Are n-3 PUFA from microalgae incorporated into membrane- and storage lipids in pig muscle tissues? – A lipidomic approach

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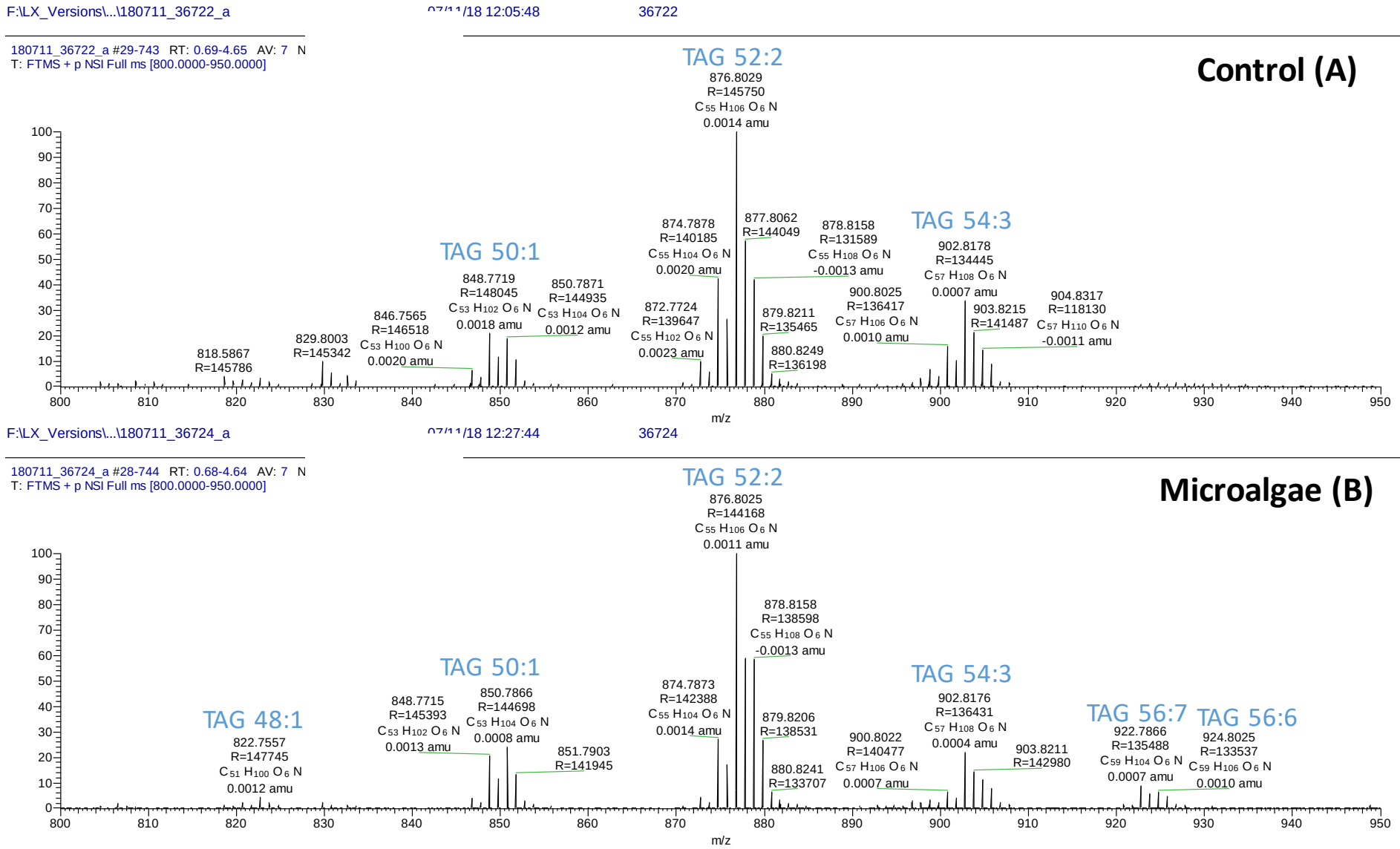
The supporting Information includes the file (Supplemented figure 1.pptx)

