

Synthesis and Antiviral Properties of Camphor-Derived Iminothiazolidine-4-Ones and 2,3-Dihydrothiazoles

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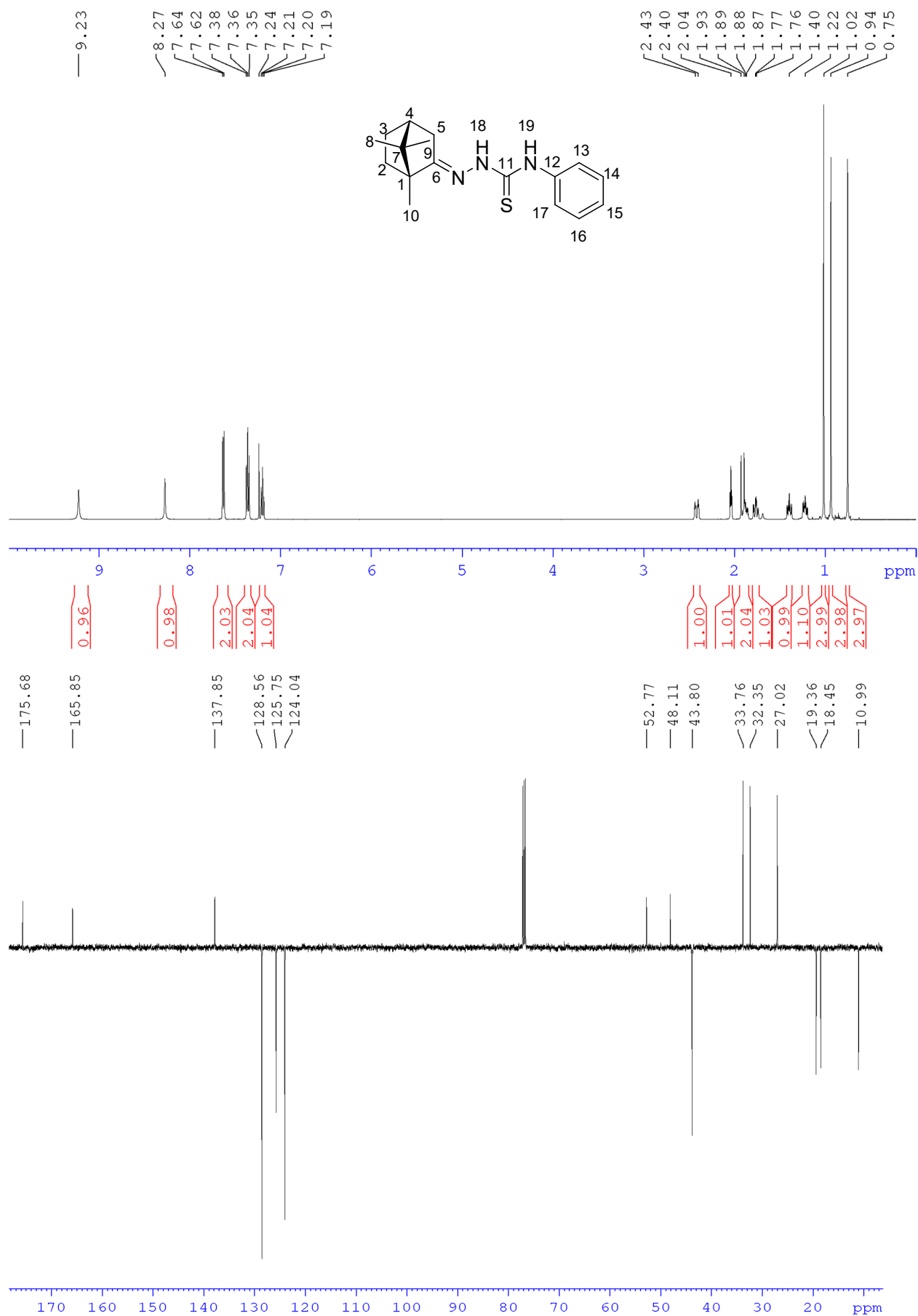
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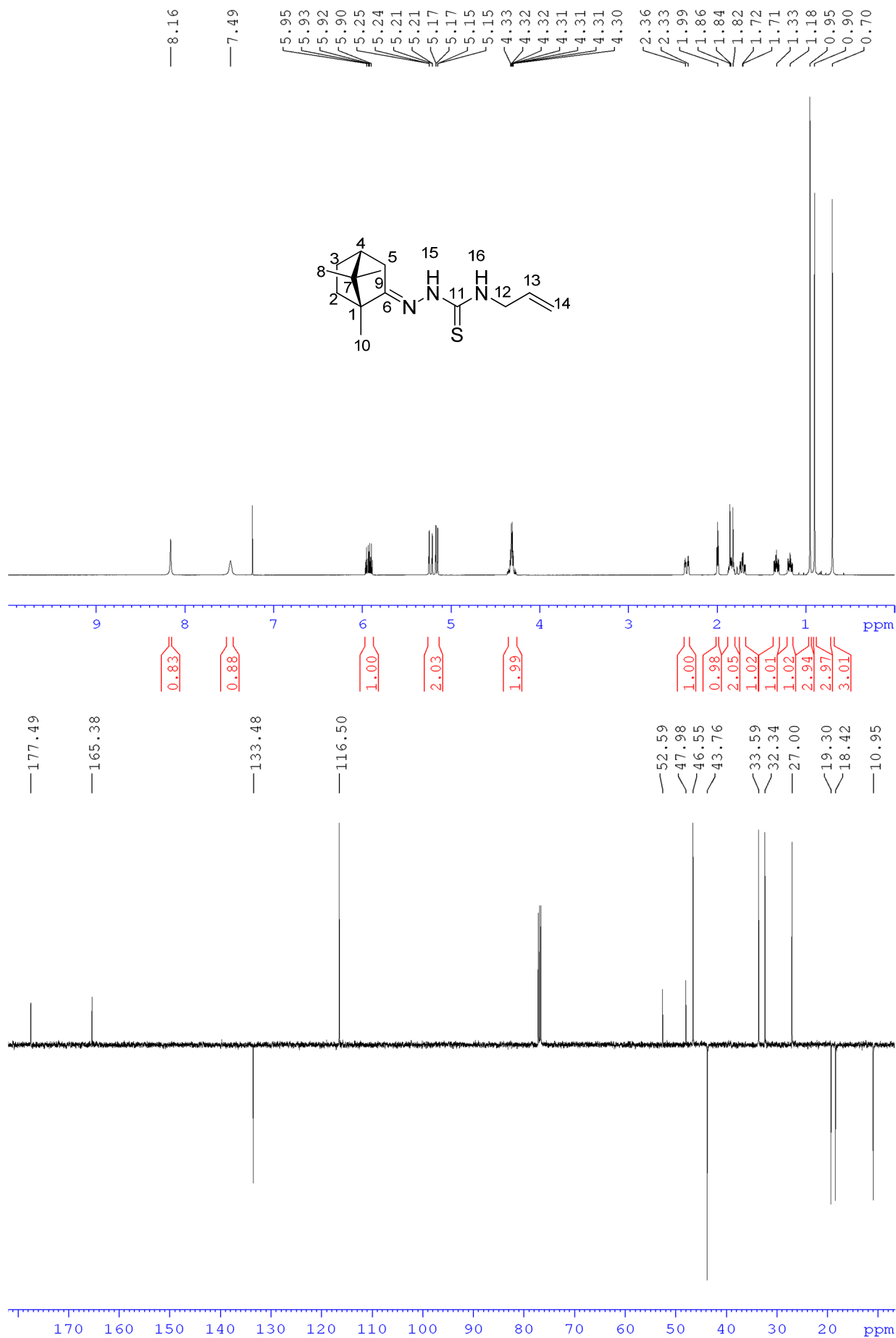
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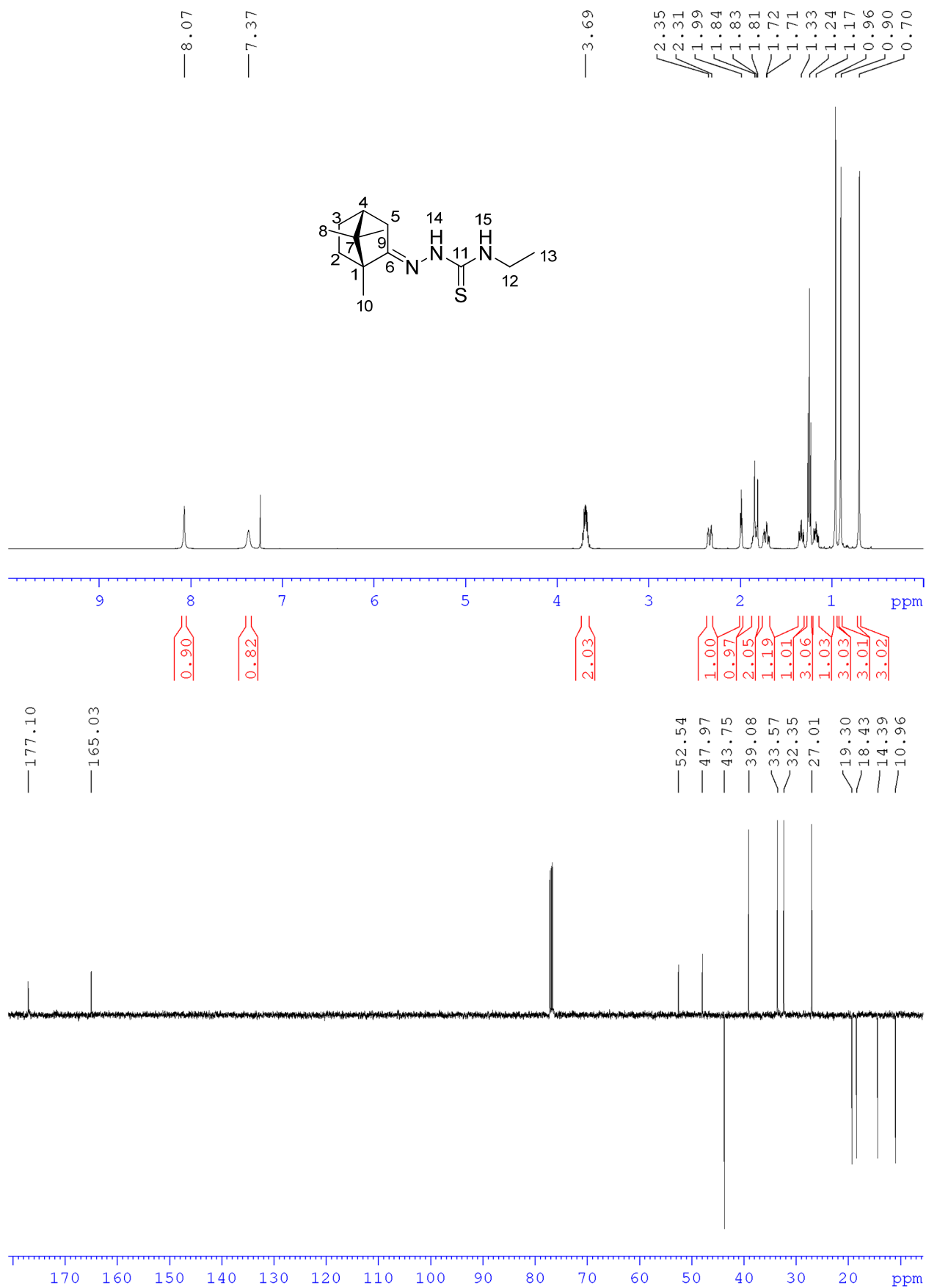
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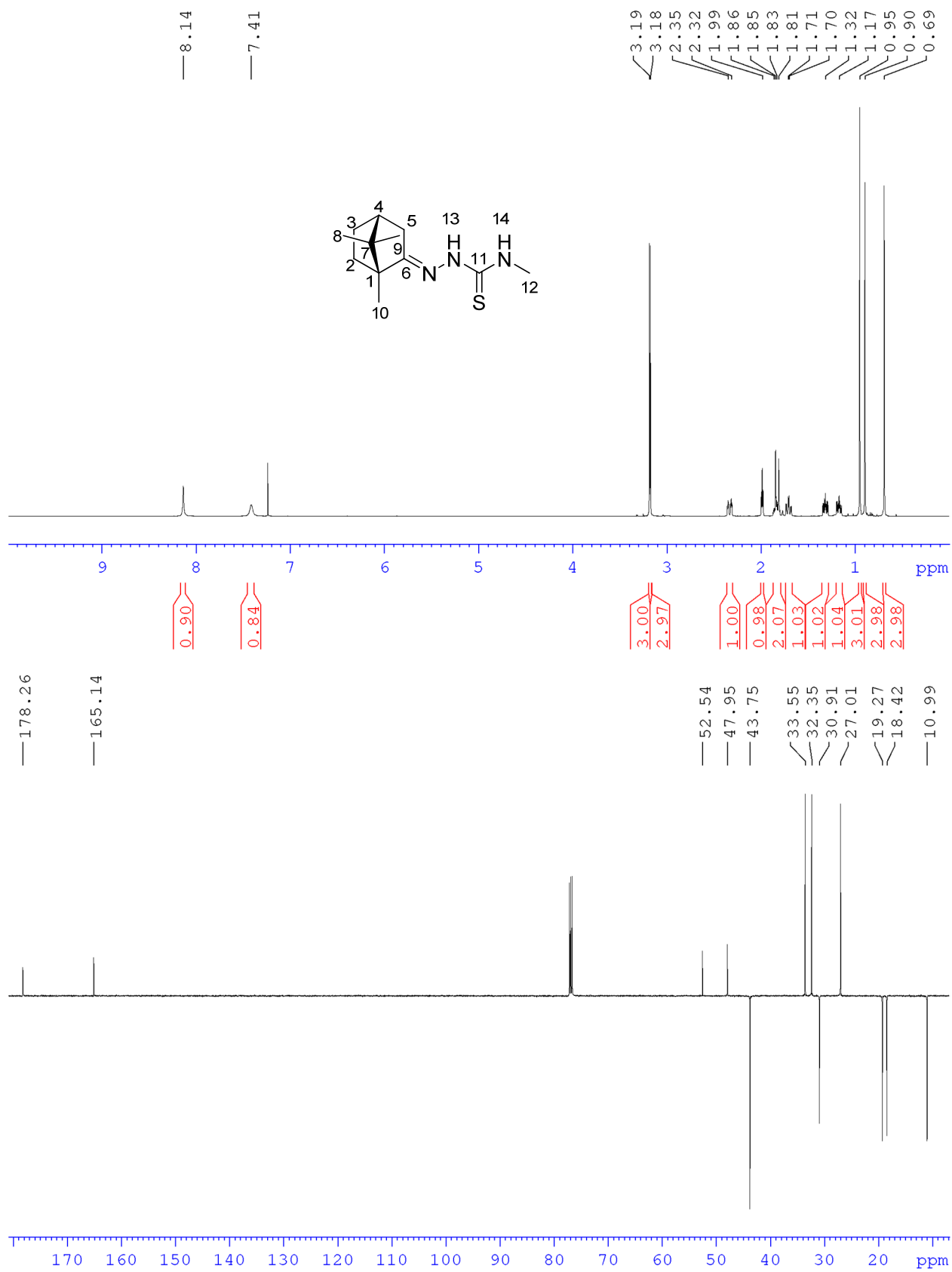
1. ^1H NMR and ^{13}C NMR spectra of compounds 2a-8d

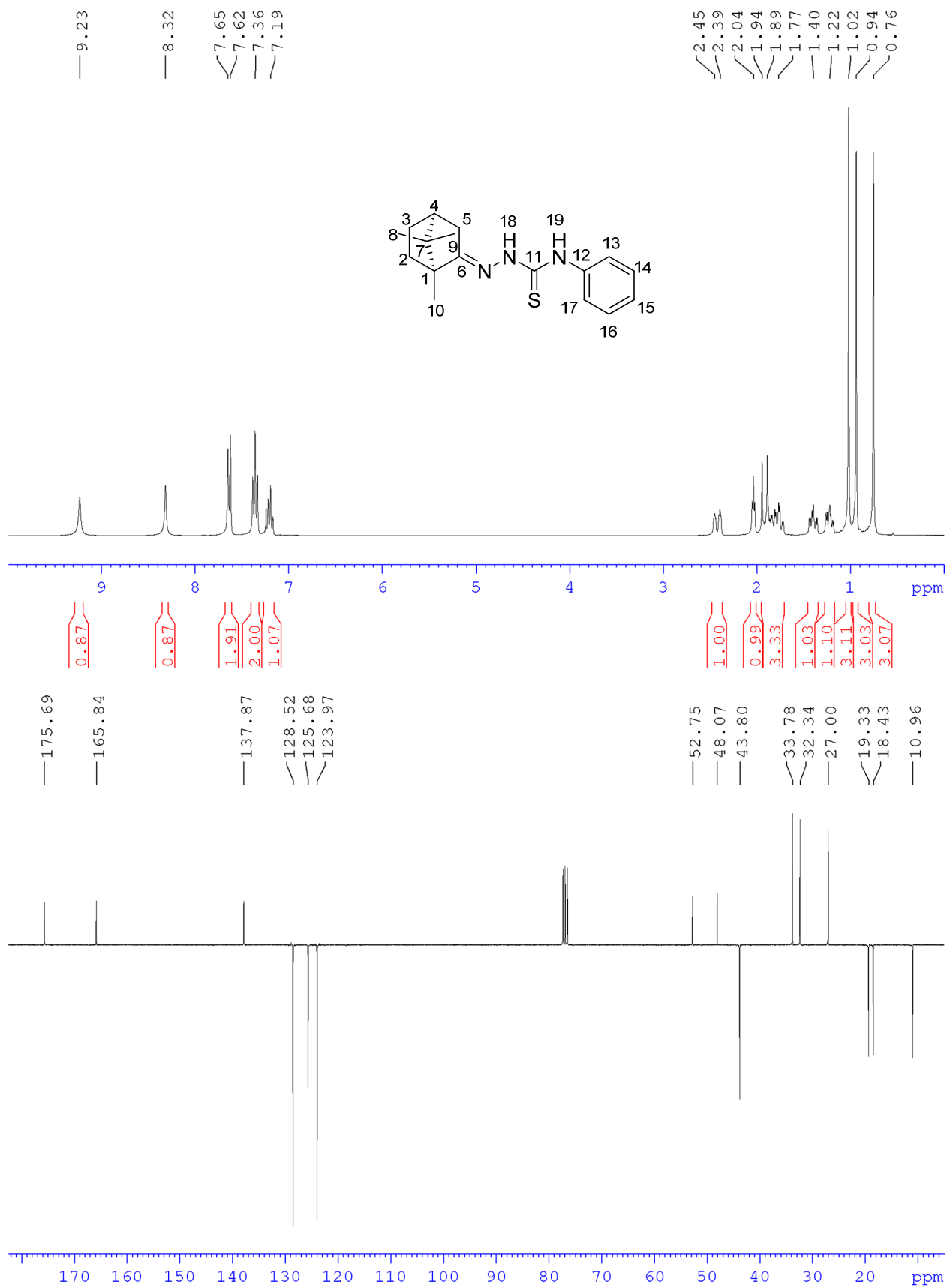
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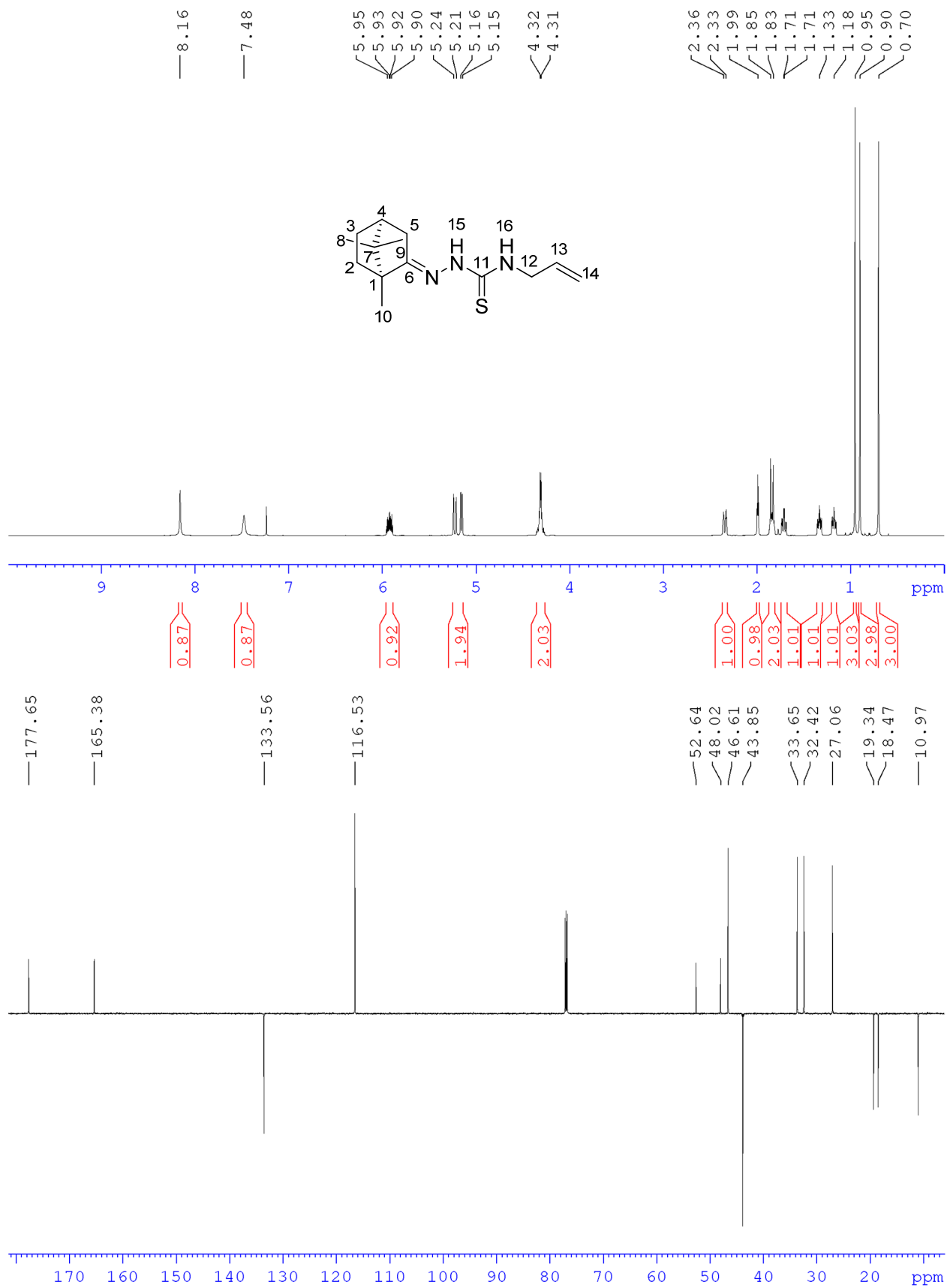


1.2. ^1H NMR and ^{13}C NMR spectra of compound 2b

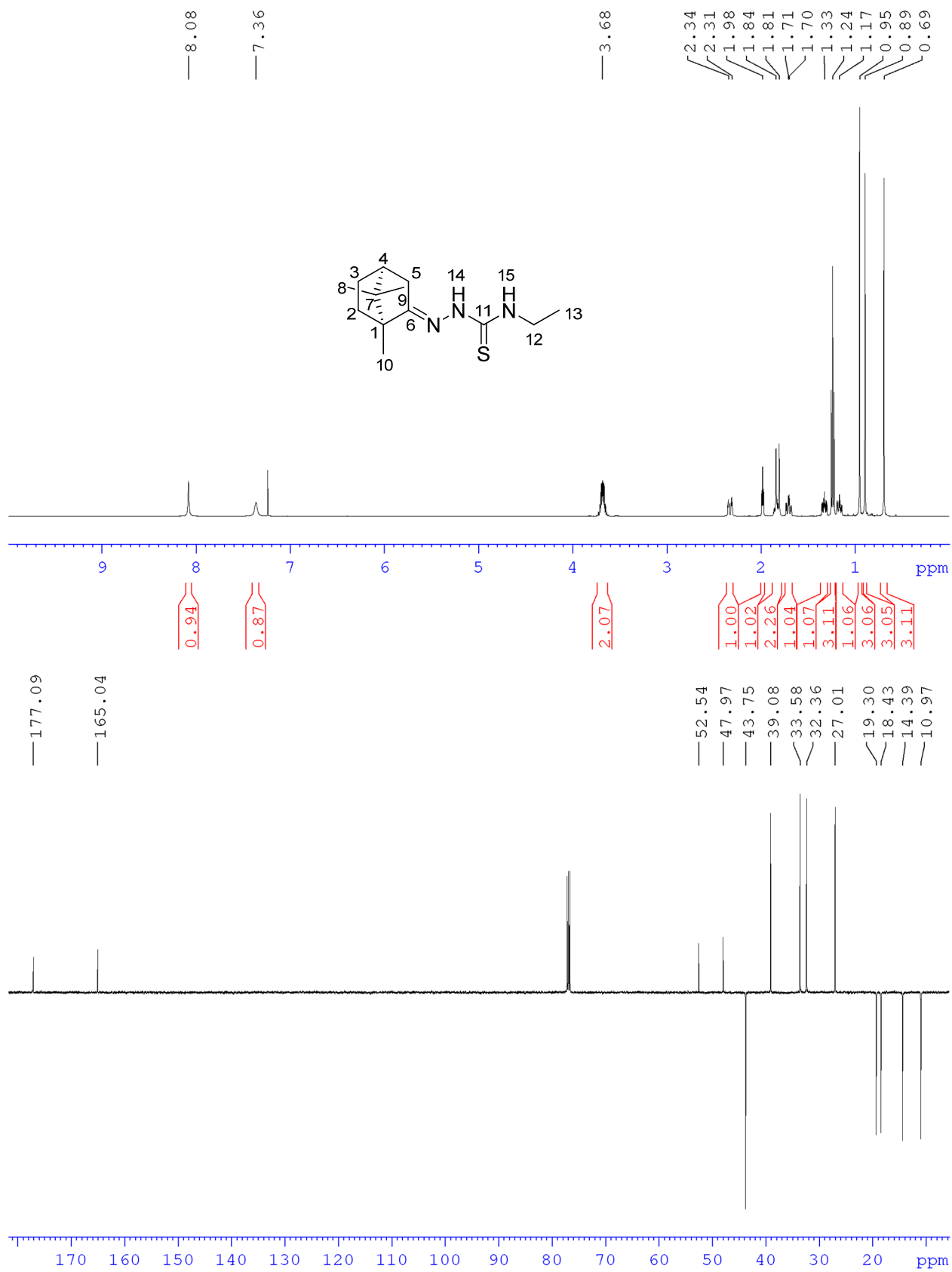
1.3. ^1H NMR and ^{13}C NMR spectra of compound 2c

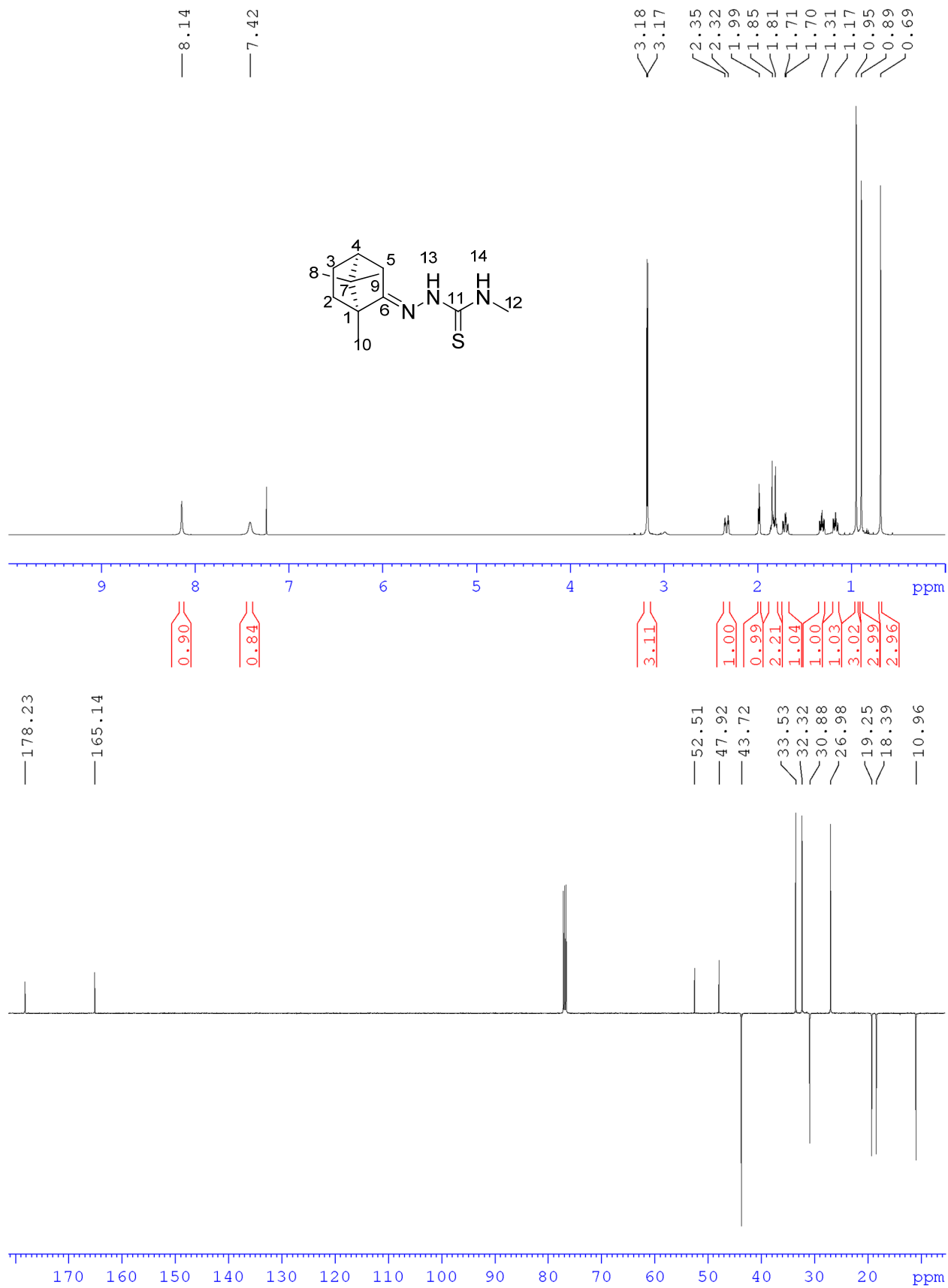
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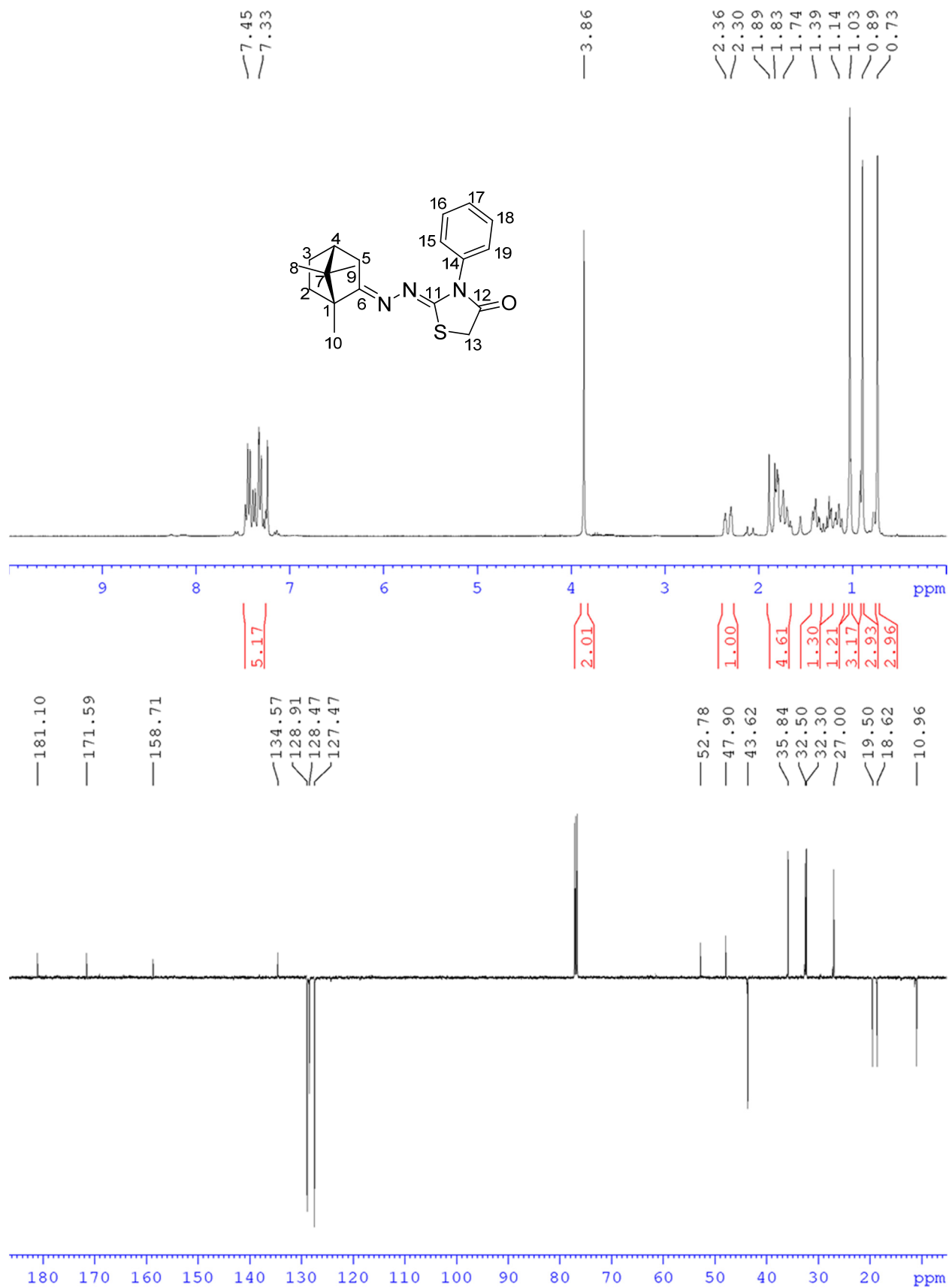
1.5. ^1H NMR and ^{13}C NMR spectra of compound 2'a

