

Green synthesis of graphene oxide (GO)- anchored Pd/Cu bimetallic nanoparticles using *Ocimum sanctum* as bio-reductant: an efficient heterogeneous catalyst for the Sonogashira Cross-Coupling reaction

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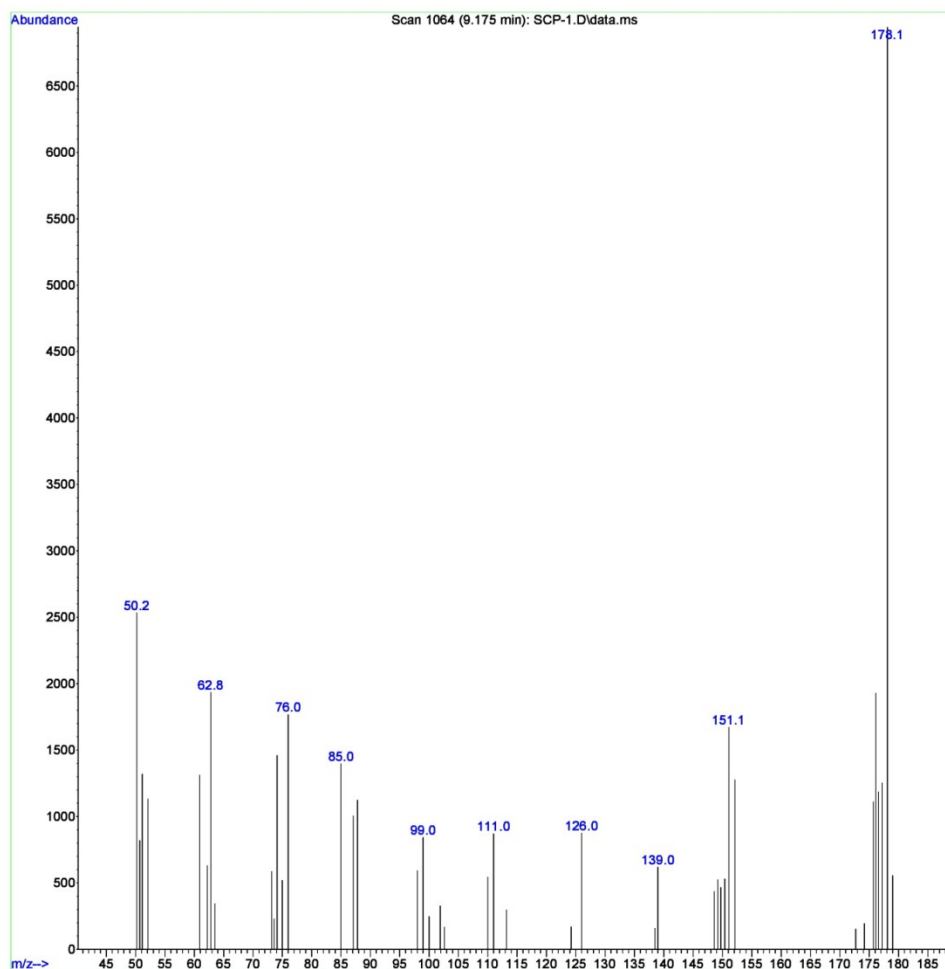
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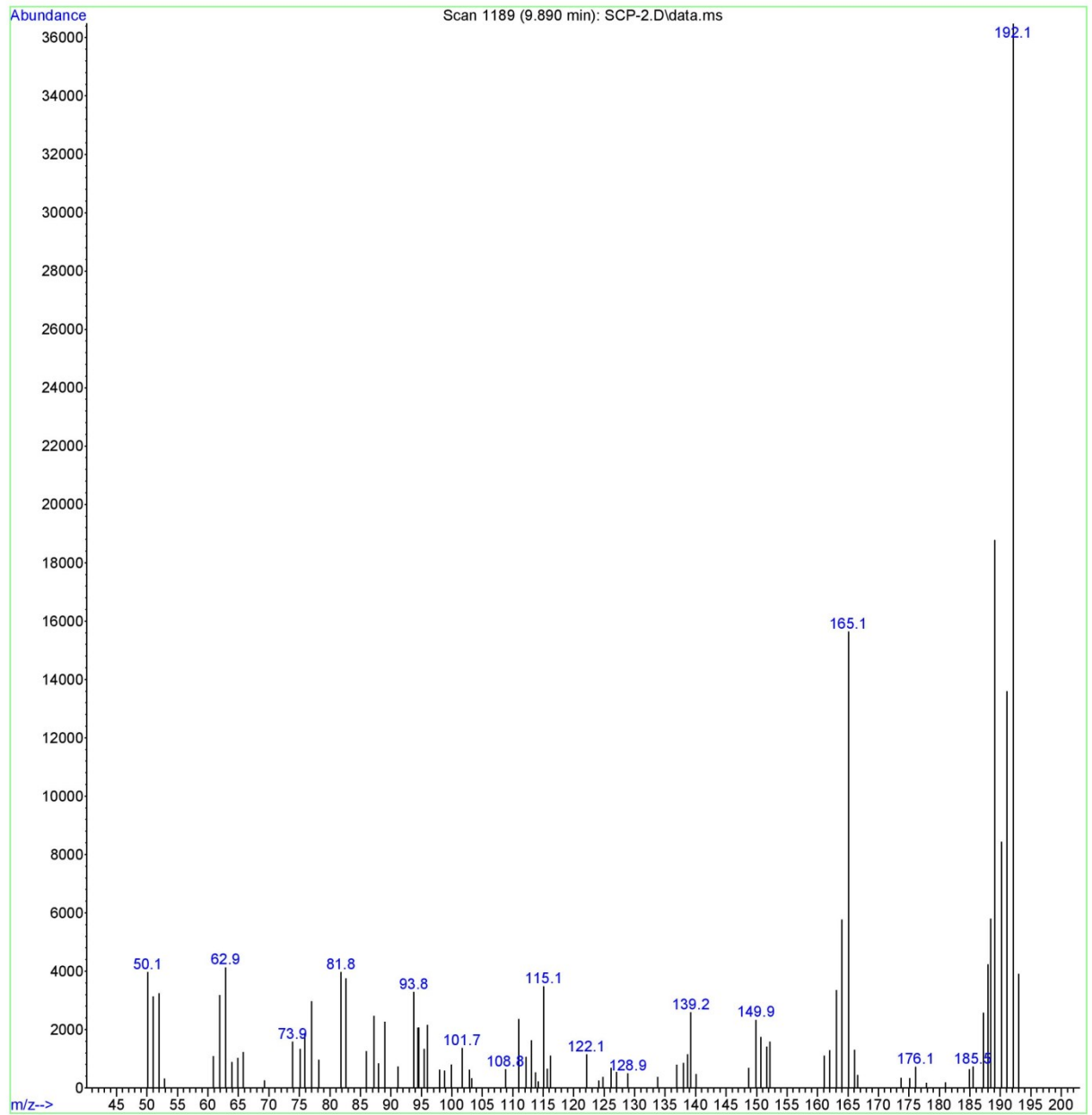
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ppahari@gmail.com, geetikachem@yahoo.co.in, pradip54@gmail.com

GC-MS spectra of the products of reactions of Table 5.

