5.4. Conclusion  
A method based on the Shimadzu LC/MS-8000 system was developed and optimized. The method allows quick and reliable identification of monomeric ellagitannins. Ellagitannins analyzed under the optimal conditions were found to follow a specific pattern of fragmentation, i.e. loss of ellagic acid. However, even with fragmentation, the base peaks for all monomeric ellagitannins studied were the molecular ions (M-H)^-, allowing the determination of molecular weights. Application of the methods in the analyses of oak heartwood extracts demonstrated it is very useful in the study of monomeric ellagitannin biosynthesis.

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