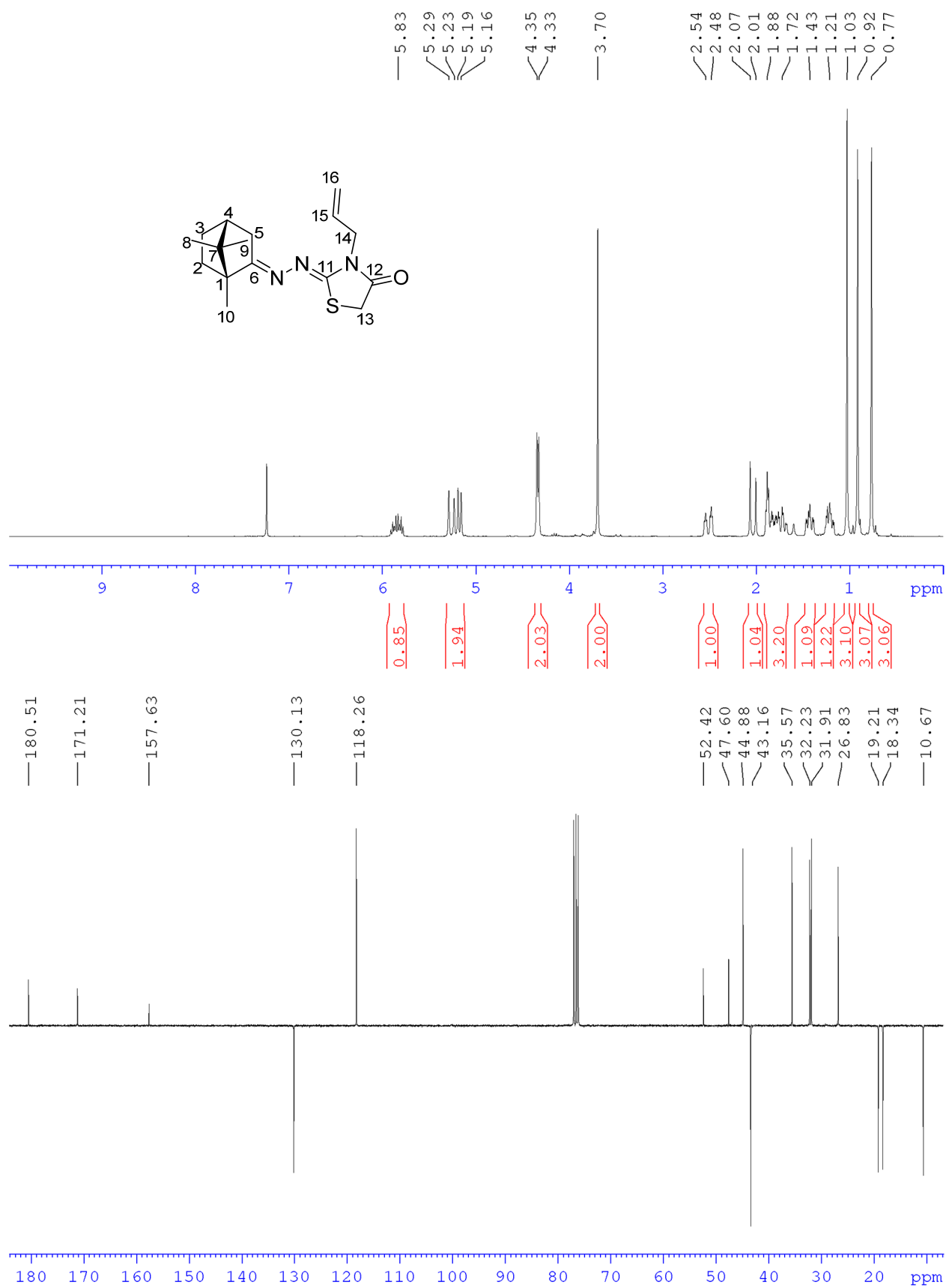
1.6. ^1H NMR and ^{13}C NMR spectra of compound 2'b

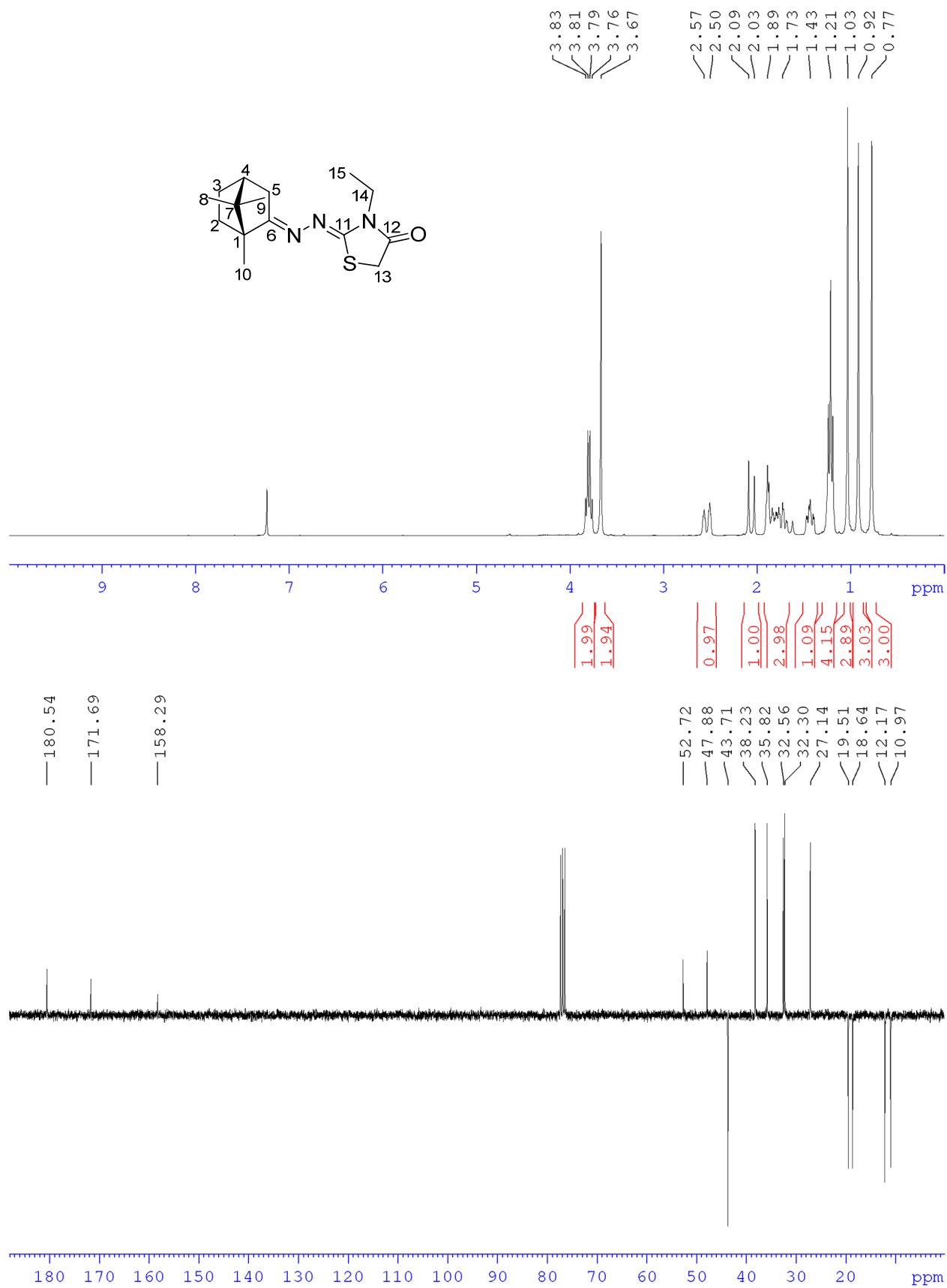
1.7. ¹H NMR and ¹³C NMR spectra of compound 2'c

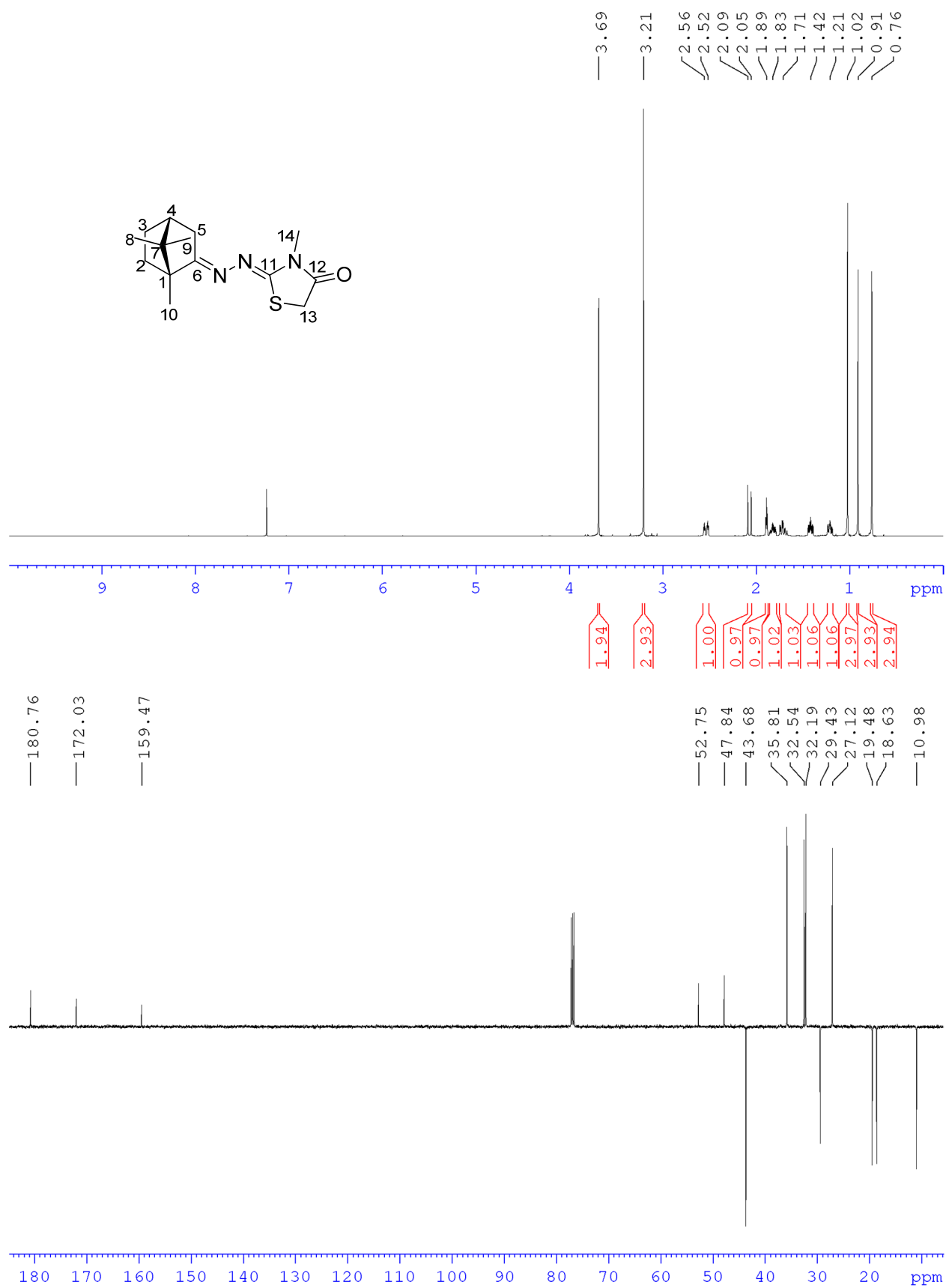


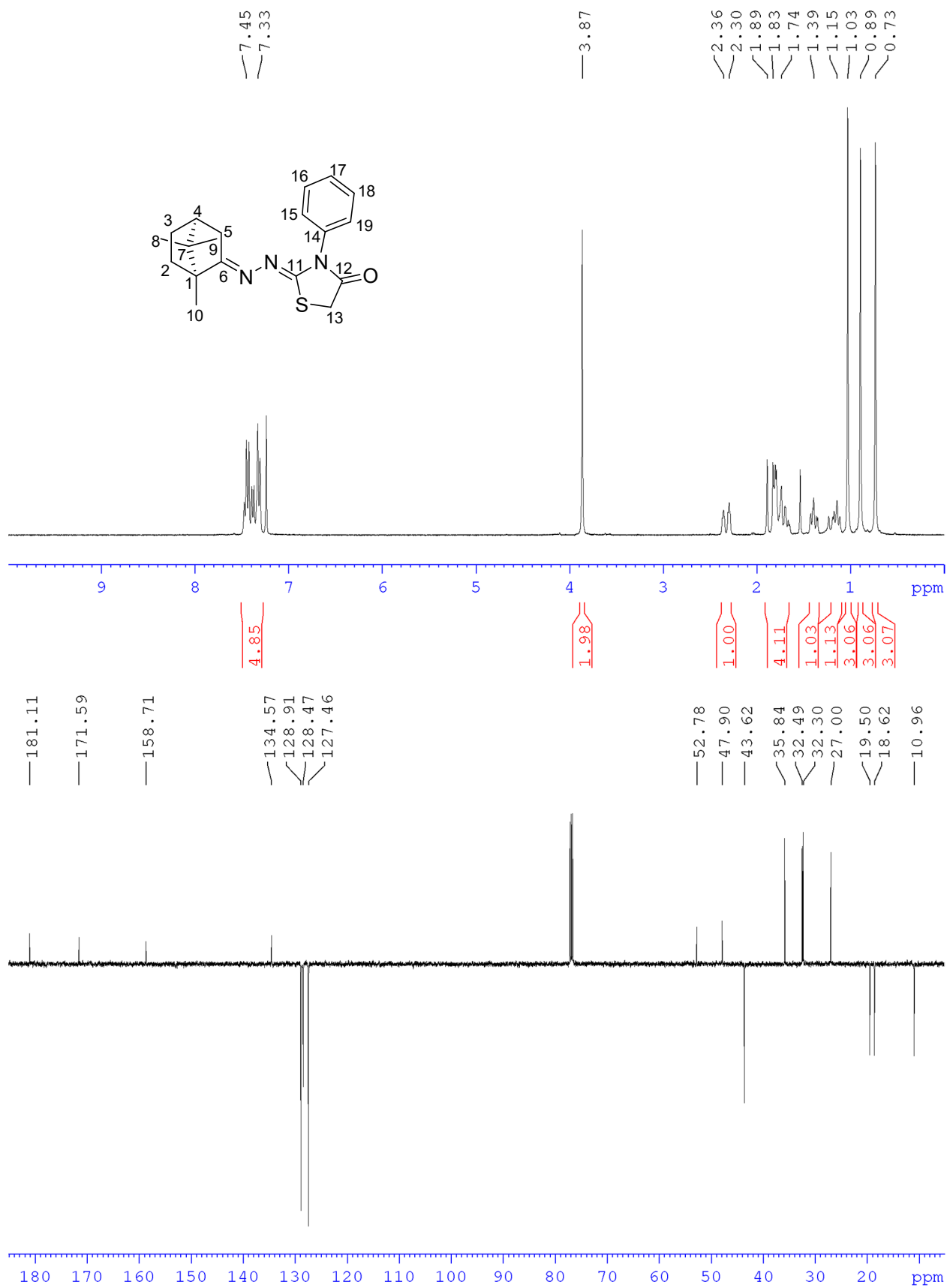
1.8. ^1H NMR and ^{13}C NMR spectra of compound 2'd

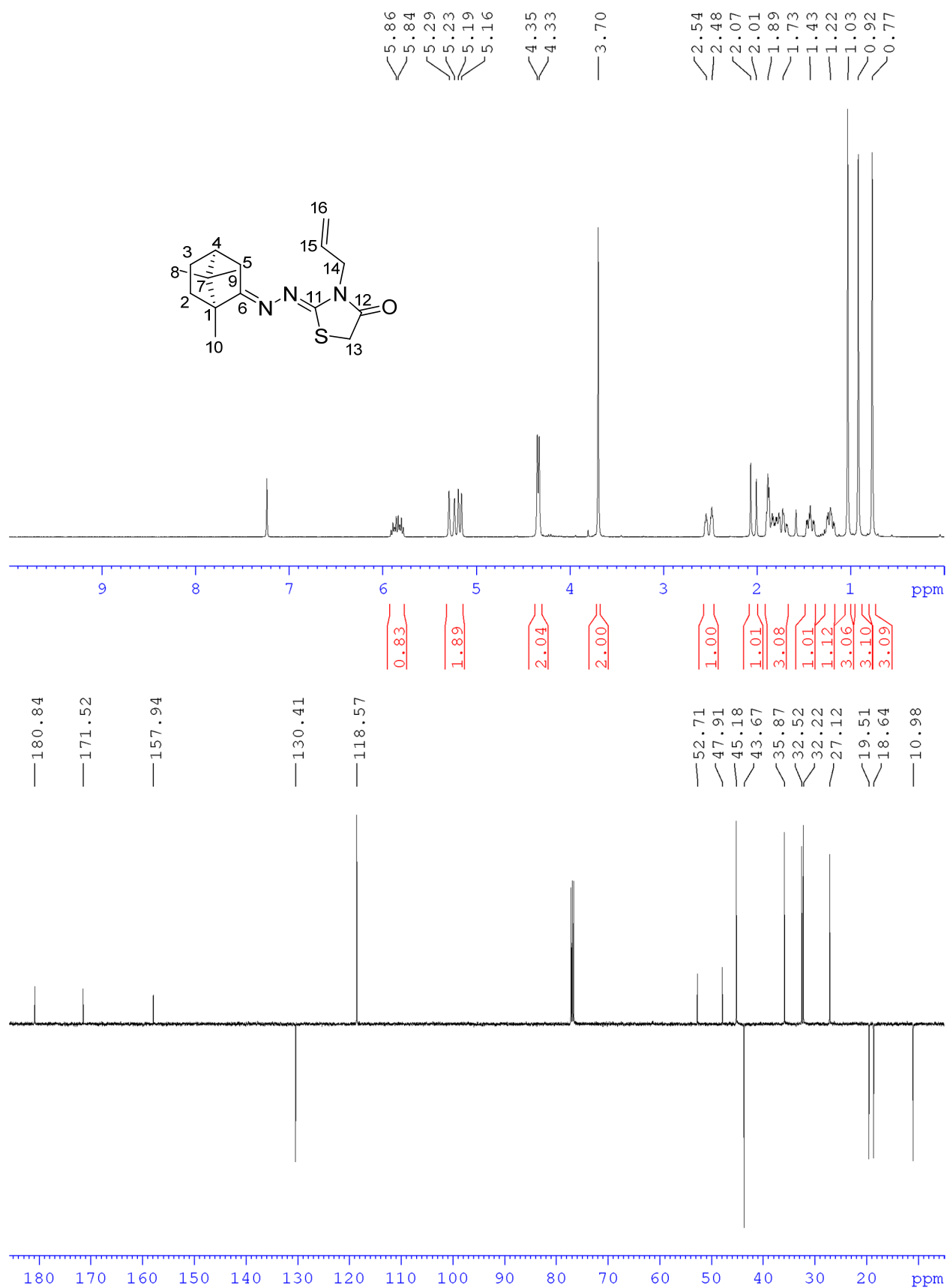
1.9. ^1H NMR and ^{13}C NMR spectra of compound 3a

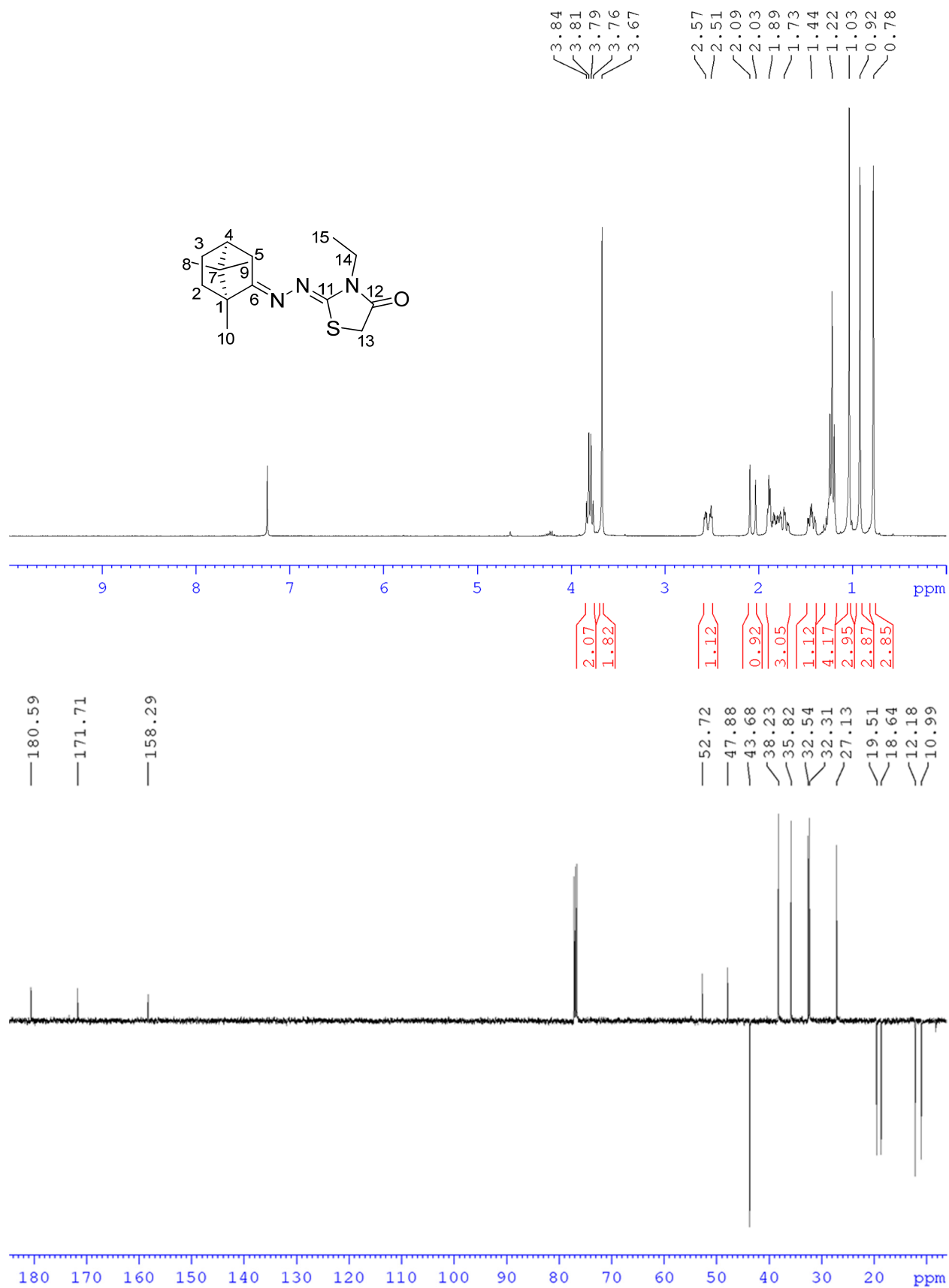
1.10. ^1H NMR and ^{13}C NMR spectra of compound **3b**

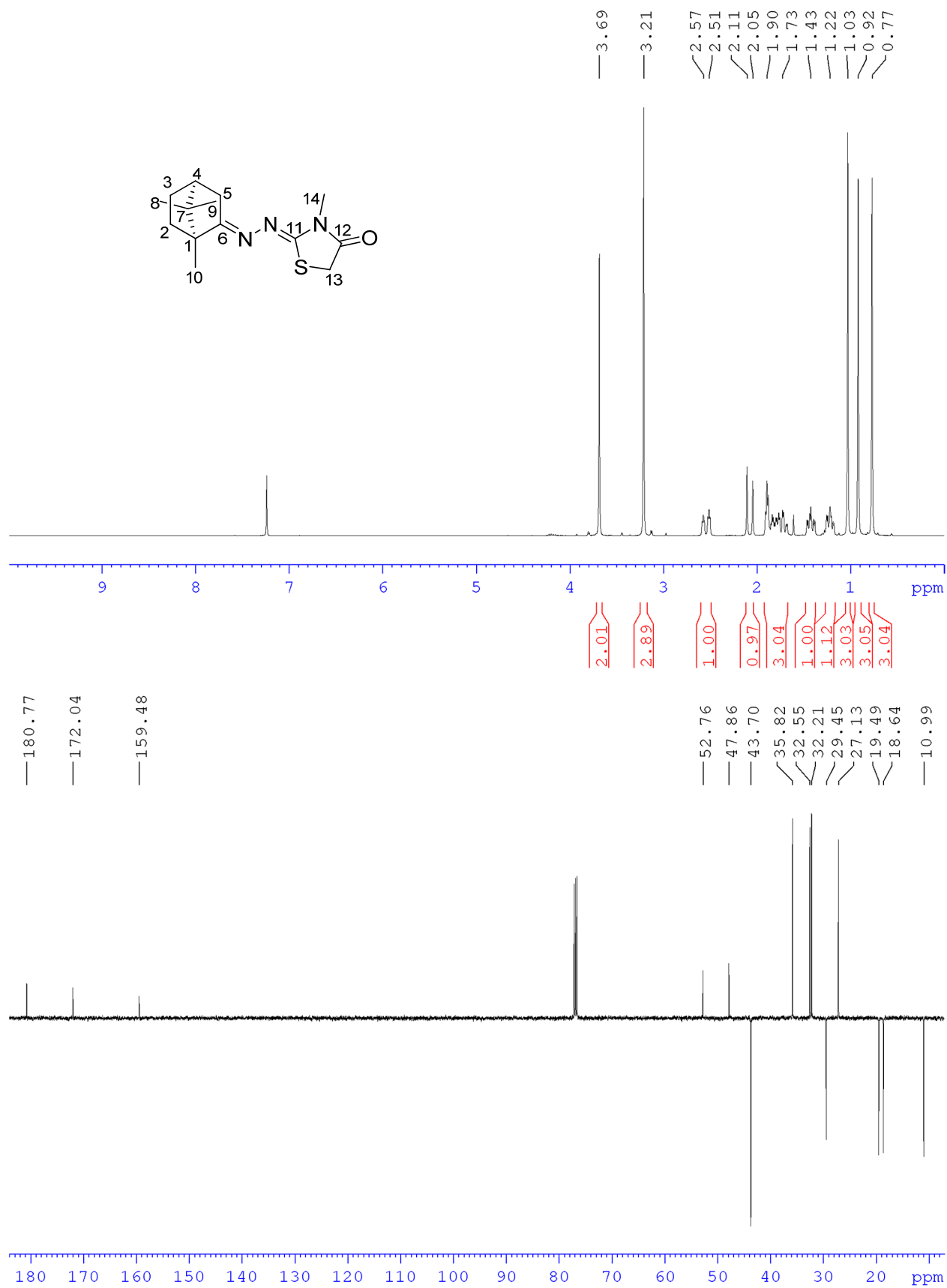
1.11. ^1H NMR and ^{13}C NMR spectra of compound 3c

