

Supplementary Materials

Synthesis of New 1-Aryl-2-(3,5-dimethylpyrazol-1-yl)ethanone Oxime Ether Derivatives and Investigation of their Cytotoxic Effects

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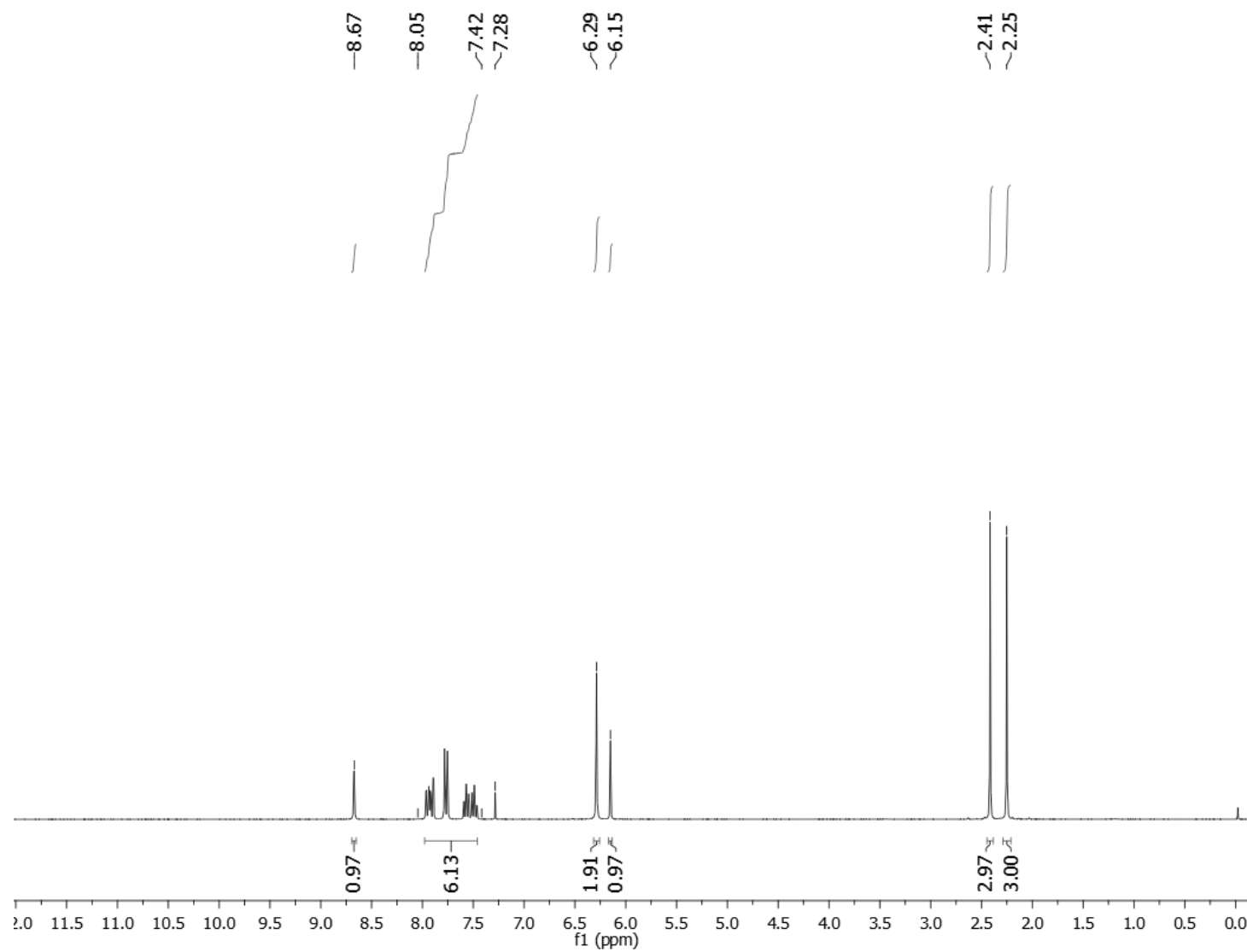
Table S1

% Viability findings of synthesized compounds in L929 cell line

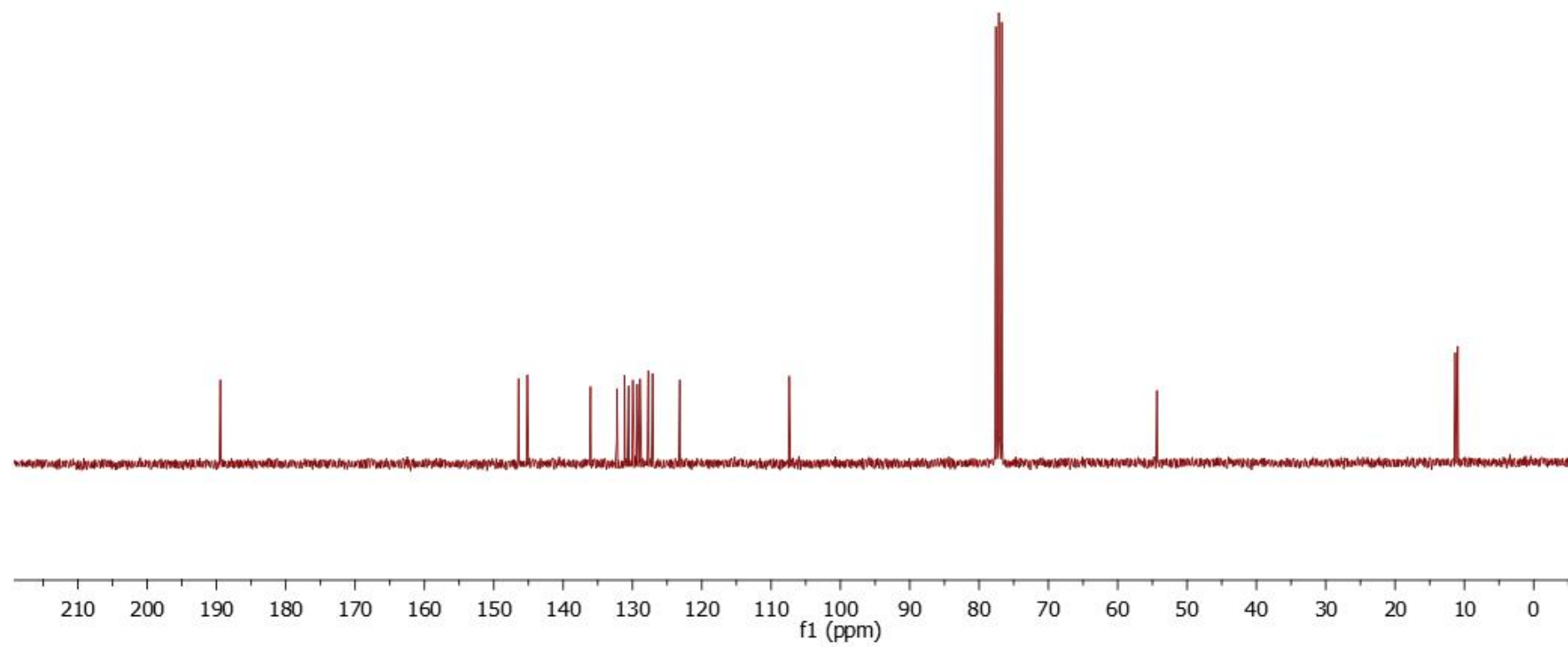
	10 μM	25 μM	50 μM	100 μM
2a	79.46	93.68	94.88	108.49
3a	88.84	99.30	101.09	110.39
4a	83.41	88.57	86.63	98.45
5a	90.81	95.66	101.20	96.24
2b	88.10	98.14	103.72	103.45
3b	83.06	94.77	94.69	99.65
4b	72.52	91.86	96.32	107.29
5b	98.45	101.01	102.17	115.74
2c	94.92	100.12	96.47	112.44
3c	87.05	93.95	93.10	104,30
4c	92.52	99.11	101.47	96.47
5c	88.91	91.74	103.26	91.36
2d	86.47	93.33	79.84	94.50
3d	80.08	92.33	101.43	105.31
4d	90.93	102.21	101.40	100.97
5d	83.99	92.67	97.02	91.32
2e	94.77	88.84	98.37	92.52
3e	99.03	90.70	104.92	98.84
4e	91.47	84.03	84.07	93.45
5e	83.72	95.27	98.18	95.74
2f	93.80	100.43	105.58	107.98
3f	94.07	100.58	106.20	105.19
4f	90.23	92.91	94.50	97.48
5f	99.30	99.07	94.92	95.58

Supplementary Figures (Data 1~72). ^1H -NMR, ^{13}C -NMR, and Mass spectra of the compounds tested

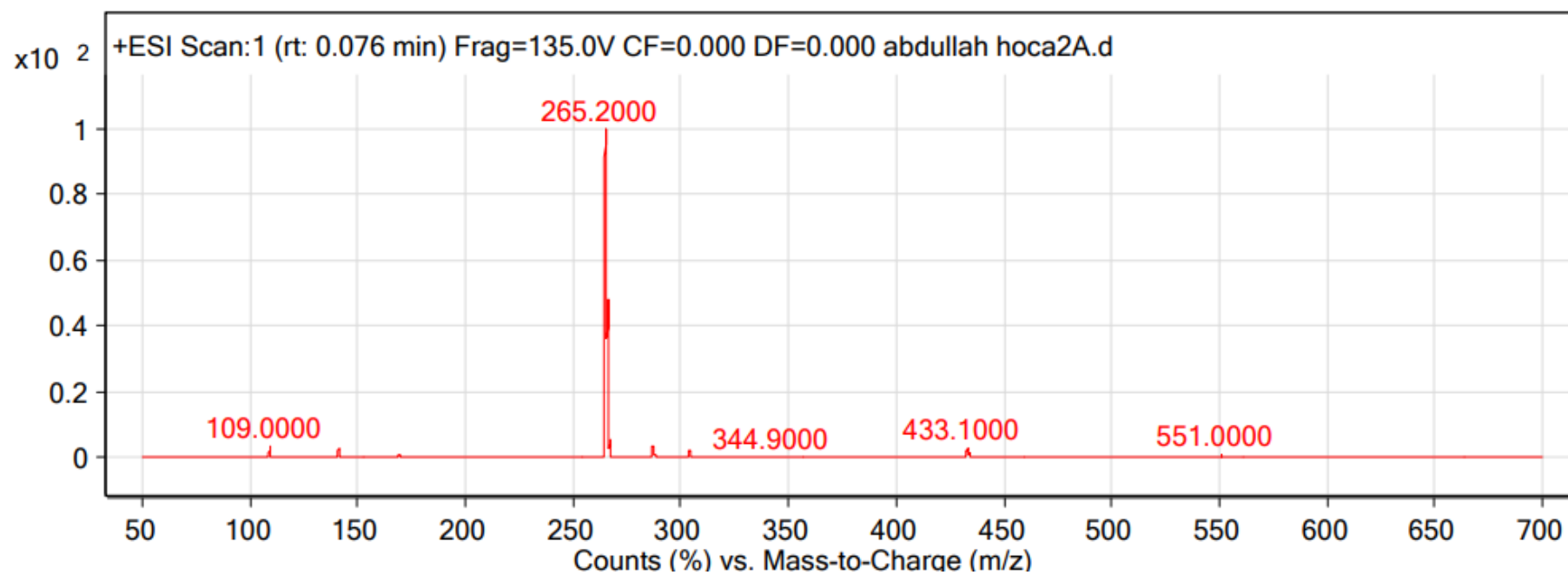
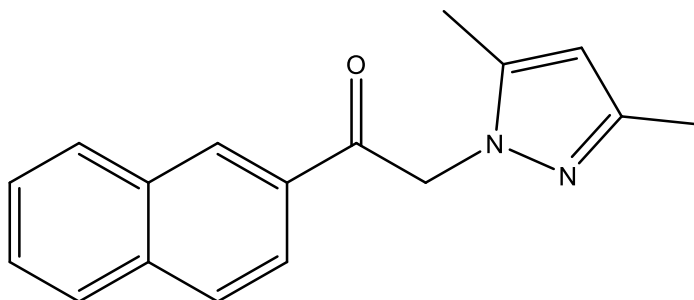
Data 1. ^1H -NMR spectrum of compound 2a



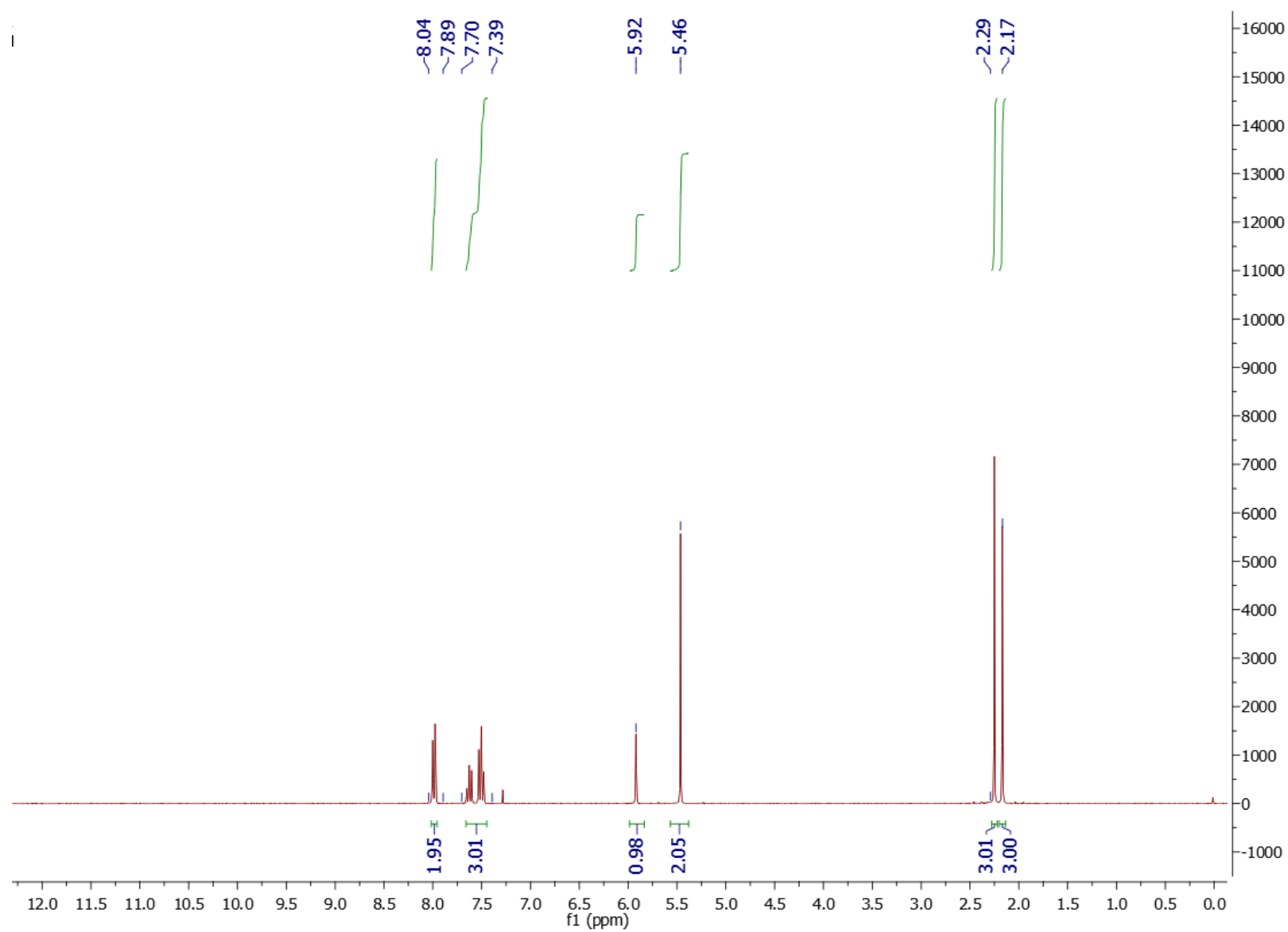
Data 2. ^{13}C -NMR spectrum of compound 2a



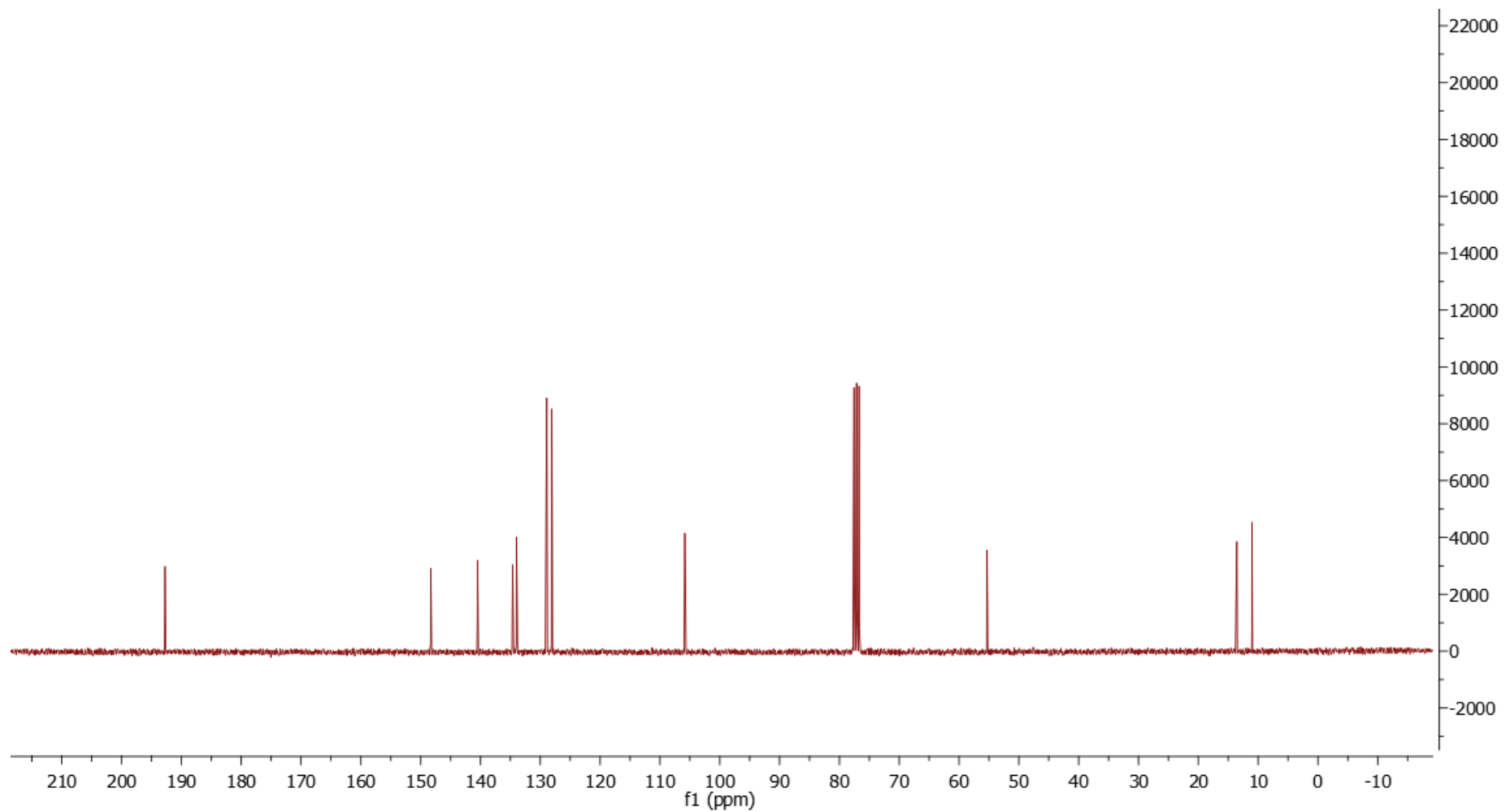
Data 3. Mass spectrum of compound 2a



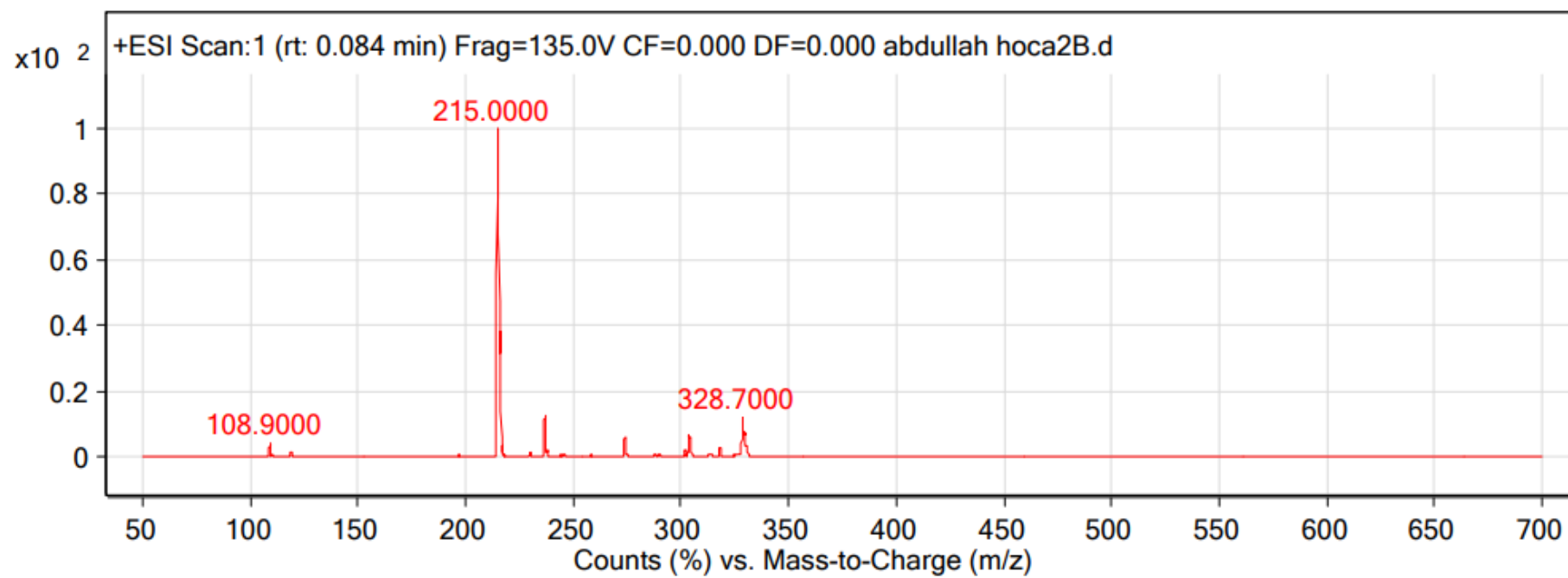
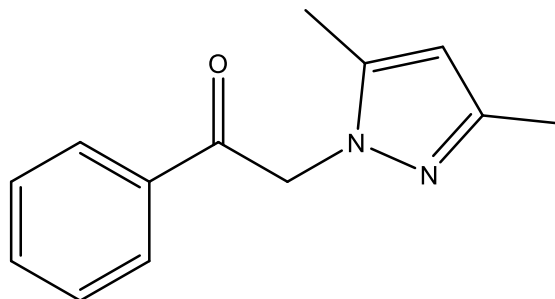
Data 4. ^1H -NMR spectrum of compound 2b



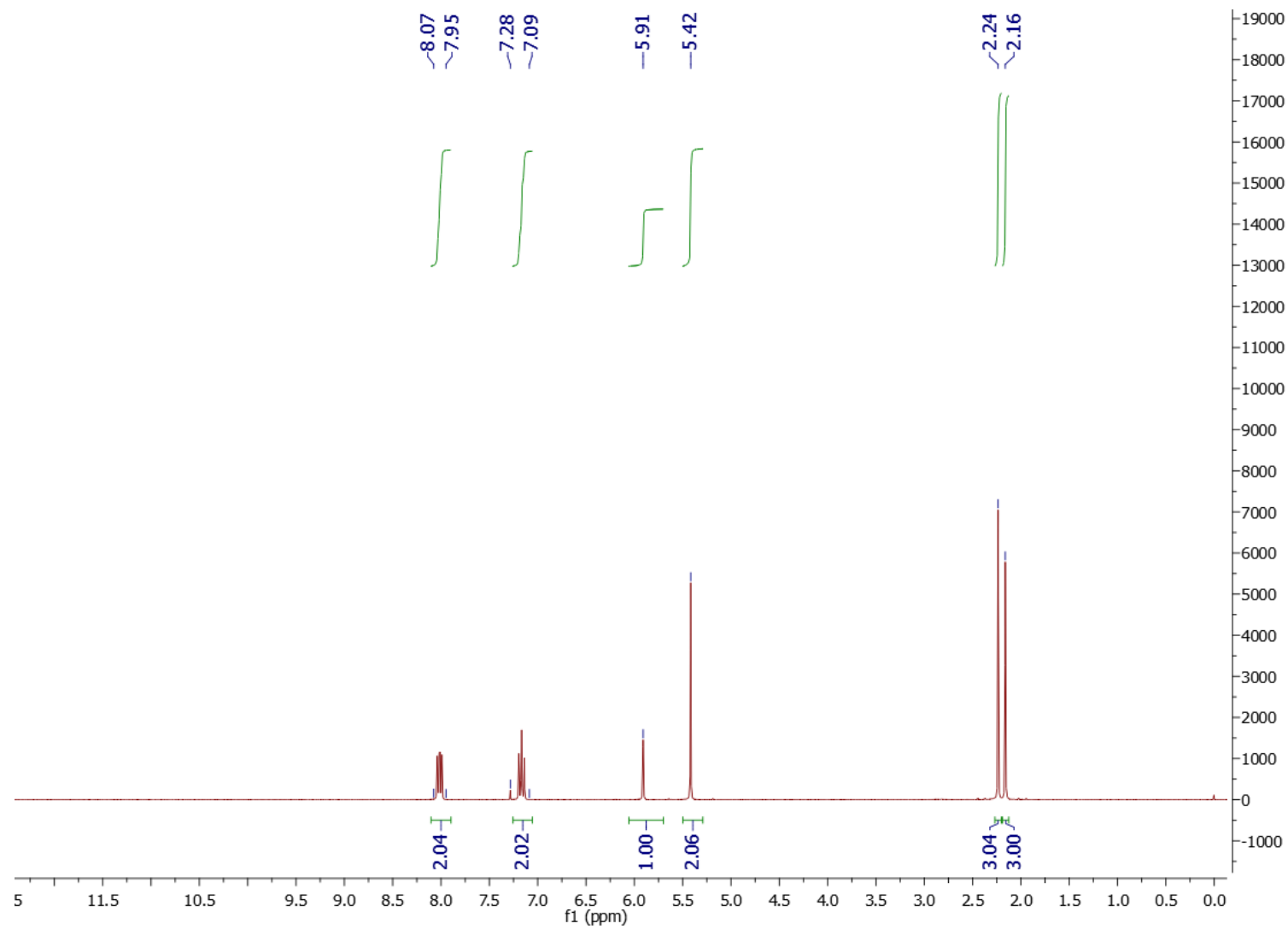
Data 5. ^{13}C -NMR spectrum of compound 2b