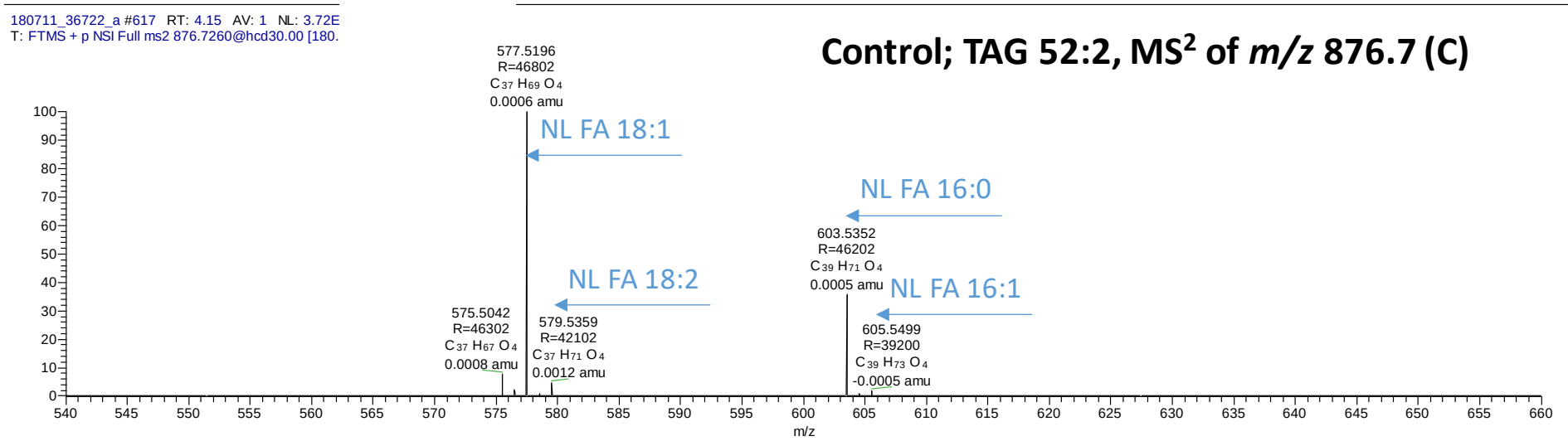
S4 Exemplary MS spectra of muscle tissue lipid extracts in the positive ion mode
S5 Exemplary MS^2 spectra of TAG 52:2 present in muscle tissue lipid extracts
S6 Exemplary MS^2 spectra of TAG 56:6 present in muscle tissue lipid extracts
S7 Exemplary MS^2 spectra of TAG 54:6 present in muscle tissue lipid extracts

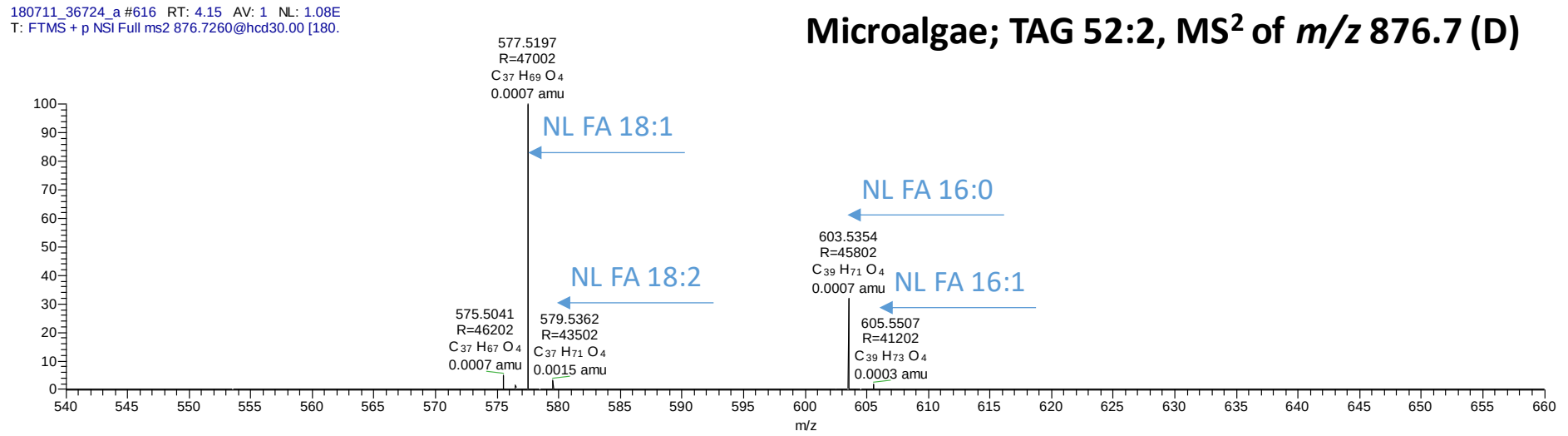
Supplement Figure 1



S4 Exemplary MS spectra of muscle tissue lipid extracts in the positive ion mode. TAGs are ionized as $[M+NH_4]^+$ adduct ions.
The *m/z* region 800-950 is shown for A) control diet B) diet supplemented with microalgae.
Main TAG species are assigned including *m/z*, resolution (R), chemical sum composition and mass difference.

