# Mass spectrometry facility-Sample Submission Form

(Use separate form for each sample)

450 Chevron Science Center, Department of Chemistry
University of Pittsburgh, Pittsburgh, PA 15260

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<tr>
<th>Name</th>
<th>Advisor</th>
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<th>Sample ID</th>
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<tr>
<th>Account No:</th>
<th>Date Submitted</th>
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- **Samples** should be submitted as **neat oils or solids** only in 1 dram vials.
- **Approximately** 1 mg of the sample is sufficient.
- Label the vial on the **top 1/2** of the area to make the sample visible.

## Analysis Needed
- Nominal Mass /LRMS spectrum (Peaks in integer value)
- Fragmentation pattern or MS/MS spectrum (For structural elucidation), provide the mass __________
- HRMS/Accurate mass for elemental composition determination (Error in Mass (mDa)/PPM).
  - Publication (Example: Error 3mDa for JOC, 5PPM for OL); Journal Name/requirement: __________
  - Dissertation
  - Other __________

## Preferred Ion Source (choose one)
- Use appropriate ionization method needed
- Electron Ionization: For volatile, low molecular weight compounds
- Electrospray Ionization: For polar, non-volatile high m.w compounds
- APCI/ASAP: For non-polar and low molecular weight compounds
- MALDI: For high M.Wt compounds like Peptides, Proteins, Polymers etc.
- LCMS
- GCMS

## Solubility (Must Provide for any analysis)
- CH₂Cl₂
- MeOH
- Water
- ACN
- Other ______

## Sample State:
- O Solid
- O Liquid
- O Oil

## Special Handling:
- O Air Sensitive
- O Hazardous
- O Light Sensitive

## Purity checked by:
- O NMR
- O TLC
- O GC
- O LC
- O Other __

## Sample back:
- O Yes
- O No

## Special Instructions:
- Below For Facility Use Only

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<thead>
<tr>
<th>Analyzed by</th>
<th>Representative Masses</th>
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<th>Temp, Solvents used, mobile phase used etc.</th>
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