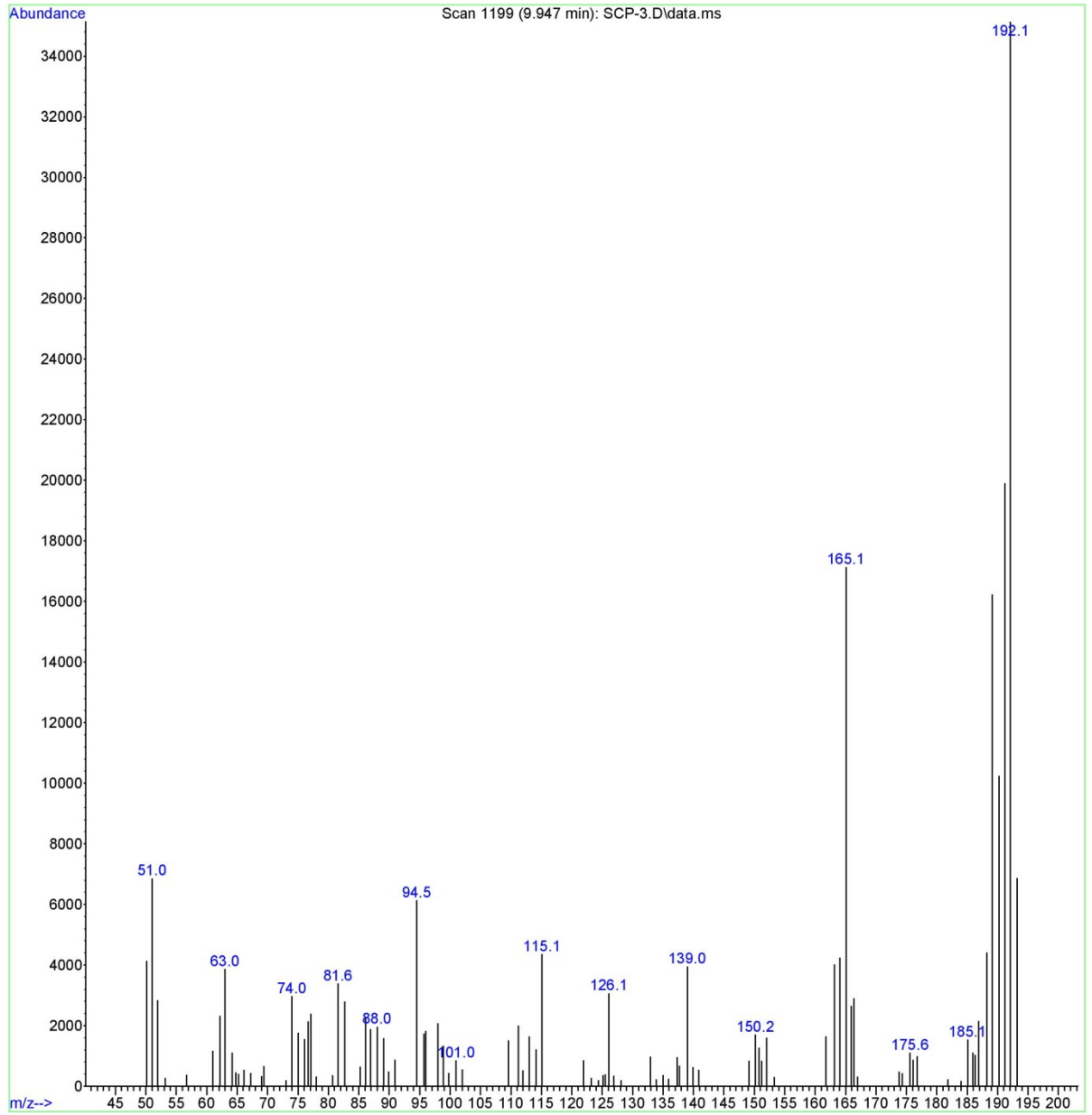
1. Reaction 1



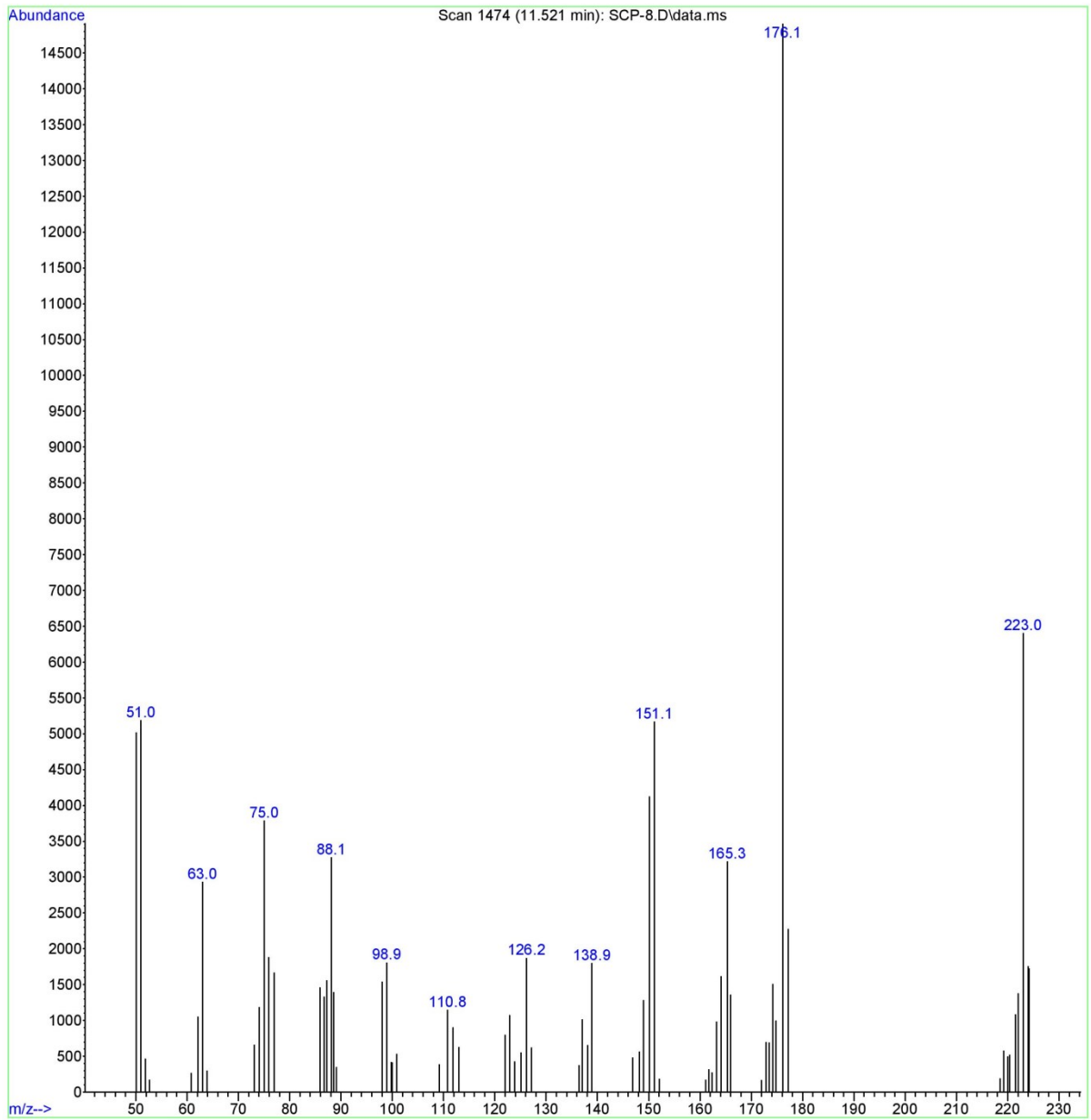
2. Reaction 2



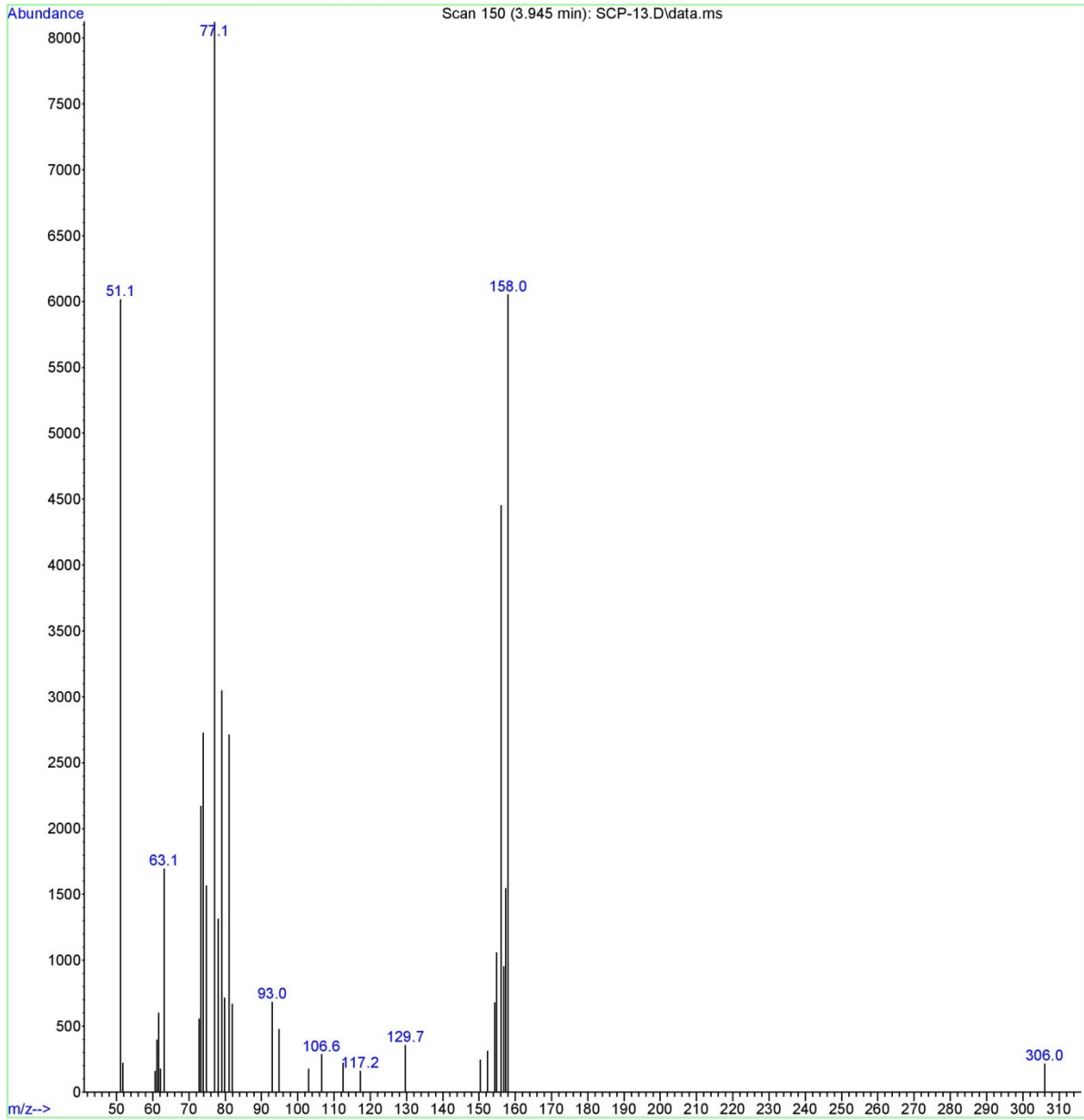
3. Reaction 3



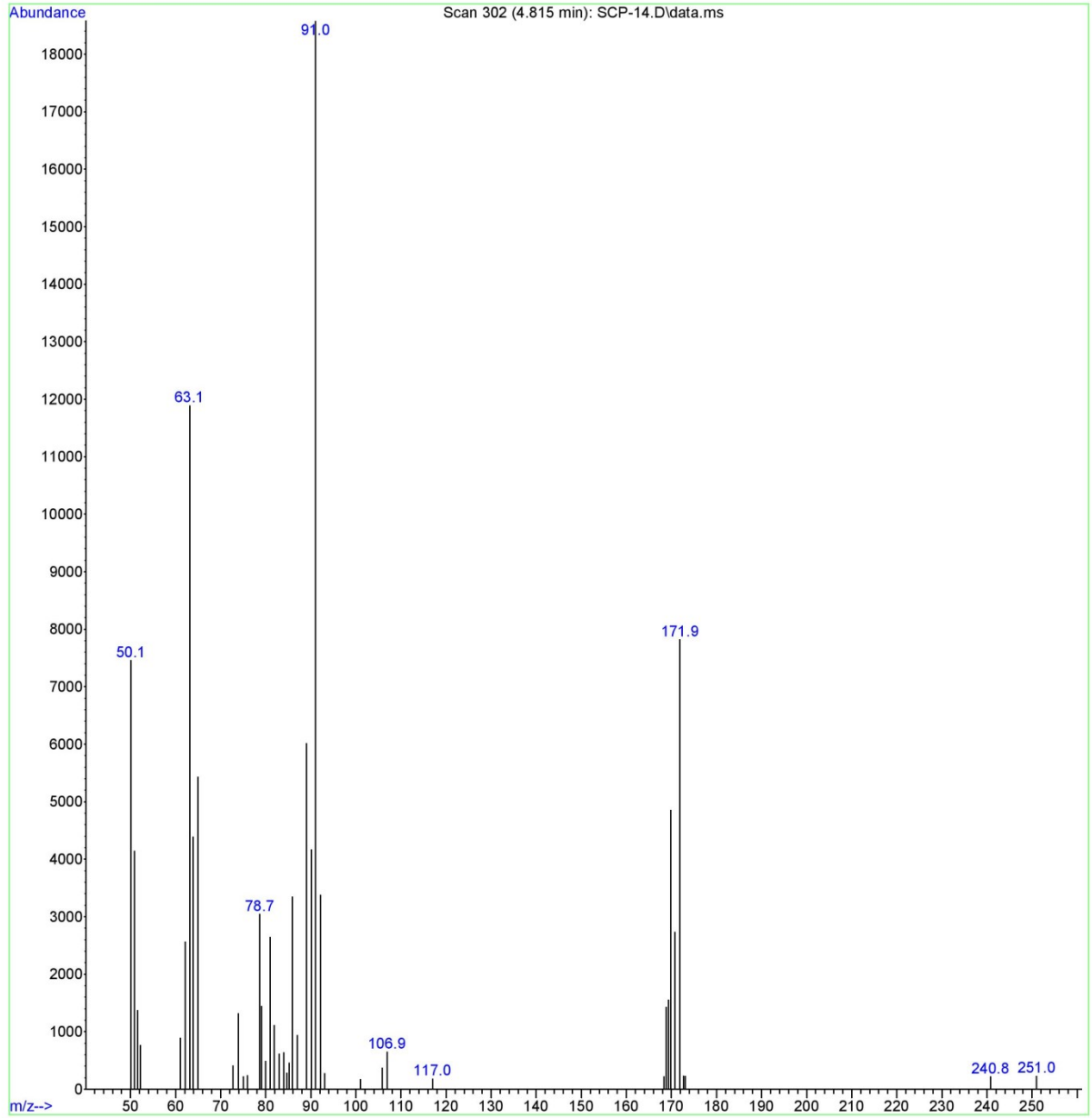
