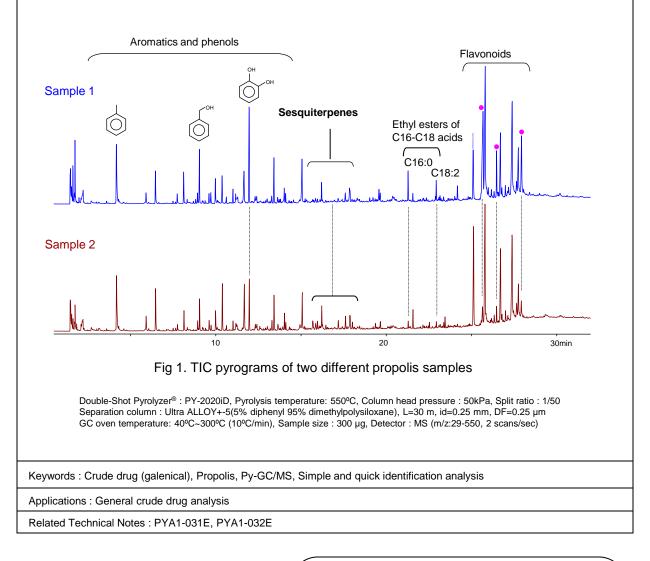


Py-GC/MS Analysis of Crude Drug Propolis From Different Areas

[Background] Composition and activity of crude drug propolis vary depending on factors such as species, collecting time, production area, and individual species. Flash pyrolysis (Py)-GC/MS technique was employed here to analyze propolis from two different producing areas, and the compositions were compared.

[Experimental] Py-GC/MS technique was used to obtain pyrograms of two propolis samples obtained from different areas.

[Results] Fig. 1 shows pyrograms of two different samples of propolis. Phenols, aromatic acids, sesquiterpenes, ethyl esters of C16-C18 aliphatic acids, and various flavonoids were observed in the pyrograms. The peak distributions for aromatic acids and phenols derived from these two kinds of propolis showed a similarity, while the peak distributions for ethyl esters of C16-C18 aliphatic acids and flavonoids showed a large difference.



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