

Supplementary Materials:

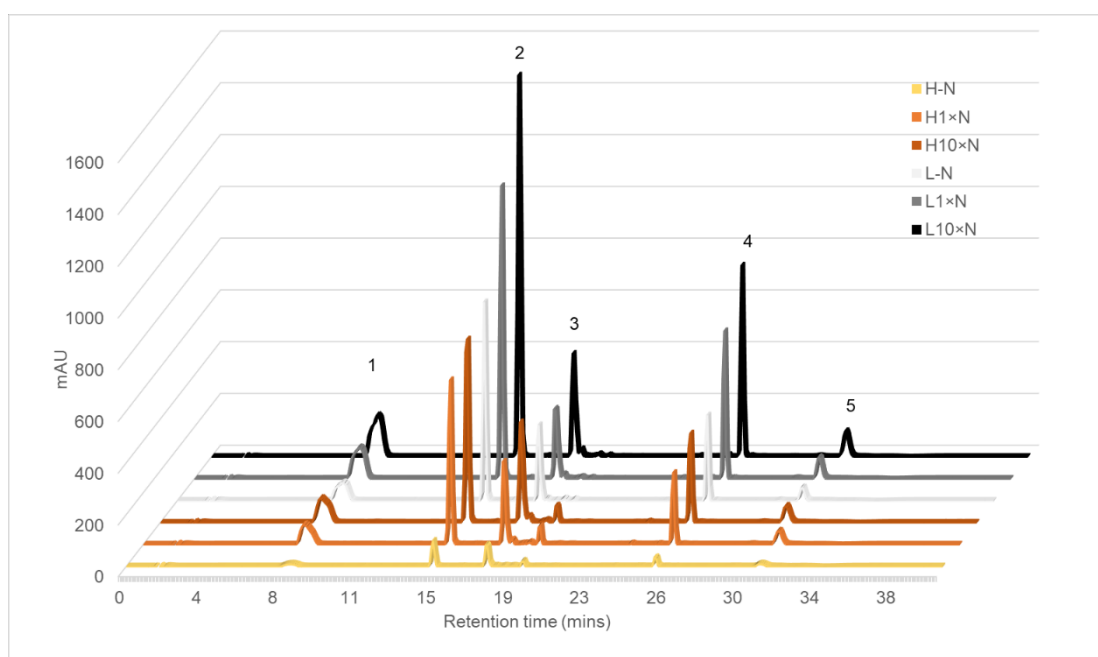


Figure S1. Representative HPLC chromatograms of *Phaeodactylum tricornutum* extract from each treatment group. Treatment abbreviations are as follows: nitrate-free ASW media (-N), standard (1xN) nitrate media, or media with 10× nitrate (10xN) and either 10 (LL) or 200 (HL) $\mu\text{mol photons m}^{-2} \text{s}^{-1}$. Peaks numbers are represented as follows: 1: Chlorophyll c; 2: Fucoxanthin; 3: Diadinoxanthin; 4: Chlorophyll a; 5: β-carotene.