

SUPPLEMENTARY MATERIAL

Discovery of Novel Thiophene/Hydrazones: *In vitro* and *In silico* Studies against pancreatic cancer

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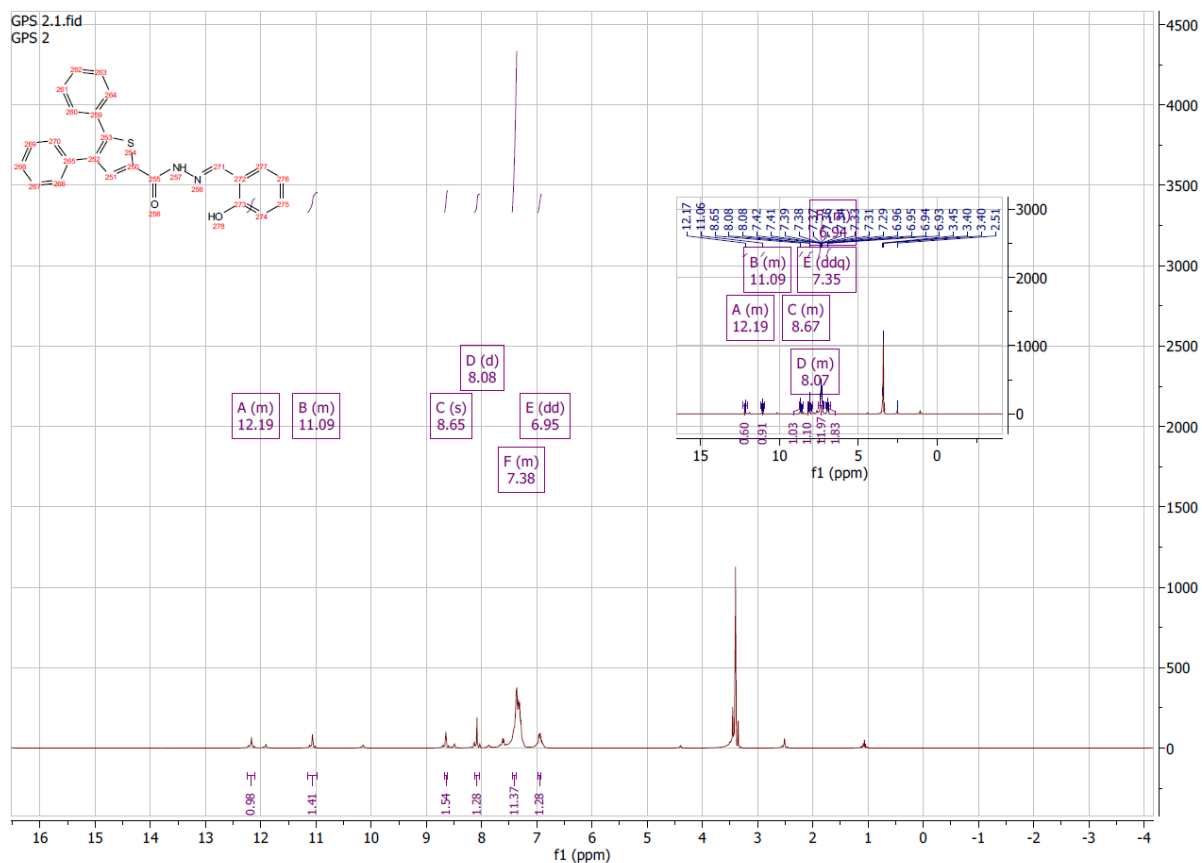


