

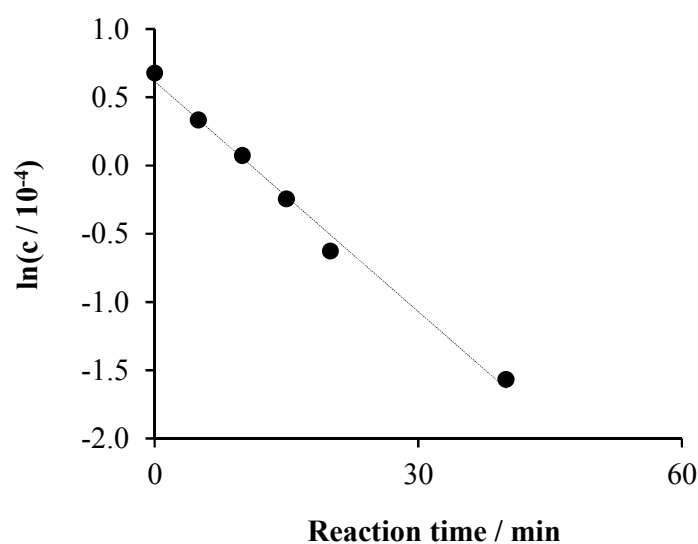
## Supplementary Materials

to

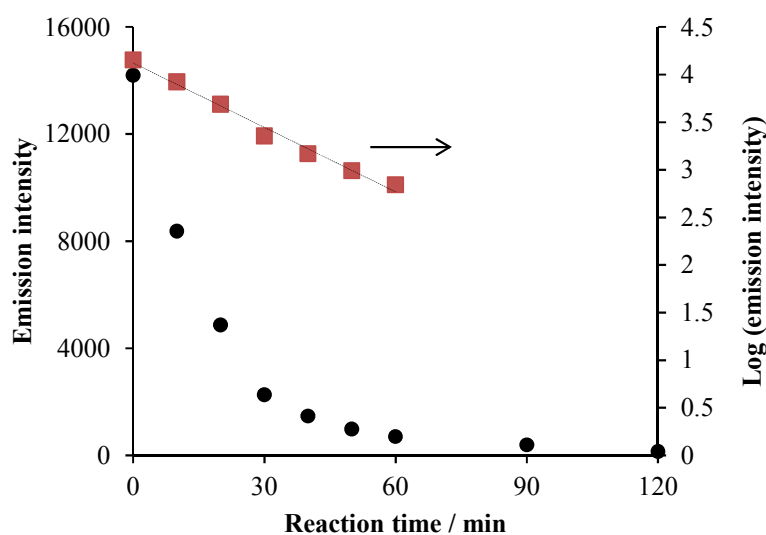
### TiO<sub>2</sub> mediated photocatalytic mineralization of a non-ionic detergent: comparison and combination with other advanced oxidation procedures

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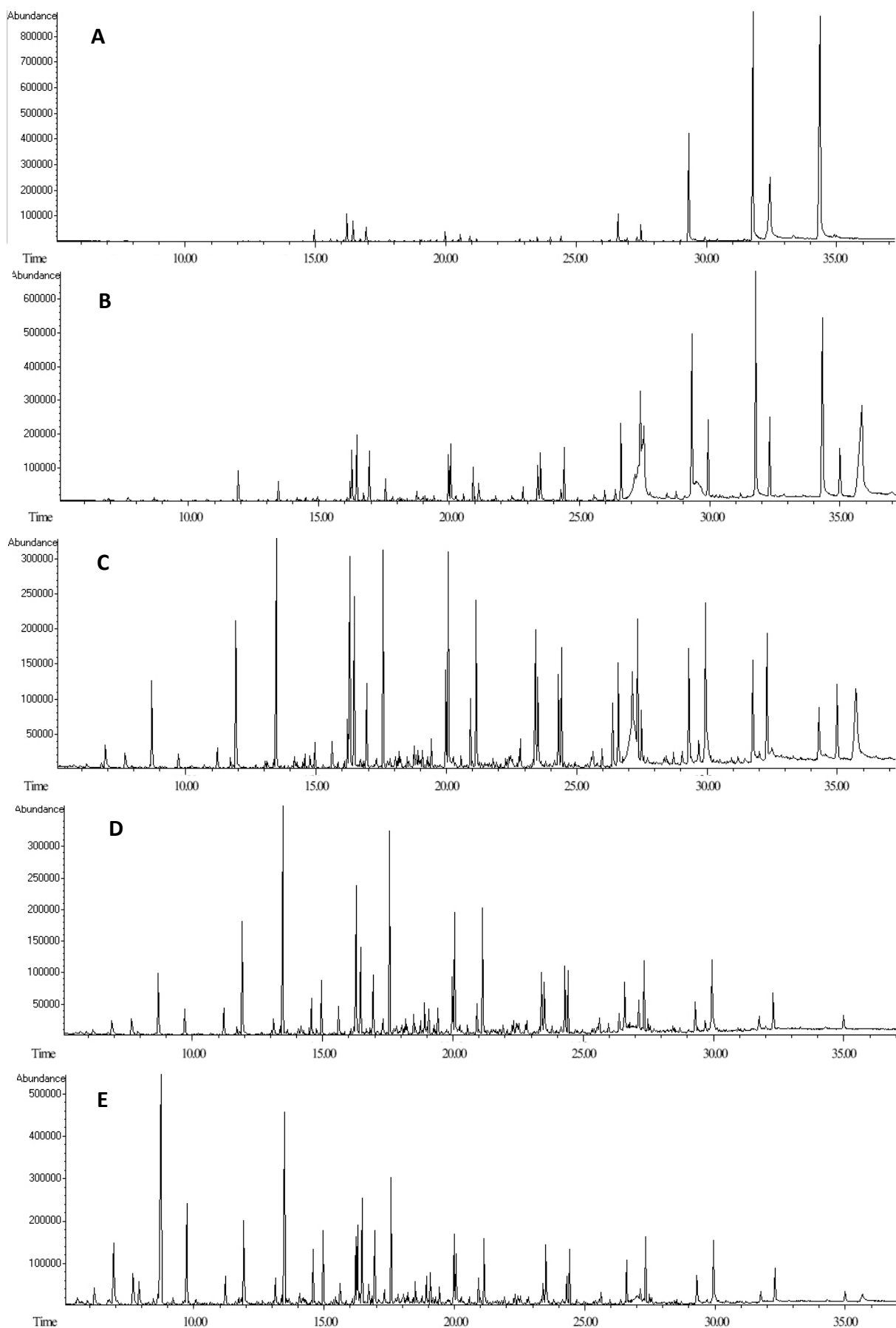
**Figure S1.** Ln(c) vs. time plot for the starting tensid during the photocatalysis in the aerated system containing  $2 \times 10^{-4} \text{ mol dm}^{-3}$  Triton X-100 and  $1 \text{ g dm}^{-3}$  catalyst ( $l = 1 \text{ cm}$ ).

