

Supporting Information

Title of Publication:

Modified-Atmospheric Pressure-Matrix Assisted Laser Desorption/Ionization Identification of Friction Modifier Additives Oleamide and Ethoxylated Tallow Amines on Varied Metal Target Materials and Tribologically Stressed Steel Surfaces

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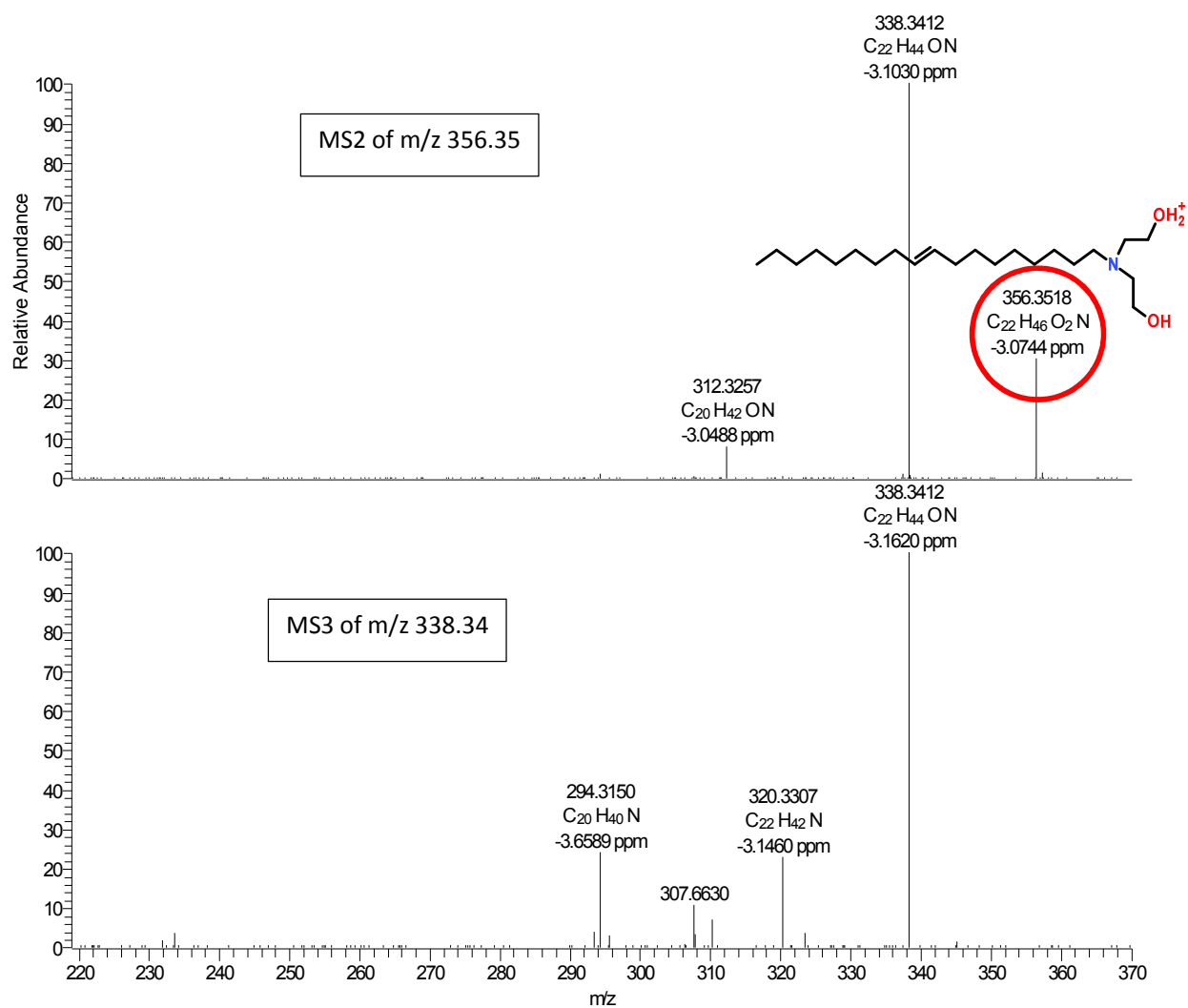
Supporting Information:

This document presents CID-spectra of N-containing additives and degradation products thereof after SRV-tribotests as supplementary information to the original publication. Oil residues were rinsed from the steel disc after the tribotest with methanol and samples were subsequently measured via ESI-MS as described in the publication.

