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(71) Applicant: **AVANTI POLAR LIPIDS, INC** [US/US]; 700 Industrial Park Drive, Alabaster, Alabama 35007 (US).

(72) Inventors: **BAKER, Paul RS**; 700 Industrial Park Drive, Alabaster, Alabama 35007 (US). **CONNELL, Lisa**; 700 Industrial Park Drive, Alabaster, Alabama 35007 (US). **SULLARD, Cameron**; 700 Industrial Park Drive, Alabaster, Alabama 35007 (US). **LI, Shengrong**; 700 Industrial Park Drive, Alabaster, Alabama 35007 (US).

(74) Agent: **PETERSON, Thomas G.**; 1901 Sixth Avenue North, Suite 2400, Birmingham, Alabama 35203 (US).

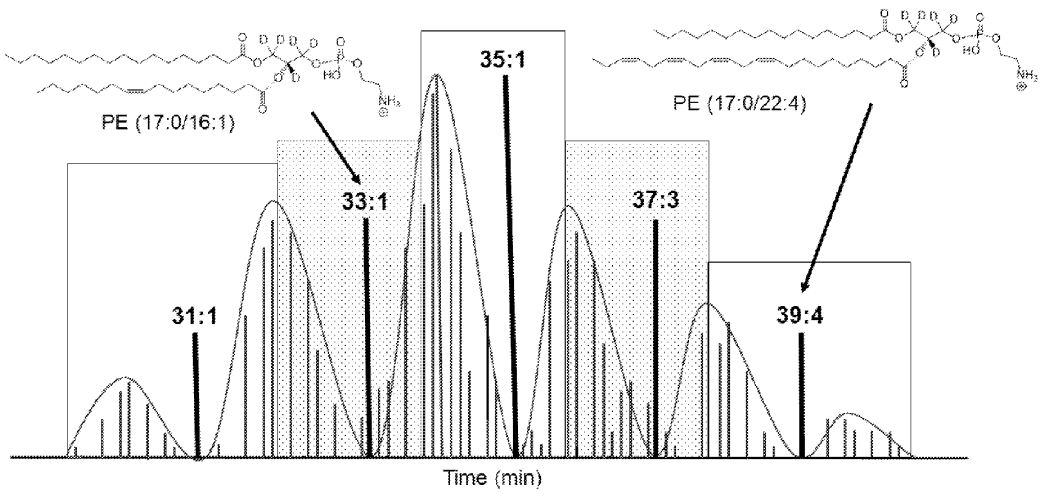
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(54) **Title:** UNIVERSAL LIPID QUANTITATIVE STANDARDS FOR USE IN LIPIDOMICS

FIG. 2C



(57) **Abstract:** The present disclosure provides for a universal lipid quantitative standard (ULQS) comprising a plurality of isotopically labeled lipid standards that can be used with any analytical mass spectrometry techniques known in the art. The ULQS includes at least one isotopically labeled lipid species from one or more of the following lipid classes: i) phospholipids; ii) lysophospholipids; iii) cholesterol esters; iv) triacylglycerols; v) diacylglycerols; vi) ceramides; and vii) sphingomyelins.

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