

Appendix IX: Spectral differences

Example of spectral difference between the MS fragment patterns in the NIST library and the ones recorded in this thesis (Fig. 3.16). Spectral differences appeared for e.g. fatty acids, 2,5-diketopiperazines and alkylnitriles.

The reference sample of the methyl ester of palmitic acid (Appendix IV) matches the one found in linseed oil.

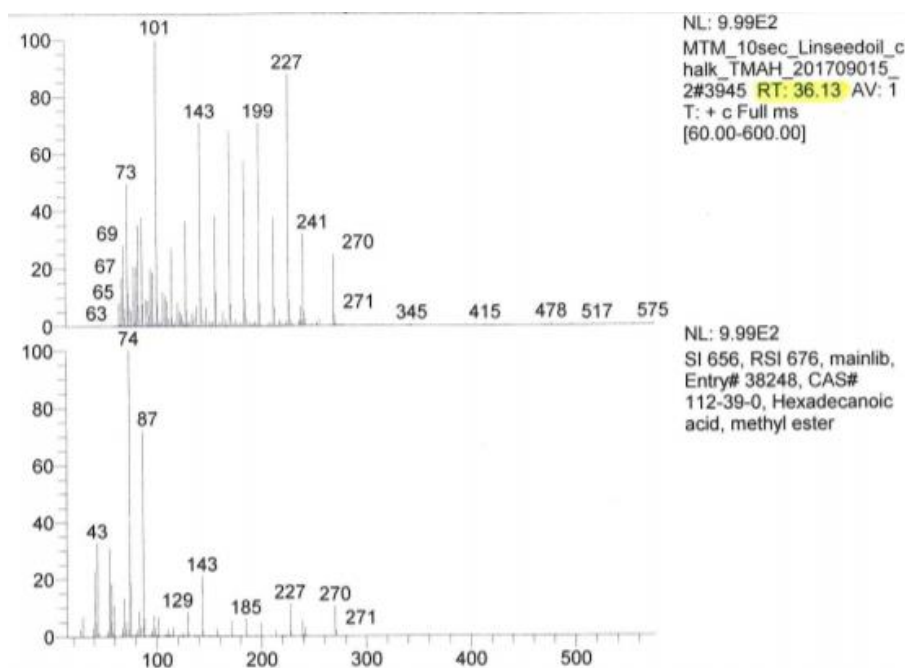


Figure AX-1: Comparison between mass spectrum for the methyl ester of palmitic acid in the NIST library (below) and the methyl ester of palmitic acid identified for linseed oil (above).