

## Supplementary files

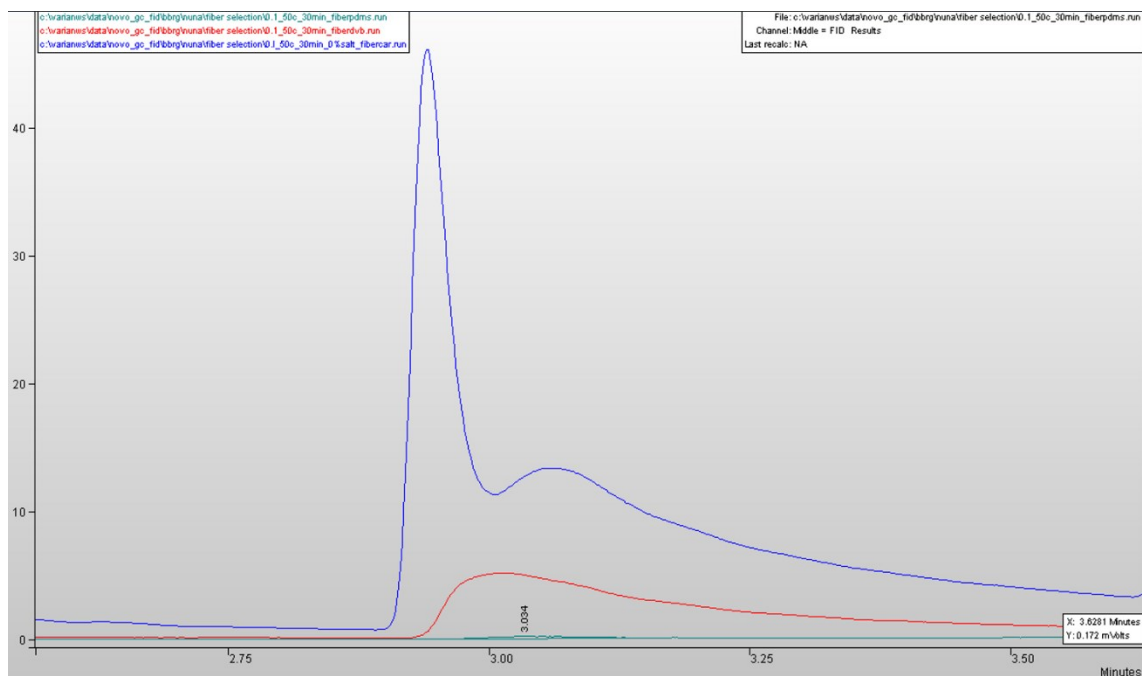


Figure S1 – Chromatograms for fiber selection, corroborating the results presented in Figure 2.