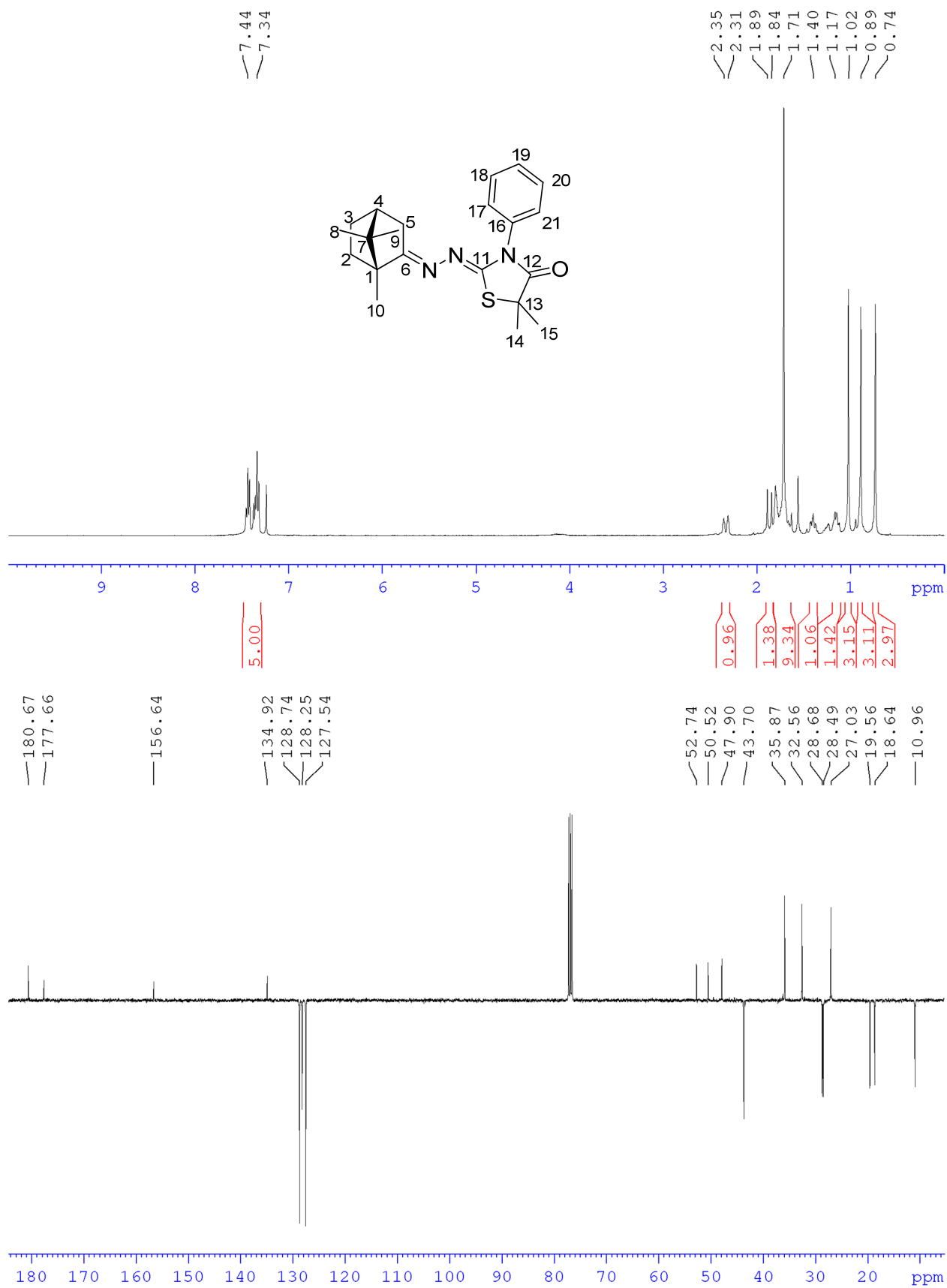
1.12. ^1H NMR and ^{13}C NMR spectra of compound 3d

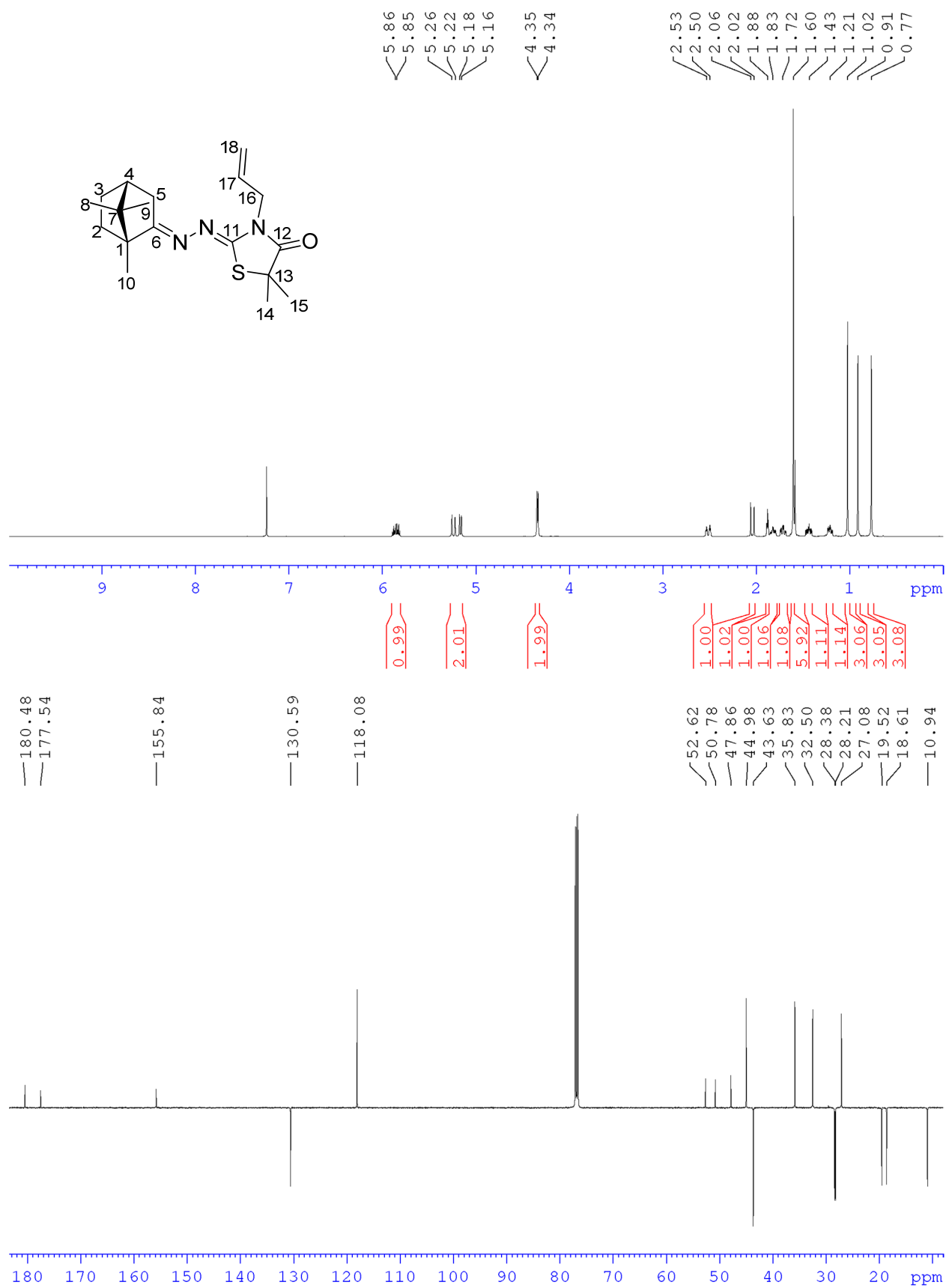
1.13. ^1H NMR and ^{13}C NMR spectra of compound 3'a

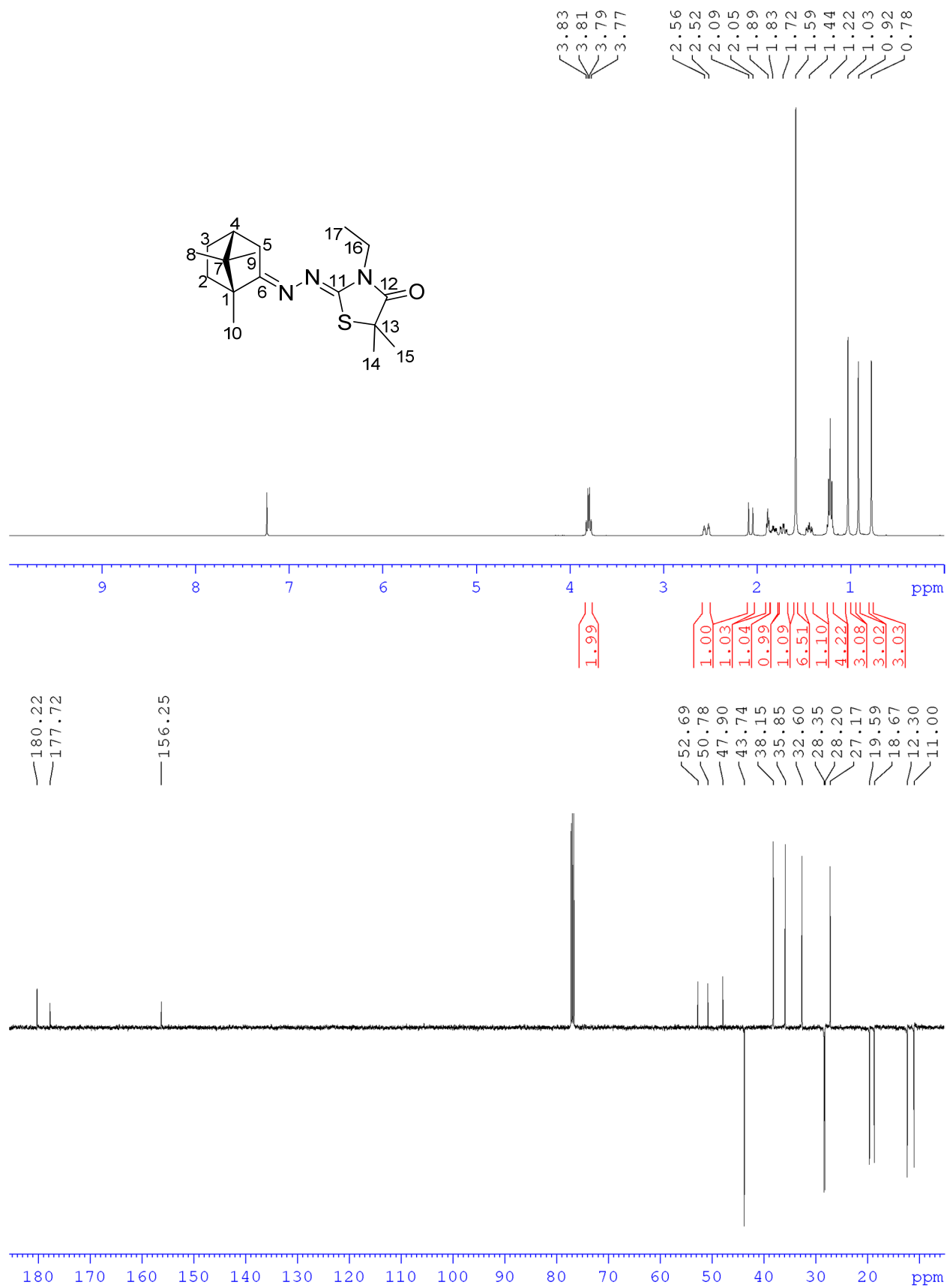
1.14. ^1H NMR and ^{13}C NMR spectra of compound 3'b

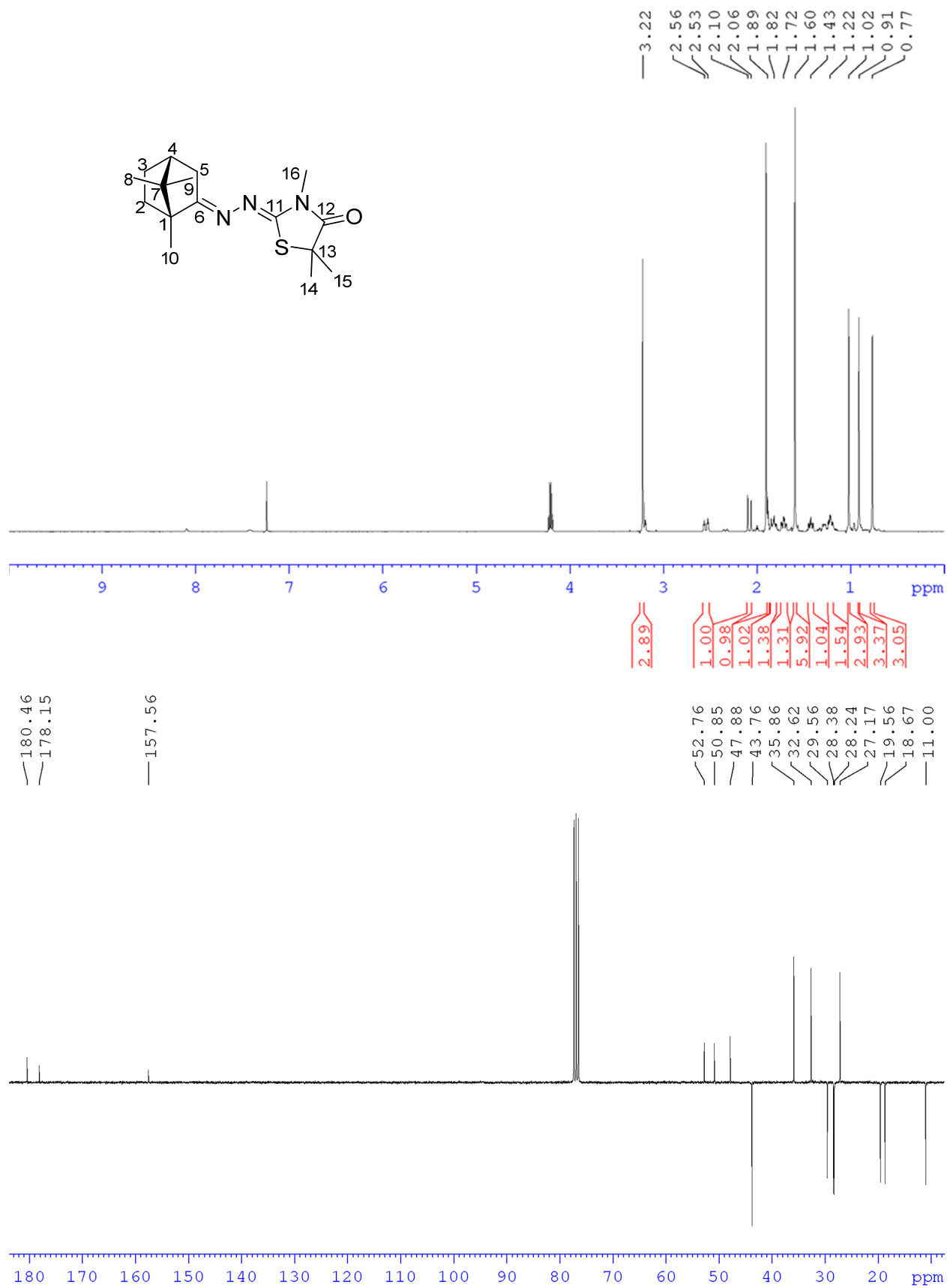
1.15. ^1H NMR and ^{13}C NMR spectra of compound 3'c

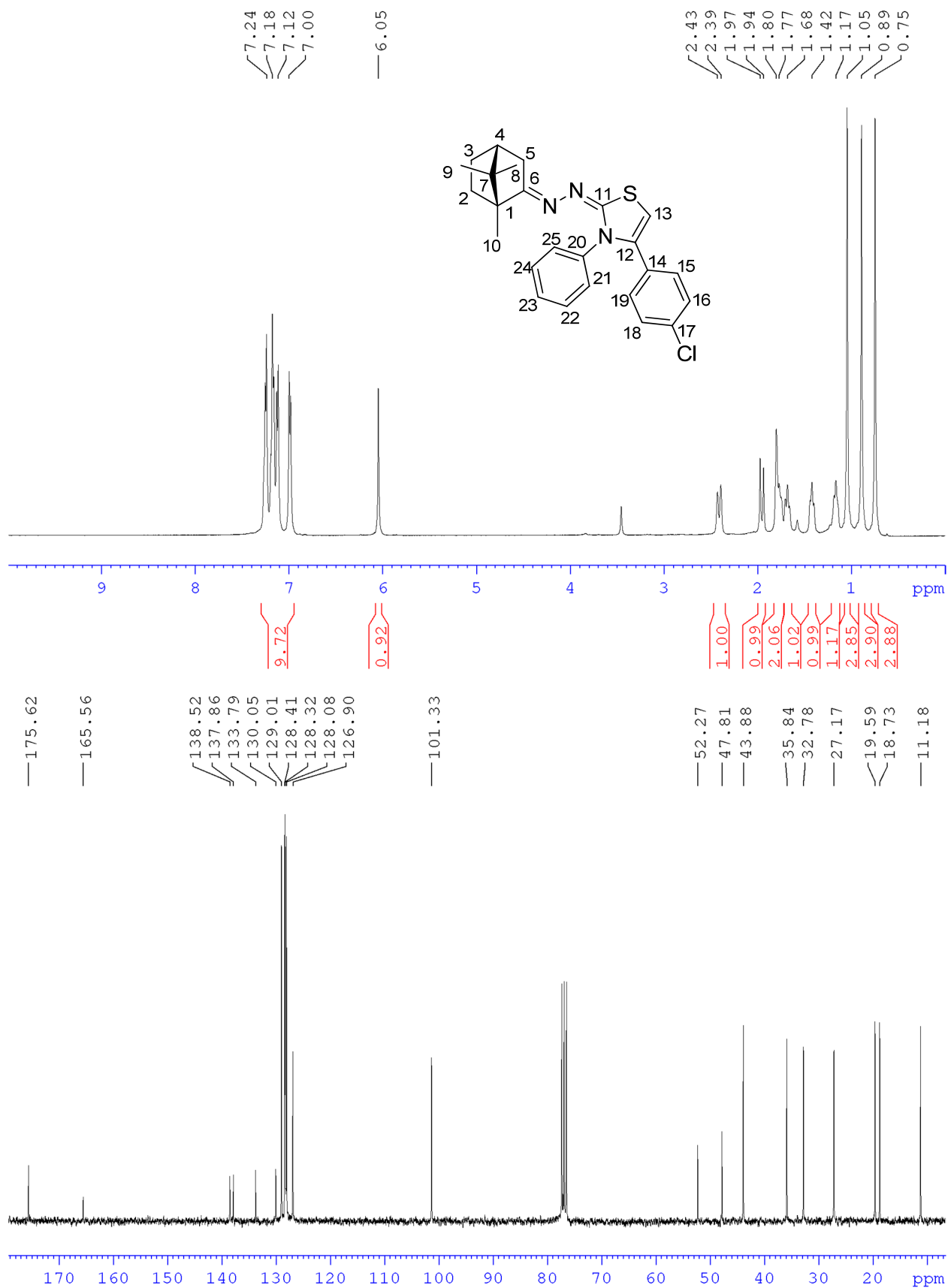
1.16. ^1H NMR and ^{13}C NMR spectra of compound 3'd

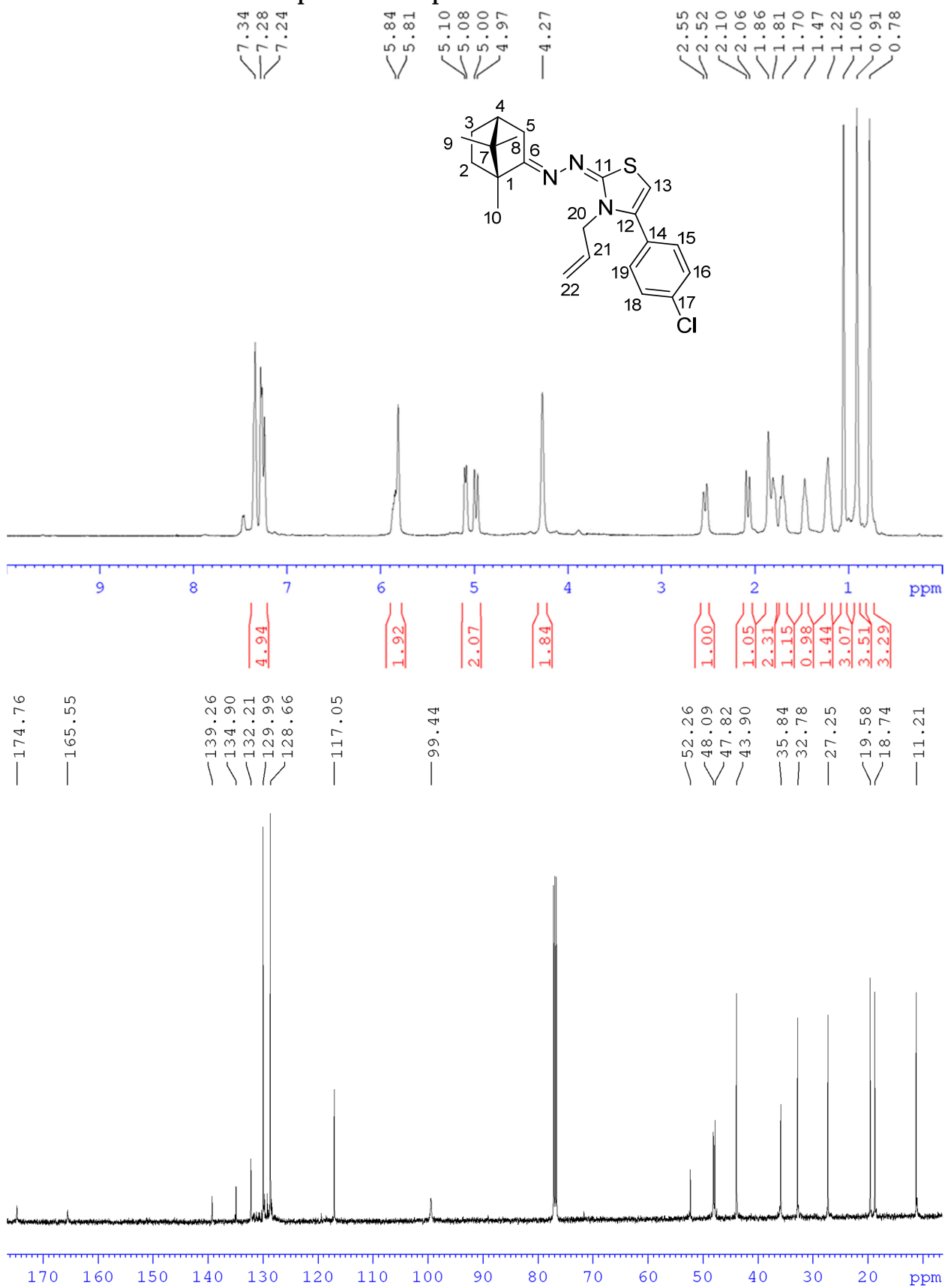
1.17. ^1H NMR and ^{13}C NMR spectra of compound 4a

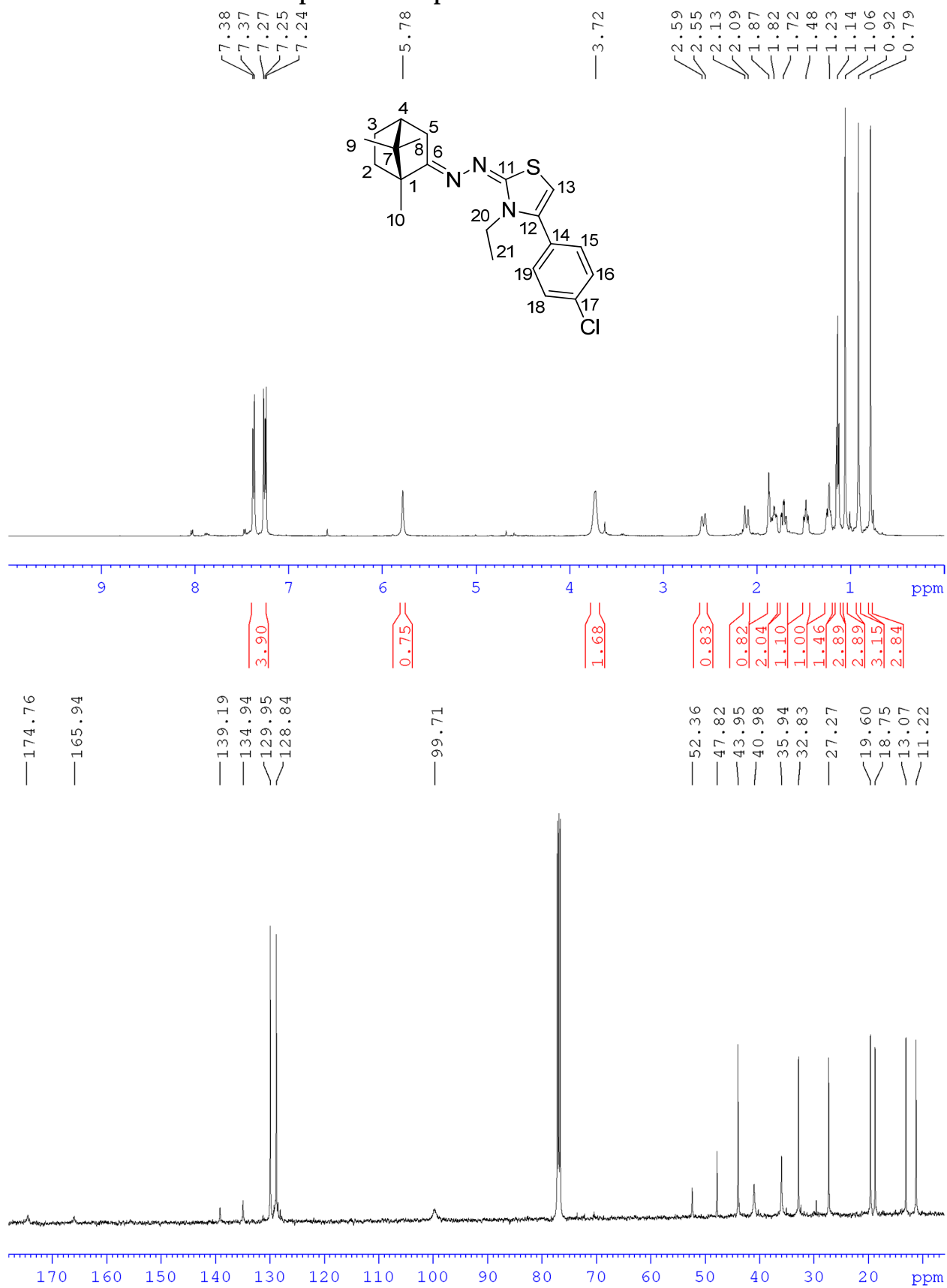
1.18. ^1H NMR and ^{13}C NMR spectra of compound 4b

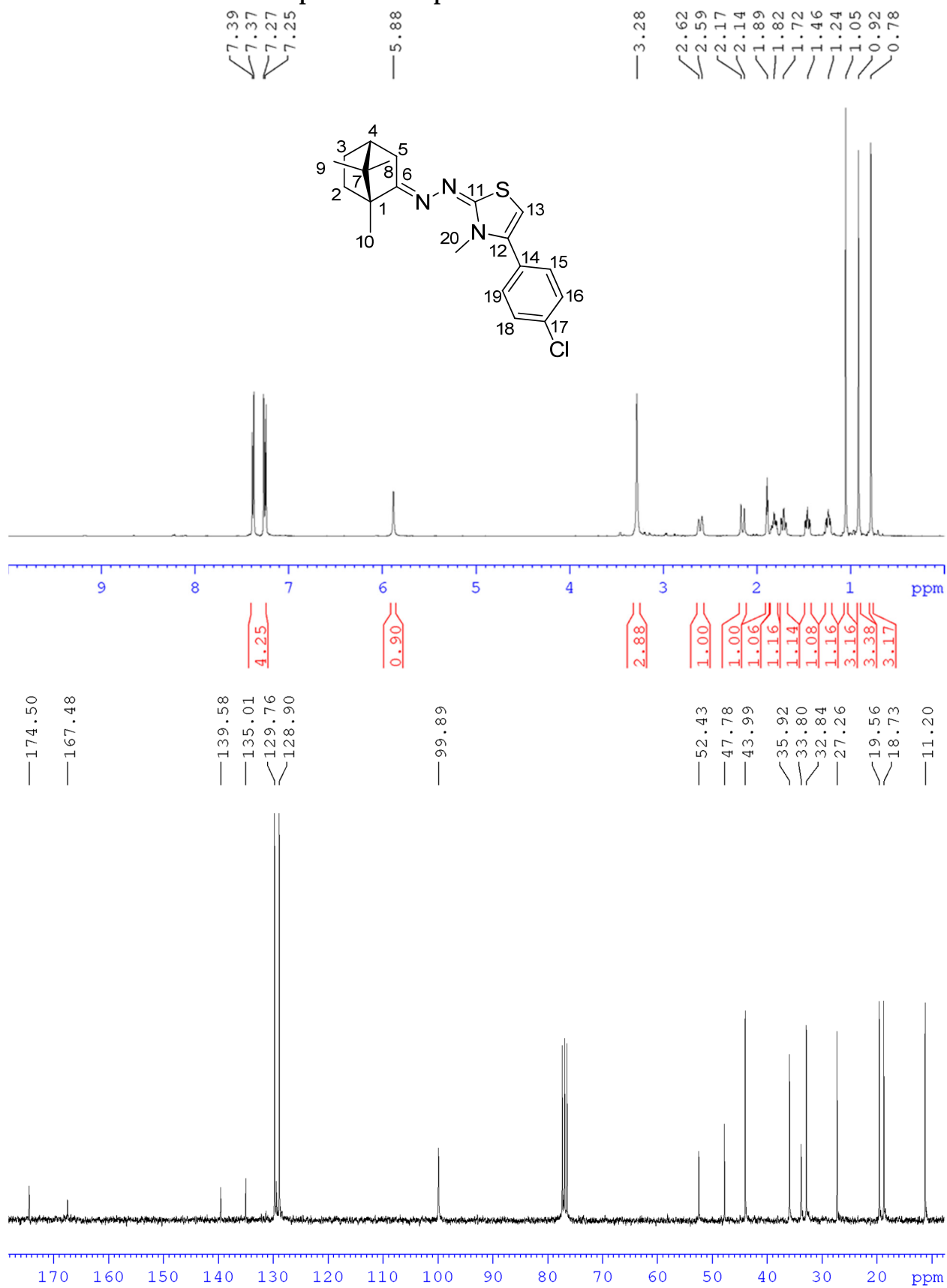
1.19. ^1H NMR and ^{13}C NMR spectra of compound 4c