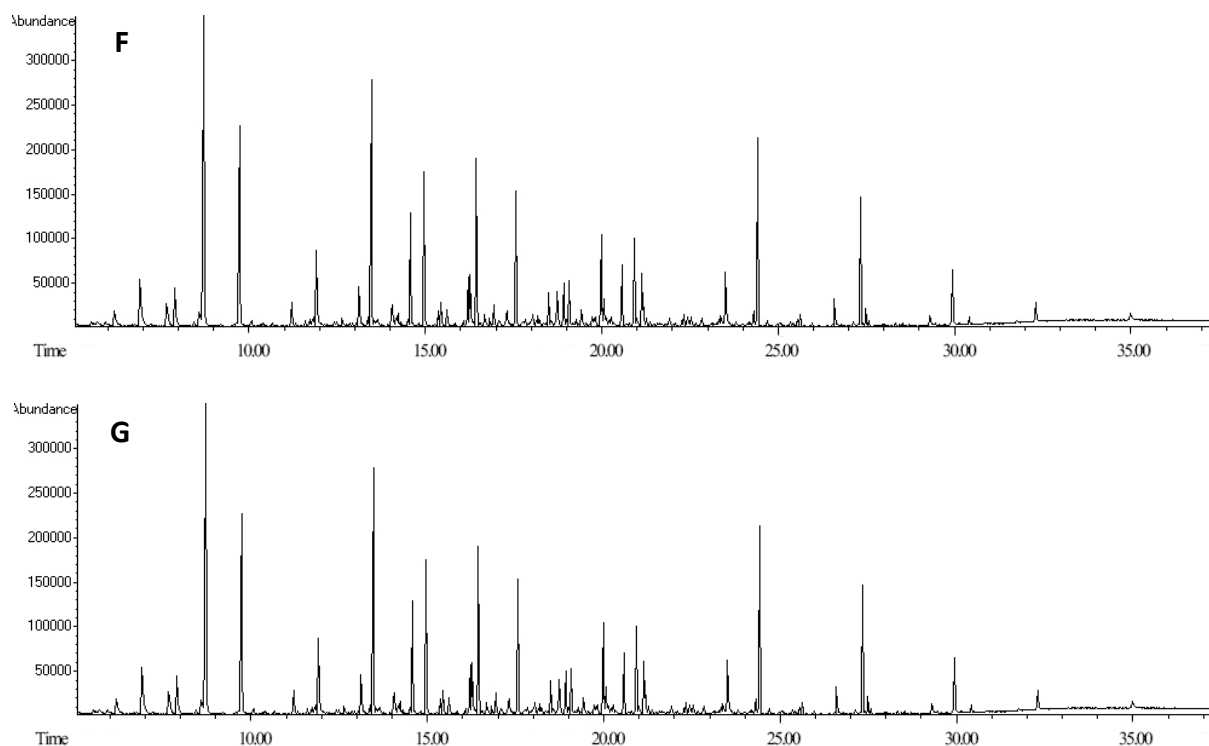


**Figure S2.** The change of the emission intensity (after removal of the suspended TiO<sub>2</sub>) during the photocatalysis in the aerated system containing  $2 \times 10^{-4} \text{ mol dm}^{-3}$  Triton X-100 and  $1 \text{ g dm}^{-3}$  catalyst ( $l = 1 \text{ cm}$ ,  $\lambda_{\text{ex}} = 277 \text{ nm}$ ,  $\lambda_{\text{em}} = 302 \text{ nm}$ ).



**Figure S3.** Total ion chromatogram of the components extracted from the reaction mixture after 0 min (A), 10 min (B), 30 min (C), 60 min (D), 90 min (E), 120 min (F), and 180 min (G) irradiation.





**Figure S4.** Mass spectra of the typical components extracted from the reaction mixture. The corresponding retention times: 34.36 min (A), 31.78 min (B), 29.32 min (C), 26.60 min (D), 23.51 min (E), 16.46 min (F), 11.92 min (G), 9.73 min (H).

