## **EI low resolution**

Instrument: double focussing sectorfield mass spectrometer

Manufacturer: Thermofinnigan MAT (Bremen, Germany)

Model: MAT95XL Resolution: 2000 (10% valley definition)

Scan: 40 – 1000 amu (1 sec/decade) Source Temp.: 180°C Electron energy: 70 eV

El accurate mass:

Method: peak matching Resolution: 10000 (10% valley definition) Mass calibrant: PFK

## ESI:

Instrument: linear iontrap coupled with orbitrap mass analyser Manufacturer: ThermoFisher Scientific (Bremen, Germany) Model: LTQ-Orbitrap Velos Resolution: 100000 FWHM at (m/z = 400 amu) Scan: 50-2000 amu (resulting in acquisition times of 1.6 sec per cycle)

Electrospraymeasurements were performed in direct infusion mode using a custom made microspraydevice mounted on a Proxeon nanospray ion source. The microspray-device allows for the sample infusion through a stainless steel capillary (90  $\mu$ m I. D.).

Accurate mass measurements in the orbitrap were performed using the lock mass option of the instrument control software using the cation of tetradecyltrimethylammonium bromide (256.29988 amu) as internal mass reference.

Sample concentration: approx. 50 µg/mL Solvent: MeOH spiked with 0.1 mg/mL tetradecyltrimethylammonium bromide (unless otherwise stated) Flow: approx. 1 µL/min Typical sprayvoltage pos. mode: 2.3 - 2.8 kV Typical sprayvoltage neg. mode: 1.7 - 2.5 kV