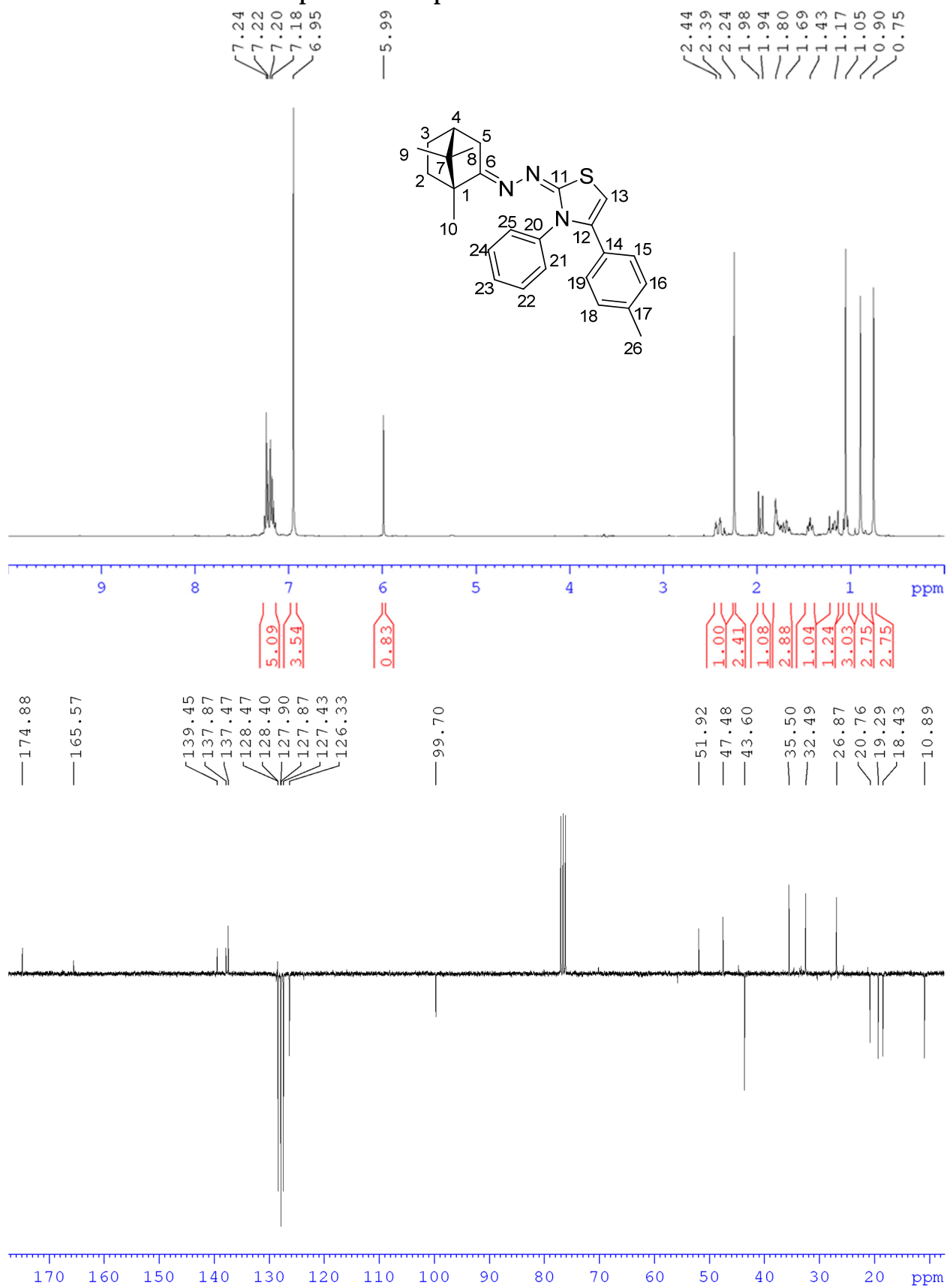
1.20. ^1H NMR and ^{13}C NMR spectra of compound 4d

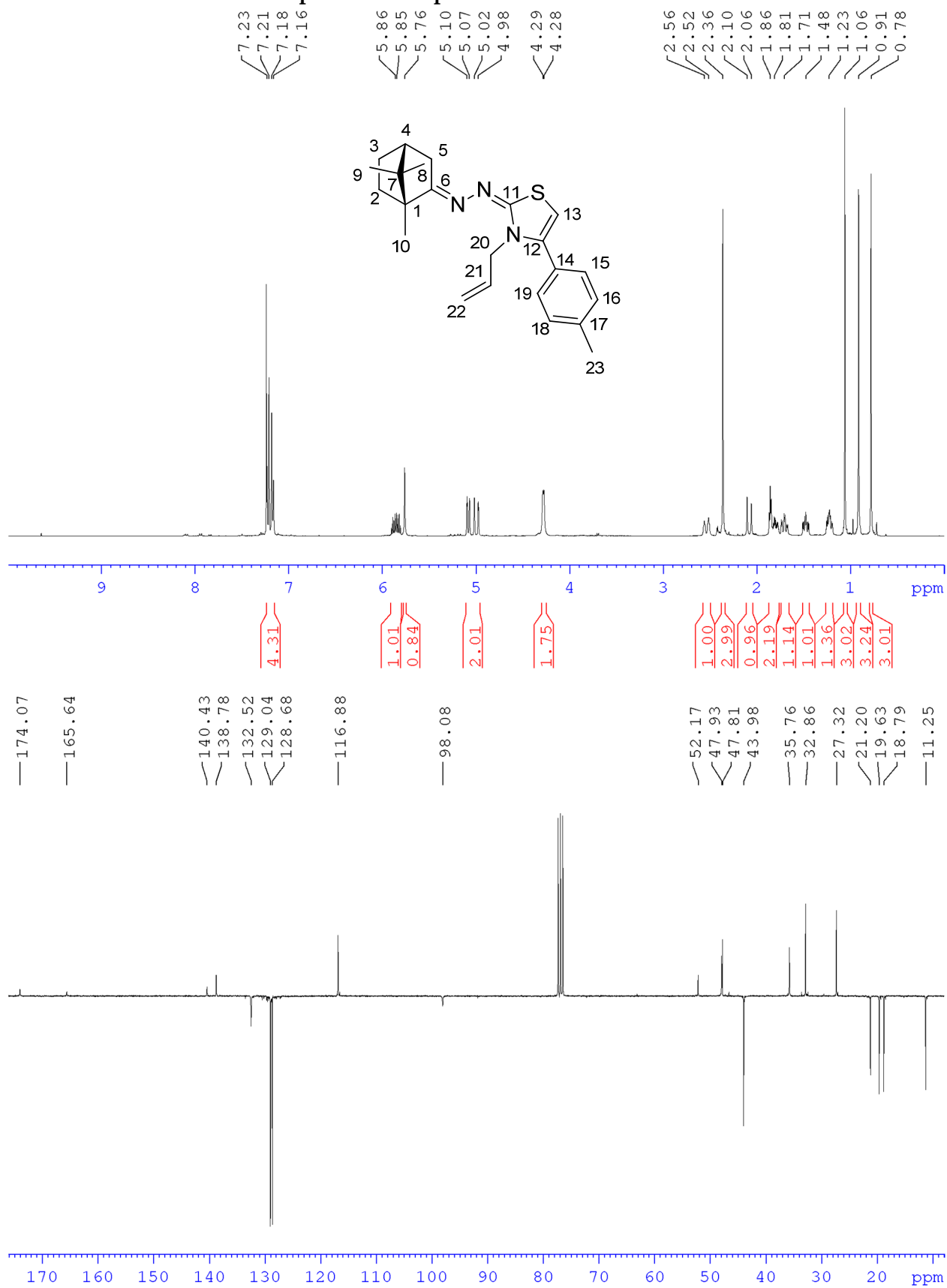
1.21. ^1H NMR and ^{13}C NMR spectra of compound 5a

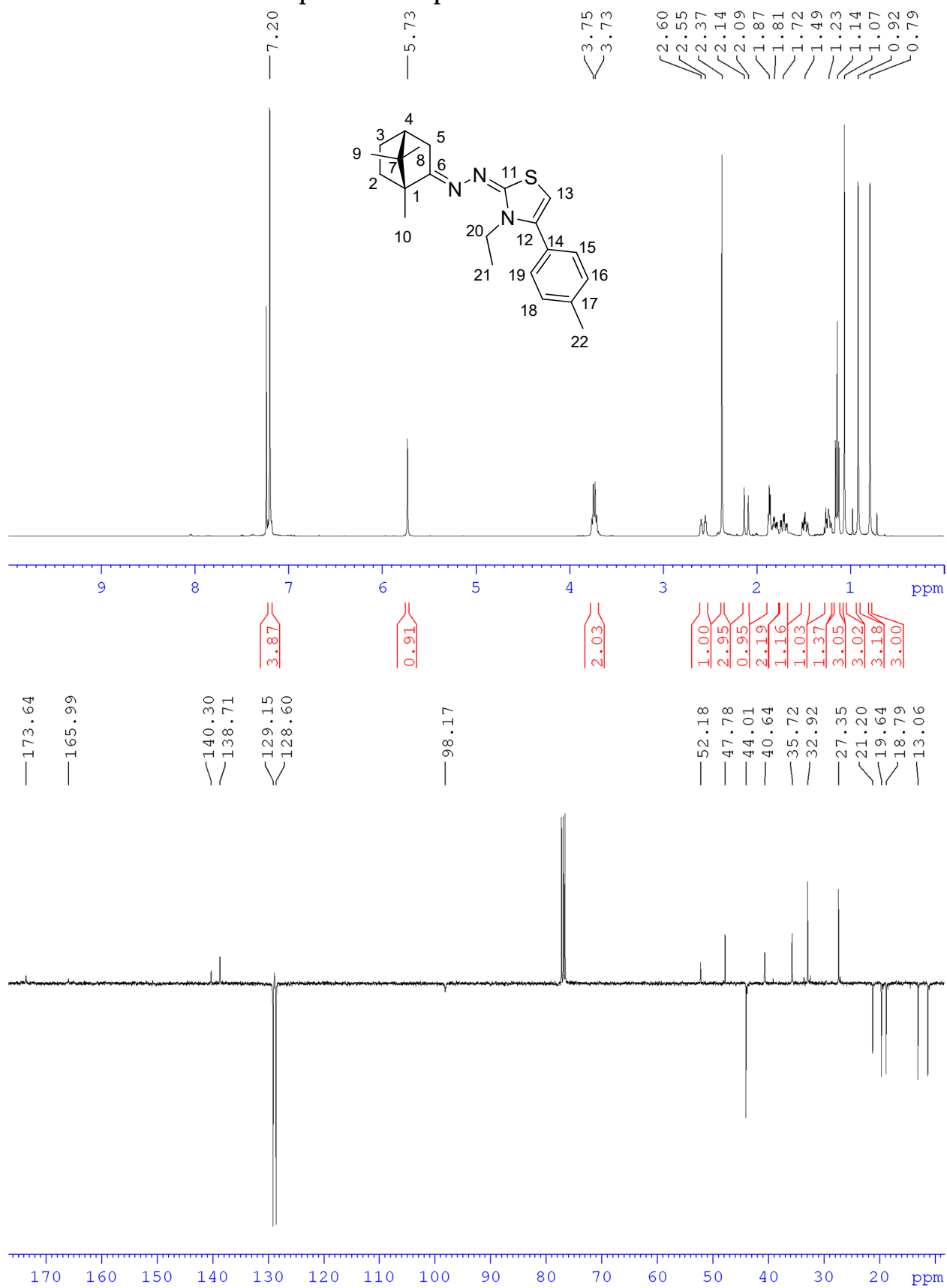
1.22. ^1H NMR and ^{13}C NMR spectra of compound 5b

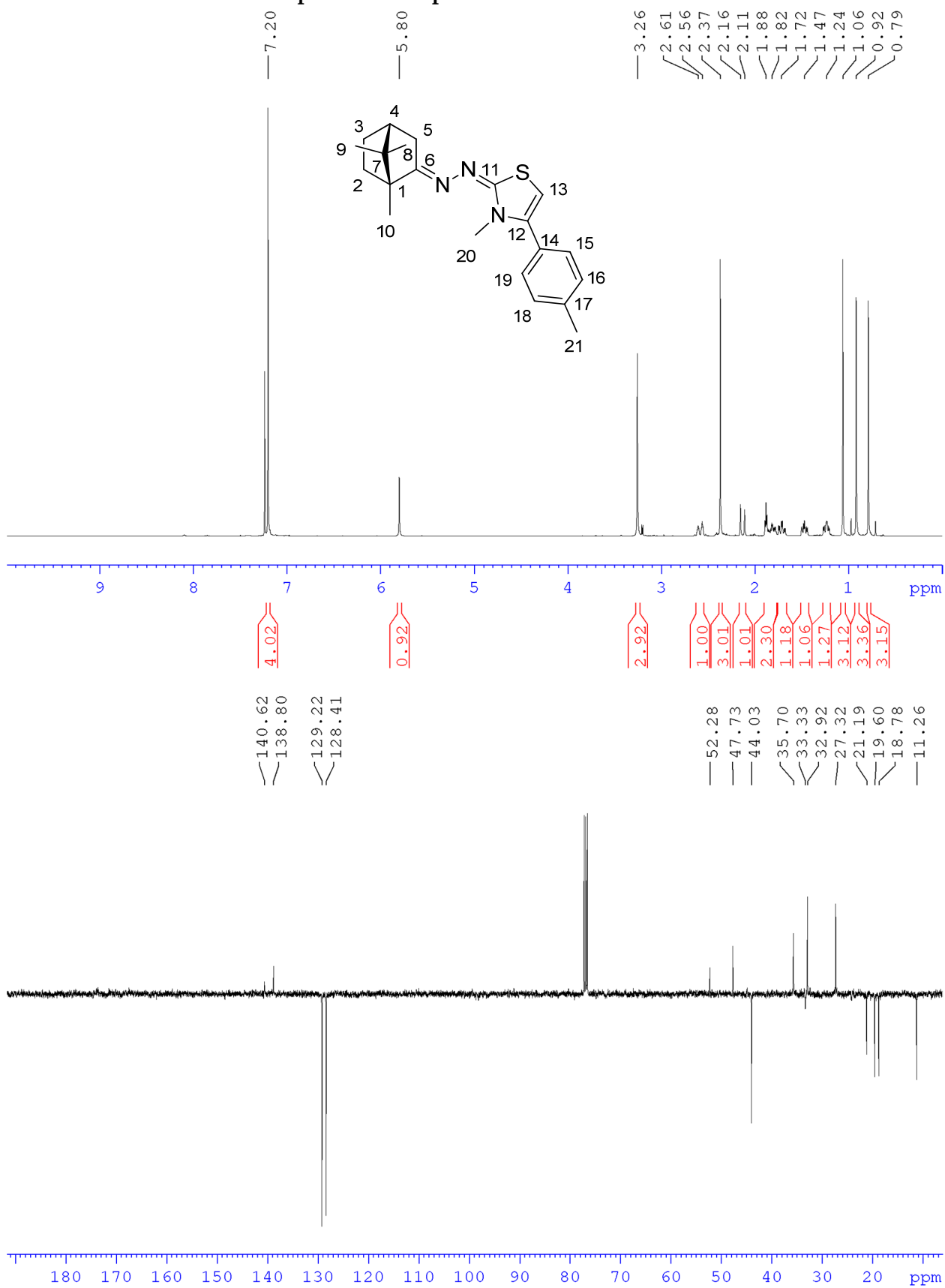
1.23. ^1H NMR and ^{13}C NMR spectra of compound 5c

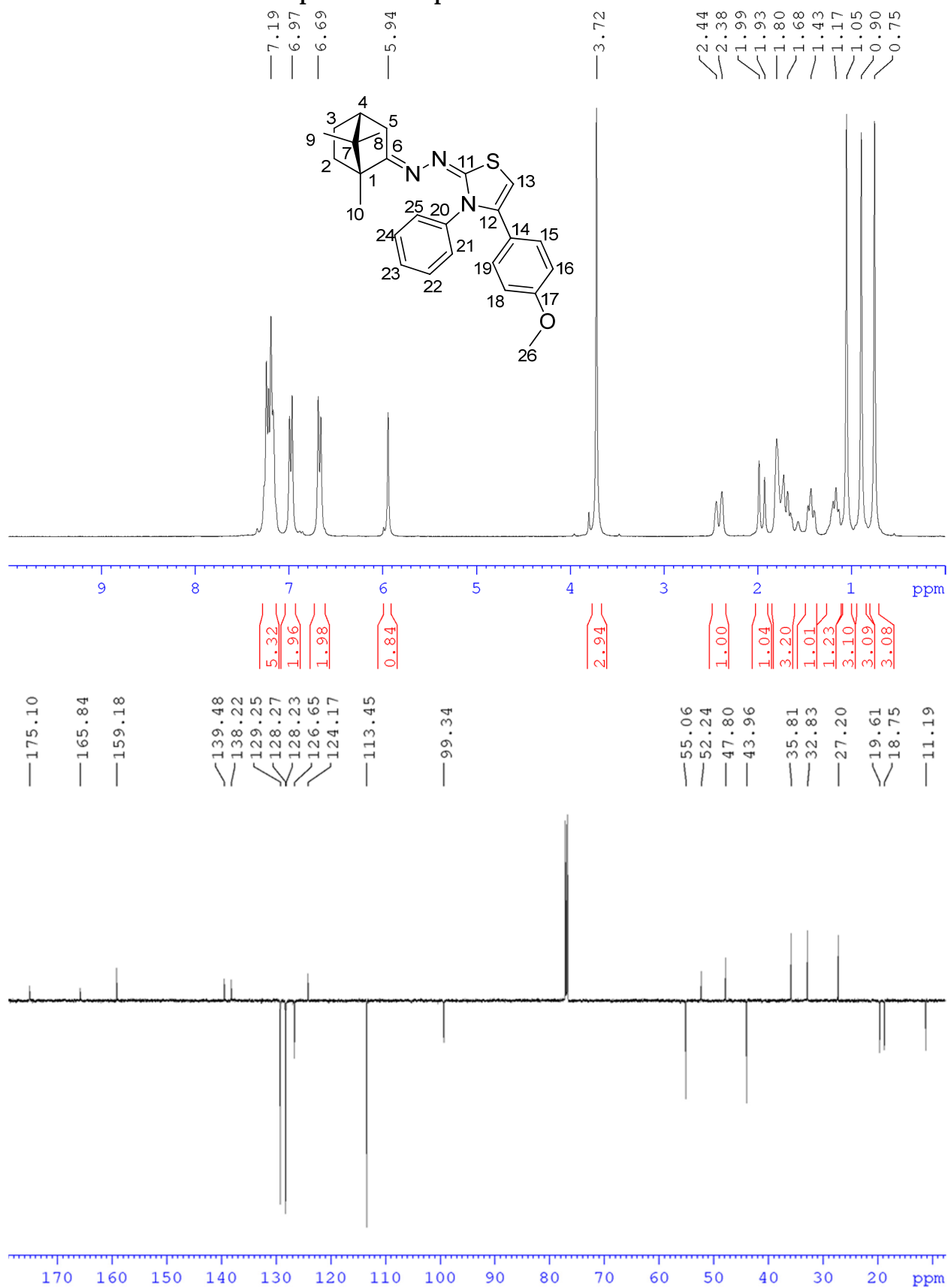
1.24. ^1H NMR and ^{13}C NMR spectra of compound 5d

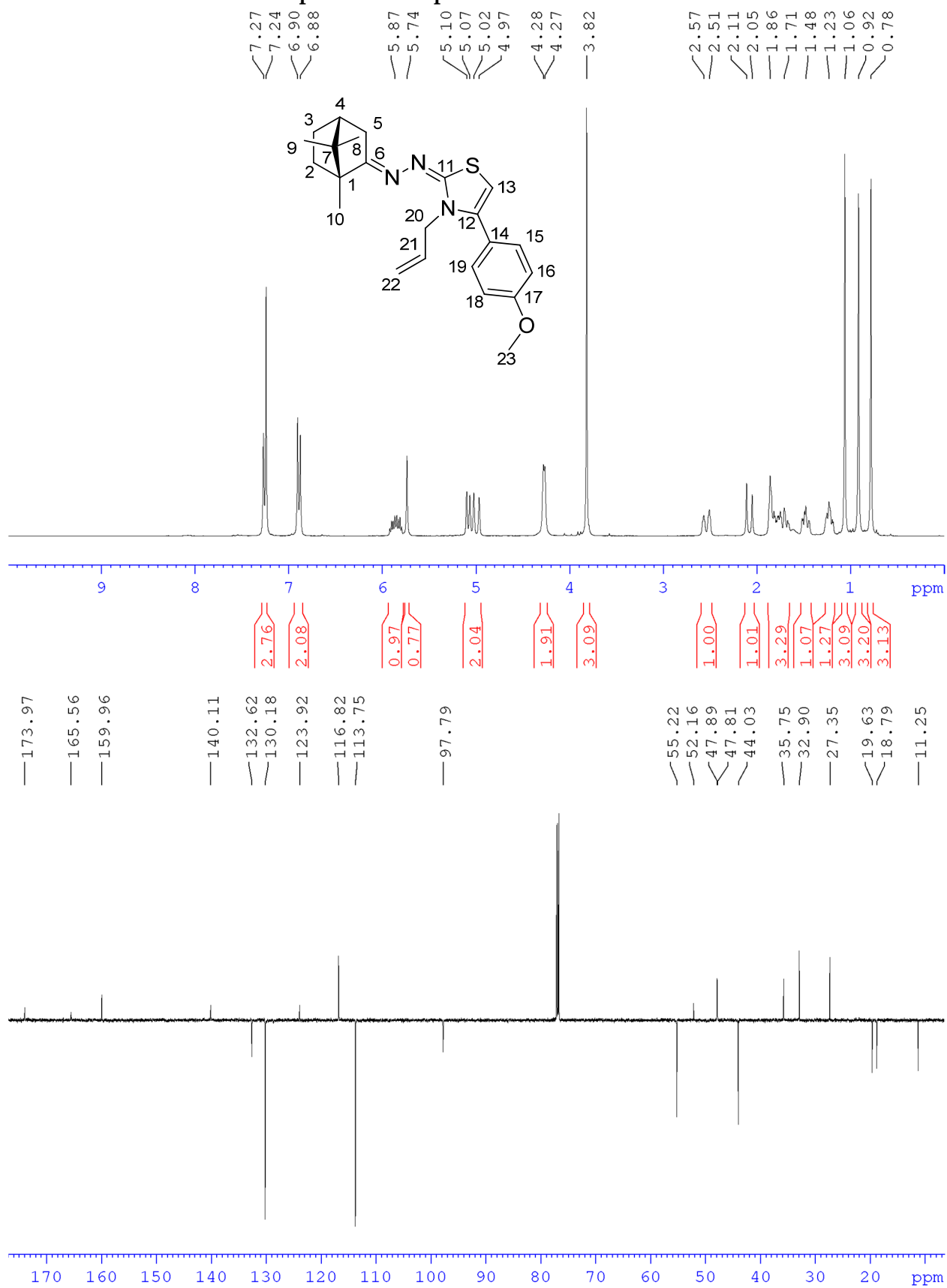
1.25. ^1H NMR and ^{13}C NMR spectra of compound 6a

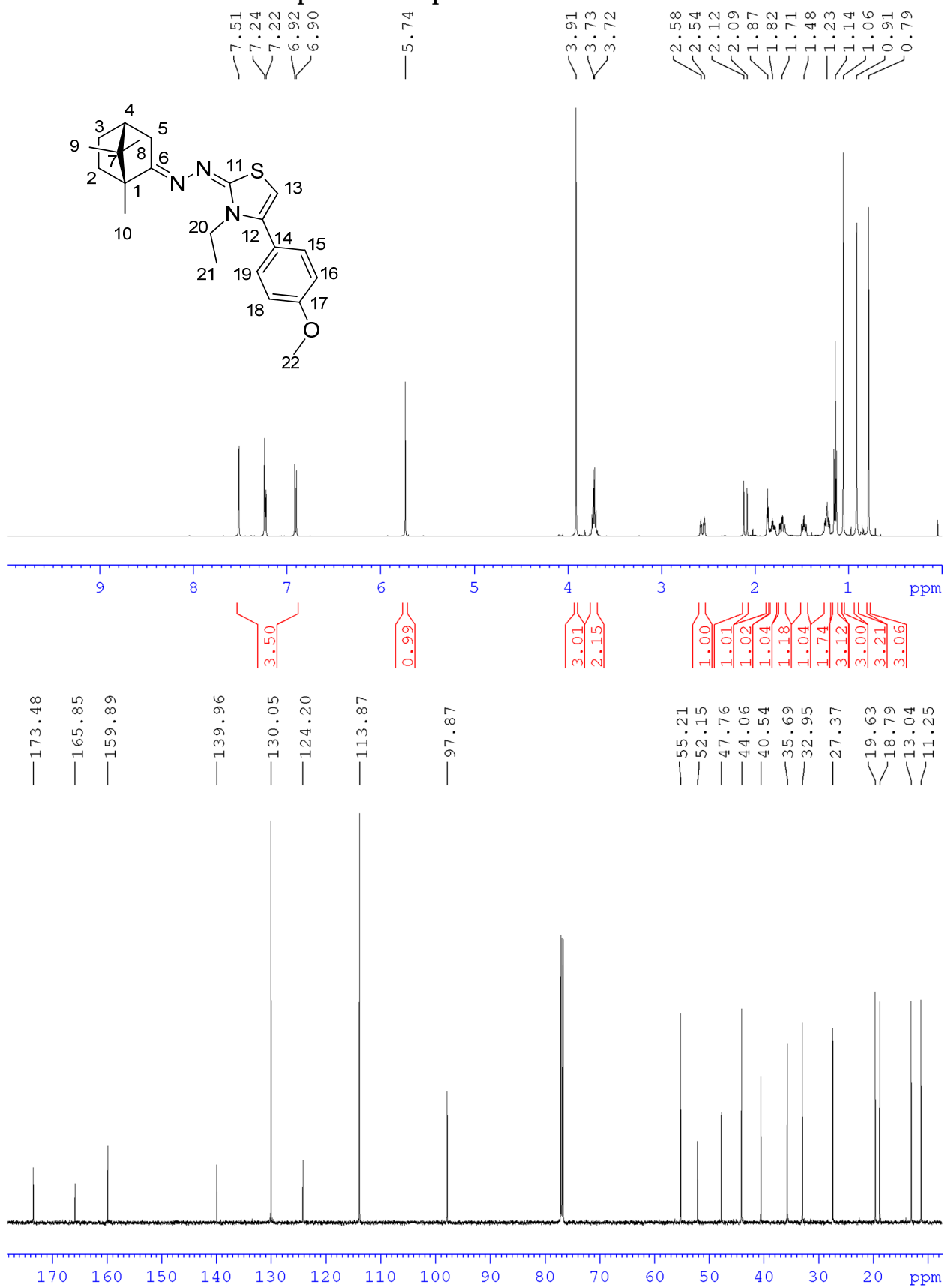
1.26. ^1H NMR and ^{13}C NMR spectra of compound 6b

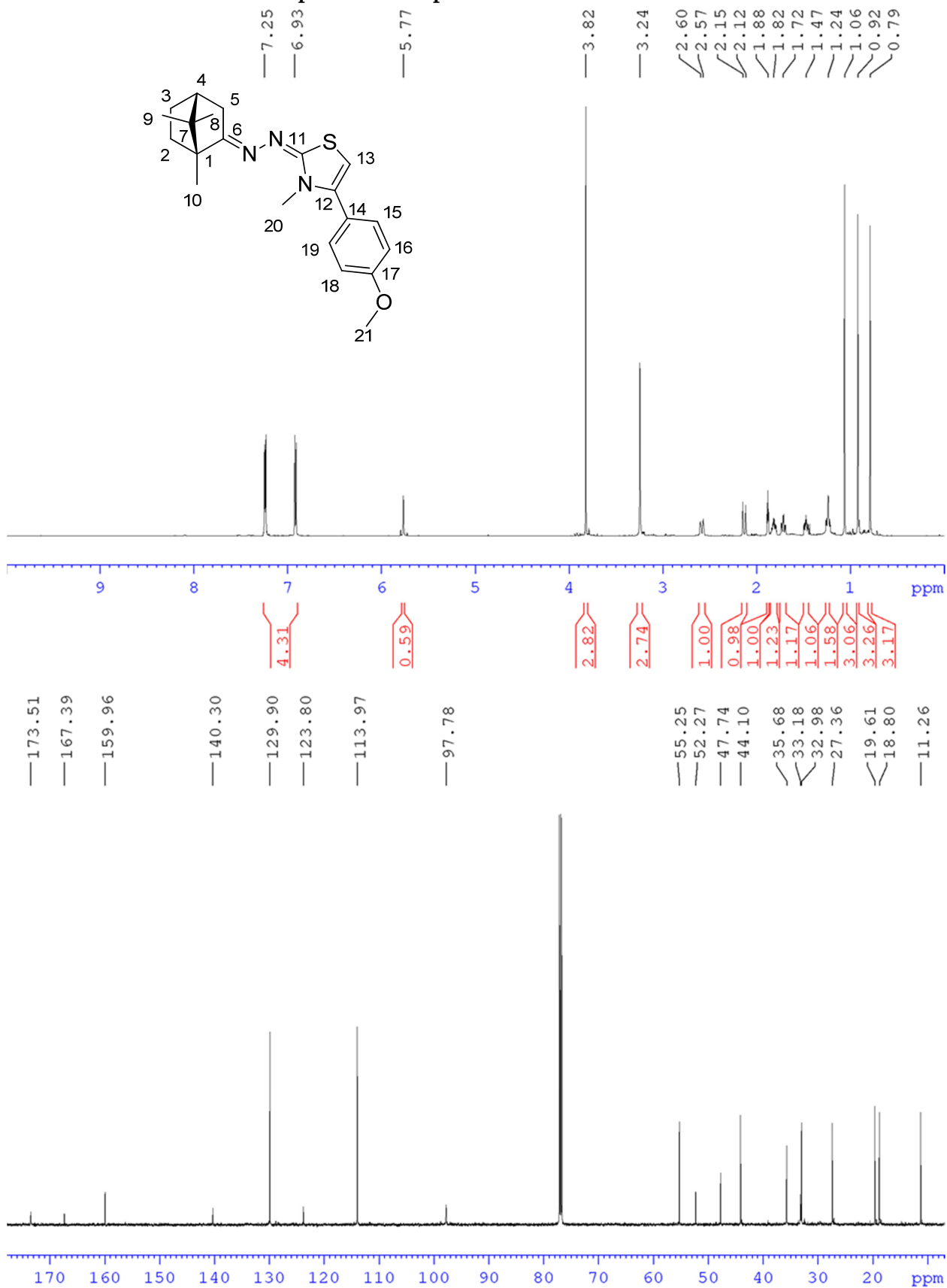
1.27. ^1H NMR and ^{13}C NMR spectra of compound 6c

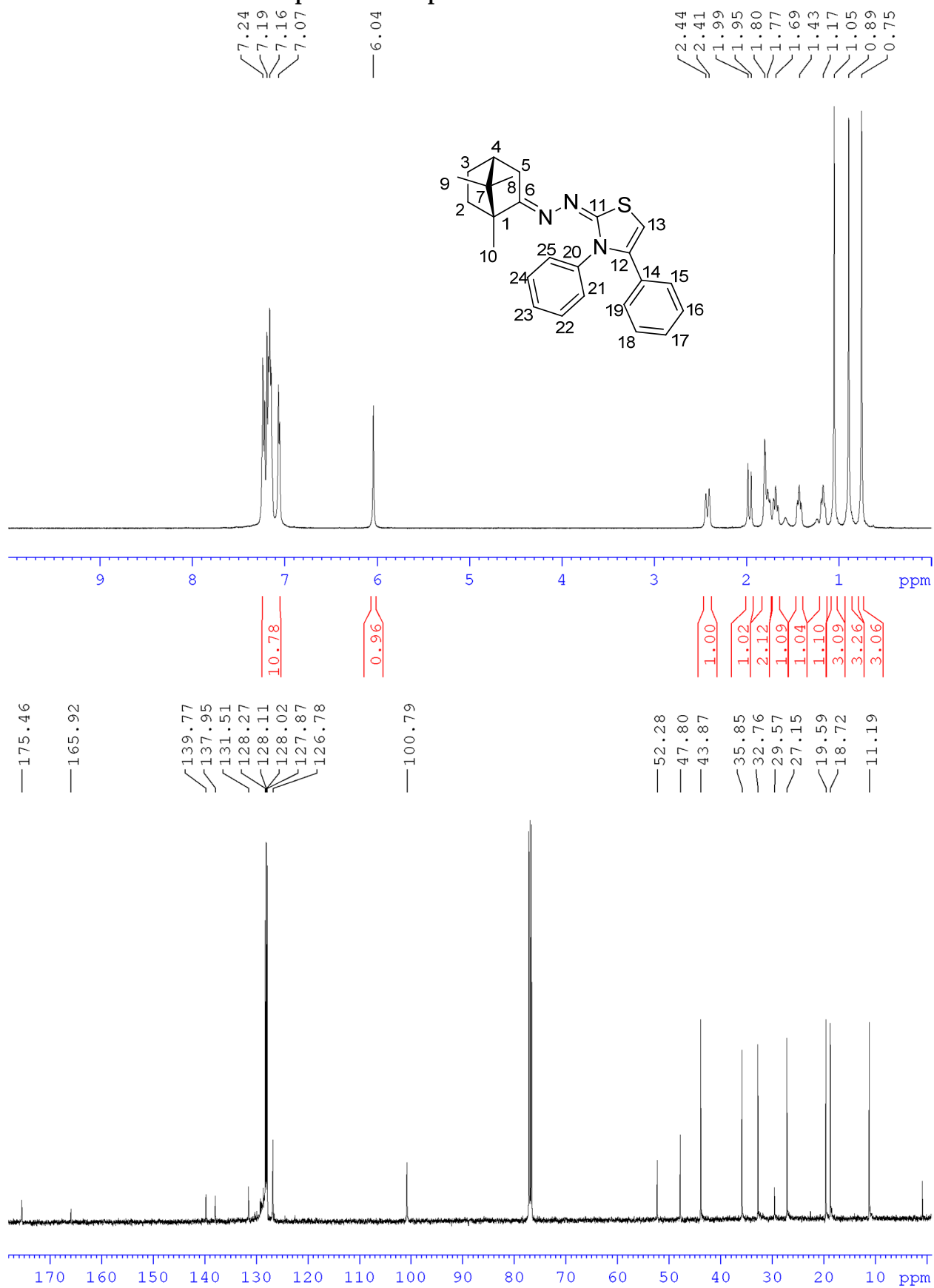
1.28. ^1H NMR and ^{13}C NMR spectra of compound 6d

