

**Acetylation of Alcohols, Amines, Phenols, Thiols under Catalyst and Solvent-Free
Conditions**

Nagaraj Anbu ¹, Nagarathinam Nagarjun ¹, Manju Jacob ², J. Mary Vimala Kumari Kalaiarasi ²
and Amarajothi Dhakshinamoorthy ^{1,*}

¹School of Chemistry, Madurai Kamaraj University, Madurai-625 021, Tamil Nadu, India.

²Department of Advanced Zoology and Biotechnology, Loyola College, Chennai 600 034, Tamil Nadu, India.

*Correspondence: admguru@gmail.com (AD); Tel.: +91 99764 73669

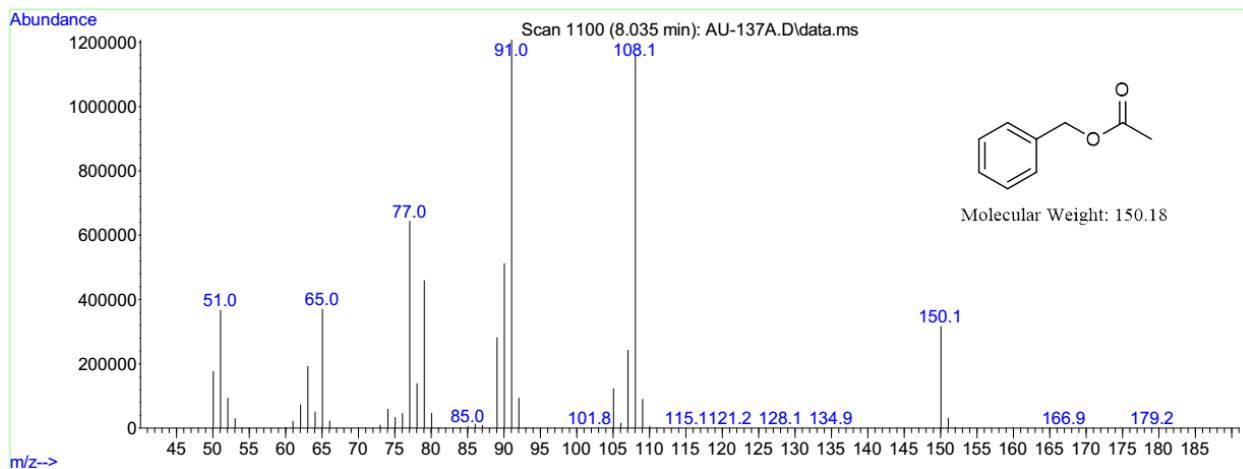


Fig. S1. GC-MS trace of benzyl acetate.

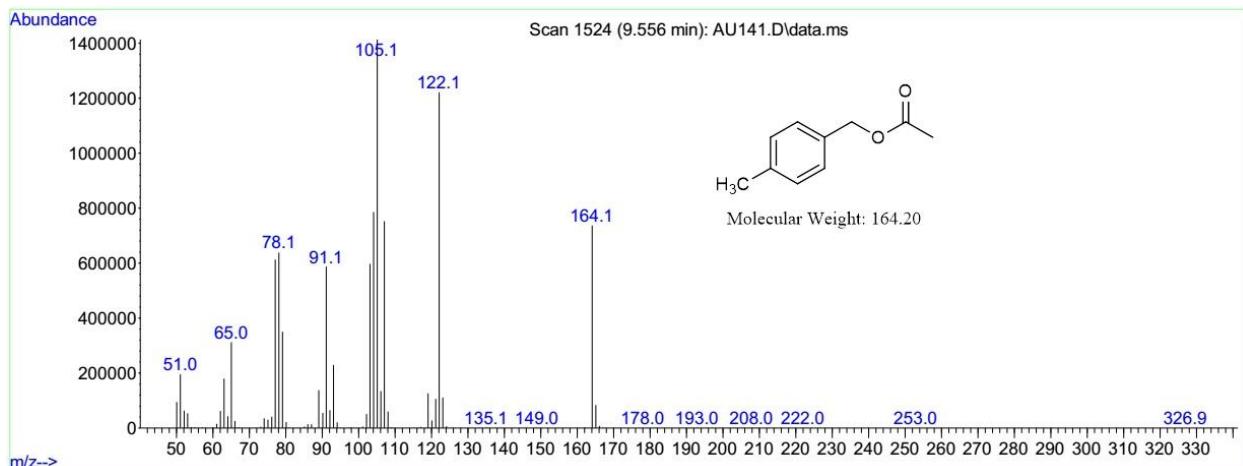


Fig. S2. GC-MS trace of 4-methylbenzyl acetate.

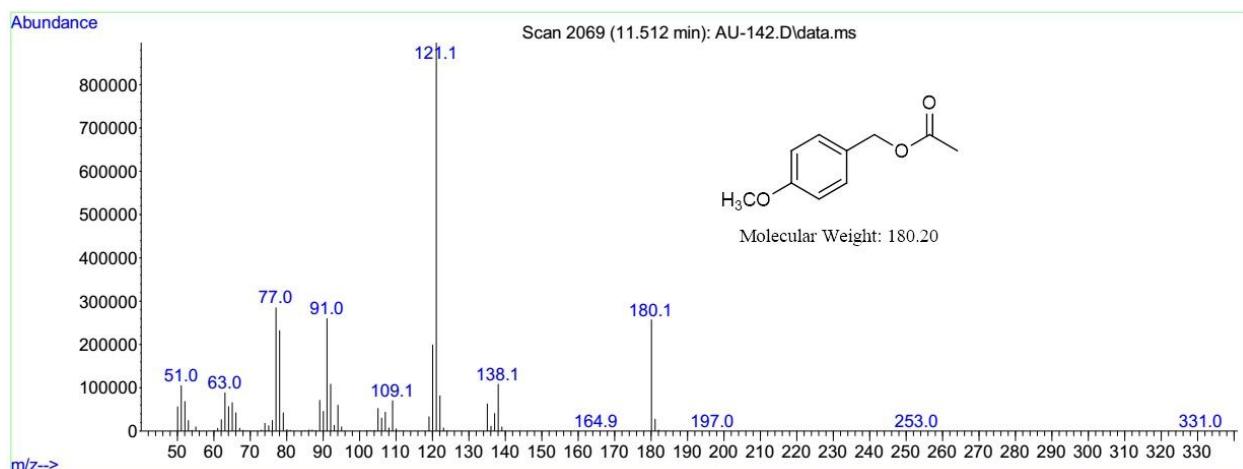


Fig. S3. GC-MS trace of 4-methoxybenzyl acetate.