Figure S.1. ^1H -NMR spectrum of compound 7a

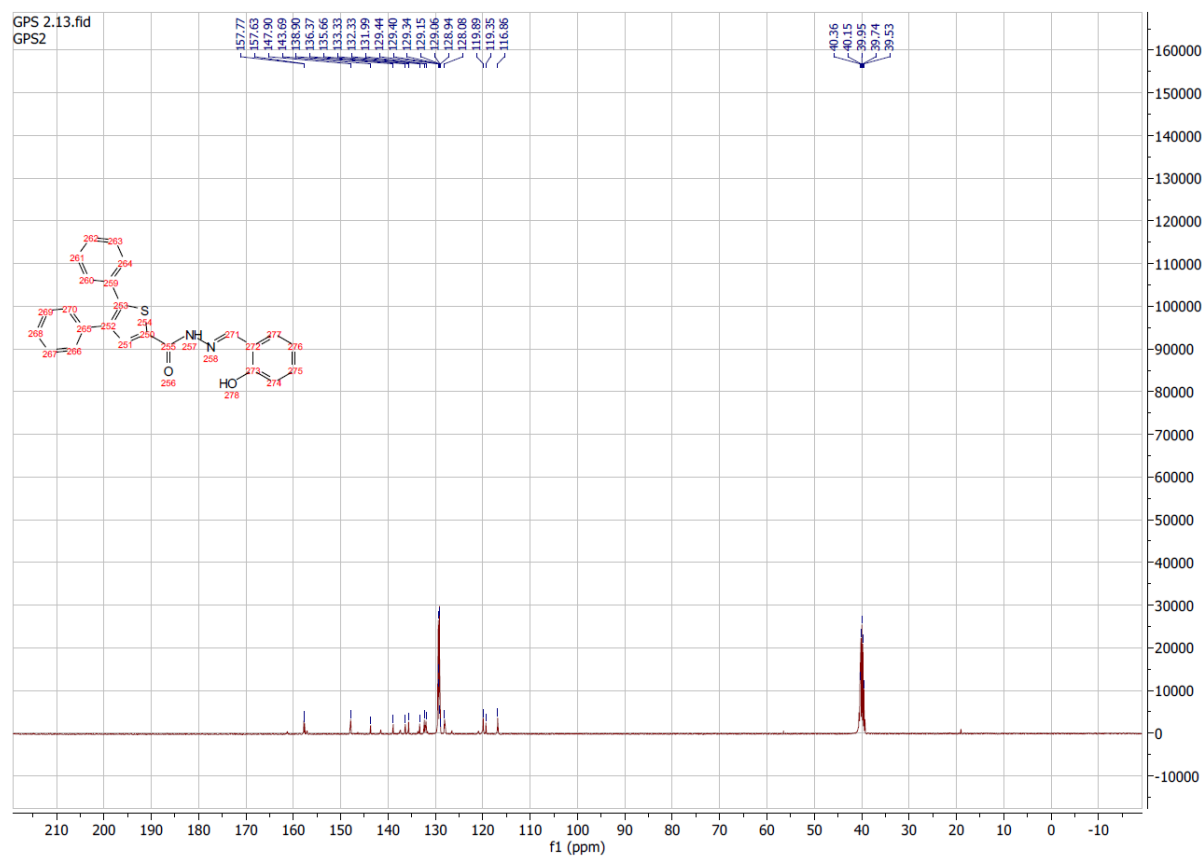


Figure S.2. ^{13}C -NMR spectrum of compound 7a

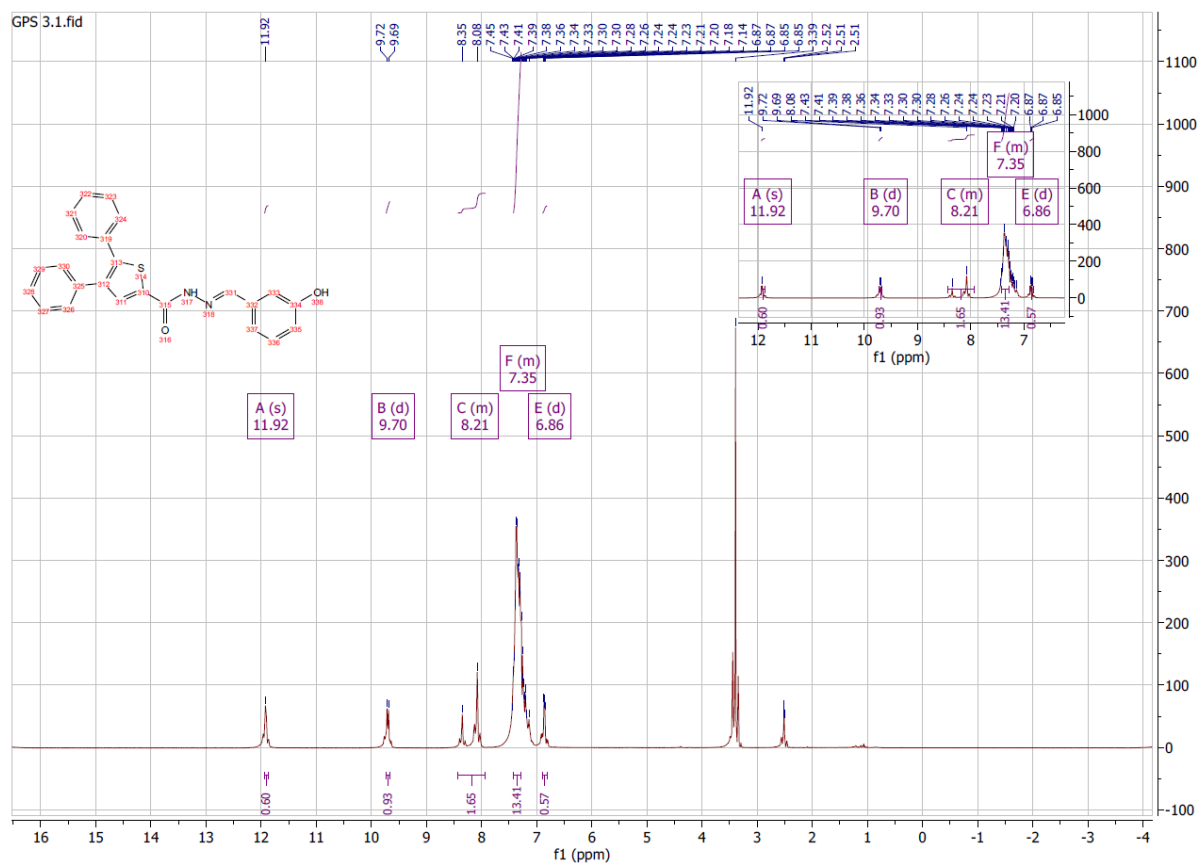


Figure S.3. ^1H -NMR spectrum of compound 7b

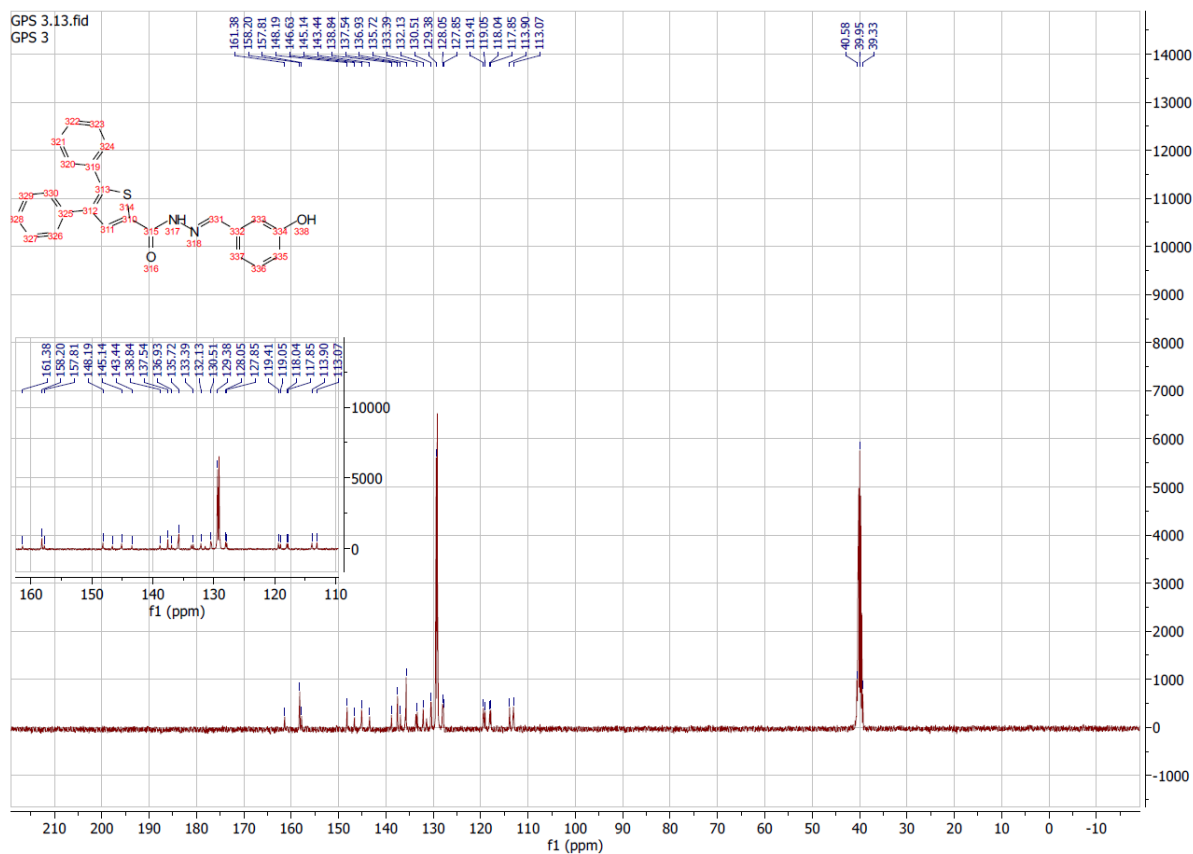


Figure S.4. ^{13}C -NMR spectrum of compound 7b

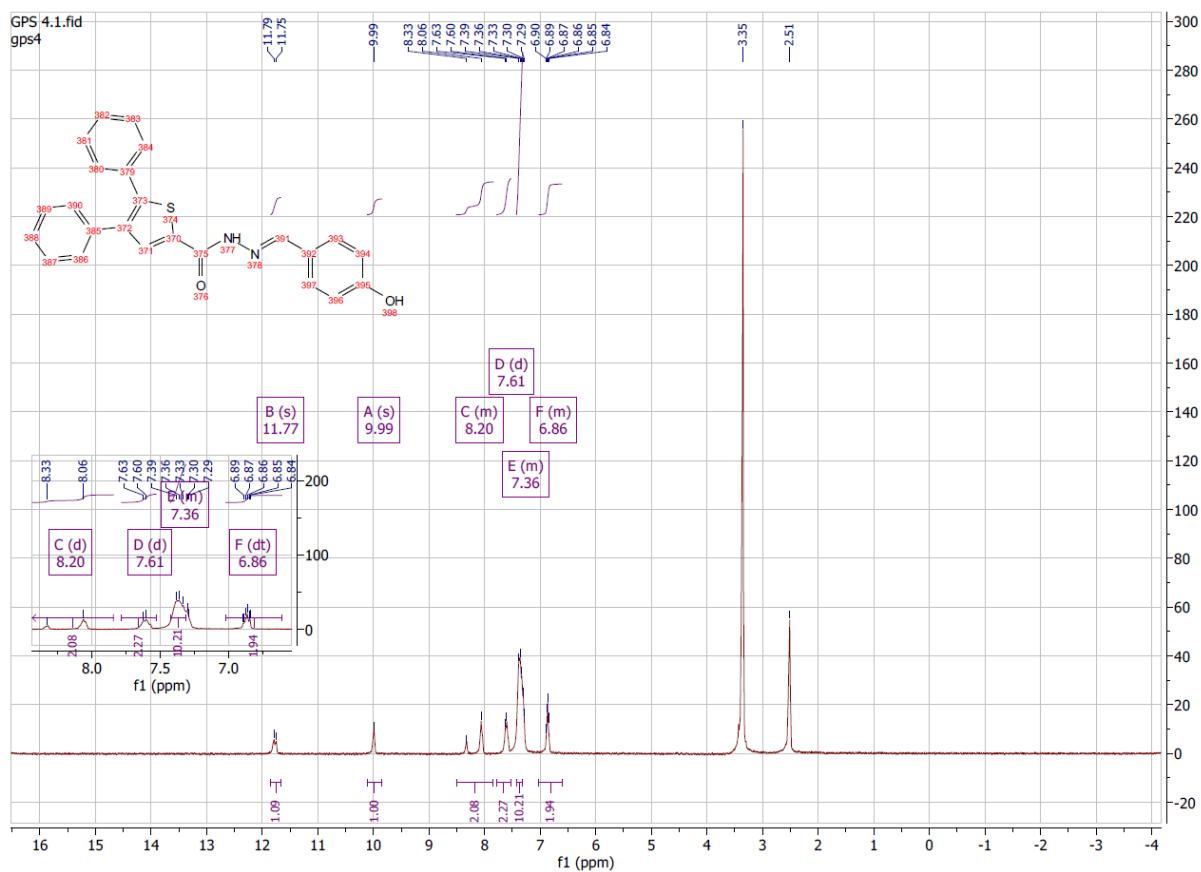


