EQUIPMENT:
MUSC Proteomics Center

Mass Spectrometry Facility Shared Instrumentation: Thermo Scientific™ Orbitrap Fusion™ Lumos™ Tribrid™ Mass Spectrometer with segmented quadrupole, dual pressure ion trap, and high mass accuracy orbitrap mass analyzer with CID, HCD, ETD, EThcD, and UV-PD (213 nm) fragmentation capabilities interfaced to an Easy 1200 nano-UHPLC. Thermo Scientific™ Orbitrap Elite™ Hybrid Ion Trap-Orbitrap Mass Spectrometer with CID, HCD, and ETD fragmentation capabilities interfaced to a Dionex UltiMate U3000 nanoLC system for 1D- or 2D-LC. Advion TriVersa Nanomate that can be interfaced to the Orbitrap Elite for direct infusion. Bruker Daltonics AutoFlex III linear MALDI TOF Mass Spectrometer. Waters Xevo TQ-S triple quadrupole mass spectrometer interfaced to a Waters Acquity UPLC M-Class System. Agilent OFF-GEL fractionator. LC Packings Ultimate and Hewlett Packard 1100 HPLC systems.


Common Equipment
Four -80°C freezers, two -20°C freezers, two 4°C refrigerators and one cold room with 80 sq foot of space for sample and solution storage. Two analytical Mettler Toledo balances ATL160 and Acculabs AL64, one Leica Diavert microscope, one Fisher Scientific sonic dismembrator Model CL-18, and three Savant vacuum concentrators.