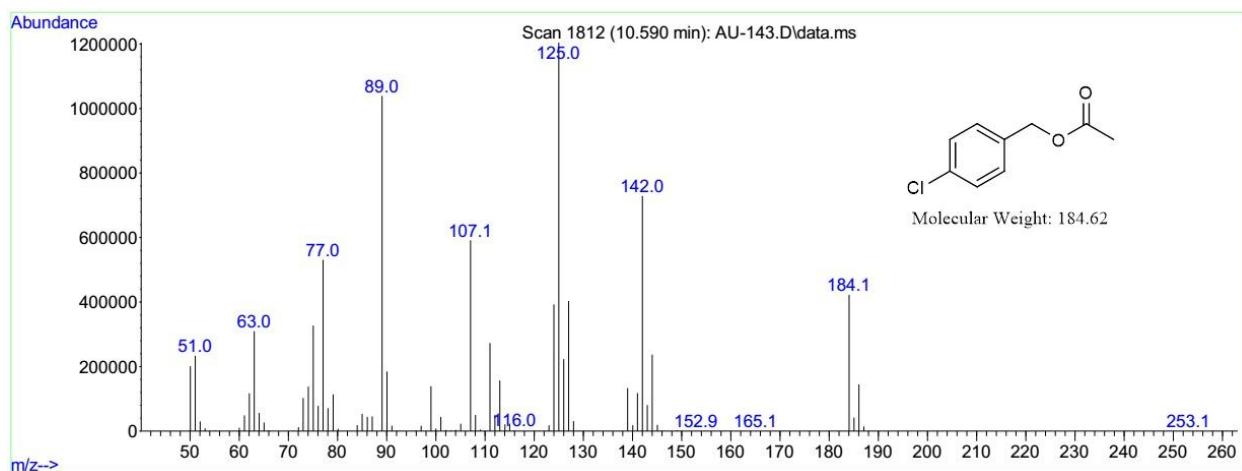


Fig. S4. GC-MS trace of 4-chlorobenzyl acetate.

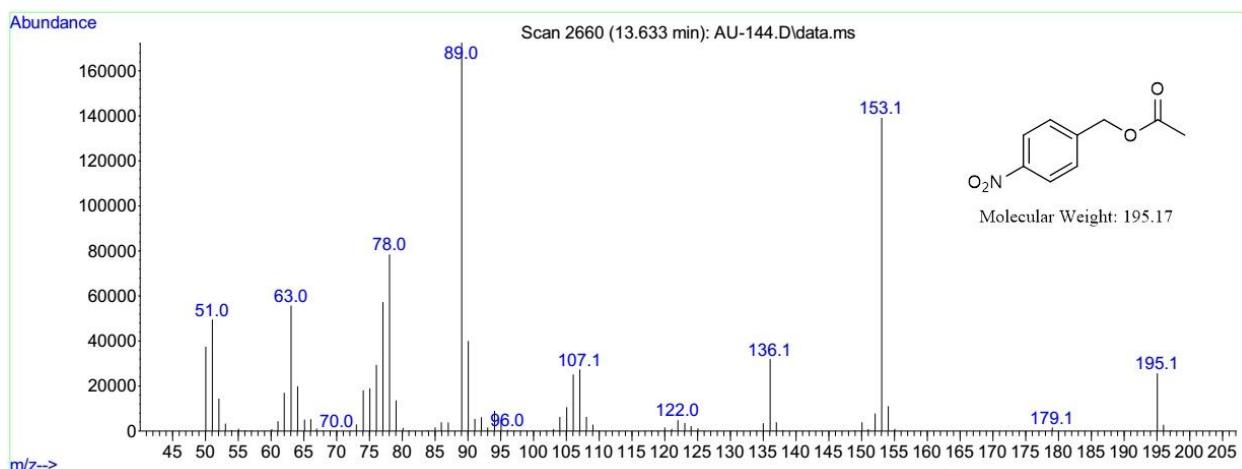


Fig. S5. GC-MS trace of 4-nitrobenzyl acetate.