4. Reaction 4



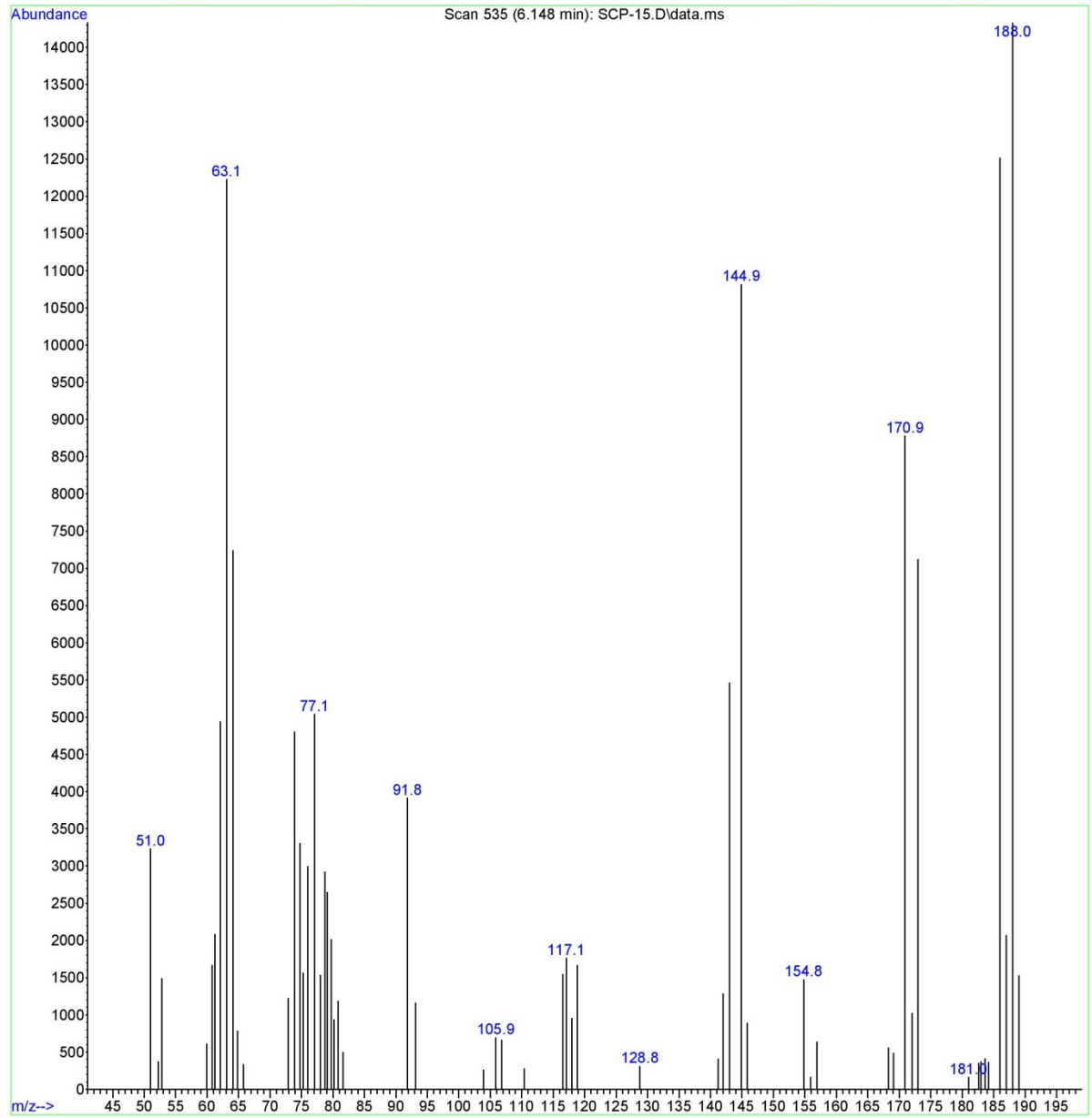
5. Reaction 5



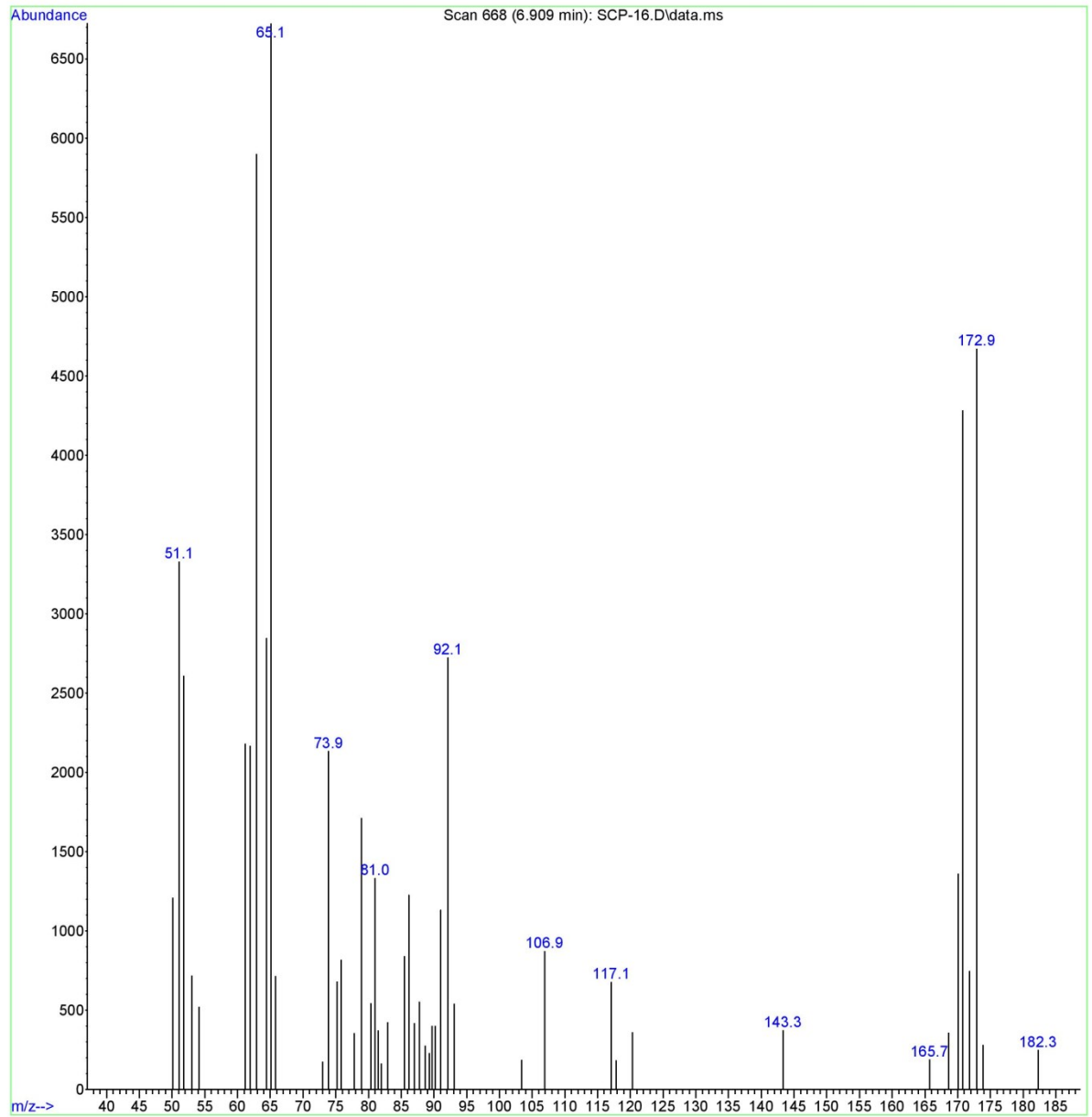
6. Reaction 6



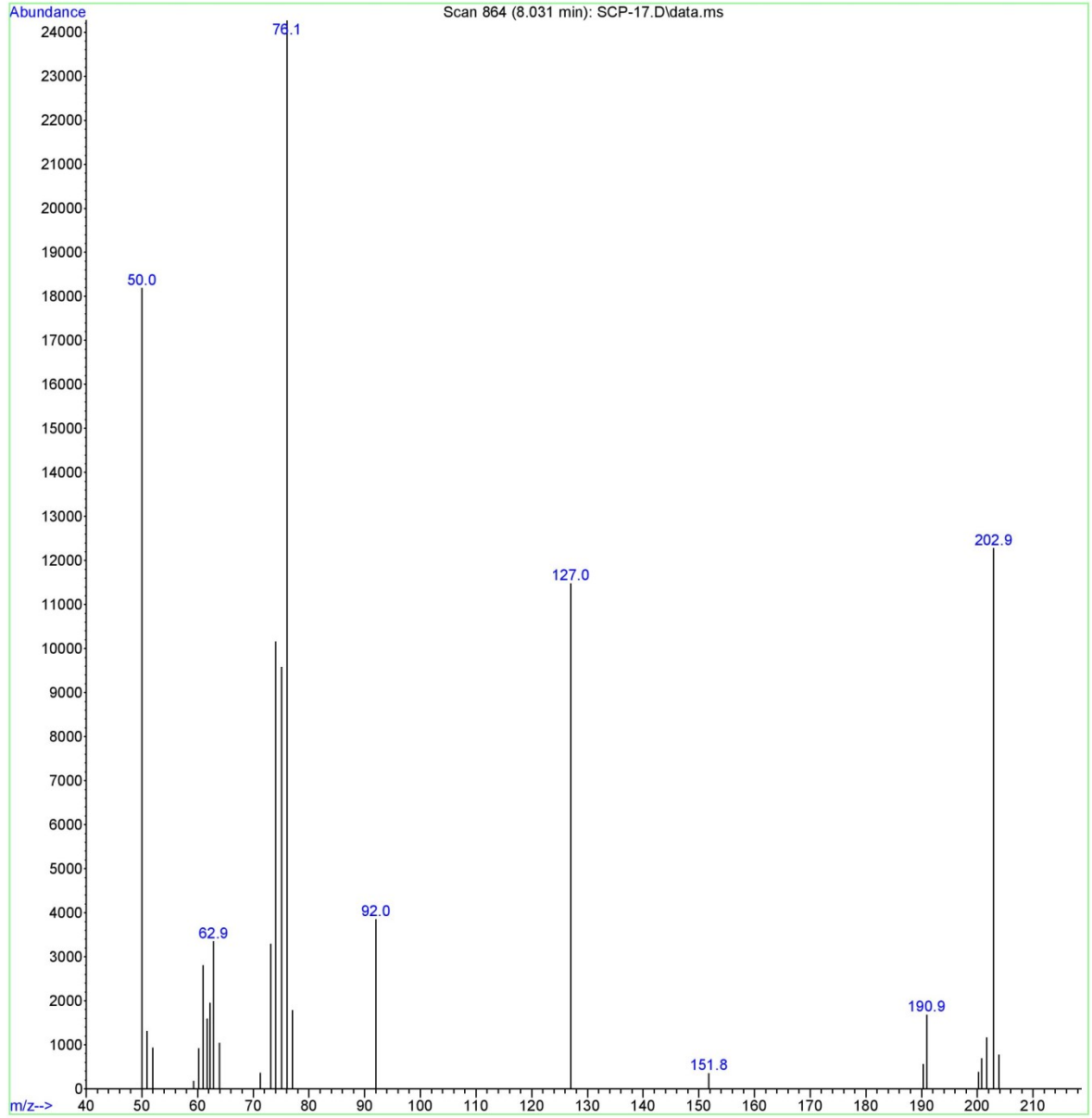
7. Reaction 7



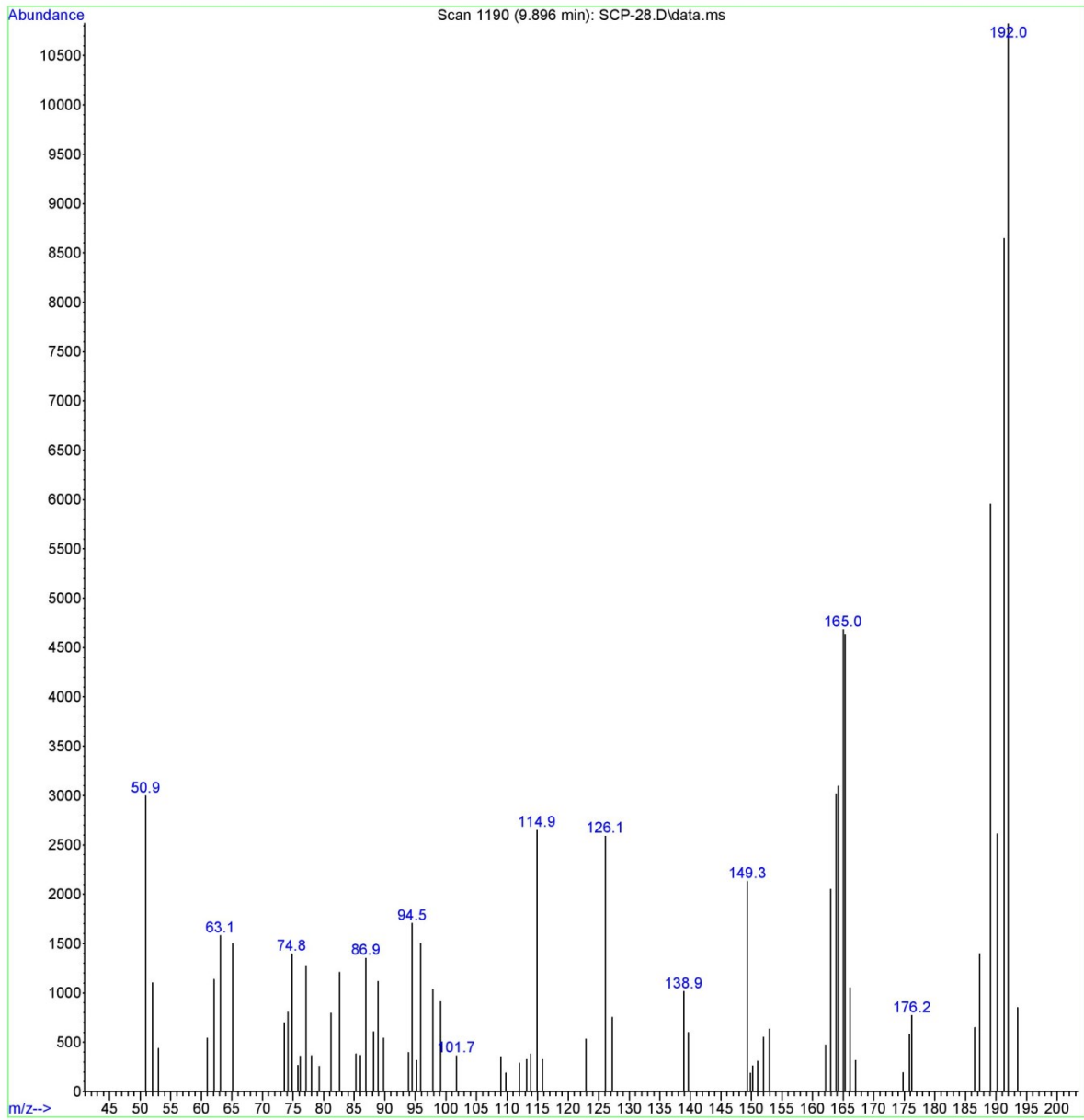
