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The change of mint and lavender composition during drying process

Our project presents that herbs such like *Mentha „Variagata“* and *Lavandula officinalis* show the loss of essential materials while drying. During the project, drying of herbs were made for 18 months then after the distillation with water steam the extracts of them were made using the ethyl acetate. The extracts were applied to the mass spectrometer which showed the peaks of the extracts compounds. As a result, the spectrograme of lavender showed plenty of low activity peaks, that means 18 months dried lavender herb stowe the great amount of low concentration compounds. The mass spectrography in mint revealed the fact there are no huge peaks of menthol and menthon in 18 months dried herbs. These results were compared with the ones showed in monographies. To sum up, our project indicated the fact that dried herbs constitute less essential materials than it was expected.