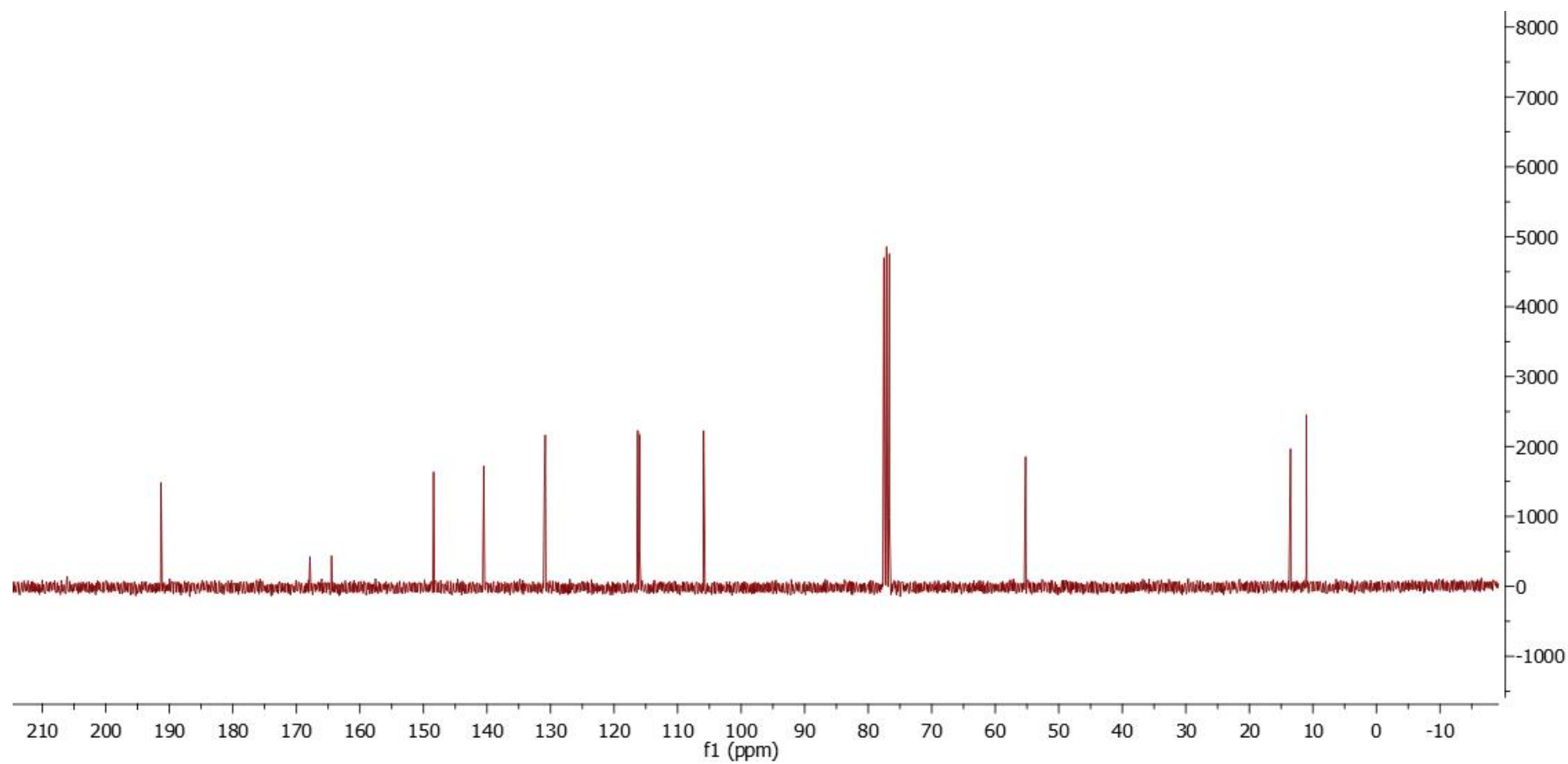
Data 6. Mass spectrum of compound 2b



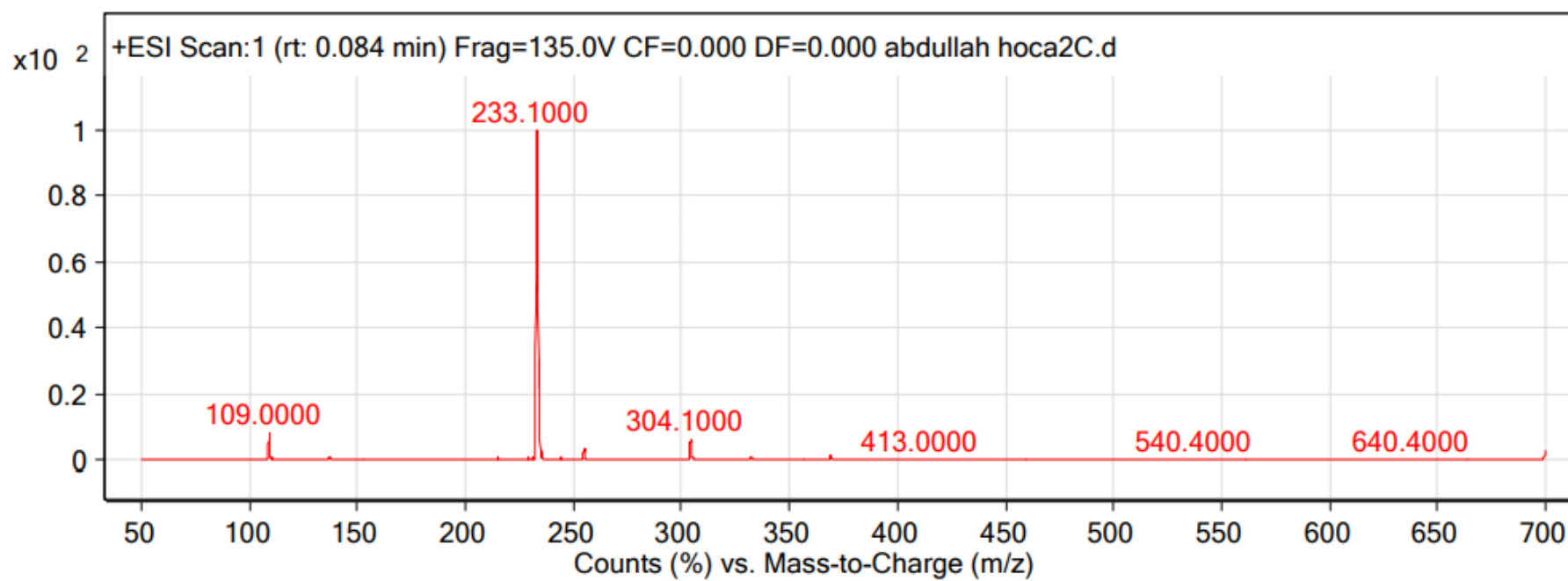
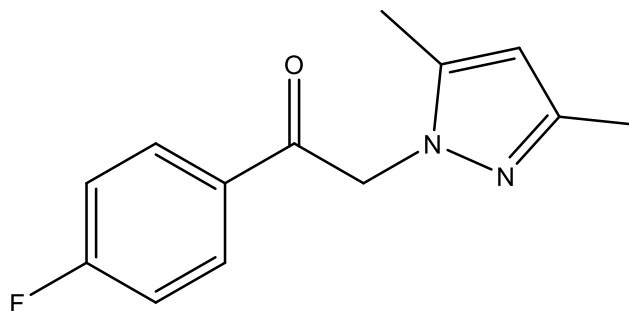
Data 7. ^1H -NMR spectrum of compound 2c



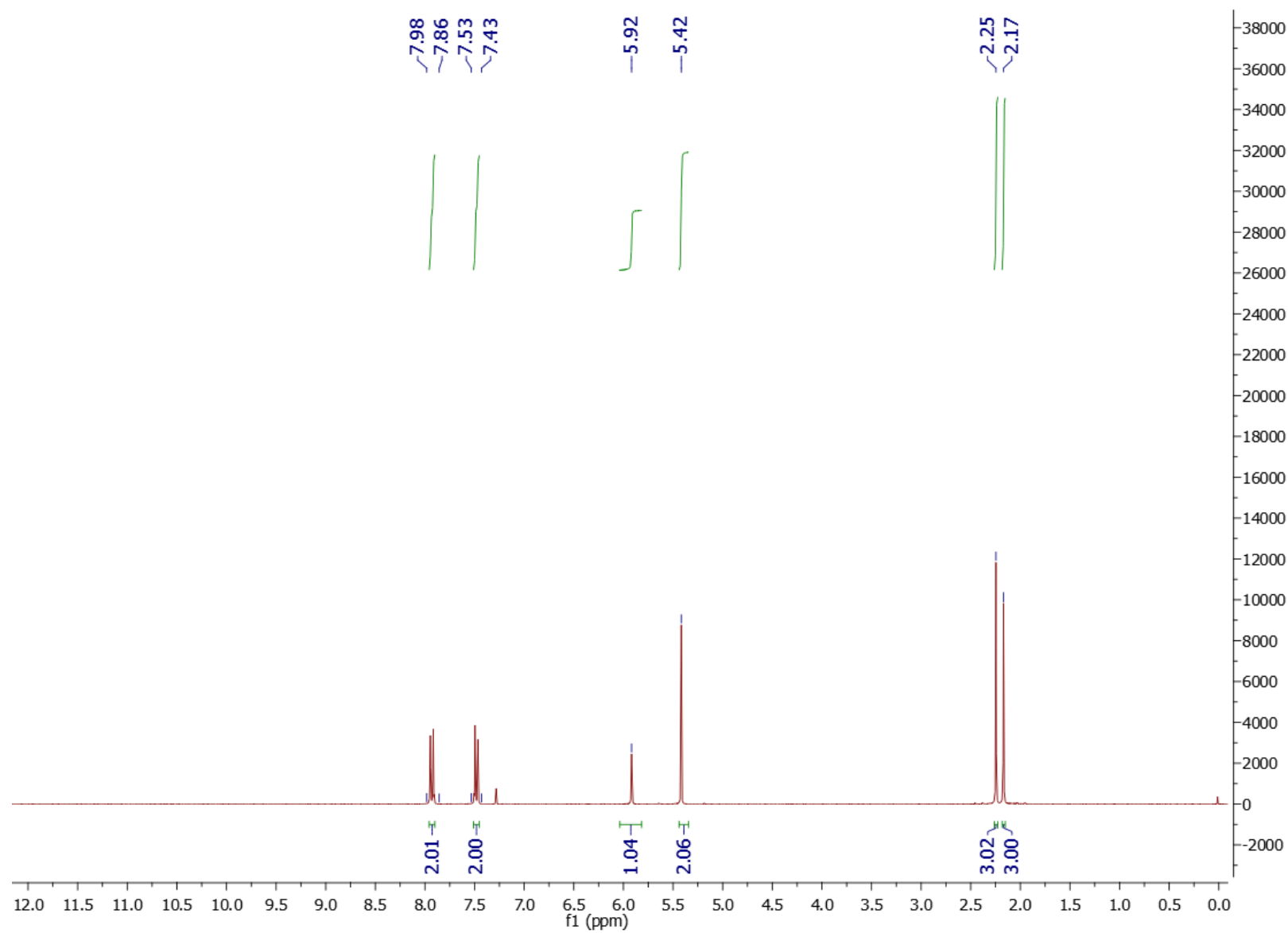
Data 8. ^{13}C -NMR spectrum of compound **2c**



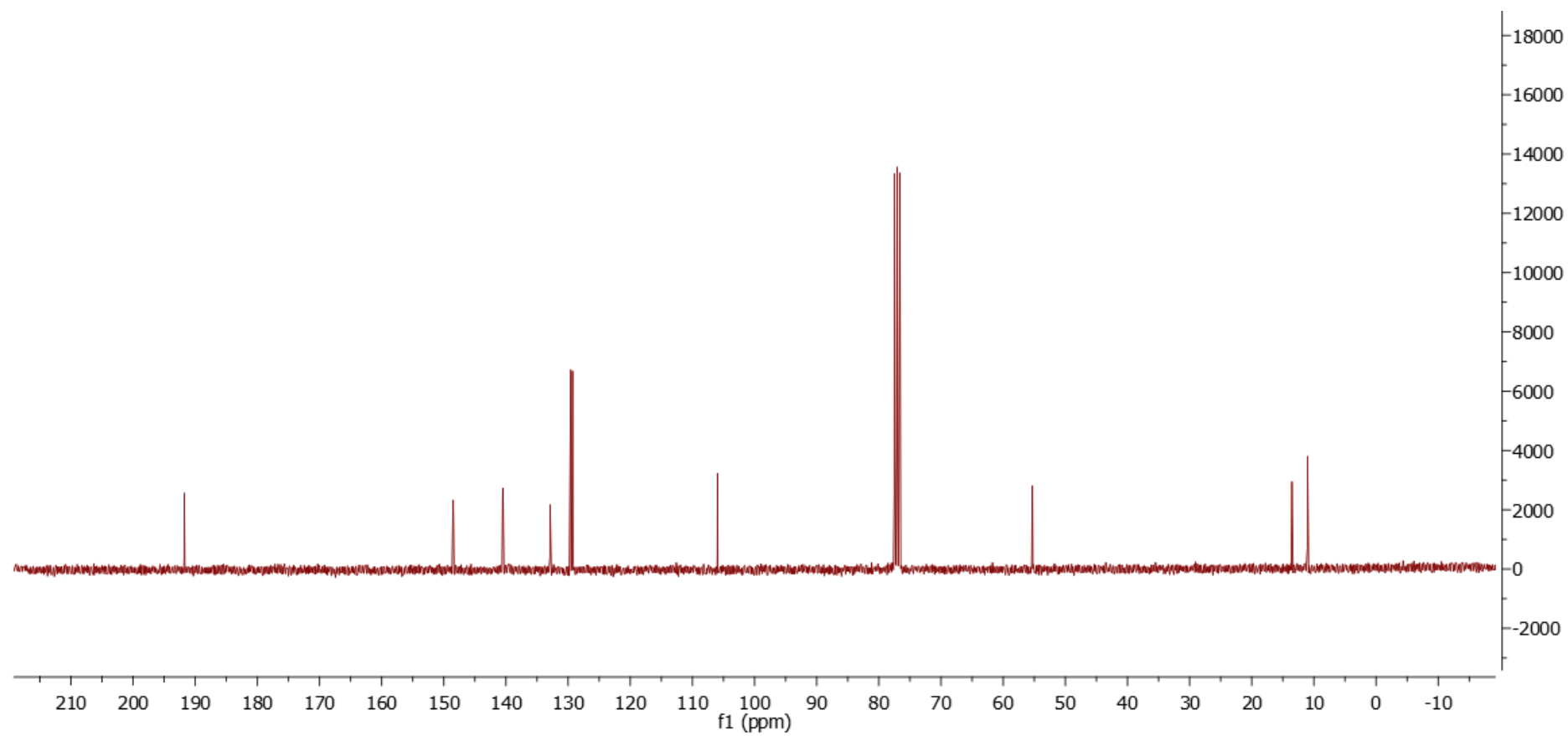
Data 9. Mass spectrum of compound 2c



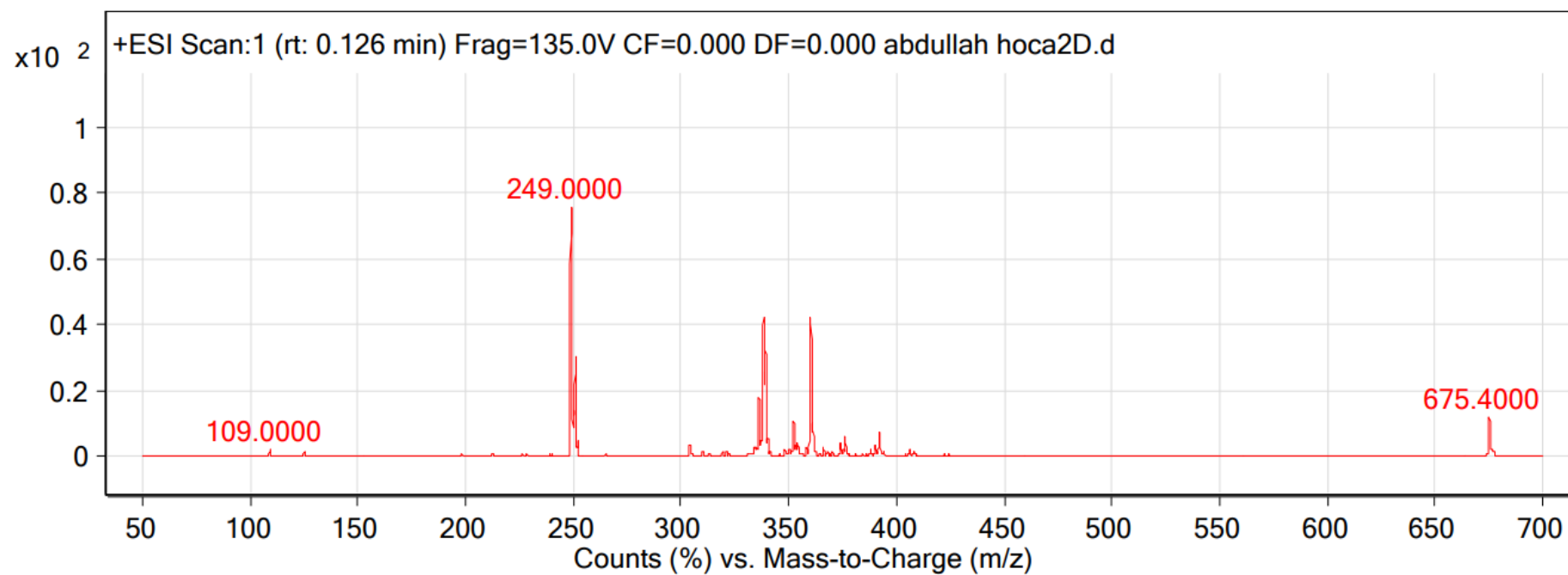
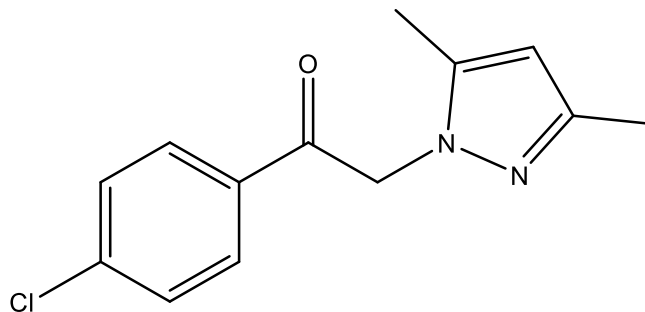
Data 10. ^1H -NMR spectrum of compound 2d



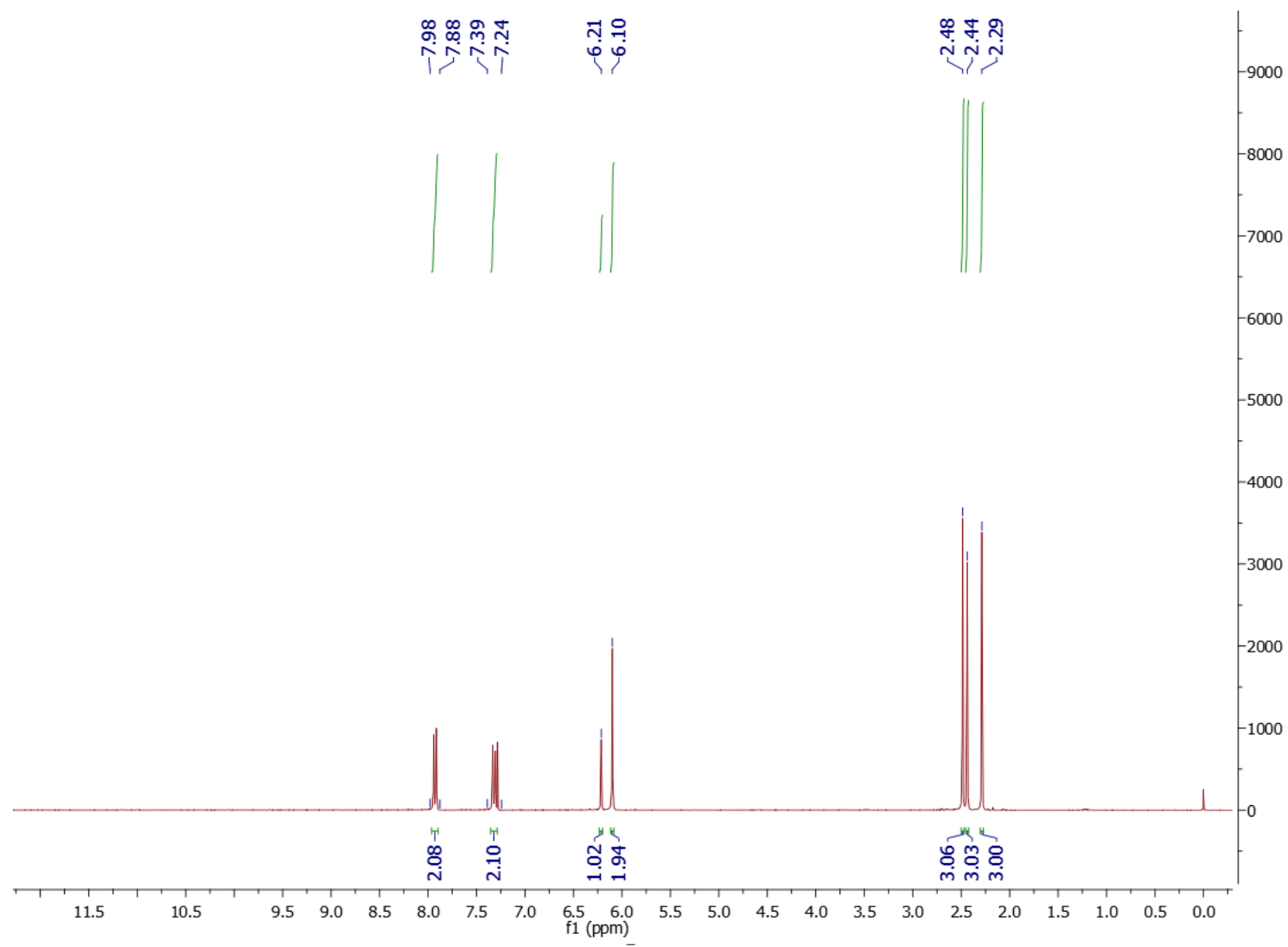
Data 11. ^{13}C -NMR spectrum of compound 2d



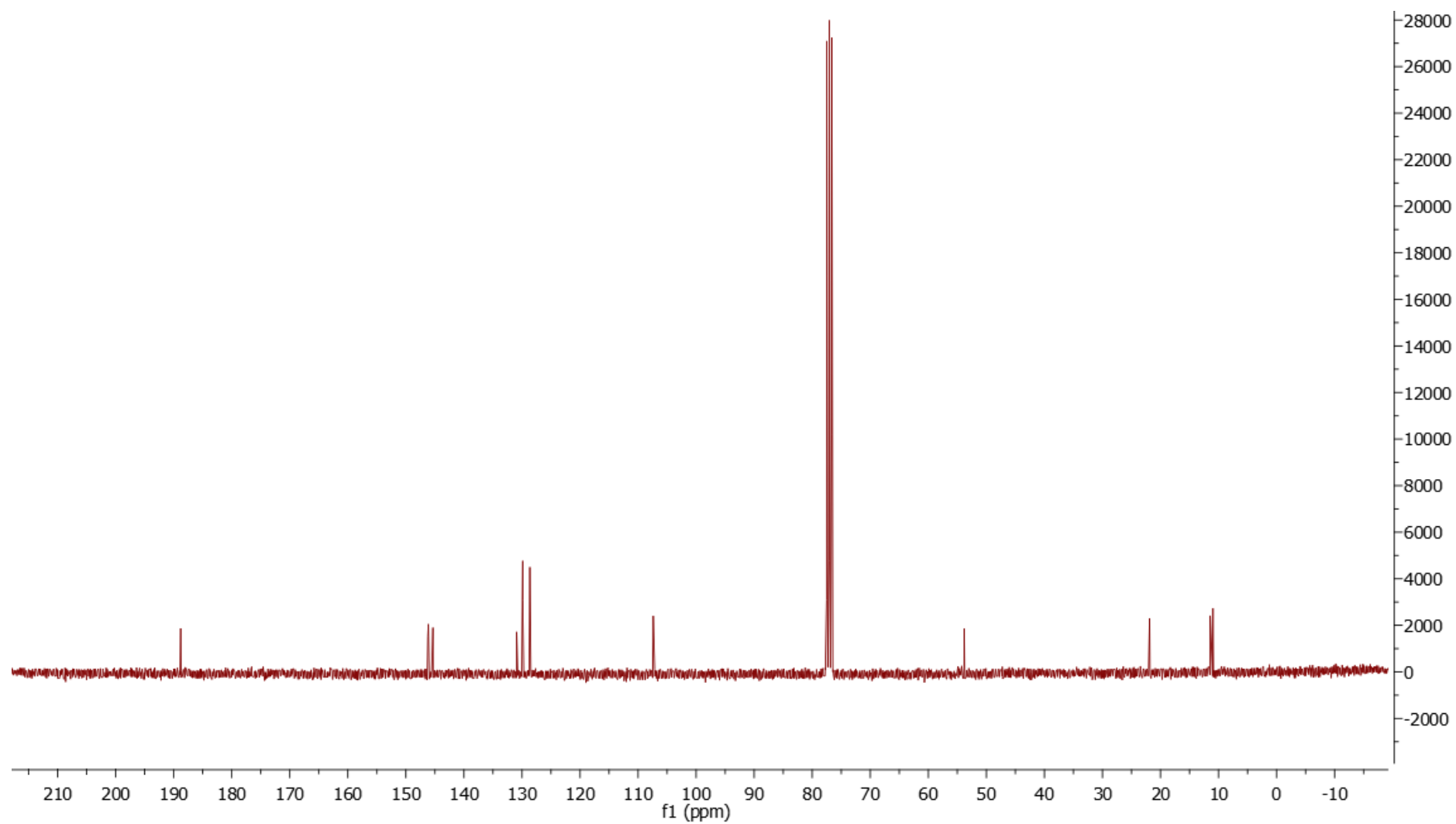
Data 12. Mass spectrum of compound 2d



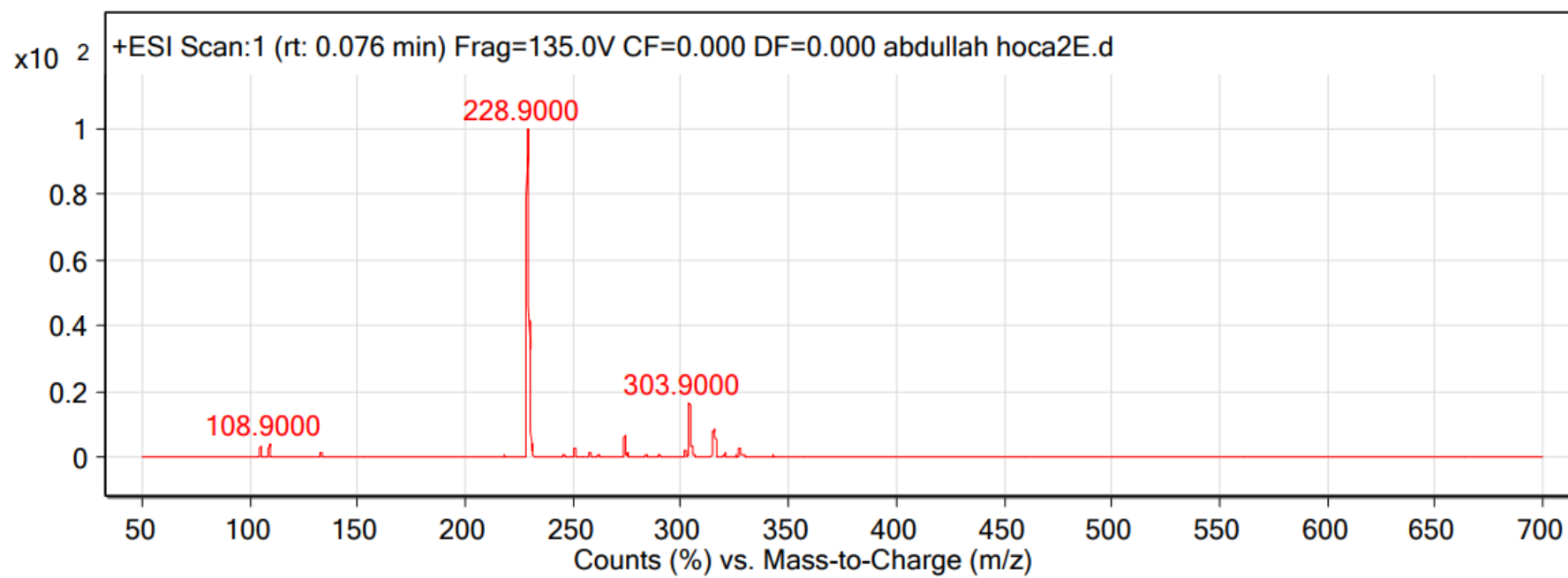
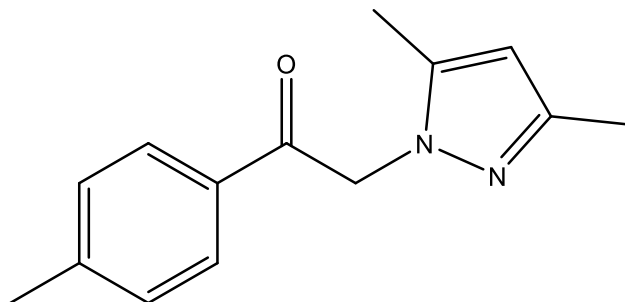
Data 13. ^1H -NMR spectrum of compound 2e



