

# **Characterization of Phospholipids by Two Dimensional Liquid**

## **Chromatography coupled to in-line Ozonolysis-Mass Spectrometry**

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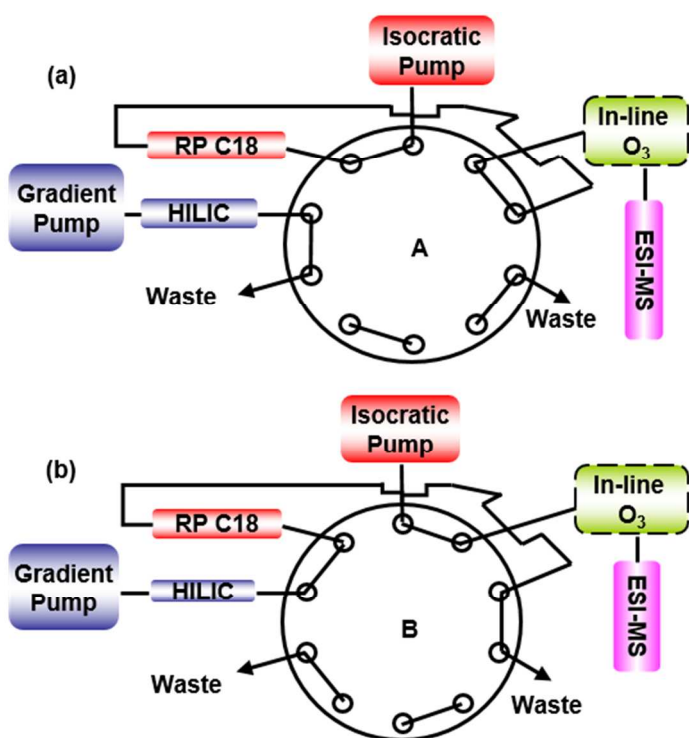
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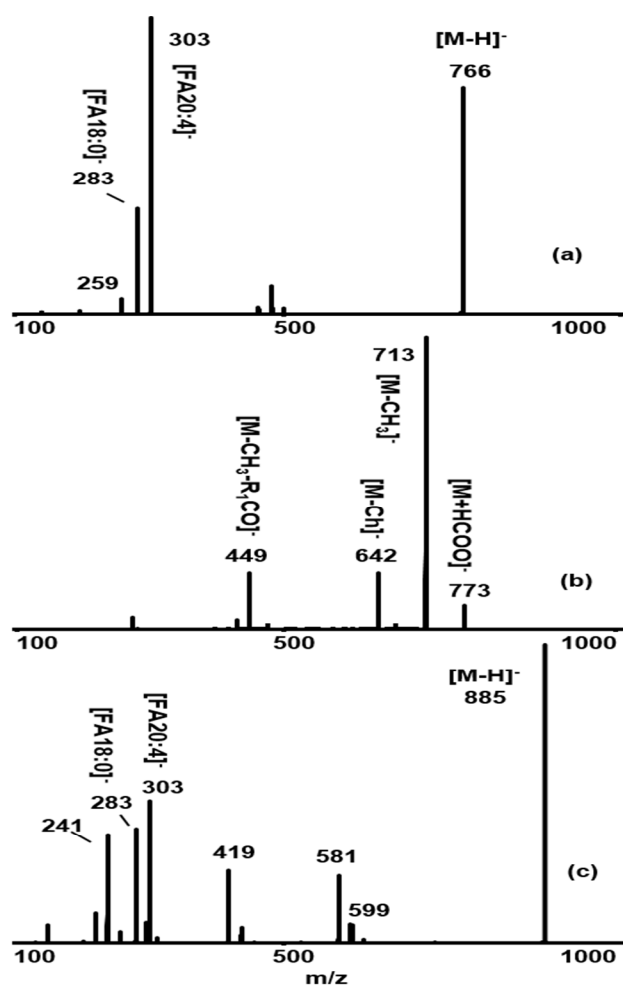
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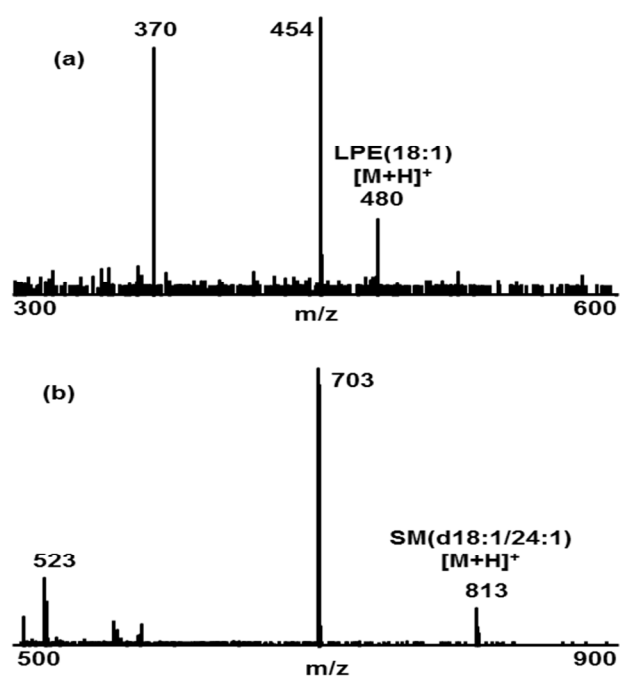
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**Figure S1.** HILIC×C18 LC/O<sub>3</sub>-MS configuration: valve is placed at A Position (a); valve is placed at B Position (b). Reproduced with permission from Ref. 1. Copyright 2014, Elsevier.



**Figure S2.** ESI (-)-MS/MS analysis of PL standard (a) PE(18:0/20:4 ( $n$ -6,9,12,15)) Stand; (b) SM(d18:1/18:1( $n$ -9)); (c) PI(18:0/20:4 ( $n$ -6,9,12,15)).



**Figure S3.** (a)  $O_3$ -MS spectrum of LPE(18:1);(b)  $O_3$ -MS spectrum of SM(d18:1/24:1) in the egg yolk PL extract.

**Reference:**

1. Sun, C.; Zhao, Y.; Curtis, J.M. Elucidation of phosphatidylcholine isomers using two dimensional liquid chromatography coupled in-line with ozonolysis mass spectrometry. *J. Chromatogr. A* **2014**, *1351*, 37-45.