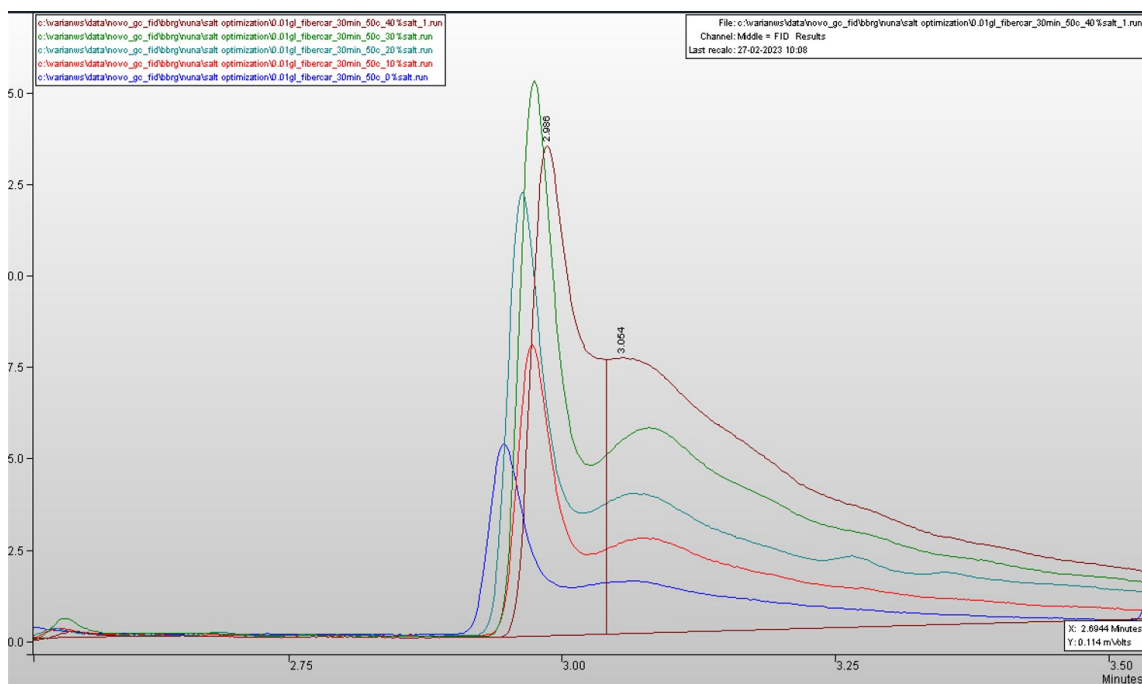


Figure S2 – Chromatograms for salt concentration selection, corroborating the results presented in Figure 3.

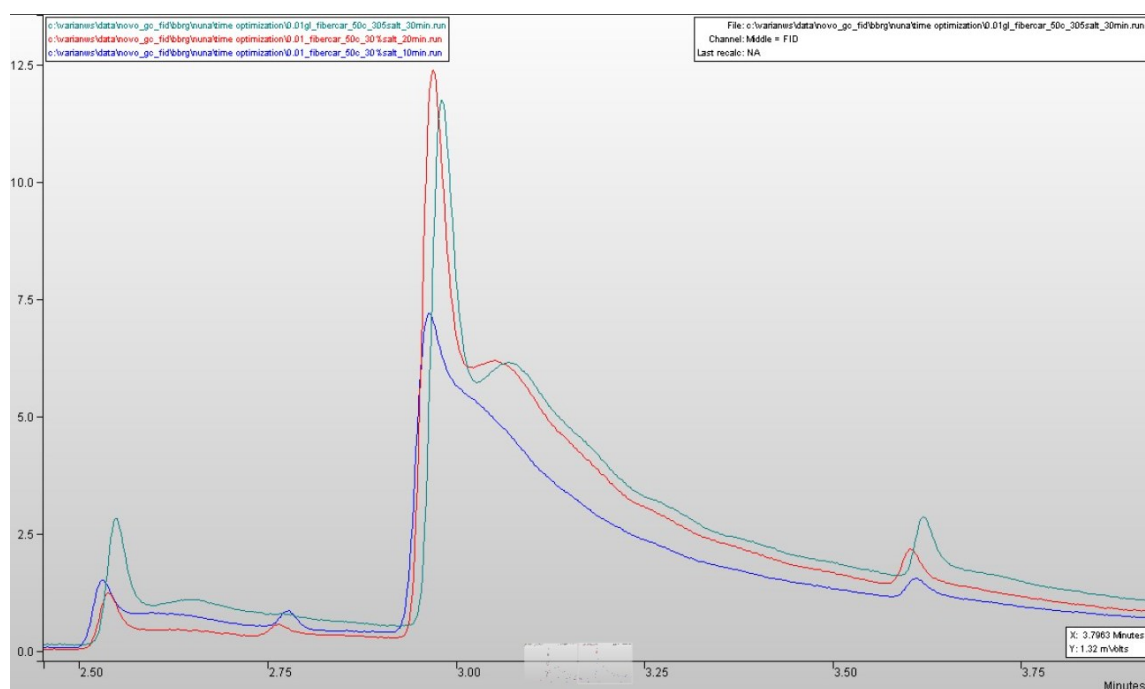


Figure S3 – Chromatograms for time selection, corroborating the results presented in Figure 4.

