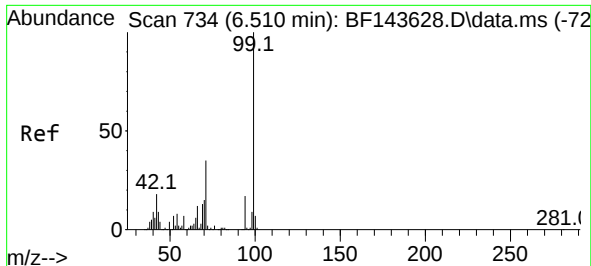
Tgt Ion:112 Resp: 550461  
Ion Ratio Lower Upper  
112 100  
64 64.5 52.7 79.1  
63 32.1 26.5 39.7



#6  
Aniline  
Concen: 2.474 ng  
RT: 6.551 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
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Tgt Ion: 93 Resp: 17921  
Ion Ratio Lower Upper  
93 100  
66 41.2 34.6 51.8  
65 21.5 16.9 25.3

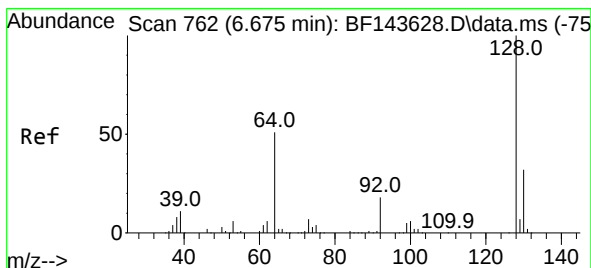
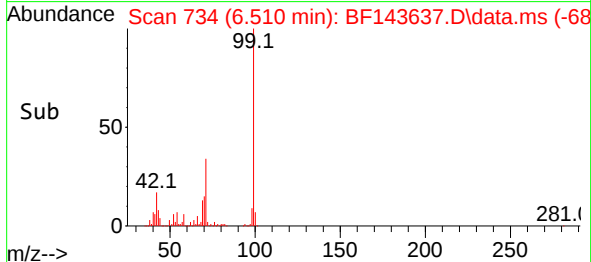
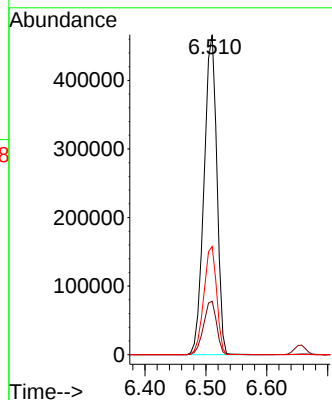
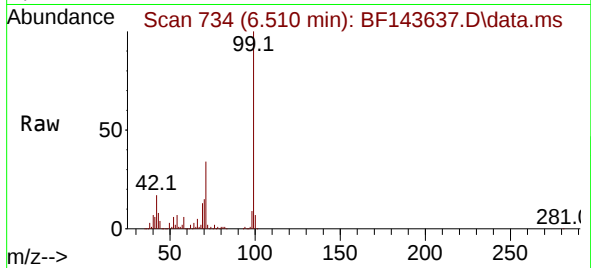




#7  
Phenol-d6  
Concen: 130.786 ng  
RT: 6.510 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

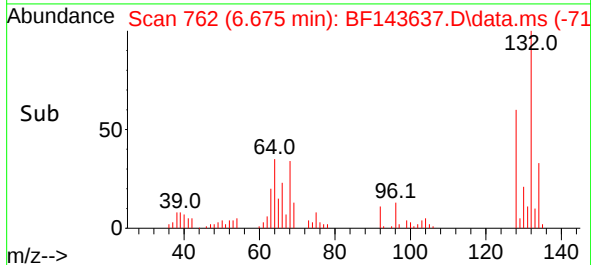
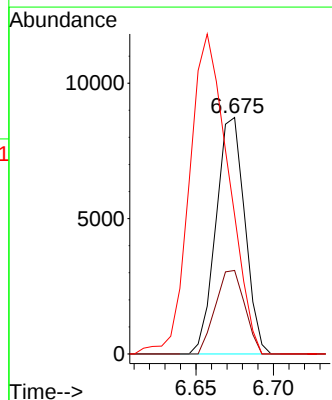
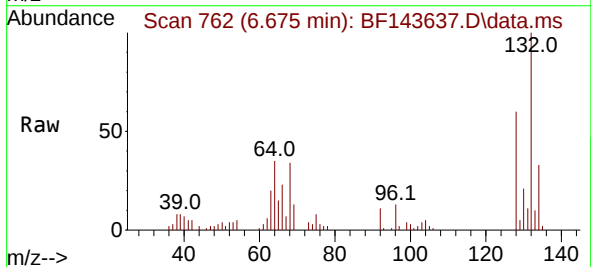
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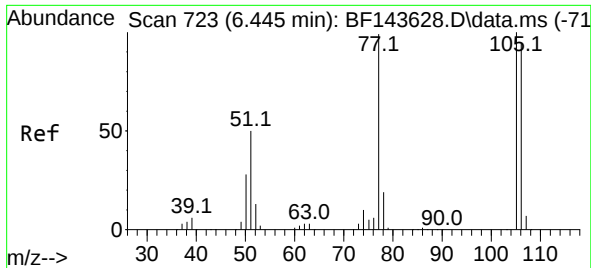
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Ion Ratio Lower Upper  
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42 16.7 14.6 22.0  
71 33.8 28.0 42.0



#8  
2-Chlorophenol  
Concen: 2.607 ng  
RT: 6.675 min Scan# 762  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:128 Resp: 11323  
Ion Ratio Lower Upper  
128 100  
130 35.3 12.3 52.3  
64 58.8 32.9 72.9





#9

Benzaldehyde

Concen: 2.514 ng

RT: 6.440 min Scan# 71

Delta R.T. -0.005 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

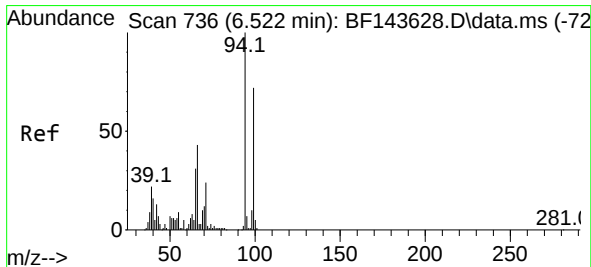
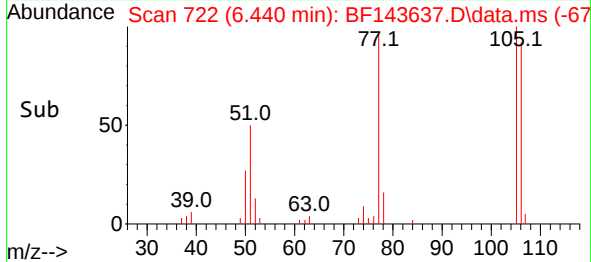
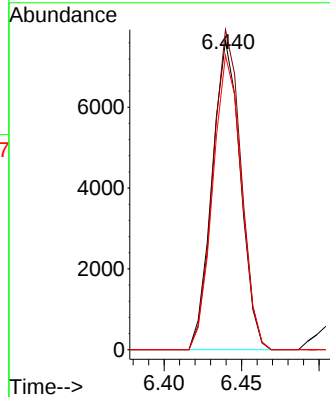
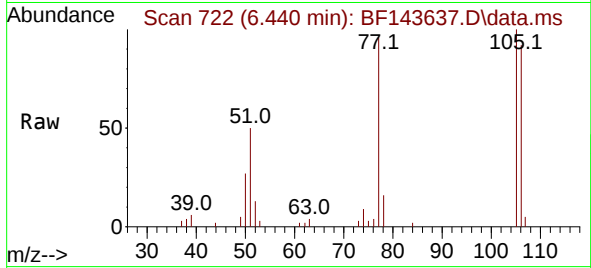
Tgt Ion: 77 Resp: 9724

Ion Ratio Lower Upper

77 100

105 103.6 80.9 120.9

106 95.4 75.1 115.1



#10

Phenol

Concen: 2.474 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

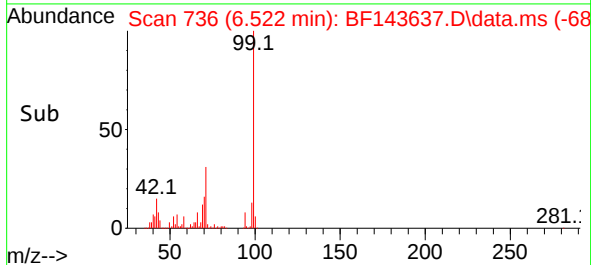
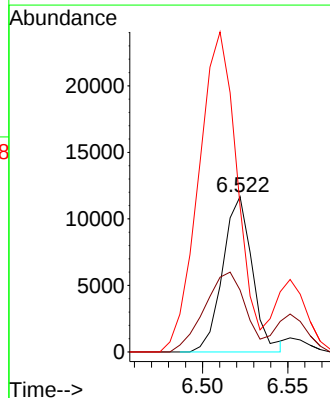
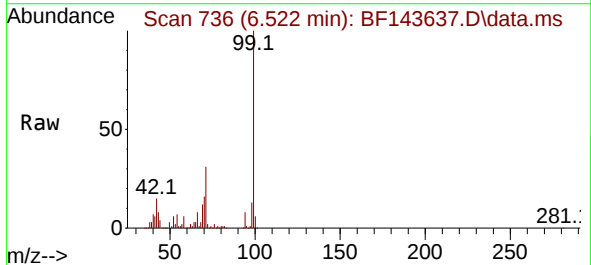
Tgt Ion: 94 Resp: 14118

Ion Ratio Lower Upper

94 100

65 39.9 11.4 51.4

66 93.9 23.7 63.7#

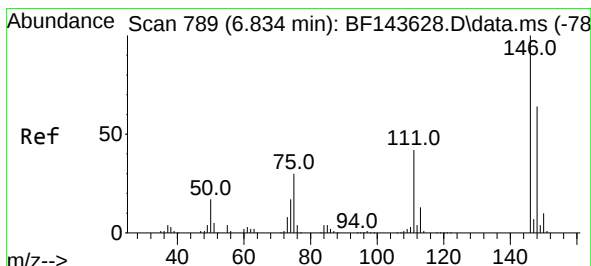
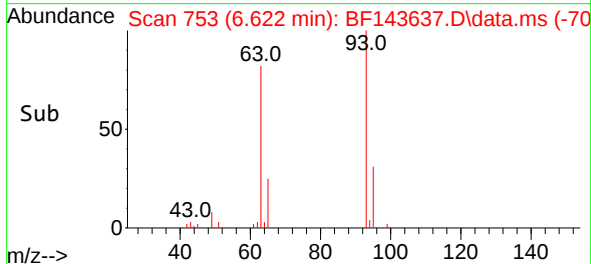
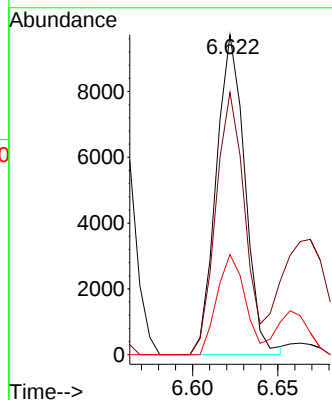
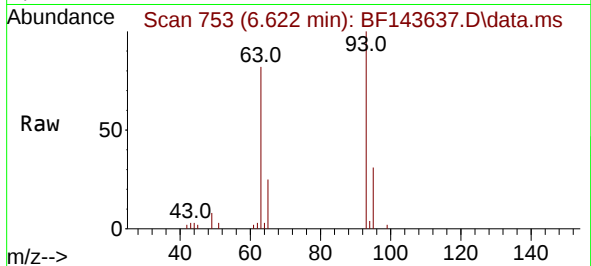




#11  
bis(2-Chloroethyl)ether  
Concen: 2.546 ng  
RT: 6.622 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

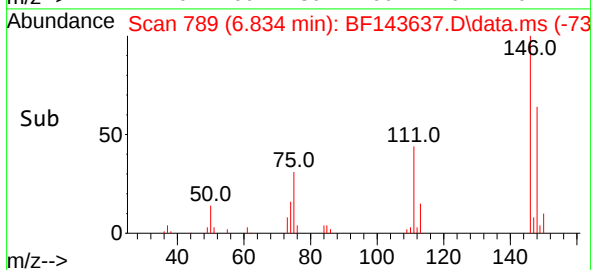
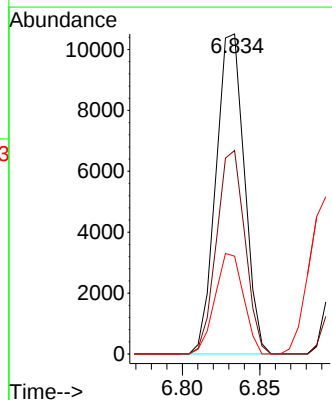
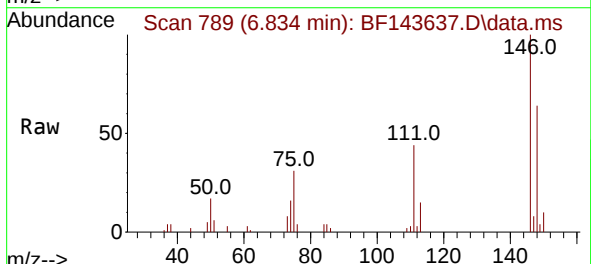
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

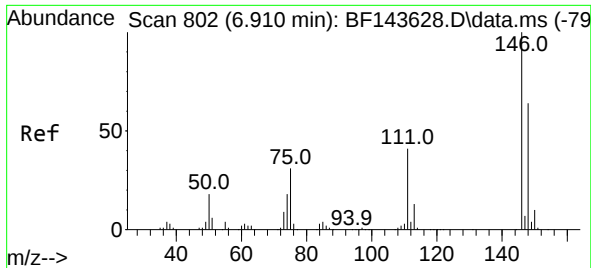
Tgt Ion: 93 Resp: 11377  
Ion Ratio Lower Upper  
93 100  
63 81.9 66.5 106.5  
95 31.3 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 2.505 ng  
RT: 6.834 min Scan# 789  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:146 Resp: 13428  
Ion Ratio Lower Upper  
146 100  
148 63.6 50.9 76.3  
75 30.5 24.2 36.2

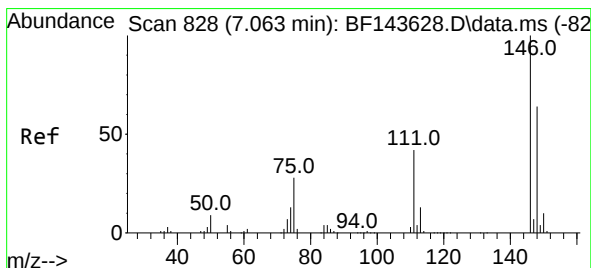
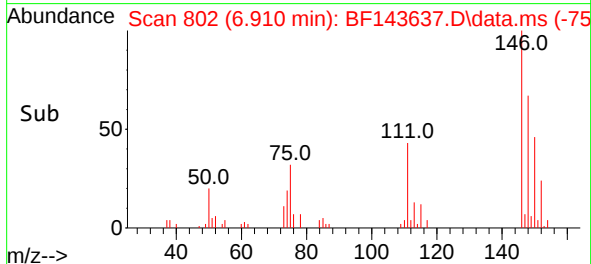
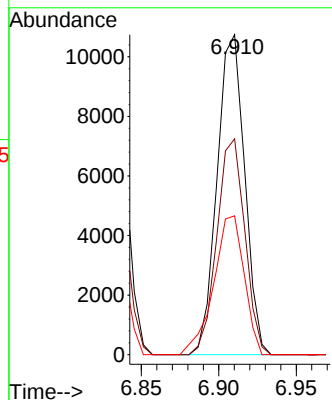
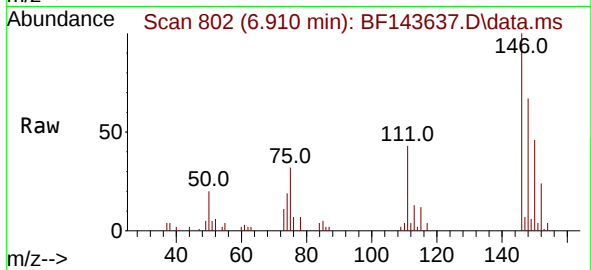




#13  
1,4-Dichlorobenzene  
Concen: 2.478 ng  
RT: 6.910 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

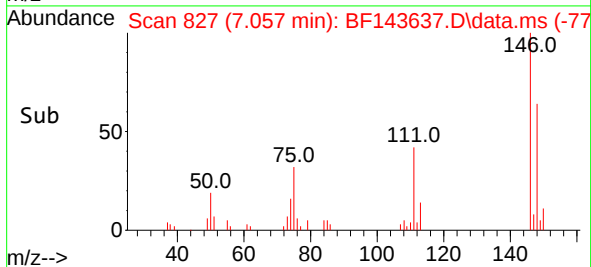
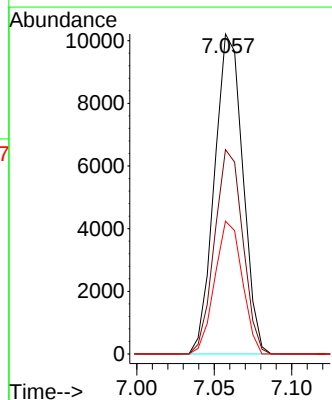
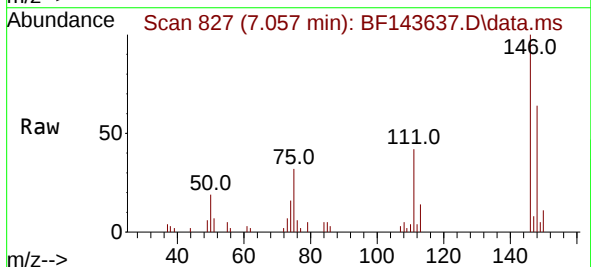
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

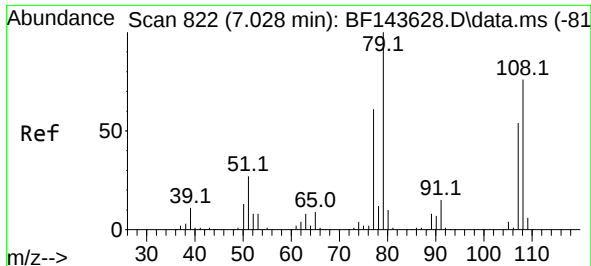
Tgt Ion:146 Resp: 13320  
Ion Ratio Lower Upper  
146 100  
148 67.5 51.4 77.2  
111 43.4 33.1 49.7



#14  
1,2-Dichlorobenzene  
Concen: 2.557 ng  
RT: 7.057 min Scan# 827  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:146 Resp: 13007  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.2 76.8  
111 41.5 33.9 50.9

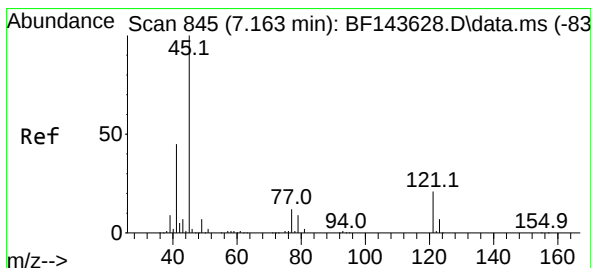
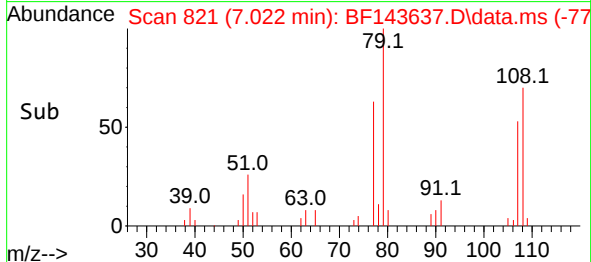
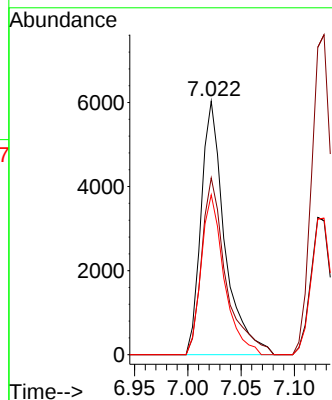
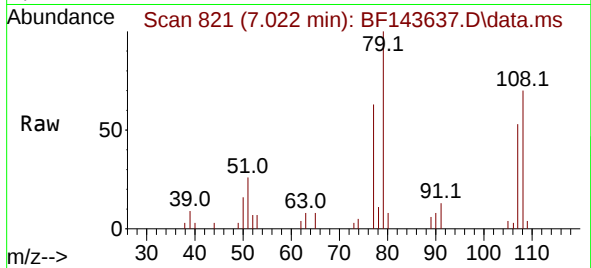




#15  
Benzyl Alcohol  
Concen: 2.359 ng  
RT: 7.022 min Scan# 821  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

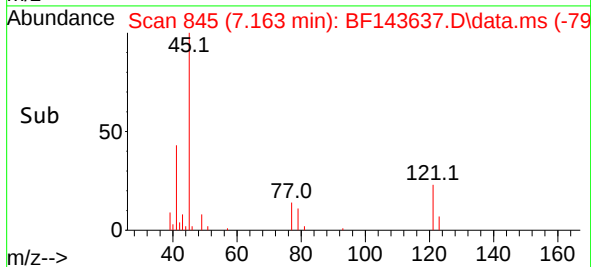
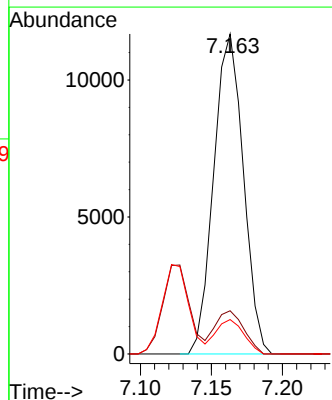
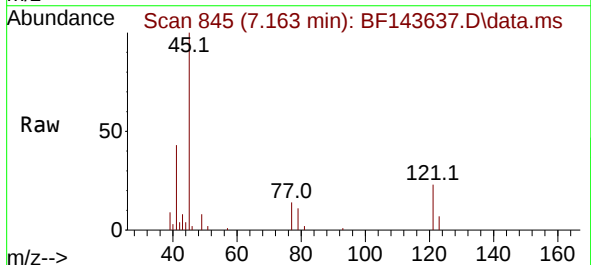
Instrument :  
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ClientSampleId :  
LOQ-SOIL-02-QT3-2025