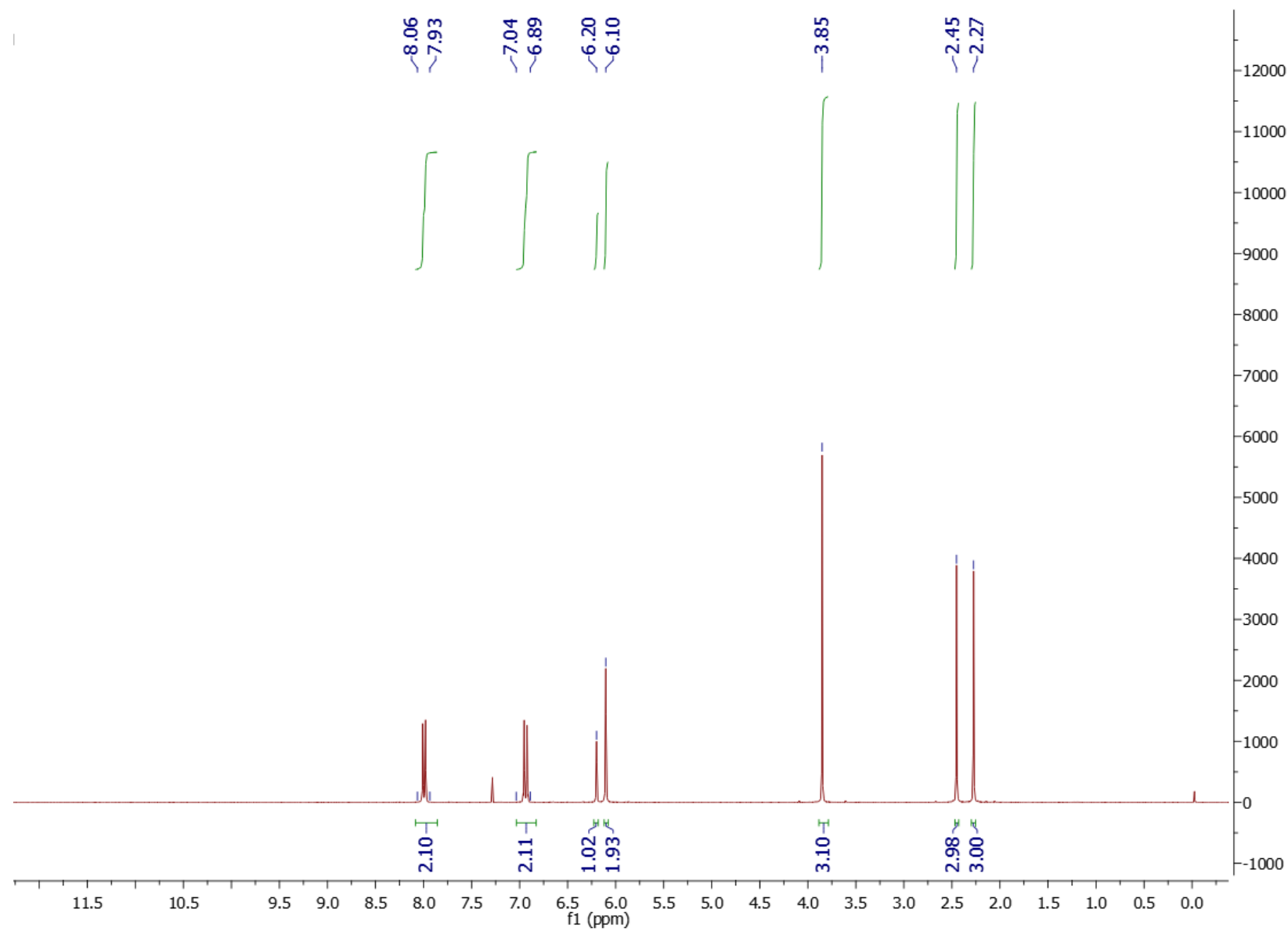
Data 14. ^{13}C -NMR spectrum of compound 2e



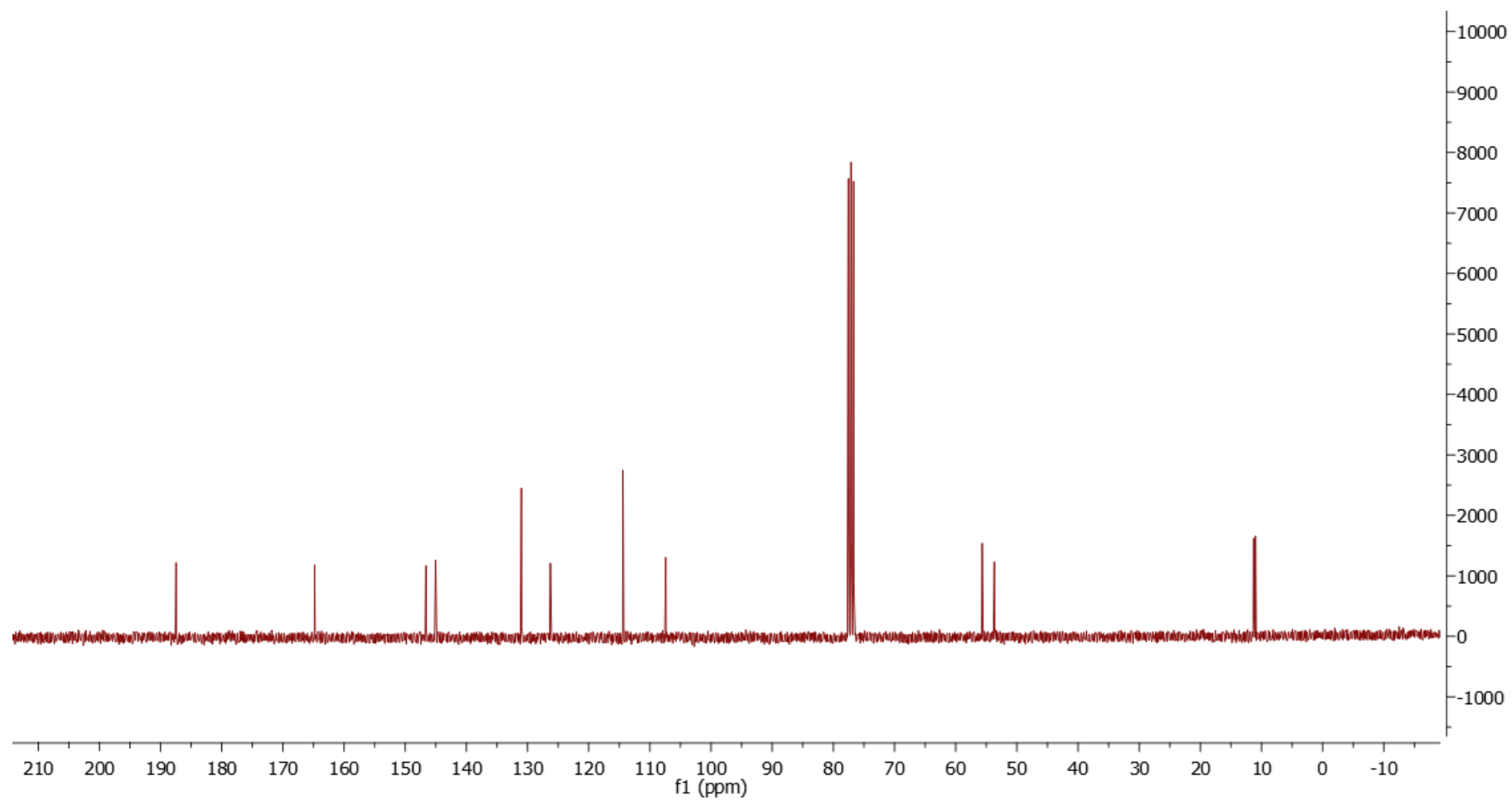
Data 15. Mass spectrum of compound 2e



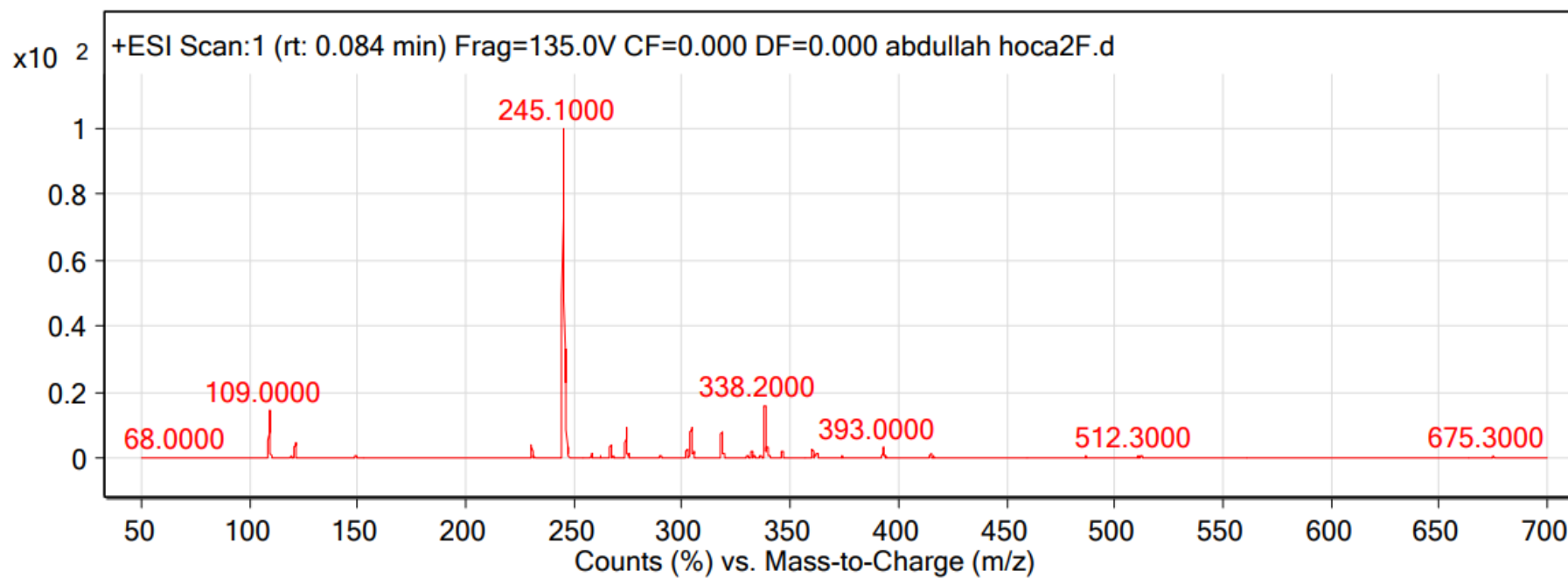
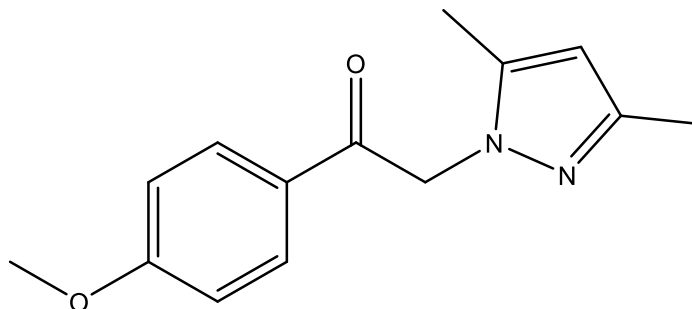
Data 16. ^1H -NMR spectrum of compound 2f



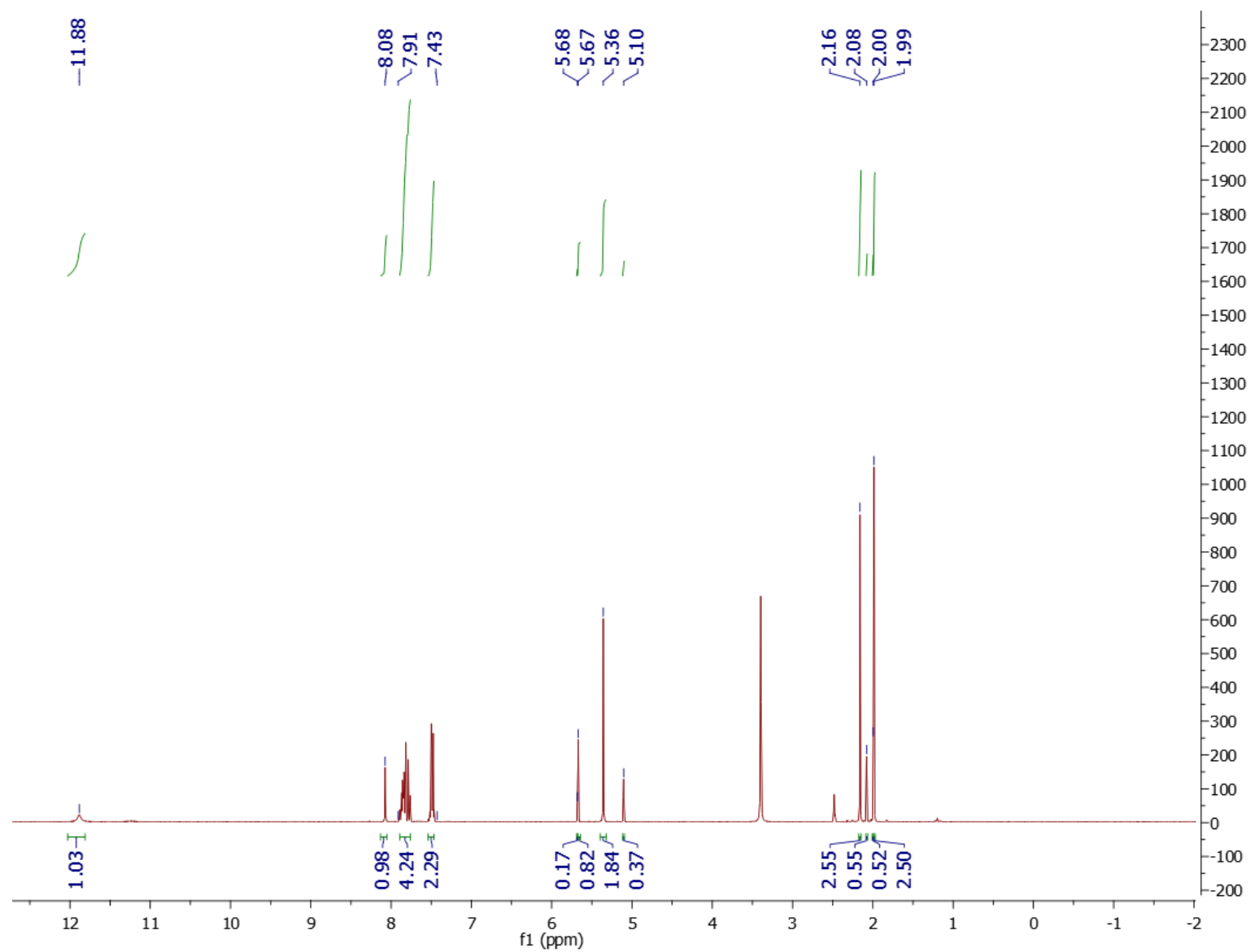
Data 17. ^{13}C -NMR spectrum of compound **2f**



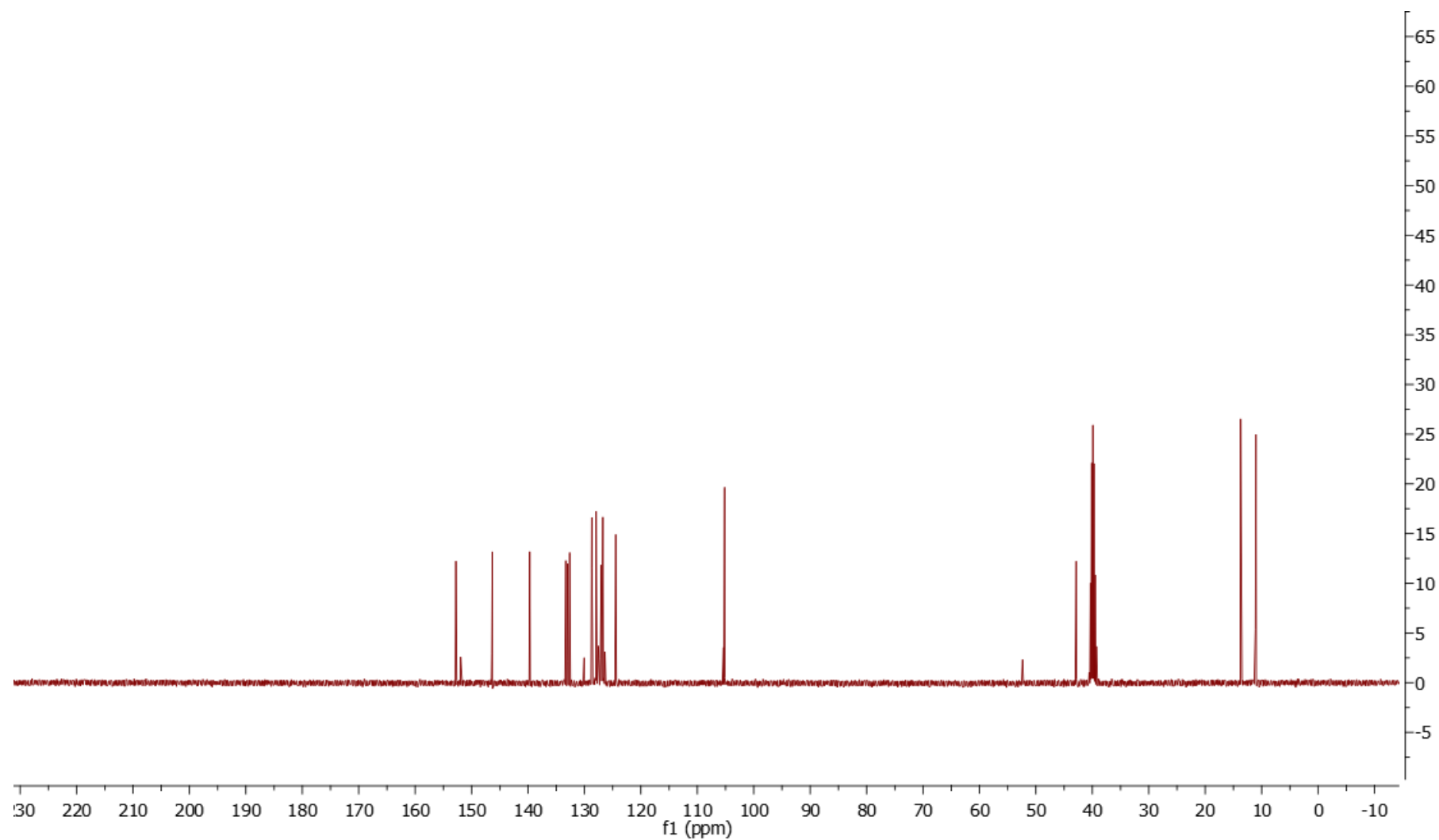
Data 18. Mass spectrum of compound 2f



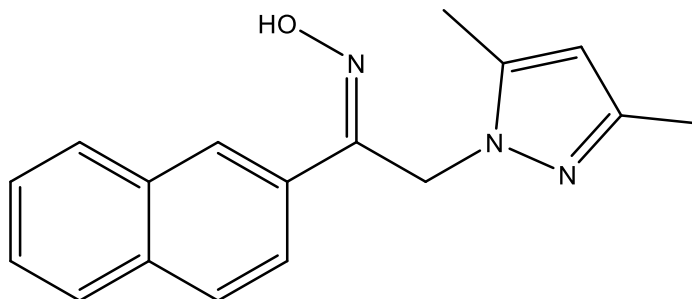
Data 19. ^1H -NMR spectrum of compound 3a



Data 20. ^{13}C -NMR spectrum of compound 3a

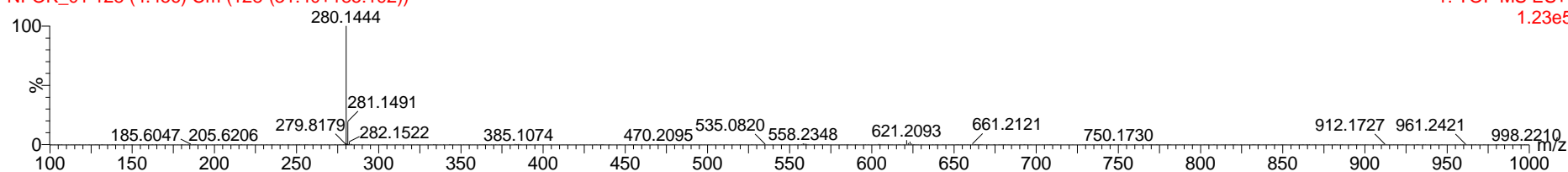


Data 21. Mass spectrum of compound 3a

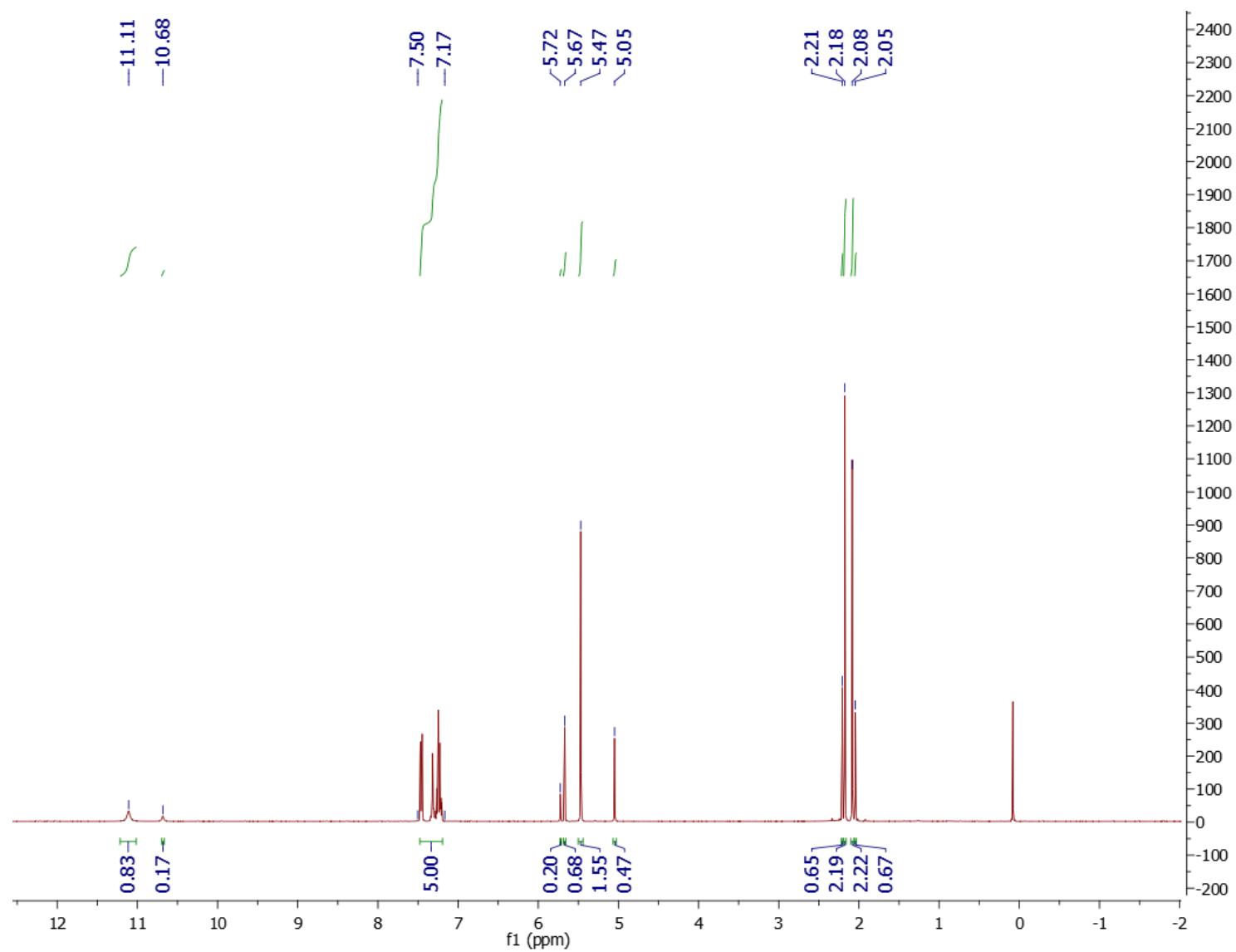


NFOK_01 128 (4.456) Cm (128-(31:40+185:192))

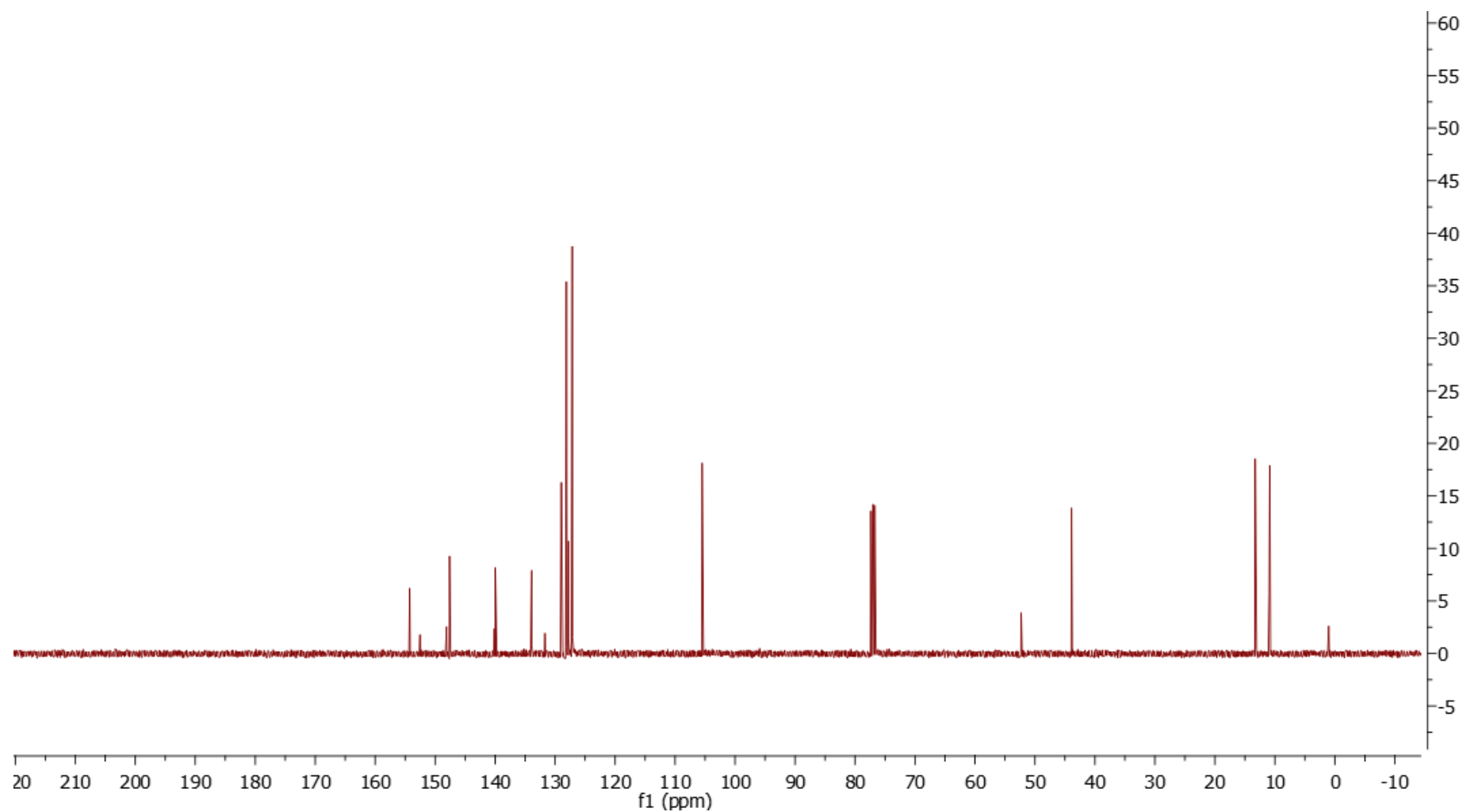
1: TOF MS ES+
1.23e5



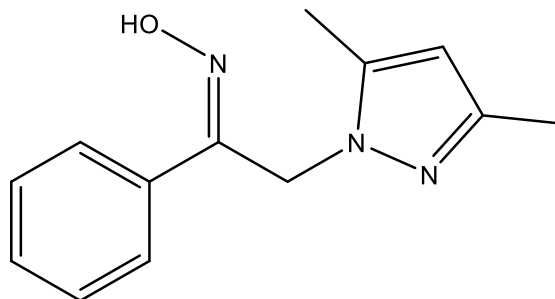
Data 22. ^1H -NMR spectrum of compound **3b**