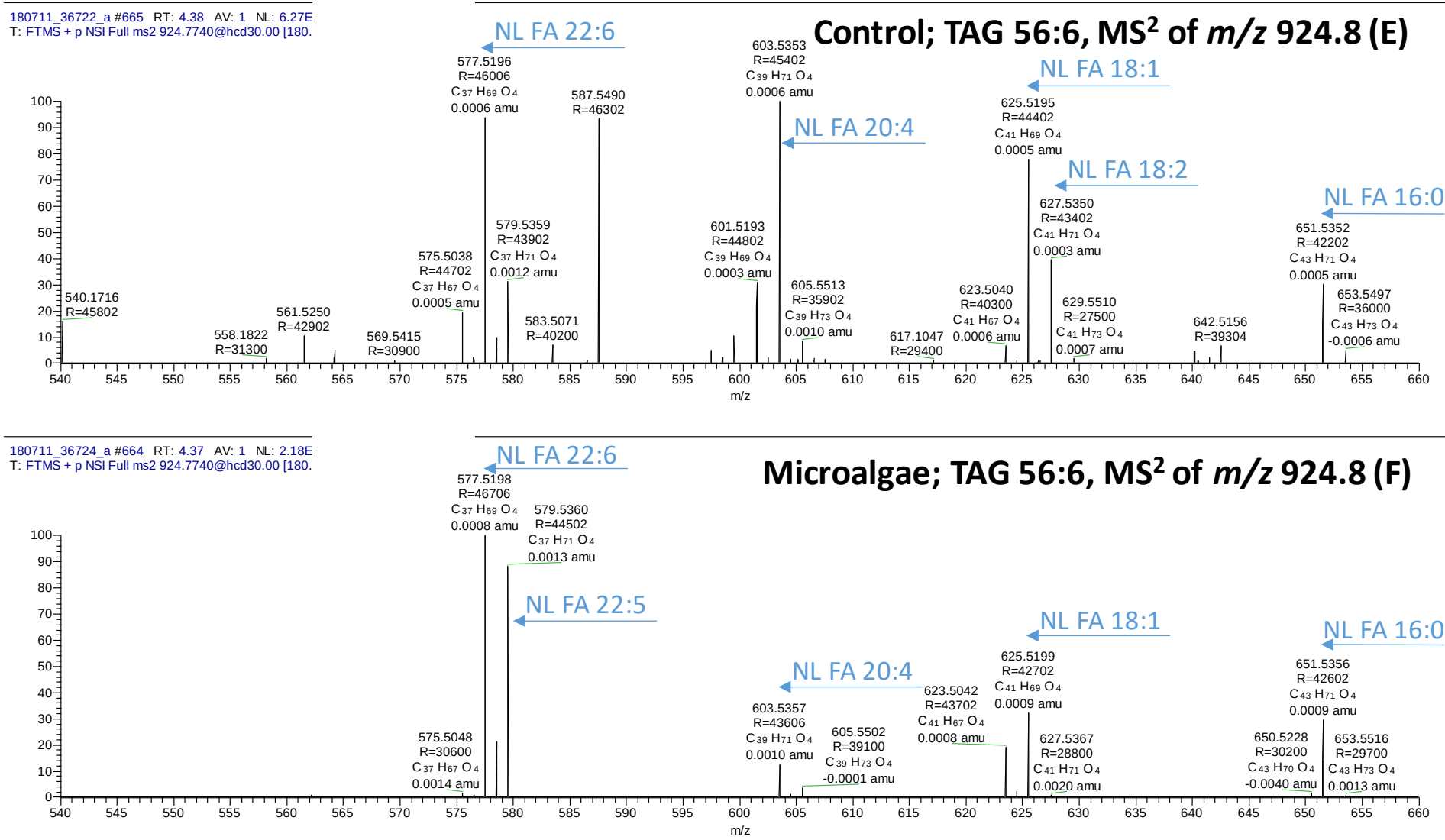
Supplement Figure 2





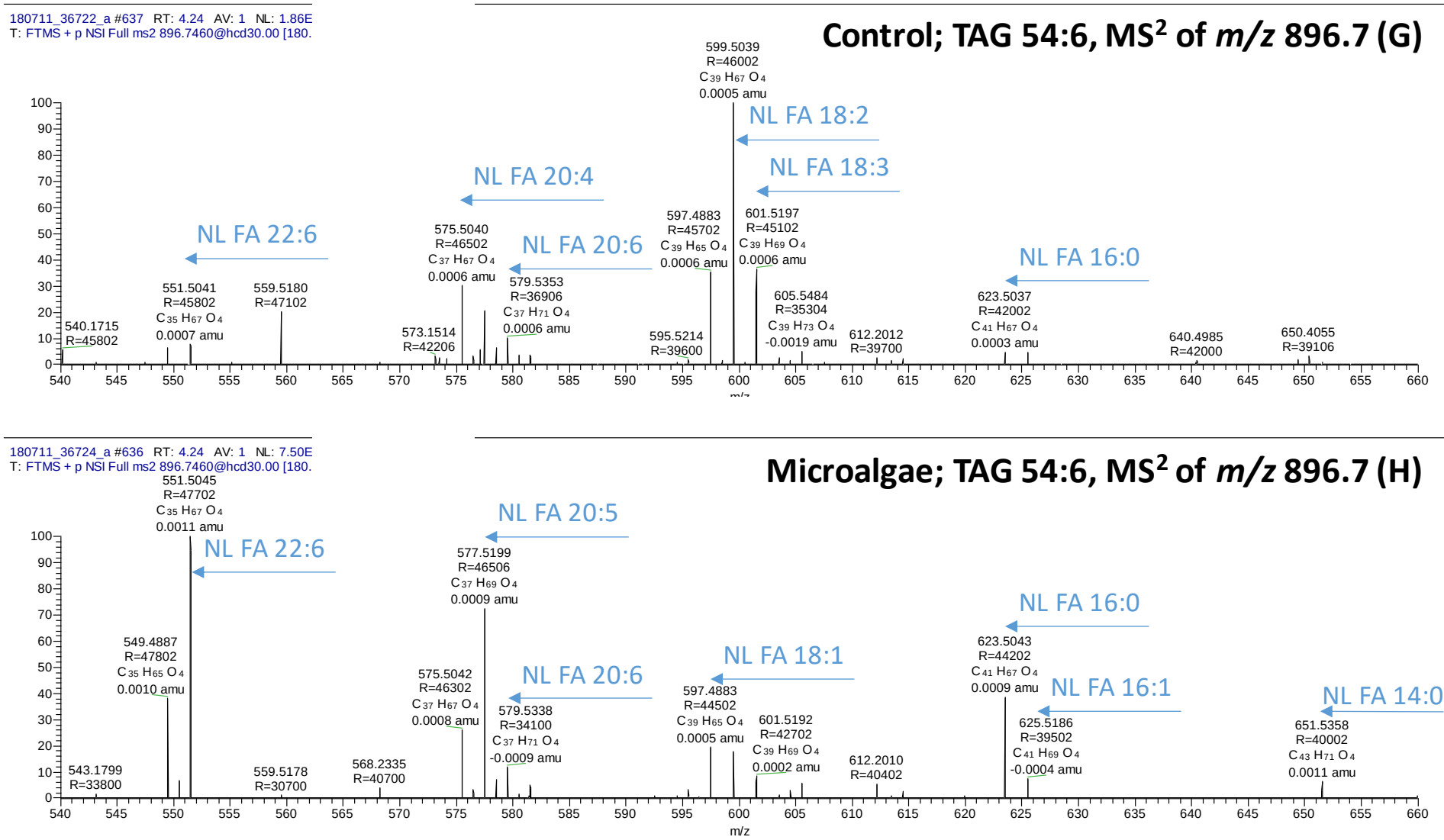
S5 Exemplary MS^2 spectra of TAG 52:2 present in muscle tissue lipid extracts C) control diet D) diet supplemented with microalgae. Major peaks are assigned according to earlier described fragmentation of $[TAG+NH_4]^+$ adduct ions that undergo a neutral loss (NL) of the fatty acid and ammonia [35]. The spectral region (*m/z* 540-660) is shown for better overview on the resulting $[DAG-OH]^+$ fragment ions.

Supplement Figure 3



S6 Exemplary MS^2 spectra of TAG 56:6 present in muscle tissue lipid extracts E) control diet F) diet supplemented with microalgae. Major peaks are assigned according to earlier described fragmentation of $[TAG+NH_4]^+$ adduct ions that undergo a neutral loss (NL) of the fatty acid and Ammonia [35]. The spectral region (*m/z* 540-660) is shown for better overview on the resulting $[DAG\text{-}OH]^+$ fragment ions.

Supplement Figure 4



S7 Exemplary MS^2 spectra of TAG 54:6 present in muscle tissue lipid extracts G) control diet H) diet supplemented with microalgae. Major peaks are assigned according to earlier described fragmentation of $[TAG+NH_4]^+$ adduct ions that undergo a neutral loss (NL) of the fatty acid and ammonia [35] The spectral region (*m/z* 540-660) is shown for better overview on the resulting $[DAG\text{-}OH]^+$ fragment ions.