Sample preparation
1. Extraction
2. Spike with internal standard
3. Filtration (optional)

Liquid micronebulization
Micronebulizer
Syringe pump
Spray chamber

HR-AMS sampling

Data analysis

PM sample

(a)

(b)

- a) line drier/AMS
- b) micronebulizer
- c) spray chamber
- d) heater controllers
- e) spray chamber heater
- f) gas heater
- g) syringe pump