Figure S.5. ^1H -NMR spectrum of compound 7c

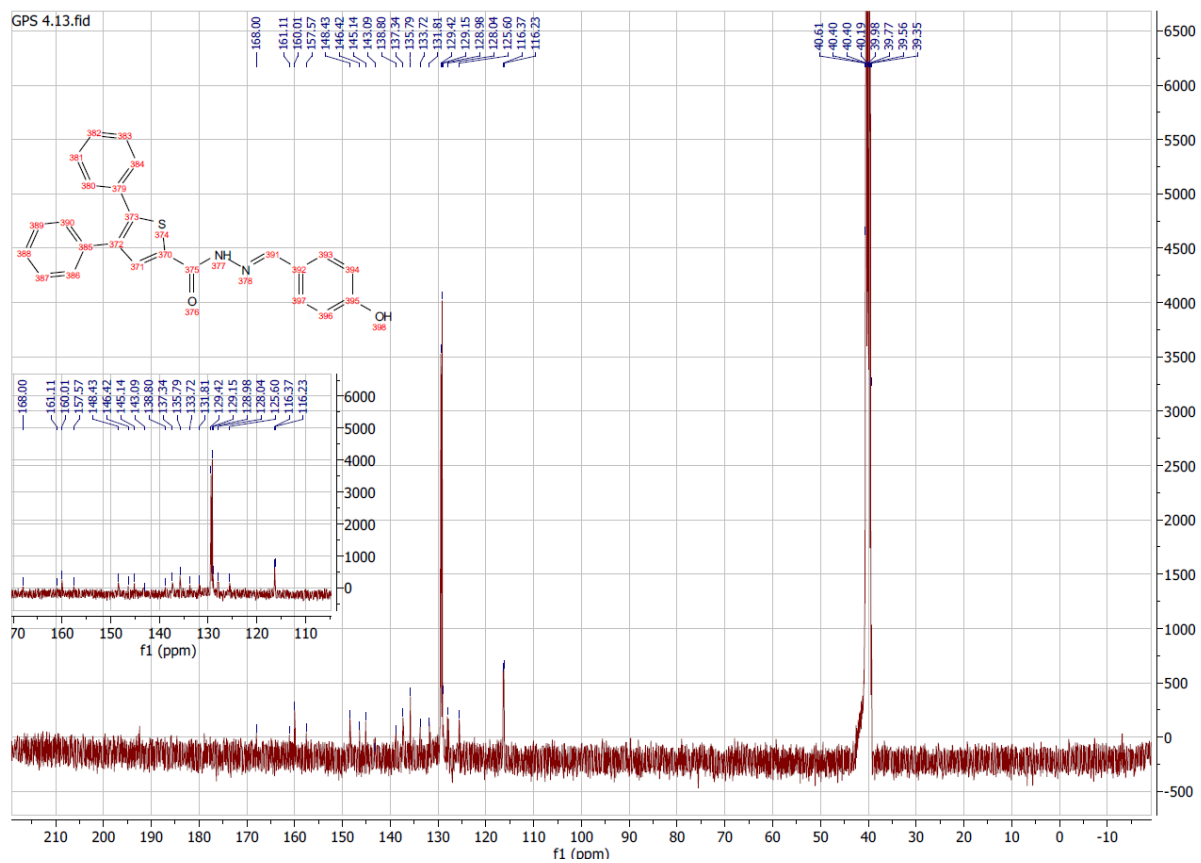


Figure S.6. ^{13}C -NMR spectrum of compound 7c

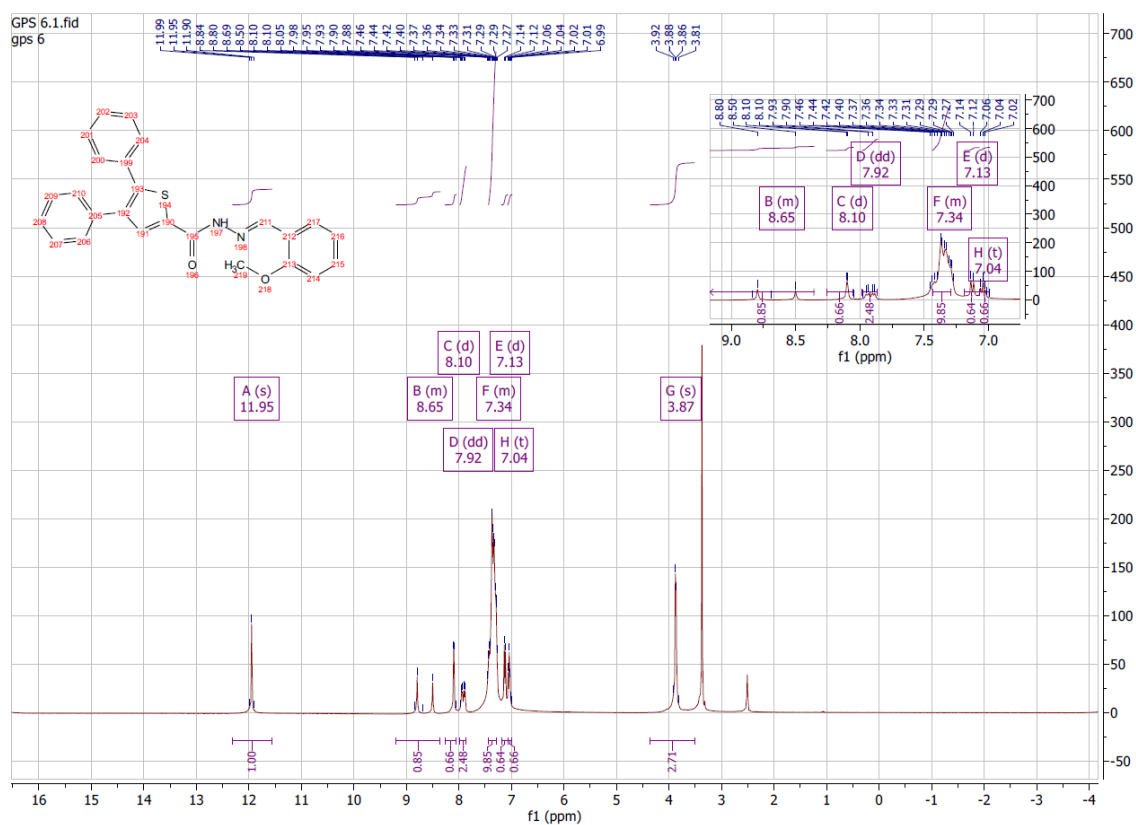


Figure S.7. ^1H -NMR spectrum of compound 7d

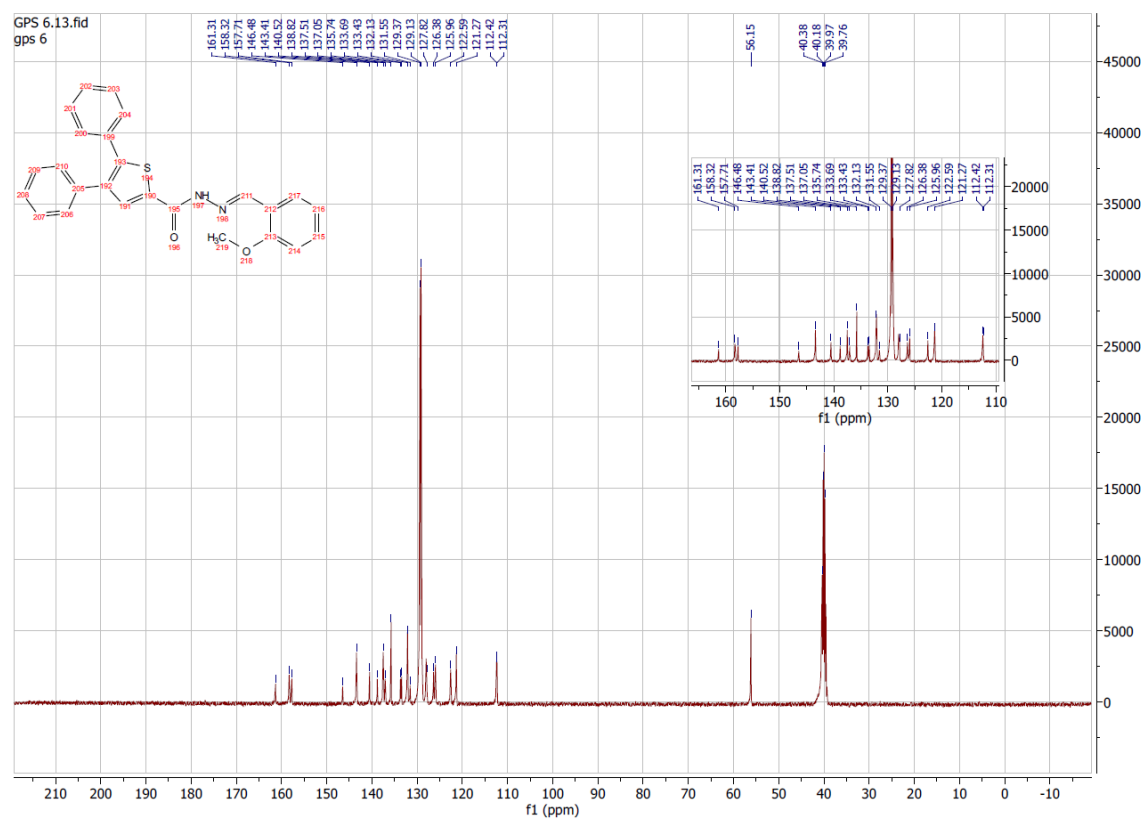


Figure S.8. ^{13}C -NMR spectrum of compound 7d

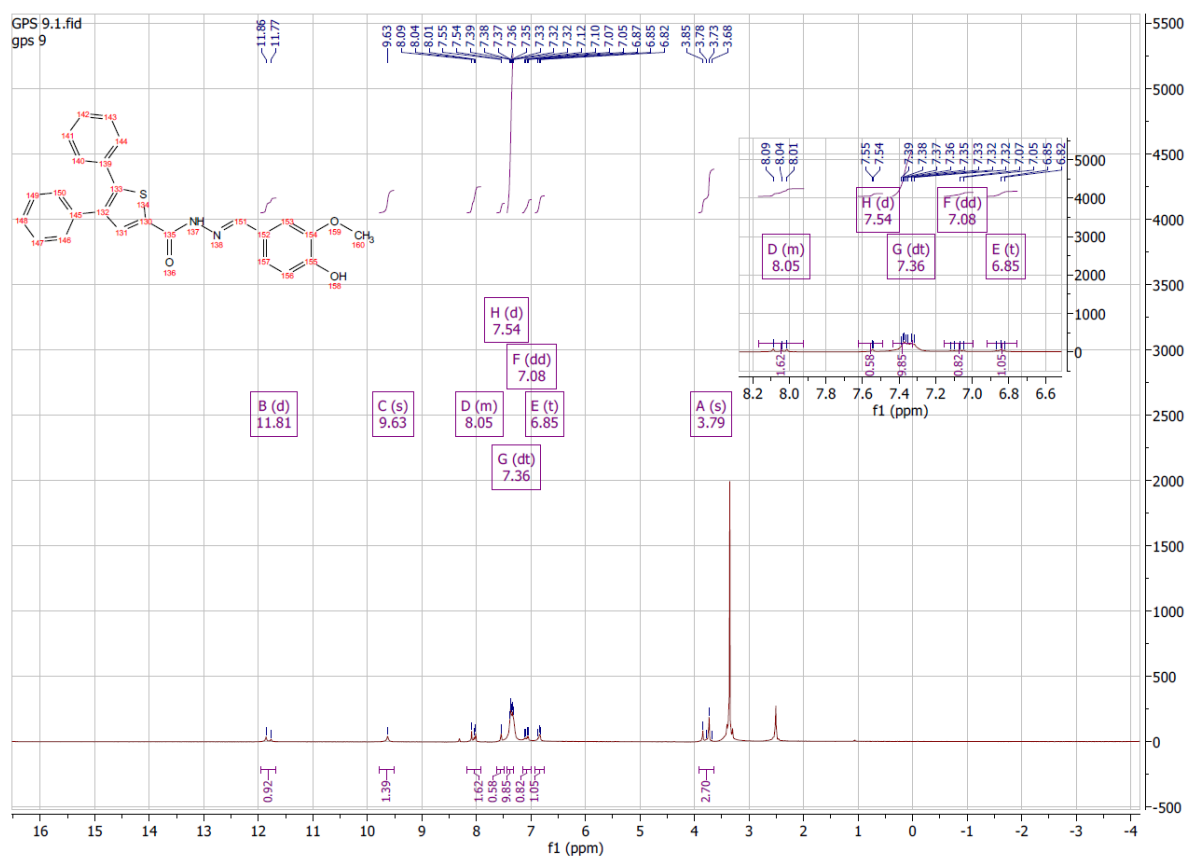


Figure S.9. ^1H -NMR spectrum of compound 7e