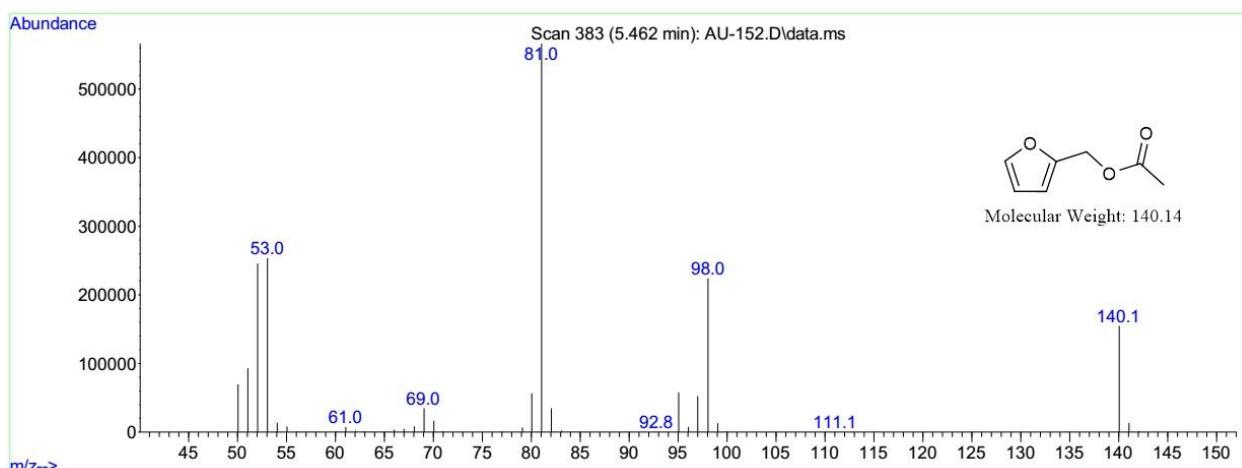


Fig. S6. GC-MS trace of furan-2-ylmethyl acetate.

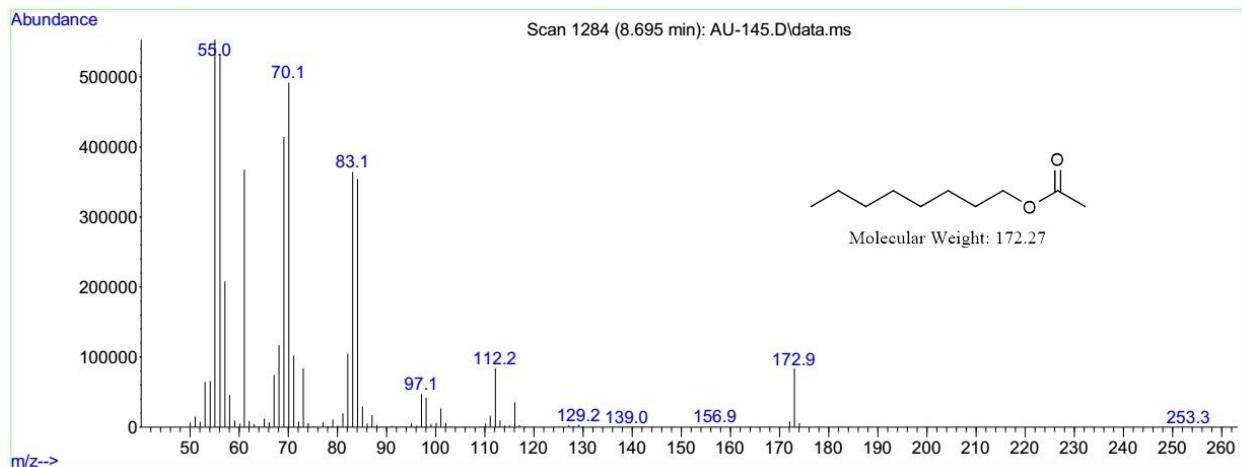


Fig. S7. GC-MS trace of octyl acetate.

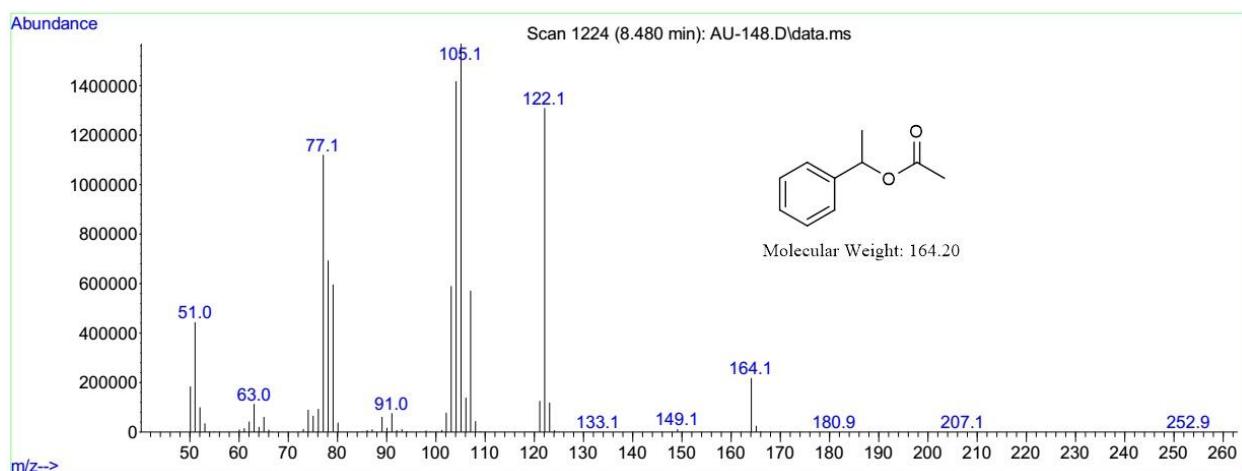


Fig. S8. GC-MS trace of 1-phenylethyl acetate.

