Identification of Bacteria based on the Phospolipid Fingerprint
Rapid identification of bacteria and other microorganisms are important in both medicine and the fight against biological terrorism. A rapid, high throughput method has been developed based on the phospholipid extracts of bacteria. The extracts are analyzed via flow-injection negative ion ESI-MS. We have begun the process of establishing a library of negative ion electrospray spectra that can be used to rapidly identify bacteria. Further evaluation of the method and expansion of the library is necessary.