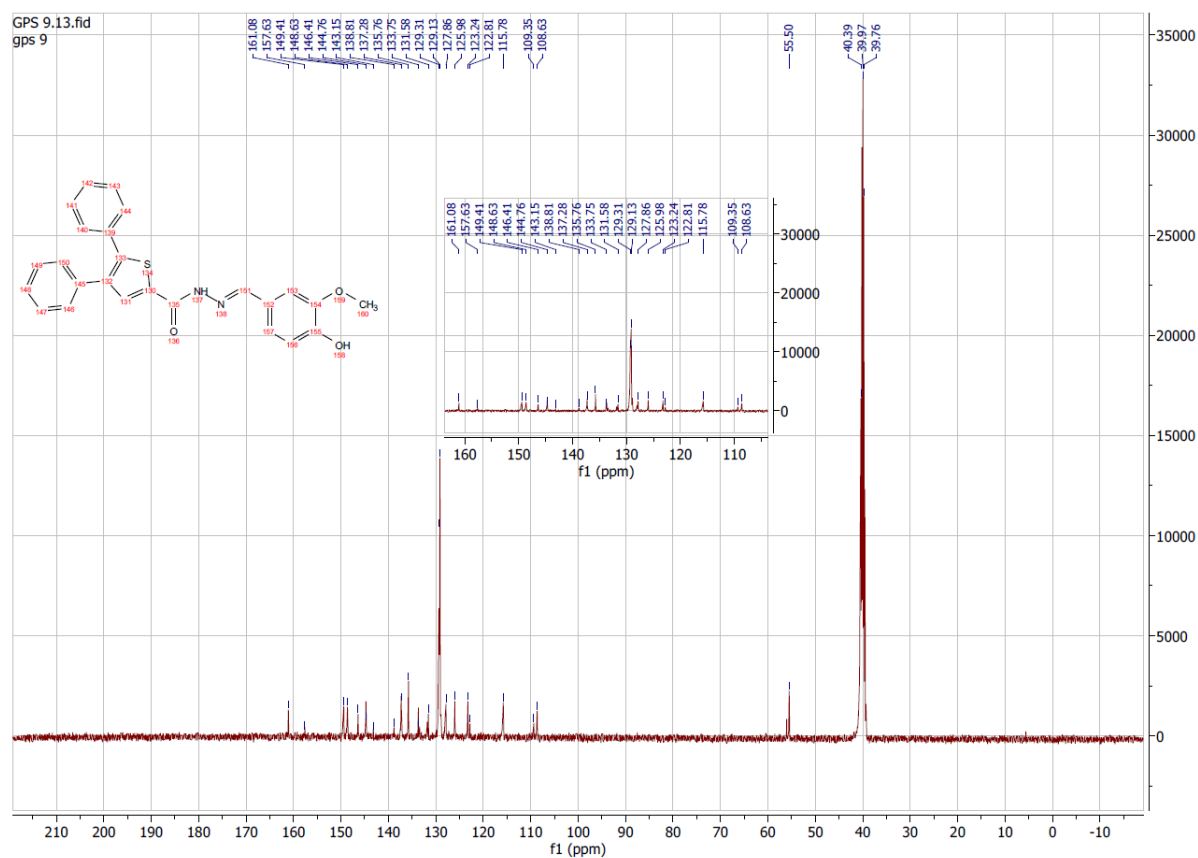


Figure S.10. ^{13}C -NMR spectrum of compound 7e

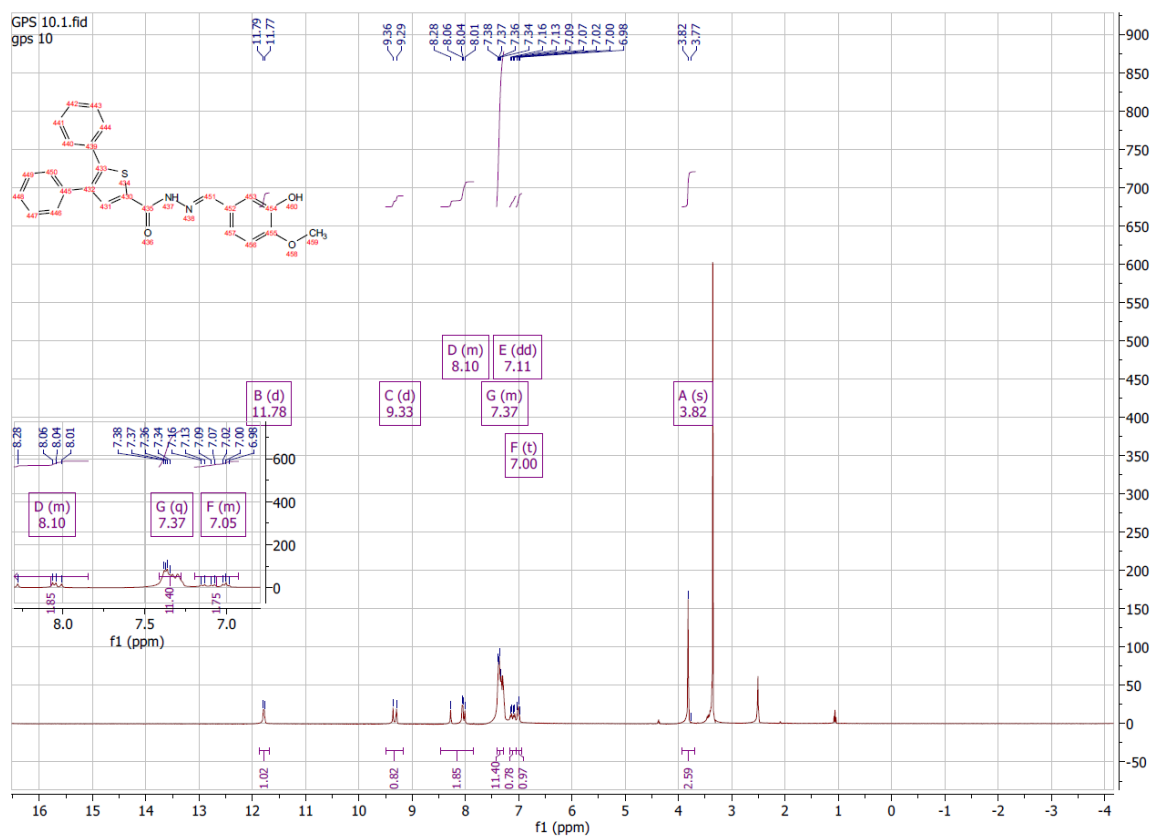


Figure S.11. ^1H -NMR spectrum of compound 7f

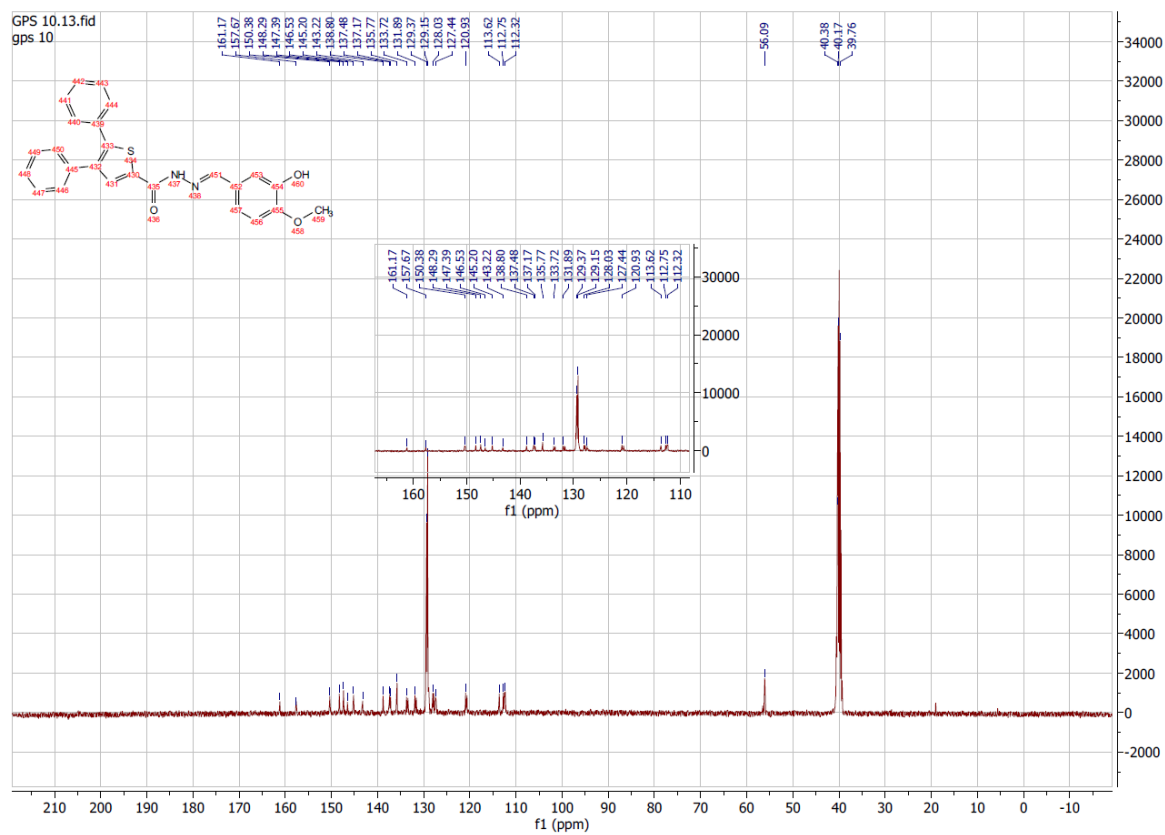


Figure S.12. ^{13}C -NMR spectrum of compound 7f

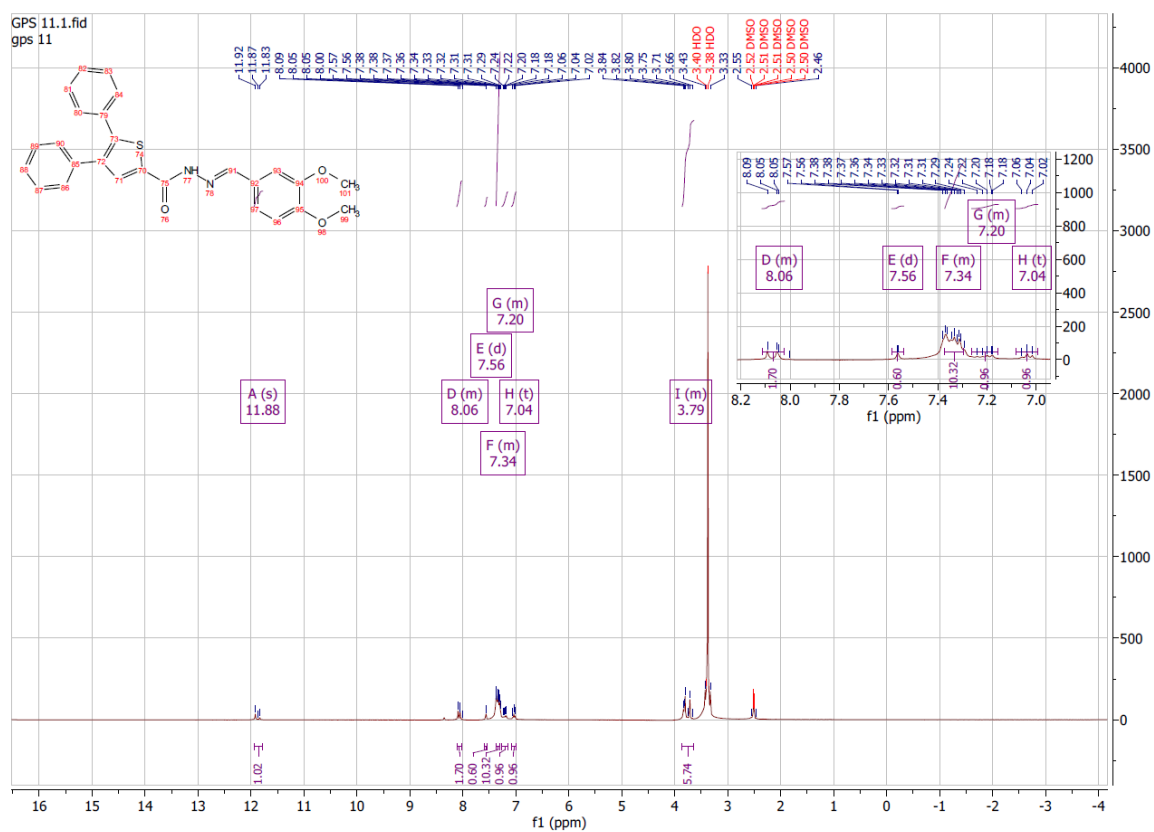


Figure S.13. ^1H -NMR spectrum of compound 7g