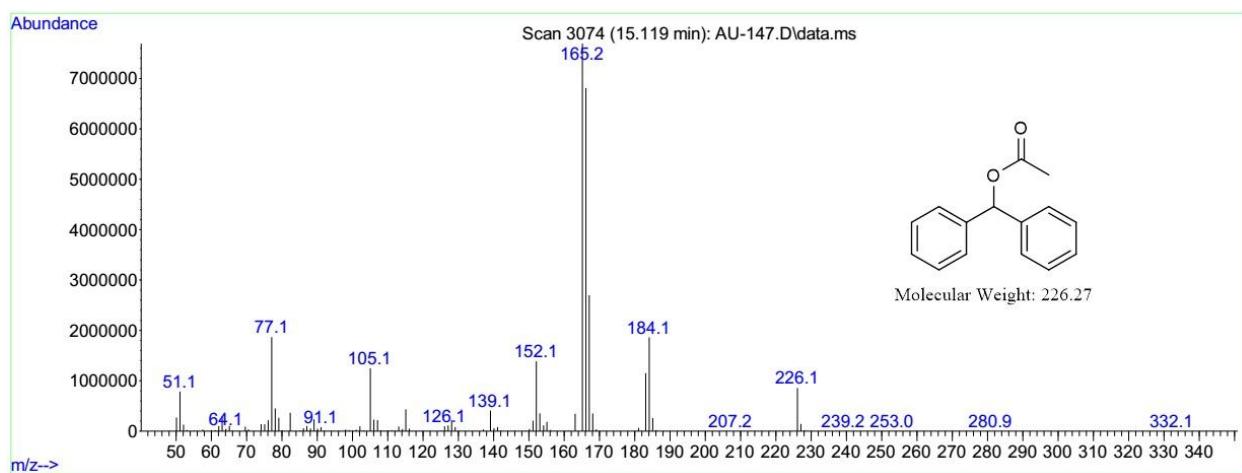


Fig. S9. GC-MS trace of benzhydryl acetate.

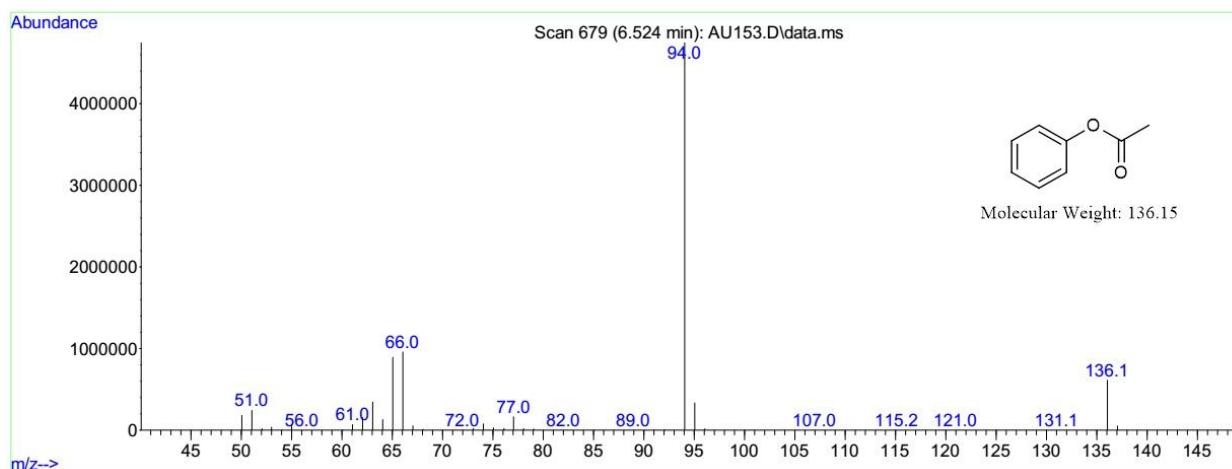


Fig. S10. GC-MS trace of phenyl acetate.

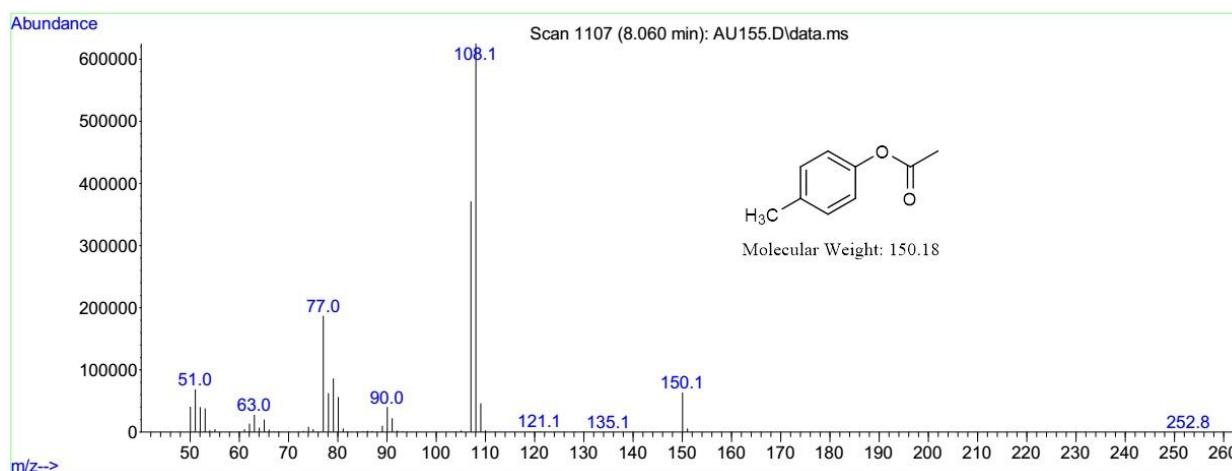


Fig. S11. GC-MS trace of *p*-tolyl acetate.