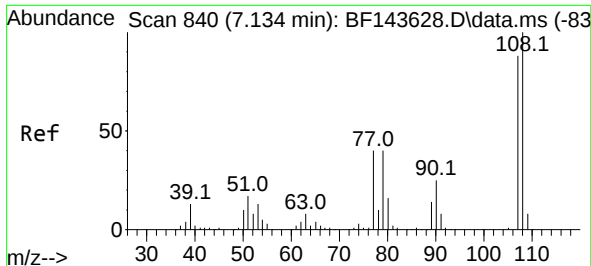
Tgt Ion: 79 Resp: 9329  
Ion Ratio Lower Upper  
79 100  
108 69.7 60.9 91.3  
77 63.0 48.4 72.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 2.407 ng  
RT: 7.163 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion: 45 Resp: 16930  
Ion Ratio Lower Upper  
45 100  
77 13.5 0.0 33.5  
79 10.8 0.0 29.8

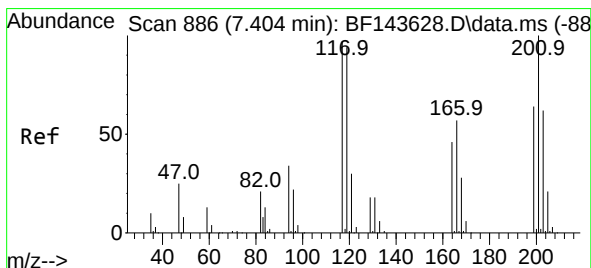
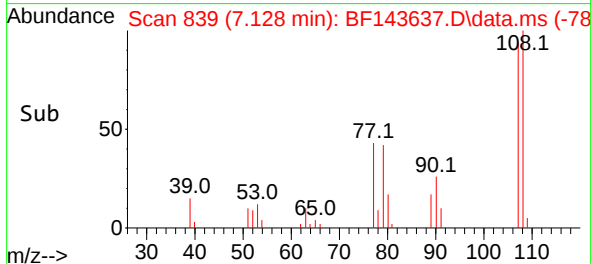
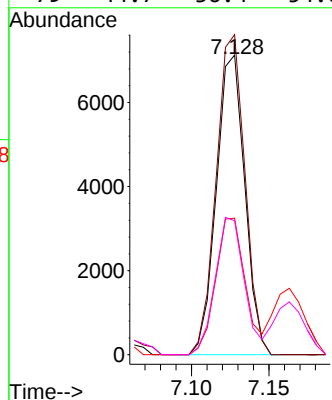
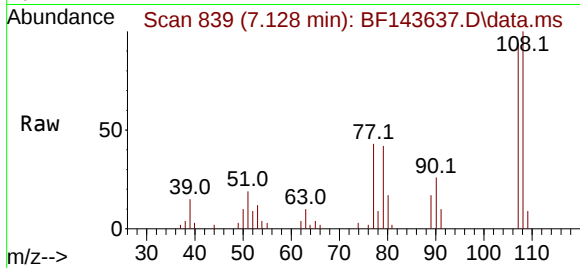




#17  
2-Methylphenol  
Concen: 2.396 ng  
RT: 7.128 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

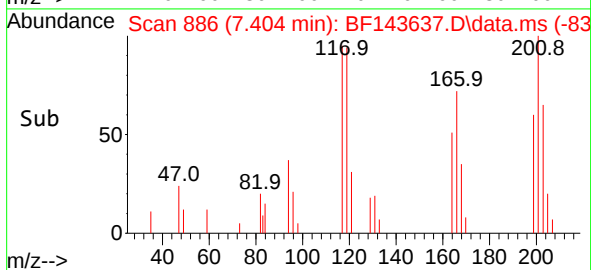
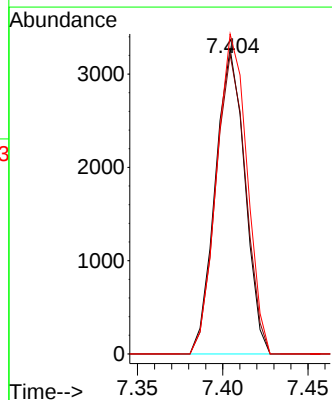
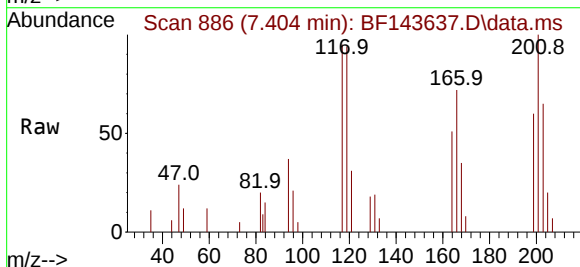
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 9099  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 106.8 | 90.5  | 135.7 |
| 77       | 45.6  | 35.9  | 53.9  |
| 79       | 44.7  | 36.4  | 54.6  |



#18  
Hexachloroethane  
Concen: 2.349 ng  
RT: 7.404 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 3940  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.1  | 77.7  | 116.5 |
| 201      | 104.8 | 82.7  | 124.1 |

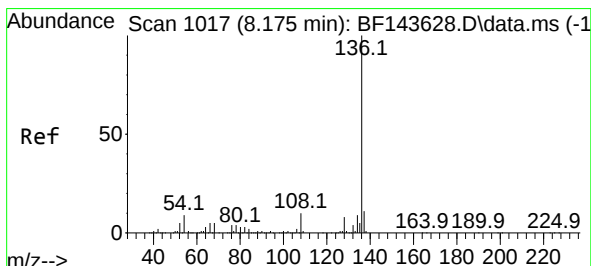
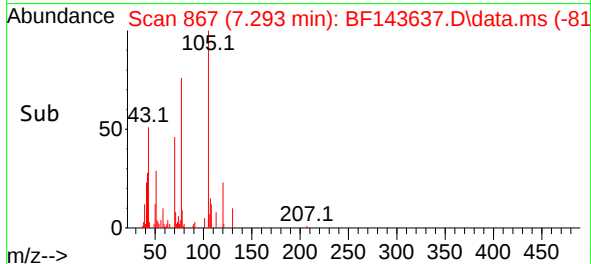
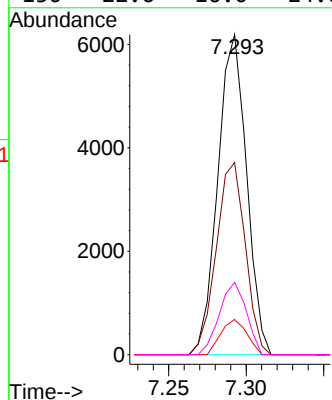
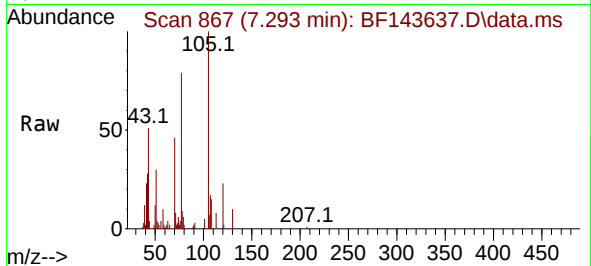




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.408 ng  
RT: 7.293 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

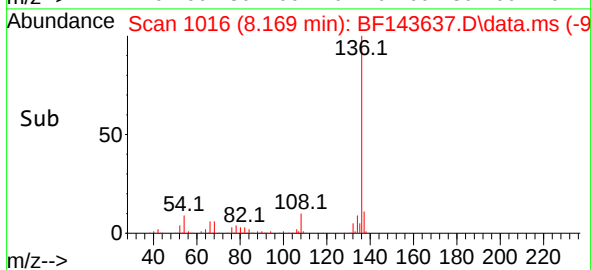
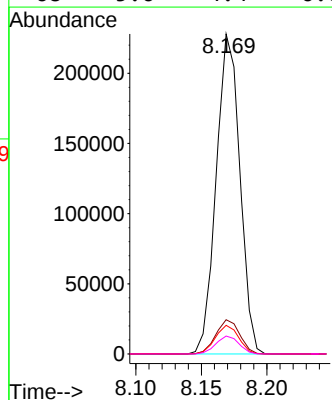
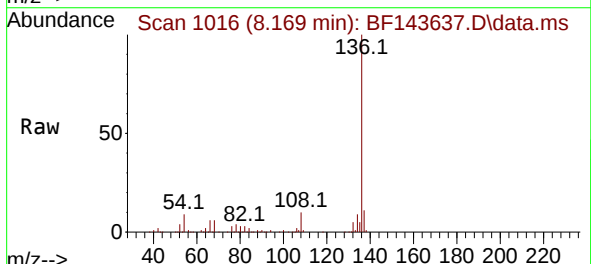
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

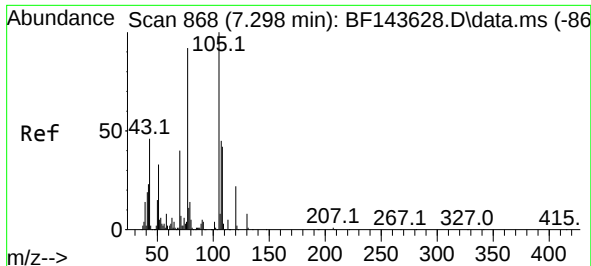
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 7982  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 60.0  | 45.2  | 67.8  |
| 101      | 11.0  | 7.6   | 11.4  |
| 130      | 22.6  | 16.0  | 24.0  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 285930 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 12.8   |
| 54       | 8.9   | 7.3   | 10.9   |
| 68       | 5.6   | 4.4   | 6.6    |

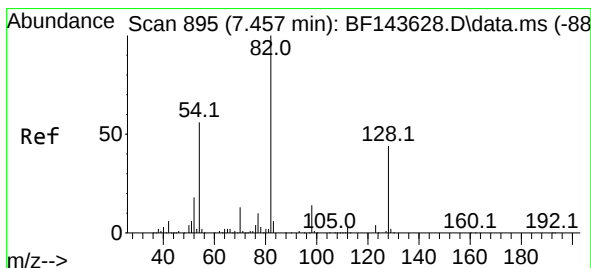
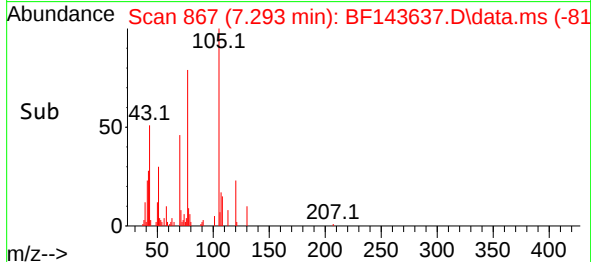
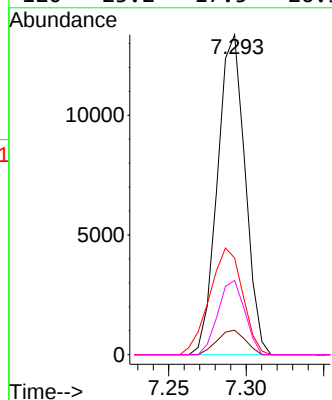
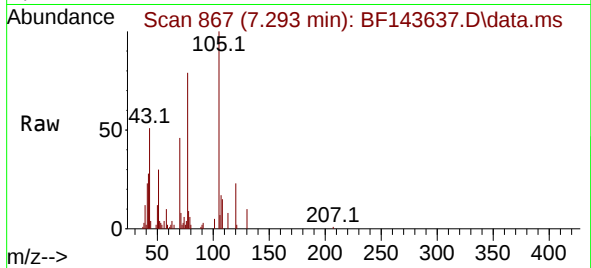




#22  
Acetophenone  
Concen: 2.565 ng  
RT: 7.293 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

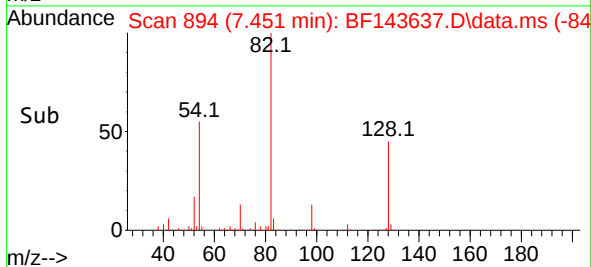
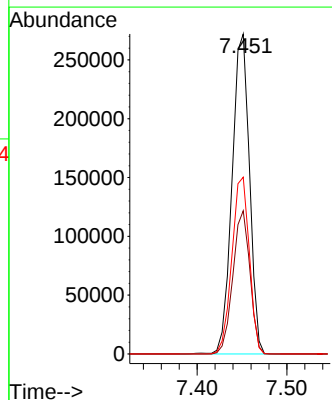
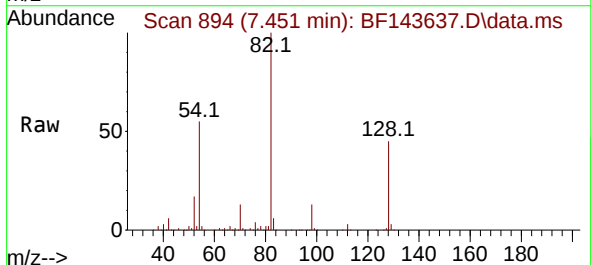
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

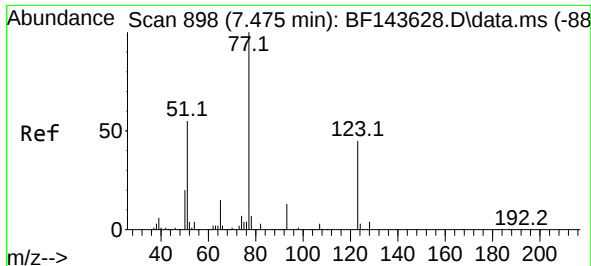
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 16588 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 7.6   | 5.3   | 7.9   |
| 51        | 30.2  | 26.7  | 40.1  |
| 120       | 23.2  | 17.5  | 26.3  |



#23  
Nitrobenzene-d5  
Concen: 89.929 ng  
RT: 7.451 min Scan# 894  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 365850 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.8  | 34.7  | 52.1   |
| 54        | 55.3  | 44.8  | 67.2   |

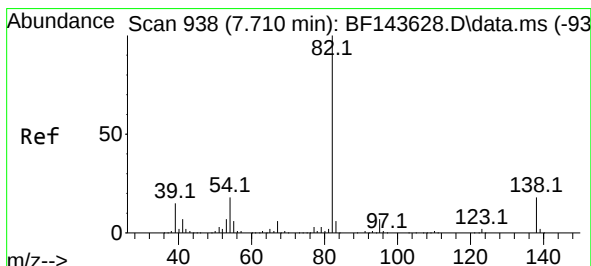
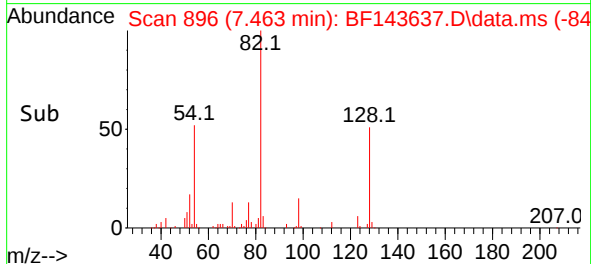
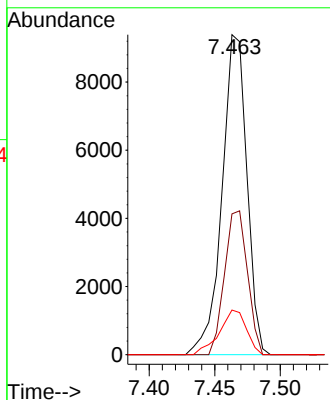
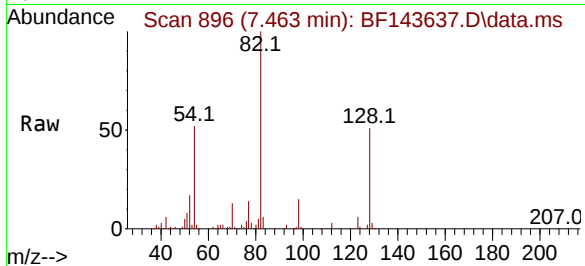




#24  
Nitrobenzene  
Concen: 2.846 ng  
RT: 7.463 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

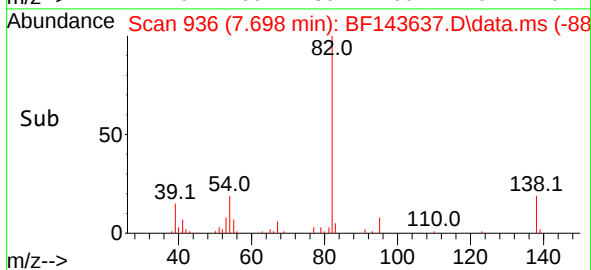
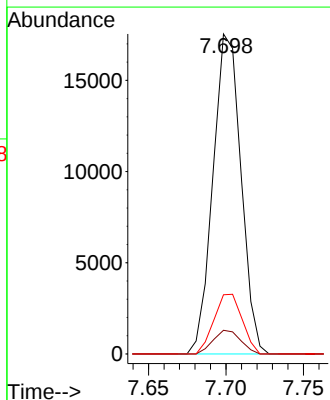
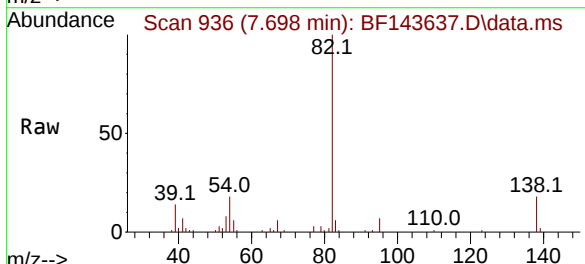
Instrument :  
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ClientSampleId :  
LOQ-SOIL-02-QT3-2025

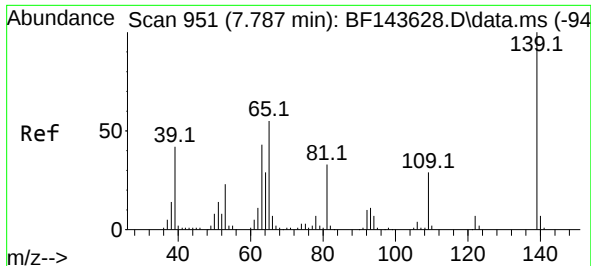
Tgt Ion: 77 Resp: 12381  
Ion Ratio Lower Upper  
77 100  
123 44.0 36.2 54.4  
65 13.9 11.8 17.8



#25  
Isophorone  
Concen: 2.406 ng  
RT: 7.698 min Scan# 936  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion: 82 Resp: 22054  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.8 8.8  
138 18.5 14.2 21.2

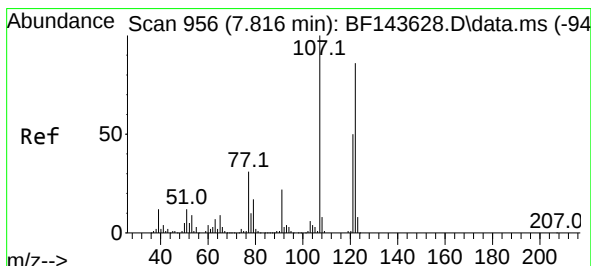
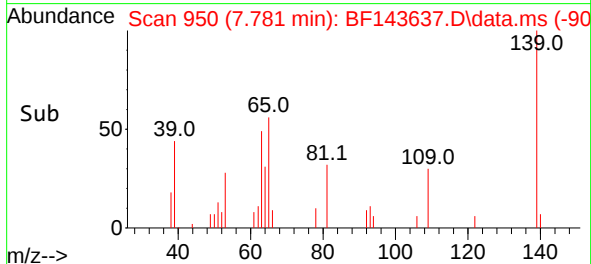
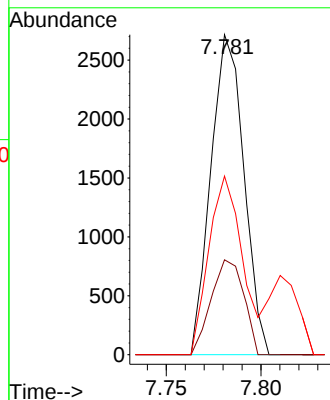
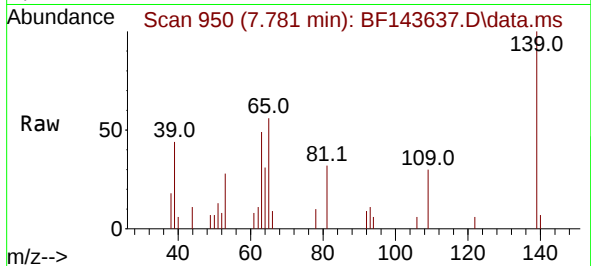




#26  
2-Nitrophenol  
Concen: 5.022 ng  
RT: 7.781 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

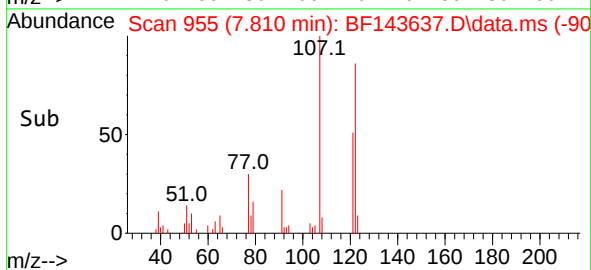
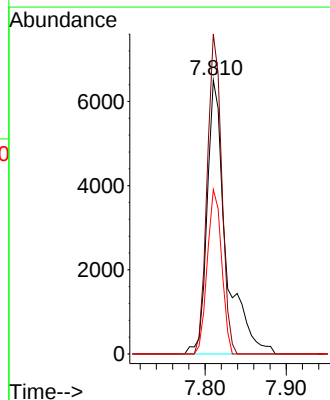
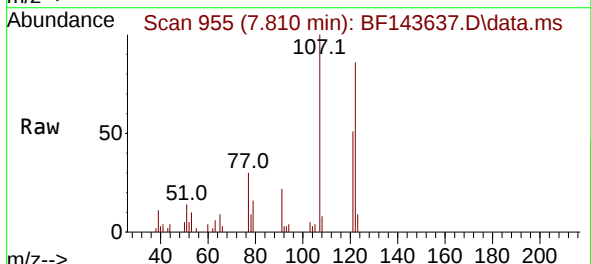
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

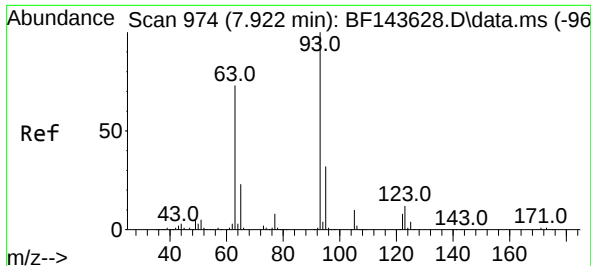
Tgt Ion:139 Resp: 3293  
Ion Ratio Lower Upper  
139 100  
109 29.7 23.5 35.3  
65 55.8 44.1 66.1



#27  
2,4-Dimethylphenol  
Concen: 2.637 ng  
RT: 7.810 min Scan# 955  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:122 Resp: 10525  
Ion Ratio Lower Upper  
122 100  
107 116.9 93.4 140.0  
121 60.1 46.9 70.3