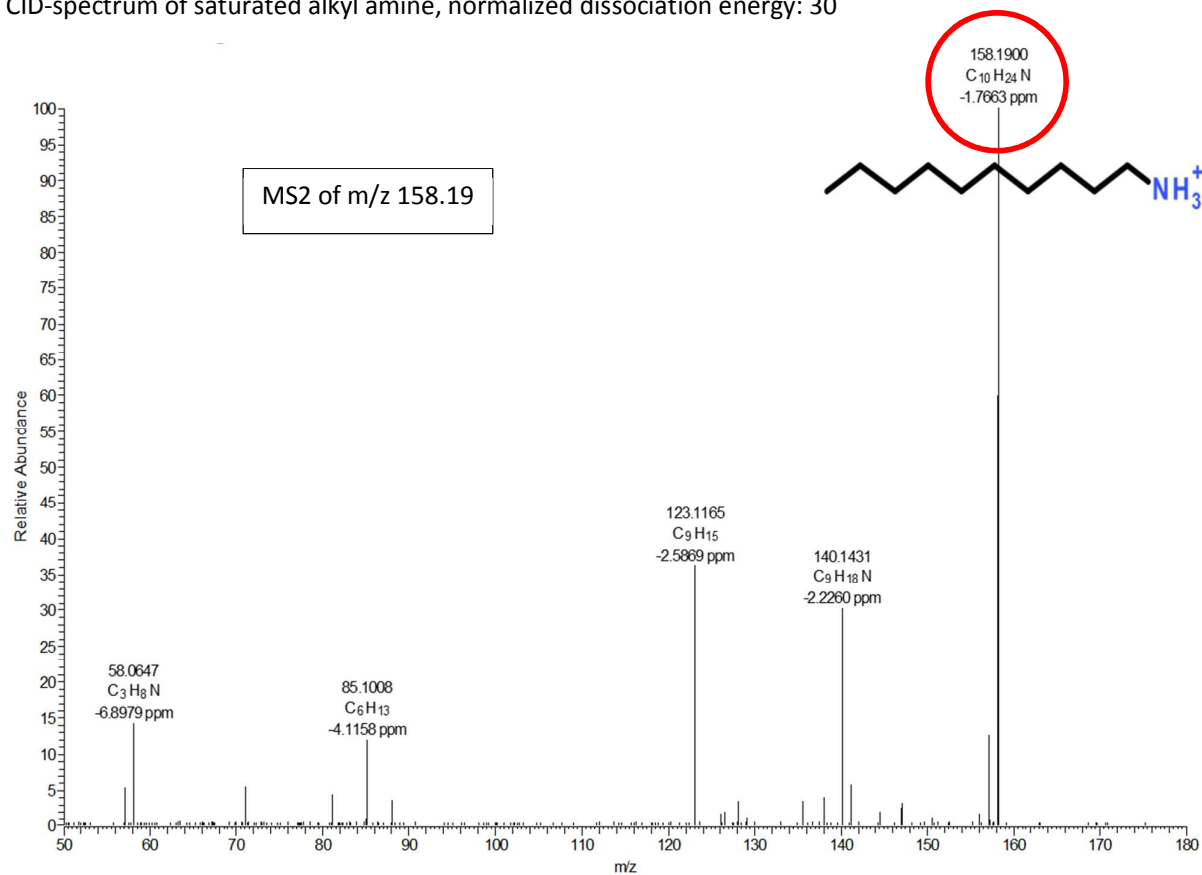
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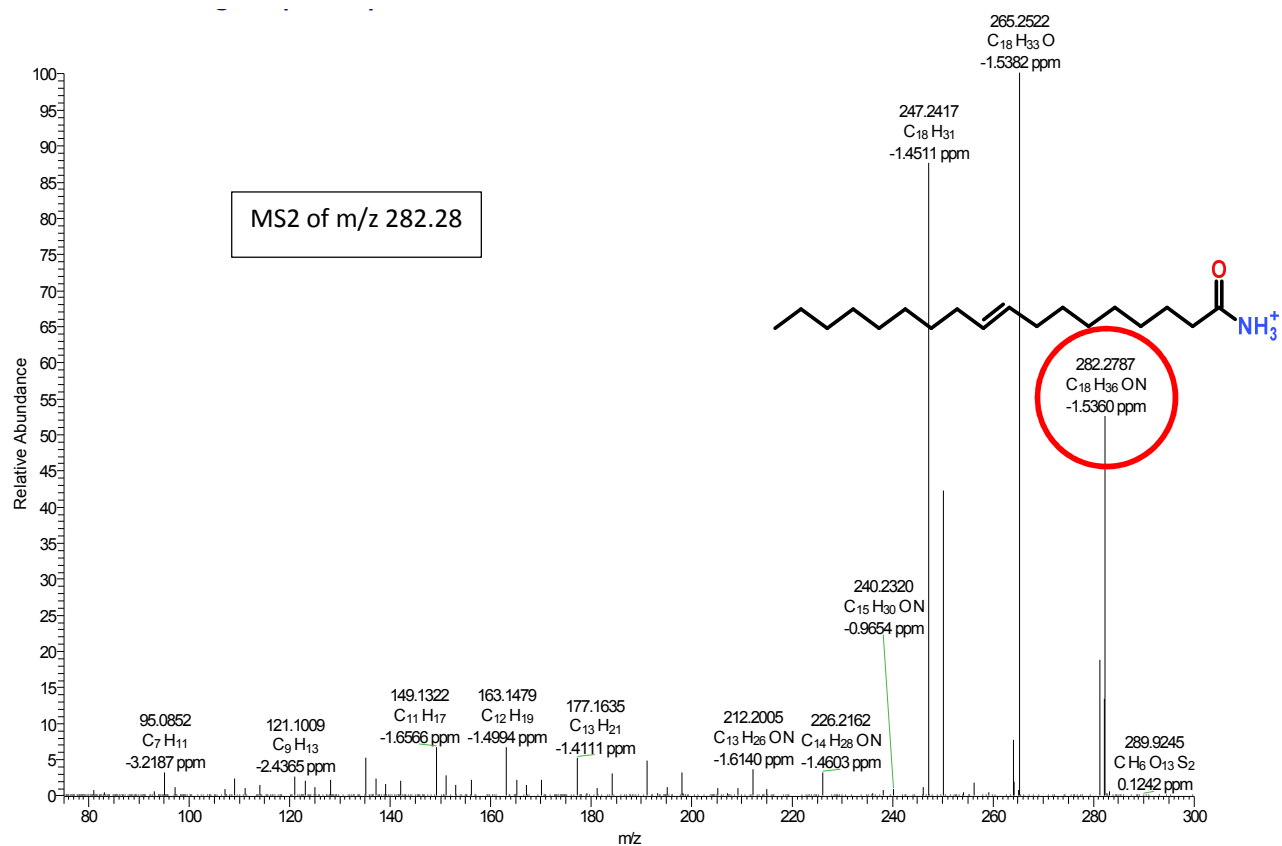
CID-spectrum of protonated polyethoxylated tallow amine, normalized dissociation energy: 30