8. Reaction 8



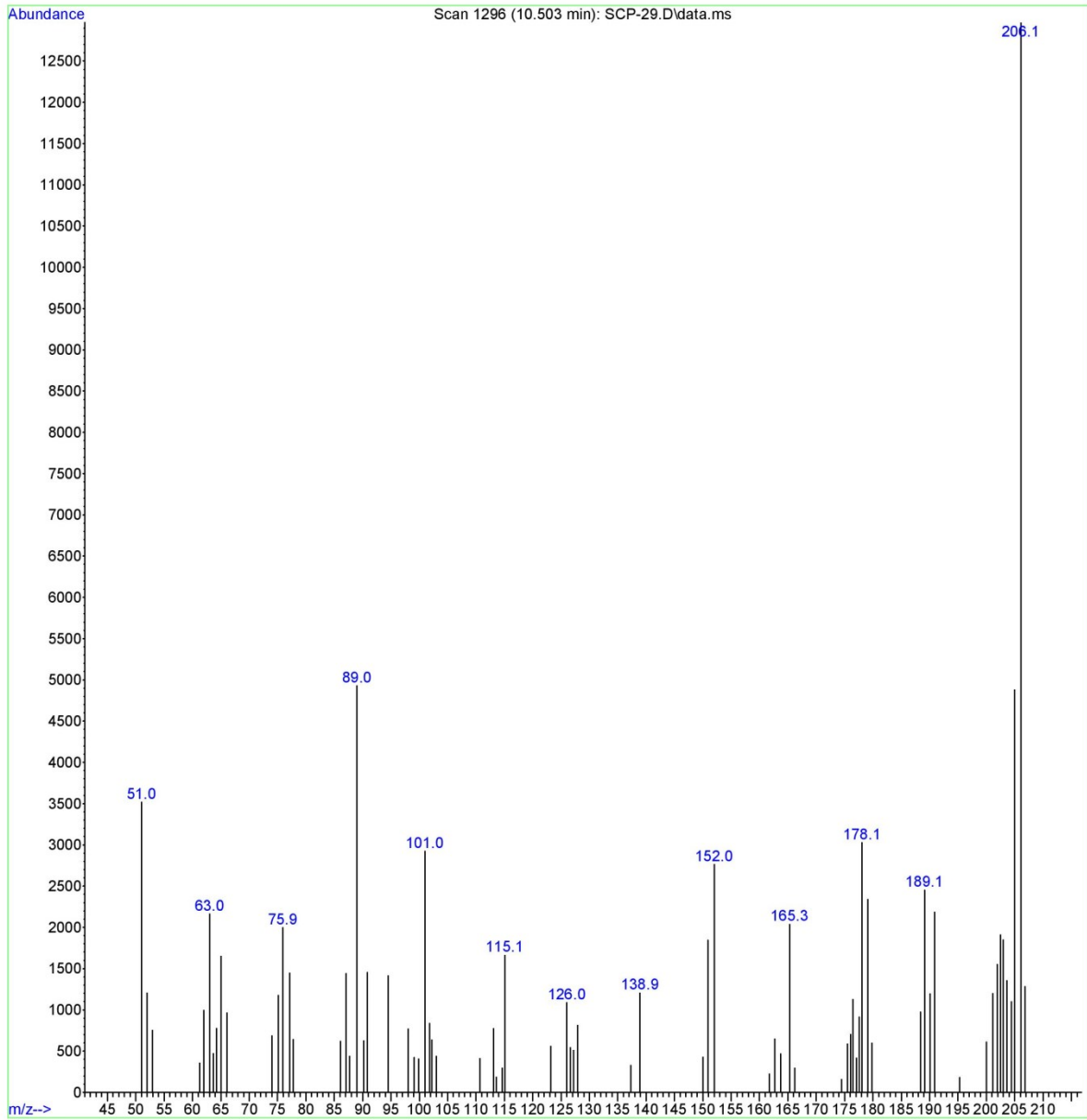
9. Reaction 9



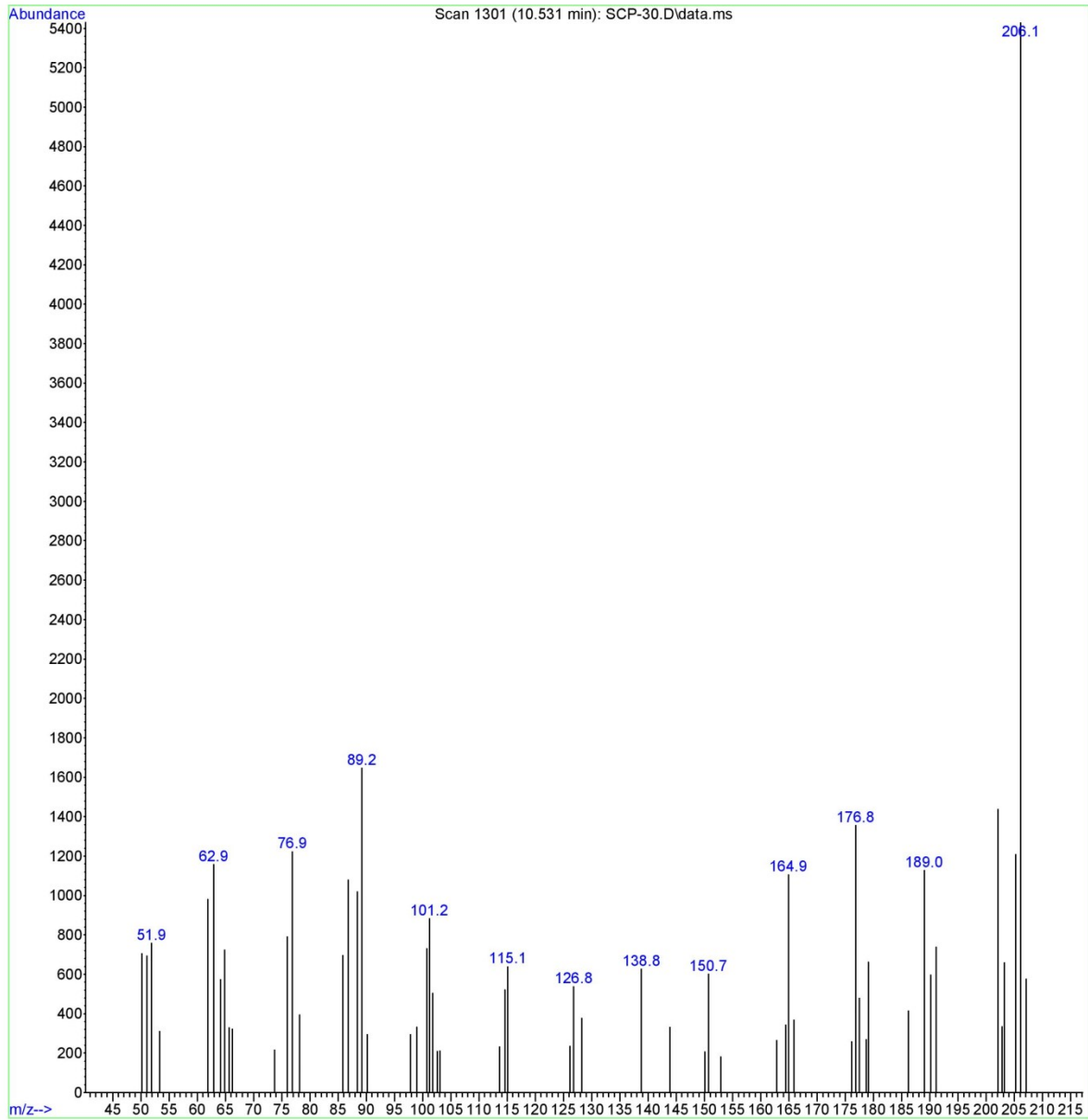
10. Reaction 10



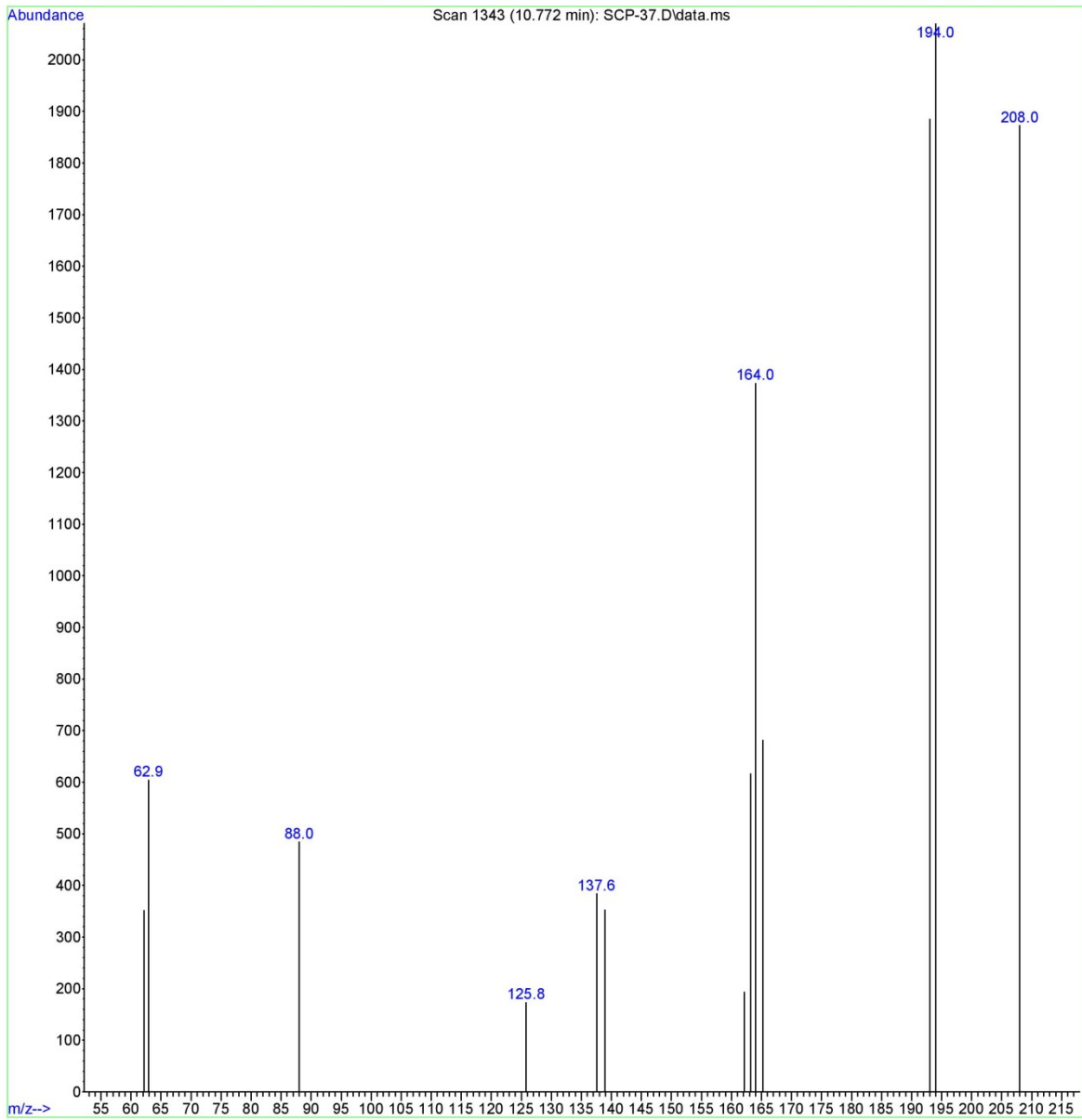
11. Reaction 11