Data 23. ^{13}C -NMR spectrum of compound 3b

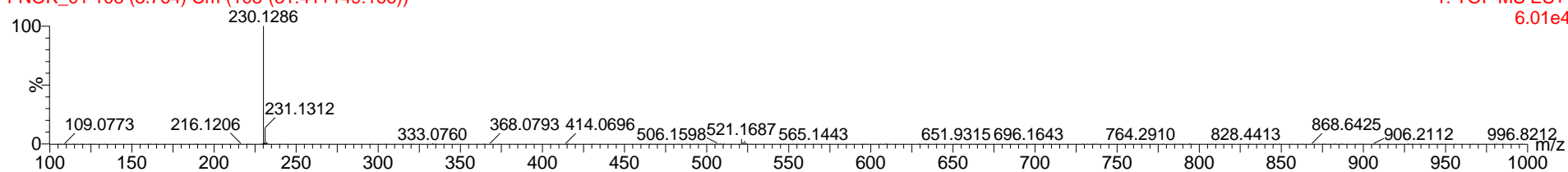


Data 24. Mass spectrum of compound 3b

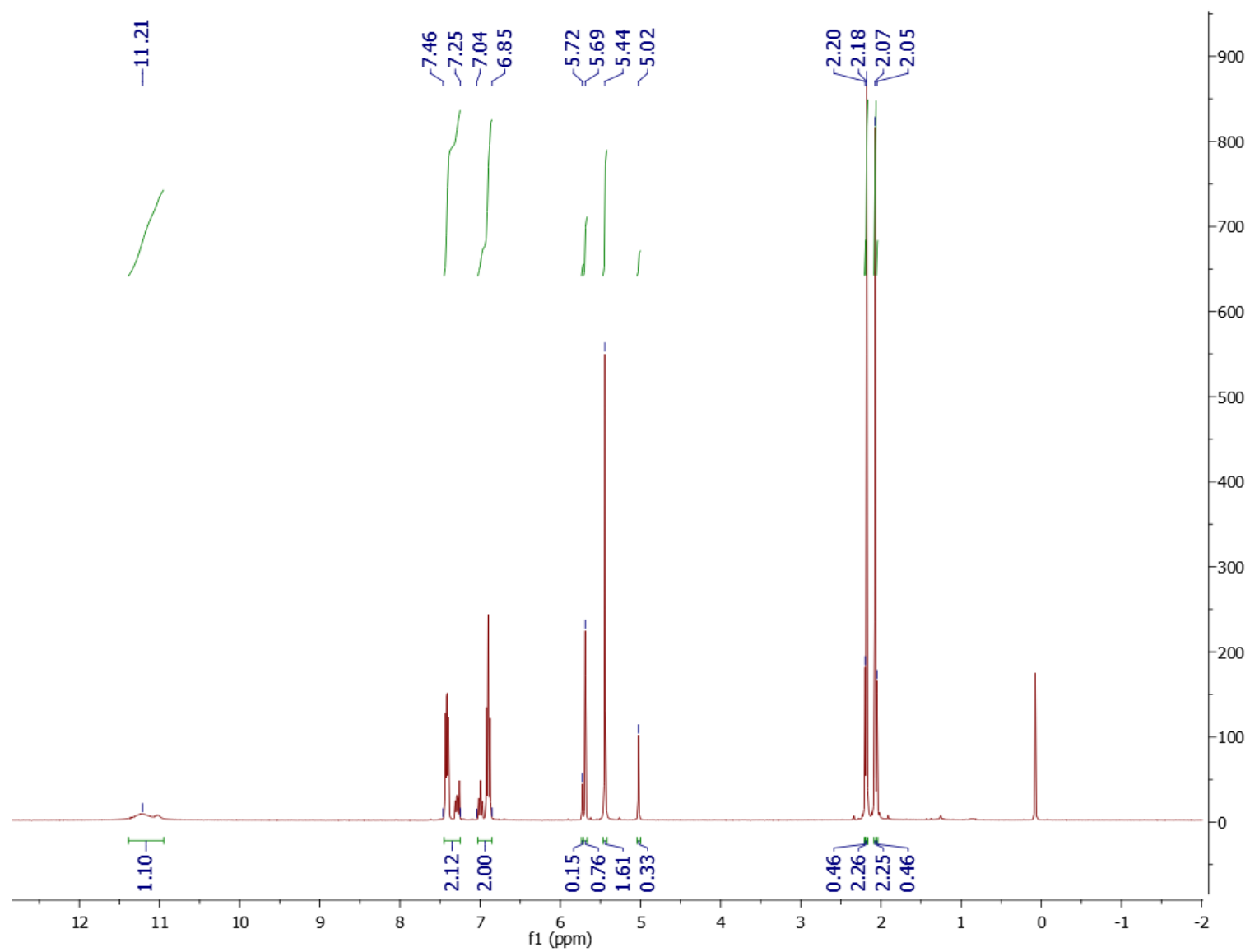


FNOK_01 108 (3.764) Cm (108-(31:41+149:166))

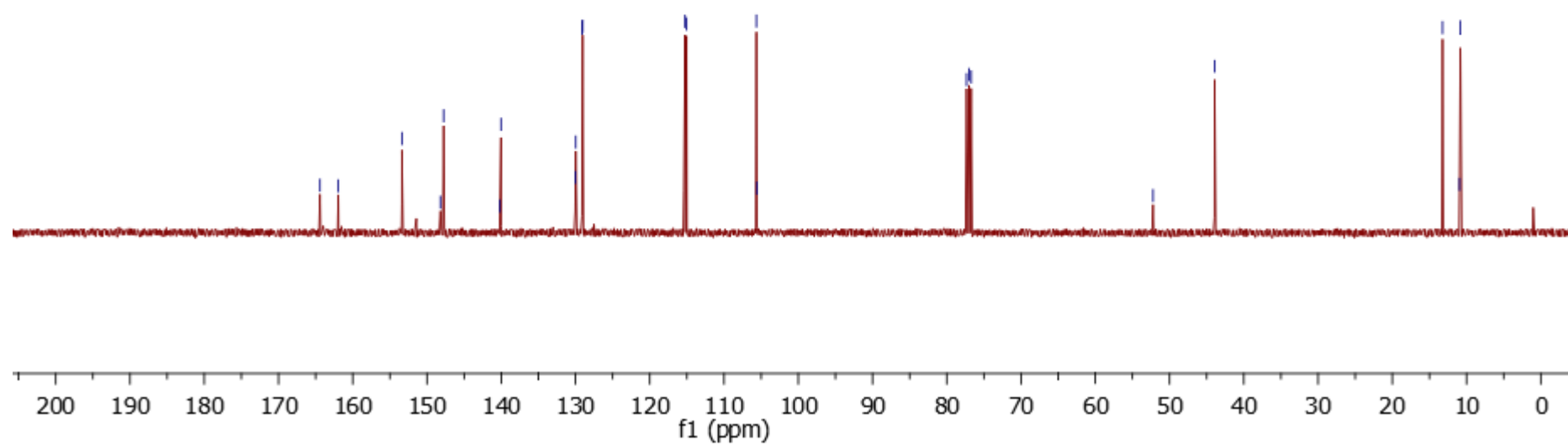
1: TOF MS ES+
6.01e4



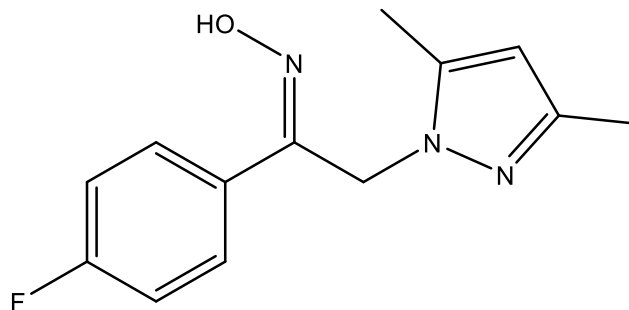
Data 25. ^1H -NMR spectrum of compound **3c**



Data 26. ^{13}C -NMR spectrum of compound **3c**

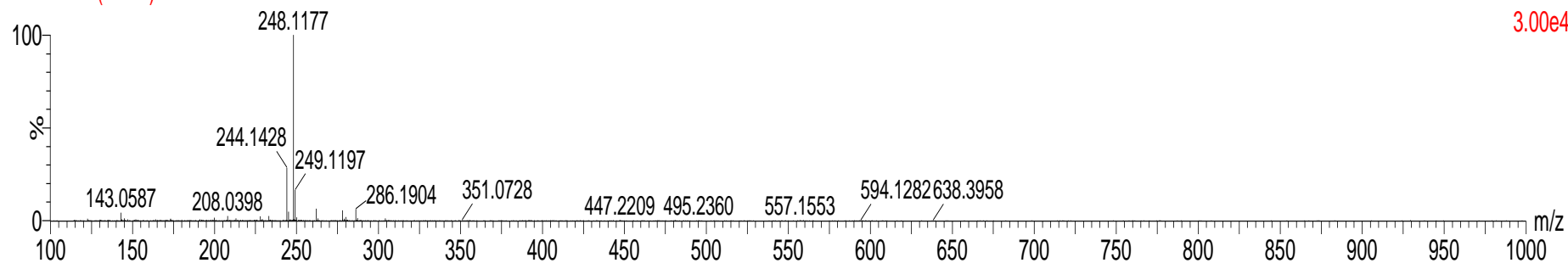


Data 27. Mass spectrum of compound 3c

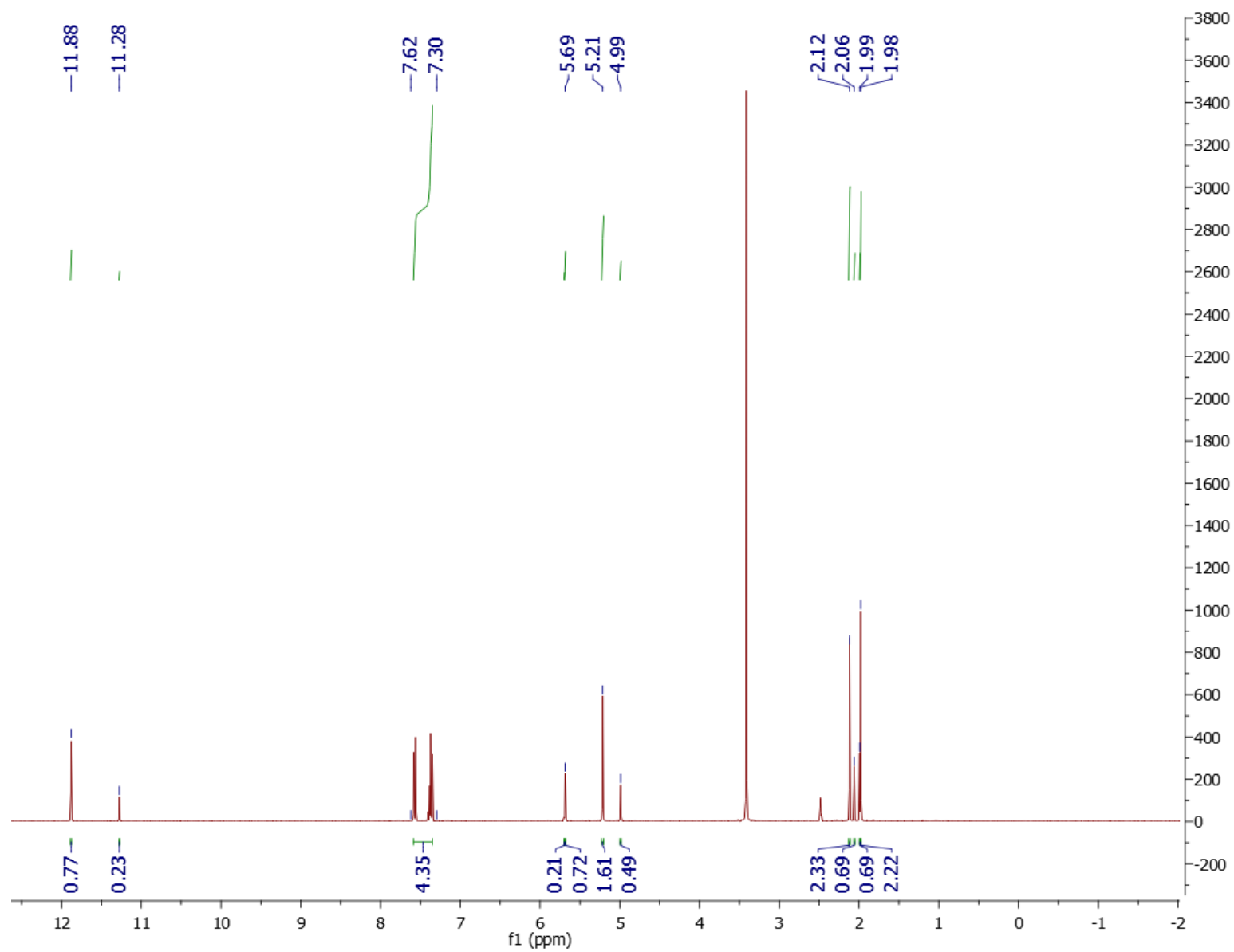


FLOK 109 (3.812)

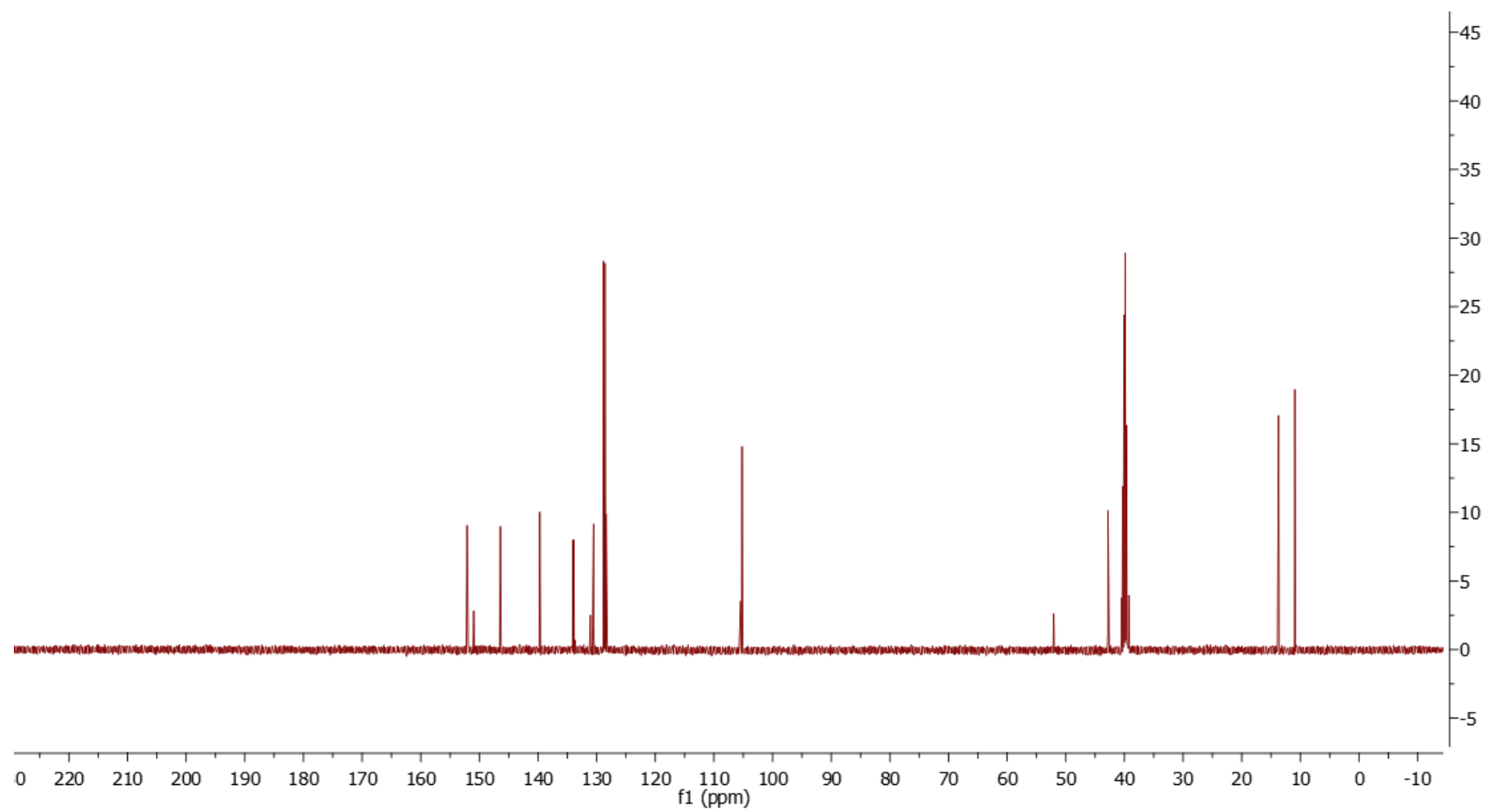
1: TOF MS ES+
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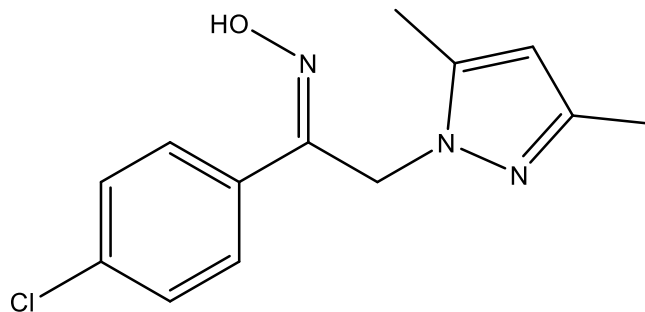
Data 28. ^1H -NMR spectrum of compound 3d



Data 29. ^{13}C -NMR spectrum of compound 3d

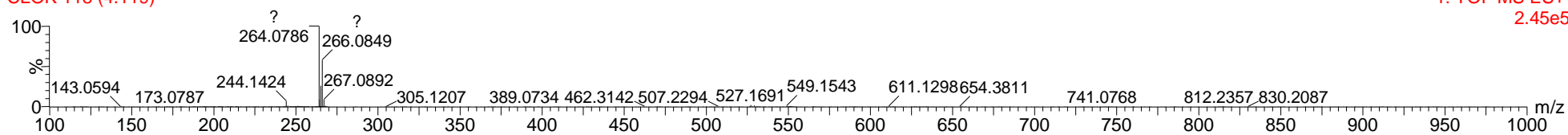


Data 30. Mass spectrum of compound 3d

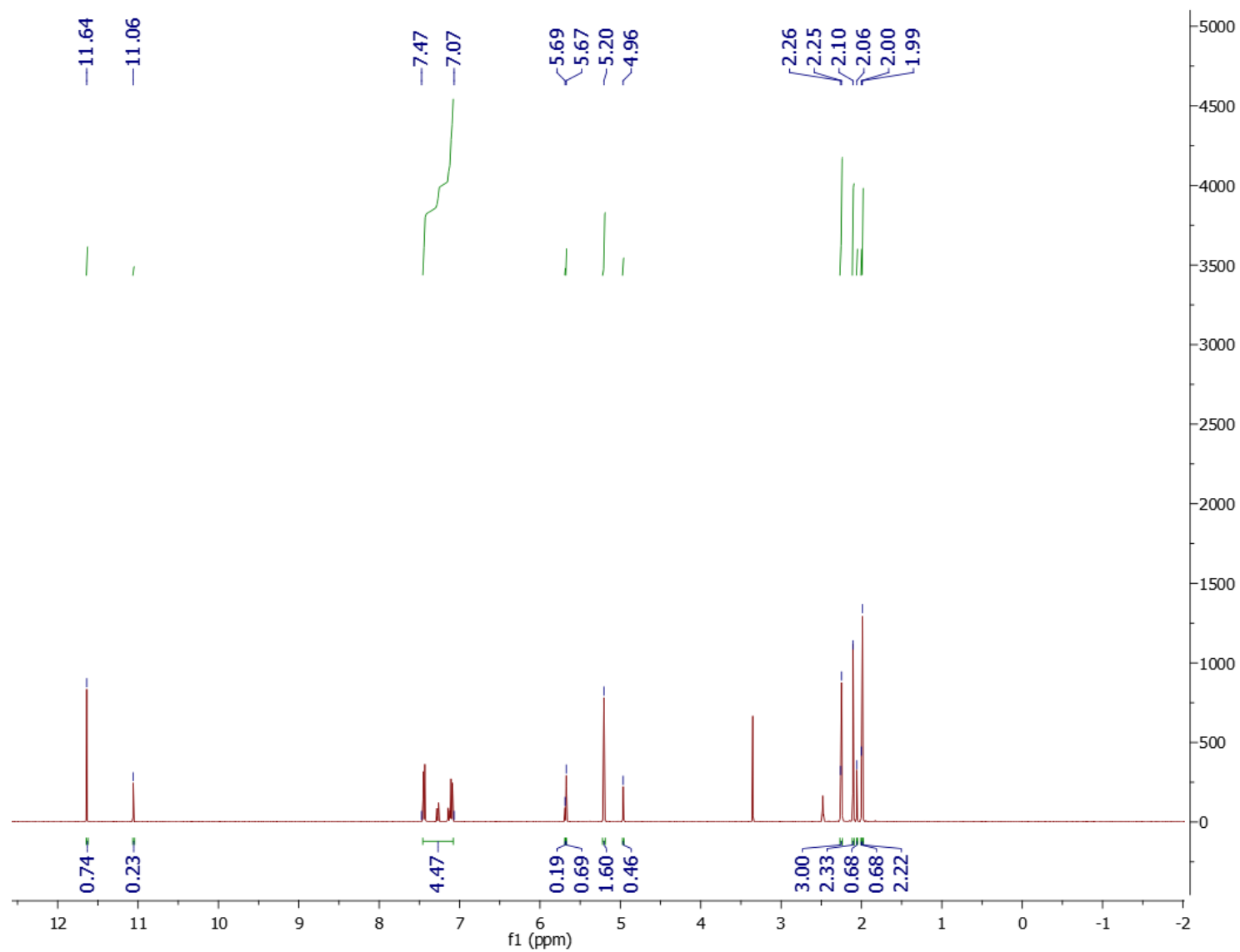


CLOK 118 (4.119)

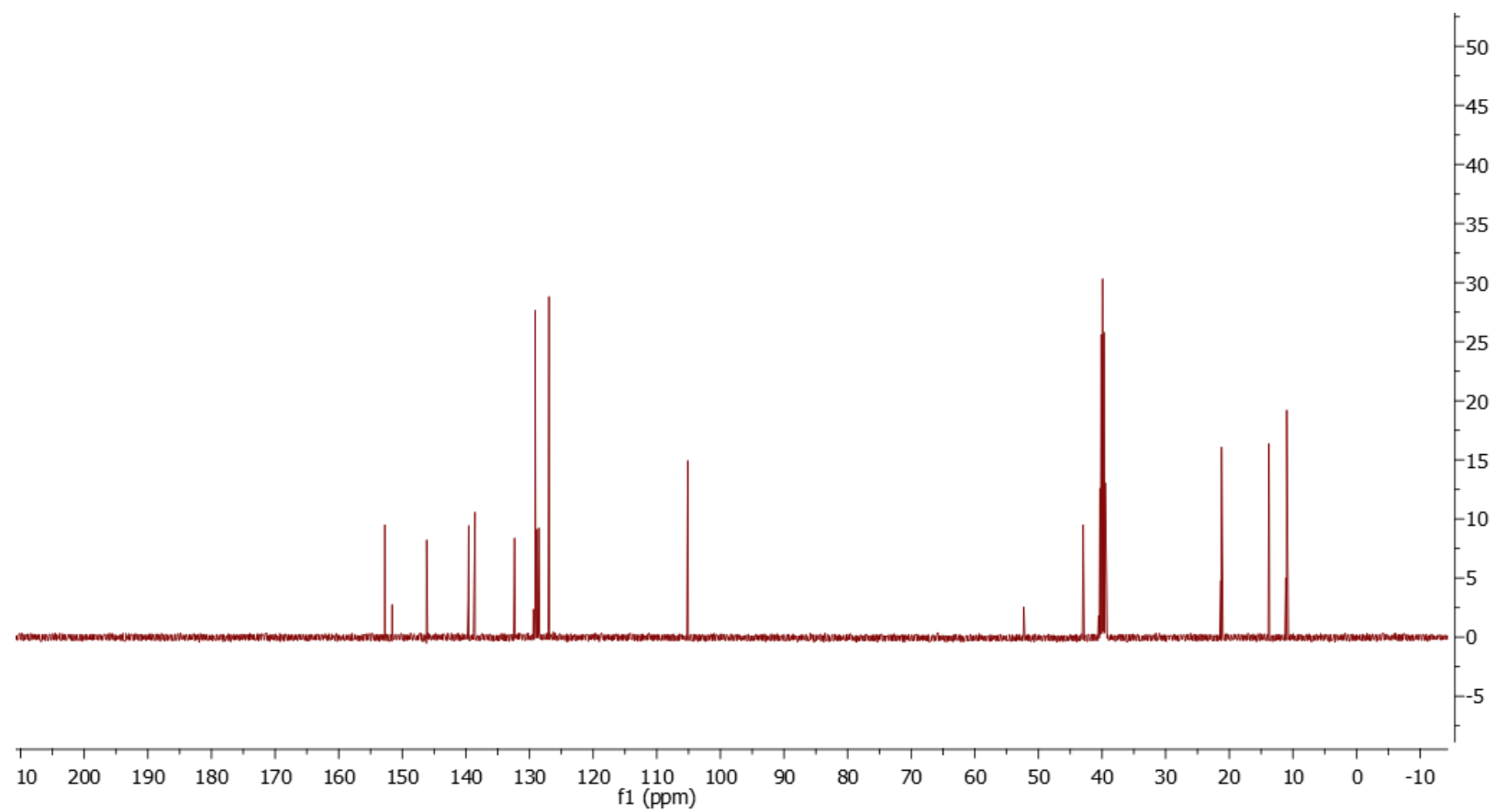
1: TOF MS ES+
2.45e5



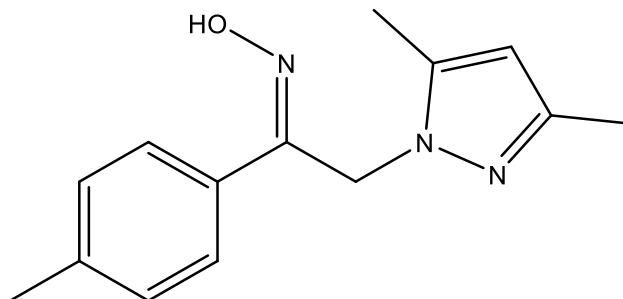
Data 31. ^1H -NMR spectrum of compound 3e



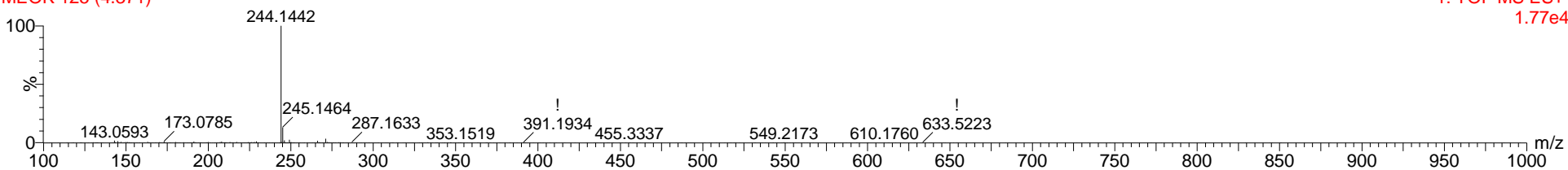
Data 32. ^{13}C -NMR spectrum of compound 3e



Data 33. Mass spectrum of compound 3e

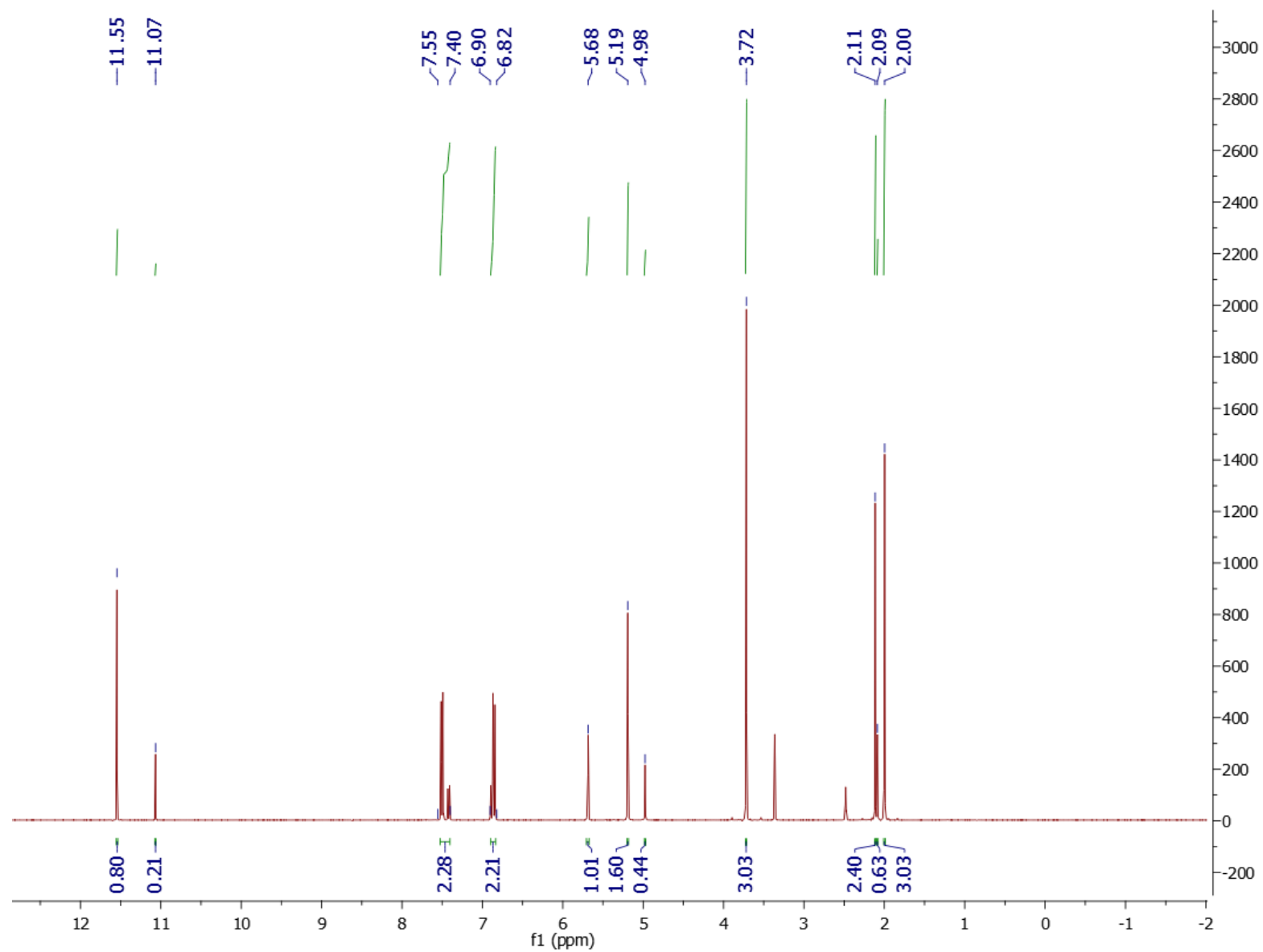


MEOK 125 (4.371)