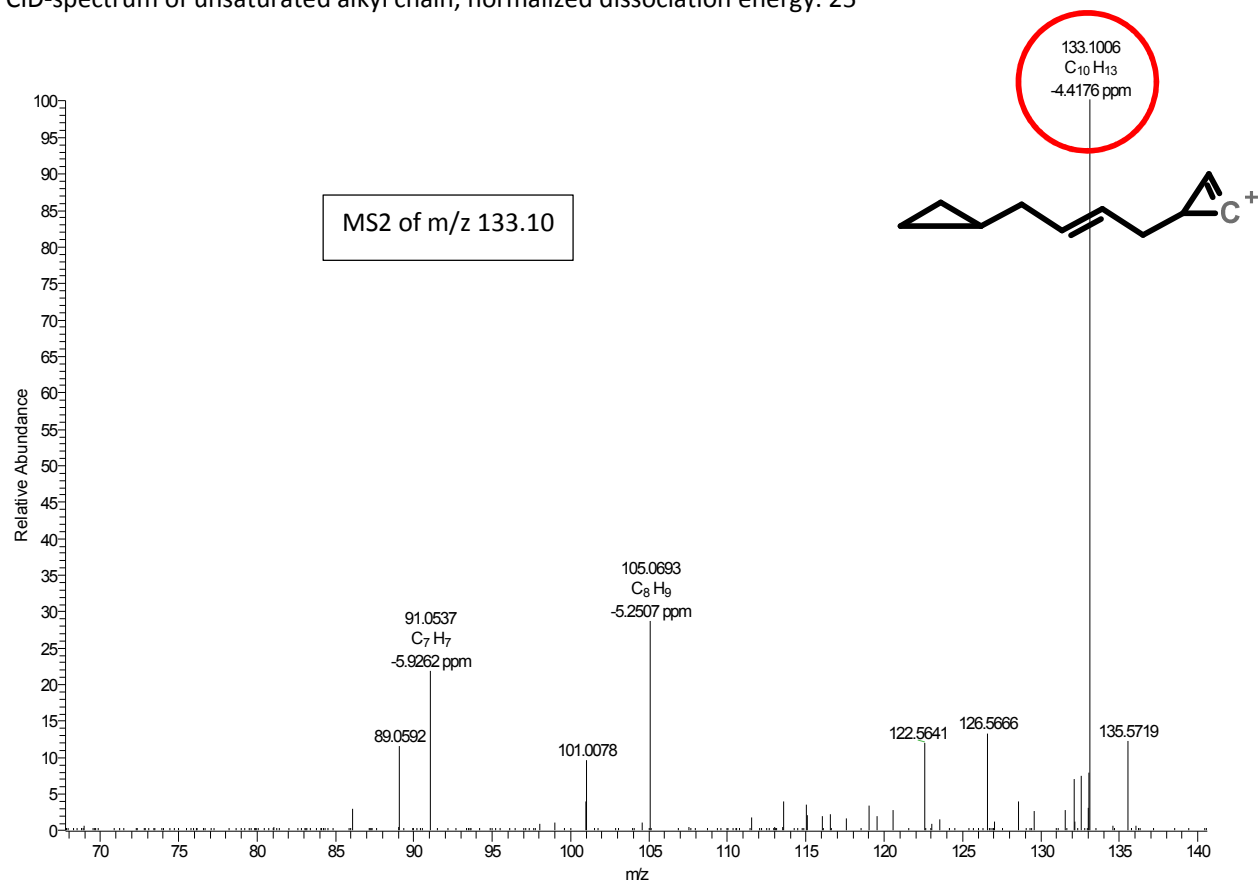
CID-spectrum of saturated alkyl amine, normalized dissociation energy: 30



CID-spectrum of protonated oleic acid amide, normalized dissociation energy: 20



CID-spectrum of unsaturated alkyl chain, normalized dissociation energy: 25



CID-spectrum of nonenal, normalized dissociation energy: 25

