SECTOR EI MS SUBMITTAL FORM
MS Lab Manager, Dr. Qiaoli Liang
Shelby L120A (348-2627), liang005@bama.ua.edu

Name___________________   E-mail: ___________________   Date: ______________
Research adviser: _________________________________________________________
Signature (required for HRMS) ______________________________________________
Sample name:_____________________________ Sample name abbreviation:_________
How did you determine the compound is pure? _________________________________
Integer molecular weight: ________________ *Sample amount (~0.2 mg): ___________
Empirical formula (e.g. C12H26N2O3):_________________________________________
m. p. or b. p. __________________ **Solvent to dissolve: ________________________

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<tr>
<th>Draw the structure:</th>
<th>Tape the sample here</th>
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<td></td>
<td>(in a 1 or 2 mL vial):</td>
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Standard Conditions: EI at 70 ev, mass range 100-700, Low Resolution
Request fragment peak list? (Y/N) ________________
Request high resolution? (Y/N) _________________

* The detection limit for the Autospec-Ultima™ NT sector is ~200 ng. Too much compound admitted into the instrument will dirty the ion source quicker and more importantly make the calibration for high resolution MS less accurate. Therefore, it is very helpful to indicate the sample amount clearly and control it in sub-milligram level.

** This information is helpful because the submitted solid compound is sometimes dissolved in solvent first and then 1µL of the solution is transferred to a MS sample vial. This way the sample amount admitted into the instrument can be well controlled.