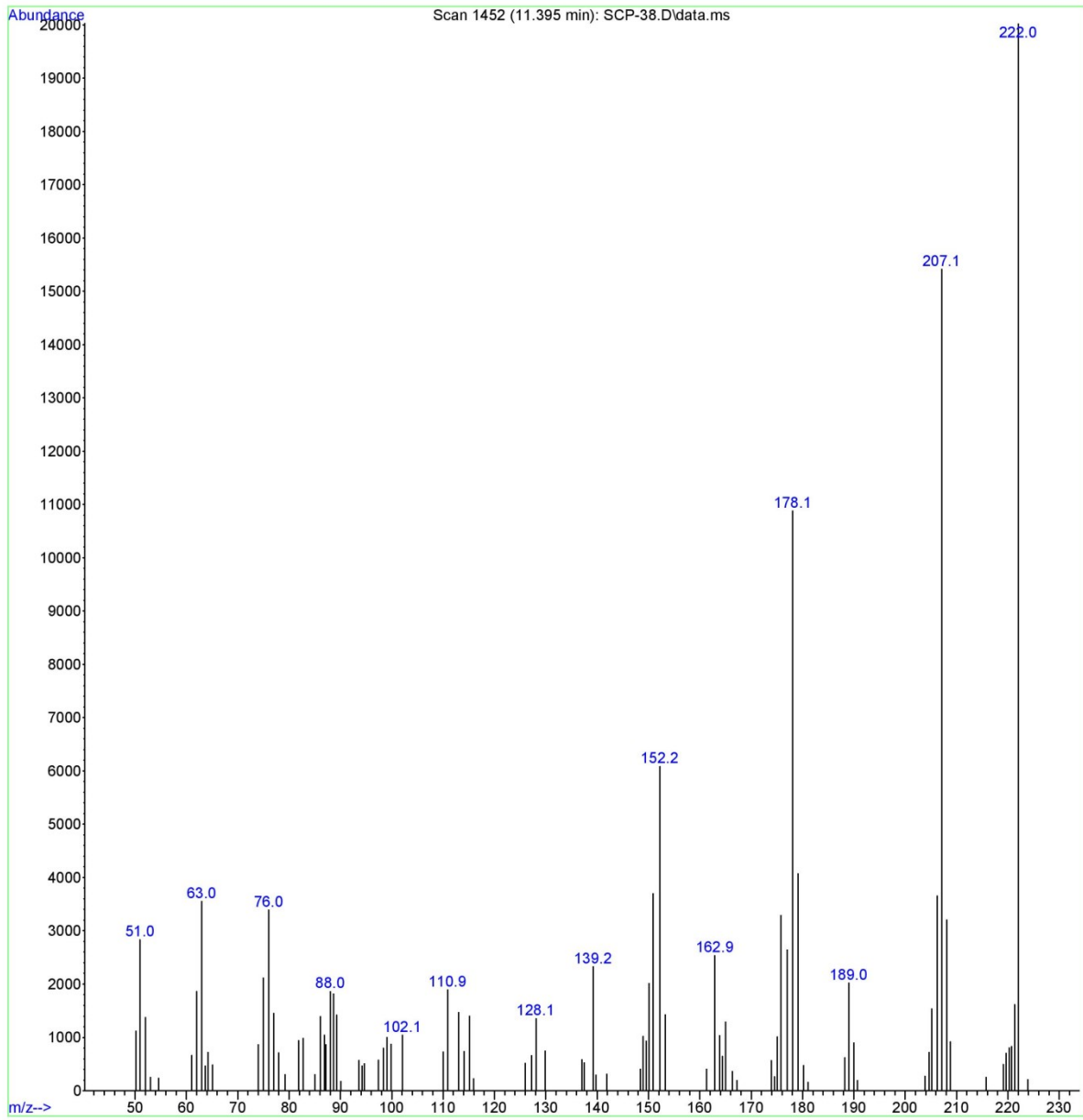
12. Reaction 12



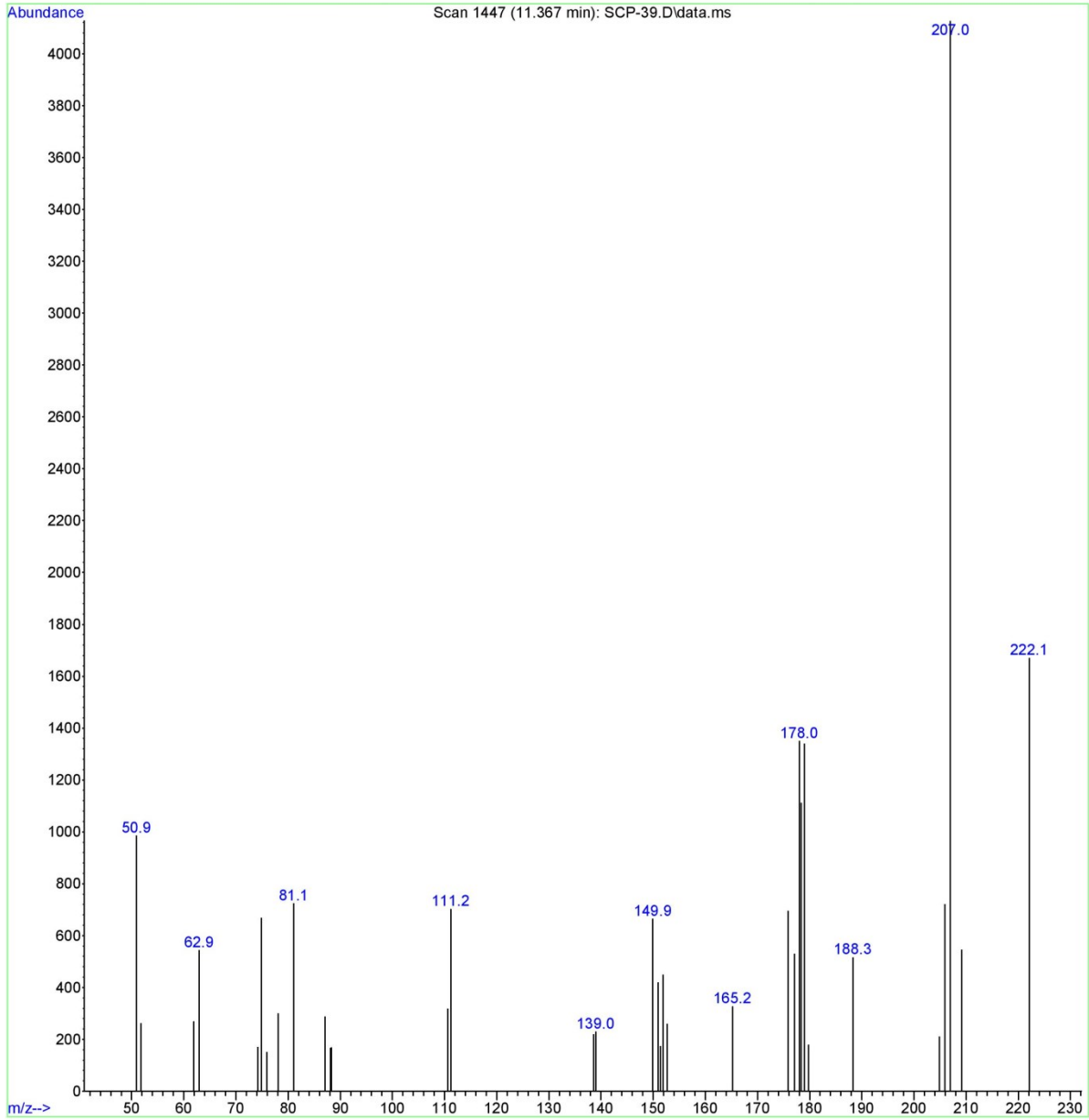
13. Reaction 13



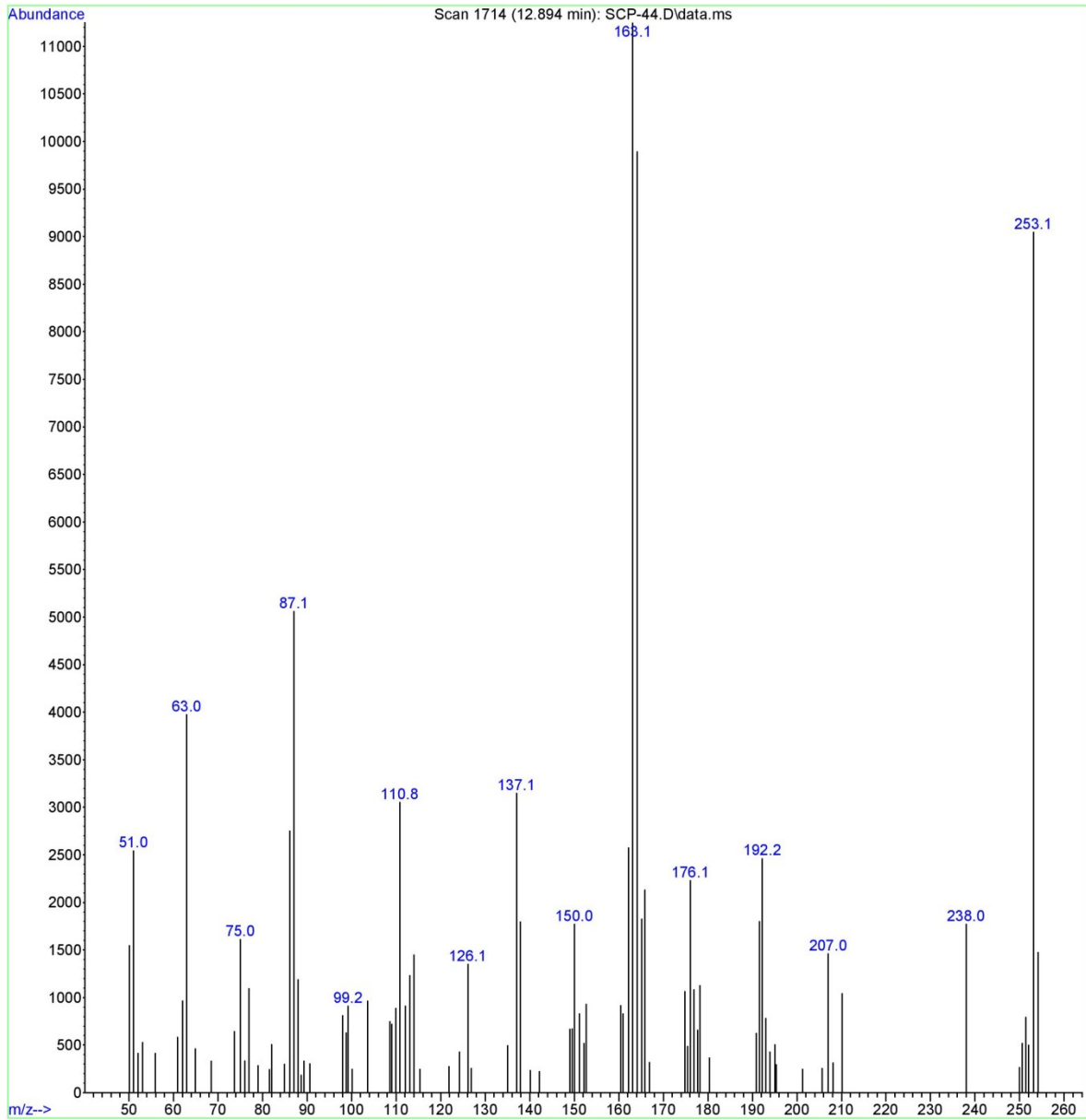
14. Reaction 14



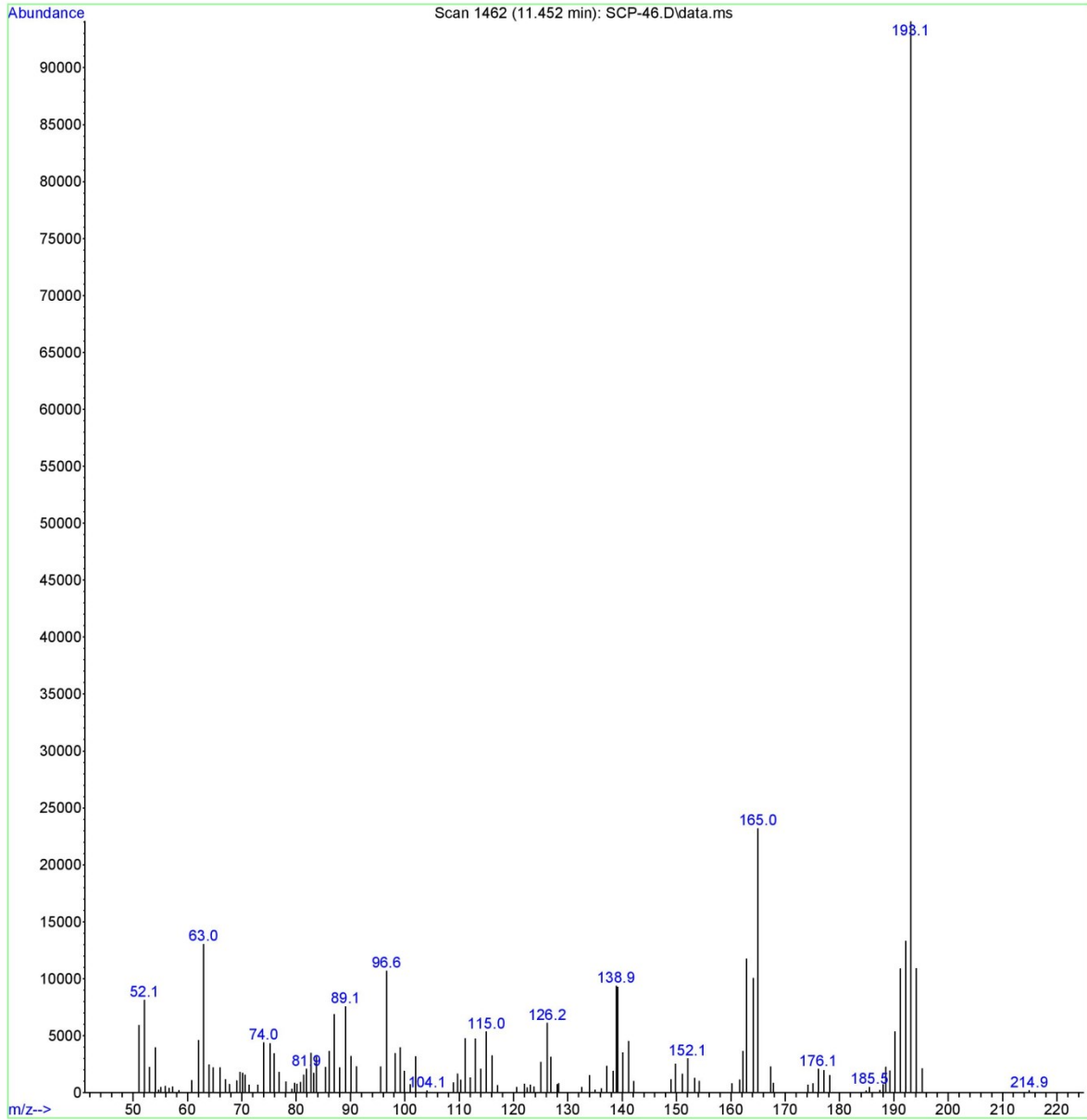