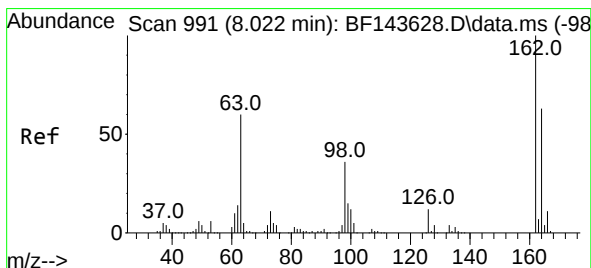
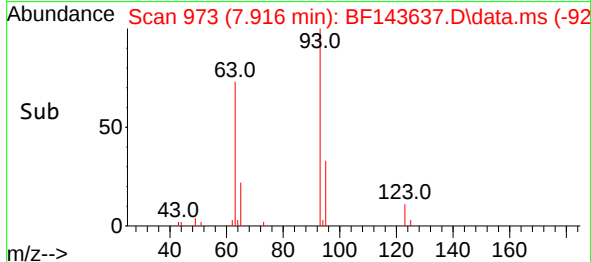
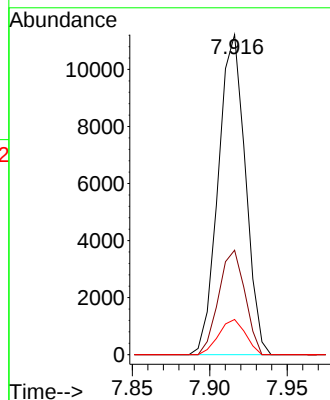
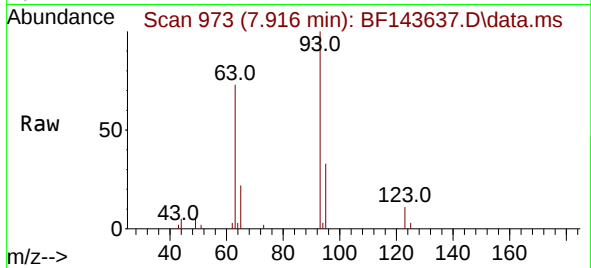




#28  
bis(2-Chloroethoxy)methane  
Concen: 2.435 ng  
RT: 7.916 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

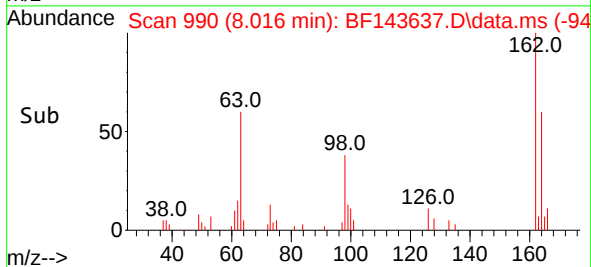
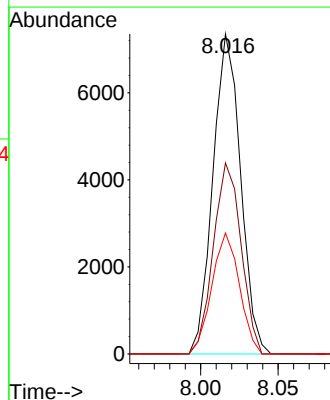
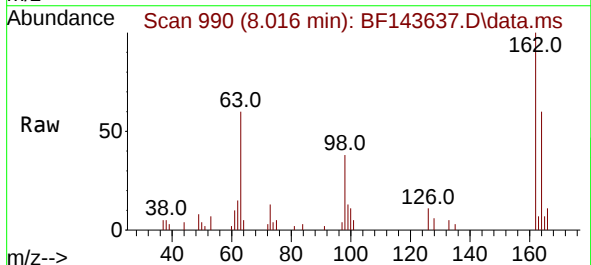
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

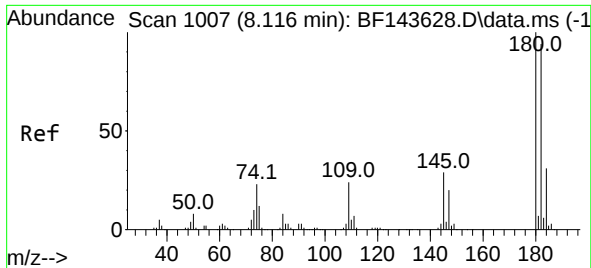
Tgt Ion: 93 Resp: 13648  
Ion Ratio Lower Upper  
93 100  
95 32.6 25.8 38.8  
123 11.0 9.6 14.4



#29  
2,4-Dichlorophenol  
Concen: 2.327 ng  
RT: 8.016 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:162 Resp: 9113  
Ion Ratio Lower Upper  
162 100  
164 59.7 42.9 82.9  
98 37.8 15.9 55.9

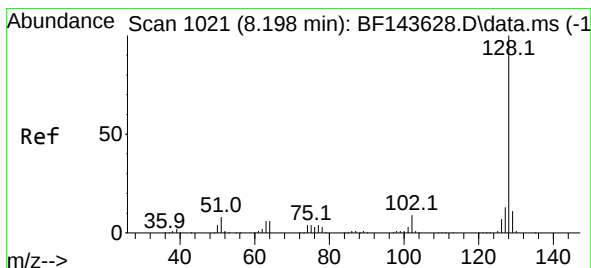
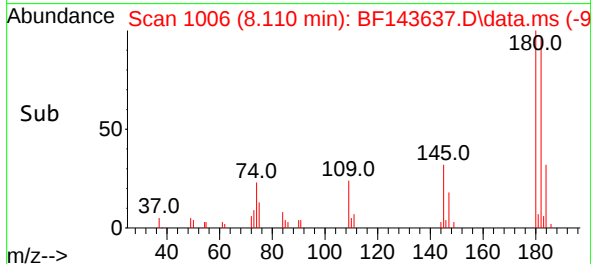
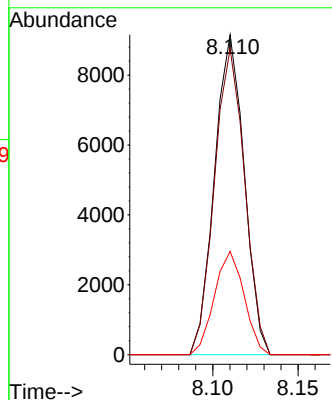
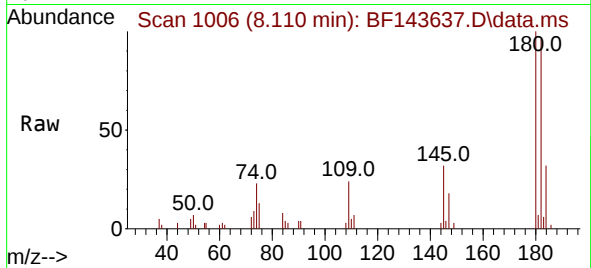




#30  
1,2,4-Trichlorobenzene  
Concen: 2.599 ng  
RT: 8.110 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

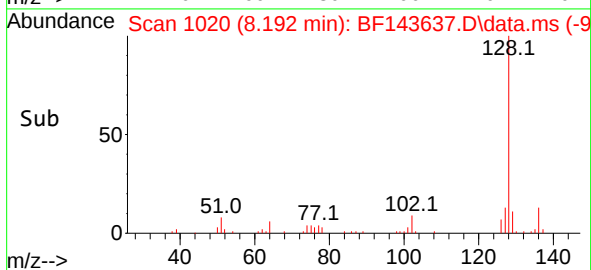
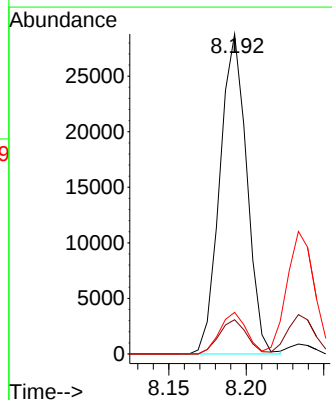
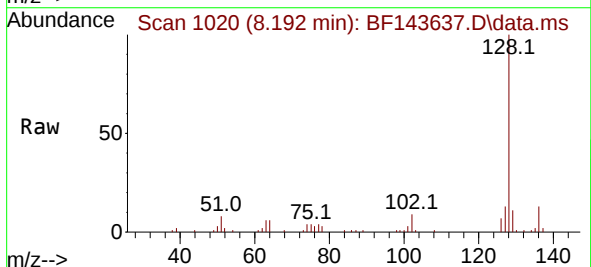
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

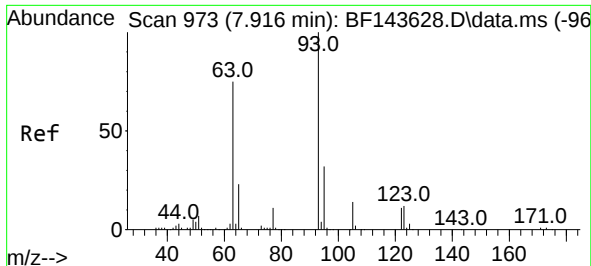
Tgt Ion:180 Resp: 11093  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.2 112.8  
145 32.2 23.6 35.4



#31  
Naphthalene  
Concen: 2.483 ng  
RT: 8.192 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:128 Resp: 34725  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.0 13.6  
127 13.0 10.6 16.0

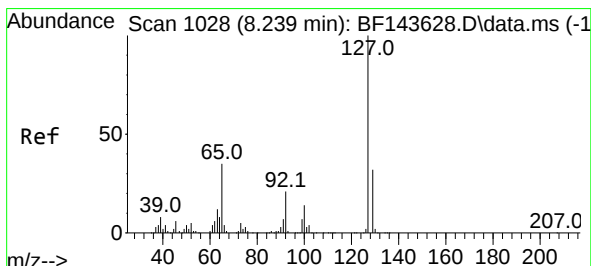
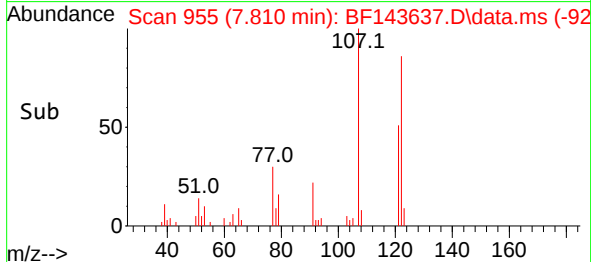
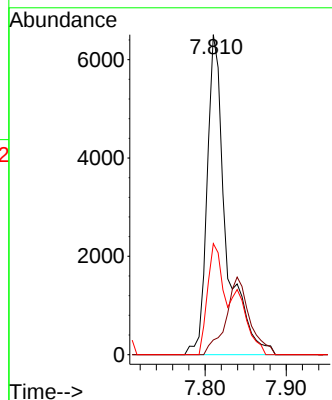
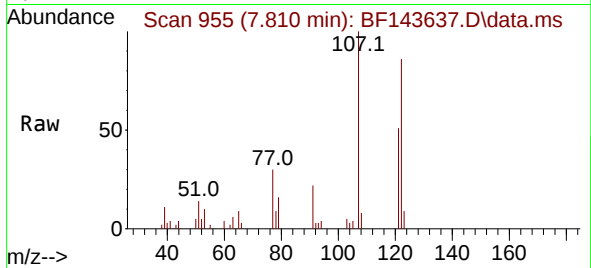




#32  
Benzoic acid  
Concen: 11.181 ng  
RT: 7.810 min Scan# 91  
Delta R.T. -0.106 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

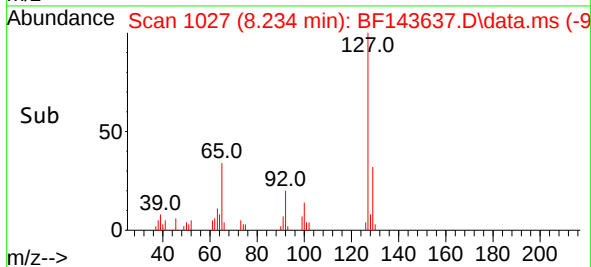
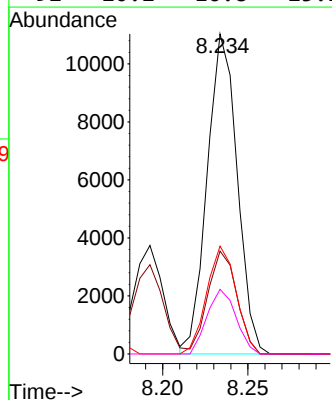
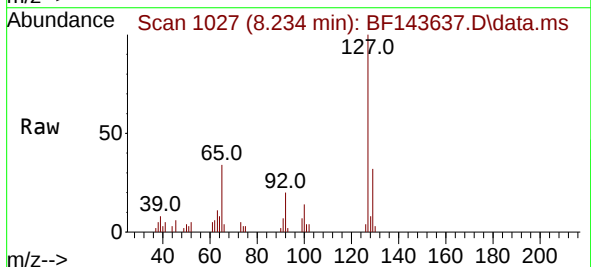
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

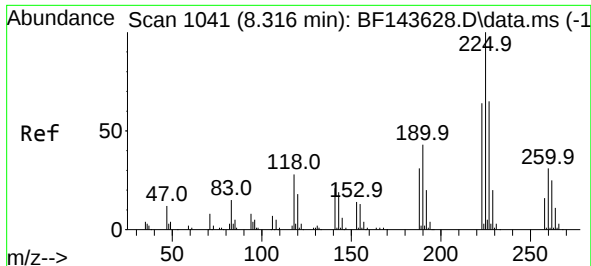
Tgt Ion:122 Resp: 10525  
Ion Ratio Lower Upper  
122 100  
105 4.6 105.9 145.9#  
77 34.7 78.6 118.6#



#33  
4-Chloroaniline  
Concen: 2.789 ng  
RT: 8.234 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

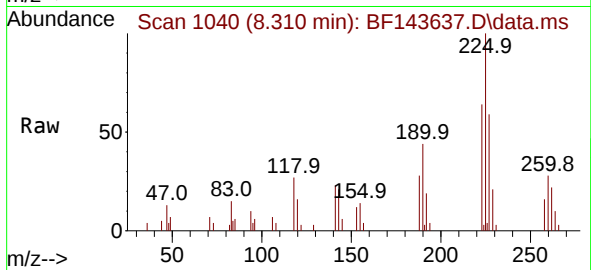
Tgt Ion:127 Resp: 13505  
Ion Ratio Lower Upper  
127 100  
129 32.2 26.2 39.2  
65 33.7 27.6 41.4  
92 20.2 16.8 25.2



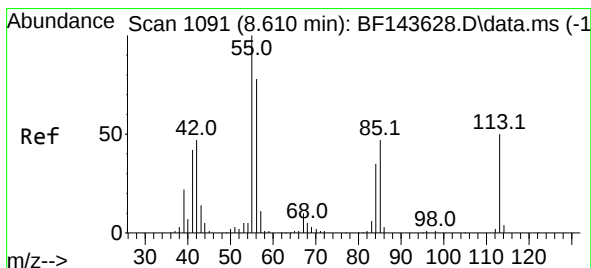
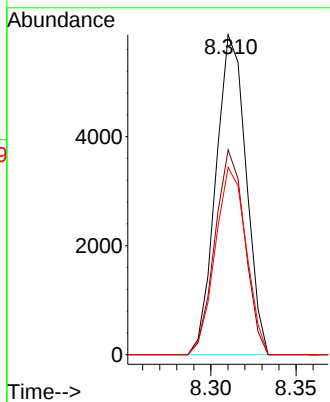
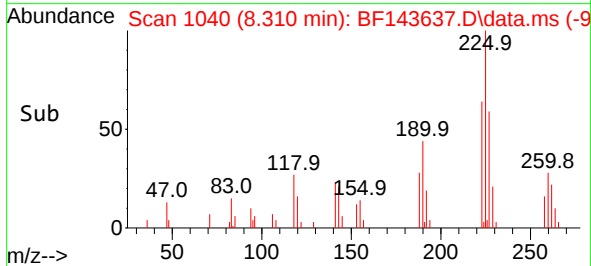


#34  
Hexachlorobutadiene  
Concen: 2.608 ng  
RT: 8.310 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

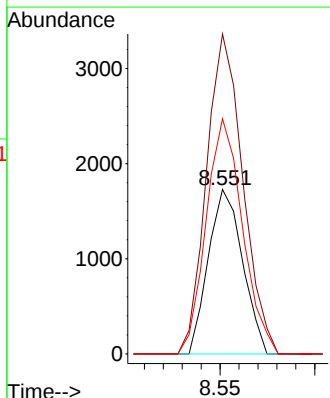
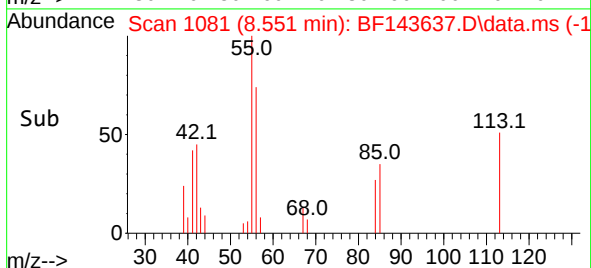
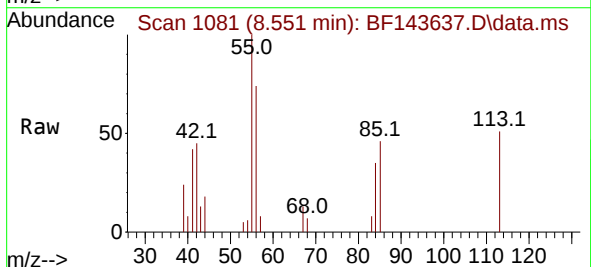


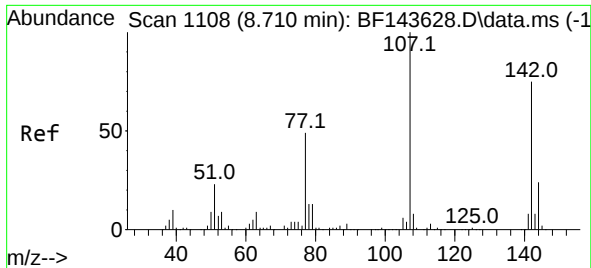
Tgt Ion:225 Resp: 7242  
Ion Ratio Lower Upper  
225 100  
223 64.0 51.3 76.9  
227 58.6 51.7 77.5



#35  
Caprolactam  
Concen: 2.067 ng  
RT: 8.551 min Scan# 1081  
Delta R.T. -0.059 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:113 Resp: 2169  
Ion Ratio Lower Upper  
113 100  
55 194.6 180.5 220.5  
56 143.1 134.8 174.8

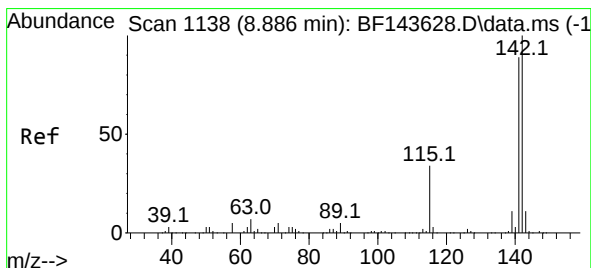
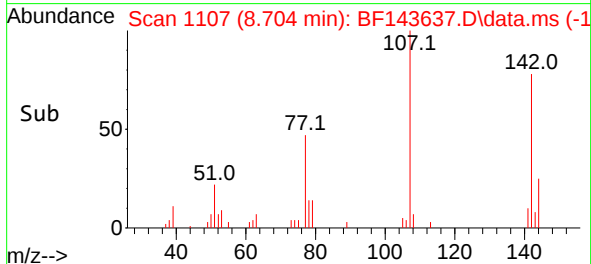
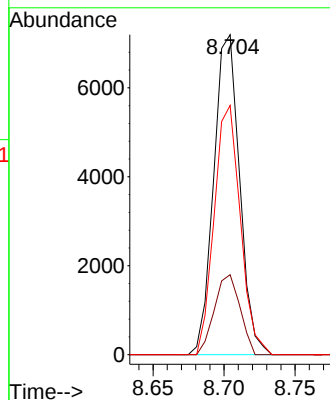
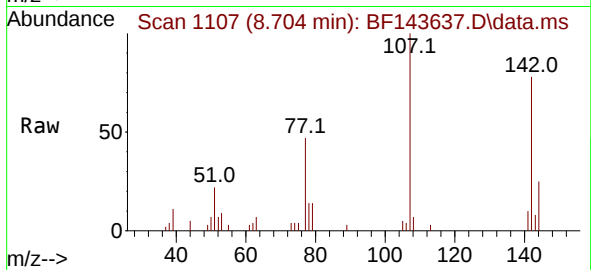




#36  
4-Chloro-3-methylphenol  
Concen: 2.225 ng  
RT: 8.704 min Scan# 1107  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

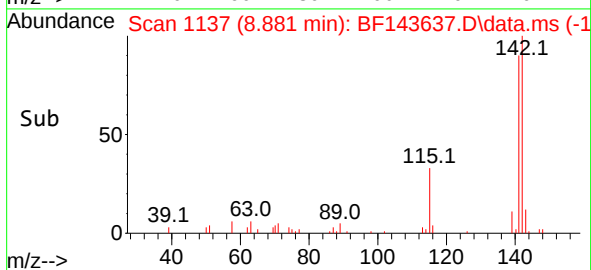
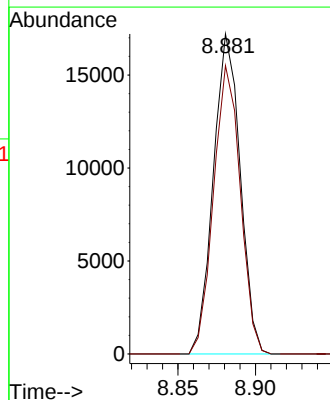
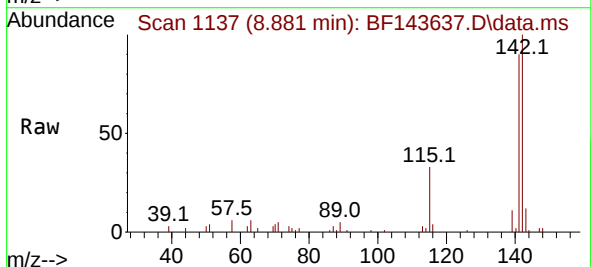
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

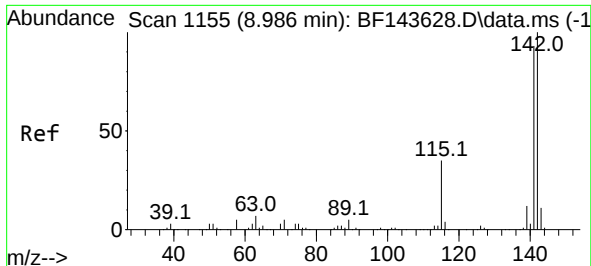
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 9124  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 144      | 25.0  | 19.0  | 28.6  |
| 142      | 77.9  | 60.3  | 90.5  |



#37  
2-Methylnaphthalene  
Concen: 2.192 ng  
RT: 8.881 min Scan# 1137  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 20738 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 90.1  | 70.8  | 106.2 |