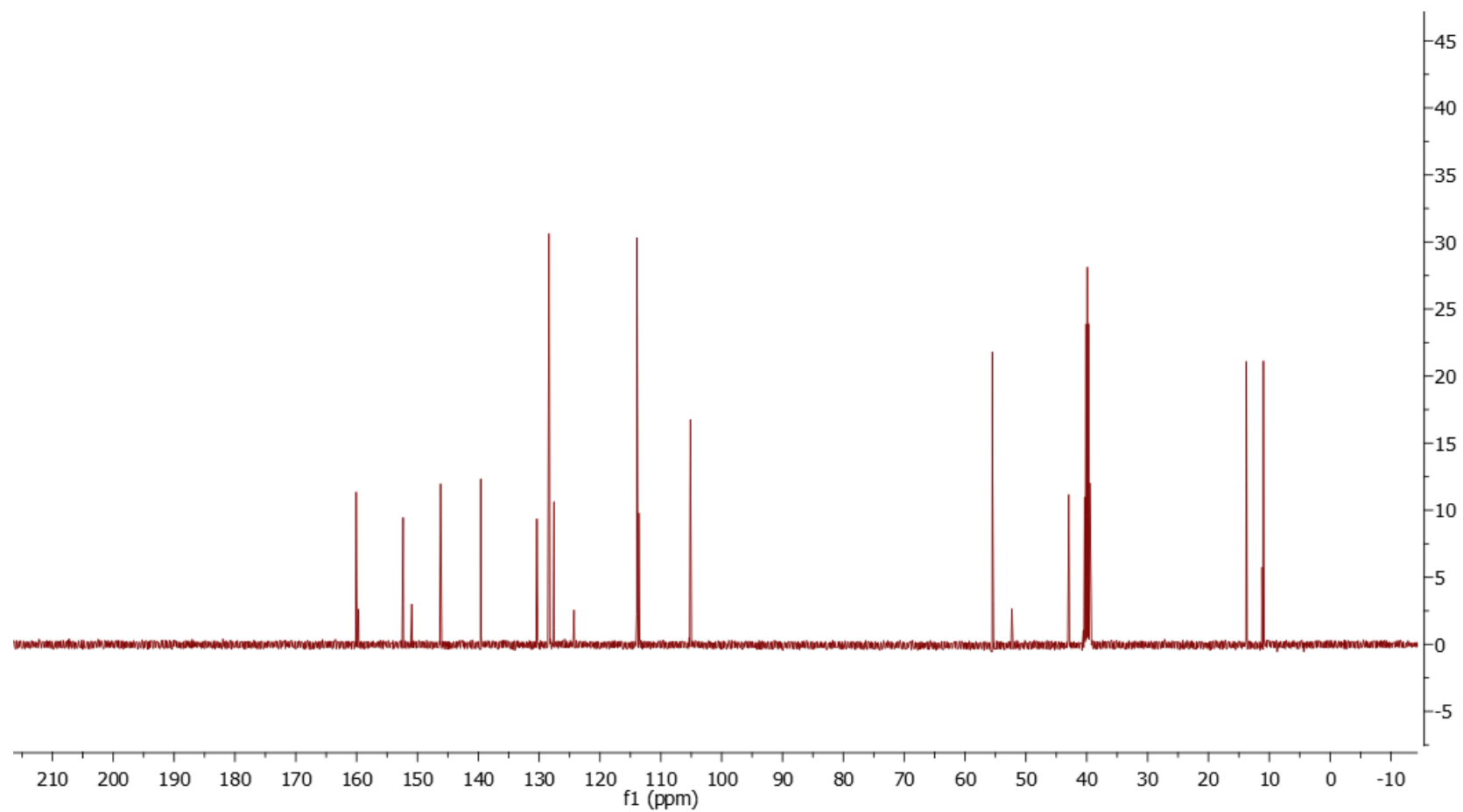


1: TOF MS ES+
1.77e4

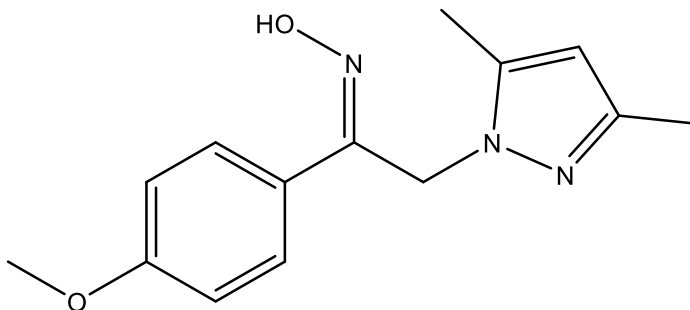
Data 34. ^1H -NMR spectrum of compound 3f



Data 35. ^{13}C -NMR spectrum of compound 3f

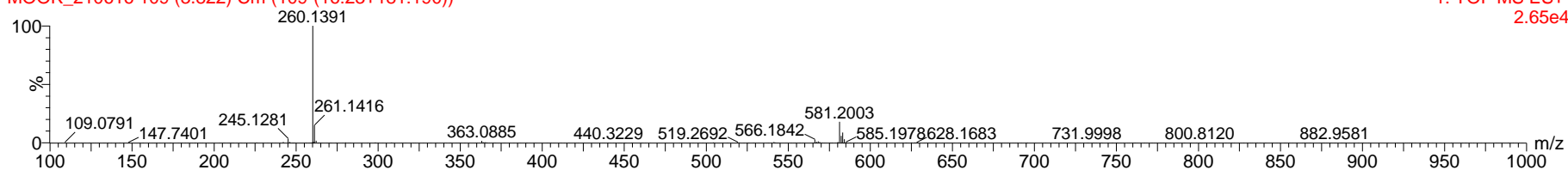


Data 36. Mass spectrum of compound 3f

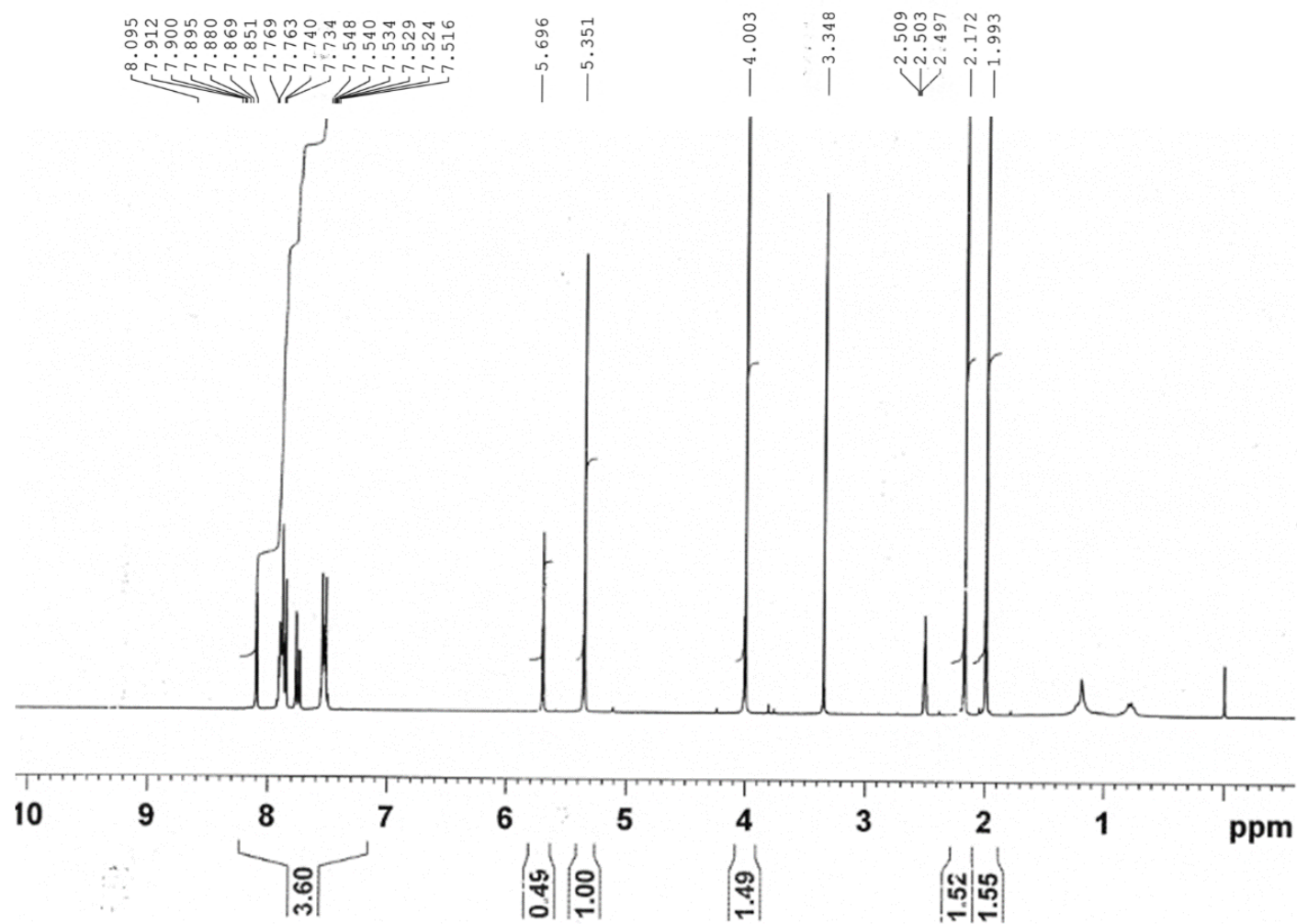


MOOK_210616 109 (3.822) Cm (109-(16:23+181:190))

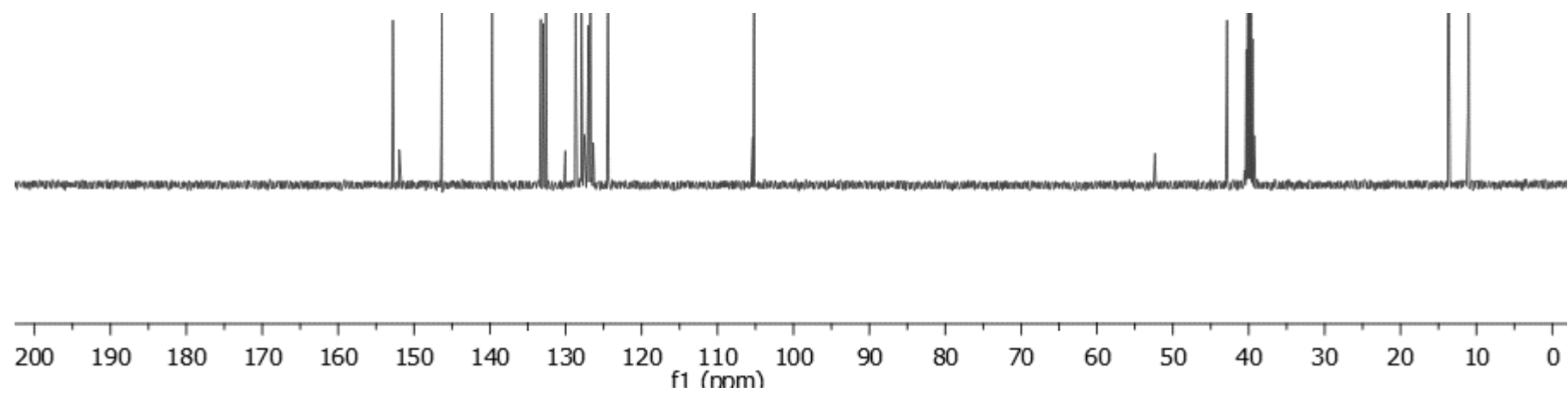
1: TOF MS ES+
2.65e4



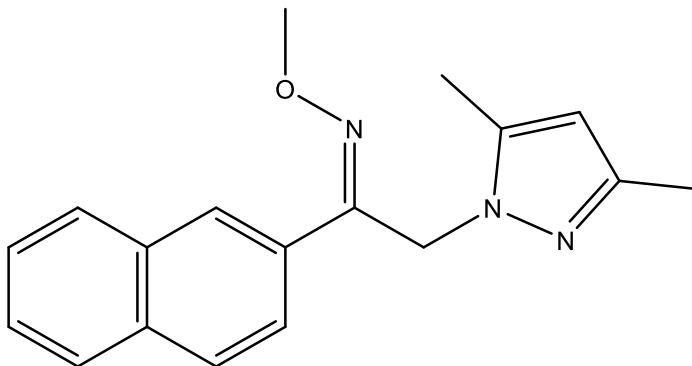
Data 37. ^1H -NMR spectrum of compound 4a



Data 38. ^{13}C -NMR spectrum of compound 4a

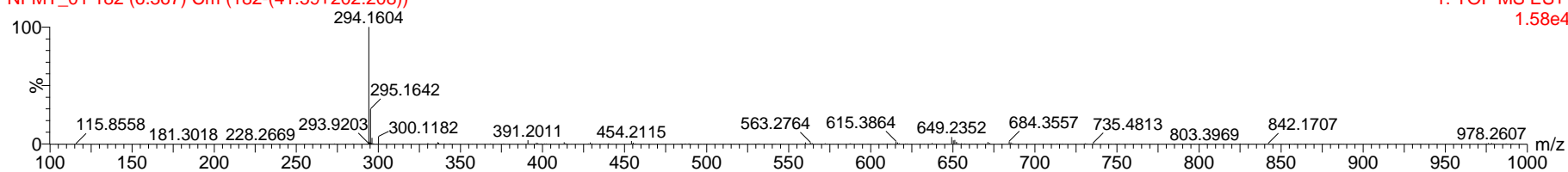


Data 39. Mass spectrum of compound 4a

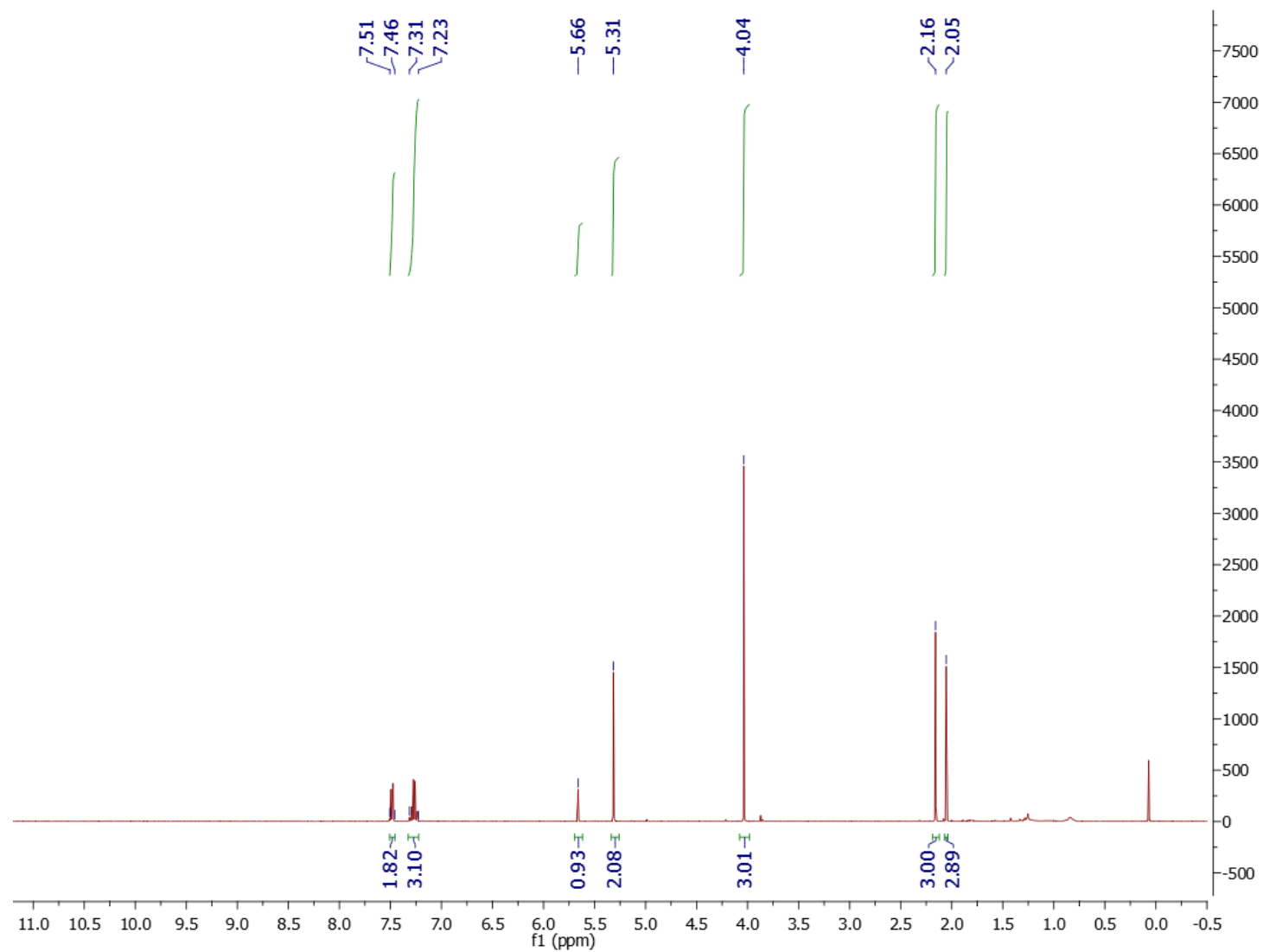


NFMT_01 182 (6.367) Cm (182-(41:59+202:208))

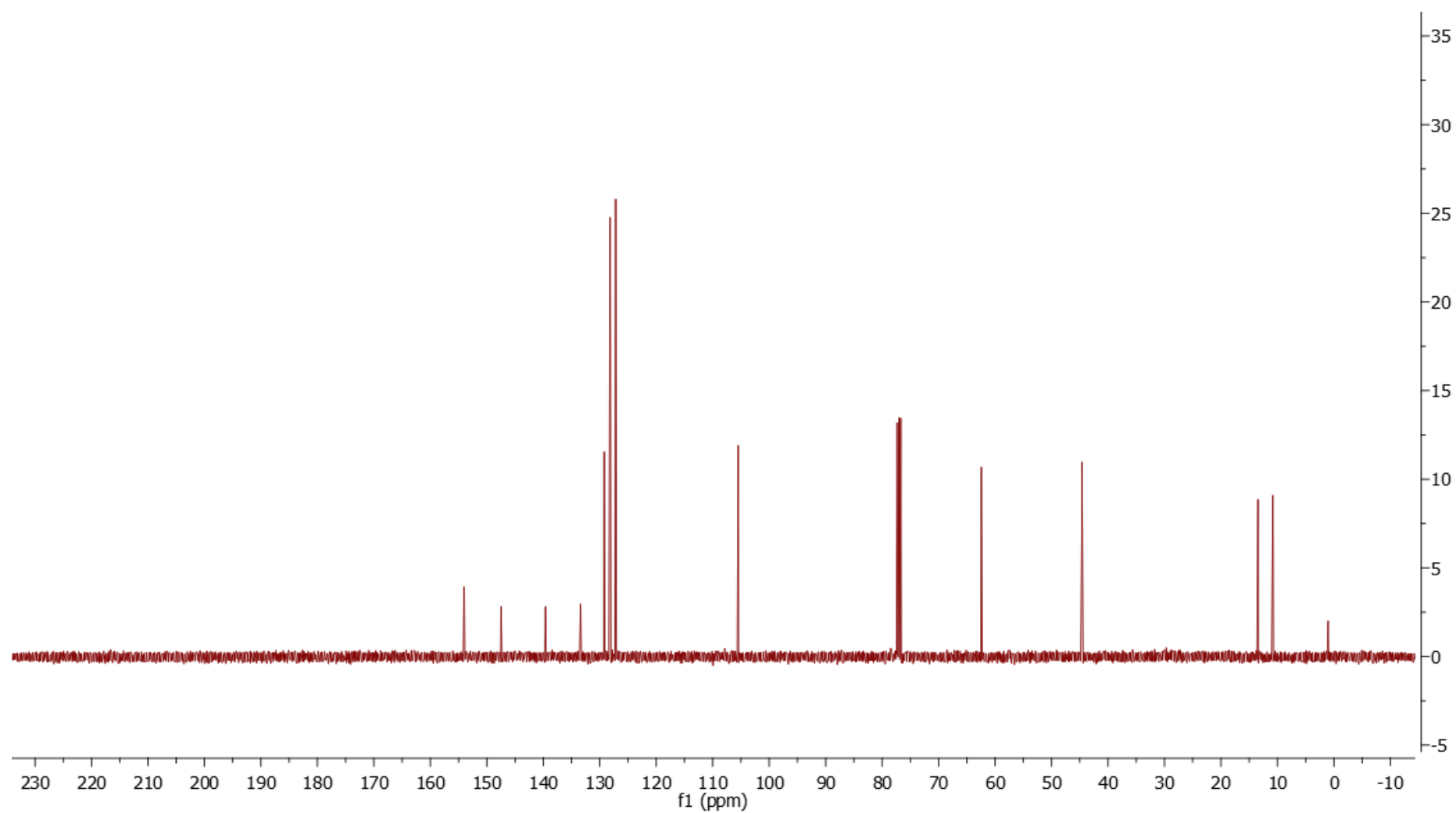
1: TOF MS ES+
1.58e4



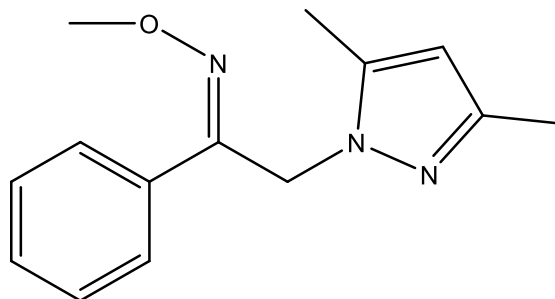
Data 40. ^1H -NMR spectrum of compound 4b



Data 41. ^{13}C -NMR spectrum of compound 4b

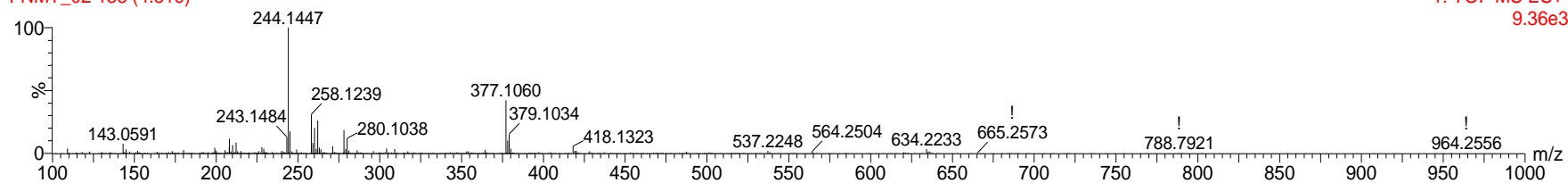


Data 42. Mass spectrum of compound 4b

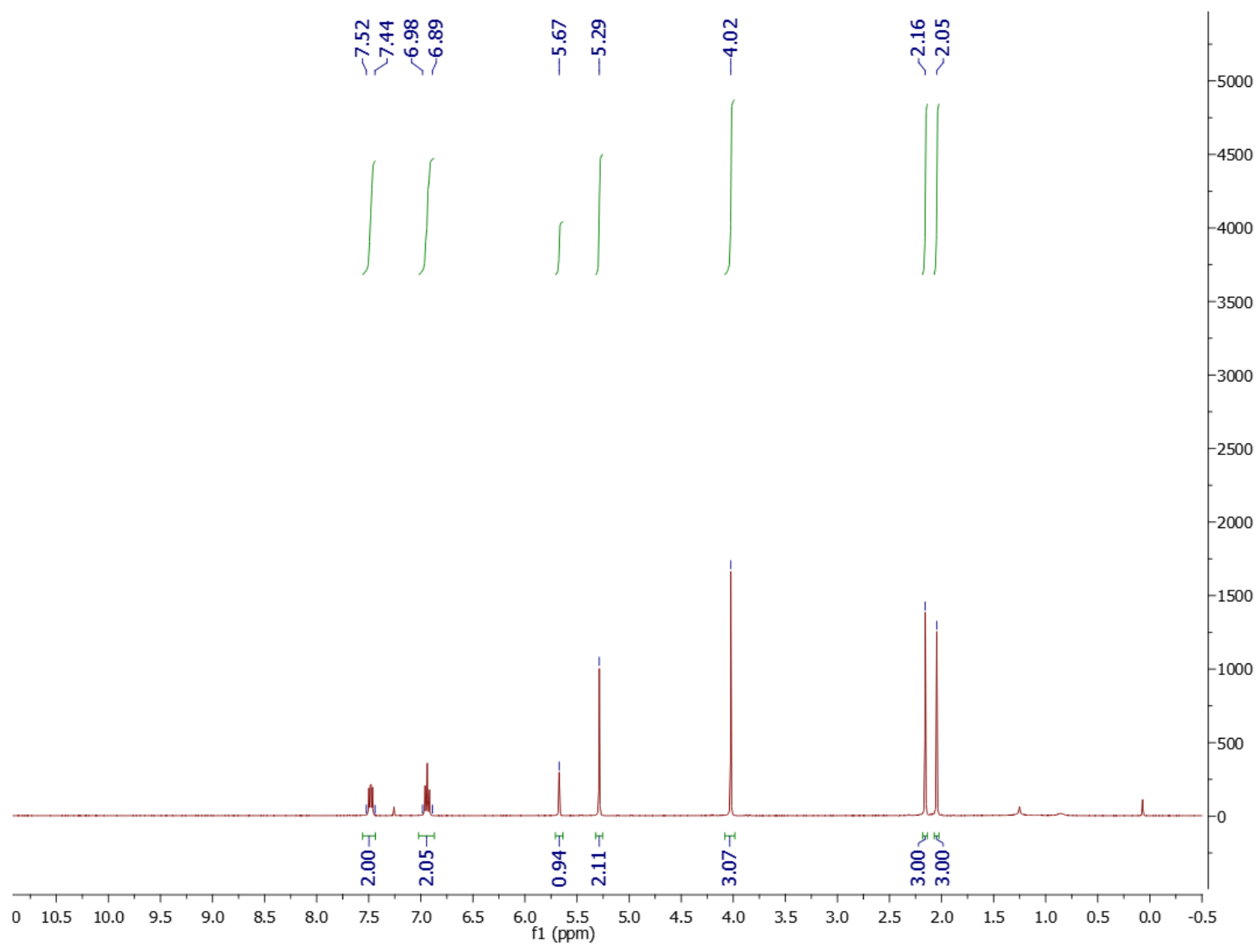


FNMT_02 138 (4.819)

