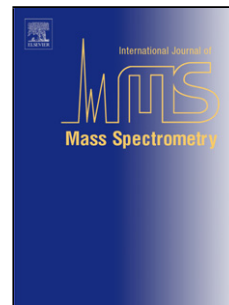


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Rapid quantitative determination of triglycerides in edible oils by matrix-assisted laser desorption/ionisation Fourier transform ion cyclotron resonance mass spectrometry using pencil graphite combined with 2,5-dihydroxybenzoic acid as matrix

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Highlights

- MALDI–MS peak intensity repeatable for the determination of triglycerides in edible oil
- Combining pencil graphite with 2,5-dihydroxybenzoic acid (DHB) as a matrix to improve MS peak intensity repeatability
- Strengthen repeatability using intensity ratio of two characteristic MS peaks
- Recognised animal fat adulterants in corn oil by quantitating MS peak intensity ratio

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