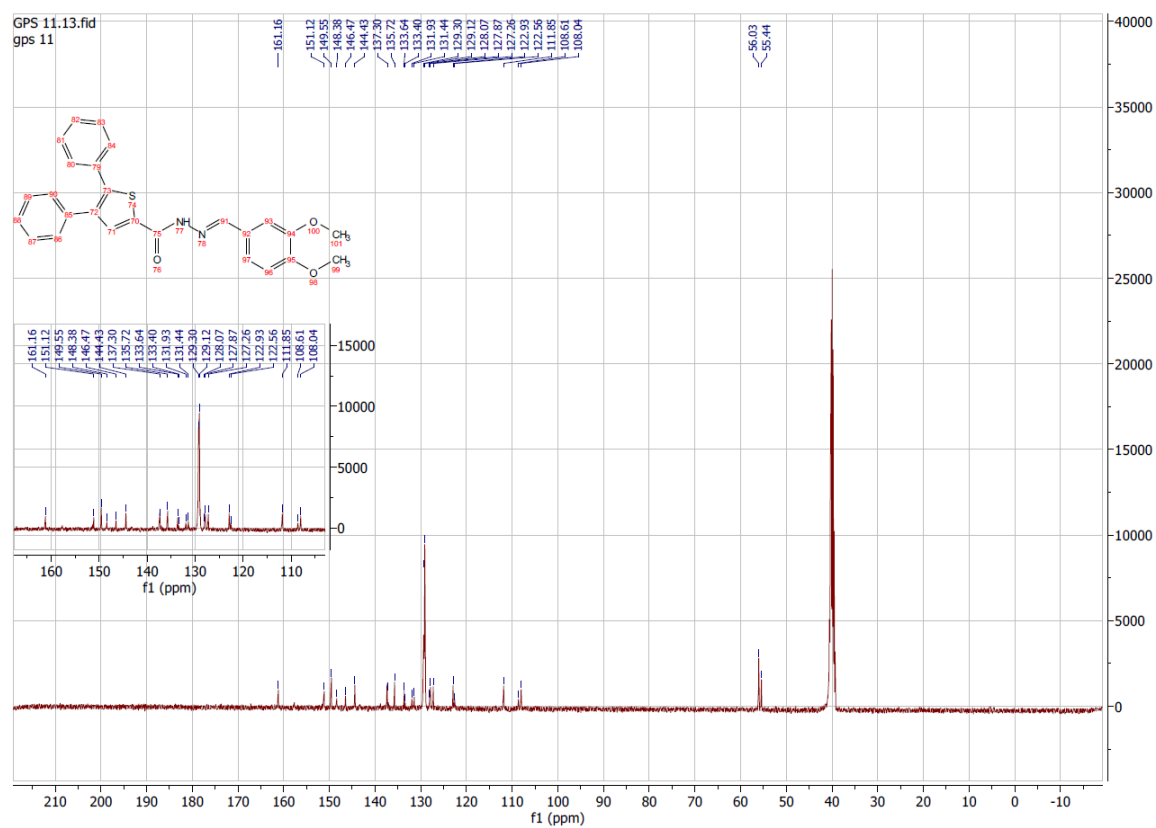


Figure S.14. ^{13}C -NMR spectrum of compound 7g

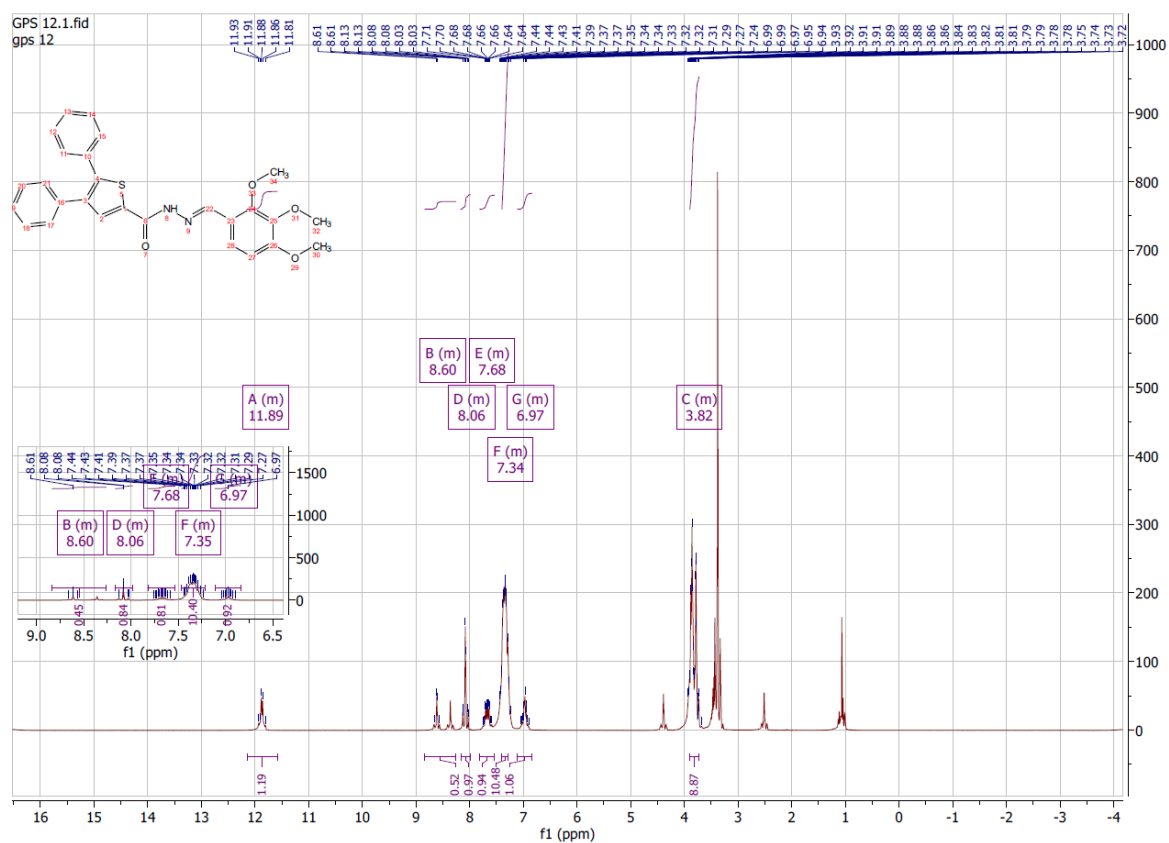


Figure S.15.- ^1H -NMR spectrum of compound 7h

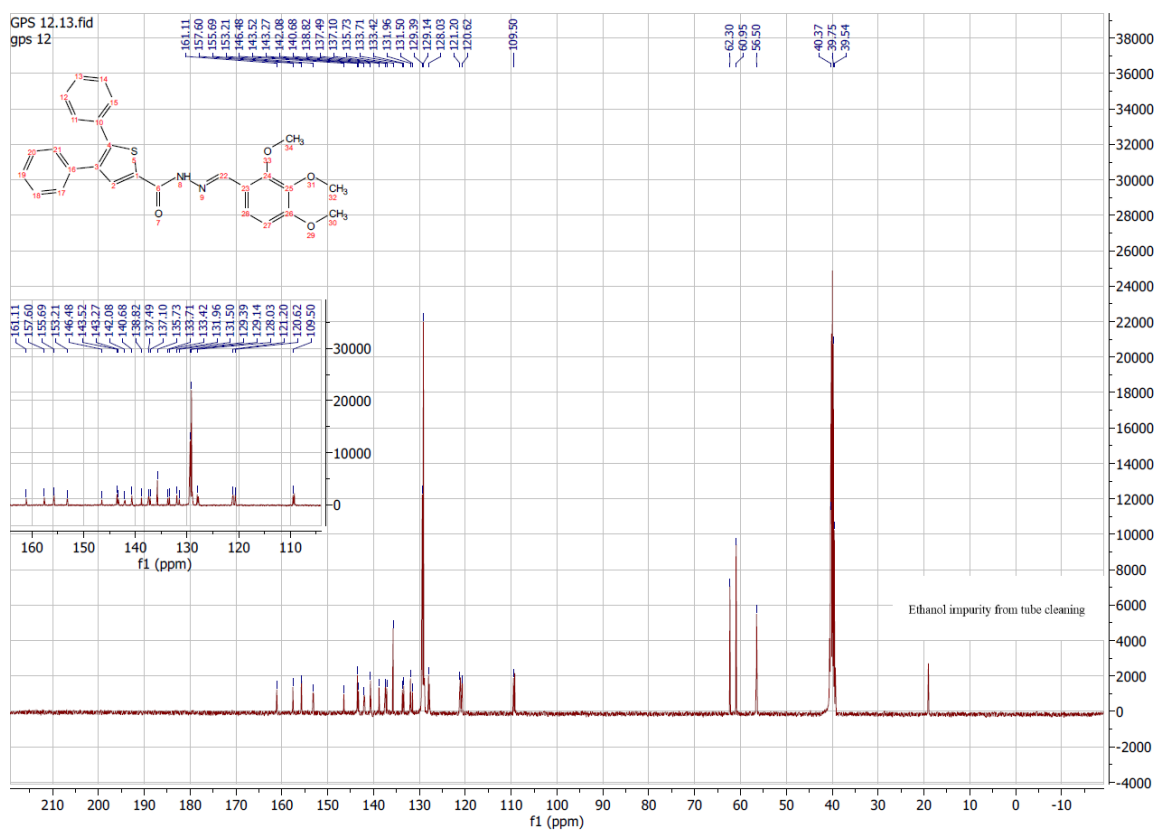


Figure S.16. ^{13}C -NMR spectrum of compound 7h

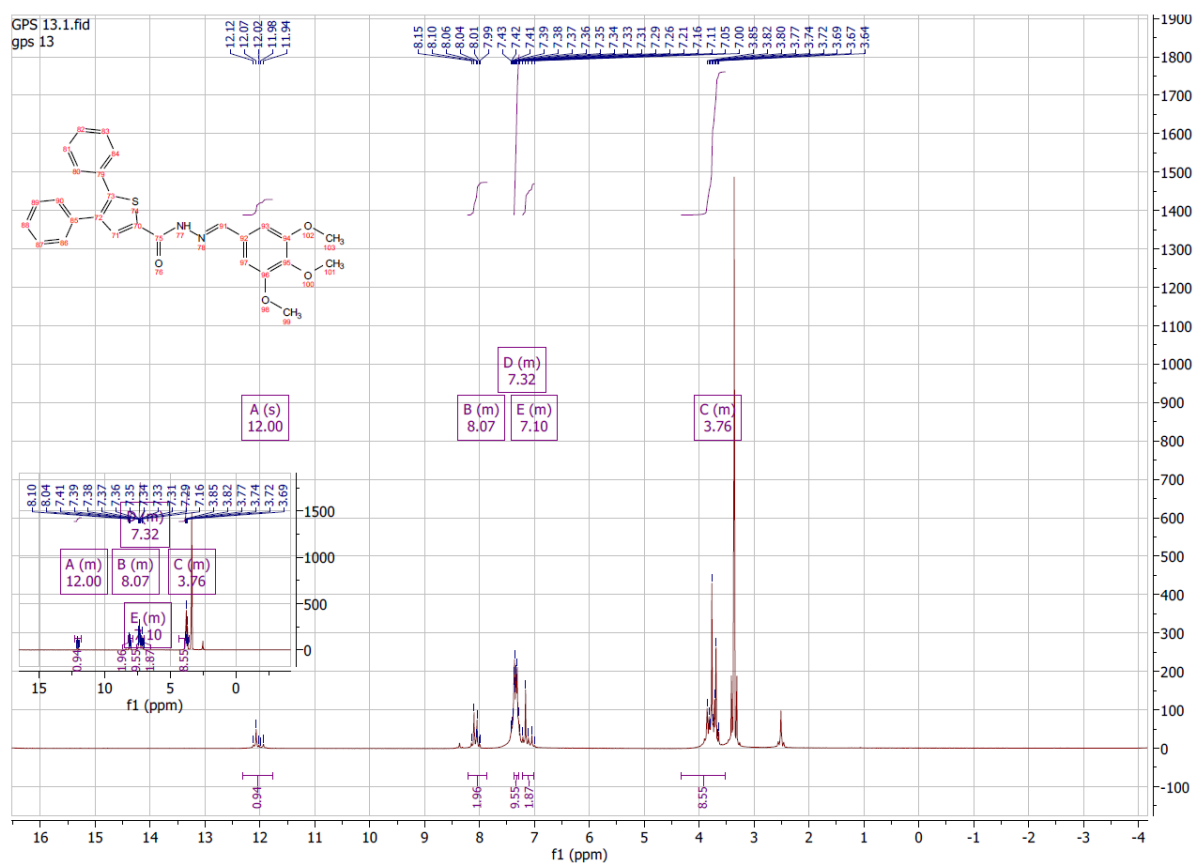


Figure S.17. ^1H -NMR spectrum of compound 7i