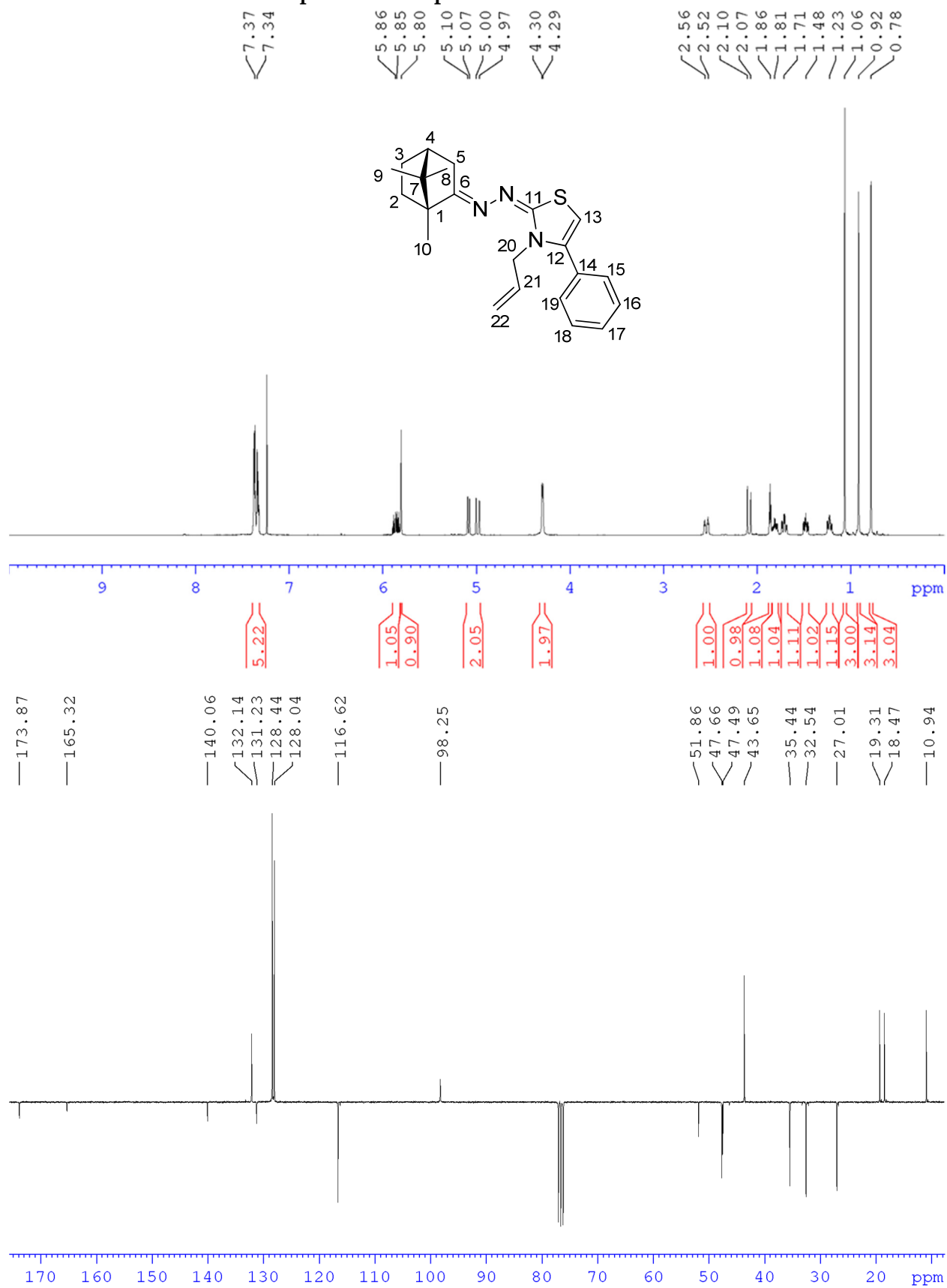
1.29. ^1H NMR and ^{13}C NMR spectra of compound 7a

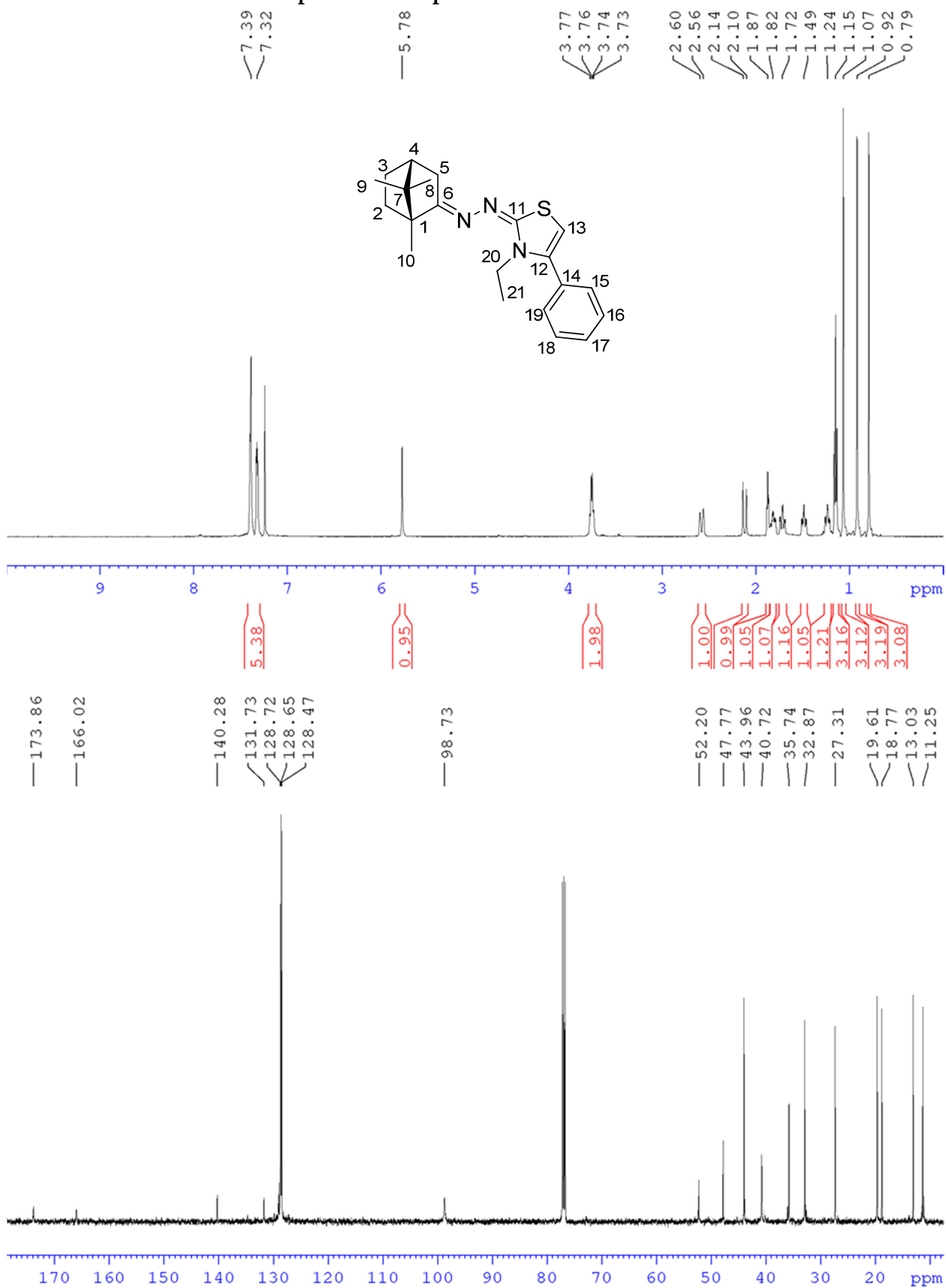
1.30. ^1H NMR and ^{13}C NMR spectra of compound 7b

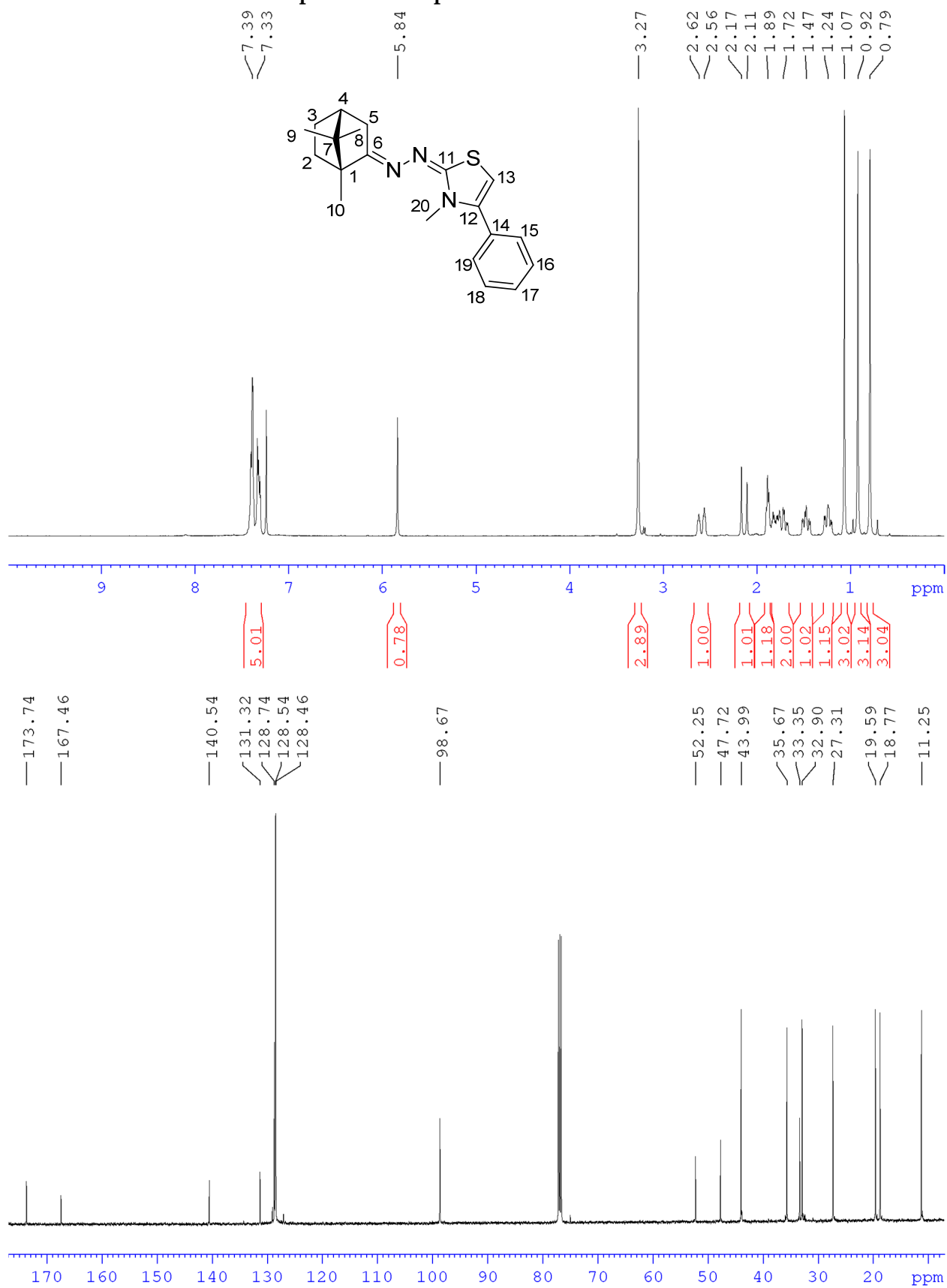
1.31. ^1H NMR and ^{13}C NMR spectra of compound **7c**

1.32. ^1H NMR and ^{13}C NMR spectra of compound 7d

1.33. ^1H NMR and ^{13}C NMR spectra of compound 8a

1.34. ^1H NMR and ^{13}C NMR spectra of compound 8b

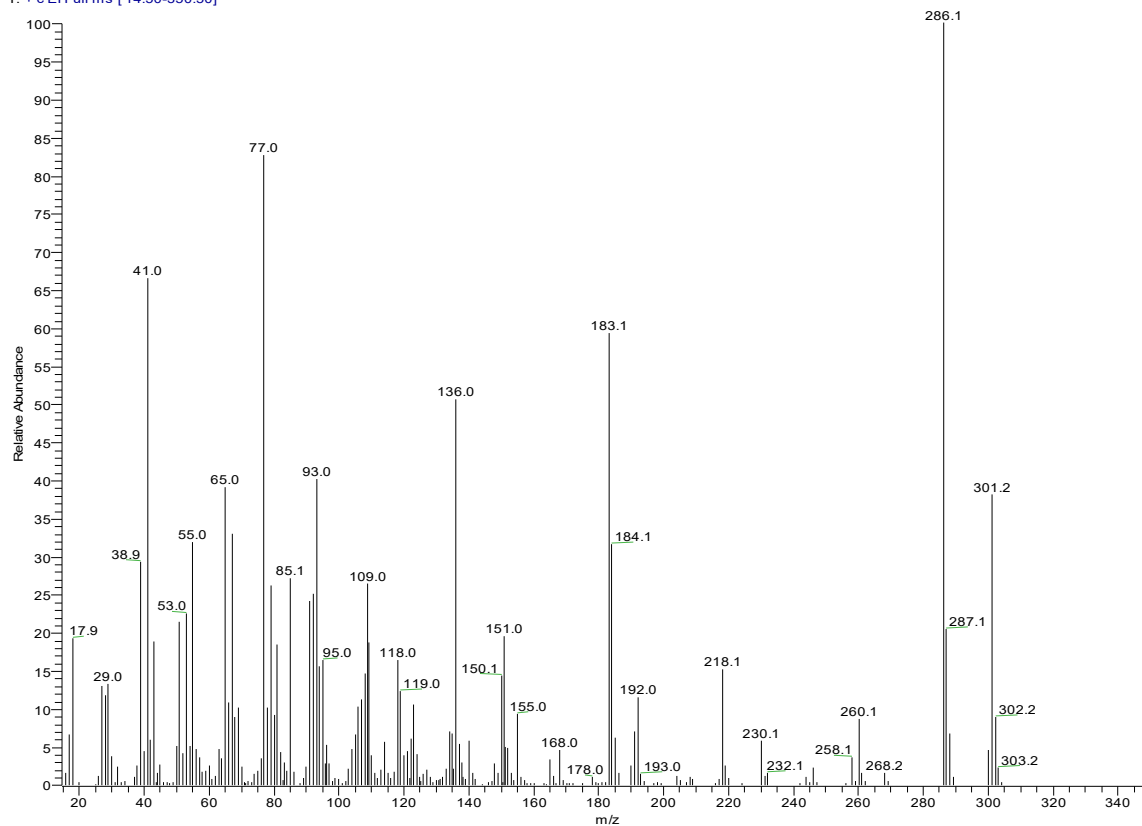
1.35. ^1H NMR and ^{13}C NMR spectra of compound 8c

1.36. ^1H NMR and ^{13}C NMR spectra of compound 8d

2. High Resolution Mass Spectra of Compounds 2a-8d

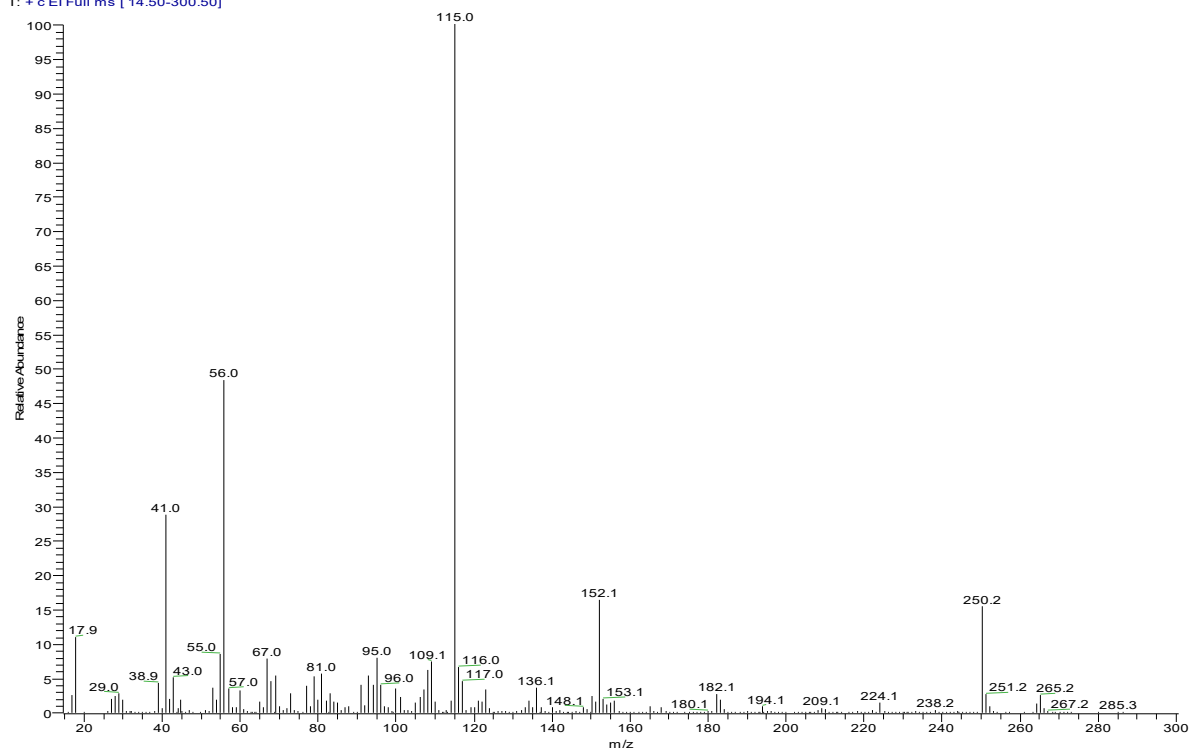
2.1. High Resolution Mass Spectra of Compound 2a

OV-14_201126152211 #3 RT: 0.15 AV: 1 NL: 2.34E6
T: + c EI Full ms [14.50-350.50]



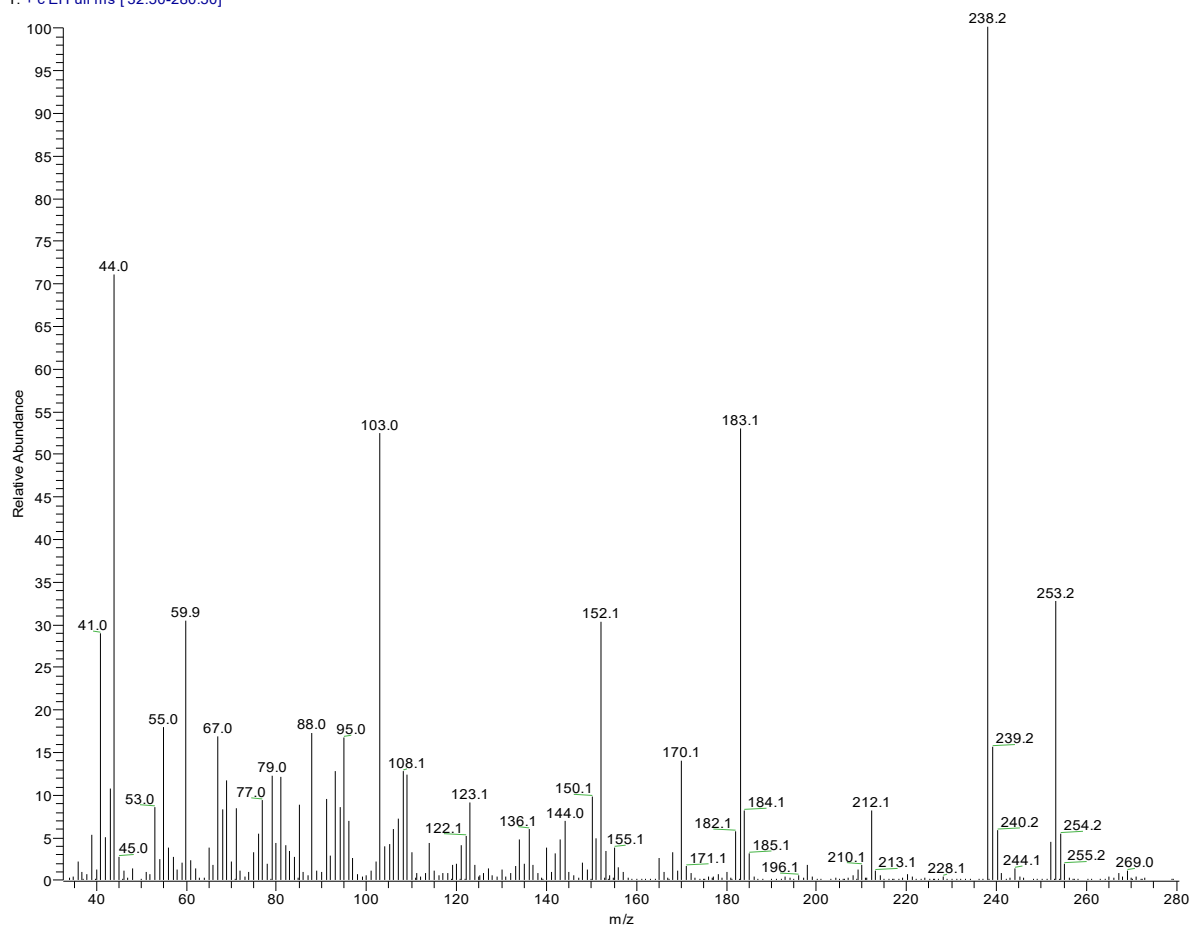
2.2. High Resolution Mass Spectra of Compound 2b

OV-15-1 #4 RT: 0.18 AV: 1 NL: 1.29E7
T: + c EI Full ms [14.50-300.50]



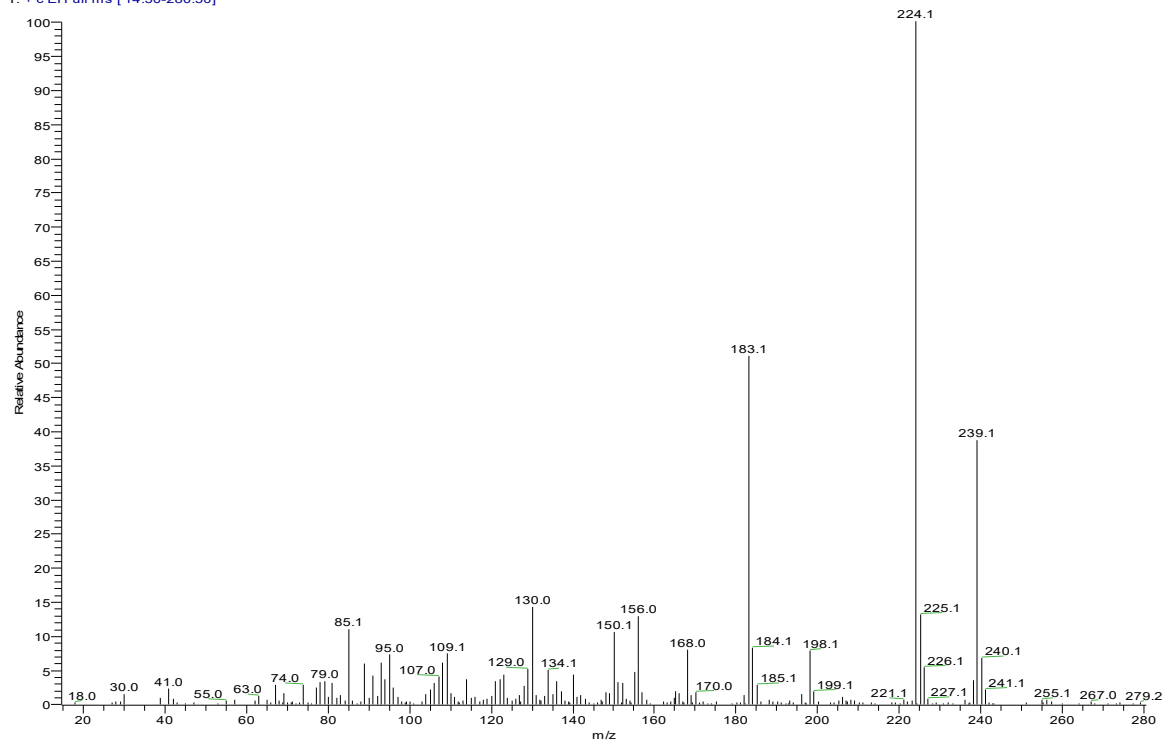
2.3. High Resolution Mass Spectra of Compound 2c

OV-98 #10 RT: 0.50 AV: 1 NL: 3.99E6
T: + c EI Full ms [32.50-280.50]



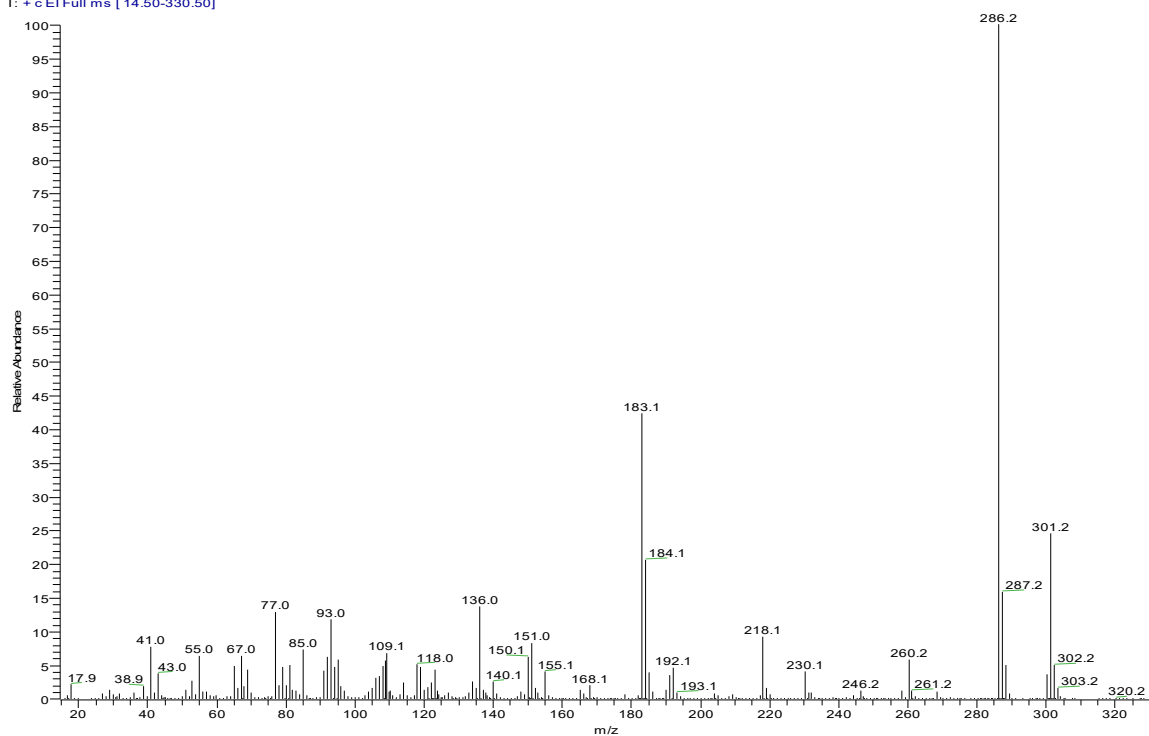
2.4. High Resolution Mass Spectra of Compound 2d

OV-16 #12 RT: 0.75 AV: 1 NL: 1.62E6
T: + c EI Full ms [14.50-280.50]



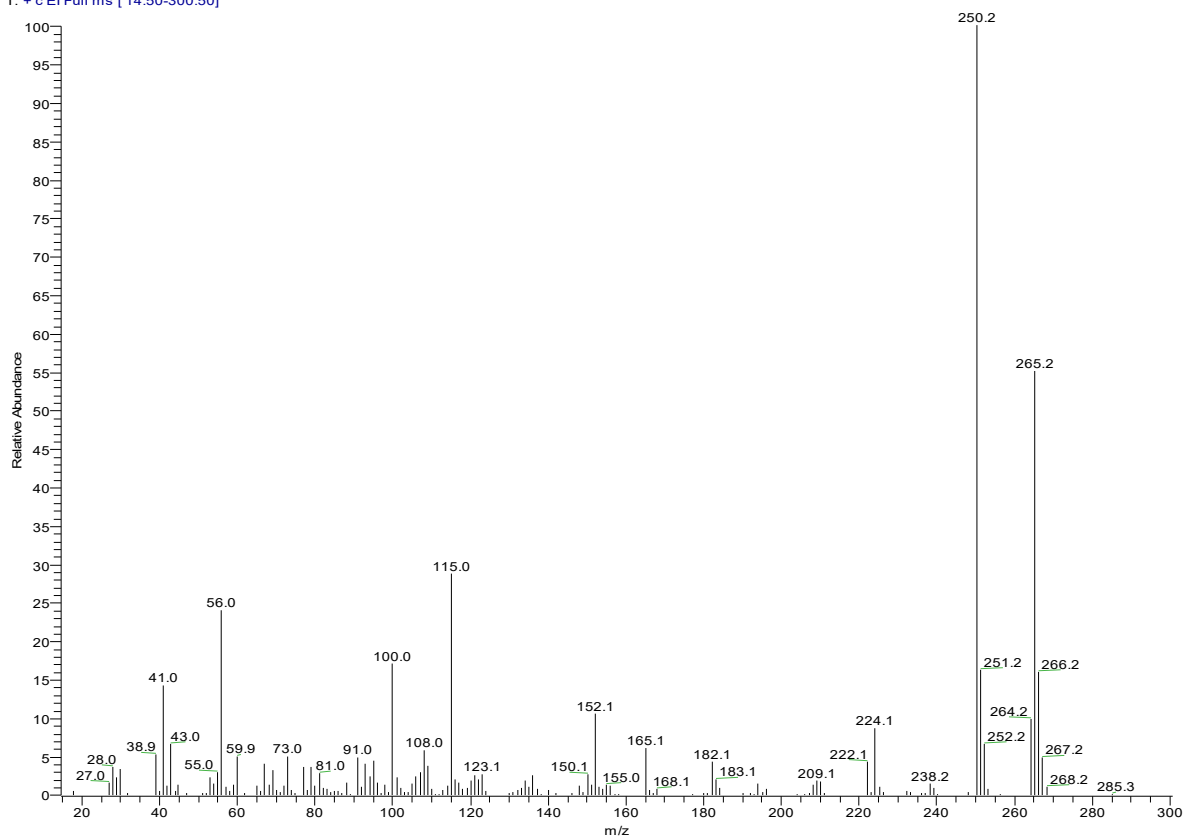
2.5. High Resolution Mass Spectra of Compound 2'a