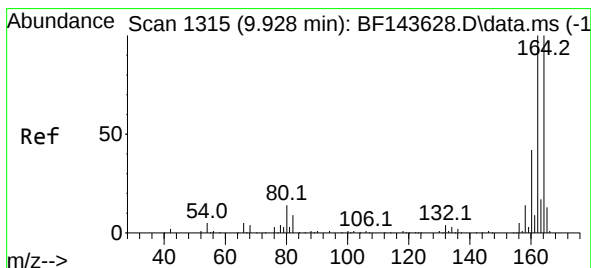
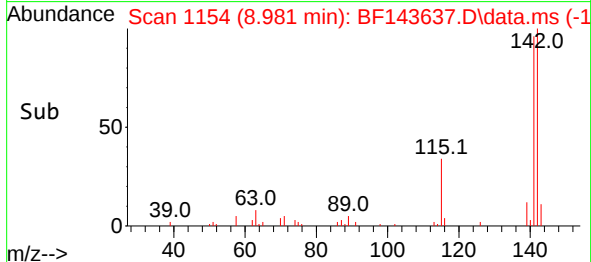
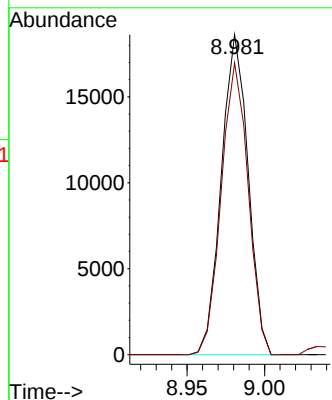
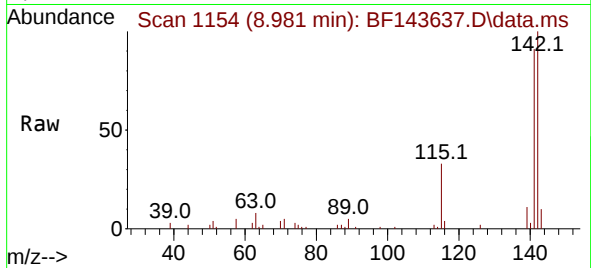




#38  
1-Methylnaphthalene  
Concen: 2.475 ng  
RT: 8.981 min Scan# 1154  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

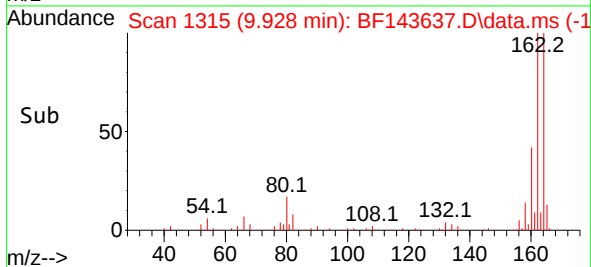
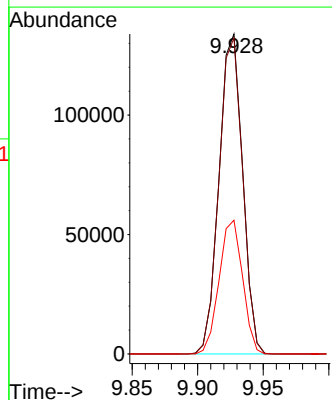
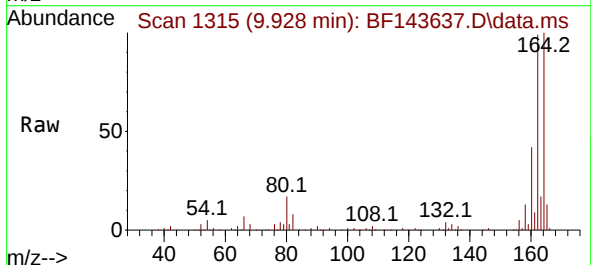
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

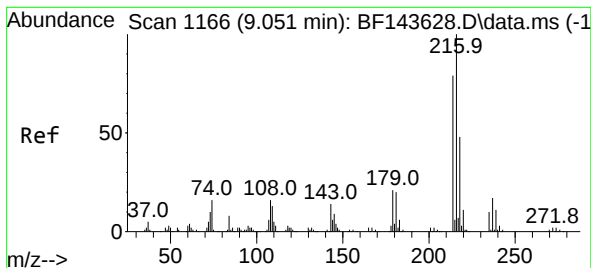
Tgt Ion:142 Resp: 22385  
Ion Ratio Lower Upper  
142 100  
141 91.2 74.5 111.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:164 Resp: 167244  
Ion Ratio Lower Upper  
164 100  
162 98.8 80.3 120.5  
160 41.8 34.0 51.0

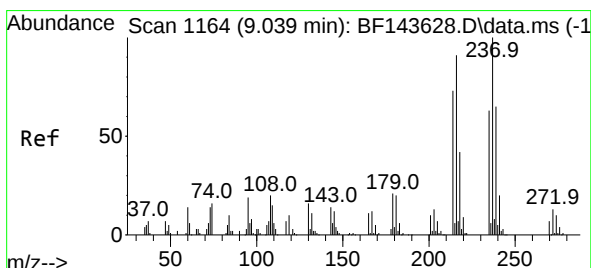
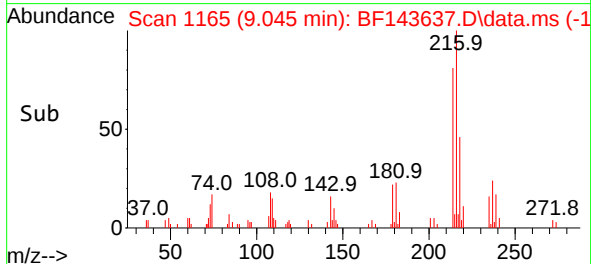
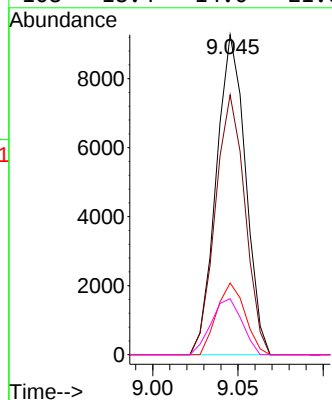
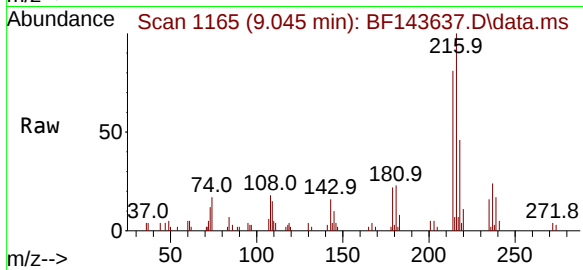




#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 2.391 ng  
RT: 9.045 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

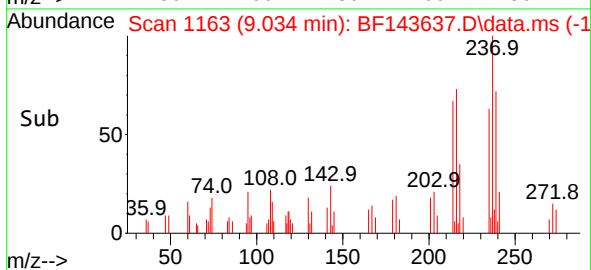
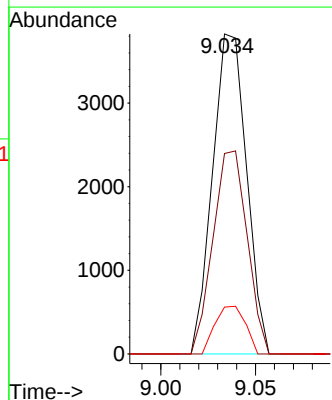
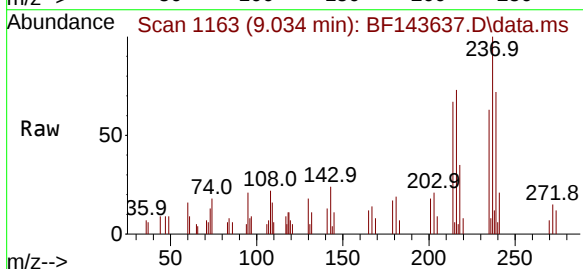
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

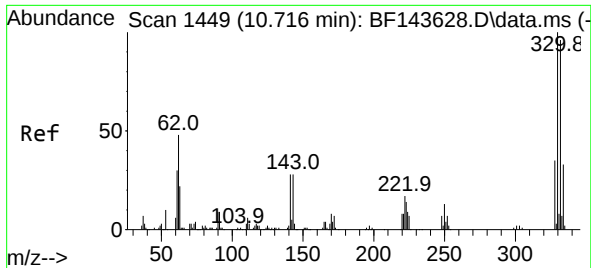
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 11051 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 82.2  | 63.3  | 94.9  |
| 179       | 21.7  | 17.2  | 25.8  |
| 108       | 18.4  | 14.0  | 21.0  |



#41  
Hexachlorocyclopentadiene  
Concen: 2.131 ng  
RT: 9.034 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

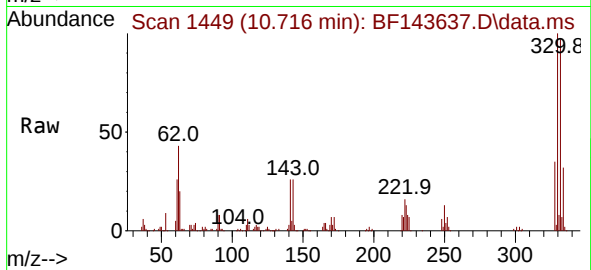
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 237   | Resp: | 4782 |
| Ion Ratio | Lower | Upper |      |
| 237       | 100   |       |      |
| 235       | 62.7  | 43.0  | 83.0 |
| 272       | 14.6  | 0.0   | 32.9 |



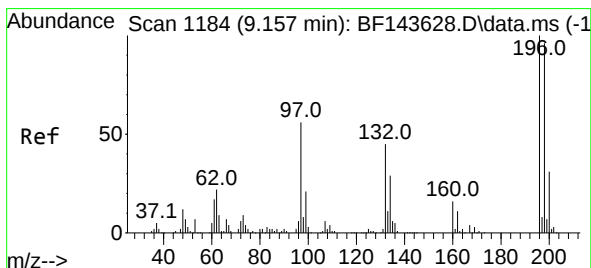
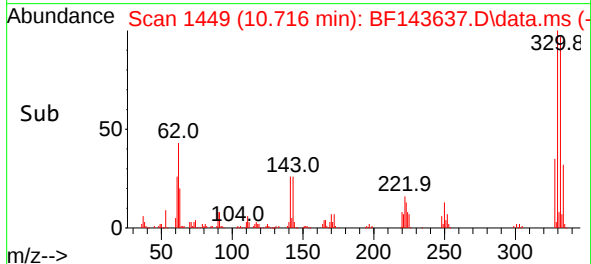
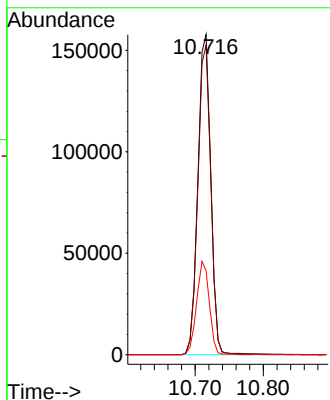


#42  
2,4,6-Tribromophenol  
Concen: 148.974 ng  
RT: 10.716 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

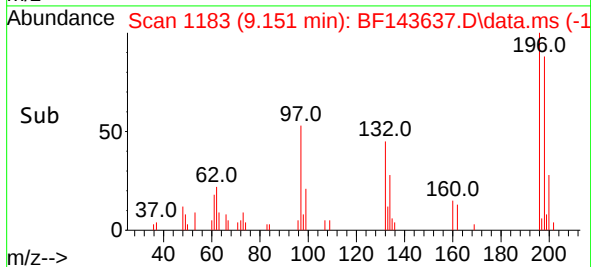
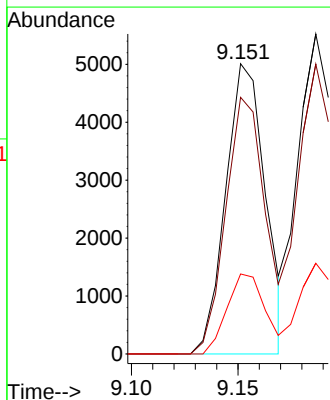
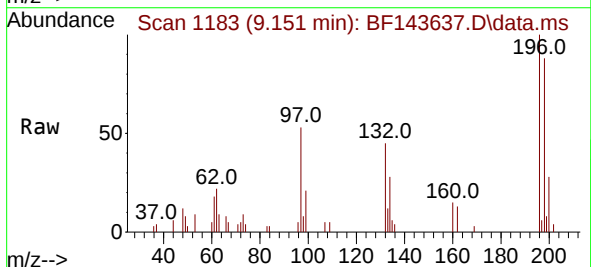


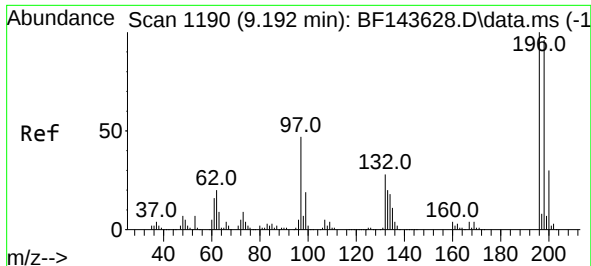
Tgt Ion:330 Resp: 208346  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 28.7 23.5 35.3



#43  
2,4,6-Trichlorophenol  
Concen: 2.280 ng  
RT: 9.151 min Scan# 1183  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:196 Resp: 6493  
Ion Ratio Lower Upper  
196 100  
198 88.4 77.1 115.7  
200 27.6 24.7 37.1

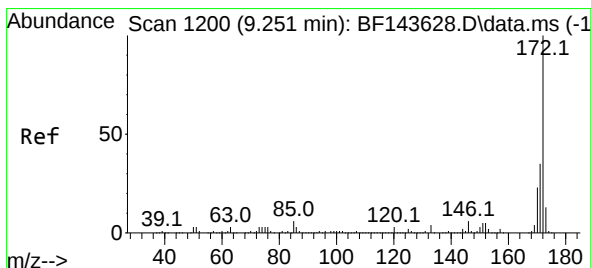
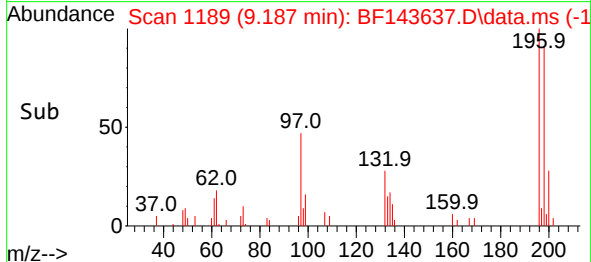
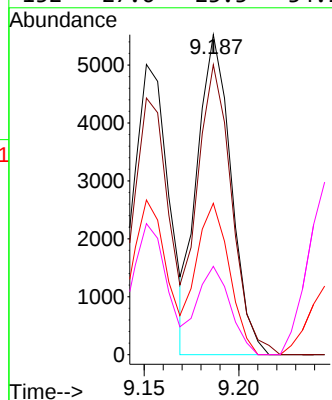
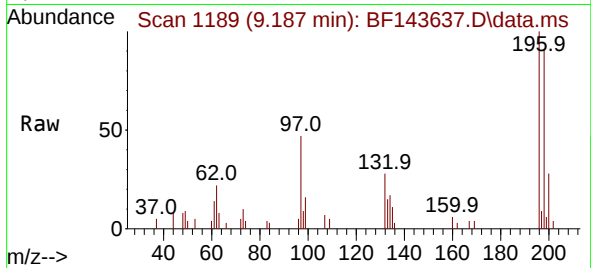




#44  
2,4,5-Trichlorophenol  
Concen: 2.332 ng  
RT: 9.187 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

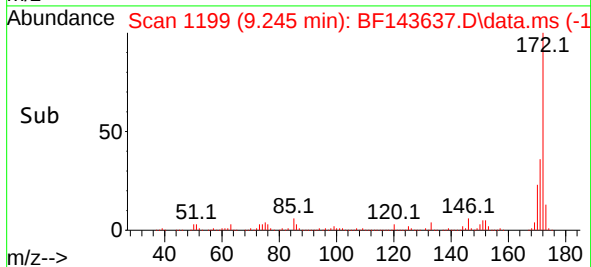
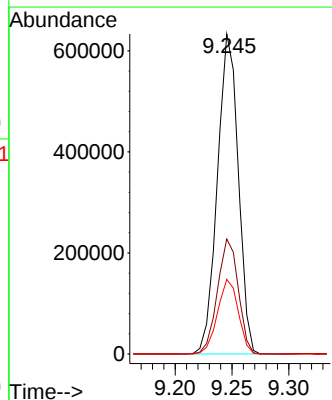
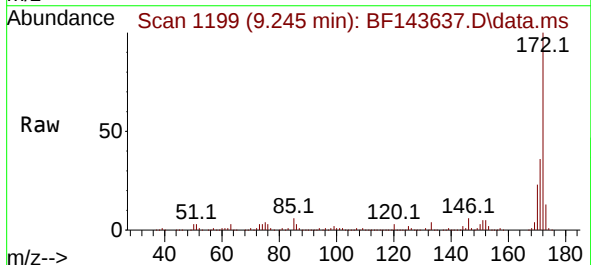
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

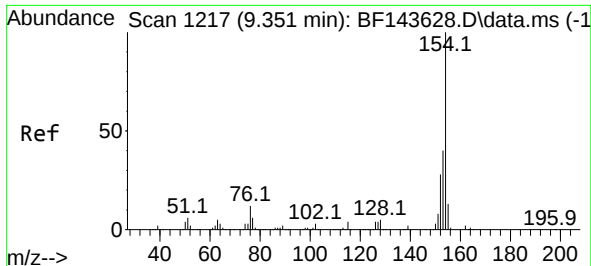
|             |                 |
|-------------|-----------------|
| Tgt Ion:196 | Resp: 6857      |
| Ion Ratio   | Lower Upper     |
| 196         | 100             |
| 198         | 90.6 76.6 115.0 |
| 97          | 47.3 38.2 57.2  |
| 132         | 27.6 23.3 34.9  |



#45  
2-Fluorobiphenyl  
Concen: 77.363 ng  
RT: 9.245 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|             |                |
|-------------|----------------|
| Tgt Ion:172 | Resp: 809847   |
| Ion Ratio   | Lower Upper    |
| 172         | 100            |
| 171         | 36.0 28.1 42.1 |
| 170         | 23.3 18.6 28.0 |





#46

1,1'-Biphenyl

Concen: 2.545 ng

RT: 9.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

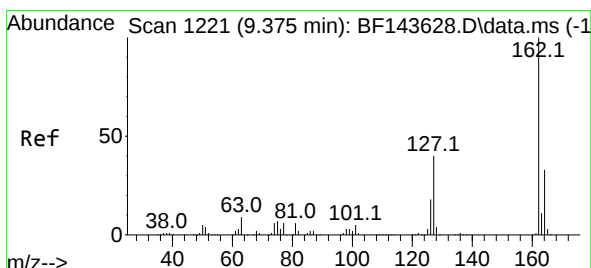
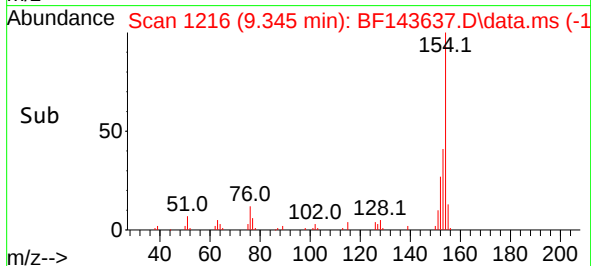
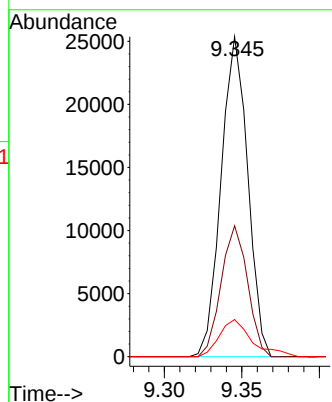
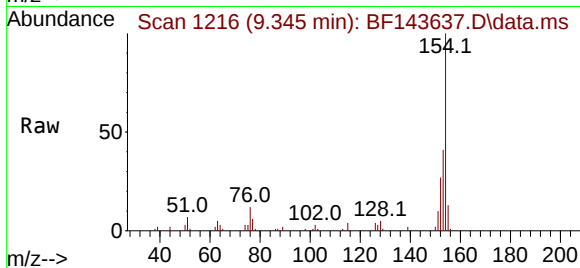
Tgt Ion:154 Resp: 30277

Ion Ratio Lower Upper

154 100

153 40.9 20.1 60.1

76 11.6 0.0 31.9



#47

2-Chloronaphthalene

Concen: 2.467 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

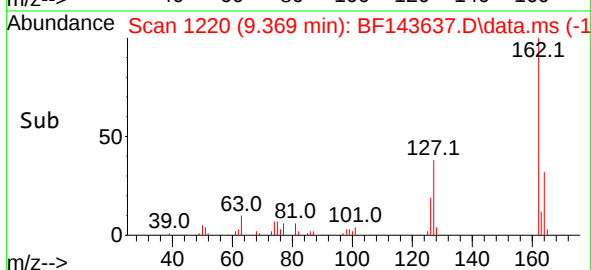
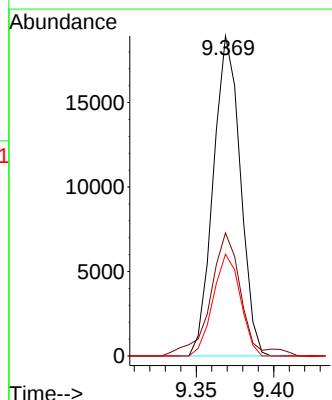
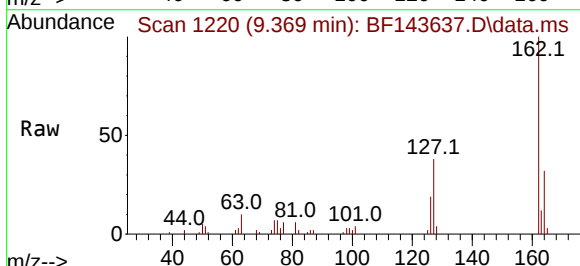
Tgt Ion:162 Resp: 22965