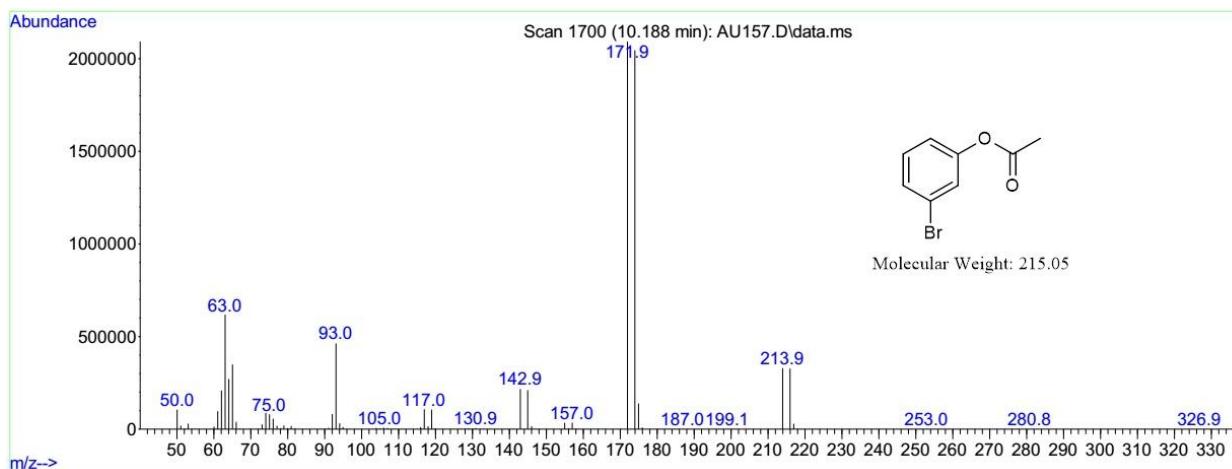


Fig. S12. GC-MS trace of 3-bromophenyl acetate.

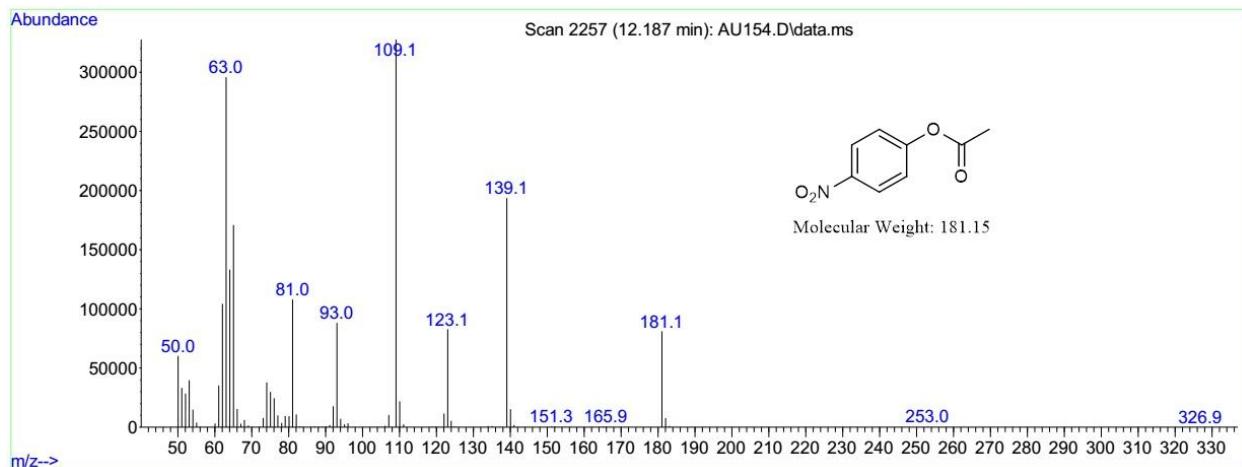


Fig. S13. GC-MS trace of 4-nitrophenyl acetate.

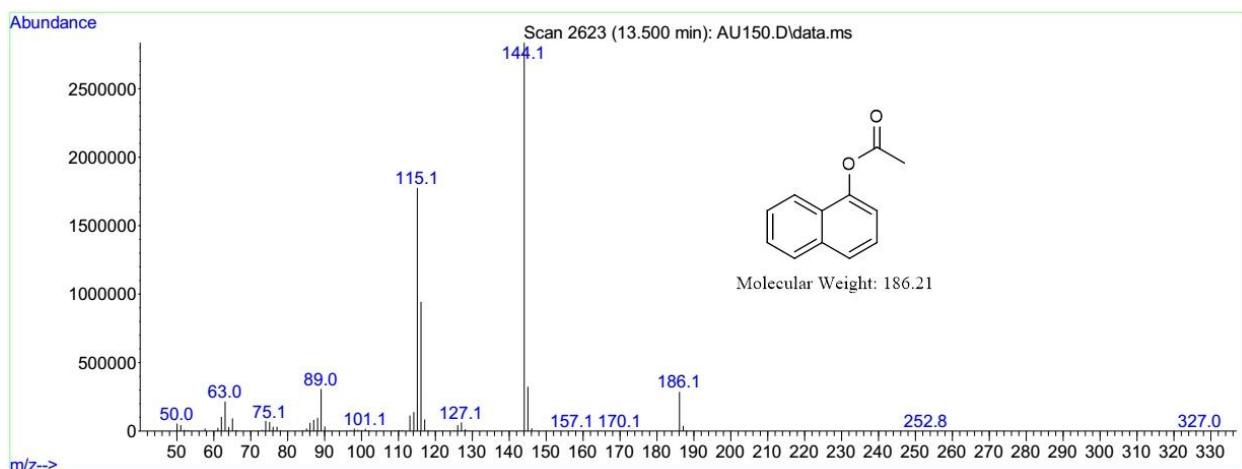


Fig. S14. GC-MS trace of naphthalen-1-yl acetate.