15. Reaction 15



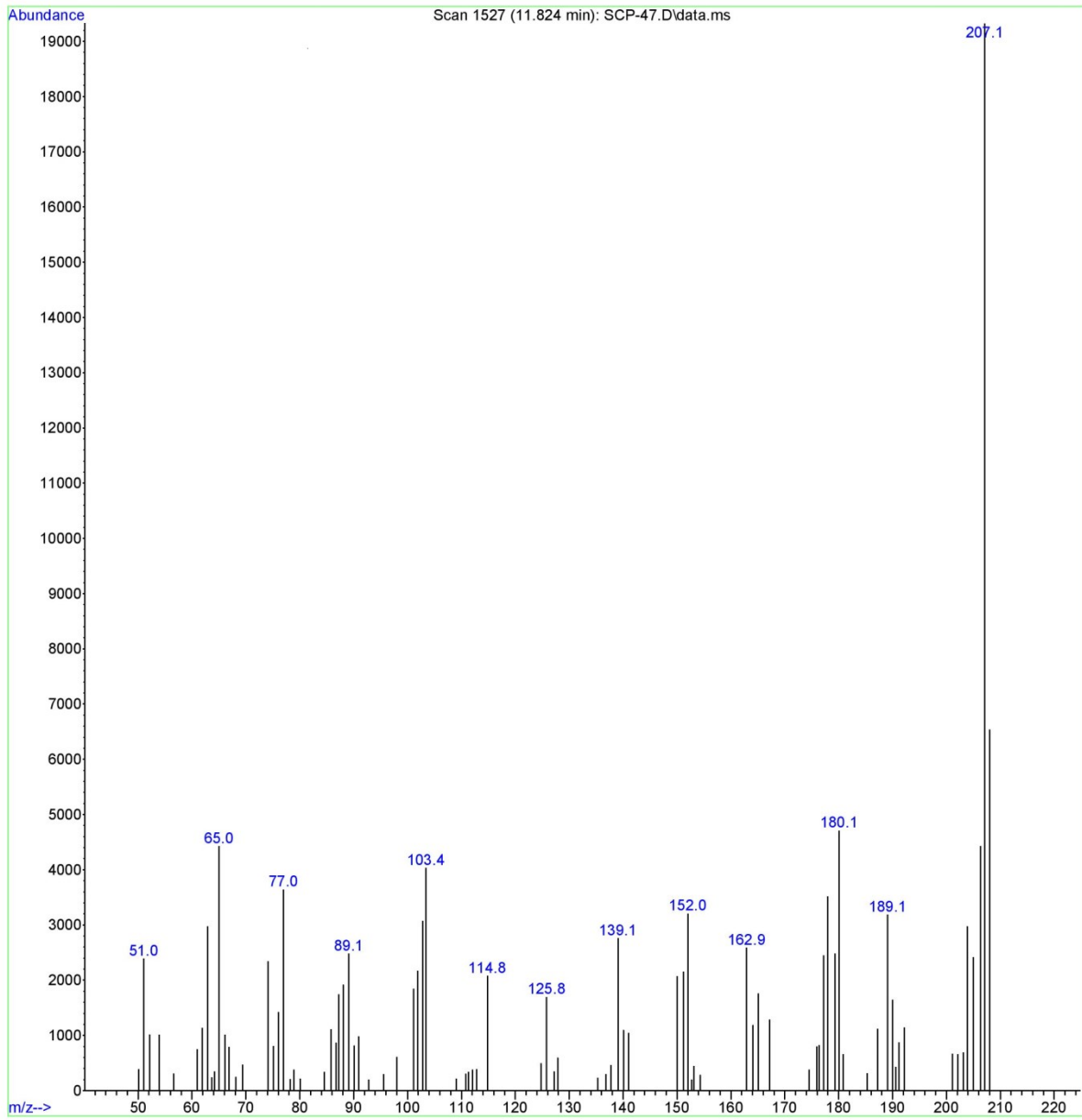
16. Reaction 16



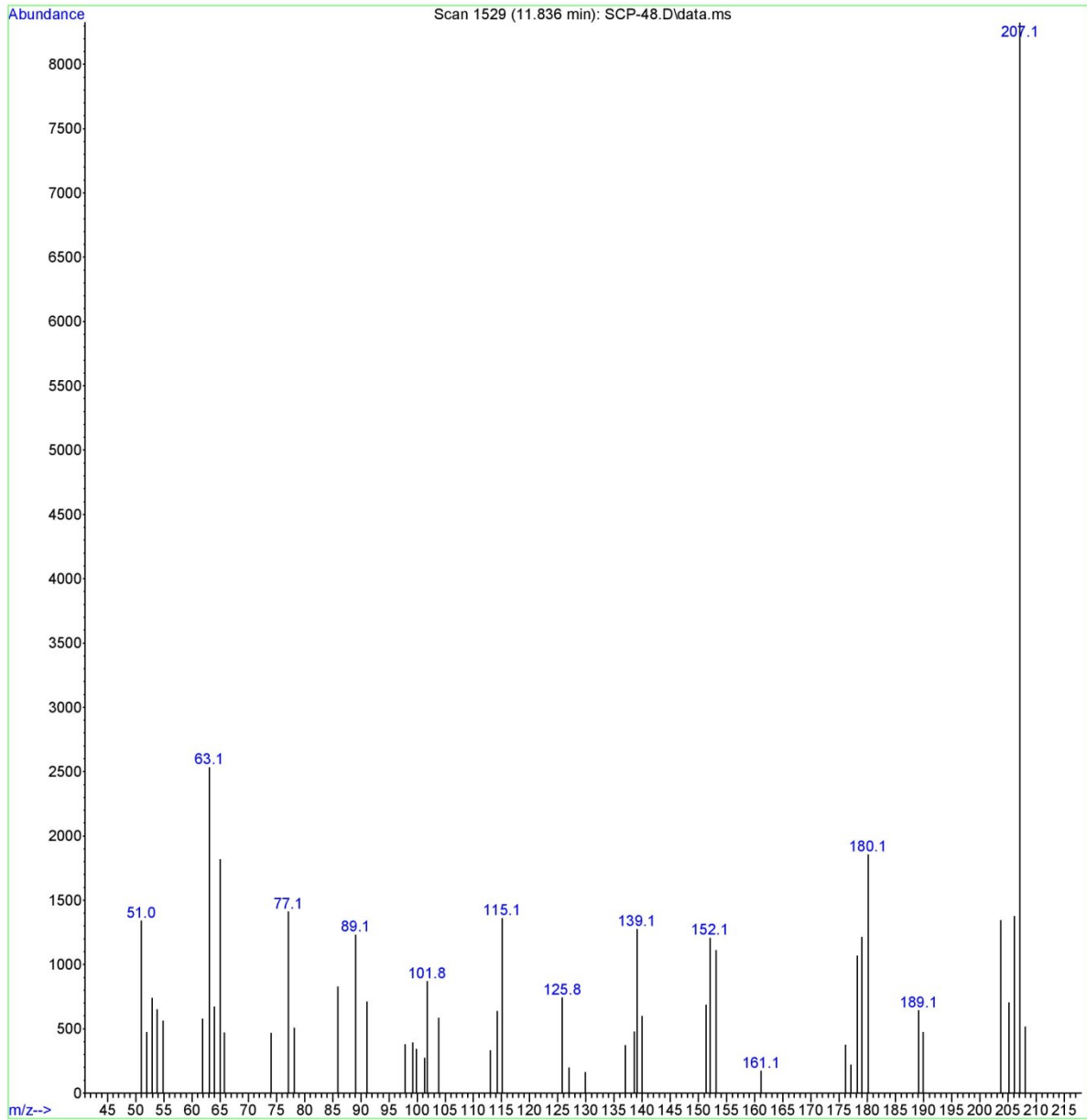
17. Reaction 17



18. Reaction 18

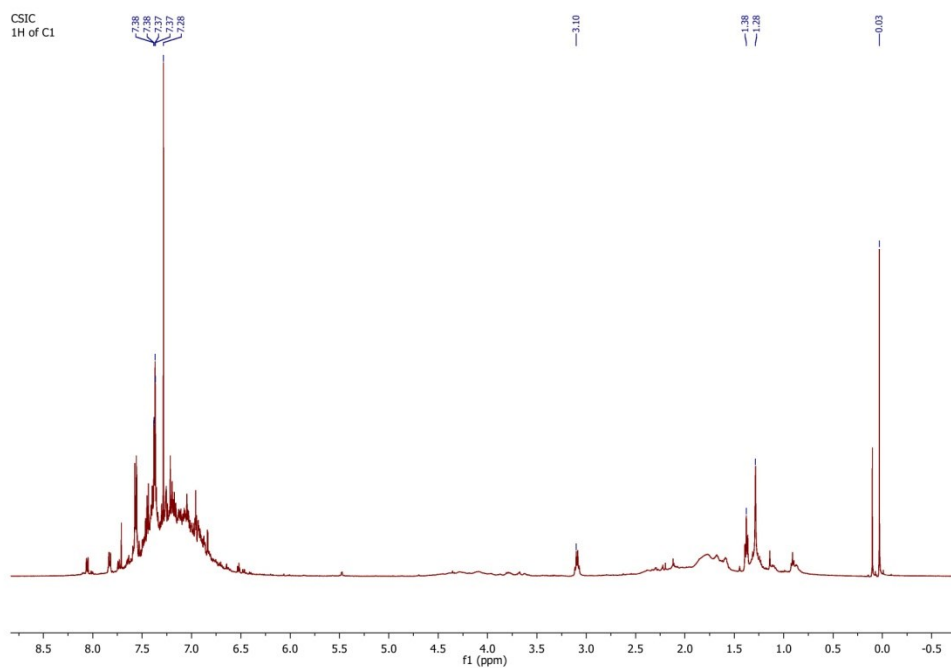