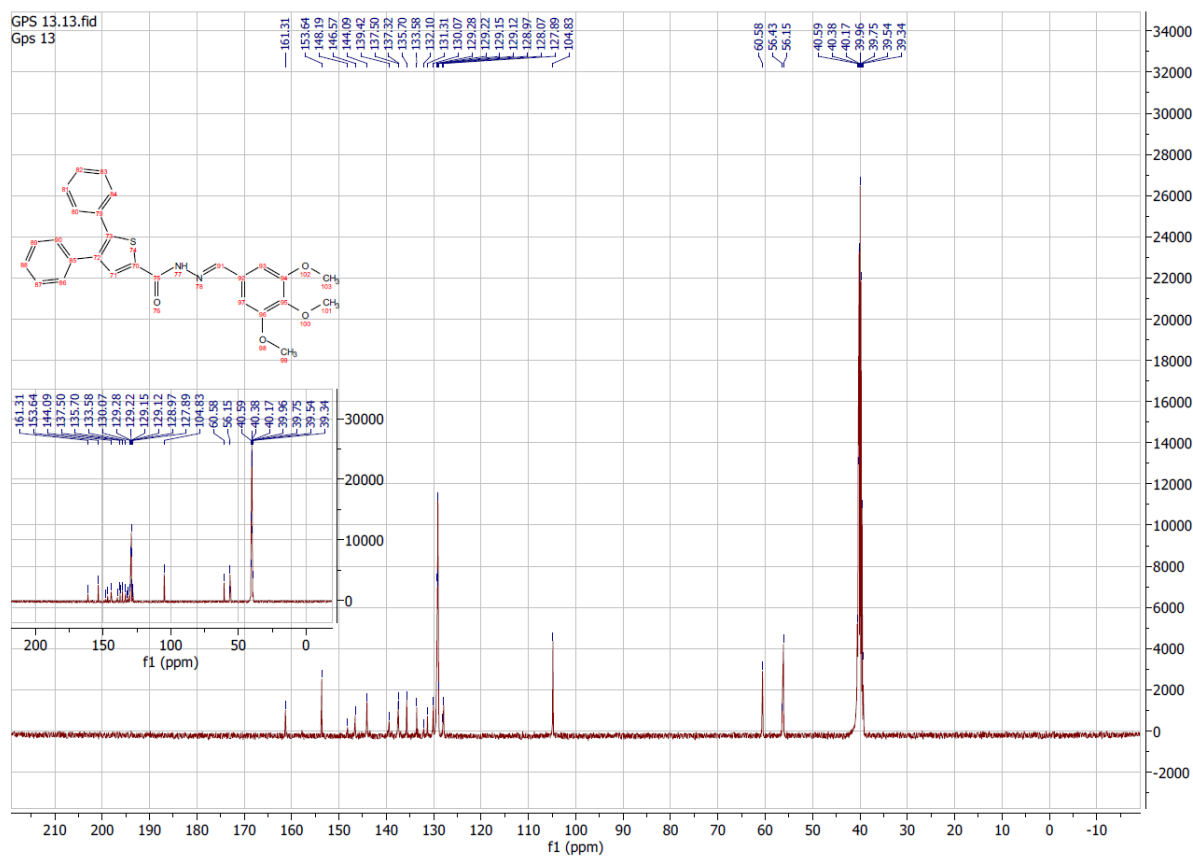


Figure S.18. ^{13}C -NMR spectrum of compound 7i

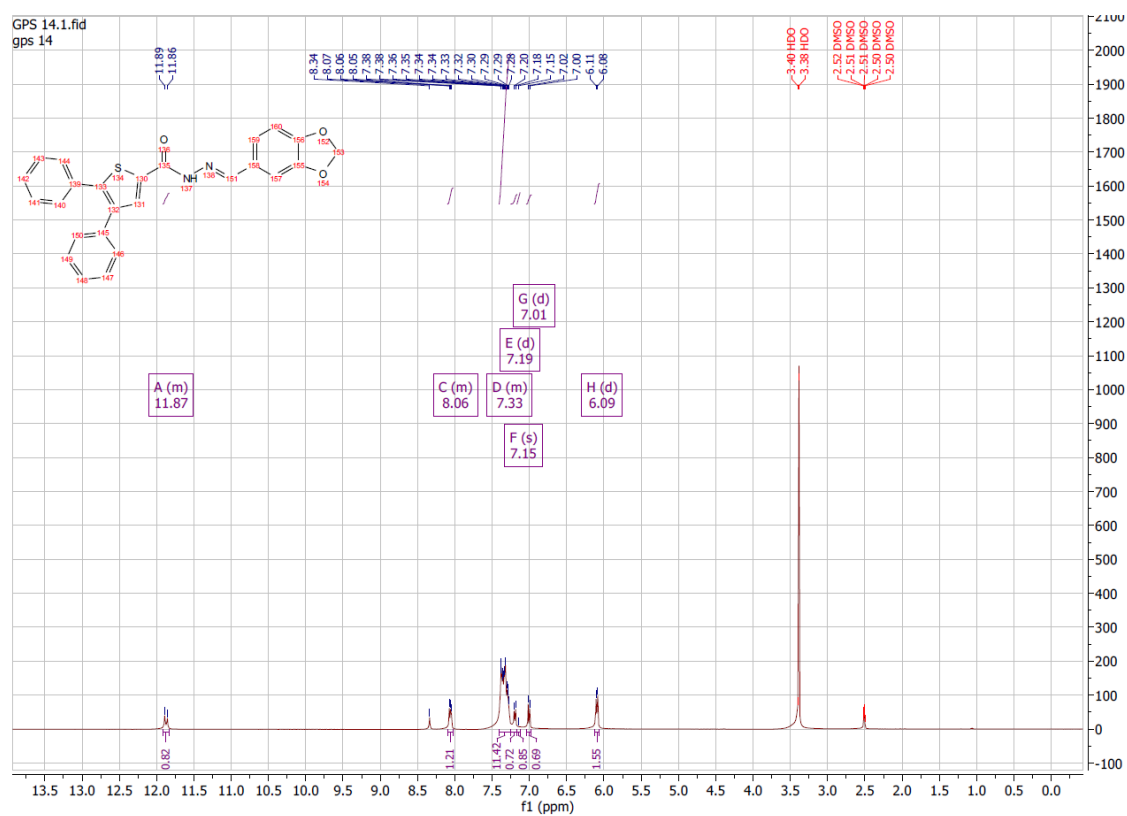


Figure S.19. ^1H -NMR spectrum of compound 7j

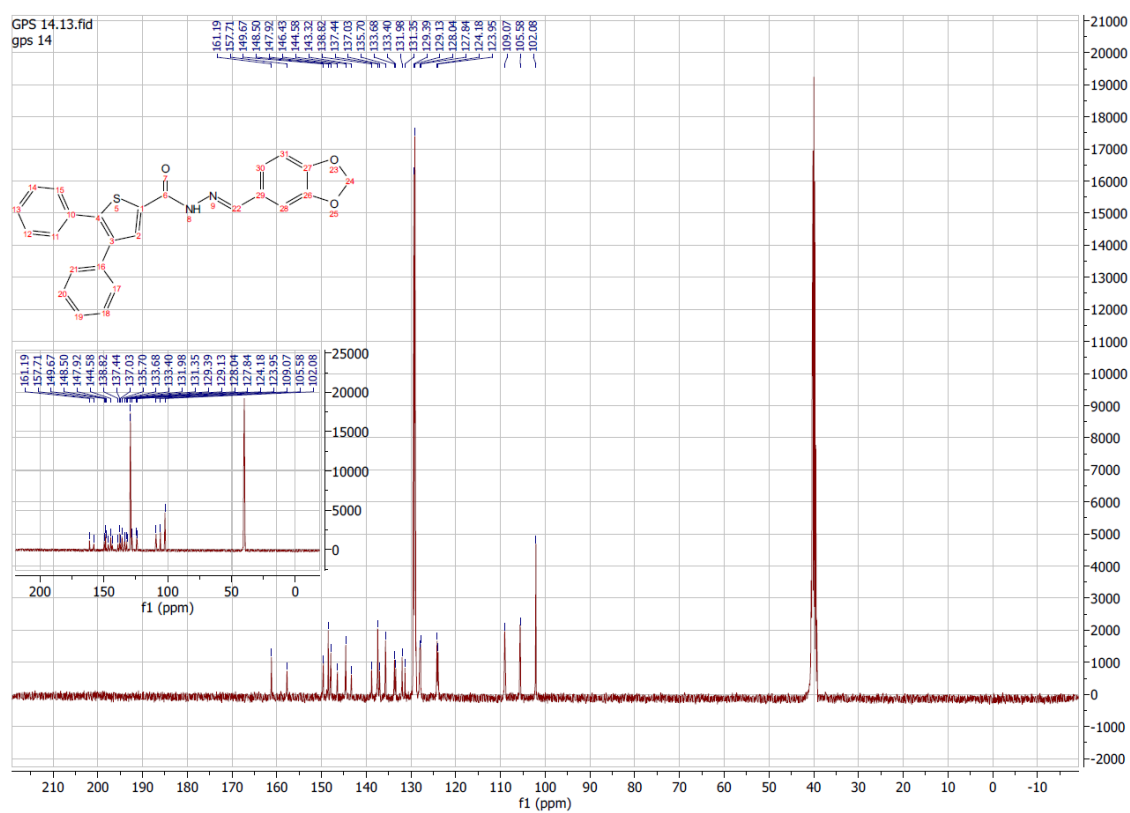


Figure S.20. ^{13}C -NMR spectrum of compound 7j

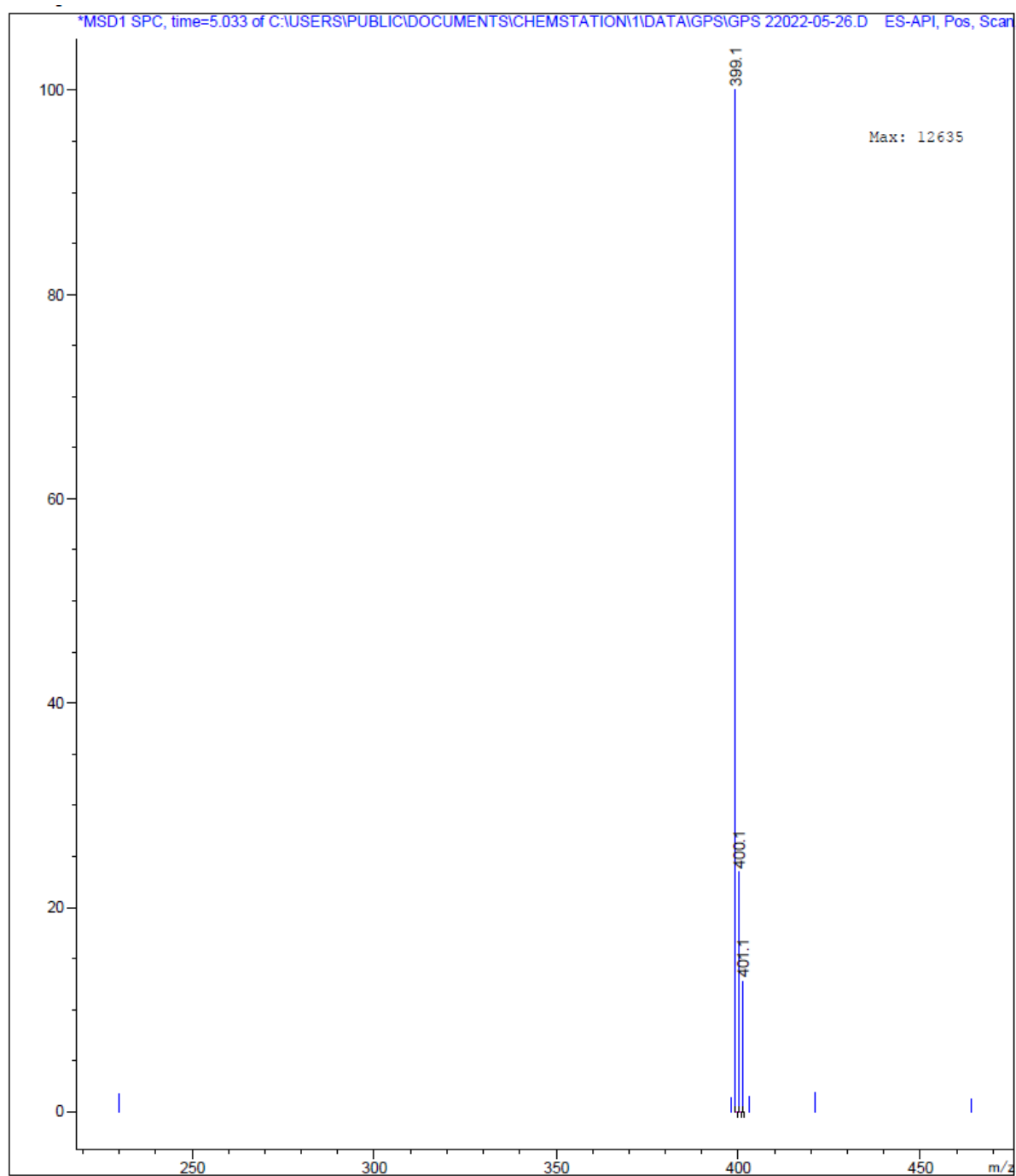


Figure S.21. LC-MS spectrum of compound 7a

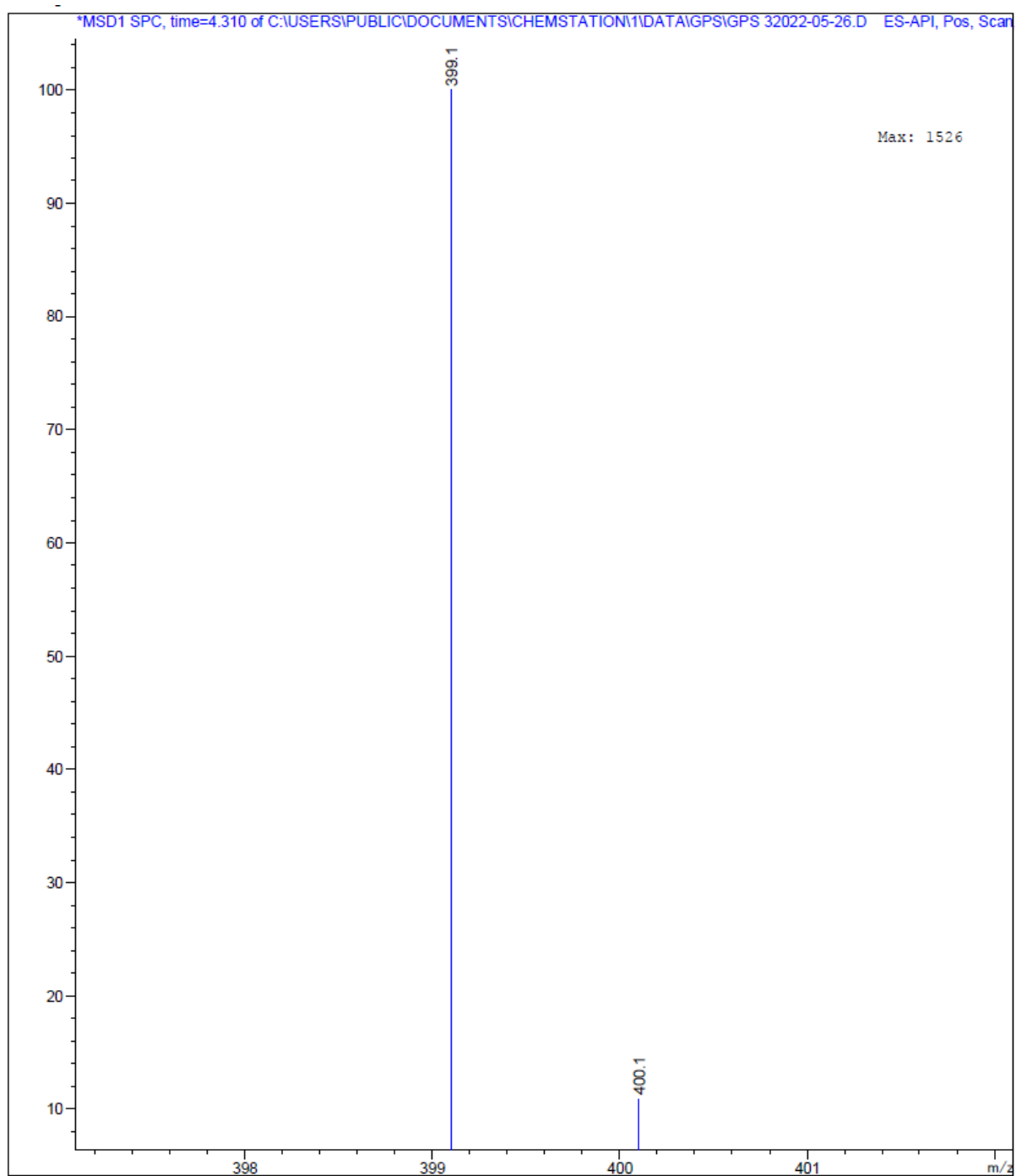