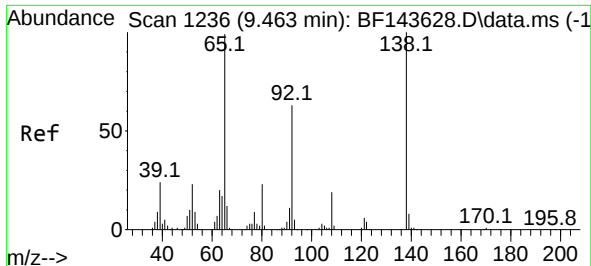
Ion Ratio Lower Upper

162 100

127 38.5 31.9 47.9

164 31.8 26.0 39.0

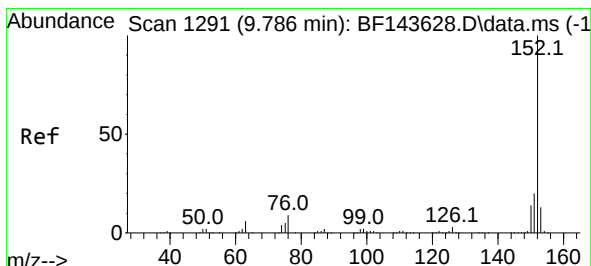
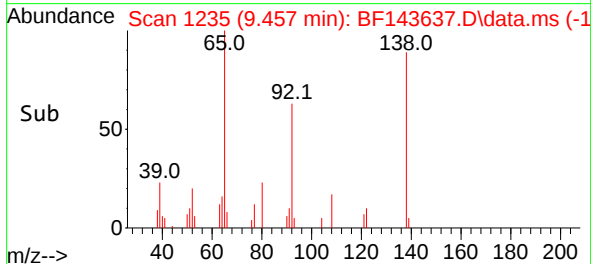
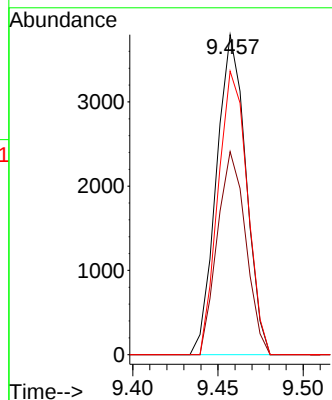
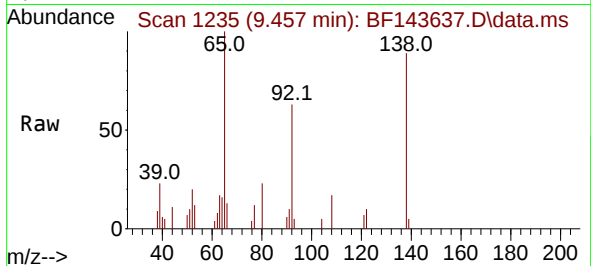




#48  
2-Nitroaniline  
Concen: 4.866 ng  
RT: 9.457 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

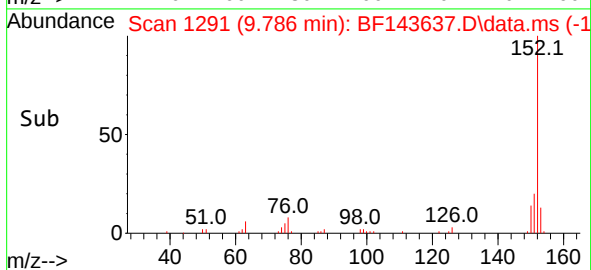
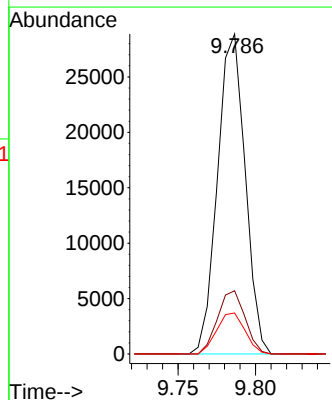
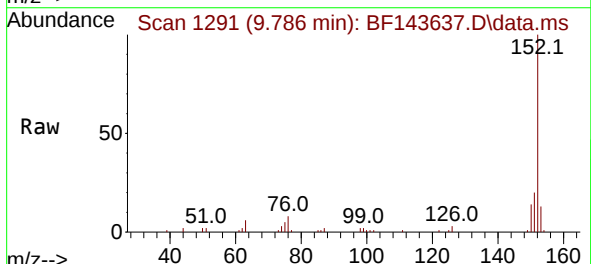
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

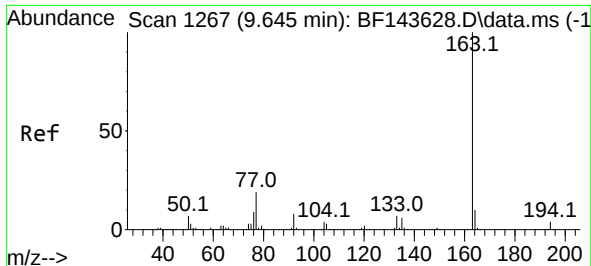
Tgt Ion: 65 Resp: 4570  
Ion Ratio Lower Upper  
65 100  
92 63.4 50.9 76.3  
138 88.6 80.6 120.8



#49  
Acenaphthylene  
Concen: 2.671 ng  
RT: 9.786 min Scan# 1291  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion: 152 Resp: 35835  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.1 24.1  
153 12.8 10.6 15.8

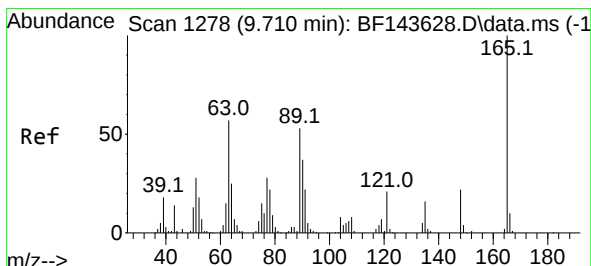
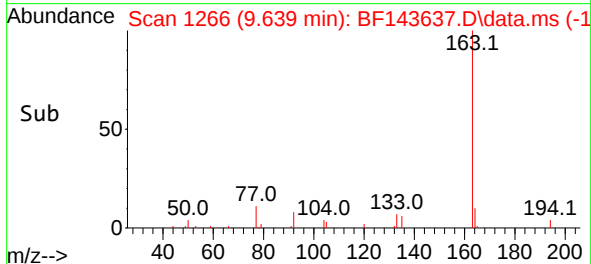
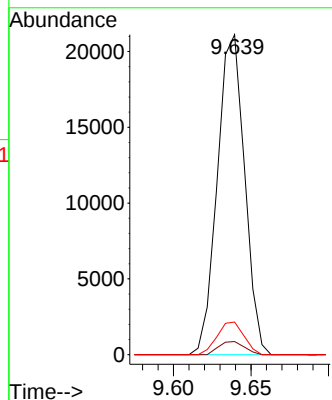
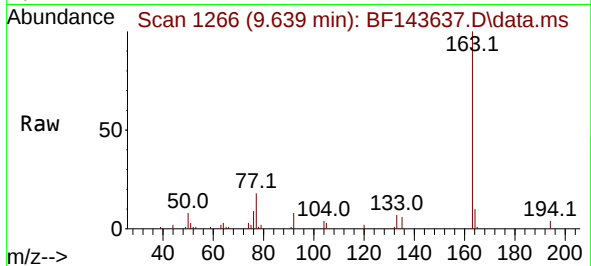




#50  
Dimethylphthalate  
Concen: 2.442 ng  
RT: 9.639 min Scan# 1266  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

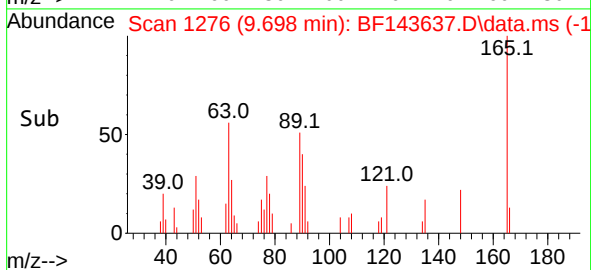
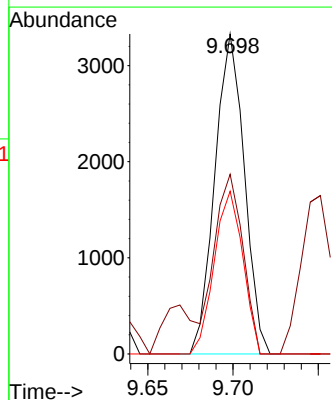
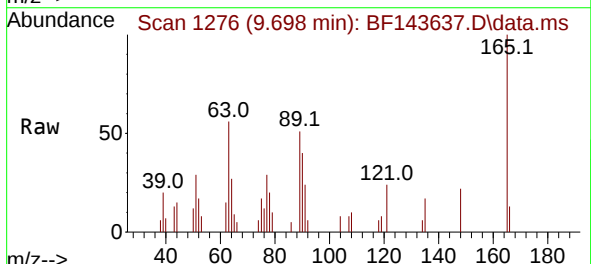
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

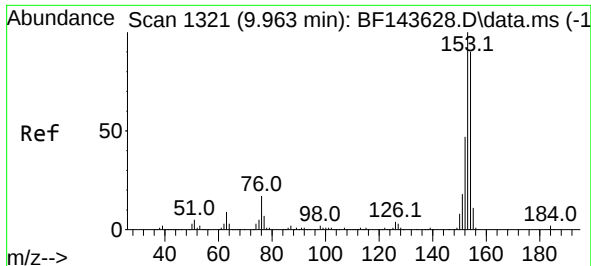
Tgt Ion:163 Resp: 25865  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.1 4.7  
164 10.2 8.1 12.1



#51  
2,6-Dinitrotoluene  
Concen: 5.705 ng  
RT: 9.698 min Scan# 1276  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:165 Resp: 4006  
Ion Ratio Lower Upper  
165 100  
63 56.1 45.4 68.0  
89 50.8 42.1 63.1

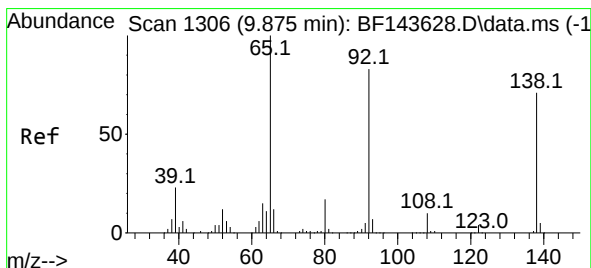
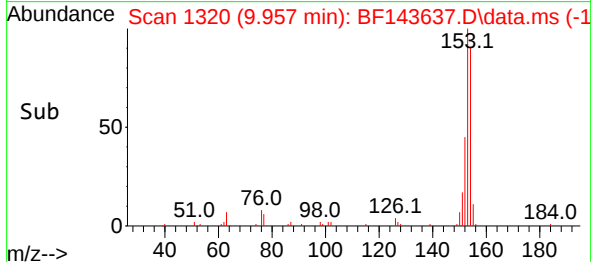
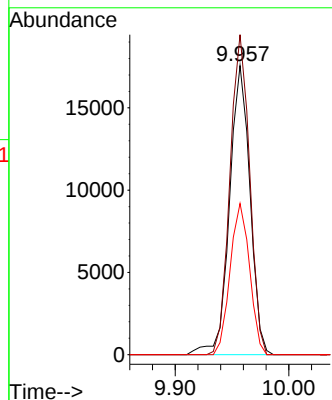
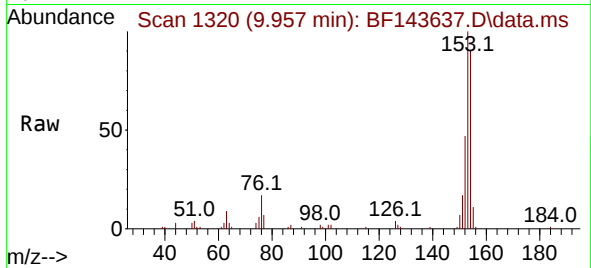




#52  
Acenaphthene  
Concen: 2.453 ng  
RT: 9.957 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

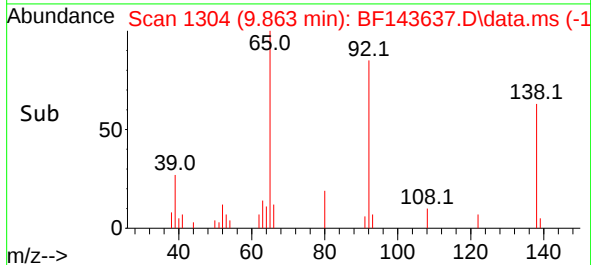
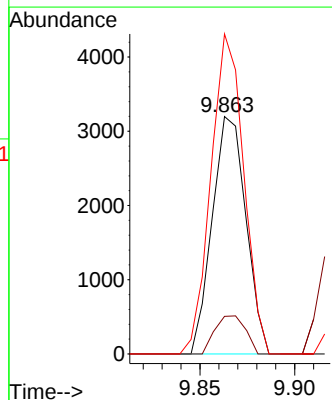
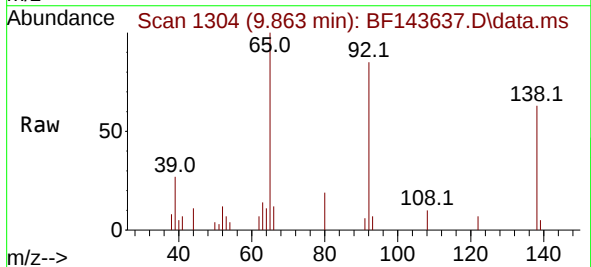
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

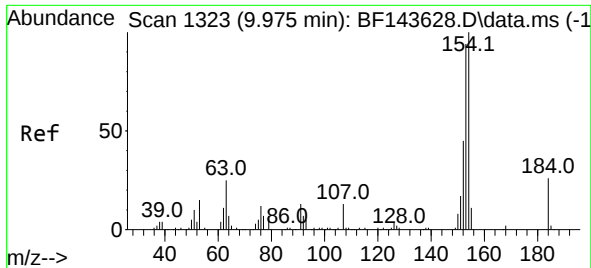
Tgt Ion:154 Resp: 22009  
Ion Ratio Lower Upper  
154 100  
153 110.7 88.6 132.8  
152 52.3 41.8 62.8



#53  
3-Nitroaniline  
Concen: 4.759 ng  
RT: 9.863 min Scan# 1304  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:138 Resp: 3962  
Ion Ratio Lower Upper  
138 100  
108 15.8 10.7 16.1  
92 134.8 93.4 140.2

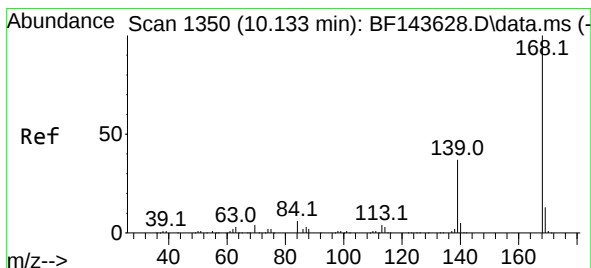
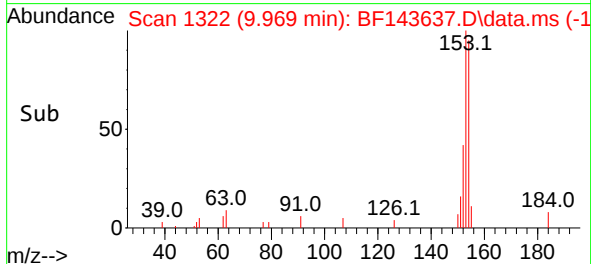
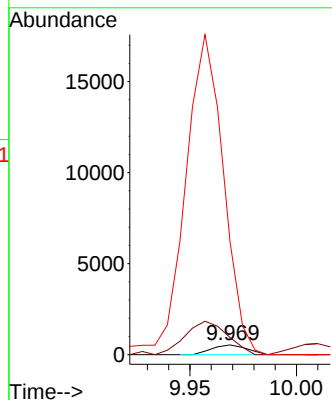
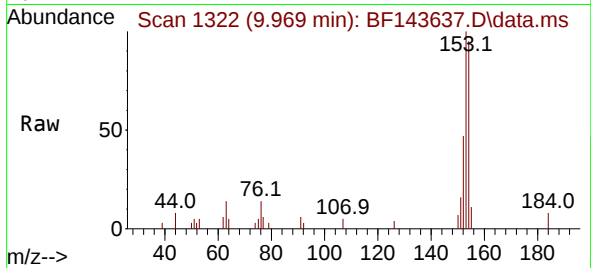




#54  
2,4-Dinitrophenol  
Concen: 7.106 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

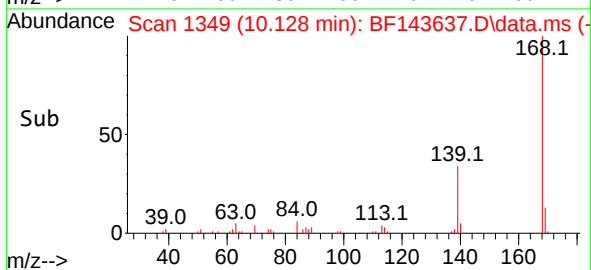
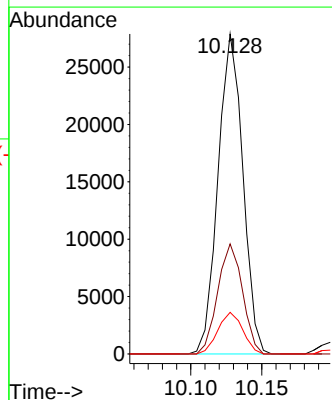
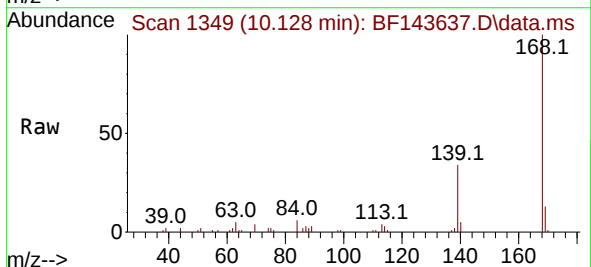
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

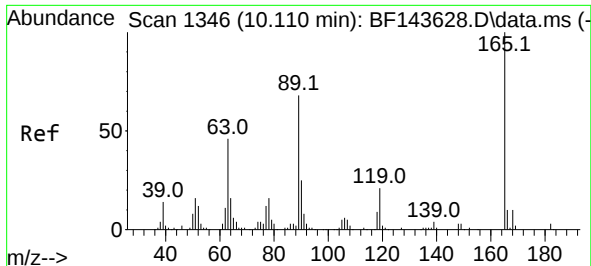
Tgt Ion:184 Resp: 613  
Ion Ratio Lower Upper  
184 100  
63 176.5 81.8 122.8#  
154 1156.7 348.3 522.5#



#55  
Dibenzofuran  
Concen: 2.595 ng  
RT: 10.128 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:168 Resp: 33828  
Ion Ratio Lower Upper  
168 100  
139 34.4 29.8 44.8  
169 13.0 10.6 16.0

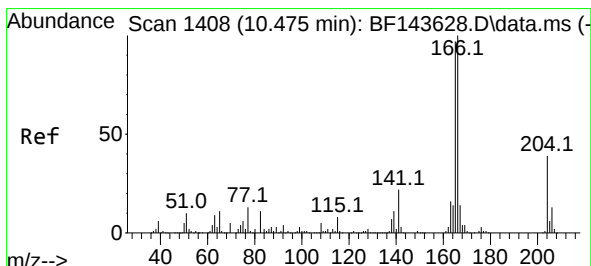
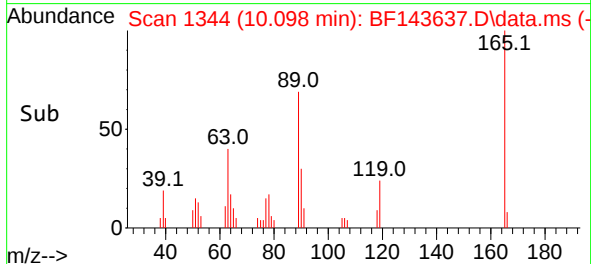
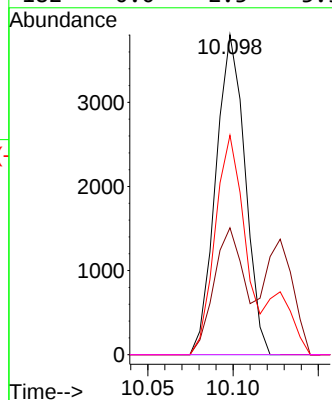
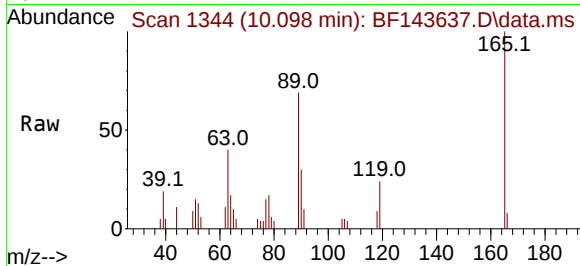




#57  
2,4-Dinitrotoluene  
Concen: 5.473 ng  
RT: 10.098 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

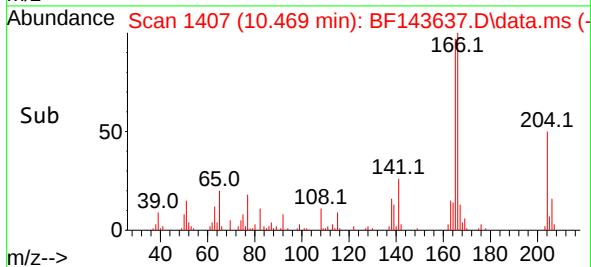
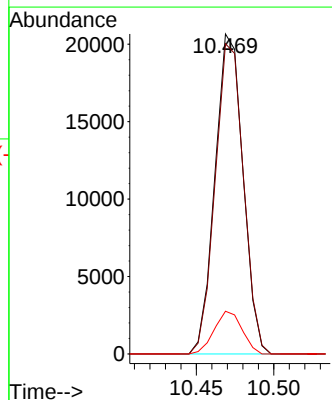
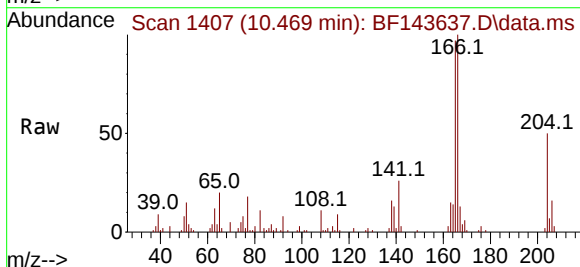
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

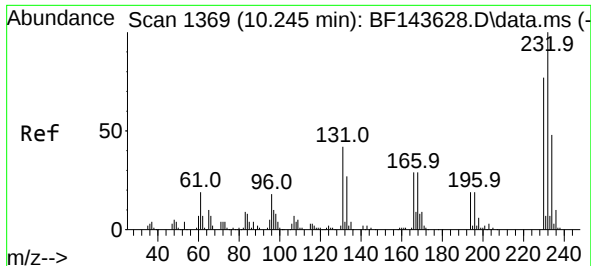
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 4552      |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 39.7  | 37.0 55.6 |
| 89          | 68.5  | 54.1 81.1 |
| 182         | 0.0   | 2.3 3.5#  |



