PUBLISHING DATA FROM THE Waters GCT at CMCA@Bayliss

In the publication you should include:

1. **The Name of the Instrument used including optional accessories.**
   - Waters GCT Premier
   - Agilent GC 7890A
   - Agilent 7683B series Injector
   - Operating system Waters MassLynx.
   (only include those actually used)

2. **The preparation of the sample.**
   a. The solvent used to dissolve the sample.

3. **The solvent used as rinse solvent in the autoinjector.**

4. **The method of ionization used for the experiment**
   a. Electron Ionisation (EI)
   b. Chemical Ionisation (CI) (quote the gas used to establish CI conditions)

5. **The charge on the ions detected**
   a. Positive ion
   b. Negative ion

6. **The Mass Range used in the experiment.**

7. **The column used in the GC oven to separate the compounds.**

8. **The carrier gas used.**

9. **The Reference Compound used for accurate mass work.**
   Typically PerFluoroTri-N-ButylAmine (PFTBA)

10. **The operating conditions of the Waters GCT, including:**
    a. Ion Source temperature
    b. Applied voltage (kV)
    c. GC Temperature Program

11. **Citing the accurate mass report.**
    | Mass       | Calc. Mass | mDa | PPM  | DBE  | i-FIT | Norm | Conf(%) | Formula |
    |------------|------------|-----|------|------|-------|------|--------|---------|
    | 287.0554   | 287.0556   | -0.2| -0.7 | 10.5 | 138.3 | 0.089| 91.47  | C15 H11 O6 |

   The first number is the experimentally determined mass.
   The second number is the theoretical mass for the quoted empirical formula C15 H11 O6

12. **An acknowledgment to CMCA:** ‘The authors acknowledge the facilities, and the scientific and technical assistance of the Australian Microscopy & Microanalysis Research Facility at the Centre for Microscopy, Characterisation & Analysis, The University of Western Australia, a facility funded by the University, State and Commonwealth Governments.’
13. An acknowledgment to CMCA staff: personally acknowledge CMCA staff who have helped you in your Mass Spectrometry experiments. Have CMCA staff helped you beyond simple instrument operation? If so, consider including them as authors on your publication.

Remember to send CMCA administration a pdf copy of the final published article (with journal issue and page numbers).

Any queries about these areas?
Contact Anthony Reeder