Figure S.22. LC-MS spectrum of compound 7b

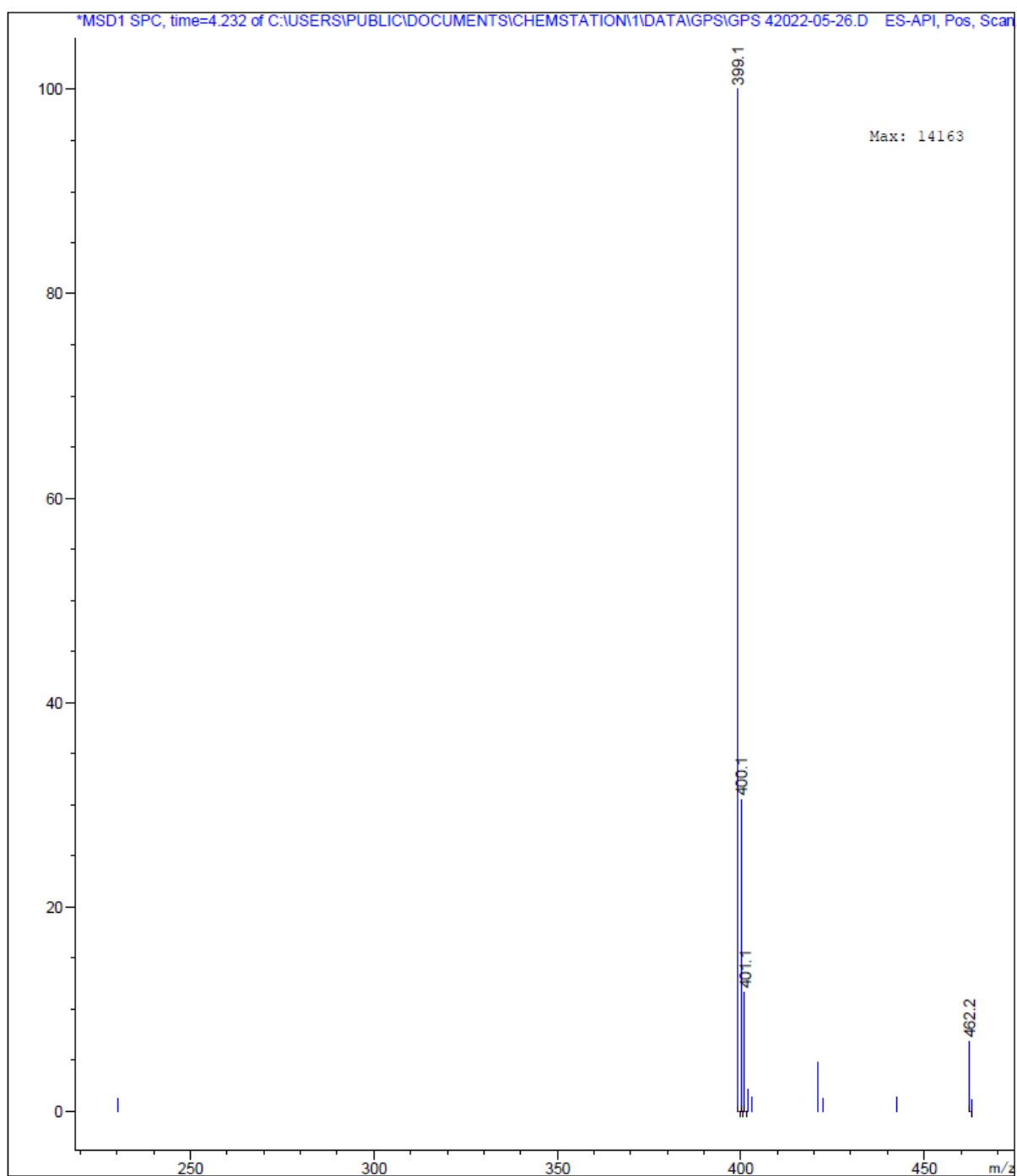


Figure S.23. LC-MS spectrum of compound 7c

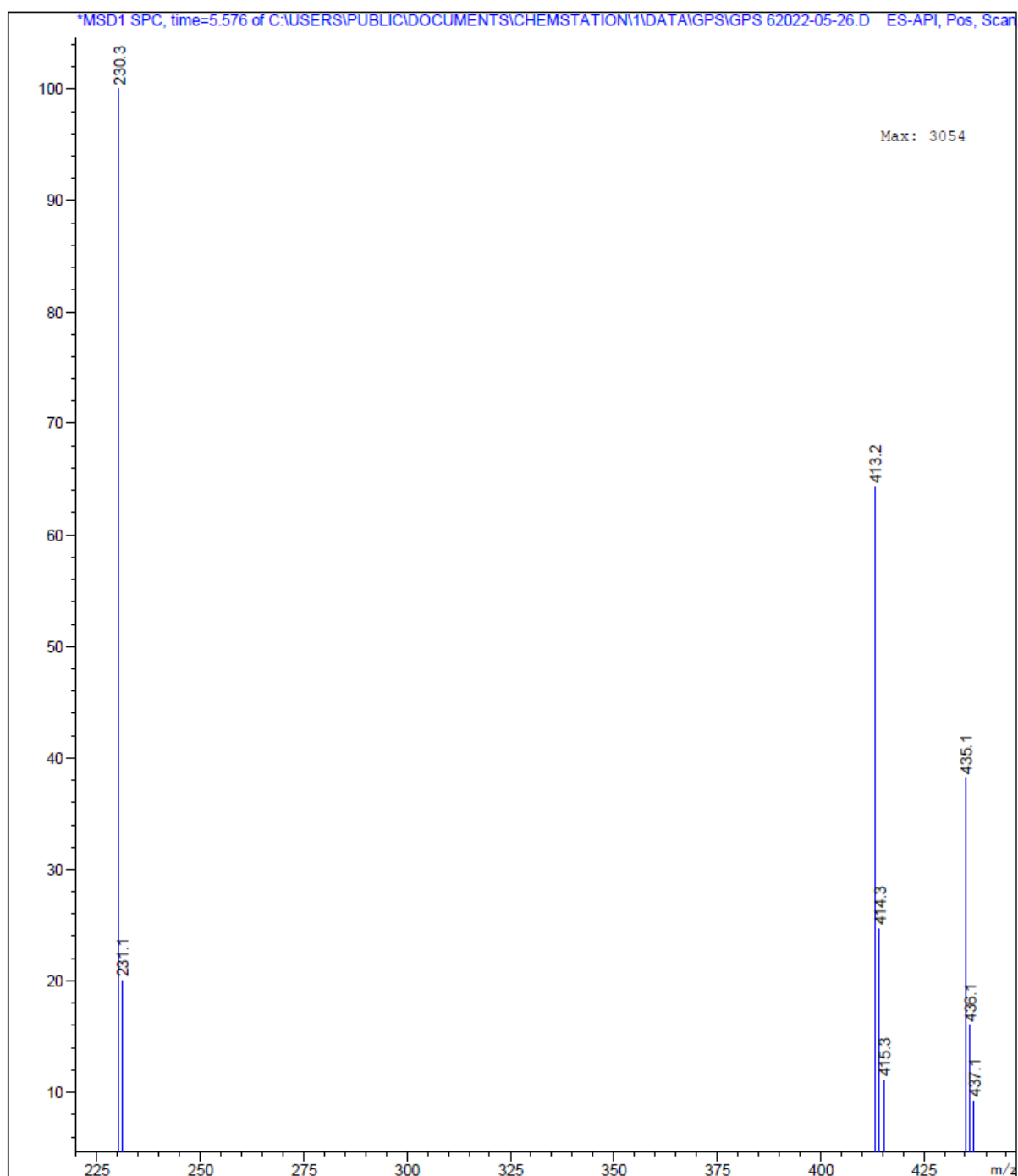


Figure S.24. LC-MS spectrum of compound 7d

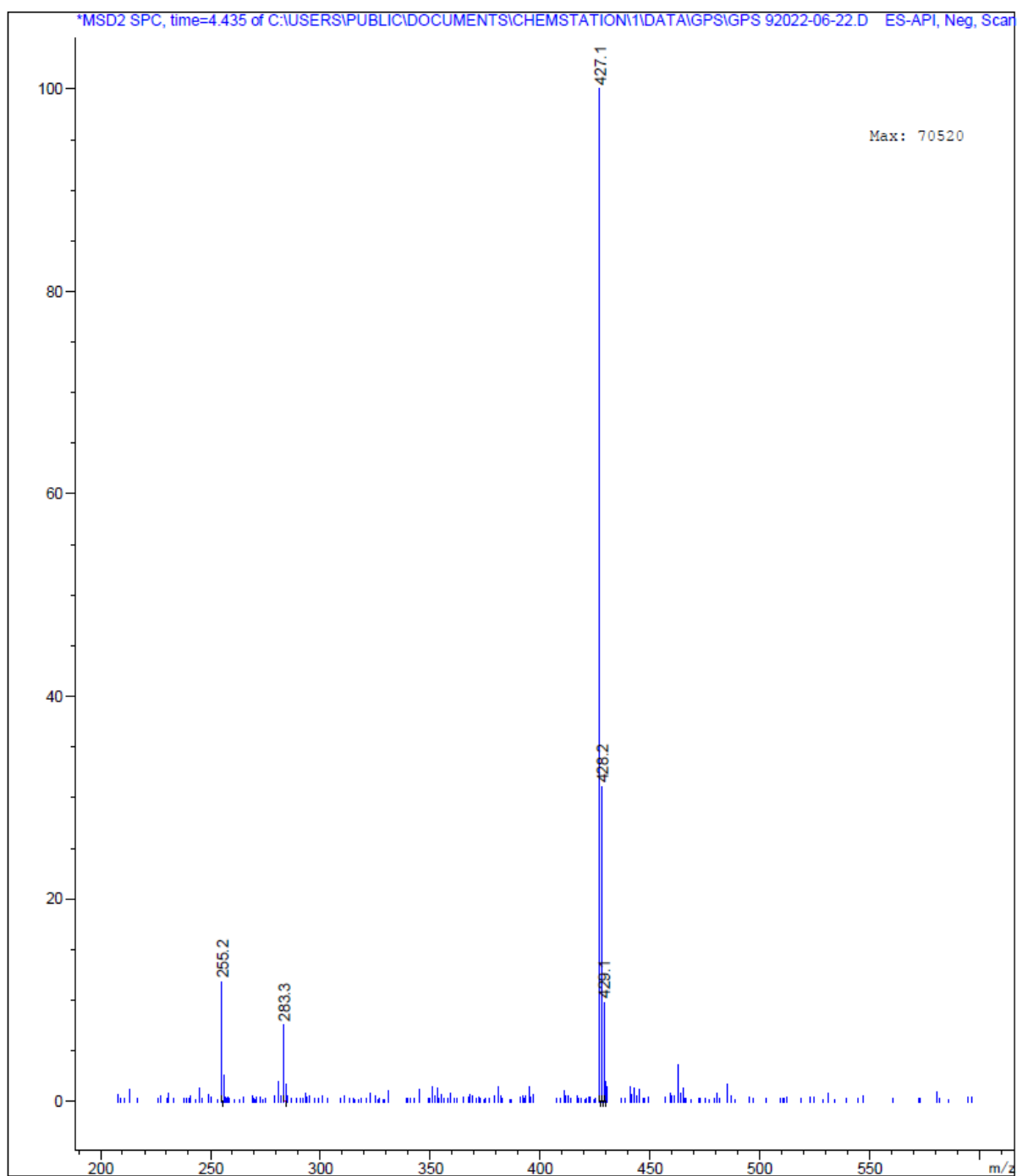


Figure S.25. LC-MS spectrum of compound 7e

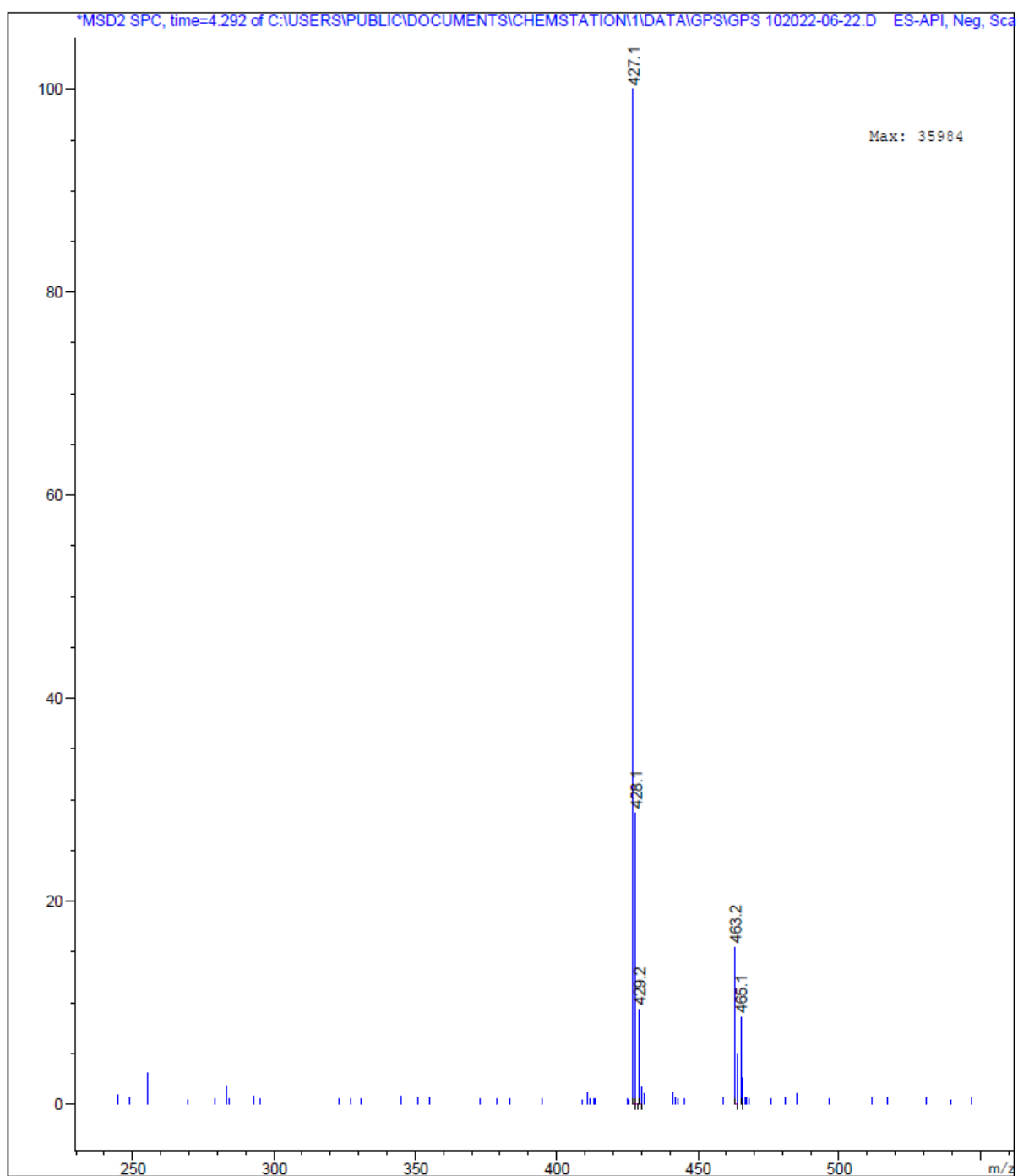