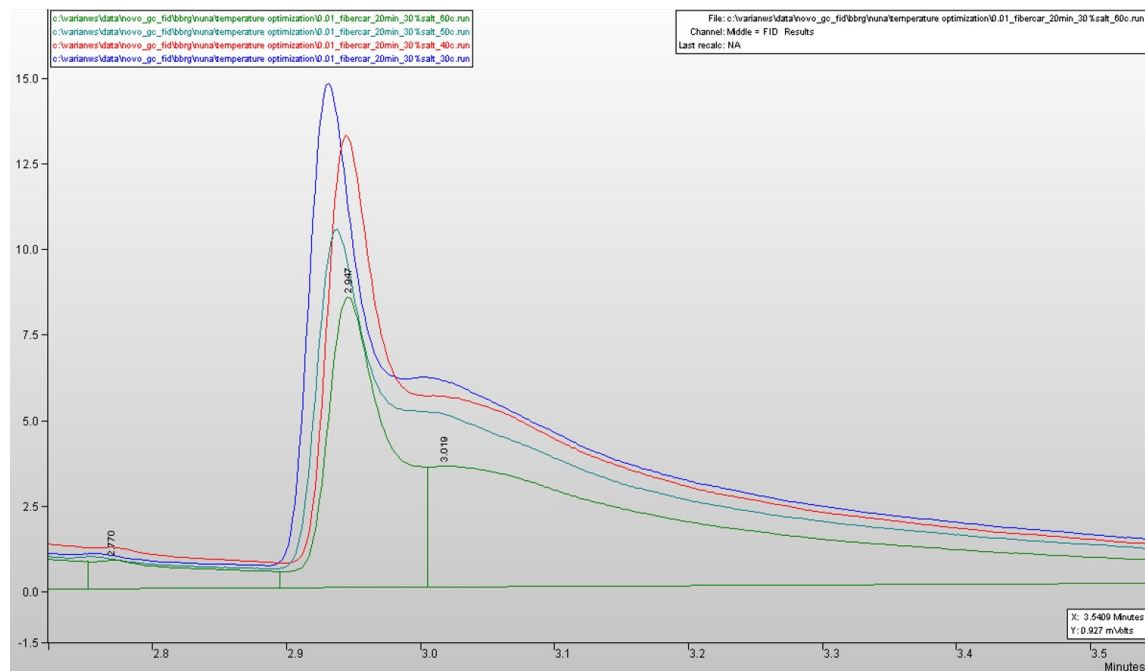


Figure S4 – Chromatograms for temperature selection, corroborating the results presented in Figure 5.