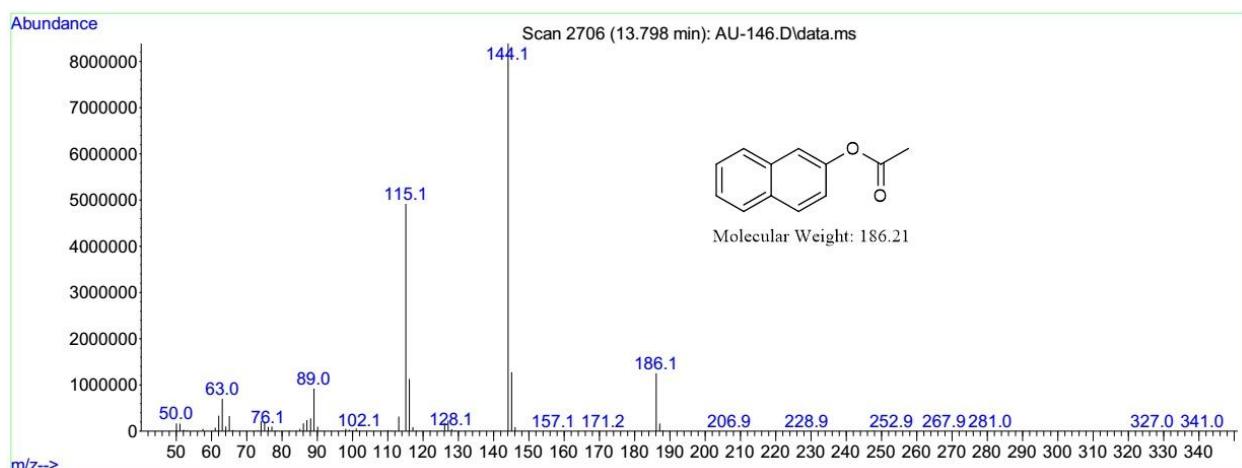


Fig. S15. GC-MS trace of naphthalen-2-yl acetate.

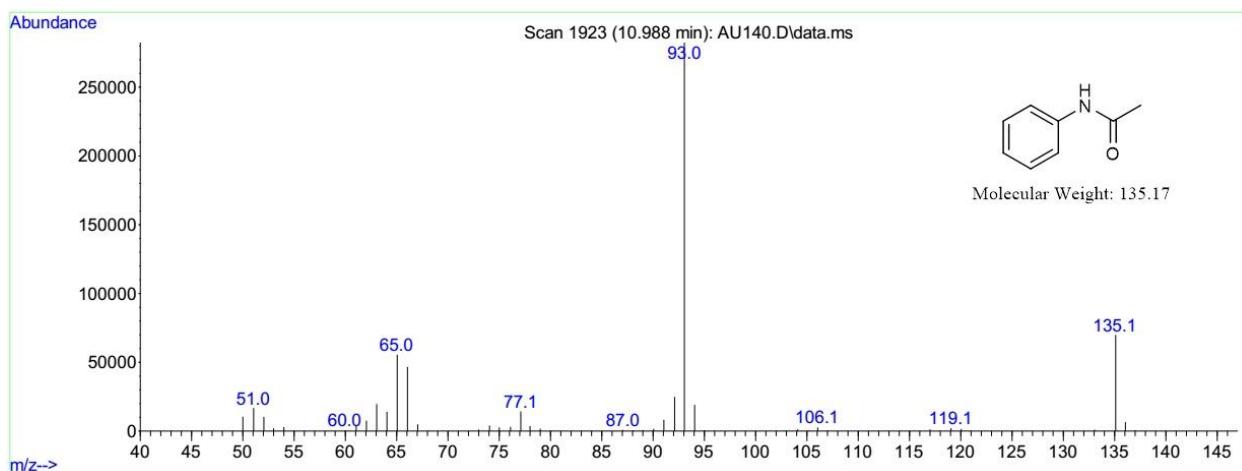


Fig. S16. GC-MS trace of *N*-phenylacetamide.

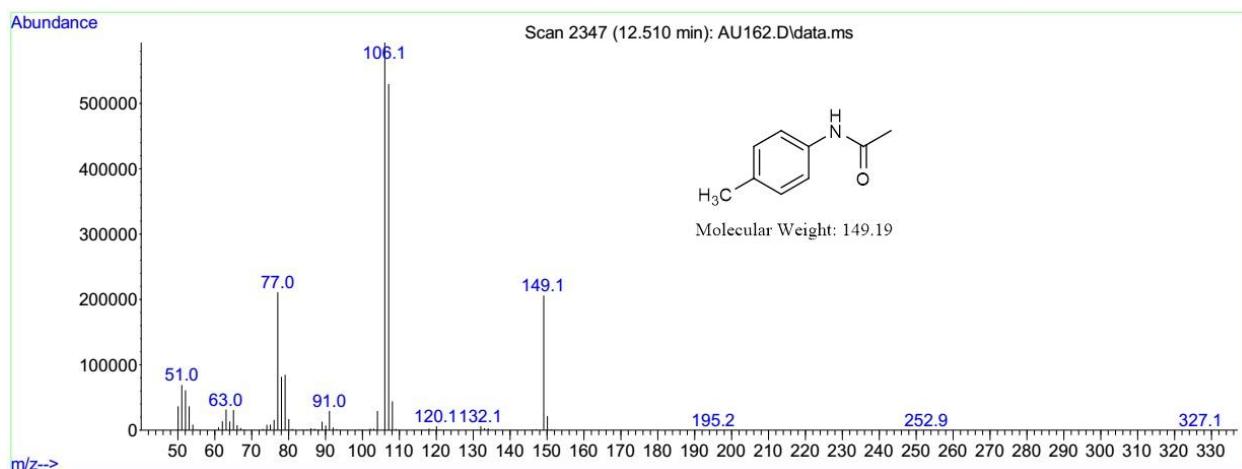


Fig. S17. GC-MS trace of *N*-(*p*-tolyl)acetamide.