19. Reaction 19

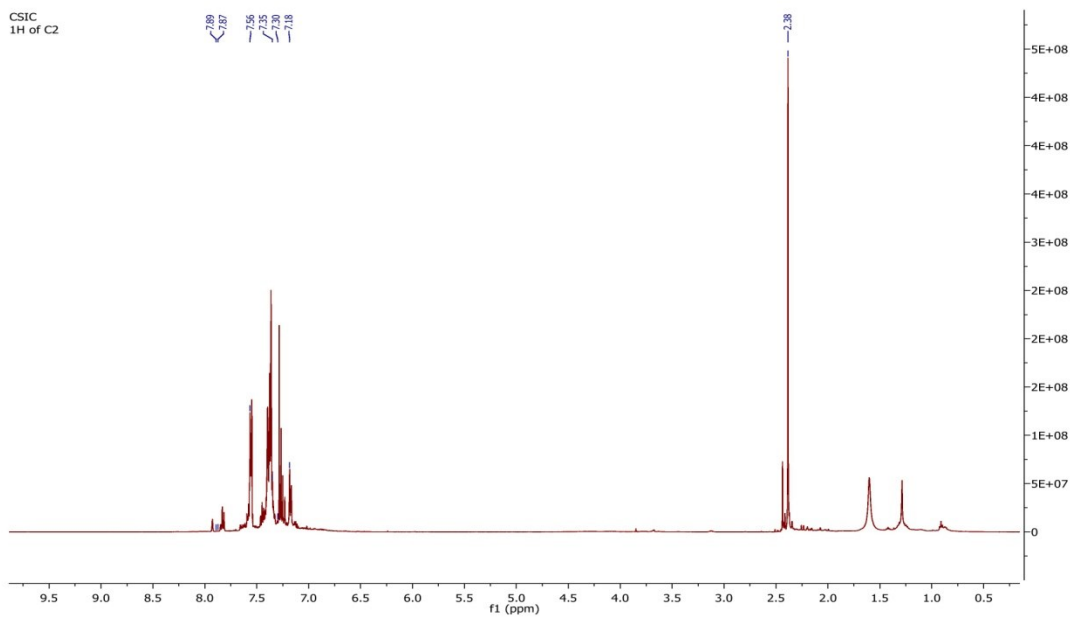


¹H NMR of the products of reaction

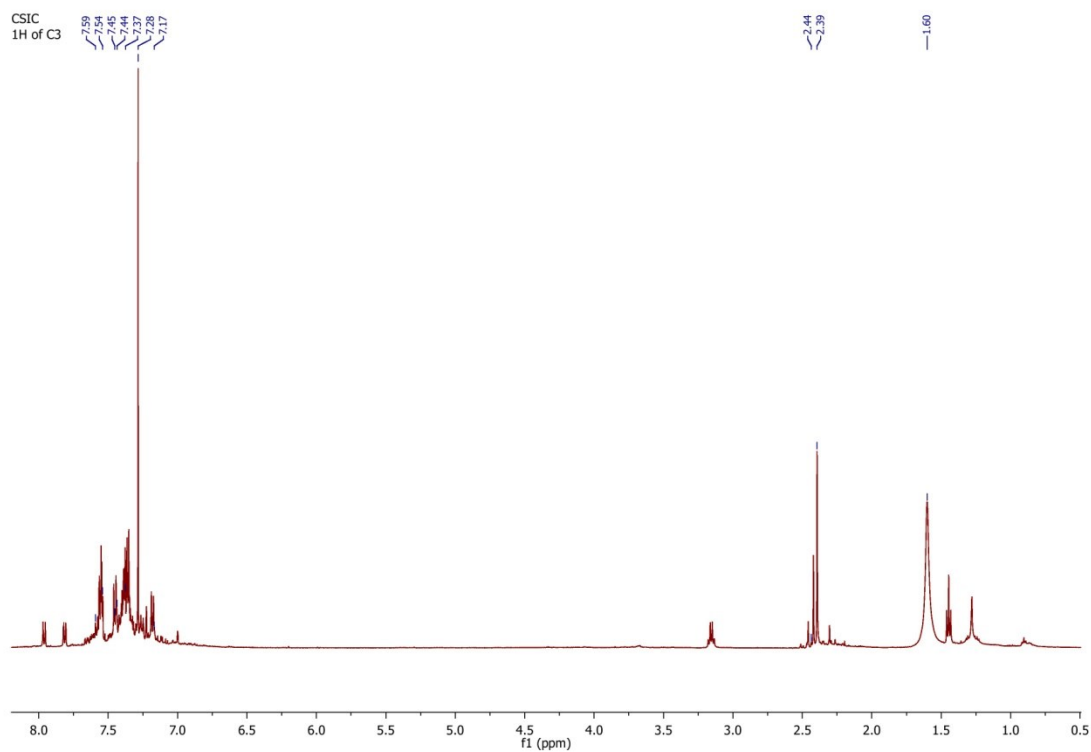
1. Reaction 1



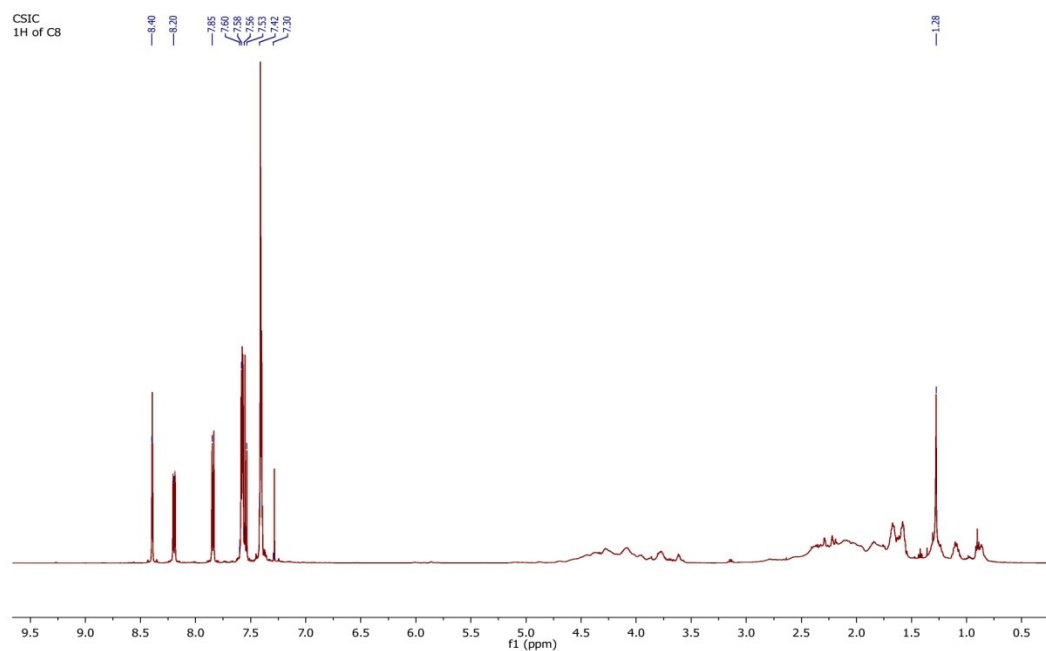
2. Reaction 2