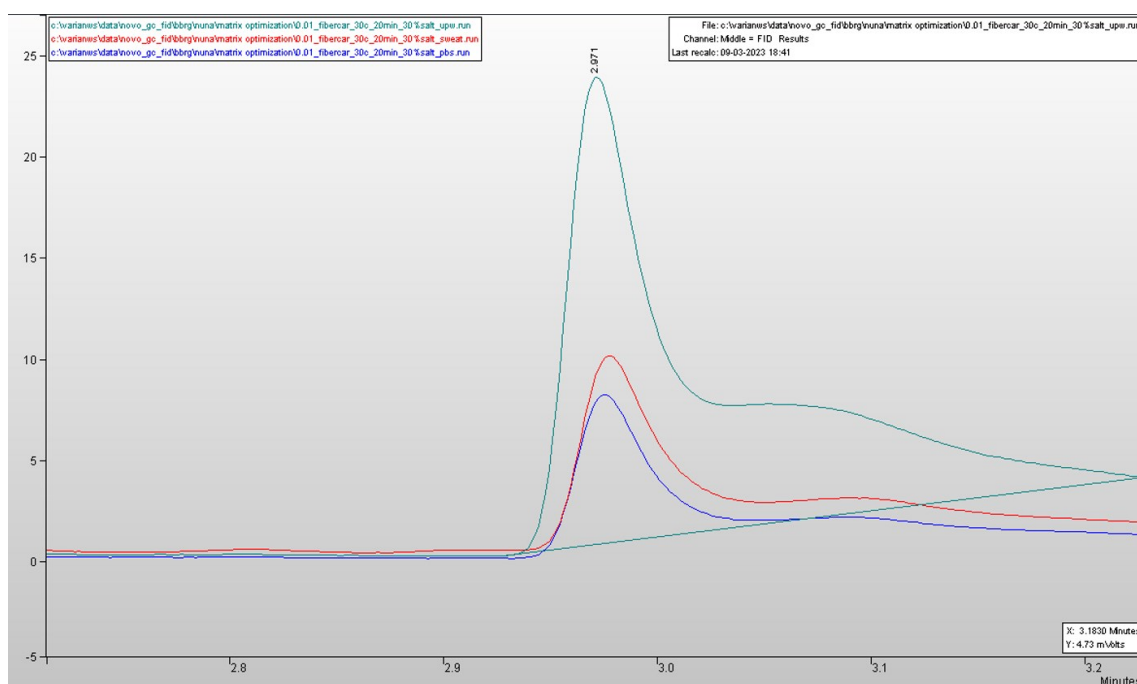


Figure S5 – Chromatograms for matrix selection, corroborating the results presented in Figure 6.

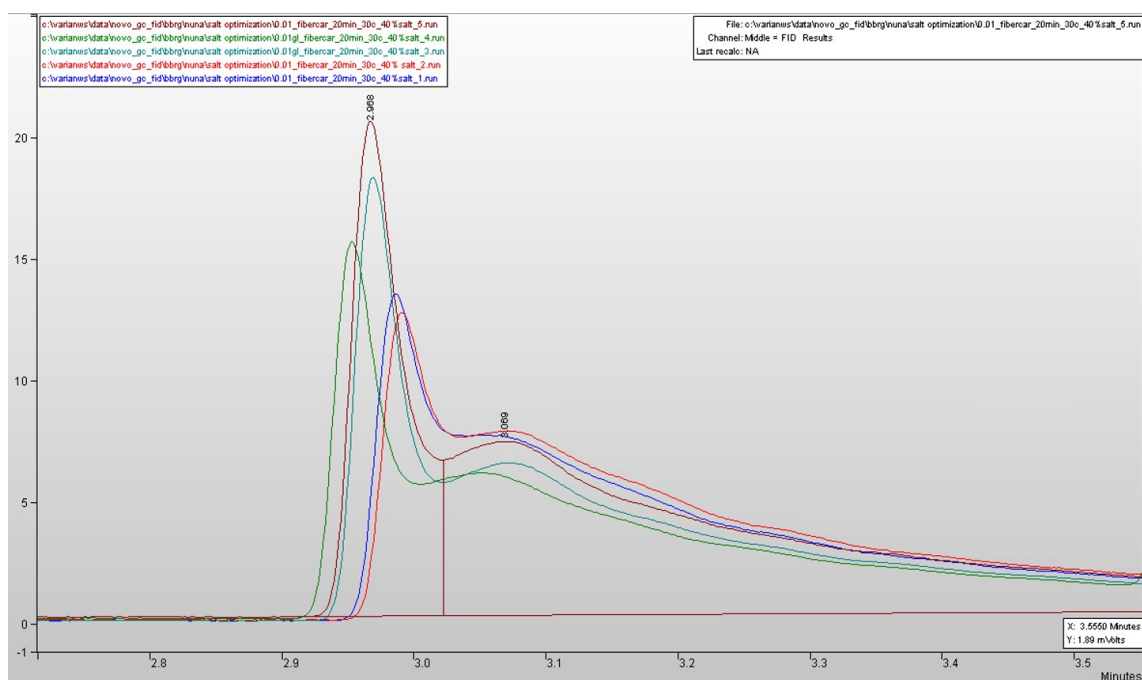


Figure S6 – Chromatogram of different samples tested in 40% salt, indicating that the 40% NaCl concentration was impractical and lacked reproducibility.