OV-21 #3 RT: 0.22 AV: 1 NL: 6.87E7
T: + c EI Full ms [14.50-330.50]



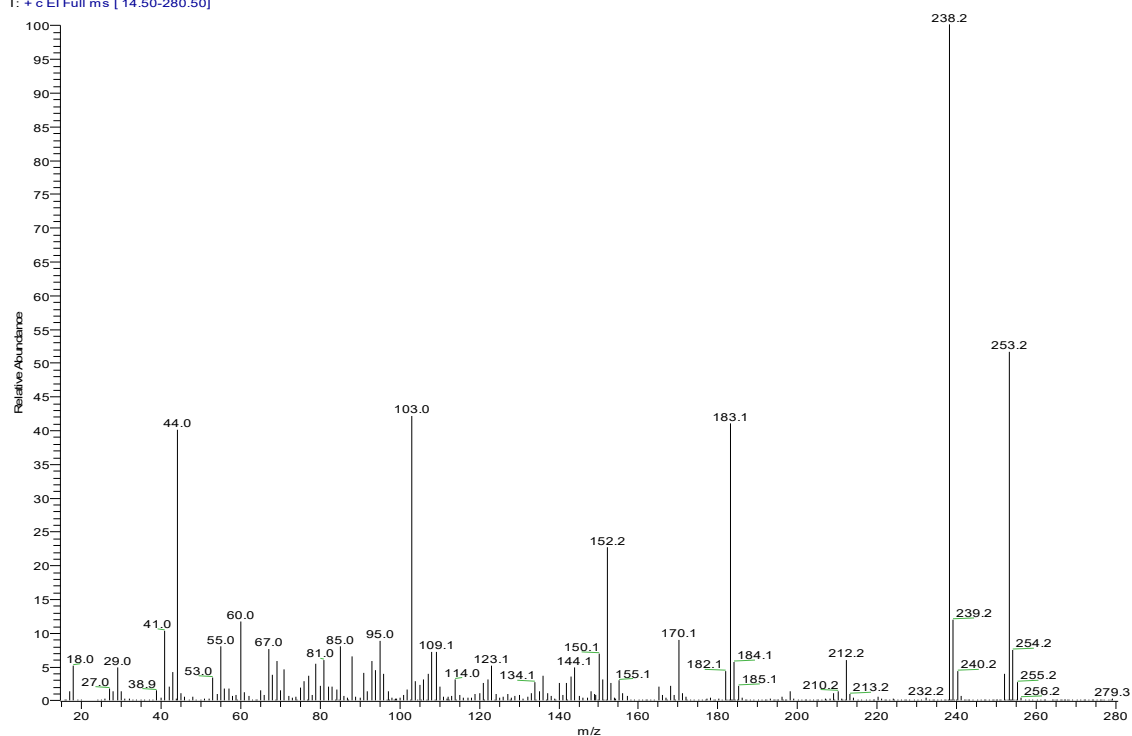
2.6. High Resolution Mass Spectra of Compound 2'b

OV-25 #4 RT: 0.21 AV: 1 NL: 1.37E6
T: + c EI Full ms [14.50-300.50]



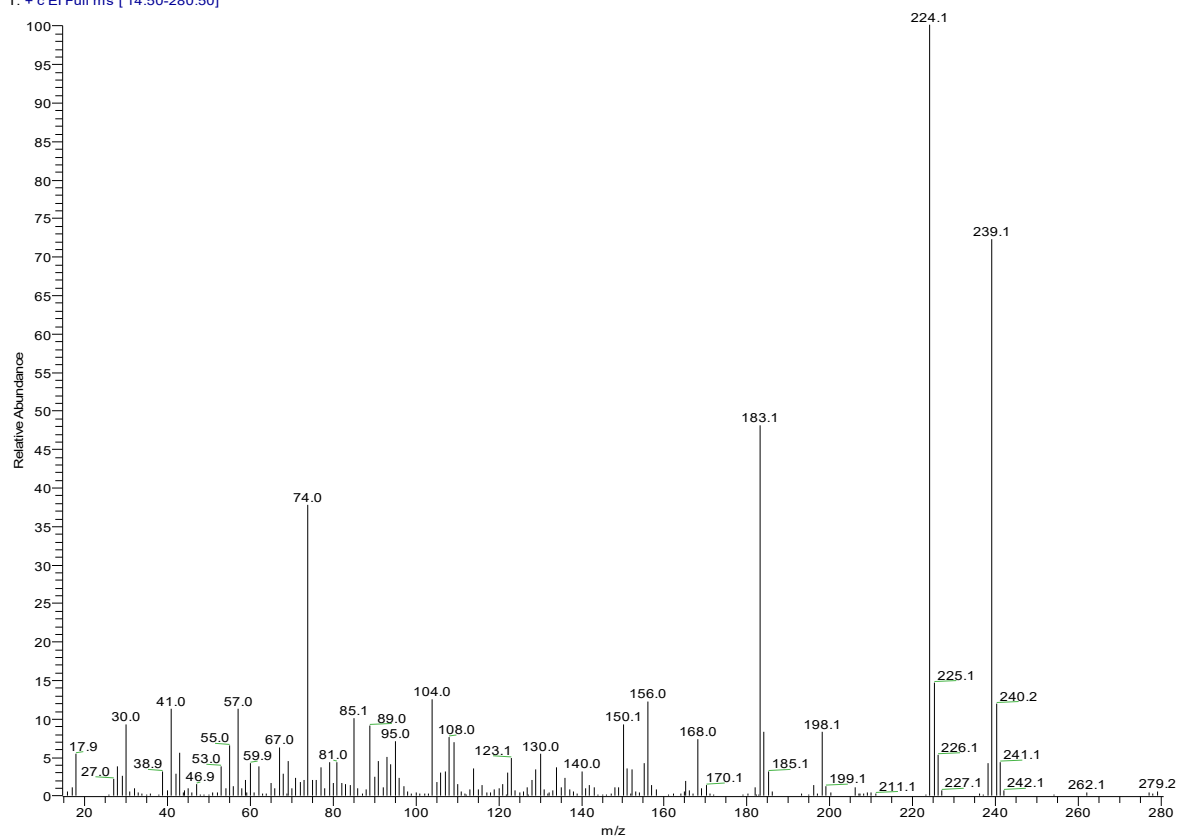
2.7. High Resolution Mass Spectra of Compound 2'c

OV-22 #10 RT: 0.58 AV: 1 NL: 6.96E7
T: + c EI Full ms [14.50-280.50]



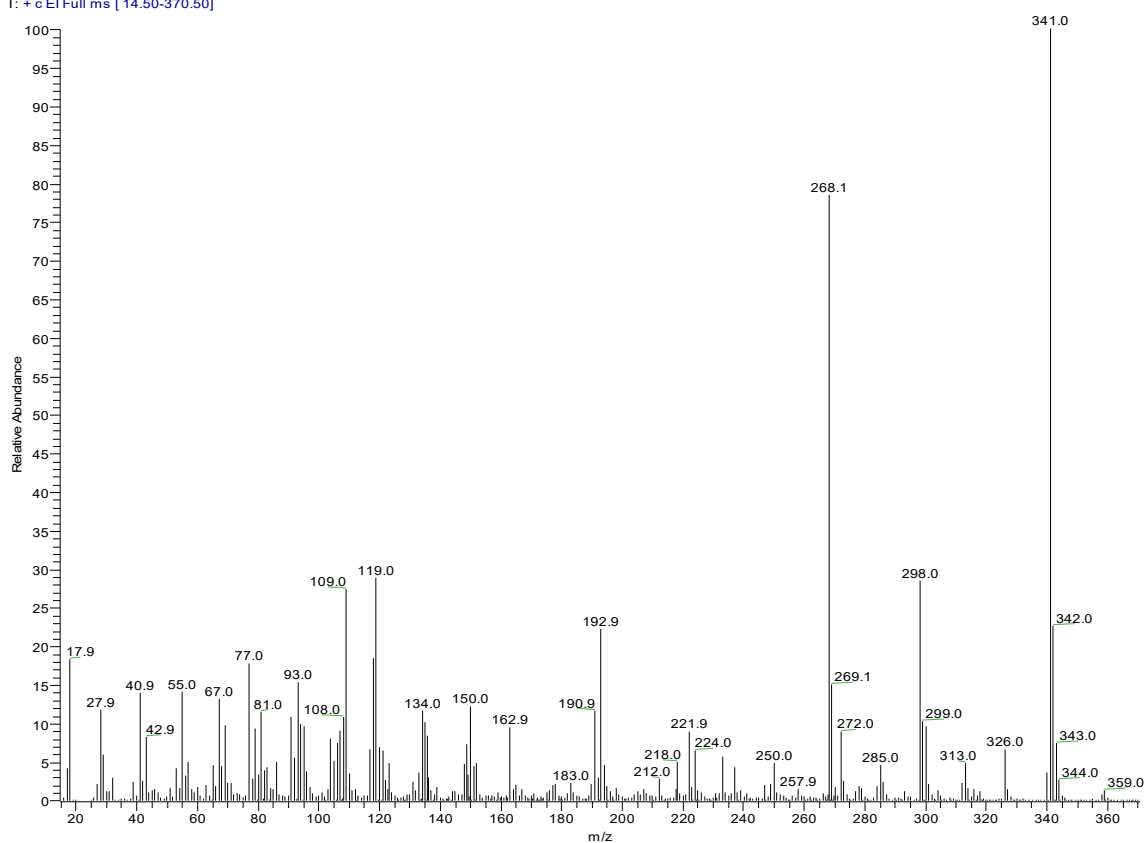
2.8. High Resolution Mass Spectra of Compound 2'd

OV-24 #6 RT: 0.34 AV: 1 NL: 1.03E7
T: + c EI Full ms [14.50-280.50]



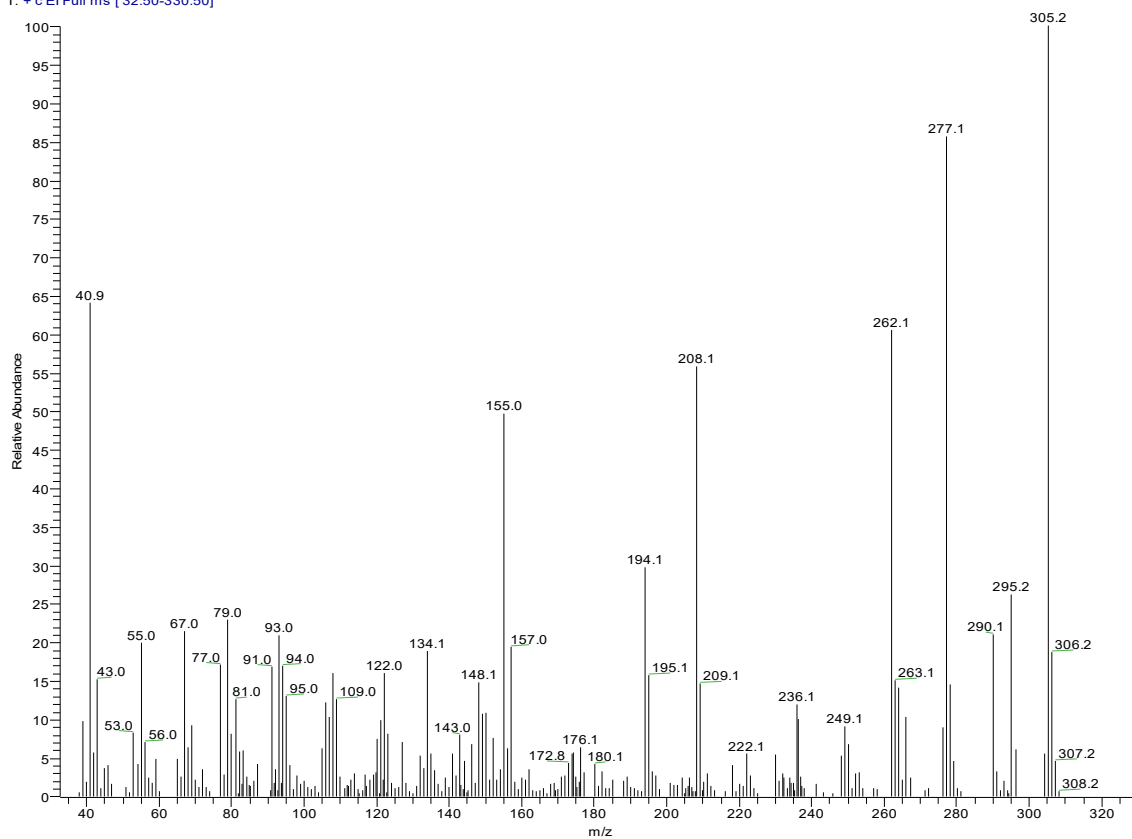
2.9. High Resolution Mass Spectra of Compound 3a

OV-17 #13 RT: 0.89 AV: 1 NL: 1.10E7
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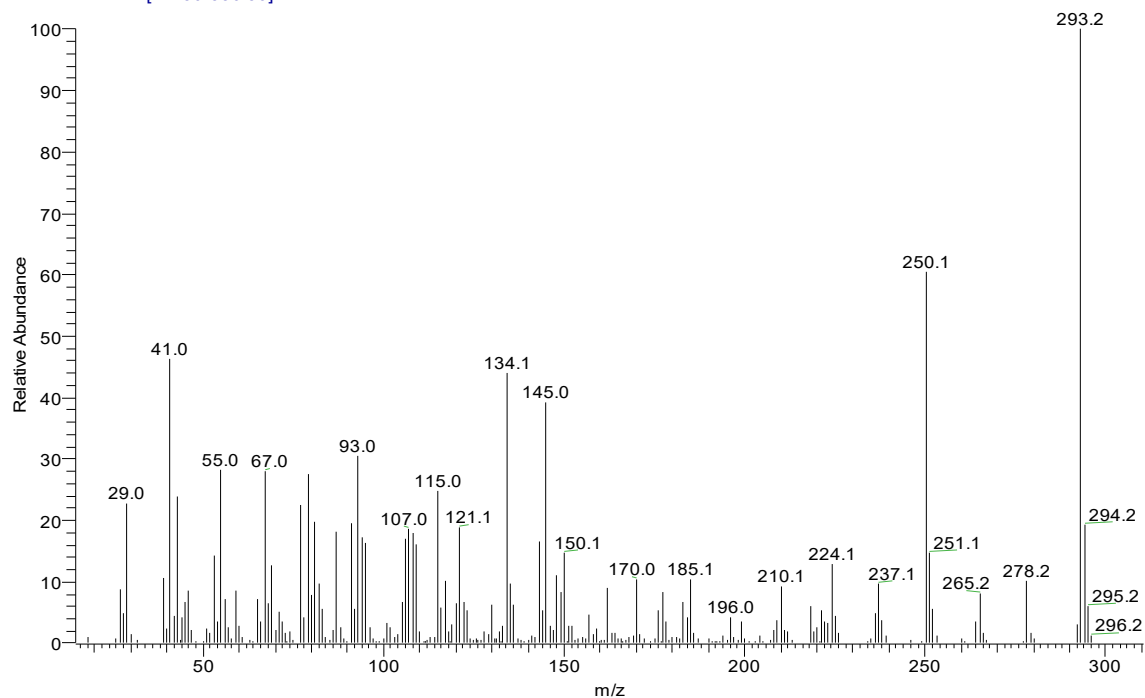
2.10. High Resolution Mass Spectra of Compound 3b

OV-18 #3 RT: 0.11 AV: 1 NL: 6.59E5
T: + c EI Full ms [32.50-330.50]



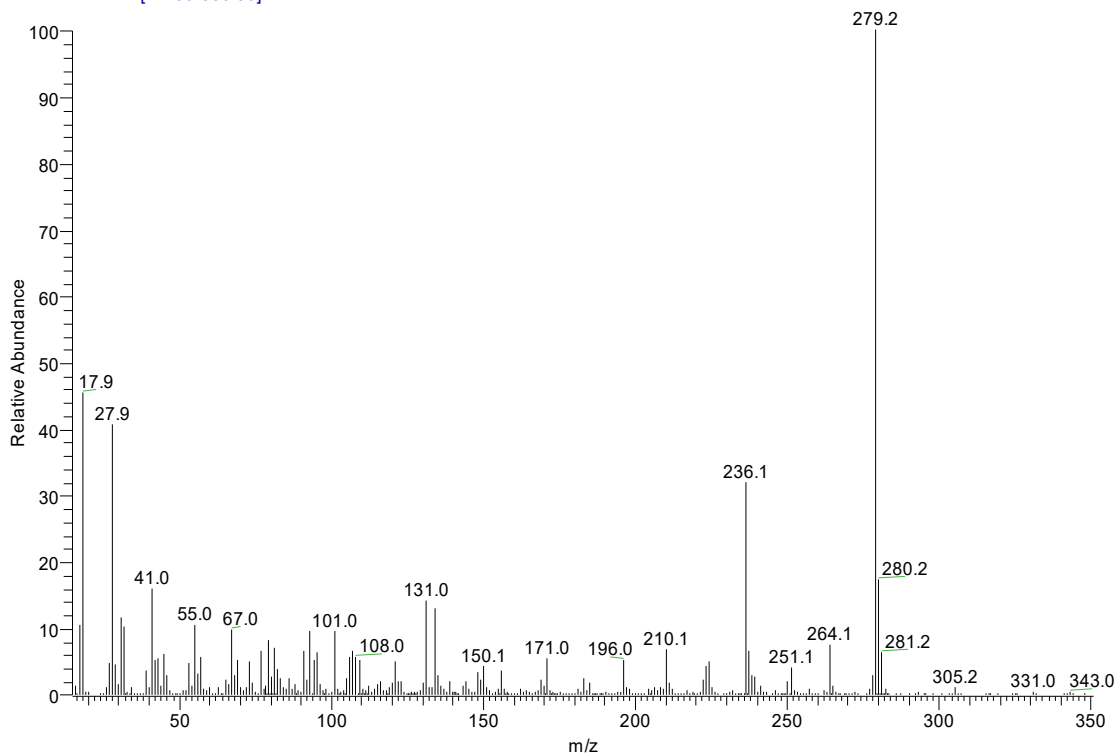
2.11. High Resolution Mass Spectra of Compound 3c

OV-13 #7 RT: 0.43 AV: 1 NL: 1.37E6
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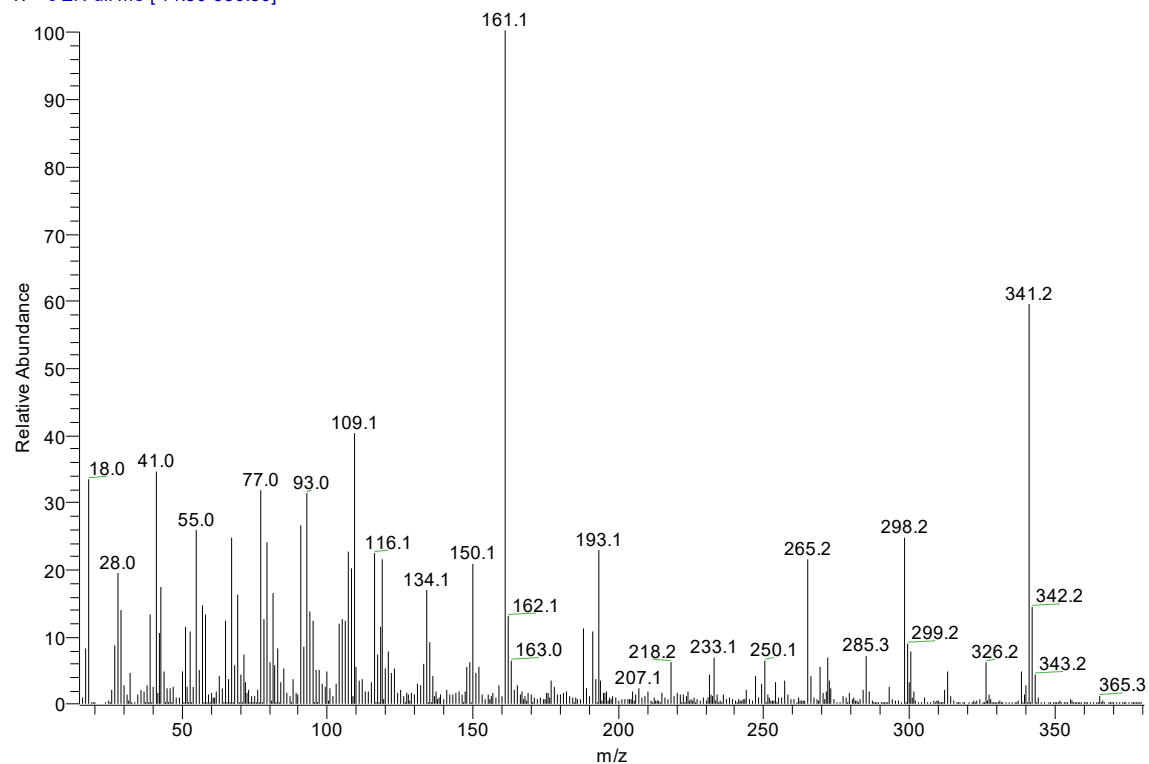
2.12. High Resolution Mass Spectra of Compound 3d

Ov_19 #5 RT: 0.29 AV: 1 NL: 9.46E6
T: + c EI Full ms [14.50-350.50]



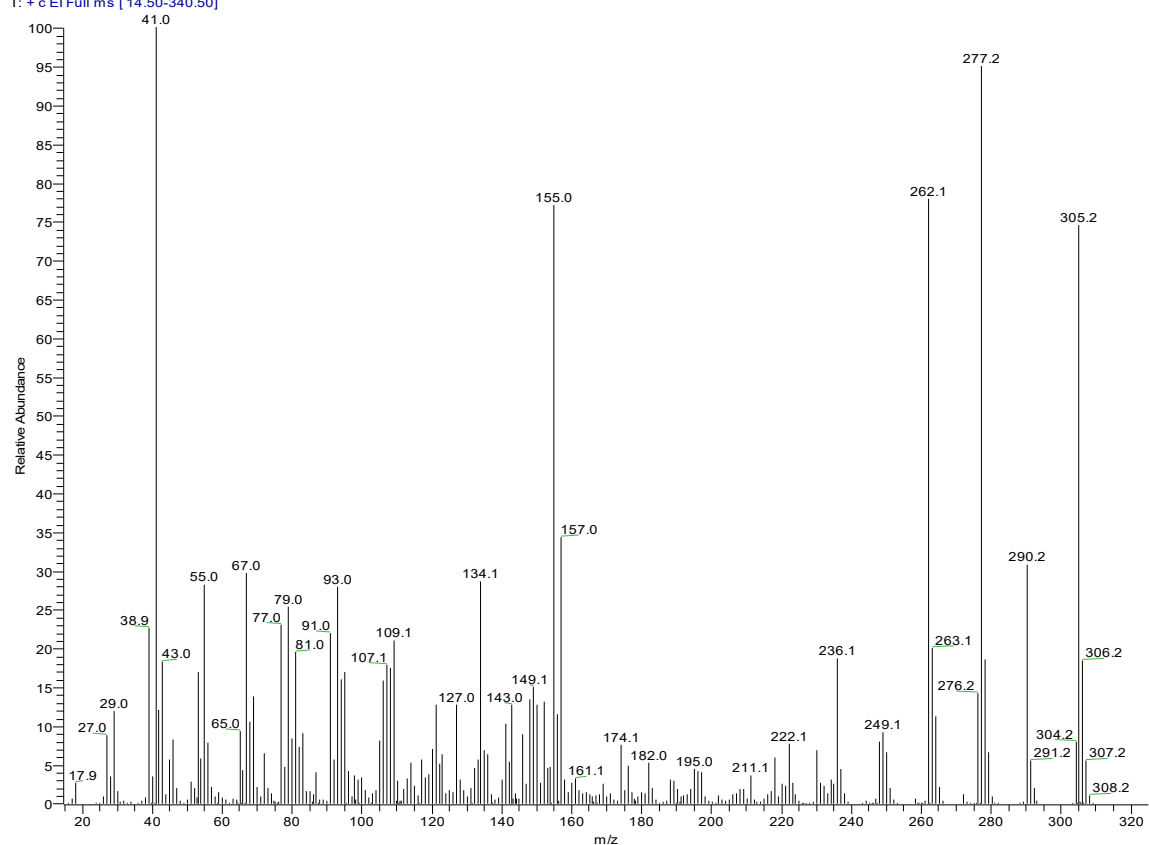
2.13. High Resolution Mass Spectra of Compound 3'a

OV-26 #12 RT: 0.97 AV: 1 NL: 9.78E6
T: +c EI Full ms [14.50-380.50]



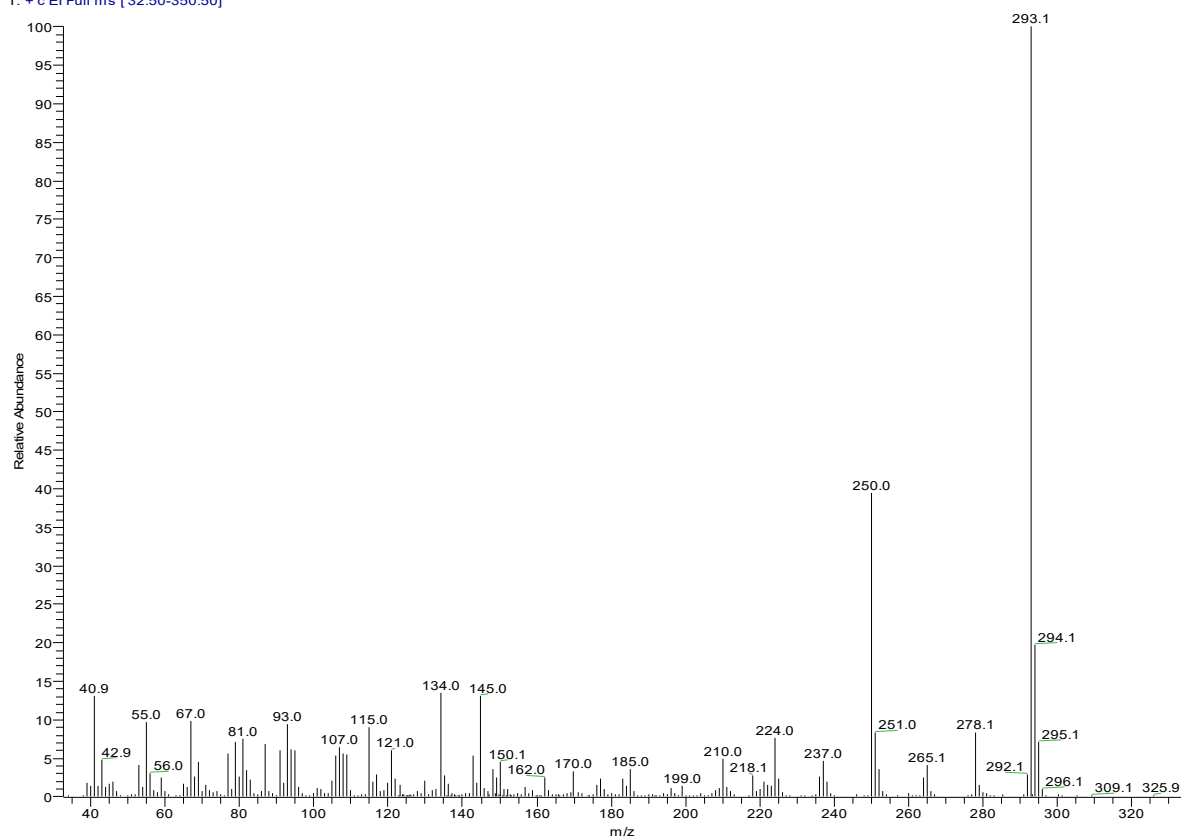
2.14. High Resolution Mass Spectra of Compound 3'b

OV-30 #4 RT: 0.22 AV: 1 NL: 5.30E6
T: +c EI Full ms [14.50-340.50]



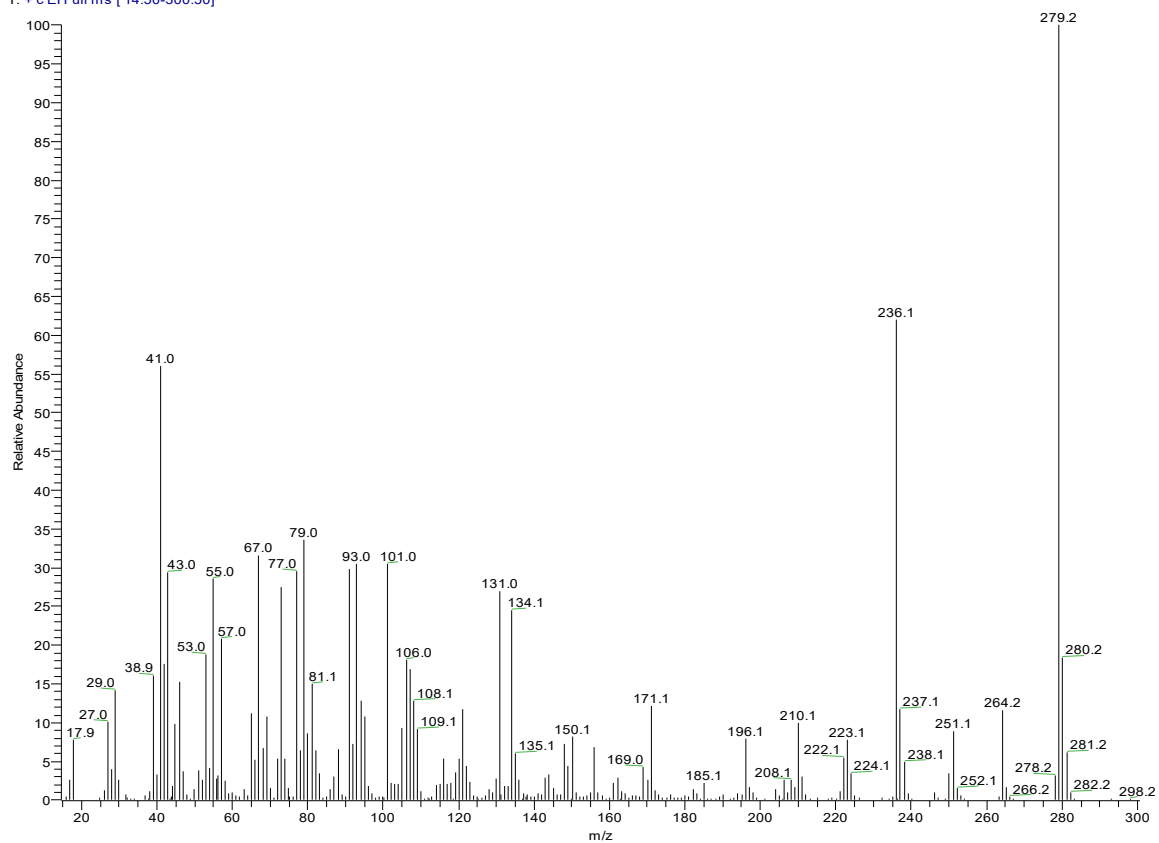
2.15. High Resolution Mass Spectra of Compound 3'c