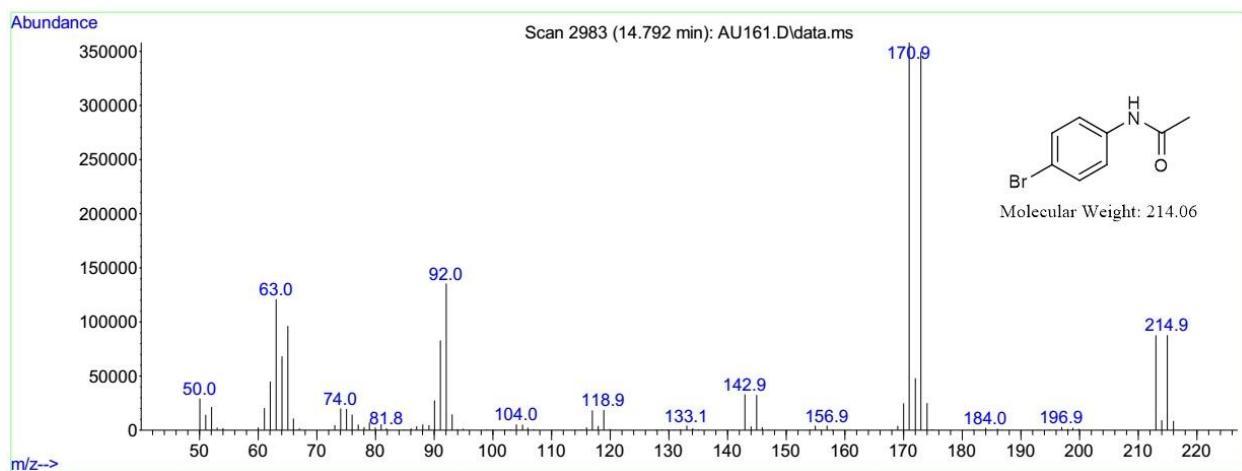


Fig. S18. GC-MS trace of *N*-(4-bromophenyl)acetamide.

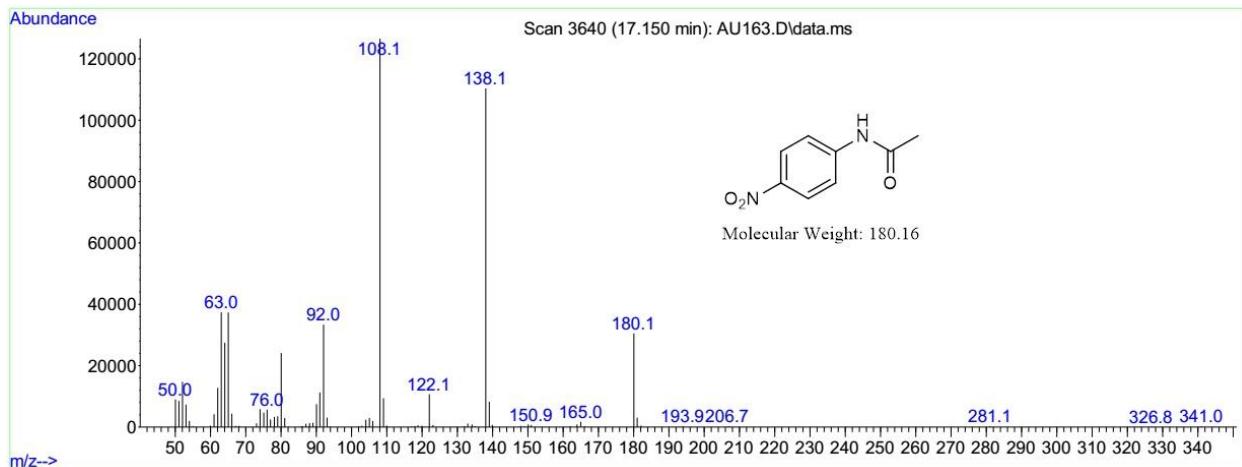


Fig. S19. GC-MS trace of *N*-(4-nitrophenyl)acetamide.

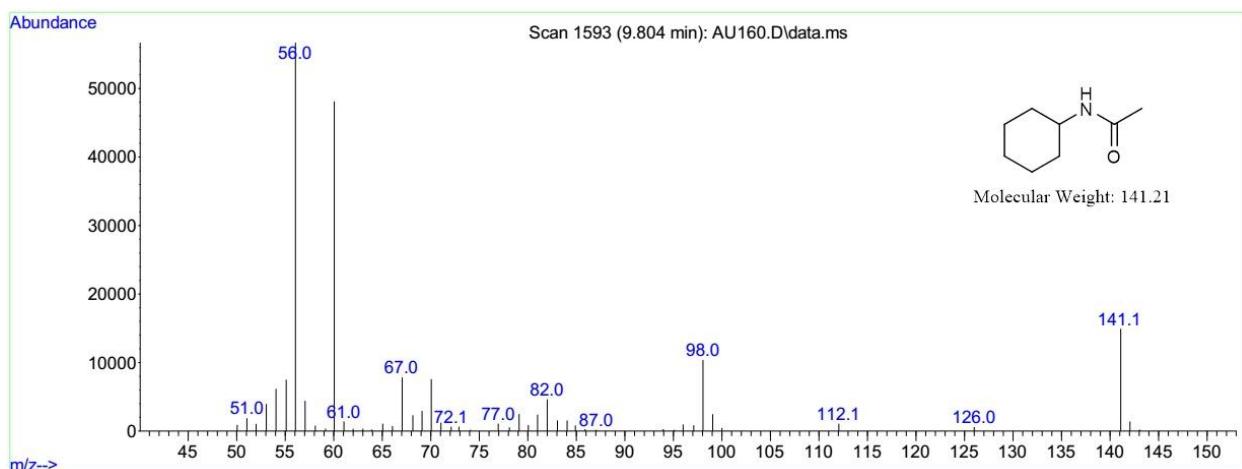


Fig. S20. GC-MS trace of *N*-cyclohexylacetamide.