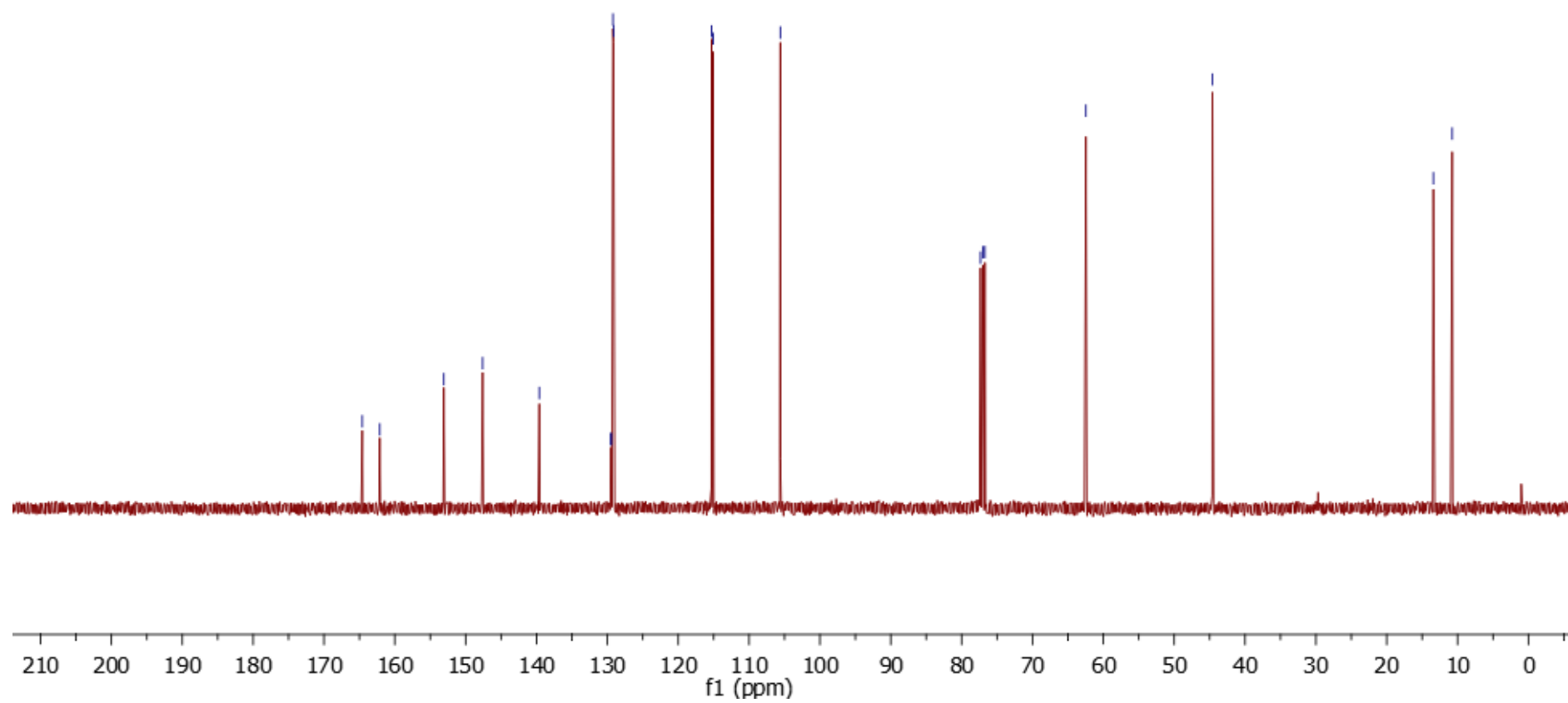
1: TOF MS ES+
9.36e3



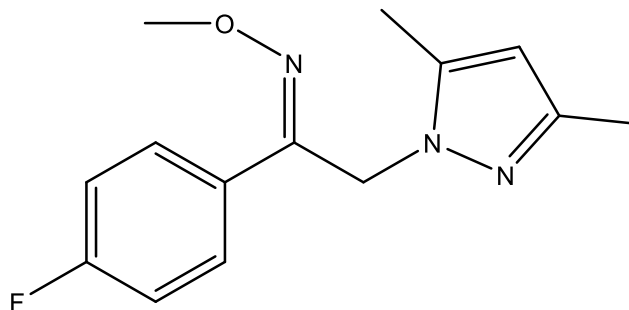
Data 43. ^1H -NMR spectrum of compound **4c**



Data 44. ^{13}C -NMR spectrum of compound **4c**

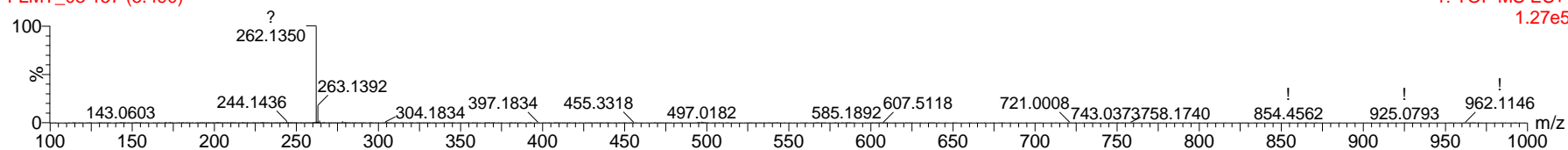


Data 45. Mass spectrum of compound 4c

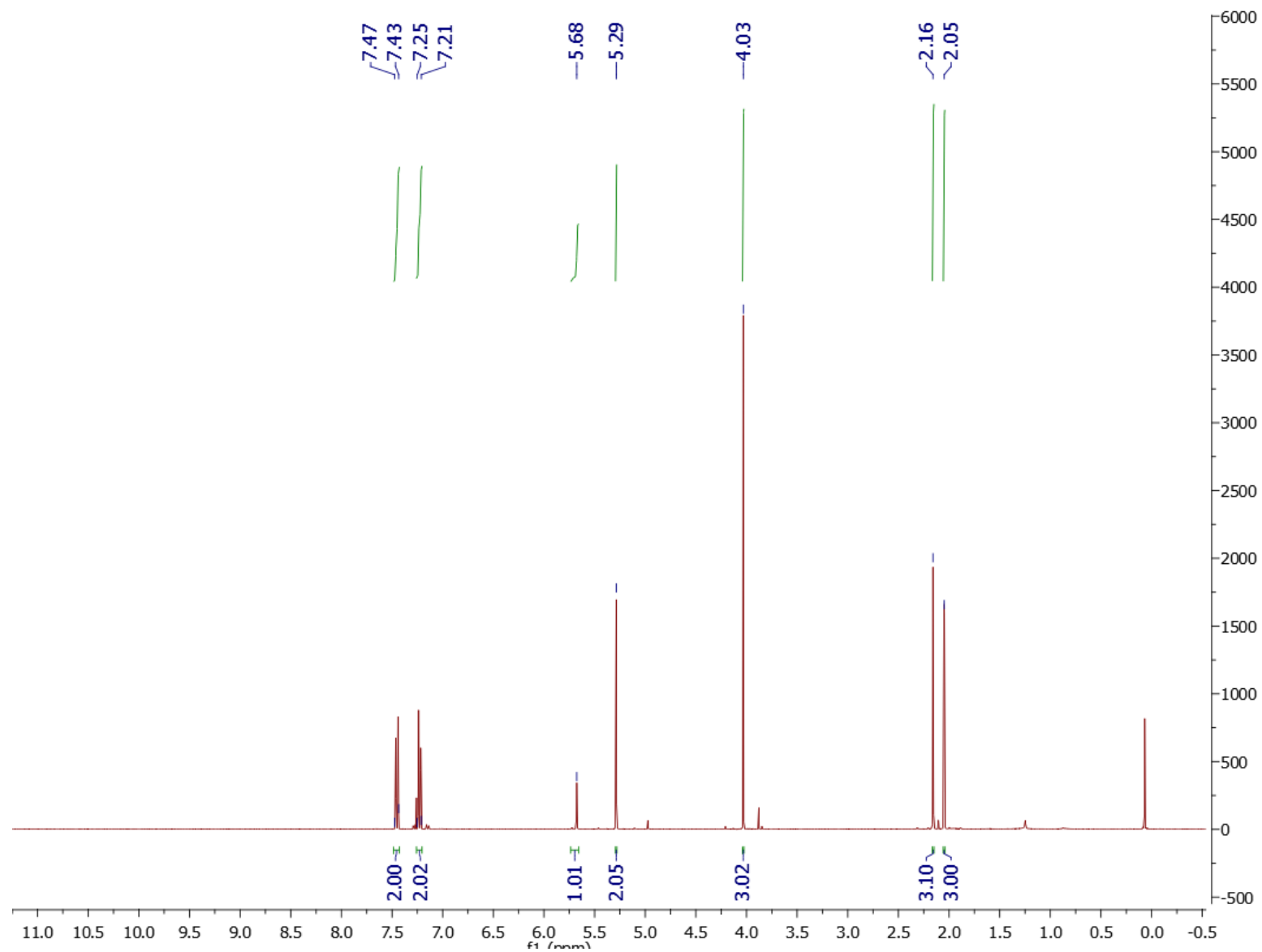


FLMT_03 157 (5.490)

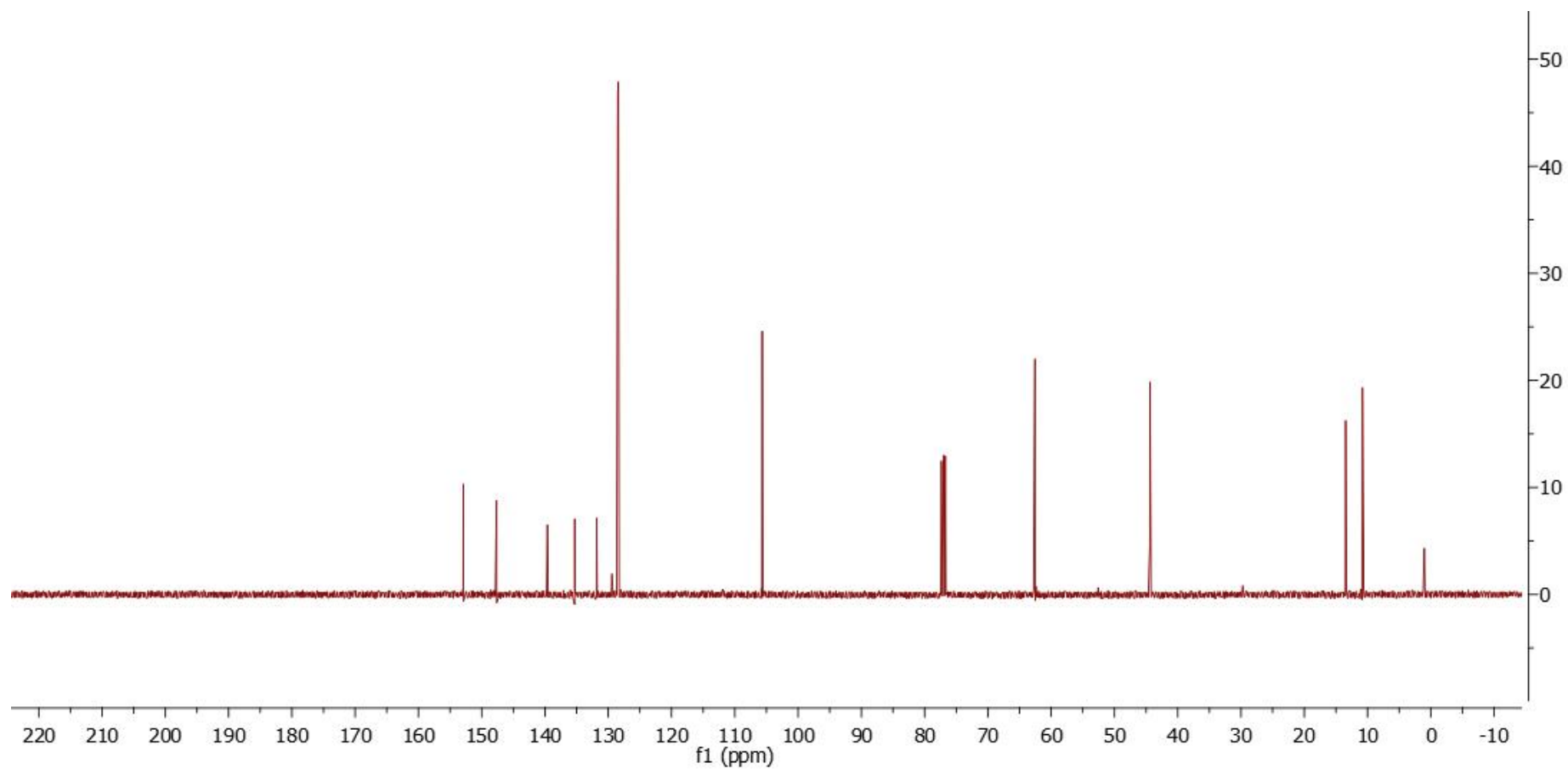
1: TOF MS ES+
1.27e5



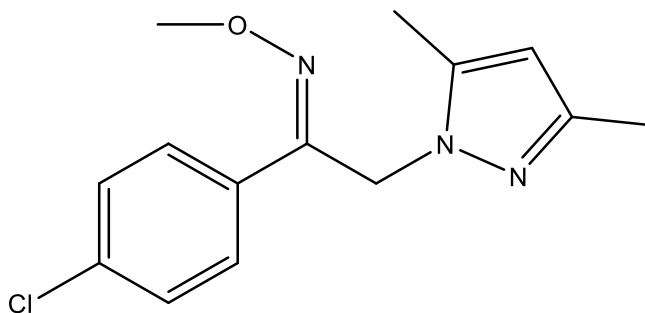
Data 46. ^1H -NMR spectrum of compound 4d



Data 47. ^{13}C -NMR spectrum of compound 4d

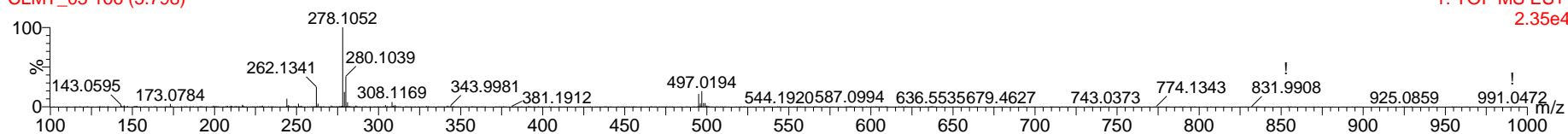


Data 48. Mass spectrum of compound 4d

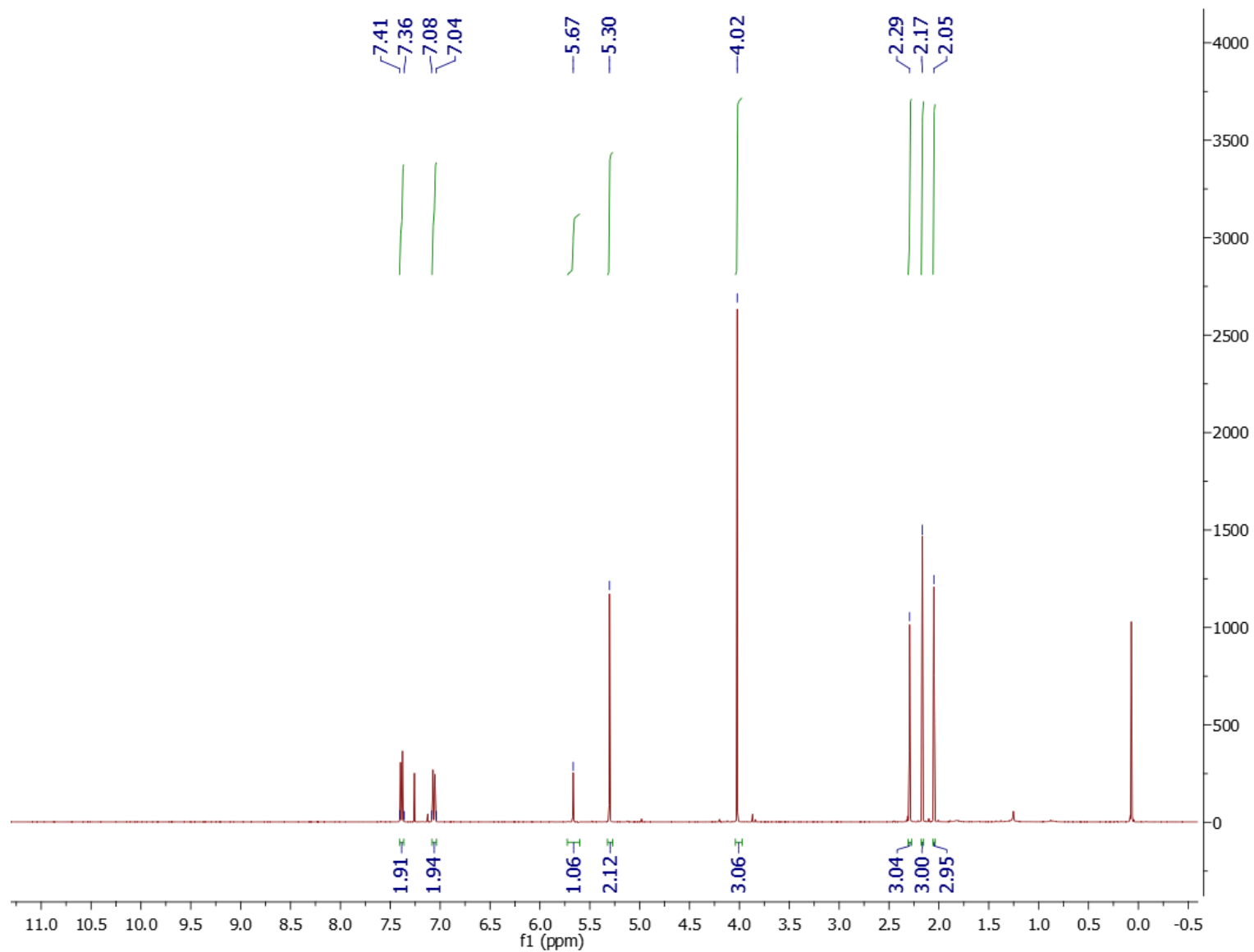


CLMT_03 166 (5.798)

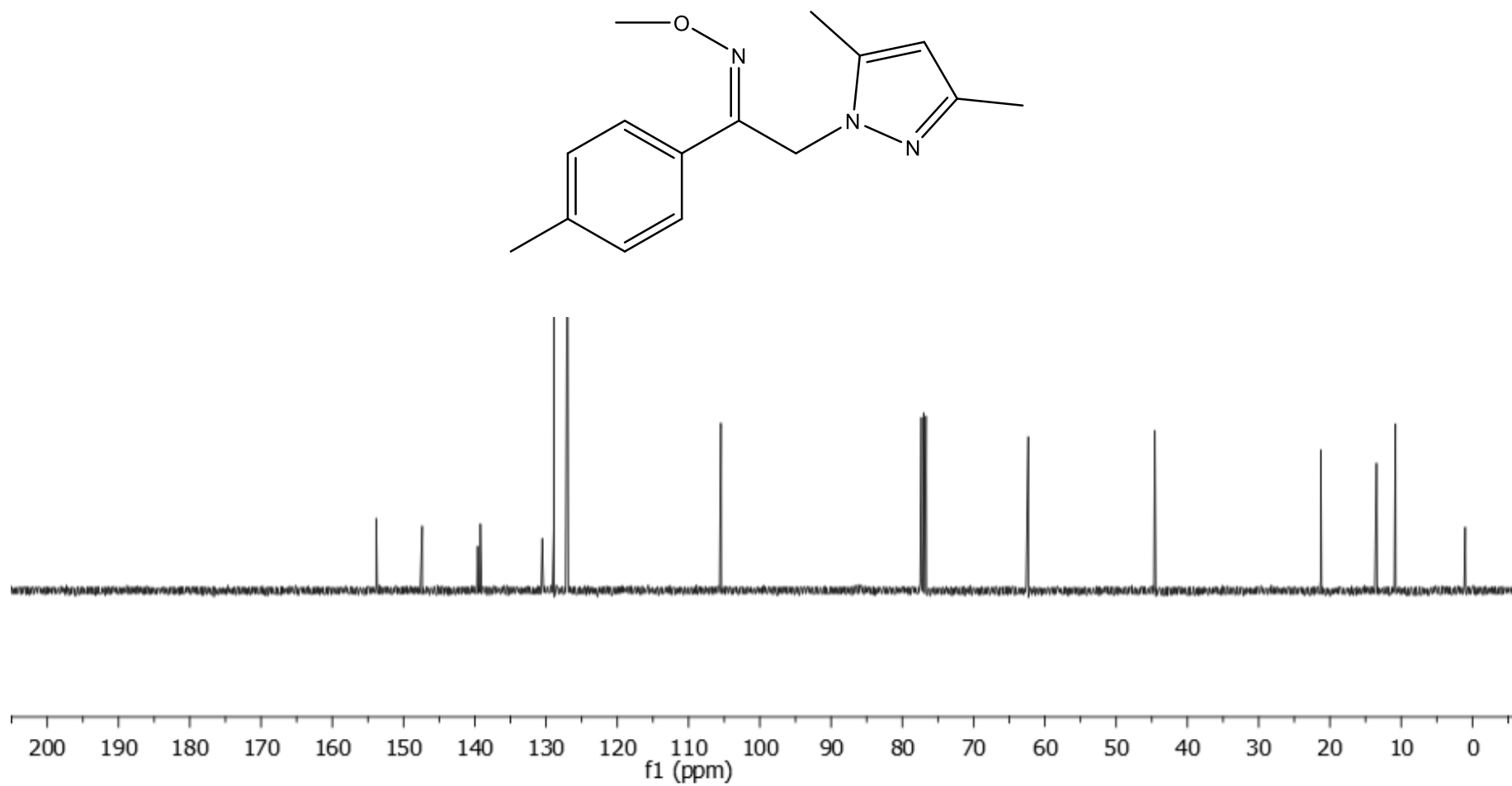
1: TOF MS ES+
2.35e4



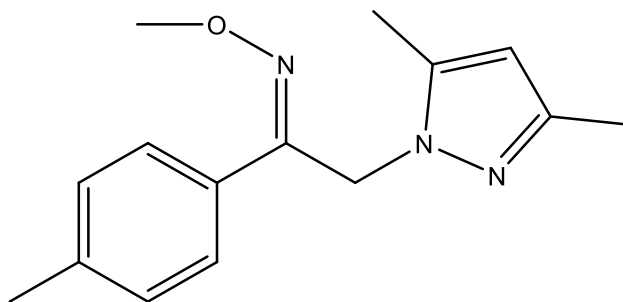
Data 49. ^1H -NMR spectrum of compound **4e**



Data 50. ^{13}C -NMR spectrum of compound **4e**

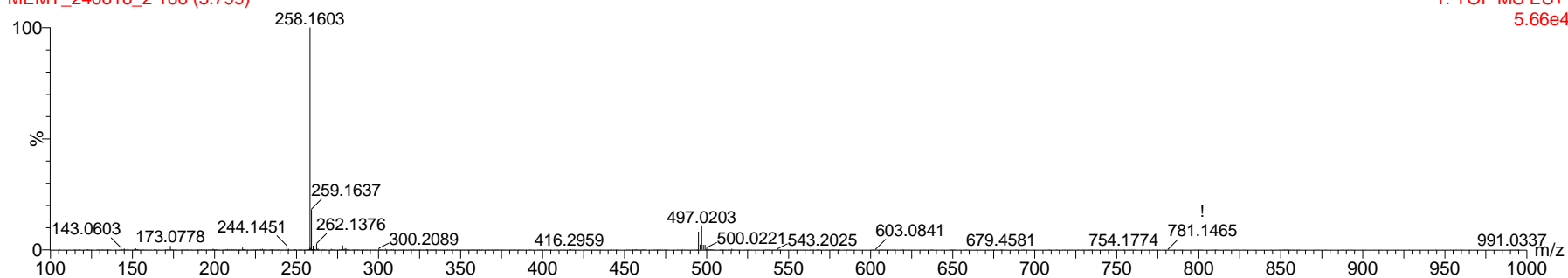


Data 51. Mass spectrum of compound 4e

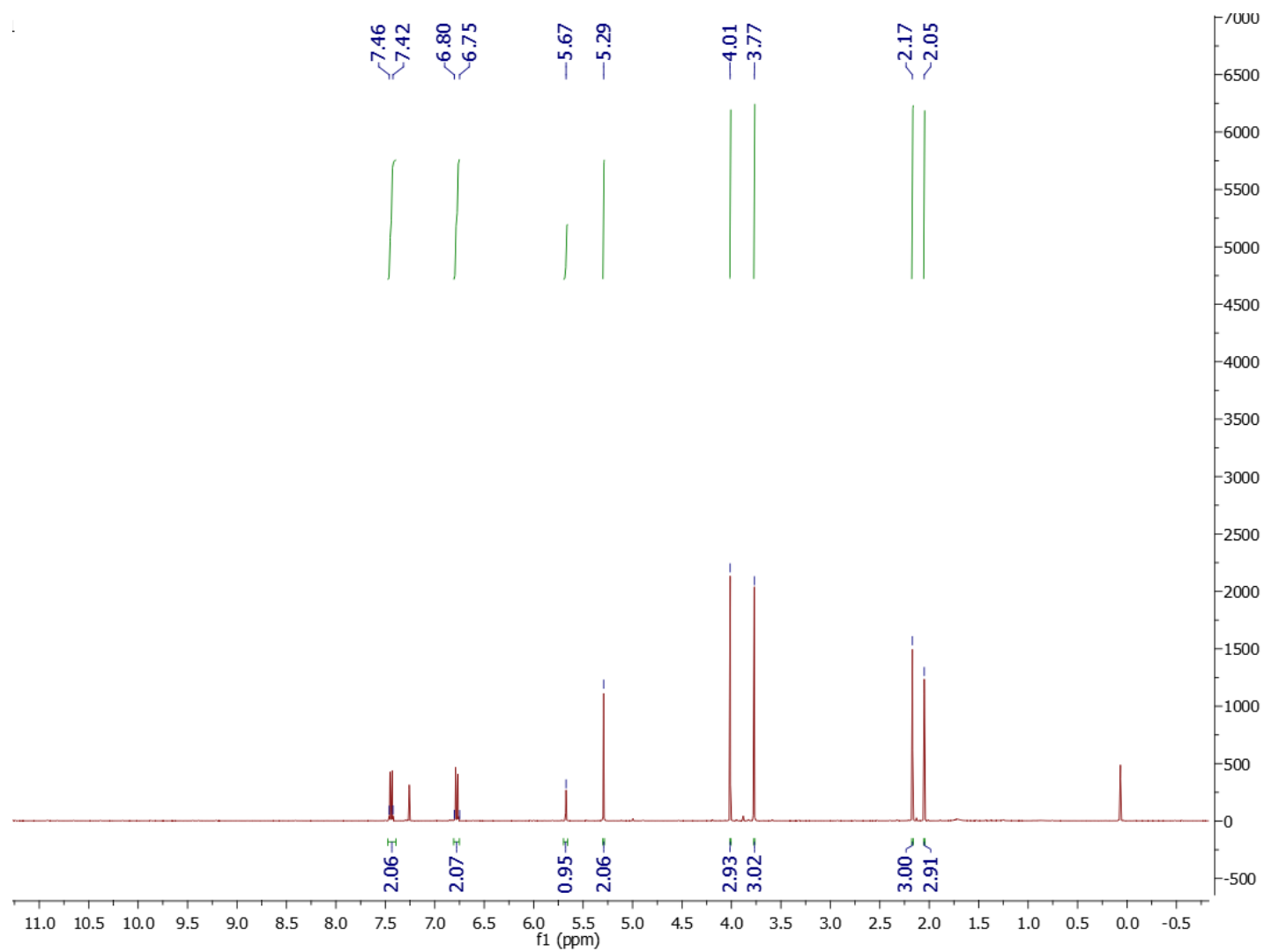


MEMT_240616_2 166 (5.799)

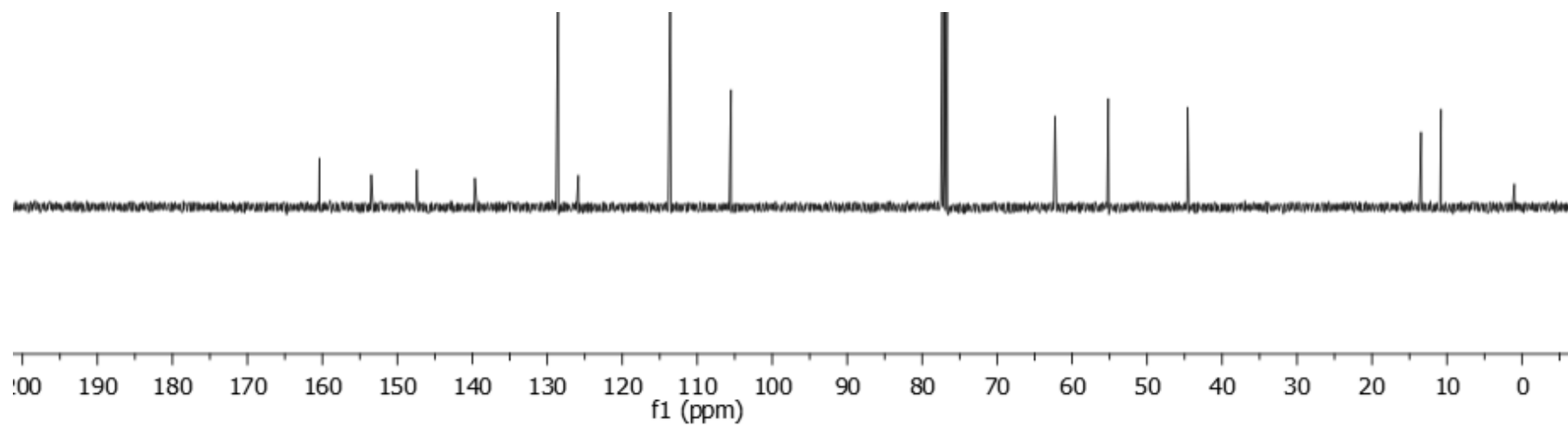
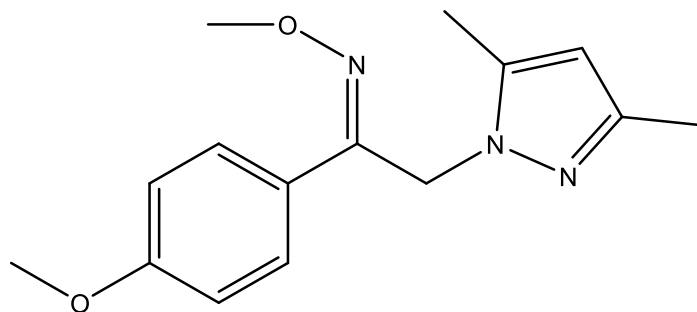
1: TOF MS ES+
5.66e4