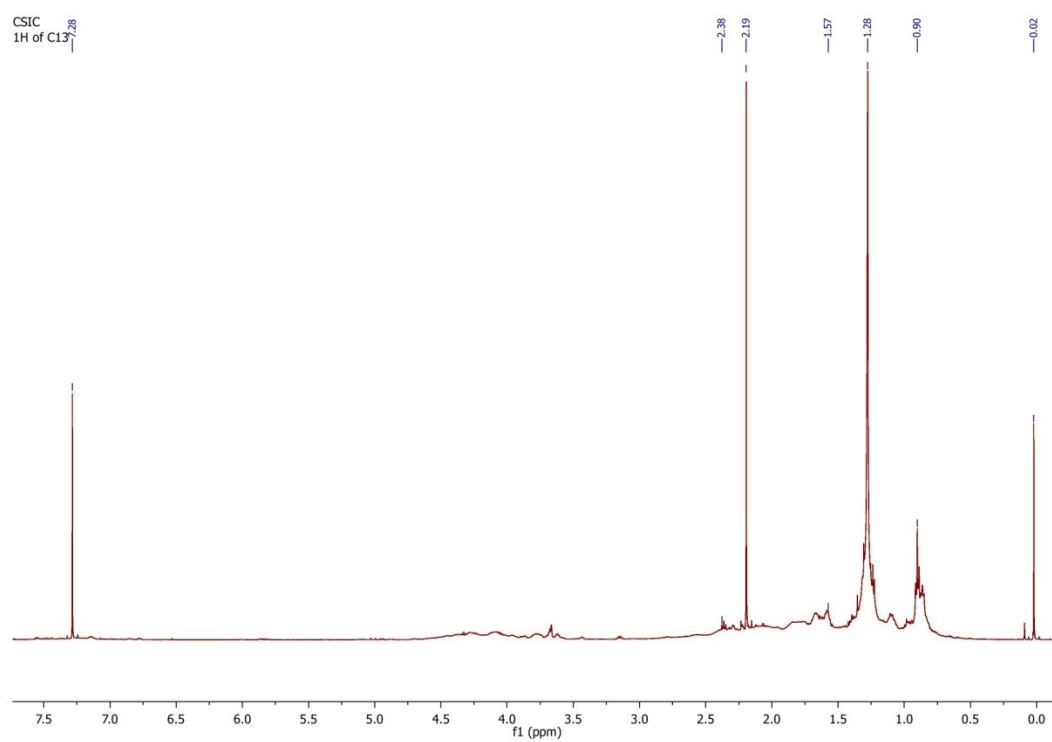
3. Reaction 3



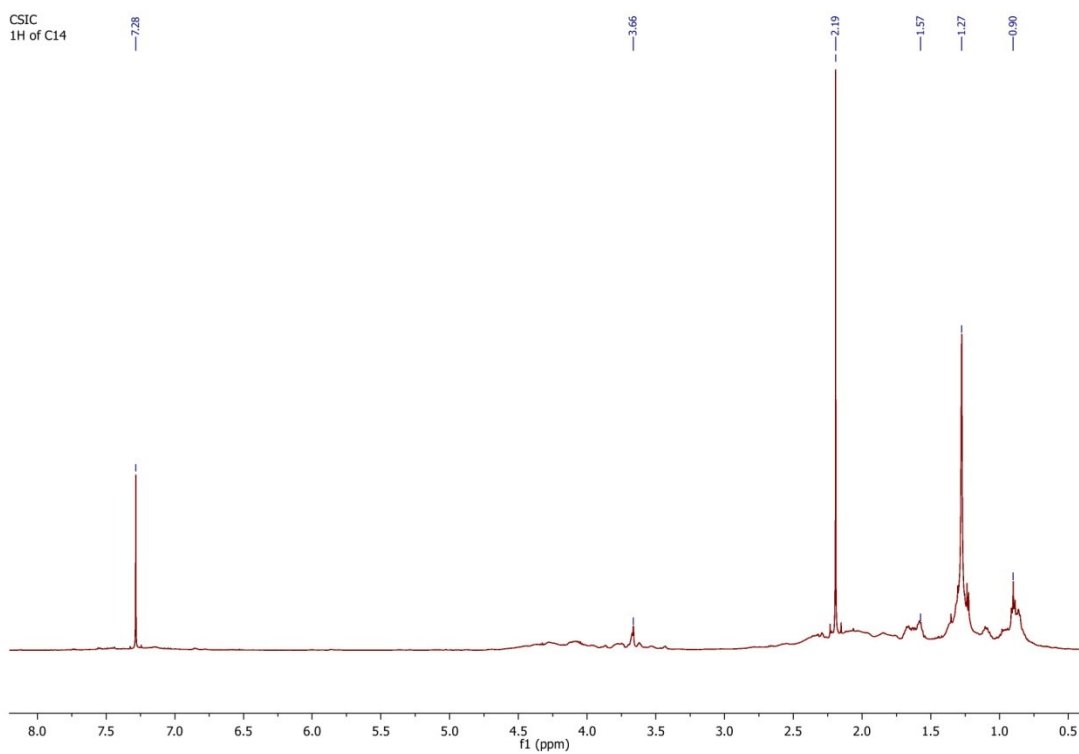
4. Reaction 4



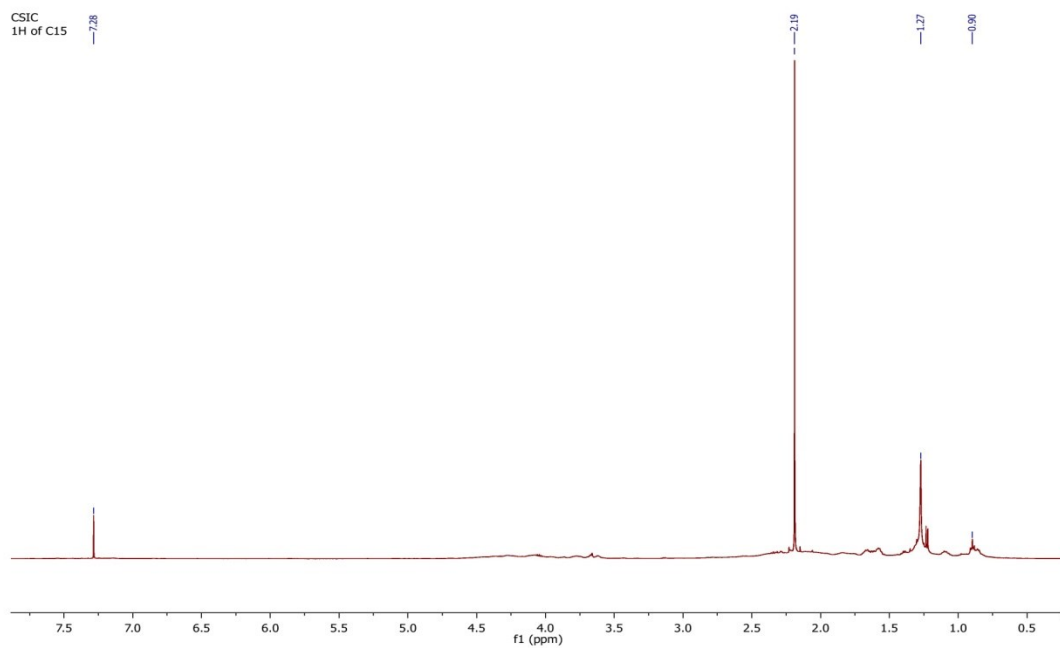
5. Reaction 5



6. Reaction 6



7. Reaction 7



8. Reaction 10