OV-27 #3 RT: 0.11 AV: 1 NL: 4.15E6
T: + c EI Full ms [32.50-350.50]



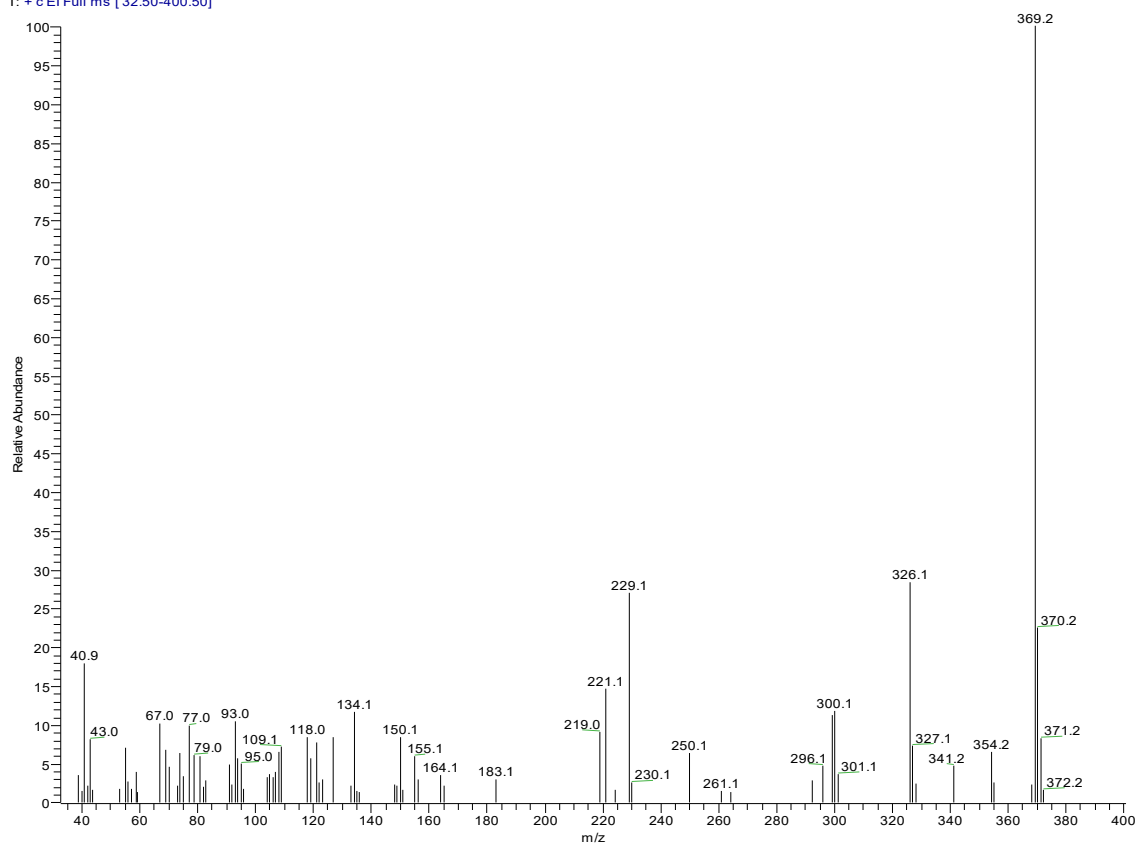
2.16. High Resolution Mass Spectra of Compound 3'd

OV-29 #3 RT: 0.21 AV: 1 NL: 2.07E6
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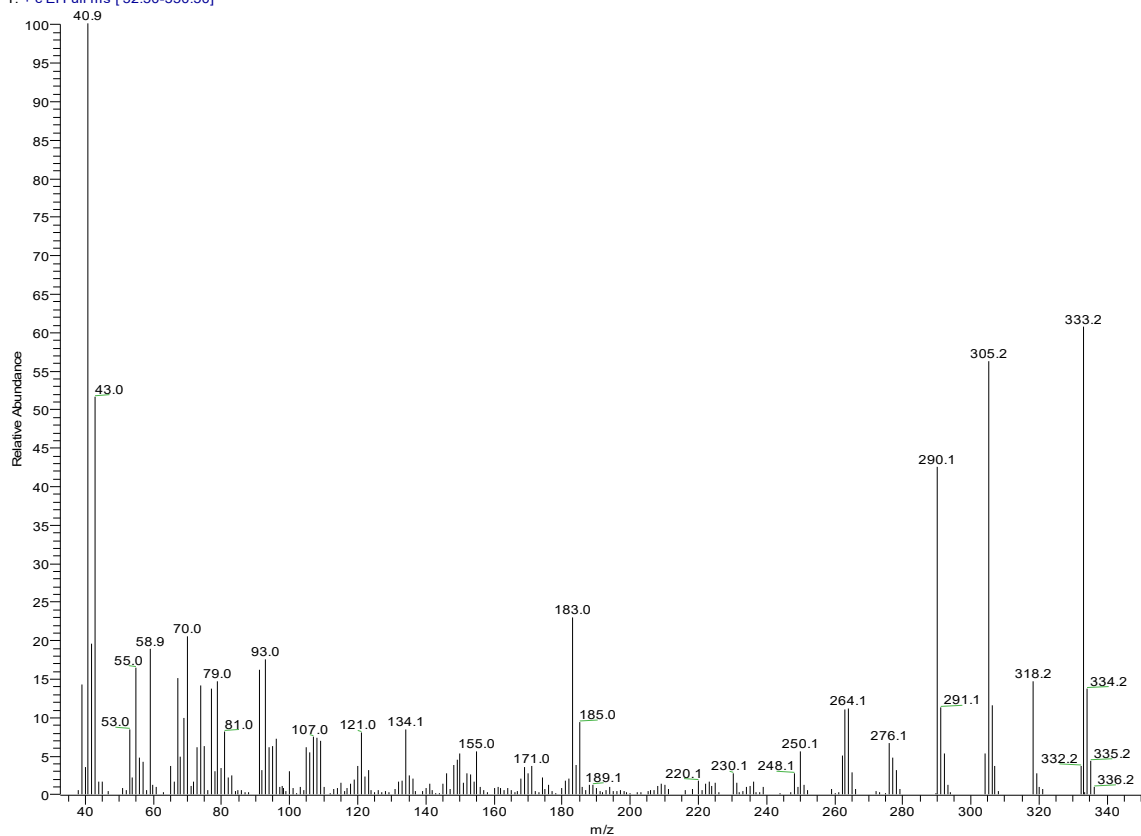
2.17. High Resolution Mass Spectra of Compound 4a

OV-58 #1 RT: 0.00 AV: 1 NL: 1.03E5
T: + c EI Full ms [32.50-400.50]



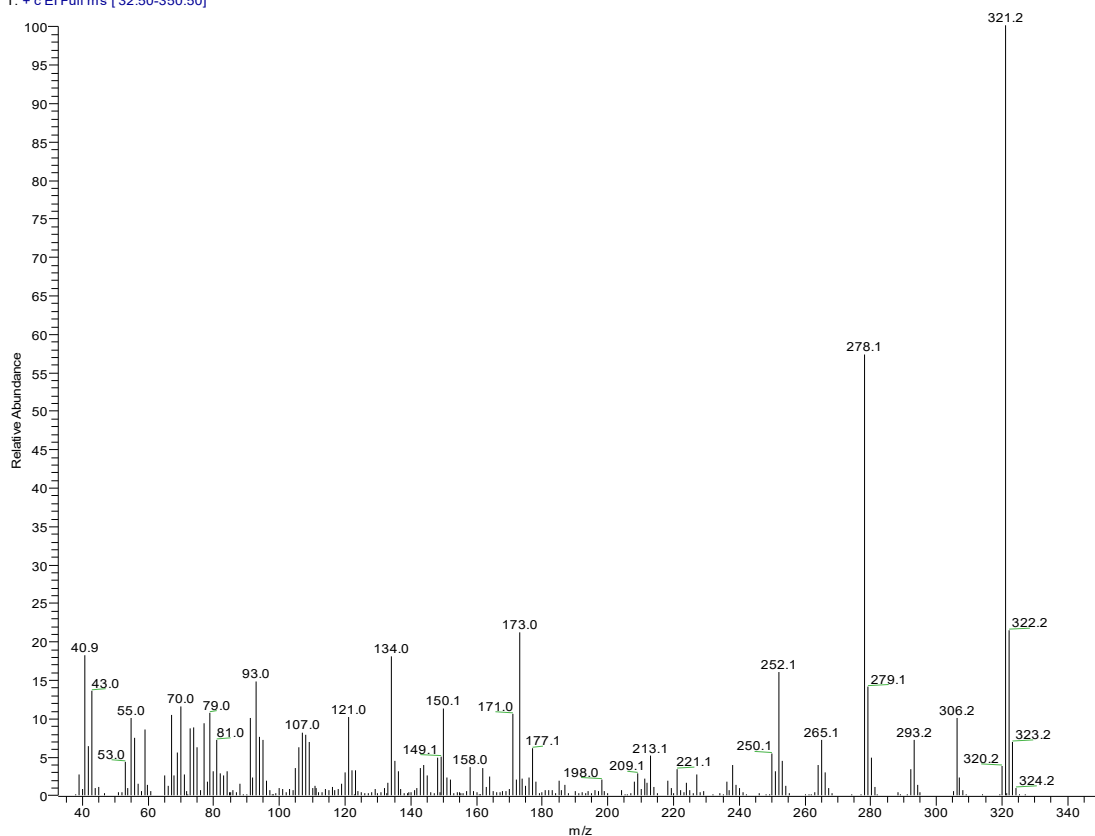
2.18. High Resolution Mass Spectra of Compound 4b

OV-57 #1 RT: 0.00 AV: 1 NL: 1.11E6
T: + c EI Full ms [32.50-350.50]



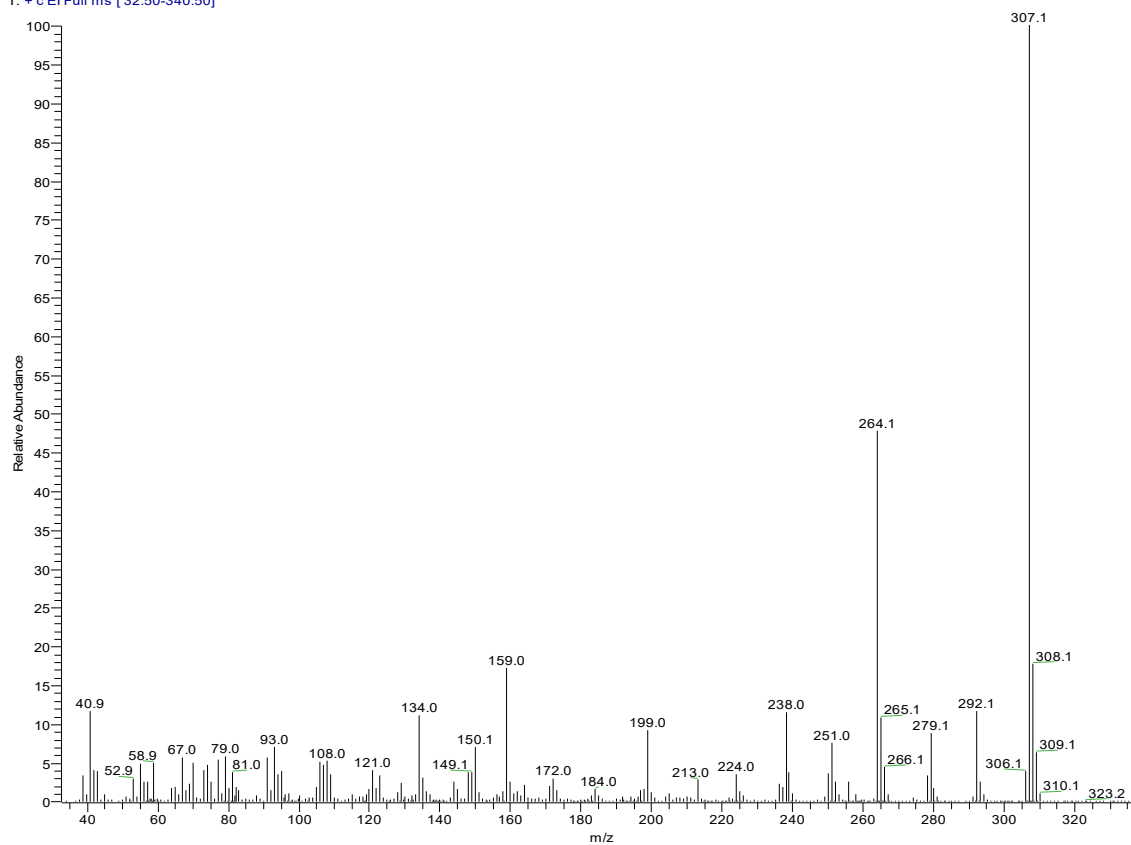
2.19. High Resolution Mass Spectra of Compound 4c

OV-59 #8 RT: 0.42 AV: 1 NL: 2.23E6
T: + c EI Full ms [32.50-350.50]



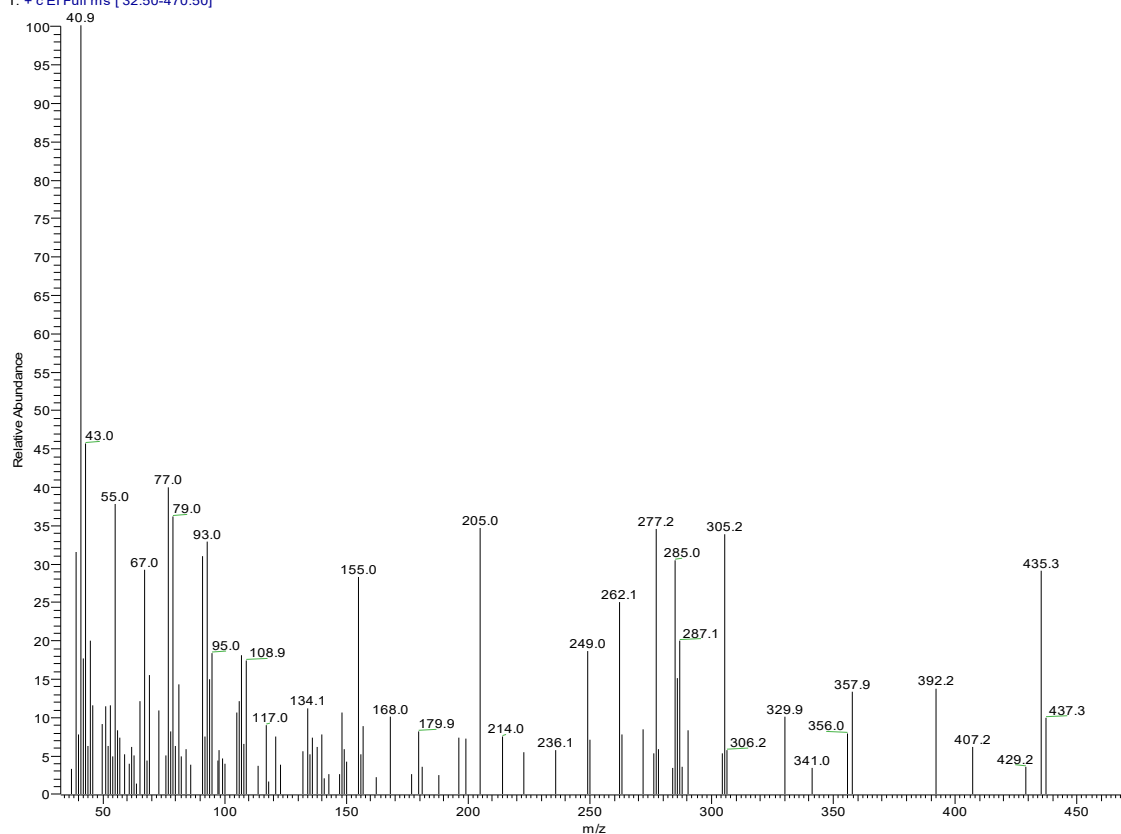
2.20. High Resolution Mass Spectra of Compound 4d

OV-52 #4 RT: 0.17 AV: 1 NL: 1.74E7
T: + c EI Full ms [32.50-340.50]



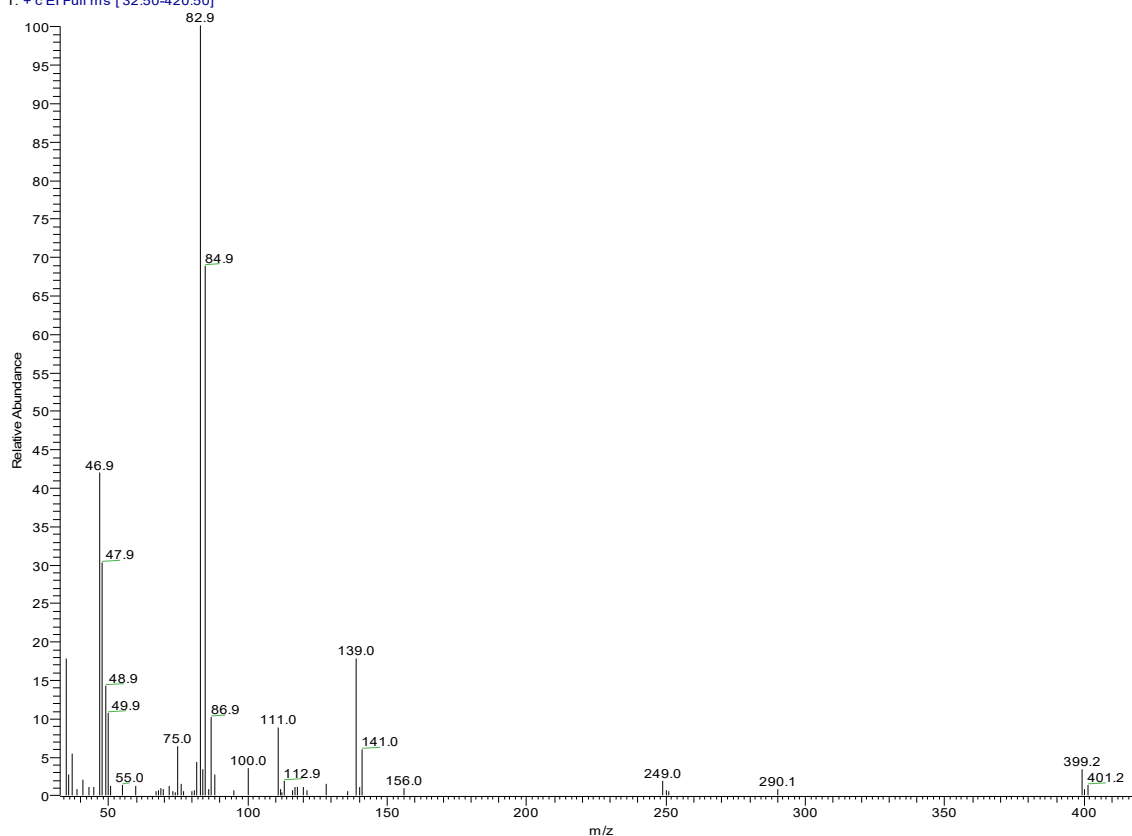
2.21. High Resolution Mass Spectra of Compound 5a

OV-40 #10 RT: 0.71 AV: 1 NL: 4.80E4
T: + c EI Full ms [32.50-470.50]



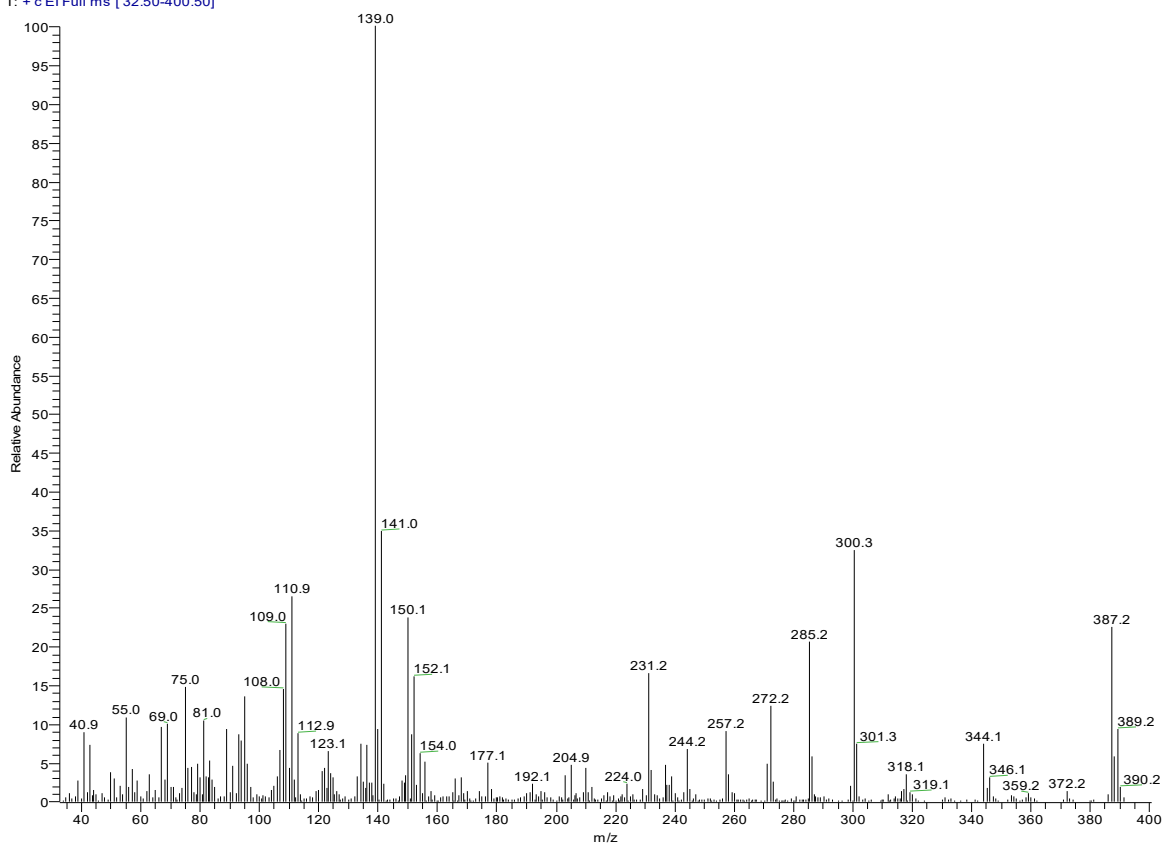
2.22. High Resolution Mass Spectra of Compound 5b

OV-41_210225182304 #2 RT: 0.06 AV: 1 NL: 3.12E5
T: + c EI Full ms [32.50-420.50]



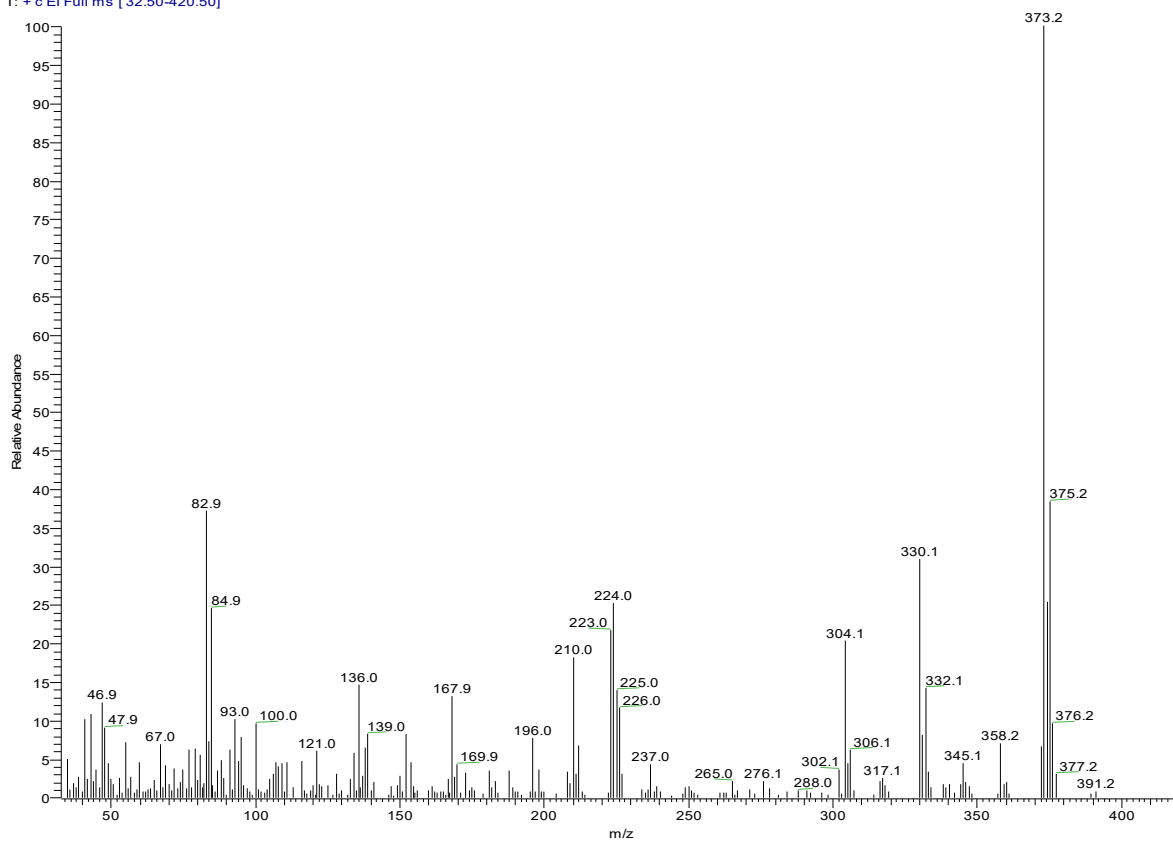
2.23. High Resolution Mass Spectra of Compound 5c

OV-44 #3 RT: 0.12 AV: 1 NL: 2.74E6
T: + c EI Full ms [32.50-400.50]



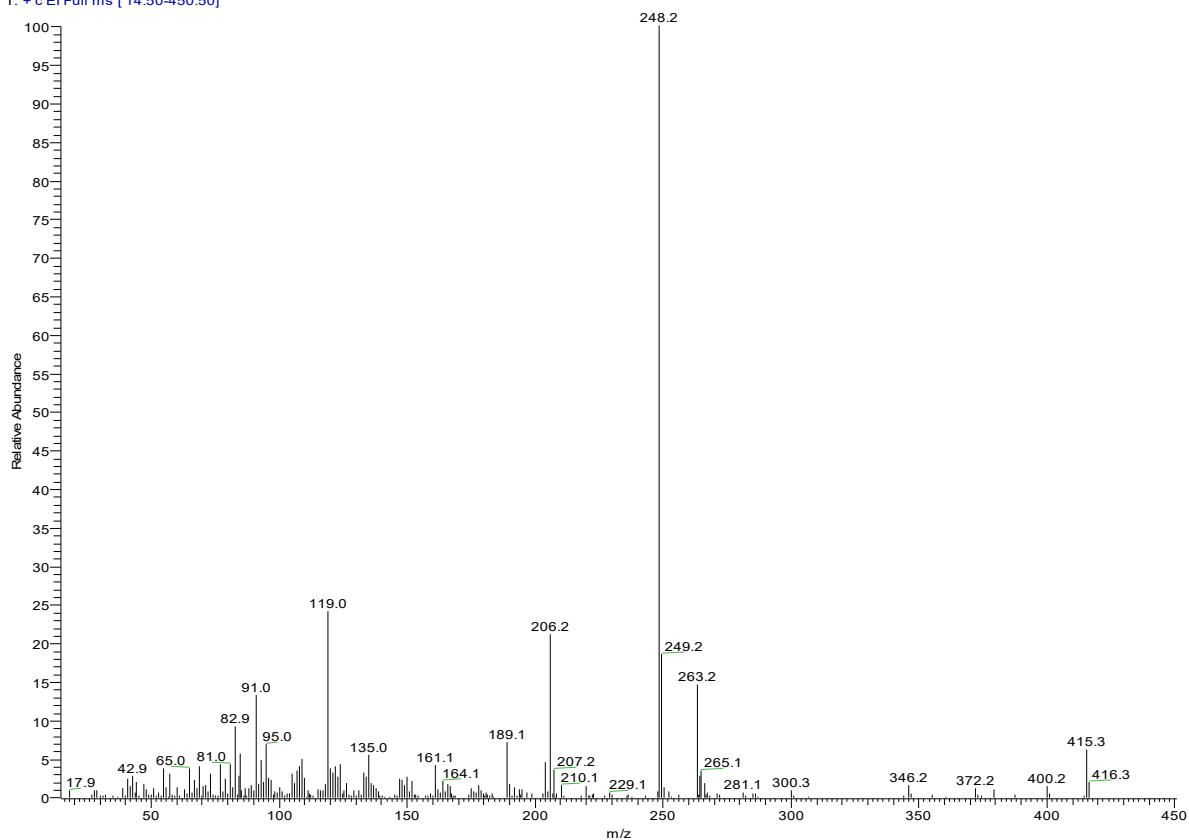
2.24. High Resolution Mass Spectra of Compound 5d

OV-42_210225181236 #3 RT: 0.12 AV: 1 NL: 4.31E5
T: + c EI Full ms [32.50-420.50]