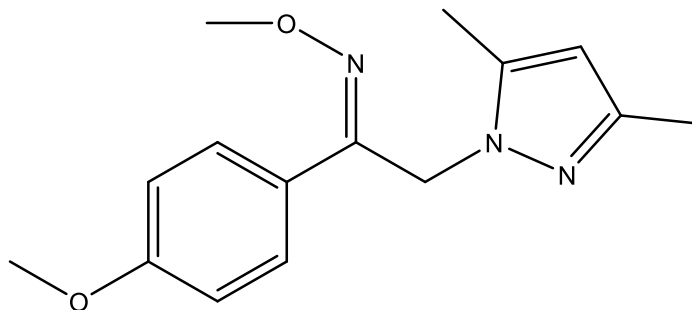
Data 52. ^1H -NMR spectrum of compound 4f



Data 53. ^{13}C -NMR spectrum of compound **4f**

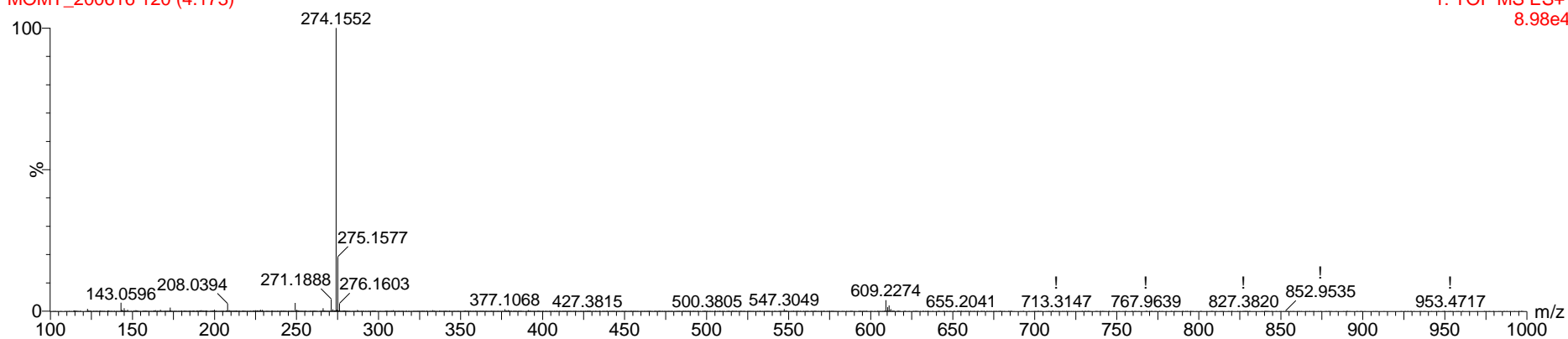


Data 54. Mass spectrum of compound 4f

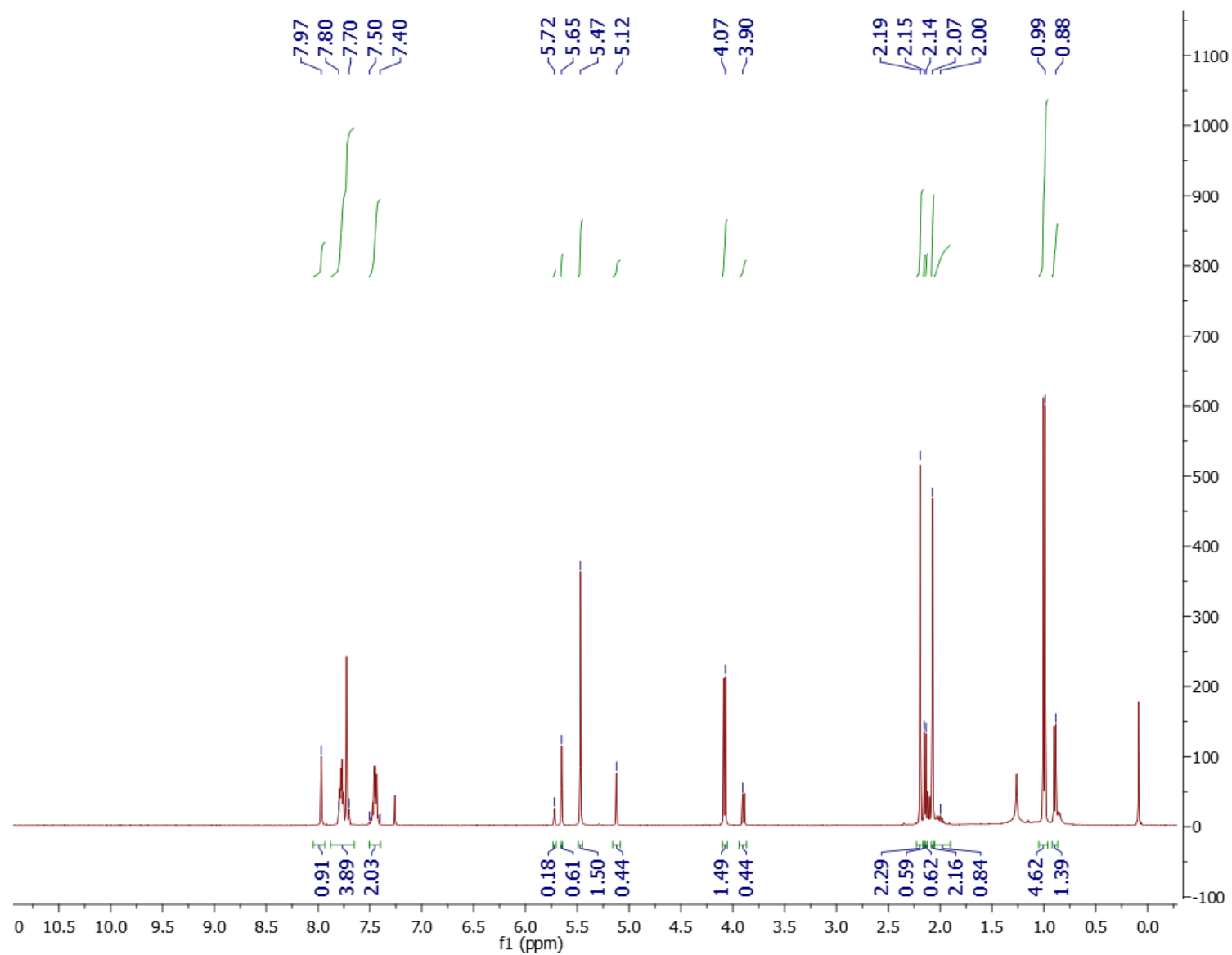


MOMT_200616 120 (4.173)

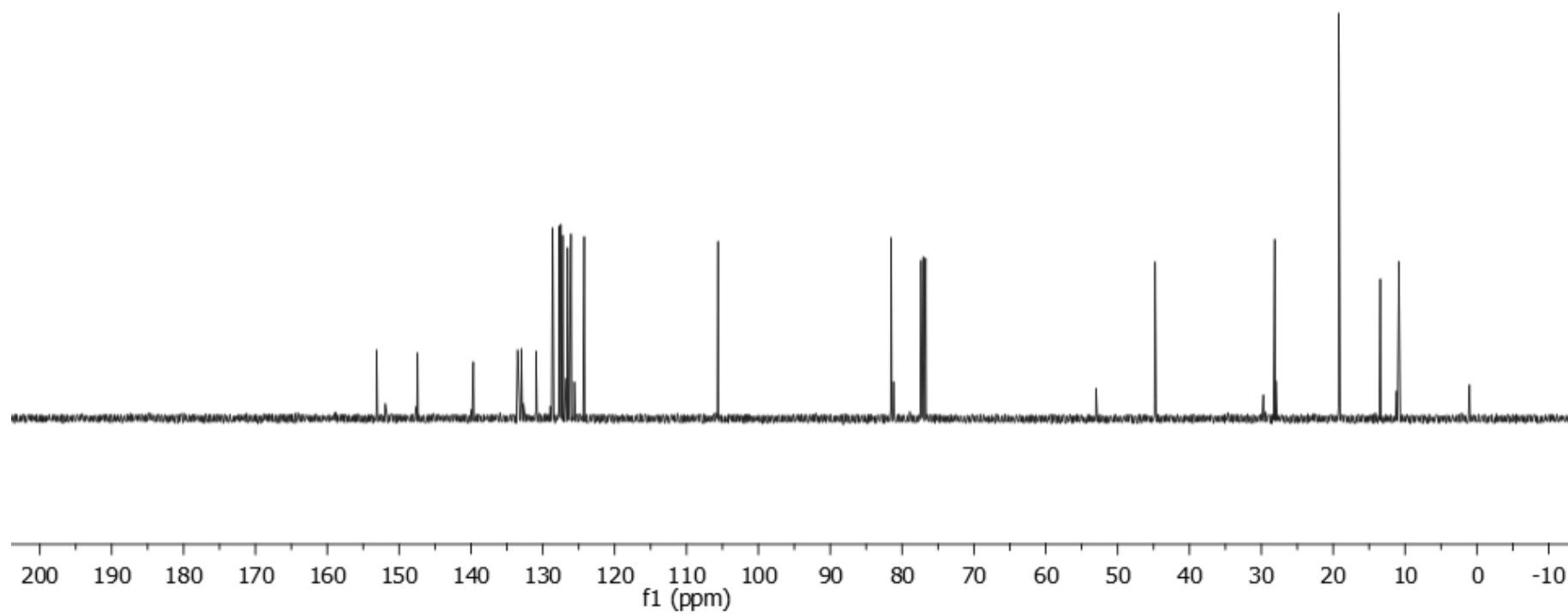
1: TOF MS ES+
8.98e4



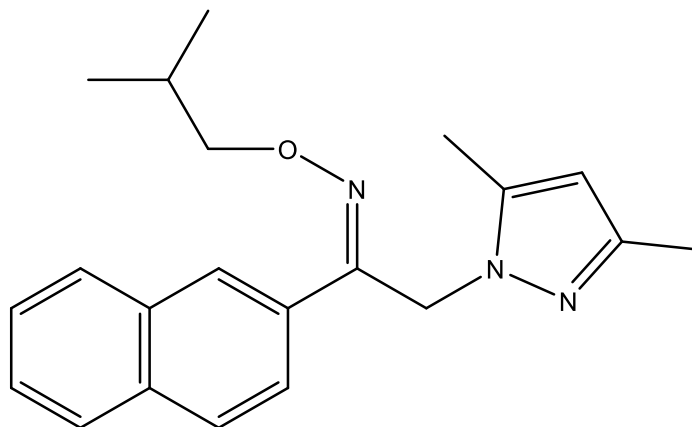
Data 55. ^1H -NMR spectrum of compound 5a



Data 56. ^{13}C -NMR spectrum of compound 5a

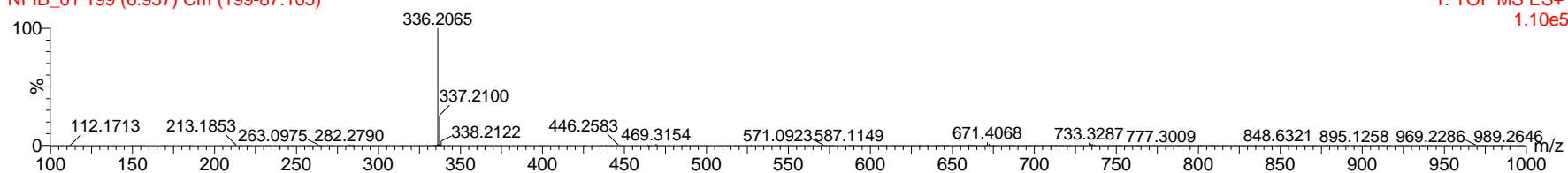


Data 57. Mass spectrum of compound 5a

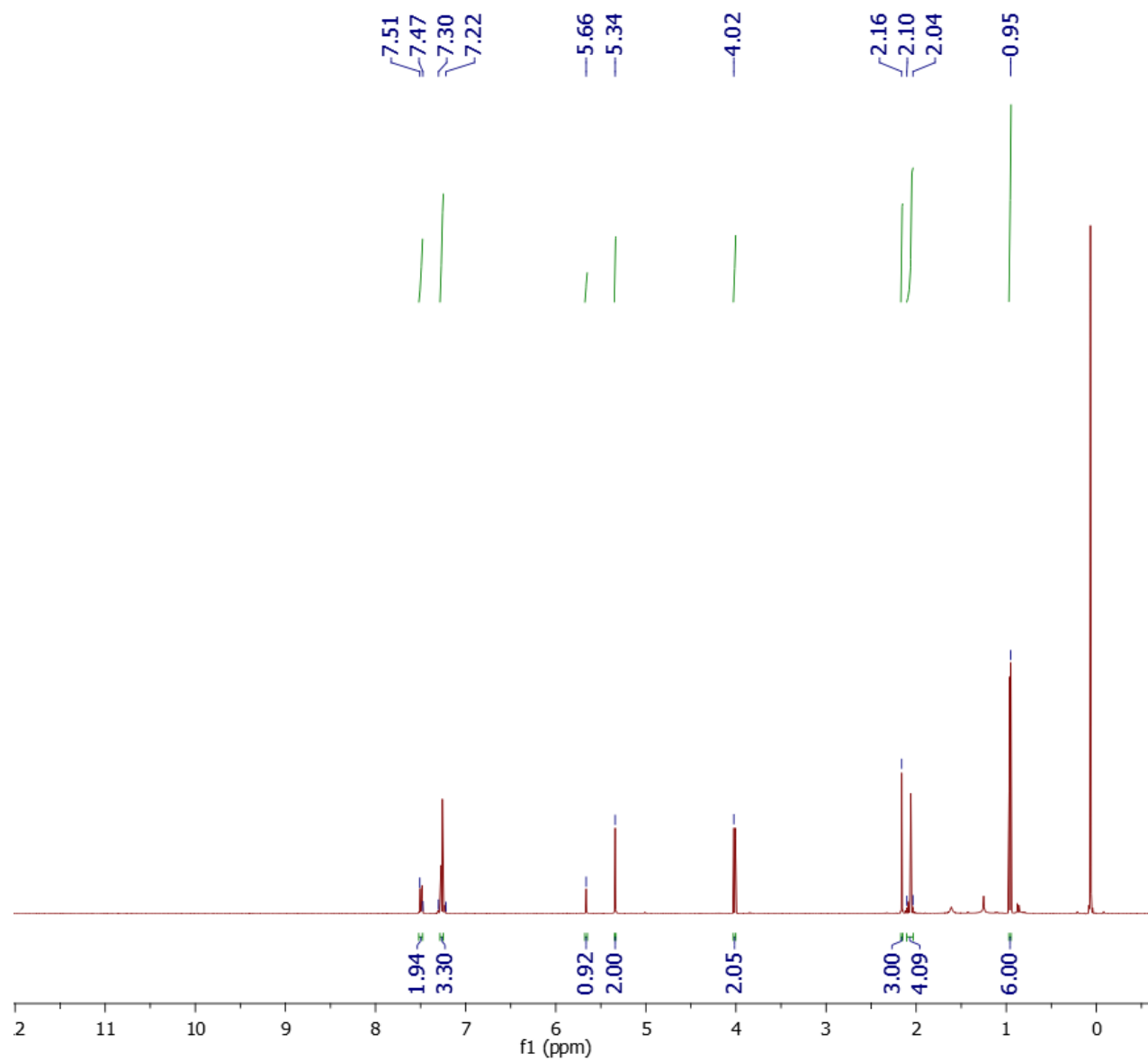


NFIB_01 199 (6.957) Cm (199-87:105)

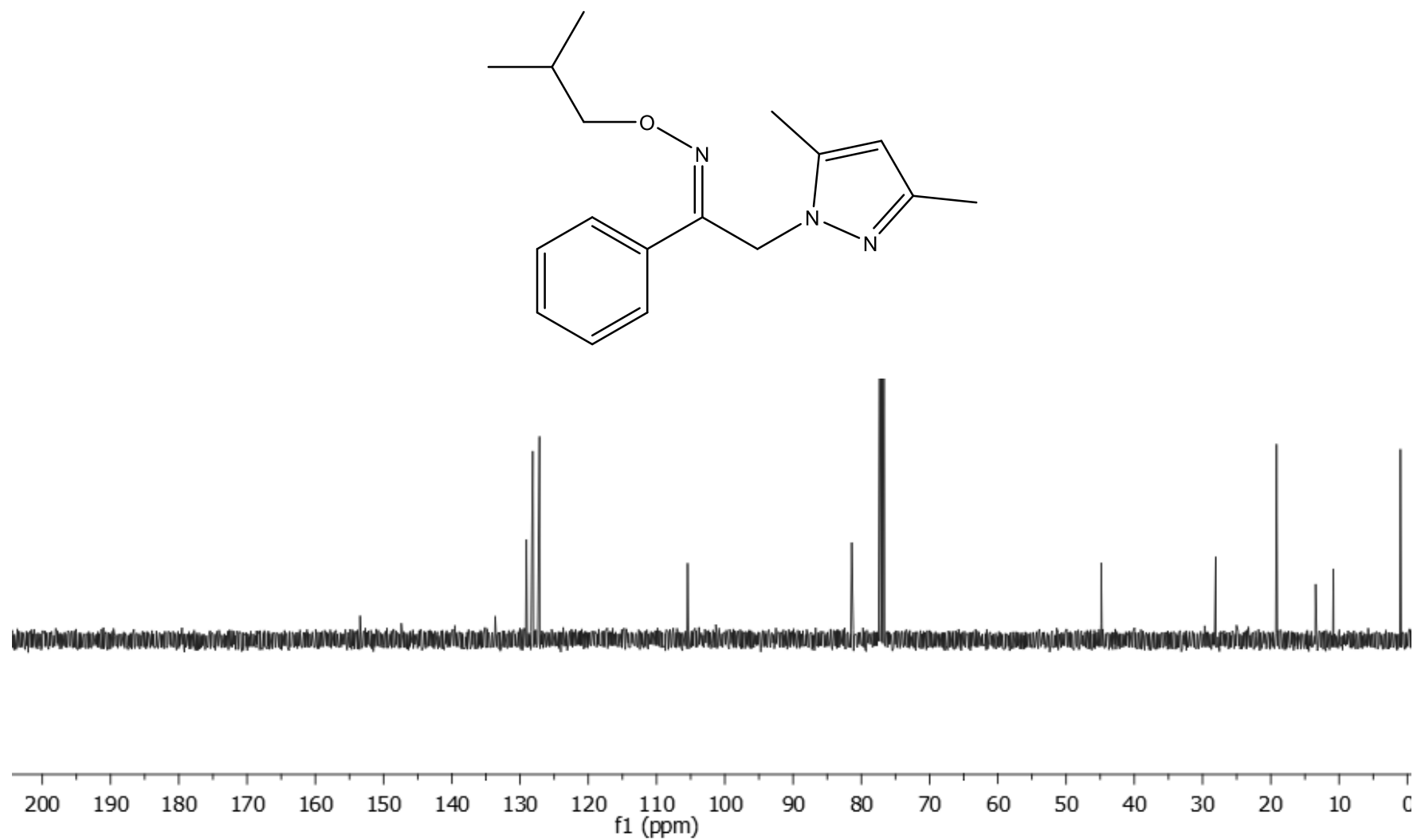
1: TOF MS ES+
1.10e5



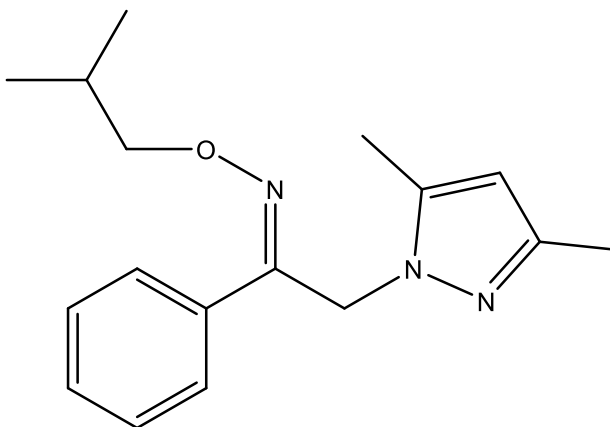
Data 58. ^1H -NMR spectrum of compound 5b



Data 59. ^{13}C -NMR spectrum of compound 5b

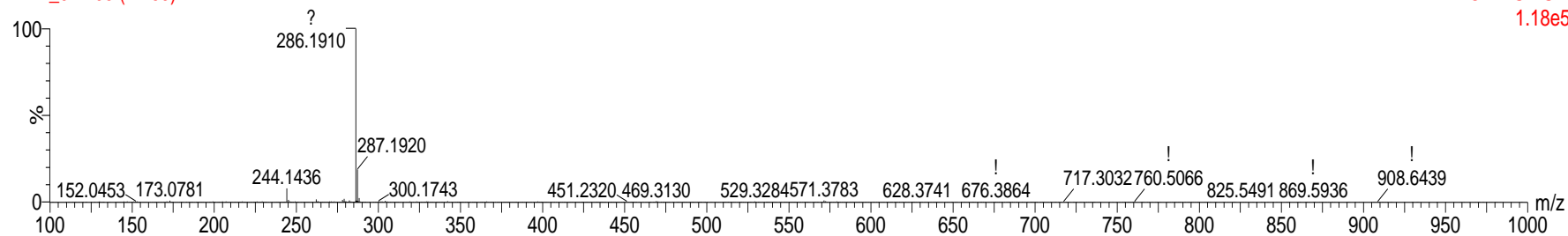


Data 60. Mass spectrum of compound 5b

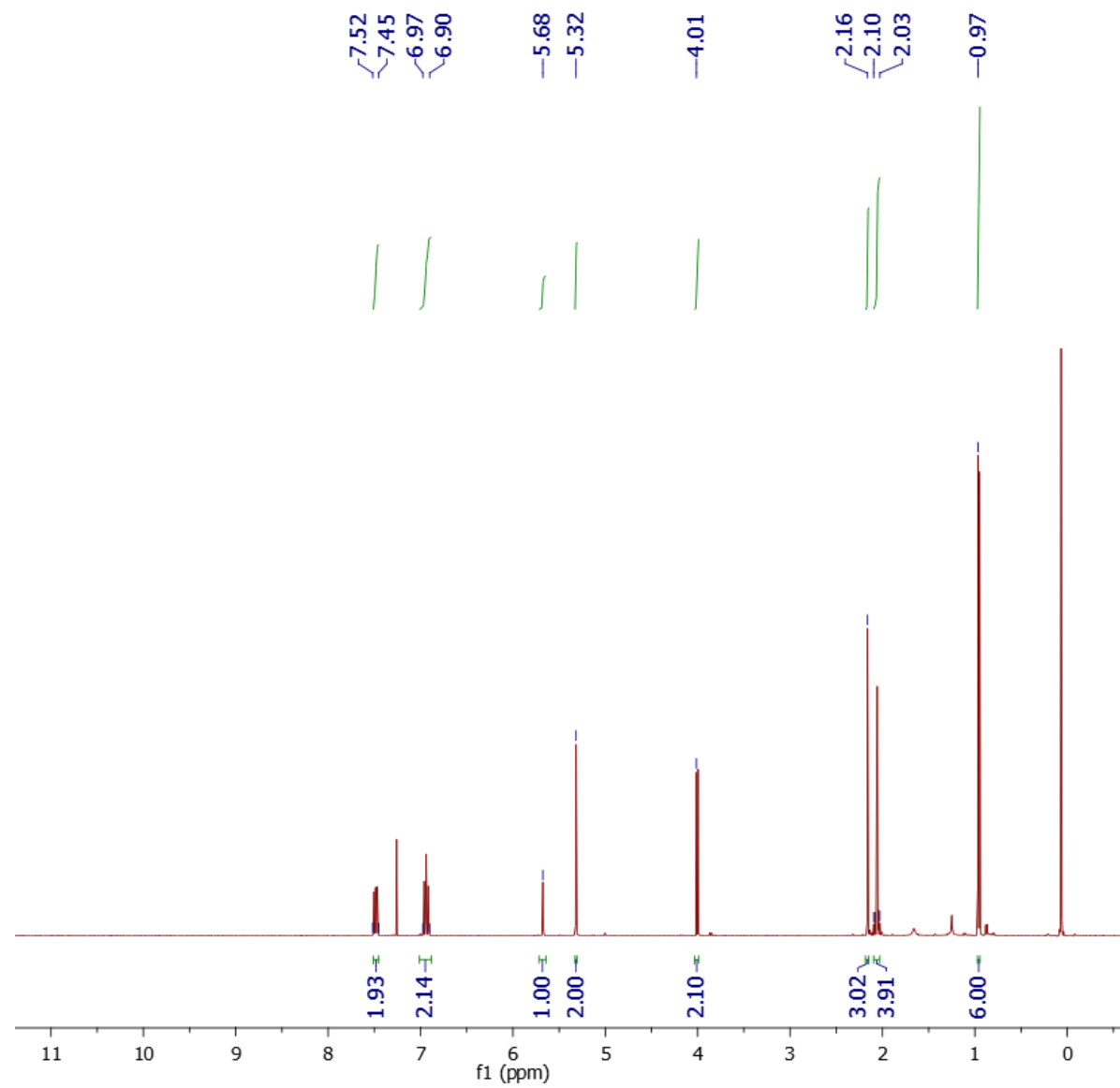


FNIB_02 205 (7.169)

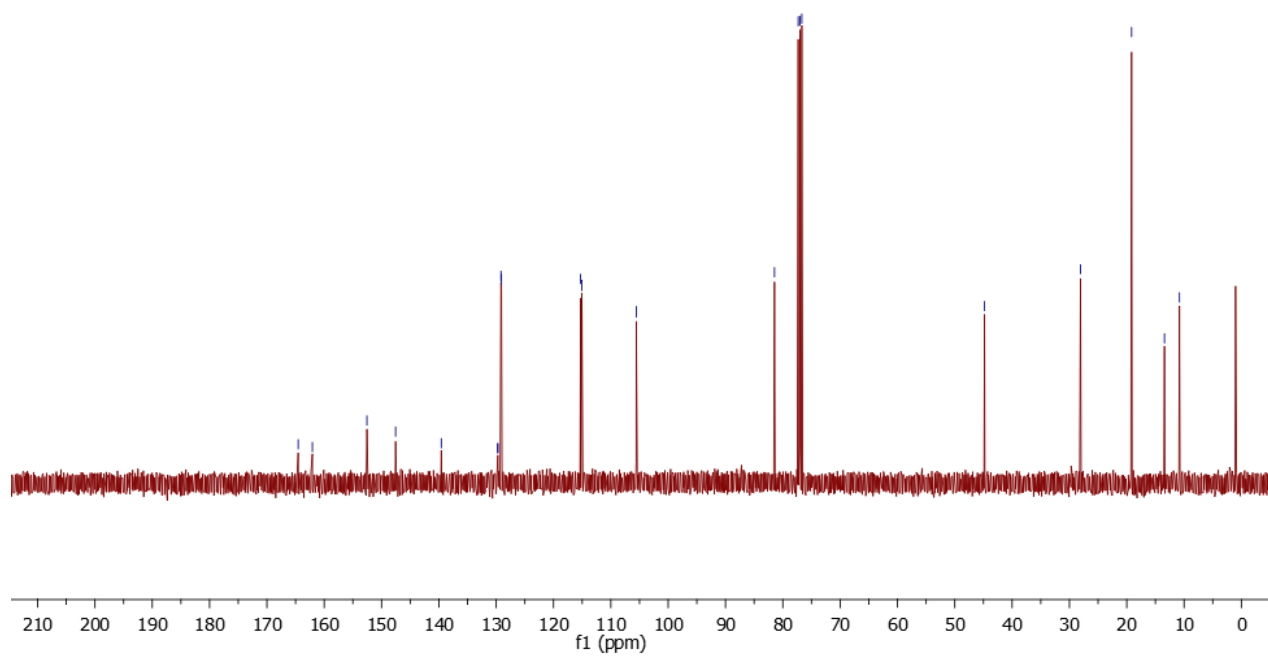
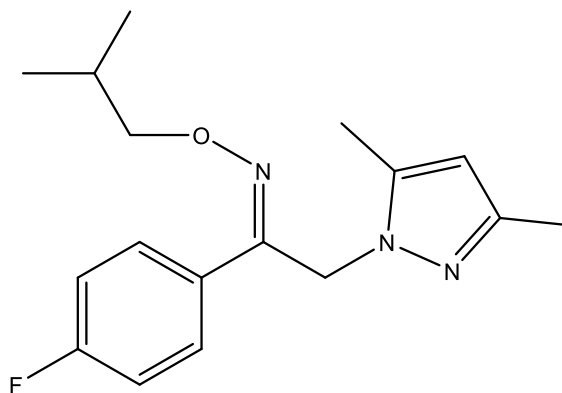
1: TOF MS ES+
1.18e5



