**MASS SPECTRAL ANALYSIS REQUEST**

**FILL IN THIS PAGE COMPLETELY**

Systems Mass Spectrometry Core (SyMS-C)

315 Ferst Dr., Room 0501

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Submit all samples in properly labeled, closed containers. Items marked with an asterisk are required information.

|  |  |
| --- | --- |
| \*Submitted by |  |

|  |  |
| --- | --- |
| \*Telephone |  |

|  |  |
| --- | --- |
| E-mail |  |
|  | return results by e-mail |

|  |  |
| --- | --- |
| \*Sample ID |  |

|  |  |
| --- | --- |
| \*Faculty Advisor/Department |  |

Worktag Number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| Date |  | Time |  |

Structure or sequence (if unknown, give possibilities or source)

Attach extra pages as needed

|  |  |
| --- | --- |
| \*Molecular Formula |  |

|  |  |
| --- | --- |
| \*Nominal (integer) Molecular weight |  |

for MW<3000, use mass of most abundant isotope (e.g., Br=79)

for MW>3000, use average mass (e.g., Br=80)

|  |  |
| --- | --- |
| \*Hazards |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| \*Solubility | | Yes | No | Unknown |
| acetone | |  |  |  |
| acetonitrile | |  |  |  |
| methanol | |  |  |  |
| water | |  |  |  |
|  | | | | |
| \*Other solvents |  | | | |

\*If sample is in solution

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| solvent |  | conc. |  | volume |  |

|  |  |
| --- | --- |
| \*If sample is not in solution, list amount submitted |  |

Other compounds present (salts, buffers, etc.)

|  |
| --- |
|  |

\*Special handling or storage (standard storage at -20C)

|  |
| --- |
|  |

Comments

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Analyses requested (check all boxes that apply)

Routine analyses (MW <5000 Da)

|  |  |
| --- | --- |
|  | MS-ESI |
|  | MS-APCI |
|  | MS-MALDI |
|  | GC-MS (available only with EI) |
|  | LC-MS |
|  | Accurate mass analysis |
|  |  |

Special analyses (requires consultation with facility staff)

|  |  |
| --- | --- |
|  | MSn |
|  | LC-MSn |
|  | MALDI-MS/MS |
|  | High mass analysis (MW > 5000 Da) |
|  | Quantitation |
|  | 2D LC\* |
|  | Metabolomics/Lipidomics |
|  | MS Imaging |

\*under development

Lab use only

Sample location \_\_\_\_\_\_\_\_\_\_\_\_\_ Personal time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Instrument time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_