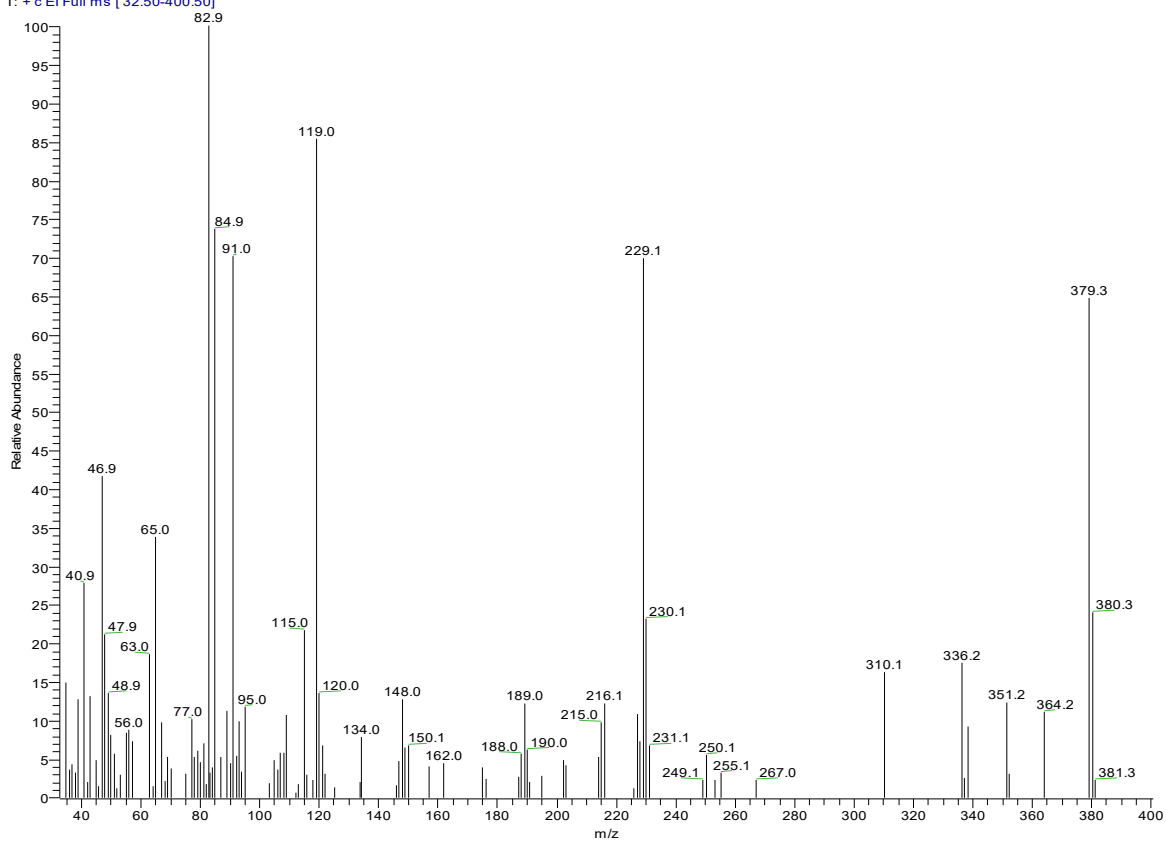
2.25. High Resolution Mass Spectra of Compound 6a

OV-47 #4 RT: 0.24 AV: 1 NL: 1.96E6
T: + c EI Full ms [14.50-450.50]



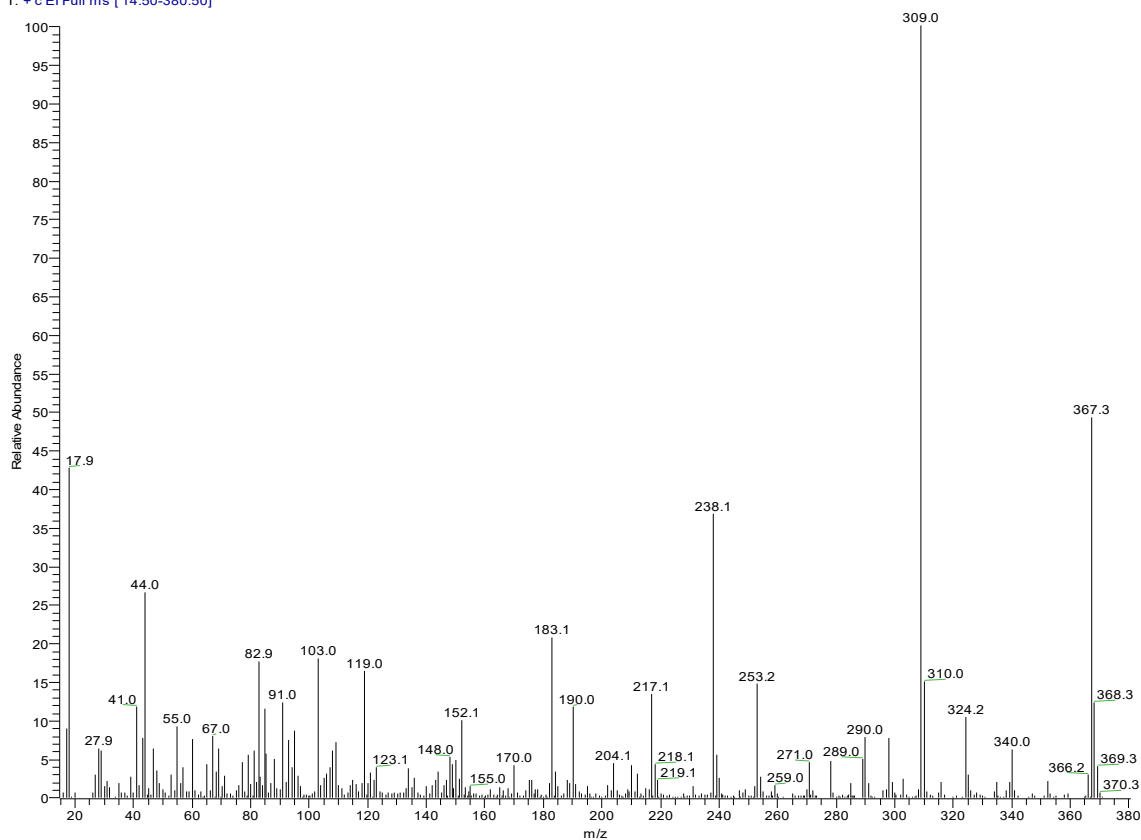
2.26. High Resolution Mass Spectra of Compound 6b

OV_46_#4 RT: 0.18 AV: 1 NL: 2.75E5
T: + c EI Full ms [32.50-400.50]



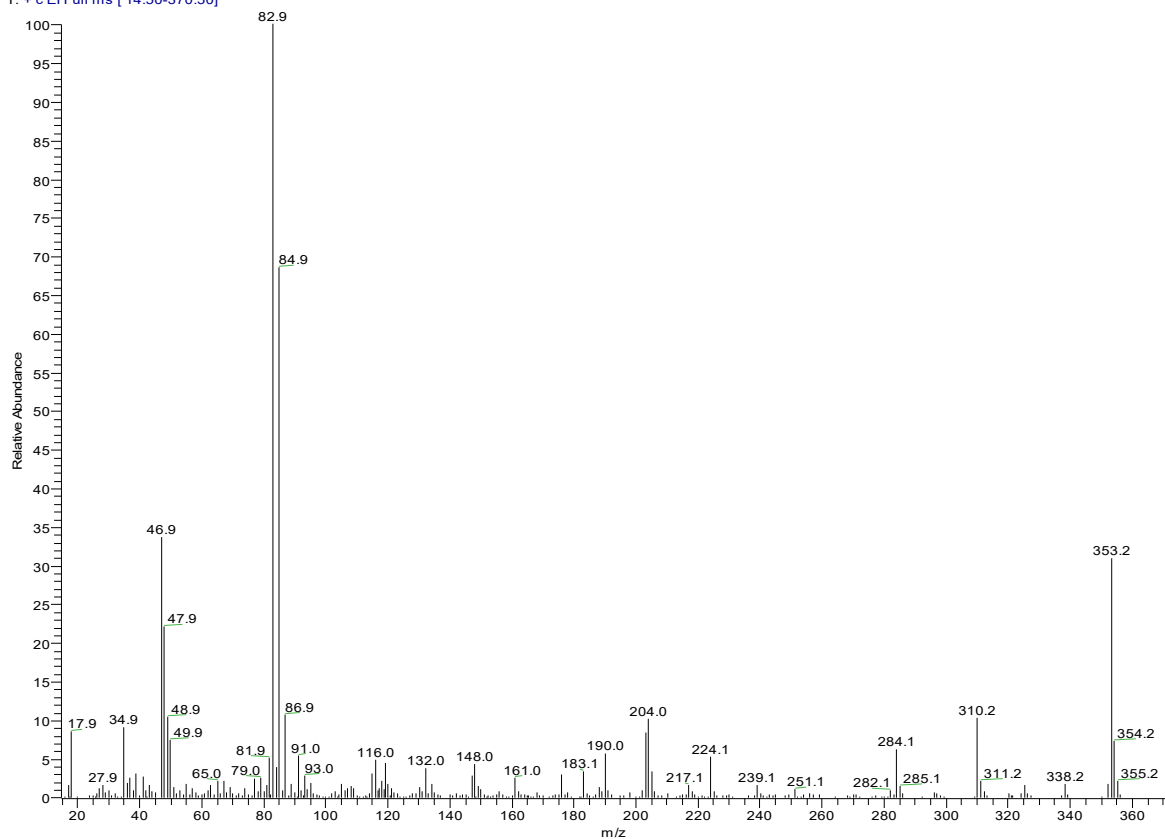
2.27. High Resolution Mass Spectra of Compound 6c

ov-50 #20 RT: 1.39 AV: 1 NL: 2.62E6
T: + c EI Full ms [14.50-380.50]



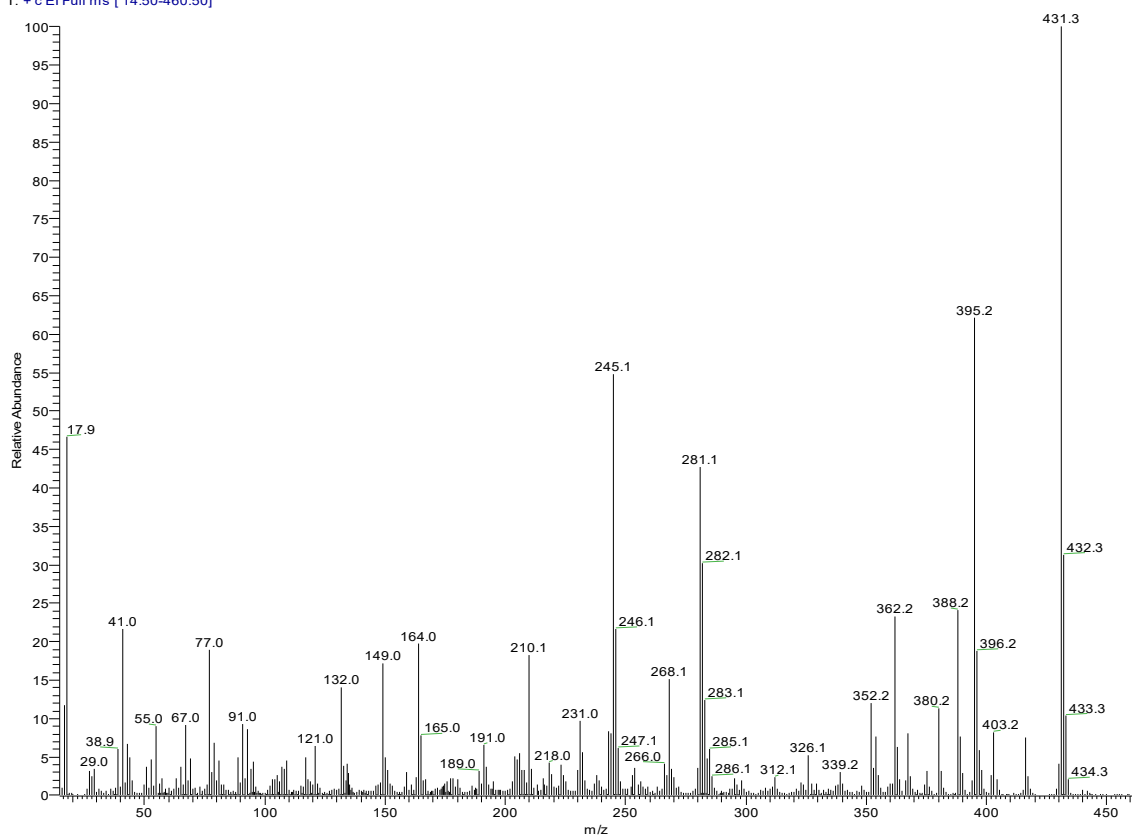
2.28. High Resolution Mass Spectra of Compound 6d

OV-45-pm #2 RT: 0.08 AV: 1 NL: 2.47E6
T: + c EI Full ms [14.50-370.50]



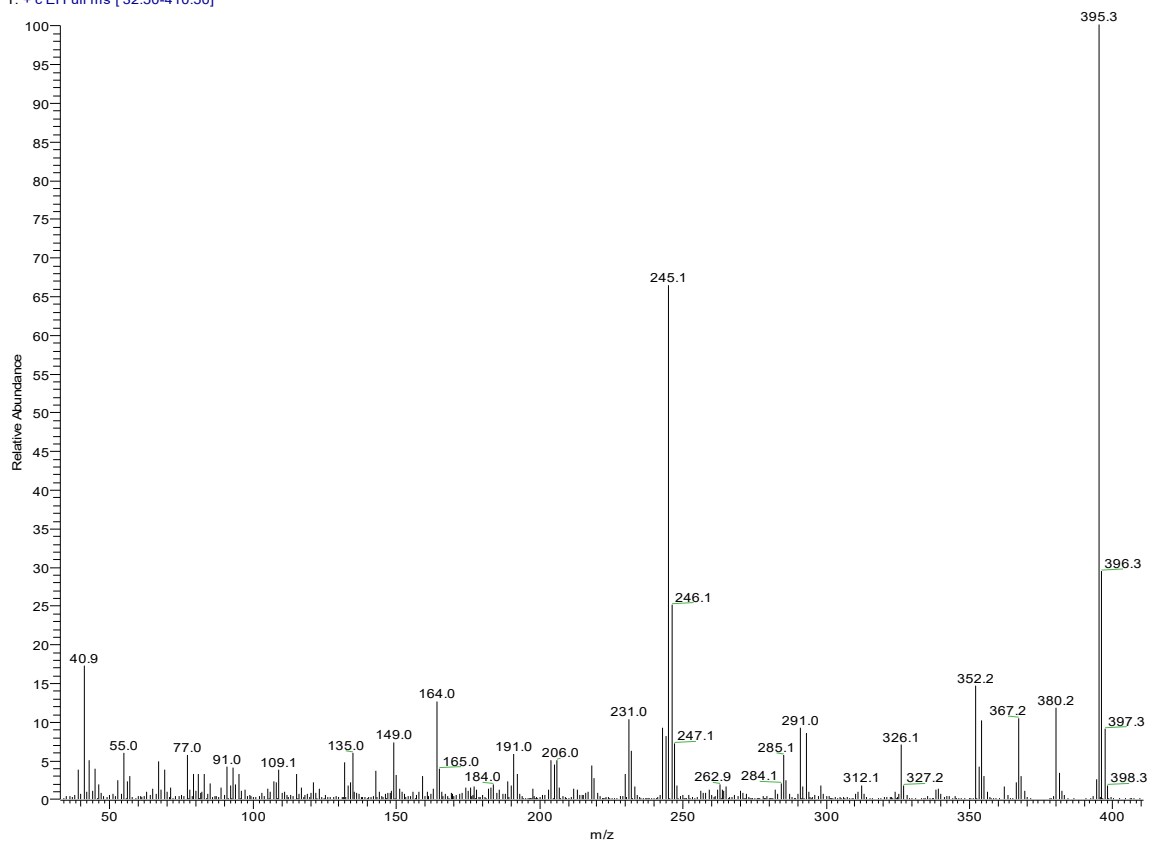
2.29. High Resolution Mass Spectra of Compound 7a

OV-53 #10 RT: 0.79 AV: 1 NL: 7.47E6
T: + c EI Full ms [14.50-460.50]



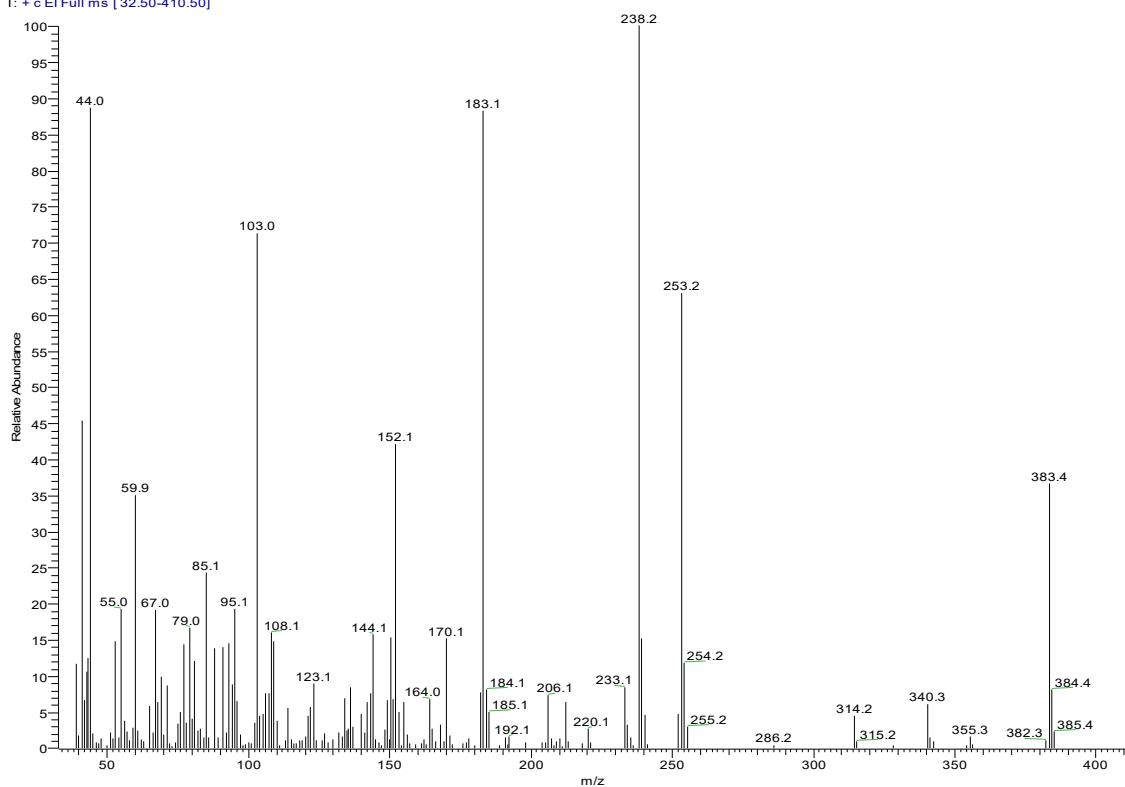
2.30. High Resolution Mass Spectra of Compound 7b

OV-54 #2 RT: 0.06 AV: 1 NL: 4.35E6
T: + c EI Full ms [32.50-410.50]



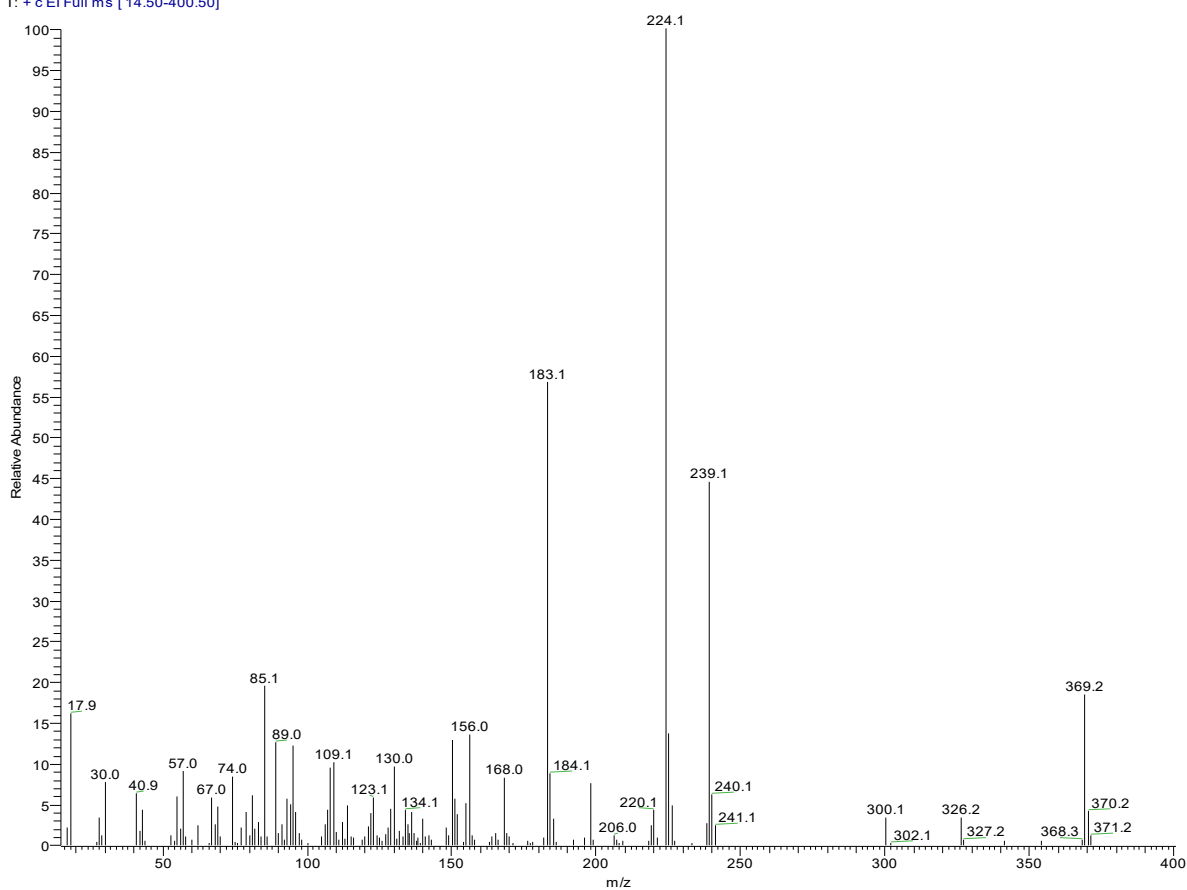
2.31. High Resolution Mass Spectra of Compound 7c

OV-55 #16 RT: 0.92 AV: 1 NL: 4.70E5
T: + c EI Full ms [32.50-410.50]



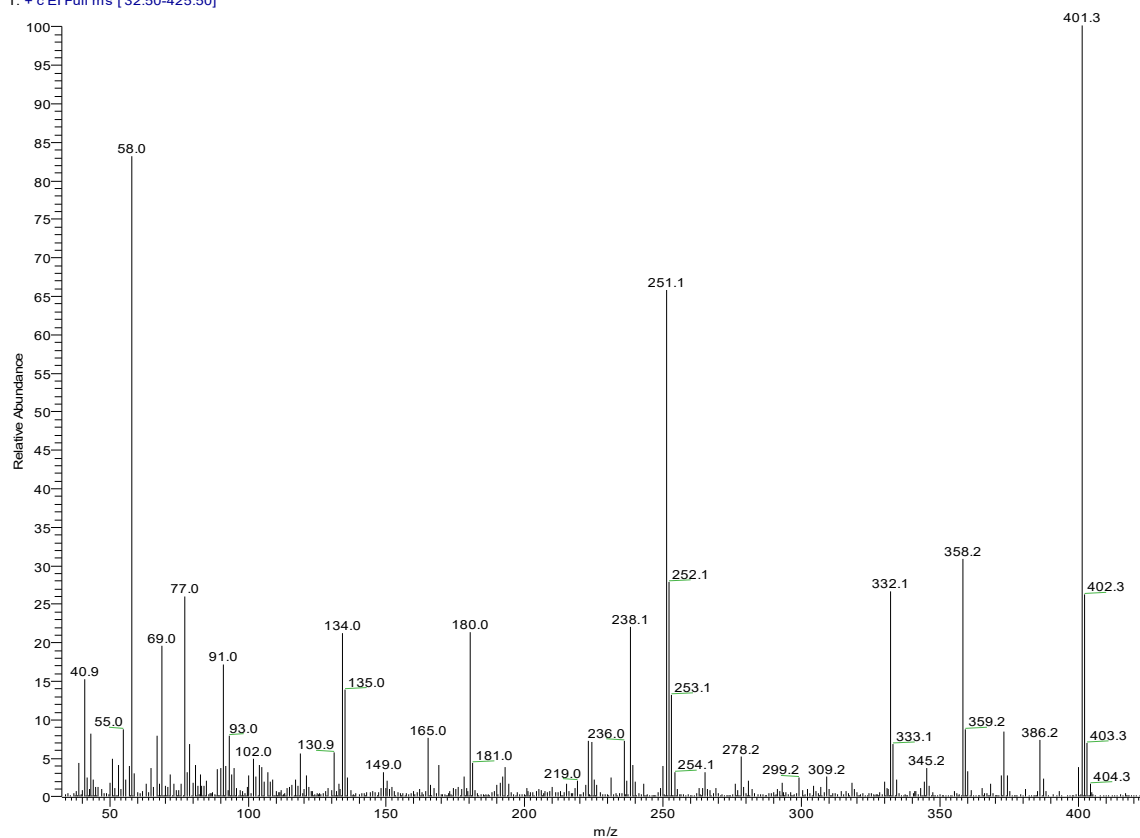
2.32. High Resolution Mass Spectra of Compound 7d

OV-56 #6 RT: 0.38 AV: 1 NL: 2.82E5
T: + c EI Full ms [14.50-400.50]



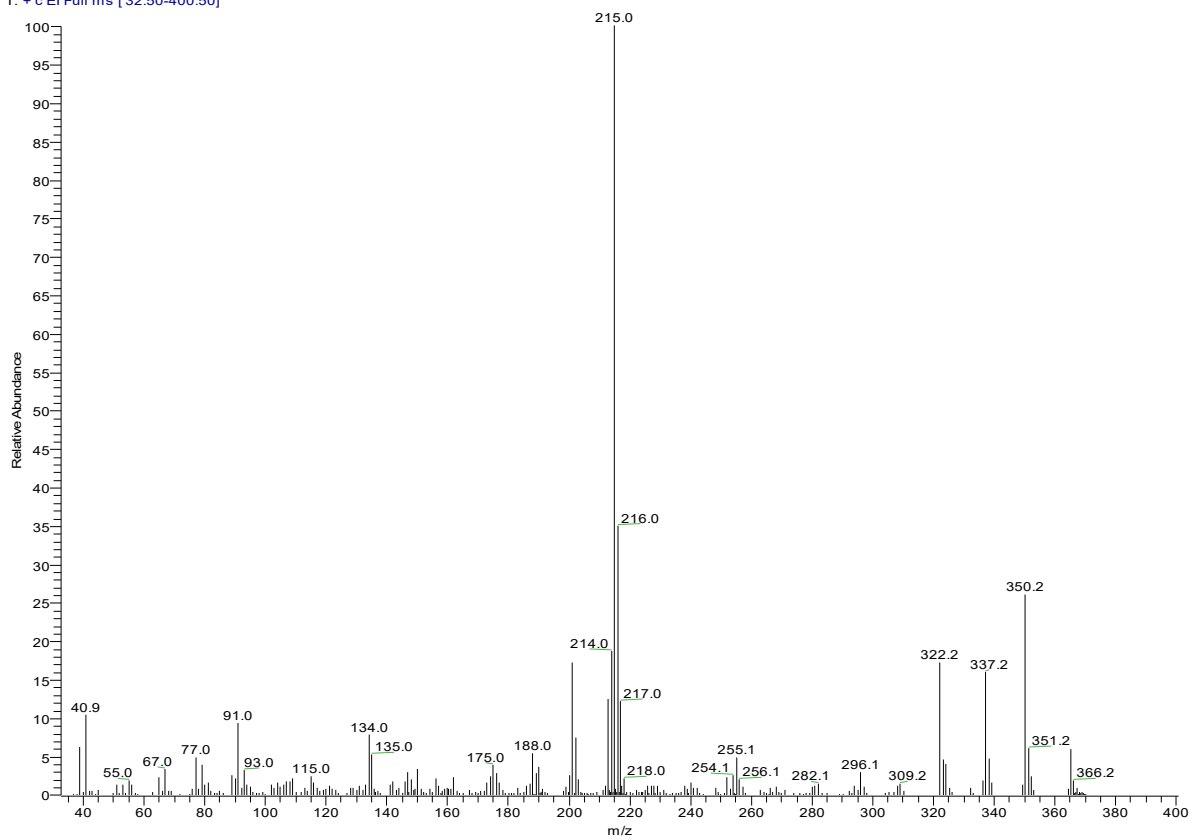
2.33. High Resolution Mass Spectra of Compound 8a

OV-28 #10 RT: 0.56 AV: 1 NL: 4.44E7
T: + c EI Full ms [32.50-425.50]



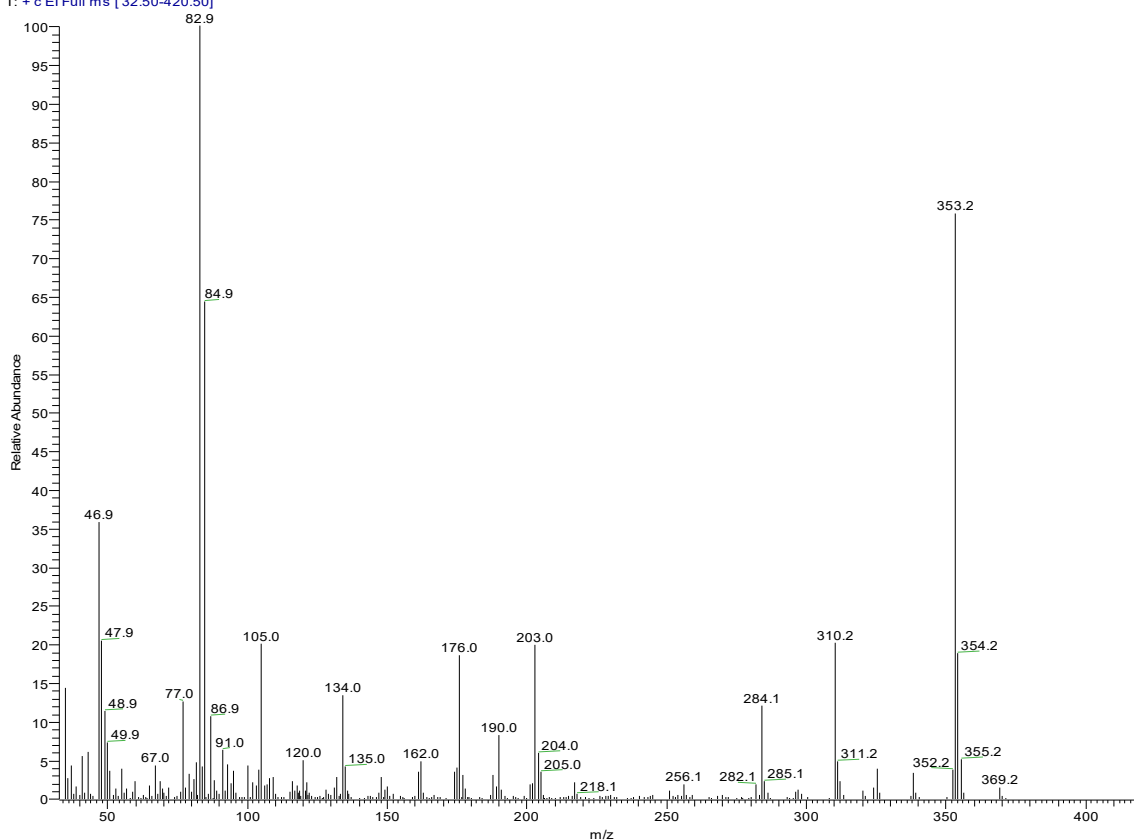
2.34. High Resolution Mass Spectra of Compound 8b

OV-31 #5 RT: 0.24 AV: 1 NL: 3.06E6
T: + c EI Full ms [32.50-400.50]



2.35. High Resolution Mass Spectra of Compound 8c

OV_210225180658 #3 RT: 0.12 AV: 1 NL: 1.30E6
T: + c EI Full ms [32.50-420.50]



2.36. High Resolution Mass Spectra of Compound 8d

OV-32 #6 RT: 0.34 AV: 1 NL: 1.27E7
T: + c EI Full ms [32.50-380.50]