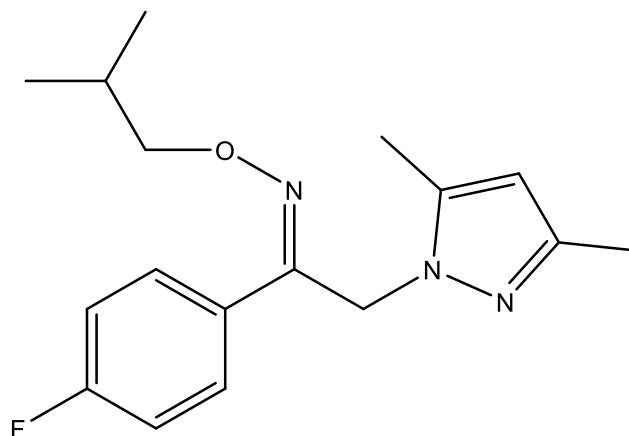
Data 61. ^1H -NMR spectrum of compound 5c



Data 62. ^{13}C -NMR spectrum of compound **5c**

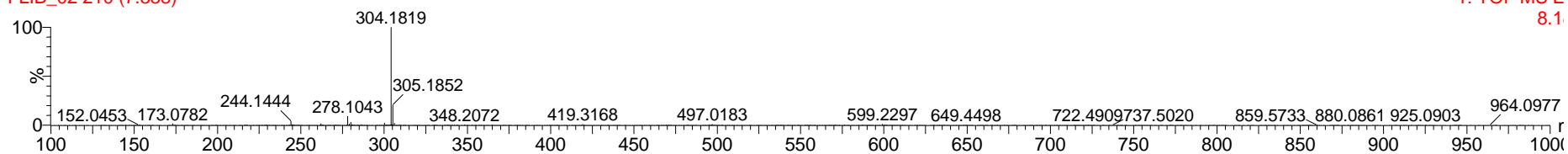


Data 63. Mass spectrum of compound 5c

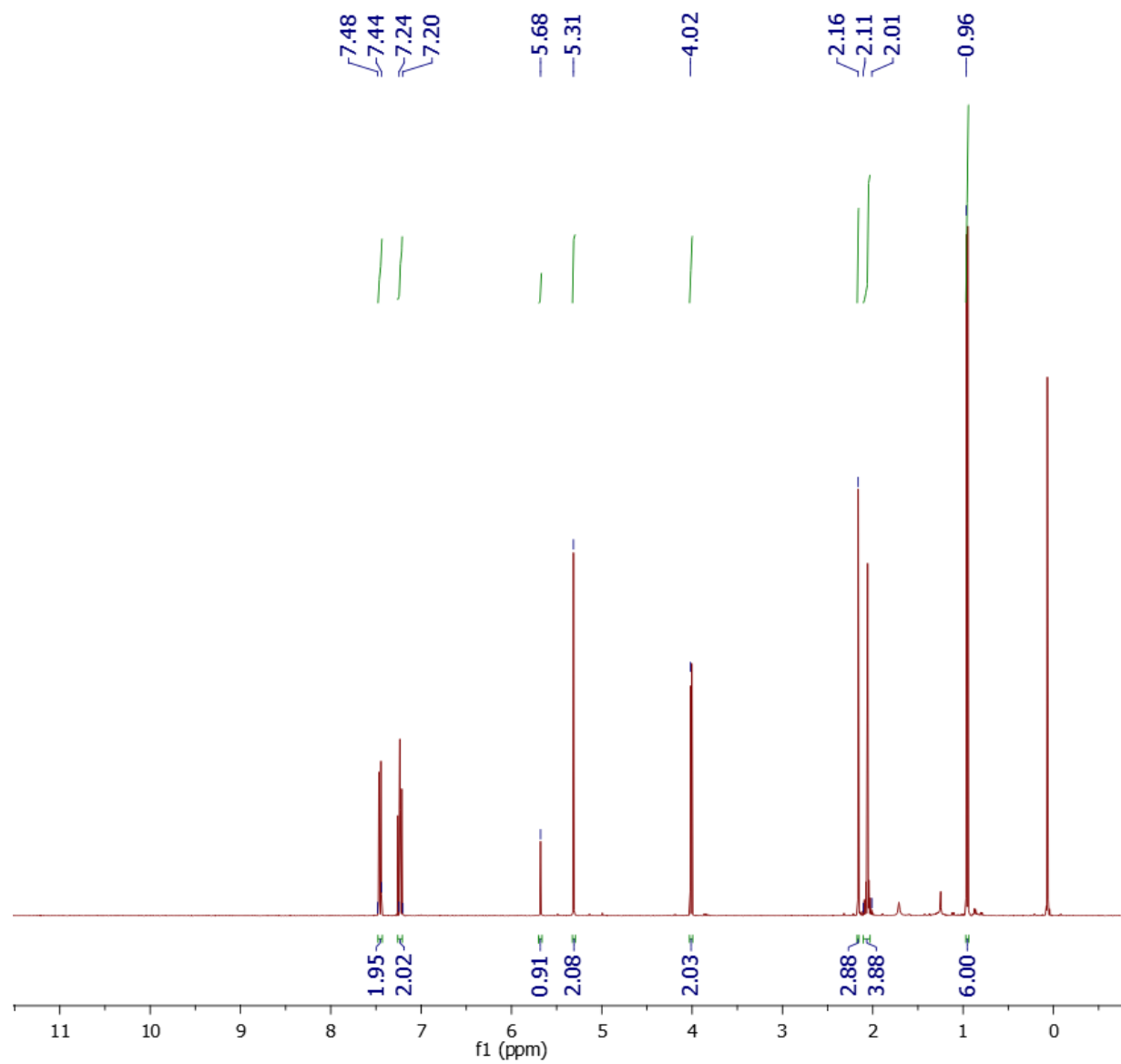


FLIB_02 210 (7.338)

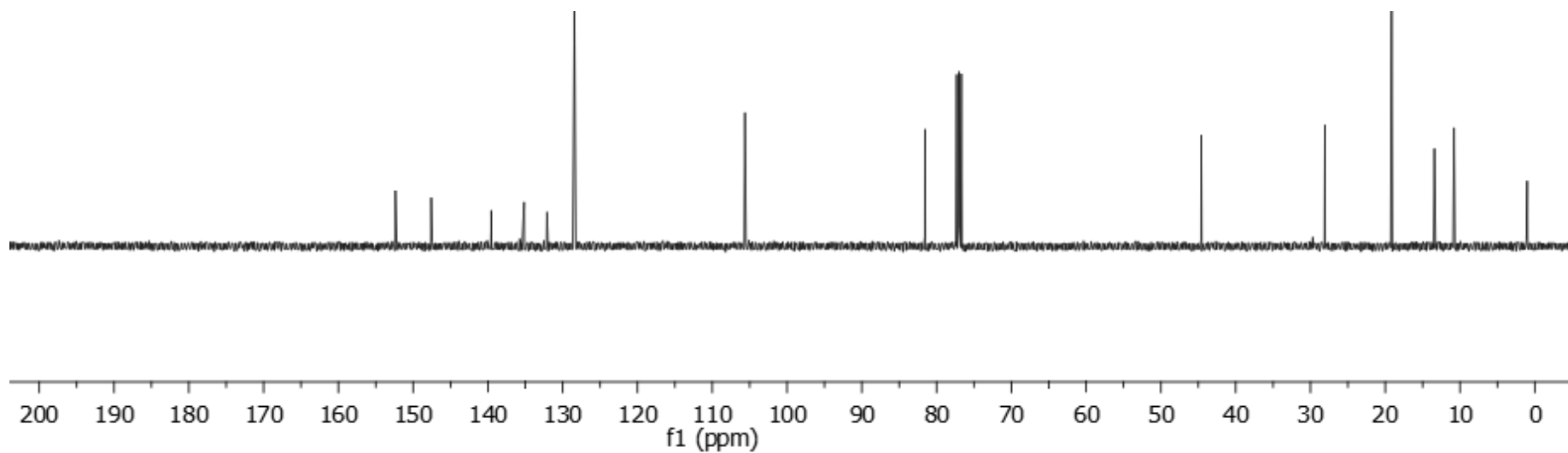
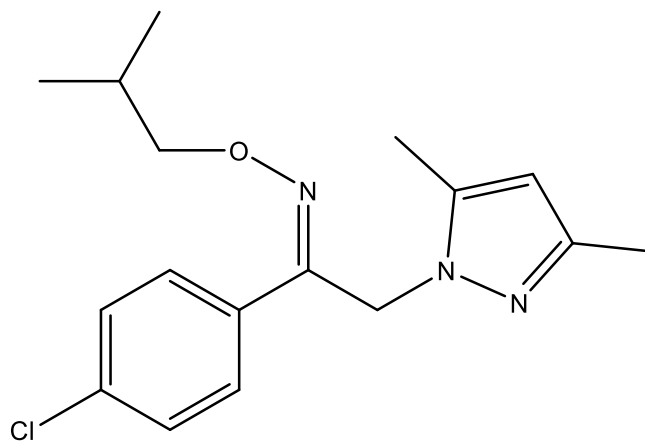
1: TOF MS E
8.1



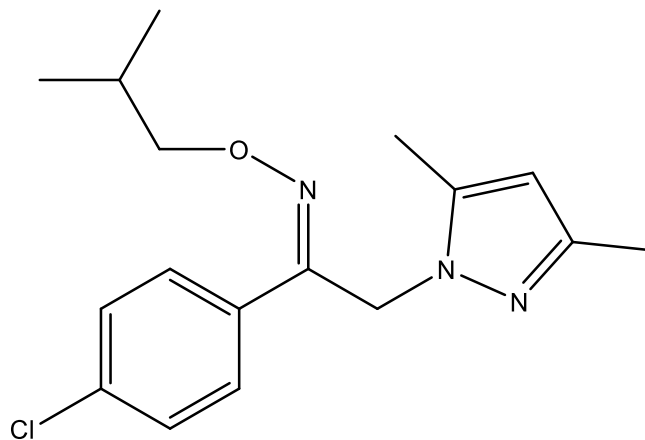
Data 64. ^1H -NMR spectrum of compound 5d



Data 65. ^{13}C -NMR spectrum of compound 5d

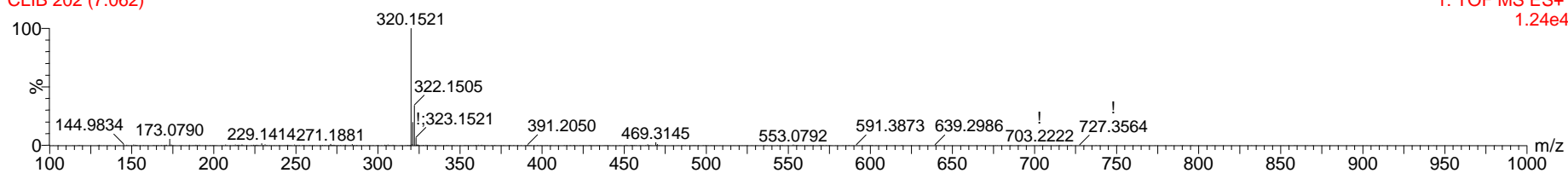


Data 66. Mass spectrum of compound 5d

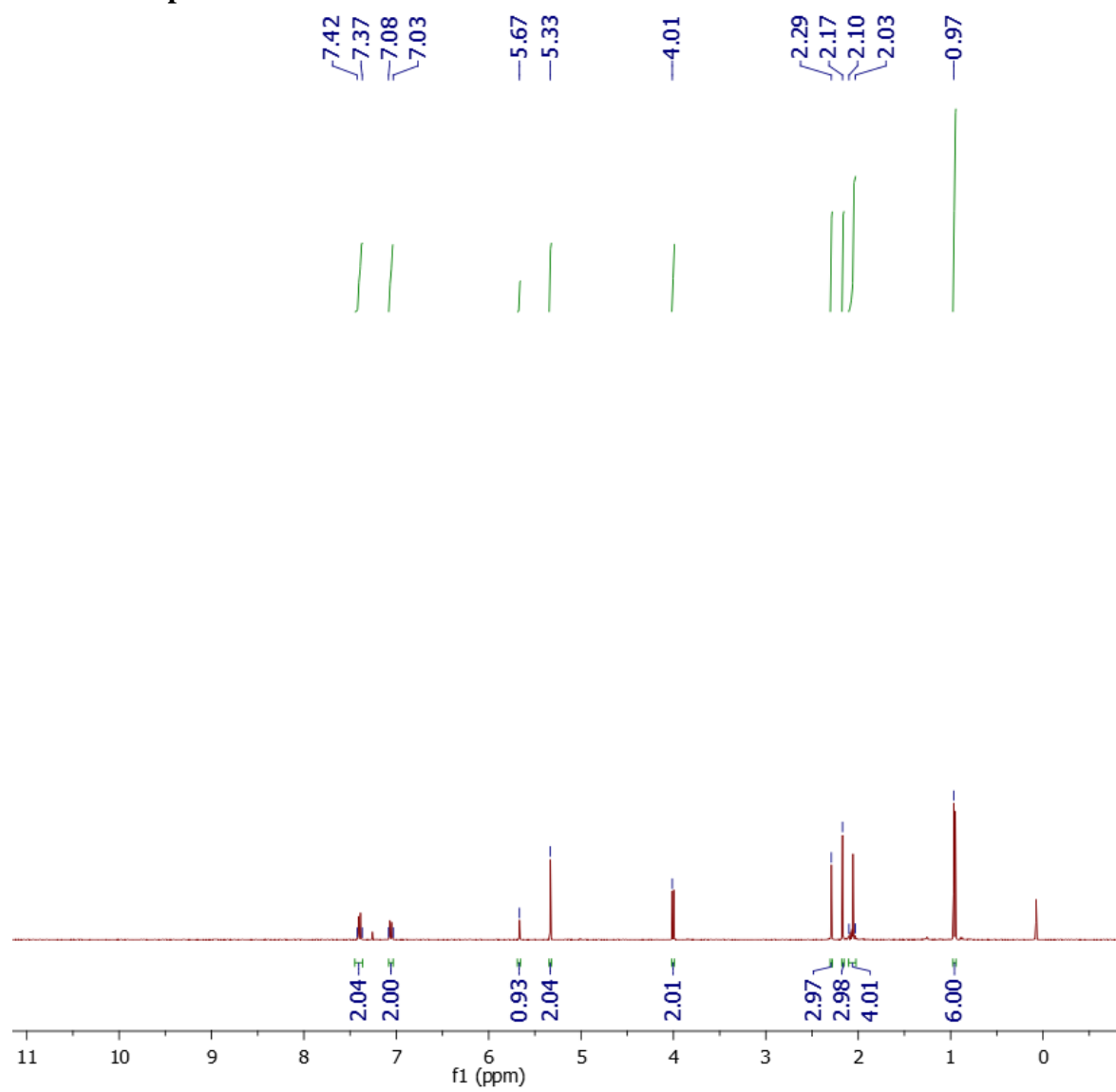


CLIB 202 (7.062)

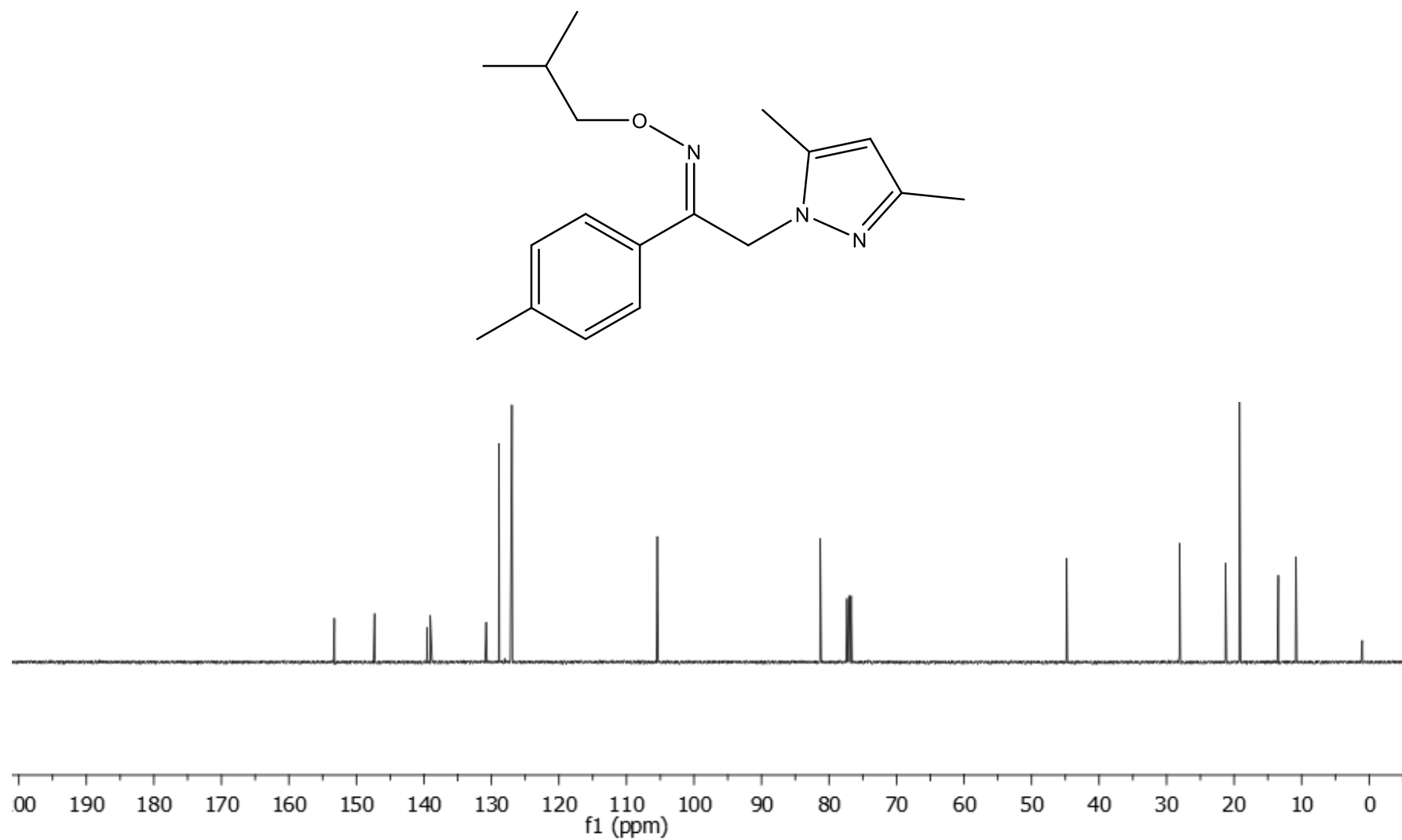
1: TOF MS ES+
1.24e4



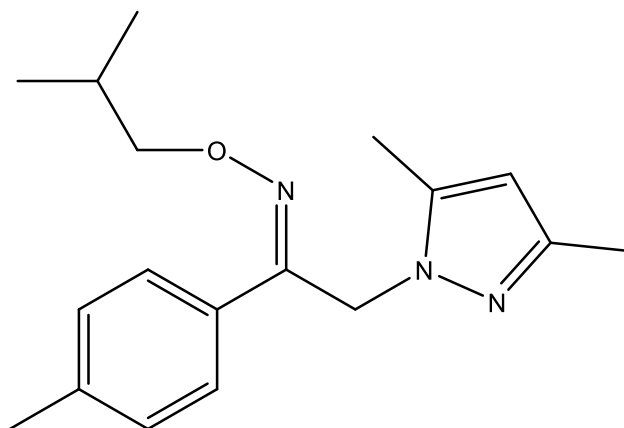
Data 67. ^1H -NMR spectrum of compound 5e



Data 68. ^{13}C -NMR spectrum of compound **5e**

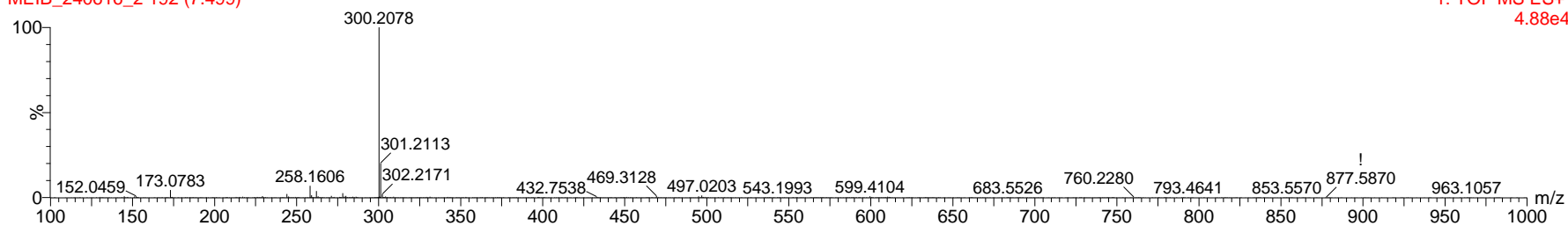


Data 69. Mass spectrum of compound 5e

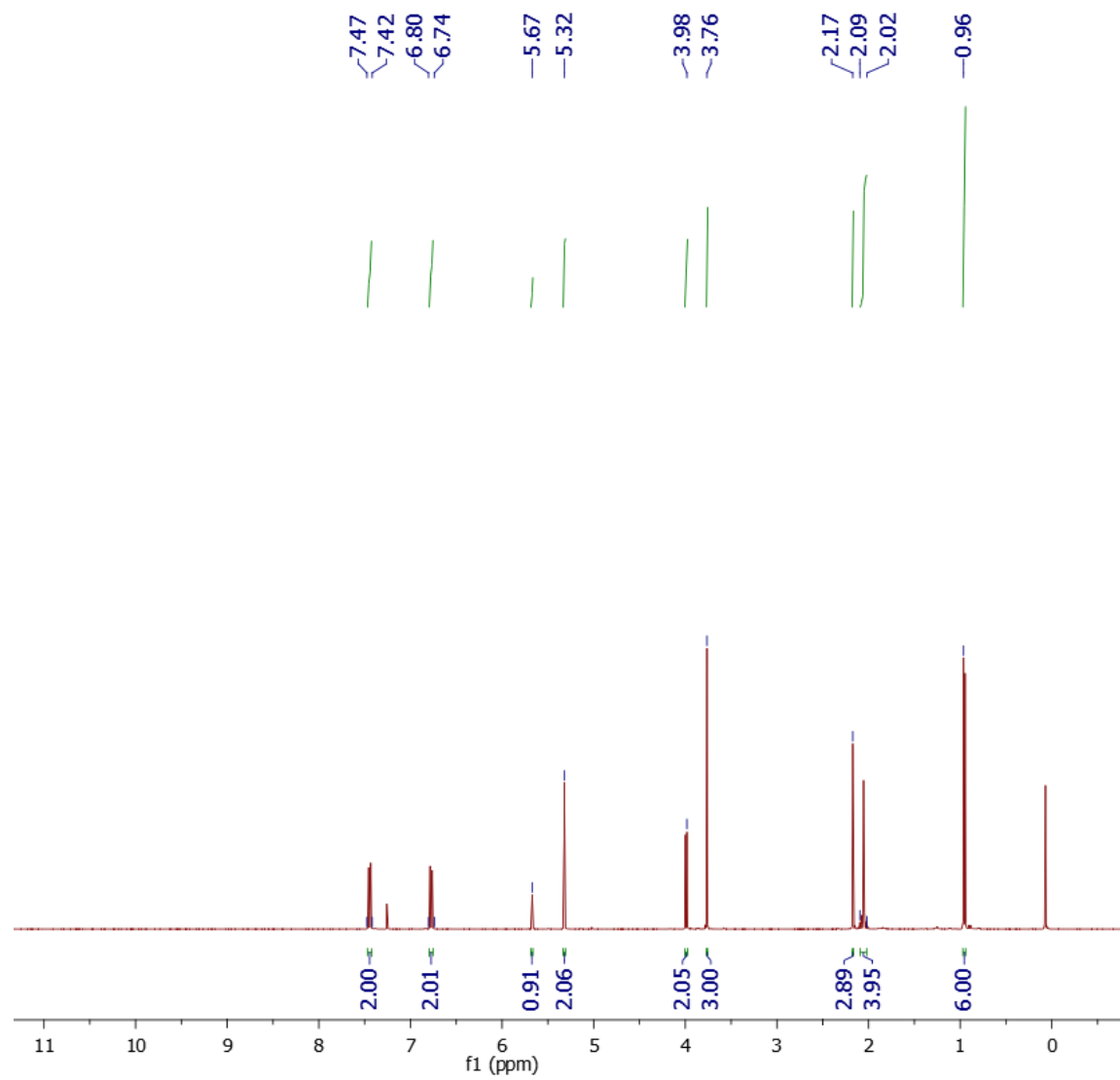


MEIB_240616_2 192 (7.499)

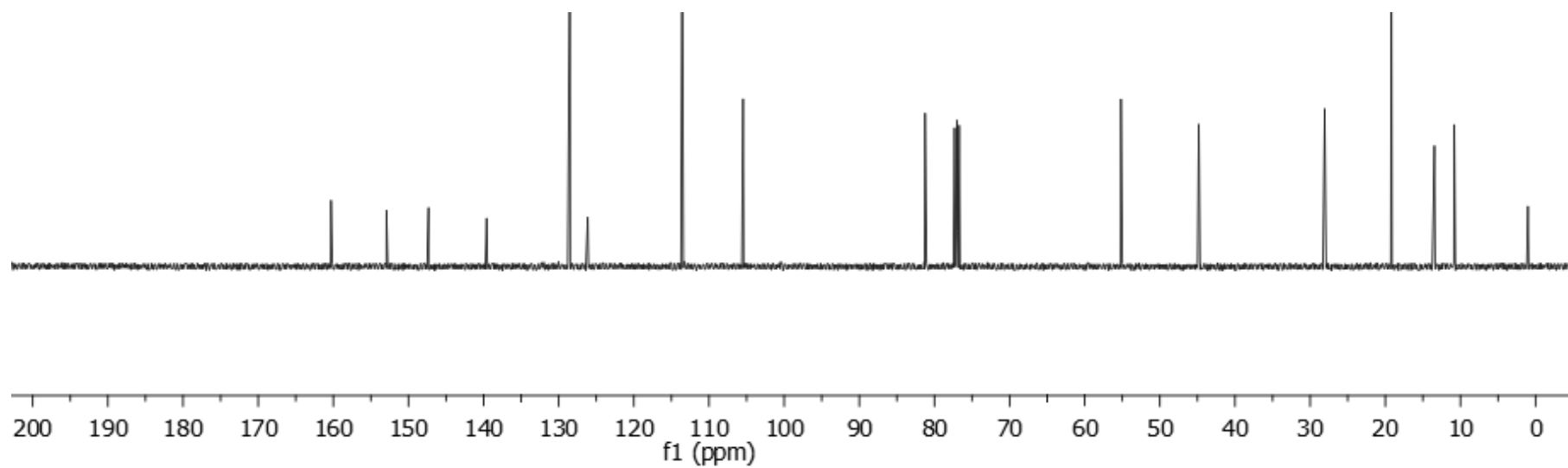
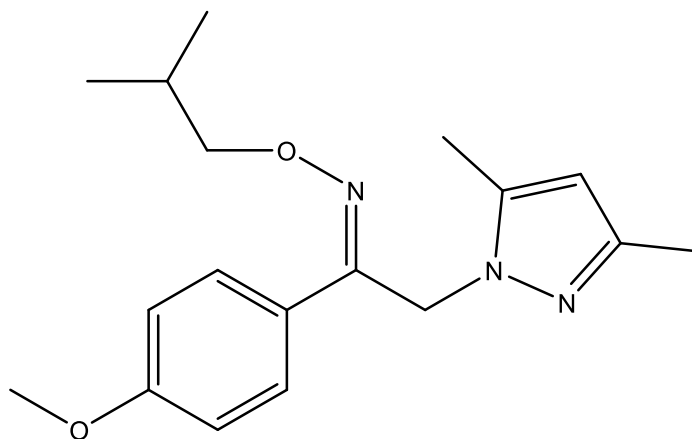
1: TOF MS ES+
4.88e4



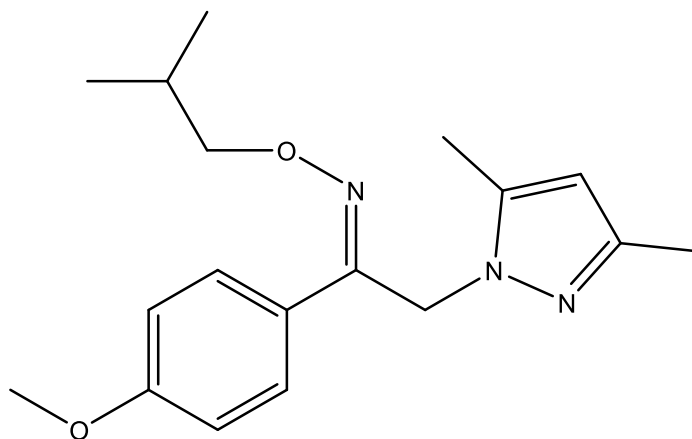
Data 70. ^1H -NMR spectrum of compound **5f**



Data 71. ^{13}C -NMR spectrum of compound 5f



Data 72. Mass spectrum of compound 5f



MOIB_200616_2 203 (7.094)

1: TOF MS |
1.0