#58  
Fluorene  
Concen: 2.578 ng  
RT: 10.469 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

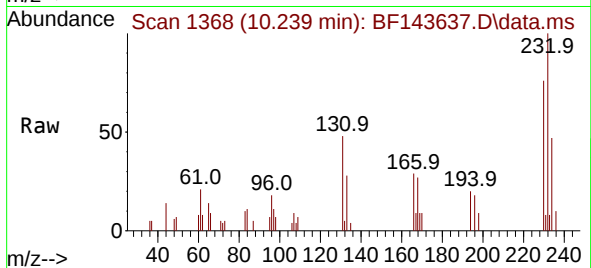
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 25997      |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 96.9  | 77.6 116.4 |
| 167         | 13.4  | 10.9 16.3  |



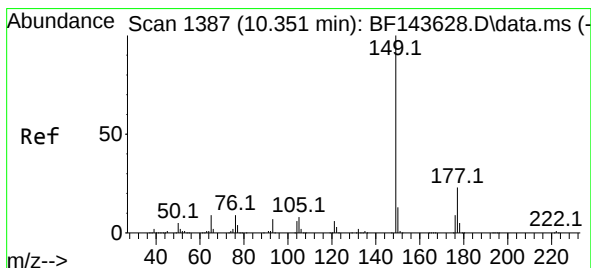
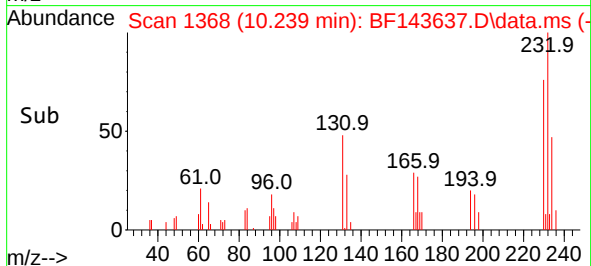
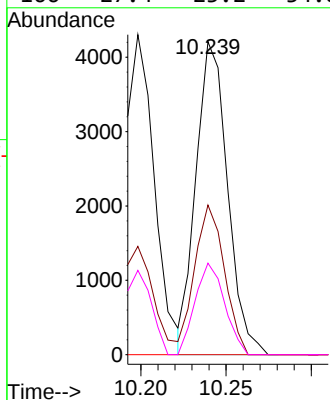


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 2.429 ng  
RT: 10.239 min Scan# 1368  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

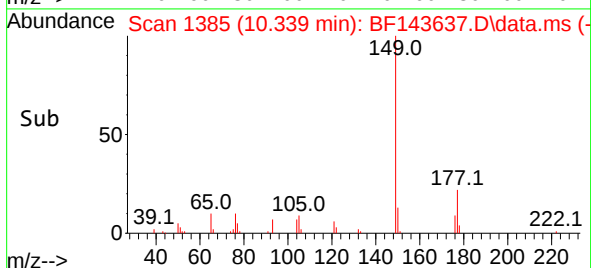
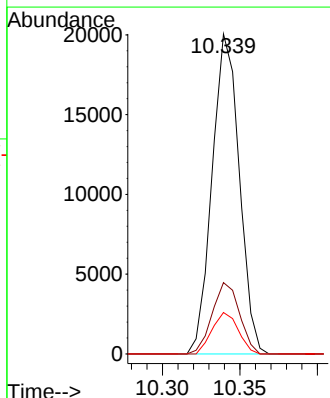
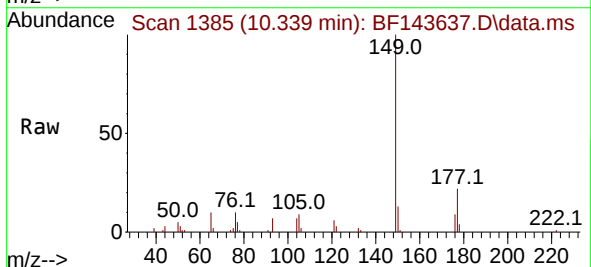


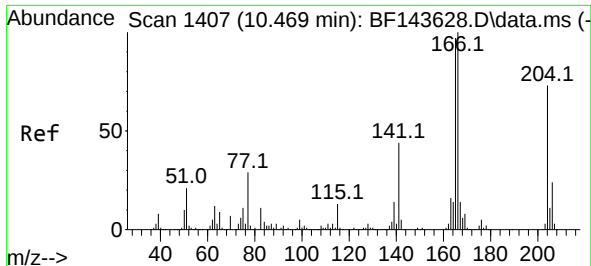
Tgt Ion:232 Resp: 5423  
Ion Ratio Lower Upper  
232 100  
131 44.9 33.7 50.5  
130 0.0 1.5 2.3#  
166 27.4 23.2 34.8



#60  
Diethylphthalate  
Concen: 2.431 ng  
RT: 10.339 min Scan# 1385  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:149 Resp: 24440  
Ion Ratio Lower Upper  
149 100  
177 22.3 18.6 28.0  
150 13.0 10.3 15.5





#61

4-Chlorophenyl-phenylether

Concen: 2.652 ng

RT: 10.463 min Scan# 1406

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

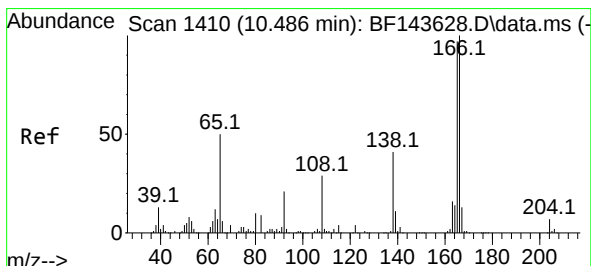
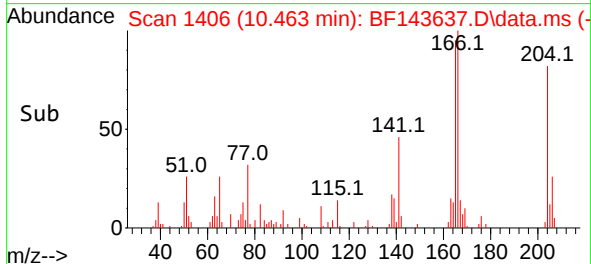
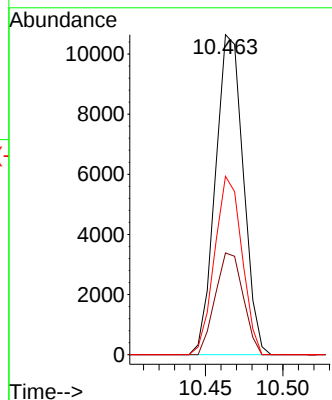
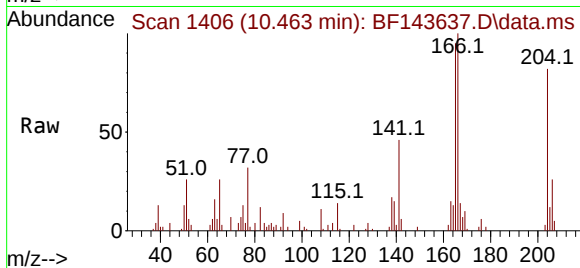
Tgt Ion:204 Resp: 13346

Ion Ratio Lower Upper

204 100

206 31.8 26.6 40.0

141 55.7 47.8 71.6



#62

4-Nitroaniline

Concen: 4.635 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.017 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

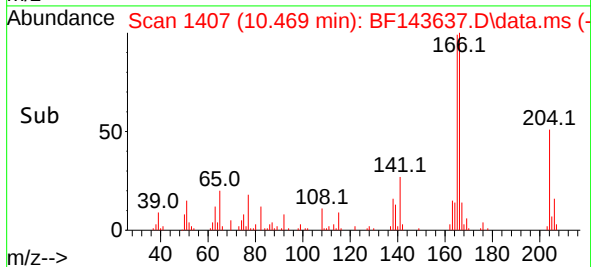
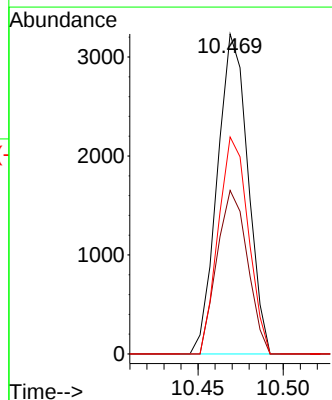
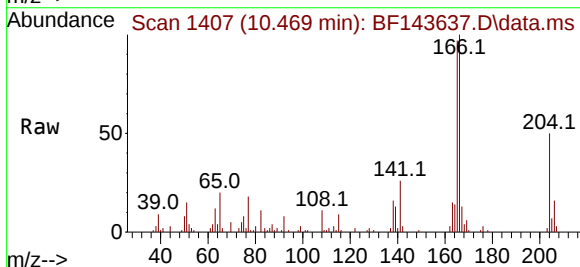
Tgt Ion:138 Resp: 4036

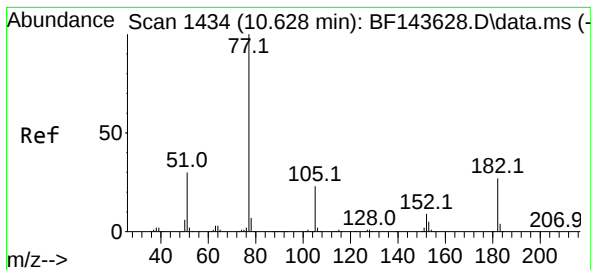
Ion Ratio Lower Upper

138 100

92 51.1 30.5 70.5

108 67.8 49.1 89.1





#63

Azobenzene

Concen: 2.377 ng

RT: 10.628 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion: 77 Resp: 22525

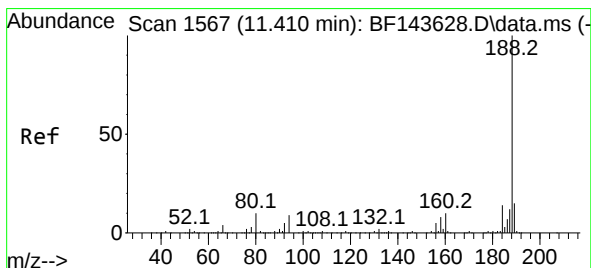
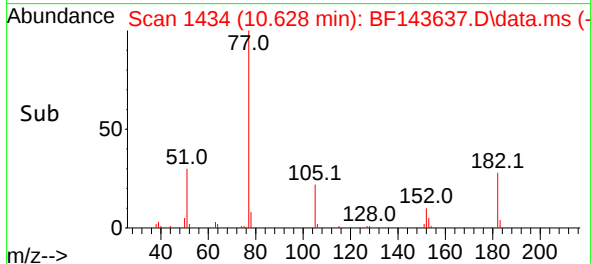
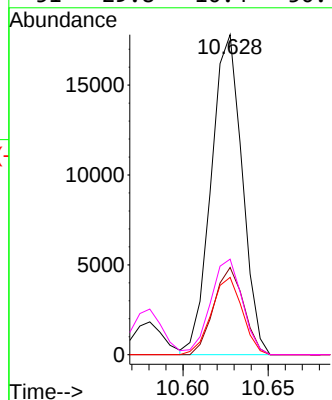
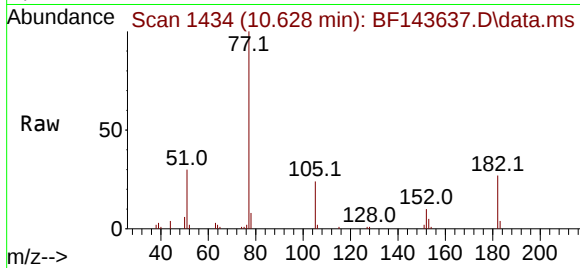
Ion Ratio Lower Upper

77 100

182 27.2 6.8 46.8

105 24.2 2.8 42.8

51 29.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

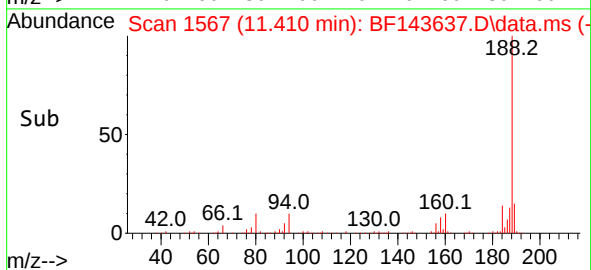
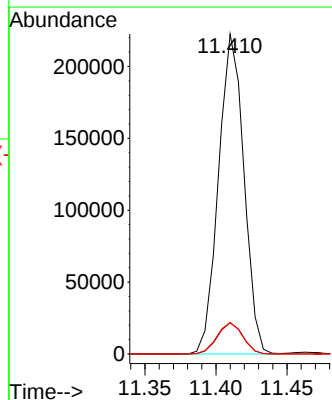
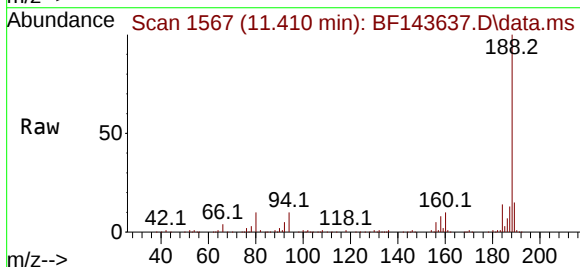
Tgt Ion: 188 Resp: 276609

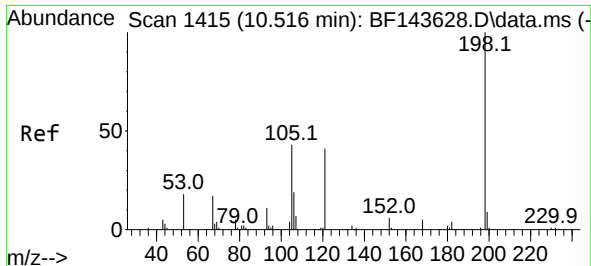
Ion Ratio Lower Upper

188 100

94 9.7 7.5 11.3

80 9.9 8.4 12.6

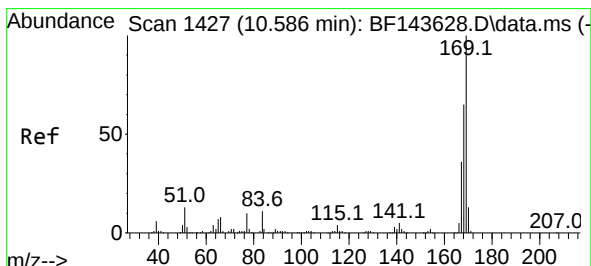
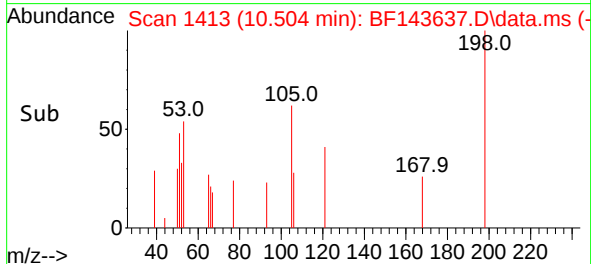
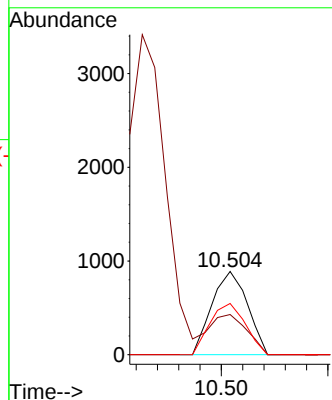
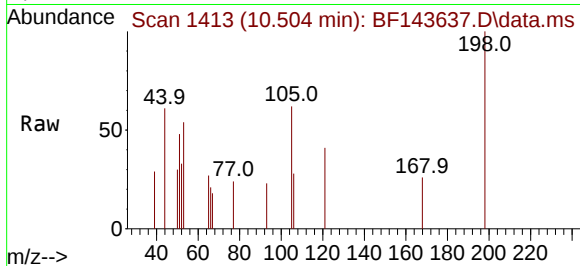




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.257 ng  
RT: 10.504 min Scan# 1413  
Delta R.T. -0.012 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

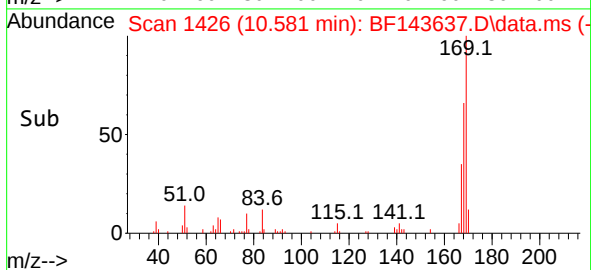
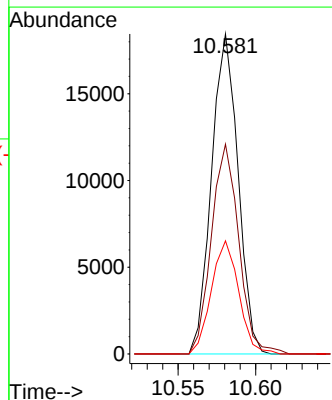
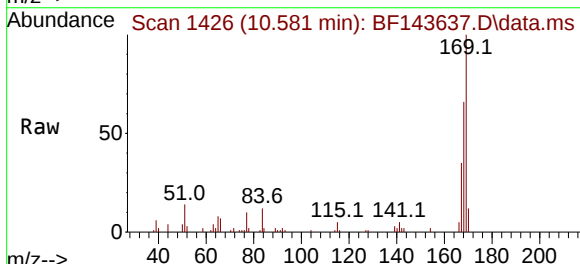
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

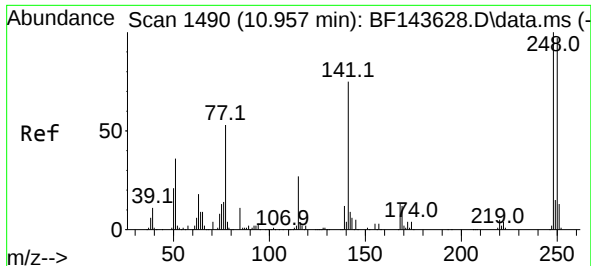
Tgt Ion:198 Resp: 1030  
Ion Ratio Lower Upper  
198 100  
51 48.3 30.7 70.7  
105 61.6 26.0 66.0



#66  
n-Nitrosodiphenylamine  
Concen: 2.457 ng  
RT: 10.581 min Scan# 1426  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:169 Resp: 21935  
Ion Ratio Lower Upper  
169 100  
168 65.5 52.2 78.4  
167 35.3 28.5 42.7

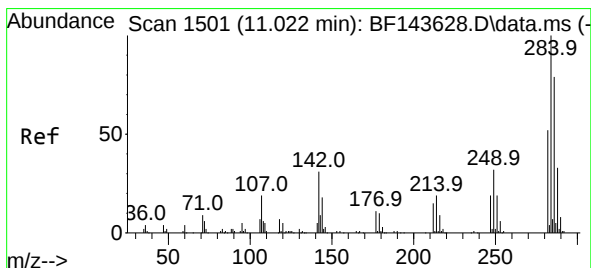
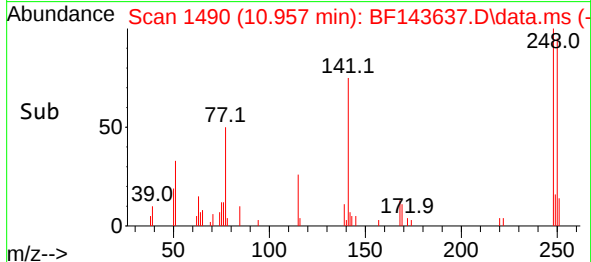
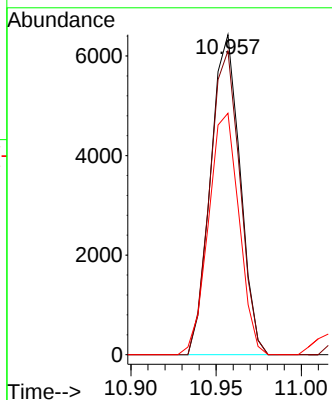
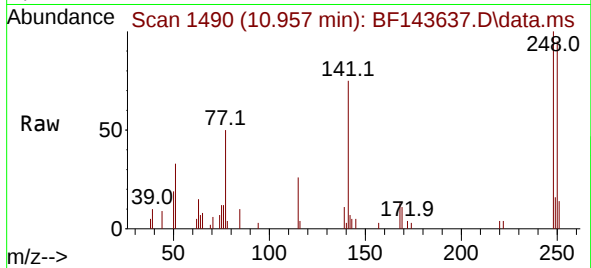




#67  
4-Bromophenyl-phenylether  
Concen: 2.415 ng  
RT: 10.957 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

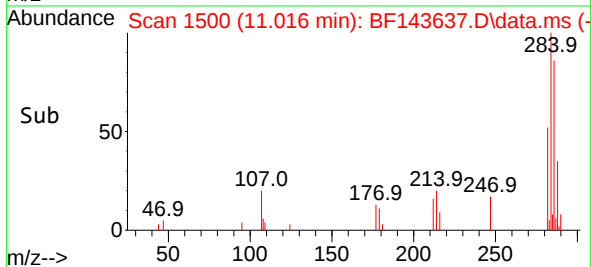
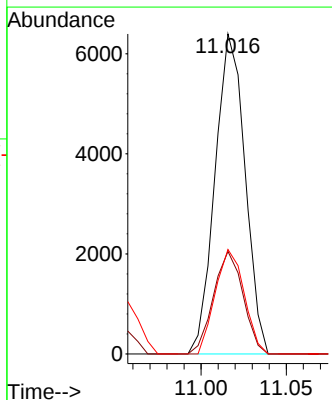
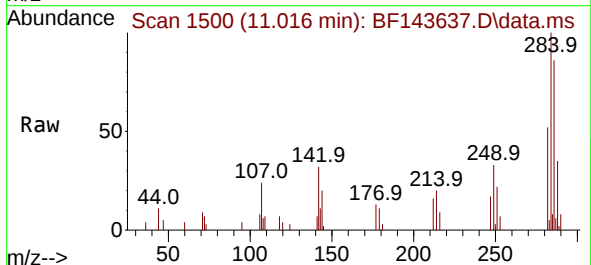
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

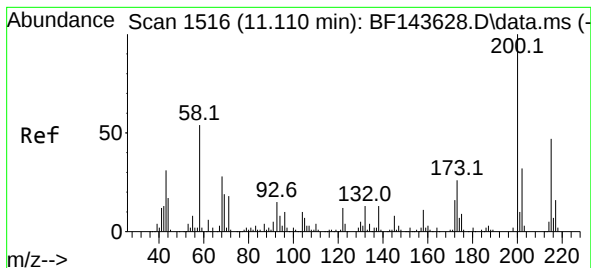
Tgt Ion:248 Resp: 7748  
Ion Ratio Lower Upper  
248 100  
250 95.0 77.6 116.4  
141 75.4 60.1 90.1