Figure S.26. LC-MS spectrum of compound 7f

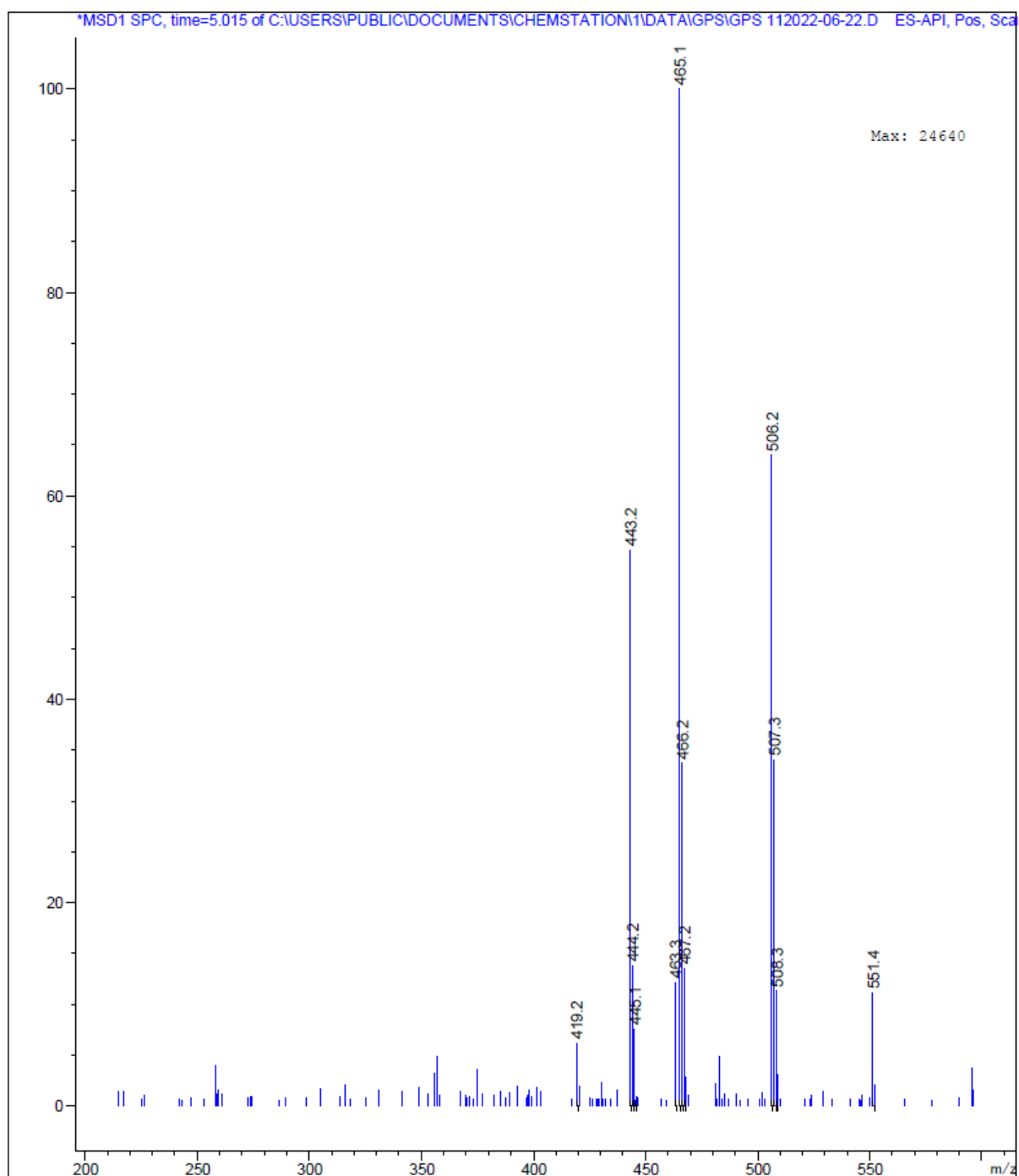


Figure S.27. LC-MS spectrum of compound 7g

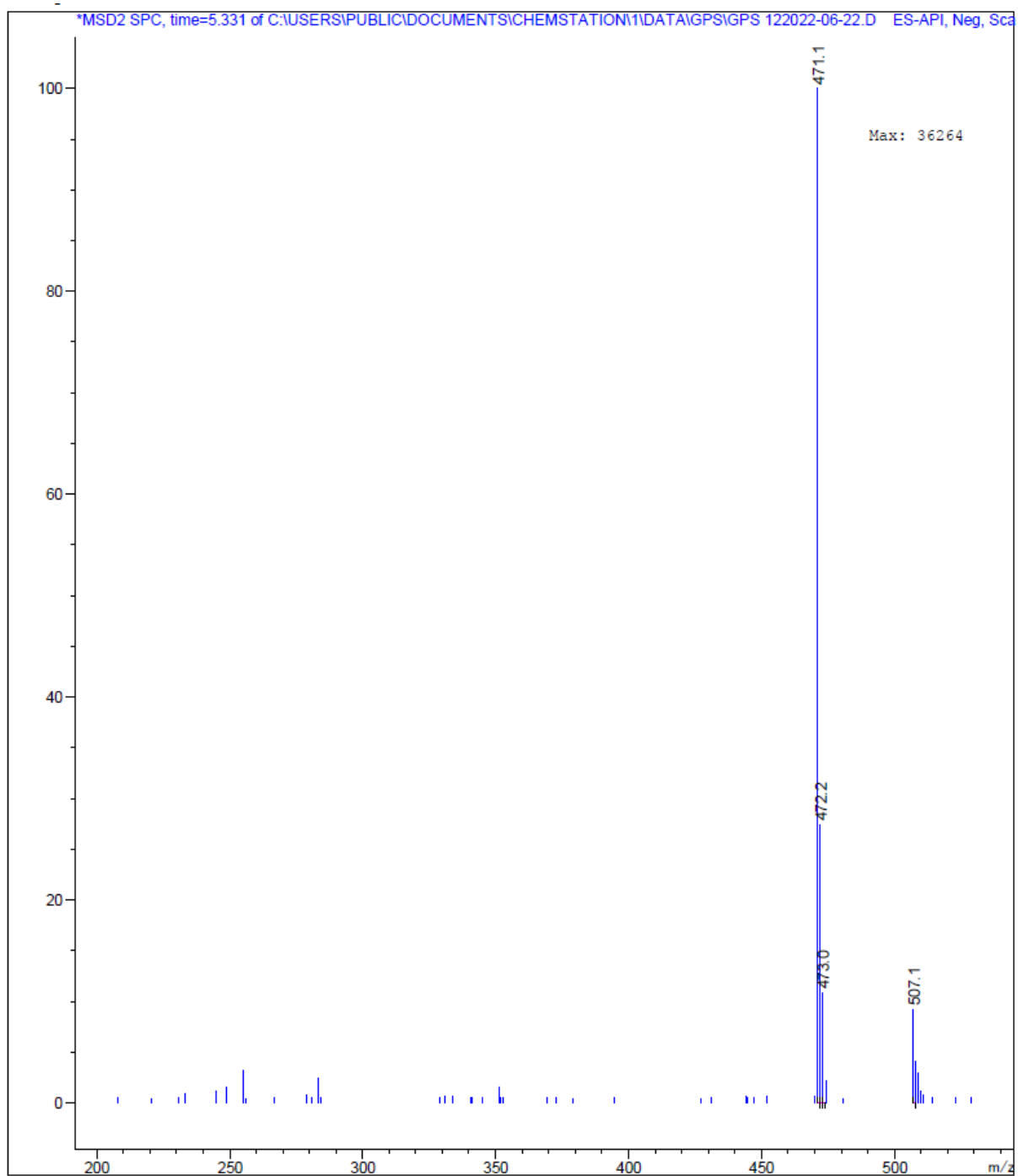


Figure S.28. LC-MS spectrum of compound 7h

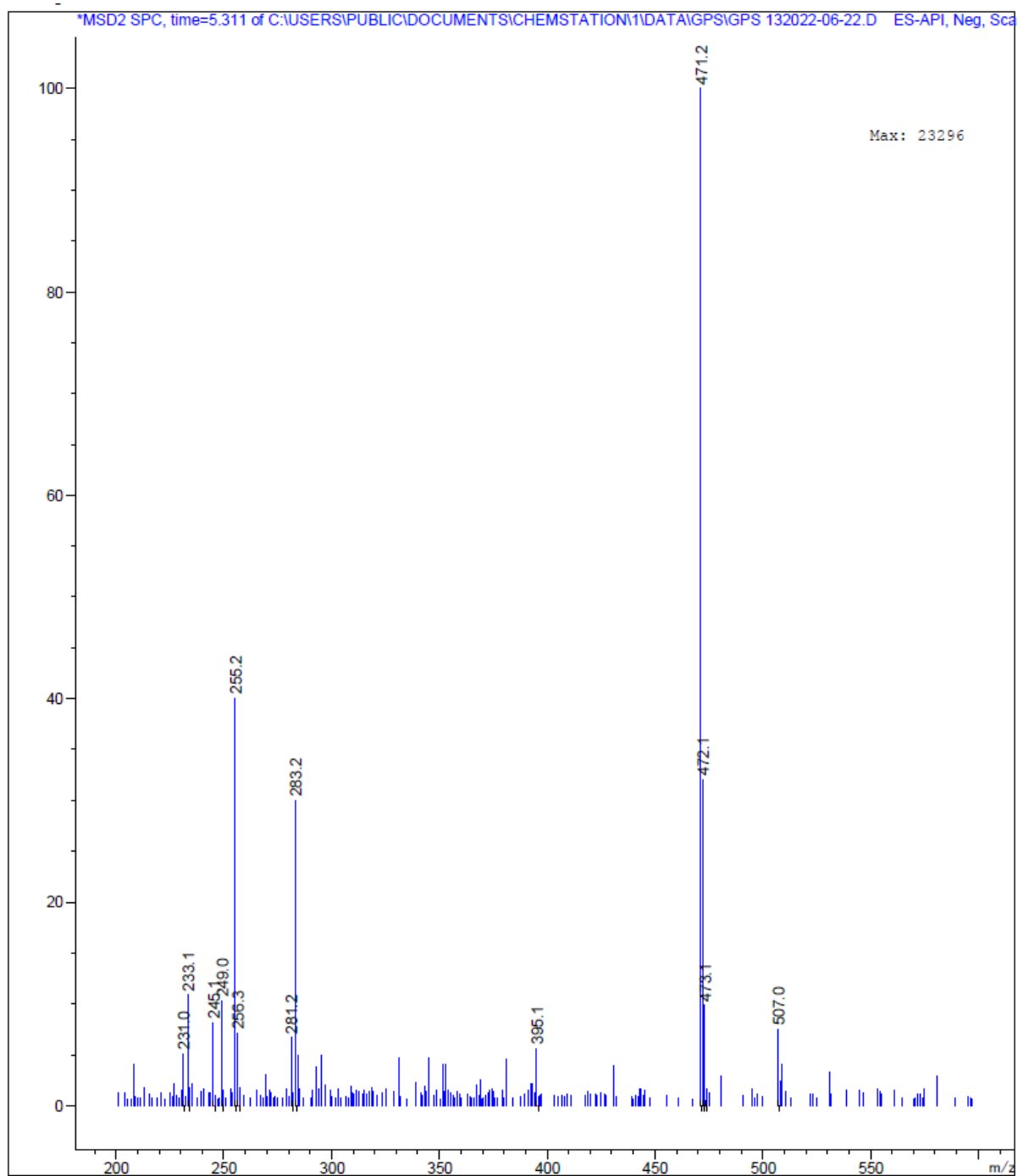


Figure S.29. LC-MS spectrum of compound 7i

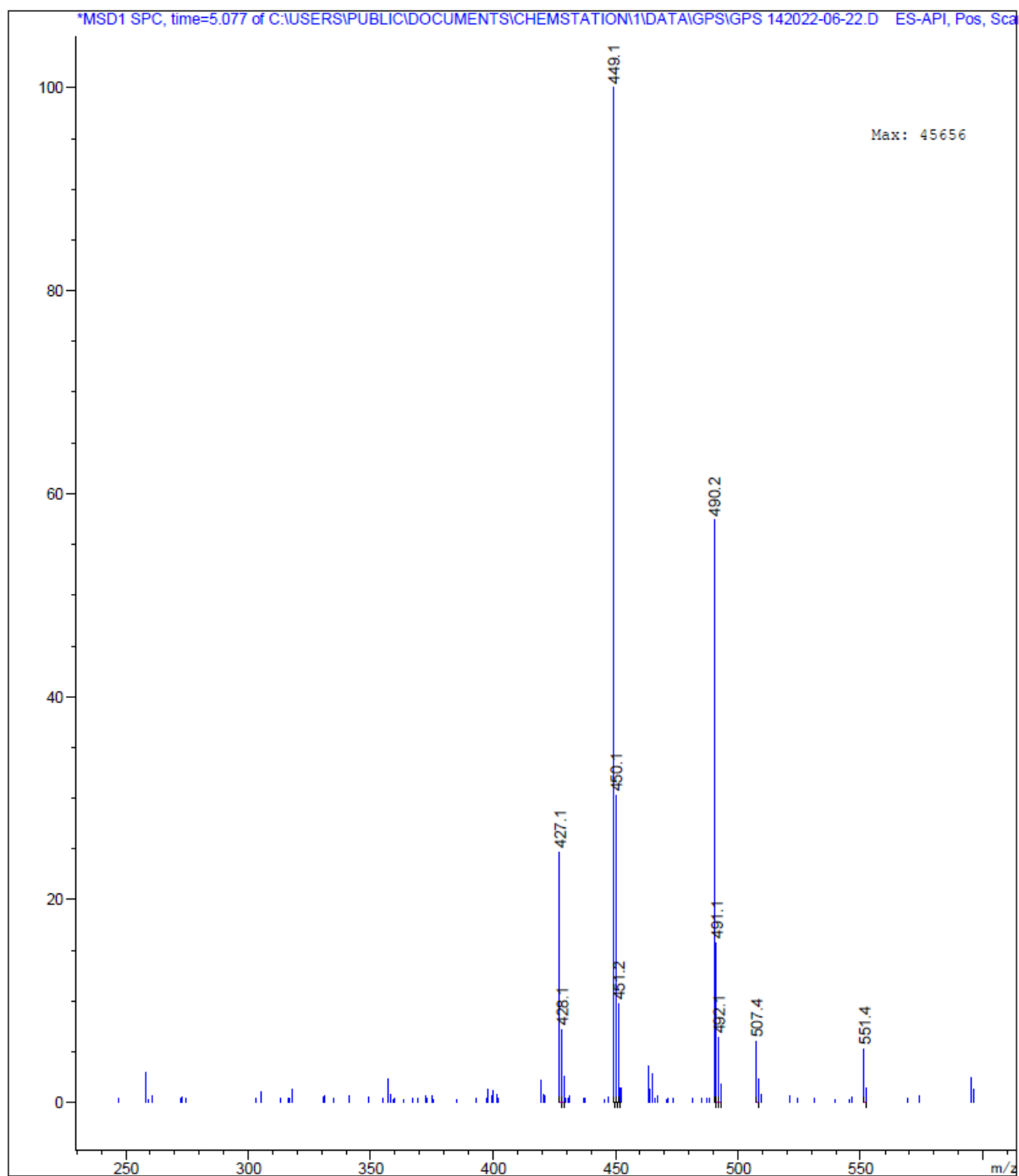


Figure S.30. LC-MS spectrum of compound 7j