Single droplet analysis of Li+ battery electrolyte w/fire retardants via IBF.


- Coin cells: dependent on Li+ transport in carbonate electrolyte – weakly coordinating solvents
  - EMC
  - EC
- Breakdown can lead to H₂ production, flammability issues

Li⁺ ion battery fire retardants

(Ethoxy)ₓ(2,2,2-trifluoroethoxy)ₜphosphazene cyclotrimers
(x,y) short hand nomenclature

Droplets Into ESI!

HR MS of nanoLiter droplets

Extracted ion chromatograms, 100 nL droplets

100% Shot into MS!