#68  
Hexachlorobenzene  
Concen: 2.323 ng  
RT: 11.016 min Scan# 1500  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:284 Resp: 7827  
Ion Ratio Lower Upper  
284 100  
142 32.1 24.7 37.1  
249 32.7 25.4 38.2





#69

Atrazine

Concen: 2.295 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.012 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

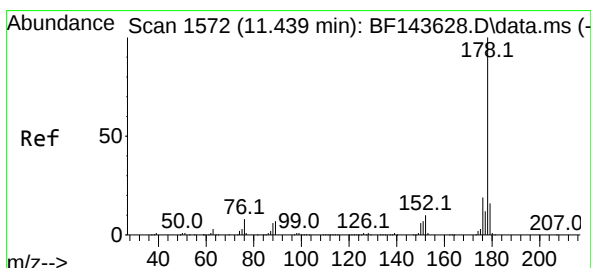
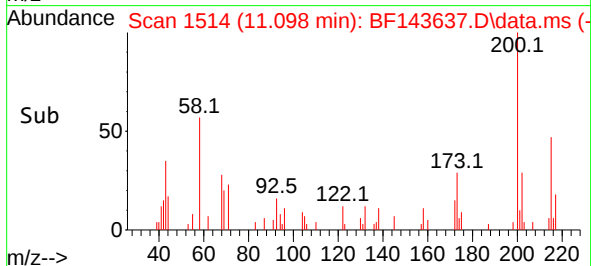
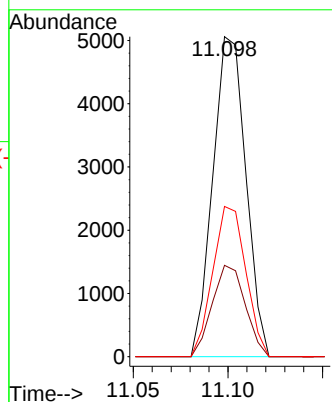
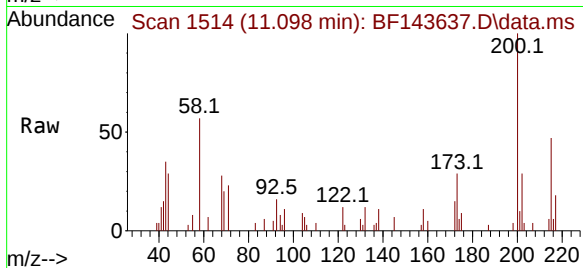
Tgt Ion:200 Resp: 6125

Ion Ratio Lower Upper

200 100

173 28.6 6.4 46.4

215 46.9 26.9 66.9



#71

Phenanthrene

Concen: 2.517 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

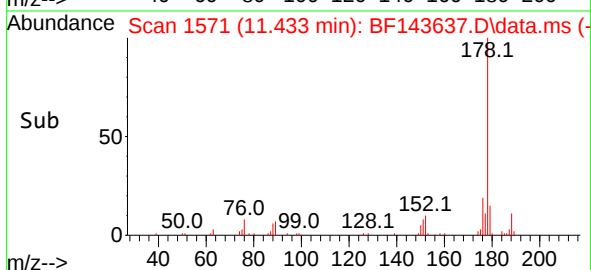
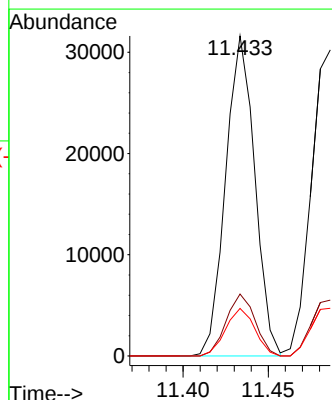
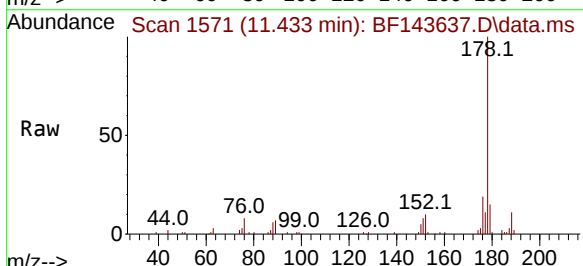
Tgt Ion:178 Resp: 37643

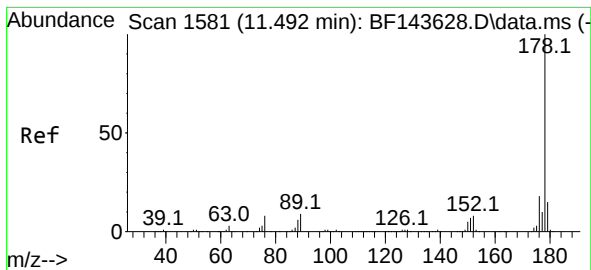
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 14.9 12.4 18.6





#72

Anthracene

Concen: 2.530 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

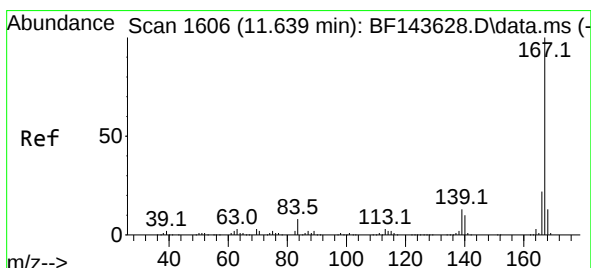
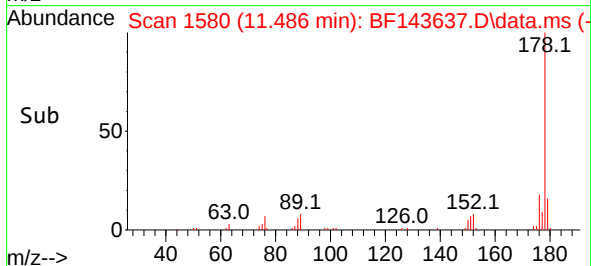
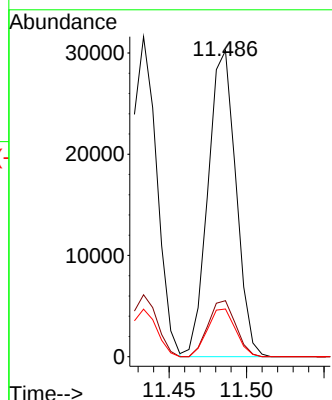
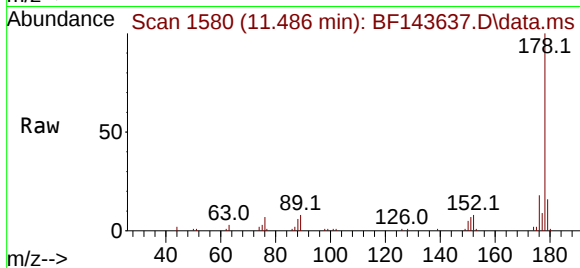
Tgt Ion:178 Resp: 37950

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

179 15.6 12.3 18.5



#73

Carbazole

Concen: 2.532 ng

RT: 11.633 min Scan# 1605

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

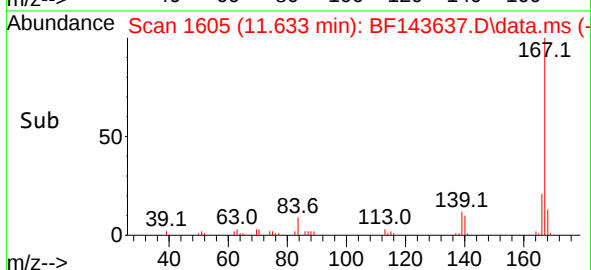
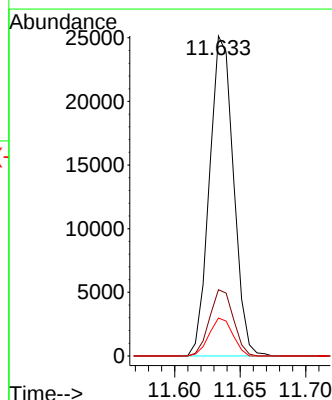
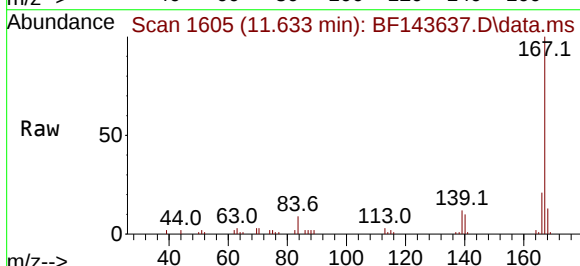
Tgt Ion:167 Resp: 32015

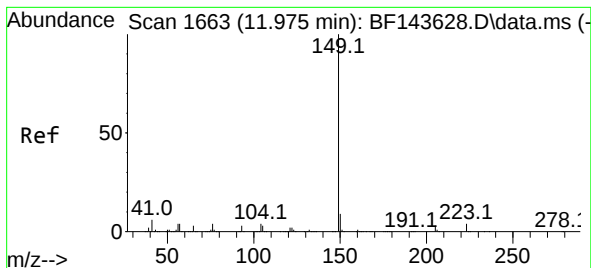
Ion Ratio Lower Upper

167 100

166 20.7 17.3 25.9

139 11.9 10.3 15.5





#74

Di-n-butylphthalate

Concen: 2.345 ng

RT: 11.975 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

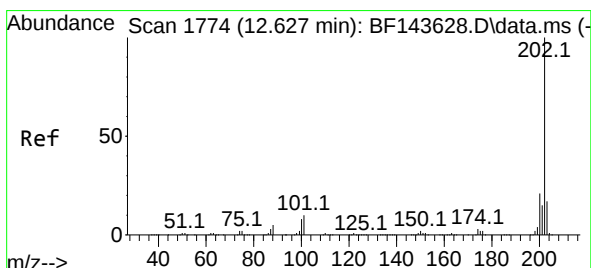
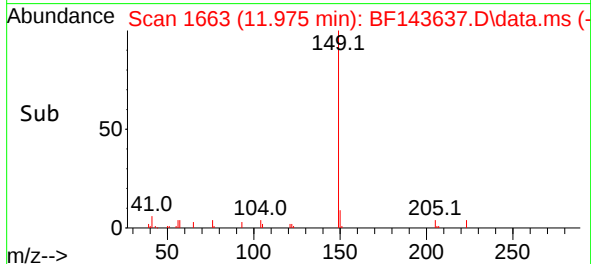
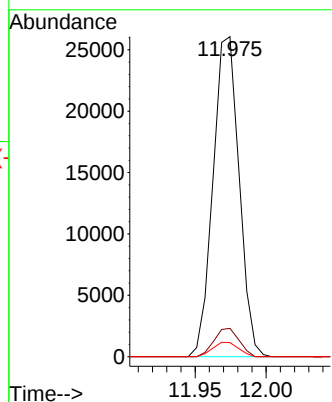
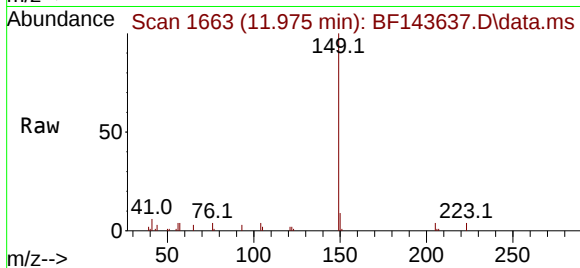
Tgt Ion:149 Resp: 33294

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 4.4 3.5 5.3



#75

Fluoranthene

Concen: 2.654 ng

RT: 12.622 min Scan# 1773

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

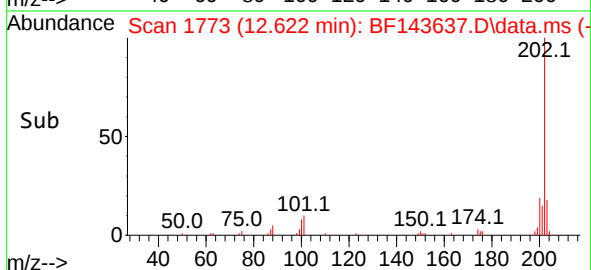
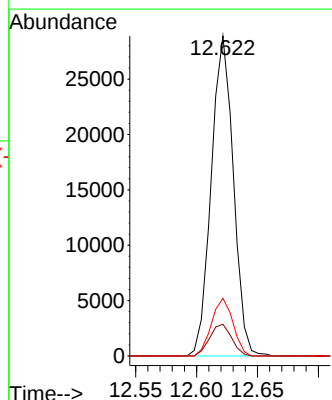
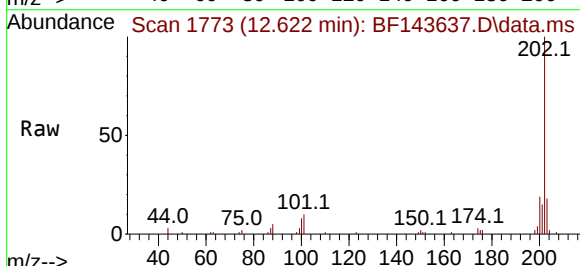
Tgt Ion:202 Resp: 36454

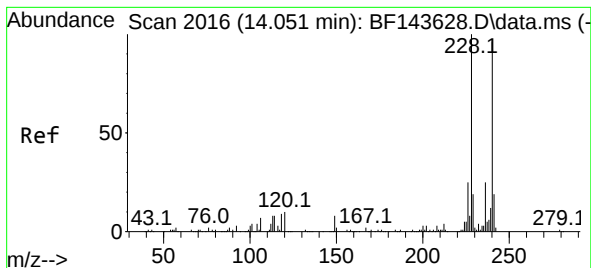
Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.3

203 18.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143637.D

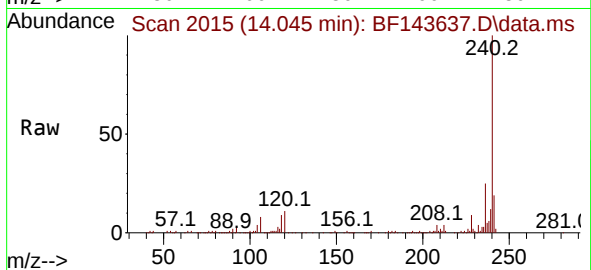
Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



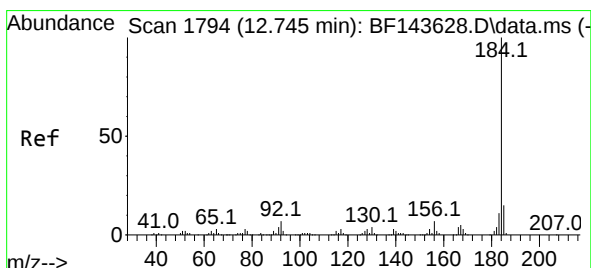
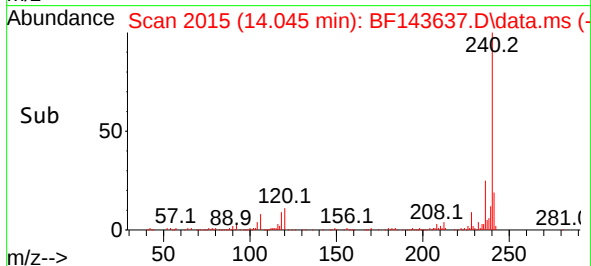
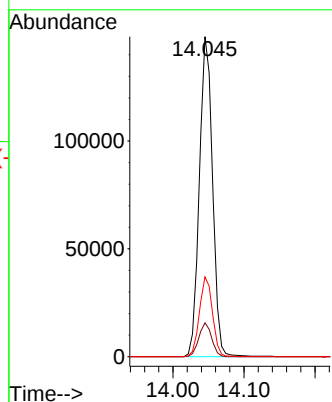
Tgt Ion:240 Resp: 192210

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.0 20.5 30.7



#77

Benzidine

Concen: 2.537 ng

RT: 12.739 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

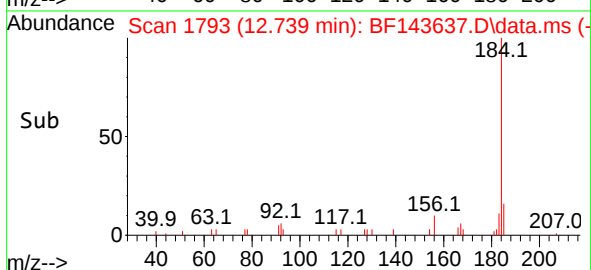
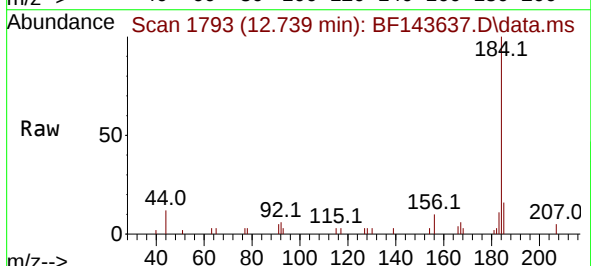
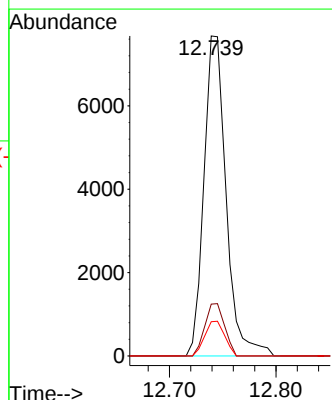
Tgt Ion:184 Resp: 11158

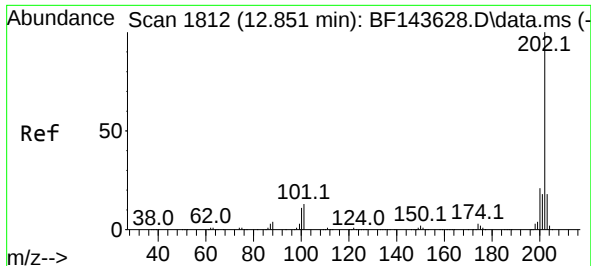
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

183 10.7 9.0 13.6

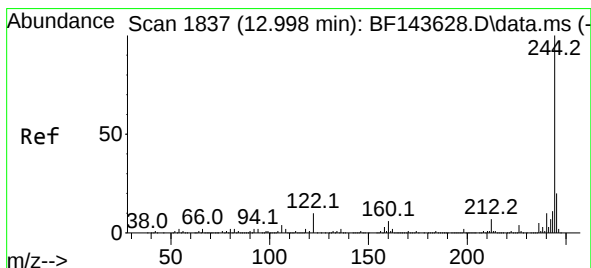
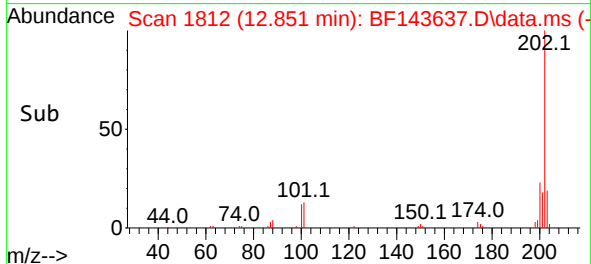
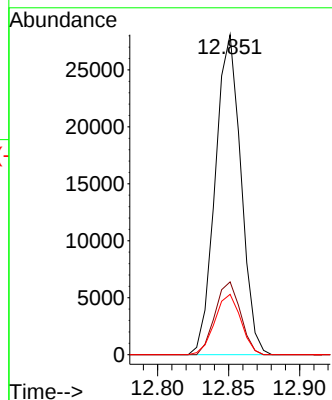
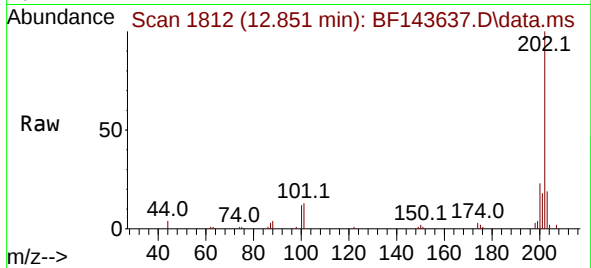




#78  
Pyrene  
Concen: 2.226 ng  
RT: 12.851 min Scan# 1812  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

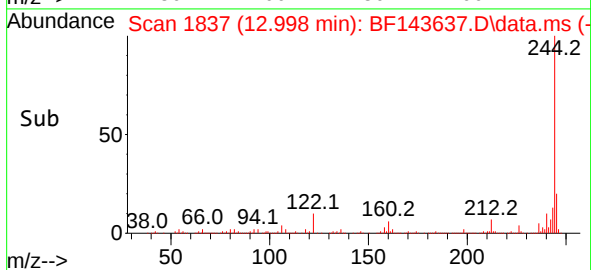
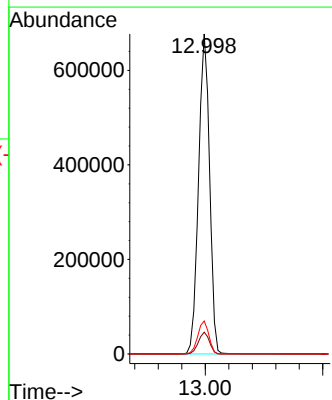
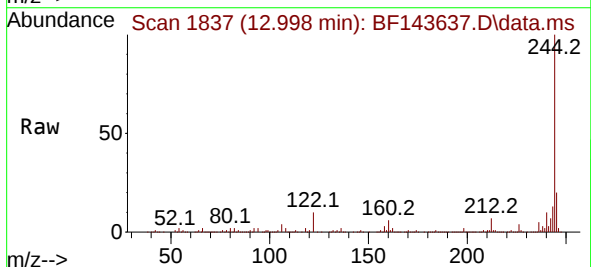
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

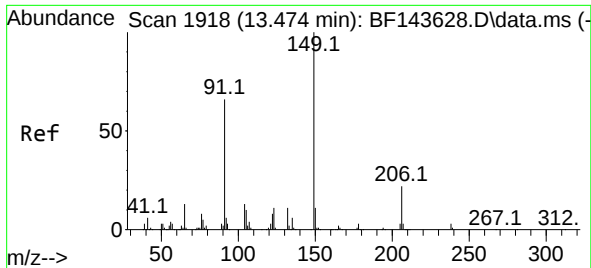
Tgt Ion:202 Resp: 35303  
Ion Ratio Lower Upper  
202 100  
200 22.7 16.7 25.1  
203 18.8 14.0 21.0



#79  
Terphenyl-d14  
Concen: 76.354 ng  
RT: 12.998 min Scan# 1837  
Delta R.T. 0.000 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

Tgt Ion:244 Resp: 880798  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.3 7.9  
122 10.3 8.3 12.5