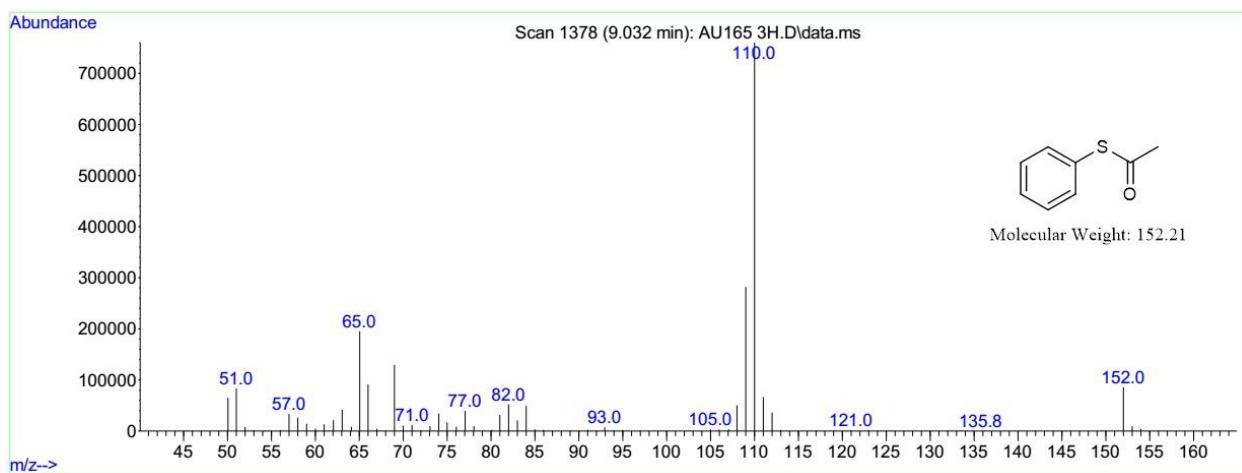


Fig. S21. GC-MS trace of *S*-phenyl ethanethioate.

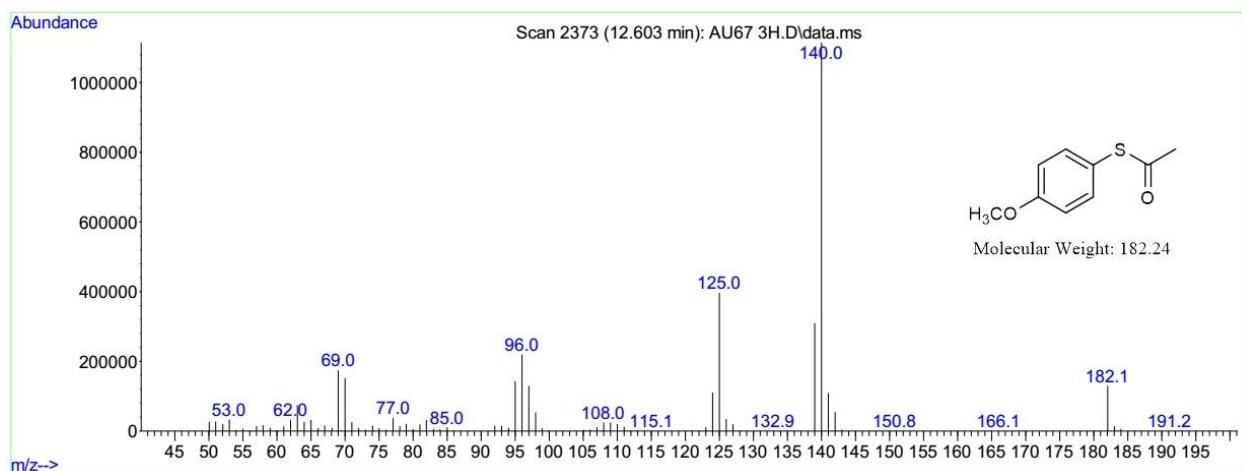


Fig. S22. GC-MS trace of *S*-(4-methoxyphenyl) ethanethioate.

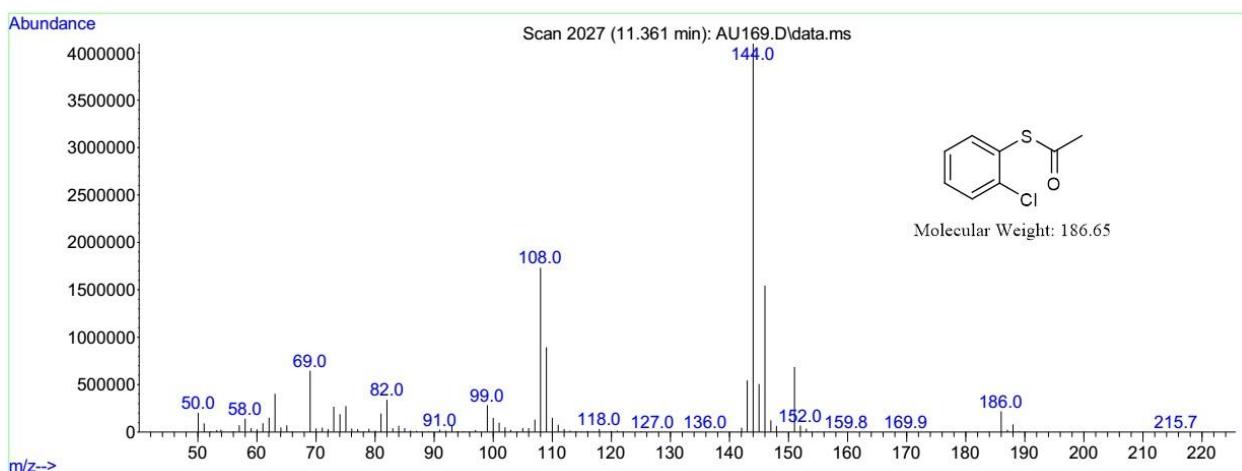


Fig. S23. GC-MS trace of *S*-(2-chlorophenyl) ethanethioate.