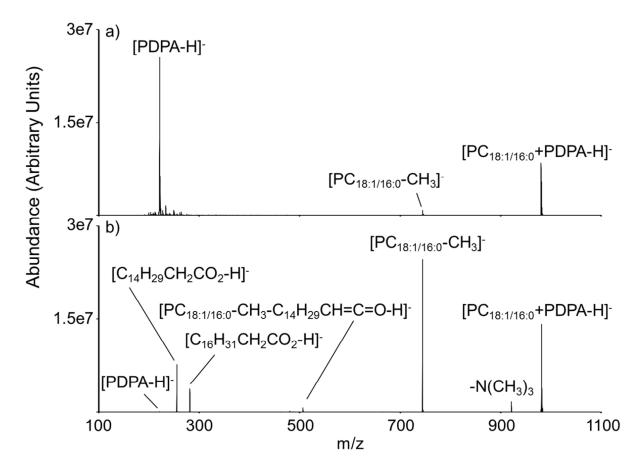
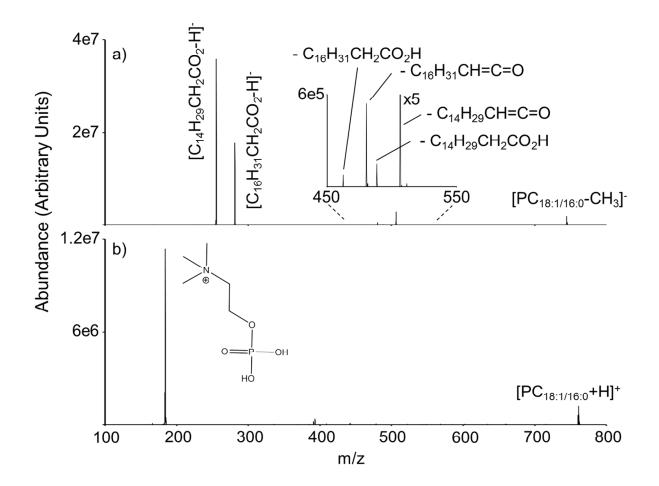
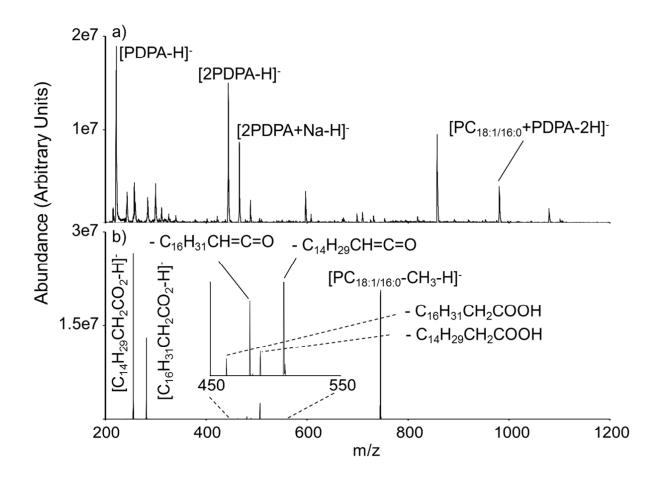
Supporting Information:



S-1: (a) Product ion spectrum following ion/ion reactions between PDPA dianions and 18:1/16:0 PC monocations, (b) Ion trap CID of the long-lived complex, [PC_{18:1/16:0}+PDPA-H]⁻



S-2: (a) Ion trap CID of $[PC_{18:1/16:0}-CH_3]^-$. (b) Ion trap CID of $[PC_{18:1/16:0}+H]^+$.



S-3: (a) Ionization of PDPA and 18:1/16:0 solution phase mixture via negative mode nESI (b) Ion trap CID of $[PC_{18:1/16:0}-CH_3]^-$