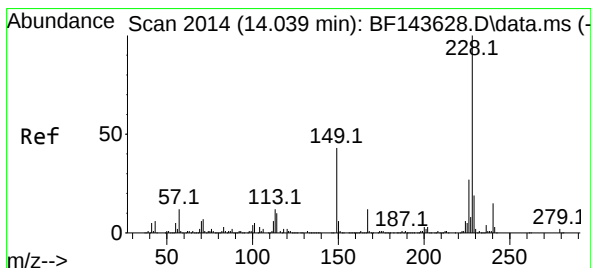
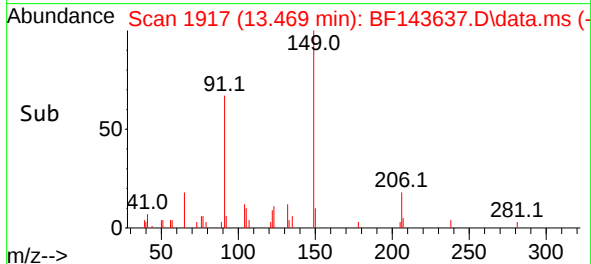
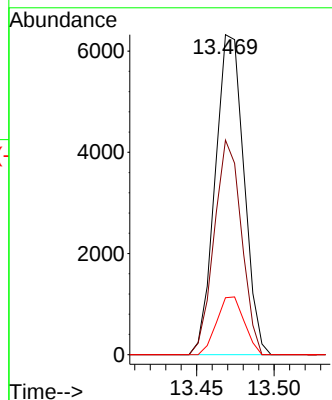
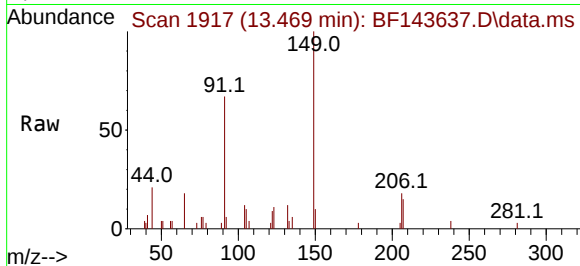




#80  
Butylbenzylphthalate  
Concen: 4.803 ng  
RT: 13.469 min Scan# 1918  
Delta R.T. -0.005 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

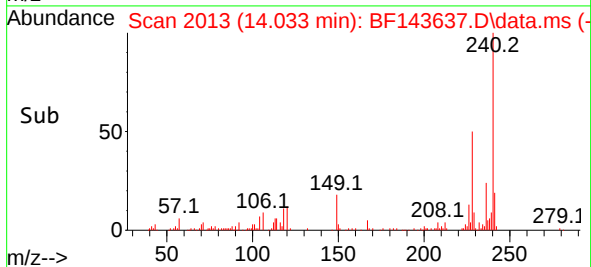
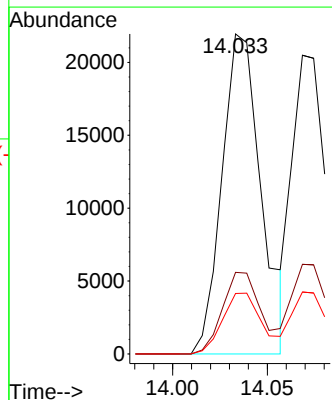
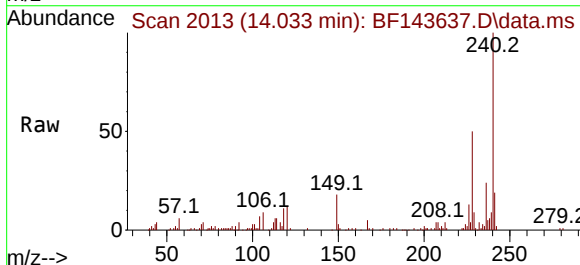
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

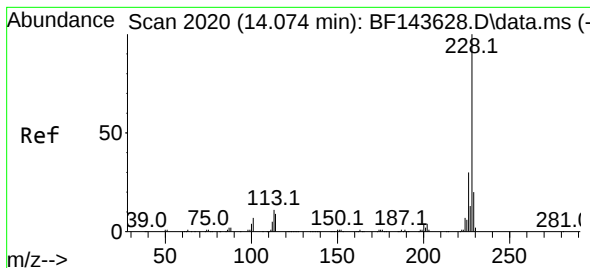
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 8162      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 91          | 67.1  | 53.0 79.4 |
| 206         | 17.8  | 17.4 26.2 |



#81  
Benzo(a)anthracene  
Concen: 2.533 ng  
RT: 14.033 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 31530     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 25.5  | 21.4 32.2 |
| 229         | 18.9  | 15.5 23.3 |





#83

Chrysene

Concen: 2.279 ng

RT: 14.069 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

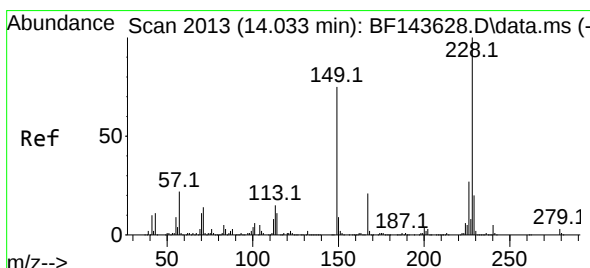
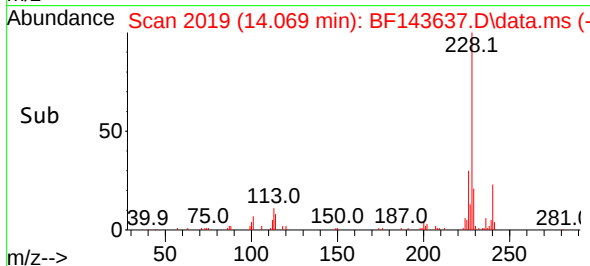
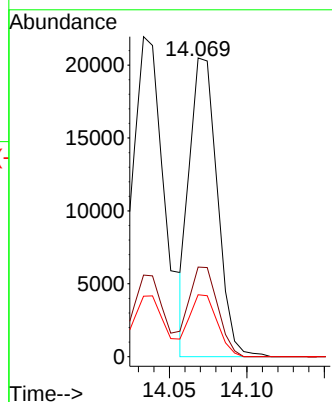
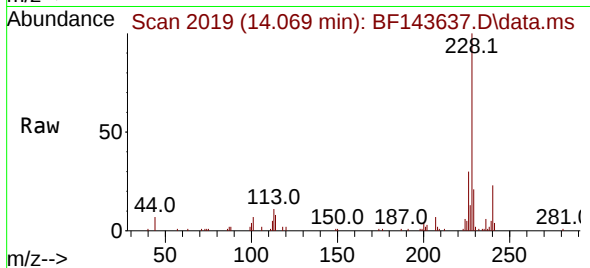
Tgt Ion:228 Resp: 25502

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 20.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.309 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

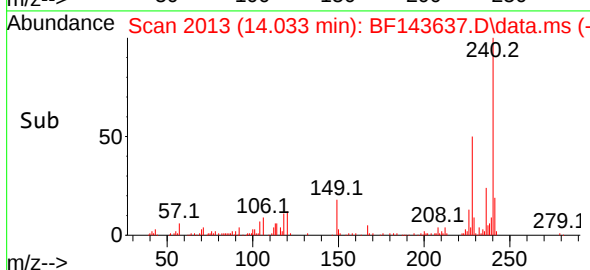
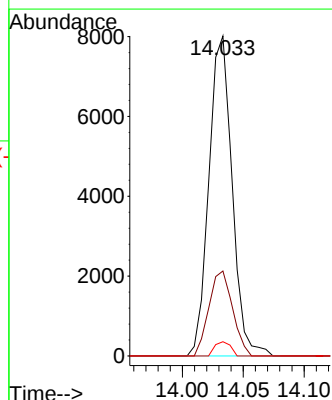
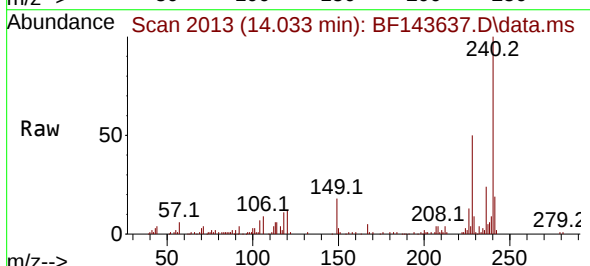
Tgt Ion:149 Resp: 10654

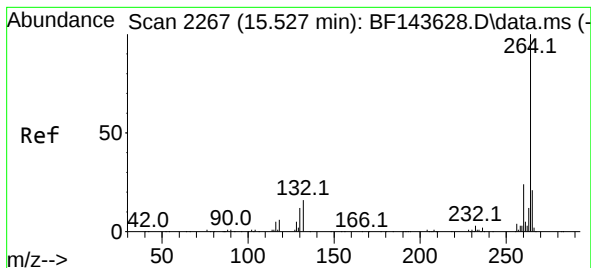
Ion Ratio Lower Upper

149 100

167 26.5 22.1 33.1

279 4.5 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143637.D

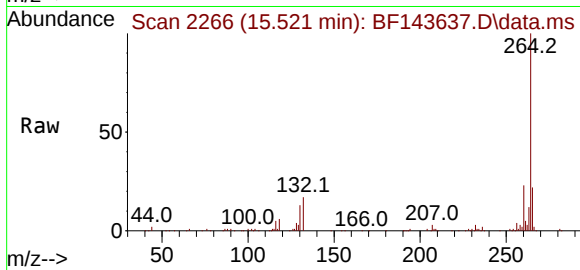
Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025



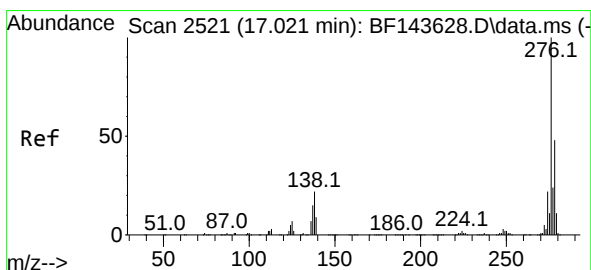
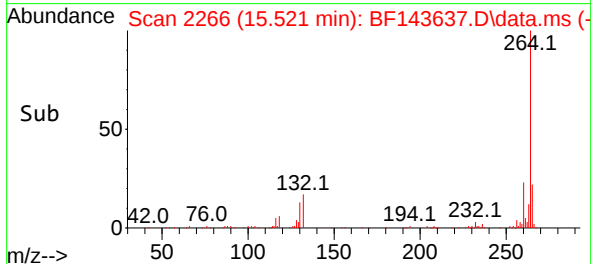
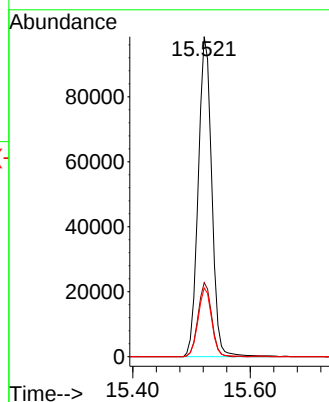
Tgt Ion:264 Resp: 157085

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.5 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.145 ng

RT: 17.004 min Scan# 2518

Delta R.T. -0.018 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

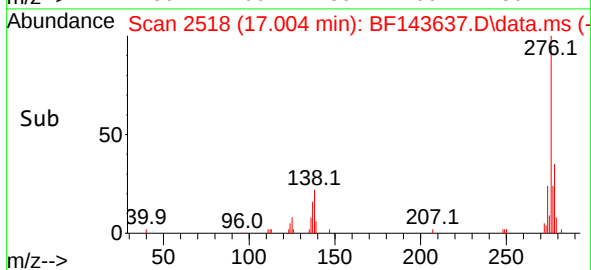
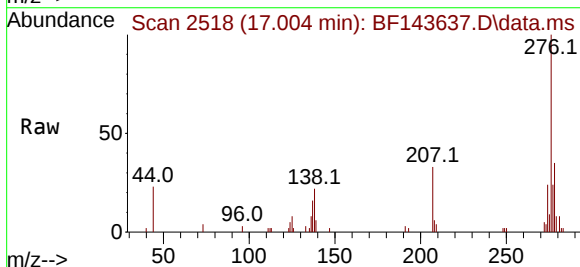
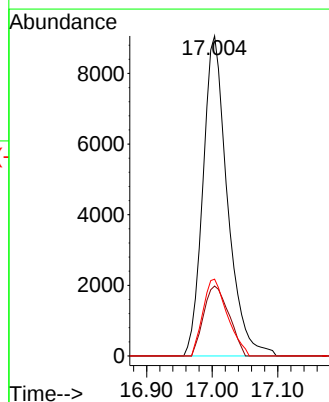
Tgt Ion:276 Resp: 23495

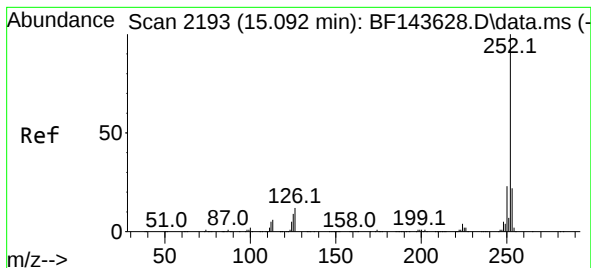
Ion Ratio Lower Upper

276 100

138 22.6 19.8 29.6

277 23.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 2.098 ng

RT: 15.086 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

Instrument :

BNA\_F

ClientSampleId :

LOQ-SOIL-02-QT3-2025

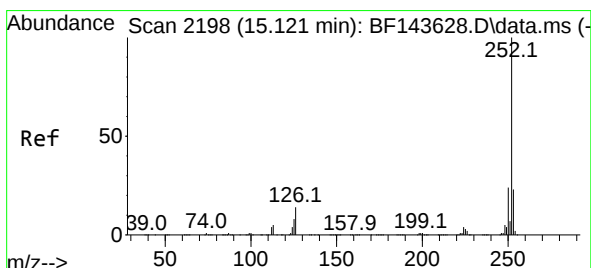
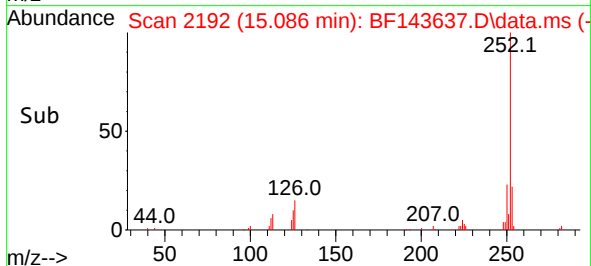
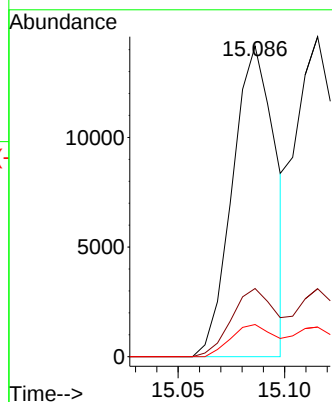
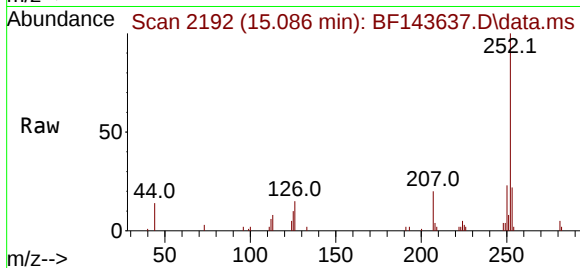
Tgt Ion:252 Resp: 19859

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 10.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 2.596 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF143637.D

Acq: 04 Sep 2025 11:48

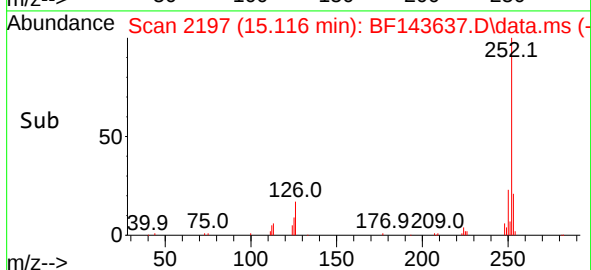
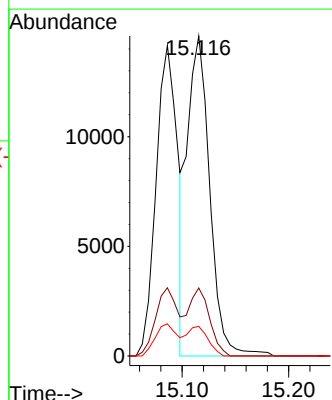
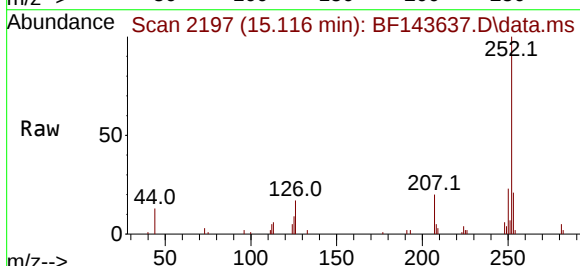
Tgt Ion:252 Resp: 21246

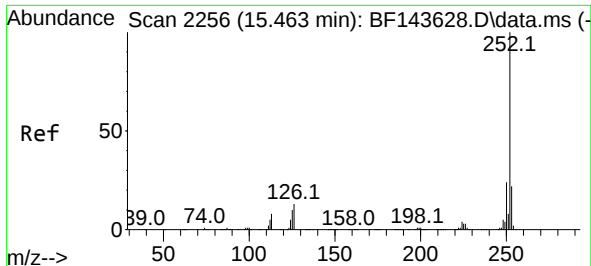
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 9.2 7.3 10.9

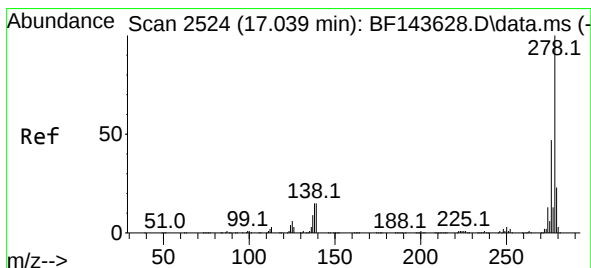
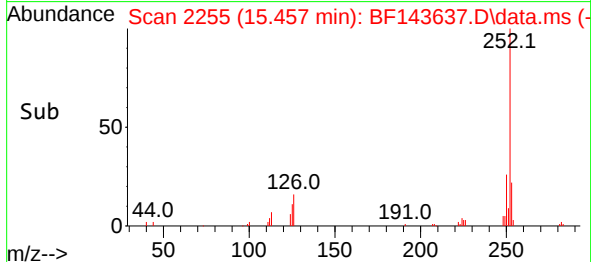
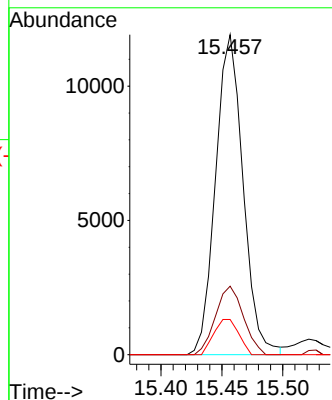
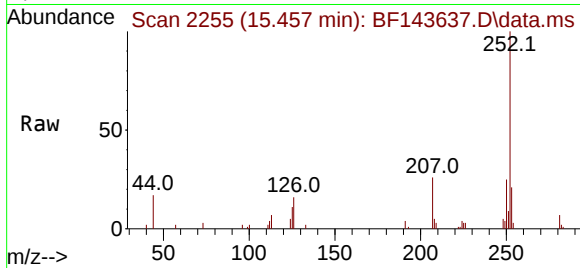




#90  
Benzo(a)pyrene  
Concen: 2.303 ng  
RT: 15.457 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

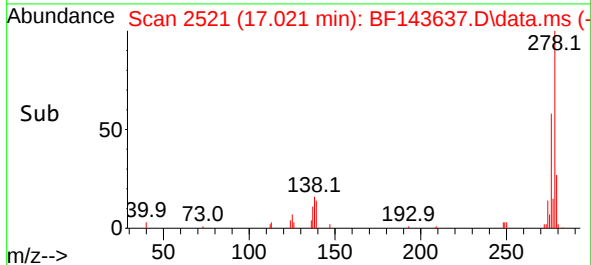
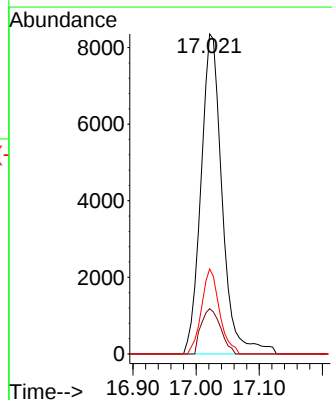
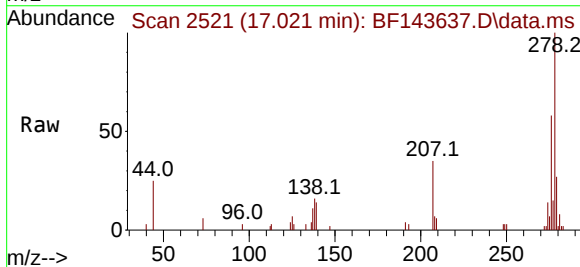
Instrument :  
BNA\_F  
ClientSampleId :  
LOQ-SOIL-02-QT3-2025

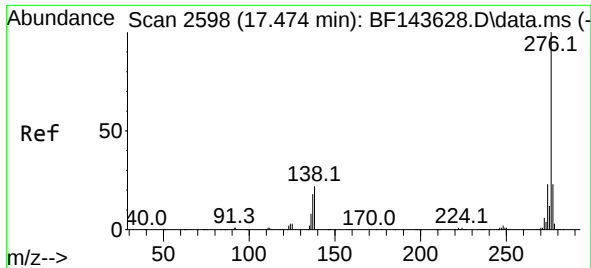
Tgt Ion:252 Resp: 18733  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.2  
125 11.0 8.3 12.5



#91  
Dibenzo(a,h)anthracene  
Concen: 2.159 ng  
RT: 17.021 min Scan# 2521  
Delta R.T. -0.018 min  
Lab File: BF143637.D  
Acq: 04 Sep 2025 11:48

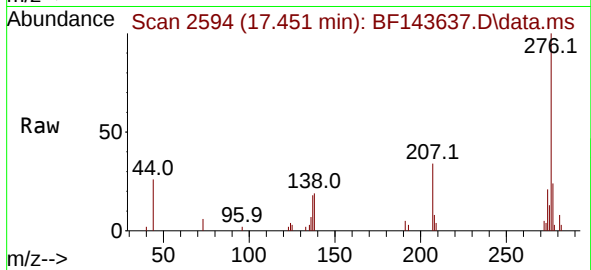
Tgt Ion:278 Resp: 19446  
Ion Ratio Lower Upper  
278 100  
139 14.1 12.4 18.6  
279 26.5 18.7 28.1





#92  
 Benzo(g,h,i)perylene  
 Concen: 2.232 ng  
 RT: 17.451 min Scan# 21  
 Delta R.T. -0.023 min  
 Lab File: BF143637.D  
 Acq: 04 Sep 2025 11:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2025



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 19365 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.2  | 18.7  | 28.1  |
| 138       | 18.9  | 17.2  | 25.8  |

